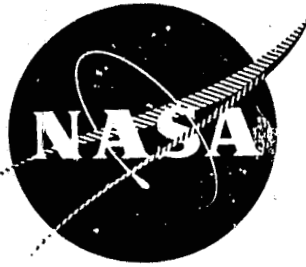


## N O T I C E

THIS DOCUMENT HAS BEEN REPRODUCED FROM  
MICROFICHE. ALTHOUGH IT IS RECOGNIZED THAT  
CERTAIN PORTIONS ARE ILLEGIBLE, IT IS BEING RELEASED  
IN THE INTEREST OF MAKING AVAILABLE AS MUCH  
INFORMATION AS POSSIBLE

NASA CR-135118

R77AEG229



**QUIET CLEAN SHORT-HAUL EXPERIMENTAL ENGINE  
(QCSEE)**

**Acoustic Performance of a 50.8-cm (20-inch) Diameter  
Variable-Pitch Fan and Inlet, Acoustic Data**

**Volume II**

by

K.R. Bilwakesh  
A. Clemons  
D.L. Stimpert

GENERAL ELECTRIC COMPANY

**NOVEMBER 1979**

Prepared For

**National Aeronautics and Space Admin**

(NASA-CR-135118) ACOUSTIC PERFORMANCE OF A  
50.8-cm (20-INCH) DIAMETER VARIABLE-PITCH  
FAN AND INLET. VOLUME 2: ACOUSTIC DATA  
Final Report (General Electric Co.) 495 p  
HC A21/MF A01

N80-29299

Unclas  
25922

CSCL 21E G3/07

NASA-Lewis Research Center

Contract NAS3-18021

1. Report No. NASA CR-135118		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle QUIET CLEAN SHORT-HAUL EXPERIMENTAL ENGINE (QCSEE) Acoustic Performance of a 50.8-cm (20-inch) Diameter Variable-Pitch Fan and Inlet, Acoustic Data, Volume II				5. Report Date November 1979	
				6. Performing Organization Code	
7. Author(s) K.R. Bilwakesh, A. Clemons, D.L. Stimpert				8. Performing Organization Report No. R77AEG229	
9. Performing Organization Name and Address General Electric Company Aircraft Engine Group 1 Neumann Way, Cincinnati, Ohio 45215				10. Work Unit No.	
				11. Contract or Grant No. NAS3-18021	
12. Sponsoring Agency Name and Address National Aeronautics and Space Administration Washington, D.C. 20546				13. Type of Report and Period Covered Contractor Report	
				14. Sponsoring Agency Code	
15. Supplementary Notes Final Report, Project Manager, C.C. Ciepluch, QCSEE Project Office Technical Adviser, D.A. Sagerser NASA Lewis Research Center, Cleveland, Ohio 44135					
16. Abstract  This is the second (see below) of a two-volume final report presenting the results from acoustic tests on a 50.8 cm (20 inch) QCSEE Under-the-Wing (UTW) engine, variable-pitch fan and inlet simulator. Tests were run in both forward and reverse thrust modes with a bellmouth inlet, five accelerating inlets (one hardwall and four treated), and four low Mach number inlets (one hardwall and three treated). In this volume, 1/3-octave-band acoustic data are presented for the model size on the measured 5.2-m (17.0-ft) arc and also data scaled to full QCSEE size 71:20 on a 152.4-m (500-ft) sideline.  Volume I Test Results and Analysis - NASA CR-135117 Volume II Acoustic Data - NASA CR-135118					
17. Key Words (Suggested by Author(s)) Acoustics Inlet Treatments Variable Pitch Fan Accelerating Inlet Acoustics Low Mach Number Inlet Acoustics					
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 496	22. Price

Available from the National Technical Information Service, Springfield, Virginia 22151

Table of Contents

	<u>Page</u>			
DISCUSSION	1			
ACOUSTIC DATA TABULATION	12			
<u>Run</u>	<u>Inlet Configuration</u>			
	<u>Thrust</u>			
	<u>Blade Angle</u>			
2	Baseline Bellmouth	Forward	0°	12
4	Accelerating Inlet, Hardwall	Forward	0°	44
5	Accelerating Inlet, Treatment B	Forward	0°	68
12	Baseline Bellmouth	Forward	+5°	92
14	Accelerating Inlet, Treatment B	Forward	+5°	126
19	Accelerating Inlet, Treatment B, Flight Lip	Forward	0°	162
26	Accelerating Inlet, Treatment B	Reverse	-100°	188
27	Accelerating Inlet, Hardwall	Reverse	-100°	202
28	Accelerating Inlet, Treatment B	Reverse	-100°	216
29	Accelerating Inlet, Treatment C	Reverse	-100°	230
30	Accelerating Inlet, Treatment D	Reverse	-100°	242
31	Accelerating Inlet, Hardwall	Reverse	-95°	256
32	Accelerating Inlet, Treatment D	Reverse	-95°	270
33	Accelerating Inlet, Treatment D	Reverse	-105°	284
34	Accelerating Inlet, Hardwall	Reverse	-105°	298
35	Accelerating Inlet, Treatment D	Forward	0°	312
36	Baseline Bellmouth	Forward	0°	336
39	Low Mach Inlet, Treatment A + Spool 3	Forward	0°	350
40	Low Mach Inlet, B + Spool 2	Forward	0°	366
41	Low Mach Inlet C + Spool 1	Forward	0°	382
42	Low Mach Inlet, Hardwall	Forward	0°	398
43	Low Mach Inlet + Spool 3	Reverse	-100°	414
44	Low Mach Inlet B + Spool 2	Reverse	-100°	442
45	Low Mach Inlet C + Spool 1	Reverse	-100°	456
46	Low Mach Inlet Hardwall	Reverse	-100°	470

LIST OF TABLES

<u>Table</u>		<u>Page</u>
I.	Accelerating Inlet Acoustic Treatment Designs	2
II.	Low Mach Inlet Acoustic Treatment Designs	3
III.	Tabulation of Acoustic Test Conditions	4
IV.	1/3-Octave Band Printout Nomenclature.	11

## DISCUSSION

This is the second of a two-volume final report presenting the results from acoustic tests on a 50.8 cm (20 inch) QCSEE Under-the-Wing (UTW) fan simulator. The tests were conducted at the General Electric Corporate Research and Development Center Anechoic Aero-Acoustic Facility. The details of test facility, test objectives, principal results, analysis and interpretation of data and conclusions therefrom are presented in Volume I of this report. This volume contains detailed tabulation of one-third octave band acoustic data. For each reading, model data on a 5.2 m (17 ft) and scaled data (scaled to full QCSEE fan size, 71:20) on a 152 m (500 ft) sideline are presented.

The design details of the accelerating inlet treatments are presented in Table I. Similar details are presented in Table II for the low Mach Inlet treatments. Table III contains a listing of all the runs. Table IV contains a description of symbols and abbreviations used in the one-third octave band acoustic data printout that follows.







Table III. Tabulation of Acoustic Test Conditions.

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number				
2	Baseline Bellmouth	Forward 0°	6	7.7	70					
			7	7.7	78					
			8	7.7	90					
			9	7.7	95					
			10	7.7	98					
			11	7.7	102					
			12	7.7	105					
			13	7.4	102					
			14	7.4	95					
			15	7.4	90					
			16	7.4	78					
			17	7.9	78					
			18	7.9	90					
			19	7.9	95					
20	7.9	100								
21	7.9	102								
4	Accelerating Inlet, Hard Wall	Forward 0°	5	7.75	70					
			6	7.75	78					
			7	7.75	90					
			8	7.75	93.5					
			9	7.75	96					
			10	7.75	98.5					
			11	7.75	99.5					
			12	7.75	100.5					
			13	7.75	101.5					
			14	7.75	103					
			15	7.75	99					
			16	7.7	97.1					
			5	Accelerating Inlet, Treatment B	Forward 0°		4	7.75	70	
							5	7.75	78	
6	7.75	90								
7	7.75	93.5								
8	7.75	96								
9	7.75	98.5								
10	7.75	99.5								
11	7.75	100.5								
12	7.75	101.5								
13	7.75	103								
14	7.75	99								
15	7.7	97.7								

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number			
12	Baseline Bellmouth	Forward +5°	4	7.40	83				
			5	7.78	90.5				
			6	7.65	91.5				
			7	7.5	92.5				
			8	7.9	95				
			9	7.65	95				
			10	7.4	95				
			11	7.78	98				
			12	7.4	98.5				
			13	7.78	105				
			14	7.4	105				
			15	7.4	110				
			16	7.78	110				
			17	7.9	100				
			18	7.5	100				
			19	7.9	80				
			20	7.78	80				
			13	Accelerating Inlet, Treatment B (Sound Separation Probe Run Only)	Forward +5°	4	7.78	90.5	1
						5	7.78	90.5	2
						6	7.78	90.5	3
7	7.78	90.5				4			
8	7.78	90.5				5			
9	7.4	110				1			
10	7.4	110				2			
11	7.4	110				3			
12	7.4	110				4			
13	7.4	110				5			
14	7.5	92.5				1			
15	7.5	92.5				2			
16	7.5	92.5				3			
17	7.5	92.5				4			
18	7.5	92.5				5			
19	7.78	98				1			
20	7.78	98				2			
21	7.78	98				3			
22	7.78	98				4			
23	7.78	98				5			

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
14	Accelerating Inlet, Treatment B	Forward +5°	4	7.4	83	
			5	7.78	90.5	
			6	7.65	91.5	
			7	7.5	92.5	
			8	7.9	95	
			9	7.65	95	
			10	7.4	95	
			11	7.78	98	
			12	7.4	98.5	
			13	7.78	105	
			14	7.4	105	
			15	7.4	110	
			16	7.4	110	
			17	7.78	110	
18	7.9	100				
19	7.5	100				
20	7.9	80				
21	7.78	80				
19	Accelerating Inlet, Treatment B, Flight Lip	Forward 0°	4	7.75	70	
			5	7.75	78	
			6	7.75	90	
			7	7.75	93.5	
			8	7.75	96	
			9	7.75	98.5	
			10	7.75	99	
			11	7.75	99.5	
			12	7.75	100.5	
			13	7.75	101.5	
14	7.75	103				
15	7.75	99				
16	7.75	78				
26	Accelerating Inlet, Treatment B	Reverse -100°	4	6.37	60	
			5	6.37	80	
			6	6.37	90	
			7	6.37	100	
			8	6.37	86	
			9	6.37	83	
10	6.37	75				

Table III. Tabulation of Acoustic Test Conditions. (Continued)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
27	Accelerating Inlet, Hard Wall	Reverse -100°	1	6.37	60	
			2	6.37	80	
			3	6.37	90	
			4	6.37	100	
			5	6.37	86	
			6	6.37	83	
			7	6.37	75	
28	Accelerating Inlet, Treatment A	Reverse -100°	1	6.37	83	
			2	6.37	86	
			3	6.37	90	
			4	6.37	100	
			5	6.37	80	
			6	6.37	75	
			7	6.37	60	
29	Accelerating Inlet, Treatment C	Reverse -100°	4	6.37	83	
			5	6.37	86	
			6	6.37	90	
			7	6.37	100	
			8	6.37	80	
30	Accelerating Inlet, Treatment D	Reverse -100°	1	6.37	83	
			2	6.37	86	
			3	6.37	90	
			4	6.37	100	
			5	6.37	80	
			6	6.37	75	
			7	6.37	60	
31	Accelerating Inlet, Hard Wall	Reverse -95°	4	6.37	100	
			5	6.37	90	
			6	6.37	85	
			7	6.37	80	
			8	6.37	75	
			9	6.37	70	
			10	6.37	60	

Table VII. Tabulation of Acoustic Test Conditions. (Continued),

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
32	Accelerating Inlet, Treatment D	Reverse -95°	1	6.37	75	
			2	6.37	80	
			3	6.37	85	
			4	6.37	90	
			5	6.37	100	
			6	6.37	70	
			7	6.37	60	
33	Accelerating Inlet, Treatment D	Reverse -105°	1	6.37	60	
			2	6.37	70	
			3	6.37	75	
			4	6.37	80	
			5	6.37	85	
			6	6.37	90	
			7	6.37	100	
34	Accelerating Inlet, Hard Wall	Reverse -105°	4	6.37	60	
			5	6.37	70	
			6	6.37	75	
			7	6.37	80	
			8	6.37	85	
			9	6.37	90	
35	Accelerating Inlet, Treatment D	Forward 0°	1	7.75	70	
			2	7.75	78	
			3	7.75	90	
			4	7.75	93.5	
			5	7.75	96	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	100.5	
			9	7.75	101.5	
			10	7.75	103	
			11	7.75	99	
			12	7.7	97.1	
36	Baseline Bellmouth (Rerun)	Forward 0°	4	7.7	70	
			5	7.7	78	
			6	7.7	90	
			7	7.7	95	
			8	7.7	98	
			10	7.7	102	
11	7.7	105				

Table III. Tabulation of Acoustic Test Conditions. (Continued),

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number
39	Low Mach Inlet, Treatment A	Forward 0°	4	7.75	60	
			5	7.75	70	
			6	7.75	80	
			7	7.75	90	
			8	7.75	95	
			9	7.75	98.5	
			10	7.75	99.5	
40	Low Mach Inlet B	Forward 0°	4	7.75	60	
			5	7.75	70	
			6	7.75	80	
			7	7.75	90	
			8	7.75	95	
			9	7.75	98.5	
			10	7.75	99.5	
41	Low Mach Inlet C	Forward 0°	1	7.75	60	
			2	7.75	70	
			3	7.75	80	
			4	7.75	90	
			5	7.75	95	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	103	
42	Low Mach Inlet Hard wall	Forward 0°	1	7.75	60	
			2	7.75	70	
			3	7.75	80	
			4	7.75	90	
			5	7.75	95	
			6	7.75	98.5	
			7	7.75	99.5	
			8	7.75	103	

Table III. Tabulation of Acoustic Test Conditions. (Concluded)

Run	Configuration	Thrust Mode and Blade Angle	Reading	Discharge Valve	Percent Speed	Immersion Number			
43	Low Mach Inlet A	Reverse 100°	4	6.37	60				
			5	6.37	75				
			6	6.37	80				
			7	6.37	83				
			8	6.37	86				
			9	6.37	90				
			10	6.37	100				
			11	0.53	100				
			12	0.53	90				
			13	0.53	86				
			14	0.53	83				
			15	0.53	80				
			16	0.53	75				
			17	0.53	60				
44	Low Mach Inlet B	Reverse 100°	4	6.37	60				
			5	6.37	75				
			6	6.37	80				
			7	6.37	83				
			8*	6.37	83				
			9	6.37	86				
			10	6.37	90				
			11	6.37	100				
			*No acoustic data.						
			45	Low Mach Inlet C	Reverse -100°	1	6.37	60	
						2	6.37	75	
3	6.37	80							
4	6.37	83							
5	6.37	86							
6	6.37	90							
7	6.37	100							
46	Low Mach Inlet, Hard Wall	Reverse -100°	1	6.37	60				
			2	6.37	75				
			3	6.37	80				
			4	6.37	83				
			5	6.37	86				
			6	6.37	90				
			7	6.37	100				
			8	0.54	100				
			9	0.54	90				
			10	0.54	80				
			11	0.54	60				

Table IV. 1/3 Octave Band Printout Nomenclature.

<u>Symbol or Abbreviation</u>	<u>Definition</u>	<u>Units</u>
BAR	Barometric pressure	(N/m <sup>2</sup> ) in. Hg
CONFIG	Configuration	
DATE	Test Date	
HACT	Absolute humidity	g/m <sup>3</sup>
LOC	Location of test	
NFA	Physical model fan speed	(rad/sec) rpm
NFD	Model design fan speed	(rad/sec) rpm
NFK	Corrected model fan speed	(rad/sec) rpm
OVERALL CALCULATED	Overall sound pressure level	dB
PNdB	Perceived noise level	PNdB
PWL	Sound power level re 10 <sup>-13</sup> watts	dB
RADIAL	Arc distance	(m) ft
RUN	Schenectady run number/reading number	
SIDELINE	Sideline distance	(m) ft
TAMB	Dry bulb temperature	(°K) ° F
TWET	Wet bulb temperature	(°K) ° F
VEHICLE	Test vehicle	



## Run 2/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PMUC DATE - MONTH OF DAY 0 HR 0.5

MODEL SOUND PRESSURE LEVELS (dB, DEG, F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD	ANGLE FROM INLET IN DEGREES (AND RADIAN)															PWL		
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.		0.	0.
50	65.1	66.3	66.5	66.3	66.1	65.1	65.6	66.6	66.8	67.3	72.1	73.0						112.0
63	70.0	69.0	70.3	72.3	73.8	72.3	70.0	69.0	72.0	72.5	73.3	70.0						113.2
RADIAL 17. FT. ( 3. M)	60	62.1	63.1	66.9	63.1	63.1	67.1	71.0	73.4	73.1	73.1	75.9						116.3
VEHICLE MAGIM	100	59.9	70.1	67.8	69.7	65.1	66.1	68.4	70.4	71.1	71.1	74.9						114.3
CHIMNEY	120	79.2	79.2	77.4	73.4	76.9	75.2	73.4	74.9	73.9	71.9	75.4						118.7
LOC. HOME/STADY	160	73.1	77.1	76.4	77.1	78.1	76.6	74.9	74.4	72.6	70.6	74.9						115.4
DATE 5-34-79	200	79.5	81.3	81.7	79.3	78.5	78.5	70.0	78.5	70.7	74.0	77.0						111.0
RUN 276	250	87.0	86.3	85.7	84.2	83.0	81.7	80.7	80.8	80.7	79.7	81.0						119.3
TEMP 47.5	310	87.3	83.0	87.2	86.7	85.7	82.5	81.5	80.0	74.2	77.5	84.2						119.1
WIND 400001	400	85.4	85.6	85.1	83.7	82.6	82.2	80.6	73.4	76.0	75.1	77.9						114.1
SAT 27.5	500	85.0	88.1	84.3	85.3	84.0	82.0	80.5	78.3	77.3	75.8	79.3						115.1
(WIND, WIND)	630	89.4	87.9	89.4	88.7	86.0	85.0	83.4	82.2	79.7	76.7	75.5						115.7
TEMP 57.0	800	91.8	91.5	91.7	89.8	89.3	87.6	86.0	83.8	81.8	78.5	80.8						119.4
(204. 270 K)	1000	88.2	88.9	89.2	89.1	88.2	85.8	83.7	82.1	79.4	77.0	80.0						114.8
TEMP 125.1	1250	87.3	87.5	87.2	85.2	83.1	81.1	83.5	82.2	78.0	77.0	80.3						111.0
(401. 170 K)	1400	83.1	83.1	83.8	80.0	80.7	83.4	81.1	79.7	76.1	74.7	80.1						111.1
WIND 30743	2000	86.9	88.4	88.2	86.9	85.6	80.0	84.4	81.1	78.0	70.5	80.7						117.3
( 30743)	2500	95.4	93.1	92.4	92.1	95.0	90.0	90.8	92.0	89.2	85.0	88.9						114.4
N/A 3010. 0PM	3150	84.4	84.4	85.9	85.9	85.6	85.0	83.6	83.8	78.4	74.0	80.2						110.1
( 3150. 140/SEC)	4100	86.5	87.5	87.1	87.9	85.1	87.5	87.3	83.9	79.7	77.0	80.4						113.0
N/A 3071. 0PM	5000	92.1	94.3	94.3	95.4	95.3	95.3	94.8	93.0	86.1	82.5	86.4						119.8
( 5000. 140/SEC)	6300	90.3	90.0	95.4	95.9	95.1	93.0	91.9	89.0	83.3	80.6	83.1						119.0
N/A 11547. 0PM	7000	84.3	84.3	90.4	92.5	92.5	92.0	94.7	91.4	86.2	82.5	84.7						117.1
( 7000. 140/SEC)	10000	91.9	93.1	95.9	97.8	98.9	97.4	96.5	93.1	87.1	83.4	85.4						119.2
N/A 11547. 0PM	12000	90.1	91.4	92.5	94.5	95.7	95.5	95.1	91.0	86.0	81.5	83.6						119.1
FAN TIP SPEED	14000	87.3	89.1	91.3	91.3	92.8	92.6	91.1	88.8	81.0	76.5	82.3						119.1
7.0. FT/SEC	20000	86.4	87.6	89.5	91.7	92.2	93.5	93.5	84.5	79.7	73.6	79.6						112.1
	25000	85.0	86.3	83.9	91.5	90.1	89.4	87.5	84.1	76.2	70.8	76.9						111.0
	31000	84.0	86.3	87.4	87.6	88.6	85.1	85.8	81.7	74.3	70.1	73.5						119.8
	40000	82.1	86.5	87.1	85.0	86.1	84.9	83.1	81.2	73.0	70.5	72.4						119.2
OVERALL MEASURED		114.1	109.1	105.6	105.9	106.2	105.5	104.2	103.6	90.4	83.8	96.2						119.0
OVERALL CALCULATED		119.5	118.1	112.7	117.7	117.9	117.4	116.1	112.4	107.7	107.9	109.6						119.4

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRUC, DATE - NOV 03 DAY 0 HR, 0.8

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	39.7	48.6	51.6	55.3	55.5	55.0	55.3	53.9	52.1	56.2	55.3						
	63	43.1	53.4	53.1	55.3	57.1	57.9	59.2	57.8	59.2	58.1	56.1						
SIDELINE 900. FT.	80	47.3	54.8	58.0	59.5	60.1	60.4	61.2	61.6	60.8	61.9	59.2						
(192.40 M)	100	49.4	55.8	60.1	62.0	60.6	60.9	63.2	59.0	58.4	61.0	58.7						
N/A 2250. RPM	125	45.3	53.2	56.6	58.6	60.0	59.8	59.4	57.2	55.8	58.4	56.9						
( 236. RAD/SEC)	160	44.7	53.8	57.9	60.4	60.2	59.5	58.6	57.6	56.3	59.6	58.1						
N/A 2273. RPM	200	48.0	56.4	60.9	63.3	63.3	62.2	61.8	59.8	57.0	59.6	58.3						
( 237. RAD/SEC)	250	43.7	57.1	61.5	64.2	64.6	64.5	63.1	60.6	58.6	60.7	58.9						
N/A 2244. RPM	315	45.2	55.0	60.3	62.8	62.5	61.9	61.2	59.1	56.8	59.6	58.1						
( 340. RAD/SEC)	400	44.3	54.3	59.5	62.3	62.5	61.4	61.1	58.2	56.6	59.7	58.6						
AIRFLOW RATIO	500	42.7	52.6	57.2	60.4	62.2	62.1	59.7	57.2	55.9	59.9	58.5						
W/PM 12.60	630	51.2	63.0	67.1	71.5	73.8	74.2	70.4	69.1	68.1	67.8	61.8						
	800	35.1	43.7	53.1	58.5	60.4	60.6	58.9	55.1	52.8	58.8	57.5						
VEHICLE QIWSIM	1000	37.8	47.1	56.5	60.6	62.5	64.0	61.6	58.0	55.5	58.7	56.7						
CUMUL	1250	42.9	55.3	63.3	67.3	70.1	71.1	67.9	64.1	60.7	64.4	59.9						
LUC SCHEMECTADY	1600	41.9	55.2	63.0	66.4	67.9	67.8	65.7	60.9	58.4	60.7	59.1						
DATE 5-06-75	2000	43.2	54.9	63.8	68.4	70.5	70.0	68.0	63.4	59.9	62.1	60.1						
RUN 2/6	2500	34.5	52.7	63.1	68.9	70.4	71.5	69.2	64.0	60.5	62.3	60.0						
TAPE X00001	3150	28.7	47.7	58.5	64.8	67.8	69.4	67.1	62.3	58.0	59.5	56.7						
FAN TIP SPEED	4800	23.2	42.9	53.4	60.5	63.7	64.4	61.3	57.0	52.2	56.5	54.2						
7.0. FT/SEC	5800	19.5	40.3	53.0	59.3	61.5	62.6	59.7	55.0	49.1	54.9	53.0						
	6300	3.7	34.7	49.6	54.8	58.3	59.0	57.1	50.1	45.0	52.5	51.9						
	8000		25.5	40.7	49.7	54.0	54.7	52.9	46.2	42.3	48.8	48.3						
	10000		14.6	31.7	42.2	46.8	48.7	48.0	42.1	39.9	46.5	46.3						
OVERALL CALCULATED		53.0	63.1	73.8	77.8	79.6	80.1	77.6	74.6	72.5	74.3	71.6						
PND9		63.1	76.1	84.7	89.9	91.7	92.3	93.1	89.7	82.5	85.2	82.9						

## Run 2/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PMOC DATE - NOV 15 DAY 8 HR. 0.8

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (59; DEG. F. 70 PERCENT REL. HUM. DAY)																PWL		
	ANGLES FROM INLET IN DEGREES (AND RADJANS)																		
	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.		0.	0.
50	66.3	63.1	63.1	67.8	69.8	70.6	69.6	68.3	68.1	68.6	72.8	71.6							103.6
63	71.3	71.3	71.3	73.3	74.5	73.5	71.8	69.8	73.0	72.5	75.3	78.5							108.7
RADIAL 17. FT.	80	63.3	63.6	63.4	63.1	64.1	67.4	71.6	73.6	73.1	73.6	77.4	78.9						107.2
( 5. M)	100	71.1	71.1	71.2	67.4	66.4	66.6	66.9	71.1	71.6	71.9	75.6	74.1						109.5
VEHICLE UTWSM	125	79.4	77.7	77.7	73.4	76.9	75.4	73.9	74.9	73.9	72.7	75.7	75.7						109.0
CURTIS	160	78.6	77.6	77.5	77.9	78.9	77.1	75.6	75.1	74.1	71.6	75.4	75.1						109.6
LCC SCHENECTADY	200	80.5	82.3	81.2	79.3	79.5	79.2	78.2	79.3	78.9	75.0	77.2	76.2						112.0
DATE 5-05-79	250	87.3	87.3	85.7	84.7	83.7	81.7	81.7	81.5	81.0	80.0	81.5	79.2						115.0
RUN 2/7	315	88.5	88.8	87.7	87.2	86.5	84.0	82.2	81.0	79.2	78.2	80.2	78.5						115.8
TARE X00001	400	86.4	85.9	85.6	85.2	84.1	83.2	81.6	81.6	78.4	76.4	75.6	77.1						115.2
BAR 29.6 HG	500	86.6	87.1	87.0	86.4	85.3	83.6	81.8	80.5	79.1	77.1	79.8	78.3						116.0
(Y9823, N/M2)	630	89.4	90.2	89.8	89.2	88.7	86.5	84.2	82.7	80.7	78.0	80.5	78.7						118.6
TANG 52. DEG F	800	90.5	91.0	91.2	90.8	90.3	88.3	86.5	84.8	81.5	79.3	80.8	78.8						123.0
(284, DEG K)	1000	87.9	89.2	90.4	90.5	89.7	87.3	85.2	83.3	81.2	78.2	81.5	78.7						117.3
TPOI 53, DEG F	1250	90.8	90.8	90.2	89.6	88.8	86.6	85.0	82.7	80.3	78.5	82.3	79.3						119.9
(283, DEG K)	1600	91.1	90.6	89.1	88.0	87.2	85.9	84.1	81.9	79.1	76.9	80.4	79.9						117.9
HACT 0, GM/M3	2000	85.2	87.7	86.9	85.9	85.1	83.8	82.4	80.1	78.5	74.5	79.0	75.0						115.3
( 10743)	2500	99.4	100.4	101.4	98.8	97.5	99.2	97.0	94.5	90.9	86.7	89.4	85.2						127.6
NFA 8930, RPH	3150	90.2	91.7	92.1	92.4	89.8	89.5	89.1	88.0	82.7	80.5	82.4	80.2						121.2
( 936, RAD/SEC)	4000	86.0	87.3	87.3	87.4	86.1	85.5	83.0	81.4	79.3	81.4	79.7							119.2
NFA 8995, RPH	5000	92.6	94.8	94.8	96.9	97.6	99.8	98.5	94.8	90.6	87.7	90.1	85.7						127.3
( 940, RAD/SEC)	6300	92.5	93.5	93.5	93.9	93.6	93.4	92.2	89.3	84.3	80.9	83.6	81.7						124.1
NFA 11517, RPH	8000	94.3	96.3	96.9	98.1	96.5	97.3	96.2	93.2	87.7	84.5	86.2	84.9						124.2
(1206, RAD/SEC)	10000	93.6	95.1	96.5	97.3	98.4	97.9	96.5	94.1	89.4	84.4	85.4	84.5						121.4
NO. OF BLADES 18	12500	91.1	92.6	93.8	95.5	96.7	96.5	95.6	93.6	89.3	82.7	84.4	82.6						127.2
FAN TIP SPEED	16000	88.6	89.8	90.3	93.3	94.1	94.1	92.3	89.6	85.7	79.7	82.5	80.8						121.9
780, FT/SEC	20000	87.9	88.9	91.3	92.7	93.4	93.1	92.1	87.8	84.2	77.3	80.6	80.3						124.4
	25000	86.5	87.5	89.9	91.0	91.6	91.2	89.8	86.6	83.9	73.5	79.3	79.9						123.3
	31500	86.3	87.3	88.6	89.6	90.6	89.9	88.3	83.8	79.3	72.1	76.2	75.8						122.7
	40000	84.1	85.6	86.1	87.2	87.4	86.6	85.1	82.4	79.3	71.5	78.0	79.2						121.8
OVERALL MEASURED																			
OVERALL CALCULATED		104.3	106.8	106.7	106.8	106.8	106.9	105.6	102.7	98.4	95.5	97.3	95.2						137.7
PND8		118.6	119.6	120.1	119.8	118.1	118.9	117.7	114.7	111.0	109.2	110.8	107.6						

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 7

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONIN 15 DAY 0 HR. 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DBG, F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.3)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.27)	140. (2.45)	150. (2.63)
50	40.2	47.8	52.4	56.0	59.7	63.0	66.0	69.0	72.0	75.0	78.0	81.0	84.0	87.0	90.0	93.0
63	43.8	50.9	53.6	56.3	57.9	58.1	59.9	59.9	59.1	56.2	58.3	56.9	59.7	59.7	59.7	59.7
SIDELINE 500. FT. (192.40 M)	80	43.1	54.3	58.5	60.3	60.1	61.4	61.9	61.9	61.0	62.4	61.0	59.7	59.7	59.7	59.7
NFA 2519, RPM	100	49.1	56.3	60.6	62.7	62.1	61.6	61.2	60.0	59.1	61.0	61.0	59.7	59.7	59.7	59.7
( 263, RAD/SEC)	120	46.5	53.7	58.1	60.1	61.0	60.8	61.7	61.9	61.1	62.2	61.1	60.1	60.1	60.1	60.1
NFK 2534, RPM	160	43.9	54.5	58.9	60.9	61.2	60.7	60.1	59.4	57.5	60.6	60.7	59.1	59.1	59.1	59.1
( 265, RAD/SEC)	200	48.2	56.9	61.4	64.0	63.6	62.9	62.3	61.8	60.2	62.6	62.3	60.3	60.3	60.3	60.3
NLD 3244, RPM	250	43.2	57.6	62.5	65.2	65.4	65.0	63.1	61.4	59.3	60.7	60.1	59.1	59.1	59.1	59.1
( 340, RAD/SEC)	300	45.5	56.2	61.0	64.3	64.0	63.4	62.4	61.9	60.0	60.1	57.3	57.3	57.3	57.3	57.3
AIRFLOW RATIO	600	44.8	53.5	58.3	61.0	62.1	61.7	60.6	58.9	56.3	59.8	58.5	58.5	58.5	58.5	58.5
WE/WM 12.60	800	41.6	50.8	55.7	58.6	59.7	59.7	58.4	56.0	54.0	57.0	56.3	56.3	56.3	56.3	56.3
VEHICLE UTMSH 1000	800	52.1	64.2	68.0	70.2	74.6	74.8	72.5	69.9	66.5	68.0	63.2	63.2	63.2	63.2	63.2
CONP 16 1250	1000	41.9	54.1	58.7	62.3	65.5	65.7	64.5	61.0	57.3	63.7	61.9	61.9	61.9	61.9	61.9
LUC SCHEMECTADY 1600	1250	33.8	43.3	55.3	60.0	63.1	64.3	63.0	59.4	57.2	59.4	57.1	57.1	57.1	57.1	57.1
DATE 5-06-75 2000	1600	41.1	54.5	63.9	68.8	73.7	74.3	71.7	68.2	65.5	67.6	62.6	62.6	62.6	62.6	62.6
RUN 2/7 2500	2000	37.4	52.3	60.0	64.2	66.8	67.4	65.2	61.4	58.2	60.7	58.1	58.1	58.1	58.1	58.1
TAPE X00001 3150	2500	37.5	54.3	63.4	68.4	70.2	71.0	67.2	64.4	61.5	62.9	60.9	60.9	60.9	60.9	60.9
FAN TIP SPEED 4000	3150	33.2	51.5	61.1	67.3	70.0	70.6	69.4	64.4	60.7	61.5	59.4	59.4	59.4	59.4	59.4
700. FT/SEC 6000	4000	23.4	45.7	57.3	64.1	67.3	68.6	67.9	63.2	58.1	56.3	57.0	57.0	57.0	57.0	57.0
6000 6000	6000	17.2	42.4	53.9	60.7	64.4	65.4	63.8	60.9	54.8	57.4	54.8	54.8	54.8	54.8	54.8
8000 8000	8000	5.7	36.4	50.1	57.5	61.2	62.9	63.2	57.9	50.9	53.9	52.7	52.7	52.7	52.7	52.7
10000 10000	10000	27.1	44.0	51.7	56.2	57.8	56.5	51.9	44.8	50.2	49.8	49.8	49.8	49.8	49.8	49.8
OVERALL CALCULATED PND9	58.6	66.7	74.1	77.7	80.5	81.0	79.2	76.6	73.7	75.1	72.1	72.1	72.1	72.1	72.1	72.1
	63.9	77.0	83.2	88.0	92.5	93.1	91.7	87.7	84.3	86.3	83.7	83.7	83.7	83.7	83.7	83.7

Run 2/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (DB, DEG, F, 70 PERCENT REL. HUM. DAY)  
 ANGLE FROM INLET IN DEGREES (AND RADIANS)

PMOC DATE - MONTH 23 DAY 0 HR. 0.0

SQL INPUT AT STD	FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PHL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	67.3	65.6	67.8	66.1	69.8	70.6	70.1	63.3	67.8	67.3	72.3	71.1						173.4
	63	71.3	71.8	71.8	72.3	74.3	73.5	71.8	70.3	73.3	73.0	80.0	76.8						179.1
RADIAL 17. FT.	80	65.4	66.6	67.6	64.1	65.6	68.4	72.4	74.4	74.9	74.9	80.9	80.1						179.7
( 5. M)	100	72.1	71.6	71.1	63.1	66.9	67.4	69.9	72.6	72.6	72.9	76.6	74.6						176.4
VEHICLE UTMSIM	125	80.4	80.4	79.9	76.9	78.2	76.7	74.7	75.9	75.2	73.2	76.7	76.4						110.0
CLAMP	160	79.6	78.4	77.9	78.4	79.4	77.9	76.1	76.1	75.4	73.1	77.4	76.4						113.5
LLC SCHEDULED	200	81.3	83.0	81.7	80.2	80.2	80.0	79.2	81.8	78.7	76.5	78.5	76.5						113.3
DATE 15-06-75	250	87.3	86.3	86.3	84.2	84.2	82.2	81.5	82.0	81.5	80.5	81.7	79.0						116.0
RUN 2/3	315	89.3	89.3	88.7	87.3	86.7	84.5	82.7	83.3	79.5	78.5	81.0	76.9						117.2
TAP: X00001	400	87.9	87.6	86.9	86.2	85.6	84.2	83.1	82.1	80.1	78.4	80.1	78.1						116.0
BAR 49.6 M3	500	86.8	87.6	87.3	87.3	86.6	84.6	82.8	81.8	80.1	78.6	80.2	78.6						117.3
(49.20. M/M2)	630	85.2	87.2	89.2	89.2	88.2	86.5	83.9	82.9	80.7	77.7	80.2	77.9						113.3
TANK 50. DEG F	800	89.6	92.3	92.2	90.3	89.8	88.1	86.2	84.0	81.5	79.0	80.5	78.6						119.6
(234. 233 K)	1000	89.4	89.9	90.7	89.7	89.2	87.0	84.9	82.8	80.4	78.2	80.5	78.9						119.1
TANK 50. DEG F	1250	92.5	92.3	91.5	90.3	89.8	87.6	85.5	83.4	81.5	79.0	80.5	79.8						119.3
(231. 236 K)	1500	87.6	89.5	89.1	88.3	88.2	86.4	84.8	82.7	80.4	78.7	80.4	81.1						118.3
HACT 0. GM/M3	2000	86.2	87.9	88.7	87.1	86.3	87.8	87.1	83.6	80.5	77.3	80.7	79.5						119.7
( 0. 0. M/M3)	2500	89.9	89.4	91.4	90.6	91.0	90.5	90.6	88.3	84.7	83.9	84.9	81.9						122.0
N/A 1 129. RPM	3150	94.2	100.4	101.1	101.6	102.8	103.8	102.6	101.1	96.9	95.5	94.2	92.2						113.0
(1177. RAD/SEC)	4000	87.5	89.3	89.3	89.9	90.1	90.5	91.0	89.4	85.2	82.5	83.4	81.2						121.3
N/A 1 364. RPM	5000	89.8	91.1	91.3	92.1	92.3	91.5	91.3	89.8	85.4	81.7	83.6	81.7						122.9
(1115. RAD/SEC)	6300	97.5	97.0	98.2	101.7	99.6	100.4	98.2	97.3	92.3	88.6	89.6	88.2						119.5
N/A 1 1217. RPM	8000	94.0	94.3	94.7	95.6	95.8	94.5	93.7	92.9	87.9	83.8	84.9	82.9						120.3
(1206. RAD/SEC)	10000	94.9	97.5	93.3	97.3	99.6	98.7	99.0	97.3	92.4	88.4	88.9	86.5						111.4
NO. OF BLADES 13	12500	93.1	93.9	94.8	96.2	98.2	98.0	96.8	94.6	90.5	85.5	85.6	83.9						123.5
FAN TIP SPEED	16000	90.1	93.5	92.9	94.5	95.1	95.4	94.3	91.3	86.3	82.2	84.0	81.8						126.1
875. FT/SEC	20000	89.4	90.1	91.8	93.7	94.9	94.3	93.6	91.0	87.7	80.8	82.6	81.5						120.9
	25000	88.3	88.8	90.9	92.8	93.3	92.7	91.3	89.6	85.2	77.8	80.6	81.1						125.0
	31200	88.1	88.6	89.1	91.1	92.3	91.9	90.3	88.2	83.8	76.4	79.2	80.9						124.6
	40700	85.6	86.6	89.1	88.7	89.4	88.4	87.6	83.9	82.0	73.7	78.5	79.9						123.5
OVERALL MEASURED																			
OVERALL CALCULATED		105.4	106.4	107.6	107.9	108.4	108.4	107.4	105.5	101.6	98.7	99.1	97.3						119.4
PHOB		118.7	120.2	121.7	121.0	121.6	121.8	120.7	113.7	119.9	113.9	113.3	111.7						

Run 2/Reading 8

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MON 23 DAY 0 HR; 0.8

SEL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DBQ, F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	23.	30.	40.	51.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.)	(0.17)	(0.39)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.4)	(1.57)	(1.73)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	40.9	43.1	44.1	45.2	46.5	47.8	49.2	50.7	52.2	53.8	55.4	57.1	58.8	60.5	62.2	64.0	65.8	
63	44.8	47.1	48.4	49.8	51.3	52.8	54.4	56.0	57.7	59.4	61.1	62.8	64.6	66.4	68.2	70.0	71.8	
SIDELINE 590. FT, (192.40 M)	80	47.3	49.7	51.2	52.8	54.4	56.1	57.8	59.5	61.2	62.9	64.6	66.4	68.1	69.9	71.6	73.4	
103	49.6	52.1	53.7	55.3	57.0	58.7	60.4	62.1	63.8	65.5	67.2	68.9	70.6	72.3	74.0	75.7	77.4	
NEA 2899, RPM (303, RAD/SEC)	129	47.3	49.8	51.4	53.0	54.6	56.2	57.8	59.4	61.0	62.6	64.2	65.8	67.4	69.0	70.6	72.2	
160	45.4	48.0	49.7	51.4	53.1	54.8	56.5	58.2	59.9	61.6	63.3	65.0	66.7	68.4	70.1	71.8	73.5	
NEK 2919, RPM (306, RAD/SEC)	203	47.2	49.8	51.5	53.2	54.9	56.6	58.3	60.0	61.7	63.4	65.1	66.8	68.5	70.2	71.9	73.6	
253	47.4	50.1	51.8	53.5	55.2	56.9	58.6	60.3	62.0	63.7	65.4	67.1	68.8	70.5	72.2	73.9	75.6	
NEO 3244, RPM (340, RAD/SEC)	319	46.2	49.0	50.8	52.6	54.4	56.2	58.0	59.8	61.6	63.4	65.2	67.0	68.8	70.6	72.4	74.2	
408	47.5	50.4	52.3	54.2	56.1	58.0	59.9	61.8	63.7	65.6	67.5	69.4	71.3	73.2	75.1	77.0	78.9	
AIRFLOW RATIO WE/WH 12.69	503	43.9	46.9	48.9	50.9	52.9	54.9	56.9	58.9	60.9	62.9	64.9	66.9	68.9	70.9	72.9	74.9	
833	43.0	46.1	48.2	50.3	52.4	54.5	56.6	58.7	60.8	62.9	65.0	67.1	69.2	71.3	73.4	75.5	77.6	
803	52.1	54.3	56.5	58.7	60.9	63.1	65.3	67.5	69.7	71.9	74.1	76.3	78.5	80.7	82.9	85.1	87.3	
VEHICLE UTMSIN	1003	39.3	41.6	43.9	46.2	48.5	50.8	53.1	55.4	57.7	60.0	62.3	64.6	66.9	69.2	71.5	73.8	
CONIC	1253	39.6	42.0	44.4	46.8	49.2	51.6	54.0	56.4	58.8	61.2	63.6	66.0	68.4	70.8	73.2	75.6	
LCC SCHEMECTADY	1600	43.9	46.4	48.9	51.4	53.9	56.4	58.9	61.4	63.9	66.4	68.9	71.4	73.9	76.4	78.9	81.4	
DATE 5-06-75	2000	38.2	40.8	43.4	46.0	48.6	51.2	53.8	56.4	59.0	61.6	64.2	66.8	69.4	72.0	74.6	77.2	
RUN 2/8	2500	39.3	42.0	44.7	47.4	50.1	52.8	55.5	58.2	60.9	63.6	66.3	69.0	71.7	74.4	77.1	79.8	
TAPE X00001	3150	31.2	34.0	36.8	39.6	42.4	45.2	48.0	50.8	53.6	56.4	59.2	62.0	64.8	67.6	70.4	73.2	
FAN TIP SPEED	4000	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0	52.0	55.0	58.0	61.0	64.0	67.0	
8000	19.0	22.2	25.4	28.6	31.8	35.0	38.2	41.4	44.6	47.8	51.0	54.2	57.4	60.6	63.8	67.0	70.2	
8000	6.2	36.7	39.8	42.9	46.0	49.1	52.2	55.3	58.4	61.5	64.6	67.7	70.8	73.9	77.0	80.1	83.2	
10000	27.3	30.4	33.5	36.6	39.7	42.8	45.9	49.0	52.1	55.2	58.3	61.4	64.5	67.6	70.7	73.8	76.9	
OVERALL CALCULATED	98.8	10.6	13.0	15.4	17.8	20.2	22.6	25.0	27.4	29.8	32.2	34.6	37.0	39.4	41.8	44.2	46.6	
PNDR	64.2	78.1	86.3	91.3	93.5	94.9	94.2	90.8	87.1	87.9	85.3	81.6	77.9	74.2	70.5	66.8	63.1	



Run 2/Reading 9

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MON 11 36 DAY 0 HR. 0.3

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADJANS)																
SPL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(HZ)	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	40.4	43.1	45.8	48.5	51.2	53.9	56.6	59.3	62.0	64.7	67.4	70.1	72.8	75.5	78.2	80.9	83.6
SIDELINE 500. FT.	80	44.1	51.7	54.4	57.1	59.8	62.5	65.2	67.9	70.6	73.3	76.0	78.7	81.4	84.1	86.8	89.5	92.2
(132.40 M)	100	47.1	53.8	57.2	59.3	61.4	63.5	65.6	67.7	69.8	71.9	74.0	76.1	78.2	80.3	82.4	84.5	86.6
N/A 3061. RPM	120	43.6	55.8	59.6	61.2	62.8	64.4	66.0	67.6	69.2	70.8	72.4	74.0	75.6	77.2	78.8	80.4	82.0
( 320. RAD/SEC)	160	47.0	54.5	57.7	60.1	62.0	63.8	65.6	67.4	69.2	71.0	72.8	74.6	76.4	78.2	80.0	81.8	83.6
NPK 3093. RPM	200	43.0	54.9	59.4	61.8	63.7	65.6	67.5	69.4	71.3	73.2	75.1	77.0	78.9	80.8	82.7	84.6	86.5
( 323. RAD/SEC)	250	43.4	55.4	60.3	63.2	65.9	68.6	71.3	74.0	76.7	79.4	82.1	84.8	87.5	90.2	92.9	95.6	98.3
N/D 3244. RPM	310	45.0	54.7	59.8	62.8	65.3	67.8	70.3	72.8	75.3	77.8	80.3	82.8	85.3	87.8	90.3	92.8	95.3
( 340. RAD/SEC)	400	43.0	55.3	59.1	62.3	65.0	67.7	70.4	73.1	75.8	78.5	81.2	83.9	86.6	89.3	92.0	94.7	97.4
AIRFLOW RATIO	500	41.8	51.8	57.3	60.8	63.1	65.4	67.7	70.0	72.3	74.6	76.9	79.2	81.5	83.8	86.1	88.4	90.7
W/PM 12.00	600	38.3	48.9	55.6	59.2	60.6	62.0	63.4	64.8	66.2	67.6	69.0	70.4	71.8	73.2	74.6	76.0	77.4
	800	39.3	50.9	57.5	62.7	65.1	67.3	69.5	71.7	73.9	76.1	78.3	80.5	82.7	84.9	87.1	89.3	91.5
VEHICLE UTHSM	1000	43.9	64.1	71.4	73.0	74.6	76.2	77.8	79.4	81.0	82.6	84.2	85.8	87.4	89.0	90.6	92.2	93.8
CUNTO	1250	37.5	51.8	58.0	63.5	66.8	68.6	70.4	72.2	74.0	75.8	77.6	79.4	81.2	83.0	84.8	86.6	88.4
LUC SCHEMECTADY	1000	35.6	49.2	56.9	62.1	64.2	66.3	68.4	70.5	72.6	74.7	76.8	78.9	81.0	83.1	85.2	87.3	89.4
DATE 15-06-75	2000	41.6	57.3	66.5	69.7	72.3	74.9	77.5	80.1	82.7	85.3	87.9	90.5	93.1	95.7	98.3	100.9	103.5
RUN 2/9	2500	33.4	50.0	58.4	62.9	65.7	68.5	71.3	74.1	76.9	79.7	82.5	85.3	88.1	90.9	93.7	96.5	99.3
YAPL X00001	3150	33.7	52.0	61.9	67.5	69.7	71.6	73.5	75.4	77.3	79.2	81.1	83.0	84.9	86.8	88.7	90.6	92.5
FAN TIP SPEED	4000	24.4	45.7	57.0	64.1	67.3	69.3	71.3	73.3	75.3	77.3	79.3	81.3	83.3	85.3	87.3	89.3	91.3
FAN TIP SPEED	5000	13.2	42.4	53.9	61.5	65.1	68.9	72.7	76.5	80.3	84.1	87.9	91.7	95.5	99.3	103.1	106.9	110.7
949. FT/SEC	6000	7.2	36.9	50.6	58.5	62.0	65.9	69.7	73.6	77.4	81.3	85.1	89.0	92.8	96.7	100.5	104.4	108.2
	8000		27.6	44.7	53.5	57.4	59.6	61.7	63.8	65.9	68.0	70.1	72.2	74.3	76.4	78.5	80.6	82.7
	10000		16.0	35.2	46.8	52.4	56.3	59.2	62.1	65.0	67.9	70.8	73.7	76.6	79.5	82.4	85.3	88.2
OVERALL CALCULATED		57.3	68.2	74.9	80.3	82.7	84.9	86.8	88.7	90.6	92.5	94.4	96.3	98.2	100.1	102.0	103.9	105.8
PNDB		62.3	76.9	85.5	90.2	92.6	94.4	95.5	96.5	97.5	98.5	99.5	100.5	101.5	102.5	103.5	104.5	105.5





Run 2/Reading 10

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PNDG, DATE - MONTH 42 DAY 8 HR. 0.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
50	(0.17)	37.7	47.2	51.6	54.8	55.0	54.7	56.0	55.7	54.1	55.2	57.8	
63	(0.35)	43.8	51.4	54.1	56.3	57.9	59.1	59.7	58.8	56.8	58.6	59.6	
SIDELINE 500. FT. (192.40 M)	100	46.9	54.3	57.3	59.5	59.1	56.9	58.0	57.5	56.1	59.0	57.4	
NPA 3150. RPM (331. RAD/SEC)	125	43.5	52.7	56.9	59.3	60.5	61.1	61.7	59.7	57.8	60.4	57.4	
NPK 3131. RPM (333. RAD/SEC)	200	44.6	54.5	59.4	61.9	62.9	61.2	61.1	59.1	57.3	63.6	58.6	
NPD 3244. RPM (343. RAD/SEC)	315	43.7	55.4	59.8	62.0	63.1	61.9	61.8	59.3	57.0	60.3	56.0	
AIRFLOW RATIO 900	630	44.4	54.1	59.0	63.2	63.6	63.2	61.0	60.6	58.3	60.9	56.1	
W/F/AH 12.60	800	43.3	54.2	59.3	61.3	61.3	61.1	63.7	58.6	55.8	59.9	57.1	
VEHICLE UTMSH 1303	800	43.5	53.3	59.4	62.8	62.8	62.7	62.6	58.9	56.1	60.9	57.9	
CUN 1250	1250	41.1	50.0	55.3	60.3	61.8	61.0	61.8	59.8	57.3	60.1	57.5	
LUC ECHENECTADY 1600	1600	38.3	48.7	54.9	58.5	61.6	61.2	64.1	61.6	55.4	62.1	57.6	
DATE 9-05-73	2000	39.6	50.2	56.3	61.7	64.6	64.8	63.3	60.5	56.3	60.8	57.7	
RUN 2/10	2500	52.4	64.3	70.7	77.5	81.5	83.1	82.5	79.7	74.2	77.5	71.9	
TAPE X00001	3150	43.3	53.8	60.0	66.3	70.3	72.1	71.7	68.4	64.2	66.4	61.1	
FAN TIP SPEED 4000	4000	34.9	49.3	55.4	61.6	64.5	65.5	64.9	62.2	59.5	60.9	57.3	
979. FT/SEC	5000	40.4	55.0	64.3	68.2	71.0	72.2	72.4	69.4	65.9	66.5	63.6	
OVERALL CALCULATED	5000	32.8	43.7	50.4	62.7	65.9	66.0	65.5	62.9	60.0	61.2	59.4	
PNDH	6300	32.7	50.8	60.6	67.5	69.2	70.4	69.7	66.2	62.7	63.3	59.9	
	8000	23.2	44.7	55.0	63.1	66.3	66.6	65.9	63.2	58.9	59.5	56.7	
	10000	17.7	41.6	53.4	60.2	64.1	65.1	62.3	61.5	56.6	57.8	56.3	
		9.9	36.2	49.9	57.5	60.7	62.6	60.9	59.5	53.7	55.2	53.9	
			28.1	44.2	52.7	56.9	58.1	57.7	55.1	49.3	51.2	51.5	
			15.3	35.2	46.0	51.2	53.2	51.7	50.3	45.0	46.4	46.7	
			57.2	67.8	74.1	79.8	83.2	84.5	83.9	81.3	78.6	74.8	
			62.9	76.2	84.3	89.9	92.8	93.8	93.2	90.7	86.7	84.7	

ORIGINAL PAGE IS OF POOR QUALITY

Run 2/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PNDB, DATE - MONTH 51 DAY 0 HR. 0.0

SEL INPUT AT STD	FREQ. (C)	MODEL SOUND PRESSURE LEVELS (DB, DEG. F. 70 PERCENT REL. HUM. DAY)															PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	
	50	65.6	68.1	67.6	66.6	67.3	67.6	67.3	65.6	67.1	66.8	71.3	70.1				121.9
	63	71.3	72.5	71.9	71.3	74.0	74.3	74.3	73.3	74.5	73.0	79.0	76.8				123.8
RADIAL 17. FT.	85	64.1	66.1	66.4	62.8	64.6	68.1	72.4	73.9	73.9	74.4	78.6	76.6				127.6
( 5. M)	100	69.4	69.4	68.6	66.1	64.6	65.1	67.4	69.4	68.9	69.6	73.8	72.4				133.6
VEHICLE UTWSTM	125	77.7	76.9	75.9	73.7	74.7	73.2	72.4	73.9	72.7	71.2	75.7	75.2				137.7
DRIVE	160	77.9	76.4	75.6	75.9	76.6	75.4	73.9	74.9	73.9	72.4	77.6	76.0				139.1
LEG SOME INSTADY	200	81.0	81.6	83.7	81.0	81.0	81.7	81.0	81.0	79.2	76.5	77.5	75.7				143.0
DATE 5-06-75	250	83.8	83.5	82.5	82.0	80.0	78.7	78.0	78.8	76.5	76.7	79.0	76.9				143.0
RUN 2/11	315	85.3	83.5	84.7	83.7	82.0	83.3	79.0	77.0	76.0	74.7	80.0	76.2				142.7
TAP	400	88.4	89.1	87.1	85.4	84.4	83.9	81.9	80.6	79.4	78.9	79.6	78.1				146.0
BAR 27.5 M3	500	85.6	86.3	86.3	86.1	84.8	83.3	81.0	79.0	78.1	76.3	79.6	77.3				145.9
(95-20) N/M2	630	88.4	88.4	85.7	85.5	88.2	87.8	86.2	84.2	81.2	78.7	81.7	79.2				145.6
TAP 57 DEG F	800	88.3	91.0	92.2	93.0	96.0	95.8	94.5	91.0	88.8	85.8	85.8	86.5				125.8
(234. DEG K)	1000	87.7	88.2	88.4	88.0	88.2	86.8	84.9	83.1	81.7	78.7	81.2	79.2				119.3
TAP 93 DEG F	1250	89.3	90.0	89.7	89.8	91.1	89.5	87.7	85.2	83.5	81.5	83.0	80.8				123.3
(233. DEG K)	1500	89.4	89.1	88.8	89.5	91.2	92.2	93.1	94.9	95.9	93.4	85.9	82.6				122.2
HACI 1. GM/M3	2000	86.9	87.7	88.2	88.9	91.6	93.8	94.1	92.8	90.0	87.8	87.5	85.5				124.5
( 1. KG/M3)	2500	88.9	89.1	88.5	89.2	93.0	94.5	95.1	93.0	91.4	87.7	82.1	84.4				125.3
N/A 11475. RPM	3150	99.4	97.7	99.9	101.4	102.3	105.5	104.8	103.1	99.9	96.8	98.2	95.2				115.1
(1427. RAD/SEC)	4000	95.5	95.0	96.5	98.4	99.3	101.8	101.8	103.1	98.7	93.2	94.9	90.4				112.1
N/A 11740. RPM	5000	89.1	91.6	90.8	91.1	92.3	93.3	93.7	91.6	87.4	84.5	85.6	82.2				123.7
(1631. RAD/SEC)	6300	95.0	96.0	95.4	97.2	96.6	98.9	97.9	97.5	93.3	90.4	91.6	87.4				123.1
N/A 11517. RPM	8000	93.0	94.5	91.9	95.1	95.5	95.8	95.9	95.4	91.4	88.8	89.4	85.6				127.5
(1736. RAD/SEC)	10000	94.1	94.0	95.0	96.3	96.6	95.7	94.5	93.1	90.4	88.1	86.7	84.8				127.1
N/A 11700. RPM	12500	91.9	92.4	92.0	93.7	94.5	94.0	92.5	91.3	88.5	83.7	84.9	82.4				125.2
FAN TIP SPEED	15000	90.6	90.6	91.5	92.3	93.6	92.9	92.8	93.5	90.7	81.5	83.3	81.3				124.1
1019. FT/SEC	20000	89.6	89.4	91.3	92.2	92.9	92.1	90.8	86.8	86.2	76.8	82.4	81.3				123.9
	25000	88.0	88.5	90.4	91.9	91.8	90.7	89.0	86.3	83.9	77.8	80.0	81.6				123.3
	31500	88.3	88.0	88.9	89.8	90.3	89.4	87.5	83.9	82.1	76.6	78.9	80.3				122.7
	40000	85.6	86.0	88.4	88.0	87.4	86.6	85.1	81.0	74.5	77.7	80.2	82.0				122.0
OVERALL MEASURED																	
OVERALL CALCULATED		105.3	105.3	106.1	107.1	108.8	109.4	108.9	107.3	104.2	100.9	102.4	90.6				148.1
PNDB		119.2	118.6	119.8	120.8	121.7	123.8	123.2	121.7	118.7	115.6	117.2	115.0				

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 11

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROG. DATE - NOV 14 51 DAY 0 HR. 0.3

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 78 PERCENT REL. HUM. DAY)													
	FREQ. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.77)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)
50	39.9	45.8	51.4	53.8	54.3	54.0	55.0	55.2	55.8	56.9	57.5	58.6	59.4	60.0
63	44.6	51.6	54.7	56.5	57.1	57.6	59.2	59.4	59.8	60.7	61.8	62.8	63.4	64.0
SIDELINE 500. FT. (192.40 M)	46.1	53.3	57.1	58.5	58.4	58.4	59.2	59.7	59.8	60.7	61.8	62.8	63.4	64.0
NPA 3280 RPM (344. RAD/SEC)	48.2	55.2	59.4	60.3	61.8	61.1	62.7	62.9	63.6	64.6	65.8	66.7	67.1	67.5
NPK 3310 RPM (347. RAD/SEC)	48.5	55.7	60.6	63.5	63.1	64.9	65.3	66.3	66.3	67.3	68.5	69.4	69.8	70.3
NED 3244 RPM (340. RAD/SEC)	44.5	54.2	59.3	62.8	63.5	63.1	62.2	61.4	61.5	62.5	63.9	64.3	64.3	64.3
AIRFLOW RATIO M/PM 12.60	41.3	51.9	58.6	65.0	66.6	67.6	71.5	71.1	68.9	66.9	66.4	66.4	66.4	66.4
VEHICLE - UH51M CON 10	47.9	61.8	69.9	74.8	80.5	81.5	81.1	78.2	75.2	74.5	74.5	74.5	74.5	74.5
LOC SCHEMECTADY	36.9	51.5	58.1	63.6	67.2	68.8	68.4	64.9	62.2	63.1	63.1	63.1	63.1	63.1
DATE 5-25-75	37.0	54.6	63.2	67.2	70.3	73.2	73.7	73.4	67.7	68.2	68.2	68.2	68.2	68.2
RUN 2/11	35.8	52.0	63.4	65.4	68.7	70.8	71.5	68.1	65.7	66.2	66.2	66.2	66.2	66.2
TAPE X00001	32.0	50.0	59.8	65.5	67.7	66.6	62.2	60.4	62.7	62.8	62.8	62.8	62.8	62.8
FAN TIP SPEED 1019. FT/SEC	23.2	44.0	55.9	61.8	64.0	65.3	65.7	63.7	59.1	62.0	62.0	62.0	62.0	62.0
8000	17.3	41.9	53.1	60.2	63.1	65.4	62.5	61.5	58.6	58.1	58.1	58.1	58.1	58.1
10500	4.2	35.4	49.6	57.0	60.2	61.6	59.2	57.5	53.4	55.7	55.7	55.7	55.7	55.7
OVERALL CALCULATED	57.4	67.9	74.9	79.8	84.0	85.2	84.6	82.2	79.2	80.9	80.9	80.9	80.9	80.9
PND8	61.9	75.1	84.5	89.8	93.3	94.4	94.2	91.6	88.5	89.7	89.7	89.7	89.7	89.7

Run 2/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (DB, DEG. F. 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SQL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.	PWL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(0.)	(0.)	(0.)	(0.)	(0.)	
	53	65.6	67.9	67.1	67.3	68.1	68.6	67.6	68.1	68.8	68.3	73.6	72.3							103.5
	63	68.8	73.3	73.3	72.3	74.5	75.8	75.8	74.3	75.0	74.5	79.0	77.3							107.5
RADIAL 17. FT.	80	63.6	65.4	65.9	62.3	64.9	67.9	72.6	74.1	74.1	74.6	77.6	75.6							107.4
( S. M)	100	68.9	68.6	65.1	65.4	63.9	64.9	66.4	64.6	69.6	69.9	73.4	71.9							103.3
VEHICLE (TMSIN)	125	76.9	76.4	75.7	73.4	73.9	73.2	71.9	73.9	73.4	71.2	75.4	75.4							107.6
160	77.1	75.9	75.6	75.4	76.4	75.1	73.4	73.9	73.4	72.9	77.9	76.9								109.3
LUG SCHEMECTADY	200	63.3	67.3	66.2	63.7	63.2	64.5	61.5	63.0	61.0	70.5	70.7	70.5							115.9
DATE 15-06-79	250	63.5	62.8	62.2	60.7	60.2	78.7	78.2	78.3	72.7	76.7	79.0	76.5							112.5
ROD 2/12	315	64.8	64.8	63.5	62.5	62.2	79.8	77.7	76.8	76.0	75.0	77.2	76.5							112.0
TAP	400	66.9	65.6	65.1	64.7	64.4	64.4	63.9	62.4	60.4	78.6	80.9	76.9							116.3
BAR 27.0 HG	500	65.3	67.6	67.3	65.3	65.6	62.8	61.5	72.6	77.6	76.6	79.6	77.8							115.3
(99025, N/H2)	630	69.7	71.2	66.9	69.7	69.7	68.0	66.7	63.4	62.2	60.2	62.2	60.4							120.0
TANK 52, DEG F	800	91.0	92.0	94.0	93.8	94.5	94.1	92.0	93.3	80.3	85.0	85.3	82.5							124.4
(284, DEG K)	1000	91.9	92.2	90.7	91.5	92.2	91.3	89.2	87.1	84.4	82.5	83.7	83.2							121.9
TANK 51, DEG F	1250	92.8	91.6	94.7	93.1	92.8	91.6	91.0	89.2	86.5	84.5	84.8	82.3							123.5
(283, DEG K)	1600	91.1	90.9	91.6	91.5	91.9	92.4	91.3	89.2	87.1	85.2	85.9	83.1							123.1
HAD1 G/MH3	2000	89.2	93.4	93.4	91.4	92.8	94.8	94.9	94.1	90.2	89.3	89.5	86.2							125.7
( K/MH3)	2500	89.6	90.4	90.4	91.3	92.0	92.7	93.8	93.0	89.9	89.0	86.9	84.4							124.7
NFA 10014, RPM	3150	96.2	93.4	94.1	94.1	100.1	99.0	97.8	96.1	92.7	90.3	93.7	88.2							127.0
(1458, RAD/SEC)	4000	100.5	101.0	101.8	102.1	102.8	102.3	100.8	98.0	95.2	93.5	93.4	90.9							132.9
NFA 12102, RPM	5000	93.8	91.6	91.6	92.1	92.8	93.0	93.3	92.3	88.6	89.5	85.4	83.4							124.4
(1257, RAD/SEC)	6300	93.3	93.3	94.7	94.4	95.6	95.9	94.9	94.3	90.1	87.6	87.9	84.9							125.5
NFA 11517, RPM	8000	95.0	94.3	93.9	93.1	96.5	97.8	96.2	95.2	91.2	87.8	82.4	80.9							124.1
(1406, RAD/SEC)	10000	94.4	94.9	94.0	94.0	96.4	95.2	94.8	93.3	87.9	87.4	87.2	80.0							126.9
NO. OF BLADES 10	12500	92.4	92.6	92.0	92.7	93.7	93.8	92.6	91.3	89.0	84.5	84.9	82.4							125.0
FAN TIP SPEED	15000	91.1	93.6	91.0	91.3	92.8	92.6	91.3	88.5	87.0	82.7	83.0	81.5							123.0
1009, FT/SEC	20000	89.9	89.6	86.3	91.5	92.2	91.3	90.1	85.0	86.2	82.1	82.4	82.0							123.4
25000	88.3	88.0	89.9	91.0	90.8	89.7	84.8	85.6	83.9	80.8	80.5	82.4								122.9
31500	88.3	88.1	88.6	89.1	89.1	88.6	86.3	83.7	82.1	80.4	78.9	80.8								122.1
40000	86.3	85.6	88.1	87.7	86.1	85.4	84.4	81.9	81.5	81.2	78.2	81.2								121.6
OVERALL MEASURED																				
OVERALL CALCULATED		106.4	107.0	107.3	107.5	108.2	107.9	106.8	105.2	102.0	96.7	100.1	97.8							130.0
PNDB		120.3	121.0	121.4	121.5	122.2	121.8	120.7	119.0	115.0	113.9	114.3	111.8							

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 12

PAGE 2 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONIN 63 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, Dec. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
53	38.4	45.8	49.9	53.5	54.0	53.5	54.0	54.7	54.3	59.2	57.0						
63	49.1	55.9	57.9	60.1	63.1	61.4	63.7	62.1	60.7	59.8	59.1						
SIDELINE 500. FT:	43.0	51.3	54.5	56.6	57.1	57.9	58.7	58.6	57.8	59.9	56.9						
(192.40 M)	49.1	52.1	55.8	58.5	57.9	57.1	57.0	56.7	55.9	58.0	55.7						
N/A 3394. RPM	46.3	53.2	57.6	60.3	62.3	63.1	62.4	60.9	59.3	61.4	58.9						
(354. RAD/SEC)	40.4	54.8	58.9	61.2	60.4	60.5	59.4	58.1	57.0	59.9	57.6						
N/A 3409. RPM	49.2	57.9	61.7	65.0	65.3	65.4	65.9	62.3	60.5	62.3	60.3						
(357. RAD/SEC)	49.2	60.4	65.3	69.5	71.1	70.5	69.0	66.1	65.1	65.2	61.9						
N/A 3244. RPM	48.5	56.3	62.8	66.8	68.0	67.4	66.2	64.1	62.3	63.4	59.3						
(340. RAD/SEC)	50.0	59.8	63.9	67.0	68.0	68.7	68.1	65.7	64.1	64.2	60.9						
AIRFLOW RATIO	49.1	56.0	61.8	65.8	68.6	69.0	67.3	66.3	64.5	65.1	61.8						
W/WH 12.60	43.7	54.1	61.1	66.2	70.6	72.2	72.4	69.1	68.4	68.4	64.6						
800	50.1	62.3	68.3	73.0	74.4	74.9	74.1	71.3	69.1	69.3	66.3						
VEHICLE UHWSM	51.3	61.8	70.7	75.3	77.3	77.5	75.4	73.5	72.3	71.7	68.7						
CONV 1250	43.2	52.6	63.0	64.8	67.6	69.6	69.7	68.6	63.7	63.4	60.8						
LUC SCHEDULED	41.4	54.4	61.5	66.9	69.9	70.8	71.2	67.7	65.4	65.5	61.9						
DATE 15-06-75	43.2	54.4	62.3	67.1	71.3	71.5	71.7	68.4	65.2	65.6	62.4						
RUN 2/12	36.3	51.2	60.1	66.4	68.2	69.7	69.5	67.7	64.5	64.0	61.2						
TAPE Y00301	29.9	47.2	56.8	62.8	66.0	66.9	66.9	65.3	61.0	61.2	57.9						
FAN TIP SPEED	21.7	43.3	53.4	60.5	63.7	64.6	63.2	62.5	58.5	58.5	56.2						
1059. FT/SEC	17.5	41.0	52.7	59.3	62.0	63.1	61.2	61.5	57.6	57.6	56.5						
6300	9.4	35.7	49.1	55.6	58.5	60.2	59.6	57.9	55.0	54.5	53.4						
8000		25.8	42.2	50.2	54.5	55.2	54.5	53.9	52.6	50.8	51.6						
13000		15.6	34.0	42.2	47.3	50.0	49.8	50.4	50.7	47.3	49.0						
OVERALL CALCULATED	59.5	70.0	76.0	80.4	82.6	83.0	82.5	79.8	77.9	78.1	75.1						
PND8	64.3	77.3	84.6	89.9	92.5	93.1	92.8	90.7	88.0	88.0	85.3						

Run 2/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99, 100, 105, 110, 115, 120 PERCENT REC. HUM, DAY) PROC. DATE - MONTH 51 DAY 0 HR. 0:0

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)													PHL				
	0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	
FREQ. (0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
90	83.6	85.8	85.1	84.6	84.8	85.6	84.5	84.9	86.3	86.1	86.6	84.8						99.1
53	70.3	71.5	72.8	71.8	74.0	75.0	73.5	72.5	74.5	73.3	75.5	73.3						104.8
RADIAL 17, FT.	60	62.6	64.9	63.8	60.13	63.3	67.9	71.9	73.1	72.9	73.9	71.6	69.4					107.4
VEHICLE (S, M)	100	62.7	62.7	61.7	59.7	61.9	63.4	64.4	65.4	64.9	64.4	63.7						104.8
CONFIS	125	70.7	70.9	71.2	68.7	68.7	68.7	69.2	70.9	70.4	69.7	69.2	69.4					107.4
LCC SCHEVEDTADY	150	73.4	72.1	71.9	71.6	72.1	70.9	69.6	70.1	70.9	70.6	71.6	71.4					103.4
DATE 65-04-75	200	75.3	78.5	78.7	76.2	75.3	75.0	73.2	73.3	72.0	70.7	69.7	70.0					104.7
BLN 2/13	250	77.0	77.3	76.5	74.7	74.2	72.7	72.0	72.3	72.0	72.0	71.2	69.2					107.3
TAPE X00010	315	78.0	78.3	77.5	76.7	76.0	74.3	72.5	70.8	69.5	69.5	65.0	66.7					106.4
BAR 29.6 HG	400	80.9	80.9	79.6	78.9	77.9	77.9	76.4	74.7	73.6	72.1	69.6	66.9					106.5
(99-20, 1/2)	500	80.8	81.6	81.0	79.8	79.6	77.6	76.5	74.6	73.1	72.8	70.1	67.1					109.9
TAPE 521 DEB F	630	83.7	85.2	85.4	84.7	84.7	83.8	83.4	80.9	79.0	75.0	74.5	71.2					105.3
(284, DEB K)	800	85.0	86.8	88.2	88.0	89.3	88.6	86.2	83.5	81.0	79.3	76.3	75.0					106.7
TAPE 501 DEB F	1000	87.9	88.7	87.9	86.7	86.5	85.3	83.7	81.3	79.9	77.2	74.7	70.9					106.7
(283, DEB K)	1250	91.5	91.3	90.5	90.3	90.6	89.1	87.0	84.4	82.3	80.8	77.5	73.8					120.1
MACT 3.0 GM/H3	1600	89.1	89.4	89.1	89.2	89.7	90.2	89.1	86.9	84.9	82.2	79.9	76.4					120.6
(1, KG/H3)	2000	86.9	88.1	88.4	88.8	89.0	91.0	90.6	87.8	85.4	83.9	80.4	76.9					122.1
FA 11684, RPM	2500	97.7	96.9	97.1	99.1	95.1	102.3	102.1	99.6	95.7	93.8	92.2	86.0					121.2
(1223, RAD/SEC)	3150	94.3	94.0	94.1	95.1	94.8	98.8	98.5	96.6	92.2	90.2	85.6	82.7					132.0
KFK 11769, RPM	4000	87.8	89.6	89.1	89.4	89.8	90.3	90.0	89.8	85.4	82.5	80.1	75.9					125.7
(1232, RAD/SEC)	5000	92.5	95.3	94.9	94.4	95.6	95.4	94.7	93.5	89.6	86.9	82.5	82.2					121.3
SFC 11517, RPM	6300	91.0	93.8	93.2	93.1	93.3	93.5	92.4	91.9	87.9	85.0	82.2	79.4					125.4
(1108, RAD/SEC)	8000	92.1	93.4	93.0	94.0	95.1	94.4	93.3	91.8	88.1	84.6	81.2	78.5					124.6
NO. OF BLADES 18	12500	90.9	91.1	90.3	91.2	92.7	92.3	91.1	88.8	86.3	81.9	78.6	75.6					125.4
FAV 119 SPEED	16000	89.1	89.3	89.5	89.6	91.1	91.1	89.1	85.8	84.5	79.7	76.3	73.3					123.2
1020. FT/SEC	20000	88.1	85.6	89.0	89.0	91.4	89.5	88.4	84.7	83.7	78.1	74.5	71.3					121.8
	25000	85.8	87.0	87.2	89.0	89.6	88.2	87.3	83.3	81.4	75.5	71.3	68.6					121.5
	31500	86.8	86.8	85.6	86.6	87.8	87.4	85.5	80.4	79.3	74.4	68.9	66.0					120.8
	40000	84.1	84.1	84.6	84.7	85.4	84.4	82.6	77.4	78.0	72.0	65.0	63.2					120.0
OVERALL MEASURED																		119.0
OVERALL CALCULATED																		137.0
PNR	103.5	104.2	104.0	104.9	105.0	106.6	106.5	103.9	100.4	97.9	95.9	91.3						
	117.2	117.4	117.4	118.5	118.1	120.7	120.3	118.1	114.7	112.8	110.7	105.8						

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 51 DAY 0 HR. 0:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT SITE	FREQ, (3)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	30	34.7	42.1	46.1	49.3	49.8	49.7	51.0	52.3	52.1	52.9	52.3	52.9	52.3
	43	40.3	48.4	50.4	51.8	53.6	53.1	53.9	53.1	52.0	50.8	50.6	50.8	50.6
SIDELINE 500 FT	90	38.3	45.6	48.5	51.8	51.1	51.6	52.7	52.9	53.0	52.1	49.7	47.0	47.0
(152.40 M)	100	38.6	46.1	50.1	52.2	52.4	51.9	51.0	50.2	50.4	48.7	47.0	48.9	48.9
NFA 3291 RPM	125	40.5	47.7	51.9	53.8	53.8	53.6	54.9	54.2	52.8	50.2	48.9	48.9	48.9
( 345, RAD/SEC)	150	40.4	45.5	52.4	53.2	55.2	55.5	54.4	53.4	53.3	50.4	46.9	46.9	46.9
NFK 3315 RPM	200	43.2	52.4	56.9	60.0	61.1	62.2	60.5	59.1	55.2	34.6	50.8	50.8	50.8
( 347, RAD/SEC)	250	43.9	54.6	59.8	64.2	63.6	64.7	62.9	60.9	59.3	58.2	54.4	54.4	54.4
BFD 3244 RPM	315	45.0	53.7	58.0	61.1	62.0	61.9	60.4	59.6	57.0	54.4	50.1	50.1	50.1
( 340, RAD/SEC)	350	46.3	55.6	61.1	64.8	65.5	64.9	63.3	61.7	60.4	56.9	52.6	52.6	52.6
AIRFLOW RATIO	500	43.6	53.5	59.5	63.5	66.3	66.7	65.5	64.1	61.5	59.1	55.0	55.0	55.0
WF/WH 12.60	630	41.5	52.1	59.4	64.2	67.6	68.7	67.6	65.6	63.9	59.9	56.3	56.3	56.3
	690	39.8	51.2	58.0	63.0	66.4	67.6	65.8	64.0	62.3	59.0	55.0	55.0	55.0
VEHICLE UTHS14	1000	47.2	59.1	67.7	73.5	77.3	78.7	77.3	74.0	72.2	70.5	63.7	63.7	63.7
CONFIG	1250	42.5	55.0	64.0	66.8	73.3	74.8	74.0	70.1	68.4	66.6	60.1	60.1	60.1
LOC SCHENECTADY	1600	35.9	43.7	56.4	61.1	64.2	65.8	65.7	62.9	60.2	57.6	52.8	52.8	52.8
DATE 05-06-75	2000	39.1	53.3	60.5	65.2	68.8	69.9	69.9	66.9	64.2	51.7	58.6	58.6	58.6
BLN 2/13	2500	55.0	50.2	58.4	63.2	66.4	67.3	68.0	64.6	62.0	58.9	55.4	55.4	55.4
TARE X00010	3150	30.7	48.0	57.8	64.0	66.5	67.4	67.2	64.2	61.0	57.3	53.9	53.9	53.9
FAN TIP SPEED	4000	21.9	42.2	53.0	60.1	63.0	64.1	63.2	61.4	58.9	53.8	50.0	50.0	50.0
3020, FT/SEC	5000	16.7	39.9	50.6	57.7	61.4	61.6	59.8	59.3	54.8	51.1	47.3	47.3	47.3
	6300	5.4	34.2	47.4	54.5	58.0	59.4	58.4	57.0	51.7	47.9	43.7	43.7	43.7
	8000		24.4	41.2	49.7	53.2	55.3	53.2	52.4	46.8	42.2	38.5	38.5	38.5
	10000		11.8	31.5	42.5	47.9	49.7	48.9	47.0	42.5	36.7	32.3	32.3	32.3
OVERALL CALCULATED		54.8	65.4	72.6	76.4	80.9	82.1	81.1	78.1	76.1	73.9	68.7	68.7	68.7
PNDB		60.4	74.2	82.0	87.4	90.4	91.8	90.7	88.2	85.5	82.9	78.8	78.8	78.8



## Run 2/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 58 DAY 8 HR. 0:0

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM., DAY)																PWC
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	120.	150.	180.	225.	270.	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	120.	150.	180.	225.	270.	
	50	83.6	57.1	65.8	66.1	66.1	66.3	66.3	65.3	66.3	67.1	66.6	65.3					99.8
	63	70.3	73.5	70.3	72.3	73.3	73.0	73.0	71.5	72.8	73.3	75.3	74.0					106.9
RADIAL 17, FT.	80	62.6	65.6	64.6	61.6	63.6	67.4	71.6	73.4	73.4	74.4	72.1	69.9					105.1
( 5.4)	100	62.7	65.9	64.6	62.4	63.4	62.4	64.1	66.1	66.9	66.9	66.1	65.1					96.0
VEHICLE UTWSIN	125	70.7	72.7	72.2	69.2	69.9	68.9	69.4	70.9	69.9	69.9	68.9	68.7					103.5
CONFIG	160	73.4	72.6	71.9	71.6	72.1	71.1	70.1	73.9	70.6	69.9	71.1	70.4					104.6
LCC SCHENECTADY	200	75.3	74.3	74.0	72.2	72.0	72.0	72.5	72.1	71.2	69.5	67.0	65.0					104.7
DATE 05-06-75	250	77.0	77.5	77.0	75.5	74.5	73.5	72.7	73.3	72.7	72.5	71.5	69.7					107.0
RUN 2/14	315	78.0	78.5	78.2	77.2	76.5	75.0	74.2	72.5	70.0	68.7	66.7	66.0					107.1
TAPE X00010	400	80.9	80.4	81.1	80.2	81.1	79.2	78.6	76.9	73.9	72.4	69.1	68.4					120.7
BAR 29.6 HG	500	83.8	77.1	77.3	75.3	77.8	76.3	75.8	73.1	73.1	70.6	67.8	65.6					108.1
(9980) 4/42)	630	83.7	77.9	78.9	79.2	79.5	77.3	76.7	75.9	73.7	72.2	70.2	67.7					109.6
TAPE 501 DEG F	800	85.0	78.5	80.5	81.8	82.8	81.3	79.2	77.5	75.5	74.8	71.8	69.0					112.1
(224, DEG K)	1000	87.9	83.7	82.4	81.0	82.2	84.0	82.9	80.8	78.9	77.5	73.2	71.4					114.2
TMET 501 DEG F	1250	91.5	83.0	82.2	82.1	84.8	89.3	84.2	82.7	81.8	78.8	75.5	71.5					115.8
(253, DEG K)	1600	89.1	83.1	84.1	82.5	83.4	83.2	83.1	81.9	80.9	78.4	75.4	72.1					114.9
WACT G. GM/H3	2000	85.4	83.7	83.7	83.1	84.3	83.8	82.9	81.6	78.2	76.8	72.7	70.0					114.6
(1 KG/M3)	2500	86.9	86.1	85.4	85.3	86.3	87.2	88.1	85.0	82.4	80.5	78.1	72.9					119.6
SFA 10876, RPM	3150	97.7	97.7	98.9	99.4	101.3	100.3	99.1	96.6	92.9	89.5	86.7	84.5					130.7
(1139, RAD/SEC)	4000	94.3	87.3	87.6	87.9	88.8	88.3	87.3	84.9	81.7	78.2	76.9	73.2					118.9
SFA 11692, RPM	5000	87.8	86.1	87.6	88.9	89.8	89.8	89.3	86.9	83.1	80.5	77.4	74.7					120.3
(1147, RAD/SEC)	6300	92.5	95.0	95.2	95.9	96.6	96.2	95.9	94.0	90.1	87.6	84.4	81.4					127.2
SFD 1151, RPM	8000	91.0	93.3	92.4	94.4	92.8	92.2	90.2	85.2	82.3	79.9	78.1						123.9
(1206, RAD/SEC)	10000	92.1	95.4	95.0	95.8	97.1	95.7	95.3	93.1	88.9	86.1	81.9	79.8					127.0
NO. OF BLADES 18	12500	91.9	93.6	93.3	94.7	96.2	94.8	93.6	91.3	88.3	83.5	81.4	77.9					126.0
FAN TIP SPEED	16000	89.1	90.6	91.3	92.3	94.1	93.6	91.8	88.0	86.0	81.2	78.3	75.5					124.2
950, FT/SEC	20000	83.1	89.4	90.0	92.0	92.9	91.8	91.6	87.0	85.2	79.8	76.1	72.6					123.7
	25000	86.8	87.0	86.9	90.3	91.1	93.4	89.3	86.1	83.4	77.0	72.8	70.4					122.6
	31500	86.8	86.8	86.9	87.8	89.6	88.9	87.5	83.2	81.6	75.6	69.4	67.3					121.7
	40000	84.1	84.1	84.9	85.2	87.1	85.6	84.6	79.4	80.3	73.2	66.0	64.2					120.3
OVERALL MEASURED																		
OVERALL CALCULATED		103.5	103.6	103.9	104.8	106.1	109.2	104.4	101.8	98.5	95.2	93.3	89.7					136.8
PNGD		117.2	116.5	117.1	117.6	119.0	118.3	117.3	115.0	111.8	108.9	107.8	103.7					

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 14

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 58 DAY 8 HR. 0:9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)											
	FREQ. (0)	10	20	30	40	50	60	70	80	90	100	110
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
50	35.2	42.1	46.1	49.3	50.0	50.2	51.8	51.9	51.3	52.4	51.3	
63	36.1	43.7	46.4	48.8	50.6	52.4	52.7	52.3	49.7	48.1	45.6	
SIDELINE 500 FT; (152.40 M)	39.6	46.1	49.2	51.0	51.9	52.4	53.7	53.6	53.5	52.4	50.2	
BFA 3084, RPM	33.9	46.8	50.6	52.7	53.1	53.6	52.7	50.7	49.6	47.5	46.2	
( 321, RAD/SEC)	45.0	49.2	53.1	56.1	57.0	57.8	56.9	54.4	53.1	49.7	48.4	
RFK 3086, RPM	35.9	44.8	50.9	53.4	53.9	54.7	52.9	53.4	51.0	49.1	45.4	
( 323, RAD/SEC)	36.0	45.9	51.4	54.8	55.1	55.4	55.5	53.8	52.9	50.3	47.3	
RFD 3244, RPM	35.7	46.9	53.5	57.7	58.4	57.7	56.9	55.4	54.5	51.7	48.4	
( 346, RAD/SEC)	47.0	48.2	52.3	56.8	60.3	61.1	59.9	58.6	57.3	52.9	50.6	
AIRFLCH RATIO	38.3	47.3	52.9	59.0	61.3	62.2	61.6	61.2	59.4	54.9	53.4	
WF/WM 12.60	37.3	48.5	52.8	57.3	57.3	63.7	60.6	63.1	57.6	54.6	50.8	
800	36.8	47.4	52.9	57.7	59.6	63.2	58.9	57.1	55.9	51.6	48.3	
VEHICLE UTHSIN	37.0	48.2	54.5	61.2	64.6	65.1	63.0	61.0	59.3	56.8	51.0	
1000	47.9	60.8	67.9	73.8	75.3	75.7	74.3	71.2	68.0	68.0	62.2	
GCNFIG	35.8	46.5	55.8	62.8	62.8	63.6	62.2	59.6	56.4	54.9	50.6	
LOC SCHENECTADY	34.4	47.2	55.9	61.1	63.7	65.0	63.7	60.7	58.2	54.9	51.6	
DATE 05-06-75	38.9	53.3	62.0	67.2	69.5	71.2	70.4	67.2	64.9	61.5	57.9	
SUN 2/14	34.5	49.5	59.6	62.7	65.7	67.0	66.2	61.9	59.5	56.7	54.1	
TAPE X00010	32.5	50.0	59.6	66.0	67.7	67.4	68.4	64.9	62.5	59.0	55.2	
RAN TIP SPEED	24.4	45.2	56.5	63.6	65.5	66.6	65.7	63.4	58.9	55.5	52.2	
950, FT/SEC	17.9	41.6	53.1	60.7	63.9	64.4	62.0	60.8	56.3	53.1	49.5	
6300	6.8	35.2	49.4	57.0	60.0	62.4	59.4	58.5	53.4	49.4	45.2	
8000		26.1	42.5	51.2	59.4	57.3	56.0	54.4	48.3	43.7	40.3	
10000		33.0	52.7	64.3	69.4	67.7	66.7	64.7	63.7	57.2	53.7	
OVERALL CALCULATED	52.0	63.9	71.2	76.7	78.7	79.0	78.3	75.6	72.8	70.9	66.5	
PNDB	58.8	73.2	82.0	88.0	90.1	91.4	90.3	87.5	84.7	81.2	77.7	

## Run 2/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 63 DAY 8 MR. 8:9

MODEL SOUND PRESSURE LEVELS (99. DB, F, 70 PERCENT REC. HUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
30	66.6	65.3	67.1	67.8	68.6	69.8	69.3	67.3	57.1	67.1	67.3	66.1	104.1
43	72.0	73.0	71.5	72.8	74.0	73.0	73.5	71.5	62.8	73.8	75.0	73.8	106.5
BARIAL 17, FT.	84.4	67.1	68.6	64.9	65.9	65.4	72.4	74.4	65.1	75.5	73.4	71.4	109.9
( 5, 4)	100	75.4	70.6	69.1	66.9	65.9	66.5	68.6	70.4	61.7	72.1	71.6	103.1
VEHICLE	125	77.9	77.7	76.2	73.7	74.7	73.4	71.9	73.2	62.4	71.2	70.4	108.1
UTWSIM	150	76.6	75.9	74.6	75.6	75.9	74.6	73.1	72.4	62.2	73.6	73.9	106.4
SCAFIS	200	76.8	76.5	77.5	76.0	76.2	75.7	75.2	76.0	64.2	72.0	70.2	107.8
LOC SCHEDULED	250	81.8	80.8	80.5	79.5	79.5	77.0	76.5	77.0	66.5	75.0	73.5	109.9
DATE 05-06-75	315	82.0	82.3	81.5	80.0	79.5	77.3	75.2	73.8	62.2	71.2	69.7	109.4
RUN 2/15	450	79.9	80.1	79.4	78.4	77.6	77.4	76.4	75.4	63.9	72.4	73.1	107.9
TYPE X00010	500	83.6	82.8	83.0	84.1	83.3	84.3	79.3	76.8	64.9	74.6	72.8	108.8
BAR 29.6 KG	630	82.2	84.2	83.7	82.7	82.0	80.3	78.7	77.7	64.7	72.2	70.7	112.7
199220, 1/42)	800	83.8	84.8	84.0	83.3	83.3	84.1	79.7	77.5	65.0	72.8	71.0	112.0
TYPE 521 DB F	1080	84.7	85.9	85.7	84.0	83.2	81.5	79.7	77.5	65.9	73.8	70.7	113.7
(284, DB K)	1250	84.0	85.0	85.2	84.1	83.6	82.3	81.7	79.9	67.5	75.0	72.8	113.3
TYPE 501 DB F	1500	82.6	83.9	82.8	82.7	82.2	81.7	81.1	79.2	66.1	74.4	71.1	114.8
(283, DB K)	2000	80.2	84.4	83.9	83.6	83.6	83.0	83.6	80.6	68.0	76.5	73.2	112.8
FACT 0, 04/43	2500	86.1	87.1	87.9	87.8	89.3	89.2	88.6	86.8	73.4	82.2	80.4	116.4
1, 04/43)	3150	97.2	99.4	100.1	99.1	100.6	102.3	101.3	100.1	86.4	94.8	91.9	119.7
BFA 12298, RPM	4060	85.0	87.5	87.1	87.1	88.1	88.0	87.8	85.9	72.2	80.0	75.6	118.6
(1278, RAD/SEC)	5000	87.6	90.1	89.6	90.1	91.3	91.5	91.3	88.6	74.6	81.7	79.1	121.7
SFK 10373, RPM	6390	94.8	95.8	96.2	96.4	97.4	97.4	95.4	95.5	80.6	87.9	84.6	127.8
(1086, RAD/SEC)	8000	92.0	102.0	99.9	101.1	99.3	97.0	97.7	94.9	80.7	85.3	84.9	125.1
KFD 1157, RPM	10000	95.1	98.9	99.3	100.0	100.9	99.7	97.8	95.8	80.4	86.4	84.4	129.4
(1200, RAD/SEC)	12500	93.1	95.1	95.5	97.7	98.0	98.3	96.3	93.8	79.5	86.0	82.1	130.4
SC: CP BLADES 18	16000	92.8	92.3	93.0	94.5	96.6	96.1	94.6	90.5	78.2	82.7	79.8	129.3
FAN TIP SPEED	20000	89.9	91.4	92.3	94.2	95.2	93.8	93.1	88.8	76.7	80.8	77.9	125.4
899, FT/SEC	25000	88.0	89.3	90.4	93.0	93.8	92.9	91.3	87.8	74.7	77.8	73.8	124.7
	31500	87.3	88.8	88.6	90.1	91.8	91.1	89.6	84.9	72.8	76.1	70.2	123.6
40000	85.1	85.8	87.6	87.5	88.4	87.9	87.4	85.2	71.3	73.0	75.0	68.3	122.1
OVERALL MEASURED													
OVERALL CALCULATED		104.4	107.8	106.7	107.4	107.9	107.6	106.6	104.5	90.7	96.2	95.2	93.0
PWB		106.7	108.8	109.0	107.9	109.3	120.0	119.2	117.7	104.2	112.4	109.6	107.1

Run 2/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE = MONTH 63 DAY 3 HR. 0:0

SPL INPUT AT STG	FREQ, Hz	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50, DEG, F, 20 PERCENT REL. HUM, DAY)												
		ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0° (0.17)	10° (0.35)	20° (0.52)	30° (0.70)	40° (0.87)	50° (1.05)	60° (1.22)	70° (1.40)	80° (1.57)	90° (1.75)	100° (1.92)	110° (2.10)	120° (2.29)
SIDELINE 5007 FT (152.40 M)	50	33.4	44.8	50.1	53.0	53.3	53.2	53.3	43.4	32.1	52.2	51.3	49.4	47.4
	63	43.3	47.2	50.1	53.1	54.4	53.1	56.7	45.3	53.2	51.3	49.4	47.4	45.4
	80	41.8	49.6	53.2	55.0	59.4	56.1	57.4	47.4	56.0	54.4	51.7	48.2	45.4
SFA 2901, RPM ( 304, RAD/SEC)	125	39.8	47.5	51.4	53.6	55.3	55.5	55.4	44.4	53.1	50.7	47.9	45.9	43.9
	160	41.6	50.5	56.6	56.9	56.9	58.2	56.6	45.1	55.0	53.1	50.6	48.5	46.5
BFA 2922, RPM ( 306, RAD/SEC)	200	42.2	50.7	54.9	57.3	57.6	57.4	57.3	44.8	52.9	50.8	48.5	46.5	44.5
	250	41.9	50.4	55.0	53.2	58.1	58.2	56.9	44.9	52.8	50.9	47.4	45.4	43.4
BFD 3244, RPM ( 340, RAD/SEC)	315	42.2	51.5	55.3	57.8	58.3	57.9	56.9	45.6	52.8	50.4	46.1	44.1	42.1
	400	41.3	50.3	54.9	57.8	59.3	59.7	58.8	45.9	55.6	52.2	48.1	46.1	44.1
AIRFLOW RATIO WF/AM 12.03	500	38.1	47.3	53.0	56.0	57.6	58.7	57.3	45.3	53.8	50.3	45.8	43.8	41.8
	630	40.2	51.5	57.6	63.0	65.0	65.9	65.1	52.3	61.3	57.3	54.3	52.3	50.3
	830	51.1	63.0	67.3	73.8	77.7	78.4	78.1	65.1	73.6	70.5	67.3	65.3	63.3
VEHICLE UTHS1H CONF10	1000	37.8	49.1	55.7	60.6	63.0	64.5	63.6	50.5	58.5	55.5	52.5	50.5	48.5
	1250	38.6	50.5	58.0	63.3	66.1	67.3	65.9	52.6	60.9	57.1	53.8	51.8	49.8
LCC SCHEMECTADY	1600	42.1	55.9	63.5	68.7	71.4	72.3	72.5	58.2	65.7	62.2	59.1	57.1	55.1
DATE 65-05-75	2000	46.7	58.4	67.3	69.9	70.5	73.0	71.5	57.9	65.7	62.1	61.6	59.6	57.6
RLN 2/15	2500	40.3	56.5	66.1	70.9	72.7	72.7	72.0	57.2	65.5	61.3	59.0	57.0	55.0
TAPE X06010	3150	32.4	50.7	61.8	67.1	70.5	70.6	69.4	55.8	62.5	58.4	55.7	53.7	51.7
FAN TIP SPEED	4000	23.5	45.3	56.7	64.2	67.2	67.9	65.2	53.7	58.5	55.3	51.5	49.0	47.0
	5000	19.2	43.0	55.5	62.3	64.5	66.1	63.2	52.0	56.4	53.1	49.0	47.0	45.0
899, FT/SEC	6300	6.7	36.2	51.1	58.5	51.5	62.7	60.8	48.6	51.5	47.7	44.7	42.7	40.7
	8000		26.8	43.2	52.9	57.0	58.7	55.8	44.7	48.3	42.1	39.1	37.1	35.1
	10000		14.6	33.7	44.4	49.8	53.0	49.3	40.4	42.4	38.0	33.0	31.0	29.0
OVERALL CALCULATED	10000	55.7	67.0	73.8	78.7	81.4	82.2	81.5	68.3	76.3	73.1	70.3	68.3	66.3
PNDB	10000	64.1	77.1	86.0	91.0	92.2	93.7	92.6	78.9	86.5	82.6	80.3	78.3	76.3

ORIGINAL PAGE IS  
OF POOR QUALITY

## Run 2/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROJ. DATE - MONTH DD DAY @ HR: @: @

MODEL SOUND PRESSURE LEVELS (59, DEG. 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	50	86.6	85.8	87.3	88.1	70.3	71.3	73.3	68.3	67.1	67.6	68.1	66.8	102.4
	63	71.0	71.9	70.3	72.0	74.0	73.0	71.8	70.9	72.0	72.8	73.0	73.3	106.4
RADIAL 17, FT.	80	64.1	66.9	66.4	65.4	65.6	67.9	72.1	74.1	74.9	75.6	73.4	71.6	106.3
( 5, 4)	100	72.6	72.9	71.4	69.4	67.9	68.9	71.4	73.1	74.1	75.1	74.6	72.9	105.6
VEHICLE UTHSIM	125	75.9	79.9	78.2	75.9	75.9	75.4	73.7	74.2	73.4	72.4	71.7	71.7	105.2
CONFIG	160	78.9	78.1	76.6	77.9	78.6	77.6	75.4	74.9	74.1	72.6	71.6	70.6	109.8
LCC SCHEMECTADY	200	79.5	80.5	80.0	78.2	75.5	77.7	76.7	77.8	76.9	74.0	72.2	70.0	110.2
DATE 05/06-75	250	85.5	84.8	83.7	82.7	82.2	80.2	79.7	80.0	79.7	79.2	78.2	74.0	113.8
RLN 2/16	315	85.8	86.0	85.0	83.5	83.9	81.0	79.0	77.3	75.2	73.2	73.0	71.2	113.3
TAPE X08010	400	84.1	84.4	83.4	81.9	81.1	80.2	78.6	78.1	75.1	74.1	73.4	69.6	112.1
BAR 29.6 HG	500	84.3	85.8	85.0	84.6	84.1	81.8	80.0	78.5	76.8	76.1	73.6	71.1	114.0
(99820, N/42)	630	87.2	83.2	87.9	87.5	86.7	84.8	82.9	81.4	78.9	76.2	73.7	71.4	116.6
TAMB 521 DEG F	800	89.0	89.8	88.7	89.3	88.9	87.3	85.2	82.5	79.8	78.0	75.0	71.8	118.3
(294, DEG K)	1000	88.7	90.2	90.9	90.7	90.2	88.0	85.9	83.8	80.9	79.9	76.0	72.4	119.6
TNET 501 DEG F	1250	91.0	91.5	90.5	89.8	89.3	87.3	84.7	82.4	80.0	78.0	74.3	71.3	119.9
(283, DEG K)	1600	92.4	92.6	90.3	88.0	86.9	84.7	82.6	80.2	77.4	76.7	73.4	70.4	117.5
NACT 3. 04/M3	2000	85.4	87.9	86.4	85.6	85.3	84.0	82.1	79.6	76.2	74.3	72.0	69.2	115.3
( 1, KG/M3)	2500	95.9	95.1	96.1	95.5	96.3	97.7	96.1	93.0	90.4	88.0	84.1	81.2	127.6
BFA 8927, RPM	3150	88.2	88.2	90.2	89.4	89.3	89.9	88.6	84.8	81.9	80.0	76.7	73.5	119.9
( 935, RAD/SEC)	4000	85.8	87.0	87.6	87.6	88.6	89.3	88.8	85.6	81.7	79.7	76.4	73.9	119.4
BPK 8992, RPM	5000	94.8	94.1	94.1	95.1	95.6	98.5	97.5	93.1	88.2	86.2	83.9	80.4	127.4
( 941, RAD/SEC)	6300	95.3	93.5	95.4	95.7	95.6	96.4	92.7	89.0	84.6	82.1	80.9	79.4	125.5
SFD 11517, RPM	8000	106.8	106.7	106.7	103.4	104.8	104.0	99.4	96.2	91.9	88.9	85.2	87.4	134.3
(1206, RAD/SEC)	10000	94.4	99.6	102.5	104.5	104.1	101.4	100.0	96.3	91.4	87.4	85.4	85.3	133.1
SC, CP BLADES 18	12500	93.6	95.1	96.3	93.5	99.2	98.3	95.1	93.5	85.0	82.9	81.9	81.1	129.7
FAN TIP SPEED	15000	92.1	93.3	94.3	95.8	97.8	97.4	96.3	92.3	88.5	82.7	80.5	78.3	126.6
779, FT/SEC	20000	89.9	91.9	93.5	95.0	96.9	96.1	95.3	91.0	86.0	81.3	78.9	75.5	127.5
	25000	87.5	89.5	90.9	93.9	94.6	93.7	92.3	88.8	83.9	76.3	73.0	71.6	125.5
	31500	87.3	88.8	89.4	90.6	92.3	92.1	90.3	85.4	81.6	74.4	69.4	67.8	124.3
	40000	84.6	86.6	87.4	88.0	89.4	88.6	88.1	81.9	79.8	76.7	65.5	64.4	122.9
OVERALL MEASURED														
OVERALL CALCULATED		106.1	109.4	110.0	109.4	110.0	109.3	107.1	103.6	99.6	96.1	94.0	92.4	140.8
PND8		117.7	121.1	121.5	119.3	120.0	119.4	117.0	113.7	110.7	108.5	105.5	103.9	

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 69 DAY 0 HR. 0:9

SPL INPUT AT STD	FREQ. (0.1)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
50		40.7	40.8	52.4	55.8	56.5	55.5	55.8	55.4	54.1	52.9	51.5					
63		42.3	49.7	52.4	55.3	56.4	56.6	58.4	57.1	55.2	53.3	50.6					
SIDELINE 5034 FT. (152.40 M)	80	45.8	52.8	56.5	59.8	58.6	59.4	60.4	60.6	63.3	57.1	54.4					
NFA 2514. RPM (263. RAD/SEC)	125	46.4	53.6	56.8	59.7	59.1	58.4	57.5	56.0	56.1	53.7	51.5					
NFK 2533. RPM (265. RAD/SEC)	200	44.0	51.5	54.9	57.1	58.0	57.8	58.2	55.7	54.8	51.9	49.7					
NFD 3244. RPM (340. RAD/SEC)	315	48.6	52.5	57.4	59.7	59.4	59.0	58.4	57.1	56.5	53.9	51.9					
AIRFLOW RATIO LF/WM 12.60	490	46.2	54.9	59.6	62.0	62.1	61.7	61.0	58.6	56.5	53.8	51.0					
VEHICLE UTHSIN CONFIG	500	46.9	55.1	61.0	63.5	64.4	63.7	61.9	59.6	58.1	54.9	51.1					
LOC SCHENECTADY DATE 05-06-75	630	46.5	56.7	62.0	64.8	64.8	64.1	62.9	60.6	59.3	55.6	51.6					
RLN 2/16 TAPE X00010	800	46.8	55.6	60.6	63.5	63.8	62.7	61.3	59.4	57.6	53.7	50.1					
PAN TIP SPEED 779. FT/SEC	1000	43.6	52.0	55.7	58.7	59.8	59.5	57.9	55.1	53.7	50.9	47.6					
OVERALL CALCULATED PNDB	1200	46.0	60.9	66.0	69.2	73.1	73.1	71.0	69.0	66.8	62.8	59.2					
	1600	38.4	52.1	57.9	61.8	64.5	65.2	62.5	60.2	58.5	55.0	51.2					
	2000	35.5	48.5	55.5	60.5	63.8	65.1	63.0	59.6	57.9	54.4	51.3					
	2500	40.4	53.7	62.1	67.1	72.5	72.8	69.9	65.9	64.0	61.4	57.3					
	3150	42.4	56.8	61.7	67.2	69.8	67.9	63.4	61.7	59.4	58.0	55.9					
	4000	48.0	63.7	68.6	74.7	76.9	74.3	72.2	68.6	65.5	64.9	63.4					
	5000	36.7	57.5	68.3	73.0	73.5	74.1	71.7	67.4	63.7	61.5	60.7					
	6300	25.9	48.2	60.3	66.6	70.0	71.3	69.4	65.7	60.4	58.0	55.5					
	8000	20.7	44.9	56.6	64.5	67.6	68.9	66.3	63.3	57.8	55.3	52.3					
	10000	8.7	38.7	53.4	61.0	64.2	66.1	63.4	61.3	54.9	52.2	47.9					
	12000		26.1	45.7	54.7	58.7	60.3	58.7	54.9	47.5	44.0	41.5					
	16000		15.5	35.5	47.0	52.7	54.5	51.9	49.3	42.5	37.2	34.2					
	20000		57.6	69.0	75.1	79.7	82.0	81.6	79.5	76.4	73.7	71.2	68.8				
	25000		66.9	81.9	88.5	93.7	96.0	95.2	93.0	89.5	86.3	84.6	82.3				

## Run 2/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 75 DAY 8 HR: 8:8

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (99. DEC. F. 75 PERCENT REL. HUM. DAY)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
	30	66.6	68.6	67.6	66.3	70.6	71.6	70.9	69.3	67.3	68.1	66.8	67.8					142.8
	63	70.8	71.8	70.5	72.3	74.0	72.5	71.8	69.5	71.8	72.8	75.0	73.3					146.2
RADIAL 17, FT.	90	63.6	56.6	66.1	63.8	64.1	67.4	71.9	73.1	73.1	74.1	71.6	70.9					135.1
( 3, 4)	100	73.4	73.1	71.4	68.9	67.4	63.1	70.1	71.6	72.6	72.9	73.1	71.4					135.1
VEHICLE UTHSIN	125	82.7	82.7	80.4	78.7	79.9	73.2	76.2	76.7	75.9	74.7	73.9	73.7					130.8
GENFIG	160	89.9	83.4	78.9	80.4	80.9	76.6	77.6	77.2	75.4	73.9	72.9	71.9					131.0
LCC SCHEVECTADY	200	82.8	84.3	83.0	81.7	81.5	81.0	83.5	80.8	79.3	77.0	74.5	72.7					133.4
DATE 25-06-75	250	85.3	88.8	87.5	86.2	85.5	83.7	82.7	82.5	82.7	81.3	79.3	76.5					128.9
BLA 2/17	315	93.0	91.0	89.7	83.2	87.7	85.0	83.0	81.5	80.5	79.5	77.2	75.5					127.8
TAPE X00030	450	87.9	86.4	87.1	86.9	85.9	84.7	83.1	81.6	79.4	78.4	75.6	73.1					126.9
EAR 29.6 HG	530	87.8	88.8	88.3	87.3	87.1	84.3	83.5	81.3	80.1	78.8	76.6	73.6					117.0
199520: 1/42	630	91.7	92.7	92.4	91.2	93.2	88.5	85.9	83.9	81.5	79.5	76.2	73.7					120.2
TAMB 521 DEG F	800	93.8	94.3	93.5	92.5	91.8	89.6	87.5	85.0	82.5	80.5	77.3	74.5					121.5
(234: DEG K)	1000	93.2	91.4	91.9	92.0	90.7	88.8	85.9	83.6	81.4	79.2	76.5	72.9					120.3
TNET 501 DEG F	1250	93.8	91.8	91.7	91.3	93.8	89.1	86.2	83.7	80.8	79.3	75.5	72.5					120.2
(283: DEG K)	1600	91.1	90.9	89.6	83.7	85.4	86.7	84.6	81.4	78.6	77.2	74.6	71.4					118.1
HACT 0. GM/MS	2000	88.9	90.2	89.2	88.1	83.1	86.8	84.1	81.3	77.7	76.3	73.7	71.5					117.7
(1 KG/MS)	2500	98.9	99.1	100.6	97.8	93.3	98.7	97.8	93.0	89.7	88.0	84.4	80.4					120.8
MFA 8925: RPM	3150	91.2	91.7	90.6	92.1	92.3	90.3	90.8	85.3	82.7	80.8	78.4	75.2					122.3
( 934: RAD/SEC)	4000	88.8	90.3	89.3	90.4	91.6	91.5	93.5	87.1	83.2	81.0	78.1	76.2					121.6
SFK 2990: RPM	5000	93.3	95.3	94.8	95.4	97.1	97.3	93.8	94.3	90.6	86.5	85.9	82.4					128.2
( 941: RAD/SEC)	6300	95.0	95.3	94.4	94.9	95.1	94.2	93.4	89.8	84.8	82.1	80.4	78.2					125.0
SFD 11517: RPM	8300	94.0	96.8	97.2	97.4	99.3	97.5	96.2	93.7	87.7	85.3	82.7	81.1					125.3
(1236: RAD/SEC)	10000	94.9	95.9	96.5	96.5	99.1	98.2	97.8	94.3	88.4	84.6	82.7	80.3					126.0
RC: CP BLADES 18	12500	92.9	93.9	94.3	96.2	97.7	97.5	96.8	93.8	88.0	83.2	81.4	79.4					126.0
FAN TIP SPEED	16000	93.3	92.1	93.3	94.0	95.8	96.1	94.3	89.5	84.7	80.0	78.3	76.0					126.1
779: FT/SEC	20000	93.6	91.6	92.5	94.2	95.7	94.6	93.6	87.5	83.0	78.8	75.4	73.3					125.8
	25000	93.0	93.8	91.7	93.8	95.1	93.9	91.8	87.1	80.2	73.0	71.0	70.1					125.5
	31500	90.3	91.6	91.1	92.1	93.8	92.6	90.5	84.2	76.3	71.6	67.7	67.0					125.1
	40000	89.1	90.1	90.4	90.7	91.6	90.6	88.9	81.7	77.0	68.5	64.0	64.2					124.7
OVERALL MEASURED																		
OVERALL CALCULATED		106.0	106.9	107.2	107.2	108.0	107.4	106.5	102.8	98.4	95.4	93.3	90.7					120.3
PNOB		119.1	119.7	120.2	118.8	119.2	118.9	118.3	114.8	111.2	108.8	106.5	103.6					

Run 2/Reading 17

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 75 DAY 0 HR: 0:0

SPL INPUT AT STU	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39, DEG. F, 20 PERCENT REL. HUM, DAY)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		0	10	20	30	40	50	60	70	80	90	100	110	120	130
		(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	90	42.9	49.1	54.9	58.0	59.3	57.7	55.0	56.7	55.3	54.2	52.8			
	63	46.1	52.7	55.9	55.3	59.6	60.4	51.4	60.6	53.2	55.6	53.4			
SIDELINE 500 FT	80	49.8	56.6	60.0	62.0	62.1	62.4	62.9	63.6	62.5	59.9	56.9			
(152.40 M)	100	51.4	58.3	61.6	64.0	63.1	62.4	61.7	61.2	60.4	55.0	55.7			
NFA 2514, RPM	125	49.0	55.2	59.9	61.8	62.3	62.3	61.7	59.9	59.1	56.2	53.2			
( 263, RAD/SEC)	100	47.6	55.5	59.9	62.7	62.4	62.5	61.1	60.4	55.3	56.9	53.4			
NFK 2532, RPM	250	50.7	59.4	63.4	65.5	65.3	64.7	63.5	61.6	59.7	56.3	53.3			
( 265, RAD/SEC)	250	51.4	59.9	64.3	66.7	66.6	66.0	64.4	62.4	60.6	57.2	53.9			
NFD 3244, RPM	315	47.7	57.7	63.3	65.3	65.5	64.1	62.7	61.1	59.0	56.1	52.1			
( 340, RAD/SEC)	400	47.0	56.8	62.1	65.0	65.5	64.2	62.6	60.2	58.6	54.9	51.4			
AIRFLCN RATIO	500	45.1	54.0	59.0	62.3	62.8	62.2	60.1	57.8	56.5	53.3	50.0			
WF/PM 12.00	630	43.3	52.9	57.9	61.5	62.6	61.5	59.6	56.6	55.6	52.6	49.8			
	800	50.8	63.4	67.0	71.2	74.1	74.8	71.0	66.3	66.8	63.0	58.5			
VEHICLE UTHSIM	1000	41.9	54.6	60.7	64.8	67.3	67.5	63.5	61.0	59.2	56.7	52.9			
GCNFIG	1250	38.8	51.3	58.3	63.5	66.1	66.8	64.5	61.1	59.2	56.1	53.6			
LCC SCHENECTADY	1600	41.6	54.5	62.4	65.3	71.2	74.5	71.7	68.4	64.2	63.4	59.3			
DATE 05-08-75	2000	39.1	52.8	61.0	65.7	67.5	68.7	66.2	61.9	59.4	57.5	54.6			
RUN 2/17	2500	38.0	54.2	62.6	69.2	70.4	71.0	69.7	64.4	62.0	59.4	57.1			
TAPE X00010	3150	33.0	51.5	62.3	68.0	70.2	71.9	69.7	64.4	61.0	58.8	55.7			
MAX TIP SPEED	4000	24.7	46.2	58.0	65.1	68.3	69.8	68.2	63.2	58.6	56.5	53.7			
779, FT/SQC	5000	19.4	43.6	54.9	62.5	66.4	66.9	63.5	59.5	55.1	53.1	50.0			
	6300	8.4	37.7	51.6	59.8	62.7	64.4	60.2	56.3	50.4	48.7	45.7			
	8000		28.9	46.3	55.2	58.9	59.8	57.0	51.1	44.3	42.0	40.0			
	10000		17.3	37.0	48.5	53.2	54.7	50.7	46.0	39.7	35.4	33.5			
OVERALL CALCULATED		60.0	69.5	74.7	78.8	80.7	81.7	79.3	76.1	73.8	71.2	67.9			
PN28		84.3	77.6	85.7	91.1	93.2	94.3	92.0	87.8	84.6	82.2	79.2			



## Run 2/Reading 18

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (90 PERCENT REL. NUM, DAY) PROC. DATE - MONTH 62 DAY 0 HR. 0:0

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PHL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.		
RADIAL 17. FT.	30	65.8	70.17	70.33	70.52	70.70	70.87	71.05	71.22	71.40	71.57	71.75	71.92	72.10	104.3
( 9. 1)	63	72.0	73.3	72.5	73.3	74.5	73.8	72.3	71.5	73.0	73.9	75.3	73.8	73.8	107.1
VEHICLE UTHSIN	130	75.4	75.6	73.4	71.1	69.5	69.9	72.1	73.5	74.6	75.4	75.4	73.9	73.9	106.6
CONFIS	123	84.7	84.7	82.4	80.3	81.7	80.4	77.9	76.2	77.9	76.4	75.9	75.9	75.9	107.4
LCC SCHEVECTADY	150	82.6	81.6	80.9	81.6	82.4	80.9	79.1	78.4	77.6	75.6	74.9	73.9	73.9	112.7
DATE 05-26-75	200	83.8	85.5	84.5	82.7	82.7	82.5	82.0	82.2	81.2	78.5	76.2	74.5	74.5	112.9
SUN 2/18	250	90.5	90.5	89.2	87.7	87.0	85.2	84.7	84.8	84.2	83.5	82.2	78.5	78.5	114.5
TAPE X00010	315	93.0	93.5	92.0	91.2	90.2	88.0	86.5	84.5	82.6	81.6	80.0	76.2	76.2	116.7
BAR 27.6 KG	450	91.1	91.4	90.1	89.2	88.6	88.2	86.4	84.5	82.6	81.6	79.1	75.1	75.1	120.3
(99823) N/Y2)	500	90.3	90.6	91.3	90.6	89.6	87.1	85.5	83.1	81.6	81.1	78.6	75.3	75.3	119.9
YAMB 521 DEG F	600	91.9	92.7	91.9	91.7	91.0	89.3	86.9	85.4	82.7	81.5	78.2	75.7	75.7	115.5
(284) DEG K)	1000	90.9	91.7	91.9	91.7	91.0	88.8	86.4	83.8	83.3	81.0	76.5	75.5	75.5	120.7
YMET 801 DEG F	1250	93.5	93.8	93.0	91.8	91.1	89.3	87.0	84.2	81.8	80.3	76.5	73.8	73.8	121.9
(283) DEG K)	1500	91.4	91.9	90.1	89.2	88.7	86.7	84.6	81.7	78.9	77.7	74.6	71.9	71.9	120.0
MACT C. 64743	2000	87.9	89.7	89.2	88.1	87.8	86.3	85.1	82.3	78.5	76.9	74.2	71.2	71.2	115.5
1. KG/H3)	2500	90.1	90.9	91.9	90.6	92.8	90.7	89.3	86.5	83.2	81.0	76.4	74.4	74.4	117.9
RFA 10311 RPA	3150	101.7	103.4	105.1	103.6	107.6	105.3	104.1	100.8	97.9	95.5	92.7	88.2	88.2	121.5
(1079) RAD/SEC)	4000	83.8	89.3	90.3	90.4	90.8	91.5	91.0	88.4	84.9	82.5	79.4	75.7	75.7	119.9
BPK 10376 RPA	5300	90.1	92.1	91.6	91.6	92.8	92.8	91.3	88.4	84.9	82.5	79.4	75.7	75.7	121.0
(1026) RAD/SEC)	6200	93.8	96.8	100.4	99.9	100.9	100.4	97.2	97.3	91.3	88.4	85.4	80.2	80.2	122.6
NFD 11517 RPA	8000	93.3	95.5	94.9	95.4	95.0	95.3	94.2	90.7	85.9	83.0	81.0	79.1	79.1	121.0
(1000) RAD/SEC)	10000	95.4	98.1	99.0	99.5	100.9	99.7	99.7	95.6	91.1	87.4	85.9	85.0	85.0	123.9
SC: OF BLADES 13	12500	93.9	93.4	96.3	98.0	100.0	99.5	98.1	94.8	90.3	85.2	83.6	81.6	81.6	130.8
FAN TIP SPEED	15000	91.6	92.8	94.3	95.3	97.8	95.9	97.3	92.0	88.7	83.0	81.8	78.8	78.8	129.8
899 FT/SEC	20000	93.4	91.9	93.5	95.2	95.7	98.8	96.3	91.0	87.5	80.8	79.4	76.0	76.0	128.7
	25000	89.0	90.8	92.2	94.6	95.3	95.4	94.3	90.1	84.7	80.8	75.0	72.4	72.4	127.7
	31500	89.8	90.6	90.9	92.3	94.1	94.1	92.3	86.7	83.1	76.4	71.9	69.5	69.5	126.9
	40000	86.6	88.6	89.1	90.2	91.9	91.6	92.6	83.7	81.8	72.7	66.0	56.2	56.2	126.1
OVERALL MEASURED															125.4
OVERALL CALCULATED		107.3	108.5	109.3	109.0	111.1	109.9	108.9	105.4	101.7	99.1	96.7	93.8	93.8	148.7
PNR		121.3	122.6	123.5	122.3	125.0	123.1	122.0	119.0	116.0	113.8	111.2	107.7	107.7	

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 18

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 01 DAY 0 HR. 00

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°
	50	44.2	51.1	56.1	59.5	58.8	59.2	58.3	58.9	57.1	56.2	54.8					
SIDELINE 5000 FT	63	47.3	54.2	58.9	59.6	61.1	61.9	63.4	62.3	59.7	57.3	55.1					
(152.40 M)	80	51.5	58.3	61.5	63.5	63.6	64.4	65.2	65.1	64.5	62.1	58.9					
RFA 2901, RPM	100	53.9	60.6	64.6	66.9	66.1	65.9	64.7	63.7	63.1	60.7	58.5					
(304, RAD/SEC)	125	51.0	58.2	62.1	64.6	66.0	65.6	64.7	63.2	62.3	59.7	56.2					
RFA 2923, RPM	140	47.4	53.8	63.1	65.2	64.7	64.7	62.9	61.9	61.5	58.9	55.1					
(306, RAD/SEC)	200	50.7	58.9	63.9	66.3	66.1	65.7	65.0	62.8	60.7	58.3	55.3					
RFA 3044, RPM	250	50.7	58.6	64.5	67.2	67.6	67.0	65.1	63.2	61.1	58.4	54.9					
(340, RAD/SEC)	315	49.0	57.7	63.0	65.6	65.5	64.6	62.9	61.1	59.5	55.6	52.1					
AIRFLOW RATIO	400	49.0	58.1	62.6	65.3	65.8	64.9	63.1	61.2	59.9	55.9	52.6					
VF/VM 12.00	500	46.1	54.5	59.5	62.5	62.8	62.2	60.3	58.2	57.0	53.6	50.5					
	600	44.0	52.5	60.4	66.2	66.5	66.7	64.9	62.1	60.1	57.3	52.8					
VEHICLE UTRASH	800	35.1	43.0	52.8	60.5	60.7	61.1	78.9	76.6	74.3	71.3	66.3					
CONFIG	1000	40.0	52.3	59.0	63.3	66.3	67.7	66.1	63.3	61.0	57.7	54.5					
LCC SCHEDULED	1200	40.5	52.6	59.5	64.8	66.3	67.6	65.7	61.4	59.9	57.1	53.8					
DATE 05-05-75	1400	45.1	60.2	67.0	72.2	74.4	75.0	74.2	68.9	62.2	66.0	63.1					
RUN 2/18	2000	39.5	50.4	61.5	65.6	68.5	69.5	67.2	63.1	60.4	55.4	51.6					
TAPE X00010	2500	39.5	56.2	64.9	70.9	72.7	75.0	71.7	68.0	65.0	62.8	61.2					
PAN TIP SPEED	3150	32.7	51.5	62.0	69.1	72.0	72.4	70.4	66.3	61.8	59.9	57.2					
899, FT/SEC	4000	23.7	46.5	57.4	65.5	70.0	71.1	68.7	64.2	59.7	57.3	53.5					
	5000	19.7	44.3	56.5	63.8	67.5	69.3	65.5	62.7	58.4	54.6	50.5					
	6000	8.2	38.0	52.8	60.1	64.3	65.7	63.1	58.6	52.0	49.0	45.4					
	8000		29.0	45.4	55.2	60.0	61.2	57.5	54.6	48.6	43.8	40.3					
	10000		16.6	36.5	47.9	53.5	56.2	51.5	50.9	42.2	37.0	34.0					
OVERALL CALCULATED		61.8	72.0	77.3	83.1	84.1	84.7	82.6	79.8	77.7	75.0	71.3					
PNU		66.8	80.0	87.2	93.0	95.1	96.3	93.6	90.8	87.2	84.7	82.1					

Run 2/Reading 19

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY)  
 PROC. DATE - MONTH 07 DAY 0 HR. 0:0

SPL INPUT AT STN	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	50	66.3	70.1	66.8	69.8	72.1	72.8	72.3	70.1	69.1	69.8	69.6	68.1	174.1
	63	72.5	73.8	72.8	73.8	73.3	74.9	73.0	72.5	73.3	74.0	73.0	74.0	167.5
RADIAL 17. FT.	80	85.4	86.6	86.9	85.8	84.2	88.9	78.6	74.1	75.1	76.1	73.9	72.1	106.7
( 5, 4)	100	76.4	76.4	74.6	72.1	70.1	70.5	72.9	74.4	75.4	76.1	75.9	74.8	158.1
VEHICLE UTMSIM	125	85.9	86.2	83.4	82.2	82.9	81.4	79.4	79.4	79.2	77.7	77.2	77.4	114.8
GCNF13	160	83.6	82.9	81.5	82.5	83.4	82.1	80.4	79.6	78.6	76.6	76.4	75.4	113.7
LCC SCHEVECTADY	200	85.5	87.3	86.2	84.7	84.7	84.0	83.7	83.4	82.7	80.2	78.0	76.2	118.6
DATE 45-06-75	250	92.0	91.5	90.7	89.2	88.5	88.7	89.2	88.0	85.7	84.7	83.0	80.0	120.1
SLN 2/19	315	93.5	94.5	93.2	92.2	91.2	89.0	87.0	85.0	83.7	83.2	80.7	79.2	121.5
TARE X00010	400	92.4	92.9	91.4	90.4	90.1	89.7	89.9	86.4	84.8	83.4	79.9	77.9	120.9
BA3 29.6 RB	500	91.1	92.1	91.5	91.1	91.3	88.6	86.3	84.3	83.2	81.8	79.8	77.1	122.4
199820, N/42)	630	92.4	93.4	92.7	92.2	91.7	89.8	87.7	86.4	83.5	81.2	79.2	76.9	121.5
TMB 521 DEG F	800	93.8	93.3	93.5	93.3	92.5	91.1	88.7	86.3	83.8	81.5	79.0	75.8	122.3
(284, DEG K)	1000	91.4	92.7	92.7	92.2	91.2	89.0	86.7	84.3	81.9	80.0	76.7	73.4	130.8
TNET 501 DEG F	1250	94.5	94.3	93.5	92.1	91.6	89.3	87.2	84.9	82.3	80.3	77.5	73.6	121.3
(283, DEG K)	1600	91.6	91.4	90.3	89.5	88.7	86.9	85.1	81.7	79.6	78.2	74.6	72.1	118.6
MACT 0. GY/M3	2000	87.7	89.9	89.2	88.6	88.1	86.8	85.4	82.3	79.0	78.0	74.7	72.2	118.1
KG/M3)	2500	89.4	89.6	90.1	89.3	91.0	91.0	89.1	85.8	82.2	79.7	77.9	73.2	120.7
SFA 1078, RPM	3150	104.9	105.4	105.1	104.5	103.1	100.5	100.6	101.6	99.9	95.8	94.7	88.2	130.9
(1139, RAD/SEC)	4000	90.8	92.3	92.3	92.9	94.3	93.8	93.3	90.1	86.7	83.7	81.9	78.9	124.3
SFK 10955, RPM	5000	90.6	92.3	91.8	91.9	92.3	91.8	91.9	88.6	84.6	82.9	79.6	77.7	122.7
(1147, RAD/SEC)	6300	101.3	100.0	101.2	100.9	100.4	100.7	99.2	96.8	92.1	86.1	85.9	84.4	131.1
SFD 11517, RPM	8000	94.0	94.5	94.9	95.1	95.3	95.0	92.9	90.9	85.7	83.0	80.4	78.1	125.4
(1206, RAD/SEC)	10000	96.6	96.4	96.5	101.0	103.9	99.9	98.0	95.3	91.1	88.8	85.4	83.3	125.4
RC: CF BLADES 18	12500	93.9	95.6	95.5	97.2	99.0	97.3	97.8	94.1	90.0	85.2	83.1	81.1	129.2
PAN TIP SPEED	15000	92.1	92.8	93.8	95.5	97.8	97.9	96.1	91.3	88.5	83.0	80.8	78.3	127.9
950, FT/SEC	20000	91.4	92.1	93.5	95.7	96.9	96.6	95.8	90.0	87.2	81.3	79.1	75.3	127.6
	25000	89.8	91.0	92.4	95.0	95.6	95.4	94.0	89.8	86.2	79.0	76.3	73.1	127.8
	31500	89.8	91.3	91.1	92.8	94.8	94.6	93.8	87.7	84.8	77.9	72.9	70.5	128.8
	40000	87.8	89.1	89.9	90.5	92.1	91.6	90.9	84.2	83.0	74.7	69.2	66.9	125.7
OVERALL MEASURED														
OVERALL CALCULATED		108.9	109.5	109.5	109.8	111.3	110.4	109.2	105.6	102.9	99.9	97.5	93.7	141.1
PNDB		123.2	124.0	123.7	123.4	125.4	124.1	123.0	119.6	116.9	114.0	112.5	107.8	

Run 2/Reading 19

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 07 DAY 3 HR. 0:9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG, F, 70 PERCENT REL; NUM, DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.	0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0
(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0)	(0)	(0)	(0)	(0)
50	45.4	51.5	57.1	60.5	61.0	60.5	61.5	59.9	58.1	57.7	56.5						
63	49.1	55.9	58.9	61.6	62.6	63.6	64.4	63.8	62.5	59.1	56.9						
80	52.6	59.8	63.0	65.0	65.1	65.9	66.4	66.6	65.8	63.9	60.4						
100	54.9	61.8	65.6	67.5	67.1	66.4	65.2	64.5	64.1	61.5	59.5						
125	52.5	59.5	63.4	66.1	67.5	67.1	66.4	64.9	64.1	60.4	57.9						
150	50.9	59.0	63.6	65.9	66.2	65.7	64.1	63.4	62.3	60.1	56.9						
200	51.5	59.7	64.4	67.0	67.1	66.4	65.0	63.6	61.5	59.3	56.5						
250	50.7	59.9	65.0	67.5	68.1	67.2	65.6	63.6	61.6	58.9	55.1						
315	49.0	58.5	63.5	65.8	65.5	64.9	63.4	61.6	59.8	56.4	52.6						
400	49.5	58.8	62.9	65.8	65.8	65.2	63.8	61.7	59.9	56.9	52.6						
500	45.8	54.8	59.4	62.5	63.1	62.7	60.3	58.8	57.5	53.8	50.8						
630	43.0	52.9	58.4	61.5	62.6	62.7	60.6	57.9	57.1	53.6	50.6						
800	41.3	52.9	58.5	64.0	64.4	64.1	63.8	60.8	58.5	56.5	51.2						
1000	55.7	67.1	73.2	80.5	81.5	82.2	79.3	77.2	74.2	73.0	65.9						
1250	40.8	53.3	60.5	66.3	68.3	69.6	67.5	64.6	61.9	59.9	56.3						
1600	38.6	51.5	58.9	63.6	65.7	67.3	65.4	62.2	60.2	57.1	54.6						
2000	43.9	59.5	67.0	70.9	74.0	74.4	73.2	69.2	67.4	63.0	60.9						
2500	35.8	52.0	60.4	65.2	67.9	67.8	67.0	62.4	60.0	57.2	54.1						
3150	35.5	53.5	64.8	69.6	72.0	72.1	70.7	67.2	63.0	61.5	56.7						
4000	28.4	47.5	59.0	66.3	70.0	70.8	68.4	65.2	60.6	58.3	55.5						
5000	20.2	44.1	56.4	64.5	68.1	68.6	65.3	63.3	58.1	56.6	52.3						
6300	6.9	38.7	53.1	61.0	64.7	66.6	62.4	60.3	54.9	52.4	48.7						
8000		29.6	47.2	55.7	60.4	62.1	59.7	57.1	50.3	47.2	43.0						
10000		17.3	37.7	49.5	55.2	57.0	54.2	52.3	48.0	40.7	37.0						
OVERALL CALCULATED	62.6	71.9	77.6	82.9	84.3	84.8	82.5	80.3	77.6	75.7	71.1						
PNBB	67.2	79.8	87.7	92.7	94.9	95.2	93.5	90.5	87.9	85.0	81.5						



ORIGINAL PAGE IS  
OF POOR QUALITY

Run 2/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 93 DAY 3 HR. 0:0

SPL INPUT AT STD	FREQ, (0, )	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99, DEG, F, 70 PERCENT REL, HUM, DAY)											
		10, (0,17)	20, (0,33)	30, (0,52)	40, (0,70)	50, (0,87)	60, (1,05)	70, (1,22)	80, (1,40)	90, (1,57)	100, (1,75)	110, (1,92)	120, (2,10)
		ANGLES FROM INLET IN DEGREE (AND RADIANS)											
		0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)	0, (0,0)
50	46,2	52,8	57,4	61,0	61,3	66,5	60,8	60,4	58,8	57,7	56,5		
63	50,1	57,2	59,6	62,3	63,9	63,9	65,7	64,6	62,2	60,1	57,9		
SIDELINE 500 FT	80	53,8	60,6	64,2	65,8	66,1	66,6	67,2	67,6	67,0	63,9	60,7	
(152.43 M)	100	56,1	63,1	66,6	68,5	68,1	67,6	68,2	65,7	65,1	63,2	60,7	
NFA 3225, RPM	120	54,0	61,2	65,1	67,6	69,0	68,3	68,2	66,7	65,8	62,9	59,9	
( 338, RAD/SEC)	140	52,4	60,5	65,1	67,2	67,4	67,5	66,6	65,1	64,5	62,9	59,9	
NFK 3249, RPM	200	52,5	60,7	65,1	68,5	68,8	68,9	68,8	66,6	65,5	64,1	61,5	
( 340, RAD/SEC)	250	51,4	60,6	65,8	68,5	68,6	68,7	67,1	64,6	62,6	59,7	56,4	
KFD 3244, RPM	315	49,2	58,7	64,0	66,1	66,3	65,1	63,7	61,9	60,3	57,1	53,3	
( 340, RAD/SEC)	400	49,3	58,6	63,1	66,3	68,8	66,2	65,1	62,7	61,6	58,2	53,6	
AIRFLOW RATIO	500	45,3	54,3	60,3	63,5	63,3	63,5	62,1	60,6	59,3	55,3	52,0	
WF/KM 12.60	630	43,6	52,9	59,9	63,0	63,6	66,2	65,4	62,4	60,9	57,4	54,1	
	800	42,6	52,4	58,7	62,7	63,1	66,8	65,5	62,0	60,9	57,5	53,7	
VEHICLE UTHS1H	1000	54,4	67,3	73,9	75,3	78,8	82,2	79,8	78,7	75,0	75,0	65,7	
CONFIG	1250	45,8	59,0	66,0	73,5	72,3	74,6	72,5	70,9	67,9	67,1	61,1	
LCC SCHENECTADY	1500	38,4	52,0	59,6	64,3	66,2	69,8	67,9	65,2	62,5	59,1	56,3	
DATE 03/08-73	2000	44,1	59,5	67,2	71,4	73,3	74,4	72,7	68,9	65,9	63,2	60,4	
RUN 2/20	2500	37,5	54,0	62,6	66,9	69,4	70,5	69,0	65,1	62,2	59,7	57,1	
TAPE X00010	3150	36,0	53,8	65,1	69,8	72,7	73,1	71,9	68,7	65,2	62,3	59,9	
PAN TIP SPEED	4000	25,9	47,2	59,5	66,1	69,0	69,3	68,2	65,2	60,6	58,0	55,2	
1000, FT/SEC	5000	20,4	44,6	56,9	64,2	67,4	67,9	65,0	63,3	58,3	55,3	52,5	
	6300	9,2	36,9	53,1	61,3	64,7	65,4	61,9	61,9	54,9	52,2	48,7	
	8000		29,9	47,2	56,5	60,4	61,3	59,2	56,1	50,8	46,2	43,0	
	10000		17,5	38,6	50,0	55,2	56,2	53,2	51,8	45,5	40,4	36,7	
OVERALL CALCULATED		63,3	72,7	78,5	82,3	83,9	85,3	83,5	81,8	79,0	77,7	73,1	
PND8		67,2	80,3	86,4	93,1	95,4	96,1	94,7	92,0	88,7	86,7	82,9	



Run 2/Reading 21

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 98 DAY 0 HR. 0:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)												
	FREQ. (Q)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
50	45.9	52.9	57.6	61.3	64.5	67.7	70.9	74.1	77.3	80.5	83.7	86.9	90.1
63	51.1	57.9	62.9	67.1	70.4	73.7	77.0	80.3	83.6	86.9	90.2	93.5	96.8
SIDELINE 500 FT	53.8	61.3	64.5	67.8	71.1	74.4	77.7	81.0	84.3	87.6	90.9	94.2	97.5
(152.43 M)	190	56.1	63.3	66.6	69.9	73.2	76.5	79.8	83.1	86.4	89.7	93.0	96.3
NFA 3259 RPM	125	54.8	62.2	65.9	69.6	73.3	77.0	80.7	84.4	88.1	91.8	95.5	99.2
( 344, RAD/SEC)	190	53.1	61.0	65.6	69.9	74.1	78.3	82.5	86.7	90.9	95.1	99.3	103.5
NFK 3313 RPM	200	53.5	61.9	66.1	70.0	73.8	77.6	81.4	85.2	89.0	92.8	96.6	100.4
( 347, RAD/SEC)	250	51.7	60.6	65.5	69.7	73.9	78.1	82.3	86.5	90.7	94.9	99.1	103.3
NFD 3244 RPM	315	49.2	58.7	63.8	68.3	72.8	77.3	81.8	86.3	90.8	95.3	99.8	104.3
( 340, RAD/SEC)	400	49.5	58.6	63.1	67.5	71.9	76.3	80.7	85.1	89.5	93.9	98.3	102.7
AIRFLOW RATIO	500	45.8	55.3	60.5	64.0	67.5	71.0	74.5	78.0	81.5	85.0	88.5	92.0
WE/WM 12.60	630	42.5	52.9	58.9	63.0	67.1	71.2	75.3	79.4	83.5	87.6	91.7	95.8
890	41.8	52.2	59.0	62.2	65.4	68.6	71.8	75.0	78.2	81.4	84.6	87.8	91.0
VEHICLE UTHSIN	1000	33.2	46.3	53.9	57.5	61.1	64.7	68.3	71.9	75.5	79.1	82.7	86.3
CONFIG	1200	48.3	61.8	69.8	72.5	75.2	77.9	80.6	83.3	86.0	88.7	91.4	94.1
LCC SCHENECTADY	1600	38.6	52.2	59.6	64.1	68.5	72.9	77.3	81.7	86.1	90.5	94.9	99.3
DATE 05-06-75	2000	43.6	57.8	65.7	70.4	74.1	77.8	81.5	85.2	88.9	92.6	96.3	100.0
RUN 2/21	2500	39.3	54.7	62.9	68.2	72.5	76.8	81.1	85.4	89.7	94.0	98.3	102.6
TAPE X5001Q	3150	36.0	53.3	63.3	69.5	72.0	74.4	76.8	79.2	81.6	84.0	86.4	88.8
PAN TIP SPEED	4000	25.7	47.2	58.5	63.3	67.8	72.4	77.0	81.6	86.2	90.8	95.4	100.0
1019, FT/SEC	5000	23.2	44.1	56.4	63.7	66.9	69.4	71.9	74.4	76.9	79.4	81.9	84.4
6300	9.4	38.9	53.1	61.2	63.7	64.9	61.7	60.8	54.4	51.7	48.4	45.1	41.8
8000	29.9	47.5	53.7	59.7	61.3	58.7	56.1	49.5	45.0	41.0	37.0	33.0	29.0
10000	17.5	37.7	49.5	54.4	55.5	52.7	51.3	45.2	39.0	36.0	33.0	30.0	27.0
OVERALL CALCULATED	63.5	72.9	78.8	82.0	83.6	85.0	84.4	81.5	78.8	76.1	72.5	68.9	65.3
PNDB	66.9	80.0	87.8	92.9	95.1	95.8	94.6	92.6	88.3	85.3	82.4	78.9	75.4



## Run 4/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 27 DAY 0 HR. -1.7  
59. DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT UTU	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																PHL
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	PHL
50	65.8	66.8	66.8	67.1	68.3	69.3	68.8	73.6	66.1	66.8	66.8	65.8					102.4
68	72.5	73.7	72.8	74.5	74.8	74.5	72.8	72.8	71.5	74.3	75.0	74.8					107.5
RADIAL 17. FT.	80	65.6	66.4	65.1	67.9	69.4	70.4	75.1	74.4	77.4	79.6	76.6	75.4				109.2
( 5. M)	100	67.1	67.6	66.4	65.4	63.4	65.1	67.6	71.1	70.6	72.1	70.9	69.4				103.2
VEHICLE UTWSIM	125	75.9	76.2	74.4	73.7	73.2	72.2	71.7	71.7	70.9	71.2	70.2	73.4				105.8
CCNFIG	160	76.4	75.1	74.4	75.6	75.9	74.4	72.1	71.6	70.4	69.6	68.9	68.9				106.1
LCC SCHENECTADY	200	76.2	78.0	78.2	77.7	76.5	76.7	76.0	74.2	74.0	71.7	69.2	68.0				108.3
DATE 5-28-75	250	84.0	83.5	83.0	81.7	81.7	81.7	80.0	80.3	77.7	79.5	78.7	74.0				113.0
RUN 4/5	315	66.8	67.2	66.5	65.2	63.7	61.8	60.7	77.2	79.0	78.0	76.7	74.7				114.7
TAPE XJ0020	400	83.7	83.6	83.4	83.7	82.9	81.4	79.4	75.4	75.4	74.1	71.9	70.6				112.7
BAR 29.8 HG	500	83.9	84.3	84.3	84.3	82.8	80.8	79.8	75.3	77.1	75.8	73.1	70.9				113.1
(20698. N/M2)	630	89.2	89.2	89.2	88.7	87.5	85.8	83.9	80.2	79.5	78.2	76.2	72.9				117.5
TAMB 57. DEG F	800	89.8	90.0	89.8	89.8	89.3	88.1	86.5	84.8	81.8	79.8	77.7	74.8				119.0
(287. DEG K)	1000	87.5	87.9	88.4	88.5	88.0	86.3	84.4	79.4	80.7	78.5	74.7	71.7				117.9
THET 51. DEG F	1250	87.1	87.5	88.2	88.3	88.1	86.8	84.7	80.8	80.8	79.0	75.0	71.5				117.7
(284. DEG K)	1600	87.5	87.1	86.3	87.7	85.9	84.4	83.1	78.9	79.1	77.4	73.9	70.1				119.9
HACT GM/M3	2000	89.8	89.3	88.2	90.1	89.8	89.3	88.4	82.9	84.7	82.8	79.5	73.5				120.0
( KG/M3)	2500	101.0	100.4	98.6	102.6	102.5	101.7	101.9	95.6	96.9	96.0	92.9	86.4				132.7
NFA 8748. RPM	3150	87.8	87.7	88.6	88.6	88.1	87.3	86.3	82.4	81.9	80.0	76.9	73.0				118.4
( 843. RAD/SEC)	4000	88.5	88.7	89.3	89.9	89.6	89.7	88.3	83.8	83.9	81.7	78.9	74.7				120.8
NFK 8064. RPM	5000	95.0	96.7	97.6	98.1	96.8	96.3	96.0	91.3	91.9	88.7	86.9	81.7				127.7
( 844. RAD/SEC)	6300	95.2	95.0	95.7	95.7	94.9	93.9	92.4	87.3	86.6	84.4	82.1	79.2				125.0
NFD 11517. RPM	8000	96.1	96.2	96.3	97.5	96.9	95.6	94.8	89.8	89.0	86.6	84.8	80.2				126.9
(1206. RAD/SEC)	11000	94.2	96.3	95.6	97.1	97.2	96.5	95.4	89.9	90.4	87.5	85.0	80.4				127.4
NO. OF BLADES 10	12500	92.5	92.6	92.8	94.2	94.5	94.3	93.6	87.8	88.8	86.2	82.9	78.1				125.2
FAN TIP SPEED	16000	90.4	90.1	90.5	91.8	92.3	91.9	90.1	86.0	86.5	82.9	78.8	75.3				123.0
7.3. FT/SEC	20000	88.9	88.9	89.2	91.7	91.1	90.3	89.0	85.9	84.4	80.0	77.6	72.5				122.3
	25000	87.7	87.8	88.7	91.3	91.3	88.9	87.5	85.6	81.9	77.3	75.3	70.4				121.9
	31500	86.4	86.4	87.6	89.3	88.6	88.4	86.3	84.9	80.8	77.1	73.4	68.3				121.6
	40000	84.7	84.6	86.6	87.5	87.3	85.9	85.1	84.6	80.5	75.2	71.7	65.7				121.5
OVERALL MEASURED																	
OVERALL CALCULATED		105.8	106.0	105.7	107.4	107.7	106.2	105.6	100.5	100.9	99.0	96.3	91.4				137.5
PND8		119.4	119.3	118.4	120.7	120.4	119.5	119.2	113.7	114.6	113.2	110.4	105.3				

Run 4/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 0 HR. -1.0

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F, 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		(0.0)	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.4)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)
	50		37.7	44.6	51.1	53.3	53.3	52.2	52.5	51.7	51.1	50.2	49.8				
	60		39.8	47.9	51.1	53.3	55.4	55.9	54.9	55.1	53.5	50.3	48.6				
SIDELINE 5.7 FTG	80		44.5	52.1	55.5	57.3	58.4	59.6	57.4	61.4	59.8	57.1	54.4				
(152.4 M)	100		47.6	55.1	58.6	61.1	59.9	60.1	57.5	59.7	58.9	56.7	55.0				
NFA 2267. RPM	125		43.3	51.5	56.6	58.8	59.3	58.6	55.4	55.9	54.8	52.4	50.7				
( 237. RAD/SEC)	160		43.1	51.8	56.9	58.4	58.4	58.7	55.1	57.4	56.3	53.4	50.6				
NFK 2271. RPM	200		47.2	56.2	61.9	62.8	63.1	62.7	59.8	59.6	58.5	56.3	52.5				
( 238. RAD/SEC)	250		47.2	56.4	61.5	64.2	65.1	64.5	61.1	61.6	59.8	56.9	54.1				
NFD 3244. RPM	315		44.2	54.2	59.8	62.6	63.0	62.6	58.5	60.4	58.3	54.4	50.8				
( 340. RAD/SEC)	400		42.8	53.3	59.6	62.3	63.3	62.7	58.9	61.2	58.6	54.4	50.4				
AIRFLOW RATIO	500		43.5	52.6	61.4	63.7	65.4	66.1	61.6	63.9	62.1	58.7	52.1				
WF/W 12.6	630		53.5	62.3	72.4	76.1	77.5	79.2	74.1	75.8	75.1	71.8	64.8				
	800		39.4	51.5	57.9	61.1	62.7	63.4	60.4	60.6	58.8	55.5	51.0				
VEHICLE UTNSIM	1000		39.1	51.3	58.5	62.1	64.2	65.0	61.5	62.3	61.3	57.2	52.5				
CONFIG	1250		45.3	58.6	66.1	68.8	73.8	72.3	68.7	69.9	66.9	64.9	59.1				
LCC SCHENECTADY	1600		41.3	55.4	62.7	66.2	67.9	68.3	64.2	64.2	62.2	59.7	56.1				
DATE 5-28-75	2000		46.2	54.7	63.6	67.5	69.1	70.1	64.3	66.2	64.0	62.0	56.7				
RUN 4/5	2500		37.7	52.8	62.5	67.3	69.5	70.3	66.1	67.3	64.6	61.9	56.6				
TAPE X00.20	3150		29.9	48.1	58.3	63.6	66.5	67.9	63.4	65.1	62.8	59.2	53.7				
FAN TIP SPEED	4000		21.3	42.8	53.9	61.1	63.0	63.4	60.7	62.0	58.5	55.3	50.0				
7 3. FT/SEC	5000		16.8	40.1	52.9	58.2	60.9	62.0	60.4	59.7	55.6	52.8	46.9				
	6300		5.2	34.5	49.1	55.1	57.8	59.0	58.7	55.9	51.5	49.2	43.4				
	8000			25.8	42.4	49.9	54.3	55.2	55.7	52.7	49.3	45.3	39.1				
	10000			14.1	33.7	43.2	47.8	51.7	52.4	49.6	44.7	40.8	33.5				
OVERALL CALCULATED			57.9	67.8	75.8	79.2	80.9	82.1	77.7	79.0	77.5	74.5	68.9				
PND8			64.1	76.1	85.1	89.3	91.4	92.2	88.5	89.3	87.1	84.1	78.7				

## Run 4/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 43 DAY 0 HR. -1.

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (..)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																		PNL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.		
	50	66.6	67.3	67.1	67.8	69.1	70.3	69.8	72.3	67.1	68.1	67.6	66.8						102.3	
	63	73.3	73.0	73.0	75.0	75.0	75.0	72.5	72.6	72.0	74.5	75.5	75.0						107.8	
RADIAL 7. FT.	80	66.6	67.9	66.6	69.1	70.4	70.6	70.6	77.9	77.9	80.1	77.4	76.1						110.1	
( 5. M)	100	67.4	67.9	67.1	65.6	63.9	65.4	67.9	75.0	70.9	71.9	70.6	69.4						103.2	
VEHICLE UTMSIM	125	76.9	76.9	75.4	73.7	73.4	72.2	70.9	72.2	71.7	70.9	70.2	71.4						105.9	
CCNF1G	160	77.9	76.4	75.4	76.1	76.6	75.1	73.4	74.1	71.9	70.9	70.6	71.6						107.4	
LGC SCHENECTADY	200	76.5	78.7	78.5	77.2	76.7	77.2	76.2	77.0	75.0	72.7	70.2	69.0						109.1	
DATE 5-28-75	250	84.5	84.0	83.2	82.0	81.5	80.7	81.0	81.2	80.2	79.5	77.0	74.5						114.0	
RUN 4/6	315	88.0	88.0	87.5	86.7	85.0	82.8	81.7	80.7	79.7	79.2	77.0	75.5						116.0	
TAPE X-20	400	84.9	84.6	84.4	84.4	82.6	81.9	80.6	79.1	76.4	75.4	72.9	71.9						113.6	
BAR 29.6 HG	500	85.1	85.3	85.0	84.8	83.6	81.8	80.3	79.6	78.3	77.1	74.3	71.8						114.2	
(00698. N/12)	630	88.8	89.0	88.9	88.5	86.0	84.4	83.5	80.7	78.7	76.5	74.2							118.0	
TAMB 87. DEG F	800	90.3	90.0	90.2	90.3	89.5	88.6	87.2	85.0	82.8	81.0	78.0	75.0						119.8	
(287. DEG K)	1000	88.3	88.4	88.7	89.0	88.5	87.8	86.2	84.4	81.7	80.2	76.0	73.4						118.7	
THET 91. DEG F	1250	88.4	89.0	89.7	89.6	89.1	88.3	86.5	85.0	82.8	81.0	76.8	72.8						119.4	
(264. DEG K)	1600	88.5	88.6	88.1	88.5	87.7	86.4	84.6	83.6	81.1	79.9	76.4	72.4						117.9	
WACT 0. GM/M3	2000	86.8	86.8	87.2	87.1	85.6	86.0	84.6	83.4	81.2	80.0	76.0	72.5						117.2	
(1. KG/M3)	2500	99.0	102.2	101.4	100.1	99.5	100.2	99.1	97.6	95.7	93.7	89.6	87.4						131.2	
NFA 8969. RPM	3150	91.8	94.2	94.1	93.1	92.6	92.8	92.1	90.4	87.9	86.5	82.2	79.2						124.0	
( 939. RAD/SEC)	4000	88.2	89.7	89.6	90.4	89.8	88.8	88.5	87.3	84.4	82.7	79.6	75.2						120.6	
NFK 8986. RPM	5000	95.2	95.7	97.3	97.6	97.3	96.5	96.0	94.3	92.1	89.7	87.6	83.4						128.0	
( 941. RAD/SEC)	6300	92.5	94.2	95.2	95.4	94.4	93.4	91.9	90.8	88.3	85.6	83.6	79.4						129.8	
NFD 11517. RPM	8000	95.9	97.7	97.8	98.5	97.9	97.1	96.3	94.8	92.3	89.4	87.5	82.7						128.7	
(1206. RAD/SEC)	10000	95.5	97.3	97.1	97.9	98.5	96.5	96.4	94.4	91.9	89.2	87.0	81.9						128.7	
NO. OF BLADES 13	12500	93.5	94.8	95.0	96.7	96.5	96.3	95.3	92.8	91.5	89.0	86.1	80.9						127.6	
FAN TIP SPEED	16000	92.4	92.6	92.8	94.3	94.3	94.6	92.6	91.3	89.7	87.2	84.3	79.3						129.9	
783. FT/SEC	20000	91.4	91.4	91.9	94.2	93.9	92.8	91.8	91.4	87.9	84.8	82.3	77.2						125.3	
	25000	89.9	89.8	90.9	93.3	92.6	91.7	90.5	88.5	85.7	82.5	79.3	74.4						124.6	
	31500	88.9	88.4	89.6	91.8	92.1	91.1	89.3	88.1	84.8	81.9	78.4	73.3						124.6	
	40000	87.6	86.9	89.1	90.0	89.6	89.1	87.6	87.1	84.3	79.7	75.2	70.4						124.3	
OVERALL MEASURED																				
OVERALL CALCULATED		115.6	107.2	107.2	117.5	107.2	106.7	109.7	104.1	101.9	99.8	96.7	93.0						138.4	
PND8		118.5	120.6	120.3	119.7	119.1	119.1	118.6	116.7	114.6	112.8	109.3	106.5							

Run 4/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 43 DAY 0 HR. -1.1

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
50	38.9	45.6	51.6	57.8	64.0	70.5	77.2	84.0	90.8	97.6	104.4	111.2	118.0	124.8	131.6	138.4
63	41.6	48.2	54.4	60.6	66.8	73.0	79.2	85.4	91.6	97.8	104.0	110.2	116.4	122.6	128.8	135.0
SIDELINE 5.0 FT	45.0	52.3	58.7	65.0	71.3	77.6	83.9	90.2	96.5	102.8	109.1	115.4	121.7	128.0	134.3	140.6
(152.4 M)	48.4	56.1	62.1	68.2	74.3	80.4	86.5	92.6	98.7	104.8	110.9	117.0	123.1	129.2	135.3	141.4
NFA 2926. RPM	44.3	52.5	57.4	62.3	67.2	72.1	77.0	81.9	86.8	91.7	96.6	101.5	106.4	111.3	116.2	121.1
(265. RAD/SEC)	44.1	52.5	57.4	62.3	67.2	72.1	77.0	81.9	86.8	91.7	96.6	101.5	106.4	111.3	116.2	121.1
NFK 2531. RPM	47.0	55.9	60.6	65.3	70.0	74.7	79.4	84.1	88.8	93.5	98.2	102.9	107.6	112.3	117.0	121.7
(265. RAD/SEC)	47.2	56.6	62.1	67.6	73.1	78.6	84.1	89.6	95.1	100.6	106.1	111.6	117.1	122.6	128.1	133.6
NFD 3244. RPM	44.7	54.5	60.3	66.1	71.9	77.7	83.5	89.3	95.1	100.9	106.7	112.5	118.3	124.1	129.9	135.7
(34. RAD/SEC)	44.3	54.8	60.4	66.0	71.6	77.2	82.8	88.4	94.0	99.6	105.2	110.8	116.4	122.0	127.6	133.2
AIRFLOW RATIO	42.9	52.5	58.8	65.1	71.4	77.7	84.0	90.3	96.6	102.9	109.2	115.5	121.8	128.1	134.4	140.7
WF/WP 12.61	39.8	50.9	56.9	62.9	68.9	74.9	80.9	86.9	92.9	98.9	104.9	110.9	116.9	122.9	128.9	134.9
8.0	53.9	64.2	69.2	74.2	79.2	84.2	89.2	94.2	99.2	104.2	109.2	114.2	119.2	124.2	129.2	134.2
VEHICLE UTHSIM	44.5	56.1	61.7	67.3	72.9	78.5	84.1	89.7	95.3	100.9	106.5	112.1	117.7	123.3	128.9	134.5
CONFIG	38.3	51.5	58.3	65.1	71.9	78.7	85.5	92.3	99.1	105.9	112.7	119.5	126.3	133.1	139.9	146.7
LCC SCHENECTADY	42.0	57.0	64.6	72.2	79.8	87.4	95.0	102.6	110.2	117.8	125.4	133.0	140.6	148.2	155.8	163.4
DATE 5-28-75	38.1	53.5	61.5	69.5	77.5	85.5	93.5	101.5	109.5	117.5	125.5	133.5	141.5	149.5	157.5	165.5
RUR 4/6	39.0	54.8	63.7	72.6	81.5	90.4	99.3	108.2	117.1	126.0	134.9	143.8	152.7	161.6	170.5	179.4
TAPE XCC-20	34.4	52.1	61.7	71.4	81.1	90.8	100.5	110.2	119.9	129.6	139.3	149.0	158.7	168.4	178.1	187.8
FAN TIP SPEED	25.7	47.0	58.5	69.9	81.3	92.7	104.1	115.5	126.9	138.3	149.7	161.1	172.5	183.9	195.3	206.7
783. FT/SEC	2.0	43.1	55.1	67.1	79.1	91.1	103.1	115.1	127.1	139.1	151.1	163.1	175.1	187.1	199.1	211.1
63.0	8.2	37.1	51.6	66.1	80.6	95.1	109.6	124.1	138.6	153.1	167.6	182.1	196.6	211.1	225.6	240.1
80.0	28.1	45.5	62.7	79.9	97.1	114.3	131.5	148.7	165.9	183.1	200.3	217.5	234.7	251.9	269.1	286.3
100.0	15.8	36.7	56.8	76.9	97.0	117.1	137.2	157.3	177.4	197.5	217.6	237.7	257.8	277.9	298.0	318.1
OVERALL CALCULATED	58.3	68.6	74.6	80.6	86.6	92.6	98.6	104.6	110.6	116.6	122.6	128.6	134.6	140.6	146.6	152.6
PNOB	64.6	77.4	85.7	94.0	102.3	110.6	118.9	127.2	135.5	143.8	152.1	160.4	168.7	177.0	185.3	193.6

## Run 4/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

 MODEL SOUND PRESSURE LEVELS (DB, DEG. F, 70 PERCENT REL. HUM. DAY)  
 PROC. DATE - MONTH 58 DAY (HR. -1.)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.		
	50	67.1	67.8	67.6	68.1	69.3	71.1	69.8	67.6	66.6	67.3	68.1	67.1						102.0
	63	74.7	73.8	74.	76.4	76.1	75.8	73.5	72.8	72.5	74.5	76.3	75.5						108.4
RADIAL 17. FT.	80	67.9	69.1	68.1	69.9	71.4	71.9	76.1	78.4	78.6	80.9	78.9	76.6						110.9
( 5. 4)	100	67.9	68.4	67.1	65.9	64.1	65.6	68.6	75.6	71.4	72.6	71.9	70.1						103.7
VEHICLE UTNSIM	125	77.7	77.7	75.9	74.2	74.2	72.7	71.2	71.2	72.2	71.7	71.9	72.7						106.5
CONFIG	160	77.9	76.9	75.6	77.4	76.9	75.6	73.4	73.6	73.1	72.9	72.6	72.6						108.8
LOC SCHENECTADY	200	78.5	81.1	79.7	78.7	78.5	78.5	78.9	78.7	77.2	74.7	72.5	71.0						110.8
DATE 5-28-75	250	85.2	85.2	84.2	83.2	82.2	81.7	81.7	81.7	81.0	80.9	78.7	75.5						114.9
RLK 4/7	315	89.5	89.2	89.	88.1	85.5	84.2	82.5	81.5	80.7	80.0	78.5	76.7						117.2
TAPE	400	86.4	86.1	85.4	85.4	84.9	83.9	82.6	81.1	78.6	77.6	75.6	74.1						115.4
BAR 29.8 HG	500	85.4	86.1	85.8	86.1	84.1	83.3	81.8	80.4	79.8	78.6	75.3	73.1						119.3
(COC698, N/42)	630	87.3	88.2	87.9	88.1	87.	86.1	84.2	83.4	80.7	80.0	77.7	74.4						117.6
TAMB 57. DEG F	800	89.1	89.3	89.1	89.3	89.	87.3	87.1	85.1	83.3	81.1	78.5	75.5						119.3
(207. DEG K)	1000	88.3	88.4	86.4	89.	86.7	86.1	86.9	85.4	82.9	81.7	77.7	74.7						119.2
THET 51. DEG F	1250	88.1	90.1	90.1	90.3	89.6	89.6	90.5	89.5	86.5	84.5	80.0	75.3						121.6
(203. DEG K)	1600	86.7	86.1	87.6	88.2	88.2	87.4	86.6	85.1	83.4	82.2	78.1	74.1						118.7
HACT 1. GM/MS	2000	87.8	89.	88.2	90.1	90.1	89.3	88.1	85.9	85.2	85.3	81.7	76.5						120.5
(1. KG/MS)	2500	91.2	92.4	92.6	93.8	92.8	92.5	91.8	91.1	87.9	87.5	84.4	80.4						123.9
NFA 1.34 .RPM	3150	104.8	105.2	106.1	108.1	105.1	104.3	102.8	104.1	100.9	100.8	97.7	93.7						136.8
(103. RAD/SEC)	4000	91.5	92.5	93.1	93.4	92.1	91.8	90.8	90.6	88.7	87.7	84.4	80.2						123.7
NFK 1 36 .RPM	5000	93.0	93.5	93.3	93.9	93.1	92.5	91.5	90.5	88.6	87.1	84.1	79.7						124.2
(165. RAD/SEC)	6300	99.2	100.7	99.9	99.9	99.4	100.4	98.7	97.7	94.3	93.9	91.6	86.7						131.0
NFD 11517. RPM	8000	94.6	95.7	95.3	95.7	95.1	94.6	93.6	92.1	90.0	88.6	86.5	81.4						126.2
(1206. RAD/SEC)	10000	98.7	98.8	98.1	99.9	99.1	98.0	97.1	95.1	92.9	92.9	89.5	83.9						129.9
NO. OF BLADES 18	12500	96.8	96.6	96.3	97.5	97.1	96.5	95.1	93.6	91.8	90.0	88.4	83.1						128.0
FAN TIP SPEED	16000	94.9	94.4	94.3	95.8	95.6	95.1	92.8	91.3	90.2	87.7	87.0	81.7						120.7
9.3. FT/SEC	20000	95.1	94.2	93.9	96.2	95.6	94.3	93.3	91.1	89.9	87.0	86.6	80.7						127.0
	25000	93.4	93.3	93.2	95.8	94.6	93.4	91.3	89.9	87.4	84.5	85.5	79.1						126.5
	31500	92.4	91.6	91.9	93.8	93.3	93.1	90.8	89.1	87.6	84.4	84.4	78.3						126.5
	40000	91.0	90.1	91.4	92.1	92.1	90.1	88.1	87.8	86.3	82.7	82.7	76.4						126.2
OVERALL MEASURED																			
OVERALL CALCULATED		108.8	109.2	109.4	110.9	109.2	108.6	107.1	107.1	104.4	103.6	101.1	96.7						140.8
PNDB		122.6	123.2	123.6	125.1	122.9	122.3	122.9	121.4	118.7	118.2	115.3	111.3						

Run 4/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 58 DAY 0 HR. -1.

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (3.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.						
		(0.)	(0.17)	(0.35)	(.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	39.4	45.8	51.9	54.1	54.5	53.5	54.5	54.4	54.3	53.9	53.5							
	63	41.8	49.4	52.9	55.3	57.1	57.9	59.4	58.3	56.0	53.6	51.6							
SIDELINE 500. FT	80	46.3	53.3	57.1	58.8	60.1	61.4	62.2	61.9	61.5	58.9	55.9							
(152.4 M)	100	49.6	57.6	61.3	62.7	62.1	61.9	61.7	61.5	61.9	59.2	57.0							
NFA 2912. RPM	125	45.8	53.5	58.4	61.8	61.8	61.2	59.2	58.3	56.2	54.2								
(305. RAD/SEC)	160	44.9	53.3	58.6	59.7	60.9	60.7	60.4	60.1	59.0	55.6	52.9							
KFK 2918. RPM	200	46.2	54.9	61.1	62.3	63.3	62.9	63.1	60.8	61.2	57.8	54.0							
(306. RAD/SEC)	250	46.4	55.4	61.1	64.1	64.9	65.5	64.4	63.1	61.1	58.4	54.9							
NFD 3244. RPM	315	44.7	54.2	61.3	63.3	64.8	65.1	64.6	62.6	61.5	57.4	53.8							
(340. RAD/SEC)	400	45.3	55.1	61.1	64.1	66.0	66.4	68.4	65.9	64.1	59.4	54.1							
AIRFLOW RATIO	500	41.4	52.1	58.5	62.1	63.6	64.2	63.7	62.6	61.5	57.3	52.8							
WF/W 12.6	630	45.2	56.3	63.6	66.2	68.3	69.2	69.5	66.8	66.6	63.3	58.8							
	800	56.9	69.1	77.3	78.1	79.7	79.6	82.2	79.6	79.6	76.3	71.8							
VEHICLE UTHS1M	1000	42.7	55.1	62.1	64.6	66.8	67.5	68.3	67.0	66.3	62.7	58.0							
CCNFIG	1250	42.1	54.3	61.8	65.1	67.1	67.8	67.9	66.6	65.2	62.1	57.1							
LCC SCHENECTADY	1600	47.1	59.7	67.1	71.7	74.4	74.5	74.1	71.9	71.7	69.2	63.6							
DATE 5-28-75	2000	39.7	53.7	61.9	65.7	68.1	68.9	68.6	67.2	66.0	63.7	58.0							
RUN 4/7	2500	41.2	55.3	65.2	69.1	71.0	72.1	71.3	69.8	69.6	66.4	60.1							
TAPE XC1720	3150	33.9	51.5	61.5	66.1	68.8	69.4	69.1	68.1	66.5	64.7	58.7							
FAN TIP SPEED	4000	25.6	46.5	57.9	63.2	66.2	66.1	66.1	65.7	63.5	62.5	56.0							
9 3. FT/SEC	5000	22.1	44.7	57.4	62.7	64.9	65.0	65.6	65.2	62.6	61.8	55.2							
	6300	17.7	39.1	53.8	59.3	62.3	62.7	62.9	61.4	58.7	59.5	52.2							
	8000		30.1	46.9	54.4	59.0	59.7	60.7	59.4	56.6	56.3	49.1							
OVERALL CALCULATED	10000		18.8	38.2	48.2	52.0	54.7	55.6	55.4	52.2	51.6	44.3							
PND8		61.1	71.3	79.1	81.9	82.9	83.1	84.4	82.3	81.8	78.9	74.1							
		66.8	79.8	88.3	91.1	92.4	94.1	94.7	92.4	91.6	88.9	83.8							

Run 4/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)  
 PROC. DATE - MONTH 71 DAY U HR. -1.7  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STN	0.	15.	27.	33.	41.	51.	61.	73.	80.	90.	100.	110.	120.	130.	140.	150.	PWL
FREQ. (..)	(.17)	(0.35)	(.52)	(.7)	(.87)	(1.15)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.63)	(2.81)	
RADIAL 7. FT.	53	66.6	67.6	67.6	68.1	69.3	70.6	69.3	67.3	66.1	67.1	67.6	67.1				101.7
( 5.4)	63	74.3	74.3	74.5	76.3	76.3	76.5	73.8	72.8	73.3	74.8	76.3	75.3				108.6
VEHICLE UTNSIM	80	67.9	69.6	68.4	71.1	71.9	71.9	76.4	78.4	78.9	81.1	78.9	76.9				111.1
CCNFIC	125	68.1	68.1	67.4	66.1	63.9	65.4	67.6	71.1	71.9	72.6	71.4	70.1				103.6
LCC SCHENECTADY	160	76.7	77.2	75.7	74.2	73.9	72.4	71.2	71.2	72.2	71.9	71.9	73.2				106.4
DATE 5-28-75	200	77.6	76.9	76.4	76.9	76.4	75.4	74.4	73.9	72.9	72.9	73.1	73.4				108.2
RUA 4/8	250	79.7	81.7	80.2	79.2	79.2	79.5	79.2	79.5	77.5	75.7	73.5	71.5				111.5
TAPE X00020	315	85.7	85.1	85.1	85.2	84.4	83.9	82.7	82.7	81.5	81.5	78.7	75.5				114.9
BAR 29.5 HG	400	88.7	88.5	87.5	86.5	84.5	82.3	81.7	81.7	79.7	79.5	77.2	75.7				115.9
(CC698. N/M2)	500	85.7	85.1	85.1	85.2	84.4	83.9	82.9	81.4	78.6	77.9	75.6	74.6				115.3
TAMB 55. DEG F	630	84.9	85.8	85.3	85.3	83.0	83.1	81.8	81.8	79.6	78.3	76.1	72.8				119.0
(286. DEG K)	800	86.8	87.5	87.2	87.7	86.7	85.5	83.7	82.7	80.0	79.7	76.7	74.2				116.7
TWET 49. DEG F	1000	88.8	87.8	87.7	88.5	86.7	87.6	86.3	84.5	82.0	81.7	77.5	74.5				118.5
(283. DEG K)	1250	88.8	88.2	88.9	89.1	89.2	87.5	85.9	84.7	82.7	81.7	77.5	73.7				119.1
HACT . GM/M3	1600	85.9	87.3	88.5	89.6	89.3	89.6	88.5	86.7	87.0	84.5	80.5	77.0				120.6
(. KG/M3)	2500	86.2	86.9	86.8	86.7	85.2	84.7	83.6	82.8	81.9	81.7	77.9	72.9				116.7
NFA 1.727. RPM	3150	86.3	87.8	89.9	91.4	91.1	88.6	86.9	85.2	84.2	81.8	77.7	73.2				120.1
(1123. RAD/SEC)	4000	92.3	91.9	91.6	92.3	91.5	91.2	89.6	88.0	86.9	86.2	81.9	78.4				122.5
NFK 1.769. RPM	5000	105.5	105.7	105.9	107.1	106.1	107.5	105.1	101.8	100.7	98.8	96.9	92.2				137.6
(1127. RAD/SEC)	6300	92.7	93.5	93.1	93.6	93.8	93.3	91.5	88.8	87.9	87.7	83.6	79.4				124.0
NFD 11517. RPM	8000	92.0	93.0	92.8	93.6	92.8	91.5	89.7	87.6	86.7	83.9	78.9					123.5
(1266. RAD/SEC)	10000	99.0	99.7	99.4	99.4	98.4	96.9	97.7	96.3	94.3	92.9	90.1	85.9				129.0
NO. OF BLADES 18	12500	93.4	94.2	93.5	94.5	93.6	92.6	91.3	89.1	88.0	87.1	84.5	80.4				126.5
FAN TIP SPEED	15000	97.5	98.1	97.9	98.4	98.1	96.7	94.9	93.6	91.4	89.7	88.7	83.6				128.4
936. FT/SEC	20000	95.5	95.6	95.5	96.7	95.2	94.8	93.1	91.3	90.3	88.2	87.1	81.9				126.5
OVERALL MEASURED	25000	93.6	93.4	93.3	94.1	93.2	92.9	91.1	89.3	88.2	86.2	84.5	80.3				124.9
OVERALL CALCULATED	31500	93.9	93.4	93.7	94.9	93.6	92.5	91.0	89.6	87.7	85.3	83.1	80.2				125.4
PND8	40000	92.7	92.6	92.7	94.7	93.1	91.2	89.5	88.1	85.9	83.3	83.2	77.9				124.9
	50000	91.4	91.6	91.4	92.1	92.1	90.6	88.8	86.6	85.6	82.9	81.7	76.3				124.7
	63000	89.7	89.1	90.6	91.7	91.1	89.1	87.1	85.3	84.5	81.0	81.0	74.9				124.6
		108.7	109.7	109.7	109.9	111.1	109.4	107.5	105.7	103.7	102.0	99.9	95.5				140.4

Run 4/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 71 DAY 0 HR. -1.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90 DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
FREQ. (0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)
50	39.4	46.6	51.4	54.7	54.3	54.2	54.8	54.2	54.3	54.4	54.3	54.3	54.3	54.3
63	42.8	49.9	53.4	56.1	58.1	59.1	62.1	58.6	56.2	54.6	52.1	52.1	52.1	52.1
SIDELINE 500 FT: 80	45.8	53.3	56.7	58.5	62.4	61.6	62.4	62.4	61.5	58.9	55.9	55.9	55.9	55.9
(152.43 M) 1.0	48.9	56.1	59.8	61.7	63.4	61.1	64.7	60.5	61.4	58.2	56.0	56.0	56.0	56.0
NFA 3021 RPM 125	44.8	53.2	56.1	61.3	61.5	62.1	61.4	59.2	58.6	56.2	54.7	54.7	54.7	54.7
(316. RAD/SEC) 160	44.6	52.8	57.9	59.4	60.7	62.7	62.6	59.9	58.8	56.4	52.6	52.6	52.6	52.6
NFK 3133 RPM 200	45.5	54.2	59.1	61.7	62.8	62.4	61.8	61.1	59.2	56.8	53.8	53.8	53.8	53.8
(318. RAD/SEC) 250	44.9	54.1	61.3	63.2	64.6	64.5	63.9	61.9	61.1	57.4	53.9	53.9	53.9	53.9
NFD 3244 RPM 315	44.5	54.7	61.3	63.8	64.3	64.1	63.8	62.4	61.8	57.1	52.8	52.8	52.8	52.8
(341. RAD/SEC) 400	42.5	53.6	61.4	63.5	66.1	66.4	65.4	66.4	64.1	59.9	55.9	55.9	55.9	55.9
AIRFLOW RATIO 5.0	41.1	51.3	57.7	59.7	60.8	61.2	61.5	61.1	61.2	57.1	51.5	51.5	51.5	51.5
WF/W 2.0 630	41.6	53.6	61.1	63.5	64.6	64.2	63.5	63.1	62.9	56.6	51.6	51.6	51.6	51.6
8.0	43.6	54.4	61.5	64.7	66.6	66.6	66.5	65.5	65.5	60.5	56.5	56.5	56.5	56.5
VEHICLE UTHSIM 1000	56.1	67.8	75.7	81.5	82.5	81.7	79.3	79.0	77.2	75.2	69.9	69.9	69.9	69.9
CONFIG 1250	42.1	54.1	61.5	65.8	67.8	66.7	66.7	65.9	65.2	61.6	56.8	56.8	56.8	56.8
LCC SCHENECTADY 1600	39.3	52.5	61.6	64.1	65.5	66.3	65.2	65.2	64.5	61.4	55.8	55.8	55.8	55.8
DATE 5-28-75 2.00	43.6	57.8	65.5	66.9	70.3	72.9	72.7	71.4	70.2	67.2	62.4	62.4	62.4	62.4
RUN 4/8 2500	35.5	50.6	59.7	63.5	65.5	66.1	66.1	64.7	64.1	61.3	56.5	56.5	56.5	56.5
TAPE X10020 3150	35.2	52.9	62.2	66.9	68.1	69.3	69.1	67.5	67.1	64.1	59.0	59.0	59.0	59.0
FAN TIP SPEED 4000	26.4	47.5	57.8	62.6	65.5	66.1	65.7	65.2	63.8	62.3	56.2	56.2	56.2	56.2
936. FT/SEC 5000	21.8	43.6	54.9	61.5	63.1	63.6	63.3	63.0	61.3	59.3	54.3	54.3	54.3	54.3
63.0 1.2	38.9	52.3	57.7	60.7	61.8	62.1	61.0	61.0	58.9	58.4	52.6	52.6	52.6	52.6
8.0 29.9	46.2	53.2	56.2	57.6	58.7	58.7	56.9	54.5	54.5	54.0	47.8	47.8	47.8	47.8
1000 17.5	37.7	46.5	51.2	53.0	53.1	53.1	53.3	51.0	49.4	42.7	42.7	42.7	42.7	42.7
OVERALL CALCULATED 59.1	76.1	77.6	82.1	83.8	83.5	82.7	81.4	79.9	77.5	72.6	72.6	72.6	72.6	72.6
PNDM 65.7	76.7	86.9	91.2	93.2	93.2	92.5	91.5	91.2	87.5	82.5	82.5	82.5	82.5	82.5



PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM., DAY) PROC. DATE - MONTH 83 DAY 0 HR. -1.7

SPL INPUT AT BTU

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PNL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.		0.
	50	67.1	67.8	67.3	67.6	69.3	70.3	69.3	67.1	66.1	67.1	67.3	67.1						101.6
	63	74.3	73.8	74.3	75.8	75.8	76.5	74.8	73.3	73.8	75.0	75.5	75.3						100.5
RADIAL 17. FT.	80	68.6	69.6	68.6	70.1	71.9	71.9	76.4	78.1	78.6	80.9	78.4	77.1						110.9
( 5. M)	100	67.1	66.6	66.4	64.6	63.2	64.6	67.1	69.4	70.3	71.6	70.6	69.4						102.6
VEHICLE UTNSIM	125	76.2	76.4	75.2	73.4	72.9	71.4	73.4	76.9	71.9	71.9	70.9	73.2						105.8
CONFIG	160	77.6	76.9	76.4	77.1	76.6	75.1	73.9	73.9	72.6	72.9	72.9	73.4						108.1
LOC SCHEMECTADY	200	80.0	81.7	82.5	81.2	81.2	80.2	80.5	80.5	80.0	78.0	75.2	72.7						112.4
DATE 5-28-75	250	84.7	84.7	83.7	82.5	81.5	81.2	81.5	81.7	80.7	79.7	77.5	75.0						114.4
RUN 4/9	315	86.3	86.2	85.2	85.1	82.7	81.3	80.2	80.0	78.5	78.2	75.7	74.7						114.3
TARE XG0020	400	83.2	83.6	83.1	83.4	82.9	82.9	81.1	80.1	77.6	77.4	75.1	74.1						113.5
BAR 29.8 HG	500	82.9	83.3	83.3	83.6	83.1	82.1	81.5	81.5	81.6	78.3	76.6	74.1						113.0
(6698, N/M2)	630	82.7	82.5	82.7	82.7	82.2	81.5	79.9	79.2	77.0	75.2	72.7	70.4						112.9
TAMB 55, DEG F	800	80.6	80.0	80.2	81.5	81.5	80.6	79.5	80.5	78.0	75.8	71.5	70.3						112.3
(286, DEG K)	1000	80.8	81.2	80.7	82.0	81.5	81.3	80.9	79.7	77.7	78.5	74.0	71.9						113.0
THET 49, DEG F	1250	85.9	85.5	82.5	83.1	82.3	83.6	84.7	86.7	82.5	79.8	77.3	75.8						116.4
(283, DEG K)	1600	84.0	83.9	83.3	83.5	82.4	81.9	81.6	82.6	79.9	81.2	77.1	72.6						114.4
MACT 1, GM/M3	2000	87.6	88.3	88.2	86.6	84.8	83.3	83.1	82.7	82.7	81.8	78.0	74.5						114.4
(, KG/M3)	2500	89.7	90.4	91.6	91.6	88.8	87.2	86.6	87.1	84.7	84.5	80.9	76.9						116.9
NFA 11022, RPM	3150	101.8	104.5	102.1	101.9	101.6	98.3	98.8	98.4	96.4	95.5	91.9	88.7						120.5
(1154, RAD/SEC)	4000	91.7	93.7	92.6	91.9	91.6	90.0	90.5	88.3	86.9	85.5	82.9	78.9						131.9
NFK 11065, RPM	5000	93.2	93.5	93.3	93.4	93.1	89.3	88.5	86.5	85.1	83.7	81.6	76.7						122.6
(1158, RAD/SEC)	6300	95.7	96.5	95.9	95.7	95.1	94.4	91.9	90.8	89.1	88.4	86.4	81.4						120.8
NFD 11517, RPM	8000	91.4	91.7	91.5	91.5	91.9	89.9	88.3	87.6	84.8	84.1	82.5	78.2						129.8
(1206, RAD/SEC)	10000	94.2	94.8	93.9	94.4	93.5	92.3	90.9	88.6	87.4	86.5	85.0	80.6						121.7
NO. OF BLADES 18	12500	92.5	92.6	91.6	92.2	91.7	90.5	89.1	87.1	86.0	84.2	83.6	78.6						124.3
FAN TIP SPEED	16000	91.4	90.9	90.7	90.5	91.1	89.4	87.3	84.8	84.0	82.2	81.5	77.0						122.7
962, FT/SEC	20000	90.9	90.4	89.9	91.7	91.4	89.0	87.0	85.4	83.9	81.8	81.1	77.0						121.5
	25000	90.2	89.8	88.9	90.3	89.3	87.4	85.8	84.4	82.4	79.5	79.0	74.6						121.7
	31500	89.2	87.9	88.1	88.6	88.6	87.1	84.8	82.9	82.1	79.1	77.4	74.3						121.1
	40000	87.0	86.4	87.6	87.2	86.9	85.1	83.6	82.1	81.5	77.7	75.0	72.9						121.2
OVERALL MEASURED		105.6	107.7	105.6	105.6	104.6	103.1	102.5	101.6	99.9	98.8	96.2	92.7						121.2
OVERALL CALCULATED		119.8	121.6	120.1	119.9	118.7	117.7	117.0	116.4	114.6	113.7	110.6	107.4						136.8

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 4/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 03 DAY 0 HR. -1.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.)	(0.17)	(0.35)	(.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.28)
50		39.4	46.6	51.6	53.8	54.0	54.3	54.8	53.9	54.3	54.2	54.3		
63		43.6	52.2	55.4	57.1	58.9	60.4	63.6	59.1	56.5	58.8	52.1		
SIDELINE 500 FT (152.45 M)	1.0	46.6	53.8	58.3	59.9	59.6	61.1	62.2	61.6	61.8	58.4	55.4		
NFA 3125 RPM (325. RAD/SEC)	160	43.3	51.2	56.4	58.8	60.8	60.3	67.2	58.2	58.1	55.7	54.2		
NFK 3117 RPM (326. RAD/SEC)	250	42.1	50.8	56.1	58.7	59.7	60.0	60.4	58.6	57.0	54.4	51.1		
NFD 3244 RPM (340. RAD/SEC)	400	37.5	46.5	53.3	56.1	58.0	59.1	58.8	57.4	58.3	55.6	51.1		
AIRFLOW RATIO	500	37.3	47.6	53.9	56.5	60.0	62.7	65.6	61.9	59.4	56.7	52.6		
WF/KM 12.60	630	38.1	47.8	53.8	56.3	58.1	59.2	59.5	59.1	59.5	56.3	51.3		
VEHICLE UTHSIM	800	42.1	54.4	61.7	61.7	62.6	63.6	65.1	63.3	63.3	59.5	55.0		
CGNFIG	1250	54.7	64.1	71.4	73.7	73.3	73.3	76.1	74.7	74.0	70.2	66.4		
LOC SCHENECTADY	1600	42.3	53.5	59.8	63.5	64.6	66.8	65.7	64.9	63.7	60.9	56.3		
DATE 5-28-75	2000	36.8	50.0	57.4	61.3	63.2	63.8	63.4	62.7	61.5	59.1	53.6		
RLM 4/9	2500	40.4	54.3	61.7	65.7	67.6	67.2	67.2	66.2	65.7	63.5	57.9		
TAPE X0020	3150	33.0	48.6	56.7	61.8	62.8	63.1	63.6	61.5	61.1	59.3	54.2		
FAN TIP SPEED	4000	31.9	48.9	58.2	62.4	64.3	65.3	64.7	63.5	62.8	61.1	58.0		
962. FT/SBC	5000	23.4	43.7	54.0	59.1	61.3	62.1	61.4	61.2	59.6	58.8	53.0		
	6300	18.3	40.4	51.4	56.7	59.6	59.9	58.8	58.8	57.3	56.3	51.0		
	8000	7.2	35.1	48.1	54.5	57.2	57.8	57.8	57.2	55.4	54.4	49.4		
	10000		26.1	42.5	49.5	52.4	53.1	54.3	53.4	50.8	50.0	44.5		
OVERALL CALCULATED			14.3	33.5	43.3	47.7	49.0	49.4	49.8	47.2	45.2	40.7		
PND8		57.3	67.0	73.2	76.0	77.1	78.5	78.9	77.6	76.8	73.7	69.7		
		63.4	75.2	82.5	86.0	88.0	88.6	88.8	87.6	86.7	84.4	79.6		

## Run 4/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH OR DAY G HR. -1.

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLE										ANGLE					PNL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.		150.
	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)	(2.8)	(2.97)	
	50	65.8	66.3	66.6	66.3	66.6	68.1	66.6	65.6	65.1	66.3	67.1	66.8					100.1
	63	74.3	73.5	74.5	76.5	75.5	75.5	73.3	72.3	73.2	74.6	73.8	75.0					106.2
RADIAL 17. FT.	80	66.9	69.1	67.9	71.1	71.6	71.9	79.6	77.6	77.6	81.4	78.4	77.1					110.9
( 5. M)	100	65.6	65.6	64.9	63.4	61.4	63.2	64.1	67.6	66.1	69.6	68.4	67.6					100.7
VEHICLE UTHSIM	125	74.7	74.9	73.9	72.7	71.4	70.2	69.9	69.7	71.2	71.4	70.9	72.9					105.0
CONFIG	160	76.9	76.1	75.4	76.1	75.9	74.4	73.4	73.9	72.1	72.1	73.4	73.6					107.6
LOC SCHENECTADY	200	80.0	81.7	83.2	81.5	81.1	80.5	81.5	87.2	77.0	74.5	71.5	70.0					112.6
DATE 09-28-75	250	81.2	80.7	80.2	79.7	78.2	77.7	77.7	78.7	77.2	76.7	74.7	72.5					111.1
RUN 4/1	315	82.3	82.2	82.0	81.0	79.7	77.5	77.5	76.7	75.2	74.5	72.7	72.0					110.7
TAPE X00 20	400	79.4	83.4	79.4	81.2	78.4	78.2	76.9	75.4	73.1	72.1	71.4	70.1					109.7
BAR 29.8 HG	500	74.9	74.8	74.0	73.8	72.1	72.1	71.5	75.8	70.6	69.1	66.6	65.6					104.5
(00698. N/M2)	630	71.5	72.5	71.9	72.1	71.5	72.8	71.9	71.7	71.0	69.7	66.7	65.9					104.3
TAMB 55. DEG F	800	72.3	73.5	72.7	76.8	75.5	77.6	76.7	79.5	78.8	77.3	72.8	71.0					110.4
(286. DEG K)	1000	80.3	81.4	82.9	81.7	81.2	81.9	81.7	78.9	76.4	75.5	73.7	70.4					112.7
TWET 48. DEG F	1250	84.4	84.8	85.7	85.1	84.3	85.1	84.0	81.7	79.3	78.1	75.0	71.3					115.7
(202. DEG K)	1600	83.2	84.1	83.6	82.2	81.9	80.2	79.6	80.8	78.9	77.9	73.4	70.9					113.3
HACT 1. GM/M3	2000	84.1	84.3	83.9	81.6	81.8	79.5	80.1	76.2	77.7	77.5	73.2	70.5					112.8
(1. KG/M3)	2500	86.7	89.9	87.1	87.3	85.5	85.2	84.1	84.3	82.2	81.5	77.6	73.7					117.4
NFA 11306 RPM	3150	97.8	98.7	98.6	98.6	96.3	95.3	93.8	92.4	93.2	91.5	88.2	84.5					120.0
(1184. RAD/SEC)	4000	91.5	91.2	91.1	91.4	89.3	87.0	86.3	85.3	84.7	83.7	80.6	76.2					119.9
NFK 1135 RPM	5000	87.2	88.5	86.1	86.4	85.6	84.8	82.5	81.3	80.1	78.7	77.4	72.4					116.4
(1188. RAD/SEC)	6300	91.5	92.5	90.4	91.4	91.4	89.4	86.9	85.6	84.8	83.4	81.6	77.9					120.9
NFD 11517 RPM	8000	88.4	88.9	87.5	88.7	87.1	86.1	84.3	82.7	80.8	81.4	78.5	74.2					117.9
(1206. RAD/SEC)	11000	91.5	91.8	89.1	89.9	89.7	87.5	86.4	84.4	82.9	82.3	80.5	76.1					119.8
NO. OF BLADES 18	12500	89.1	88.6	86.5	87.5	87.1	86.7	83.8	82.3	80.5	79.7	78.9	74.4					117.9
FAN TIP SPEED	16000	87.6	86.4	85.5	85.5	85.6	84.6	82.6	81.0	79.0	78.2	76.5	73.0					116.7
987. FT/SEC	20000	87.1	86.2	84.9	86.4	85.1	83.8	82.5	80.9	79.2	76.5	76.1	72.7					116.9
	25000	85.4	85.1	84.4	86.7	84.1	82.7	81.7	79.4	77.2	74.5	73.5	70.6					116.4
	31500	84.7	83.6	83.4	84.6	83.8	82.1	79.8	78.6	77.3	74.1	72.9	69.5					116.5
	40000	83.2	81.6	82.4	83.0	81.9	80.1	78.9	77.6	76.8	72.5	71.0	68.4					116.4
OVERALL MEASURED																		
OVERALL CALCULATED		111.9	102.2	101.8	112.1	101.4	99.5	98.1	96.9	96.4	94.6	92.5	89.3					132.0
PNDB		116.2	116.6	116.6	116.6	116.7	113.9	112.6	111.5	111.4	109.4	107.1	103.7					

Run 4/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 00 DAY 0 HR. -1.0

SPL INPUT AT STD	FREQ. (C.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89° DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.)	(0.17)	(0.35)	(.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.)	(2.)	(2.)	(2.)	(2.)
	50		38.7	45.6	50.6	53.0	53.3	53.5	54.8	53.4	53.6	54.7	54.5					
	63		43.6	52.9	55.6	56.8	59.1	61.4	67.9	58.1	55.7	52.6	50.6					
SIDELINE 500. FT	80		41.8	49.3	53.9	54.0	56.1	57.4	58.7	58.1	57.8	55.6	52.9					
(152.4 M)	100		42.6	50.6	54.3	55.2	55.6	56.4	56.2	56.0	55.4	53.5	52.2					
NFA 3185. RPM	125		43.2	47.5	53.1	54.3	56.2	58.1	55.4	53.7	52.8	51.9	50.2					
( 333. RAD/SEC)	160		33.6	41.5	46.4	47.7	49.7	50.5	52.6	50.9	49.5	46.9	45.4					
KFK 3197. RPM	200		35.5	38.9	44.1	46.8	50.1	50.7	51.7	51.1	49.2	46.8	45.5					
( 335. RAD/SEC)	250		30.7	39.1	48.5	51.5	54.6	55.2	58.9	58.6	57.3	52.7	50.4					
NFD 3244. RPM	315		37.7	48.7	53.7	54.8	58.5	59.9	58.1	56.1	55.3	52.6	49.6					
( 340. RAD/SEC)	400		41.2	50.8	55.9	58.5	61.5	61.9	60.6	58.4	57.6	54.4	50.1					
AIRFLOW RATIO	500		38.4	48.7	52.5	55.8	56.3	57.2	59.5	58.1	57.3	52.6	49.5					
WF/W 12.60	630		37.3	47.6	51.4	54.2	55.3	57.5	57.5	56.6	56.6	52.1	48.8					
	800		41.6	49.9	56.5	58.5	60.6	61.1	62.4	60.8	59.3	56.3	51.7					
VEHICLE UTNSIM	1000		48.2	60.6	67.2	71.8	70.3	70.9	70.1	71.5	69.0	66.5	62.2					
CCNFIG	1250		38.8	51.0	58.3	61.3	61.6	62.6	62.7	62.6	61.2	58.6	53.6					
LCC SCHENECTADY	1600		34.8	45.7	53.4	57.1	58.7	58.3	58.2	57.7	56.5	54.9	49.3					
DATE 5-28-75	2000		36.4	48.8	56.5	61.9	62.8	62.2	62.2	61.9	61.7	58.7	54.4					
RUN 4/1	2500		31.2	44.6	53.2	57.7	59.0	59.1	58.3	57.5	57.3	55.3	50.2					
TAPE X80020	3150		27.9	44.1	53.7	57.9	59.6	60.5	59.7	59.0	58.3	56.6	51.5					
FAN TIP SPEED	4000		19.4	38.5	49.3	54.3	56.8	58.8	56.7	55.7	55.1	54.0	48.7					
987. FT/SEC	5000		13.8	35.9	46.4	52.2	54.9	59.1	55.0	53.8	53.3	51.3	47.0					
	6300		3.0	30.1	43.8	49.2	51.9	52.8	53.3	52.5	50.1	49.4	45.1					
	8000			21.6	38.2	44.2	47.7	49.1	49.3	48.1	45.8	44.5	40.5					
	10000			9.5	29.5	36.5	42.7	44.0	45.1	45.0	42.2	40.7	36.0					
OVERALL CALCULATED			53.1	63.8	69.9	73.2	73.8	74.3	74.2	74.3	72.5	70.1	66.2					
PND8			58.5	71.4	76.8	82.6	83.7	84.3	84.1	83.9	82.3	80.2	75.6					



ORIGINAL PAGE IS  
OF POOR QUALITY

Run 4/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE -- MONTH 10 DAY 0 NR. -1.0

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F; 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)
	90	38.2	45.3	50.1	52.7	52.5	52.7	54.6	53.2	53.8	54.4	54.3					
SIDELINE 500 FT	83	42.6	51.7	54.6	56.1	58.4	60.1	60.4	56.8	54.5	51.8	50.6					
(152.40 M)	100	47.5	47.8	51.7	53.3	54.6	55.9	57.2	57.1	56.0	54.4	52.2					
RFA 3216. RPM	125	41.1	48.6	52.8	53.5	54.1	54.6	55.0	54.0	53.9	52.0	50.7					
( 337. RAD/SEC)	100	38.3	45.5	50.6	52.6	54.3	54.1	53.4	52.9	52.3	50.4	49.7					
RFR 3228. RPM	200	32.4	40.5	44.9	46.2	47.4	48.7	50.1	50.1	49.3	46.9	45.1					
( 338. RAD/SEC)	290	29.1	36.9	41.6	43.0	43.1	43.4	43.8	50.1	48.5	47.1	46.0					
NFD 3244. RPM	315	33.2	37.6	46.5	51.5	56.6	57.7	59.6	57.6	55.8	52.7	50.4					
( 340. RAD/SEC)	400	34.5	45.2	51.8	54.6	56.8	57.4	57.6	56.4	54.8	50.4	47.3					
AIRFLOW RATIO	500	37.5	47.3	53.6	56.3	56.8	57.2	58.4	57.4	56.9	51.9	46.9					
WF/W 12.60	630	36.6	45.5	52.0	55.3	55.6	54.0	57.0	55.6	53.3	48.8	45.3					
VEHICLE UTNSIM	800	36.1	46.4	49.9	54.2	53.6	55.5	55.3	53.9	53.6	49.9	46.8					
CONFIG	1000	39.1	47.9	54.0	55.5	58.1	59.8	59.1	58.5	57.3	52.0	49.5					
LOC SCHENECTADY	1250	47.2	55.3	63.9	67.0	64.3	67.2	69.6	68.0	67.0	63.2	57.7					
DATE 5-28-75	1600	38.8	48.5	56.3	59.8	58.9	60.3	61.7	60.6	59.7	56.6	51.1					
RUN 4/11	2000	32.0	43.2	50.9	54.1	56.0	55.3	55.9	55.7	53.7	52.1	46.8					
TAPE X00020	2500	33.6	46.3	53.5	56.9	59.0	59.4	58.7	57.9	57.4	56.2	50.4					
FAN TIP SPEED	3150	28.5	42.3	51.7	54.5	56.5	56.9	56.1	55.5	54.6	52.8	48.2					
997. FT/SEC	4000	25.4	41.9	51.7	54.6	56.1	57.7	56.7	56.3	55.6	54.4	49.3					
PNDB	5000	17.7	36.5	47.0	51.8	54.5	54.6	54.2	53.4	52.6	51.0	46.5					
	6300	11.8	33.6	43.9	49.5	52.4	52.6	52.5	51.3	50.6	49.6	45.3					
	8000	7.7	28.1	41.1	47.0	49.2	50.8	51.1	49.7	47.6	47.1	42.9					
	10000	19.6	35.5	42.0	45.4	46.6	47.3	46.4	43.5	42.7	38.5						
OVERALL CALCULATED	10000	7.3	26.5	35.8	40.4	41.5	43.6	42.3	40.0	37.7	34.2						
		51.7	60.5	67.3	70.3	70.2	71.7	72.9	71.6	70.6	67.6	63.7					
		56.8	67.8	76.1	79.6	80.6	81.7	82.4	81.2	80.1	77.9	73.2					

## Run 4/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 39 DAY 0 HR. -1.

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														PWL			
		0.	11.	21.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.		0.	0.	0.
	50	65.3	65.6	65.8	65.8	66.0	66.8	65.6	64.8	64.8	66.2	66.8	66.3						99.6
	63	74.3	73.3	74.3	75.8	75.3	75.3	73.3	72.8	73.3	75.0	75.8	75.0						108.2
RADIAL 17. FT.	80	67.4	69.1	67.1	69.4	72.1	72.4	76.4	78.6	78.1	81.1	77.9	76.9						110.6
VEHICLE (5. M) UTMSIM	100	64.6	64.4	63.9	62.2	61.7	62.7	64.6	66.6	67.1	67.9	66.9	66.4						99.3
CONFIG	125	74.2	74.2	73.2	71.4	71.7	69.7	69.2	69.4	71.2	69.9	70.9	72.2						104.5
LOC SCHENECTADY	160	75.9	74.6	74.1	74.9	74.6	72.9	72.4	72.4	71.6	72.1	72.9	73.1						106.7
DATE 5-28-75	200	77.7	79.0	80.2	79.0	78.5	79.0	79.2	78.5	74.5	72.5	70.7	69.7						110.5
RUN 4/12	250	79.0	78.2	77.2	76.7	75.7	75.0	75.5	75.7	74.5	74.7	73.0	71.5						108.6
TAPE X00020	315	78.8	79.2	78.5	78.1	78.1	74.3	74.0	73.5	72.8	72.0	70.9	69.5						107.8
BAR 29.8 HG	400	76.7	76.1	75.4	74.9	74.9	74.2	73.1	72.6	71.6	71.6	69.4	68.9						106.3
(00698, N/M2)	500	72.6	72.6	71.8	71.6	69.8	69.3	69.5	70.3	69.3	68.8	66.3	64.6						102.8
TAMB 54. DEG F	630	72.3	71.5	69.7	69.2	71.0	70.5	70.7	71.5	69.7	68.0	66.5	66.7						103.1
(285, DEG K)	800	74.8	76.0	71.7	75.3	76.0	79.3	79.5	78.0	77.5	76.8	72.8	72.5						110.4
TNET 48, DEG F	1000	76.5	78.4	79.2	81.3	81.5	80.3	78.9	77.9	75.9	74.5	71.0	68.7						111.2
(282, DEG K)	1250	78.9	81.3	80.5	80.1	79.3	79.1	79.5	79.2	77.8	75.5	72.0	68.3						111.9
HACT 0. GM/M3	1600	84.5	84.6	83.3	82.5	79.9	77.9	80.1	77.8	75.7	72.4	68.4							112.3
(1, KG/M3)	2000	83.8	84.8	82.7	82.1	82.8	83.0	79.6	77.2	75.7	73.5	70.5	67.7						112.9
NFA 11519, RPM	2500	83.5	86.4	84.6	83.6	81.5	82.2	81.3	79.8	78.7	77.2	73.6	70.4						114.0
(1216, RAD/SEC)	3150	93.8	94.2	91.1	93.6	93.6	90.5	88.6	88.4	87.9	87.0	85.2	79.0						123.2
NFK 11575, RPM	4000	88.5	89.2	86.3	88.1	88.1	85.3	83.5	83.1	81.9	81.2	79.4	73.9						117.8
(1212, RAD/SEC)	5000	84.0	85.2	82.8	82.9	82.3	81.5	78.5	78.3	76.6	75.7	73.6	69.2						113.0
NFD 11517, RPM	6300	87.0	87.7	86.4	86.4	84.4	84.7	81.9	80.8	79.6	78.4	76.9	72.4						116.8
(1206, RAD/SEC)	8000	85.1	85.7	84.5	85.2	83.9	82.6	81.3	78.6	77.5	76.4	75.0	71.4						114.6
NO. OF BLADES 18	10000	86.7	86.6	84.9	85.6	85.0	83.3	82.6	79.9	78.2	77.2	76.8	71.9						119.6
FAN TIP SPEED 1006. FT/SEC	12500	85.5	85.1	83.8	84.2	83.5	82.8	80.3	78.8	76.5	75.5	74.4	70.9						114.5
OVERALL MEASURED	16000	84.1	82.9	82.0	82.3	81.8	81.4	79.1	77.3	75.2	74.0	73.3	69.5						113.2
OVERALL CALCULATED	20000	83.6	81.7	81.4	82.7	81.6	80.3	79.5	77.1	74.7	72.3	72.1	69.0						113.2
	25000	82.2	81.1	80.4	82.0	81.6	79.7	77.3	76.1	73.9	73.3	69.8	67.9						112.9
	31500	80.9	79.6	79.4	81.3	81.1	78.9	76.5	75.6	73.6	71.1	68.7	66.5						112.8
	40000	79.5	77.4	78.6	78.7	78.1	76.6	74.6	73.6	72.0	69.0	66.7	65.7						112.4
		98.5	98.9	97.0	98.1	97.5	95.9	94.4	93.5	92.4	91.5	89.8	86.3						120.3
	PWB	112.8	113.5	111.1	112.5	112.1	110.2	108.6	108.0	107.3	106.3	104.4	99.7						

Run 4/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 39 DAY 0 HR. -1.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. FT. 70 PERCENT REL. HUM. DAY)												
	FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.17)	(0.35)	(.52)	(0.71)	(.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.28)
	(0.0)	(0.17)	(0.35)	(0.52)	(0.71)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
50	37.2	44.3	49.4	51.8	51.8	52.5	53.3	52.9	53.6	54.2	54.0		
63	40.8	49.9	53.1	55.3	57.6	59.1	59.1	55.6	53.7	51.8	50.4		
80	39.3	46.3	51.5	52.3	53.4	55.1	56.2	55.4	55.8	53.9	51.9		
SIDELINE 500 FT (152.42 M)	100	39.6	47.1	51.3	52.2	52.4	53.4	53.7	52.7	52.9	51.5	49.7	
NFA 3245 RPM (34. RAD/SEC)	100	35.8	43.5	47.9	51.8	52.0	52.3	52.7	52.2	51.3	49.9	48.9	
NFK 326 RPM (34.1 RAD/SEC)	200	29.5	36.7	41.4	45.3	47.8	49.4	51.1	49.8	48.2	46.6	46.3	
NFD 3244 RPM (34. RAD/SEC)	319	33.2	38.1	47.7	51.1	56.4	58.0	57.4	57.4	56.8	52.7	49.9	
AIRFLOW RATIO WF/WM = 2.63	633	34.7	45.0	52.3	55.1	57.0	57.1	57.1	55.6	54.3	50.6	47.8	
VEHICLE UTNSIM	1000	36.5	45.6	50.9	53.5	55.5	57.4	58.1	57.2	55.1	51.4	47.3	
CONFIG	1250	38.9	47.8	52.8	53.8	54.1	57.7	56.5	56.8	55.0	51.6	47.0	
LOC SCHENECTADY	1600	37.8	46.4	51.9	56.2	58.8	57.7	55.5	54.6	52.6	49.4	46.1	
DATE 5-28-75	2000	38.1	47.4	52.7	54.5	57.6	58.3	57.9	57.3	56.0	52.3	48.5	
RUN 4/12	2500	44.5	53.1	62.2	65.0	65.5	65.2	66.1	66.2	65.5	63.5	56.7	
TAPE X00020	3150	37.8	47.3	56.0	61.0	59.8	59.8	60.4	59.9	59.4	57.4	51.3	
FAN TIP SPEED	4000	31.5	42.5	49.9	53.6	55.5	54.3	55.2	54.2	53.5	51.1	46.1	
106 FT/SBC	5000	31.6	44.8	52.5	54.9	58.0	57.2	57.2	56.7	55.7	54.1	48.9	
6300	27.0	41.6	50.5	53.8	55.5	56.1	54.6	54.2	53.3	51.8	47.5		
8000	23.7	39.9	49.4	53.9	55.3	56.7	55.0	54.3	53.6	52.9	47.3		
10000	15.9	35.7	46.0	51.8	53.5	53.3	53.2	51.7	51.9	49.5	45.2		
OVERALL CALCULATED	1.000	17.3	32.4	43.1	48.5	51.6	51.6	51.3	50.0	49.1	48.1	43.5	
PNDB	50.3	59.1	66.1	69.5	70.4	70.4	70.9	70.4	69.5	67.4	63.1		
	55.1	66.3	74.9	79.7	80.1	80.9	81.3	79.8	78.8	76.8	72.0		



## Run 4/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F., 79 PERCENT REL. HUM. DAY) PROC. DATE - MONTH 55 DAY 0 HR. -1.

SPL INPUT AT 8TD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	50	65.6	65.8	65.3	66.1	66.6	67.1	67.6	64.8	65.6	66.3	67.6	67.3	99.9
	63	73.8	73.3	74.	75.5	75.7	75.5	73.3	72.3	73.0	75.3	76.3	75.5	108.3
RADIAL 7. FT.	80	67.1	69.4	67.6	69.6	72.1	72.1	76.1	78.6	77.9	80.1	77.6	77.1	110.5
( 5. 4)	100	64.1	64.6	63.9	61.9	61.7	62.4	64.6	66.9	67.6	68.1	67.6	66.6	99.8
VEHICLE UTHSIM	125	73.4	74.2	73.2	71.9	71.7	69.4	69.2	69.7	71.2	70.4	70.9	72.7	104.7
CCNF IG	160	76.1	74.6	74.1	74.9	74.6	73.1	71.9	72.9	72.1	73.6	73.9		106.9
LCC SCHENECTADY	200	77.7	78.5	80.2	79.2	78.7	79.7	79.5	79.7	74.5	73.2	71.2	71.5	110.9
DATE 05-28-75	250	78.2	77.5	76.7	76.7	74.7	74.3	74.5	74.7	74.2	74.0	72.5	71.2	107.9
RUN 4/13	315	77.8	78.	77.7	76.7	75.1	73.6	73.0	73.0	71.7	71.5	70.1	69.0	107.0
TAPE X0. 20	400	75.2	74.1	73.4	73.2	72.6	72.7	72.4	72.4	70.9	69.9	68.9	68.4	105.2
BAR 29.8 HG	500	71.4	72.1	71.	69.8	69.1	68.3	69.7	70.1	69.6	68.3	66.3	64.6	102.4
(00698. N/M2)	630	73.0	73.2	70.7	69.7	71.5	72.3	72.9	72.5	71.7	69.5	66.7	66.4	104.5
TAMB 54. DEG F	800	78.1	81.8	74.7	78.3	81.1	84.3	86.7	84.3	83.8	81.5	74.5	70.5	116.8
(285. DEG K)	1000	75.5	77.7	79.7	79.	81.2	80.0	79.2	78.4	78.2	75.7	72.5	68.4	111.4
TNET 49. DEG F	1250	79.4	80.3	79.7	78.8	79.3	79.8	79.5	79.5	77.0	74.3	72.3	68.0	111.3
(283. DEG K)	1600	82.7	82.8	80.8	79.7	79.2	76.7	78.1	78.1	75.6	73.4	70.9	66.1	110.6
HACT J. GH/M3	2000	82.8	82.5	80.9	81.1	79.6	79.3	77.1	76.2	76.5	73.3	70.5	66.0	110.9
(1. KG/M3)	2500	83.2	84.9	84.1	83.3	81.8	80.7	79.8	79.6	78.4	77.0	73.4	70.2	113.3
MFA 11639. RPM	3150	90.8	93.5	89.9	93.1	89.6	88.5	88.6	85.1	84.9	83.8	79.9	75.7	121.1
(1219. RAD/SEC)	4000	87.2	90.0	86.6	89.4	86.3	85.5	84.5	81.8	80.9	79.7	76.1	72.2	117.6
NFK 11696. RPM	5000	84.0	84.2	82.1	82.1	82.1	80.3	78.7	77.7	76.4	75.0	73.1	68.2	112.3
(1225. RAD/SEC)	6300	86.0	85.7	84.9	84.7	83.6	83.4	81.2	79.5	77.6	76.4	74.9	70.7	114.6
NFD 11517. RPM	8000	84.9	84.9	84.	84.5	83.4	82.4	80.3	78.1	77.0	75.9	74.3	70.7	114.8
(1206. RAD/SEC)	10000	85.2	85.6	83.9	84.6	83.5	82.0	81.4	78.9	76.9	76.2	75.0	70.6	114.4
NO. OF BLADES 18	12500	84.5	84.1	82.5	83.2	83.1	82.0	79.8	77.8	75.8	74.2	73.4	69.6	113.6
FAN TIP SPEED	16000	82.6	81.6	81.3	81.8	81.6	80.6	77.8	76.8	74.7	72.7	71.8	68.8	112.5
1016. FT/SEC	20000	82.1	80.9	80.2	81.4	81.6	79.3	77.5	76.1	74.2	71.8	71.1	67.7	112.1
	25000	80.7	80.1	79.9	81.1	79.6	78.7	75.8	75.1	72.7	69.8	68.8	66.1	111.9
	31500	79.4	78.6	78.6	79.6	79.1	78.1	74.8	74.6	72.3	69.6	68.4	65.8	111.9
	40000	77.7	76.6	77.9	77.7	77.1	75.4	73.9	73.8	71.5	67.5	66.5	64.9	111.6
OVERALL MEASURED		97.0	98.2	96.1	97.6	95.7	95.1	94.6	92.3	91.8	91.5	88.7	85.6	127.5
OVERALL CALCULATED		110.9	112.7	110.1	112.0	109.6	108.9	108.5	106.3	105.7	104.4	101.3	97.8	

Run 4/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 55 DAY 0 HR. -0.0

SPL INFLT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89° DEG. F, 70 PERCENT REL. HUM. DAY)															
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	(0.0)	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.1)	(2.27)	(2.45)	(2.62)
50	37.2	44.3	49.4	51.8	52.0	52.3	53.8	53.4	53.6	54.9	54.8					
SIDELINE 5.11 FT:	47.3	49.9	53.4	55.6	56.4	59.4	59.6	59.6	59.6	54.5	52.3	52.1				
(152.4 M)	38.4	45.8	49.7	51.3	52.4	54.1	55.2	55.1	55.1	53.4	51.7					
NFA 3270 RPM	33.8	41.5	46.1	48.8	51.5	51.6	52.4	51.4	50.6	49.4	48.4					
(343. RAD/SEC)	31.9	38.5	42.4	44.7	45.9	48.3	49.9	49.9	48.8	46.6	44.4					
NFK 3254 RPM	31.2	37.7	41.9	45.8	49.6	51.7	52.1	51.8	49.7	46.8	45.7					
(345. RAD/SEC)	37.9	41.1	51.3	55.1	61.4	65.2	63.6	63.6	61.6	54.4	49.9					
NFC 3244 RPM	34.1	44.5	51.3	54.8	56.5	57.4	57.6	57.9	55.5	52.1	47.8					
(341. RAD/SEC)	35.9	44.1	49.6	53.5	56.3	57.4	58.4	56.4	53.9	51.7	46.9					
AIRFLOW PATIO	36.9	45.3	51.0	53.1	52.8	55.7	56.7	54.8	52.8	50.1	44.8					
KF/M 12.60	35.6	44.8	51.9	53.1	55.1	54.5	54.5	55.4	52.4	49.4	44.3					
VEHICLE UTNSIM	36.6	46.9	52.5	53.7	56.1	58.8	57.4	57.0	55.8	52.1	48.2					
CCNF1G	43.7	51.8	61.7	62.1	63.5	65.2	62.8	63.2	62.2	58.2	53.4					
LCC SCHEMECTADY	38.5	47.5	57.3	58.3	61.1	60.8	59.2	58.9	57.9	54.1	49.6					
DATE 5-28-75	31.9	41.7	49.1	53.5	54.2	58.8	53.9	53.9	52.7	50.6	45.1					
RLN 4/13	29.6	43.3	51.7	54.2	56.8	56.4	55.9	54.7	53.7	52.1	47.1					
TAPE X0020	26.2	41.1	49.7	53.8	55.3	55.1	54.1	53.7	52.8	51.0	46.7					
FAN TIP SPEED	22.7	35.9	45.4	52.4	54.1	55.5	54.2	53.0	52.6	51.1	46.0					
1716. FT/SEC	14.9	34.5	45.1	51.3	52.8	52.8	52.2	50.9	49.6	46.5	44.0					
63.0	9.0	31.6	42.6	48.5	50.9	50.4	50.8	49.5	47.8	46.6	42.8					
80.0		25.4	38.8	44.7	47.4	48.3	48.6	47.5	45.4	44.4	40.1					
100.0		17.1	33.2	41.1	43.7	43.8	45.1	43.6	41.1	39.7	36.0					
OVERALL CALCULATED	49.7	58.3	65.7	67.6	69.8	71.4	70.5	70.1	68.7	65.5	62.3					
PNOB	54.2	65.2	74.2	77.3	79.3	80.3	79.7	78.8	77.6	75.4	72.8					

## Run 4/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 75 PERCENT REL. HUM. DAY)  
PFOC. DATE - MONTH 02 DAY 4 HR. -1.1

SPL INPUT AT BTU	ANGLES FROM INLET IN DEGREES (AND RADIANS)														PWL	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.		140.
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	
50	66.3	66.6	66.1	66.8	67.8	68.6	66.3	65.6	66.6	66.8	67.6	68.1				100.7
63	74.0	73.5	74.3	75.5	75.3	75.5	73.5	72.3	72.8	74.3	76.3	75.5				100.2
80	66.9	68.6	66.6	68.9	71.6	71.9	75.9	78.1	77.9	80.1	77.9	76.9				110.4
100	64.4	64.6	63.9	62.7	61.7	62.9	69.1	66.6	67.4	68.4	67.6	66.9				99.9
125	73.7	74.2	73.4	71.7	71.9	69.9	69.4	69.9	71.9	70.4	71.2	72.9				104.9
160	75.6	74.4	73.6	74.1	74.6	73.1	71.9	72.9	71.9	72.4	73.1	73.4				106.7
200	77.2	78.0	80.2	79.5	79.7	80.5	81.0	80.0	75.7	73.7	72.0	73.0				111.0
250	76.7	76.7	75.2	74.7	73.7	73.2	74.0	73.7	72.7	72.7	71.7	71.0				106.9
315	76.0	76.2	75.2	74.7	73.5	72.8	71.7	71.5	70.2	71.2	69.0	68.2				105.3
400	74.9	74.1	71.9	72.9	73.1	73.7	72.9	72.6	71.4	69.9	69.1	68.6				105.4
500	71.6	71.8	70.5	69.8	69.1	68.6	69.0	71.1	69.8	68.6	66.8	64.8				102.7
630	75.9	74.7	72.2	71.2	71.7	73.3	73.9	75.7	72.2	70.7	68.5	66.2				109.0
800	81.8	80.0	74.7	78.3	81.1	84.8	87.0	85.5	82.5	79.8	72.3	71.0				116.1
1000	74.8	77.2	76.4	78.5	81.7	79.3	77.7	76.4	75.9	75.0	71.5	68.7				110.5
1250	80.4	79.8	78.7	79.6	78.8	77.8	77.7	77.2	75.0	73.8	72.5	67.8				110.1
1600	83.2	81.9	78.6	78.5	78.7	78.7	79.3	77.3	75.4	74.4	69.6	65.1				110.5
2000	82.3	82.3	79.9	81.1	79.1	77.5	77.6	76.9	76.7	74.5	70.5	66.7				110.8
2500	82.2	83.4	82.6	83.3	81.3	79.5	79.1	79.1	77.9	76.0	72.6	69.7				112.6
3150	89.8	89.5	87.4	88.6	86.1	85.3	85.1	83.9	81.2	80.5	77.9	74.2				117.0
4000	87.5	87.5	86.1	87.1	85.3	84.0	84.3	82.1	80.7	79.5	76.9	73.2				116.6
5000	83.7	83.2	81.1	81.4	81.8	80.0	77.5	76.5	75.1	74.0	71.9	67.9				111.3
6300	84.2	83.7	83.4	83.2	81.9	81.4	79.2	77.3	75.1	74.6	73.4	68.9				112.8
8000	83.4	83.4	83.3	83.0	82.9	80.6	79.1	76.8	75.3	73.9	72.5	69.7				112.0
10000	84.0	83.6	82.1	83.4	82.5	80.3	79.1	76.9	74.9	74.0	72.5	68.9				112.7
12500	83.5	82.6	81.3	82.2	81.5	80.0	77.8	75.8	74.3	72.2	71.9	67.6				112.2
16000	81.6	79.6	79.5	81.0	81.1	78.6	79.8	74.5	72.7	70.7	69.8	66.8				110.6
20000	81.6	79.7	78.4	79.7	79.6	78.0	79.3	74.1	72.4	70.0	69.3	66.0				110.5
25000	79.4	78.6	78.2	79.5	79.1	77.2	73.8	72.9	71.2	67.8	67.0	65.1				110.2
31500	78.2	76.9	76.6	78.1	77.6	77.1	73.3	72.6	70.3	67.4	65.7	64.3				110.3
40000	76.5	75.1	76.1	76.2	75.9	74.4	72.6	72.1	70.3	66.0	64.5	63.7				110.2
OVERALL MEASURED																
OVERALL CALCULATED	96.3	96.1	94.7	95.4	94.4	93.8	93.5	92.4	93.4	93.3	87.2	85.2				120.1
PND8	117.3	117.1	106.3	119.1	117.6	106.9	106.6	105.6	103.4	102.5	100.1	97.0				

Run 4/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 02 DAY 0 HR. -1.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89. DEG. F, 70 PERCENT REL. HUM. DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.)	(0.17)	(0.35)	(0.52)	(0.7)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
95	36.9	43.8	48.6	51.8	52.0	52.0	53.9	53.9	53.2	53.8	54.4	54.3					
63	39.8	49.9	53.6	56.6	59.1	60.9	65.4	66.8	66.8	65.0	68.1	63.6					
SIDELINE 5000 FT: (152.40 M)	80	37.1	44.3	48.5	51.3	51.6	53.6	54.2	53.6	53.8	52.6	51.4					
NFA 3328. RPM (348. RAD/SEC)	125	36.6	43.8	48.1	49.7	50.9	51.1	51.7	51.0	51.1	49.7	48.5					
NFK 3344. RPM (351. RAD/SEC)	250	33.8	40.1	45.9	49.1	51.5	52.1	52.7	51.9	51.6	49.7	48.7					
NFD 3244. RPM (341. RAD/SEC)	400	32.7	39.2	43.4	47.1	50.6	52.7	54.6	52.3	51.0	48.6	45.8					
AIRFLOW RATIO WF/WP 12.6	630	37.2	41.1	50.0	56.1	61.9	69.5	64.9	62.4	59.8	52.2	50.4					
	800	33.5	44.2	49.8	55.3	56.0	55.9	55.6	55.6	54.8	51.1	47.8					
	1000	35.1	43.8	51.4	53.1	54.3	53.7	56.1	54.4	53.4	51.9	46.6					
VEHICLE UTWSIM 1800		36.1	43.1	48.8	52.5	54.8	57.1	56.1	54.6	53.8	48.8	43.8					
CONFIG 1250		35.3	43.6	49.9	52.5	53.3	55.3	57.3	55.6	53.6	49.4	45.1					
LCC SCHENECTADY 1600		35.1	45.4	52.5	54.2	54.9	58.1	57.1	56.5	54.8	51.3	47.7					
DATE 5-28-75 2000		39.7	49.3	57.2	58.5	60.3	61.7	61.6	59.5	59.0	56.2	51.9					
RUN 4/14 2500		36.1	47.1	55.1	57.3	58.6	61.3	59.4	58.6	57.7	54.9	50.6					
TAPE X20020 3150		29.5	40.7	47.4	52.1	54.0	58.3	53.4	52.7	51.7	49.4	44.8					
FAN TIP SPEED 4000		27.6	41.8	49.2	52.4	54.8	54.4	53.7	52.2	51.9	50.5	45.4					
1031. FT/SEC 5000		24.7	40.3	48.2	52.8	53.5	58.9	52.8	52.0	50.8	49.3	45.7					
		20.7	37.1	47.2	51.4	52.3	53.2	52.2	51.0	50.3	48.6	44.3					
		13.4	33.2	44.1	48.8	51.5	50.8	51.2	49.4	47.6	47.0	42.0					
		7.1	29.9	40.9	46.7	48.9	48.4	48.5	47.5	45.8	44.6	40.8					
			23.6	37.1	43.7	46.2	46.1	46.6	45.7	43.6	42.6	38.4					
			15.4	31.7	38.2	42.2	41.8	42.8	42.1	39.8	38.1	35.0					
			2.8	23.1	32.3	37.7	37.5	39.1	38.0	35.5	33.4	30.7					
OVERALL CALCULATED		48.2	57.2	63.6	66.6	68.8	70.6	72.4	68.7	67.4	64.6	62.1					
PND8		51.5	63.9	72.1	76.3	77.9	78.7	78.4	77.2	76.1	73.8	69.9					

Run 4/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 05 DAY 3 HR. -1.

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)														PWL		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
	50	65.8	66.3	65.8	66.3	67.3	68.1	67.1	65.6	64.8	65.8	66.8	66.3					100.8
RADIAL 17. FT.	63	74.5	73.8	74.0	75.8	75.5	75.3	73.3	72.1	72.8	74.5	75.8	75.5					108.2
( 5. 4)	60	67.4	69.4	67.4	69.1	71.9	72.6	76.4	78.6	78.1	80.1	77.6	76.4					113.9
VEHICLE UTHS:M	125	65.4	65.9	65.1	63.7	61.9	63.4	69.4	67.4	68.1	69.4	68.1	67.6					100.6
CONFIG	160	75.2	75.2	74.2	72.4	72.2	70.4	71.2	69.9	71.7	71.7	70.9	72.7					109.2
LOC SCHENECTADY	240	77.4	78.1	76.1	76.6	75.9	74.6	73.6	73.4	72.4	72.1	72.9	73.1					107.6
DATE 9-28-75	250	81.2	82.5	84.7	82.5	81.2	81.7	82.2	81.2	77.5	75.2	72.2	70.7					113.5
RUN 4/15	315	81.2	81.1	80.2	79.1	78.2	77.5	78.1	78.1	77.0	76.7	74.7	73.0					111.0
TAPE X0020	400	81.0	82.1	81.7	81.5	78.7	77.7	76.0	75.5	74.5	73.7	72.5	71.0					110.1
BAR 29.8 HG	500	78.7	79.9	78.9	78.9	77.9	77.4	76.1	74.9	73.1	72.1	70.9	69.9					109.1
(00698, V/42)	630	74.9	75.3	73.8	73.3	72.3	70.8	70.8	71.3	70.3	69.3	67.6	65.3					104.4
TAMB 54. DEG F	800	72.3	72.1	70.9	71.1	71.5	72.0	71.7	72.2	71.0	68.5	66.7	65.9					104.0
(285. DEG K)	1000	74.1	74.8	73.1	72.1	71.5	70.8	70.5	69.2	67.2	66.5	65.2	64.5					111.5
TWBT 48. DEG F	1250	79.3	81.7	81.7	81.7	81.7	81.7	80.7	78.9	76.9	76.5	72.7	69.4					112.3
(282. DEG K)	1600	84.1	85.3	85.5	85.1	84.8	83.6	82.2	81.5	79.3	79.0	75.3	70.8					115.2
HACT 0. GH/M3	2000	83.7	84.1	82.6	82.1	81.9	80.9	79.6	79.6	77.1	75.7	71.4	68.8					112.7
(1. KG/M3)	2500	84.3	84.1	83.7	81.9	79.2	78.8	78.9	78.2	77.0	76.5	72.5	69.2					112.1
NFA 11352. RPM	3150	86.5	89.9	87.1	87.3	84.5	83.5	84.3	84.8	82.9	82.7	78.1	73.9					117.4
(1189. RAD/SEC)	4000	98.1	97.5	97.4	98.1	97.6	92.5	91.8	91.4	91.4	90.3	87.2	83.0					126.9
NFK 1147. RPM	5000	97.5	89.7	89.8	91.4	89.8	85.5	85.3	84.6	83.7	82.7	78.9	74.9					119.4
(1194. RAD/SEC)	6300	86.6	87.2	84.8	85.1	84.1	83.0	81.2	81.5	79.1	77.5	75.9	71.2					115.0
KFD 11517. RPM	8000	89.2	91.1	89.7	88.9	88.4	87.7	85.4	83.2	82.3	81.6	79.1	74.9					119.1
(1206. RAD/SEC)	10000	86.6	87.9	86.3	86.6	85.6	84.9	82.3	81.8	79.3	78.6	77.2	72.7					116.4
NO. OF BLADES 18	12500	89.5	89.3	87.9	87.9	87.2	85.8	84.9	82.4	80.2	79.5	78.5	73.9					118.0
FAN TIP SPEED	16000	87.5	87.2	85.8	86.5	85.2	84.8	82.3	81.1	79.0	77.7	76.9	72.6					116.5
991. FT/SEC	20000	85.6	84.6	83.5	84.8	83.8	82.9	80.3	79.3	77.2	76.2	75.5	71.3					115.0
OVERALL MEASURED	25000	85.4	83.9	83.4	84.9	83.9	82.0	80.3	79.1	76.9	74.8	74.3	70.7					115.2
OVERALL CALCULATED	31500	84.4	83.3	82.7	84.1	82.6	81.2	79.3	77.9	75.4	72.6	72.1	68.6					114.7
	40000	83.2	82.1	81.6	82.3	82.2	80.6	77.8	77.1	74.6	72.1	71.7	67.8					114.7
	50000	81.2	80.1	80.4	81.5	81.6	78.6	76.6	75.1	74.0	72.7	68.7	66.4					114.5
		111.4	111.5	109.8	111.2	110.6	97.7	86.6	94.0	95.0	93.9	91.4	88.1					130.9
		116.1	116.1	115.6	116.7	115.5	111.9	111.2	110.6	110.0	109.0	106.1	102.4					

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 4/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 05 DAY 0 HR. -1.7

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 70 PERCENT REL. HUM. DAY)														
	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ. (Hz)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
50	38.7	46.3	51.1	53.7	53.5	53.7	54.3	53.7	53.6	54.2	54.0				
63	44.3	53.7	56.6	58.1	60.4	62.1	61.9	58.6	56.2	53.1	51.4				
80	42.4	49.3	52.7	54.2	55.9	57.6	58.4	57.9	57.8	55.6	53.4				
100	42.4	49.6	53.8	55.1	55.1	55.4	55.7	55.2	54.6	53.2	51.2				
125	39.5	47.7	51.9	53.6	55.3	55.3	54.9	53.7	52.8	51.4	49.9				
160	34.1	41.3	45.9	47.9	48.4	49.7	51.1	50.6	49.8	47.9	45.1				
200	31.9	37.9	40.1	45.8	49.3	50.4	51.1	51.1	48.7	46.8	45.5				
250	31.9	39.4	40.8	52.5	56.9	58.0	61.4	59.4	58.1	51.9	49.9				
315	37.7	47.5	52.1	55.6	57.8	58.9	58.1	56.6	56.3	52.4	48.6				
400	40.5	50.6	55.9	59.1	60.0	59.9	59.4	58.4	58.6	54.7	49.6				
500	38.4	47.7	52.3	55.8	57.1	57.2	58.2	56.3	55.0	50.6	47.3				
630	37.1	47.4	51.6	53.2	54.6	56.2	56.5	55.9	55.6	51.4	47.6				
800	41.6	49.9	56.5	57.5	58.9	61.3	62.9	61.5	60.8	56.8	52.0				
1000	47.7	59.3	66.7	71.3	67.5	68.5	69.1	69.7	68.7	65.5	60.7				
1250	38.3	50.8	58.3	61.8	60.1	61.3	61.9	61.6	62.9	56.9	52.3				
1600	33.5	44.5	52.1	55.3	57.2	58.8	57.4	56.7	55.2	53.4	48.1				
2000	34.9	48.7	55.0	58.9	61.0	60.7	60.2	59.4	57.9	56.2	51.4				
2500	29.2	43.3	51.5	55.5	57.8	57.1	56.8	56.0	55.6	53.8	48.7				
3150	26.4	42.9	51.7	56.1	57.8	59.7	57.7	56.3	55.8	54.6	49.3				
4000	18.2	37.7	48.3	52.6	55.5	55.3	55.4	54.2	53.1	52.0	47.0				
5000	12.7	33.9	45.6	51.5	53.1	52.9	53.3	52.0	51.3	50.3	45.3				
6300	7.7	28.6	42.3	48.0	50.2	51.1	51.6	50.2	48.4	47.6	43.2				
8000		19.9	36.2	42.7	46.2	47.3	47.8	46.4	44.7	43.1	38.5				
10000		7.8	27.2	37.7	41.2	42.1	43.6	42.3	41.2	38.4	34.2				
OVERALL CALCULATED	52.9	63.1	69.5	72.7	72.2	73.3	73.5	73.1	72.1	69.1	65.1				
PNDB	58.7	70.4	78.1	81.8	82.2	82.9	82.9	82.5	81.4	78.7	74.0				

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 0 HR. -1.

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)														PWL		
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
50	66.1	66.3	66.1	66.6	67.3	68.3	67.1	65.6	64.8	65.8	66.8	66.6	66.6	66.6	66.6	66.6	100.1
63	74.6	73.8	74.5	75.3	75.8	74.8	72.8	71.8	72.5	74.3	75.8	75.5	75.5	75.5	75.5	75.5	107.9
RADIAL 17. FT. ( 5. M)	80	67.1	69.1	67.1	68.6	71.9	72.4	76.1	78.6	77.4	79.4	76.6	75.9	75.9	75.9	75.9	110.0
VEHICLE UTMSM	100	66.6	66.6	65.9	64.6	62.4	64.1	66.1	66.4	69.4	69.6	89.1	68.1	68.1	68.1	68.1	101.4
CONFIG	125	75.2	75.9	74.4	72.9	72.4	70.7	76.2	75.4	72.2	76.7	70.7	72.9	72.9	72.9	72.9	105.5
LOC SCHENECTADY	160	77.1	76.1	76.1	76.9	76.6	74.6	73.9	73.6	71.9	71.9	72.6	72.9	72.9	72.9	72.9	107.7
DATE 5-28-75	200	78.7	81.5	81.2	79.7	79.0	79.2	79.5	78.7	75.2	73.2	71.0	68.7	68.7	68.7	68.7	111.0
WLN 4/16	250	82.0	81.0	80.2	79.5	78.5	78.0	78.3	78.2	77.5	77.2	74.7	72.7	72.7	72.7	72.7	111.3
TAPE X00020	319	81.5	82.2	81.7	81.7	79.2	77.8	77.0	76.0	75.0	75.0	73.2	72.0	72.0	72.0	72.0	110.8
BAR 29.8 HG	400	79.2	75.1	79.1	79.4	77.9	77.7	76.4	75.4	73.4	72.9	71.6	70.1	70.1	70.1	70.1	109.4
(00698. N/M2)	500	75.9	75.8	74.5	74.6	73.1	72.1	72.0	71.8	71.3	70.1	68.3	66.1	66.1	66.1	66.1	105.3
TAHB 53. DEG F	630	73.5	73.2	71.9	72.0	71.5	71.5	71.2	72.0	70.5	68.5	66.7	65.7	65.7	65.7	65.7	104.0
(285. DEG K)	800	73.3	73.8	72.7	74.5	76.1	77.1	76.7	77.3	74.8	73.8	69.8	68.0	68.0	68.0	68.0	108.5
THET 48. DEG F	1000	79.0	79.2	81.4	81.4	81.1	80.3	79.7	78.9	77.7	75.5	71.5	69.2	69.2	69.2	69.2	112.1
(202. DEG K)	1250	84.6	82.5	83.2	85.8	83.3	84.8	82.8	82.2	80.8	78.0	74.0	69.0	69.0	69.0	69.0	115.2
HACT 0. GM/M3	1600	83.7	83.6	82.1	82.3	81.2	81.2	79.6	80.3	79.1	77.7	73.6	68.9	68.9	68.9	68.9	113.1
(1165. RAD/SEC)	2000	84.6	84.3	83.8	81.9	81.1	79.8	80.1	79.4	78.5	76.8	73.7	68.7	68.7	68.7	68.7	112.7
NFA 11124. RPM	2500	87.5	89.9	87.1	87.6	85.5	84.5	84.1	84.1	82.4	81.2	77.9	73.7	73.7	73.7	73.7	117.4
(1165. RAD/SEC)	3150	97.5	97.5	98.6	96.1	93.3	94.5	91.6	91.4	90.9	89.3	87.7	83.2	83.2	83.2	83.2	120.2
NFK 11189. RPM	4000	89.5	89.7	88.6	88.1	86.6	85.8	83.5	83.5	82.2	81.0	78.9	74.2	74.2	74.2	74.2	117.8
(1171. RAD/SEC)	5100	86.5	87.5	84.8	85.1	84.3	83.5	81.5	81.5	79.1	78.2	76.1	71.7	71.7	71.7	71.7	115.2
NFD 11517. RPM	6300	91.5	91.7	89.4	88.9	88.4	88.2	85.7	84.8	82.8	81.6	80.6	76.7	76.7	76.7	76.7	119.5
(1206. RAD/SEC)	8000	86.9	88.2	86.3	86.7	85.6	84.6	82.6	82.3	79.5	78.1	77.3	72.9	72.9	72.9	72.9	116.4
NC. OF BLADES 18	10000	89.7	89.8	88.4	88.4	87.7	86.0	85.1	82.4	80.7	80.3	79.3	74.6	74.6	74.6	74.6	118.4
PAN TIP SPEED	12500	88.0	87.6	85.8	86.7	86.2	84.3	83.1	82.8	79.3	77.7	77.4	73.4	73.4	73.4	73.4	116.8
971. FT/SEC	16000	85.6	84.9	84.3	84.5	84.3	83.6	80.8	79.2	77.7	76.5	75.5	71.5	71.5	71.5	71.5	115.4
OVERALL MEASURED	20000	84.4	84.1	82.9	84.5	82.8	81.7	79.3	78.4	75.4	72.8	72.3	69.1	69.1	69.1	69.1	115.4
OVERALL CALCULATED	25000	83.4	82.4	81.9	82.3	82.3	80.4	78.5	77.4	74.8	72.4	70.9	67.8	67.8	67.8	67.8	114.8
	31500	83.4	82.4	81.9	82.3	82.3	80.4	78.5	77.4	74.8	72.4	70.9	67.8	67.8	67.8	67.8	114.8
	40000	81.7	81.1	80.9	81.5	81.1	80.6	77.1	76.1	74.8	73.2	69.2	66.9	66.9	66.9	66.9	114.6
OVERALL MEASURED		101.4	101.5	101.3	101.3	98.7	98.5	96.5	95.9	94.8	93.4	91.7	88.2	88.2	88.2	88.2	130.6
OVERALL CALCULATED		115.9	116.1	116.2	114.8	112.7	113.1	110.9	110.6	109.8	108.3	106.5	102.6	102.6	102.6	102.6	

Run 4/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 27 DAY 6 HR. -1.7

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. F, 90 PERCENT REL. HUM, DAY)											ANGLES FROM INLET IN DEGREES (AND RADIAN)					
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	38.7	46.3	51.4	53.8	53.5	54.3	54.5	53.2	53.3	53.9	53.8						
63	42.3	50.9	53.9	55.8	57.9	59.4	59.4	56.3	54.5	52.1	49.4						
SIDELINE 500. FTS (152.40 M)	80	42.7	49.3	53.2	55.1	56.4	58.1	58.7	58.4	58.3	55.6	53.2					
NFA 3133. RPM ( 328. RAD/SEC)	100	42.6	50.3	54.3	55.5	55.9	56.4	56.2	55.7	55.9	54.0	52.2					
NFK 3132. RPM ( 331. RAD/SEC)	125	38.8	47.2	52.4	53.8	55.5	55.6	55.4	53.9	53.6	52.2	50.2					
NFD 3244. RPM ( 340. RAD/SEC)	160	34.6	42.7	47.1	46.7	49.7	51.3	51.6	51.6	50.5	48.6	45.9					
AIRFLOW RATIO WF/WM 12.60	200	31.2	38.9	44.1	46.8	48.8	49.9	51.6	50.6	48.7	46.8	45.3					
VEHICLE UTHSIM	250	3.9	39.1	46.3	51.1	54.1	55.2	56.6	54.6	53.8	49.7	47.4					
CONFIG	315	35.5	47.2	53.3	55.6	57.0	57.9	58.1	57.4	55.3	51.1	48.3					
LCC SCHENECTADY	400	37.8	48.3	56.6	57.5	61.3	59.9	61.1	60.2	57.6	53.4	47.9					
DATE 5-28-75	500	37.9	46.5	52.3	55.1	57.3	57.2	59.7	58.3	57.0	52.8	47.5					
RUN 4/16	600	37.3	47.1	51.6	53.5	55.6	57.5	57.8	57.4	55.9	51.9	47.1					
TAPE X99020	800	41.6	49.9	56.7	58.5	59.9	61.1	62.1	61.0	60.0	56.5	51.7					
FAN TIP SPEED 971. FT/SEC	1000	47.7	60.6	64.7	65.8	69.5	68.2	69.1	69.2	67.7	66.0	60.9					
OVERALL CALCULATED	1250	37.5	49.5	56.0	58.5	59.6	59.8	60.9	60.1	59.2	56.9	51.6					
PNDB	1600	33.8	44.5	52.1	55.6	57.5	56.8	57.7	56.7	56.0	53.6	48.6					
	2000	35.6	47.8	55.0	58.9	61.5	60.9	61.2	59.9	58.9	57.7	53.1					
	2500	29.5	43.3	52.0	55.5	57.5	57.4	56.3	56.2	55.1	54.0	49.0					
	3150	26.9	43.4	52.2	56.6	58.1	59.2	57.7	56.8	56.8	55.4	50.0					
	4000	18.4	37.7	48.5	53.6	55.0	56.1	55.2	54.4	53.1	52.5	47.7					
	5000	12.3	34.6	45.4	51.0	53.9	53.4	53.8	52.5	51.6	50.3	45.5					
	6300	1.2	29.4	42.3	48.2	50.4	50.8	52.1	50.5	48.4	48.1	43.4					
	8000		20.1	36.7	43.1	46.7	47.3	48.3	46.4	44.0	43.2	39.0					
	10000		8.1	27.2	37.1	40.9	42.7	43.6	42.5	40.5	38.7	34.2					
		52.5	63.3	68.4	71.4	73.0	72.7	73.3	72.0	71.5	69.4	65.2					
		57.0	70.9	77.2	81.4	82.6	83.0	82.9	82.3	81.7	79.2	74.3					





Run 5/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. @ 70 PERCENT REL. HUM. DATA)

PARAMETER	ANGLES FROM INLET IN DEGREES (AND RADIANS)											0. U. 0. U. 0. U.						
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0.	U.	0.	U.	0.	U.
SIDELINE 500 FT. (152.40 M)	37.3	43.9	50.1	55.2	59.0	61.5	63.6	65.2	66.5	67.5	68.2	68.7	59.0	59.0	59.0	59.0	59.0	59.0
MFA (2279. MPH)	40.1	47.7	51.2	54.2	56.8	59.0	60.8	62.2	63.1	63.8	64.3	64.6	59.0	59.0	59.0	59.0	59.0	59.0
MFK (2277. MPH)	44.3	52.4	56.1	58.3	59.9	60.3	60.3	60.3	60.6	60.2	59.6	58.0	59.6	57.9	54.8			
MFD (3244. MPH)	45.1	55.1	59.7	62.8	65.0	66.0	66.6	67.4	67.7	68.1	68.2	68.2	59.6	57.9	54.8			
AIRFLOW RATIO	41.2	50.1	55.2	58.4	60.5	61.5	62.2	62.7	63.1	63.2	63.2	63.2	59.6	57.9	54.8			
VEHICLE CONFIG	45.3	54.3	59.3	61.1	62.5	63.5	64.2	64.7	65.0	65.1	65.1	65.1	59.6	57.9	54.8			
DATE 5/12/75	41.5	50.6	55.7	58.9	60.9	62.2	62.7	63.1	63.2	63.2	63.2	63.2	59.6	57.9	54.8			
OVERALL CALCULATED	42.1	50.6	55.7	58.9	60.9	62.2	62.7	63.1	63.2	63.2	63.2	63.2	59.6	57.9	54.8			
PRNG	46.3	54.6	59.1	61.4	62.8	63.8	64.5	64.9	65.0	65.0	65.0	65.0	59.6	57.9	54.8			
SIDELINE 200 FT. (60.96 M)	47.5	53.7	59.1	63.8	61.4	61.9	62.4	62.9	63.4	63.9	64.4	64.9	59.1	58.2				
100	50.8	58.0	61.0	63.7	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	59.1	58.2				
125	55.3	62.8	65.5	67.3	67.7	68.9	70.7	69.5	68.1	66.4	63.3							
150	59.4	65.3	69.4	70.0	69.6	69.0	70.9	69.2	68.0	66.6	65.0							
200	54.7	62.6	67.0	67.9	68.3	67.5	67.8	64.4	63.2	61.3	59.6							
250	53.8	61.4	65.4	66.0	65.7	65.8	66.3	65.1	62.9	60.7	57.8							
315	57.6	65.9	69.7	70.9	70.9	70.7	70.7	67.0	65.1	63.6	60.8							
400	57.1	65.9	70.5	72.0	72.3	70.9	70.9	67.9	65.8	63.0	60.2							
500	55.1	62.9	66.6	67.1	67.0	66.6	67.1	64.9	62.4	59.2	55.6							
600	51.8	59.6	63.0	64.7	64.3	63.2	64.7	62.3	59.9	55.9	52.0							
800	50.3	62.3	66.6	66.1	66.1	66.9	65.9	63.5	60.4	57.8	53.7							
1000	62.9	74.7	76.6	75.5	79.0	80.2	76.3	75.7	72.3	68.7	64.9							
1250	49.7	59.6	63.4	64.3	63.8	62.6	62.2	59.4	57.7	55.0	51.2							
1500	58.2	61.9	65.6	66.0	65.1	63.4	63.5	60.5	59.1	56.3	53.3							
2000	57.3	69.4	73.5	74.3	73.3	71.9	72.3	69.5	68.4	64.9	61.2							
2500	58.1	68.3	72.4	73.8	72.4	71.2	70.9	67.5	65.7	62.2	60.8							
3150	56.5	64.3	74.5	75.9	76.5	75.6	75.2	71.5	69.0	66.6	63.0							
4000	57.3	68.8	75.2	77.3	77.3	76.7	76.9	74.0	70.9	67.7	64.0							
5000	53.1	67.0	73.6	76.1	77.1	76.6	76.8	74.2	70.0	67.1	62.7							
6000	46.4	64.9	71.2	75.7	75.1	75.0	76.2	74.1	69.7	65.9	61.3							
8000	46.8	61.7	68.8	72.8	74.1	73.8	74.1	72.2	67.1	63.4	57.0							
10000	48.8	57.8	66.4	70.7	72.2	71.5	72.9	70.0	65.6	60.7	55.1							
OVERALL CALCULATED	42.1	46.4	56.6	52.1	64.6	64.8	65.7	63.8	58.1	52.5	46.3							
PRNG	69.0	79.8	84.5	85.7	86.4	86.2	86.1	83.5	80.3	77.5	74.1							
PRNG	79.3	81.9	86.9	90.9	99.0	99.1	99.3	96.6	93.9	89.9	85.8							

## Run 5/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (90, DEG. F. 70 PERCENT REL. HUM. DAVI)  
 PROC. RATE - MONTH 7 DAY 23 HR. 13.3  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. Hz	ANGLE															
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	
30																
43																
50																
RADIAL 17. FT.	100	69.3	67.5	67.3	67.1	64.1	65.3	68.0	70.8	70.9	71.1	71.1	69.9			103.2
(50. M)	125	77.3	76.8	75.0	74.4	73.8	72.3	71.5	71.6	71.2	71.6	71.6	72.1			106.2
VEHICLE UTNSTM	160	77.6	76.0	74.0	74.6	76.3	75.0	73.0	74.8	72.9	70.9	71.3	71.4			107.5
CONFIG C02	250	76.8	79.0	79.0	78.5	77.8	78.3	77.0	78.0	75.2	72.8	71.0	69.4			109.9
LUG. SEMIULTARY	250	85.0	84.0	83.5	82.9	81.8	81.0	81.2	82.0	81.4	79.6	77.5	75.1			114.5
DATE 5/12/75	315	88.1	88.3	87.8	87.4	85.1	83.0	81.5	82.0	80.4	79.6	77.5	76.4			116.4
RUN 5/5	400	85.1	84.0	84.0	85.1	83.8	82.8	80.3	79.0	76.7	75.4	73.3	72.1			114.2
TAPE	500	83.0	84.0	83.6	83.6	81.3	80.0	78.8	78.6	76.4	74.6	72.8	69.1			112.6
BAR 29.7 HG	630	87.1	86.8	87.1	87.9	86.6	85.3	83.0	82.3	81.3	78.2	76.6	74.6			110.8
(10189. H/2)	800	87.1	87.3	87.1	87.9	86.6	85.3	83.0	82.0	79.7	76.9	74.3	71.4			110.8
TANK 60. DEG F	1000	87.1	85.3	84.3	83.9	81.1	81.0	78.7	79.1	76.2	73.4	70.0	67.6			110.0
(289. DEG K)	1250	81.1	82.1	82.6	84.7	79.3	77.8	76.2	76.1	73.5	71.4	67.3	64.4			111.2
TOT 56. DEG F	1600	78.9	79.3	78.8	80.7	77.4	76.0	74.0	73.1	70.8	69.2	66.0	62.4			108.2
(288. DEG K)	2000	80.1	80.1	80.6	84.2	79.9	77.0	75.2	74.6	71.8	69.5	67.0	63.4			110.2
HACT 11.20 GY/3	2500	96.8	96.1	99.0	96.2	94.3	92.7	92.9	90.6	87.5	84.5	80.7	78.9			125.6
(.01100 KG/3)	3150	88.6	89.1	91.2	88.2	86.1	84.7	84.1	82.6	79.5	76.0	73.0	71.1			117.6
NFA 9003. RFN	4000	84.5	84.2	84.9	84.1	80.7	79.1	76.8	75.8	73.0	70.5	68.4	65.6			112.0
(.943. RAY/SEC)	5000	92.7	93.4	92.1	91.8	90.2	89.7	86.0	84.7	81.4	79.4	77.8	73.5			120.8
NEK A924. RFN	6300	89.9	91.2	91.9	90.0	88.1	87.0	83.9	82.9	79.8	77.3	75.2	72.5			119.8
(.942. RAY/SEC)	8000	93.2	94.6	94.3	94.1	92.4	91.7	88.6	88.3	84.9	82.2	79.7	76.6			123.3
NFC 11517. RFN	10000	93.6	95.6	95.3	95.1	94.0	91.6	89.6	88.8	86.1	83.2	79.9	76.4			124.2
(1200. RAY/SEC)	12500	91.8	93.9	94.2	95.1	94.1	93.1	91.4	91.3	87.7	84.3	81.3	76.9			125.1
NO. OF BLADES 14	16000	90.8	91.5	93.0	93.6	92.8	92.3	90.8	90.9	85.5	84.1	81.1	75.2			124.5
FAN TIP SPEED 780. FT/SEC	20000	89.2	89.6	91.4	92.0	91.6	90.8	89.9	89.4	86.9	82.9	79.6	73.4			123.6
25000	87.8	88.2	88.6	89.7	90.1	89.0	87.6	87.3	85.1	81.5	77.1	71.0			122.2	
31500	85.5	86.4	86.6	87.4	87.3	86.6	85.2	84.8	81.9	78.6	73.6	67.4			120.6	
40000	81.4	82.7	83.0	83.8	83.8	82.8	81.4	80.9	79.0	74.5	69.4	62.9			118.2	
50000	75.5	78.5	78.7	79.1	78.5	77.0	77.2	77.1	75.2	69.4	65.2	58.8			115.5	
63000	71.0	73.1	72.4	73.3	71.5	70.9	71.7	73.0	68.1	62.5	61.9	57.7			112.5	
80000	71.2	71.9	70.8	72.0	71.0	71.6	71.8	73.0	62.8	59.9	61.9	60.4			115.9	
OVERALL MEASURED		103.1	104.0	104.8	104.1	102.8	101.7	100.1	98.5	96.7	93.6	90.6	87.3			104.3
OVERALL CALCULATED		115.0	115.8	117.4	115.7	113.7	112.3	111.4	110.0	107.1	104.4	101.4	99.2			

Run 5/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
FREQ. (Hz)	10	17	25	35	50	70	100	140	200	280	400	560
50	38.5	44.9	51.1	53.5	53.9	53.1	55.6	54.2	52.3	52.6	52.2	52.2
63	40.9	48.7	52.7	54.4	56.7	56.9	58.7	56.3	54.1	52.1	50.6	50.6
SIDELINE 500. FT. (152.40 M)	80	45.1	52.6	56.6	58.3	59.4	60.9	62.3	60.6	58.4	55.5	55.5
NFA 2536. RPM (266. RAD/SEC)	125	44.4	52.9	58.1	59.8	60.7	59.4	59.8	57.2	56.0	53.8	52.1
NFK 2533. RPM (265. RAD/SEC)	160	42.9	51.1	56.2	56.9	57.6	57.7	58.4	56.7	55.1	52.3	48.9
NFP 3244. RPM (340. RAD/SEC)	200	44.6	54.0	59.3	60.9	61.4	61.0	60.9	58.3	56.9	54.7	52.0
AIRFLOW RATIO 12:50	250	44.5	53.5	59.6	61.5	62.4	61.5	62.2	59.8	58.9	54.2	50.7
VEHICLE CONFIG	315	42.6	50.1	55.2	55.7	57.8	56.9	58.2	55.9	53.2	49.7	46.7
LOC SCHEMATICALLY	400	37.3	47.7	55.5	53.6	54.2	54.2	55.0	52.9	51.0	46.7	43.3
DATE 5/12/75	500	32.6	43.2	51.0	51.2	52.2	51.6	51.8	50.0	48.6	45.2	41.0
RUN 5/5	630	33.1	44.2	54.0	52.3	52.8	52.6	53.0	50.7	48.6	45.9	41.8
TAPE	800	47.7	61.9	65.4	67.3	68.1	69.9	68.7	66.1	63.3	59.4	56.9
FAN TIP SPEED 786. FT/SEC	1000	39.3	51.2	56.7	58.5	59.7	60.8	60.3	57.6	54.5	51.3	48.9
OVERALL CALCULATED	1250	32.8	45.9	52.0	52.7	53.6	53.0	53.1	50.9	48.6	46.3	42.9
PND8	1600	39.7	62.0	58.8	61.4	63.7	61.7	61.6	58.8	57.2	55.3	50.4
	2000	35.1	50.2	56.0	58.7	60.4	59.2	59.3	56.8	54.6	52.3	49.0
	2500	35.9	52.0	59.3	62.4	64.6	63.5	64.3	61.6	59.1	56.4	52.7
	3150	32.7	50.3	58.2	62.9	63.5	63.7	64.1	62.2	59.5	55.9	51.7
	4000	34.7	46.1	56.9	61.4	63.9	64.3	65.7	62.8	59.7	56.5	51.3
	5000	18.9	43.4	54.4	59.4	62.5	63.4	64.9	63.3	59.2	55.9	49.3
	6300	7.4	36.8	49.4	55.7	59.0	60.7	61.8	60.2	56.5	52.9	45.8
	8000		25.8	41.9	50.2	53.9	55.6	57.2	56.0	52.7	48.0	40.9
	10000		12.7	32.3	42.0	47.1	49.4	51.3	49.8	46.7	41.3	33.8
OVERALL CALCULATED		55.4	66.1	71.3	73.5	74.9	75.2	75.5	73.4	70.9	68.0	64.9
PND8		58.9	74.5	82.1	85.4	87.8	87.2	88.1	85.7	82.8	79.6	75.1

50	49.0	54.7	60.1	62.1	62.3	61.4	63.9	62.4	60.5	60.8	60.5	60.5
63	51.5	58.8	62.0	63.2	65.2	65.3	67.1	64.6	62.4	60.5	58.4	58.4
SIDELINE 200. FT. (60.96 M)	80	56.1	63.0	66.0	67.3	68.1	69.5	71.0	70.8	69.1	66.9	64.0
125	56.0	63.6	68.0	69.1	69.7	68.3	68.6	65.9	64.7	62.8	60.9	60.9
160	54.8	62.4	66.4	66.5	66.8	66.7	67.3	65.6	63.9	61.2	57.8	57.8
200	57.1	65.6	69.7	70.6	70.8	70.1	70.0	67.3	65.8	63.6	61.0	61.0
250	57.1	65.4	70.3	71.5	71.9	70.8	71.4	68.7	66.0	63.3	59.9	59.9
315	55.6	62.4	66.1	65.9	67.5	66.4	67.6	65.1	62.4	58.9	56.1	56.1
400	50.8	60.3	66.7	64.0	64.2	63.8	64.5	62.3	60.4	56.1	52.8	52.8
500	46.5	56.3	62.5	61.9	62.3	61.5	61.4	59.5	58.1	54.8	50.7	50.7
630	47.7	57.7	65.8	63.2	63.2	62.6	62.8	60.4	58.3	55.7	51.6	51.6
800	63.0	75.9	77.6	78.5	78.7	80.2	78.7	76.1	73.2	68.3	67.0	67.0
1000	55.2	67.7	69.4	70.1	70.6	71.3	70.6	68.0	64.6	61.4	59.1	59.1
1250	49.6	61.0	65.0	64.5	64.8	63.8	63.6	61.3	59.0	56.7	53.4	53.4
1600	57.8	67.9	72.4	73.7	75.3	72.8	72.4	69.6	67.8	66.0	61.2	61.2
2000	54.5	66.9	70.2	71.4	72.4	70.6	70.8	67.8	66.5	63.2	60.1	60.1
2500	56.9	69.5	74.1	75.6	76.9	75.2	75.7	72.8	70.3	67.8	64.1	64.1
3150	56.3	69.2	74.6	76.8	76.5	75.9	76.0	73.9	71.1	67.6	63.6	63.6
4000	52.2	66.9	73.9	76.4	77.7	77.4	78.3	75.2	72.1	68.9	63.9	63.9
5000	46.7	65.4	72.2	75.1	76.8	76.9	77.9	76.1	71.9	68.7	62.3	62.3
6300	43.8	62.0	69.6	73.1	74.8	75.5	76.1	74.2	70.3	66.9	60.1	60.1
8000	35.3	56.3	65.5	70.4	72.0	72.5	73.4	71.8	68.4	63.8	57.1	57.1
10000	24.9	50.5	60.9	65.9	68.4	69.1	70.0	67.9	64.8	59.5	52.8	52.8
OVERALL CALCULATED		69.2	80.3	84.3	85.9	87.7	86.6	86.8	84.5	81.7	78.6	75.0
PND8		79.3	91.9	97.3	99.1	100.1	99.7	100.3	97.6	94.7	91.5	87.0

ORIGINAL PAGE IS OF POOR QUALITY

Run 5/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM: MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT REL. HUM. DAY) PROC. DATE - MONTH 7 DAY 23 HR. 13.3

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0°	1.5°	2.0°	3.0°	4.0°	5.0°	6.0°	7.0°	8.0°	9.0°	10.0°	11.0°	0°	0°	0°	0°	0°	PWL	
FREQ. (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
RADIAL 17. FT.	50																		
	63																		
	80																		
VEHICLE (5. M)	100	70.3	67.8	67.5	65.9	64.6	65.0	68.5	71.5	72.0	72.1	71.8	70.4						103.0
UTASIM	125	78.1	77.5	76.3	75.1	74.6	73.5	71.5	72.8	72.8	72.1	73.1	74.1						107.3
CONFIG G02	160	78.1	76.8	76.0	77.4	77.3	75.8	73.5	75.0	73.5	72.6	73.8	73.6						100.5
LUG SCHEMECTADY	200	79.3	80.8	80.5	80.1	79.3	79.5	78.8	80.5	78.3	75.0	73.5	72.1						111.9
DATE 5/12/75	250	86.0	85.0	84.3	83.9	83.1	82.5	82.2	83.5	82.0	80.0	78.5	76.6						115.6
RUN 5/6	315	89.3	89.0	88.8	87.9	85.8	83.8	82.2	83.0	81.0	80.0	78.8	77.8						117.2
TAPE	400	85.8	85.0	85.3	85.9	84.6	83.3	81.5	80.8	78.3	76.8	74.8	73.6						115.9
BAR 29.7 HG	500	84.1	83.8	83.8	83.6	82.1	80.3	79.3	79.8	78.0	76.6	74.8	72.4						113.3
(00189. N/M2)	630	84.1	84.3	84.6	84.4	83.1	82.6	80.5	80.1	76.8	75.1	73.8	71.6						113.9
TAMB 60. DEG F	800	86.6	85.0	83.6	84.1	83.1	82.3	80.5	80.6	77.8	75.3	72.8	70.6						112.1
(289. DEG K)	1000	87.3	84.0	81.1	79.9	81.1	80.3	79.5	79.3	76.8	74.8	72.0	68.6						112.1
INLET 56. DEG F	1250	78.3	81.1	82.3	83.4	81.6	80.0	78.7	78.4	76.1	73.1	70.3	65.9						110.3
(288. DEG K)	1600	82.1	82.6	81.6	81.2	79.9	78.0	76.7	75.4	73.1	70.0	67.0	63.9						111.8
MACT 11.80 GH/M3	2000	84.6	84.8	83.8	81.2	80.1	77.8	76.7	75.4	73.1	70.0	67.0	63.9						115.6
(.01180 KG/M3)	2500	86.8	87.6	86.8	86.2	84.8	84.0	81.9	80.1	77.1	75.5	71.7	68.9						126.4
MFA 10389. RPM	3150	101.6	98.6	97.2	96.7	94.8	93.7	94.4	92.1	88.9	86.5	84.7	80.8						114.9
(1088. RAD/SEC)	4000	86.5	86.5	86.2	86.4	84.2	82.3	80.5	79.8	77.6	75.4	73.1	69.6						117.4
MFK 10379. RPM	5000	87.7	87.2	86.6	86.0	87.7	84.7	83.2	82.7	80.5	77.4	75.8	71.5						125.7
(1687. RAD/SEC)	6300	94.4	95.4	97.6	96.0	95.4	93.0	92.4	91.2	87.6	84.5	83.2	81.0						122.1
NFD 11517. RPM	8000	91.4	92.6	93.4	92.9	90.9	89.9	88.4	87.8	84.7	81.9	79.7	76.4						126.7
(1206. RAD/SEC)	10000	97.4	96.6	96.8	97.3	96.0	94.4	92.8	92.3	89.4	87.1	84.4	79.9						126.2
NO. OF BLADES 18	12500	94.6	95.2	95.9	95.9	95.4	93.9	92.1	92.1	89.7	86.8	84.6	79.2						125.8
FAN TIP SPEED 18	16000	93.8	93.5	94.3	94.6	93.5	93.5	91.3	91.1	89.5	86.1	84.1	79.2						125.8
997. FT/SEC	20000	92.9	93.6	93.4	94.0	93.3	92.8	90.9	90.4	89.5	85.3	83.3	78.4						124.2
	25000	91.8	91.5	91.4	92.0	91.6	90.5	89.1	89.3	86.9	83.4	81.8	76.5						124.2
	31500	89.7	89.7	89.4	90.2	90.0	88.8	86.7	87.0	85.0	81.5	78.8	73.4						120.7
	40000	85.4	85.9	85.5	86.3	85.3	84.6	83.6	83.4	81.8	77.2	74.9	69.2						117.9
	50000	80.3	81.3	81.4	82.1	80.2	79.0	79.5	79.1	78.1	72.3	70.4	63.6						114.8
	63000	73.7	75.1	74.1	75.3	73.2	72.9	73.2	74.0	72.4	67.2	64.4	59.0						117.2
	80000	71.2	73.9	70.6	72.3	71.0	71.6	71.8	73.5	72.1	69.1	61.9	62.9						
OVERALL MEASURED																			138.7
OVERALL CALCULATED	106.0	105.1	105.3	105.1	104.1	102.6	101.6	101.0	98.6	95.7	93.7	90.0							
PNDB	119.4	117.6	117.0	116.5	114.9	113.6	113.3	111.9	109.6	106.6	104.8	101.4							









Run 5/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS 150. DEG. F. 70 PERCENT REL. HUM. DAY													PROC. DATE - MONTH 7 DAY 23 HR. 13.4						
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	
		FREQ. (10.)	(10.17)	(10.35)	(10.52)	(10.70)	(10.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	0.	0.	0.	0.	0.	0.	0.	
		50	60	70	80	90	100	110	120	130	140	150	160	0.	0.	0.	0.	0.	0.	0.	
RADIAL	17. FT.	63	80																		
VEHICLE	5. HJ	100	66.0	65.8	65.8	64.6	62.6	63.9	66.7	70.0	69.7	69.9	69.1	68.1							101.0
CONFIG	UTMSH	125	75.6	75.0	74.6	73.6	72.1	70.9	70.2	71.0	72.2	72.9	72.8	74.4							100.3
LOC	SCHENECTADY	160	77.3	75.3	75.0	75.9	75.8	74.1	72.4	74.0	73.2	72.1	73.8	74.6							107.7
DATE	5/12/75	200	77.6	79.3	80.0	78.6	78.3	78.6	78.4	78.8	78.4	73.1	70.5	69.1							110.0
RUN	5/8	250	83.0	82.0	81.8	81.1	79.8	79.4	79.7	80.3	78.9	77.3	75.8	73.8							112.0
TAPE		315	84.3	84.6	83.5	83.6	81.3	79.4	78.4	79.3	77.7	76.8	75.0	73.9							112.0
BAR	29.7 HG	400	81.3	81.5	80.8	81.6	80.3	80.1	77.7	78.0	75.7	74.1	72.3	71.4							111.8
		500	79.3	79.3	78.6	78.9	77.6	77.1	77.7	78.6	79.2	78.9	78.0	74.4							111.4
		630	79.1	79.3	78.8	78.2	78.3	78.4	77.2	78.3	78.7	77.1	75.6	74.4							111.4
TAMB	59. DEG F	800	81.6	80.5	79.8	80.4	81.1	83.1	79.7	82.1	78.5	78.6	76.3	75.1							111.3
		1000	81.1	81.3	81.6	82.4	82.6	82.6	80.9	82.1	79.5	77.1	73.5	69.1							113.6
T-ET	57. DEG F	1250	80.8	82.1	83.1	83.9	82.6	83.9	83.4	82.1	80.2	75.9	74.5	70.6							113.0
		1600	78.9	78.3	78.1	79.2	77.4	78.4	76.1	75.9	73.3	72.2	68.8	64.7							114.0
HACT	11.38 GM/H3	2000	81.1	80.1	79.5	79.2	78.0	78.1	76.9	78.9	74.0	72.0	69.0	65.4							109.1
		2500	83.6	85.1	85.0	83.9	83.1	82.6	80.1	81.6	78.5	77.3	73.5	69.7							109.7
NFA	1108.2 RPM	3150	87.1	101.1	98.2	97.2	94.1	92.5	91.8	93.3	92.3	90.5	87.2	81.0							114.3
		4000	88.5	90.5	88.7	88.1	85.5	84.2	83.2	83.8	82.5	80.2	77.4	72.1							117.1
MFK	11082 RPM	5000	85.4	86.2	85.8	85.3	84.9	83.1	81.9	80.7	79.7	77.4	75.8	70.5							117.6
		6300	93.4	93.7	93.4	92.9	91.1	91.1	88.3	90.2	86.5	84.5	82.9	78.3							118.0
NFD	11517 RPM	8000	88.9	89.1	88.4	88.6	87.4	87.0	84.1	83.3	82.1	80.7	78.4	74.1							122.0
		10000	92.9	93.6	92.5	92.8	91.2	90.9	88.8	88.5	86.1	84.9	83.1	78.4							116.7
NO. OF BLADES	18	12500	91.9	92.4	91.4	91.4	90.1	89.0	87.5	87.3	85.7	83.4	81.8	76.5							122.7
FAN TIP SPEED	18	16000	90.3	89.8	90.1	89.3	88.3	87.6	85.7	86.1	84.2	81.1	79.4	75.0							121.8
		20000	89.5	89.1	88.7	88.5	87.4	86.9	84.6	85.4	83.2	80.8	78.8	73.7							120.4
		25000	87.6	87.8	86.9	87.2	85.9	85.6	83.3	83.8	81.6	78.7	77.3	72.8							119.9
		31500	85.3	86.0	84.7	86.0	84.3	83.5	81.1	82.1	79.4	76.8	75.1	69.2							119.1
		40000	81.7	81.8	80.8	81.6	80.1	79.5	77.3	77.4	76.8	72.3	70.7	65.2							119.5
		50000	76.6	77.6	76.2	77.9	75.3	73.7	73.7	73.9	72.8	67.5	66.5	61.2							113.8
		63000	70.6	77.2	70.7	72.9	69.6	66.8	66.5	67.4	65.9	61.4	62.2	58.3							110.3
		80000	71.4	79.8	70.8	72.2	71.1	62.8	62.8	64.3	62.7	58.5	62.0	63.3							114.8
OVERALL MEASURED																					
OVERALL CALCULATED			102.4	104.2	103.0	102.2	100.4	99.0	98.8	98.0	96.9	95.9	92.7	88.8							132.7
PNDR			115.7	116.3	116.9	115.6	113.3	112.3	111.2	112.3	110.8	109.1	106.3	101.0							



Run 5/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PHCC DATE - MONTH 7 DAY 23 HR. 13.4

MODEL SOUND PRESSURE LEVELS (59. DEC. P. 78 PERCENT REL. HUM. DAY)

ANGLES FROM INFLY IN DEGREES (AND RADIANS)

PARAMETER	ANGLE														PWL
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	
FREQ	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
RADIAL 17. FT.	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
VEHICLE UT-SIM	100	65.1	63.5	63.3	61.3	60.6	62.6	65.4	68.0	67.7	67.9	67.3	66.4	66.4	99.9
CONFIC GO	125	73.6	73.3	73.8	72.1	71.1	69.1	69.2	70.3	72.2	71.6	72.3	73.9	73.9	100.0
LOC SCHEMECTADY	160	75.3	74.0	73.6	74.6	74.1	72.9	71.2	73.5	71.9	71.6	73.3	73.4	73.4	100.0
DATE 5/12/75	200	77.3	78.0	80.3	79.3	78.6	79.4	78.7	79.3	75.2	72.2	69.5	68.4	68.4	110.7
RUN 5/9	250	79.0	78.0	77.6	77.3	76.3	75.9	75.4	76.0	74.9	74.3	73.0	71.6	71.6	100.0
TAPE 5/9	315	79.6	80.5	79.6	78.8	77.1	76.1	74.7	75.5	73.9	72.6	71.3	70.6	70.6	100.0
BAR 29.7 HG	400	76.1	76.3	76.1	76.3	75.8	75.6	73.7	74.3	72.2	70.4	69.5	69.1	69.1	107.2
(00189 N/112)	500	73.1	72.5	72.1	70.8	70.1	69.9	69.9	70.6	69.7	68.9	68.8	67.9	67.9	103.5
TAMB 59. DEG F	630	74.3	73.6	73.1	72.3	73.6	73.0	72.7	73.1	72.2	71.4	72.3	71.9	71.9	106.3
(266. DEG K)	800	89.8	88.3	87.8	82.8	85.1	87.1	86.2	85.8	82.2	79.4	77.5	75.6	75.6	117.5
TMET 57. DEG F	1000	86.3	86.0	86.6	86.6	87.3	86.9	85.4	85.3	83.0	80.4	77.8	75.0	75.0	110.1
(267. DEG K)	1250	77.8	78.3	79.4	79.4	78.8	82.9	83.8	81.1	78.5	72.4	75.5	71.6	71.6	113.8
HACT 11.38 GR/M3	1600	63.1	64.3	64.1	63.6	63.1	63.6	63.6	62.9	60.0	78.7	76.0	71.7	71.7	110.3
(.01138 KG/M3)	2000	90.1	89.0	90.3	91.1	90.3	89.1	89.1	89.6	86.0	83.7	81.0	77.4	77.4	121.3
NFA 11356 RPM	2500	84.3	87.1	85.6	85.1	82.8	82.8	81.6	82.6	80.0	79.0	75.5	71.2	71.2	110.3
(1189. RAD/SEC)	3150	93.3	91.5	91.5	96.9	90.3	92.5	87.5	87.8	87.5	83.5	81.7	77.8	77.8	122.8
NFK 11356 RPM	4000	87.5	87.5	86.5	87.3	85.5	85.7	82.7	82.8	82.0	78.7	76.1	72.6	72.6	116.9
(1189. RAD/SEC)	5000	83.4	83.7	83.1	83.0	81.9	80.8	79.4	80.0	77.7	75.7	73.0	68.3	68.3	113.1
NFD 11517 RPM	6300	67.4	67.9	66.9	66.5	65.9	65.1	63.3	62.2	79.8	77.8	76.7	72.8	72.8	110.7
(1206. RAD/SEC)	8000	84.9	85.8	84.5	84.3	83.7	82.8	80.3	80.0	77.6	75.7	73.7	69.9	69.9	114.8
NO. OF BLADES 18	10000	86.9	87.4	86.8	85.5	84.5	83.2	82.3	81.8	79.4	77.7	75.8	71.6	71.6	115.9
FAN TIP SPEED 992. FT/SEC	12500	85.9	85.9	85.5	84.8	83.6	82.7	80.8	80.1	78.7	76.1	74.8	70.2	70.2	110.2
	16000	84.1	83.3	83.4	82.8	82.3	81.4	79.0	78.9	76.7	73.9	72.8	68.5	68.5	113.7
	20000	83.2	83.4	82.5	81.7	81.8	80.6	78.6	78.1	75.9	73.1	71.9	66.9	66.9	113.8
	25000	80.8	81.3	79.7	79.9	78.8	78.9	76.1	75.8	73.9	71.7	69.8	65.5	65.5	111.0
	31500	78.8	78.5	78.0	77.6	76.1	77.0	74.4	74.6	72.4	69.1	67.6	62.8	62.8	111.1
	40000	74.9	75.0	74.1	74.1	73.1	72.5	70.6	70.7	69.6	65.3	63.6	59.5	59.5	108.5
	50000	70.6	70.8	69.3	69.8	67.8	67.7	66.7	67.4	66.3	61.5	61.5	57.7	57.7	109.1
	63000	67.3	67.7	63.5	64.3	62.1	62.8	62.8	65.9	62.7	59.1	60.2	57.3	57.3	105.1
	80000	71.4	70.3	61.1	63.1	61.4	62.6	62.0	65.6	62.4	59.5	62.0	60.8	60.8	109.4
OVERALL MEASURED		99.5	99.2	98.5	98.3	97.7	98.0	96.1	95.9	93.8	91.4	89.4	86.5	86.5	120.4
OVERALL CALCULATED		99.5	99.2	98.5	98.3	97.7	98.0	96.1	95.9	93.8	91.4	89.4	86.5	86.5	120.4
PNWB		113.2	112.4	112.1	111.6	111.0	112.1	109.0	109.1	107.8	104.9	103.0	99.7	99.7	



## Run 5/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 23 HR. 13.6													
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM., DAY)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. )													
		50 63 80													
RADIAL 17. FT.															
1 5. M)															
VEHICLE UTWSIM		100	64.5	63.5	62.8	61.1	60.6	62.1	65.2	67.3	67.4	67.8	67.1	65.6	91.5
CONFIG G02		125	73.0	72.5	73.1	71.6	70.3	68.9	69.2	70.3	71.9	72.4	72.3	74.8	105.8
LOC SCHENECTADY		160	75.2	73.8	73.3	73.8	73.8	72.4	70.9	73.0	72.4	71.9	72.8	73.6	106.5
DATE 5/12/75		200	77.7	79.0	80.8	79.1	78.3	78.6	79.2	79.8	75.4	71.3	69.3	88.1	110.7
RUN 5/10		250	77.7	77.3	76.6	75.5	74.8	74.4	74.2	75.0	73.7	73.3	72.0	70.8	107.7
TAPE		315	78.0	78.8	78.3	77.3	75.6	74.6	73.4	74.3	72.7	72.1	70.5	70.1	107.2
BAR 29.7 HG		400	74.7	75.0	74.3	74.1	73.6	73.1	72.4	73.5	71.7	69.8	69.0	68.9	105.8
(00189. N/M2)		500	71.7	71.3	70.9	69.6	68.3	68.1	67.9	70.1	68.2	67.4	66.8	65.6	102.8
TAMB 59. DEG F		630	72.8	72.0	70.9	71.1	71.8	71.6	70.7	72.3	70.0	69.4	70.1	70.4	104.8
(286. DEG K)		800	87.2	86.3	82.1	83.1	85.8	86.6	85.7	85.3	82.2	79.9	77.5	75.6	117.2
TMT 57. DEG F		1000	86.8	85.5	85.4	86.1	86.8	86.4	84.1	84.1	81.5	79.6	76.5	74.9	117.1
(287. DEG K)		1250	76.0	76.5	76.1	79.1	77.3	82.9	81.9	78.6	77.5	76.2	73.3	70.1	112.2
MACT11.36 GM/M3		1600	85.0	86.3	87.9	87.6	87.3	87.4	86.4	85.4	83.3	82.2	78.5	74.9	110.6
(01136 KG/M3)		2000	90.5	89.3	90.3	92.1	90.8	89.3	88.6	89.1	86.0	83.5	80.3	77.2	121.5
NFA 11480. RPM		2500	83.3	86.1	85.1	83.9	84.3	84.1	83.1	84.4	81.8	81.0	77.0	72.9	116.2
(1202. RAD/SEC)		3150	91.7	91.5	88.5	93.6	90.0	89.5	85.5	87.1	84.5	83.5	82.7	74.4	121.2
NFK 11460. RPM		4000	87.2	87.7	86.2	89.0	86.2	84.9	81.9	82.8	80.5	79.7	78.1	71.1	117.1
(1202. RAD/SEC)		5000	82.4	82.2	82.4	82.0	81.1	79.8	78.9	78.7	77.2	75.2	72.8	68.0	112.3
NFD 11517. RPM		6300	85.3	86.4	85.2	84.9	84.1	83.6	80.8	79.9	77.8	76.5	74.7	70.3	114.9
(1206. RAD/SEC)		8000	83.4	83.6	83.5	83.3	82.2	81.5	78.6	78.8	76.4	74.7	72.4	68.9	113.1
NO. OF BLADES 18		10000	85.5	85.4	84.8	84.5	83.9	81.8	80.5	79.3	77.4	76.2	74.4	69.9	114.4
FAH TIP SPEED 18		12500	84.8	84.4	83.7	82.8	82.1	81.7	78.3	78.3	76.2	74.1	72.8	68.5	113.4
IC02. FT/SEC		16000	82.5	81.5	81.4	81.3	81.0	79.9	76.7	76.9	75.2	72.4	70.6	67.0	112.1
		20000	81.9	81.4	80.8	80.2	80.8	79.1	76.3	76.1	74.7	71.8	69.6	65.7	111.9
		25000	79.5	79.0	78.5	78.4	78.1	77.1	74.1	73.8	72.4	69.7	67.8	63.8	110.3
		31500	76.9	77.2	76.5	76.6	76.8	75.2	72.4	72.8	70.9	67.6	65.6	61.4	109.8
		40000	73.1	73.5	72.1	72.6	71.9	71.2	68.3	68.7	67.8	63.8	62.2	58.7	108.8
		50000	67.8	69.3	67.5	69.3	68.8	65.9	65.2	66.2	65.1	60.7	60.5	57.4	105.8
		63000	62.3	67.9	62.5	65.1	61.6	61.8	61.7	66.9	62.7	59.4	60.7	57.8	105.3
		80000	61.5	70.5	61.1	62.8	61.4	62.3	62.0	66.1	62.4	59.5	62.0	60.3	109.4
OVERALL MEASURED															
OVERALL CALCULATED			98.4	98.3	97.6	99.0	97.7	97.2	95.4	95.6	93.1	91.5	89.3	85.8	129.8
PNDR			111.9	112.0	110.3	113.0	110.8	110.4	107.8	108.5	106.2	104.9	103.4	97.9	



## Run 5/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. 70 PERCENT REL. HUM. DAY)													PROC. DATE - MONTH 7 DAY 23 HR. 13.8				
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																	
FREQ.		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°	PWL
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
RADIAL 17. FT.	50																		
	63																		
	80																		
VEHICLE (5. M)	100	63.7	62.8	62.8	60.6	62.3	61.6	64.9	67.8	67.2	67.4	66.6	65.4						99.4
CON.FIG UTHSIM	125	72.5	71.8	72.6	70.8	69.6	67.9	68.9	70.5	71.7	72.4	72.6	73.9						100.1
LOC SCHENECTAAY	160	75.0	73.0	72.6	73.1	73.1	71.9	70.7	73.3	72.2	71.9	73.6	73.6						100.3
DATE 5/12/75	200	76.7	77.3	79.6	78.3	78.1	78.6	78.9	79.5	74.7	71.6	69.0	68.4						100.4
RUN 5/11	250	76.0	75.3	74.8	74.3	73.0	72.4	72.7	73.8	72.2	71.8	71.3	70.3						100.3
TAPE	315	76.2	76.8	76.1	75.3	74.1	73.1	71.7	73.3	71.4	71.1	69.5	69.1						100.2
EAR 29.7 HG	400	73.7	73.5	72.6	72.3	72.6	72.4	71.7	72.8	71.2	69.6	66.5	66.1						100.9
100189. H/M2)	500	70.2	70.0	69.6	68.1	67.6	67.1	67.7	70.1	67.7	66.6	65.3	64.1						101.2
TAMB 59. DEG F	600	72.8	72.3	71.1	70.6	71.8	72.1	70.9	74.8	70.5	68.6	67.8	67.6						104.8
(266. DEG K)	1000	82.7	82.8	82.1	81.8	84.6	84.9	82.9	84.1	81.2	78.1	73.3	71.4						112.1
INLET 57. DEG F	1250	74.3	75.5	76.9	79.9	77.3	79.9	78.1	78.1	77.7	74.9	73.0	68.8						118.4
(207. DEG K)	1600	83.5	86.6	91.4	91.6	89.6	89.4	68.9	88.1	85.3	84.0	80.0	74.7						118.7
HACT 11.38 GM/M3	2000	87.5	85.8	87.6	88.4	86.1	84.3	83.4	83.4	81.3	78.2	76.8	73.2						121.1
1.01138 KG/M3)	2500	84.0	85.6	87.8	81.6	83.3	83.6	82.6	83.6	81.3	80.0	76.5	72.2						117.0
NFA 11603. RPM	3150	89.5	88.8	86.3	88.1	89.5	85.0	84.0	82.6	82.5	79.5	78.8	71.9						115.4
(1215. RAD/SEC)	4000	86.2	86.2	84.7	86.0	83.7	81.7	81.7	81.0	79.7	77.7	74.6	70.1						117.9
NFF 11603. RPM	5000	81.4	80.4	79.1	79.0	78.9	77.3	75.9	76.0	74.9	72.4	70.8	65.5						115.0
(1215. RAD/SEC)	6300	83.8	83.7	83.7	82.9	82.4	79.9	77.8	77.7	75.5	74.3	73.2	68.0						109.7
NFD 11517. RPM	8000	82.4	82.6	82.5	82.0	81.7	80.0	76.6	76.3	73.6	72.9	70.4	66.9						112.5
(1200. RAD/SEC)	10000	83.5	83.9	83.3	82.7	81.7	79.7	76.3	77.3	75.4	73.7	72.1	67.6						111.7
NO. OF BLADES 18	12500	82.8	83.2	82.2	82.1	81.3	81.0	77.0	76.3	74.4	72.6	70.3	66.0						112.5
FAN TIP SPEED	16000	80.7	80.0	80.1	80.0	79.8	78.6	75.7	75.6	73.0	70.4	68.6	65.3						112.2
1013. FT/SEC	20000	80.6	79.6	79.0	78.5	78.8	78.1	75.3	74.6	72.9	69.9	67.9	63.7						110.7
	25000	77.7	78.0	77.0	76.9	76.8	75.6	72.8	72.6	70.4	67.2	65.8	61.3						110.4
	31500	75.9	75.7	75.2	75.1	75.8	74.7	71.1	72.6	69.4	66.1	64.4	59.9						108.0
	40000	71.3	72.0	70.8	71.3	70.9	70.0	67.6	69.9	66.1	62.6	61.2	57.5						106.0
	50000	66.8	67.6	66.8	67.3	65.5	65.2	64.5	71.9	64.3	60.0	60.0	56.9						105.8
	63000	62.0	63.7	62.0	63.1	61.3	61.8	61.2	72.1	61.7	58.9	60.2	57.3						107.2
	80000	61.5	64.8	61.1	62.6	61.4	62.3	62.0	71.6	62.4	59.5	62.0	64.3						111.4
OVERALL MEASURED																			
OVERALL CALCULATED		96.6	96.6	96.8	96.9	95.8	95.3	94.3	94.4	92.1	90.1	87.5	84.6						112.6
PND8		110.1	109.9	108.8	109.4	107.9	105.9	106.3	106.1	104.7	102.4	99.7	96.1						112.6







	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DATA)														
	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	50	35.8	42.7	47.5	50.2	50.5	50.0	54.1	53.5	53.5	55.2	55.4			
	63	38.8	42.5	47.2	52.4	52.0	59.0	60.7	58.0	53.1	50.8	50.7			
SIDELINE 500 Ft.	80	36.1	43.7	47.8	49.3	50.5	51.5	53.7	53.1	52.6	52.8	51.7			
(152.40 M)	100	35.2	43.2	47.7	49.3	50.5	50.1	52.5	51.6	51.2	50.1	49.5			
NFA 3299 RPM	125	32.9	40.4	45.0	48.0	50.0	51.1	52.6	51.7	50.5	50.4	49.6			
( 345. RAD/SEC)	160	28.6	36.2	40.1	42.7	45.0	46.4	49.6	48.5	47.3	46.2	44.6			
NFK 3290 RPM	200	30.8	38.1	43.0	47.1	49.5	49.1	52.9	51.3	49.1	48.5	47.9			
( 345. RAD/SEC)	250	43.5	50.0	52.6	57.8	61.9	62.1	64.2	61.3	60.4	58.3	55.4			
NFD 3244 RPM	315	39.8	49.4	52.9	59.7	62.1	61.9	63.5	60.4	58.0	53.8	49.7			
( 340. RAD/SEC)	400	29.8	41.2	50.9	52.1	58.1	55.3	55.7	55.4	53.3	52.6	48.2			
AIRFLOW RATIO	500	39.5	53.8	59.2	60.9	62.8	63.3	64.3	62.2	60.6	57.6	52.5			
ME/WH 12.60	630	37.9	50.0	55.7	56.5	56.9	56.5	58.2	56.7	54.8	53.6	49.4			
	800	36.2	48.2	52.0	53.8	55.7	56.3	59.6	57.4	56.3	53.5	48.4			
VEHICLE UTHS:IN	1000	36.8	47.5	56.9	57.8	58.0	58.9	59.6	59.8	57.3	54.1	50.0			
CONFIG G02	1250	34.7	46.2	55.7	56.7	56.7	58.2	58.4	58.4	55.6	53.2	48.6			
LCC SCHEMECTADY	1600	34.7	38.3	44.4	49.1	50.3	50.6	51.8	50.5	48.9	47.4	41.3			
DATE 5/12/75	2000	26.3	40.3	47.2	51.9	53.5	52.3	53.6	51.3	50.6	49.2	43.6			
RUN 5/12	2500	22.6	39.0	46.5	51.1	52.4	51.6	52.3	50.1	49.4	47.7	43.6			
TAPE	3150	19.7	37.1	46.3	49.9	50.7	51.6	51.9	50.2	49.0	47.3	42.9			
FAN TIP SPEED	4000	13.0	33.4	43.1	47.9	51.2	49.3	49.7	48.6	48.8	45.1	40.7			
1022. FT/SEC	5000	6.4	29.7	39.8	46.2	48.4	47.3	48.6	47.6	45.2	43.8	39.4			
	6300		33.7	35.9	43.2	48.1	45.3	48.1	45.2	43.2	40.8	37.0			
	8000		13.4	29.1	36.5	40.1	39.8	40.7	40.8	38.3	36.4	31.6			
	10000		0.8	20.0	29.5	34.2	35.1	36.8	36.4	34.0	32.0	28.1			
OVERALL CALCULATED		49.3	59.5	65.3	67.8	69.8	70.0	71.6	69.6	67.9	65.9	63.0			
PNDP		51.6	63.9	72.7	75.8	77.7	77.9	79.1	77.4	75.7	73.8	69.3			

	50	46.2	52.5	56.8	58.8	58.9	58.3	62.4	61.7	61.7	63.4	63.6			
	63	49.5	59.6	62.4	64.2	66.6	67.5	69.0	64.4	61.4	59.1	59.0			
SIDELINE 200 Ft.	80	47.1	54.1	57.2	58.3	59.2	60.1	62.2	61.5	61.1	61.3	60.2			
( 60.96 M)	100	47.2	54.4	57.3	59.5	59.4	58.8	61.2	60.2	59.8	59.7	58.1			
	125	44.5	51.4	55.0	57.3	59.0	60.0	61.3	60.4	59.2	59.1	58.3			
	160	40.5	48.2	50.3	52.2	54.2	55.4	56.5	57.3	58.2	55.1	53.5			
	200	43.1	49.7	53.4	56.9	58.9	58.3	62.0	60.9	58.1	57.5	56.9			
	250	58.1	61.9	63.2	67.7	71.5	71.4	73.4	70.4	69.5	67.4	64.6			
	315	52.8	61.7	63.8	69.8	71.9	71.3	72.8	69.6	67.2	63.1	59.0			
	400	43.3	53.9	62.1	62.5	66.0	65.0	65.2	64.8	62.7	62.0	57.7			
	500	53.5	66.9	70.7	71.6	72.9	73.1	73.9	71.8	70.1	67.1	62.1			
	630	52.4	63.5	67.5	67.4	67.3	66.5	68.1	66.4	64.5	63.3	59.3			
	800	51.5	60.2	64.3	65.0	66.3	66.6	69.7	67.3	66.2	63.4	58.4			
	1000	52.7	62.0	69.5	69.3	68.9	69.4	69.8	70.0	67.4	64.3	60.3			
	1250	61.6	61.3	68.7	68.5	67.9	69.0	68.9	68.8	68.0	63.6	59.1			
	1600	42.8	54.2	58.1	61.5	61.9	61.7	62.7	61.1	59.8	58.1	52.1			
	2000	45.7	57.0	61.4	64.7	65.4	63.8	64.7	62.3	61.5	60.1	54.8			
	2500	43.6	56.6	61.3	64.3	64.7	63.4	63.7	61.3	60.6	59.0	55.0			
	3150	43.3	56.0	62.0	63.8	63.6	63.9	63.8	61.9	60.6	59.0	54.8			
	4000	40.5	54.3	60.1	62.9	65.0	62.3	62.3	61.0	59.1	57.5	53.4			
	5000	36.2	51.7	57.7	61.8	62.7	60.8	61.7	60.3	57.9	56.6	52.5			
	6300	32.1	49.0	56.0	60.6	61.9	60.2	60.3	59.2	57.1	54.8	51.3			
	8000	24.0	43.9	52.7	55.6	58.2	56.7	56.9	56.6	53.9	52.2	47.8			
	10000	14.0	38.6	48.6	53.5	55.8	54.8	55.6	54.7	52.0	50.2	44.8			
OVERALL CALCULATED		62.8	72.7	77.3	78.9	80.1	80.0	81.2	79.3	77.5	75.5	72.4			
PNDP		69.3	81.4	86.2	89.1	90.3	89.5	90.1	88.4	86.8	85.0	80.9			



FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F @ 70 PERCENT REL. HUM. DAV)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
SIDELINE 500. FT.	50	35.3	42.7	47.3	49.4	50.0	50.7	53.9	53.5	53.0	55.5	54.9		
NFA 3348. RPM	63	38.1	42.2	52.4	55.7	58.3	59.8	62.2	58.3	53.8	50.8	51.9		
( 351. RAD/SEC)	80	34.6	42.9	46.3	48.3	49.7	51.0	52.7	51.8	52.1	52.6	51.0		
NFK 3348. RPM	100	34.6	42.4	46.2	48.3	50.0	49.8	51.8	51.1	50.5	50.4	48.0		
( 351. RAD/SEC)	125	31.4	39.2	44.0	46.7	49.0	50.9	52.6	51.0	50.3	49.9	48.8		
NFD 3244. RPM	160	28.6	36.9	40.1	42.4	44.5	46.4	49.1	48.2	47.1	46.2	44.1		
( 340. RAD/SEC)	200	30.6	38.6	43.0	46.4	48.0	51.1	52.2	50.6	48.4	48.3	46.9		
AIRFLOW RATIO	250	32.7	42.8	51.1	55.5	57.7	59.1	60.0	57.6	55.9	54.3	51.9		
NF/WM 12.60	315	39.1	48.6	52.1	57.9	60.6	60.6	61.5	57.6	56.5	52.6	48.7		
VEHICLE CONFIG	400	39.8	41.2	50.2	52.8	53.8	54.3	53.0	52.7	51.0	51.1	45.9		
LOC SCHEMECTADY	500	35.5	48.0	53.7	55.7	56.8	57.0	58.3	56.2	54.8	53.1	48.7		
DATE 5/12/75	630	38.1	47.8	52.2	54.3	53.8	53.2	55.7	55.4	53.8	51.6	47.2		
RUN 5/13	800	36.7	46.1	52.3	59.3	55.9	59.8	59.9	56.4	54.3	52.7	47.4		
TAPE	1000	37.2	48.7	57.6	60.7	57.5	61.4	61.5	57.6	55.3	54.3	49.5		
FAN TIP SPEED	1250	26.8	39.2	44.9	48.6	50.9	50.2	51.3	49.7	47.9	45.7	40.8		
1038. FT/SEC	1600	27.8	41.4	47.7	51.4	52.4	51.8	51.1	50.8	49.1	47.9	43.0		
OVERALL CALCULATED	2000	26.6	41.2	48.7	51.6	53.0	52.4	51.8	50.8	49.8	47.5	44.1		
PNR	2500	24.3	38.8	47.1	50.8	51.7	52.0	51.9	49.7	48.5	47.3	43.7		
	3150	19.0	36.7	45.4	49.9	52.2	50.1	50.9	48.7	47.4	46.0	41.4		
	4000	9.7	31.9	41.4	47.4	49.5	48.3	48.8	47.5	45.4	43.8	38.6		
	5000	6.5	29.1	39.5	46.2	48.8	47.8	47.8	47.7	44.2	42.5	37.8		
	6300		21.8	34.7	41.8	43.9	43.0	43.8	43.1	40.7	39.4	34.0		
	8000		12.6	28.2	38.4	39.6	39.6	40.9	40.3	37.3	35.6	29.9		
	10000			18.8	28.4	31.8	33.1	34.8	33.9	31.1	29.1	24.2		
		47.5	57.5	63.9	67.2	67.6	68.9	69.8	67.0	65.4	64.3	61.7		
		49.8	63.5	71.4	75.3	78.0	76.7	77.2	75.2	73.5	72.1	67.0		

SIDELINE 200. FT.	50	45.7	52.5	58.3	58.1	58.4	59.0	62.1	61.7	61.2	63.7	63.1		
( 60.96 M)	63	48.8	59.3	61.6	64.4	66.8	68.2	70.5	64.6	62.2	59.1	60.3		
	80	45.6	53.3	59.7	57.3	58.8	59.6	61.2	60.3	60.6	61.0	59.5		
	100	43.9	53.1	55.8	57.5	58.9	59.5	60.4	59.7	59.0	59.9	57.8		
	125	43.0	50.1	54.0	56.1	58.0	59.7	61.3	59.7	59.0	58.6	57.6		
	160	40.5	49.2	50.3	52.0	53.7	55.4	58.0	57.1	55.9	55.1	53.0		
	200	42.8	50.2	53.4	56.1	57.4	60.3	61.2	59.5	57.3	57.2	55.9		
	250	52.3	59.7	61.7	65.5	67.3	68.4	69.1	68.7	65.0	63.4	61.1		
	315	52.1	60.9	63.1	68.1	70.4	70.1	70.8	66.9	65.7	62.1	58.0		
	400	43.3	53.9	61.4	63.2	63.8	64.0	62.5	62.1	60.4	60.5	55.4		
	500	49.5	61.1	65.2	66.3	66.9	66.9	67.9	65.8	64.4	62.6	58.4		
	630	50.8	61.3	64.0	65.2	64.0	63.3	65.6	65.2	63.3	61.3	57.0		
	800	52.0	60.2	68.5	70.5	66.6	70.1	69.9	68.4	64.2	62.6	57.4		
	1000	63.2	61.2	70.3	72.2	68.3	71.9	71.8	67.7	65.4	64.5	59.8		
	1250	43.6	54.4	57.9	60.5	62.1	60.9	61.8	60.0	58.2	58.0	51.3		
	1600	48.9	57.3	61.3	63.7	63.9	63.8	61.8	61.8	59.7	58.8	54.7		
	2000	46.0	57.9	62.9	64.3	65.0	63.8	62.9	61.8	60.5	58.4	55.2		
	2500	45.3	58.3	61.9	64.0	64.0	63.7	63.4	61.0	59.7	58.6	54.4		
	3150	42.6	55.6	61.0	63.9	65.1	62.3	62.8	60.4	59.0	57.7	53.4		
	4000	37.2	52.7	58.4	62.4	63.3	61.4	61.5	59.9	57.7	56.3	52.3		
	5000	36.2	51.0	57.3	61.8	63.1	61.1	60.9	60.5	58.9	55.3	50.8		
	6300	30.8	47.1	54.8	59.0	59.7	57.8	57.9	57.0	54.6	53.4	48.3		
	8000	22.9	43.1	51.9	56.5	57.7	56.5	57.1	56.1	53.9	51.4	46.1		
	10000	18.9	35.5	45.4	50.4	52.9	52.9	53.3	52.2	49.1	47.4	43.0		
OVERALL CALCULATED		61.2	70.7	76.0	78.4	78.1	78.9	79.5	76.7	75.0	73.8	70.9		
PNR		68.8	80.4	85.9	88.7	89.4	88.4	88.7	86.6	84.8	83.5	79.4		

ORIGINAL PAGE IS OF POOR QUALITY

Run 5/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PHCC DATE - MONTH 7 DAY 23 HR. 13.8																
		MOTEL SOUND PRESSURE LEVELS (90 DEC. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANE)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		FREQ.	(0.)	(0.17)	(0.33)	(0.52)	(0.76)	(1.07)	(1.51)	(2.01)	(2.61)	(3.34)	(4.24)	0.	0.	0.	0.	0.
		50																
		63																
		80																
RADIAL	17. FT.	100	64.7	64.3	63.6	61.6	60.3	62.4	65.4	67.3	67.2	67.4	66.8	65.9				69.6
VEHICLE	UTMSIM	125	73.5	73.0	73.3	71.3	70.3	68.9	68.9	70.3	71.9	72.1	72.9	74.4				109.4
CONFIG	GU2	100	75.2	73.6	73.6	73.8	74.1	72.4	71.2	73.3	72.4	71.9	73.1	72.9				106.5
LOC	SCHENECTADY	200	78.2	78.8	81.3	79.8	78.8	79.1	79.7	79.8	75.4	71.9	69.5	68.4				111.1
DATE	5/12/75	250	78.5	78.0	77.6	76.5	75.8	74.9	74.9	76.3	74.7	73.8	72.5	71.6				108.6
RUN	5/14	315	79.0	79.3	78.8	78.1	76.3	75.1	74.2	75.3	72.9	72.1	71.0	70.4				108.3
TAPE		400	76.0	76.0	75.1	75.3	75.6	74.6	73.7	74.3	72.2	70.4	69.8	68.0				106.9
BAR	29.7 HG	500	72.5	71.8	71.4	70.3	69.1	68.9	70.4	69.6	68.4	67.4	65.8	68.4				102.6
	(00169. N/HM2)	630	73.5	72.8	72.9	72.3	72.6	72.9	73.2	72.1	70.7	69.9	70.6	70.6				117.1
TAMB	59. DEG F	800	88.2	86.5	81.9	82.3	85.1	86.6	85.9	85.3	82.0	79.6	72.8	75.6				117.5
	(286. DEG K)	1000	87.0	86.5	86.1	85.6	87.3	86.6	85.4	84.1	82.0	80.1	77.5	75.1				113.3
TEI	57. DEG F	1200	77.3	77.3	78.4	79.6	77.6	83.4	83.9	80.6	77.7	76.4	74.8	71.1				110.1
	(287. DEG K)	1600	63.5	64.9	65.1	64.6	63.6	64.1	64.6	63.1	61.5	60.0	77.0	72.4				121.0
HAET	11.38 GM/H3	2050	91.3	89.8	90.8	91.6	90.0	89.6	89.1	89.4	88.3	84.5	81.0	72.2				115.1
	(.01138 KG/H3)	2500	84.3	86.6	85.1	84.1	82.8	82.8	81.6	82.4	80.3	79.5	75.7	71.4				122.3
NFA	11426. RPM	3150	92.5	91.5	89.3	93.1	91.0	92.6	87.3	87.8	87.0	84.3	83.2	77.1				117.2
	(1196. RAD/SEC)	4000	87.7	87.5	85.5	88.0	86.2	88.4	82.7	82.8	82.2	79.2	77.6	72.1				112.0
NFK	11426. RPM	5000	83.1	82.7	82.4	82.0	81.9	81.1	79.6	79.5	77.7	75.4	73.3	67.5				116.1
	(1196. RAD/SEC)	6300	87.0	87.9	86.2	86.4	84.9	84.4	82.1	82.2	78.8	77.5	75.4	71.0				113.7
NFD	11517. RPM	8000	84.6	84.8	84.0	84.3	82.4	81.8	79.3	79.3	78.8	78.7	73.7	69.1				118.0
	(1208. RAD/SEC)	10000	86.0	86.1	85.3	84.7	83.5	82.2	81.3	80.5	78.4	76.7	75.1	70.4				114.4
NO. OF BLADES	18	12500	85.0	85.2	84.5	83.8	83.1	82.5	79.5	79.6	77.7	75.1	73.6	69.0				113.0
FAN TIP SPEED		16000	83.5	82.5	82.9	82.3	81.5	80.9	77.7	77.6	76.2	72.9	71.8	67.5				112.7
	997. FT/SEC	20000	82.6	82.1	81.5	81.7	81.1	79.9	77.1	77.1	75.2	72.6	71.1	66.4				111.1
		25000	80.5	80.3	78.7	79.2	78.6	77.8	75.3	74.6	73.1	70.7	68.8	64.3				110.5
		31500	78.2	79.0	77.5	77.2	77.3	76.7	73.9	73.6	71.7	68.6	66.4	61.7				107.6
		40000	74.1	74.0	73.1	73.6	72.6	71.2	69.6	69.4	68.6	64.6	62.7	58.7				108.3
		50000	69.5	70.3	69.0	69.8	67.3	66.4	66.0	66.4	65.6	61.0	60.7	57.7				108.0
		63000	63.0	68.9	63.0	65.6	62.1	62.1	61.5	64.9	62.4	58.9	60.5	57.8				109.2
		80000	61.5	71.3	61.1	63.1	61.4	62.3	62.0	64.1	62.4	59.5	62.0	62.9				129.3
OVERALL MEASURED			99.1	98.7	97.8	98.7	97.8	97.9	95.9	95.7	93.6	91.6	89.6	84.8				
OVERALL CALCULATED		PNTB	112.7	112.2	110.7	112.7	111.3	112.0	108.8	109.0	107.5	105.3	103.7	99.1				

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT)											
	ANGLES FROM INLET IN DEGREES (AND RADIAN)											
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
FREQ. (0.110.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
SIDELINE 500. FT.	50	36.3	43.7	48.3	51.2	51.3	51.2	54.1	53.7	53.3	54.3	53.7
(152.40 M)	63	40.6	51.0	53.2	55.7	57.8	59.5	60.4	58.5	53.1	50.8	49.0
NFA 3218. RPM	80	39.8	45.7	50.3	52.3	53.2	54.5	56.7	55.6	54.9	53.4	52.8
( 337. RAD/SEC)	125	39.8	47.4	51.4	52.5	53.1	53.6	55.5	53.8	53.0	51.7	50.6
NFR 3218. RPM	150	35.7	43.2	48.3	51.5	52.5	52.9	54.3	52.7	51.0	50.3	48.9
( 337. RAD/SEC)	200	30.6	38.9	42.9	44.7	45.5	49.4	49.4	48.7	47.8	47.1	46.2
NFD 3244. RPM	250	30.8	39.8	44.5	47.9	50.2	51.9	51.7	50.8	50.1	50.7	50.2
( 340. RAD/SEC)	315	43.7	48.3	54.1	62.0	63.7	64.4	64.7	61.8	59.7	57.7	55.0
AIRFLOW RATIO	400	42.8	51.9	56.9	61.9	63.4	63.6	63.2	61.6	60.0	57.2	54.2
WE/WH 12.60	500	32.6	43.5	50.4	51.8	59.8	61.8	59.5	57.2	56.0	54.2	50.0
VEHICLE UTILITY	600	39.0	49.5	54.9	57.4	60.3	62.3	61.8	60.7	59.3	56.2	51.0
CONFIG CO2	800	42.9	54.5	61.4	64.3	65.4	66.5	67.7	65.2	63.8	59.8	56.6
LOC SCHENEGADY	1000	39.5	51.7	58.8	61.8	63.0	64.1	65.4	62.9	61.3	57.6	53.2
DATE 5/12/75	1250	41.8	51.2	61.7	63.5	67.5	63.9	65.6	65.3	62.8	61.5	54.8
RUN 5/14	1600	36.0	46.4	55.9	58.2	61.0	59.3	60.7	60.2	57.4	55.6	49.4
TAPE	2000	39.0	42.4	50.5	54.0	55.5	56.8	58.2	55.7	54.1	50.8	46.0
FAN TIP SPEED	2500	31.8	44.5	52.4	55.4	57.8	57.3	58.6	55.8	54.8	52.5	47.5
997. FT/SEC	3150	26.1	41.0	49.5	52.3	54.7	54.1	55.3	53.3	52.8	52.4	45.2
OVERALL CALCULATED	4000	23.2	40.4	48.6	52.4	54.2	55.3	55.9	54.4	53.0	51.2	45.7
PNDB	5000	16.0	38.4	45.6	50.4	53.2	52.5	53.9	52.8	50.5	48.7	43.3
	6300	9.9	33.2	43.1	48.2	51.1	50.3	51.6	51.1	48.0	46.8	41.5
	8000		28.7	39.1	45.2	48.1	47.8	49.6	48.5	46.2	44.4	38.8
	10000		15.9	31.3	38.7	42.8	43.3	44.5	44.1	42.0	39.8	34.2
			3.8	22.3	32.0	37.2	38.1	42.0	39.4	36.7	34.1	28.1
			51.5	61.2	68.0	71.0	73.5	73.5	74.3	72.5	70.7	68.4
			55.1	67.8	75.5	78.9	81.7	81.5	82.6	80.7	78.9	76.8

	50	46.7	53.5	57.3	59.8	59.7	59.9	62.4	61.9	61.5	62.6	62.0
SIDELINE 200. FT.	63	51.3	61.1	63.1	64.4	66.3	68.0	68.8	64.9	61.4	59.0	57.4
( 60.96 M)	80	50.1	57.1	59.7	61.3	62.0	63.1	65.2	64.0	63.3	61.9	60.5
	100	50.9	58.1	61.1	61.7	62.1	62.3	64.2	62.2	61.5	60.3	59.2
	125	47.2	54.1	58.2	60.8	61.9	61.7	63.1	61.4	59.7	59.0	57.6
	150	42.5	50.2	53.0	54.2	55.7	58.4	58.3	57.6	58.7	55.9	54.1
	200	43.1	51.4	54.9	57.6	59.6	61.0	60.7	59.8	59.1	59.6	59.3
	250	52.3	60.2	64.7	70.0	73.3	73.7	73.9	70.9	68.8	68.8	64.2
	315	55.8	64.2	67.8	72.1	73.1	73.1	72.8	70.9	69.2	66.4	63.6
	400	48.0	56.1	61.6	62.2	69.8	71.5	69.0	68.6	65.4	63.8	59.5
	500	53.0	62.6	66.5	68.1	70.4	72.1	71.4	70.3	68.9	65.8	60.7
	630	57.4	68.0	73.3	75.2	75.8	76.5	77.6	74.9	73.3	69.7	65.4
	800	54.7	65.7	71.0	73.0	73.6	74.4	75.4	72.8	71.2	67.5	63.2
	1000	57.7	65.8	74.3	75.1	78.4	74.4	75.8	75.5	72.9	71.6	65.1
	1250	52.9	61.5	69.0	70.0	72.2	70.1	71.2	70.6	67.7	66.0	59.9
	1600	47.0	58.3	64.1	68.3	67.0	67.9	69.0	66.4	64.7	61.5	56.8
	2000	51.2	61.2	66.7	68.2	69.7	68.8	69.7	66.8	65.7	63.5	58.6
	2500	47.1	58.6	64.3	65.6	67.0	65.9	66.7	64.6	63.8	61.8	56.6
	3150	46.8	59.2	64.3	66.3	67.1	67.4	67.8	66.2	64.6	62.9	57.6
	4000	43.5	57.3	62.6	65.4	67.0	65.6	66.6	65.2	62.8	61.1	56.0
	5000	39.7	55.2	60.9	63.6	65.4	63.8	64.7	63.8	60.7	59.4	54.6
	6300	35.3	52.0	59.3	62.6	63.9	62.7	63.8	62.5	60.1	58.4	53.1
	8000	27.3	46.4	55.0	58.9	60.9	60.2	60.6	59.8	57.7	55.6	50.4
OVERALL CALCULATED	10000	16.5	41.3	50.8	56.0	58.6	57.8	58.8	57.7	54.8	52.3	46.6
PNDB		65.4	74.6	80.3	82.2	84.1	83.6	84.3	82.4	80.5	78.2	74.1
		73.0	84.1	89.6	91.8	93.5	93.2	93.7	92.0	90.2	88.2	83.5

## Run 5/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

PROC. DATE - MONTH 7 DAY 23 HR. 13.8

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ	0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	PWL
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
	50																		
	63																		
	80																		
RADIAL 17. FT.																			
(5. H)	100	63.7	62.5	62.8	60.8	59.6	61.0	64.2	65.8	65.9	65.9	65.3	64.6						88.1
VEHICLE UTMS:II	125	72.5	71.8	72.6	70.3	69.1	67.9	69.2	69.5	71.4	71.9	72.1	73.1						104.7
CONFIG G02	160	74.2	72.8	72.1	72.8	72.6	71.1	70.2	72.3	71.4	71.4	72.8	73.1						105.7
LGC SCHENECTADY	200	74.7	75.3	76.6	75.3	75.3	75.0	75.4	75.3	71.9	69.1	67.3	65.8						107.2
DATE 5/12/75	250	76.7	76.0	75.6	74.8	73.8	73.1	72.9	74.3	72.7	72.1	71.0	69.8						106.7
RUN 5/15	315	76.7	77.3	76.3	75.8	74.6	73.9	72.2	73.8	71.9	71.1	69.8	69.1						109.7
TAPE	400	74.0	72.8	72.6	72.3	72.6	72.1	71.4	72.8	70.7	69.4	68.5	67.9						104.0
BAP 29.7 HG	500	71.2	70.8	70.9	69.3	68.8	68.9	71.2	72.1	72.9	72.9	72.8	72.8						105.4
(00169. H/M2)	630	74.5	73.0	72.6	70.8	72.3	72.9	74.7	75.3	76.0	75.9	76.1	76.1						108.0
TANB 60. DEG F	800	87.7	86.3	82.1	84.3	88.3	87.9	86.9	86.6	82.5	80.4	78.3	75.9						110.1
(28. DEG K)	1000	86.7	86.3	86.1	86.3	87.1	86.4	84.4	85.1	82.7	80.4	77.3	75.4						117.0
TUET 58. DEG F	1250	76.3	75.8	76.9	77.6	77.8	81.6	81.6	78.1	77.2	75.7	73.5	70.9						111.7
(288. DEG K)	1600	85.0	86.3	86.8	87.1	86.6	86.6	86.1	84.6	82.0	81.2	77.8	74.2						117.9
NACT 11.60 GM/M3	2000	90.8	90.3	91.4	92.4	91.3	90.1	89.1	89.4	86.5	84.5	81.0	77.9						122.1
(.01180 KG/M3)	2500	83.8	86.3	84.8	84.1	83.6	83.6	82.8	83.9	81.5	80.5	76.5	71.9						115.9
NFA 11200. RPM	3150	93.0	89.5	89.0	92.4	90.5	87.6	86.3	88.1	85.8	83.5	82.2	78.4						121.8
(1121. RAD/SEC)	4000	86.7	86.2	85.2	86.5	85.0	81.9	81.2	82.0	80.0	78.2	75.9	71.1						115.8
NFY 11269. RPM	5000	82.6	82.4	82.4	82.2	81.6	80.3	79.9	79.2	77.7	75.4	73.0	67.8						112.7
(1180. RAD/SEC)	6300	86.5	86.7	85.2	85.6	84.4	83.4	81.1	80.9	77.5	76.5	74.7	70.5						115.2
NFI 11517. RPM	8000	82.6	83.3	83.0	82.5	81.7	80.8	78.8	78.2	75.9	73.9	72.4	68.6						112.0
(1206. RAD/SEC)	10000	85.0	85.1	84.3	84.5	83.5	81.7	80.5	79.0	77.6	75.9	73.9	69.9						114.3
NO. OF BLADES 18	12500	84.3	84.7	83.0	83.5	82.8	82.0	79.3	78.6	76.7	74.6	73.3	68.4						113.6
FAL TIP SPEED 16000	16000	82.5	81.8	81.8	80.8	81.5	79.6	76.7	77.1	74.7	72.1	71.1	66.7						112.1
(985. FT/SEC)	20000	81.1	81.3	80.2	79.9	80.1	78.9	76.3	76.1	74.2	70.9	70.1	65.4						111.0
	25000	79.5	79.0	78.4	78.1	77.6	76.8	74.3	73.6	72.1	69.2	67.6	63.8						116.1
	31500	77.1	77.2	76.2	76.6	76.3	74.9	72.3	72.3	71.1	67.5	65.8	61.1						109.4
	40000	72.0	72.9	72.3	72.5	71.1	70.4	68.8	68.4	67.5	63.3	62.4	57.7						106.5
	50000	67.7	69.0	67.5	69.2	65.9	65.8	65.1	65.0	64.7	60.4	60.4	57.8						104.7
	63000	62.2	68.1	61.9	64.5	61.5	61.5	61.6	64.3	62.6	59.0	60.1	58.0						104.5
	80000	61.4	69.7	60.9	63.0	61.2	62.0	61.9	64.0	62.3	59.4	61.9	64.2						109.2
OVERALL MEASURED																			
OVERALL CALCULATED		98.7	98.0	97.5	98.8	97.8	96.8	95.7	95.8	93.3	91.8	89.4	88.4						120.9
PND8		112.6	110.9	110.4	112.2	110.9	109.3	108.1	109.0	106.8	104.9	103.2	98.9						

Run 5/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 23 HR. 13.0

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM NOISE DATA (59. DEG. P. 70 PERCENT OGL. NUM. DAT)															
	ANGLES FROM INLET IN DEGREES (AND RADIAN)															
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
50	35.3	42.2	47.3	49.7	50.0	50.2	53.1	52.7	52.8	54.1	54.0					
63	37.1	46.2	49.4	52.2	54.3	55.3	55.9	53.0	50.3	48.4	48.3					
SIDELINE 500. FT. (152.40 M)	80	37.1	44.7	48.5	50.3	51.5	52.5	54.7	53.6	53.1	51.9	50.3				
NFA 3177. RPM (333. RAD/SEC)	100	37.6	44.9	49.2	50.8	52.0	51.6	54.0	52.6	52.0	50.5	49.3				
NFK 3174. RPM (332. RAD/SEC)	150	32.4	40.7	45.3	48.5	50.0	50.6	52.8	51.2	53.0	49.1	47.9				
NFD 3244. RPM (340. RAD/SEC)	200	22.6	32.4	41.2	44.4	46.5	50.1	51.9	53.2	53.3	53.1	52.4				
AIRFLOW RATIO	250	31.1	39.6	43.0	47.6	50.2	53.4	54.9	56.1	56.1	56.2	55.7				
WE/WC 12.90	315	43.5	48.5	56.1	61.3	64.9	65.4	66.0	62.3	60.4	58.2	55.2				
VEHICLE CONFIG	400	42.6	51.9	57.6	61.7	63.1	62.6	64.2	62.4	60.2	56.9	54.5				
LOC SCHENECTADY	500	31.1	42.0	48.4	52.1	56.1	59.6	57.0	56.7	55.3	53.0	49.8				
DATE 5/12/75	630	40.5	51.0	57.4	60.4	62.6	63.8	63.3	61.2	60.6	57.0	52.8				
RUN 5/15	800	43.4	55.0	62.2	64.9	65.9	66.5	67.7	65.4	63.6	59.9	56.3				
TAPE	1000	40.0	52.2	59.5	62.3	63.5	64.1	65.4	63.1	61.3	57.6	53.9				
FAN TIP SPEED	1250	39.8	51.0	61.9	63.0	62.8	62.9	65.8	64.1	62.0	60.5	54.1				
905. FT/SEC	1500	34.7	46.2	54.4	57.2	58.6	59.3	60.7	58.4	56.6	53.8	49.2				
OVERALL CALCULATED	2000	38.7	42.9	51.2	54.5	56.0	56.8	58.2	58.0	54.1	50.8	46.7				
PNB	2500	39.6	43.5	51.7	54.9	56.7	56.3	57.3	54.6	53.8	51.8	47.0				
	3150	44.6	49.0	47.7	51.6	53.7	53.6	54.3	52.8	50.9	49.1	44.7				
	4000	42.2	39.3	46.3	52.3	53.7	54.6	54.4	53.7	52.2	49.9	45.2				
	5000	35.5	34.9	45.3	50.2	52.7	52.2	52.9	51.8	50.0	48.5	42.8				
	6300	9.2	32.2	41.6	48.2	49.9	49.3	51.1	49.5	47.2	45.9	40.8				
	8000		35.4	37.4	44.2	47.1	47.1	49.5	47.5	44.5	43.4	37.8				
	10000		15.6	30.3	37.7	41.0	42.3	43.5	43.0	40.5	38.5	33.7				
	15000			2.3	21.5	31.0	35.4	36.5	39.7	38.9	35.7	33.3	27.6			
	PNB	50.9	60.9	69.1	71.2	72.6	73.3	74.4	72.3	70.7	68.2	65.1				
		54.8	67.6	75.5	78.9	80.7	81.2	82.3	80.4	78.7	76.2	73.0				

50	45.7	52.0	56.3	58.3	58.4	58.5	61.4	60.8	61.0	62.3	62.2					
63	47.8	56.3	58.6	60.9	62.8	63.7	64.3	61.4	58.7	56.7	54.8					
SIDELINE 200. FT. (60.96 M)	80	48.1	55.1	58.0	59.3	60.2	61.1	63.2	62.0	61.6	60.4	58.8				
100	48.9	55.6	58.8	60.8	60.9	60.3	62.7	61.2	60.5	59.1	58.0					
125	44.0	51.6	55.2	57.6	59.0	59.5	61.6	59.9	58.7	57.8	56.6					
150	41.5	49.7	52.3	54.0	55.7	59.1	60.5	62.1	62.2	61.9	61.3					
200	43.3	51.2	53.4	57.4	59.6	62.5	64.0	65.0	65.1	65.1	64.8					
250	56.1	60.4	66.7	71.2	74.5	74.7	75.1	71.4	69.5	67.3	64.4					
315	55.6	64.2	68.6	71.8	72.9	72.1	73.6	71.6	69.4	68.2	63.8					
400	44.5	54.6	59.6	62.5	68.6	69.2	66.5	66.1	64.7	62.4	59.3					
500	54.5	64.1	69.0	71.1	72.9	73.6	72.9	70.8	70.1	66.5	62.4					
630	57.9	68.5	74.0	75.7	76.3	76.5	77.6	75.2	73.3	69.7	66.1					
800	55.2	66.2	71.8	73.5	74.1	74.4	75.4	73.1	71.2	67.5	64.0					
1000	55.7	65.5	73.5	74.6	73.7	73.4	76.1	74.2	72.1	70.8	64.4					
1250	51.6	61.4	67.5	69.1	69.8	70.1	71.2	68.8	66.9	64.2	59.7					
1500	46.8	58.8	64.9	68.8	67.5	67.9	69.8	68.6	64.7	61.2	57.5					
2000	50.0	60.2	65.9	67.7	68.7	67.8	68.5	65.6	64.7	62.7	58.1					
2500	45.6	57.6	62.5	64.8	65.0	65.4	65.7	63.8	62.1	60.4	56.1					
3150	45.8	58.2	64.0	66.3	66.6	66.9	66.3	65.4	63.9	61.6	57.1					
4000	43.0	55.7	62.4	65.1	66.5	65.3	65.6	64.2	62.3	60.9	55.4					
5000	38.9	54.2	59.4	63.7	64.2	62.8	64.2	62.3	59.9	58.7	53.8					
6300	34.5	50.8	57.5	61.6	62.6	61.9	62.8	61.4	58.3	57.4	52.1					
8000	26.0	46.1	54.0	57.8	59.9	59.2	59.6	58.8	56.1	54.3	49.8					
10000	15.7	40.0	50.0	54.9	56.8	56.3	57.5	57.1	53.8	51.5	46.4					
OVERALL CALCULATED	64.9	74.5	80.3	82.3	83.3	83.4	84.3	82.1	80.4	78.0	74.7					
PNB	72.1	83.4	89.2	91.7	92.9	92.6	93.1	91.5	89.9	87.8	83.5					

ORIGINAL PAGE IS  
OF POOR QUALITY



Run 12, Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 56 DAY 8 HR. 8.8

MODEL SOUND PRESSURE LEVELS (50, DEG. F., 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (50, DEG. F., 70 PERCENT REL. HUM., DAY)													PWL					
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.	
	FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	56.1	60.9	66.1	66.8	68.3	69.3	68.8	67.3	66.8	67.3	66.1	64.8	64.8						101.0
RADIAL 17. FT.	63	71.8	72.3	73.0	75.5	75.5	75.0	72.3	73.0	74.5	76.0	73.3	74.0						108.0
( 5. M)	80	63.0	67.1	66.1	66.1	67.6	67.4	71.9	73.9	73.9	76.4	73.6	71.1						104.3
VEHICLE U/M/SIN	100	63.9	65.4	67.6	66.6	64.6	65.9	67.6	69.6	70.9	71.6	71.1	69.4						103.1
CONFIG	125	70.9	78.2	75.2	74.2	73.4	72.2	71.7	71.4	70.7	69.7	69.4	69.4						105.5
LOG SCHEMECTADY	150	73.1	74.1	73.4	75.4	75.1	73.4	72.4	71.9	71.6	69.9	68.9	66.9						105.9
DATE 05-29-75	200	77.8	78.3	77.7	77.2	76.5	75.9	75.7	75.3	74.5	71.7	69.2	67.7						104.4
RA 12/4	250	85.0	83.8	83.2	82.7	81.5	79.9	79.5	79.3	79.5	78.5	75.2	72.7						111.3
TAPE X00040	315	86.3	85.9	85.2	85.2	84.0	81.0	80.8	79.0	76.7	75.5	73.5	72.0						114.7
BAR 29.9 NO	400	84.4	83.6	83.9	83.7	82.4	81.7	80.4	78.6	76.1	74.4	71.6	69.9						113.7
(1056M. N/M2)	500	83.8	84.1	84.3	85.3	83.3	81.5	80.5	79.3	77.1	75.3	72.6	69.8						113.9
TANK 71. DEG F	630	81.9	87.4	87.7	88.0	87.2	84.8	83.2	81.9	79.0	75.2	73.2	71.2						111.2
(275. DEG K)	800	80.0	89.0	89.7	90.5	89.5	88.1	86.2	83.5	81.3	78.5	75.3	72.5						110.2
TWT 57. DEG F	1000	87.7	87.7	88.4	89.2	87.7	85.9	83.4	81.5	78.7	76.5	72.5	70.2						117.4
(289. DEG K)	1250	89.5	89.3	88.7	89.1	87.6	85.3	83.2	80.9	78.5	76.3	72.6	69.3						117.4
HACT 3. G/M3	1500	89.6	89.6	87.6	87.2	85.2	83.6	81.3	78.7	76.4	74.9	70.6	66.6						115.4
(. KG/M3)	2000	85.9	84.2	84.2	84.4	83.1	82.0	80.4	77.6	74.5	73.3	68.7	66.5						115.3
NFA 9693. RPM	2500	85.9	88.4	87.9	88.8	90.5	90.2	88.8	85.5	82.2	80.5	75.9	72.9						120.2
(1015. RAD/SEC)	3150	95.2	93.7	94.1	94.1	97.3	97.3	95.1	92.5	88.9	87.5	82.7	80.0						126.5
NFR 5543. RPM	4000	85.5	86.0	85.8	86.6	87.1	87.3	88.6	84.9	81.9	79.0	75.4	72.9						117.5
(1003. RAD/SEC)	5000	91.1	90.6	91.3	93.9	93.1	92.9	91.5	88.6	84.6	81.5	76.9	75.4						121.5
NFD 11917. RPM	6300	97.8	99.0	99.4	98.4	98.1	97.4	95.4	93.6	88.1	83.9	83.6	80.2						124.3
(1239. RAD/SEC)	8000	102.9	105.8	107.7	107.4	105.8	105.5	101.9	103.4	99.2	96.9	90.9	87.9						135.2
NO. OF BLADES 18	10000	95.4	96.9	100.6	105.3	104.9	102.2	103.0	95.6	92.6	87.9	86.9	84.8						133.4
FAN TIP SPEED 846. FT/SEC	12500	93.4	94.6	95.8	98.7	99.7	99.5	93.3	95.3	90.3	86.5	83.6	81.1						125.9
	15000	92.1	94.8	95.3	96.8	95.3	95.1	95.8	92.0	88.2	82.7	80.8	79.3						124.4
	20000	86.6	90.1	92.8	94.7	96.7	96.1	95.1	95.5	86.7	80.6	77.9	75.8						127.3
	25000	86.8	88.0	90.4	94.3	94.6	93.4	92.0	83.1	83.4	76.0	72.8	71.1						125.5
	31250	85.6	86.3	88.1	90.8	92.6	92.1	93.3	84.7	81.1	74.1	68.9	67.0						124.3
	40000	83.1	83.8	85.6	88.2	89.1	88.6	87.4	81.2	79.5	71.0	65.5	64.4						122.5
OVERALL MEASURED																			
OVERALL CALCULATED	105.4	110.2	111.2	111.1	110.6	109.7	107.3	104.6	100.2	96.2	94.8	92.2							149.6
PNCB	118.2	121.6	122.3	121.4	120.5	119.9	117.2	115.3	111.0	108.4	106.3	103.5							

Run 12/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PMOC; DATE - MONTH 06 DAY 0 HR, 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50. DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ. (0.17)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (1.92)	110. (2.0)	120. (2.09)
50		39.7	43.6	49.9	52.3	52.3	52.5	52.8	52.9	51.3	53.2	49.8		
63		40.1	47.4	51.4	53.3	53.1	55.6	55.9	55.8	53.0	53.3	48.4		
SIDELINE 500 FT. (152.40 M)	80	44.8	52.3	56.5	58.0	57.9	59.1	60.2	60.4	59.5	56.8	53.2		
NFA 2730 RPM (285. RAD/SEC)	125	43.3	52.0	56.6	58.3	58.5	59.6	55.7	56.7	55.1	52.2	49.9		
NFK 2699 RPM (283. RAD/SEC)	180	42.9	51.8	57.9	58.9	59.2	59.5	59.1	57.4	55.8	52.9	49.6		
NFD 3244 RPM (341. RAD/SEC)	200	42.5	54.7	60.1	62.5	62.1	61.9	61.5	59.1	56.5	53.3	50.8		
AIRFLOW RATIO	250	40.2	50.1	62.3	64.5	65.1	64.7	62.9	61.1	58.3	55.2	51.9		
W/F/RH 12.00	315	44.0	54.2	60.5	62.3	62.3	61.6	61.7	58.4	56.3	52.1	49.3		
	400	44.5	53.8	59.9	61.8	62.3	61.2	59.5	57.9	55.9	51.4	48.1		
	500	42.8	52.0	57.5	59.0	59.5	59.0	57.3	55.6	54.3	49.8	47.3		
	630	41.5	51.5	58.6	64.0	66.0	66.2	63.9	61.1	59.6	54.8	51.3		
	800	45.4	57.0	63.3	70.3	72.7	72.1	70.8	67.8	66.3	61.3	56.0		
VEHICLE UTHSIM	1000	38.3	48.8	57.2	61.6	64.3	64.7	62.6	60.3	57.5	53.7	50.7		
CONFIG	1250	39.1	52.3	61.3	65.0	67.1	67.8	65.7	62.6	59.7	56.9	52.6		
LCC SCHEMECTADY	1800	42.4	52.2	65.5	69.4	71.4	71.3	70.3	65.7	61.7	61.2	57.1		
DATE 05-27-75	2000	52.7	68.2	73.5	76.4	79.0	77.3	77.0	72.4	67.9	68.1	64.4		
NUM 12/4	2500	38.3	57.2	70.6	74.9	75.2	75.0	72.7	69.5	65.0	63.8	61.0		
TAPE X00040	3150	31.9	51.0	62.6	68.8	71.8	72.6	70.9	66.6	62.5	59.9	56.7		
FAN TIP SPEED	4000	26.0	47.5	58.9	66.0	69.2	69.1	65.7	63.7	58.5	56.3	54.0		
846. FT/SEC	5000	18.0	43.5	58.0	63.8	66.7	66.1	64.2	62.0	56.1	53.1	50.2		
	5300	9.4	36.2	52.3	59.3	62.3	63.5	61.1	57.4	50.2	46.7	44.2		
	6000		26.3	43.9	53.7	58.3	59.2	55.5	52.9	46.3	40.8	37.8		
	10000		13.1	34.5	45.2	50.5	53.0	49.3	43.6	40.4	34.5	32.3		
OVERALL CALCULATED		57.5	70.4	77.3	81.1	83.0	82.5	81.1	77.5	74.0	72.2	68.6		
PNDB		67.9	83.0	90.2	94.2	96.2	95.5	94.3	90.5	86.4	85.0	81.6		

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 12/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM., DAY)

PHGC DATE - MONTH DAY @ HR. 3:8  
 DEG. F, 70 PERCENT REL. HUM., DAY

SPL INPUT AT STD	FREQ. (0.17)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	
50	67.6	67.8	66.8	68.3	69.0	70.0	70.1	69.3	67.8	68.1	67.1	65.8						102.2
63	72.8	73.0	74.9	76.8	77.3	78.3	73.0	75.3	75.3	76.5	74.3	75.0						105.6
80	64.1	67.1	66.4	66.4	68.1	67.4	72.1	74.4	74.6	76.4	73.9	71.6						106.4
100	71.1	70.6	69.6	68.4	66.4	66.4	68.9	70.6	72.1	72.4	71.6	70.9						109.4
125	81.2	80.4	79.2	78.2	77.7	78.9	75.2	75.2	74.7	73.4	72.9	72.1						109.1
140	79.6	77.6	76.9	78.6	79.1	77.1	75.4	74.6	74.6	72.9	73.5	72.0						112.1
200	81.0	82.3	82.0	81.7	80.3	81.0	80.5	82.3	78.7	75.7	73.5	72.0						114.4
250	80.3	87.0	86.5	86.0	84.7	82.7	82.7	82.8	82.5	81.2	79.7	76.9						115.5
315	90.8	90.8	90.8	90.0	88.0	85.3	84.2	82.5	81.2	79.9	75.4	73.6						117.5
400	86.6	87.9	87.9	87.9	85.6	85.2	83.6	82.1	79.9	77.9	75.1	72.1						115.9
500	84.6	86.3	87.0	87.3	85.6	85.3	82.3	80.5	79.8	77.6	75.1	72.1						115.3
630	84.9	88.7	89.2	90.2	86.2	80.5	84.4	82.7	79.7	77.2	74.7	72.4						120.7
800	91.3	91.0	91.0	92.3	90.3	89.3	87.5	85.0	82.8	80.5	76.6	74.8						118.4
1000	89.2	88.9	89.9	90.7	89.2	88.5	84.4	82.3	79.9	77.7	73.7	70.9						119.5
1250	91.5	91.0	91.0	91.1	89.5	87.6	85.7	82.9	80.8	78.5	74.5	71.3						117.7
1600	89.9	89.1	88.8	88.7	86.9	85.2	83.1	79.9	77.6	75.7	72.4	69.4						115.6
2000	85.9	87.2	86.2	86.9	85.6	84.0	82.1	79.8	76.0	74.3	70.7	68.0						117.6
2500	87.4	87.4	87.6	87.8	87.3	87.0	85.8	82.5	79.2	76.7	74.1	70.7						132.1
3150	96.3	97.7	101.1	100.4	100.6	102.0	101.8	93.3	91.9	92.6	87.7	86.0						129.5
4000	80.5	87.3	88.3	85.9	89.6	89.5	85.4	82.9	80.7	77.4	73.9	70.7						120.9
5000	87.3	88.1	88.3	90.4	91.1	90.5	89.5	86.6	83.1	79.5	76.4	73.4						130.1
6300	94.8	93.5	96.4	96.9	99.9	99.4	95.5	92.3	88.4	86.4	82.7	78.6						124.4
8000	93.3	92.0	93.2	94.9	94.8	94.3	92.2	87.7	84.4	81.5	76.9	73.0						130.7
10000	96.6	92.0	93.5	100.8	101.1	100.2	98.0	95.1	90.9	87.1	84.7	81.6						128.9
12500	92.1	92.6	94.8	98.6	99.0	98.3	96.8	94.1	89.5	84.0	82.1	79.6						125.9
16000	86.1	89.6	90.3	93.3	94.6	94.9	93.3	89.5	85.5	80.2	77.3	75.0						124.8
20000	80.9	87.9	90.0	93.5	93.9	93.3	92.6	87.3	84.2	77.6	75.1	72.5						123.7
25000	85.8	86.3	88.2	92.5	92.6	91.9	90.3	85.6	81.9	74.3	73.8	69.1						122.9
31500	83.3	85.1	87.1	89.8	91.3	90.6	88.0	82.9	79.8	72.6	67.7	65.3						121.6
40000	83.6	85.8	85.1	87.5	88.4	87.6	86.4	79.7	78.3	69.7	64.9	63.8						134.5
OVERALL MEASURED										96.6	94.2	91.4						
OVERALL CALCULATED	104.5	104.8	106.4	107.8	106.0	107.9	106.8	103.6	100.0	96.6	94.2	91.4						
PNDB	117.7	118.2	120.2	120.3	120.2	120.6	119.9	115.8	113.7	110.9	100.4	105.2						

Run 12/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PMGC; DATE - MONTH 64 DAY 0 NR. 0,0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0	10	20	30	40	50	60	70	80	90	100	110	120
FREQ. (0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
50	40.2	47.1	53.1	56.3	59.0	55.2	55.3	55.9	54.3	53.7	53.0		
63	44.1	51.7	55.9	57.3	59.5	60.4	60.9	59.8	57.0	54.6	52.6		
SIDELINE 500 FT, (152.40 M)	80	48.1	55.6	59.7	61.3	61.1	62.4	63.2	63.4	62.0	59.8	56.4	
100	51.1	58.6	63.3	64.2	63.4	63.6	62.7	62.0	60.6	58.5	56.5		
NFA 2978 RPM	125	47.5	56.0	60.9	62.6	63.0	62.8	62.2	60.4	58.6	55.9	53.7	
( 312, RAD/SEC)	150	45.1	54.5	59.9	61.2	60.9	61.2	63.4	60.1	57.0	53.4	51.9	
NFA 2945 RPM	200	46.7	55.2	62.4	63.5	63.5	63.2	62.3	59.8	57.5	54.8	52.0	
( 306, RAD/SEC)	250	46.2	57.4	64.0	65.5	66.4	66.0	64.4	62.6	60.6	56.7	54.1	
NFA 3244 RPM	315	45.2	55.7	62.0	63.8	63.5	62.8	61.4	59.6	57.5	53.4	50.1	
( 340, RAD/SEC)	400	46.3	56.1	61.9	64.0	64.0	63.7	61.3	60.2	58.1	53.9	50.1	
AIRFLOW RATIO	500	43.3	53.3	59.0	60.8	61.3	60.7	59.0	56.8	55.0	51.6	48.0	
WF/WH 12.60	630	40.3	49.9	56.6	59.0	59.0	59.5	57.1	54.9	53.4	49.6	46.3	
800	39.1	50.4	57.0	60.2	62.4	62.8	62.5	60.5	57.8	55.5	52.8	48.7	
VEHICLE UTWSTM	1000	47.9	63.1	66.9	73.0	77.0	78.5	75.0	73.2	70.5	66.0	63.7	
CONFIC	1250	35.8	49.3	57.6	61.5	62.1	62.8	63.7	60.9	58.9	55.4	51.5	
LCC SCHEMECTADY	2000	34.4	43.0	57.4	62.3	64.5	65.3	63.4	60.7	57.2	53.9	50.3	
DATE 05-29-75	2500	39.4	54.6	65.0	70.4	73.5	74.7	71.9	69.4	65.7	63.5	59.1	
RUN 12/5	2500	33.3	50.2	60.1	64.7	67.2	67.0	65.7	61.1	58.2	55.7	52.6	
TAPE X00040	3150	34.0	53.5	64.6	70.0	72.2	72.1	71.4	66.9	63.5	60.8	56.4	
FAN TIP SPEED	4000	23.4	46.7	59.0	66.3	69.3	69.6	68.4	64.7	59.4	57.3	54.0	
923, FT/SEC	5000	15.9	40.6	54.1	61.2	65.1	65.9	62.8	60.3	55.3	52.1	49.0	
6300	4.7	35.2	50.9	58.0	61.5	63.4	63.7	61.7	57.5	51.4	48.4	44.9	
7000		25.4	44.7	52.7	59.9	66.3	66.5	65.5	62.9	45.5	41.7	39.0	
10000			13.3	34.7	46.0	51.2	52.2	49.4	47.5	40.7	35.4	31.7	
OVERALL CALCULATED		58.0	68.4	75.1	78.6	81.4	82.2	80.3	77.5	74.6	72.0	68.5	
PNUB		61.6	76.7	86.6	91.4	93.7	93.9	92.6	89.1	85.6	82.7	79.7	

## Run 12/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY) PMOC: DATE - MONTH 72 DAY 0 HR. 0.8  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 0, 0, 0, 0, 0, 0)	PWL																	
		(0, 17)	(0, 35)	(0, 52)	(0, 70)	(0, 87)	(1, 05)	(1, 22)	(1, 40)	(1, 57)	(1, 75)	(1, 92)	(0, 17)	(0, 35)	(0, 52)	(0, 70)			
RADIAL 17. FT.	50	56.6	60.6	66.1	67.8	68.8	69.1	68.6	67.1	67.1	67.3	65.8	65.1						101.0
( 5. M)	63	72.8	72.8	74.3	76.5	77.0	76.3	72.8	73.5	75.3	76.8	74.5	74.5						103.9
VEHICLE UTWSIM	80	64.6	67.1	66.4	66.6	66.1	67.4	72.1	74.1	74.1	76.1	73.9	71.4						106.4
CONFIS	100	70.6	69.6	68.9	67.6	65.6	65.9	68.6	69.9	71.1	71.6	70.9	69.9						103.4
LOC SCHEMECTADY	125	79.4	78.7	77.9	76.9	76.4	74.7	73.7	73.7	73.4	72.4	71.7	71.7						108.8
DATE 05-29-75	160	73.4	78.6	75.6	77.4	77.6	75.9	74.4	74.6	73.6	72.1	71.1	71.1						109.2
RUN 12/6	200	79.5	80.8	80.5	80.0	79.2	78.7	76.7	75.5	77.0	74.2	72.8	70.5						111.1
TAPE X00040	250	87.3	83.5	85.0	84.7	83.5	82.0	81.2	81.5	81.5	80.5	77.7	74.5						115.2
SAW 29.9 HG	315	89.0	88.3	88.0	87.7	86.2	83.5	82.5	80.8	79.5	78.0	75.7	74.5						116.5
(00963, N/M2)	400	86.4	86.4	86.1	86.9	85.6	84.2	83.1	81.6	79.1	76.9	74.4	72.9						114.3
TAMB 71. DEG F	500	84.6	84.6	85.3	86.6	84.6	82.6	81.8	80.1	78.6	77.6	74.3	71.6						115.7
(299, DEG K)	630	85.4	86.4	87.2	87.7	86.5	84.6	83.4	81.4	79.7	76.7	74.0	71.7						115.5
TLET 59. DEG F	800	89.8	87.3	89.7	90.3	89.8	88.5	87.0	84.3	81.5	78.8	75.5	73.0						119.4
(268, DEG K)	1000	90.9	88.2	89.9	89.7	88.5	86.8	83.9	82.1	79.2	76.7	73.9	70.7						115.0
HACT 0. GM/M3	1250	91.0	90.5	89.7	89.6	88.3	85.8	84.2	82.2	80.0	77.3	73.5	70.3						110.4
(, KG/M3)	1600	87.9	87.1	87.1	87.7	86.4	85.2	82.3	79.9	76.9	75.4	71.6	69.1						116.2
NFA 10697. RPM	2000	83.4	84.7	84.7	85.1	85.1	84.5	83.4	80.8	78.5	75.0	72.2	69.7						115.3
(1129, RAD/SEC)	2500	85.1	86.4	85.9	87.1	87.5	85.7	83.3	82.5	79.9	77.0	74.4	75.7						117.3
NFK 10576. RPM	3150	97.2	96.9	97.4	100.1	101.1	98.8	98.6	95.6	93.4	89.5	86.4	82.5						130.3
(1107, RAD/SEC)	4000	86.0	86.8	87.8	89.1	89.3	89.0	85.5	85.6	82.4	79.5	76.1	73.4						119.7
NFD 11517. RPM	5000	86.1	87.6	88.3	89.4	90.1	89.8	88.3	85.6	82.4	79.3	76.4	73.7						123.1
(1204, RAD/SEC)	6300	95.3	93.5	94.2	99.2	98.4	98.7	97.2	94.3	89.3	85.4	83.9	81.7						128.7
FAN TIP SPEED	8000	90.0	92.0	93.7	94.9	94.8	94.5	91.9	90.2	85.2	81.3	78.9	76.9						124.7
934, FT/SEC	10000	92.6	97.9	99.0	101.5	101.6	100.2	99.0	95.6	91.6	87.9	85.2	83.0						131.2
NO. OF BLADES 18	12500	91.6	92.9	93.5	97.0	96.2	96.3	97.1	93.1	89.5	85.5	82.4	79.1						129.4
FAN TIP SPEED	17000	87.6	87.6	89.8	92.5	93.8	93.4	92.8	85.8	85.2	79.7	77.5	74.6						124.5
20000	86.6	86.9	89.3	92.5	93.4	93.1	91.8	85.3	84.5	77.6	74.6	72.3							124.0
25000	85.9	89.8	87.9	91.3	92.1	90.9	90.0	85.6	82.2	74.3	70.3	69.0							123.0
31500	85.1	85.6	86.1	86.6	87.3	89.9	88.0	82.4	79.8	72.1	67.2	65.8							122.1
40000	83.1	83.1	84.6	86.7	87.9	87.1	85.9	79.7	78.5	69.7	63.5	64.2							121.1
OVERALL MEASURED																			
OVERALL CALCULATED	104.0	104.2	103.2	107.5	107.7	106.6	109.7	102.8	99.1	95.4	93.3	90.1							137.7
PNDB	117.4	117.3	117.8	119.8	120.1	118.9	117.8	115.6	112.5	109.2	107.4	103.2							

Run 12/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PHOC, DATE - MONTH 72 DAY 8 HR. 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM NOVEL DATA (59. DEG. F, 70 PERCENT REL. HUM., DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190. 200.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 120. 130. 140. 150. 160. 170. 180. 190.																		
50	37.2	45.8	51.9	54.8	54.8	54.5	55.5	54.9	53.6	52.4	52.0									
63	42.6	50.2	54.1	56.1	57.4	58.6	59.2	58.1	55.5	53.1	51.1									
SIDELINE 500. FT. (152.40 M)	80	48.6	54.1	58.5	60.0	60.4	60.9	61.9	62.4	61.5	58.6	54.9								
NFA 3013, RPM (319, RAD/SEC)	100	49.1	56.6	61.1	62.5	61.6	61.9	61.0	60.2	58.9	56.5	54.7								
NFA 2979, RPM (317, RAD/SEC)	125	48.0	54.2	59.9	61.6	62.0	62.3	61.7	59.7	57.6	54.9	52.9								
NFA 2979, RPM (317, RAD/SEC)	150	43.4	52.8	59.1	60.2	60.2	60.7	59.9	58.9	58.0	54.6	51.4								
NFA 2979, RPM (317, RAD/SEC)	200	44.5	54.2	59.9	61.3	62.1	62.2	61.0	58.8	57.6	54.1	51.3								
NFA 3244, RPM (340, RAD/SEC)	250	46.4	56.1	62.0	64.7	65.1	65.5	63.6	62.4	58.6	55.4	52.4								
NFA 3244, RPM (340, RAD/SEC)	315	44.5	54.7	61.0	63.1	63.5	62.1	61.2	58.9	56.5	52.6	49.5								
NFA 3244, RPM (340, RAD/SEC)	400	49.8	54.8	66.4	65.0	63.3	62.2	61.1	59.4	56.9	52.9	49.1								
AIRFLOW RATIO	500	41.3	51.5	58.0	60.3	61.3	60.0	58.6	56.1	54.8	50.8	47.6								
NFA 3244, RPM (340, RAD/SEC)	630	37.8	48.4	54.9	56.5	60.3	60.7	59.1	57.4	54.9	51.1	46.1								
NFA 3244, RPM (340, RAD/SEC)	800	38.1	48.7	56.2	60.5	62.1	62.3	60.5	58.5	55.6	53.0	46.7								
VEHICLE UTWSIM	1000	47.2	59.3	66.7	73.5	73.8	73.2	74.3	71.7	68.0	66.7	62.2								
CONFIG	1250	39.3	48.8	57.0	61.3	63.6	64.8	63.6	60.4	57.7	54.1	50.6								
LOC SCHENECTADY	1630	39.9	43.0	56.4	61.3	63.7	64.5	62.4	59.9	56.7	53.9	50.6								
DATE 05-29-75	2000	37.4	54.5	65.2	65.9	72.0	72.4	70.7	66.4	62.7	61.0	58.1								
MON 12/6	2500	33.3	50.7	60.1	64.7	67.4	66.8	66.2	61.9	56.2	55.7	52.9								
TAPE X00040	3150	39.0	54.0	65.3	70.5	72.2	73.1	71.9	67.7	64.2	61.3	56.4								
FAN TIP SPEED	4000	23.7	45.5	58.8	65.6	69.0	70.1	67.4	64.7	59.9	57.5	53.5								
FAN TIP SPEED	5000	14.9	49.1	53.4	60.5	64.6	65.4	62.3	60.0	54.8	52.3	48.8								
FAN TIP SPEED	6300	3.7	34.4	49.0	57.5	61.2	62.6	59.2	57.8	51.2	47.9	44.7								
FAN TIP SPEED	8000		25.1	43.5	52.2	59.9	60.1	55.5	53.1	45.5	41.2	38.8								
FAN TIP SPEED	10000			12.3	33.7	45.0	50.4	52.2	43.9	40.2	34.9	32.2								
OVERALL CALCULATED		56.5	66.6	74.4	73.5	79.9	80.7	79.3	78.5	73.2	71.0	67.0								
PND8		60.5	76.2	86.4	91.3	93.2	93.9	92.5	89.0	85.4	82.5	79.3								

## Run 12/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH PD DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (59, DEC, F, 70 PERCENT REL. HUM, DAY)

ANGLS FROM INLET IN DEGREES (AND RADIANIS)

SPL INPUT AT STD	FREQ.	ANGLS FROM INLET IN DEGREES (AND RADIANIS)														PWL			
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.		0.	0.	0.
	50	66.1	66.3	65.6	67.3	66.1	64.6	68.1	65.3	66.6	67.3	65.6	65.1						100.7
	63	72.3	72.8	74.0	76.5	76.8	73.0	72.8	73.5	75.3	77.0	74.3	74.5						105.9
RADIAL 17. FT.	80	64.9	67.1	65.9	65.9	67.9	67.1	71.9	67.6	73.6	73.6	75.9	73.6						106.1
( 5. M)	100	67.9	60.6	66.1	65.1	63.4	64.4	66.1	67.6	68.9	69.6	65.6	67.1						101.1
VEHICLE UTMSM	125	78.7	79.7	74.7	73.9	73.4	71.7	71.7	71.4	71.2	75.2	69.2	69.4						105.4
CONFIG	160	75.4	73.1	72.4	73.0	74.4	72.9	71.4	72.1	71.4	70.1	69.6	69.1						105.4
LCC SCHEMATIC	200	77.0	78.0	77.2	77.0	76.0	76.0	75.2	75.5	74.0	71.5	69.2	68.0						103.1
DATE 05-29-75	250	84.0	82.8	82.0	81.7	80.5	79.0	79.0	77.8	75.7	77.7	75.0	72.2						112.5
RUN 12/7	315	86.5	86.5	85.2	85.5	84.0	81.5	82.5	75.0	76.7	75.2	73.5	72.2						114.2
TAPE X00040	400	85.1	84.6	85.1	84.5	84.4	83.2	82.1	80.4	77.9	75.1	72.9	71.1						114.7
BAR 29.9 FT	500	82.1	82.1	82.8	84.1	82.6	81.1	80.3	78.6	77.4	75.5	72.8	69.6						113.1
(10965, A/M2)	630	84.4	84.4	84.7	85.2	84.2	83.0	81.4	79.9	77.0	75.0	72.0	70.2						114.4
TANG 71, DEG F	800	86.0	86.0	87.5	89.3	88.0	86.0	85.5	82.6	80.3	77.5	74.5	72.0						117.9
(295, DEG K)	1000	83.4	87.9	87.9	86.5	88.5	88.0	83.4	82.3	80.2	76.7	74.2	70.7						117.5
TLET 59, DEG F	1250	87.3	89.0	89.0	89.6	87.8	85.6	83.2	80.4	78.5	75.3	71.8	69.3						117.5
(265, DEG K)	1600	87.4	86.4	85.6	86.0	84.4	83.2	81.3	78.7	76.6	74.9	71.6	68.1						114.7
MACT 0, GM/3	2000	82.7	83.4	84.2	85.4	84.3	83.6	82.6	80.1	77.5	75.0	71.0	68.7						114.7
(, KG/M3)	2500	83.9	85.1	85.1	86.3	86.5	86.7	85.1	82.0	78.7	77.0	74.1	71.2						115.7
NFA 10011, RPM	3150	95.7	93.9	97.1	97.4	100.1	101.5	100.6	95.3	93.7	88.6	87.7	83.7						133.7
(1132, RAD/SEC)	4000	85.0	85.5	85.6	88.4	88.1	88.5	88.3	85.1	81.9	77.0	74.9	72.2						119.1
NFA 10648, RPM	5000	86.5	88.3	89.3	90.4	90.1	90.5	88.2	85.6	82.6	79.0	75.6	73.2						120.5
(1119, RAD/SEC)	6300	96.5	94.8	94.2	96.7	95.9	95.2	97.7	93.6	90.6	86.9	84.4	79.9						127.5
NFD 11517, RPM	8000	96.0	95.8	102.9	103.6	105.0	100.3	101.9	97.7	93.2	88.6	86.4	84.6						133.4
(1206, RAD/SEC)	10000	95.1	97.1	98.5	102.0	102.4	101.4	98.8	95.8	91.6	88.6	85.9	83.8						131.5
NO. OF BLADES 18	12500	95.1	94.4	95.5	99.7	100.0	100.0	98.8	94.3	91.0	86.5	83.5	80.9						129.9
FAN TIP SPEED	16000	89.6	90.3	93.0	94.2	96.1	95.6	93.6	89.5	87.5	81.7	79.3	76.0						126.1
944, FT/SEC	20000	87.6	89.1	91.5	94.7	95.2	94.6	92.6	87.8	85.7	78.0	76.4	74.5						125.6
	25000	85.5	87.0	88.9	92.8	93.3	92.4	91.0	87.1	83.4	75.8	71.8	70.0						124.3
	31500	85.0	86.1	86.9	89.6	91.3	89.9	88.3	83.2	81.1	73.9	68.4	66.5						122.7
	40000	82.8	83.3	84.9	86.7	88.1	87.1	86.1	79.7	79.0	70.7	64.7	64.7						121.3
OVERALL MEASURED																			
OVERALL CALCULATED		104.8	104.7	106.9	108.7	109.5	104.3	107.4	103.7	100.3	96.2	93.9	91.7						139.2
PNDB		116.6	113.7	118.0	119.0	119.7	120.0	119.2	115.5	112.8	108.9	107.8	103.8						

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 12/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 80 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEC, F, 70 PERCENT WEL, NUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.			
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.63)
50	35.7	42.6	46.1	51.5	51.0	51.5	55.0	52.7	51.6	50.9	50.0				
63	39.8	46.9	51.1	52.3	54.0	50.1	55.2	55.1	52.7	50.3	46.6				
SIDELINE 500, FT. (152.40 M)	43.8	51.1	55.5	57.0	57.4	58.6	57.4	59.6	58.6	55.9	52.7				
100	48.9	53.8	58.8	60.2	59.6	59.9	53.2	57.5	56.1	54.2	52.5				
NFA 3045, RPM (319, RAD/SEC)	44.3	53.2	57.9	60.3	61.0	61.3	61.4	58.4	55.8	53.4	51.2				
125	40.9	50.3	56.6	58.2	50.7	59.2	53.4	57.9	56.3	53.1	49.4				
NFK 3011, RPM (315, RAD/SEC)	42.5	51.7	57.4	59.5	60.3	60.2	59.5	57.1	55.2	52.1	49.8				
200	43.2	53.9	61.0	63.0	63.6	64.0	62.1	60.1	57.6	54.4	51.4				
NFD 3244, RPM (340, RAD/SEC)	44.2	53.7	59.8	63.1	62.0	61.6	61.4	59.9	56.5	52.9	49.8				
400	44.3	54.1	60.4	62.0	62.0	61.2	57.3	57.9	54.9	51.2	48.1				
AIRFLOW RATIO	40.6	50.0	56.3	53.3	59.3	59.0	57.3	55.3	54.3	50.8	46.8				
VF/WM 12.60	630	38.5	47.9	55.1	57.7	57.6	60.0	53.4	56.4	54.1	49.9				
850	38.8	47.9	55.5	59.5	62.1	62.1	63.0	57.3	55.6	52.8	49.2				
VEHICLE UTMSH	1000	44.2	59.1	65.9	72.5	70.5	77.2	74.0	72.0	67.2	60.0				
CONFIG	1250	34.0	47.8	56.3	60.0	60.3	64.6	62.5	59.9	57.2	52.9				
LOC SCHENECTADY	1600	34.6	49.0	57.4	61.3	64.5	64.5	62.4	60.2	56.7	53.1				
DATE 05-29-75	2000	38.8	52.5	62.7	66.4	63.5	72.9	70.2	67.7	64.2	61.5				
RUN 12/7	2500	40.0	60.0	68.9	74.9	73.2	76.8	73.7	69.9	65.7	63.2				
TAPE X00040	3150	34.2	53.5	65.8	71.3	70.5	72.9	71.2	67.7	65.0	62.0				
FAN TIP SPEED	4000	25.2	47.5	61.5	67.3	70.8	69.8	63.7	66.2	61.9	56.8				
944, FT/SEC	5000	17.7	43.4	55.6	62.7	62.9	66.1	63.5	62.3	56.6	54.1				
6300	9.9	36.7	52.1	59.3	62.7	63.4	60.2	59.0	52.4	49.7	46.9				
8000		28.1	45.0	53.5	57.4	59.1	57.0	54.4	47.0	42.7	40.5				
10000		13.0	34.5	46.0	50.4	52.5	49.7	48.8	42.0	36.2	33.0				
OVERALL CALCULATED		54.6	66.3	74.4	79.5	81.3	82.5	79.9	77.3	73.6	71.1				
PNDB		61.2	78.6	87.9	93.3	94.2	95.7	93.1	90.1	86.3	83.3				



Run 12/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY @ HR. @ @

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70' CORRECT SPL, HUM, DAY)  
 ANGLES FROM INLET (IN DEGREES (AND RADIAN))

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)											ANGLE FROM INLET (IN DEGREES (AND RADIAN))					PNL
	(0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. 10. 20. 30. 40. 50. 60.)				
50	67.0	68.3	67.6	69.3	71.1	71.8	71.3	67.6	68.6	68.6	67.8	67.1					103.2
63	72.4	73.0	74.3	77.3	77.5	76.8	73.3	73.5	75.0	76.8	74.8	75.3					109.2
RADIAL 17. FT. ( 3. M)	80	85.4	88.1	87.4	83.1	87.1	71.6	73.6	74.1	76.1	74.1	71.4					106.4
VEHICLE UTMSIM CONFIG	100	73.1	72.8	71.1	69.9	67.9	67.6	72.4	73.6	74.4	73.9	72.6					106.3
LCC SCHEMECTADY	125	83.9	83.2	81.9	80.7	81.2	79.4	77.9	77.7	77.4	76.2	75.7					112.2
DATE 05-29-75	180	81.9	80.4	79.4	80.9	81.1	79.6	77.9	77.6	76.9	74.9	74.4					111.6
HUM 12/3	200	84.0	85.0	84.5	83.5	83.2	82.7	82.2	82.6	81.0	78.0	75.7					115.3
TAPE Y00040	250	91.0	87.8	89.2	85.7	87.0	85.2	85.0	84.8	85.0	83.5	81.2					114.9
RAV 29.9 MS	315	93.0	93.5	92.5	92.5	90.5	80.3	86.7	84.8	83.7	82.7	80.7					121.1
(10395. N/MZ)	400	90.6	90.6	90.4	90.4	89.1	88.4	87.1	85.1	82.6	80.9	77.6					119.8
TAM 72. DEG F	500	87.6	89.3	90.0	90.3	86.8	80.3	85.8	83.3	82.1	80.6	78.1					119.5
(295. DEG K)	630	92.7	92.2	91.9	92.0	90.7	80.5	86.9	84.9	82.5	79.7	77.0					120.6
TWST 59. DEG F	800	93.5	92.8	93.0	94.3	93.0	91.8	90.0	87.8	84.8	82.3	79.0					122.9
(259. DEG K)	1000	90.7	90.4	91.7	92.5	91.2	88.7	86.4	84.1	81.7	79.2	75.2					120.5
MACT 0. CM/MS	1250	92.5	92.3	92.5	92.8	91.8	89.6	87.2	85.2	82.5	80.3	76.8					121.3
( 107/MS)	1500	90.6	90.4	89.8	89.5	88.4	86.9	84.3	81.7	79.1	76.9	73.6					118.4
NFA 11105. RPM	2000	86.9	87.7	87.7	87.9	87.3	85.8	84.9	81.8	78.7	77.5	73.0					117.2
(118.4. RAD/SEC)	2500	88.1	87.6	87.9	88.6	86.5	83.0	80.1	83.3	79.4	77.5	74.4					113.3
NFA 10958. RPM	3150	101.4	99.9	100.6	104.9	104.1	103.5	104.3	100.8	98.9	93.0	91.9					134.7
(114.7. RAD/SEC)	4000	90.3	90.0	91.1	93.6	93.6	93.0	93.3	93.4	87.2	83.2	80.9					124.8
NFA 11517. RPM	5000	89.0	89.8	90.1	91.4	92.1	91.6	91.3	88.3	84.4	81.5	77.9					122.3
(120.6. RAD/SEC)	6300	90.5	99.3	98.4	102.2	102.1	101.7	99.4	97.0	91.8	90.6	85.9					131.7
NFA 1206. RPM	8000	92.5	93.5	94.4	96.6	96.3	95.3	93.7	93.8	85.7	82.8	79.7					126.3
(148.0. RAD/SEC)	10000	95.9	90.1	99.5	103.5	101.7	101.5	98.5	95.6	90.9	88.9	83.2					131.3
NO. OF BLADES 18	12500	92.9	93.8	95.5	97.5	99.7	99.6	93.1	94.8	89.5	84.7	82.4					129.3
FAN TIP SPEED 969. FT/SEC	14800	89.3	90.3	91.5	94.8	96.6	97.4	95.1	93.5	86.7	81.5	79.0					127.0
20300	86.4	87.1	91.3	94.7	95.9	95.0	94.1	83.5	83.5	79.3	76.9	74.0					125.3
25000	87.3	87.8	89.9	94.3	94.3	94.4	92.5	83.1	83.4	76.3	73.0	70.6					125.9
31500	87.6	87.6	88.6	91.6	93.1	93.1	90.5	85.4	81.3	74.1	69.7	67.3					124.9
40000	84.0	85.6	86.6	89.5	90.9	90.1	86.4	82.2	79.8	71.7	66.8	64.9					123.8
OVERALL MEASURED																	
OVERALL CALCULATED	100.9	100.9	107.4	110.4	110.0	109.5	106.5	105.2	102.1	98.0	95.7	93.3					140.3
PNDB	121.0	120.3	120.7	123.7	123.0	122.2	122.1	119.1	116.7	112.3	110.4	107.5					

Run 12/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PHGC; DATE - MONTH DD DAY @ HR, @:0

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
SPL INPUT AT STD	FREQ. (0.17)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	
	50	42.9	49.6	55.4	60.3	65.2	70.0	74.8	79.6	84.4	89.2	94.0					
SIDELINE 500 FT,	63	46.8	54.2	57.6	60.1	61.4	62.1	63.4	62.1	59.2	56.8	54.8					
(152.40 M)	100	59.8	58.3	62.5	63.5	63.6	64.6	65.2	65.9	64.5	62.1	58.7					
NFA 3128 RPM	125	53.9	61.1	65.8	66.7	66.4	66.1	65.0	64.5	63.6	61.5	59.2					
(327 RAD/SEC)	160	50.3	58.5	63.4	65.1	66.3	66.3	65.2	63.2	61.6	58.2	56.2					
NFK 3659 RPM	200	48.1	57.5	62.9	64.4	63.9	64.7	63.1	62.4	61.3	58.4	56.1					
(324 RAD/SEC)	250	50.2	58.9	64.1	66.0	65.6	65.7	64.5	62.6	60.0	57.1	54.8					
NFD 3244 RPM	315	49.9	59.4	66.0	65.0	66.9	66.5	67.1	64.6	62.3	58.9	55.6					
(340 RAD/SEC)	400	45.7	57.5	63.8	65.8	65.3	64.6	63.2	61.4	59.8	54.9	52.1					
AIRFLOW RATIO	500	47.5	57.6	65.6	66.0	66.4	65.2	64.1	61.9	59.9	56.2	52.6					
WF/WH 12.00	630	44.6	54.3	59.8	62.3	65.1	62.5	60.3	58.3	56.3	52.8	49.8					
	800	40.9	51.4	57.6	60.7	61.0	62.2	60.1	57.6	56.6	51.9	48.6					
VEHICLE UTWSIM	1000	39.3	50.7	57.7	61.5	63.4	63.1	61.3	58.0	56.3	53.0	49.5					
CONFIG	1250	58.2	62.6	73.4	76.5	78.3	81.0	73.5	77.2	71.5	70.2	66.2					
LRC SCHEVECTADY	1600	38.5	52.0	61.5	65.5	67.6	69.6	67.7	65.1	61.4	58.9	54.5					
DATE 05-29-75	2000	38.1	49.7	58.4	63.3	65.7	67.0	65.2	61.9	59.2	55.4	51.6					
RUN 12/8	2500	40.1	56.8	68.2	72.7	75.0	74.7	73.4	68.9	67.9	63.0	61.1					
TAPE X00040	3150	34.8	51.5	61.9	66.2	68.2	69.5	67.0	62.4	59.7	56.4	54.4					
FAN TIP SPEED	4000	35.2	54.5	67.3	70.9	73.5	72.6	71.2	66.9	63.2	61.3	59.4					
969 FT/SEC	5000	24.7	47.5	59.3	67.1	69.6	71.1	69.2	64.7	60.1	57.5	54.2					
	6300	17.7	41.9	55.6	63.2	67.6	67.6	64.5	61.5	56.6	53.8	50.5					
	8000	9.9	36.4	52.1	60.0	63.7	64.9	60.7	58.8	52.9	50.2	46.4					
	10000		27.1	46.5	55.0	59.4	60.8	58.0	54.4	47.3	44.0	40.5					
OVERALL CALCULATED			14.8	36.5	47.8	53.7	56.7	51.9	49.0	42.2	37.4	33.7					
PND8		60.4	70.0	78.0	81.2	83.0	84.1	82.2	80.0	76.3	73.6	70.7					
		62.2	78.1	88.9	92.9	95.2	95.2	93.5	90.0	87.1	83.8	81.2					

Run 12/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)  
 FROM DATE - MONTH YR DAY @ HR. @:0  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	
	50	66.6	66.6	66.3	67.6	69.3	69.6	68.8	67.1	67.1	66.1	65.3		101.2
	63	72.5	73.0	74.3	77.0	77.3	75.5	73.3	73.5	75.0	76.5	74.5		109.0
RADIAL 17. FT.	80	65.0	66.1	67.1	66.6	65.1	66.9	71.4	73.6	75.6	75.9	74.1		106.2
( 5. M)	100	69.9	69.1	68.6	67.4	64.9	65.1	67.9	67.4	70.9	71.2	70.9		104.3
VEHICLE UTWSIM	125	79.4	78.4	77.2	76.2	76.2	74.4	73.4	73.4	73.2	71.9	71.7		107.7
CONFIG	160	77.6	75.9	75.1	76.6	76.6	75.4	73.9	73.6	73.1	71.9	71.1		107.6
LCC SCHEMATIC	200	79.3	80.5	80.0	79.5	78.7	78.5	74.2	75.3	77.2	74.5	72.0		110.7
DATE 05-29-75	250	86.3	85.0	84.0	84.0	82.7	81.2	81.0	80.3	80.5	79.5	76.5		114.5
RUN 12/9	315	87.8	87.8	87.0	87.5	85.0	83.0	82.5	80.3	78.7	77.5	74.7		119.8
TAPE X03040	400	80.6	80.1	85.1	86.9	85.6	84.7	83.9	81.9	78.9	77.6	73.9		116.2
BAR 29.9 MG	500	84.1	84.5	84.5	86.9	84.1	82.1	81.5	80.3	78.3	76.3	73.3		114.5
(00966, N/M2)	630	88.2	87.9	87.9	87.5	85.0	83.3	82.9	80.9	78.2	75.7	73.2		119.7
TACH 72. DEG F	800	88.5	88.0	89.0	90.0	88.9	87.0	86.0	83.5	80.5	78.5	75.5		114.7
(290. DEG K)	1000	88.9	88.7	88.7	89.2	89.2	87.0	85.7	82.0	78.9	76.0	74.0		119.5
TMET 59. DEG F	1250	89.5	89.8	90.2	90.3	90.3	87.3	86.5	84.2	81.5	78.5	75.3		119.6
(250. DEG K)	1600	80.1	87.4	85.3	87.0	86.7	84.4	83.6	80.4	77.6	75.9	73.1		116.2
MACT 0. GM/M3	2000	81.9	82.9	83.9	86.9	87.1	86.4	83.9	81.0	78.7	77.5	72.2		119.5
(. KG/M3)	2500	83.1	82.9	83.9	86.3	87.3	87.0	85.3	81.9	78.7	76.7	73.4		119.4
NFA 11100, RPM	3150	93.2	94.9	97.6	95.6	100.9	102.8	101.5	95.6	93.9	90.3	85.9		121.0
(1163, RAD/SEC)	4000	87.5	86.5	87.8	89.1	90.3	91.3	90.5	85.9	83.2	80.2	76.6		121.0
NFK 12971, RPM	5000	86.3	85.3	80.6	86.4	83.8	80.3	87.8	84.6	81.4	78.2	74.9		119.7
(1149, RAD/SEC)	6300	97.3	95.4	95.7	97.7	97.6	97.9	97.2	95.5	93.6	87.6	84.9		127.7
NFD 11517, RPM	8000	93.0	92.5	93.7	94.9	94.8	94.3	92.7	90.2	85.4	81.8	77.7		124.4
(1205, RAD/SEC)	10000	90.4	97.4	95.3	101.0	101.0	100.4	96.5	95.3	90.9	87.1	84.9		131.0
NO. OF BLADES 18	12500	92.4	92.6	93.3	96.2	97.5	97.3	96.3	93.1	89.0	83.7	81.6		127.7
FAN TIP SPEED	15000	87.8	88.1	89.8	92.8	94.1	94.4	92.6	88.3	85.7	77.7	77.5		124.9
970. FT/SEC	20000	87.1	86.6	89.3	92.2	93.4	92.8	91.6	86.5	84.5	77.6	74.9		125.0
	25000	84.0	86.0	87.4	91.5	91.8	90.7	89.8	85.5	82.2	75.0	73.8		129.1
	31500	85.8	85.8	85.9	89.1	89.8	89.4	87.5	82.2	79.8	72.9	67.7		121.3
	40000	83.3	83.3	83.9	85.7	87.1	86.4	85.1	78.9	74.3	70.2	65.0		120.4
OVERALL MEASURED														
OVERALL CALCULATED		104.6	103.9	104.8	106.8	107.5	107.6	106.3	102.9	99.3	95.7	92.7		90.5
PND8		119.0	118.2	117.6	118.8	120.0	120.8	119.6	115.7	112.8	109.7	106.1		104.0

Run 12/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PNOC; DATE = MONTH 96 DAY 8 MR. 8:8

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAV)															
		ANGLES FROM INLET IN DEGREES (AND) RADIANS															
SPL INPUT AT STD	FREQ. (0. 0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0. 0.)	0. (0. 0.)	0. (0. 0.)	0. (0. 0.)	0. (0. 0.)
	50	38.4	45.3	51.1	53.6	54.3	54.0	54.5	54.4	53.3	52.4	51.6					
	63	42.3	49.7	53.6	55.6	57.1	58.1	58.7	58.3	55.7	53.1	50.6					
SIDELINE 500. FT.	80	45.1	53.1	57.7	59.3	59.6	60.6	61.2	61.4	60.5	57.4	54.4					
(152.40 M)	100	48.1	55.6	60.8	61.2	61.1	61.4	60.5	59.5	58.3	55.5	52.2					
NFA 3129. RPM	125	49.8	54.2	59.9	61.6	62.5	63.1	61.9	59.4	58.3	54.4	52.0					
( 323. RAD/SEC)	160	43.4	52.0	58.1	59.7	59.7	60.5	60.1	58.6	56.8	53.6	50.1					
NFR 3098. RPM	200	46.0	54.9	59.6	61.3	61.6	61.7	60.5	59.3	56.0	53.3	51.3					
( 324. RAD/SEC)	250	49.2	55.4	61.6	63.7	64.6	64.5	62.9	65.4	58.3	55.4	52.1					
NFD 3244. RPM	313	49.0	54.5	60.5	63.8	63.8	63.9	61.7	60.6	57.8	53.6	50.1					
( 340. RAD/SEC)	400	49.0	55.3	61.1	64.5	64.3	64.4	63.1	60.9	58.1	54.7	53.1					
AIRFLOW RATIO	500	41.5	50.3	57.3	63.5	60.6	61.2	59.1	56.8	55.3	52.3	47.8					
WF/W4 12.50	630	36.0	47.6	56.6	60.5	61.8	61.2	59.9	57.6	56.6	51.1	49.6					
	800	34.6	46.7	55.5	60.2	62.4	62.3	59.5	57.3	55.5	52.0	48.5					
VEHICLE UTWSIM	1000	49.2	59.6	67.2	73.3	77.2	73.2	74.3	72.2	63.7	64.2	62.7					
CONFIG	1250	39.0	48.8	57.0	62.3	65.2	66.8	64.2	61.1	58.4	54.6	51.6					
LCC SCHEMECTADY	1600	32.6	46.2	55.4	60.1	62.7	63.5	61.4	58.9	56.0	52.4	49.1					
DATE 05-29-75	2000	39.6	54.0	63.7	68.2	71.3	72.4	71.9	67.7	64.9	62.0	57.1					
RUN 12/9	2500	33.8	50.7	60.1	64.7	66.9	67.5	65.2	62.1	58.7	56.4	53.1					
TAPE X60040	3150	34.5	53.3	64.6	70.5	72.5	72.6	71.2	66.9	63.5	61.0	57.9					
FAN TIP SPEED	4000	23.4	45.2	58.0	64.6	66.7	65.3	67.4	64.2	59.1	56.8	53.2					
970. FT/SEC	5000	19.4	40.1	53.6	60.7	64.0	65.1	62.3	60.5	54.6	52.3	49.0					
	6350	9.4	34.4	49.6	57.5	61.8	62.4	58.9	57.8	51.4	48.2	44.9					
	8000		24.6	43.7	52.0	57.7	59.8	55.5	53.1	46.3	41.7	38.0					
	10000		12.0	34.0	44.5	49.9	51.7	43.7	47.5	41.0	35.4	32.5					
OVERALL CALCULATED		50.0	66.3	73.7	78.3	81.2	81.8	79.4	76.7	73.6	70.2	67.6					
PNDB		60.4	75.7	85.9	91.2	93.4	93.9	92.2	88.8	85.3	82.4	79.2					

Run 12/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM, DAY)

PROC. DATE - MONTH 03 DAY 0 HR. 00

ANGLE FROM INLET IN DEGREES (AND RADIAN) 0. 30. 60. 90. 120. 150. 180. 210. 240. 270. 300. 330. 360.

SPL INPUT AT STD FREQ. (0.1)(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.1)(2.3)(2.5)(2.8)(3.1)(3.5)(4.0)

STANDARD	0.	30.	60.	90.	120.	150.	180.	210.	240.	270.	300.	330.	360.	PHL
RADIAL 17. FT.	50	65.1	64.8	66.8	67.6	69.1	68.1	65.8	66.1	66.6	65.3	64.6	64.6	107.2
(3. M)	63	72.0	74.3	77.0	77.3	76.8	75.8	74.0	75.0	75.5	74.5	74.3	74.3	117.4
VEHICLE UTMSIN	80	64.9	67.1	65.6	67.2	69.0	68.6	73.1	73.4	75.4	75.6	72.1	72.1	117.5
CONFIG	100	66.6	65.6	65.1	64.4	62.2	62.4	65.6	67.9	67.9	67.4	66.1	66.1	97.7
LCC SCHMIDT-ADY	125	74.4	74.2	73.2	72.4	70.9	69.9	71.4	69.9	56.9	66.2	67.9	67.9	103.9
DATE 05-27-75	150	73.4	71.4	70.1	72.1	72.1	70.5	70.5	70.9	70.6	69.6	68.9	68.6	114.1
REV 12/10	200	75.0	76.0	75.7	75.0	74.2	73.7	74.0	72.5	75.0	67.7	68.5	68.5	116.4
TARE 1000.0	250	81.8	80.0	79.7	79.2	78.0	76.2	76.3	76.5	76.5	72.2	70.7	70.7	110.0
BAR 20.9	315	82.8	82.3	81.5	82.0	80.0	77.5	77.8	74.5	72.5	72.0	70.0	65.7	110.6
(1078. N/MS)	400	83.2	82.4	83.1	83.4	81.9	81.4	79.4	75.9	74.6	70.4	70.4	70.4	113.1
(1078. N/MS)	500	82.1	81.1	80.8	81.6	80.3	78.3	75.6	75.6	75.1	70.1	67.0	67.0	117.0
TARE 72.0	630	83.3	84.9	84.7	84.0	82.2	80.3	77.4	74.7	73.2	70.2	66.7	66.7	112.9
(295. DEG F)	800	86.3	83.0	84.2	85.5	84.3	82.6	79.5	76.5	74.5	72.5	69.3	69.3	114.4
(295. DEG K)	1000	86.9	85.7	85.4	85.2	84.2	82.3	78.1	76.2	74.3	70.2	66.9	66.9	114.4
TARE 59.0	1250	87.8	87.0	88.0	89.1	87.1	87.6	87.5	84.7	81.0	76.5	73.3	74.5	114.4
(281. DEG K)	1500	84.1	84.1	83.6	82.7	83.9	82.4	82.4	75.7	73.4	73.7	70.9	67.1	115.0
HACT 0.0	2000	81.4	82.2	82.7	83.9	84.6	83.0	82.5	79.2	77.3	73.5	71.2	71.2	111.7
(1.00/MS)	2500	82.5	82.5	83.1	84.1	85.0	83.7	83.7	81.0	78.2	76.0	72.4	69.2	110.4
NFA 11117.0	3150	90.4	90.4	97.4	100.9	99.3	97.3	97.3	92.3	89.4	87.3	83.4	82.0	110.5
(1024. RAD/SEC)	4000	88.8	97.3	88.3	89.6	89.1	87.5	87.5	83.6	80.7	77.7	74.2	72.2	117.7
NFA 10760.0	5000	80.1	80.1	89.3	89.9	91.6	83.3	85.3	85.1	82.1	77.7	73.6	72.2	119.0
(1150. RAD/SEC)	6300	93.0	92.3	92.9	94.7	94.6	94.9	94.9	91.3	88.3	83.6	80.1	77.9	120.1
NFA 12517.0	8000	98.0	101.8	101.7	100.9	100.8	105.3	103.5	94.7	90.4	85.5	81.9	81.9	120.4
(1200. RAD/SEC)	10000	94.4	95.1	97.5	99.8	101.4	101.2	101.2	94.8	90.4	86.6	83.4	82.3	120.6
NO. OF BLADES 10	12500	91.9	95.1	94.3	100.0	100.5	102.3	102.3	95.6	90.5	85.5	81.4	81.4	121.1
FAN TIP SPEED	15000	90.1	92.8	92.8	93.5	96.6	96.6	96.6	95.6	83.7	81.7	81.3	76.5	121.3
971. FT/SEC	20000	88.1	80.9	91.3	94.5	95.4	94.6	94.6	87.7	85.5	76.0	75.9	74.0	121.5
	25000	86.8	87.0	89.9	93.5	94.1	92.7	92.7	97.1	83.9	76.5	72.8	70.9	121.5
	31500	86.1	85.3	87.4	90.3	91.3	90.7	90.9	83.9	81.3	74.1	65.4	65.5	121.1
	40000	83.3	83.9	85.4	87.5	88.6	87.6	87.6	79.7	79.5	71.0	65.2	64.7	123.7
OVERALL MEASURED														
OVERALL CALCULATED	104.7	105.5	106.2	108.0	108.0	108.8	108.8	102.3	98.5	95.0	92.8	91.7	91.7	130.1
PNDB	118.0	118.6	117.2	119.5	118.6	118.0	118.0	112.8	109.7	107.5	104.0	102.9	102.9	

Run 12/Reading 10

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PHOC. DATE - MONTH 03 DAY 0 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DRY)

ANGLES FROM INLET IN DEGREES (AND RADIAN'S)

SPL INPUT AT STD	FREQ. (0.1)	10	20	30	40	50	60	70	80	90	100	110
STIDELINE 500 FT.	59	37.3	40.3	46.6	49.3	49.3	53.7	51.5	51.9	51.1	50.2	49.5
(152.40 M)	63	41.1	45.4	47.1	51.1	52.2	53.6	54.7	53.6	51.2	48.8	47.1
NFA 3131 RPM	100	42.6	50.1	55.3	54.5	55.5	55.9	56.7	57.4	56.0	53.1	51.2
( 328. RAD/SEC)	125	42.0	51.2	56.4	57.8	59.3	60.6	59.4	53.2	52.9	50.7	49.0
NFK 3373 RPM	160	38.9	48.3	54.1	55.9	55.9	57.2	55.0	56.4	55.3	50.9	50.4
( 324. RAD/SEC)	200	43.0	51.7	56.1	57.5	57.6	59.3	57.0	54.8	53.5	50.4	47.6
NFO 3244 RPM	250	40.2	50.6	57.3	59.2	59.0	61.3	58.9	56.4	54.6	51.4	48.6
( 340. RAD/SEC)	315	42.2	51.2	56.5	58.8	58.0	60.2	57.2	55.9	53.8	49.9	46.1
AIRFLOW RATIO	500	42.3	53.1	59.9	64.3	64.3	65.8	63.6	60.4	56.1	54.7	53.4
WF/WM 12.50	650	38.3	47.3	54.0	57.8	57.6	60.1	57.3	54.6	53.0	50.1	45.8
VEHICLE UTMSTM	800	39.3	48.4	55.0	55.0	60.6	62.4	63.9	58.1	56.4	51.9	49.0
CONFIG	1000	34.3	45.9	53.2	58.0	61.1	62.7	59.0	56.8	54.6	51.0	47.2
LOC SCHEMECTADY	1250	42.7	52.3	69.4	71.8	72.3	73.9	70.0	67.7	65.7	61.7	57.7
DATE 05-27-75	1600	37.8	49.3	57.5	61.0	62.1	63.5	61.0	58.6	55.9	52.1	49.0
NUM 12/10	2000	34.4	49.0	56.9	62.8	62.2	64.0	61.9	59.7	55.5	51.1	49.1
TAPE X00040	2500	38.1	51.3	60.7	65.2	63.3	70.2	67.7	63.4	60.9	57.2	54.4
FAN TIP SPEED	3000	43.0	53.7	66.1	70.7	70.4	76.3	71.0	67.1	65.5	61.7	62.9
970. FT/SEC	3500	34.2	54.5	63.6	67.3	73.2	75.3	73.2	66.4	63.0	61.5	58.7
OVERALL CALCULATED	4000	25.9	43.2	61.8	67.2	73.0	75.3	69.9	65.7	60.9	61.5	58.5
	4500	20.2	43.1	57.4	63.2	66.9	69.2	64.3	63.5	56.6	50.1	50.5
	5000	3.7	36.4	51.9	59.5	62.7	65.3	59.4	58.8	52.2	49.2	46.4
	10000	27.1	45.7	54.2	57.7	60.7	60.7	57.3	54.9	47.6	43.7	40.9
	PAGE	53.4	65.2	73.8	77.6	81.1	83.1	83.1	78.1	75.1	72.3	67.5
		62.1	77.5	86.1	90.8	93.0	97.0	91.5	88.3	85.4	82.6	81.4

Run 12/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PHOC DATE - MONTH 11 DAY 8 HR. 0,8  
 DEC. F. 70 PERCENT REL. HUM. DAY)

MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)  
 ANULLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)
50	67.1	67.8	67.1	66.3	65.8	70.6	70.1	65.3	67.6	67.5	66.9	66.3	102.1	102.1	102.1	102.1
53	73.0	73.0	73.0	77.8	78.3	77.3	74.0	73.3	75.3	76.5	74.9	75.0	109.4	109.4	109.4	109.4
RADIAL 17. FT. ( 5. M)	56	54.9	67.4	67.1	66.9	63.4	67.6	73.1	73.4	75.6	73.9	71.1	116.0	116.0	116.0	116.0
VEHICLE UTMSIN	125	81.7	80.9	79.7	78.4	75.4	76.9	75.7	75.4	75.2	73.7	73.4	109.8	109.8	109.8	109.8
CONFIC	160	79.6	77.4	76.9	76.6	76.9	77.4	75.4	75.6	75.1	73.9	72.9	109.6	109.6	109.6	109.6
LOC SCHECTADY	200	81.8	82.5	81.5	81.2	80.5	80.3	79.7	80.4	75.5	75.7	73.5	112.3	112.3	112.3	112.3
DATA 05-27-75	250	80.8	87.5	86.7	86.2	85.0	82.7	83.0	83.0	82.7	81.7	79.2	116.7	116.7	116.7	116.7
RUN 12/11	315	93.0	90.8	90.2	90.0	87.7	85.3	84.2	82.3	81.2	80.0	77.7	119.5	119.5	119.5	119.5
TAPE X00040	400	83.4	88.4	87.9	88.4	86.6	86.4	85.1	83.6	80.6	78.9	76.1	117.4	117.4	117.4	117.4
BAR 29.9 Hz	500	86.6	88.8	87.3	88.1	85.3	85.0	83.0	81.8	80.3	78.3	75.3	116.5	116.5	116.5	116.5
(1000. W/M2)	630	80.4	80.2	88.4	88.0	87.2	86.5	84.2	82.4	80.0	77.7	75.0	117.4	117.4	117.4	117.4
TAP 72 DEG F	800	91.5	89.5	90.7	92.3	91.3	88.9	87.5	85.0	83.0	80.3	77.8	120.7	120.7	120.7	120.7
(299. DEG K)	1000	89.9	89.7	89.9	91.2	89.2	87.5	85.2	83.3	80.2	77.7	73.7	119.1	119.1	119.1	119.1
TAP 57 DEG F	1250	91.8	91.3	91.2	91.6	89.6	85.6	86.0	84.2	81.0	79.0	74.2	120.8	120.8	120.8	120.8
(281. DEG K)	1600	87.9	87.9	88.6	90.0	88.7	87.2	85.1	82.9	80.4	77.4	73.6	119.1	119.1	119.1	119.1
HACT 0. W/M2	2000	84.7	80.7	85.7	86.6	85.3	85.3	83.4	81.3	77.7	75.3	72.2	119.2	119.2	119.2	119.2
( 46/M3)	2500	87.4	85.6	86.9	87.8	87.3	86.2	87.6	85.5	82.2	79.7	76.1	119.7	119.7	119.7	119.7
NFA 1:452 RPM	3150	90.9	90.7	90.9	101.1	103.3	102.0	101.6	100.3	96.2	95.3	90.9	118.1	118.1	118.1	118.1
(1200. RAD/SEC)	4000	91.9	90.5	92.3	94.4	96.1	95.9	94.5	93.9	88.9	87.5	83.1	119.4	119.4	119.4	119.4
NFK 11321 RPM	5000	87.6	87.8	88.6	89.6	91.3	90.5	90.0	89.1	84.4	81.2	77.9	121.4	121.4	121.4	121.4
(1186. RAD/SEC)	6300	99.0	98.0	99.2	101.2	105.6	99.9	95.7	95.8	91.1	87.6	80.1	118.4	118.4	118.4	118.4
NFC 115.7 RPM	8000	93.3	93.5	95.4	95.9	96.5	95.6	94.4	92.4	86.7	83.3	80.7	124.4	124.4	124.4	124.4
(1200. RAD/SEC)	10000	94.0	90.9	98.0	101.0	101.4	106.2	100.0	97.1	90.4	87.4	84.7	121.7	121.7	121.7	121.7
NO. OF PLATES 18	12500	91.4	92.4	93.6	95.5	97.5	97.5	95.6	94.6	88.5	84.0	81.6	127.0	127.0	127.0	127.0
FAN TIP SPEED	15000	89.1	89.6	91.3	94.5	95.5	92.9	94.1	92.3	87.0	81.5	76.8	126.3	126.3	126.3	126.3
1001. FT/SEC	20000	85.1	88.1	90.3	93.7	95.2	94.6	93.1	91.8	85.7	79.3	76.4	125.7	125.7	125.7	125.7
25000	87.0	87.3	89.7	92.8	94.1	93.2	91.5	91.5	89.9	83.9	76.5	72.8	125.4	125.4	125.4	125.4
31500	86.8	86.3	87.6	90.6	92.8	91.9	89.3	89.2	87.8	81.8	75.9	69.2	124.3	124.3	124.3	124.3
40000	84.1	84.6	85.1	88.2	89.4	88.6	87.4	85.9	84.0	73.7	65.7	65.9	123.3	123.3	123.3	123.3
OVERALL MEASURED																
OVERALL CALCULATED	109.6	109.2	106.4	106.5	109.1	100.4	107.3	105.5	100.7	98.5	95.8	92.1	130.3	130.3	130.3	130.3
PND8	119.2	116.0	119.3	121.1	122.2	121.4	120.3	118.3	114.9	113.4	109.6	109.2				

Run 12/Reading 11

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PHOC; DATE - MONTH 11 DAY 0 HR. 0.0  
 (59. DEG. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)											
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
SIDELINE 500 FT. (152.40 M)	50	39.9	47.1	53.1	56.3	59.3	55.5	55.5	56.4	55.3	54.2	54.0	
NFA 3229 RPM (338. RAD/SEC)	63	44.3	51.2	55.4	57.3	59.1	59.6	60.7	59.6	57.0	54.6	52.6	
NFM 3189 RPM (334. RAD/SEC)	80	48.6	55.8	60.0	61.5	61.1	62.6	63.4	63.6	62.5	60.9	58.7	
NFD 3244 RPM (340. RAD/SEC)	100	48.0	56.0	61.4	62.5	64.3	64.3	63.7	61.2	59.6	56.7	54.4	
AIRFLOW RATIO	125	45.6	54.8	60.6	61.4	61.2	62.0	61.6	60.6	53.8	55.6	52.6	
WF/WH 12.60	150	45.2	55.4	61.1	62.5	63.3	62.9	62.0	60.1	58.0	55.1	52.0	
VEHICLE UTWSTM 1000	200	46.7	57.1	64.0	66.2	65.9	66.0	65.4	62.9	60.3	56.9	54.4	
CONFIG 1250	250	46.0	55.7	62.5	63.8	64.3	63.4	62.4	59.9	57.5	53.4	51.1	
LOC SCHEMECTADY 1600	300	45.1	56.3	62.4	64.0	65.0	63.9	63.1	60.4	58.6	54.2	50.6	
DATE 05-29-75	350	39.9	49.4	56.4	59.7	61.1	60.7	59.5	59.6	56.8	52.8	49.8	
RUY 12/11	400	37.3	49.7	57.0	60.7	63.6	64.6	63.5	60.8	58.5	54.8	50.5	
TAPE X00040	450	46.9	60.8	69.7	75.8	77.8	78.2	75.0	74.5	73.7	69.2	64.2	
FAN TIP SPEED 4000	500	34.3	48.2	56.6	62.6	64.9	70.8	71.2	66.9	65.7	61.1	56.8	
1001 FT/SEC	550	41.9	57.5	67.2	71.2	73.3	73.9	65.9	61.9	59.0	55.4	51.3	
OVERALL CALCULATED	600	34.8	52.5	62.1	66.4	68.7	69.3	63.5	63.4	60.2	57.4	54.4	
PNPD	650	34.0	53.0	64.8	70.3	72.2	74.1	72.4	66.4	63.7	60.8	57.9	
	700	28.2	45.7	58.3	64.8	68.3	68.6	63.9	63.7	59.4	56.8	53.0	
	750	18.9	41.6	55.4	62.5	66.1	66.6	65.3	61.8	58.6	56.8	53.0	
	800	4.9	35.4	51.1	59.3	62.7	63.9	63.2	59.0	52.9	49.7	45.7	
	850		26.9	45.0	54.2	58.2	59.6	61.5	54.9	47.3	43.7	40.8	
	900		13.8	35.5	47.3	52.4	53.5	55.7	49.5	44.0	36.9	33.5	
	950	58.0	63.2	75.8	80.1	82.0	82.6	82.1	78.3	76.7	72.9	69.3	
	1000	62.3	77.3	87.1	92.0	94.1	95.2	94.2	89.4	85.5	83.3	80.1	





ORIGINAL PAGE IS  
OF POOR QUALITY

Run 12/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 01 DAY 0 HR, 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, 5AV7)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.1)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
90	32.9	40.3	45.1	48.3	49.3	49.2	52.0	51.7	50.8	50.4	49.5			
63	36.6	44.7	47.1	49.1	51.4	53.1	54.4	52.1	49.7	47.6	46.4			
SIDELINE 500. FT, (152.40 M)	80	39.6	47.6	51.2	52.3	52.6	53.6	54.9	55.4	54.8	52.4	50.4		
NFA 3247, RPM ( 340, RAD/SEC)	125	40.9	48.6	52.6	53.7	53.9	53.4	53.0	51.7	51.6	49.2	48.0		
NFM 3205, RPM ( 336, RAD/SEC)	200	41.3	48.2	53.9	55.1	57.3	57.3	55.9	54.7	53.8	51.7	49.4		
NFD 3241, RPM ( 340, RAD/SEC)	180	37.4	47.5	52.4	53.9	54.9	55.2	54.9	53.4	52.0	50.4	48.4		
200	37.7	46.2	52.9	54.8	57.1	57.2	56.8	54.1	52.5	52.6	51.5			
250	38.2	49.9	55.5	56.2	59.1	58.7	57.1	55.4	53.6	50.4	48.1			
315	42.0	51.2	55.5	56.8	57.5	58.6	55.9	54.6	52.3	48.6	46.1			
430	43.0	53.3	56.9	56.8	59.6	59.4	53.6	56.8	54.6	50.7	46.4			
AIRFLOW RATIO	530	37.8	49.0	53.3	57.8	60.6	61.0	59.1	57.8	54.8	51.6	48.0		
MF/LM 12.60	630	36.3	47.1	55.6	60.7	63.1	64.0	62.4	59.4	56.6	52.9	47.1		
500	36.1	47.7	54.7	59.2	61.6	61.6	59.1	55.8	55.5	52.5	49.0			
VEHICLE UTHSIN 1060	46.9	60.1	63.2	70.3	72.3	72.5	71.8	65.5	67.0	61.0	59.2			
CONFIG 1230	39.5	53.9	61.0	64.3	66.3	66.5	65.5	62.4	60.4	55.6	52.6			
LOC SCHENECTADY 1630	34.6	48.6	56.6	62.1	62.2	61.5	60.9	57.7	56.0	51.4	51.1			
DATE 05-29-75 2000	34.6	50.3	59.2	65.2	67.0	67.4	65.7	63.4	60.2	56.7	53.4			
RUN 12/12 2500	37.8	55.0	66.1	69.4	70.7	72.0	71.7	66.4	62.5	59.2	57.1			
TAPE XC0040 3150	32.5	50.5	61.3	67.3	69.0	69.4	65.2	64.9	61.2	58.5	55.7			
FAN TIP SPEED 4000	25.2	47.7	60.8	68.3	68.8	69.8	67.2	64.7	61.1	57.5	56.0			
1000. FT/SEC 5000	17.4	42.1	55.4	63.2	67.6	66.6	63.8	62.5	57.3	54.8	50.5			
6300	5.2	35.7	50.4	59.0	63.0	63.9	60.2	59.5	53.9	50.7	48.4			
8000		29.9	44.0	52.7	57.2	58.3	55.7	53.9	47.8	43.5	40.0			
10000		12.8	33.7	45.5	51.2	52.0	49.2	48.8	42.7	36.9	33.0			
OVERALL CALCULATED		52.6	64.7	72.9	76.9	76.6	79.0	77.9	74.8	72.0	68.1	65.7		
PNDB		59.4	75.5	85.5	89.8	91.6	92.3	91.3	87.6	84.0	80.7	78.1		



Run 12/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC DATE - MONTH 78 DAY 0 HR, 0.8

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)												
	FREQ. (0.1)	10 (0.157)	20 (0.35)	30 (0.52)	40 (0.70)	50 (0.87)	60 (1.05)	70 (1.22)	80 (1.40)	90 (1.57)	100 (1.75)	110 (1.92)	120 (2.09)
50	39.4	45.6	51.9	54.5	55.0	54.2	55.3	55.4	54.8	54.9	53.5	53.5	53.1
SIDELINE 500 FT, 80 (192.40 M)	63	43.3	51.4	54.6	56.6	55.6	58.1	57.7	59.1	56.5	53.5	53.5	53.7
NFA 3452 RPM (382 RAD/SEC)	129	48.8	53.8	58.0	59.8	59.9	60.4	61.7	62.4	61.0	58.1	58.1	55.7
NEK 3413 RPM (357 RAD/SEC)	200	50.6	57.8	62.1	62.7	62.6	62.4	62.0	61.0	60.1	57.7	56.5	56.5
NFD 3254 RPM (340 RAD/SEC)	290	51.0	57.5	62.4	64.9	65.3	64.3	63.9	63.7	61.6	57.4	55.9	55.9
AIRFLOW RATIO NF/WM 12.60	800	45.1	54.8	59.4	60.7	60.9	61.0	60.5	60.1	58.5	54.9	51.6	51.6
VEHICLE UTHSIM 1000	1250	45.2	54.4	59.1	61.3	62.3	61.9	61.0	59.1	57.2	54.6	52.0	52.0
CONFIG LCC SCHENECTADY	2060	45.9	56.4	61.6	64.2	65.2	65.0	63.4	61.1	58.8	55.9	52.6	52.6
DATE 05-29-75	2530	45.0	55.2	60.6	63.3	64.3	63.1	61.9	60.6	59.0	54.4	51.3	51.3
REV 12/13	3150	45.5	55.8	61.1	62.5	63.5	63.7	63.1	60.2	58.4	54.9	52.1	52.1
TAPE X00040	4000	42.8	53.3	58.3	61.0	62.6	62.2	60.6	59.3	57.5	52.6	51.8	51.8
FAN TIP SPEED 1073 FT/SEC	8000	38.5	49.9	56.4	60.5	63.8	63.7	62.1	60.4	58.6	53.9	50.8	50.8
OVERALL CALCULATED	6300	44.4	57.2	64.1	70.3	74.7	75.6	74.1	71.8	70.3	65.8	61.8	61.8
PNOB	8000	50.3	63.8	70.0	77.3	82.0	83.0	81.4	79.3	78.0	73.0	69.0	69.0
	8000	36.6	50.1	57.5	62.8	65.1	67.3	66.4	64.1	61.4	57.1	53.1	53.1
	8000	37.9	53.2	61.0	65.7	69.4	70.5	69.0	66.2	63.2	60.5	53.9	53.9
	8000	40.5	57.6	65.8	70.6	74.0	75.8	75.0	71.9	66.4	65.9	53.9	53.9
	8000	35.3	52.2	61.9	67.4	69.9	69.5	68.7	65.2	61.5	58.8	55.2	55.2
	8000	30.2	48.5	59.3	65.3	68.0	67.6	66.4	63.6	59.8	56.2	52.7	52.7
	8000	22.0	44.0	55.9	63.0	66.5	66.1	63.0	62.2	57.2	54.0	50.5	50.5
	8000	17.2	42.0	55.0	61.8	64.5	64.6	61.0	60.2	54.6	50.9	48.0	48.0
	8000	4.9	35.2	50.3	57.3	60.8	61.5	55.9	56.4	50.5	45.5	43.2	43.2
	8000	25.3	42.9	52.7	60.8	66.8	65.7	53.8	53.2	46.6	40.8	37.3	37.3
	8000	14.1	33.7	44.9	56.3	61.7	61.7	47.5	48.6	41.4	34.8	33.0	33.0
	8000	58.3	68.9	75.1	80.5	84.4	85.2	83.9	81.6	79.9	75.5	71.5	71.5
	8000	62.7	77.4	85.6	90.7	94.9	94.7	93.4	90.9	88.4	84.4	80.1	80.1

Run 12/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 79 DAY 0 HR 0.0

MODEL SOUND PRESSURE LEVELS (50% DEGA F, 70% PERCENT REL, HUM, DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)														PWL		
		0	10	20	30	40	50	60	70	80	90	100	110	120	130		140	150
50	66.2	65.6	65.2	67.3	69.3	69.6	66.8	65.3	67.1	67.3	68.6	69.3						101.6
63	73.5	73.3	74.8	77.5	78.3	78.0	74.3	73.0	75.3	76.5	74.9	75.3						105.6
80	85.9	85.4	85.6	84.9	87.9	86.9	71.4	72.6	71.6	74.6	73.1	76.6						105.1
RACIAL 17, FT.	100	85.6	83.4	84.1	81.4	81.4	80.9	82.7	84.6	84.4	84.9	83.7						97.1
VEHICLE (5, M)	125	71.4	70.4	70.9	69.2	67.4	66.9	68.7	68.7	68.7	68.4	67.4						102.1
SCAFIS	160	72.6	59.5	65.9	68.6	59.4	67.9	67.1	63.4	69.4	69.4	69.4						102.1
LOC SC-ENECTADY	250	70.5	71.5	72.7	70.7	70.2	60.5	69.5	73.5	70.2	65.2	65.2						103.3
DATE 05-29-75	250	75.3	74.0	73.5	72.7	71.5	70.0	69.7	73.3	70.5	70.0	69.2						104.2
REV 12/14	315	76.0	76.0	75.2	74.2	72.7	71.3	69.5	63.5	67.5	67.0	65.5						104.0
TAFS XC0040	400	78.1	78.4	77.4	76.4	76.1	76.4	75.4	73.9	73.1	71.9	68.6						107.9
BAR 39.9 KG	500	77.3	77.1	77.0	76.8	75.3	73.8	73.3	72.1	71.3	69.3	67.6						105.5
(0.958, N/M2)	630	80.4	80.7	82.2	81.5	80.2	79.5	79.2	77.4	74.2	72.5	71.2						111.3
TAFS 73, DEG F	800	81.0	83.3	85.7	85.3	83.8	82.3	81.2	75.3	75.8	73.5	70.5						114.9
(292, DEG K)	1000	87.7	88.9	84.9	84.0	83.2	81.5	80.2	77.3	75.4	73.2	72.0						115.6
TRST 60, DEG F	1250	86.8	89.5	88.7	86.8	85.3	84.6	82.5	82.7	78.5	76.3	76.0						115.3
(289, DEG K)	1400	82.9	83.6	85.3	85.5	84.4	83.4	82.8	81.4	78.6	76.4	71.9						115.0
HACT 0, GM/M3	2000	82.2	83.7	86.2	86.6	84.3	83.8	82.9	80.8	78.2	76.3	71.7						115.0
(, KG/M3)	2500	83.4	86.1	88.9	88.8	88.5	87.5	85.6	84.3	81.4	79.0	75.6						113.2
AFK 12090 RPM	3150	91.4	90.9	93.1	92.4	92.8	94.3	93.8	91.3	87.7	85.0	81.2						124.4
(1227, RAD/SEC)	4000	97.6	96.3	99.8	99.2	99.3	101.3	101.3	97.4	94.4	92.0	85.6						131.3
AFK 12027 RPM	5000	85.3	87.3	87.8	88.9	88.8	87.8	87.3	84.8	82.4	78.5	75.9						119.0
(1270, RAD/SEC)	6300	86.8	87.8	89.7	93.4	92.9	91.2	90.4	89.0	84.8	81.9	78.9						121.9
VFD 11507 RPM	8000	92.5	93.8	96.2	96.6	97.3	98.8	95.7	95.2	91.7	86.5	85.4						127.9
(1206, RAD/SEC)	10000	90.9	92.4	92.5	93.5	94.4	93.7	91.5	89.3	85.9	82.4	79.7						124.3
NO. OF BLADES 10	12500	90.9	92.9	92.0	93.5	94.5	93.8	91.8	89.3	86.3	81.7	79.1						124.3
FAN TIP SPEED	14000	86.6	89.1	90.3	91.5	92.6	92.4	90.6	86.3	85.2	81.2	76.8						123.0
1373, FT/SEC	20000	87.1	87.4	89.0	91.0	91.4	90.6	89.1	84.0	83.2	78.9	73.6						122.0
	25000	86.0	85.0	87.2	89.8	89.5	88.7	86.5	83.1	80.7	73.8	69.3						120.9
	31500	85.0	85.1	85.9	87.3	88.1	87.6	84.9	80.2	78.0	72.4	66.9						120.1
	40000	83.6	83.3	84.4	85.2	85.5	84.1	82.9	78.9	77.8	75.5	63.7						117.0
OVERALL MEASURED																		
OVERALL CALCULATED		102.4	102.6	104.3	104.5	104.9	105.2	104.5	101.7	98.7	95.6	91.9						101.6
PNDB		116.2	115.9	118.1	117.7	117.8	118.6	116.4	113.4	112.5	110.1	105.8						104.2

Run 12/Reading 14

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 79 DAY 8 HR, 0,8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, HUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
FREQ, (0.1)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	32.2	35.1	43.4	46.5	45.8	47.2	50.3	50.7	50.8	50.7	50.0						
63	33.3	40.4	44.9	47.1	47.1	49.4	54.2	51.3	46.5	46.3	46.9						
80	39.1	42.6	46.5	46.0	48.4	49.4	55.7	51.4	51.0	50.1	45.4						
SIDELINE 500 FT, (152.40 M)	100	36.4	43.8	47.6	49.0	49.4	46.9	47.7	48.2	47.9	45.2						
NFA 3482 RPM (362, RAD/SEC)	125	36.0	45.5	49.4	52.1	54.3	54.6	53.9	53.7	52.6	49.2						
160	35.9	44.5	49.4	50.9	51.4	52.2	51.9	51.6	49.8	47.9	44.4						
NFK 3416 RPM (358, RAD/SEC)	200	38.7	49.2	53.6	55.5	58.8	57.8	57.0	54.3	52.7	51.3						
250	40.4	52.1	57.0	58.7	59.4	59.7	57.8	55.8	53.6	50.4	45.1						
NFD 3244 RPM (340, RAD/SEC)	315	43.2	50.7	55.3	57.8	58.3	58.4	56.4	56.1	53.0	50.4						
400	43.8	53.8	57.3	59.5	61.0	60.4	57.6	57.8	55.9	51.4	47.4						
AIRFLOW RATIO	500	37.8	49.8	55.8	58.3	59.0	60.5	59.1	57.8	55.8	51.1						
WF/W 12.66	630	36.8	49.9	56.4	57.7	59.6	60.2	58.1	57.1	55.4	50.5						
800	42.5	56.0	61.6	65.8	69.7	70.9	68.9	66.3	63.8	59.2	57.0						
VEHICLE UT45IM	1000	47.8	61.9	67.7	71.5	76.0	78.0	75.1	72.8	70.5	65.0						
CONF 13	1250	35.9	48.8	55.8	63.8	62.3	63.6	62.2	60.4	56.7	53.9						
LDC SCHEMECTADY	1600	34.1	49.4	57.5	62.2	65.2	66.3	65.0	62.4	59.7	56.5						
DATE 05-29-75	2000	37.3	54.6	62.8	67.9	73.3	71.0	71.7	68.9	65.9	62.6						
RUN 12/14	2500	33.8	47.7	58.9	64.4	66.7	66.5	66.0	62.7	59.5	56.5						
TAPE XG0040	3150	38.2	47.2	57.5	63.6	66.0	66.1	64.9	62.6	58.3	55.4						
FAN TIP SPEED	4000	28.2	42.3	53.7	60.2	63.5	63.9	61.0	60.7	56.0	52.3						
1073, FT/SEC	5000	15.2	39.3	52.2	58.5	61.2	62.1	53.5	56.5	52.4	46.9						
6300	3.4	33.0	47.6	54.3	57.5	58.0	56.0	54.6	45.0	43.2	41.2						
8000		24.0	40.4	49.2	53.5	53.5	51.0	50.7	44.6	38.8	38.1						
10000			11.8	31.5	41.7	46.0	48.5	44.8	46.9	39.9	32.8						
OVERALL CALCULATED		52.6	65.4	71.7	76.0	79.2	80.6	78.6	76.4	73.7	69.5						
PNDB		58.9	74.1	82.3	87.1	89.7	90.4	89.8	87.5	84.3	80.7						



Run 12/Reading 15

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 87 DAY 8 HR, 0.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG, F, 70 PERCENT REL, MM, DAY)												
	FREQ, (0.1)	30	20	30	40	50	60	70	80	90	100	110	120
	(0.1)	(0.33)	(0.33)	(0.70)	(0.5)	(1.05)	(1.22)	(1.40)	(1.55)	(1.75)	(1.92)	(2.0)	(2.0)
	0	30	20	30	40	50	60	70	80	90	100	110	120
	(0.1)	(0.33)	(0.33)	(0.70)	(0.5)	(1.05)	(1.22)	(1.40)	(1.55)	(1.75)	(1.92)	(2.0)	(2.0)
SIDELINE 500 FT, (152.40 M)	50	32.2	39.6	43.6	46.0	47.7	51.5	51.2	51.3	51.7	51.0		
NFA 3625 RPM (383 RAD/SEC)	63	32.6	39.7	47.9	50.8	48.1	53.9	54.7	51.6	47.5	48.6	48.4	
NRK 3577 RPM (374 RAD/SEC)	80	33.6	41.6	45.7	47.0	46.9	49.1	50.2	50.6	50.8	49.6	48.2	
NFC 3248 RPM (340 RAD/SEC)	100	33.4	41.6	45.6	47.0	47.6	47.4	49.2	47.2	47.1	46.0	44.2	
AIRFLOW RATIO MF/MN 12.60	125	36.8	43.7	47.6	49.6	52.5	53.3	53.4	52.9	51.8	50.2	48.7	
VEHICLE UT+SIN 1000	160	33.9	43.0	47.6	49.7	50.2	50.2	51.1	49.9	49.0	47.4	44.9	
CONFIG 1250	200	42.2	50.4	53.6	55.3	56.1	55.2	56.0	54.1	53.2	51.6	48.8	
LOC SCHEMECTADY 1600	250	36.4	49.2	54.5	58.2	59.9	56.7	57.6	54.4	51.3	50.2	47.4	
SITE 85-29-75 2000	315	41.7	50.2	54.8	58.1	59.0	58.9	58.4	57.6	55.3	51.4	47.6	
RUN 12/15 2500	400	43.5	52.8	56.4	58.3	59.5	58.9	59.8	56.9	54.4	50.4	46.5	
TAPE X00040 3150	500	40.9	51.5	56.8	59.5	60.8	60.5	59.6	58.3	55.5	52.8	48.0	
FAN TIP SPEED 4000	630	38.8	48.9	55.6	58.5	61.1	61.5	59.6	58.6	56.6	52.9	49.3	
1123 FT/SEC 5000	800	42.9	54.2	59.8	63.8	65.9	68.4	65.9	63.8	60.8	57.3	53.5	
6300	1000	54.0	65.6	70.0	74.6	79.3	83.5	77.9	73.8	70.8	66.0	61.0	
8000	1250	36.9	49.1	54.3	60.5	63.1	63.6	62.2	59.4	56.4	52.9	49.8	
10000	1600	33.4	49.2	57.2	61.7	64.7	67.5	67.2	64.2	60.7	56.2	52.6	
OVERALL CALCULATED	2000	40.2	51.1	64.3	68.4	72.3	76.5	77.7	73.1	69.9	66.6	62.9	
PND9	2500	33.3	43.2	55.1	63.2	66.4	67.7	69.0	65.0	63.0	59.3	54.2	
	3150	32.2	49.5	59.5	65.3	68.5	69.4	70.6	68.6	64.0	60.9	55.4	
	4000	21.2	43.3	53.7	60.2	64.2	64.6	63.2	64.2	59.0	55.8	50.5	
	5000	16.7	40.3	52.7	58.5	61.9	63.1	62.7	64.5	55.9	52.4	47.5	
	6300	4.7	33.7	48.8	54.8	58.0	59.7	55.6	57.9	51.7	47.2	42.2	
	8000		24.8	40.9	50.2	54.0	55.2	53.0	53.4	48.3	42.6	37.3	
	10000		12.8	32.5	42.9	47.8	50.0	46.9	49.6	42.4	35.8	32.8	
		55.9	67.4	72.8	77.2	81.3	83.0	82.1	78.4	75.2	71.5	68.5	
		62.6	75.7	83.0	87.5	90.9	93.6	93.9	90.6	87.1	83.7	79.8	



## Run 12/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59.0 DB, F. 70 PERCENT REL. HUM, DAY)

PROG. DATE - MONTH 15 DAY 6 HR. 0:0

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STN	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	PWL
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)
50	71.1	67.1	66.1	69.3	71.3	71.6	67.3	67.1	66.6	66.8	67.6	66.1	66.1	102.3
63	74.0	74.3	75.5	78.3	77.0	78.3	74.8	74.0	75.0	77.0	75.5	75.3	75.3	118.2
80	87.9	86.1	85.6	86.1	85.1	86.4	70.6	72.6	71.6	74.1	72.9	70.9	70.9	134.9
100	89.9	85.9	85.4	83.9	81.9	82.7	64.4	65.6	67.4	67.6	67.1	66.4	66.4	136.7
125	76.7	75.9	75.2	73.9	73.2	71.7	71.4	71.7	72.2	70.9	71.2	71.4	71.4	135.9
150	76.6	73.6	72.9	74.4	74.6	73.1	71.4	72.9	72.6	72.1	72.1	71.9	71.9	106.5
200	80.7	82.7	81.7	81.5	81.2	79.5	76.5	77.2	77.2	74.7	71.0	74.0	74.0	111.7
250	84.0	83.5	83.0	82.2	80.7	79.5	78.7	78.7	78.5	77.5	75.2	73.7	73.7	112.7
315	85.8	87.0	86.2	85.7	84.0	81.5	80.2	78.5	77.2	76.5	74.2	73.2	73.2	114.6
400	86.7	87.4	86.6	85.7	85.6	83.4	83.6	82.6	80.9	79.6	78.1	74.9	74.9	116.6
500	85.4	85.6	85.5	85.1	83.3	81.5	81.5	79.2	77.6	75.8	73.1	70.6	70.6	114.1
630	90.3	89.7	88.9	88.0	86.5	84.3	83.2	81.2	78.7	76.7	74.2	73.2	73.2	117.0
800	89.2	89.3	89.5	89.3	89.3	87.5	85.3	82.0	79.5	76.0	74.3	74.3	74.3	121.5
1000	90.5	89.4	89.7	90.2	90.0	88.8	87.2	84.9	83.4	80.5	76.0	74.9	74.9	116.9
1250	91.1	91.3	91.0	91.6	91.3	93.1	91.7	90.0	87.8	85.5	80.8	75.5	75.5	123.5
1500	89.2	87.9	88.3	89.2	89.4	88.8	86.6	84.1	81.9	78.6	74.4	74.4	74.4	124.3
2000	85.5	86.5	86.2	87.4	87.6	89.5	86.4	84.4	82.0	82.3	77.5	75.5	75.5	119.6
2500	88.5	85.2	87.1	88.1	89.5	91.5	90.6	88.6	85.4	83.5	78.9	76.2	76.2	121.2
3150	91.0	91.7	91.6	92.1	91.8	92.5	92.3	90.6	87.4	83.5	81.2	79.0	79.0	125.4
4000	101.0	103.5	102.1	102.9	102.8	102.3	103.0	101.1	96.7	92.2	89.6	90.9	90.9	127.8
5000	98.0	97.0	98.1	98.9	98.8	92.5	92.0	89.6	84.6	81.5	79.1	76.4	76.4	122.8
6300	91.0	93.7	91.2	92.4	92.6	92.4	92.2	90.0	86.1	81.9	79.6	75.9	75.9	123.3
8000	98.6	98.4	99.0	99.5	101.4	101.6	99.6	96.8	95.0	90.4	87.5	84.2	84.2	131.6
10000	93.2	92.6	93.1	94.9	94.7	93.8	93.1	93.4	89.2	85.2	82.3	75.9	75.9	129.6
12500	95.5	95.3	95.0	96.5	96.5	96.0	95.1	94.1	91.0	87.2	83.8	79.9	79.9	127.6
15000	94.1	91.1	91.5	92.8	93.8	93.6	92.1	90.8	87.2	81.3	78.5	75.5	75.5	124.7
20000	94.4	90.2	90.9	93.2	93.1	92.0	90.8	88.6	85.7	79.3	75.1	73.2	73.2	124.1
25000	94.2	88.6	89.2	91.8	91.8	90.7	89.0	87.1	83.2	76.0	72.0	69.9	69.9	123.2
31500	92.7	87.1	88.1	89.3	89.3	89.1	85.8	84.9	81.8	74.9	69.2	66.0	66.0	122.3
40000	92.0	84.4	86.9	88.0	85.4	87.1	85.4	83.6	80.8	72.5	65.5	64.7	64.7	122.8
OVERALL MEASURED														
OVERALL CALCULATED	106.8	106.3	106.6	107.5	107.7	107.6	107.0	105.4	101.7	97.8	94.8	93.8	93.8	138.7
PWDB	119.9	121.3	120.5	121.2	121.3	121.0	121.0	119.3	115.5	111.8	109.0	106.8	106.8	

Run 12/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 15 MAY 0 HR. 0.9

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 79 PERCENT REL. HUM, DAY)											
	FREQ. (9)	10	20	30	40	50	60	70	80	90	100	110
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
	(0.35)	(0.71)	(1.06)	(1.41)	(1.77)	(2.12)	(2.48)	(2.83)	(3.18)	(3.54)	(3.89)	(4.25)
20	36.2	43.1	48.9	51.8	52.3	51.5	53.3	53.9	53.8	53.4	52.8	
63	44.6	51.4	55.6	58.1	58.1	56.4	57.9	58.3	58.3	58.3	58.1	54.6
SIDELINE 500 FT (152.4 M)	44.5	52.1	56.0	57.3	57.9	58.4	59.2	59.2	58.2	58.3	58.1	54.2
199	47.4	54.5	59.1	61.2	59.6	59.6	59.7	58.0	57.4	55.3	53.5	
SFA 3627 RPM (380 RAD/SEC)	47.9	54.7	58.3	61.6	63.3	62.5	62.7	61.8	60.3	56.7	54.9	
125	44.4	53.0	57.6	59.9	59.2	59.2	58.9	57.9	56.3	53.4	50.4	
RFK 3572 RPM (375 RAD/SEC)	47.7	55.9	60.1	61.8	61.5	61.9	60.3	58.8	57.0	54.3	52.6	
250	46.4	57.9	63.3	65.5	66.4	66.3	64.6	61.9	59.1	55.9	53.6	
TFD 3244 RPM (340 RAD/SEC)	45.7	55.5	61.3	64.6	65.5	65.4	64.1	63.1	60.3	55.6	54.1	
400	46.5	56.1	62.4	67.5	69.5	69.7	68.9	67.2	65.1	60.2	57.4	
AIRFLCH RATIO (WF/AM 12.8)	530	42.1	52.8	59.5	64.3	65.6	66.5	65.2	63.3	61.3	57.5	53.0
630	39.6	49.9	57.1	62.0	65.3	65.7	64.8	62.9	61.4	56.4	53.8	
850	43.4	54.5	61.3	64.2	67.9	69.4	68.7	66.1	62.3	59.5	57.0	
VEHICLE UTRM-M 1030	53.7	64.1	71.5	75.3	77.3	79.7	78.2	75.0	71.5	63.0	65.7	
1250	38.5	51.1	58.8	62.8	67.1	68.3	67.2	62.6	59.7	57.1	53.8	
LCC SCHENECTADY 1690	37.1	50.9	59.3	63.9	66.4	68.3	67.0	63.7	59.7	57.2	52.9	
DATE 05-29-75 2000	42.4	57.5	65.6	71.0	75.1	74.9	75.3	72.2	67.8	64.7	60.7	
RLA 12/16 2500	34.3	50.3	60.2	64.8	66.9	68.1	69.5	66.1	62.3	59.1	55.1	
TAPE X00040 3150	32.6	50.2	60.5	65.6	65.3	69.4	69.6	67.3	63.8	59.9	55.4	
PAN TIP SPEED 4000	22.3	43.8	54.9	61.5	64.7	65.4	65.0	62.7	57.2	54.0	50.2	
1124 FT/SEC 5000	18.0	41.7	54.4	61.2	62.7	63.2	63.1	60.9	54.3	51.3	47.7	
6300	6.0	35.0	49.8	56.6	59.5	60.5	60.2	57.1	50.2	46.0	42.9	
8000		26.3	42.4	51.4	55.0	55.7	55.7	53.7	47.1	41.1	36.8	
10000		14.3	34.2	44.4	49.3	51.0	51.4	49.9	41.9	34.5	32.5	
OVERALL CALCULATED	58.4	68.5	75.4	79.4	81.8	83.8	82.5	79.4	75.8	72.6	71.3	
PNDR	64.3	77.1	85.4	90.4	93.5	93.9	93.9	91.2	87.0	83.7	80.3	

Run 12/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (90. DEC. F, 70 PERCENT REL. HUM, DAY) PROC: DATE - MON 4 23 DAY 8 HR. 0:9

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PHL
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
FREQ. (C.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.63)	(2.81)	
50	73.6	83.1	88.8	91.8	93.6	94.6	95.1	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	
63	74.5	84.0	89.7	92.7	94.5	95.5	96.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	
80	69.6	79.1	84.8	87.8	89.6	90.6	91.1	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	
100	74.4	83.9	89.6	92.6	94.4	95.4	95.9	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	
125	83.9	93.4	99.1	102.1	103.9	104.9	105.4	105.6	105.7	105.8	105.9	106.0	106.1	106.2	106.3	106.4	
160	91.6	101.1	106.8	109.8	111.6	112.6	113.1	113.3	113.4	113.5	113.6	113.7	113.8	113.9	114.0	114.1	
200	95.7	105.2	110.9	113.9	115.7	116.7	117.2	117.4	117.5	117.6	117.7	117.8	117.9	118.0	118.1	118.2	
250	98.7	108.2	113.9	116.9	118.7	119.7	120.2	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	
315	93.8	103.3	109.0	112.0	113.8	114.8	115.3	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.2	116.3	
400	91.2	100.7	106.4	109.4	111.2	112.2	112.7	112.9	113.0	113.1	113.2	113.3	113.4	113.5	113.6	113.7	
500	90.6	100.1	105.8	108.8	110.6	111.6	112.1	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	113.1	
630	91.8	101.3	107.0	110.0	111.8	112.8	113.3	113.5	113.6	113.7	113.8	113.9	114.0	114.1	114.2	114.3	
800	93.1	102.6	108.3	111.3	113.1	114.1	114.6	114.8	114.9	115.0	115.1	115.2	115.3	115.4	115.5	115.6	
1000	91.0	100.5	106.2	109.2	111.0	112.0	112.5	112.7	112.8	112.9	113.0	113.1	113.2	113.3	113.4	113.5	
1250	92.6	102.1	107.8	110.8	112.6	113.6	114.1	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	
1600	93.7	103.2	108.9	111.9	113.7	114.7	115.2	115.4	115.5	115.6	115.7	115.8	115.9	116.0	116.1	116.2	
2000	87.1	96.6	102.3	105.3	107.1	108.1	108.6	108.8	108.9	109.0	109.1	109.2	109.3	109.4	109.5	109.6	
2500	88.7	98.2	103.9	106.9	108.7	109.7	110.2	110.4	110.5	110.6	110.7	110.8	110.9	111.0	111.1	111.2	
3150	103.5	113.0	118.7	121.7	123.5	124.5	125.0	125.2	125.3	125.4	125.5	125.6	125.7	125.8	125.9	126.0	
4000	98.0	107.5	113.2	116.2	118.0	119.0	119.5	119.7	119.8	119.9	120.0	120.1	120.2	120.3	120.4	120.5	
5000	89.7	99.2	104.9	107.9	109.7	110.7	111.2	111.4	111.5	111.6	111.7	111.8	111.9	112.0	112.1	112.2	
6300	98.7	108.2	113.9	116.9	118.7	119.7	120.2	120.4	120.5	120.6	120.7	120.8	120.9	121.0	121.1	121.2	
8000	96.4	105.9	111.6	114.6	116.4	117.4	117.9	118.1	118.2	118.3	118.4	118.5	118.6	118.7	118.8	118.9	
10000	95.2	104.7	110.4	113.4	115.2	116.2	116.7	116.9	117.0	117.1	117.2	117.3	117.4	117.5	117.6	117.7	
12500	93.5	103.0	108.7	111.7	113.5	114.5	115.0	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	116.0	
15000	93.4	102.9	108.6	111.6	113.4	114.4	114.9	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	
17500	93.4	102.9	108.6	111.6	113.4	114.4	114.9	115.1	115.2	115.3	115.4	115.5	115.6	115.7	115.8	115.9	
20000	92.9	102.4	108.1	111.1	112.9	113.9	114.4	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	
25000	92.9	102.4	108.1	111.1	112.9	113.9	114.4	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4	
31500	91.7	101.2	106.9	109.9	111.7	112.7	113.2	113.4	113.5	113.6	113.7	113.8	113.9	114.0	114.1	114.2	
40000	90.5	100.0	105.7	108.7	110.5	111.5	112.0	112.2	112.3	112.4	112.5	112.6	112.7	112.8	112.9	113.0	
OVERALL MEASURED																	
OVERALL CALCULATED	107.9	117.0	122.4	125.4	127.2	128.2	128.7	128.9	129.0	129.1	129.2	129.3	129.4	129.5	129.6	129.7	
PND	121.1	129.9	135.3	138.3	140.1	141.1	141.6	141.8	141.9	142.0	142.1	142.2	142.3	142.4	142.5	142.6	

Run 12/Reading 17

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROP. DATE - MONTH 23 DAY 8 HR: 8:8  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ, Hz	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEC. F. 70 PERCENT REL. HUM. DAY)											
		0°	10°	23°	30°	40°	50°	60°	70°	80°	90°	100°	110°
SIDELINE 500 FT	33	42.7	49.8	55.4	59.3	58.5	57.5	59.8	58.4	58.6	55.7	55.3	55.3
(152.43 M)	63	47.6	54.7	58.1	61.3	61.9	61.9	63.6	62.6	63.0	57.3	55.6	55.6
RFA 3299, RPM	130	51.0	58.3	62.2	64.3	64.6	64.9	65.4	65.9	65.5	62.6	59.7	59.7
(345, RAD/SEC)	125	55.1	62.3	65.3	67.2	66.9	68.5	66.0	65.9	64.2	62.5	61.0	61.0
SFK 3250, RPM	160	59.3	59.2	64.4	65.2	67.0	68.8	66.2	64.2	62.8	59.9	57.9	57.9
(340, RAD/SEC)	230	69.1	58.5	64.4	65.2	69.2	65.5	64.9	63.6	61.8	59.1	55.9	55.9
NFD 3244, RPM	230	50.0	58.9	64.4	66.0	66.8	65.9	64.9	63.6	61.8	59.1	55.9	55.9
(340, RAD/SEC)	315	90.2	59.9	65.8	66.7	69.1	68.7	65.3	62.3	60.3	57.6	55.3	55.3
AIRFLOW RATIO	500	47.5	58.2	64.3	66.1	66.0	64.6	63.3	61.6	60.2	59.4	58.6	58.6
W/P 12.63	630	48.3	58.1	63.9	66.0	65.3	63.4	64.4	62.9	60.1	55.4	52.4	52.4
VEHICLE UTMSM	800	44.6	54.3	60.5	63.3	62.5	61.5	59.3	57.3	52.6	50.3	50.3	50.3
GC/FIG	1000	60.8	51.9	57.6	61.7	62.1	61.0	60.8	57.6	55.9	52.1	48.8	48.8
LCC SCHEVECTADY	1250	39.6	50.4	57.2	61.5	63.9	62.8	62.4	59.0	55.2	52.0	49.0	49.0
DATE 05-27-75	1600	48.3	61.8	70.7	76.1	76.0	79.5	78.1	73.5	72.0	71.5	64.4	64.4
BLN 12/17	2000	35.8	50.0	58.9	63.3	66.0	67.3	74.9	72.1	68.7	67.9	61.3	61.3
YARE X00040	2500	42.1	58.5	67.0	73.2	73.3	78.4	78.9	68.2	62.2	58.5	56.4	56.4
PAN TIP SPEED	3000	38.2	55.8	64.7	69.8	73.0	78.4	78.9	68.2	64.2	60.2	59.9	59.9
3223, FT/SEC	4000	34.4	53.6	65.7	71.4	73.1	73.5	71.2	66.8	63.3	60.8	58.2	58.2
OVERALL CALCULATED	5000	23.4	46.5	58.8	64.5	68.1	63.3	67.4	62.9	58.8	55.3	53.0	53.0
PNR	6000	18.5	43.9	56.6	63.5	67.4	67.4	67.4	61.8	57.1	54.3	51.0	51.0
	8000	6.5	38.1	53.1	61.2	63.7	64.3	64.3	59.0	52.8	50.6	47.4	47.4
	10000	30.1	48.2	55.2	59.4	61.1	63.0	63.0	55.1	45.0	44.7	41.5	41.5
	12000	17.8	39.0	48.5	53.7	55.2	59.1	59.1	49.8	42.7	38.7	34.0	34.0
	14000	04.2	20.7	27.6	31.5	34.3	34.3	34.3	30.3	27.0	25.4	20.9	20.9
	16000	04.2	19.1	26.5	32.9	35.6	35.6	35.6	30.3	27.0	25.4	21.3	21.3



Run 12/Reading 18

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 32 DAY 8 HR. 0:0

SPL INPUT AT STD	FREQ. (0.0)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39. DEG. F, 20 PERCENT REL; HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
	50	35.4	40.3	46.1	49.0	49.0	49.0	49.0	51.5	52.2	51.6	50.9	52.3				
	63	37.1	44.2	46.5	49.6	51.1	52.6	50.1	55.1	51.7	48.1	48.8					
SIDELINE 5007 FT	80	38.8	47.1	51.0	52.5	52.9	53.6	55.2	56.9	54.5	52.4	52.7					
(152.43 M)	100	41.4	49.3	53.3	55.0	54.6	54.1	53.2	52.2	51.9	49.7	48.7					
NFA 3300, RPM	125	41.3	49.7	54.1	56.1	57.5	57.1	56.7	55.2	53.8	51.4	49.9					
( 345, RAD/SEC)	160	37.9	49.5	52.6	54.7	55.2	55.7	54.9	53.6	52.3	49.6	47.4					
NFK 3254, RPM	200	38.0	48.7	53.9	55.0	58.1	58.2	57.6	55.1	53.2	51.8	49.8					
( 341, RAD/SEC)	250	38.9	49.9	56.5	59.0	59.7	60.0	57.9	55.6	54.1	51.4	49.1					
KFD 3244, RPM	315	41.7	51.0	56.0	57.8	58.5	59.9	56.6	54.9	53.5	54.9	46.6					
( 340, RAD/SEC)	400	42.0	51.3	55.9	59.3	59.5	59.4	58.4	55.4	53.6	49.4	45.4					
AIRFLOW RATIO	500	37.6	47.8	53.3	57.5	59.1	60.0	58.5	56.8	54.8	51.1	47.0					
W/WH 12.67	630	35.8	46.1	54.1	58.0	60.8	60.5	58.0	55.4	54.9	50.9	47.6					
VEHICLE UTHS1M	800	35.9	46.9	54.0	57.7	60.4	60.1	58.6	56.3	54.8	50.3	46.7					
CCAF10	1000	45.0	58.6	55.2	69.0	71.3	72.5	71.1	68.7	66.0	64.7	57.9					
LCC SCHENECTADY	1250	41.0	55.0	62.3	66.5	68.3	69.1	67.7	65.6	62.9	61.6	55.1					
DATE 65-29-75	1600	34.5	45.0	57.9	59.3	61.2	62.8	60.4	57.7	54.7	51.1	49.1					
RUN 12/18	2000	32.9	49.5	59.0	63.2	66.3	68.9	64.9	61.9	59.4	56.0	52.6					
TAPE X00040	2500	33.7	56.1	66.5	65.8	68.0	69.9	70.3	66.7	64.1	60.3	59.5					
PAN TIP SPEED	3150	30.9	50.4	60.7	65.6	68.1	68.5	66.7	63.5	60.8	57.6	54.8					
1023, FT/SEC	4000	24.7	46.0	59.0	66.3	67.3	68.8	65.7	62.9	58.9	56.5	53.3					
6300	5000	18.3	41.4	54.1	62.7	66.1	65.4	63.3	61.8	57.1	53.3	50.5					
8000	6300	4.0	34.6	49.6	58.0	61.4	63.1	61.3	58.5	52.1	49.1	45.9					
10000	8000		24.9	43.0	51.5	55.7	57.3	56.3	53.1	46.8	42.2	35.8					
OVERALL CALCULATED	10000		12.3	33.0	45.0	50.2	51.7	55.4	48.3	41.7	36.2	32.0					
PNUS		52.0	64.3	72.1	75.6	77.7	78.5	77.2	74.6	71.8	69.6	65.7					
		57.7	75.7	85.4	88.3	90.4	91.1	93.4	87.4	84.4	81.1	75.8					

Run 12/Reading 19

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70 PERCENT REL. HUM, DAYS)										PROC. DATE - MONTH 39 DAY 8 HR. 00		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.		100.	
RADIAL 17. FT.	50	73.1	66.6	67.1	76.6	75.8	71.6	70.3	68.6	67.6	65.3	67.1	66.6	103.7
( 5. 4)	63	74.8	72.6	74.5	77.8	75.5	78.3	74.0	74.0	75.3	77.0	74.3	75.3	103.9
VEHICLE UTHSIN	80	74.9	65.1	65.1	73.9	67.9	68.1	69.9	72.4	71.0	74.1	72.6	70.4	103.2
CONFIG	100	75.9	76.6	69.6	70.1	65.6	68.4	68.4	70.9	71.4	72.9	72.4	71.4	103.5
LCC SCHNECTADY	125	81.9	80.9	80.2	78.4	78.4	77.4	75.2	75.7	75.7	74.4	73.4	73.9	104.3
DATE 65-29-75	150	81.9	82.7	83.0	80.7	81.2	81.3	80.2	81.0	74.9	72.9	71.9	72.1	103.1
TIME 12/19	200	81.5	87.2	87.0	85.7	84.2	83.5	82.5	83.2	82.5	81.2	79.0	72.0	109.5
WIND 12/19	315	89.5	90.0	89.5	88.7	87.7	84.8	83.2	81.7	83.5	79.7	77.5	76.2	113.1
WIND X00040	400	87.2	87.1	86.6	85.9	85.6	84.4	83.2	81.7	83.5	79.7	77.5	76.2	113.1
WIND 29.9 MS	500	87.4	86.8	87.5	86.3	85.9	84.4	83.2	81.7	83.5	79.7	77.5	76.2	113.1
WIND 29.9 N/42	630	92.0	91.2	90.9	89.0	89.0	87.8	86.8	84.0	84.0	80.7	78.7	74.8	117.8
WIND 73.1 DEG F	800	92.3	92.0	92.0	91.3	91.8	89.1	87.5	85.0	84.0	80.7	78.7	74.8	117.8
WIND (29.9) DEG K	1000	88.8	88.7	89.9	90.2	89.5	87.3	84.2	81.9	79.2	77.0	73.2	71.2	120.6
WIND 60.1 DEG F	1250	89.1	88.8	89.7	89.3	89.3	86.8	84.0	81.2	78.8	76.0	72.8	70.0	115.6
WIND (29.9) DEG K	1600	89.2	87.9	87.3	86.7	85.9	83.9	81.6	78.3	75.9	74.4	71.1	68.9	115.2
WIND 1.0 MS/MS	2000	87.1	87.0	86.4	84.9	84.6	83.5	80.8	77.2	74.2	73.3	69.7	67.5	115.5
WIND 1.0 KG/MS	2500	82.7	93.2	93.4	94.3	94.3	93.5	90.6	89.3	85.9	83.7	81.6	77.2	114.5
WIND 3371.0 RPM	3150	83.5	92.7	98.4	94.6	94.6	93.5	90.6	89.3	85.9	83.7	81.6	77.2	114.5
WIND (9.1) RAD/SEC	4000	89.0	85.7	87.1	87.9	88.1	88.0	86.8	83.6	79.9	78.2	74.9	72.4	123.7
WIND 9247.0 RPM	5000	91.0	90.0	91.6	92.4	93.3	94.3	91.5	87.3	82.6	75.2	77.9	75.2	123.9
WIND (9.8) RAD/SEC	6300	93.5	91.5	93.4	94.4	94.6	94.7	91.9	87.3	82.6	79.6	78.4	77.7	115.3
WIND 11517.0 RPM	8000	91.9	91.2	93.0	95.7	95.1	95.1	91.9	87.3	82.6	79.6	78.4	77.7	123.2
WIND (12.0) RAD/SEC	10000	91.2	91.1	92.6	95.4	95.9	94.8	92.9	89.1	83.5	81.6	79.5	77.4	124.2
WIND 300 CF BLADES 10	12500	92.5	89.8	91.3	94.7	95.5	95.0	93.3	89.4	83.2	80.2	78.0	76.9	123.3
FAN TIP SPEED 15000	15000	92.4	86.4	88.5	93.3	92.6	92.9	91.3	88.8	83.0	79.3	75.0	75.4	115.3
FAN 20000	20000	92.6	85.2	87.9	93.4	91.9	92.0	90.0	84.4	80.7	76.0	74.0	72.5	125.2
FAN 25000	25000	92.9	84.8	85.7	93.8	91.5	92.0	88.8	84.4	77.9	72.3	71.0	70.0	121.1
FAN 31500	31500	91.7	82.6	85.1	92.1	89.3	88.4	85.5	81.4	75.2	68.5	65.0	65.9	122.3
FAN 40000	40000	91.0	81.1	84.6	90.2	87.1	85.9	84.1	78.6	72.0	65.5	60.7	62.7	121.0
OVERALL MEASURED		105.0	103.0	105.3	105.8	105.4	105.1	103.3	96.2	95.2	92.9	90.9	85.7	139.7
OVERALL CALCULATED		106.0	105.7	108.9	117.1	117.0	117.4	115.8	111.5	108.2	106.1	104.1	101.3	139.7

Run 12/Reading 19

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE - MONTH 39 DAY 8 HR. 3:8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F. 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.0)	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	0.0	0.0	0.0	0.0	0.0
	(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
50	40.9	48.1	53.4	56.8	58.8	59.7	58.8	56.2	54.3	53.2	53.0							
63	44.6	52.7	54.9	58.1	60.1	60.1	61.6	59.8	57.0	53.8	52.6							
SIDELINE 5000 FT; (152.40 M)	60	48.3	56.1	59.5	61.8	61.9	62.1	63.7	63.4	62.3	59.9	56.7						
KFA 2640. RPM	100	53.4	58.1	62.1	64.0	62.9	62.6	62.0	61.2	60.8	58.2	56.5						
( 274. RAD/SEC)	125	46.8	54.7	58.9	61.6	62.3	61.6	60.9	58.7	57.8	54.2	52.4						
NFK 2635. RPM	160	45.6	55.0	59.4	61.4	61.4	61.2	60.4	59.4	55.3	55.1	51.9						
( 273. RAD/SEC)	200	49.2	57.9	62.1	65.0	65.1	64.4	63.5	60.8	59.0	56.6	54.3						
NFD 3244. RPM	250	49.2	58.4	63.0	65.7	66.1	66.0	64.4	61.9	60.1	56.7	54.1						
( 340. RAD/SEC)	315	49.0	55.7	61.5	64.1	64.0	62.4	61.1	58.9	56.8	52.9	50.3						
AIRFLOW RATIO	400	44.0	54.8	60.1	63.5	63.3	61.9	60.1	58.2	56.4	52.2	48.9						
WF/WH 12.00	500	42.1	51.8	57.0	59.8	60.1	59.2	57.0	55.1	53.8	50.3	47.5						
VEHICLE UTMSIN	600	46.3	62.0	64.1	67.7	71.3	71.9	68.2	64.8	62.8	60.6	55.5						
CONFIG	800	44.4	61.2	63.8	67.5	71.4	71.9	67.9	64.6	62.6	60.8	56.3						
LCC SCHENECTADY	1000	36.0	49.1	56.5	61.6	63.0	63.5	61.3	58.3	56.8	53.2	50.2						
DATE 05-29-75	1250	38.5	52.6	60.3	65.3	68.8	67.8	64.4	61.6	57.4	55.9	53.0						
BLN 12/19	1600	37.8	53.2	61.3	65.9	68.7	67.8	64.0	60.4	57.4	56.0	54.6						
TAPE X30000	2000	39.2	51.5	61.9	66.7	68.6	68.6	65.6	60.7	58.0	56.7	54.0						
EAN TIP SPEED	2500	32.5	49.8	60.7	65.8	67.8	67.8	64.5	60.1	57.8	55.1	53.1						
810. FT/SEC	3190	27.1	46.5	58.8	64.6	67.3	67.6	64.4	59.3	56.8	54.4	50.9						
OVERALL CALCULATED	4000	17.6	40.8	55.4	62.2	64.0	64.1	61.0	56.2	51.7	49.8	47.2						
PNOB	5000	13.0	38.7	54.7	59.0	60.9	61.8	58.9	53.2	47.8	46.3	44.4						
	6000	2.2	32.5	51.8	55.3	58.0	59.3	55.4	49.1	42.7	40.7	39.9						
	8000		23.3	45.2	51.4	54.3	54.5	51.7	44.9	39.1	35.1	34.3						
	10000		12.1	36.5	43.2	47.8	49.7	46.4	41.1	34.9	29.8	30.5						
			58.0	68.9	73.7	77.3	79.5	79.4	76.7	73.7	71.7	69.4	66.5					
			60.6	75.7	84.1	88.6	90.9	91.6	88.1	83.8	80.9	78.6	76.0					



## Run 12/Reading 20

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 47 DAY 8 MR. 8:7  
 MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM., DAY)

SPL INPUT AT STD

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.	0.	PWL
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	65.1	65.8	66.1	66.1	66.8	67.0	67.3	67.1	67.8	67.1	67.6	66.6	65.8							101.6
63	73.3	73.0	74.8	77.5	79.0	78.3	74.0	73.8	75.3	77.9	75.8	76.0	76.0							110.0
RADIAL 17. FT.	80	83.3	65.1	34.9	65.4	67.9	68.4	70.4	72.4	71.9	74.1	72.4	70.4							104.7
( S. M)	100	70.1	89.4	68.4	66.9	65.1	65.1	67.9	70.1	76.8	71.8	71.1	70.1							103.3
VEHICLE UTHSIM	125	86.4	79.7	78.4	76.7	76.7	75.4	73.9	74.2	74.2	72.7	71.7	72.4							108.5
CONFIG	150	79.1	77.1	76.9	78.1	78.4	76.6	74.6	75.1	73.6	72.1	70.9	71.1							109.7
LCC SCHENECTADY	200	80.0	81.5	81.7	80.2	79.7	80.0	79.8	79.7	77.7	75.8	72.2	71.2							111.0
DATE 05-29-75	250	87.7	86.7	85.7	85.0	84.0	82.2	81.7	82.0	81.2	80.0	78.0	75.2							115.0
BLN 12/20	315	89.8	89.2	89.2	88.5	85.7	84.0	82.5	81.2	80.0	78.7	76.7	75.5							117.2
TAPE X00040	400	85.7	85.9	85.9	85.9	85.1	83.9	82.1	80.1	77.6	75.9	73.1	71.4							115.3
EAR 27.9 HG	500	85.6	85.3	86.0	86.1	84.8	82.6	81.6	79.5	77.8	76.8	73.0	71.1							114.9
(03588, N/42)	630	90.8	89.7	89.9	89.7	88.0	86.5	84.2	82.2	79.5	77.0	74.2	72.9							118.2
TAME 74.1 DEG F	800	91.3	90.8	91.0	91.0	90.0	88.1	86.5	83.3	81.3	78.8	75.8	73.5							119.6
(294, DEG K)	1000	87.8	87.7	89.4	89.7	89.0	88.9	83.9	81.2	78.9	76.5	73.2	70.2							113.1
TKET 80.1 DEG F	1200	88.9	88.3	89.5	89.5	88.1	86.3	84.5	81.0	79.0	76.5	72.8	69.0							117.9
(289, DEG K)	1600	88.5	87.6	87.1	85.7	85.7	83.9	81.1	78.5	75.6	74.2	70.4	66.1							115.4
WACT 0. GH/M3	2000	85.1	85.8	85.4	84.6	83.8	82.0	80.4	76.9	73.7	72.5	68.7	66.2							113.7
( ) KG/M3	2500	94.2	93.9	96.1	93.3	93.5	94.2	93.8	92.1	85.7	83.5	80.9	75.9							124.7
SFA 9375. RPM	3150	94.8	94.2	96.6	93.6	93.8	94.0	94.1	90.1	85.9	83.5	80.2	76.2							124.0
( 982, RAD/SEC)	4000	84.7	85.7	85.8	85.9	87.8	87.3	85.5	83.3	79.2	77.2	73.6	71.7							117.0
SFK 9242. RPM	5000	89.0	90.2	91.8	91.9	92.8	93.8	92.0	87.6	82.9	80.0	77.1	76.2							123.1
( 988, RAD/SEC)	6300	92.2	92.5	93.7	93.9	94.1	95.2	92.7	88.5	83.3	80.6	76.9	77.7							124.5
SFD 11527. RPM	8000	91.4	92.8	94.0	96.5	97.6	95.9	94.3	93.3	84.8	81.1	79.5	77.9							126.3
(1200, RAD/SEC)	10000	90.2	90.8	92.9	95.6	96.0	95.0	93.4	89.3	83.9	80.7	79.0	76.9							125.4
NO. OF BLADES 18	12500	89.5	89.1	91.3	94.5	95.5	95.3	94.1	89.8	84.0	80.5	78.9	76.6							125.4
FAN TIP SPEED 18000	15000	86.4	85.9	88.0	90.8	92.8	92.6	90.8	88.1	81.9	76.7	74.5	72.5							122.9
812. FT/SEC	20000	84.9	84.7	87.4	90.4	91.6	90.8	89.0	87.4	79.2	72.8	70.8	69.7							122.0
	25000	83.7	83.8	86.2	90.0	89.8	85.9	87.5	85.1	75.7	68.5	66.3	66.0							121.0
	31500	81.9	81.4	84.1	87.1	86.3	87.6	85.5	82.1	73.6	67.4	63.2	63.3							119.9
	40000	79.7	79.4	82.6	84.5	85.6	84.6	82.9	80.3	72.3	65.7	60.5	62.7							118.0
OVERALL MEASURED																				
OVERALL CALCULATED		103.1	103.0	104.5	104.9	105.3	104.8	103.4	99.9	95.2	92.7	88.4	88.2							135.4
PNR08		116.4	116.2	117.8	116.5	116.9	116.2	115.4	111.9	108.1	105.8	103.4	100.1							

Run 12/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 47 DAY 9 HR: 0:0  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT ST2	FREQ. (C)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F. TO PERCENT REL. HUM. DATA)											
		0	10	20	30	40	50	60	70	80	90	100	110
SIDELINE 5007 FT (152.43 M)	50	39.7	47.1	52.6	55.5	55.5	54.7	56.0	54.9	53.6	52.2	52.0	
RFA 2641 RPM (276.1 RAD/SEC)	83	43.3	51.4	54.4	56.6	58.6	58.9	60.4	58.8	56.2	53.3	51.9	
NFA 2603 RPM (273.1 RAD/SEC)	125	49.6	57.8	61.8	67.5	60.6	61.9	61.9	60.7	59.8	57.5	55.7	
NFD 3244 RPM (340.1 RAD/SEC)	160	45.5	54.0	58.9	61.1	61.8	61.3	60.2	58.2	56.6	53.7	51.7	
A:RFLCN RATIO	230	44.1	53.5	58.6	60.4	60.2	60.0	59.6	58.1	57.0	54.1	50.9	
VE/WH 12.60	250	47.7	56.9	61.9	63.0	63.5	62.9	61.9	59.6	57.2	54.3	52.5	
VEHICLE UTHSIM	315	47.9	57.4	62.8	63.0	63.5	62.9	61.9	59.6	57.2	54.3	52.5	
CCNFIG	400	44.0	55.2	61.0	63.6	65.1	65.0	63.1	61.1	58.8	55.7	52.9	
LCC SCHENECTADY	500	43.5	54.6	60.5	62.3	62.8	61.9	60.3	58.6	56.3	52.6	49.3	
DATE 05-29-75	630	41.9	51.5	57.0	59.5	60.1	53.7	56.7	54.8	53.5	52.2	48.5	
BLN 12/20	800	47.0	59.8	63.1	67.0	70.0	71.2	68.5	64.6	62.6	59.8	54.3	
TAPE X00040	1000	45.9	59.5	62.8	66.8	69.4	71.1	68.2	64.6	62.3	59.8	54.3	
PAN TIP SPEED	1250	36.0	47.3	55.5	60.3	62.3	63.5	61.1	57.9	55.0	52.1	49.3	
818. FT/SEC	1600	38.8	52.8	59.8	64.8	68.3	68.3	65.2	60.9	58.2	55.1	53.6	
OVERALL CALCULATED	2000	38.8	53.4	61.0	65.4	69.2	68.5	65.5	60.9	58.2	55.1	53.6	
PNDR	2500	36.2	52.5	62.5	68.2	69.4	68.6	65.8	62.7	59.5	56.7	54.6	
	3150	32.2	50.1	61.0	66.0	68.0	68.3	65.0	60.8	57.8	55.9	53.1	
	4000	26.4	46.5	58.5	64.6	67.5	66.4	65.4	60.3	57.0	55.2	52.2	
	5000	17.1	40.3	52.9	60.5	63.7	64.1	62.7	57.0	52.9	50.0	47.2	
	6300	12.5	38.2	51.7	58.7	61.4	62.0	61.9	54.4	48.3	46.1	44.2	
	8000	1.2	32.0	48.1	54.6	57.8	59.0	58.2	49.6	42.7	40.2	39.9	
	10000		22.3	40.2	49.4	53.5	54.0	53.0	45.4	39.6	35.1	34.1	
			18.1	39.7	41.7	46.3	48.5	48.1	41.4	35.2	29.5	28.5	
				73.3	77.0	78.9	79.3	77.1	73.6	71.3	68.7	65.8	
				83.7	88.6	90.8	91.3	89.0	84.3	81.1	78.7	75.8	

## Run 14/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM											PROC. DATE - MONTH 50 DAY 0 HR: 0.0									
MODEL SOUND PRESSURE LEVELS (59) DEG. F, 70 PERCENT REL. HUM: DAY)											ANGLES FROM INLET IN DEGREES (AND RADIANS)									
SPL INPUT AT STD		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PAL
	FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	56.1	66.6	65.1	65.1	66.8	68.6	68.1	67.3	64.6	67.3	65.8	63.1							107.2
	63	59.0	71.5	70.6	69.3	70.0	71.3	69.9	71.3	70.5	77.3	74.2	78.5							106.2
RADIAL 17. FT.	86	63.6	64.9	65.9	65.9	66.4	69.6	73.9	75.4	75.1	76.4	75.4	72.9							107.5
( 3. M)	100	65.9	65.9	65.4	63.2	61.9	62.9	60.1	60.1	65.6	65.6	65.4	67.4							101.1
VEHICLE UTMSH	125	73.9	73.7	73.7	71.4	69.7	68.9	71.7	73.7	68.4	66.2	66.2	70.2							104.9
CONVIC	160	73.6	71.9	71.4	72.1	72.4	70.9	69.9	73.4	66.9	66.9	66.4	66.1							103.6
LSC SCHEMECTADY	200	74.5	75.3	75.7	74.2	74.5	74.0	73.5	74.5	72.0	69.7	65.5	66.5							106.5
DATE 06-02-75	250	82.0	81.0	80.5	79.5	79.2	78.5	78.7	77.3	76.5	77.2	75.7	72.2							111.4
RUN 14/4	315	85.5	85.8	85.3	83.2	82.5	79.8	79.0	78.0	76.7	76.5	75.2	73.2							113.3
TARE X00060	400	81.6	81.1	81.9	81.2	80.6	79.4	77.9	77.1	74.1	72.4	71.9	69.6							111.1
BAR 29.7 HG	500	81.3	82.1	81.8	80.8	79.1	78.1	77.5	75.1	75.1	73.3	71.8	68.5							110.9
(0.0292 N/M2)	630	84.2	84.4	84.9	83.2	82.7	81.8	80.4	81.2	75.7	74.5	73.8	69.9							115.5
TARE 62 DEG F	800	85.5	85.3	85.0	84.3	84.0	83.3	82.0	81.0	77.0	74.8	73.8	70.0							114.0
(290. DEG K)	1000	84.2	83.9	81.2	79.7	79.5	75.3	78.2	77.1	74.4	72.2	66.7	65.4							111.6
TARE 60 DEG F	1250	77.3	80.5	81.5	80.1	78.3	77.6	75.7	75.7	73.0	71.3	68.0	63.8							109.3
(250. DEG K)	1500	79.1	78.6	81.1	79.7	77.9	76.7	75.1	73.7	71.9	69.9	67.6	63.1							108.5
HACT 0. CM/H3	2000	79.9	80.2	80.4	79.9	78.3	76.5	75.1	73.8	71.0	69.0	67.2	63.2							106.9
(.00027 M3/S)	2500	89.1	92.4	93.1	92.6	86.5	86.7	86.1	85.3	80.7	79.0	77.1	72.9							117.1
NEA 7000. RPM	3150	92.7	97.4	96.9	92.9	92.1	91.8	91.3	91.6	85.2	83.5	82.4	77.2							114.2
(1005. RAD/SEC)	4000	86.0	85.0	85.6	84.1	81.6	79.9	78.3	76.0	75.4	72.3	71.4	66.2							111.3
NPK 9572. RPM	5000	89.3	90.3	83.8	87.9	86.6	84.5	82.8	81.1	78.4	76.5	74.9	70.4							117.3
(1002. RAD/SEC)	6300	93.0	94.5	94.7	93.7	91.9	89.9	87.7	85.5	82.6	80.9	79.4	75.4							122.3
NFD 11917. RPM	8000	98.0	100.3	100.7	98.4	96.5	96.0	93.7	92.4	86.9	86.5	85.4	81.4							121.4
(1206. RAD/SEC)	10000	93.6	97.6	97.8	96.5	94.4	94.4	92.0	90.6	87.9	85.1	83.9	79.0							120.4
NO. OF BLADES 18	12000	92.6	94.4	95.0	94.5	93.5	94.5	92.6	91.3	86.3	86.0	83.9	77.9							125.3
FAL TIP SPEED	14000	91.8	92.3	93.0	93.3	94.6	94.1	92.3	90.0	89.2	86.5	83.8	77.5							123.5
838. FT/SEC	20000	89.9	91.1	92.8	93.3	93.4	93.1	91.8	87.8	87.2	84.1	82.9	76.5							124.8
	25000	89.0	85.3	90.7	92.0	92.3	91.2	92.0	89.1	85.4	82.3	79.0	74.9							124.1
	31500	87.1	87.5	88.4	86.8	89.8	89.4	87.3	83.9	83.1	79.9	76.4	71.0							122.4
	40000	84.6	84.8	86.1	86.2	87.4	85.9	85.1	80.4	81.5	77.5	73.2	68.4							121.1
OVERALL MEASURED																				
OVERALL CALCULATED		103.5	105.7	105.9	104.5	104.8	103.2	101.5	99.9	97.2	94.8	93.1	89.4							135.4
PND8		114.4	117.3	117.0	114.4	113.9	112.4	111.5	111.2	106.5	104.8	103.5	99.1							

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 14/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 50 DAY 0 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		0. (0.0)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
50		34.4	41.6	46.6	49.5	49.8	50.3	51.3	50.2	48.3	49.7	49.0		
63		33.1	45.4	48.4	51.3	52.6	53.4	55.2	52.1	51.0	50.6	47.1		
SIDELINE 500 FT. (152.40 M)	50	42.1	49.6	53.2	55.8	56.9	58.4	59.7	57.4	56.3	56.6	52.7		
100		46.1	51.6	56.6	58.7	57.9	58.4	58.2	57.5	57.4	56.6	53.5		
NFA 2704 RPM (283 RAD/SEC)	125	43.4	50.0	54.1	56.6	57.3	57.1	57.2	54.7	53.1	52.4	49.7		
160		43.9	49.3	53.4	54.7	55.7	56.5	57.9	55.4	53.8	52.1	48.4		
NFK 2696 RPM (282 RAD/SEC)	200	42.5	51.9	55.4	58.0	59.1	59.2	59.8	55.6	54.7	53.1	49.5		
250		42.9	51.4	56.0	59.0	60.4	60.5	60.1	56.9	54.8	52.7	49.4		
NED 3244 RPM (346 RAD/SEC)	315	41.2	47.0	51.0	54.1	56.0	56.4	56.2	54.1	52.3	48.4	45.6		
400		35.8	46.6	50.9	52.5	54.6	53.7	54.6	52.4	50.9	47.4	42.6		
AIRFLOW RATIO	500	32.3	44.5	50.0	51.8	52.8	52.7	52.5	51.1	49.3	46.6	41.8		
W/F/M 12.60	630	45.5	55.8	57.4	60.0	62.5	63.4	64.6	57.6	56.1	56.1	51.3		
900		49.1	57.7	62.1	65.0	67.2	63.4	69.6	63.8	62.3	61.0	55.3		
VEHICLE UTMSIM	1500	36.3	47.6	52.7	54.1	54.0	55.3	54.4	51.8	50.5	48.7	44.0		
CONFID	1250	38.9	47.3	53.8	58.5	59.1	59.1	58.4	56.4	54.7	52.9	47.8		
LUC SCHEMECTADY	1600	43.9	54.4	60.7	63.2	63.9	65.5	62.5	60.2	58.7	57.0	52.4		
DATE 56-02-75	2000	44.2	59.1	64.3	69.1	69.5	63.0	69.0	60.1	63.9	62.6	57.9		
RUN 14/4	2500	39.0	55.0	61.9	66.4	67.4	57.3	66.7	64.7	62.2	60.8	55.2		
TAPE X00060	3150	31.7	53.2	58.5	64.6	66.3	66.9	66.4	64.6	62.5	60.2	53.4		
FAN TIP SPEED	4000	23.5	45.3	53.4	62.2	65.2	65.6	64.7	64.7	62.2	59.3	52.2		
838 FT/SEC	5000	19.3	42.8	54.2	65.5	63.7	64.9	62.2	62.5	59.6	58.1	51.0		
6300		6.7	36.9	53.1	57.1	60.0	61.5	61.1	59.4	56.5	53.7	47.9		
8000			26.5	41.9	50.9	55.3	58.2	54.9	54.9	52.1	48.3	41.8		
10000			13.6	32.5	43.4	47.8	50.7	48.3	50.6	48.9	42.3	36.3		
OVERALL CALCULATED		53.1	66.9	70.8	74.8	76.2	76.5	76.4	73.9	71.9	70.1	65.1		
PNDG		62.5	77.0	83.1	87.7	89.0	89.3	88.9	87.0	84.8	82.7	77.2		

## Run 14/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 58 DAY 0 HR: 0.8

MODEL SOUND PRESSURE LEVELS (DB, DEG. F, 70 PERCENT REL. HUM; DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLE: 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.											PNL	
		(0. 0.174)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.10)(2.27)(2.45)												
	50	67.1	68.1	67.3	66.5	68.8	70.3	69.6	68.3	66.1	68.1	67.1	64.1	101.9
	63	68.8	72.3	72.0	73.5	71.0	72.3	71.3	72.0	71.3	77.5	74.5	70.9	106.9
RADIAL 17. FT.	80	62.3	65.9	66.4	65.9	68.1	69.1	73.1	74.6	74.9	76.1	75.6	72.9	107.2
( 5. M)	100	68.1	67.6	67.1	65.1	63.2	64.6	67.1	69.6	73.4	71.1	71.6	69.6	102.9
VEHICLE UTNSIM	125	77.9	77.9	75.9	74.4	74.7	73.2	73.2	72.2	72.9	71.4	72.9	73.2	107.1
CONFIS	160	76.9	75.4	74.7	75.6	75.6	74.6	72.4	72.6	71.6	70.4	71.4	70.6	100.7
LUC SCHENECTADY	200	78.5	80.8	80.5	73.5	79.0	78.7	78.2	78.5	76.7	74.0	73.2	70.5	100.9
DATE 06-02-79	250	85.5	85.9	84.5	82.7	82.5	82.2	82.2	82.3	81.7	80.5	79.2	75.7	119.2
FCN 14/5	315	89.0	89.3	85.7	87.7	86.2	84.0	82.7	82.5	80.7	80.5	79.5	76.7	117.3
TIRE X00060	400	85.6	85.0	85.4	85.7	84.9	83.2	82.1	80.9	78.4	76.9	75.4	73.1	115.2
BAR 20.7 MS	500	83.6	83.8	84.3	82.6	81.6	80.1	79.8	78.8	77.1	75.6	73.6	69.6	112.6
(00792. V/M2)	630	86.2	86.4	86.4	85.2	84.5	84.0	81.9	81.4	79.8	76.2	74.5	71.2	109.3
TAN 62. DEG F	800	86.5	86.8	87.0	86.0	85.8	84.6	83.2	81.9	78.5	76.3	75.0	71.3	109.0
(290. DFG K)	1000	85.9	85.7	82.9	80.5	81.0	80.5	79.7	78.3	76.2	74.0	71.2	67.4	112.3
TREI 60. DFG F	1250	78.8	82.0	83.7	81.3	79.6	78.8	76.7	76.4	74.0	72.0	70.0	65.5	111.0
(289. DFG K)	1600	76.6	77.1	80.3	77.7	77.9	76.9	75.3	74.7	72.1	71.2	68.4	63.6	107.3
HACT 0. GM/M3	2000	80.4	82.4	81.4	80.9	79.3	77.5	76.9	75.6	72.5	70.0	68.2	65.2	110.1
(. KS/M3)	2500	88.1	93.4	83.1	84.6	82.3	81.7	81.6	81.3	77.7	76.5	72.6	67.9	115.2
NEA 10467. RPM	3150	96.2	99.9	93.1	97.9	94.6	92.0	91.3	87.6	86.9	84.6	82.4	73.8	129.7
(1.96. RAD/SEC)	4000	86.3	85.8	86.3	84.9	83.6	81.5	79.3	77.4	74.7	73.5	71.1	67.4	113.9
NEK 10437. RPM	5000	88.1	88.6	87.6	86.1	84.3	82.8	81.5	79.3	76.0	75.0	73.4	68.9	115.4
(1.93. RAD/SEC)	6300	93.3	95.3	94.9	93.4	92.1	91.9	89.4	87.8	85.3	82.6	82.6	77.4	123.2
NED 11517. RPM	8100	90.8	92.5	93.2	91.6	91.5	89.3	87.2	85.7	82.7	80.3	78.9	74.9	121.4
(1266. RAD/SEC)	10000	94.1	97.1	97.9	97.0	97.6	95.7	92.6	91.2	89.1	86.6	85.2	80.3	127.3
ND. OF BLADES 18	12500	93.9	94.9	95.8	95.5	95.7	95.0	93.3	91.3	89.0	86.0	84.1	78.0	124.0
FAN TIP SPEED	16000	92.8	93.1	94.3	93.8	94.8	94.4	92.8	90.0	89.0	86.2	84.5	77.8	125.8
914. FT/SEC	20000	91.4	91.9	93.5	94.0	94.4	93.3	92.6	89.0	88.2	84.8	82.9	77.3	125.6
	25000	89.3	90.3	91.7	93.3	93.6	92.2	91.3	89.6	86.2	83.0	81.0	75.4	125.1
	31500	89.1	90.1	90.9	90.6	91.3	90.4	88.0	84.4	83.8	80.9	77.7	72.8	123.6
	40000	86.6	87.5	88.1	88.2	88.6	87.4	85.9	84.4	82.3	78.2	74.2	69.4	122.5
OVERALL MEASURED														
OVERALL CALCULATED		103.6	105.5	105.4	104.9	104.5	103.3	101.6	99.3	97.6	95.2	93.5	88.8	135.5
PNDB		116.0	118.0	117.5	116.7	114.9	112.0	111.9	109.1	107.6	105.7	103.8	98.7	

Run 14/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 58 DAY 8 HR: 8.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (56. DEG. F, 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.73)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)
50	37.9	45.1	53.1	52.8	53.5	52.5	53.5	52.9	51.9	52.7	51.5						
63	42.6	50.2	52.0	55.8	57.4	58.1	59.2	57.8	55.2	54.3	51.1						
SIDELINE 500. FT.	46.1	53.6	56.5	59.0	60.6	61.9	62.7	62.6	61.5	60.1	56.2						
(192.40 M)	49.6	57.3	61.1	62.5	62.1	62.1	62.7	61.5	61.4	60.2	57.0						
NEA 2940. RPM	45.3	53.5	58.6	60.8	61.0	61.3	60.9	58.9	57.6	55.9	53.2						
(308. RAD/SEC)	42.6	51.8	55.1	57.2	57.7	58.7	58.5	57.4	56.3	53.9	49.4						
NEK 2940. RPM	44.5	53.4	57.4	59.8	61.3	60.7	61.0	58.1	56.5	54.6	50.0						
(308. RAD/SEC)	43.9	53.4	57.8	60.7	61.6	61.7	60.9	58.4	56.3	54.9	50.4						
NEJ 3244. RPM	42.7	43.7	51.8	55.6	57.3	57.9	57.9	55.9	53.8	50.9	46.6						
(340. RAD/SEC)	37.3	48.6	52.6	53.8	53.3	54.7	55.3	53.4	51.6	49.4	44.4						
AIRFLOW RATIO	33.3	45.3	50.0	51.8	53.1	53.0	53.3	51.3	50.5	47.6	42.3						
WF/WH 12.60	43.5	51.8	54.4	55.7	57.5	58.9	58.0	56.6	55.6	51.6	46.3						
800	51.6	61.0	67.1	67.5	67.4	68.4	65.6	65.6	63.6	61.0	56.0						
VEHICLE UTWSIM	37.0	43.3	53.5	56.1	56.5	56.9	55.1	53.0	52.0	49.5	45.2						
1250	37.1	48.6	54.0	56.3	57.3	57.8	56.7	54.5	53.2	51.4	46.3						
LCC SCHENECTADY	41.6	54.7	60.5	63.4	65.9	65.3	64.0	62.9	60.4	60.2	54.4						
DATE 16-02-75	36.5	51.6	57.0	62.1	62.8	62.5	62.2	59.9	57.7	56.1	51.4						
RUN 14/9	38.5	55.3	62.4	67.7	69.7	67.7	68.0	66.0	63.7	62.5	56.5						
TAPE X00060	32.2	51.0	59.5	64.8	67.3	67.6	66.9	65.3	62.5	60.4	54.2						
FAN TIP SPEED	24.2	46.3	55.9	62.5	65.5	66.1	64.7	64.5	62.0	60.0	52.9						
5000	19.7	44.3	55.2	61.5	64.0	65.6	63.0	63.5	60.4	58.1	51.5						
914. FT/SEC	6300	7.7	37.5	51.3	58.3	61.0	62.5	61.6	60.1	57.2	55.0	45.4					
8000			23.0	43.7	52.4	56.3	57.0	55.3	55.7	53.1	49.8	42.6					
10000			15.6	34.5	44.7	49.5	51.5	49.3	51.4	47.7	43.3	37.3					
OVERALL CALCULATED																	
PMS	56.9	66.4	72.0	75.0	76.3	76.8	75.8	74.6	72.5	70.8	65.8						
	62.4	76.2	83.4	88.0	89.5	89.7	88.9	87.6	85.1	83.2	77.5						

## Run 14/Reading 6

Page 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 66 DAY 0 HRT. 0.8

MODEL SOUND PRESSURE LEVELS (99, DEG. F, 70 PERCENT REL. HUMID. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLE											PND	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		110.
	50	75.3	67.1	65.6	65.8	67.6	68.8	68.3	67.3	65.1	67.6	66.6	63.6	100.6
	63	76.8	71.5	71.5	70.8	71.3	72.8	72.5	72.3	71.3	72.5	74.5	72.5	106.8
RADIAL 17. FT.	80	74.4	65.9	66.4	65.1	67.6	68.9	73.1	74.9	74.6	76.6	75.6	72.9	107.3
( 5. M)	100	73.6	67.1	66.1	64.4	62.4	63.4	66.4	68.4	69.6	69.4	69.6	67.9	101.4
VEHICLE UTMSIN	125	76.2	75.9	75.2	72.9	72.2	71.4	71.7	70.7	73.7	70.2	71.2	72.4	109.5
CONFID	160	75.4	73.6	73.1	73.4	74.4	72.6	72.9	71.4	69.6	69.4	70.6	69.4	105.2
LCC SCHEJECTADY	200	77.0	73.3	73.2	75.2	76.7	77.0	76.2	77.3	75.3	72.5	71.5	68.7	107.0
DATE 06-02-75	250	83.3	82.8	82.2	81.2	80.5	80.2	80.8	80.5	79.7	78.5	77.5	74.0	115.3
RUN 14/6	315	87.3	87.5	87.0	85.7	84.2	82.3	81.2	80.8	79.2	78.0	77.5	74.5	115.4
TYPE X00060	400	84.6	84.1	84.4	84.4	83.9	82.2	81.1	79.6	78.9	78.6	74.4	71.9	114.1
BAP 29.7 MC	500	82.1	82.8	82.5	81.3	80.1	78.6	76.5	77.3	75.3	74.1	72.3	68.2	111.5
(00292. R/M2)	630	83.7	84.2	83.9	83.5	82.7	81.5	80.2	78.7	75.5	74.5	73.2	69.9	113.2
TAMM 82. DEG F	800	85.0	84.8	84.5	83.5	83.0	82.1	80.7	79.8	78.6	75.6	74.2	70.8	113.7
(200. DEG K)	1000	83.7	82.7	82.4	79.7	80.0	79.5	78.9	78.6	75.2	73.3	71.2	67.9	111.2
TNET 63. DEG F	1250	77.3	81.3	81.2	81.1	79.8	78.1	76.7	76.9	75.3	72.8	65.0	64.8	117.9
(209. DEG K)	1600	80.4	80.1	81.5	80.7	79.2	78.7	78.1	75.7	73.6	71.2	65.4	64.6	115.1
MACT 1. GM/43	2000	81.9	81.7	81.2	80.9	80.3	78.3	76.1	75.8	71.5	70.3	68.0	63.5	110.6
( 1. KG/M3)	2500	85.0	84.6	84.9	83.8	82.0	81.0	79.1	77.8	73.6	73.0	71.6	67.2	113.4
NFA 1.583. RPM	3150	97.9	96.9	97.4	97.9	92.6	90.8	88.8	86.6	83.7	83.8	82.2	77.0	123.0
(1108. RAD/SEC)	4000	87.8	87.5	86.3	84.4	83.1	82.6	79.5	78.1	75.2	73.7	72.1	67.7	114.1
NFK 1.553. RPM	5000	89.1	87.8	87.8	85.4	83.8	83.0	80.5	79.3	76.7	74.7	72.4	69.4	115.1
(1165. RAD/SEC)	6300	95.8	94.9	94.4	92.7	92.9	90.4	87.7	86.3	83.6	81.6	80.1	76.9	122.3
NFD 11017. RPM	8000	90.0	91.5	92.9	91.6	91.8	89.8	87.7	86.2	83.2	81.3	79.5	75.4	121.7
(1236. RAD/SEC)	10000	96.1	97.1	98.3	97.5	97.6	96.2	93.8	92.6	90.1	87.9	85.9	80.5	127.8
NO. OF BLADES 18	12500	95.6	94.7	95.3	95.2	95.7	94.5	93.1	91.8	89.3	88.2	84.6	78.6	126.2
FAV TIP SPEED	15000	93.6	93.1	93.3	93.3	94.6	94.4	93.1	91.3	89.5	87.4	85.2	78.2	125.9
924. FT/SEC	20000	92.1	92.4	91.9	94.5	94.7	93.1	92.3	88.5	86.5	84.5	82.4	78.5	125.7
	25000	90.5	90.8	91.2	93.0	93.3	91.7	90.3	88.3	86.2	83.3	82.0	76.4	124.8
	31500	89.8	90.3	89.9	90.3	91.3	90.6	88.3	84.7	84.1	81.1	79.4	73.0	123.3
	40000	86.8	87.3	88.4	88.2	88.6	87.4	86.1	82.2	82.5	78.5	75.5	71.2	122.0
OVERALL MEASURED		114.7	104.4	105.4	104.8	104.3	103.0	101.3	99.2	97.5	95.3	93.2	88.9	135.3
OVERALL CALCULATED		117.1	116.4	117.9	116.4	113.3	111.7	109.9	108.4	105.6	104.9	103.3	98.9	

Run 14/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 66 DAY 0 HR: 0.8

SPL INPUT AT STG	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, 64, F, 70 PERCENT REL. HUM. DAY)															
	FRLO. (3.0)	10.0	25.0	33.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	36.2	43.3	47.2	51.5	51.5	51.0	52.3	50.9	50.8	51.6	51.3	51.3	51.3	51.3	51.3	51.3
63	43.1	47.9	50.4	53.6	55.6	56.1	57.7	56.1	56.1	56.7	52.6	49.4	49.4	49.4	49.4	49.4
SIDELINE 500. FT. (152.43 M)	43.8	51.3	55.3	57.6	58.6	59.6	60.2	60.6	60.2	58.9	58.2	54.7	54.7	54.7	54.7	54.7
NEA 2951. RPM	43.8	52.5	57.4	59.8	60.0	60.3	60.7	60.4	60.3	57.4	56.8	54.6	54.6	54.6	54.6	54.6
(312. RAD/SEC)	41.6	50.3	53.9	55.7	56.4	57.5	57.6	55.6	54.5	52.6	49.5	49.5	49.5	49.5	49.5	49.5
NPK 2972. RPM	42.2	50.9	55.6	58.0	58.4	58.9	58.3	55.6	54.7	53.3	51.5	49.5	49.5	49.5	49.5	49.5
(311. RAD/SEC)	41.9	51.9	55.3	58.0	59.1	59.2	59.1	56.6	55.1	54.2	51.1	51.1	51.1	51.1	51.1	51.1
NFD 3214. RPM	37.3	46.2	51.3	54.6	56.3	57.1	57.7	54.9	52.8	51.9	47.1	47.1	47.1	47.1	47.1	47.1
(346. RAD/SEC)	35.5	47.3	51.9	54.0	54.5	54.9	55.5	54.4	52.4	49.4	47.5	47.5	47.5	47.5	47.5	47.5
AIRFLOW RATIO	36.3	46.0	51.0	53.0	54.0	53.7	54.3	52.8	51.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8
W/FAN 12.60	35.8	46.0	51.0	53.7	54.1	53.5	57.1	50.4	46.4	46.9	41.8	41.8	41.8	41.8	41.8	41.8
820	33.3	49.7	53.3	55.0	56.4	56.1	55.0	52.5	51.3	49.3	45.2	45.2	45.2	45.2	45.2	45.2
VEHICLE GTXSM	47.2	61.3	66.4	65.0	65.3	65.5	64.3	62.0	62.2	61.5	54.7	54.7	54.7	54.7	54.7	54.7
CLVFIG	39.8	47.3	52.3	55.3	56.6	55.8	55.5	53.1	51.9	51.1	45.1	45.1	45.1	45.1	45.1	45.1
LCC SCHEMEDIADY	34.1	47.5	52.4	55.1	57.0	56.3	56.2	54.4	52.5	50.9	46.3	46.3	46.3	46.3	46.3	46.3
DATE 08-02-79	37.9	52.8	52.7	43.4	63.8	62.9	63.2	60.7	58.9	57.2	51.4	51.4	51.4	51.4	51.4	51.4
RUN 14/0	32.3	50.0	55.9	61.7	62.9	62.5	62.2	59.9	58.2	56.7	51.4	51.4	51.4	51.4	51.4	51.4
TAPE X00060	34.2	53.3	61.3	66.5	68.2	67.9	67.9	65.2	64.2	62.3	55.9	55.9	55.9	55.9	55.9	55.9
FAN TIP SPEED	25.7	47.2	57.0	63.1	65.3	66.1	65.2	64.4	61.6	60.0	53.2	53.2	53.2	53.2	53.2	53.2
924. FT/SEC	20.4	43.6	54.6	61.2	64.6	65.6	64.3	62.1	59.8	52.6	52.6	52.6	52.6	52.6	52.6	52.6
6300	9.2	33.2	51.9	58.8	61.2	63.1	63.4	61.0	59.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2
8000		20.4	45.2	53.5	56.7	58.3	57.2	57.1	54.5	53.0	46.3	46.3	46.3	46.3	46.3	46.3
10000		14.0	35.2	46.0	51.2	52.5	51.2	51.6	46.2	47.3	39.5	39.5	39.5	39.5	39.5	39.5
OVERALL CALCULATED		54.2	65.3	73.7	73.5	74.9	75.1	74.7	73.3	71.6	69.9	64.2	64.2	64.2	64.2	64.2
PNDB		59.2	75.1	82.6	87.3	89.0	89.0	88.8	87.2	85.3	83.3	77.4	77.4	77.4	77.4	77.4





Run 14/Reading 7

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE - MONTH 73 DAY 8 HR: 8.9

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50° DEG. F, 79 PERCENT REL. HUM. DAY)																
		ANGLE FROM INLET IN DEGREES (AND RADIANS)																
SPL INPUT AT STD		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
FREQ. (0. 1)(0.17)(0.35)(0.52)(0.78)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)																		
	50	33.2	40.3	45.4	48.9	49.0	48.5	50.0	49.9	49.3	50.9	49.0						
	63	35.1	45.4	48.6	51.3	53.4	53.4	55.4	54.1	52.0	50.8	48.4						
SIDELINE 500 FT.	80	41.3	45.8	52.5	55.0	56.6	57.6	58.9	58.4	57.5	55.8	52.7						
(192.40 M)	100	45.6	53.6	57.1	58.7	58.4	59.1	58.7	57.2	56.4	55.7	52.7						
NEA 3012 RPM	125	42.1	52.0	55.4	58.6	59.0	59.6	59.4	56.7	55.1	54.4	50.9						
( 315. RAD/SEC)	150	37.4	47.8	52.4	53.7	55.2	55.7	56.4	54.9	52.5	52.1	47.9						
NEK 3064 RPM	200	39.2	48.4	52.6	55.3	56.8	56.9	56.3	53.6	52.5	51.1	47.3						
( 314. RAD/SEC)	250	33.7	45.9	51.8	55.7	57.4	57.5	57.6	55.6	53.8	52.2	48.4						
NED 3244 RPM	315	30.2	44.0	47.8	52.8	55.3	55.9	57.2	54.0	52.6	50.9	46.1						
( 340. RAD/SEC)	400	34.0	46.1	51.5	53.0	53.5	53.9	55.3	52.4	50.6	47.9	42.6						
AIRFLOW RATIO	500	36.8	48.0	51.8	54.3	53.6	54.2	54.3	51.6	50.3	46.8	43.6						
WF/W 12.60	630	35.5	46.4	49.4	52.7	53.3	52.7	55.1	50.9	51.1	48.6	42.0						
	800	35.1	50.2	53.2	55.7	55.9	57.1	56.0	53.0	52.5	49.6	45.3						
VEHICLE UTMSH	1000	47.4	59.3	63.7	68.3	68.8	66.7	67.3	65.7	65.2	62.2	57.4						
CG.FIG	1250	35.0	47.0	53.3	56.3	57.6	56.8	56.2	54.4	52.9	51.1	45.6						
LUC SCHENECTADY	1600	33.6	46.5	52.4	55.6	56.7	57.0	55.9	54.7	53.5	51.4	45.8						
DATE 06-02-75	2000	37.6	52.8	55.5	63.7	64.3	63.9	63.7	62.2	60.7	58.2	53.4						
RUN 14/7	2500	36.0	52.2	61.9	64.7	64.9	64.9	65.0	63.1	61.2	59.7	54.1						
TAPE X00060	3150	34.7	53.3	61.8	66.0	66.5	66.9	66.4	65.9	64.7	62.8	56.4						
FAN TIP SPEED	4000	29.4	46.7	57.0	62.3	65.3	65.6	65.2	63.9	62.4	59.8	53.2						
934. FT/SEC	5000	29.2	43.6	54.4	61.2	64.1	64.4	63.5	63.5	62.1	59.6	53.6						
	6000	8.9	37.9	51.1	58.5	61.7	62.9	60.4	61.3	58.9	58.2	51.7						
	8000		28.6	45.2	52.7	56.4	58.1	57.5	56.6	53.8	53.0	46.5						
	10000		15.5	35.2	45.5	50.4	51.5	50.7	51.3	46.2	47.2	40.2						
OVERALL CALCULATED		53.0	64.1	69.8	74.0	75.4	75.3	75.2	73.5	72.2	70.7	64.9						
PND8		59.0	74.6	82.7	87.1	89.2	89.4	89.1	87.2	85.8	83.8	77.8						

Run 14/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99, DEG. F, 70 PERCENT REL. HUMID. DAY)  
 PROC. DATE - MONTH & DAY @ HR: 8.4  
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

SPL INPUT AT STD	FREQ. (C.)	ANGLE IN DEGREES (AND RADIAN)										PaL	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.		100.
50	67.6	63.8	67.6	67.6	69.6	71.3	73.8	43.8	66.6	68.1	67.6	65.3	122.3
83	70.0	72.5	72.3	71.5	71.8	72.8	71.3	72.3	71.8	77.0	74.3	71.3	126.9
RADIAL 17. FT.	83	64.4	66.6	66.9	66.1	68.4	69.6	73.1	74.9	75.4	76.6	76.1	127.7
( 5. M)	100	70.4	73.1	69.6	66.9	64.9	66.1	66.6	71.8	72.1	72.9	73.4	129.7
VEHICLE UTMSIM	125	80.7	80.4	78.9	76.7	76.9	75.7	74.4	74.2	74.7	74.7	75.2	129.4
CONFIG	160	78.9	77.4	76.9	77.6	78.1	76.9	74.4	74.4	73.6	72.1	72.6	128.7
LOC SCHEVECTADY	200	80.8	83.3	82.5	81.2	81.2	81.2	80.7	81.0	78.7	77.0	75.7	113.3
DATE 10-02-75	250	88.0	87.5	87.3	85.2	84.7	84.0	84.2	84.3	83.5	82.7	81.5	78.0
RUN 14/8	315	92.0	92.3	91.7	89.3	88.5	86.8	85.7	85.0	83.5	83.8	81.5	79.5
TAP: Y00050	400	88.1	88.4	88.4	88.2	87.4	86.7	85.1	83.4	81.1	79.6	78.1	75.9
BAR 79.7 HG	500	86.8	87.1	87.3	85.6	84.6	82.6	82.3	81.5	80.1	78.3	77.3	75.8
(0.492 K/M2)	650	89.2	89.4	89.4	87.7	87.7	86.0	84.7	83.4	80.5	79.3	77.7	73.9
TANK 61 DEG F	800	88.5	88.5	88.5	87.3	87.5	86.6	85.3	83.5	81.0	79.6	77.3	73.5
(200 DEG K)	1000	87.4	86.7	84.4	82.7	83.2	82.8	81.9	81.6	79.4	76.5	73.2	69.2
TNET 59 DEG F	1250	88.8	83.3	83.0	83.3	81.1	80.1	79.0	78.5	78.5	74.5	71.5	67.3
(485 DEG K)	1500	80.1	80.1	81.1	80.9	79.4	78.4	77.3	76.7	73.4	72.2	68.9	65.9
HACT L. 64/M3	2000	81.4	82.2	81.2	82.1	80.3	78.6	78.1	76.8	73.5	71.0	68.7	62.5
( 1.993 K/M3)	2500	85.1	86.1	85.9	83.3	82.8	80.0	80.1	77.8	74.9	73.0	71.1	67.7
NK 1.977 RPM	3150	87.4	102.2	101.1	96.2	95.3	94.0	94.6	89.0	84.9	87.5	86.4	79.7
(1149. RAD/SEC)	4000	87.8	73.5	89.6	86.4	86.6	85.0	82.8	79.4	77.4	76.0	74.1	69.4
NK 1.977 RPM	5000	89.8	83.3	87.3	87.9	86.1	84.5	82.3	80.3	77.6	76.0	74.4	70.4
(1149. RAD/SEC)	6300	96.5	97.0	99.2	95.4	95.6	93.9	91.2	90.3	86.6	84.4	85.1	79.7
NK 1.977 RPM	8100	71.3	93.3	93.7	92.4	91.5	89.0	87.4	86.2	82.9	85.3	75.4	75.4
(1205. RAD/SEC)	10000	95.9	98.9	93.8	98.8	98.4	97.4	94.5	93.0	90.1	87.9	86.7	81.8
NO. OF BLADES 18	12000	94.4	96.6	96.8	95.5	96.2	96.3	94.3	92.0	81.0	87.5	85.1	79.4
FAN TIP SPEED	16000	73.3	94.1	94.8	94.8	95.8	95.9	94.1	91.0	90.9	87.5	85.0	78.8
900. FT/SEC	20000	92.6	92.6	94.3	94.7	95.4	94.6	93.1	87.3	84.8	85.3	83.9	77.8
	25000	91.3	91.5	93.7	95.3	95.1	93.7	92.3	87.6	88.2	84.5	82.0	76.6
	31500	90.3	90.8	91.6	91.8	93.1	92.4	90.0	86.2	85.1	82.6	79.2	73.0
	40000	88.1	88.6	89.9	89.5	90.6	89.4	88.1	82.9	85.8	81.3	76.0	70.7
OVERALL MEASURED													
OVERALL CALCULATED		105.2	107.2	107.5	105.9	106.4	105.4	103.3	100.9	99.2	96.8	95.2	90.5
PRDS		117.5	120.9	120.0	116.9	118.0	116.7	114.0	111.0	109.3	107.9	106.6	101.6

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 14/Reading 8

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 01 DAY 0 HR: 0.8

SPL INPUT AT STD	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM; DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
		(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50		37.9	47.1	52.1	55.3	55.8	54.5	50.5	44.9	33.6	23.9	16.3	10.5
63		44.3	52.2	55.4	58.1	59.9	60.6	61.7	62.6	63.2	63.6	63.8	63.8
SIDELINE 500 FT.	80	48.6	56.1	59.0	61.3	62.4	63.9	64.7	64.4	63.8	62.4	60.4	58.4
(152.40 M)	100	52.6	60.3	63.3	64.7	64.9	65.1	65.2	64.2	63.9	62.2	59.7	57.7
NEA 3098 RPM	125	49.8	56.9	59.1	63.3	64.5	64.3	63.4	61.7	60.3	58.7	55.9	53.6
(324. RAD/SEC)	150	45.9	54.8	58.2	60.4	60.4	61.2	61.1	60.4	58.8	57.6	53.6	50.4
NFK 3092 RPM	200	47.5	56.4	59.8	60.0	63.3	63.4	63.0	60.6	58.2	57.8	53.5	50.9
(324. RAD/SEC)	250	45.7	54.9	59.5	62.5	63.6	63.9	62.9	60.9	58.1	57.2	52.9	48.3
NFD 3244 RPM	315	43.2	50.2	54.3	57.8	59.5	60.1	61.7	59.1	56.3	52.9	48.3	43.5
(341. RAD/SEC)	400	33.5	50.1	54.1	55.3	56.9	56.9	57.3	55.9	54.1	50.9	46.1	41.5
AIRFLOW RATIO	500	34.3	45.9	51.8	53.3	54.6	55.0	57.3	52.6	51.5	48.1	43.5	38.9
WF/MM 12.00	630	35.3	44.9	51.9	53.7	54.6	55.5	55.1	52.4	50.1	47.8	46.8	45.7
	800	37.8	45.7	52.5	55.7	57.4	57.1	55.8	53.5	51.8	49.8	45.7	41.5
VEHICLE UTWSIX	1000	52.4	63.1	64.7	71.8	73.0	71.2	67.3	67.2	66.2	64.7	57.4	46.3
CONF1	1250	39.0	50.5	54.3	58.5	60.3	59.1	56.7	55.4	54.2	52.1	46.3	41.5
LUC SCHENECTADY	1500	36.1	49.0	54.0	57.3	58.5	58.3	57.7	55.2	53.7	51.9	47.3	43.5
DATE 06-02-75	2000	40.9	57.5	61.9	66.2	67.3	66.4	66.7	63.7	61.7	62.2	56.1	51.4
RUN 14/8	2500	34.3	50.7	57.6	61.4	62.9	62.3	62.2	59.6	57.0	56.2	51.4	46.3
TYPE X33059	3150	36.0	51.8	62.6	67.3	69.5	68.6	68.9	66.2	64.2	62.8	57.2	52.9
FAN TIP SPEED	4000	27.4	48.7	58.3	63.6	67.0	67.8	67.2	66.2	62.9	60.3	53.7	48.3
900. FT/SEC	5000	21.4	45.1	55.6	62.5	66.1	66.6	65.3	65.3	62.6	59.8	52.8	48.3
	6300	9.4	39.4	52.1	59.5	62.7	63.9	61.7	62.3	58.9	57.2	50.2	45.7
	8000		30.9	47.2	55.2	58.7	60.3	59.5	59.1	55.8	53.0	46.5	41.5
	10000		17.8	36.7	47.8	52.9	54.2	52.7	52.8	50.7	46.9	39.5	34.5
OVERALL CALCULATED		55.7	63.4	72.3	76.7	78.3	77.8	77.3	75.7	73.9	72.3	67.5	62.5
PND8		63.3	77.2	84.2	88.8	91.0	90.6	90.3	88.4	86.2	84.5	79.0	74.0

## Run 14/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH DD DAY @ HR: 0.8

MODEL SOUND PRESSURE LEVELS (99; DEG. F, 70 PERCENT REL. HUM; DAY)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																PWL
		0.	16.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	
	(0.)	(0.17)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	65.3	66.6	65.6	64.8	66.6	68.1	67.3	66.3	65.1	66.8	66.1	63.8					103.0
	63	69.0	73.3	73.8	72.3	73.5	74.8	73.5	73.8	73.3	70.8	74.5	72.3					107.4
RADIAL 17. FT. ( 5. M)	80	64.6	66.4	65.4	65.6	67.6	69.1	73.1	74.6	74.6	76.4	75.4	72.6					107.1
VEHICLE UTMSIN	100	66.4	66.4	65.9	63.9	61.7	62.7	65.4	66.9	63.1	66.6	69.4	67.1					103.0
CONFIS	125	75.2	75.2	74.7	72.2	71.4	70.4	70.7	69.4	71.4	70.9	72.2	73.2					103.4
L/C SCHEMECTADY	160	74.4	73.1	72.4	72.9	73.4	71.9	70.1	70.9	69.9	65.4	70.8	69.6					104.6
DATE 06-02-75	200	76.0	73.3	77.5	76.3	76.2	75.2	75.5	70.5	74.5	72.2	71.5	68.7					100.5
RUN 14/9	250	83.0	82.0	82.0	83.5	80.0	79.5	79.7	80.0	79.0	77.7	76.5	73.7					112.7
TARE X00060	315	85.8	86.0	85.8	84.0	82.2	80.8	79.7	78.5	77.2	77.0	76.0	73.7					113.7
BAR 29.7 HG	400	83.4	83.6	83.9	82.9	82.4	81.9	81.6	79.9	76.1	75.6	73.1	72.1					113.5
(0292. N/M2)	500	81.1	81.0	81.5	80.6	78.8	77.6	77.3	75.8	75.1	74.3	74.1	71.8					110.6
TAMS 62. DEG F	630	83.2	83.2	83.4	82.3	81.2	80.3	78.9	77.7	75.0	73.5	72.5	70.2					112.1
(290. DEG K)	800	83.0	82.5	81.7	80.8	81.3	80.8	80.3	79.8	77.3	76.5	75.0	70.8					112.6
T-PT 59. DEG F	1000	83.2	81.9	78.7	76.7	79.5	79.2	78.8	76.7	73.5	71.0	66.9						110.9
(285. DEG K)	1250	76.0	79.3	81.2	79.8	78.6	79.1	77.0	75.9	74.8	73.8	71.3	65.3					110.2
MACT 6. G/M3	1600	81.4	81.9	81.8	80.7	78.2	77.2	75.6	73.9	71.9	70.4	67.9	64.1					107.4
( KG/M3)	2000	82.4	81.9	81.4	79.9	78.6	77.0	75.9	73.8	71.5	69.3	67.5	63.3					107.3
MFA 10993. RPM	2500	83.6	85.1	85.1	82.1	81.8	81.2	79.3	77.3	73.9	72.5	69.6	65.9					112.6
(1151. RAD/SEC)	3150	98.7	96.9	96.4	93.1	96.1	93.8	91.6	89.6	89.4	87.8	84.7	85.7					120.4
NEX 10966. RPM	4000	88.0	87.3	86.8	84.9	85.1	83.0	81.3	79.6	77.7	76.2	73.9	69.7					115.2
(1148. RAD/SEC)	5000	86.8	86.8	86.8	85.4	84.6	83.0	81.0	79.3	77.4	75.7	73.6	68.7					115.0
NED 11517. RPM	5300	94.0	93.3	93.9	93.4	93.6	91.2	89.7	88.5	87.1	84.4	83.4	77.4					123.7
(1206. RAD/SEC)	6000	90.5	91.0	91.9	91.6	91.0	89.3	87.4	85.7	83.2	81.0	79.9	74.9					121.1
NO. OF BLADES 18	10000	96.9	97.9	97.3	97.3	97.4	95.9	94.3	92.4	91.1	87.9	86.7	80.3					127.7
FAL TIP SPEED	12500	93.9	94.6	94.3	95.2	95.5	94.3	92.8	91.1	89.5	87.2	85.6	78.9					126.1
( FT/SEC)	16500	92.6	92.3	93.5	93.8	94.3	93.5	91.8	89.3	86.3	86.2	84.3	78.8					125.4
	20500	92.4	92.4	93.3	94.0	93.9	93.3	91.6	89.3	86.5	85.6	84.6	78.5					125.5
	25000	90.6	90.5	91.7	93.3	92.8	91.9	90.0	87.8	86.2	83.3	82.3	76.4					124.7
	31500	90.1	90.3	89.9	90.3	91.1	90.6	87.8	84.7	83.8	81.1	79.7	73.8					123.6
	40000	87.8	87.8	87.9	88.3	88.4	87.4	85.6	81.2	82.5	78.2	76.5	72.2					122.4
OVERALL MEASURED																		
OVERALL CALCULATED		104.5	104.3	104.5	104.3	104.4	103.1	101.5	99.4	98.1	95.9	94.5	89.3					135.3
PNDP		117.1	116.2	116.0	113.6	115.0	113.2	111.4	109.7	108.8	107.2	104.8	100.8					

Run 14/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 90 DAY 0 HR: 0.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
	(0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0. )	(0. )	(0. )	(0. )	(0. )
50	35.7	42.6	47.4	50.5	50.8	50.2	51.6	51.2	51.8	52.2	52.2	53.5	53.5					
63	39.8	47.2	50.1	53.1	54.9	55.4	57.2	55.6	53.5	52.6	49.4							
SIDELINE 500. FT. (192.40 M)	80	43.1	51.1	54.2	56.5	57.9	59.4	61.4	59.9	58.6	57.4	54.2						
NFA 3098. RPM ( 324. RAD/SEC)	100	46.4	53.6	57.3	58.5	58.9	59.1	58.7	58.0	57.9	56.7	54.0						
NFA 3098. RPM ( 324. RAD/SEC)	125	43.3	52.3	55.9	58.3	59.8	60.8	59.9	56.7	56.3	53.7	52.2						
NFA 3098. RPM ( 324. RAD/SEC)	160	40.4	49.0	53.1	54.4	55.4	56.0	55.6	55.4	54.8	54.4	51.6						
NFA 3098. RPM ( 323. RAD/SEC)	200	41.2	50.4	54.1	56.5	57.6	57.7	57.3	55.1	53.7	53.6	49.6						
NFA 3244. RPM ( 340. RAD/SEC)	253	39.7	48.1	52.5	56.2	57.9	58.5	59.1	57.1	56.6	54.5	50.1						
NFA 3244. RPM ( 340. RAD/SEC)	315	38.2	46.5	48.3	54.1	56.3	57.4	57.9	56.4	53.3	50.6	46.1						
NFA 3244. RPM ( 340. RAD/SEC)	400	34.5	46.3	50.6	52.8	55.5	54.9	54.8	54.2	53.4	50.7	44.1						
AIRFLOW RATIO WE/PM 12.00	500	36.1	46.3	50.3	52.0	53.3	53.2	52.5	51.1	49.8	47.1	42.8						
	630	35.3	45.1	49.6	52.0	52.8	53.2	52.1	50.4	48.4	46.4	41.3						
	800	36.9	47.9	51.2	54.7	56.6	56.3	55.3	52.5	51.3	48.3	44.0						
VEHICLE UTMSIN 1000	47.2	53.3	61.7	68.5	68.8	68.2	67.3	67.7	66.2	63.0	58.4							
CONFIG 1253	35.8	47.8	52.8	57.0	57.6	57.0	57.0	55.6	54.4	51.9	47.1							
LUC SCHENECTADY 1600	33.1	46.5	52.4	55.8	57.0	56.8	55.2	54.9	53.5	51.1	45.6							
DATE 06-02-75 2003	37.1	54.3	59.5	64.2	64.5	64.9	64.9	64.2	61.7	60.3	53.9							
RUN 14/9 2500	32.3	49.0	56.9	60.9	62.2	62.3	61.7	59.9	58.0	56.7	50.9							
TYPE X00060 3150	35.0	52.3	61.1	66.3	66.0	65.9	67.7	66.2	64.2	62.6	56.2							
FAN TIP SPEED 4000	25.4	45.2	57.0	62.8	65.0	65.3	65.4	64.7	62.6	60.8	53.2							
900. FT/SEC 5000	20.2	43.9	54.6	61.0	63.9	64.4	63.3	63.8	61.3	60.0	52.6							
6300	9.2	38.4	51.4	58.0	61.5	62.4	60.9	61.6	59.2	57.9	50.9							
8000		23.9	45.5	53.0	56.9	58.1	57.7	57.1	54.5	53.2	46.3							
10000		19.0	35.2	45.8	51.2	52.0	51.2	51.5	49.2	47.4	40.2							
OVERALL CALCULATED		53.5	63.8	69.0	73.9	75.2	75.6	75.3	74.3	72.5	70.7	65.4						
PND3		58.8	74.3	82.1	87.1	88.9	89.5	88.8	87.5	85.6	84.0	77.7						

## Run 14/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 99 DAY 0 HR. 0.0

SPL INPUT AT STD	FREQ. (C.)	MODEL SOUND PRESSURE LEVELS (99; DEG. F., 70 PERCENT REL. HUM.; DAY)											PWL	
		ANGLES FROM INLET IN DEGREES (AND RADIAN(S))												
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
	50	64.8	65.8	64.8	64.6	66.1	67.1	66.3	65.1	64.1	66.1	65.6	63.8	99.1
	63	69.0	73.0	73.0	73.0	74.0	75.0	73.0	73.5	73.3	76.6	74.5	73.0	107.0
RADIAL 17. FT.	80	64.6	66.6	66.1	65.6	67.9	68.6	72.6	73.9	71.1	75.1	75.1	72.4	106.0
( 5. M)	100	64.4	63.7	63.4	61.4	59.2	60.9	53.7	64.9	65.6	66.1	66.9	65.4	98.4
VEHICLE UTMSIN	125	71.9	71.9	72.7	70.4	68.2	66.9	69.9	57.4	70.2	69.7	71.2	72.9	104.0
CONFIG	160	71.6	73.1	69.9	69.4	70.1	65.9	67.6	69.4	67.9	67.6	69.1	67.9	102.4
LCC SCHEMECTADY	200	73.5	75.3	74.5	73.2	73.5	73.7	72.5	73.8	71.5	69.5	69.0	66.2	105.7
DATE 06-02-75	250	79.3	73.5	78.2	76.5	76.5	75.7	76.2	77.0	75.7	74.5	73.5	70.2	109.3
RUN 14/10	315	81.8	82.0	81.5	80.5	78.7	77.3	76.7	76.0	73.5	73.0	72.0	70.0	110.2
TARE	400	82.9	82.5	83.9	83.7	81.6	81.7	81.4	79.0	75.6	75.1	71.6	71.1	113.3
BAR 20.7 H3	500	77.8	73.1	73.3	77.1	75.6	75.6	75.5	75.6	74.8	74.3	73.8	73.3	103.8
(00292. N/M2)	630	79.7	79.7	77.2	77.5	75.5	77.3	76.2	75.4	72.5	72.2	71.7	68.2	103.1
TAMP 62. DEG F	800	80.8	79.3	78.7	79.0	80.8	80.1	78.7	78.3	74.3	75.0	73.8	69.3	111.1
(290. DEG K)	1000	81.4	79.2	77.2	76.2	79.0	78.3	77.4	76.6	74.2	72.2	69.7	65.4	109.4
TMET 59. DEG F	1250	77.8	79.0	80.5	78.6	78.1	77.8	75.7	77.9	74.0	71.3	68.5	63.3	109.6
(288. DEG K)	1600	81.6	82.1	82.6	80.0	77.7	76.4	75.1	73.2	71.6	68.4	66.4	64.1	102.2
HAFT 3. GW/M3	2000	81.7	81.2	80.7	79.6	78.3	76.8	74.6	73.1	71.5	68.5	66.5	62.7	109.3
( 1. KG/M3)	2500	82.9	83.4	82.6	81.3	80.8	80.5	78.8	77.3	74.2	72.7	70.4	65.9	111.7
NEA 1.995. RPM	3150	96.4	97.7	97.9	97.1	95.1	94.5	92.3	94.3	91.2	90.0	87.2	82.5	127.1
(1150. RAD/SEC)	4000	85.8	88.0	86.6	86.9	86.3	84.0	82.3	81.9	79.2	78.2	75.4	70.9	116.3
NEK 1.050. RPM	5000	84.6	85.6	85.8	85.4	84.8	83.0	81.5	81.1	78.1	76.2	74.1	69.4	115.6
(1147. RAD/SEC)	6300	91.8	93.3	93.4	92.9	92.1	90.9	88.7	87.3	84.1	82.9	81.4	75.7	122.4
NEO 1.007. RPM	8000	92.3	93.8	94.4	94.1	93.5	92.5	90.2	89.2	86.2	84.0	83.4	77.4	124.1
(1005. RAD/SEC)	10000	97.9	96.4	95.8	96.8	96.4	95.9	93.5	92.6	89.4	88.1	86.7	81.0	127.1
NO. OF BLADES 18	12500	94.1	95.4	94.8	94.3	95.5	94.5	92.6	91.1	89.0	87.0	85.9	79.6	126.0
FAN TIP SPEED	10000	92.1	92.3	92.8	93.1	94.1	93.6	91.3	89.8	88.5	85.7	85.0	78.5	124.9
559. FT/SEC	20000	92.1	92.6	92.3	93.2	93.2	92.6	90.6	87.5	87.5	84.6	84.6	78.9	124.7
	25000	90.5	90.3	93.9	92.3	92.1	91.2	89.3	87.1	85.7	82.0	81.8	77.4	124.0
	31500	89.8	90.1	87.4	89.3	89.8	89.1	86.5	83.2	83.1	80.6	78.9	74.0	122.5
	40000	87.1	87.6	87.4	87.2	87.6	86.4	84.6	79.7	81.0	77.2	76.2	71.9	121.6
OVERALL MEASURED														
OVERALL CALCULATED		103.9	105.0	104.4	104.2	103.9	103.1	101.0	100.0	97.9	96.1	94.7	89.5	135.1
PNDN		115.3	117.5	116.3	115.6	114.2	113.5	111.6	112.3	109.5	108.3	106.0	101.5	

Run 14/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 99 DAY 0 HR: 0.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	0.	0.	0.	0.
	50	32.7	40.1	43.9	47.3	47.0	47.7	50.3	49.2	49.1	53.4	48.6							
	63	37.1	44.2	47.4	50.3	52.4	52.4	54.4	52.6	50.7	50.1	46.9							
SIDELINE 500. FT.	80	39.6	47.3	50.2	53.0	54.1	55.9	57.4	56.6	55.5	54.4	50.7							
(152.40 M)	100	42.4	50.1	53.8	55.0	55.4	56.1	56.2	54.2	52.9	52.7	50.2							
NFA 3095. RPM	125	42.3	52.8	56.6	57.6	59.5	60.6	57.7	56.2	53.8	52.2	51.2							
(324. RAD/SEC)	160	36.9	43.8	49.6	51.2	53.2	54.5	55.4	55.1	54.8	54.1	50.1							
NEK 3086. RPM	200	37.7	46.2	49.6	53.8	54.6	54.9	55.0	52.6	52.5	51.8	47.8							
(323. RAD/SEC)	250	36.7	45.1	50.8	55.7	57.1	57.2	57.6	54.9	55.1	53.7	48.9							
NFD 3244. RPM	315	35.5	43.9	47.5	53.6	54.8	55.6	55.7	53.9	52.0	49.4	44.6							
(340. RAD/SEC)	400	34.3	42.6	49.4	52.3	54.3	53.7	54.8	53.4	51.4	47.9	42.1							
AIRFLOW RATIO	500	34.3	47.3	50.3	51.5	52.6	52.7	51.8	49.8	47.8	45.6	42.3							
WF/WM 12.60	630	34.3	44.4	49.4	51.7	52.6	52.3	51.4	50.4	47.6	45.4	41.1							
	800	35.1	45.4	50.5	53.7	55.9	55.3	55.3	52.8	51.9	49.0	44.0							
VEHICLE UTWSIM	1000	49.9	59.8	65.7	67.5	69.5	69.9	72.9	69.5	66.5	65.5	60.2							
CONFIG	1250	56.5	47.5	54.8	58.3	58.6	58.6	59.2	57.1	56.4	53.4	48.3							
LOC SCHEMECTADY	1600	31.9	45.9	52.4	56.1	57.0	57.3	56.9	55.7	54.0	51.6	46.3							
DATE 06-02-75	2000	37.1	51.8	59.9	62.7	64.3	63.9	63.4	61.2	60.2	58.5	52.1							
RUN 14/10	2500	37.0	51.5	59.4	63.4	65.4	65.0	65.2	62.9	61.9	60.2	53.4							
TAPE X00000	3150	33.5	51.9	60.6	65.3	68.0	67.6	67.9	65.4	64.5	62.8	56.4							
FAN TIP SPEED	4000	26.2	46.7	56.3	62.8	65.3	65.6	65.4	64.2	62.4	61.0	54.0							
999. FT/SEC	5000	19.7	43.1	53.9	60.7	63.9	63.9	62.9	63.3	60.8	59.8	52.5							
	6300	9.4	37.7	50.6	57.3	60.7	61.4	59.9	60.6	58.2	57.9	51.2							
	8000		23.1	44.5	52.2	56.2	57.3	57.0	56.6	53.3	52.7	47.3							
	10000		15.5	34.2	44.5	49.7	50.7	49.7	50.8	48.7	46.7	43.5							
OVERALL CALCULATED		53.0	63.4	69.7	73.2	75.3	75.2	76.1	74.2	72.8	70.9	65.3							
PNDS		59.7	73.6	81.8	86.4	88.8	88.7	88.9	87.6	85.6	84.0	77.8							



Run 14/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 08 DAY 0 HR. 0.0

MODEL SOUND PRESSURE LEVELS (59, DEG. F., 75 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (ARC RADIANS)

SPL INPUT AT STD	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										0. 0. 0. 0. 0.					PWL	
		(0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )		(0. )
	50	56.6	68.1	67.1	67.1	69.1	70.3	69.6	68.1	66.3	67.6	67.3	65.3					101.6
	63	69.0	73.8	74.3	73.8	74.5	75.3	73.8	74.5	73.8	77.3	75.0	72.8					103.4
RADIAL 17. FT.	80	64.4	66.9	66.9	66.4	68.1	68.9	72.9	74.4	74.4	76.4	75.4	72.6					107.0
( 5. M)	100	67.9	67.4	66.9	64.9	62.9	64.4	56.9	69.1	69.9	70.9	71.4	69.4					102.6
VEHICLE UTHSIM	125	77.7	77.4	76.2	74.2	74.2	72.7	72.2	71.9	72.9	72.2	73.4	74.2					107.1
CONFIG	160	76.9	75.4	74.9	75.4	75.9	74.4	72.4	72.9	71.6	70.6	72.4	70.9					106.9
LUC SCHEMECTADY	200	78.8	80.5	80.2	78.5	78.7	79.8	76.2	79.7	77.0	74.7	73.7	71.2					111.1
DATE 08-02-75	250	85.5	84.8	84.2	82.7	82.7	82.8	81.7	82.3	81.5	80.5	79.2	75.7					113.1
RUN 14/11	315	89.8	89.5	88.5	87.5	85.7	83.5	83.0	81.8	80.7	80.5	79.2	77.0					117.0
TYPE X00340	400	89.4	89.9	89.6	89.7	84.9	84.4	82.9	81.4	80.4	77.4	75.6	74.6					113.6
BAR 29.7 HG	500	83.8	84.1	83.8	82.6	81.6	80.3	79.5	78.9	77.1	75.8	74.1	70.6					112.8
(00292. N/H2)	630	84.4	84.4	84.9	84.0	83.2	82.5	80.9	79.7	78.5	75.2	74.5	71.2					114.5
THRO 82. DEG F	800	86.0	85.3	84.5	84.0	83.8	83.3	81.7	80.3	79.3	77.5	77.8	74.8					114.8
(290. DEG K)	1000	84.4	83.9	80.4	79.5	81.7	82.0	81.2	79.8	77.4	74.0	72.5	68.9					112.7
THET 59. DEG F	1250	77.3	82.8	83.5	82.1	80.3	82.1	80.2	79.2	78.3	77.0	74.0	69.8					113.0
(233. DEG K)	1500	81.1	81.6	82.6	82.3	79.9	79.2	78.3	75.7	73.9	72.4	69.6	65.9					111.2
WACT 5. GM/H3	2000	83.2	83.2	82.7	81.9	80.6	79.8	77.1	74.9	72.2	70.3	68.5	65.5					113.9
( ) KG/H3)	2500	91.6	88.5	79.1	86.6	85.0	83.7	81.6	80.0	74.7	74.0	71.6	68.2					116.1
NPA 11337. RPM	3150	101.4	93.9	101.1	97.1	100.8	95.0	92.8	92.1	88.7	86.5	85.7	80.7					128.4
(1187. RAD/SEC)	4000	92.3	91.0	92.1	88.6	91.1	87.0	84.8	83.1	80.4	78.5	77.4	72.4					119.0
NPK 11394. PPM	5000	89.8	88.8	89.3	86.6	86.3	84.5	82.5	80.8	75.1	76.7	75.1	70.2					119.6
(1184. RAD/SEC)	8300	97.3	95.8	98.2	95.9	96.9	95.4	92.7	91.5	88.3	86.4	84.9	80.4					125.6
MED 11517. RPM	8000	91.5	91.8	93.2	92.4	92.5	91.0	86.7	87.2	84.2	82.3	80.7	76.4					122.4
(1205. RAD/SEC)	10000	95.9	96.6	97.0	98.0	97.1	96.2	93.5	92.3	89.1	87.4	85.2	80.3					127.3
NO. OF BLADES 18	12000	95.4	95.4	94.5	96.0	95.2	95.0	93.1	91.1	89.3	86.7	84.9	79.4					126.3
PAN TIP SPEED	16000	93.3	93.3	93.3	94.8	95.3	95.1	93.3	93.3	89.7	87.2	85.5	79.5					126.4
990. FT/SEC	20000	93.1	93.4	93.5	95.0	95.4	93.6	92.6	89.0	89.7	86.3	85.4	79.3					126.3
	25000	91.5	91.5	93.4	94.0	94.6	92.9	91.8	89.3	87.2	84.8	83.0	78.1					125.2
	31500	91.1	91.6	91.1	92.1	93.1	91.9	89.0	85.9	85.3	82.9	80.7	74.8					125.1
	40000	88.6	88.8	89.4	90.0	90.1	89.1	87.1	82.7	84.0	75.7	77.7	73.2					124.1
OVERALL MEASURED																		
OVERALL CALCULATED		106.7	105.6	106.5	105.7	106.4	104.5	102.5	100.6	98.6	96.5	95.0	90.3					136.7
PWDB		119.9	118.2	119.6	116.8	118.8	115.0	113.0	112.0	109.1	107.2	106.1	101.8					

Run 14/Reading 11

ORIGINAL PAGE IS  
OF POOR QUALITY

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 06 DAY 8 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 76 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (ARC RATIO'S)

SPL INPUT AT STD	FREQ. (C)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	3.	6.	9.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
50		37.9	45.1	47.9	53.0	53.3	52.5	53.8	52.9	52.1	53.7	51.8						
63		42.3	49.9	52.6	55.0	57.6	58.1	59.7	58.1	58.3	54.8	51.9						
SIDELINE 590. FT. (152.40 M)	80	45.8	53.3	56.5	59.3	60.4	61.4	62.7	62.4	61.5	60.1	56.2						
100		49.9	57.1	60.8	62.0	61.6	62.4	62.0	61.5	61.4	60.0	57.2						
NFA 3193. RPM (334. RAD/SEC)	125	45.5	53.7	58.6	60.8	62.3	62.1	61.4	59.9	58.1	56.2	54.7						
160		42.9	51.3	55.1	57.2	57.9	58.5	58.6	57.4	56.3	54.4	50.4						
NEK 3134. RPM (333. RAD/SEC)	200	42.5	51.9	56.1	58.5	59.8	59.7	59.3	58.6	55.5	54.6	50.8						
250		42.4	51.9	55.3	58.7	60.4	60.2	59.6	59.1	57.6	57.7	53.4						
NFD 3244. RPM (340. RAD/SEC)	315	43.2	48.2	50.8	56.3	58.8	59.4	59.9	57.1	52.8	52.1	48.1						
400		39.0	48.6	52.9	54.5	58.5	58.2	58.1	57.7	56.6	53.4	42.6						
AIRFLOW RATIO WF/WH 12.60	500	35.8	47.0	52.3	53.8	55.3	58.0	54.5	53.1	51.8	48.8	44.5						
630		36.3	46.4	51.6	54.0	54.8	54.9	53.1	51.1	49.4	47.4	43.8						
800		43.3	52.9	55.7	58.0	59.1	58.6	58.3	53.3	52.8	50.3	46.2						
VEHICLE BTWSM 1000		47.2	63.1	65.7	73.3	70.0	69.5	69.8	67.0	65.0	64.0	58.4						
CONFIS 1250		32.5	53.9	56.5	63.0	61.6	61.1	60.5	58.4	56.7	55.4	49.8						
LOC SCHENECTADY 1600		35.1	43.0	53.6	57.6	58.5	58.3	57.7	56.7	54.5	52.6	47.1						
DATE 06-02-75 2000		41.6	56.5	62.0	67.4	58.8	67.9	67.7	65.4	63.7	62.0	56.9						
RUN 14/11 2500		33.0	50.2	57.6	62.4	63.9	63.5	63.2	61.9	59.2	57.4	52.4						
TAPE X00060 3150		33.7	52.0	61.8	66.0	68.2	67.6	67.7	65.2	63.7	61.3	55.7						
FAN TIP SPEED 4000		26.2	46.5	57.8	62.6	65.3	66.1	65.4	64.4	62.1	60.6	53.7						
5000		28.7	44.1	55.6	62.0	65.4	65.0	64.3	64.5	62.3	60.3	53.5						
900. FT/SEC 6300		13.2	38.7	52.4	59.5	62.0	63.4	61.4	62.3	59.9	58.7	51.7						
8000			30.6	47.3	54.7	57.9	59.8	59.2	58.1	56.9	54.0	48.0						
10000			17.3	37.0	47.8	52.4	53.2	52.4	53.0	51.0	48.4	41.2						
OVERALL CALCULATED		56.0	67.0	71.5	76.8	76.9	76.3	76.5	74.8	73.2	71.6	66.8						
PN03		61.0	76.3	83.6	88.2	90.0	89.8	89.5	87.7	86.0	83.9	78.4						

Run 14/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 19 DAY 8 HR: 0.8

MODEL SOUND PRESSURE LEVELS (99. DEC. F, 70 PERCENT REL. HUM; DAY)

SPL INPUT AT STD

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	P4L
FREQ. (9.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	
50	64.8	65.5	64.8	64.3	65.8	67.1	65.1	65.6	64.3	66.1	66.6	63.8						93.2
63	69.5	73.3	73.5	73.8	74.8	75.8	73.8	74.0	73.5	74.8	75.3	72.8						103.3
RADIAL 17. FT.	80	64.4	66.1	65.9	64.9	67.8	68.6	72.6	73.6	73.4	75.4	74.7						100.3
( 5. M)	100	63.4	62.2	62.9	61.2	58.4	59.9	62.7	65.4	63.9	64.6	65.6						97.4
VEHICLE UTMSIM	125	70.7	70.9	71.9	69.7	67.4	66.4	69.0	67.7	69.4	70.2	71.7						103.7
CONFID	160	71.9	67.9	69.1	68.6	69.6	68.4	67.4	71.6	65.9	68.1	70.6						102.9
LCC SCHEMECTADY	200	71.5	73.0	73.0	71.2	71.7	72.2	72.0	72.0	70.2	67.5	67.5						104.4
DATE 8-02-75	250	77.5	76.3	76.2	75.2	74.7	74.7	74.7	75.3	73.5	73.0	72.5						107.7
RUN 14/12	315	78.3	76.8	77.7	77.3	75.2	73.8	72.7	75.5	71.1	70.7	72.5						107.1
TYPE X00060	400	77.4	77.1	77.4	76.7	76.1	76.2	74.9	74.9	71.9	70.1	69.6						107.7
BAR 29.7 HG	500	76.1	75.9	75.5	74.6	73.3	73.3	72.1	72.0	71.3	69.8	68.6						105.7
(0.222. N/M2)	630	74.9	74.7	73.2	74.5	74.2	74.8	73.7	73.9	71.2	70.2	69.7						105.4
YAW 62. DEG F	800	75.8	77.0	76.2	76.3	77.3	77.0	77.5	76.5	72.8	72.0	73.3						107.1
(220. DEG K)	1000	80.4	79.7	78.2	77.2	78.5	77.8	76.9	76.3	73.4	73.0	72.2						109.3
THEY 56. DEG F	1250	79.0	78.5	77.3	78.6	78.8	78.1	77.0	74.2	71.6	70.3	69.3						101.8
(288. DEG K)	1600	80.1	78.4	79.3	77.3	77.2	75.9	75.1	70.4	70.9	69.9	67.6						103.2
WACT C. 08/M3	2000	80.7	79.4	79.2	78.9	78.3	78.3	76.6	78.1	73.7	71.3	68.7						107.7
(1. KG/M3)	2500	84.1	83.1	83.9	81.1	84.8	83.0	81.1	77.9	78.4	77.2	74.1						111.7
WCA 11402. RPM	3150	96.9	97.4	97.4	96.1	99.1	97.3	95.1	93.3	91.7	88.5	87.7						121.3
(1194. RAD/SEC)	4000	88.5	89.3	90.3	89.1	91.3	89.3	87.3	85.1	83.9	81.0	79.9						121.4
WCA 11369. RPM	5000	86.1	86.2	85.6	85.1	84.1	83.0	82.0	81.8	79.4	77.0	75.4						115.3
(1190. RAD/SEC)	6300	91.8	91.8	93.9	92.4	91.6	89.7	87.7	87.5	85.6	83.9	82.1						121.3
WCA 11517. RPM	8000	92.3	92.3	91.9	93.6	90.5	90.5	87.4	87.4	84.7	83.0	81.2						121.9
(1405. RAD/SEC)	10000	94.3	95.9	95.3	95.5	94.9	93.7	92.3	91.6	85.6	87.1	85.7						123.7
NO. OF BLADES 12	12500	93.9	94.4	93.3	94.2	93.7	93.3	91.3	89.8	85.3	86.0	84.6						124.9
FAN TIP SPEED	16000	92.1	92.3	92.3	92.5	92.8	92.4	90.3	88.3	87.5	85.3	84.5						124.0
975. FT/SEC	20000	91.1	91.5	91.8	92.2	92.4	91.3	89.3	86.3	86.5	83.6	82.6						123.7
	25000	89.3	89.0	89.7	91.3	90.8	89.4	87.3	85.6	84.4	81.3	81.0						122.9
	31500	89.1	89.3	88.9	88.6	89.6	88.1	85.0	82.4	82.0	79.0	78.7						121.8
	40000	86.8	87.1	86.6	86.5	86.6	84.9	82.9	79.2	80.8	77.0	75.0						120.8
OVERALL MEASURED		103.2	103.7	103.3	103.3	103.9	102.7	100.7	99.1	97.6	95.3	94.3						134.5
OVERALL CALCULATED		115.4	115.9	115.7	114.7	116.4	115.0	113.0	111.8	109.9	107.5	106.4						

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROG. DATA - NORTH AV HIGHWAY 12

FULL SCALE SOURCE INFORMATION	CALCULATED FROM SOURCE DATA (SEE COLS. 13 TO 24)									
	1	2	3	4	5	6	7	8	9	10
DPL INPUT AT STD	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
SIDEWALK 500. FT.	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
W/A 2000. MPH	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
W/X 2000. MPH	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
W/D 2000. MPH	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
AIRFLOW RATE	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
VEHICLE UTMSH	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
CONFID	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
LOC SCHEJECTADY	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
DATE 08-03-75	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
REV 14/12	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
TAPE X00060	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
FAV TIP SPEED	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
925. FT/SEC	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
OVERALL CALCULATED	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1
PHDB	30.4	37.3	42.7	47.4	51.9	56.3	60.6	64.8	69.0	73.1

Run 14/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 99 DAY 0 HR: 0.0

MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (C.)	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. PNL															
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )
50	66.1	67.3	68.8	66.8	68.8	70.1	68.1	67.3	67.3	68.1	69.8	68.6					102.0
63	70.0	73.0	74.3	74.3	75.5	76.3	74.5	74.5	74.3	76.8	75.3	73.8					103.7
RADIAL 17. FT. ( 3. M)	80	65.4	66.6	66.1	65.9	67.6	68.9	72.6	74.1	74.1	75.6	75.4	72.4				107.7
VEHICLE UTWSIM	100	66.6	65.1	65.5	63.2	61.4	63.2	64.9	66.6	67.6	68.1	65.6	67.1				108.2
CONFID	125	75.4	75.4	74.7	72.7	71.9	70.7	71.2	69.7	71.9	71.9	73.2	74.2				109.1
UNC SCHEMECTADY	160	75.4	73.9	73.4	73.6	73.6	71.9	70.6	71.6	70.6	71.6	72.6	71.4				105.6
DATE 10-02-75	200	78.3	80.3	80.2	78.1	77.7	78.2	77.2	79.5	75.5	73.7	72.2	73.0				117.5
RUN 14/13	250	83.8	83.3	85.0	81.2	80.7	80.2	80.2	80.5	80.3	78.7	77.5	74.5				113.5
TYPE X00050	315	86.5	87.5	86.0	84.5	83.0	81.3	80.2	79.8	78.7	78.0	77.2	74.7				114.6
BAR 29.7 HG	400	83.9	83.9	83.6	83.2	83.4	83.4	81.4	79.9	75.1	76.4	75.6	74.1				114.2
(00292. N/M2)	500	81.3	82.1	81.8	80.8	79.1	78.1	77.3	77.1	75.6	73.3	72.3	68.5				110.8
TAKE 62. DEG F (270. DEG K)	630	83.7	83.7	81.2	79.7	79.7	79.3	78.4	77.7	74.5	73.0	72.2	64.4				111.9
INLET 58. DEG F (288. DEG K)	800	82.3	81.8	80.7	80.3	80.6	81.1	80.0	79.3	77.0	74.3	73.5	70.8				112.1
MACT 3. G0/M3	1000	86.2	85.2	85.4	81.2	82.7	83.0	81.7	81.6	77.7	77.7	77.5	69.7				114.4
(1208. RAD/SEC)	1250	81.5	82.5	84.5	82.8	83.3	81.1	79.7	79.2	76.0	75.3	75.5	72.3				113.3
NEA 12140. RPM (1272. RAD/SEC)	1500	82.9	82.4	82.6	80.7	79.7	78.9	76.6	77.9	76.4	75.4	75.4	71.6				111.9
NEK 12111. RPM (1268. RAD/SEC)	2000	81.7	81.4	80.9	79.6	80.6	80.5	78.1	77.3	74.5	73.8	71.2	66.5				111.1
NED 11517. RPM (11706. RAD/SEC)	2500	82.9	85.4	84.6	84.8	85.5	82.5	82.1	80.5	77.4	76.0	72.9	67.9				114.9
NO. OF BLADES 18	3150	93.7	93.4	93.9	94.4	94.8	91.3	91.3	89.6	87.7	87.3	82.7	79.5				121.9
FAN TIP SPEED 1000. FT/SEC	4000	97.8	97.8	101.1	98.9	101.8	95.3	96.0	94.4	92.4	92.2	88.1	84.7				129.7
	5000	87.6	87.8	87.1	85.9	85.8	84.3	83.1	82.8	81.4	78.7	76.4	70.5				116.6
	6300	91.5	93.0	91.4	90.9	90.4	90.9	89.2	87.3	84.8	82.9	81.9	75.7				121.8
	8100	94.8	95.4	94.6	95.0	95.0	95.0	93.2	91.7	88.7	87.3	82.7	80.1				120.1
	10000	94.9	95.0	94.5	94.5	94.4	92.7	91.0	91.1	86.4	85.1	85.2	79.3				125.1
	12500	94.6	94.6	94.0	94.7	94.0	93.3	91.8	90.3	86.0	85.0	84.5	78.6				125.2
	16000	93.6	93.8	94.3	93.8	94.3	93.6	91.3	89.3	89.0	86.0	86.0	79.5				125.4
	20000	92.9	93.4	93.5	94.2	93.9	92.6	91.3	89.8	88.8	85.1	85.4	76.5				125.3
	25000	92.3	92.3	92.2	93.5	92.8	91.2	89.5	87.1	85.4	82.3	82.5	77.9				124.5
	31500	91.3	91.3	90.9	90.6	91.3	90.1	87.5	83.9	84.3	81.6	80.2	75.3				121.8
	40000	86.8	89.1	89.4	88.5	88.6	87.1	85.4	81.2	82.8	79.0	77.0	73.4				122.8
OVERALL MEASURED																	130.2
OVERALL CALCULATED																	
PN08	104.7	105.3	105.9	105.0	106.1	103.6	102.4	103.5	98.9	97.4	95.6	91.0					
	117.8	117.3	119.1	117.4	119.3	114.9	114.8	113.4	111.4	118.8	107.8	104.1					

Run 14/Reading 13

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 29 DAY 8 HR: 0.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (56. DEG. F, 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
50		36.4	43.6	48.1	50.8	50.8	50.7	52.5	51.9	52.1	53.9	52.3
63		42.6	49.9	52.1	54.6	56.9	57.1	59.9	57.6	55.0	53.3	50.6
SIDELINE 500. FT. 83		44.3	52.1	55.0	57.3	53.6	59.9	63.9	60.9	59.8	58.4	54.9
(152.40 M) 100		47.9	54.6	57.8	59.2	59.4	59.6	63.0	59.5	58.9	58.0	55.0
NEA 3421. RPM 125		43.5	51.7	56.1	59.3	61.3	60.6	59.9	50.7	57.1	56.2	54.2
(359. RAD/SEC) 150		43.9	49.3	53.4	54.7	55.7	56.2	56.9	55.9	53.8	52.6	48.6
NAK 3411. RPM 200		39.0	48.2	51.9	55.0	56.6	57.2	57.3	54.6	53.2	52.3	48.0
(357. RAD/SEC) 250		38.9	47.1	52.0	55.7	58.1	56.5	54.6	56.9	54.3	53.4	50.1
W/D 3244. RPM 315		42.5	51.2	52.5	57.3	59.8	59.9	59.7	57.4	57.5	57.1	49.8
(340. RAD/SEC) 400		37.1	49.6	53.4	57.5	57.5	57.7	53.1	55.4	54.9	54.9	51.1
AIRFLOW RATIO 500		35.6	47.1	51.0	53.5	55.1	54.2	56.6	55.6	54.3	54.6	50.3
WF/M 12.60 633		34.5	44.6	49.4	54.0	56.3	55.5	55.6	53.4	52.9	50.1	44.8
800		45.1	58.7	63.6	69.3	66.7	68.4	67.6	66.3	66.1	61.3	57.5
VEHICLE UTWSIM 1800		45.8	63.1	67.5	74.3	70.3	72.7	72.1	70.8	70.3	66.5	62.5
CURVE 1250		36.4	45.1	53.8	57.3	53.8	59.3	63.2	59.4	56.9	54.4	48.3
LUG SCHEDULED 1600		32.4	51.2	58.3	61.7	64.9	65.3	64.2	62.4	60.7	59.5	52.6
DATE 6-30-75 2000		41.0	53.9	60.8	65.6	63.5	68.5	67.2	65.9	64.7	62.6	56.8
RUN 14/13 2000		37.0	51.7	60.1	64.4	65.7	66.7	67.2	65.2	63.2	62.0	55.2
TAPE X00000 3150		31.9	47.2	58.3	63.1	65.5	66.1	65.9	64.3	62.5	61.2	54.4
FAN TIP SPEED 4000		25.0	46.3	55.9	62.0	64.7	64.6	64.3	64.5	61.7	61.5	54.2
1000. FT/SEC 5000		21.2	44.3	55.5	61.0	63.2	64.3	62.5	63.2	60.6	60.6	54.0
5000		9.4	33.0	51.3	57.6	60.0	61.0	61.1	59.4	56.5	56.5	50.9
8000			29.3	43.7	52.4	56.0	56.5	54.8	56.2	52.3	52.1	46.1
10000			16.8	34.7	44.7	49.8	51.0	49.0	51.9	48.4	46.0	41.3
OVERALL CALCULATED		55.1	66.8	71.9	77.5	76.9	77.8	77.3	76.2	75.1	72.8	67.8
PNSR		63.8	75.2	82.3	87.1	89.2	89.4	89.1	87.9	86.1	84.8	78.6

Run 14/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 30 DAY 0 HR. 0.0  
 MODEL SOUND PRESSURE LEVEL (dB, DEG. F, 70 PERCENT REL. HUMID. DAY)

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVEL (dB, DEG. F, 70 PERCENT REL. HUMID. DAY)															
	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
FREQ. (0.1)	63.0	65.3	65.6	64.8	66.3	67.6	65.3	65.0	66.3	66.6	68.6	67.8	68.4	67.8	68.4	68.4
80	64.4	66.1	65.9	64.9	66.9	68.6	72.1	73.4	73.6	75.4	74.4	74.4	74.4	74.4	74.4	74.4
100	61.9	61.7	63.2	60.7	58.4	59.9	61.9	63.2	63.2	63.7	64.4	63.4	63.4	63.4	63.4	63.4
125	69.7	69.4	71.2	69.2	65.9	65.4	69.2	66.2	69.4	66.9	71.9	73.2	73.2	73.2	73.2	73.2
160	71.4	69.4	69.9	67.6	68.9	67.9	66.6	69.4	68.6	68.4	70.6	69.1	69.1	69.1	69.1	69.1
200	72.0	73.8	75.5	74.5	75.5	77.0	77.7	74.5	73.5	75.3	68.6	69.2	69.2	69.2	69.2	69.2
250	73.0	72.3	72.5	71.3	70.5	70.2	70.2	70.0	69.5	69.5	69.2	66.7	65.3	65.3	65.3	65.3
315	73.5	74.3	73.5	72.3	71.2	70.5	69.3	69.5	69.5	69.5	69.1	68.4	68.4	68.4	68.4	68.4
400	76.6	76.6	75.6	74.2	74.4	74.7	74.6	72.6	73.4	73.4	73.1	69.1	68.4	68.4	68.4	68.4
500	73.6	73.3	72.5	70.6	70.1	69.6	69.6	71.2	71.7	69.7	67.2	67.2	67.2	67.2	67.2	67.2
630	73.7	73.7	73.4	72.3	72.2	72.0	71.2	73.2	73.3	70.5	66.6	66.6	66.6	66.6	66.6	66.6
800	73.0	73.5	74.0	73.3	73.8	74.6	73.2	73.3	70.5	66.6	66.6	65.3	65.3	65.3	65.3	65.3
1000	81.2	81.4	81.7	79.5	80.7	77.0	79.2	81.1	76.2	75.7	73.7	66.7	66.7	66.7	66.7	66.7
1250	78.3	78.8	77.2	77.5	77.3	77.1	76.2	77.4	73.8	74.5	72.3	67.3	67.3	67.3	67.3	67.3
1500	78.4	75.9	75.3	73.5	73.2	73.9	77.3	75.4	72.3	72.2	71.1	67.4	67.4	67.4	67.4	67.4
2000	79.4	77.2	77.4	77.6	79.6	76.3	76.1	75.3	72.6	70.5	69.0	64.2	64.2	64.2	64.2	64.2
2500	81.4	81.6	82.4	82.3	82.3	81.2	79.1	77.8	76.4	75.0	72.6	66.9	66.9	66.9	66.9	66.9
3150	93.2	94.9	93.6	92.4	89.3	87.3	88.3	87.3	85.4	84.8	82.4	76.3	76.3	76.3	76.3	76.3
4000	95.3	99.5	93.6	97.1	93.6	90.5	92.8	91.4	89.7	90.5	87.1	80.4	80.4	80.4	80.4	80.4
5000	84.8	85.6	85.3	84.4	84.1	82.3	82.3	81.1	79.6	77.7	75.9	69.7	69.7	69.7	69.7	69.7
6300	87.3	89.0	88.9	83.2	88.4	87.9	84.7	84.3	82.1	81.1	80.1	73.7	73.7	73.7	73.7	73.7
8000	91.5	93.3	93.2	91.7	92.3	92.0	88.9	88.2	85.7	84.5	82.5	77.9	77.9	77.9	77.9	77.9
10000	92.1	92.4	92.0	92.3	91.9	90.9	89.3	88.3	85.6	84.4	83.7	77.8	77.8	77.8	77.8	77.8
12500	91.6	92.4	91.5	91.5	91.2	90.5	88.3	88.3	85.0	83.5	83.1	76.9	76.9	76.9	76.9	76.9
15000	90.8	91.3	91.0	91.2	91.8	90.6	88.6	88.5	85.7	82.5	82.5	77.2	77.2	77.2	77.2	77.2
20000	90.4	91.1	90.3	91.5	90.9	89.6	86.1	84.5	83.0	81.8	81.2	77.2	77.2	77.2	77.2	77.2
25000	89.0	89.0	87.4	91.5	89.8	88.4	86.0	83.6	82.4	81.5	79.8	76.1	76.1	76.1	76.1	76.1
31500	86.6	83.3	87.9	87.3	85.1	86.9	84.0	81.2	81.1	78.4	77.9	74.8	74.8	74.8	74.8	74.8
40000	85.6	85.0	85.9	85.2	85.1	84.1	82.1	77.7	79.5	75.5	74.5	72.2	72.2	72.2	72.2	72.2
OVERALL MEASURED																
OVERALL CALCULATED	102.8	103.8	103.2	102.5	101.5	100.2	99.1	97.5	96.0	93.2	93.7	88.3	88.3	88.3	88.3	88.3
PROB	115.7	116.8	116.1	114.9	112.7	110.6	111.3	110.4	108.5	108.7	106.1	100.4	100.4	100.4	100.4	100.4

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 14/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCG. DATE - MONTH 39 DAY 9 HR: 0.8

SPL INPUT AT STD	FREQ. (C)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY)											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
		ANGLES FROM INLET (IN DEGREES (AND RADIANS))											
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
50		32.2	41.1	42.1	46.0	46.8	46.7	51.3	49.0	49.8	51.9	53.0	
60		35.6	45.2	48.6	52.3	55.6	57.6	59.2	54.6	51.2	49.1	48.9	
SIDELINE 900. FT. (152.43 M)	100	34.4	42.1	45.3	47.5	49.6	48.4	49.7	49.2	48.1	47.5	45.2	
NEA 3418. RPM (359. RAD/SEC)	125	34.3	43.7	47.1	50.3	52.5	53.1	52.7	51.4	50.8	49.7	48.4	
NEA 3438. RPM (357. RAD/SEC)	200	32.1	40.0	43.1	45.7	47.2	48.7	51.4	45.9	47.3	48.9	43.9	
NEA 3244. RPM (340. RAD/SEC)	400	31.7	40.4	44.6	47.5	49.3	49.9	51.3	45.8	47.5	47.0	44.5	
NEA 3244. RPM (340. RAD/SEC)	250	30.7	40.4	44.8	48.7	51.6	51.7	53.1	51.4	49.1	47.9	44.6	
NEA 3244. RPM (340. RAD/SEC)	315	37.7	47.5	50.3	55.3	53.6	47.4	59.2	55.9	55.5	52.4	45.2	
AIRFLOW RATIO M/WM 12.60	500	35.0	44.3	48.4	51.5	53.5	56.2	56.3	53.2	54.1	51.4	45.5	
	639	33.1	40.8	45.3	52.0	52.1	55.0	54.1	51.0	51.5	51.3	46.1	
	800	30.3	41.1	47.4	53.0	54.1	53.5	54.1	50.9	49.9	47.9	42.6	
VEHICLE UTWSIM	1000	48.6	56.5	61.6	62.3	62.7	65.4	65.4	64.1	64.8	61.0	54.0	
CONFIG	1250	49.5	61.6	63.7	66.1	65.5	67.5	67.1	64.3	65.0	65.5	63.2	
LCC SCHENECTADY	1600	34.1	46.3	52.3	56.0	57.3	58.1	51.1	57.0	55.9	53.9	47.1	
DATE 09-02-75	2000	35.4	48.7	55.2	59.7	61.9	68.5	61.2	59.7	58.9	57.7	50.6	
RUN 14/14	2500	37.0	51.6	55.0	62.9	65.5	64.3	64.7	62.9	61.9	61.1	54.4	
TYPE X0J060	3150	33.2	49.2	57.6	61.9	63.9	64.2	64.5	62.5	61.5	60.5	54.2	
FAN TIP SPEED	4000	29.7	46.7	55.5	60.3	62.8	62.6	62.4	61.3	60.0	59.4	52.4	
1000 FT/SEC	5000	22.5	43.3	53.2	59.5	61.7	61.9	60.2	61.2	58.2	56.3	52.0	
	6300	19.0	41.8	52.7	58.0	60.2	61.1	59.3	60.2	57.4	57.8	52.2	
	8000	6.4	35.2	48.6	54.6	57.3	57.5	56.6	56.4	52.7	53.7	49.2	
	10000		26.3	43.4	49.2	52.8	53.0	52.0	52.9	50.6	49.8	44.8	
OVERALL CALCULATED	10500		13.3	31.5	41.2	46.0	47.7	45.5	46.6	44.9	43.5	40.0	
	PHDS	52.7	63.5	69.2	71.8	73.2	74.4	74.3	73.1	72.9	70.8	64.5	
		53.9	71.0	79.2	82.6	85.5	86.1	86.0	84.7	83.5	82.5	76.2	



Run 14/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 47 DAY 8 HR: 0.0

MODEL SOUND PRESSURE LEVELS (50; DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIAN'S)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)																PWL
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
50	67.1	66.1	65.1	65.9	66.6	67.3	66.8	65.6	65.3	65.8	66.3	67.1	67.1	67.1	67.1	67.1	67.1	101.4
63	70.5	74.3	74.5	74.8	76.0	76.3	74.5	74.5	74.3	76.5	74.5	75.5	75.5	75.5	75.5	75.5	75.5	103.7
RADIAL 17. FT. ( 5. M)	83	54.6	65.4	65.4	64.9	67.4	68.4	72.4	73.6	73.1	75.1	74.4	72.4	72.4	72.4	72.4	72.4	105.1
VEHICLE UTMSIN	100	62.9	61.7	62.2	60.7	58.9	60.2	61.9	64.4	63.2	63.2	63.9	63.1	63.1	63.1	63.1	63.1	97.4
CUNIFIC	125	70.4	70.2	71.2	68.9	66.9	66.2	68.9	67.2	70.2	70.2	71.6	73.2	73.2	73.2	73.2	73.2	103.8
LCC SCHEMESTADY	200	72.3	74.5	73.5	77.0	77.7	77.5	79.7	81.4	78.5	72.5	74.5	74.5	74.5	74.5	74.5	74.5	103.2
DATE 20-11-75	250	72.8	72.3	72.2	71.7	71.2	70.5	71.2	72.0	72.7	66.5	70.2	68.7	68.7	68.7	68.7	68.7	104.6
RLN 14/25	315	73.0	73.0	72.5	73.5	70.7	69.8	66.5	67.3	67.7	67.0	67.0	66.0	66.0	66.0	66.0	66.0	102.7
TAPR X00060	400	75.6	74.1	73.4	72.2	72.4	72.7	71.1	71.9	70.4	69.4	67.6	66.4	66.4	66.4	66.4	66.4	104.0
BR 27.7 HS	500	73.3	72.3	71.0	73.3	69.3	69.3	69.3	70.1	67.2	66.0	67.1	65.3	65.3	65.3	65.3	65.3	102.4
(0022. N/M2)	630	75.7	74.2	72.2	71.5	72.7	72.3	70.9	71.9	69.5	67.3	65.7	63.9	63.9	63.9	63.9	63.9	103.9
TAMR 02. DEG F	800	72.3	73.5	71.2	75.8	71.0	74.8	74.2	74.8	71.3	70.0	66.6	67.0	67.0	67.0	67.0	67.0	105.9
(290. DEG K)	1000	75.7	76.7	73.4	77.3	80.0	77.0	76.2	76.3	73.7	73.7	73.3	66.9	66.9	66.9	66.9	66.9	107.8
T-ET 53. DEG F	1250	75.8	75.3	75.5	75.8	76.6	78.1	77.7	75.2	74.5	74.3	72.5	65.6	65.6	65.6	65.6	65.6	107.9
(788. DEG K)	1600	76.4	74.1	77.3	73.2	77.7	71.9	79.6	75.4	75.1	76.4	75.9	67.9	67.9	67.9	67.9	67.9	111.7
MACT 0. GM/H3	2000	78.7	78.4	77.2	77.9	75.0	76.3	77.1	77.3	74.2	70.3	65.2	68.7	68.7	68.7	68.7	68.7	108.9
(1 KG/H3)	2500	81.1	82.1	82.9	81.1	79.8	78.7	79.1	78.8	75.2	74.7	71.1	66.2	66.2	66.2	66.2	66.2	111.6
NFA 12734. RPM	3150	86.4	87.2	87.6	86.4	86.1	85.0	83.3	83.0	81.4	80.0	78.7	72.5	72.5	72.5	72.5	72.5	117.1
(1333. RAD/SEC)	4000	93.5	97.0	97.6	95.1	96.1	95.0	92.0	93.4	85.7	86.5	86.6	79.7	79.7	79.7	79.7	79.7	125.0
NFK 12497. RPM	5000	83.1	83.3	83.3	82.4	83.4	81.8	79.8	73.6	77.6	76.0	74.4	62.7	62.7	62.7	62.7	62.7	113.4
(1329. RAD/SEC)	6300	86.5	87.9	86.7	85.4	85.1	84.2	81.9	81.5	79.8	78.6	77.4	71.9	71.9	71.9	71.9	71.9	115.0
NFD 11517. RPM	8000	92.3	92.3	92.2	93.6	90.3	90.5	87.2	86.9	83.2	84.3	84.2	78.1	78.1	78.1	78.1	78.1	121.7
(1206. RAD/SEC)	10000	90.6	93.4	89.5	89.1	88.6	87.7	86.0	84.0	83.4	82.4	81.4	76.0	76.0	76.0	76.0	76.0	117.3
NO. OF PLAGES 10	12000	91.1	91.6	89.8	89.7	89.7	88.8	87.1	86.1	84.8	83.2	82.6	76.6	76.6	76.6	76.6	76.6	121.0
FAN TIP SPEED	15000	89.6	89.8	89.0	88.5	89.1	88.4	85.8	81.0	83.2	81.2	81.5	76.5	76.5	76.5	76.5	76.5	120.2
1112. FT/SEC	20000	89.1	87.4	88.8	85.3	88.7	87.6	85.8	82.2	82.2	81.6	81.4	76.3	76.3	76.3	76.3	76.3	124.3
	25000	98.0	87.5	88.2	88.3	87.6	86.2	84.3	81.6	80.7	78.0	75.5	75.4	75.4	75.4	75.4	75.4	114.6
	31500	87.3	87.3	86.1	86.1	85.0	85.1	82.0	78.0	76.6	76.4	76.4	73.5	73.5	73.5	73.5	73.5	119.0
	40000	84.8	84.5	84.4	83.2	83.4	81.9	80.1	75.9	72.3	74.2	73.2	71.4	71.4	71.4	71.4	71.4	117.7
OVERALL MEASURED																		
OVERALL CALCULATED		100.5	101.6	100.7	100.2	100.4	99.6	97.3	96.3	94.6	93.7	92.7	87.0	87.0	87.0	87.0	87.0	131.5
PWDR		112.2	114.3	113.5	112.8	113.4	112.7	110.4	109.4	107.6	107.1	105.5	100.0	100.0	100.0	100.0	100.0	

Run 14/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 07 DAY 0 HR: 0.0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F, 70 PERCENT REL. HUM. DAY)													
	FREQ. (0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	ANGLES FROM INLET (A DEGREES (AND RADIANS))													
	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0. 0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	
50	32.4	39.3	42.9	46.3	47.0	47.5	51.3	50.4	50.6	52.7	51.3			
63	36.3	43.2	51.1	54.6	56.1	59.6	62.4	59.6	54.7	55.6	54.6			
SIDELINE 500. FT.	33.3	41.3	45.5	47.0	48.9	40.9	53.2	51.6	50.5	51.1	49.2			
(152.40 M)	33.4	41.1	44.8	47.0	47.9	47.9	49.5	48.5	47.0	47.7	46.2			
NFA 3587. RPM	33.3	41.5	45.1	48.3	50.9	50.3	51.9	50.9	49.8	49.2	48.4			
( 376. RAD/SEC)	31.1	38.5	42.9	44.9	46.9	48.2	49.9	48.1	47.3	47.4	45.1			
NFK 3576. RPM	32.2	39.2	43.6	48.0	49.6	49.7	51.5	48.6	47.2	45.8	43.5			
( 374. RAD/SEC)	27.7	37.6	42.5	46.7	51.9	52.7	54.1	51.6	50.8	48.7	46.4			
NFD 3244. RPM	33.0	44.2	48.3	54.6	54.5	54.4	55.4	53.4	53.5	53.1	46.1			
( 340. RAD/SEC)	38.5	40.6	46.6	50.8	54.5	55.7	54.1	53.9	51.9	48.9	44.0			
AIRFLOW RATIO	28.3	42.3	43.5	51.5	58.1	57.2	57.1	55.3	58.8	55.1	46.5			
500	31.5	40.9	47.6	49.2	52.1	54.9	56.1	53.1	49.9	47.1	47.1			
NF/HM 12:60	38.9	50.5	55.6	59.0	60.4	60.4	61.6	60.1	59.6	57.3	50.5			
800	47.3	57.6	63.7	68.6	70.0	68.7	68.1	67.0	67.0	65.0	57.5			
VEHICLE UTWSIM	31.9	44.3	50.3	55.8	56.3	56.1	55.9	55.6	54.2	52.4	46.1			
1250	33.4	46.4	52.5	56.4	58.2	57.8	58.5	57.4	56.4	55.0	48.9			
LUC SCHENECTADY	36.5	50.6	56.8	60.9	64.8	62.5	63.5	62.4	61.7	61.4	54.6			
DATE 06-02-75	31.8	45.7	54.4	58.7	60.7	61.0	60.7	60.2	58.9	58.3	52.2			
2000	28.9	45.0	53.8	58.8	61.0	61.4	61.6	61.1	59.8	58.9	52.2			
RUN 14/15	21.0	41.3	50.7	56.7	59.5	59.1	58.5	58.7	57.8	57.8	50.7			
TYPE X00060	17.2	38.5	50.2	55.5	58.2	58.8	57.8	57.7	56.1	56.6	51.0			
FAN TIP SPEED	4.9	34.3	46.3	52.3	55.0	55.5	54.6	54.6	52.2	52.5	48.4			
1112. FT/SEC		24.3	39.2	46.9	51.0	51.0	49.8	51.4	48.8	48.3	43.8			
6300		11.8	29.5	39.4	43.8	45.7	43.8	47.1	43.7	42.3	39.3			
8000	49.7	60.5	68.8	71.4	73.4	72.8	73.8	71.9	71.3	69.9	64.2			
10000	56.2	69.7	76.7	81.7	84.1	84.2	84.4	83.7	82.6	81.6	75.9			
OVERALL CALCULATED														
PNDB														

Run 14/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 94 DAY 8 HR. 0:7

MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT REL. HUM, DAY)

SPL INPUT AT STD	ANGLES FROM INLET IN DEGREES (AND RADIANS)											PWL					
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		110.				
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(9.)	(10.)	(100.)	(10.)	(10.)
50	66.3	65.8	64.3	65.1	65.1	68.3	66.8	65.3	65.3	65.8	67.8	68.3	100.6				
63	69.3	73.8	74.0	74.3	75.3	76.0	74.0	74.2	73.8	76.3	74.8	73.8	103.4				
80	63.6	63.6	64.9	64.5	67.1	68.1	71.6	73.6	73.1	75.1	74.1	71.6	105.9				
100	60.9	63.7	61.2	59.2	58.9	59.2	61.4	62.2	63.2	63.7	63.9	63.2	95.5				
125	89.4	89.9	70.9	69.2	66.4	65.7	68.4	66.4	69.4	70.2	71.4	73.2	103.3				
160	71.1	59.1	62.1	67.6	68.6	67.6	66.9	69.6	68.6	68.6	69.9	68.6	102.3				
200	71.0	73.5	72.5	76.2	77.0	76.2	79.2	81.3	78.2	73.0	73.7	73.5	113.0				
250	72.7	73.0	71.7	70.5	70.7	70.0	71.2	72.2	73.5	69.7	69.2	68.0	104.2				
315	72.5	73.2	72.2	71.2	70.2	69.8	68.0	69.2	68.0	67.0	66.2	65.5	102.3				
400	75.7	73.9	72.9	71.4	71.9	72.4	71.4	71.6	70.9	69.6	68.4	66.4	104.6				
500	72.1	72.3	71.0	69.3	68.8	68.1	68.5	69.6	69.1	67.1	66.3	64.3	101.6				
630	74.3	72.7	71.2	70.5	71.5	71.5	69.9	69.0	66.2	66.7	64.7	63.2	102.7				
800	71.1	73.0	70.7	70.3	71.3	73.8	73.5	73.0	71.5	70.0	67.6	65.8	104.9				
1000	75.3	76.2	77.7	77.0	80.0	76.5	75.7	75.4	73.4	74.5	73.5	66.7	109.2				
1250	75.4	74.8	75.2	75.6	76.6	78.1	77.0	74.0	73.8	73.8	70.3	64.3	102.4				
1600	76.0	74.1	77.6	73.9	77.7	61.4	78.8	77.1	76.1	79.2	75.1	54.1	111.1				
2000	78.8	79.0	76.9	77.9	75.3	76.0	76.9	74.4	74.0	70.3	67.7	64.7	105.2				
2500	81.0	82.7	82.9	80.8	79.3	78.2	78.8	77.1	75.4	75.0	70.9	65.9	111.3				
3150	86.0	87.2	87.4	86.1	85.8	84.8	83.6	82.9	81.4	80.5	75.0	71.7	116.0				
4000	93.5	96.7	96.1	95.4	96.6	95.0	92.3	91.1	89.2	88.7	66.9	79.9	125.2				
5000	82.5	83.7	83.1	82.1	82.6	81.3	79.8	78.5	76.9	75.7	73.9	68.9	113.8				
6300	86.5	87.0	85.4	85.2	84.9	83.9	81.7	81.5	79.6	73.4	77.1	72.2	115.5				
8000	92.1	92.9	90.5	89.9	89.9	90.4	87.6	86.6	84.8	84.1	83.5	76.2	121.6				
10000	90.5	90.8	89.9	89.4	89.0	87.6	86.1	84.4	82.9	82.2	81.5	76.4	119.6				
12500	91.3	91.6	90.3	90.0	89.7	88.5	86.6	85.1	84.3	83.0	82.6	77.1	120.0				
16000	90.1	89.6	89.5	88.8	88.8	87.9	86.0	84.3	83.0	81.2	81.8	76.0	120.2				
20000	90.1	89.2	88.9	88.9	88.9	87.0	85.3	84.4	82.4	79.9	81.6	76.5	123.3				
25000	89.4	87.8	87.7	88.5	87.6	85.7	84.3	82.9	80.9	77.8	79.6	75.1	119.7				
31500	86.7	86.1	85.6	85.8	85.6	84.6	82.0	80.9	79.1	76.6	77.7	72.8	118.7				
40000	84.0	83.1	84.4	84.0	83.1	81.6	80.1	78.1	77.5	73.7	74.7	70.9	117.8				
OVERALL MEASURED																	
OVERALL CALCULATED	100.6	101.5	100.9	100.3	100.5	99.4	97.3	96.2	94.5	93.6	92.8	87.7	131.5				
PRED	102.1	114.8	113.7	112.9	113.6	112.3	110.5	109.4	107.7	107.2	105.4	99.7					

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 14/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 54 DAY 0 HR. 0.0

SPL INPUT AT STR	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. TO PERCENT REL. HUM. DATA)																	
	FREQ. (Q.)	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
50	31.7	38.3	42.1	45.6	46.5	47.0	50.5	49.9	50.1	51.2	49.5							
63	35.3	42.2	50.4	53.8	54.9	59.1	62.1	59.3	54.2	54.8	54.1							
SIDELINE 5000 FT?	34.0	40.8	44.2	47.3	48.4	50.9	52.7	51.4	50.8	50.1	48.4							
(152.40 M)	33.6	40.8	44.6	46.5	47.9	47.4	49.5	48.7	47.9	47.0	45.7							
RFA 3589, RPM	33.5	41.0	44.4	47.8	50.3	50.6	51.7	51.4	50.3	48.9	48.4							
( 376, RAD/SEC)	31.1	38.5	41.9	44.4	45.7	47.5	49.4	48.4	47.5	46.6	44.1							
DFK 3575, RPM	30.7	38.2	42.6	46.8	48.3	48.7	48.6	48.3	47.0	44.8	42.8							
( 375, RAD/SEC)	27.2	37.1	42.0	46.2	50.6	52.0	52.4	54.4	50.1	47.7	45.1							
KFD 3244, RPM	32.5	43.5	45.3	54.6	53.3	53.9	54.6	53.1	54.3	53.1	45.8							
( 340, RAD/SEC)	30.0	40.3	46.4	50.9	54.5	54.9	52.9	53.2	53.4	49.7	43.1							
AIRFLOW RATIO	28.4	42.0	43.3	51.5	57.6	56.5	55.7	55.3	58.5	54.3	42.8							
WF/AH 12.60	32.1	40.6	47.6	48.7	51.3	54.2	52.5	52.9	49.4	46.6	43.1							
800	33.9	50.2	55.3	58.8	60.2	60.6	60.9	50.1	59.3	56.8	49.8							
VEHICLE UTHSIN	47.0	58.1	64.0	69.1	70.0	69.0	68.8	67.5	67.3	65.2	57.7							
DCNF1G	32.3	44.1	50.0	54.5	55.8	56.1	55.9	54.9	53.9	51.9	46.3							
LCC SCHENECTADY	33.3	46.2	52.2	56.2	57.9	57.5	58.5	57.2	56.2	54.7	49.1							
DATE 06-02-75	36.9	50.5	56.6	60.5	63.9	62.9	63.1	62.0	61.5	60.7	54.7							
RLN 14/16	32.2	47.1	54.7	59.0	60.8	61.1	60.5	59.8	59.3	58.4	52.6							
TAPE X00050	28.9	45.5	54.0	58.8	60.8	60.9	60.6	60.6	59.5	58.9	52.7							
EAA TIP SPEED	21.8	41.5	50.9	56.5	59.0	59.4	59.0	58.5	57.0	57.3	50.7							
1112, FT/SEC	17.0	39.7	50.2	56.0	57.7	58.3	58.9	57.7	55.3	56.8	50.9							
6300	5.2	33.5	46.6	52.3	54.5	55.7	55.9	54.9	52.0	53.7	46.2							
8000		23.8	38.9	46.9	50.5	51.0	51.7	50.9	48.8	49.6	43.6							
10000		11.8	30.2	39.2	43.5	43.7	45.9	46.6	43.2	43.8	38.8							
OVERALL CALCULATED		49.5	60.7	66.9	71.6	73.2	72.8	73.0	71.9	71.2	64.0							
PND8		56.1	69.6	76.7	81.6	83.8	84.5	84.0	83.4	82.4	73.5							

Run 14/Reading 17

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 62 DAY 8 HR. 0:0  
 F: 70 PERCENT REL. HUM. DAY

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (99, DEC. F: 70 PERCENT REL. HUM. DAY)																PWL
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	
RADIAL 17, FT. ( 9, 4)	50	68.3	67.3	66.1	67.3	69.6	73.6	68.3	66.8	66.1	66.3	69.3	65.8					101.8
	63	73.5	74.0	75.0	75.3	76.3	77.3	75.3	75.0	73.8	76.3	74.8	74.0					109.0
	80	85.6	66.1	65.1	65.4	67.4	68.6	71.9	73.9	73.6	75.6	74.4	72.1					106.3
VEHICLE UTHSIM	100	66.4	64.1	63.4	63.4	59.9	61.2	62.9	65.1	65.6	65.9	67.4	65.6					78.5
DCNF1G	150	73.2	73.7	73.4	71.4	70.4	68.9	69.7	68.9	71.2	71.2	72.7	74.2					105.2
LCC SCHEMESTADY	200	75.5	75.7	76.5	78.2	79.6	78.0	78.5	79.7	75.7	72.5	72.5	72.5					110.7
DATE 06-02-75	250	81.2	81.5	81.2	79.5	79.5	78.7	78.7	79.7	76.2	77.0	75.2	73.0					112.0
RUN 14/17	315	83.8	85.2	83.7	82.5	81.0	79.5	78.2	78.2	77.2	76.2	75.2	73.2					112.7
TAPE X00000	400	82.9	82.9	82.9	81.7	81.9	81.9	79.9	79.1	75.9	76.4	75.1	73.9					113.0
EAR 29.7 HG	500	80.6	80.8	81.0	79.1	77.8	77.1	76.8	76.3	74.1	72.8	72.1	68.6					109.8
(00222, N/M2)	630	83.3	81.2	81.4	79.5	79.2	78.8	77.9	77.7	73.7	71.2	71.5	68.4					110.5
TAPE 021 DEG F	800	79.1	78.8	78.5	79.3	79.3	78.6	78.7	78.3	75.0	73.3	72.8	69.3					110.7
(293, DEG K)	1000	84.0	84.2	83.2	82.0	82.7	79.5	78.2	77.9	75.4	74.2	74.7	70.4					112.4
YNET 581 DEG F	1250	79.4	79.8	80.2	81.6	80.8	80.8	80.7	80.3	77.0	76.8	75.0	68.5					112.6
(283, DEG K)	1600	80.7	80.9	81.6	79.5	83.2	84.4	83.3	82.3	79.6	82.4	78.4	66.9					115.2
WACT 0 GM/H3	2000	82.1	81.0	79.7	80.1	81.1	78.5	79.9	78.7	77.5	73.3	71.7	65.7					111.6
(1 GM/H3)	2500	85.2	84.2	84.4	83.6	83.8	82.2	82.6	80.3	76.7	77.7	75.1	66.9					114.4
NFA 12732 RPM	3150	90.3	92.7	91.4	91.4	88.3	89.0	87.1	87.1	85.2	84.8	82.2	76.5					121.0
(1333, RAD/SEC)	4000	97.5	99.7	99.3	98.9	95.8	94.3	94.8	95.6	94.2	93.5	91.1	87.7					128.8
NFK 12675 RPM	5000	88.5	88.0	87.3	87.1	86.1	84.8	84.5	84.0	81.9	79.7	78.9	72.4					117.4
(1329, RAD/SEC)	6300	90.0	90.0	89.4	89.2	89.4	87.9	85.9	86.5	82.8	81.9	81.4	75.2					119.6
SFD 11517 RPM	8000	93.9	95.2	95.0	95.0	95.1	92.9	91.6	91.3	89.3	87.4	86.0	81.4					125.4
(1206, RAD/SEC)	10000	93.8	93.3	92.4	92.6	92.2	90.8	89.4	89.4	85.9	85.0	84.3	78.1					123.1
NO. OF BLADES 25	12500	94.5	94.3	93.5	94.0	93.0	92.8	92.6	89.6	87.3	85.7	85.5	79.6					124.5
FAN TIP SPEED	16000	94.4	92.5	92.3	93.5	92.3	91.9	89.8	90.3	86.7	84.7	86.5	76.3					124.3
2112. FT/SEC	20000	94.6	92.2	92.2	94.4	92.4	90.8	89.8	90.4	86.4	84.0	87.1	79.5					124.7
	25000	94.4	91.1	91.4	96.8	91.6	89.7	88.0	89.1	84.4	82.8	86.5	77.1					125.1
	31500	92.7	89.4	89.9	95.8	90.1	88.6	85.8	88.1	82.8	81.1	84.7	75.8					124.7
	40000	91.7	86.1	88.1	94.5	87.1	85.9	83.6	85.8	81.5	79.2	84.5	73.9					124.4
OVERALL MEASURED																		
OVERALL CALCULATED		104.7	104.6	104.3	103.6	103.2	102.0	100.8	101.2	98.6	97.5	97.1	91.6					135.5
PWDE		106.3	117.8	127.3	116.9	119.0	113.9	113.7	114.0	112.2	111.4	109.5	105.5					

Run 14/Reading 17

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC: DATE - MONTH 62 MAY 3 HR, 0:9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F, 70 PERCENT REL. HUM, DRY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT 8TH	FREQ. (0, )	(0, 17)	(0, 35)	(0, 52)	(0, 70)	(0, 87)	(1, 05)	(1, 22)	(1, 40)	(1, 57)	(1, 75)	(1, 92)	(0, )	(0, )	(0, )	(0, )	(0, )
50	35.2	42.3	48.9	50.0	49.5	49.5	52.0	51.4	51.3	53.4	52.3						
63	40.6	48.2	52.4	55.8	56.6	58.4	60.4	56.8	53.7	53.6	53.1						
SIDELINE 500 FT (152.43 M)	80	42.5	50.3	53.2	56.0	57.1	58.4	60.2	59.1	58.0	56.1	53.4					
NFA 3586 RPM	100	45.6	52.3	55.8	57.2	57.6	57.6	58.5	58.0	57.1	56.0	53.5					
( 375, RAD/SEC)	125	42.5	51.0	54.6	57.8	59.8	59.1	59.2	56.4	57.1	55.7	53.9					
NFK 3570 RPM	150	39.6	48.5	51.6	53.4	54.7	55.7	56.1	54.4	53.3	52.4	48.4					
( 374, RAD/SEC)	200	39.2	46.4	51.6	54.5	56.1	56.7	57.3	53.8	51.5	51.6	46.0					
NFD 3244 RPM	250	35.9	44.9	51.0	54.2	56.9	57.2	57.6	54.9	53.3	52.7	46.6					
( 340, RAD/SEC)	315	40.5	49.0	53.3	57.3	56.3	56.4	57.1	55.1	54.0	54.4	49.6					
AIRFLCH RATIO	400	35.0	45.3	52.4	55.0	57.3	58.7	58.9	56.4	56.4	54.4	47.4					
WF/WM 12.00	500	35.1	46.0	49.8	57.0	60.6	61.0	61.0	58.8	61.8	57.6	45.5					
630	34.8	43.4	49.9	54.5	54.3	57.2	57.0	56.4	52.4	50.6	44.1						
800	44.4	54.2	60.6	61.3	64.4	64.1	65.2	63.8	63.6	62.8	54.5						
VEHICLE UTHSIM	1000	50.0	61.3	67.5	68.3	69.5	71.5	73.3	72.5	72.0	69.5	65.5					
SCAFIG	1250	36.5	46.3	55.0	58.0	59.3	60.8	61.4	59.9	57.9	56.9	49.8					
LCC SCHENECTADY	1600	36.3	49.2	56.2	60.7	61.9	61.8	63.5	60.4	59.7	59.0	52.1					
DATE 06-02-75	2000	39.2	53.5	61.1	65.7	66.4	66.9	67.8	66.5	64.8	63.2	57.0					
BLN 14/17	2500	34.7	49.6	58.0	62.3	63.3	64.3	65.5	62.8	62.1	61.1	54.3					
TAPE X08000	3150	31.6	48.7	58.0	62.1	63.0	64.9	65.4	63.6	62.3	62.2	55.2					
FAN TIP SPEED	4000	23.8	44.5	55.7	61.0	63.0	63.1	65.0	62.2	60.5	62.0	53.0					
1111, FT/SEC	5000	20.0	43.0	55.7	59.5	61.4	62.5	64.9	61.7	59.6	62.3	53.9					
6300	8.5	37.2	54.8	56.3	53.5	59.5	62.2	58.4	57.0	60.5	50.2						
6900		29.0	48.9	51.2	54.5	54.7	59.0	54.7	53.3	56.6	46.6						
10000		15.6	40.7	43.2	47.8	49.2	54.6	50.6	48.7	53.5	41.8						
OVERALL CALCULATED		54.4	64.8	71.2	73.8	73.4	76.3	77.7	76.1	75.3	74.0	68.6					
PNUB		60.4	73.5	81.8	85.7	87.7	88.1	89.2	87.0	85.8	85.7	78.6					

## Run 14/Reading 18

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (99, DEG, F; 70 PERCENT REL. HUM, DAY)  
PROC. DATE 4 MONTH 09 DAY 0 HR. 0:0

SPL INPUT AT STN	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														PWL		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.		140.	150.
50	86.6	88.1	88.3	88.1	87.6	70.8	73.1	68.8	67.6	67.6	67.3	66.3						102.2
83	71.3	73.5	75.0	75.0	75.3	76.8	74.3	75.3	74.0	76.3	75.9	74.3						105.9
RADIAL 17, FT.	80	63.8	66.6	67.9	67.6	67.6	68.6	71.9	74.4	74.1	75.9	74.9	72.4					105.7
( 5. 4)	100	69.4	69.4	69.4	67.6	64.6	66.4	68.6	71.1	71.9	72.9	73.1	71.1					104.5
VEHICLE UTHSIN	125	80.2	80.2	79.2	76.9	76.9	79.4	73.9	74.2	74.7	74.4	74.9	75.4					109.3
GCNFIG	160	76.6	77.4	77.4	77.4	77.6	76.1	74.4	74.4	73.1	72.1	73.1	72.1					108.5
LCC SCHEMECTADY	200	80.7	83.2	82.7	81.2	81.5	81.7	80.7	81.5	79.2	76.7	75.5	73.2					113.6
DATE 16-02-75	250	88.5	87.5	87.0	85.7	85.0	84.5	84.5	85.2	84.2	83.2	81.2	78.2					117.6
BLK 14/18	315	92.5	92.7	92.5	90.7	89.2	87.3	86.5	85.7	84.2	84.3	82.5	80.2					120.6
TAPE X00000	400	98.2	88.9	88.6	88.2	87.9	86.9	84.9	84.1	81.6	79.9	78.4	76.9					115.3
BAR 29.7 HG	500	87.4	87.6	87.8	86.1	84.6	83.8	82.5	82.1	80.3	78.6	76.3	72.8					119.2
(00292) (1/2)	630	89.5	88.2	87.7	86.7	86.5	85.3	83.9	83.0	79.5	78.5	77.0	73.9					117.8
YAMS 621 DEG F	800	88.3	88.3	87.5	86.8	86.3	85.8	84.2	83.3	80.3	78.5	77.3	73.3					117.1
(290, DEG K)	1000	86.5	86.2	82.9	82.0	82.5	83.0	82.4	80.9	77.9	76.5	73.2	70.2					114.1
YMET 531 DEG F	1250	79.4	82.8	85.0	83.8	81.6	82.3	80.5	79.0	77.0	75.5	73.3	69.3					113.5
(288, DEG K)	1600	82.5	81.9	82.1	81.7	80.2	79.7	78.1	76.3	74.9	73.4	70.4	65.6					111.2
WACT C. GM/H3	2000	83.3	83.3	82.7	82.1	81.1	79.0	78.1	76.4	73.5	71.8	69.7	66.2					111.4
(10 KG/H3)	2500	88.0	87.7	87.6	85.1	83.5	82.0	80.6	78.5	75.7	74.2	71.6	67.4					114.6
SFA 11582, RPM	3150	102.5	99.5	100.9	98.4	100.6	95.8	92.3	90.1	86.9	85.0	86.2	80.0					125.3
(12.1, RAD/SEC)	4000	97.2	95.0	95.3	93.6	94.8	91.0	87.8	85.3	82.4	80.7	80.9	75.2					121.2
WFK 11540, RPM	5000	91.2	91.0	89.8	88.4	86.3	85.3	83.3	81.5	79.6	78.2	75.9	71.4					117.5
(12.0, RAD/SEC)	6300	96.7	98.2	95.2	96.2	97.9	95.7	93.2	90.3	88.1	85.9	85.1	79.2					127.0
SFD 11527, RPM	8000	93.1	94.9	95.0	94.2	95.1	93.1	90.3	88.3	85.5	83.6	82.3	77.2					124.4
(12.6, RAD/SEC)	10000	99.2	97.8	98.9	96.9	97.7	96.3	93.6	92.1	90.2	87.5	85.5	80.9					127.8
NO. OF BLADES, 10	12500	96.0	94.8	95.8	95.7	96.0	93.5	93.1	90.8	88.8	86.5	84.4	79.4					125.5
FAN TIP SPEED	16000	95.1	94.4	95.5	96.5	96.1	93.4	93.6	92.0	90.5	88.2	86.3	80.3					127.5
1011, FT/SEC	20000	94.9	93.6	95.7	97.2	96.1	95.0	93.5	91.6	89.9	86.8	85.6	80.5					127.6
	25000	93.9	93.6	95.2	98.3	95.6	94.2	92.8	90.6	88.2	85.0	83.8	80.4					127.9
	31500	92.2	91.1	93.9	97.3	94.1	92.9	90.5	88.4	86.8	83.9	81.4	77.8					127.3
	40000	89.2	88.4	92.9	98.2	91.4	90.6	88.6	86.6	85.3	82.0	79.0	75.2					127.7
OVERALL MEASURED																		
OVERALL CALCULATED		107.9	106.9	107.7	107.7	107.3	103.5	103.2	101.3	99.3	97.1	95.7	91.4					137.9
PNJB		121.1	119.4	120.1	118.2	119.3	116.0	113.4	111.6	108.9	107.2	107.0	102.0					

Run 14/Reading 18

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 69 DAY 0 HR. 0:0

SPL INPUT AT BTQ	FREQ. (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99% DEG. TO 70 PERCENT REL. HUM. DAYS)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
50	39.9	47.6	51.9	54.8	59.0	54.5	55.3	54.4	53.6	54.4	53.0				
63	45.1	52.4	55.4	58.3	60.4	60.6	62.1	63.3	63.0	66.6	53.9				
SIDELINE 500 FT (152.40 M)	80	48.5	56.1	59.5	61.5	62.9	64.1	65.7	65.1	64.3	62.1	58.7			
SFA 3262 RPM	100	53.1	61.1	64.1	65.5	65.4	63.4	66.0	65.0	64.9	63.2	60.5			
( 342, RAD/SEC)	125	48.5	56.7	61.1	63.8	64.8	64.1	64.2	62.2	60.6	58.9	56.9			
SFK 3253 RPM	150	46.4	55.3	58.6	60.4	61.4	61.5	61.9	60.6	57.3	56.6	52.6			
( 341, RAD/SEC)	200	46.2	54.7	58.9	61.3	62.6	62.7	62.6	59.6	53.7	57.1	33.5			
NFD 3244 RPM	250	45.4	53.9	58.5	61.2	62.9	62.7	62.6	60.1	58.4	57.2	52.6			
( 340, RAD/SEC)	315	42.5	48.7	53.3	57.1	59.8	60.6	60.1	57.6	56.3	52.9	49.3			
AIRFLCH RATIO	400	36.0	50.1	54.6	56.0	58.8	58.4	57.9	56.4	55.1	52.7	46.1			
W/P/M 12.60	500	36.1	46.5	52.0	54.0	55.8	55.7	55.3	54.1	52.3	49.6	44.3			
VEHICLE UTHSIN	600	36.3	46.4	51.9	54.5	54.8	55.5	54.8	52.4	50.9	48.6	44.6			
GCNFIG	800	39.4	50.4	54.2	56.5	57.4	57.6	56.9	54.3	53.0	50.3	45.5			
LCC SCHEMECTADY	1000	49.7	62.8	66.9	73.8	70.8	69.0	67.8	65.2	63.5	64.5	57.7			
DATE 06-02-75	1250	43.5	55.3	61.5	66.6	65.6	64.1	62.7	61.4	58.9	55.9	52.6			
RLN 14/16	1600	36.5	49.5	55.4	57.6	59.0	59.0	58.4	57.2	56.0	53.4	48.3			
TAPE X00060	2000	42.1	56.5	62.2	68.4	69.0	68.4	66.7	65.2	63.2	62.2	55.6			
EAM TIP SPEED	2500	36.2	52.1	59.5	65.0	66.0	65.1	64.3	62.2	60.6	59.0	53.2			
3011. FT/SEC	3150	34.9	53.9	60.7	66.6	68.3	67.7	67.5	66.3	63.8	61.6	56.3			
OVERALL CALCULATED	4000	25.7	47.7	57.5	63.3	66.3	66.1	65.2	63.9	61.9	59.5	53.7			
PNEB	5000	21.8	45.9	57.4	62.7	66.6	66.1	66.0	65.3	63.3	61.1	54.3			
	6000	18.7	40.9	54.6	60.2	63.2	64.3	64.1	63.2	60.4	58.9	52.9			
	8000	32.4	53.5	55.7	59.2	60.8	60.5	59.1	56.6	54.7	50.3				
	10000	20.0	42.2	48.8	53.4	54.7	54.9	54.5	52.0	49.2	44.2				
		58.4	68.5	73.1	77.8	78.1	77.6	77.2	75.7	74.1	72.7	66.0			
		62.6	77.1	84.0	89.2	90.8	90.4	90.0	88.6	86.5	84.6	79.1			



## Run 14/Reading 19

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59, DEG. F, 70 PERCENT REL. HUM., DAY)													PROC. DATE - MONTH 76 DAY 9 HR. 0:0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
SPL INPUT AT STU		0,	10,	20,	30,	40,	50,	60,	70,	80,	90,	100,	110,	0,	0,	0,	0,	0,	0,	PWL
FREQ. (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110)		(0,17)	(0,35)	(0,52)	(0,70)	(0,87)	(1,05)	(1,22)	(1,40)	(1,57)	(1,75)	(1,92)	(2,10)	(0,	(0,	(0,	(0,	(0,	(0,	
	50	64,8	64,8	64,6	64,3	65,6	66,6	65,1	64,8	64,3	66,1	65,1	64,3							99,8
	63	70,0	73,0	74,3	74,5	75,8	76,3	74,0	74,5	73,8	76,3	75,0	73,5							108,6
RADIAL 17, FT.	80	85,6	85,6	84,9	84,4	86,6	87,6	72,6	73,4	72,6	74,4	73,4	71,4							109,4
( 9, 4)	100	85,4	81,9	81,9	80,2	88,7	89,4	61,4	62,4	63,2	63,7	84,1	63,4							96,1
VEHICLE	125	70,7	70,7	71,4	69,7	67,4	65,9	68,7	65,9	68,9	66,2	71,2	72,4							103,2
UTHSIM	160	71,9	70,1	69,1	68,4	69,4	69,4	67,4	69,6	66,6	68,4	70,1	69,4							102,7
LCC SCHENECTADY	200	72,7	73,7	73,7	72,2	72,0	72,5	72,7	73,2	70,7	67,7	67,2	65,7							104,9
DATE 16-02-75	230	77,5	77,0	77,0	75,5	75,0	75,0	75,2	75,5	74,0	73,0	72,2	70,0							103,0
RLN 14/19	315	79,0	80,0	79,0	77,5	76,0	74,3	73,5	73,0	71,7	71,5	70,2	68,2							107,6
TAPE	400	77,7	77,9	77,4	77,7	77,1	76,9	75,6	75,4	72,6	71,4	70,2	69,6							108,5
X00000	500	76,1	76,1	75,8	74,6	73,6	73,1	73,0	73,3	71,3	69,3	65,3	65,6							105,9
29,7 HG	630	75,8	75,0	75,2	74,7	75,2	75,5	74,2	73,5	70,2	69,3	68,5	66,4							106,5
(30292, N/42)	800	76,6	75,5	75,7	75,0	75,8	78,6	75,5	75,0	72,3	71,3	66,8	66,6							107,4
63, DEG F	1000	80,8	80,4	78,4	78,0	79,5	78,8	77,7	76,7	73,9	72,0	70,0	65,2							108,9
(290, DEG K)	1250	79,4	78,3	79,3	78,6	77,8	77,6	75,5	75,0	72,0	69,5	67,0	63,8							108,5
88, DEG F	1600	80,0	77,1	76,6	76,2	76,4	75,2	74,1	72,6	71,9	69,7	66,1	62,1							106,9
(280, DEG K)	2000	80,3	79,0	77,7	77,6	77,6	77,3	77,4	74,9	72,2	71,0	67,7	64,0							108,7
FACT C, GM/H3	2500	82,2	85,2	85,1	83,1	83,5	81,5	79,8	76,3	76,4	75,7	71,6	67,4							109,6
(1, KG/H3)	3150	97,3	94,5	98,4	95,9	96,8	94,3	94,3	92,4	93,2	92,0	86,9	80,7							107,0
SFA 11582, RPM	4000	92,0	89,5	93,1	90,9	91,8	89,3	89,3	87,6	85,7	86,7	81,9	75,7							102,1
(1211, RAD/SEC)	5000	87,5	86,7	85,6	84,9	84,6	83,8	82,5	81,5	79,6	77,7	75,6	69,9							115,8
NFK 11516, RPM	6300	91,7	92,2	91,7	92,2	90,4	91,4	88,7	86,8	85,1	84,4	83,1	76,2							120,3
(1230, RAD/SEC)	8000	91,6	91,9	91,5	91,7	91,4	90,6	87,8	87,1	84,8	83,1	81,8	76,4							121,7
NFD 11517, RPM	10000	95,0	95,3	94,9	95,1	94,0	92,8	91,1	89,4	88,2	86,2	83,0	79,6							124,9
(1204, RAD/SEC)	12500	94,6	93,6	93,3	93,7	92,7	92,3	90,1	87,3	87,0	85,3	84,1	79,1							123,6
KC, OF BLADES 18	16000	93,9	91,9	92,0	93,0	92,3	91,6	89,6	87,5	86,7	84,2	84,3	79,3							123,8
EAN TIP SPEED	20000	94,4	91,2	91,4	95,2	91,9	90,5	89,5	87,6	85,7	82,8	83,5	79,7							124,0
1011, FT/SEC	25000	93,7	93,1	93,2	94,6	90,3	89,4	87,3	85,6	83,9	81,3	81,3	75,9							123,5
	31500	92,4	87,6	88,4	92,1	88,6	87,9	85,0	83,4	81,8	79,4	76,9	76,5							122,3
	40000	92,0	84,9	86,9	89,5	86,6	84,4	83,1	80,8	80,3	77,0	76,7	74,4							121,3
OVERALL MEASURED																				
OVERALL CALCULATED		104,5	102,8	103,7	104,2	102,9	101,7	100,3	98,5	96,9	66,4	94,1	89,4							104,3
PWDB		103,7	104,1	106,3	104,6	105,0	103,2	102,7	101,1	109,1	109,8	105,9	100,6							

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 14/Reading 19

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 76 DAY 3 HR. 0:9

SPL INPUT AT STU	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90, DEG, F, 70 PERCENT REL, HUM, DAY)															
	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ, (0. )	0. )	10. )	20. )	30. )	40. )	50. )	60. )	70. )	80. )	90. )	100. )	110. )	120. )	130. )	140. )	150. )
50	32.7	39.3	42.9	46.5	47.3	47.5	50.5	49.9	49.8	51.4	53.3					
63	35.6	43.4	46.4	48.8	51.1	52.5	53.9	51.8	49.9	48.3	45.4					
SIDELINE 500, FT	38.0	46.1	49.2	51.5	53.4	54.9	55.9	54.9	54.0	53.1	50.4					
(192.40 M)	40.4	47.6	50.8	52.2	52.4	52.9	53.2	52.5	52.4	51.0	48.5					
BFA 3282, RPM	37.5	45.5	50.6	53.1	54.8	54.8	55.4	53.2	52.1	50.7	49.7					
( 342, RAD/SEC)	34.9	43.3	47.1	49.4	50.7	52.5	53.1	51.6	49.8	48.6	45.4					
BPK 3250, RPM	33.5	42.2	46.9	50.5	52.8	52.9	53.1	50.3	49.7	48.6	46.0					
( 340, RAD/SEC)	32.7	42.1	46.8	50.7	52.6	54.8	54.4	52.1	51.3	48.7	46.1					
BFD 3244, RPM	36.7	44.2	49.3	54.1	55.5	55.9	55.6	53.6	51.8	49.6	44.3					
( 340, RAD/SEC)	34.5	44.1	49.4	52.6	54.0	53.4	53.9	51.4	49.1	46.4	42.5					
AIRFLCH RATIO	31.4	41.0	46.5	50.3	51.3	51.7	51.2	51.1	49.8	45.3	40.5					
W/F/M 12.60	32.1	41.4	47.4	51.0	53.1	54.7	53.3	51.1	50.1	48.6	42.3					
VEHICLE UTMSH	36.9	47.9	52.2	56.5	56.9	56.8	57.4	55.0	54.5	50.3	45.5					
1000	44.7	60.3	64.4	69.3	69.3	71.0	70.1	65.9	70.5	65.2	58.4					
CCNF1G	38.0	54.0	58.6	63.8	64.3	65.6	64.9	63.6	64.9	59.9	53.1					
LCC SCHENECTADY	33.0	45.2	51.9	55.8	57.7	58.3	58.4	57.2	55.5	53.1	46.8					
DATE 16-02-75	36.1	50.0	56.2	60.9	64.8	63.9	63.2	62.2	61.7	58.2	52.6					
RLN 14/19	33.2	48.6	57.0	60.3	63.5	62.6	63.1	61.5	60.1	58.5	52.5					
YAPE X09060	32.4	49.9	56.9	62.9	64.8	65.2	64.7	64.3	62.6	61.1	55.0					
PAN TIP SPEED	24.4	45.2	55.5	60.1	63.0	63.1	62.2	62.2	60.4	59.3	53.5					
1031, FT/SRC	19.3	42.4	54.6	59.0	61.9	62.1	61.5	61.5	59.3	59.1	53.3					
6300	8.0	36.6	52.6	56.0	58.7	59.8	60.1	59.0	56.4	56.9	52.1					
8000		27.4	47.0	50.5	54.4	55.3	55.5	54.9	52.5	52.2	48.8					
10000		14.5	37.0	43.5	48.4	49.2	49.9	49.5	47.5	46.7	43.0					
OVERALL CALCULATED	49.8	63.1	68.7	73.0	74.4	75.1	74.6	73.5	73.7	70.5	64.7					
PNDB	56.3	72.1	80.7	84.7	86.8	87.2	86.9	86.1	84.7	83.0	77.2					

## Run 14/Reading 20

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 82 DAY 8 HR. 8:0

SPL INPUT AT STD	FREQ. (C)	MODEL SOUND PRESSURE LEVELS (59, DEG. F. 70 PERCENT RH, NUM. DAY)										PWL					
		0	10	20	30	40	50	60	70	80	90		100	110			
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)
50	66.1	66.6	66.1	66.8	67.3	70.1	66.8	66.1	66.1	67.3	66.3	65.1					101.3
63	71.0	72.8	73.5	74.8	75.0	74.8	72.5	73.5	73.5	76.5	75.5	74.0					105.2
RADIAL 17 FT.	60	63.3	66.1	64.9	65.6	67.9	67.9	71.9	73.4	73.4	75.1	74.4	71.9				106.1
VEHICLE (S, 4)	100	68.4	68.4	67.4	64.9	64.4	64.4	67.4	70.1	70.6	71.6	71.9	69.9				103.2
UTHSIM	129	78.2	77.9	76.9	74.4	74.9	73.2	72.4	72.2	72.4	71.9	73.2	74.2				107.3
CCNFIG	160	78.9	75.8	75.6	75.9	75.9	74.6	72.4	73.1	71.4	69.6	71.1	70.1				106.8
LCC SCHENECTADY	250	73.2	80.5	80.5	79.0	78.5	78.5	78.0	78.5	78.0	73.5	72.0	69.7				100.6
DATE 14-02-75	250	85.2	84.2	83.7	82.3	82.0	81.5	81.7	82.2	80.7	79.7	78.5	75.0				104.7
SLA 14/20	319	69.0	69.5	68.7	67.0	65.7	63.5	62.7	62.5	61.2	60.5	79.5	77.2				107.1
TYPE X00000	400	84.7	84.9	84.9	84.2	83.6	82.4	80.9	79.5	78.6	75.4	73.6	72.1				104.1
BAR 29.7 HG	500	84.9	85.3	84.3	83.5	82.3	80.3	78.5	78.3	77.1	75.3	73.6	71.1				103.1
100092, 1/2	630	89.8	89.7	89.2	88.0	87.0	85.5	83.7	83.0	79.5	77.7	76.2	73.2				107.5
YAMS 63 DEG F	800	88.6	83.0	82.0	81.5	81.5	81.5	81.5	81.5	79.3	77.0	75.0	71.3				107.1
(290) DEG K	1000	86.3	86.2	85.2	83.5	82.7	81.3	79.9	78.4	75.9	74.0	71.5	67.4				103.4
YMET 50 DEG F	2250	82.4	83.3	83.0	81.1	81.3	78.1	74.5	75.0	73.0	73.8	67.8	63.3				108.6
(286) DEG K	1600	79.0	78.6	79.1	77.2	76.7	74.2	72.6	71.3	69.1	68.4	64.6	61.4				105.8
FACT 0 GM/M3	2000	79.6	81.3	81.7	80.4	78.3	76.5	74.6	73.2	71.3	68.5	66.0	63.2				106.0
1 GM/M3	2000	94.5	93.9	93.6	92.1	91.6	90.2	89.1	87.3	84.2	82.2	75.1	70.7				102.1
AFA 5-72 RPM	3150	92.8	92.2	92.6	91.3	89.3	88.8	85.1	81.9	80.3	77.2	73.5	70.3				100.3
1 9-11 RAD/SEC	4000	84.7	84.0	84.1	82.6	82.1	79.9	77.0	74.8	71.7	70.5	65.6	64.7				101.7
NFK 5216 RPM	5000	90.0	91.7	89.3	88.6	85.1	86.0	83.3	80.3	77.6	75.5	73.9	70.2				107.8
(927) RAD/SEC	6330	93.0	92.5	91.2	89.9	86.6	87.2	84.2	81.3	77.8	75.9	74.9	71.7				108.6
BFD 11517 RPM	8000	92.16	91.4	91.8	92.0	91.6	90.6	88.3	85.1	81.8	78.6	77.5	74.7				101.8
(1206) RAD/SEC	10000	91.0	92.1	92.4	92.6	92.2	91.0	88.6	85.4	82.4	79.5	78.0	74.4				102.2
NO. OF BLADES 10	12500	91.3	91.3	91.8	92.7	93.2	92.5	90.3	88.1	85.3	81.5	79.4	74.6				103.4
FAN TIP SPEED	15000	89.9	89.1	90.3	91.3	92.3	92.1	90.3	87.8	85.7	81.5	79.0	74.0				100.1
ES9. FT/SEC	20000	87.2	87.1	88.2	90.8	91.1	89.2	87.0	84.9	82.2	76.3	73.6	69.6				101.6
	31500	84.9	84.9	86.4	88.8	87.6	87.1	84.5	82.4	79.3	74.1	71.2	65.5				100.3
	40000	83.5	82.1	84.4	88.0	85.9	84.4	82.6	80.6	78.3	71.5	69.0	63.7				100.9
OVERALL MEASURED																	
OVERALL CALCULATED		102.6	102.5	102.8	102.8	102.3	101.2	99.3	97.3	94.6	91.8	90.1	86.9				100.8
PNDP		114.9	114.8	115.0	113.2	112.8	111.2	109.7	108.1	105.2	103.4	101.1	97.9				

Run 14/Reading 20

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - MONTH 52 DAY 0 HR: 0:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM, DAY)											ANGLES FROM INLET IN DEGREES (AND RADIANS)				
	0	10	20	30	40	50	60	70	80	90	100	110	0	0	0	0
FREQ. (0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0)	(0)	(0)	(0)	(0)
30	33.2	45.5	50.4	53.0	53.5	52.5	54.0	52.7	51.1	52.4	51.0					
63	42.3	50.2	53.1	55.3	57.1	57.9	59.1	57.1	54.7	53.1	50.4					
SIDELINE 500 FT (192.43 M)	45.3	52.8	56.2	58.5	59.9	61.4	62.7	61.6	60.8	59.4	55.4					
NFA (273, RAD/SEC)	49.9	57.3	60.3	62.0	61.6	62.1	62.7	62.0	61.4	60.2	57.5					
123	44.5	53.0	57.1	59.6	60.3	60.1	59.7	57.2	56.1	54.2	52.2					
150	44.1	51.8	56.1	57.9	57.9	58.5	58.1	57.4	55.8	51.9	49.9					
DFK 2602, RPM	47.7	50.2	50.1	62.3	62.8	62.4	62.8	59.6	58.0	56.3	52.8					
(272, RAD/SEC)	45.2	54.4	59.3	62.5	62.6	62.2	61.1	59.1	57.1	54.9	50.6					
NFD 3244, RPM	42.5	51.0	54.8	57.3	58.0	58.1	57.5	55.6	53.8	51.1	49.6					
(340, RAD/SEC)	38.5	48.1	51.9	54.5	54.5	54.4	53.9	52.4	51.4	47.2	42.1					
AIRFLOW RATIO	32.9	43.5	47.5	50.5	50.5	50.5	50.0	48.3	47.5	43.3	40.0					
WF/AM 12.60	630	33.3	45.4	50.1	51.7	52.3	52.3	51.5	49.9	47.6	44.9	41.6				
800	45.8	57.4	61.2	64.7	65.6	66.1	65.4	62.8	61.0	57.8	53.7					
VEHICLE UTHSIN 1000	42.5	54.6	58.2	62.6	63.3	63.5	62.8	60.2	58.7	55.5	51.2					
CONFIG 1200	32.5	45.0	50.5	54.0	54.1	53.3	52.2	49.6	48.7	46.6	42.1					
LCC SCHEMECTADY 1600	37.8	49.0	55.5	59.3	60.0	59.0	57.4	55.2	53.2	51.4	47.1					
DATE 06-22-75 2000	34.4	48.5	56.0	59.2	60.5	59.4	57.9	54.9	53.2	52.0	48.1					
RUN 14/23 2500	32.7	48.8	57.2	61.5	63.5	63.1	62.1	58.5	55.6	54.3	50.7					
TAPE X00000 3150	29.2	47.4	56.4	61.1	63.1	62.7	61.7	58.5	55.8	54.1	49.8					
PAN TIP SPEED 4000	22.2	43.7	54.5	60.6	63.3	63.3	62.4	60.4	56.9	54.5	49.0					
809, FT/SEC 5000	16.5	40.6	52.1	59.0	62.4	62.9	61.8	60.5	56.6	53.8	49.0					
6300	5.2	34.6	48.6	55.0	58.4	59.3	58.8	57.2	51.6	49.9	44.4					
8000		25.4	43.0	50.2	54.2	55.1	54.8	53.1	47.5	44.7	39.5					
10000		12.5	33.7	42.3	47.7	48.7	48.9	47.0	42.2	38.9	32.0					
OVERALL CALCULATED		56.0	65.3	69.8	73.2	74.3	74.4	73.9	71.9	69.9	68.3	64.3				
PNWB		58.9	72.6	80.2	84.6	86.5	86.5	85.7	83.9	80.5	78.2	73.6				



Run 14/Reading 21

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE = MONTH 00 DAY 0 HR. 00

SPL INPUT AT STD	FREQ. (0.)	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
50	(0.17)	37.2	44.6	49.4	52.3	52.3	51.5	53.3	51.9	50.8	51.7	50.3					
SIDELINE 5000 FT	80	41.3	49.2	51.9	54.8	56.6	58.9	58.5	55.6	54.0	52.3	49.9					
(152.43 M)	100	45.0	52.3	55.5	58.0	59.1	60.4	61.9	60.9	60.3	58.9	54.9					
RFA 2513, RPM	125	48.6	56.3	59.6	61.7	60.6	60.9	61.7	60.5	60.4	58.7	56.5					
( 274, RAD/SEC)	150	43.3	52.0	56.1	59.1	59.5	59.3	58.7	58.9	55.5	53.7	51.2					
SFK 2803, RPM	200	42.4	51.0	54.6	56.9	57.2	57.2	57.4	55.9	54.8	52.6	49.1					
( 273, RAD/SEC)	250	45.7	54.7	57.9	61.0	61.3	60.8	60.3	58.3	56.7	55.3	51.5					
RFD 3244, RPM	315	43.7	53.1	58.0	60.5	61.6	61.0	60.4	58.6	56.6	54.2	49.9					
( 340, RAD/SEC)	400	41.7	49.5	53.5	56.1	57.0	57.4	57.1	55.6	52.6	50.1	45.8					
AIRFLW RATIO	500	37.3	47.3	50.9	53.3	54.0	53.4	53.9	51.9	51.1	45.9	41.6					
W/WP 12.90	600	32.6	43.8	47.8	50.0	50.6	50.7	50.2	48.3	47.5	44.3	40.3					
VEHICLE UTHSIN	800	32.8	44.9	50.6	52.0	51.8	52.5	51.5	50.2	48.4	45.4	41.6					
GCNFIS	1000	45.4	57.4	62.7	65.7	65.1	69.1	67.4	64.8	63.5	59.5	54.7					
LCC SCHEVECTADY	1250	42.5	54.6	60.2	62.5	63.3	66.7	65.2	62.0	60.5	57.2	52.7					
DATE 05-02-75	1600	32.5	45.0	50.3	53.3	54.3	53.1	52.4	50.4	48.9	45.6	42.1					
BLN 14/21	2000	36.5	49.2	55.9	59.1	60.0	59.0	58.2	56.4	53.7	51.6	48.8					
TAPE X00060	2500	34.4	46.6	56.0	58.7	60.5	59.4	58.4	55.7	53.9	52.2	47.9					
FAN TIP SPEED	3150	34.0	49.3	58.0	62.3	64.5	63.1	62.8	59.2	57.1	55.5	51.0					
210, FT/SEC	4000	29.9	47.9	56.4	61.6	63.1	63.2	62.0	59.0	56.5	54.1	49.8					
OVERALL CALCULATED	5000	22.4	43.7	54.0	60.6	63.0	63.3	61.9	60.9	57.4	54.5	49.2					
PND8	5300	17.3	40.6	52.1	59.2	62.4	63.1	62.0	61.5	57.3	54.3	48.8					
	6000	5.5	33.9	48.1	55.2	58.4	59.6	58.8	57.7	53.1	49.9	44.9					
	8000		25.1	42.0	50.2	53.9	53.3	55.0	53.1	48.5	45.0	41.0					
	10000		11.8	31.5	42.3	47.2	48.5	48.6	46.8	43.2	37.9	32.2					
		54.9	64.6	69.7	72.6	74.3	75.1	74.3	72.2	70.3	67.9	64.0					
		58.5	72.6	80.3	84.7	86.4	86.6	85.7	84.0	81.1	78.3	73.7					



ORIGINAL PAGE IS  
OF POOR QUALITY

Run 19/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = NOV- 51 DAY 3 HR: 22:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50' DIST. F. 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD

	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	0.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
FREQ. 50	34.9	44.3	49.9	53.0	53.0	52.0	52.3	51.9	50.8	49.7	49.5	49.1	48.7	48.5
SIDELINE 500' FT. 53	41.1	49.4	52.6	54.8	56.6	56.6	56.9	57.4	56.1	53.2	51.3	50.1	49.4	49.1
(132.40 M) 100	47.3	51.1	55.2	56.0	59.9	61.4	61.7	61.4	60.5	57.9	55.9	54.7	54.0	53.8
NFA 2272 RPM 125	47.6	55.3	55.6	60.0	59.9	59.6	61.5	61.7	60.9	58.7	57.0	55.4	54.4	54.4
( 233 RAD/SEC) 150	41.1	49.6	54.6	56.4	57.7	58.5	57.6	57.1	55.0	52.9	50.4	49.1	48.4	48.4
NFK 2270 RPM 200	43.2	53.7	58.4	60.8	62.1	62.4	62.6	61.3	59.2	56.3	54.8	53.4	52.8	52.8
( 233 RAD/SEC) 250	43.9	52.9	58.3	61.2	61.9	62.0	61.6	61.1	58.6	55.4	52.9	51.4	50.9	50.9
NFD 3244 RPM 315	42.0	50.0	54.5	56.6	57.0	57.6	57.6	57.4	55.3	52.1	49.1	47.6	47.1	47.1
( 340 RAD/SEC) 400	37.5	46.6	51.9	52.0	55.0	54.4	54.1	53.7	51.9	47.9	44.9	42.6	42.6	42.6
AIRFLOW 141G 500	37.0	49.1	54.9	55.2	58.7	57.6	58.8	54.7	53.1	49.4	44.9	42.6	42.6	42.6
AF/PM 12.60 630	43.0	61.5	67.1	65.5	68.8	70.2	68.2	67.6	65.1	61.8	58.3	55.3	53.3	53.3
600	34.4	46.0	51.6	53.0	54.4	53.9	52.7	51.3	50.6	46.8	42.3	38.8	38.8	38.8
VEHICLE UTASIN 1800	34.2	46.3	52.5	53.8	55.3	54.5	53.3	52.0	51.3	47.7	44.0	40.0	40.0	40.0
CONTS 1250	41.1	51.6	61.3	62.5	62.3	61.6	61.2	59.9	58.4	54.9	50.4	46.4	46.4	46.4
LOC SCHENECTADY 1500	35.6	51.7	57.7	59.7	60.9	60.0	59.2	58.4	56.4	52.2	47.4	43.4	43.4	43.4
DATE 3-9-73 2000	35.4	50.5	59.1	62.7	63.6	63.1	62.1	61.0	59.3	57.5	52.5	48.5	48.5	48.5
RUN 19/4 2500	34.5	49.6	58.7	63.5	64.5	65.1	63.5	62.6	60.6	56.9	52.3	48.3	48.3	48.3
TAPE X03070 3150	27.1	45.2	55.8	61.3	63.3	63.4	61.1	61.3	59.5	57.4	51.4	47.4	47.4	47.4
FAN TIP SPEED 4000	16.5	41.8	52.2	59.0	62.0	62.4	60.7	60.0	57.5	55.5	50.1	46.1	46.1	46.1
704. FT/SEC 5000	14.1	38.7	50.7	57.0	59.4	59.8	59.1	57.9	54.3	52.6	45.9	42.9	42.9	42.9
6300	3.2	32.2	47.3	53.1	56.5	57.2	56.4	54.6	51.5	50.0	45.2	41.2	41.2	41.2
3000		23.3	39.7	43.4	52.0	52.5	51.7	50.7	47.3	46.4	41.4	37.4	37.4	37.4
10000		11.8	32.0	41.4	46.9	48.2	47.6	47.1	43.2	40.3	35.3	31.3	31.3	31.3
OVERALL CALCULATED	24.8	65.5	71.3	73.1	74.8	75.3	74.2	73.4	71.5	68.6	65.7	62.7	62.7	62.7
PND8	59.5	73.5	81.1	85.1	88.8	87.0	85.6	84.8	82.7	80.5	78.9	76.9	76.9	76.9



Run 19/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND

PRESSURE LEVELS (59) ANGLES FROM INLET IN DEGREES (AND RADIANS)

PROC. DATE = MONTH 61 DAY 0 HR: 01:0

SEC 70 PERCENT REL. HUM. DAY

SPL INPUT AT STD	FREQ.	ANGLE (DEG)												PWL
		0	10	20	30	40	50	60	70	80	90	100	110	
50	67.8	66.1	67.1	68.6	70.1	70.6	69.8	67.8	66.6	68.1	67.3	65.6	103.5	
63	73.5	71.8	72.8	75.0	75.8	74.5	70.8	71.3	72.3	76.5	74.0	72.3	107.4	
RADIAL 17. FT. (5.3 M)	80	64.6	68.1	67.4	67.4	67.4	66.9	71.4	72.6	73.1	75.1	71.6	105.6	
VEHICLE UTHSIM	100	67.4	67.1	65.1	64.9	63.4	64.9	67.6	69.9	71.8	72.1	71.8	103.4	
CONFIG	125	77.7	77.4	75.9	74.7	74.4	72.9	71.2	71.2	71.7	71.4	72.2	106.5	
LCC SCHEMESTADY	160	77.6	75.9	75.1	76.1	76.4	75.1	72.6	72.4	72.1	71.1	70.9	107.8	
DATE 06-09-75	200	77.7	79.7	80.8	78.5	78.5	76.5	77.5	77.5	75.7	73.0	71.2	115.2	
RUN 19/3	250	64.5	53.5	83.2	83.0	82.5	82.5	82.5	82.5	81.7	80.2	76.2	115.1	
TAPE X00070	315	89.0	89.0	89.0	87.0	86.0	83.8	82.7	83.2	82.5	81.2	79.2	117.2	
BAR 29.0 HG	400	85.4	84.1	84.6	84.9	84.6	83.2	81.4	79.9	77.6	76.4	74.4	114.5	
(00630) N/M2	500	83.6	83.3	83.0	82.8	81.3	81.1	81.0	79.3	77.5	75.6	73.1	111.1	
TAYS 57 DEG F	600	87.5	87.2	86.9	86.2	85.7	85.0	84.2	83.2	81.2	79.5	76.7	114.8	
(267) DEG K	800	87.5	86.2	83.9	82.2	81.5	80.5	79.9	79.4	78.9	78.0	76.0	116.7	
THET 501 DEG F	1000	82.4	82.1	82.5	81.3	80.3	79.6	77.0	76.5	75.5	73.5	69.8	113.2	
(281) DEG K	1250	79.2	77.9	75.1	79.0	77.9	76.4	74.8	72.8	71.2	67.4	63.6	111.0	
NACT 6 GM/M3	1600	79.8	79.3	79.9	80.1	79.3	77.8	76.1	74.2	72.7	71.5	68.2	108.1	
( ) KG/M3	2000	95.7	95.7	96.4	93.6	93.0	93.0	91.3	88.8	87.9	86.7	84.6	109.4	
NFA 890 RPM	2500	89.0	86.7	86.4	87.1	85.6	85.3	83.8	81.4	80.4	79.0	74.7	124.3	
( 941) RAD/SEC	3150	85.5	84.2	84.1	83.1	81.1	79.3	77.3	75.1	74.7	73.2	73.9	117.5	
NFA 900 RPM	4000	94.0	92.7	91.1	91.9	90.1	89.9	85.8	84.0	83.6	83.0	83.1	111.5	
( 943) RAD/SEC	5000	90.7	90.2	90.2	89.9	86.4	84.4	83.4	81.8	80.8	79.9	78.4	124.8	
NFD 1150 RPM	5300	93.4	93.2	94.3	93.7	93.6	91.6	85.3	86.5	85.3	84.4	82.5	116.7	
(1204) RAD/SEC	8000	93.7	93.3	93.9	94.4	93.5	91.8	89.6	87.1	85.2	83.7	83.3	123.5	
NC OF BLADES 10	10000	91.5	91.0	92.0	94.0	93.5	92.8	91.1	87.6	84.3	84.0	82.9	123.5	
FAN TIP SPEED 20000	12500	98.4	97.1	91.0	92.0	92.8	92.5	90.8	87.5	86.2	83.9	82.0	124.0	
734. FT/SEC	15000	90.1	89.2	88.9	92.2	91.9	91.3	89.5	87.6	85.7	81.5	80.6	123.7	
	20000	85.4	86.1	86.9	91.3	91.1	93.2	86.3	86.1	84.2	80.3	76.7	122.7	
	31500	85.7	86.4	86.9	89.1	89.6	89.6	86.3	83.9	82.1	78.9	75.7	121.5	
	40000	85.7	84.4	86.9	87.7	88.1	86.9	84.9	82.8	81.3	78.0	74.0	121.0	
OVERALL MEASURED		103.5	103.0	103.3	103.4	102.9	102.0	100.1	97.9	96.6	94.7	92.5	99.2	
OVERALL CALCULATED		115.8	115.4	115.7	114.2	113.3	112.7	110.9	109.0	108.0	106.8	103.2	99.8	

Run 19/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 61 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' DEG. F, 70 PERCENT REL. HUM, DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (0.)	0. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
50	35.4	45.3	50.6	53.5	54.0	52.7	53.3	53.4	52.6	52.2	51.3						
63	41.6	49.7	52.6	55.3	57.1	57.4	58.1	56.8	54.2	52.3	50.9						
SIDELINE 500' FT. (152.40 M)	44.5	52.3	56.7	59.0	60.9	62.1	62.9	62.6	61.3	59.1	56.4						
NFA 253 RPM (205 RAD/SEC)	49.4	55.6	60.3	62.2	61.9	62.1	63.5	63.2	62.1	60.0	58.5						
NFK 253 RPM (205 RAD/SEC)	43.8	52.7	57.9	60.6	61.0	60.6	59.9	58.2	57.1	54.9	53.4						
NFD 324 RPM (340 RAD/SEC)	45.2	53.9	58.4	61.0	62.3	62.9	62.8	61.3	59.7	56.8	54.5						
AIRFLOW 1ATIC WF/W4 12.60	44.4	53.1	58.5	60.7	62.1	62.5	62.4	61.4	59.6	56.2	52.9						
VEHICLE UTNSIM CONFIG	42.5	49.7	53.5	56.1	57.5	58.1	58.6	58.8	55.8	51.6	48.8						
LDC SCHNECTADY DATE 06-09-75	37.3	47.6	52.1	54.5	55.0	54.9	55.4	54.9	53.1	49.2	45.1						
RUN 19/2	32.1	42.5	47.3	51.8	52.6	52.5	51.5	51.3	50.5	48.6	42.3						
TAPE X01070	32.3	43.6	47.9	52.7	53.6	53.5	52.5	51.6	50.6	47.1	42.8						
FAN TIP SPEED 784 FT/SEC	47.4	59.2	63.0	66.0	68.4	68.3	66.9	66.5	65.5	60.3	56.0						
8000	39.0	51.3	55.7	58.0	60.3	60.5	59.1	58.7	57.5	53.0	48.4						
10000	32.0	43.0	51.0	53.0	53.0	53.6	52.4	52.6	51.4	43.9	44.1						
OVERALL CALCULATED	39.0	50.7	53.9	61.3	63.7	61.5	60.9	61.2	60.7	57.6	52.3						
PNDB	34.1	43.5	52.0	58.9	59.8	53.7	58.2	57.9	57.2	55.5	50.1						
	34.5	51.3	57.0	63.5	64.5	63.1	62.6	62.0	61.3	59.3	54.0						
	30.4	46.9	58.2	62.4	63.8	63.7	62.5	61.3	60.1	59.4	53.8						
	22.7	44.0	55.8	60.8	63.5	64.1	61.9	61.4	59.4	56.6	53.0						
	17.5	41.4	52.9	57.5	62.9	63.4	61.5	61.0	58.6	56.8	52.3						
	6.0	35.1	49.6	56.0	59.4	60.3	60.1	59.0	55.1	53.9	49.6						
		26.1	43.5	51.2	55.2	56.3	56.0	55.1	51.5	49.2	45.8						
		13.0	34.0	44.3	49.2	50.5	50.4	49.8	47.0	43.4	40.2						
	55.4	65.0	70.2	73.4	75.1	75.1	74.4	73.8	72.4	69.7	66.2						
	56.6	73.5	81.3	85.4	87.1	87.2	86.1	85.3	83.8	81.9	77.0						

Run 19/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (90% PROB. DATE - 02-14-48 DAY 0 HR: 01:0  
 ANGLES FROM INLET IN DEGREES (AND RAD/ANS) 70 PERCENT REL. HUM. DAY)

SPL INPUT AT STD	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	PHL	
FREQ. (C.)	(0.0)	(0.1)	(0.2)	(0.3)	(0.4)	(0.5)	(0.6)	(0.7)	(0.8)	(0.9)	(1.0)	(1.1)	(1.2)	
RADIAL 17. FT.	50	65.1	67.3	68.6	70.1	70.8	69.8	67.5	66.6	67.6	66.8	65.6	101.78	
( 5. M)	63	73.5	72.5	74.0	76.3	76.5	75.5	72.8	71.3	72.0	73.3	74.3	107.19	
VEHICLE UTKSIM	80	65.6	68.4	67.6	67.9	57.6	67.1	71.9	72.9	73.4	75.1	73.4	105.18	
CONFIG	100	67.9	67.4	66.6	64.6	63.4	65.4	67.9	70.1	71.6	72.4	71.9	103.16	
LCC SCHNECTADY	125	77.7	77.4	75.9	74.4	74.4	72.7	71.4	70.7	71.7	72.4	72.4	105.19	
DATE 06-19-75	160	77.4	75.6	74.9	76.4	76.9	75.1	73.4	72.4	72.4	73.9	70.1	107.11	
RUN 19/2	200	73.7	80.5	81.5	79.5	79.2	78.7	78.5	77.2	74.2	72.7	75.7	111.19	
TAPE X80070	250	55.0	84.2	84.0	83.2	83.5	83.7	83.0	83.2	82.7	81.0	73.5	115.19	
BAR 29.8 HG	315	90.0	90.0	89.0	85.2	86.5	84.5	83.7	83.2	82.5	82.0	80.0	119.10	
(0.6301 N/42)	400	85.9	85.9	85.1	85.7	86.1	85.2	83.6	82.1	80.1	78.4	76.4	116.19	
TAMB 57.1 DEG F	500	84.5	84.1	84.5	84.3	82.8	82.3	82.5	80.8	79.5	77.3	74.6	114.13	
(287.1 DEG K)	630	84.5	84.2	84.4	84.2	83.5	82.9	81.7	80.2	78.2	75.7	74.2	115.12	
TWET 50.1 DEG F	800	85.4	85.3	84.9	84.3	83.3	82.8	82.0	81.3	80.0	78.3	76.0	114.13	
(293.1 DEG K)	1000	84.3	82.7	81.2	80.3	80.2	80.0	79.4	78.7	78.2	76.2	72.7	111.19	
MACT 0. GM/43	1250	74.9	75.3	82.2	82.2	81.1	80.1	79.5	77.5	77.3	75.3	71.8	111.19	
(. KG/M3)	1600	82.0	81.6	81.3	81.2	79.4	78.7	77.1	74.3	73.4	71.7	66.6	110.11	
NFA 10371 RPM	2000	84.3	84.0	83.2	80.6	79.3	77.3	75.6	73.2	72.2	71.8	66.5	113.12	
(1088.1 RAC/SEC)	2500	86.2	87.2	85.6	86.3	84.0	82.5	80.3	77.8	76.9	76.2	72.5	114.17	
NFK 10391 RPM	3150	98.5	99.0	97.4	97.4	96.1	93.9	92.8	90.6	90.2	88.3	86.2	129.16	
(1200.1 RAC/SEC)	4000	86.5	86.5	85.6	84.4	83.6	81.5	79.0	77.6	76.7	76.7	74.1	114.14	
NFD 11517 RPM	5000	84.2	88.0	88.1	86.4	85.8	83.8	81.0	78.5	78.0	78.5	75.9	116.10	
(1200.1 RAC/SEC)	6300	97.0	95.5	96.7	95.7	94.4	92.4	89.7	87.3	85.8	85.6	84.6	124.16	
NFD 11517 RPM	8000	93.6	91.4	92.0	92.5	90.6	89.9	87.8	84.8	82.8	80.8	79.9	121.14	
(1200.1 RAC/SEC)	10000	94.2	98.5	95.1	95.9	95.5	94.6	92.9	90.5	87.7	83.5	80.9	126.11	
NO. OF BLADES 18	12500	93.8	93.3	93.0	94.7	94.7	94.0	91.6	89.1	86.5	84.7	82.6	125.11	
FAN TIP SPEED 15000	16000	92.1	90.9	92.0	93.0	94.1	93.9	92.1	89.0	85.7	83.7	81.5	125.10	
905. FT/SEC	20000	92.4	91.2	92.2	94.4	93.8	93.3	91.8	90.1	89.2	85.8	83.8	125.10	
	25000	96.9	90.6	91.4	94.3	93.3	92.4	90.5	85.9	87.7	84.5	83.5	125.10	
	31500	83.9	85.6	89.6	91.8	92.1	91.4	88.8	86.6	85.6	82.9	82.4	124.16	
	40000	87.7	86.1	88.4	89.7	89.6	89.1	87.6	85.1	84.3	80.5	80.5	124.16	
OVERALL MEASURED														
OVERALL CALCULATED		104.8	104.7	104.4	105.2	104.4	103.4	101.6	99.5	96.4	96.3	94.4	90.5	139.16
PND8		117.8	117.9	116.9	116.7	115.5	113.7	112.4	110.4	109.7	108.7	106.1	102.1	

Run 19/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 68 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59' RES. F. 70 PERCENT REL. HUM. DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
50	38.2	45.1	50.9	54.0	54.0	53.5	53.3	53.7	52.3	51.4	51.3	51.3	51.3	51.3
63	42.3	50.2	53.6	56.1	57.9	58.6	59.1	58.3	55.5	53.8	53.4	53.4	53.4	53.4
SIDELINE 500. FT. (122.40 M)	100	50.4	57.6	61.6	62.7	62.6	63.1	63.5	63.2	62.9	60.7	59.3	59.3	59.3
NFA 292. RPM (305. RAD/SEC)	125	45.3	54.2	59.6	62.1	63.0	62.8	62.2	60.7	59.1	56.9	55.4	55.4	55.4
NFK 292. RPM (306. RAD/SEC)	200	42.2	51.4	56.4	59.5	60.8	61.7	61.3	60.3	58.5	55.8	53.8	53.8	53.8
NFD 324. RPM (340. RAD/SEC)	400	42.4	50.4	56.0	58.2	59.9	60.5	60.6	59.9	58.8	55.9	52.9	52.9	52.9
AIRFLOW RATIO 4F/4M 12.00	500	34.0	47.3	53.4	59.3	56.3	56.4	56.4	56.7	54.9	50.4	45.9	45.9	45.9
800	35.9	44.8	51.5	53.3	54.8	54.7	53.0	52.6	51.0	47.8	43.3	43.3	43.3	43.3
VEHICLE UTHSIN CONFIG 125C	1000	40.3	50.3	56.1	57.5	58.3	57.7	56.2	55.8	53.3	51.8	47.8	47.8	47.8
LCC SCHNECCYADY DATE 06-19-75	2000	36.7	47.6	52.3	56.3	56.5	55.7	55.6	55.0	53.3	52.5	47.2	47.2	47.2
RUN 19/2	2500	36.5	49.1	54.3	57.8	58.3	57.3	55.9	56.6	56.7	53.9	45.8	45.8	45.8
TAPE X00070	3150	41.3	56.4	62.7	65.7	66.4	65.5	64.2	63.4	63.4	62.2	55.9	55.9	55.9
FAN TIP SPEED 905. FT/SEC	4000	35.4	50.5	58.6	61.2	63.4	63.4	61.3	59.2	58.0	57.0	52.3	52.3	52.3
5000	35.2	52.3	62.2	65.3	67.3	67.8	65.8	64.6	62.6	60.6	57.1	51.2	51.2	51.2
6300	30.6	43.2	55.8	63.8	66.3	66.1	64.6	64.0	61.3	59.2	54.2	47.2	47.2	47.2
8000	22.1	44.3	55.2	61.7	65.0	65.4	63.7	64.2	61.3	58.5	53.2	45.4	45.4	45.4
10000	19.0	43.0	55.7	61.0	63.9	64.8	64.5	64.4	61.3	59.1	53.4	45.9	45.9	45.9
OVERALL CALCULATED	6300	8.6	37.2	52.3	58.1	61.3	62.0	61.9	61.6	58.7	57.5	51.4	51.4	51.4
8000			27.8	44.9	53.2	57.3	57.7	57.5	57.4	55.1	54.3	47.3	47.3	47.3
10000			15.6	36.0	45.7	51.0	53.2	52.9	53.4	49.9	49.5	42.5	42.5	42.5
PNDB			56.4	65.9	72.1	75.1	76.6	76.8	76.0	75.8	74.0	71.6	71.6	71.6
			61.4	74.6	83.5	87.2	89.3	89.4	88.5	87.8	85.5	83.3	83.3	83.3



Run 19/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 76 DAY 0 HR: 31:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM, DAY)														
	FREQ. (0.0)	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	120.0	140.0	160.0	180.0
	(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
50	39.7	43.8	51.1	54.0	54.5	54.0	53.8	53.7	53.1	52.2	51.6				
SIDELINE 500 FT. (122.40 M)	63	42.6	50.7	54.3	56.6	58.6	59.1	59.9	59.8	58.2	54.6	53.1			
NFA 303 RPM (319 RAD/SEC)	100	45.8	53.3	57.5	60.3	62.4	63.4	63.9	63.9	62.5	59.9	57.9			
NFA 304 RPM (319 RAD/SEC)	125	50.6	57.6	61.3	62.5	62.6	63.1	64.0	64.2	63.4	61.8	59.7			
NFA 304 RPM (319 RAD/SEC)	150	45.3	53.0	60.4	62.3	63.3	63.3	62.9	60.9	59.8	57.7	56.9			
NFA 304 RPM (319 RAD/SEC)	200	42.9	51.3	56.6	58.2	59.9	61.0	60.4	60.1	58.0	54.6	52.6			
NFA 304 RPM (319 RAD/SEC)	250	40.7	49.4	54.6	58.0	60.1	60.9	60.3	59.3	57.7	55.1	52.8			
NFA 324 RPM (340 RAD/SEC)	315	40.7	49.1	54.5	58.2	59.9	62.0	61.4	60.4	59.6	56.4	52.6			
NFA 324 RPM (340 RAD/SEC)	400	38.7	46.7	52.0	55.6	57.0	58.1	58.8	59.1	57.5	53.1	49.6			
AIRFLOW RATIO	500	36.5	45.1	54.1	55.8	56.3	55.9	54.9	54.7	53.4	49.2	45.4			
HP/AN 12.60	630	37.1	46.3	51.0	53.3	54.3	53.7	52.5	53.3	51.5	47.6	44.0			
VEHICLE UTHSIN	800	35.1	44.9	50.1	52.7	54.1	53.5	53.3	52.4	51.1	48.4	44.3			
CONFIS	1000	36.9	45.9	53.7	56.0	56.9	57.3	56.4	56.0	54.8	51.5	47.5			
LOC SCHEDULE	1200	51.7	60.3	68.9	69.5	69.3	69.2	69.8	67.2	67.7	65.7	61.2			
DATE 06-19-75	1500	37.5	46.0	54.8	56.3	56.6	56.8	56.2	55.9	55.9	52.9	47.6			
RUN 19/7	2000	34.1	47.2	54.1	56.1	57.5	57.8	58.2	55.7	55.0	52.4	47.3			
TAPE XG007C	2500	40.1	55.5	62.2	64.7	65.3	67.4	65.2	63.7	61.7	60.7	55.9			
FAN TIP SPEED 941 FT/SEC	3150	32.7	47.8	56.2	60.0	62.5	61.6	60.3	59.0	58.6	55.0	50.7			
OVERALL CALCULATED	4000	32.9	51.1	59.4	64.4	66.3	66.2	65.7	64.5	61.8	59.6	53.3			
PNDB	5000	24.2	45.0	55.4	61.1	64.3	64.3	63.4	63.7	60.6	57.5	52.2			
	6300	19.5	42.1	53.9	60.2	63.1	63.6	62.8	63.0	60.3	57.6	52.3			
	8000	8.7	37.6	51.3	57.5	60.2	61.6	61.6	60.7	58.4	57.1	51.4			
	10000		23.4	46.0	53.2	56.7	58.1	58.0	57.1	54.3	53.2	48.8			
			15.5	37.8	48.8	50.7	52.5	52.6	52.5	50.5	48.2	43.5			
			56.6	65.5	72.4	74.5	75.0	76.2	75.9	74.8	73.5	71.2	67.4		
			61.6	74.5	82.3	86.5	88.5	88.6	88.1	87.2	84.9	82.6	78.1		

## Run 19/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, 70, 80, 90, 100, 110, 120) PROC. DATE - MONTH, 22 DAY, 0 HR, 51.0  
ANGLES FROM INLET (K DEGREES (AND RADIAN)) (0.0, 15.0, 30.0, 45.0, 60.0, 75.0, 90.0, 105.0, 120.0)

SPL INPUT AT STD	FREQ.	0°	15°	30°	45°	60°	75°	90°	105°	120°	PHL
	50	72.8	69.8	74.3	70.8	75.8	72.3	71.6	68.8	67.3	69.3
RADIAL 17. FT.	63	75.0	75.0	76.0	76.0	79.3	78.3	76.5	72.8	74.3	74.3
( 5. H)	100	67.9	69.1	65.1	68.6	68.4	67.9	71.6	73.6	74.1	75.4
VEHICLE UTNSIM	125	76.9	76.9	76.2	75.2	74.7	73.4	71.9	67.4	71.4	71.9
CONFIS	150	77.1	76.1	74.9	76.1	76.6	75.1	72.9	72.4	72.1	70.6
LCC SCH-NECTADY	200	79.7	81.7	81.5	80.2	80.2	80.0	79.5	79.5	78.2	75.2
DATE 08-19-75	250	85.2	84.5	84.2	83.5	83.2	83.2	83.2	83.5	82.5	81.0
RCA 1972	315	89.5	89.5	88.2	87.3	85.0	83.8	83.5	83.5	83.0	81.7
TAPE X00070	400	87.7	87.1	88.1	89.4	87.6	86.7	85.6	84.1	81.4	80.5
BAR 29.2 HG	500	82.1	82.3	82.6	82.7	81.8	81.1	80.5	79.5	78.3	78.0
(0.0520, N/42)	630	80.8	80.7	81.7	79.7	82.5	79.8	77.5	76.9	75.5	72.7
TAMB 59.1 DEG F	800	83.1	82.3	81.5	81.8	82.3	81.1	82.2	80.0	78.3	79.2
(25.5, DEG K)	1000	85.5	84.4	83.7	83.5	83.5	81.0	79.7	77.7	77.4	75.0
TMET 50.1 DEG F	1250	83.6	83.3	81.0	83.1	83.6	81.1	80.0	75.7	75.5	73.5
(25.1, DEG K)	1500	82.6	82.1	75.6	78.7	77.9	77.3	75.1	75.1	73.7	70.4
WACT C. 50/43	2000	80.3	80.3	80.4	79.6	78.6	79.3	75.1	74.2	73.5	71.8
(1.0, KG/MS)	2500	84.0	85.4	84.4	85.7	86.0	86.7	79.1	77.1	76.4	75.5
VEA 11074.5 PSI	3150	83.0	90.7	89.1	90.7	91.1	93.3	92.3	89.7	88.7	87.3
(1159, RAD/SEC)	4000	91.7	93.2	89.6	83.9	86.3	84.5	83.0	80.3	79.2	76.2
VEA 11074.5 RPM	5000	83.2	87.0	85.6	86.1	84.0	83.3	81.5	79.3	77.6	75.2
(1159, RAD/SEC)	6300	83.9	86.7	95.4	84.0	82.9	82.2	81.9	82.3	87.1	82.4
VEA 11511.5 PSI	8000	85.9	91.1	92.3	91.0	87.9	87.6	86.1	84.3	83.0	79.9
(1221, RAD/SEC)	10000	84.7	83.9	94.6	92.2	92.8	93.9	89.4	87.9	86.0	82.8
NO. OF BLADES 12	12500	83.5	93.1	92.3	92.7	92.5	91.0	89.1	86.8	87.0	84.7
FAN TIP SPEED 16000	15000	91.9	91.9	91.5	91.5	91.6	91.1	89.8	85.8	86.0	83.7
967. FT/SEC	20000	91.9	91.4	93.9	92.7	92.1	90.0	88.5	86.4	85.7	82.8
	25000	90.9	89.2	91.4	92.5	91.1	89.7	87.5	85.4	84.2	81.0
	31500	88.9	88.1	88.6	90.1	89.8	88.4	85.8	84.4	82.6	81.1
	40000	87.0	87.6	89.0	87.6	86.4	85.1	84.1	82.0	80.2	78.5
OVERALL MEASURED											
OVERALL CALCULATED		106.2	104.7	104.4	104.1	103.4	101.6	100.1	98.0	97.1	95.5
PNDB		120.2	118.3	117.6	116.3	115.5	113.3	112.2	110.1	109.0	108.6

Run 19/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 22 DAY 0 HR; 21:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MOREL DATA (59° DEG. F, 70 PERCENT REL. HUM. JAV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (G.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		(0.0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
30			38.7	45.1	50.6	53.8	54.0	53.0	53.3	53.4	52.1	51.9	52.0	51.8	53.4		
63			43.6	51.2	54.4	57.1	58.6	59.4	60.1	59.3	58.5	54.8	53.4				
SIDELINE 500 FT:			45.5	53.3	57.2	59.8	61.6	62.9	63.9	63.4	62.0	59.9	57.4				
(132.40 M)			49.9	58.8	60.8	61.2	61.9	62.9	63.7	63.7	62.6	60.2	59.2				
NFA 3119 RPM			46.9	56.2	62.4	63.6	64.5	64.8	64.2	61.9	61.3	58.7	57.9				
(327 RAD/SEC)			41.1	51.3	54.6	57.4	58.7	59.5	59.4	58.6	57.3	54.1	51.9				
NFK 3119 RPM			38.7	47.7	51.9	57.8	57.1	57.9	57.1	58.6	55.7	52.8	51.0				
(327 RAD/SEC)			39.4	47.9	53.5	57.2	55.1	60.7	59.4	58.4	59.8	57.7	54.9				
NFD 3248 RPM			40.7	49.5	54.8	58.1	57.8	57.9	58.8	57.1	54.8	51.4	47.6				
(340 RAD/SEC)			35.5	48.1	53.9	55.8	57.5	57.9	54.6	54.9	53.1	48.9	44.9				
AIRFLOW RATIO			36.4	43.0	49.0	51.8	54.1	55.0	53.7	54.3	53.0	49.6	45.3				
AF/AH 12.60			33.6	44.1	49.4	52.0	55.1	53.5	52.5	52.4	50.9	47.4	44.3				
800			37.1	47.2	54.5	58.0	56.1	56.1	55.1	55.0	54.3	53.5	46.7				
VEHICLE UTXSM			55.9	61.1	65.4	68.3	69.0	67.6	67.6	67.0	67.7	65.7	59.6				
CONFIG			38.1	50.5	54.8	58.3	59.1	59.3	57.7	57.1	57.4	54.6	48.8				
LOC SCHENECTADY			33.3	45.2	53.1	56.1	57.7	57.3	56.2	55.2	53.0	50.9	46.8				
DATE 06-19-75			43.3	55.0	51.5	55.4	65.5	66.2	64.7	64.2	61.4	59.5	54.6				
RUN 19/S			32.1	47.3	53.2	59.8	60.5	63.9	60.3	59.7	58.3	54.8	49.7				
TAPE X00070			32.2	46.6	56.4	63.1	64.6	65.0	64.7	64.0	62.3	58.9	54.0				
FAN TIP SPEED			23.3	44.2	54.5	59.8	61.8	62.1	61.2	62.2	60.1	56.8	51.5				
967 FT/SEC			18.4	41.9	52.4	56.2	61.4	61.4	59.1	60.6	58.3	57.3	51.3				
6300			7.2	36.1	50.1	56.2	58.2	59.3	58.8	59.0	56.4	56.1	50.4				
8000				27.6	44.7	51.2	54.7	55.6	55.3	55.1	52.3	52.3	47.3				
10000				14.8	35.0	44.5	48.9	50.0	50.3	50.3	48.2	46.7	42.5				
OVERALL CALCULATED			55.9	65.7	71.0	74.1	74.9	75.4	74.7	74.3	73.2	71.0	67.2				
PNDB			60.6	74.1	81.4	85.6	87.2	87.5	86.9	86.8	84.8	82.0	77.3				



## Run 19/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (50% DEC. F. 75 PERCENT REL. HUM. DAY)																FREQ. DAY - 10.00 PM DAY 0 HR. 51.0	
SPL INPUT AT STD		ANGLES FROM INLET IS DEGREES (AND RADIAN'S)																	
	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	PWC
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	
	50	67.6	67.6	67.6	68.8	70.3	71.1	69.3	67.1	67.1	67.3	66.6	66.6						104.9
	63	74.3	74.5	76.0	76.0	79.3	78.5	75.0	73.3	74.8	74.8	74.9	74.3						107.9
RADIAL 17. FT.	80	64.9	66.0	66.6	66.6	66.9	70.6	76.4	78.1	78.9	76.6	77.4	75.6						109.6
( 5. M)	100	66.9	66.1	64.9	63.4	61.4	63.4	66.4	68.6	70.1	70.9	70.6	65.9						102.1
VEHICLE UTHSIN	125	75.7	73.4	74.9	75.4	72.4	71.2	69.9	69.7	70.9	70.9	71.7	73.2						105.5
CONFIG	160	76.4	75.1	75.4	75.6	75.6	73.9	72.6	72.1	71.9	70.6	70.6	70.9						106.6
LCC SCHEDULE	200	80.7	82.2	82.7	81.5	80.5	80.2	80.5	80.0	72.0	72.7	72.7	72.5						102.5
DAY 04-29-75	250	84.0	82.7	82.5	82.2	82.5	82.0	82.5	82.2	81.5	80.0	78.2	76.0						114.8
ROT 19/2	315	87.5	87.5	86.2	85.2	83.2	81.5	82.3	82.0	81.5	80.2	78.5	77.2						105.7
TAPE X30070	400	84.2	85.4	85.6	86.7	86.6	85.9	83.9	82.6	80.9	79.1	78.6	77.4						104.9
BAR 29.0 HS	500	78.9	78.1	78.5	78.5	77.8	77.6	77.3	76.3	75.1	73.5	70.3	67.3						109.5
(00000 N/M2)	630	75.0	74.5	74.7	75.2	74.7	75.0	74.7	73.5	73.0	70.5	69.2	65.4						106.8
TABS 521 DEG F	600	77.8	76.5	76.0	76.3	80.3	80.3	76.3	77.0	75.3	73.5	72.3	71.0						100.5
(250 DEG K)	1000	78.3	77.7	80.2	81.2	83.5	79.3	76.4	75.9	76.2	74.5	70.5	65.4						111.4
TWET 501 DEG F	1250	79.9	79.5	83.5	83.6	80.3	79.3	79.7	78.0	76.5	75.5	72.9	67.8						111.3
(283 DEG K)	1600	79.2	78.6	77.8	76.2	75.7	76.7	75.5	74.3	74.1	71.7	66.4	64.9						105.7
HADY 0. GM/M3	2000	83.6	81.3	81.2	80.6	80.1	77.8	77.4	74.7	73.5	72.0	68.7	65.0						113.2
( KG/M3)	2500	84.2	84.7	84.6	83.6	81.5	81.2	80.3	78.6	77.4	76.2	72.6	65.7						103.5
NFA 11354 RPM	3150	95.0	96.2	95.6	94.1	93.6	92.0	92.6	90.6	89.4	86.0	82.4	77.0						125.2
(1199 RAD/SEC)	4000	88.2	87.0	88.6	87.1	87.1	87.0	85.0	82.3	81.2	79.0	75.6	71.2						117.5
NFK 11762 RPM	5000	84.0	82.7	82.8	81.1	82.1	81.5	79.5	78.3	76.0	74.0	72.6	67.7						112.5
(1191 RAD/SEC)	6300	90.0	92.5	92.4	89.7	89.4	87.9	85.4	84.5	83.3	81.4	79.1	74.7						119.9
NFD 11517 RPM	8000	87.9	87.9	87.3	86.0	87.4	85.9	84.3	82.6	81.5	79.1	77.0	73.7						117.3
(1201 RAD/SEC)	10000	90.7	90.6	90.1	89.0	90.2	88.5	86.9	85.9	83.2	83.7	80.5	75.6						120.8
NO. OF BLADES 18	12500	89.8	88.8	86.0	89.0	86.5	88.0	85.8	83.8	83.3	82.0	79.6	75.4						109.6
FAN TIP SPEED	16000	88.4	87.4	87.3	85.2	87.1	87.4	85.1	82.8	82.0	80.5	80.0	75.3						119.1
991. FT/SEC	20000	85.6	85.9	87.4	85.2	87.0	86.3	85.3	83.4	82.9	79.3	77.8	76.0						115.7
	25000	57.7	86.3	86.2	89.5	87.6	85.7	84.3	82.6	80.9	78.0	77.8	75.6						119.7
	31500	86.4	84.6	84.9	87.6	86.1	85.1	82.5	81.1	81.1	77.6	76.2	74.0						119.2
	40000	85.0	82.4	84.1	86.0	83.9	82.8	81.1	78.8	79.3	75.5	73.7	72.9						108.8
OVERALL MEASURED																			
OVERALL CALCULATED		101.0	101.3	100.0	100.9	100.2	99.8	98.0	98.4	95.4	93.3	91.3	88.3						101.6
PNOB		114.3	115.1	114.5	113.7	113.2	113.6	111.7	110.8	108.9	106.3	103.4	99.2						

Run 19/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 1 MONTH 08 DAY 0 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50' DIST. F, 70 PERCENT REL. HUM. DAY)											
	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)											
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. )	(0.47)	(0.35)	(0.52)	(0.70)	(0.37)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. 0. 0. 0. 0. 0. )
50	37.7	45.6	50.1	52.8	52.8	52.7	53.0	53.2	52.1	51.9	51.8	
83	44.1	52.4	55.6	57.3	58.9	60.4	60.6	59.1	58.0	53.8	53.1	
SIDELINE 530' FT. (1122.40 M)	43.8	51.6	55.0	59.0	60.4	62.1	62.7	62.4	61.0	59.1	58.4	
NFA 3193 RPM (335 RAD/SEC)	47.9	54.8	58.6	59.5	59.9	61.4	62.2	62.2	61.1	59.2	57.5	
125	45.5	53.7	57.8	62.6	63.8	63.1	62.7	61.4	59.6	59.3	57.4	
160	35.9	48.0	51.1	53.4	55.2	56.2	55.1	55.4	54.3	51.1	49.2	
NFK 320 RPM (335 RAD/SEC)	32.5	41.7	47.4	50.0	52.3	53.4	53.1	53.1	50.7	49.3	46.5	
200	33.7	42.4	50.0	55.2	57.9	56.5	56.4	55.1	53.6	52.2	50.4	
NFD 324 RPM (340 RAD/SEC)	34.5	46.0	52.5	58.1	56.0	54.5	55.1	55.9	54.3	50.1	47.6	
315	34.2	45.0	51.4	54.5	55.8	57.7	56.9	55.9	55.1	52.2	46.6	
AIRFLOW RATIO	32.9	42.3	48.5	52.5	52.8	53.2	53.0	53.3	51.0	47.6	43.5	
WF/AM 12.60	34.3	44.9	50.4	53.5	53.6	54.7	53.0	52.4	51.1	47.6	43.3	
600	36.4	47.4	52.7	54.9	56.6	57.3	56.6	56.0	55.0	51.3	45.7	
VEHICLE UTWSIM	46.5	57.6	62.7	66.0	70.0	69.2	68.3	67.7	64.5	60.7	54.7	
1000	37.5	47.5	55.0	59.0	61.6	61.3	62.2	59.2	57.2	53.6	43.6	
CONFIG	29.0	42.5	50.1	53.3	55.5	55.3	55.2	54.2	51.7	50.1	44.6	
LOG SCHEDULE	36.4	43.8	55.7	59.9	61.3	61.7	62.9	61.4	53.7	56.2	51.1	
DATE 06-19-75	23.2	44.3	53.2	57.3	58.5	59.1	58.6	58.2	56.1	53.8	43.7	
RUN 19/9	27.7	45.1	54.4	59.1	63.6	61.0	61.2	61.3	60.1	56.6	51.5	
TAPE X00070	19.7	40.0	50.3	55.8	58.6	53.8	58.2	53.4	57.4	54.8	47.7	
FAN TIP SPEED	14.6	37.6	48.9	54.7	57.6	57.6	56.8	55.8	55.6	54.8	49.5	
991 FT/SEC	3.7	32.6	46.6	52.0	54.9	56.1	55.6	56.2	52.9	53.6	48.4	
8000		23.4	41.7	47.7	50.9	52.3	52.5	51.9	49.3	48.7	45.5	
10000		11.0	32.7	40.8	45.7	46.7	47.6	47.5	45.7	43.9	40.5	
OVERALL CALCULATED		53.6	63.0	68.4	71.7	74.0	74.0	73.6	73.1	71.0	68.7	
PND3		56.9	70.0	75.0	82.4	84.2	84.6	84.4	82.6	79.8	74.9	



Run 19/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PFCC: DATE 6 MONTH 94 DAY 0 HR: 00:00

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59° DEG. F, 70 PERCENT REL. HUM., DAY)												
		ANGLES FROM INLET IN DEGREES (ASC. RADIAN)												
SPL INPUT AT STD	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)
	50	35.9	45.1	50.4	52.5	52.9	52.7	52.0	52.7	51.8	51.2	51.3	51.3	51.3
SIDELINE 500 FT.	50	44.1	53.4	56.5	57.8	59.9	61.4	61.6	61.9	61.9	61.3	61.8	62.2	62.2
(122.40 M)	100	46.1	55.3	57.3	58.0	58.6	59.6	59.7	60.5	60.6	60.6	60.6	60.6	60.6
NFA 3217 RPM	125	42.8	51.5	55.1	60.1	62.0	61.1	60.4	59.2	57.8	56.9	55.4	55.4	55.4
(337 RAD/SEC)	150	33.9	42.5	47.8	49.4	51.4	52.7	53.1	52.4	51.3	49.1	47.8	47.8	47.8
NFK 3217 RPM	200	27.2	36.4	43.1	45.8	48.6	50.2	51.3	51.6	50.0	48.1	47.3	47.3	47.3
(337 RAD/SEC)	250	30.4	40.4	46.5	54.5	56.5	56.2	55.9	55.4	53.8	51.2	49.9	49.9	49.9
NFD 3241 RPM	315	34.7	46.0	52.9	56.1	58.3	55.1	55.1	54.9	53.0	50.1	47.1	47.1	47.1
(340 RAD/SEC)	400	34.5	45.6	51.4	53.8	56.8	55.4	57.1	55.7	53.6	51.2	43.1	43.1	43.1
AIRFLOW RATIO	500	43.1	42.5	49.0	52.5	54.1	54.5	53.5	52.3	51.3	48.6	44.1	44.1	44.1
AP/AM 12.80	630	43.1	44.6	50.1	51.7	53.9	53.2	53.2	51.4	51.4	47.6	43.1	43.1	43.1
	800	34.4	44.2	50.2	51.2	53.1	53.1	53.9	54.0	53.0	50.3	46.8	46.8	46.8
VEHICLE UTMSIM	1000	44.7	52.6	63.2	67.8	66.8	65.5	66.5	66.0	63.7	61.7	53.4	53.4	53.4
CONFIG	1250	35.5	44.3	55.5	60.3	59.6	60.8	58.9	58.6	56.7	54.4	47.6	47.6	47.6
LCC SCHEMECTADY	1600	27.9	41.0	48.9	52.1	54.2	54.8	54.2	53.4	51.0	48.9	43.1	43.1	43.1
DATE 05-09-75	2000	32.1	47.0	54.2	58.4	59.8	60.4	59.2	59.2	56.2	54.7	49.6	49.6	49.6
RUN 19/10	2500	29.3	42.1	52.0	55.0	57.6	57.6	57.6	57.2	54.8	53.0	46.2	46.2	46.2
TAPE X00070	3150	26.4	43.6	53.0	57.6	59.6	60.5	59.5	59.5	53.3	51.4	45.4	45.4	45.4
FAN TIP SPEED	4000	18.1	33.2	49.0	54.3	57.1	57.3	56.2	57.2	53.6	54.0	48.1	48.1	48.1
997 FT/SEC	5000	13.6	32.1	47.1	53.5	55.1	55.9	55.7	56.0	54.1	54.1	45.4	45.4	45.4
	6300	2.5	30.9	45.1	50.7	53.2	54.3	54.1	54.5	51.4	52.4	47.6	47.6	47.6
	8000		21.9	40.3	46.0	49.4	50.6	50.5	50.6	47.5	48.7	44.3	44.3	44.3
	10000		9.5	32.1	39.5	43.9	45.0	45.6	45.8	44.0	43.9	37.2	37.2	37.2
OVERALL CALCULATED		52.2	61.0	67.6	71.7	72.2	73.1	72.3	71.8	69.8	68.1	64.1	64.1	64.1
PND8		55.1	69.8	76.9	81.2	85.0	83.7	83.0	82.9	81.1	79.2	74.1	74.1	74.1

Run 19/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, DEG. F. 70 PERCENT REL. HUM. DAY)  
 FREQ. DATE - MONTH OF DAY, 8 HR. 5:10  
 ANGLES FROM INLET IN DEGREES (AND RADIALS)

SPL INPUT AT STD	0.	10.	30.	36.	40.	50.	60.	70.	80.	90.	90.	90.	90.	PWL			
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
50	65.8	65.3	66.6	65.1	66.6	70.3	68.3	66.1	66.6	67.3	66.6	66.1	66.1	101.3			
63	74.3	74.0	75.9	76.0	79.3	78.5	75.3	73.3	74.8	76.5	74.8	74.5	74.5	109.3			
RADIAL 17. FT. ( 5. M)	50	64.1	68.4	65.1	66.9	69.6	71.4	75.9	78.4	77.1	78.4	77.4	75.1	109.7			
VEHICLE UTMSIM	100	64.1	63.9	63.7	62.4	60.2	62.2	65.4	67.4	69.1	69.6	68.9	67.9	108.7			
CONFIG	125	74.4	74.2	74.2	72.4	71.9	70.4	69.7	68.4	70.7	71.9	72.7	72.7	105.1			
ECC SCHEDULED	150	76.4	75.1	74.9	75.4	75.6	74.4	73.1	73.1	71.9	70.6	70.4	74.1	105.7			
DATE 05-9-73	200	82.0	81.2	85.2	84.2	82.0	82.9	82.7	82.2	78.0	78.0	73.0	72.0	114.5			
RUN 19/11	250	83.0	81.7	81.5	81.5	81.0	81.2	81.2	81.5	81.5	79.5	77.5	75.0	113.7			
TYPE X00070	315	84.8	84.7	84.2	82.7	81.0	80.0	79.2	79.5	78.2	77.7	75.7	75.0	113.4			
SAB 29.5 MS	400	81.7	82.1	82.4	84.2	83.6	83.2	80.6	78.6	77.8	75.6	74.4	73.4	113.2			
(0.530) (1/2)	500	72.4	72.1	71.8	72.1	71.8	71.3	71.5	71.6	71.8	71.3	68.6	67.9	104.4			
TAB 50 DEG F	630	63.3	67.7	66.7	70.0	70.0	71.0	72.2	72.5	72.0	71.5	70.5	69.9	104.5			
(288) DEG K	800	75.1	73.5	74.5	75.5	76.5	76.8	76.7	76.3	77.3	76.5	71.5	70.5	111.3			
TAB 50 DEG F	1000	79.0	78.2	79.9	81.2	84.7	82.3	76.9	76.7	75.4	75.7	70.7	68.2	112.4			
(253) DEG K	1250	79.1	79.8	80.7	80.8	80.3	81.1	81.7	79.2	77.3	75.5	74.5	69.9	112.5			
HACT 0. GM/3	1600	79.2	76.9	76.5	76.5	79.2	78.4	77.3	74.8	73.6	72.4	69.9	65.9	109.3			
(. . . KG/3)	2000	81.5	81.0	82.2	78.0	78.1	77.5	76.6	74.9	73.9	72.0	66.2	64.5	109.3			
NFA 11483 RPM	2500	81.5	81.7	79.9	80.3	79.8	79.2	76.3	77.3	75.4	75.0	71.1	67.2	111.0			
(1200) RAD/SEC	3150	80.0	84.7	84.9	83.4	85.0	80.3	80.6	87.9	84.4	85.8	82.2	75.2	113.3			
NFA 11483 RPM	4000	83.2	88.0	85.1	87.6	86.6	85.0	84.5	82.3	76.2	75.2	76.4	76.7	117.3			
(1200) RAD/SEC	5000	82.0	81.5	81.1	81.1	80.1	80.0	79.0	77.0	75.6	73.0	70.6	66.9	111.4			
NFA 11483 RPM	6300	87.0	87.2	87.7	87.7	86.0	85.7	84.7	83.0	81.3	73.9	76.6	72.4	117.5			
(1200) RAD/SEC	8000	86.1	86.2	86.0	86.2	85.6	84.6	82.8	82.1	80.3	77.6	75.5	73.9	114.1			
NFA 11483 RPM	10000	83.2	86.3	87.9	85.4	85.5	86.0	85.4	83.4	82.7	81.2	78.5	73.9	112.5			
(1200) RAD/SEC	12500	87.3	86.6	85.0	85.7	86.5	85.8	81.8	81.6	81.0	79.5	76.1	73.1	117.4			
NO. OF BLADES 18	15000	85.9	85.1	85.0	86.0	85.8	84.9	82.6	81.0	80.8	77.7	77.8	73.5	115.9			
FAN TIP SPEED	20000	85.1	84.9	85.2	86.4	85.4	84.5	82.9	80.9	76.9	77.0	77.6	74.0	117.2			
1002. FT/SEC	25000	84.7	84.1	83.3	86.0	85.1	83.4	79.4	79.4	78.7	75.3	75.3	73.4	115.9			
31500	83.4	82.0	82.9	83.5	84.1	82.6	80.0	76.6	77.5	74.9	73.9	72.5	72.5	115.6			
40000	81.2	80.1	81.6	82.0	81.9	80.6	76.9	76.6	76.5	72.5	72.0	70.9	70.9	116.2			
OVERALL MEASURED																	
OVERALL CALCULATED	97.8	99.3	99.8	99.2	99.7	97.4	95.4	94.7	93.1	92.1	90.0	86.9	86.9	129.8			
PWDB	109.6	113.3	110.0	112.0	113.8	110.4	110.2	108.1	105.7	105.0	102.7	97.9	97.9				

Run 19/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 2 MONTH 99 DAY 0 HR: 22:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39 DEG. F, 70 PERCENT REL. HUM, DAY)																
	FREQ. (0.0)	(0.1)	(0.35)	(0.52)	(0.70)	(0.85)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)
SIDELINE 500 FT. (122.40 M)	50	37.7	45.1	49.9	52.8	53.3	53.2	54.0	53.2	52.1	51.7	52.0					
NFA 323 RPM (339 RAD/SEC)	63	44.5	54.9	55.1	56.3	61.1	62.6	62.9	60.1	57.2	54.1	52.6					
NFK 323 RPM (339 RAD/SEC)	100	45.1	52.2	55.1	57.2	55.1	55.5	59.7	60.0	58.6	56.5	55.2					
NFD 324 RPM (340 RAD/SEC)	125	41.8	50.5	57.1	59.5	61.0	59.3	58.7	56.2	56.3	54.9	53.4					
AIRFLOW RATIO (AF/AM=12.0)	160	33.9	33.3	44.4	47.4	48.9	50.5	51.4	51.1	50.3	48.9	47.6					
VEHICLE UTHSIN	200	25.7	35.7	42.1	45.3	49.3	49.9	52.1	52.1	51.7	50.6	49.5					
CONFIG	250	30.7	40.9	47.0	53.5	55.9	57.2	57.6	57.1	55.6	51.4	50.1					
LOC SCH=VECTADV	315	34.5	45.7	52.5	59.3	59.0	55.1	56.1	55.1	55.5	50.4	47.3					
DATE 06-19-75	400	35.0	45.8	51.5	54.5	57.5	59.7	58.1	56.7	56.1	53.9	48.6					
RUN 19/11	500	35.1	42.6	48.3	53.0	54.6	55.0	53.5	52.5	51.8	49.1	44.5					
TAPE X00070	600	34.1	43.9	48.6	51.5	53.3	54.0	53.5	52.4	51.1	47.1	42.0					
FAN TIP SPEED 1002 FT/SEC	800	33.4	42.7	49.5	52.7	54.6	55.3	55.4	54.0	53.8	49.8	45.2					
OVERALL CALCULATED	1000	25.7	35.7	42.1	45.3	49.3	49.9	52.1	52.1	51.7	50.6	49.5					
PADB	1250	36.5	46.0	53.7	57.2	59.0	59.9	59.4	58.2	57.4	54.4	48.1	43.0				
	1500	27.8	40.7	48.1	51.3	54.0	54.6	53.9	53.2	50.7	48.1	43.0					
	2000	31.1	45.0	53.7	57.2	59.0	59.9	59.4	58.4	56.2	53.7	48.9					
	2500	27.5	43.1	51.5	55.5	57.5	57.6	58.1	57.0	54.6	52.3	47.0					
	3150	25.4	42.9	52.2	57.4	58.3	59.5	58.7	58.8	57.6	54.5	49.3					
	4000	17.4	35.0	45.5	53.5	56.5	56.8	55.9	56.2	54.9	53.3	47.5					
	5000	12.5	35.4	48.9	52.5	55.1	55.1	55.0	54.8	52.8	52.6	47.9					
	6000	8.7	30.4	43.8	49.5	52.7	53.5	53.3	53.2	53.6	50.9	45.4					
	8000		20.9	38.2	45.2	48.4	49.3	49.3	49.6	47.0	46.2	43.3					
	10000		9.0	28.7	35.8	43.2	44.2	45.1	45.5	43.0	41.7	39.0					
			55.0	60.7	67.3	71.6	71.7	72.6	72.1	70.8	67.3	63.8					
			54.9	67.1	76.0	80.9	82.4	83.1	82.5	82.1	80.8	78.4					

## Run 19/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (5% PER. F. TO PERCENT REL. HUM. DAY)														PROC. DATE - MONTH 25 DAY 0 HR. 51.0	
		ANGLES FROM INLET IN DEGREES (AND RADIAN'S)															
SPL INPUT AT STD		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)
	50	66.3	66.1	66.3	67.8	69.3	69.3	67.3	65.6	66.1	66.3	66.6	66.1	66.3	66.3	66.1	100.9
	53	74.3	74.0	75.0	77.3	79.0	78.3	74.5	72.3	74.5	74.5	74.5	74.3	74.3	74.3	74.3	109.5
RADIAL	50	64.6	68.4	65.6	60.5	69.6	71.1	75.9	78.1	77.4	75.6	77.4	75.4	75.4	75.4	75.4	109.8
( 5. M)	100	64.4	64.1	63.4	62.2	60.4	62.4	65.4	67.1	65.4	69.1	68.6	67.1	68.6	67.1	68.6	109.4
VEHICLE	125	73.9	73.9	73.7	71.9	71.7	69.9	69.4	68.7	70.7	70.9	71.7	73.2	73.2	73.2	73.2	105.0
CONFIG	160	75.9	74.1	73.1	75.4	75.4	74.1	73.1	72.9	71.6	70.6	70.4	70.6	70.6	70.6	70.6	106.6
LOC SCHEDULE	200	83.0	84.7	86.5	85.2	83.5	84.2	84.2	84.0	80.0	77.5	73.2	71.7	73.2	71.7	73.2	109.9
DATE 06-19-75	250	81.2	80.2	80.0	79.2	79.2	79.7	79.7	79.2	79.0	77.2	75.5	74.2	75.5	74.2	75.5	112.1
RUN 19/2	319	82.5	83.5	81.7	80.7	79.0	77.5	77.2	77.0	76.7	75.7	73.5	73.0	75.7	73.0	75.7	111.1
TARE	400	78.9	79.1	78.9	81.2	80.4	79.7	78.9	78.4	74.4	72.4	70.6	70.6	70.6	70.6	70.6	105.4
BAR 25.1 KPa	500	70.6	69.3	69.8	67.3	70.1	69.3	70.0	70.2	69.6	69.6	68.3	67.3	67.3	67.3	67.3	107.1
(20000) N/A2)	600	67.8	67.2	69.4	70.7	70.0	71.3	71.4	72.5	71.5	72.5	72.0	71.2	72.0	71.2	72.0	105.1
TARE 58.1 DEG F	800	76.3	75.5	75.7	75.3	79.3	80.1	83.7	79.0	77.8	75.3	72.3	70.5	70.5	70.5	70.5	111.2
(268) DEG K	1000	80.0	79.7	79.7	83.2	84.2	81.8	77.2	75.7	75.9	73.7	71.8	69.2	71.8	69.2	71.8	112.0
TARE 30.1 DEG F	1250	75.4	80.2	81.0	85.3	79.8	81.6	81.0	79.0	77.3	76.0	75.5	69.5	75.5	69.5	75.5	112.4
(283) DEG K	1600	81.2	80.6	79.6	79.7	79.4	78.7	78.1	76.1	74.6	73.9	70.9	66.1	70.9	66.1	70.9	110.3
TARE 0.1 GM/13	2000	79.8	79.5	78.9	78.5	77.6	76.5	75.9	74.7	73.0	70.8	68.0	64.5	68.0	64.5	68.0	108.5
(1) KG/13	2500	81.2	80.9	79.9	79.5	79.5	79.5	79.1	76.1	74.7	73.5	70.4	67.2	70.4	67.2	70.4	109.4
N/A 1150) RPM	3100	85.5	82.2	80.1	81.4	83.6	81.8	81.1	85.6	84.9	83.5	80.4	74.2	80.4	74.2	80.4	123.5
(1213) RAD/SEC	4000	84.0	83.2	80.8	87.4	80.6	87.3	85.8	81.1	80.4	79.2	76.4	70.9	76.4	70.9	76.4	117.9
N/A 1150) RPM	5000	81.7	81.4	81.1	80.6	79.6	80.0	78.5	76.5	74.9	72.7	70.4	66.2	70.4	66.2	70.4	111.0
(1214) RAD/SEC	6000	86.5	86.2	86.4	86.4	85.9	84.7	84.7	82.3	80.3	78.1	75.9	71.4	75.9	71.4	75.9	115.7
N/A 1151) RPM	8000	85.6	85.7	85.0	86.0	85.4	83.6	82.6	81.3	80.3	77.9	75.5	71.4	75.5	71.4	75.5	115.9
(1216) RAD/SEC	10000	87.5	87.3	87.4	87.6	87.0	85.5	84.6	82.4	81.7	80.5	77.5	73.4	77.5	73.4	77.5	117.8
NO. OF BLADES 18	12000	86.3	85.0	85.0	85.7	85.5	84.8	82.8	80.3	79.8	76.2	74.9	72.1	74.9	72.1	74.9	119.4
FAN TIP SPEED	15000	84.9	84.1	84.0	85.5	84.6	84.1	81.8	79.5	79.2	77.2	76.8	72.3	76.8	72.3	76.8	115.8
(2011) FT/SEC	20000	85.1	84.2	83.9	85.4	84.6	83.8	81.3	79.9	79.2	75.5	76.5	73.3	76.5	73.3	76.5	116.5
	25000	83.9	83.6	83.9	84.5	84.1	82.4	80.5	78.4	77.2	74.3	74.0	72.4	74.0	72.4	74.0	115.5
	31500	82.2	81.9	82.1	82.8	83.3	81.6	79.9	77.1	76.8	73.6	72.4	71.5	73.6	71.5	73.6	115.6
	40000	80.2	79.1	81.4	81.5	81.1	79.8	77.9	75.3	75.5	71.7	70.5	70.2	71.7	70.5	71.7	119.3
OVERALL MEASURED		97.4	98.2	97.5	98.1	98.6	97.4	96.3	93.7	92.8	91.1	89.1	86.2	89.1	86.2	89.1	120.1
OVERALL CALCULATED		103.6	111.8	110.5	111.2	112.4	111.1	110.4	106.8	105.8	104.4	101.7	97.5	101.7	97.5	101.7	

Run 19/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 1 MONTH 15 DAY 0 HR: 11:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99.25% F, 70 PERCENT REL. HUM, DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.73)	(1.92)	(2.09)	(2.26)
50	36.7	45.3	49.9	52.5	53.0	53.2	53.8	52.9	52.1	51.7	51.5	51.5	51.5	51.5
63	46.6	56.2	59.4	60.3	62.9	64.1	64.5	61.1	58.7	54.3	52.4	52.4	52.4	52.4
SIDELINE 500. FT.	50	41.3	49.1	53.3	55.8	56.1	59.4	59.7	58.3	56.4	54.7	54.7	54.7	54.7
(122.43 M)	100	42.9	52.3	54.1	55.2	55.5	56.5	57.2	57.5	55.6	54.2	53.2	53.2	53.2
NFA 3260. RPM	125	38.8	47.0	54.1	56.3	57.5	55.1	54.4	54.9	53.1	51.2	50.7	50.7	50.7
( 3421. RAD/SEC)	160	28.5	37.3	42.4	45.7	46.9	49.0	50.1	49.4	50.0	48.9	47.1	47.1	47.1
NFK 3260. RPM	200	25.2	35.4	42.9	45.3	48.6	50.2	52.1	51.6	52.7	52.1	50.8	50.8	50.8
( 3421. RAD/SEC)	250	32.7	42.1	47.0	54.2	57.1	59.2	58.4	57.6	55.3	52.2	49.9	49.9	49.9
NFD 3244. RPM	315	36.0	45.5	51.5	52.8	58.5	55.4	55.8	55.6	53.5	50.6	48.3	48.3	48.3
( 3401. RAD/SEC)	400	35.3	44.1	51.1	54.0	58.9	58.9	57.9	56.7	55.6	52.9	47.9	47.9	47.9
AIRFLOW RATIO	500	34.9	44.0	53.0	53.3	54.8	55.7	54.7	53.8	53.3	50.1	44.3	44.3	44.3
WF/W 12.00	600	32.6	42.6	48.4	51.0	52.3	53.2	53.0	51.9	49.9	46.9	43.8	43.8	43.8
800	32.6	42.7	49.0	52.5	54.4	55.1	54.1	53.3	52.3	49.0	45.2	45.2	45.2	45.2
VEHICLE UTNSIM	1000	42.5	52.1	59.9	66.0	66.8	67.7	63.6	63.2	62.0	58.7	51.9	51.9	51.9
CONFIG	1250	36.8	47.8	55.3	60.5	61.8	62.1	58.4	58.4	57.4	54.4	48.3	48.3	48.3
LOC SCHENECTADY	1600	27.3	40.7	47.6	50.8	54.0	54.3	53.4	52.4	50.5	47.9	43.1	43.1	43.1
DATE 06-19-75	2000	30.1	44.5	52.5	56.4	58.0	59.9	58.7	57.8	55.4	53.0	47.9	47.9	47.9
RUN 19/12	2500	27.3	42.1	51.2	55.3	56.9	57.4	57.3	57.0	54.8	52.3	47.3	47.3	47.3
TAPE X00070	3150	24.9	42.4	51.4	55.9	57.6	58.7	57.7	57.8	56.8	53.9	48.8	48.8	48.8
FAN TIP SPEED	4000	16.7	37.0	47.5	52.8	55.3	55.6	54.7	54.9	53.6	52.5	46.5	46.5	46.5
1011. FT/SEC	5000	11.5	34.4	45.9	51.2	54.4	54.4	53.5	54.0	52.3	51.8	45.3	45.3	45.3
6000	1.0	29.1	42.8	46.7	51.9	52.1	52.3	52.3	52.3	49.4	49.9	45.4	45.4	45.4
3000		25.1	36.7	44.2	47.4	48.6	48.6	46.3	46.1	45.3	45.0	42.3	42.3	42.3
10000		8.3	27.7	38.0	42.2	43.2	43.2	43.6	44.5	43.7	40.2	38.0	38.0	38.0
OVERALL CALCULATED		51.2	60.6	66.3	70.3	71.9	72.7	71.3	70.4	69.0	66.4	63.0	63.0	63.0
PND8		53.4	66.6	75.1	79.6	81.7	82.6	81.6	81.8	80.0	77.5	72.8	72.8	72.8



Run 19/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

SPL INPUT AT STD	MODEL SOUND PRESSURE LEVELS (99.0% DATE MONTH DAY 0.HRS MIN SEC)																PNL
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (C.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	PNL
50	66.3	65.6	66.3	67.8	68.8	69.3	67.3	65.3	66.1	66.6	66.1	66.6	66.1	66.6	66.1	66.6	105.0
63	74.0	74.0	75.5	78.0	79.0	78.5	74.5	73.0	74.8	76.5	74.3	74.8	76.5	74.3	74.8	76.5	107.0
RADIAL 17. FT. ( 5. M)	80	64.6	68.1	64.9	65.6	69.9	71.1	77.1	76.4	77.4	78.6	75.1	78.6	75.1	78.6	75.1	110.0
VEHICLE UTMSIM	100	63.7	63.2	63.2	61.4	59.9	61.7	64.4	65.1	67.6	69.1	66.1	69.1	66.1	67.6	69.1	99.7
CONFIS	125	72.7	73.2	72.9	71.2	70.4	69.4	69.2	68.2	69.9	70.2	72.7	70.2	72.7	70.2	72.7	104.7
LCC SCHEDULED	160	75.4	73.6	73.4	74.6	74.4	73.6	72.1	72.4	71.1	73.1	70.4	73.1	70.4	73.1	70.4	106.0
DATE 08-19-75	200	61.7	64.6	65.7	65.0	63.2	64.5	63.5	63.7	70.0	77.2	71.2	71.2	71.2	71.2	71.2	105.0
RUN 19/13	250	80.0	78.7	78.5	78.5	78.0	78.0	78.5	77.7	77.2	74.2	73.5	74.2	73.5	74.2	73.5	110.0
TAMP	315	83.5	80.2	79.5	78.7	76.2	75.3	75.5	75.5	74.5	73.5	72.7	73.5	72.7	73.5	72.7	109.0
BAR 29.5 HG	400	75.4	77.4	76.1	78.7	77.6	77.4	76.4	74.6	73.6	73.1	70.9	73.1	70.9	73.6	73.1	109.0
(00030) M/K2	500	76.4	69.3	69.0	69.6	69.8	69.6	69.8	69.8	69.1	68.3	66.8	69.1	66.8	69.8	69.1	102.0
TAMP 50 DEG F	630	68.0	67.7	69.4	70.7	71.5	71.5	70.9	71.2	70.5	70.5	69.4	70.5	69.4	70.5	69.4	104.4
(258) DEG K	800	77.6	78.0	75.7	76.8	80.3	81.1	80.0	78.5	76.5	74.3	70.0	76.5	70.0	74.3	70.0	101.2
TWET 50 DEG F	1000	81.0	80.4	79.7	80.7	84.5	83.0	78.9	77.2	75.9	73.5	69.4	75.9	69.4	73.5	69.4	112.7
(253) DEG K	1250	78.4	79.5	79.2	79.6	79.8	81.6	79.5	78.7	77.5	75.5	67.8	77.5	67.8	75.5	67.8	111.2
MACT 3. GV/3	1600	97.2	85.9	84.6	84.2	82.4	83.2	82.3	80.1	78.4	77.4	70.1	77.4	70.1	77.4	70.1	114.3
(1176) RPM	2000	81.1	79.6	78.2	75.4	77.3	76.0	75.4	75.4	73.2	73.5	65.7	73.5	65.7	73.2	65.7	103.7
(1225) RAD/SEC	2500	85.7	81.2	79.9	80.3	80.0	78.7	77.8	76.3	73.9	72.7	66.2	72.7	66.2	73.9	72.7	100.5
NFA 1176 RPM	3150	85.5	81.7	80.1	80.9	80.6	80.8	87.6	82.9	82.2	81.3	73.7	82.2	73.7	81.3	73.7	120.2
(1225) RAD/SEC	4000	86.2	85.2	87.8	87.6	87.1	86.8	84.6	81.1	80.4	79.2	71.9	80.4	71.9	81.1	79.2	117.6
NFK 1176 RPM	5000	81.7	81.5	83.8	81.1	79.8	79.3	78.8	77.0	75.9	73.0	66.2	75.9	66.2	73.0	66.2	111.2
(1225) RAD/SEC	6300	85.5	85.3	84.7	85.2	84.6	83.2	82.2	81.0	79.3	76.1	70.4	79.3	76.1	70.4	70.4	115.2
NFD 1151 RPM	8000	85.1	85.2	84.6	85.7	84.0	83.6	81.6	80.5	76.5	76.4	70.2	76.5	70.2	76.4	70.2	115.4
(1205) RAD/SEC	10000	86.2	86.6	85.1	85.6	86.5	84.8	83.1	81.4	80.4	79.2	71.9	80.4	71.9	81.4	79.2	115.9
NO. OF BLADES 18	12500	85.3	85.1	84.3	85.5	84.7	83.5	81.3	79.3	79.0	77.3	71.4	79.0	71.4	77.3	71.4	115.5
FAN TIP SPEED 15000	15000	83.9	83.8	83.3	83.5	84.3	83.1	80.3	78.5	78.0	75.5	71.3	78.0	71.3	75.5	71.3	114.0
1022. FT/SEC	20000	84.1	82.4	82.9	84.4	81.9	82.0	80.5	78.6	77.9	74.5	72.3	77.9	72.3	74.5	72.3	115.4
	25000	92.9	82.3	82.2	83.5	83.1	81.2	79.5	76.6	75.9	72.3	71.6	75.9	72.3	71.6	71.6	114.8
	30000	81.7	80.4	81.9	82.1	82.6	80.6	78.0	76.4	74.8	72.1	70.5	74.8	72.1	70.5	70.5	114.7
	40000	79.2	78.6	79.9	80.5	80.6	78.9	76.4	74.3	70.5	69.6	69.6	74.3	69.6	70.5	69.6	114.4
OVERALL MEASURED		97.2	97.8	97.1	97.7	97.4	96.4	94.9	93.0	91.7	90.2	85.7	90.2	85.7	91.7	85.7	126.3
OVERALL CALCULATED		109.9	111.3	110.4	110.9	110.6	109.3	108.3	105.4	104.3	103.1	96.8	103.1	96.8	104.3	96.8	

Run 19/Reading 13

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

FREQ. DATE MONTH 29 DAY 0-HR: 21:0

SPL INPT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	110.	135.	180.	225.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.74)	(1.92)	(2.09)	(2.26)
50	36.2	43.6	49.1	51.5	52.9	52.2	53.3	52.4	51.5	51.3				
63	45.8	55.4	59.1	60.1	63.1	63.4	64.4	60.1	58.5	57.9				
80	39.2	47.6	52.2	54.9	55.4	56.1	58.2	55.1	57.3	53.9				
100	45.6	48.1	52.1	52.5	53.9	54.9	55.7	55.2	54.4	52.0				
NFA 3293 RPM	37.0	44.2	51.6	53.6	55.3	55.6	54.7	54.2	53.8	50.9				
( 345 RAD/SEC)	25.1	35.5	42.1	45.4	47.2	48.7	49.6	46.4	49.3	46.4				
NFK 3273 RPM	25.7	35.4	42.9	46.8	42.3	49.7	50.8	50.6	50.7	49.0				
( 345 RAD/SEC)	33.2	42.1	48.5	55.2	58.1	56.5	57.9	55.4	54.3	49.4				
NFD 3244 RPM	36.7	45.5	52.0	59.1	59.8	57.1	56.3	55.6	53.3	48.6				
( 340 RAD/SEC)	45.0	44.3	50.4	54.0	58.0	57.4	57.6	56.9	55.1	46.6				
AIRFLOW 1410	45.4	49.0	54.5	56.3	59.3	50.0	55.7	57.6	55.8	48.8				
WPM 12.66	32.6	41.9	48.1	50.7	51.8	52.7	53.8	52.1	51.6	44.1				
800	32.9	42.7	49.5	53.0	54.1	54.8	54.4	52.9	51.5	44.2				
VEHICLE UTHS1M	45.1	52.1	59.4	63.0	63.8	64.2	60.0	60.5	59.7	51.4				
CONFIG	37.7	46.8	55.5	59.0	61.3	61.1	58.4	55.4	57.4	49.3				
LOC SCHENECTADY	27.6	40.5	48.1	51.1	53.2	54.5	53.9	53.4	50.7	43.1				
DATE 06-09-75	26.9	43.0	51.2	55.2	56.5	57.4	57.4	56.4	53.4	46.9				
RUN 19/13	26.5	41.8	51.0	54.6	56.5	56.4	56.8	56.2	53.3	46.2				
TAPE X0007C	25.7	41.1	50.4	55.4	56.3	57.2	56.7	56.5	55.6	47.3				
FAN TIP SPEED	15.9	36.2	47.3	52.1	54.3	54.3	53.7	54.2	52.9	45.7				
1022 FT/SEC	10.8	33.6	44.6	51.0	53.4	52.9	52.5	52.6	50.6	45.3				
6300		28.1	41.8	48.0	50.2	51.3	51.1	51.2	48.1	44.4				
9000		19.4	36.0	43.2	46.2	47.6	46.5	46.9	44.0	41.5				
10000		7.0	27.0	37.3	41.2	42.2	42.9	42.9	40.2	37.0				
OVERALL CALCULATED	50.7	60.1	66.0	69.2	71.1	71.3	70.6	69.5	68.1	62.8				
PNDB	53.2	63.9	74.0	79.2	81.3	81.4	80.9	80.3	79.0	72.7				



Run 19/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC: DATE - NOV 12 DAY 0 HR: 11:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)											
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
50	35.2	42.8	48.4	50.8	51.3	51.3	52.3	52.3	52.2	53.3	51.7	51.5
63	43.3	52.4	56.6	57.6	60.1	60.4	61.6	61.6	61.8	63.1	61.1	60.4
SIDELINE 900' FT.	37.3	45.6	50.0	52.8	54.9	55.9	57.4	57.4	56.1	57.3	53.9	52.4
(122.48 M)	38.9	46.3	50.3	51.5	52.6	53.9	54.9	54.9	54.0	53.1	51.7	50.5
NFA 3344 RPM	33.6	42.5	48.4	54.1	56.3	56.5	58.7	58.7	58.4	57.8	56.2	55.2
(350.1 RAD/SEC)	27.1	36.5	42.4	45.7	47.2	49.0	51.9	51.9	50.1	49.5	47.9	45.6
NFA 3344 RPM	27.1	37.7	43.9	47.8	49.3	51.7	54.3	54.3	51.6	52.0	49.3	49.3
(350.1 RAD/SEC)	32.7	42.4	49.3	55.2	57.4	57.7	57.6	58.4	58.4	54.8	52.7	50.9
NFA 3241 RPM	32.2	47.7	52.5	53.1	56.3	59.4	60.1	61.1	61.9	53.0	53.4	51.6
(340.1 RAD/SEC)	35.3	45.6	50.9	55.1	57.5	58.7	59.9	59.9	55.2	54.4	52.2	45.5
AIRFLOW 4410	35.9	44.3	50.3	53.3	56.6	59.0	60.0	61.0	61.1	55.3	51.1	45.3
AF/AM 22.60	31.5	42.4	48.4	51.5	52.3	55.0	57.3	57.3	53.1	51.1	48.1	43.8
300	40.4	52.0	56.5	61.8	64.7	65.6	68.4	68.4	63.6	59.1	54.0	51.0
VEHICLE UTWSIN 1000	39.2	51.6	56.3	61.6	65.0	65.5	68.3	68.3	63.5	59.3	54.5	51.7
CONFIG 1250	29.5	42.1	47.5	51.5	54.1	54.8	58.4	58.4	53.1	51.4	43.6	40.6
LOC SCHNECTADY 1600	35.1	46.7	51.5	54.7	55.7	56.0	60.0	60.0	55.0	52.7	51.5	45.0
DATE 06-09-75 2250	29.2	43.2	48.0	52.2	54.9	55.1	59.0	59.0	54.0	53.3	51.2	46.7
RUN 19/14 5000	25.7	42.1	46.3	50.0	52.5	52.5	57.0	57.0	52.0	50.3	48.2	45.1
TAPE X00073 5150	25.9	33.3	38.0	42.0	45.0	45.0	49.0	49.0	44.0	42.0	40.0	37.0
FAN TIP SPEED 5000	15.1	24.5	28.2	30.7	31.7	32.0	35.4	35.4	31.4	30.4	29.1	24.7
1036 FT/SEC 6300	9.8	18.2	21.4	23.3	23.8	24.0	27.0	27.0	23.0	22.0	21.0	18.0
5000		18.0	21.0	23.0	24.0	24.0	27.0	27.0	23.0	22.0	21.0	18.0
10360		6.1	12.2	14.6	15.9	16.0	18.0	18.0	14.0	13.7	13.3	10.0
OVERALL CALCULATED	49.1	59.3	64.9	68.6	71.1	71.7	76.4	76.4	72.2	68.1	65.4	62.8
READ	51.4	65.6	74.0	78.4	80.5	80.6	85.6	85.6	79.9	75.7	72.5	69.5

## Run 19/Reading 15

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

MODEL SOUND PRESSURE LEVELS (59, 70, 70 PERCENT REL. HUM. DAY)  
 FROM DATE = 04-17 DAY 0 HR: 1:0  
 TYP. F. 70 PERCENT REL. HUM. DAY  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										PWL			
		0	15	30	45	60	75	90	105	120	0		0	0	0
	50	66.8	65.3	67.1	68.3	70.1	69.8	69.3	65.1	65.9	67.1	65.5	65.1	65.1	109.7
	63	74.5	74.3	73.9	76.3	76.0	76.8	74.8	73.3	75.0	76.5	74.5	74.5	74.5	109.8
RADIAL 17. FT.	80	65.6	66.9	65.6	67.9	70.4	71.9	77.1	78.9	76.1	79.4	77.9	75.4	75.4	113.3
( 5. M)	100	64.9	64.4	63.9	62.7	60.9	62.2	65.9	67.6	69.9	69.4	65.9	66.1	66.1	100.7
VEHICLE UTHSIM	125	74.9	74.4	74.2	72.7	71.7	70.7	69.9	69.2	70.7	70.9	71.7	73.2	73.2	105.2
CONFIG	160	75.4	75.1	75.1	75.9	75.4	73.9	73.1	72.4	71.4	70.6	70.4	70.4	70.4	106.5
LOC SCHENECTADY	250	41.2	43.0	44.0	42.5	41.2	42.5	42.0	41.0	43.0	45.2	43.2	42.0	42.0	111.5
DATE 06-09-75	250	53.5	52.0	51.7	52.0	51.5	51.2	51.5	51.5	51.0	49.2	47.2	45.7	45.7	104.1
RUN 19/15	315	55.0	55.7	54.5	54.0	52.2	50.5	50.5	50.5	50.2	49.2	47.0	45.0	45.0	106.0
TAKE 29.3 HG	400	62.9	63.1	63.4	65.2	64.6	64.2	61.9	60.4	65.9	67.1	68.4	65.4	65.4	115.3
BAR (DE432) M/SEC	500	75.6	74.9	75.3	74.6	74.1	73.6	73.5	73.1	72.1	70.3	65.3	67.6	67.6	101.1
TAKE 58.1 DEG F	600	74.8	73.5	74.0	77.3	79.0	80.1	78.2	76.5	75.3	74.0	71.5	70.8	70.8	110.0
(268.1 DEG K)	1000	79.3	78.4	79.9	81.0	84.0	80.8	76.4	75.9	74.7	74.5	70.5	68.2	68.2	111.6
TEMP 50.1 DEG F	1250	79.6	79.5	80.2	80.3	79.1	79.8	80.5	78.2	75.1	75.5	73.5	69.8	69.8	111.5
(223.1 DEG K)	1600	73.7	75.6	77.8	76.5	78.9	77.7	76.6	75.3	73.1	71.9	69.6	65.4	65.4	109.1
MACT 0.00 M/3	2000	82.1	82.3	81.2	79.9	78.6	77.8	76.1	74.9	73.2	71.8	68.5	65.0	65.0	100.8
(.00 KG/M3)	2500	82.0	82.4	81.4	81.3	80.5	79.2	78.6	77.6	75.4	75.5	71.9	67.9	67.9	101.0
NFA 1141.7 RPM	3150	95.3	94.7	91.1	94.4	95.1	91.2	81.3	85.6	87.4	84.5	83.2	76.2	76.2	123.9
(1195.1 RAD/SEC)	4000	83.5	87.1	84.6	87.9	88.3	83.5	84.3	81.6	80.4	78.2	76.1	70.4	70.4	117.3
NFA 1142.1 RPM	5000	82.7	81.7	81.3	81.4	81.1	80.3	79.3	77.5	75.6	73.2	70.9	66.7	66.7	111.7
(1197.1 RAD/SEC)	6300	83.2	85.7	88.4	88.2	87.6	85.9	84.9	83.5	82.1	76.9	77.4	72.9	72.9	118.1
NFA 1151.7 RPM	8000	86.1	86.7	85.6	85.2	85.9	84.9	83.3	82.3	80.5	77.6	75.5	71.7	71.7	116.5
(1206.1 RAD/SEC)	10000	89.0	89.3	88.9	89.1	88.5	87.3	85.9	83.9	83.9	82.2	79.3	75.4	75.4	119.4
NO. OF PLACES 16	12500	88.0	87.1	86.5	87.0	87.0	86.5	84.3	82.1	81.8	80.2	78.6	73.9	73.9	119.3
FAA TIP SPEED	15000	86.5	85.6	84.0	86.5	86.6	85.9	83.8	81.5	80.7	79.0	76.8	73.3	73.3	117.7
997. FT/SEC	20000	87.1	85.7	85.4	86.9	86.4	85.0	83.5	81.6	81.2	77.3	78.3	75.0	75.0	118.0
	25000	85.9	84.6	84.9	85.3	85.6	84.4	82.3	80.4	79.7	75.3	74.0	74.1	74.1	117.5
	31500	85.2	83.1	83.6	84.3	84.6	83.6	81.0	79.1	78.3	75.9	74.2	73.3	73.3	117.3
	40000	83.5	81.1	82.6	83.0	82.9	81.6	79.9	77.8	77.5	73.2	72.7	71.9	71.9	117.2
OVERALL MEASURED															
OVERALL CALCULATED		98.8	99.7	98.5	99.7	99.8	98.0	96.9	95.1	94.1	92.1	90.5	87.4	87.4	139.3
PND8		111.0	113.6	111.3	113.3	113.6	111.3	110.6	108.6	107.3	105.1	103.3	98.5	98.5	

Run 19/Reading 15

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE 2 MONTH 17 DAY 9 HR: 21:0

SPL INPUT AT STD	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (90% RED. F. 70 PERCENT REL. HUM. DAY)													
	FREQ. (0.)	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	120.	150.	200.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(2.02)	(2.29)	(2.56)	(2.83)
50	37.7	45.3	50.4	52.5	52.6	52.2	53.3	52.7	52.1	52.7	52.3	52.3	52.3	52.3
63	44.3	53.7	56.6	56.1	56.1	61.9	61.6	59.1	56.5	54.3	53.5	53.5	53.5	53.5
SIDELINE 500' FT. (132.40 M)	43.0	50.8	55.7	56.0	59.6	61.1	61.9	61.9	60.3	58.1	56.2	56.2	56.2	56.2
NFA 3215 RPM (337 RAD/SEC)	46.1	53.1	57.3	53.5	58.6	59.9	60.7	61.0	66.1	57.7	56.2	56.2	56.2	56.2
NFK 3215 RPM (337 RAD/SEC)	42.6	51.5	56.1	60.6	62.0	61.1	63.4	59.4	57.8	56.9	53.4	53.4	53.4	53.4
NFD 3241 RPM (344 RAD/SEC)	33.6	42.8	47.4	49.7	51.2	52.7	52.9	52.4	50.8	48.6	47.4	47.4	47.4	47.4
AIRFLOW RATIO AF/AM 2.63	27.2	36.9	43.1	46.3	49.1	50.7	51.1	51.1	48.7	47.5	46.8	46.8	46.8	46.8
800	33.7	40.4	49.0	34.0	57.1	56.7	55.9	55.1	54.1	51.4	50.1	50.1	50.1	50.1
1000	34.7	45.7	52.3	56.6	57.3	54.6	55.1	54.4	54.3	50.1	47.7	47.7	47.7	47.7
1250	34.3	45.3	51.1	53.3	56.3	56.4	57.1	54.9	53.1	52.3	46.6	46.6	46.6	46.6
1400	32.9	42.3	48.6	52.8	53.8	54.2	54.0	52.3	51.3	48.6	44.0	44.0	44.0	44.0
1600	35.3	44.9	49.6	52.2	53.6	53.5	53.3	52.1	50.9	47.4	43.4	43.4	43.4	43.4
2000	34.1	44.2	50.5	53.5	54.6	55.6	55.9	54.0	54.3	50.3	46.3	46.3	46.3	46.3
2500	45.3	53.1	62.9	67.5	66.8	66.0	66.3	65.7	62.0	61.5	53.9	53.9	53.9	53.9
3150	35.5	45.5	55.6	60.5	60.1	60.6	63.9	58.4	53.4	54.1	47.8	47.8	47.8	47.8
4000	28.0	41.0	48.4	52.3	55.2	55.0	56.4	53.2	51.0	48.4	45.6	45.6	45.6	45.6
5000	32.6	46.8	54.2	55.2	59.3	63.2	62.9	59.2	58.2	54.5	47.4	47.4	47.4	47.4
6300	28.0	42.8	51.5	55.8	57.8	58.1	58.3	57.2	54.6	52.3	47.7	47.7	47.7	47.7
8000	26.4	43.9	52.9	57.4	59.3	60.0	59.0	60.0	58.6	55.4	45.8	45.8	45.8	45.8
10000	17.9	33.5	46.8	54.3	57.3	57.3	56.4	56.9	55.6	53.8	45.2	45.2	45.2	45.2
OVERALL CALCULATED	13.0	38.4	47.4	53.2	56.1	56.4	55.5	55.5	54.1	53.6	47.5	47.5	47.5	47.5
PKDB	2.5	30.6	44.3	50.5	53.2	54.3	54.3	54.3	51.4	51.6	47.4	47.4	47.4	47.4
		22.1	39.5	45.7	49.4	50.3	50.3	50.6	47.5	47.8	44.0	44.0	44.0	44.0
		9.6	29.2	39.3	44.2	45.2	45.6	46.0	44.0	41.9	39.7	39.7	39.7	39.7
		52.4	61.0	67.8	71.6	72.2	72.9	72.3	71.7	69.9	67.9	67.9	67.9	67.9
		55.2	67.8	76.6	81.1	82.9	83.5	82.9	82.2	78.7	73.3	73.3	73.3	73.3

## Run 19/Reading 16

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - 10/14/75 DAY 6 HR. 2:10  
FREQ. F. 70 PERCENT REL. HUM. DAY

SPL INPUT AT STD	FREQ.	MODEL SOUND PRESSURE LEVELS (59, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180) ANGLES FROM INLET IN DEGREES (AND RADIANS)													PWL
		0.	10.	20.	30.	45.	60.	75.	90.	105.	120.	135.	150.	165.	
RADIAL 17. FT.	50	67.3	68.1	67.3	66.1	70.2	71.6	70.6	69.3	67.6	65.1	67.1	66.1	66.1	123.5
( 5. K)	55	74.0	73.5	74.6	77.0	76.3	77.5	73.5	72.3	74.0	76.5	74.5	74.5	123.7	
VELOCITY (M/S)	80	62.4	67.9	65.9	66.9	67.1	67.1	71.6	73.1	73.1	75.1	72.6	72.6	123.8	
COS <sup>2</sup> THETA	100	67.1	66.4	66.6	64.6	63.2	65.0	67.9	69.4	71.4	71.4	71.4	70.4	123.8	
VELOCITY (M/S)	125	77.4	77.2	75.9	74.7	74.7	72.9	70.7	70.7	71.7	71.4	71.7	72.2	123.8	
COS <sup>2</sup> THETA	150	77.4	75.1	74.9	75.1	76.1	75.1	72.4	72.6	71.9	73.9	73.6	76.9	123.9	
LOG SQUARE ROOT	200	78.3	79.7	79.7	79.0	76.5	78.5	77.5	77.2	75.7	72.7	74.2	70.5	123.9	
DATE 10-19-75	250	84.0	83.2	83.2	82.5	82.5	82.7	82.2	82.2	81.7	80.7	75.2	76.0	123.9	
SEA 10/16	315	89.3	89.0	88.0	87.0	85.5	83.0	83.0	83.0	82.2	81.5	79.0	77.7	123.9	
TAPE X00070	400	85.4	84.6	84.6	83.7	84.6	83.2	81.4	79.9	77.6	75.4	73.6	73.4	123.9	
SEA 29.0 (100030) (100030) (100030)	500	83.6	85.6	85.3	82.6	81.8	81.1	80.3	79.3	77.8	75.3	73.3	71.6	123.9	
TAPE 60 (225) (225) (225)	600	87.6	86.5	87.0	87.0	86.3	85.1	84.2	83.3	81.3	79.5	75.6	73.8	123.9	
THETA (225) (225) (225)	1000	87.0	85.7	83.7	81.7	81.2	80.0	79.9	79.7	78.7	75.7	72.2	49.7	123.9	
THETA (225) (225) (225)	1500	82.0	82.5	82.5	81.3	80.3	79.1	77.0	76.7	75.5	73.5	70.0	65.5	123.9	
RADIAL (225) (225) (225)	2000	79.6	79.3	79.7	79.9	79.3	78.0	75.9	74.2	72.7	71.5	69.2	64.0	123.9	
VELOCITY (10/13)	2500	95.7	95.7	95.4	94.3	93.0	94.0	91.3	88.1	87.7	86.7	85.1	77.7	123.9	
VELOCITY (943)	3150	89.8	89.7	89.4	87.6	86.3	85.4	84.1	80.9	80.9	79.8	74.7	71.0	123.9	
VELOCITY (943) (RAD/SEC)	4000	84.7	84.0	84.1	83.4	81.3	79.3	77.5	75.1	74.4	73.3	70.6	55.2	123.9	
VELOCITY (943) (RAD/SEC)	5000	93.7	92.7	90.3	91.4	89.6	89.0	85.5	83.8	83.9	82.7	80.6	75.4	123.9	
VELOCITY (942) (RAD/SEC)	6300	93.5	90.5	90.4	89.2	88.4	86.4	83.2	81.8	80.6	79.6	76.6	73.7	123.9	
VELOCITY (1206) (RAD/SEC)	8000	90.6	92.9	91.8	93.7	91.4	91.6	88.6	86.6	83.3	84.5	83.0	57.7	123.9	
NO. OF BLADES 16	10000	91.0	93.6	93.9	93.6	93.5	92.2	89.6	87.4	85.2	84.0	83.0	73.1	123.9	
FAA TIP SPEED 786. FT/SEC	12500	91.8	91.5	91.8	91.0	93.5	93.3	93.3	87.6	85.4	84.2	82.6	77.9	123.9	
	16000	92.1	89.2	92.0	91.0	92.3	92.9	91.8	85.0	82.2	81.3	81.8	77.5	123.9	
	20000	84.5	83.7	89.4	91.9	91.9	91.3	89.5	87.1	85.7	81.5	80.1	72.7	123.9	
	25000	87.9	87.3	88.7	90.8	91.1	89.9	83.5	82.1	84.2	80.3	77.5	74.9	123.9	
	31500	85.7	85.6	86.9	85.6	89.8	88.6	85.6	83.6	81.6	75.4	75.4	73.3	123.9	
	40000	85.5	84.4	85.6	87.5	87.6	86.9	85.1	81.6	81.5	77.5	75.3	71.4	123.9	
OVERALL MEASURED		103.2	102.9	103.1	103.2	102.9	102.2	100.0	97.8	94.5	94.8	92.4	89.0	103.0	
OVERALL CALCULATED		115.6	115.4	115.6	114.4	113.3	113.3	110.9	106.6	107.9	106.9	103.0	99.9	103.0	

Run 19/Reading 16

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 03 DAY 0 HR: 01:0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% RES. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

SPL INPUT AT STD	FREQ. (Hz)											ANGLE (DEG)				
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	30.	60.	90.
50	37.7	45.1	50.6	53.3	54.0	52.5	53.5	53.2	52.3	51.9	51.3	51.3	0.	30.	60.	90.
63	41.5	49.4	55.1	58.0	57.1	57.4	57.9	56.8	56.3	55.3	52.3	51.1	0.	30.	60.	90.
SIDELINE 500 FT. (192.40 M)	44.3	52.3	58.2	59.0	61.1	61.9	62.7	62.6	61.8	59.1	55.4	55.4	0.	30.	60.	90.
NFA 250 RPM (160 RAD/SEC)	49.4	55.5	61.3	61.7	62.1	62.4	63.2	63.0	62.4	59.7	55.0	55.0	0.	30.	60.	90.
NFA 250 RPM (265 RAD/SEC)	45.3	52.7	58.6	60.5	61.3	61.6	62.6	62.9	62.3	59.6	55.3	54.5	0.	30.	60.	90.
NFA 324 RPM (265 RAD/SEC)	45.3	53.4	59.3	61.2	62.1	62.7	62.5	61.1	59.6	55.7	53.1	53.1	0.	30.	60.	90.
NFA 324 RPM (349 RAD/SEC)	42.3	49.5	55.4	55.8	57.5	58.1	58.8	58.4	55.5	51.4	48.6	48.6	0.	30.	60.	90.
AIRFLOW 500	37.7	43.0	49.1	51.5	52.1	52.2	51.7	51.3	50.3	48.4	45.5	45.5	0.	30.	60.	90.
AIRFLOW 630	37.7	43.4	49.5	52.7	53.8	53.2	52.5	51.6	50.5	47.4	43.3	43.3	0.	30.	60.	90.
AIRFLOW 800	47.4	53.2	59.3	60.0	61.4	62.3	62.1	60.3	58.5	54.8	51.1	51.1	0.	30.	60.	90.
VEHICLE UTASIM 1000	35.7	41.3	47.2	48.8	51.0	51.7	52.6	52.2	50.0	46.3	42.7	42.7	0.	30.	60.	90.
CONFIG 1000	35.7	41.3	47.2	48.8	51.0	51.7	52.6	52.2	50.0	46.3	42.7	42.7	0.	30.	60.	90.
LOC SCHENECTADY 1600	39.7	45.0	51.0	53.3	53.3	53.8	53.4	52.4	50.5	46.8	43.2	43.2	0.	30.	60.	90.
DATE 06-09-75 2500	34.4	40.8	46.2	48.9	49.8	50.4	50.2	49.9	48.9	45.7	42.1	42.1	0.	30.	60.	90.
RUN 19/16 2500	34.2	40.6	46.0	48.7	49.5	50.4	50.0	49.6	48.6	45.4	41.8	41.8	0.	30.	60.	90.
TAPE X37070 3130	39.7	45.9	51.4	54.4	54.5	54.7	52.7	51.6	50.3	46.4	42.8	42.8	0.	30.	60.	90.
FAN TIP SPEED 4000	23.4	28.7	34.3	36.8	37.3	37.3	35.3	34.9	33.6	30.8	27.2	27.2	0.	30.	60.	90.
786 FT/SEC 5000	41.7	48.4	54.6	56.5	57.1	57.4	52.0	51.0	49.1	45.6	42.1	42.1	0.	30.	60.	90.
6000 3.00	34.6	40.3	46.0	48.4	49.4	50.3	49.0	48.0	46.1	42.6	39.1	39.1	0.	30.	60.	90.
2000 23.9	43.3	49.2	54.9	56.4	56.9	56.6	50.0	49.1	47.2	43.7	40.2	40.2	0.	30.	60.	90.
1000 13.0	33.3	39.2	44.9	46.4	46.9	46.6	40.0	39.1	37.2	33.7	30.2	30.2	0.	30.	60.	90.
OVERALL CALCULATED	35.7	41.9	47.6	50.3	50.3	50.3	46.7	45.7	43.8	40.3	36.8	36.8	0.	30.	60.	90.
PAGE	35.7	41.9	47.6	50.3	50.3	50.3	46.7	45.7	43.8	40.3	36.8	36.8	0.	30.	60.	90.





		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT OEL. NUM. DAT)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	59.4	63.4	67.5	68.4	67.6	67.9	70.1	68.7	69.3	68.9							
SIDELINE 500. FT.	80	59.4	62.8	66.2	68.2	70.9	70.9	69.9	67.0	65.6	64.0							
(152.40 M)	100	60.1	65.2	66.6	66.4	66.9	69.3	70.7	70.4	68.7	67.8							
NFA 1985. RPM	125	54.1	59.1	63.5	65.2	65.2	65.3	64.3	64.2	63.1	62.8							
( 208. RAD/SEC)	160	50.1	55.7	57.9	58.9	59.4	59.8	60.1	59.8	57.3	56.9							
NFK 3548. RPM	200	50.8	57.3	61.1	62.1	62.5	61.7	60.9	59.3	57.1	61.7							
( 204. RAD/SEC)	250	47.5	57.1	62.5	64.4	64.0	62.7	61.9	59.9	57.7	55.2							
NFD 3244. RPM	315	44.8	55.7	62.7	64.8	64.0	63.5	61.5	58.9	55.9	55.9							
( 340. RAD/SEC)	400	45.7	55.5	62.8	64.7	65.2	63.8	62.3	60.0	56.0	53.2							
AIRFLOW RATIO	500	43.8	53.5	62.5	64.9	64.9	62.8	61.5	59.3	55.5	51.5							
WF/WH 12.60	630	48.7	59.5	68.8	71.1	69.3	67.5	66.0	64.8	59.7	54.7							
	800	49.4	59.9	68.1	70.4	69.2	68.2	65.0	62.5	58.4	54.4							
VEHICLE UTHSIM	1000	47.2	58.2	64.3	68.2	67.6	64.8	62.7	59.5	56.3	52.6							
CONFIG G02	1250	51.9	63.0	69.9	74.9	77.6	69.7	68.6	65.6	62.4	60.7							
LOC SCHENECTARY	1600	46.5	58.5	65.4	70.2	70.5	65.1	63.3	60.4	57.1	54.9							
DATE 6/30/75	2000	44.3	56.6	62.7	67.5	66.7	64.4	61.5	58.1	55.6	52.5							
RUN 26/4	2500	43.3	56.4	63.2	66.9	67.3	66.1	62.7	58.4	55.4	52.2							
TAPE	3150	40.9	56.0	63.2	66.2	67.3	66.5	63.4	59.3	55.5	52.0							
FAN TIP SPEED	4000	37.7	52.8	59.6	63.5	64.7	63.3	62.0	57.6	53.6	49.9							
615. FT/SEC	5000	34.1	49.8	57.9	62.2	63.8	63.0	62.8	57.1	53.2	48.9							
	6300	27.4	45.4	54.7	59.7	62.2	61.8	61.8	56.4	52.4	47.0							
	8000	19.2	39.5	50.6	55.8	58.8	58.3	58.5	54.1	49.4	44.7							
	10000	5.8	31.6	44.3	50.4	53.2	54.5	54.7	49.6	44.8	40.6							
OVERALL CALCULATED		67.6	73.2	78.3	81.2	82.1	80.1	79.5	77.8	76.1	74.7							
PND8		69.3	81.1	83.0	91.3	92.6	90.7	88.8	85.3	81.9	78.9							

	50	69.2	72.4	76.1	76.8	75.9	76.1	78.3	76.9	77.5	77.2							
SIDELINE 200. FT.	80	69.5	72.0	75.0	76.7	79.3	79.3	78.2	75.4	74.0	72.3							
( 60.96 M)	100	73.0	74.8	74.6	75.4	77.5	80.2	80.9	80.0	78.6	75.7							
	125	70.8	74.9	75.7	75.3	75.6	77.9	79.3	79.0	77.3	76.4							
	160	65.4	69.0	72.9	74.2	74.1	74.1	73.8	72.9	71.8	71.6							
	200	61.4	65.9	67.5	68.1	68.5	68.5	68.9	67.6	66.2	65.8							
	250	62.4	67.7	70.9	71.5	71.6	70.7	69.9	68.3	66.1	70.7							
	315	59.4	67.8	72.5	73.9	73.3	71.9	71.0	69.0	66.8	64.4							
	400	57.1	66.6	72.9	74.6	73.4	72.8	70.7	68.1	65.2	65.3							
	500	53.4	66.7	73.3	74.7	74.8	73.2	71.7	69.4	65.4	62.7							
	630	56.8	65.1	73.1	75.1	74.7	72.4	71.1	64.8	65.0	61.2							
	800	62.3	71.4	79.7	81.4	79.4	77.3	75.8	74.3	69.4	64.6							
	1000	63.4	72.1	79.3	81.0	79.5	78.2	74.9	72.4	68.3	64.5							
	1250	61.7	70.9	75.8	79.1	78.0	75.1	72.8	69.6	66.4	62.8							
	1600	67.0	78.1	81.8	86.1	88.3	80.2	78.9	75.9	72.7	71.2							
	2000	62.4	72.2	77.8	81.8	81.6	75.9	74.0	71.0	67.7	65.7							
	2500	61.0	70.8	75.5	79.4	78.1	75.5	72.4	69.0	68.5	63.6							
	3150	61.3	71.2	76.4	79.2	79.0	77.5	74.0	69.6	66.7	63.6							
	4000	59.7	71.7	77.1	79.1	79.5	78.4	75.1	70.9	67.2	63.9							
	5000	58.6	69.8	74.5	77.3	77.8	75.9	74.4	69.9	66.0	62.5							
	6300	56.0	67.7	73.4	76.5	77.3	76.9	75.6	69.8	66.6	61.9							
	8000	52.7	66.6	72.1	75.5	77.0	76.1	75.8	70.3	66.4	61.3							
	10000	49.7	63.1	70.7	73.9	75.6	74.5	74.2	69.7	65.1	60.9							
OVERALL CALCULATED		43.5	60.2	68.2	71.7	72.9	73.3	73.0	67.7	63.1	59.3							
PND8		78.8	84.7	89.5	92.2	92.8	90.2	89.3	87.0	85.1	83.6							
		85.9	95.9	101.3	103.8	104.1	102.4	100.3	96.7	93.3	90.5							

## Run 26/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. F., 70 PERCENT REL. HUM. DAY)											PROC. DATE - MONTH 7 DAY 22 HR. 0.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
	80																	
RADIAL	17. FT.																	
	( 5. M)	100	95.5	89.8	81.8	83.3	85.0	85.5	88.0	88.3	87.5	86.1						121.5
VEHICLE	UTMSIM	125	95.8	91.8	91.8	91.0	90.5	91.3	92.0	91.1	90.5	90.1						129.8
CONFIG	CO2	160	97.5	97.8	98.5	98.0	95.5	97.5	98.0	97.1	96.5	94.8						138.7
LOC	SCHENECTADY	200	98.0	95.7	95.5	95.0	94.7	94.0	92.7	90.5	88.8	87.3						127.1
DATE	6/30/75	250	101.0	99.0	98.0	96.2	96.5	96.7	97.2	95.5	94.5	91.8						138.2
RUN	26/5	315	99.0	98.7	98.5	97.5	97.0	96.8	97.2	96.5	95.0	94.1						130.5
TAPE		400	95.3	93.8	96.0	96.2	95.2	94.3	92.5	92.3	90.8	89.1						127.4
BAR	30.0 HG	500	91.8	90.3	91.0	90.3	89.7	88.8	88.5	86.8	85.3	83.1						122.3
	(01438. N/M2)	630	91.8	91.3	92.3	92.0	91.2	89.8	89.3	87.6	85.8	83.6						123.4
TAMB	82. DEG F	800	89.8	89.8	92.8	93.3	92.5	90.8	89.8	87.8	86.3	83.3						123.8
	(301. DEG K)	1000	88.3	88.0	92.5	92.5	92.5	90.6	89.3	86.8	84.5	82.1						123.3
T-FT	66. DEG F	1250	86.8	87.5	92.8	93.7	92.7	91.1	89.3	86.6	83.8	81.6						123.6
	(292. DEG K)	1500	85.5	87.3	92.5	94.8	93.5	90.6	89.6	87.2	84.0	80.8						124.0
HACT	11.42 GM/M3	2000	86.3	88.1	91.8	95.5	93.2	91.4	89.1	86.7	83.5	80.1						124.1
	(.01142 KG/M3)	2500	90.5	93.8	96.3	99.7	97.9	96.4	93.4	90.2	86.3	82.6						126.8
NFA	9417. RPM	3150	92.7	95.6	98.5	101.7	100.6	98.3	95.4	92.2	88.5	83.9						130.8
	( 936. RAD/SEC)	4000	93.1	95.3	97.9	100.8	99.6	96.8	93.3	90.2	87.1	83.1						129.7
NFK	9215. RPM	5000	92.3	95.5	97.9	100.7	100.7	97.2	93.6	90.4	87.1	83.5						130.1
	( 965. RAD/SEC)	6300	94.1	96.6	99.1	100.8	100.7	97.2	93.1	90.0	87.2	84.3						130.4
NFD	11517. RPM	8000	93.2	95.8	98.4	100.2	99.2	98.0	94.5	91.2	87.5	84.4						130.1
	(1206. RAD/SEC)	10000	94.1	97.8	100.8	101.2	100.9	99.1	96.5	93.0	88.7	85.7						131.8
NG. OF BLADES	18	12500	94.5	97.1	99.9	100.7	99.7	97.9	96.6	92.2	88.2	85.5						131.3
FAN TIP SPEED	16000	16000	96.5	95.9	97.9	98.7	98.8	97.5	96.5	91.8	88.0	85.7						130.8
	822. FT/SEC	21000	96.0	95.7	98.1	98.8	98.7	97.8	96.8	92.9	88.9	86.4						131.2
		25000	93.0	95.0	97.7	98.4	98.3	97.2	96.6	93.1	89.0	87.2						131.4
		31500	91.7	94.2	97.1	97.9	97.3	97.4	96.4	92.9	88.5	86.5						131.9
		40000	90.8	91.3	95.2	95.4	95.0	94.3	94.2	90.4	86.3	84.0						130.8
		50000	90.4	88.2	90.7	91.2	93.0	91.1	91.8	85.6	83.4	79.5						128.5
		63000	88.9	83.2	84.7	84.4	87.0	86.0	85.9	78.3	79.4	73.2						128.7
		80000	86.1	83.2	83.2	83.6	84.0	83.7	84.6	74.4	74.7	72.6						128.7
OVERALL MEASURED																		
OVERALL CALCULATED		109.1	109.2	111.2	112.3	111.7	110.2	108.8	106.2	103.9	101.8							143.8
PNDB		118.2	119.7	122.1	124.3	123.4	121.4	119.8	116.3	113.4	110.0							

Run 26/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 20 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F = 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
SIDELINE 500. FT. (152.40 M)	50 67.7	72.2	75.6	76.9	75.6	78.4	79.3	78.5	77.8	75.7
NFA 2652. RPM ( 278. RAD/SEC)	63 67.7	69.9	72.3	73.6	74.6	74.7	73.9	71.8	69.9	68.0
NFK 2596. RPM ( 272. RAD/SEC)	80 70.1	72.7	74.5	74.6	76.1	77.2	78.1	76.6	75.4	72.2
NFD 3244. RPM ( 340. RAD/SEC)	100 67.6	72.1	74.7	75.6	76.4	77.0	78.0	77.4	75.7	74.3
AIRFLOW RATIO WF/WH 12:60	125 63.3	66.7	71.9	74.1	74.4	74.3	73.0	73.0	71.3	69.1
VEHICLE UTHS IM CONFIG G02	160 59.3	62.8	66.6	67.9	68.7	68.6	68.8	67.3	65.6	62.9
LCC SCHENECTADY	200 58.7	63.4	67.6	69.4	70.0	69.4	69.4	67.8	65.9	63.2
DATE 6/30/75	250 56.2	61.5	67.7	70.3	71.0	70.2	69.7	67.9	66.2	62.7
RUN 26/5	315 54.0	59.3	67.1	69.3	70.7	69.7	68.9	66.7	64.2	61.2
TAPE	400 51.9	58.4	67.0	70.2	70.7	70.0	68.7	66.2	63.2	60.5
FAN TIP SPEED 822. FT/SEC	500 50.0	57.6	66.4	70.9	71.1	69.2	68.8	66.5	63.2	59.2
	630 54.2	63.6	69.7	75.5	75.3	74.7	72.3	69.3	65.2	61.0
	800 55.6	64.8	71.5	77.1	77.7	76.4	74.0	71.1	67.1	61.9
	1000 55.1	63.8	70.4	75.9	76.2	74.5	71.7	68.7	65.5	60.8
	1250 53.3	63.3	69.8	75.3	77.0	74.6	71.8	68.6	65.1	60.9
	1600 53.9	63.7	70.4	74.8	76.5	74.1	70.7	67.8	64.6	61.2
	2000 51.6	61.9	69.1	73.7	74.6	74.6	71.7	68.6	64.7	60.9
	2500 51.3	63.1	70.6	74.2	75.9	75.3	73.4	70.0	65.5	61.8
	3150 49.8	61.2	69.0	73.0	74.0	73.5	72.9	68.7	64.5	61.1
	4000 48.7	58.0	65.6	69.8	72.1	72.3	72.0	67.5	63.5	60.4
	5000 46.8	57.0	65.2	69.5	71.7	72.1	72.1	68.4	64.2	60.9
	6300 38.8	53.1	62.4	67.2	69.7	70.3	70.5	67.3	62.9	60.2
	8000 29.8	47.3	58.2	63.8	66.2	68.2	68.2	65.1	60.3	57.3
	10000 18.3	37.6	51.2	57.3	60.6	62.1	63.3	59.9	55.4	51.9
OVERALL CALCULATED	75.3	79.6	84.0	87.0	87.9	87.6	87.0	85.1	83.2	80.7
PND8	77.4	86.9	94.1	97.9	99.3	98.8	97.7	94.4	90.7	87.3

	50 77.5	81.2	84.2	85.3	83.9	86.6	87.5	86.7	86.0	83.9
SIDELINE 200. FT. ( 60.96 M)	63 77.7	79.1	81.1	82.2	83.0	83.0	82.2	80.1	78.2	76.3
	80 80.5	82.2	83.5	83.3	84.7	85.7	86.6	85.0	83.9	80.7
	100 78.3	81.8	83.9	84.5	85.1	85.6	86.5	86.0	84.3	82.9
	125 74.3	76.6	81.3	83.2	83.3	83.1	81.7	81.7	80.0	77.9
	160 79.6	73.0	76.2	77.1	77.7	77.5	77.7	76.1	74.4	71.8
	200 70.3	73.8	77.3	78.7	79.1	78.4	78.4	76.8	74.9	72.2
	250 68.1	72.2	77.7	79.9	80.3	79.4	78.8	77.0	75.3	71.9
	315 66.3	70.3	77.3	79.0	80.2	79.0	78.2	75.9	73.4	70.5
	400 64.6	69.6	77.4	80.2	80.3	79.5	78.1	75.6	72.6	70.0
	500 63.0	69.2	77.0	81.0	81.0	78.9	78.3	76.1	72.8	68.9
	630 67.7	75.5	80.6	85.9	85.3	84.6	82.0	79.1	74.9	70.8
	800 69.6	77.0	82.7	87.7	87.9	86.4	83.9	81.0	77.0	72.0
	1000 69.7	76.5	82.8	86.7	86.7	84.8	81.8	78.8	75.6	71.1
	1250 68.4	76.4	81.7	86.5	87.8	85.1	82.1	78.9	75.4	71.4
	1600 69.8	77.3	82.7	86.4	87.5	84.9	81.4	78.4	75.5	72.0
	2000 68.4	76.2	81.9	85.7	86.0	85.7	82.7	79.5	75.6	72.1
	2500 68.8	77.9	84.0	86.5	87.6	86.7	84.6	81.2	76.8	73.3
	3150 68.6	76.9	82.9	85.9	86.3	85.4	84.6	80.4	76.2	73.0
	4000 69.6	75.1	80.6	83.6	85.1	84.9	84.4	79.8	75.9	73.0
	5000 68.7	74.8	80.7	83.8	85.2	85.1	84.8	81.1	76.9	73.9
	6300 64.2	73.2	79.8	83.0	84.6	84.5	84.5	81.2	76.9	74.5
	8000 60.4	70.9	78.3	81.9	83.1	84.4	84.0	80.7	76.1	73.4
	10000 56.0	66.2	75.2	78.6	80.3	80.9	81.6	78.0	73.6	70.6
OVERALL CALCULATED	86.5	90.6	95.0	97.9	98.5	97.9	97.0	94.7	92.4	89.9
PND8	94.7	101.5	107.3	110.3	111.1	110.3	109.2	105.8	102.2	99.0

ORIGINAL PAGE IS  
OF POOR QUALITY



		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. SAT) ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		FREQ. (0.35, 1.05, 3.15, 10, 31.5, 100, 315, 1000, 3150, 10000, 31500)															
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0
		(0.35)	(1.05)	(3.15)	(10)	(31.5)	(100)	(315)	(1000)	(3150)	(10000)	(0)	(0)	(0)	(0)	(0)	
SIDELINE 500 FT.		50	70.9	76.2	78.6	79.9	80.6	75.6	76.0	76.7	76.0	74.4					
(152.40 M)		63	71.9	76.1	78.3	79.4	80.6	77.9	77.1	75.7	74.9	72.4					
NFA 2983 RPM		80	72.6	75.7	78.0	78.6	79.4	80.4	80.1	78.3	77.9	74.7					
(312 PAD/SEC)		100	70.9	75.8	78.7	79.9	79.9	80.7	81.0	80.8	78.4	77.0					
NFK 2911 RPM		125	66.8	70.7	74.9	76.6	77.2	77.3	76.3	75.9	74.5	72.0					
(305 RAD/SEC)		160	63.3	66.8	70.1	71.4	71.9	72.1	72.1	71.2	69.0	66.1					
NFD 3244 RPM		200	62.7	66.7	70.6	72.4	73.0	73.7	72.9	71.0	69.4	66.9					
(340 RAD/SEC)		250	60.2	64.3	70.0	72.6	73.2	73.7	72.4	71.1	69.4	66.1					
AIRFLOW RATIO		315	57.3	62.1	68.9	71.8	72.7	74.5	71.7	69.6	67.4	64.4					
WF/WH 12:50		400	56.1	61.1	68.5	72.5	73.2	75.7	72.2	70.2	66.9	63.7					
VEHICLE CONFIG	UTSIM G02	500	53.2	59.9	67.1	72.1	73.1	73.7	71.0	69.0	65.9	62.7					
LOC SCHENECTADY		630	53.5	60.1	66.5	72.8	73.3	73.0	70.3	68.5	65.9	61.9					
DATE 6/30/75		800	55.1	61.8	68.7	74.1	74.4	73.6	71.5	69.2	65.8	62.1					
RUN 26/6		1000	59.2	66.9	73.5	78.4	79.3	78.3	75.7	72.4	69.7	65.5					
TAPE		1250	58.4	66.6	73.4	77.6	79.3	77.9	75.1	71.6	68.8	64.1					
FAN TIP SPEED		1600	57.0	65.4	72.1	76.0	78.5	76.9	74.6	71.4	68.6	64.1					
924 FT/SEC		2000	60.5	69.7	76.1	80.7	82.0	80.1	77.7	73.8	70.3	66.9					
		2500	54.0	65.0	71.1	74.9	76.3	76.3	75.0	71.3	67.9	63.9					
		3150	52.4	65.1	72.2	75.7	77.8	78.2	76.9	73.5	69.3	65.7					
		4000	49.7	62.7	70.0	74.0	76.0	75.6	75.3	71.6	67.6	64.4					
		5000	47.1	60.0	67.9	72.2	74.1	73.8	74.9	71.1	68.1	63.4					
		6300	40.4	56.4	65.2	70.5	72.3	73.4	73.9	70.5	67.0	63.0					
		8000	33.1	50.5	60.9	66.7	69.6	70.2	71.4	68.4	64.7	61.0					
		10000	21.9	42.6	55.1	61.8	64.9	67.5	68.2	65.0	61.0	57.5					
OVERALL CALCULATED			78.7	83.4	87.2	89.8	90.9	90.3	89.2	87.3	85.4	82.0					
PND8			82.0	90.7	97.1	101.2	102.6	102.2	101.0	98.0	94.6	91.1					
SIDELINE 200 FT.		50	80.7	85.2	87.3	88.3	88.9	83.8	84.3	84.9	84.3	82.6					
(60.96 M)		63	82.0	85.3	87.1	88.0	89.0	86.3	85.4	84.1	83.2	80.8					
		80	83.0	85.2	87.0	87.3	87.9	88.9	88.6	86.7	86.3	83.2					
		100	81.5	85.5	87.9	88.8	88.6	89.4	89.5	89.2	87.0	85.6					
		125	77.8	80.6	84.3	85.7	86.0	86.1	85.0	84.6	83.2	80.8					
		160	74.6	77.0	79.7	80.6	81.0	81.0	80.9	80.1	77.9	75.0					
		200	74.3	77.1	80.3	81.7	82.1	82.7	81.9	80.0	78.3	75.9					
		250	72.1	74.9	79.9	82.1	82.5	82.9	81.5	80.2	78.5	75.3					
		315	69.6	73.0	79.0	81.5	82.2	83.8	80.9	78.8	76.7	73.7					
		400	68.0	72.3	78.9	82.4	82.8	85.2	81.6	79.6	76.3	73.2					
		500	66.3	71.4	77.8	82.3	83.0	83.4	80.6	78.5	75.5	72.3					
		630	67.0	72.0	77.4	83.1	83.4	82.8	80.0	78.2	75.6	71.8					
		800	69.1	74.0	80.0	84.7	84.7	83.7	81.4	79.1	75.8	72.2					
		1000	73.7	79.5	85.0	89.3	89.8	88.6	85.8	82.5	79.9	75.8					
		1250	73.5	79.7	85.3	88.8	90.1	88.4	85.4	81.9	79.2	74.6					
		1600	72.9	79.1	84.4	87.5	89.6	87.7	85.2	82.0	79.2	74.9					
		2000	77.2	83.9	88.9	92.6	93.4	91.2	88.7	84.7	81.3	78.0					
		2500	71.6	79.8	84.3	87.2	88.0	87.8	86.2	82.5	79.2	75.3					
		3150	71.2	80.8	86.1	88.6	90.1	90.1	88.6	85.1	81.0	77.6					
		4000	70.6	79.7	85.0	87.8	89.1	88.2	87.7	83.9	80.0	77.0					
		5000	69.1	77.8	83.4	86.5	87.6	86.9	87.7	83.8	80.9	76.4					
		6300	65.8	76.5	82.6	86.3	87.1	87.6	87.9	84.3	80.9	78.1					
		8000	63.6	74.2	81.0	84.8	86.5	86.3	87.1	84.0	80.5	78.0					
		10000	59.7	71.2	79.1	83.1	84.6	86.2	86.4	83.1	79.2	76.2					
OVERALL CALCULATED			89.8	94.3	98.1	100.7	101.5	100.8	99.7	97.3	95.0	92.3					
PND8			98.4	105.0	110.1	113.3	114.2	113.8	112.5	109.4	106.1	102.8					

## Run 26/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)										PROC. DATE = MONTH 7 DAY 22 HR. 8.6								
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																			
	63																			
RADIAL 17. FT.	80																			
VEHICLE 5. M)	100	99.3	97.5	87.5	85.8	87.3	88.8	90.3	90.5	90.0	88.3									
CONFIG UTHSIM	125	99.5	98.3	92.5	92.0	92.0	93.3	93.3	92.5	92.0	91.5									
DATE 6/30/75	160	99.3	98.8	97.3	96.3	94.5	93.8	94.3	92.5	92.3	91.3									
RUN 26/7	200	104.5	104.0	105.5	104.7	104.5	102.7	100.5	98.7	96.0	95.5									
TAPE	250	104.7	104.2	104.0	102.5	102.5	102.0	101.2	99.7	98.0	95.2									
BAR 30.0 HG	315	102.5	103.7	104.0	103.2	102.0	102.3	102.0	101.0	99.5	98.5									
101436. N/M2)	400	99.3	99.8	101.5	102.0	101.0	100.3	98.8	98.5	96.0	94.7									
TAMB 89. DEG F	500	96.5	96.3	95.8	96.8	95.7	95.0	94.3	92.8	91.0	88.8									
(305. DEG K)	630	96.5	96.5	97.3	98.0	96.7	96.1	95.0	93.8	92.0	90.0									
TMET 68. DEG F	800	95.0	94.8	96.5	98.5	97.2	96.1	95.0	93.5	91.5	89.5									
(293. DEG K)	1000	92.0	93.0	95.8	97.3	96.2	95.1	93.8	92.0	89.2	87.3									
HACT11.06 GM/M3	1250	91.5	92.1	95.8	98.3	97.5	96.1	95.1	92.8	89.8	86.8									
(.01106 KG/M3)	1600	90.3	91.3	94.5	97.8	97.0	95.4	93.9	91.6	89.0	86.6									
NFA 11767. RPM	2000	91.3	92.1	94.5	98.5	97.7	96.1	93.9	91.9	89.5	86.1									
(1232. RAD/SEC)	2500	93.8	94.1	96.0	99.0	98.7	96.4	94.4	92.2	89.2	85.6									
NFK 11441. RPM	3150	98.5	98.8	100.0	102.4	103.2	100.3	98.1	95.2	91.4	87.8									
(1198. RAD/SEC)	4000	101.4	102.0	102.7	104.8	105.3	102.8	99.6	96.9	93.6	89.5									
NFD 11517. RPM	5000	100.8	101.2	102.9	104.3	104.7	102.0	99.3	95.9	93.0	89.2									
(1206. RAD/SEC)	6300	102.4	103.7	104.6	106.1	106.0	103.9	101.1	97.5	94.2	91.0									
NO. OF BLADES 18	8000	102.2	103.1	104.5	105.3	104.7	103.8	100.8	97.7	94.2	91.1									
FAN TIP SPEED	10000	99.9	103.1	105.1	105.7	105.7	105.4	103.8	100.5	96.5	93.4									
1027. FT/SEC	12500	99.6	102.9	104.2	105.0	105.1	104.2	102.7	99.7	95.7	92.5									
	16000	98.3	101.5	102.8	103.6	103.6	103.1	102.6	98.6	95.3	92.9									
	20000	96.4	101.3	103.2	104.2	103.6	103.5	102.9	100.0	96.2	94.2									
	25000	96.0	101.0	102.9	103.6	103.8	103.4	103.1	100.3	96.7	95.1									
	31500	94.5	100.5	102.9	103.5	102.9	103.4	103.2	99.9	96.7	94.7									
	40000	88.8	98.0	101.1	101.1	101.4	101.4	101.9	98.0	94.7	92.9									
	50000	84.2	96.0	97.5	97.6	99.6	98.7	99.7	94.4	92.2	89.4									
	63000	81.7	89.8	91.5	91.9	94.1	93.1	93.7	88.0	86.9	83.7									
	80000	84.0	86.3	86.5	86.9	87.9	87.8	87.7	83.4	85.2	82.7									
OVERALL MEASURED																				
OVERALL CALCULATED		113.7	114.9	116.0	116.8	116.6	115.6	114.4	111.7	108.9	106.8									
PND		124.8	125.3	126.2	127.9	127.9	126.0	123.8	121.2	118.4	115.3									

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DATA)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50 69.4	73.2	74.4	75.1	74.6	74.6	75.5	73.9	73.5	72.1					
NFA 3314. RPM	63 74.2	78.1	82.3	83.4	84.4	83.4	81.6	80.0	77.1	76.2					
( 347. RAD/SEC)	80 73.8	78.0	80.5	80.9	82.1	82.4	82.1	80.8	78.9	75.7					
NFK 3223. RPM	100 71.1	77.1	80.2	81.4	81.4	82.5	82.7	81.9	80.2	78.7					
( 337. RAD/SEC)	125 67.3	72.7	77.4	79.9	80.2	80.3	79.3	79.2	76.5	74.8					
NFD 3244. RPM	160 64.0	68.8	72.4	74.4	74.7	74.8	74.6	73.2	71.3	68.6					
( 340. RAD/SEC)	200 63.5	68.7	72.6	75.4	75.5	75.7	75.1	74.1	72.1	69.6					
AIRFLOW RATIO	250 61.4	66.5	71.5	75.6	75.7	75.4	74.9	73.6	71.4	68.9					
WF/WM 12.60	315 57.6	64.3	70.4	74.0	74.4	74.2	73.4	71.9	68.9	66.4					
800 56.6	62.9	70.0	74.7	75.4	75.0	74.5	72.4	69.2	65.7						
1000 54.7	61.6	68.4	73.9	74.6	74.0	73.0	71.0	68.2	65.2						
VEHICLE UTHS IN	800 56.6	63.3	69.0	74.4	75.7	74.4	73.0	71.0	67.8	63.6					
CONFIG CO2	1250 60.4	67.4	72.5	77.4	79.8	78.1	76.4	73.7	69.7	65.5					
LOC SCHENECTADY	1600 62.5	69.9	74.6	79.4	81.1	80.1	77.6	75.1	71.6	66.9					
DATE 6/30/75	2000 60.8	69.7	75.2	79.4	81.2	80.4	78.2	74.8	71.3	67.4					
RUN 26/7	2500 59.3	68.3	74.4	78.1	79.6	79.9	77.5	74.6	70.8	67.2					
TAPE	3150 54.9	66.9	73.9	77.8	79.8	80.8	79.9	76.8	72.5	68.8					
FAN TIP SPEED	4000 51.5	64.7	71.6	75.8	78.0	78.6	77.8	75.1	70.9	66.9					
1027. FT/SEC	5000 48.7	62.3	69.4	73.8	76.2	77.2	77.4	73.7	70.2	67.0					
6300 41.5	58.8	67.3	72.4	74.4	76.0	76.3	73.6	69.6	66.7						
8000 33.2	53.2	63.1	68.6	71.8	73.3	74.0	71.6	67.6	65.0						
10000 29.6	45.3	57.6	64.0	67.1	69.9	70.9	68.0	64.4	61.2						
OVERALL CALCULATED	79.6	84.7	88.8	91.3	92.5	92.3	91.4	89.6	87.0	84.6					
PNDP	83.4	92.2	96.4	102.3	104.1	104.4	103.5	100.8	97.2	93.7					

SIDELINE 200. FT. ( 60.96 M)	50 79.2	82.2	83.0	83.6	82.9	82.8	83.8	82.1	81.8	80.3					
63 84.2	87.3	91.1	92.0	92.8	91.8	89.9	88.3	85.4	84.5						
80 84.2	87.4	89.5	89.8	90.7	90.9	90.8	89.2	87.3	84.2						
100 81.8	86.8	89.4	90.3	90.1	91.1	91.3	90.4	88.8	87.4						
125 78.3	82.6	86.8	88.9	89.0	89.1	88.0	87.9	85.2	83.5						
160 75.3	79.0	81.9	83.6	83.7	83.8	83.4	82.1	80.1	77.5						
200 75.1	79.1	82.3	84.7	84.6	84.7	84.1	83.0	81.1	78.7						
250 73.4	77.2	81.4	85.1	85.0	84.6	84.0	82.7	80.5	78.1						
315 70.1	75.3	80.5	83.8	83.9	83.5	82.7	81.1	78.2	75.7						
400 69.3	74.1	80.4	84.7	85.1	84.5	83.9	81.8	78.6	75.2						
500 67.8	73.2	79.0	84.0	84.5	83.6	82.6	80.5	77.7	74.8						
630 68.5	73.7	78.9	84.6	85.1	84.3	82.5	80.7	78.1	74.3						
800 70.6	75.5	80.2	85.0	86.0	84.4	82.9	80.9	77.8	73.7						
1000 75.0	80.0	84.0	88.3	90.3	88.3	86.6	83.8	79.9	75.8						
1250 77.5	83.0	86.5	90.6	92.3	90.7	87.9	85.4	81.9	77.4						
1600 76.4	81.8	86.4	89.8	91.6	89.7	87.5	84.2	81.2	76.9						
2000 77.5	83.9	87.9	91.4	92.7	91.5	89.2	85.7	82.3	78.6						
2500 76.8	83.1	87.6	90.4	91.3	91.3	88.8	85.8	82.2	78.6						
3150 73.8	82.6	87.9	90.7	92.1	92.7	91.6	88.4	84.3	80.7						
4000 72.4	81.8	86.5	89.6	91.1	91.3	90.2	87.4	83.3	79.6						
5000 70.6	80.2	85.0	88.1	89.7	90.2	90.2	86.4	82.9	80.0						
6300 66.9	78.9	84.7	88.2	89.2	90.2	90.2	87.4	83.5	80.9						
8000 63.7	76.8	83.2	86.7	88.7	89.5	89.8	87.2	83.4	81.1						
10000 58.4	73.9	81.5	85.3	86.8	88.7	89.1	86.1	82.7	79.9						
OVERALL CALCULATED	91.0	95.8	99.6	102.1	103.2	102.9	101.9	99.7	96.8	94.3					
PNDP	100.1	106.9	111.7	114.7	115.0	116.1	115.0	112.2	108.7	105.4					





Run 26/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 8.6

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DATA)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.
SIDELINE 900. FT.		50	69.7	76.5	76.6	80.4	80.3	76.1	76.0	75.2	74.6	73.4					
	(152.40 M.)	63	69.2	73.1	74.8	76.4	76.9	76.7	75.1	73.2	71.6	69.5					
		80	71.6	75.0	76.8	77.1	78.1	78.9	79.1	78.0	76.7	73.7					
NFA	2851. RPM	125	66.1	69.2	73.4	75.9	76.2	76.6	75.3	74.4	73.6	70.8					
	( 298. RAD/SEC)	160	62.5	65.1	68.6	69.9	70.4	70.8	70.3	69.0	67.1	64.9					
NFK	2779. RPM	200	61.5	65.2	69.3	71.1	71.7	71.7	70.9	70.0	68.4	66.2					
	( 291. RAD/SEC)	250	58.9	63.3	69.0	71.8	72.2	72.2	71.7	69.6	67.9	65.2					
NFD	3244. RPM	315	57.0	61.1	68.1	71.0	71.7	71.5	70.4	68.1	65.7	63.0					
	( 340. RAD/SEC)	400	54.1	59.9	68.0	71.7	72.4	72.0	70.5	68.7	65.7	62.2					
AIRFLOW RATIO		500	51.7	58.9	66.4	71.4	72.1	71.5	69.8	67.7	64.5	61.0					
	WF/WH 12.60	630	54.5	62.1	69.0	74.3	74.6	73.7	71.6	68.8	65.7	61.0					
		800	58.3	66.3	73.0	77.8	79.2	77.1	76.3	72.5	70.1	63.9					
VEHICLE UTMSIM		1000	57.1	65.6	72.4	76.9	78.7	76.8	73.9	70.9	68.0	63.3					
	COU2	1250	56.3	64.9	71.1	75.6	77.8	75.9	74.0	70.6	67.3	63.4					
LOC SCHENECTADY		1600	58.1	67.2	74.2	78.8	80.0	78.0	75.2	71.3	68.8	64.7					
	DATE 6/30/75	2000	53.1	63.7	70.6	74.0	75.8	75.6	73.7	70.3	66.7	63.2					
	RUN 26/8	2500	52.8	64.9	72.1	75.4	77.4	77.5	75.4	72.5	68.1	64.3					
	TAPE	3150	50.8	62.7	70.0	73.7	75.8	75.8	74.7	71.4	67.3	63.6					
FAH TIP SPEED		4000	46.2	59.3	67.8	71.8	74.1	73.8	74.2	69.5	66.5	62.6					
	863. FT/SEC	5000	43.5	58.7	66.9	71.2	73.9	73.9	74.5	70.3	66.6	63.5					
		6300	37.8	54.8	64.4	68.9	72.0	72.0	72.3	69.5	65.7	62.7					
		8000	28.3	49.3	60.7	65.6	69.0	70.5	70.2	67.3	63.1	59.5					
		10000	12.1	39.9	52.5	58.8	63.4	64.4	65.8	62.1	58.9	54.6					
OVERALL CALCULATED			77.3	82.4	86.1	88.8	89.9	89.1	88.3	86.2	84.3	81.7					
	PND8		79.4	88.8	95.7	99.3	101.1	100.8	99.6	96.5	93.1	89.6					

		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	10000	
SIDELINE 200. FT.		79.5	85.5	87.3	88.8	88.6	84.3	84.3	83.4	82.8	81.7															
	( 60.96 M.)	79.2	82.3	83.6	85.0	85.3	85.0	83.4	81.6	80.0	77.8															
		82.0	84.4	85.8	85.8	86.7	87.4	87.6	86.5	85.1	82.2															
		80.8	84.5	86.7	87.3	87.4	87.6	88.8	87.9	86.6	84.7															
		77.1	79.1	82.8	84.9	85.0	85.3	84.0	83.1	82.3	79.6															
		73.8	75.2	78.2	79.1	79.5	79.7	79.2	77.8	75.9	73.8															
		73.1	75.6	79.1	80.5	80.9	80.7	79.9	79.0	77.4	75.2															
		70.9	73.9	78.9	81.4	81.5	81.4	80.8	78.7	77.0	74.4															
		69.3	72.0	76.3	80.8	81.2	80.8	79.7	77.3	74.9	72.3															
		66.8	71.1	78.4	81.7	82.1	81.5	79.9	78.1	75.1	71.7															
		64.8	70.4	77.0	81.5	82.0	81.1	79.3	77.3	74.0	70.7															
		68.0	74.0	79.9	84.6	84.6	83.6	81.3	78.5	75.4	70.8															
		72.3	78.5	84.2	88.5	89.4	87.2	86.2	82.4	80.0	74.0															
		71.7	78.2	84.0	87.7	89.2	87.0	84.1	81.0	78.1	73.6															
		71.4	77.9	83.0	86.8	88.5	86.4	84.4	80.9	77.7	73.9															
		74.0	80.8	86.3	90.4	91.1	89.4	86.9	81.9	79.5	75.5															
		69.9	77.9	83.4	85.9	87.2	86.7	84.7	81.2	77.6	74.3															
		70.3	79.7	85.3	87.8	89.1	88.9	86.6	83.7	79.3	75.8															
		69.6	78.4	83.9	86.6	88.1	87.7	86.4	83.1	79.0	75.5															
		67.1	76.3	82.8	85.6	87.1	86.4	86.6	81.8	78.9	75.2															
		65.5	76.5	82.5	85.5	87.4	86.9	87.3	83.0	79.4	76.7															
		63.2	74.9	81.8	84.7	86.8	86.3	86.2	83.4	79.6	77.0															
		58.9	72.9	80.8	83.7	85.9	86.6	86.0	82.9	78.8	75.7															
		49.8	68.4	76.5	80.2	83.1	83.1	84.1	80.2	77.1	73.4															
OVERALL CALCULATED			88.4	93.0	96.9	99.5	100.5	99.6	98.7	96.1	93.8	91.1														
	PND8		95.5	103.3	108.8	111.6	112.9	112.3	111.2	107.9	104.6	101.3														

ORIGINAL PAGE IS  
OF POOR QUALITY

Run 26/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)											PROC. DATE - MONTH 7 DAY 22 HR. 8.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.	50																	
	63																	
	80																	
VEHICLE 5. M)	100	96.8	90.8	82.8	83.8	85.5	87.0	88.5	89.1	88.3	86.6							122.3
CONFIC UTHSIM	125	97.0	92.8	91.3	90.8	90.8	92.0	92.0	91.3	91.0	90.3							123.4
LOC SCHENECTADY	160	98.5	98.8	98.8	99.5	97.3	96.5	96.5	95.8	95.0	94.3							130.7
DATE 6/30/75	200	99.0	96.5	96.2	96.0	95.2	94.7	92.7	90.5	89.0	88.1							127.8
RUN 26/9	250	101.7	99.7	98.5	97.0	97.2	97.2	97.5	95.8	94.5	92.0							130.8
TAPE	315	99.5	100.0	100.2	98.7	98.0	97.8	98.5	97.3	95.8	95.1							131.8
BAR 30.0 HG	400	96.0	95.0	96.5	97.0	96.0	95.3	93.8	93.3	92.0	89.8							128.3
(01438. N/M2)	500	93.5	91.0	92.0	91.3	90.7	89.8	89.5	88.3	86.3	84.1							123.4
TAMP 84. DEG F	630	93.0	91.8	92.8	93.0	92.0	91.1	90.3	88.8	87.0	84.6							124.3
(302. DEG K)	800	91.5	90.5	93.5	93.8	92.7	92.1	90.5	88.8	87.0	84.6							124.8
TRET 67. DEG F	1000	89.0	89.0	93.2	93.5	93.2	92.1	90.3	87.8	85.0	82.3							124.3
(293. DEG K)	1250	87.3	88.6	94.3	95.5	94.0	92.3	90.6	88.4	85.0	83.1							129.1
MACT 11.66 GM/M3	1600	86.5	87.8	92.5	95.0	94.2	92.4	91.1	87.9	84.8	82.1							124.7
(.01166 KG/M3)	2000	86.0	88.8	92.0	95.5	94.2	91.6	89.9	87.5	84.8	80.9							124.6
NFA 5758. RPM	2500	90.5	92.8	96.3	99.0	96.7	95.1	92.6	90.0	86.5	82.9							127.8
(1021. RAD/SEC)	3150	93.2	98.6	99.3	102.7	101.1	98.6	95.9	92.5	97.2	86.1							131.8
NFK 9529. RPM	4000	93.9	96.5	99.2	101.8	101.1	97.5	94.8	91.5	86.1	84.8							130.9
(998. RAD/SEC)	5000	93.1	95.7	98.9	100.5	100.5	97.7	94.8	91.2	87.8	85.5							130.4
NFD 11517. RPM	6300	96.1	98.4	101.6	103.5	102.2	99.2	95.6	92.0	89.2	87.3							132.8
(1206. RAD/SEC)	8000	93.2	98.6	99.2	100.5	99.5	98.8	95.8	92.5	88.5	85.7							130.7
NO. OF BLADES 18	10000	94.1	98.5	101.3	102.2	101.7	100.6	98.3	94.0	89.7	87.4							132.8
FAN TIP SPEED	12500	94.3	97.4	100.7	101.2	101.2	98.9	97.9	93.7	89.5	87.0							132.2
852. FT/SEC	16000	92.7	96.8	99.2	100.0	99.3	98.3	97.5	93.3	89.0	86.9							131.4
	20000	91.0	96.9	99.1	99.5	99.4	98.4	98.3	94.4	89.9	87.9							132.0
	25000	90.5	96.0	98.4	98.9	99.1	98.2	98.3	94.4	90.2	88.4							132.4
	31500	88.7	94.7	98.1	98.7	98.3	98.1	97.9	94.4	90.5	87.2							132.9
	40000	82.9	93.1	95.7	95.9	96.3	95.5	96.0	90.9	87.5	85.3							131.9
	50000	79.7	89.7	91.9	92.3	94.0	92.6	93.6	87.2	85.0	81.6							130.7
	63000	79.6	84.5	86.2	86.2	88.3	87.1	87.5	80.3	78.9	74.8							127.8
	80000	82.9	83.7	83.3	83.7	84.1	84.3	84.7	75.2	75.0	73.0							128.7
OVERALL MEASURED																		
OVERALL CALCULATED		109.3	110.1	112.1	113.1	112.4	111.0	109.8	106.9	105.1	102.6							144.7
PND8		119.1	120.6	123.1	125.1	124.0	121.9	119.8	116.9	117.6	111.6							

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 22 HR. 8.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 76 PERCENT REL. HUM. 5AV)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDELINE 500. FT. (152.40 M.)	50	68.7	73.2	75.9	78.4	77.3	77.4	77.8	77.2	76.3	75.2
NFA 2748. RPM (288. RAD/SEC)	63	68.7	70.6	73.1	74.8	75.1	75.4	73.9	71.8	70.1	68.7
NFK 2684. RPM (281. RAD/SEC)	80	70.8	73.5	75.0	75.4	78.9	77.7	78.4	76.8	75.4	72.5
NFD 3244. RPM (340. RAD/SEC)	100	68.1	73.3	76.5	76.9	77.4	78.0	79.2	78.2	76.5	75.3
AIRFLOW RATIO	125	64.1	68.0	72.4	74.9	75.2	75.3	74.3	74.0	72.6	69.8
WF/WH 12.60	160	61.0	63.6	67.6	68.9	69.7	69.6	69.8	68.8	66.6	63.9
VEHICLE CONFIG	200	60.0	63.9	68.1	70.4	70.7	70.7	70.4	69.1	67.1	64.2
UTWSIM G02	250	57.9	62.3	68.5	70.8	71.2	71.4	70.4	68.9	66.9	63.9
LCC SCHEMECTARY	315	54.8	60.3	67.9	70.3	71.4	71.2	69.9	67.7	64.7	61.5
DATE 6/30/75	400	52.4	59.4	68.5	72.0	71.9	71.2	70.0	68.0	64.5	62.0
RUN 26/9	500	51.0	58.1	66.4	71.1	71.9	71.0	70.3	67.3	64.0	60.7
TAPE	630	54.2	62.6	69.7	74.8	74.1	73.5	71.6	69.1	65.4	61.2
FAN TIP SPEED	800	56.1	65.8	72.2	78.1	78.2	76.6	74.5	71.3	67.9	64.2
852. FT/SEC	1000	55.9	65.1	71.7	76.9	77.7	75.3	73.2	70.0	66.5	62.6
OVERALL CALCULATED	1250	54.1	63.6	70.8	75.1	76.8	75.1	72.8	69.4	65.8	62.9
PNDB	1600	55.9	65.4	72.9	77.6	78.0	76.1	73.2	69.8	66.2	64.2
	2000	51.6	62.7	69.8	74.0	74.8	75.3	73.0	69.9	65.7	62.2
	2500	51.3	63.9	71.3	75.2	76.6	76.8	75.1	71.0	66.6	63.6
	3150	49.5	61.4	69.8	73.5	75.5	74.5	74.2	70.2	65.8	62.6
	4000	45.0	59.0	66.8	71.1	72.6	73.0	73.0	69.0	64.5	61.6
	5000	41.8	58.2	66.2	70.2	72.4	72.9	73.5	69.9	65.1	62.4
	6300	36.3	54.1	63.2	67.7	70.5	71.3	72.3	68.6	64.2	61.4
	8000	26.8	47.8	59.2	64.6	67.3	69.0	69.7	66.6	62.3	58.0
	10000	10.3	39.4	51.7	57.8	61.8	63.4	65.1	60.4	56.6	53.1
	OVERALL CALCULATED	76.2	80.8	84.9	88.0	88.6	88.2	87.6	85.6	84.0	81.3
	PNDB	77.7	87.7	94.9	98.8	100.1	99.9	98.9	95.6	92.0	88.7

SIDELINE 200. FT. (60.96 M.)	50	78.5	82.2	84.5	86.8	85.6	85.6	86.0	85.4	84.5	83.4
	63	78.7	79.8	81.9	83.2	83.5	83.8	82.2	80.1	78.5	77.1
	80	81.2	82.9	84.0	84.1	85.4	86.2	86.8	85.3	83.9	81.0
	100	78.8	83.0	85.7	85.8	86.1	86.6	87.8	86.7	85.1	83.9
	125	75.1	77.9	81.8	83.9	84.0	84.1	83.0	82.7	81.3	78.6
	160	72.3	73.7	77.2	78.1	78.7	78.5	78.7	77.6	75.4	72.8
	200	71.6	74.3	77.8	79.7	79.9	79.7	79.4	78.0	76.1	73.2
	250	69.9	72.9	78.4	80.4	80.5	80.6	79.5	78.0	76.0	73.1
	315	67.1	71.3	78.0	80.0	80.9	80.5	79.2	76.9	73.9	70.8
	400	65.1	70.6	78.9	81.9	81.6	80.7	79.4	77.4	73.9	71.5
	500	64.0	67.7	77.0	81.3	81.7	80.6	79.8	76.8	73.5	70.4
	630	67.7	74.5	80.7	85.1	84.1	83.3	81.3	78.8	75.2	71.1
	800	70.1	78.0	83.5	88.7	88.4	86.7	84.4	81.2	85.8	74.2
	1000	70.4	77.7	83.2	87.7	88.2	85.5	83.3	80.1	76.6	72.8
	1250	69.2	76.7	82.7	86.3	87.5	85.6	83.1	79.7	76.2	73.4
	1600	71.8	79.0	85.2	89.1	89.1	86.9	83.9	80.4	77.5	75.0
	2000	68.4	76.9	82.6	85.9	88.2	86.4	83.9	80.8	76.6	73.3
	2500	68.8	78.7	84.5	87.5	88.4	88.2	86.4	82.2	77.8	75.0
	3150	68.4	77.1	83.7	86.4	87.8	86.4	85.9	81.9	77.5	74.5
	4000	65.8	76.1	81.8	84.8	85.6	85.6	85.4	81.3	76.9	74.2
	5000	63.7	76.0	81.7	84.5	85.9	85.9	86.3	82.6	77.9	75.4
	6300	61.7	74.2	80.6	83.5	85.3	85.5	86.2	82.5	78.2	75.7
	8000	57.4	71.4	79.3	82.7	84.1	85.1	85.5	82.2	78.1	74.2
	10000	46.1	67.9	75.7	79.2	81.6	82.1	83.3	78.5	74.9	71.9
OVERALL CALCULATED	87.1	91.5	95.9	98.8	99.3	98.7	98.0	95.4	93.5	90.6	
PNDB	94.1	102.3	108.1	111.1	112.0	111.4	110.4	107.0	103.5	100.3	



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	50	66.2	70.5	74.6	75.1	74.8	78.1	79.8	78.7	78.8	77.9			
	63	64.4	67.4	69.8	71.6	72.6	73.4	71.6	69.5	68.1	66.2			
SIDELINE 500. FT. (152.40 M.)	80	68.1	71.5	72.8	72.9	74.6	75.7	76.6	75.3	73.9	70.7			
	100	65.6	70.8	73.0	73.9	73.6	75.2	76.0	75.7	74.0	72.5			
NFA 2486. RPM ( 260. RAD/SEC)	125	60.8	64.7	69.9	71.4	72.4	72.1	71.0	70.7	69.1	67.1			
NFA 2433. RPM ( 255. RAD/SEC)	160	57.0	60.6	64.6	65.6	65.9	66.3	66.6	65.3	63.6	60.9			
NFD 3244. RPM ( 340. RAD/SEC)	200	55.2	61.4	65.8	67.9	68.2	67.9	67.4	66.3	63.6	61.4			
	250	53.2	59.8	66.2	68.6	69.0	69.2	67.7	65.6	63.7	60.9			
	315	50.3	59.1	65.6	68.3	68.9	68.5	67.2	64.7	61.9	59.0			
	400	49.1	56.9	66.0	69.7	69.7	68.7	67.8	65.0	61.7	58.2			
AIRFLOW RATIO	500	46.5	56.1	65.9	70.1	70.1	68.2	67.0	64.3	61.5	57.7			
WF/WH 12.60	630	46.2	56.9	64.7	69.8	69.8	68.5	66.3	64.1	60.9	56.5			
	800	51.8	62.5	70.5	76.9	74.9	75.1	73.7	70.5	66.6	60.4			
VEHICLE UTHS/M	1000	50.9	61.9	69.5	75.7	75.0	73.0	71.2	68.2	64.5	59.6			
CONFIG G02	1250	50.4	60.9	68.6	73.6	73.8	71.6	69.6	65.1	63.1	58.9			
LOC SCHENECTADY	1600	52.5	64.4	72.9	76.2	79.7	75.6	74.3	71.4	67.8	61.9			
DATE 6/30/75	2000	48.0	60.2	67.9	72.2	73.2	71.1	68.7	65.3	62.1	58.2			
RUN 26/10	2500	45.5	59.5	66.8	71.3	72.5	72.1	69.5	65.9	62.6	58.2			
TAPE	3150	44.6	59.6	67.4	71.2	73.2	72.4	70.6	66.8	63.7	58.5			
FAN TIP SPEED	4000	40.4	56.6	64.7	68.7	70.9	70.5	69.2	64.8	62.4	58.6			
771. FT/SEC	5000	37.7	54.4	62.5	67.2	69.3	69.2	66.0	64.5	60.0	56.4			
	6300	31.6	50.5	60.1	64.9	67.9	68.9	66.3	64.1	59.6	55.7			
	8000	23.1	44.6	56.0	61.0	64.2	65.2	65.7	61.5	57.3	53.7			
	10000	9.9	36.4	49.9	56.0	59.3	61.4	61.6	57.8	53.7	48.7			
OVERALL CALCULATED	PNDB	73.1	77.9	82.6	85.7	86.5	86.0	85.7	83.9	82.5	80.6			
		73.6	84.7	92.4	96.1	98.1	96.9	95.6	92.3	88.8	84.8			

ORIGINAL PAGE IS OF POOR QUALITY

	50	76.0	79.5	83.2	83.6	83.1	86.3	88.0	86.9	87.0	86.2			
	63	74.5	78.6	80.2	81.0	81.0	81.8	79.9	77.9	76.5	74.6			
SIDELINE 200. FT. ( 60.96 M.)	80	78.5	80.9	81.8	81.6	83.2	84.2	85.1	83.8	82.4	79.2			
	100	76.3	80.5	82.2	82.8	82.4	83.9	84.5	84.2	82.6	81.2			
	125	71.8	74.6	79.3	80.4	81.3	80.8	79.7	79.4	77.8	75.9			
	160	68.3	70.7	74.2	74.6	75.0	75.2	75.4	74.1	72.4	69.8			
	200	66.8	71.8	75.6	77.2	77.4	76.9	76.4	75.3	72.6	70.5			
	250	65.1	70.4	76.2	78.1	78.3	78.4	76.8	74.7	72.8	70.1			
	315	62.6	69.0	75.8	78.0	78.4	77.8	76.5	73.9	71.2	68.3			
	400	61.8	68.1	76.4	79.7	79.3	78.2	77.2	74.4	71.1	67.7			
	500	59.5	67.7	76.5	80.3	80.0	77.9	76.6	73.8	71.0	67.4			
	630	59.7	68.7	75.6	80.1	79.9	78.3	76.0	73.8	70.7	66.3			
	800	65.8	74.7	81.7	87.5	85.2	85.2	83.7	80.4	76.6	70.5			
	1000	65.5	74.5	81.0	86.5	85.5	83.3	81.3	78.3	74.7	69.8			
	1250	65.5	73.9	80.5	84.8	84.6	82.1	79.9	76.4	73.5	69.4			
	1600	68.4	78.0	85.2	87.8	90.8	86.4	85.0	82.0	78.5	72.7			
	2000	64.7	74.4	80.7	84.1	84.6	82.2	79.7	76.2	73.0	69.3			
	2500	63.0	74.3	80.0	83.6	84.3	83.5	80.7	77.1	73.7	69.6			
	3150	63.4	75.3	81.3	84.1	85.5	84.3	82.3	78.4	74.0	70.4			
	4000	61.3	73.7	79.7	82.5	84.0	83.1	81.6	77.1	73.2	69.3			
	5000	59.7	72.2	78.1	81.4	82.8	82.3	81.8	77.3	72.8	69.4			
	6300	56.9	70.6	77.5	80.7	82.7	82.7	82.2	78.0	73.6	70.0			
	8000	53.6	68.2	76.1	79.1	81.1	81.4	81.4	77.1	73.1	69.8			
	10000	47.6	64.9	73.8	77.3	79.1	80.2	79.0	75.9	72.0	67.5			
OVERALL CALCULATED	PNDB	83.9	88.8	93.6	96.5	97.2	96.3	95.6	93.3	91.5	89.4			
		89.5	99.5	105.6	108.6	109.7	108.6	107.1	103.7	100.1	96.4			









FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT WGL. HUM. DAT)														
ANGLES FROM INLET IN DEGREES (AND RADIAN <sub>S</sub> )														
FREQ.	20.	30.	40.	50.	60.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500 FT. (152.40 M)	50	66.2	71.7	75.1	76.9	75.6	79.5	77.9	77.5	75.9				
NFA 2661 RPM (279. RAD/SEC)	63	65.9	69.9	72.3	74.4	74.6	73.9	71.2	70.4	67.9				
NFK 2597 RPM (272. RAD/SEC)	80	69.8	73.5	75.3	75.1	76.6	77.9	77.0	75.4	72.2				
NFD 3244 RPM (340. RAD/SEC)	100	67.1	73.1	75.5	76.4	77.1	78.5	77.4	75.9	74.0				
AIRFLOW RATIO	125	62.1	67.5	72.2	74.6	74.9	74.3	73.2	71.8	69.5				
NFA/AM 12.60	160	58.3	63.1	67.1	68.6	69.2	69.1	67.5	65.5	63.3				
VEHICLE CONFIG	200	57.5	63.7	68.3	70.9	71.2	70.4	69.0	66.9	64.6				
LOC SCHENECTADY	250	54.7	62.0	68.0	71.3	71.7	70.9	68.8	66.9	63.6				
DATE 6/30/75	315	52.3	59.8	67.6	70.5	71.7	70.4	68.1	64.9	61.9				
RUN 27/2	400	50.6	59.4	67.5	71.7	72.7	70.5	68.4	65.2	61.2				
TAPE	500	49.2	58.9	67.6	72.6	73.1	71.5	69.5	65.2	61.4				
FAN TIP SPEED	600	55.0	64.9	71.5	78.0	79.3	77.3	75.3	70.4	64.4				
825. FT/SEC	800	56.3	67.3	74.5	80.3	82.2	81.3	78.0	73.8	66.9				
OVERALL CALCULATED	1000	55.4	66.1	73.4	79.1	80.7	78.4	75.7	70.9	65.2				
PNOB	1250	55.3	66.6	74.3	78.6	81.3	79.0	75.1	71.0	66.3				
	1600	56.1	67.4	74.9	79.3	81.0	79.0	75.3	71.5	67.2				
	2000	52.4	65.9	73.1	78.0	78.8	78.9	75.0	71.4	66.1				
	2500	51.6	66.9	74.5	78.4	80.1	80.4	76.5	71.5	66.5				
	3150	50.0	64.7	73.0	76.7	78.8	79.7	75.6	70.7	65.5				
	4000	45.2	60.0	69.1	73.5	76.0	76.7	72.2	67.7	63.0				
	5000	41.0	55.7	67.9	72.7	74.1	75.5	71.0	66.6	62.8				
	6300	35.5	54.5	63.6	68.9	71.7	72.2	68.7	63.8	61.1				
	8000	25.2	47.7	58.8	64.7	67.2	69.1	65.7	61.2	57.1				
	10000	8.2	37.5	51.1	57.2	51.0	64.2	59.4	55.2	51.4				
	OVERALL CALCULATED	74.6	80.7	85.8	89.5	91.0	90.6	87.8	84.9	81.6				
	PNOB	77.1	89.6	97.0	101.2	102.8	102.9	99.3	95.1	90.5				
SIDELINE 200 FT. (60.96 M)	50	76.0	80.7	83.8	85.3	83.9	87.8	86.1	85.8	84.1				
NFA 2661 RPM (279. RAD/SEC)	63	76.0	79.1	81.1	83.0	83.0	82.2	79.6	78.7	76.3				
NFK 2597 RPM (272. RAD/SEC)	80	80.2	82.9	84.3	83.8	85.2	86.3	85.5	83.8	80.7				
NFD 3244 RPM (340. RAD/SEC)	100	77.8	82.8	84.7	85.3	85.9	87.0	85.9	84.5	82.6				
AIRFLOW RATIO	125	73.1	77.4	81.5	83.7	83.8	83.0	81.9	80.5	78.3				
NFA/AM 12.60	160	69.6	73.2	75.7	77.8	78.2	77.9	76.3	74.4	72.2				
VEHICLE CONFIG	200	69.1	74.1	78.1	80.2	80.4	79.4	78.0	75.8	73.7				
LOC SCHENECTADY	250	66.6	72.7	77.9	80.9	81.0	80.0	77.9	76.0	72.8				
DATE 6/30/75	315	64.6	70.8	77.8	80.3	81.2	79.7	77.3	74.2	71.2				
RUN 27/2	400	63.3	70.6	77.9	81.7	82.3	79.9	77.8	74.6	70.7				
TAPE	500	62.3	70.4	78.3	82.8	83.0	81.1	79.0	74.7	71.1				
FAN TIP SPEED	630	62.5	76.7	82.4	88.4	89.3	87.0	85.0	80.1	74.3				
825. FT/SEC	800	70.3	79.5	85.7	91.0	92.4	91.2	87.9	83.7	76.9				
OVERALL CALCULATED	1000	69.9	78.7	85.0	90.0	91.2	88.6	85.8	81.1	75.5				
PNOB	1250	70.4	79.7	86.2	89.7	92.0	89.4	85.4	81.4	76.8				
	1600	72.0	81.0	87.2	90.9	92.1	89.6	85.9	82.2	78.0				
	2000	69.1	80.2	85.9	89.9	90.2	89.0	86.0	82.3	77.2				
	2500	69.3	81.7	87.8	90.7	91.9	91.6	87.7	82.7	77.9				
	3150	66.8	80.3	86.9	89.6	91.0	91.4	87.3	82.4	77.4				
	4000	66.0	77.0	84.0	87.3	89.1	89.1	84.5	80.1	75.6				
	5000	62.9	76.5	83.4	87.0	87.6	88.3	83.8	79.4	75.8				
	6300	60.9	74.6	81.0	84.7	86.5	86.2	82.6	77.8	73.3				
	8000	55.8	71.3	79.0	82.8	84.0	84.9	81.3	77.1	73.3				
	10000	45.9	66.1	75.1	78.5	80.7	82.5	77.5	73.5	70.2				
	OVERALL CALCULATED	85.8	92.2	97.3	100.7	101.9	101.1	97.9	94.6	91.1				

ORIGINAL FILE IS ON PLOP QUALITY



Run 27/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH - DAY 24 HR. 0.1

FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. AT 70 PERCENT OPL. NUM. GAV)																	
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	0
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	69.7	75.0	77.9	79.4	80.3	75.1	76.5	76.4	76.0	74.4								
63	70.9	75.4	77.8	79.6	80.4	78.2	77.4	76.0	74.6	72.4								
SIDELINE 500 FT. (152.40 M)	80	72.1	75.5	78.0	78.6	79.4	80.4	80.6	79.3	77.6	74.4							
NFA 2901 RPM (310 RAD/SEC)	100	76.4	76.1	78.7	79.4	79.9	81.0	81.7	80.6	78.7	77.2							
NFA 2901 RPM (310 RAD/SEC)	125	66.6	70.5	75.2	78.1	77.9	77.8	77.5	77.2	75.6	73.3							
NFA 2879 RPM (301 RAD/SEC)	150	61.6	66.1	70.1	72.6	72.7	72.6	72.3	71.2	69.0	66.6							
NFA 2879 RPM (301 RAD/SEC)	200	61.7	66.7	71.1	73.9	74.2	73.9	73.6	72.6	70.1	67.6							
NFA 3244 RPM (340 RAD/SEC)	250	59.9	64.5	70.7	73.8	74.7	74.9	74.2	72.3	70.1	67.1							
NFA 3244 RPM (340 RAD/SEC)	315	57.0	62.3	69.1	72.5	74.2	74.0	73.4	71.4	68.4	65.1							
NFA 3244 RPM (340 RAD/SEC)	400	56.1	61.1	69.5	73.5	74.7	74.2	73.5	71.7	67.9	64.7							
AIRFLOW RATIO	500	53.7	60.4	67.6	73.1	74.9	74.7	73.3	71.5	67.4	64.2							
W/FWH 12.60	630	57.0	63.6	71.0	76.0	78.1	78.0	76.6	74.3	69.9	64.9							
VEHICLE UTG/SIM	800	61.8	69.3	76.3	80.8	84.4	83.9	83.0	80.8	76.8	71.4							
VEHICLE CONFIG GO4	1000	61.1	68.6	75.2	80.4	83.5	83.5	82.4	78.9	74.7	68.5							
LSC SCHEMECTADY	1250	60.3	67.9	74.6	79.1	82.0	81.9	80.6	78.1	73.6	67.6							
DATE 6/30/75	1600	64.4	73.2	79.9	84.1	85.5	84.6	84.2	80.3	76.8	71.7							
RUN 27/3	2000	57.7	68.2	74.8	79.2	81.1	81.3	80.5	77.8	74.1	69.1							
TAPE	2500	56.6	69.4	76.5	79.7	82.4	83.3	83.4	80.0	75.8	70.8							
FAH TIP SPEED	3150	54.3	67.0	74.8	79.0	81.0	81.5	82.2	78.9	74.2	69.3							
918. FT/SEC	4000	50.3	63.3	71.4	75.6	78.1	78.8	79.8	76.0	72.0	67.6							
5000	46.3	62.5	70.5	74.8	77.0	79.9	79.1	75.4	71.2	67.3								
6300	47.9	57.9	67.5	72.0	74.3	75.6	76.3	73.1	69.5	66.2								
8000	36.7	51.6	62.6	68.1	70.8	72.6	73.8	70.1	66.4	62.8								
10000	14.0	42.2	55.1	61.2	66.0	66.7	68.5	65.0	61.2	57.7								
OVERALL CALCULATED		78.3	63.8	88.5	91.7	93.6	93.5	93.2	90.7	87.6	84.2							
PWR		83.2	92.4	99.4	103.2	105.3	105.7	102.7	98.9	94.4								
50	79.5	84.0	86.5	87.4	88.6	83.3	84.8	84.6	84.3	82.6								
63	81.0	84.6	86.6	88.2	88.8	86.5	85.7	84.3	82.9	80.8								
SIDELINE 200 FT. (60.96 M)	80	82.5	84.9	87.0	87.3	87.9	88.9	89.1	87.7	86.1	82.9							
100	81.0	85.8	87.9	88.3	88.6	89.6	90.3	89.2	87.3	85.9								
125	77.6	80.4	84.5	87.2	88.8	86.6	86.2	85.9	84.5	82.0								
150	73.1	76.2	79.7	81.8	81.7	81.5	81.2	80.1	77.9	75.7								
200	73.3	77.1	80.8	83.2	83.4	82.9	82.6	81.5	79.1	76.7								
250	71.9	75.2	80.7	83.4	84.0	84.1	83.3	81.4	79.2	76.3								
315	69.3	73.3	79.3	82.3	83.7	83.3	82.7	80.6	77.7	74.5								
400	68.8	72.3	79.9	83.4	84.3	83.7	82.9	81.1	77.3	74.2								
500	66.8	71.9	78.3	83.3	84.7	84.4	82.9	81.0	77.0	73.8								
630	70.5	75.5	81.9	86.4	88.1	87.8	86.3	84.0	79.6	74.8								
800	75.8	81.5	87.5	91.5	94.7	94.0	93.0	90.7	86.6	81.4								
1000	75.7	81.2	86.7	91.2	94.0	93.8	92.6	89.0	84.8	78.8								
1250	75.4	80.9	86.5	90.3	92.8	92.4	91.2	88.4	84.1	78.3								
1600	80.3	86.6	92.2	95.6	96.6	95.4	94.9	90.9	87.5	82.5								
2000	74.4	82.4	87.6	91.2	92.5	92.5	91.4	88.7	85.1	80.3								
2500	74.1	84.2	89.8	92.0	94.2	94.7	94.6	91.2	87.0	82.2								
3150	73.6	82.6	88.7	91.9	93.3	93.4	93.9	90.6	86.0	81.2								
4000	71.1	80.4	86.3	89.4	91.2	91.4	92.2	88.3	84.4	80.5								
5000	68.3	80.3	86.0	89.1	90.5	90.9	91.9	88.1	83.9	80.4								
6300	66.3	78.0	84.9	87.8	89.1	89.8	90.3	87.0	83.4	80.5								
8000	61.2	75.2	82.9	86.3	87.7	88.7	89.6	85.8	82.1	79.0								
10000	51.7	70.8	79.1	82.5	85.7	85.5	86.7	83.1	79.5	76.5								
OVERALL CALCULATED		69.9	95.3	99.9	102.9	104.5	104.2	104.0	101.1	97.6	94.1							
PWR		99.3	106.9	112.5	115.5	117.1	117.2	114.1	110.2	105.9								

## Run 27/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)													PROC. DATE = MONTH 7 DAY 24 HR. 9.1			
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	( 5. M.)	100	100.3	99.0	91.8	85.0	86.8	88.3	89.0	89.8	89.0	87.3						
VEHICLE	UTNSIM	125	100.0	99.3	93.8	92.5	92.3	93.0	93.0	92.0	91.8	91.8					125.7	
CONFIG	CO4	160	98.5	99.0	97.3	96.3	94.8	94.3	95.3	93.0	93.0	92.0					127.7	
LCC	SCHENECTADY	200	103.7	104.0	104.7	104.5	104.5	102.5	101.0	98.5	95.5	95.2					128.9	
DATE	6/30/75	250	104.7	104.2	103.7	103.0	102.7	102.5	101.7	100.0	98.7	95.7					135.7	
RJN	27/4	315	102.7	104.5	104.2	103.5	103.0	102.6	102.7	101.5	100.0	98.0					135.5	
TAPE		400	99.8	100.5	102.5	102.2	101.5	100.8	99.8	98.8	97.0	95.0					136.0	
BAR	30.0 HG	500	95.8	96.3	97.5	97.0	96.5	95.3	94.8	93.0	91.0	89.3					133.7	
	(0.1279. N/H2)	630	96.5	97.3	98.3	98.5	97.5	96.6	95.8	94.0	92.3	90.5					128.0	
TAMP	92. DEG F	800	95.5	95.3	97.5	97.3	98.5	97.0	96.3	94.5	92.5	90.3					128.7	
	(306. DEG K)	1000	93.0	94.0	96.0	97.0	97.0	97.1	95.5	93.5	90.5	88.5					128.8	
T-ET	69. DEG F	1250	91.5	92.8	96.5	99.0	98.7	97.6	96.1	93.6	91.0	87.8					128.8	
	(29. DEG K)	1650	90.5	92.6	95.0	98.0	99.0	97.1	95.9	93.6	90.2	87.1					129.5	
HACT	11.06 GR/H3	2030	91.8	93.3	98.0	99.2	100.5	98.4	97.4	94.4	91.0	86.8					129.1	
	(.01106. KG/M3)	2500	94.0	95.9	97.5	100.5	101.7	100.4	98.4	95.7	92.2	87.8					130.3	
NFA	11801. RPM	3150	98.7	100.1	102.3	104.7	107.9	107.1	104.6	103.0	98.9	93.3					131.7	
	(1236. RAD/SEC)	4000	101.7	103.0	104.9	107.3	109.8	109.0	107.3	104.7	100.6	94.3					137.7	
NFK	11443. RPM	5000	101.3	103.2	104.9	106.3	108.0	106.7	104.6	101.1	97.5	92.2					140.0	
	(1196. RAD/SEC)	6300	103.7	105.4	106.4	108.6	109.2	108.0	106.4	103.5	99.5	94.3					138.1	
NFD	11617. RPM	8000	104.0	105.8	107.2	108.8	109.0	108.1	106.3	103.4	99.5	94.9					139.8	
	(1200. RAD/SEC)	11000	101.4	105.9	107.8	109.0	109.3	109.2	108.6	105.8	101.5	96.7					140.1	
NO. OF BLADES	18	12500	101.9	105.5	107.8	108.6	109.1	108.3	108.0	104.7	100.8	96.6					141.0	
FAN TIP SPEED	16000	100.4	104.1	105.9	107.1	107.4	106.7	107.4	103.1	99.1	96.0						140.8	
	1030. FT/SEC	20000	98.2	103.4	105.5	106.0	107.1	106.3	106.7	102.8	99.0	97.0					139.7	
		25000	97.0	102.1	104.2	105.4	106.3	105.3	105.6	102.1	98.5	96.4					139.7	
		31500	95.1	102.1	104.0	105.1	105.2	105.3	105.0	101.7	98.1	95.3					138.4	
		40000	89.7	98.9	102.2	102.8	103.3	102.6	103.1	99.2	95.8	93.8					139.8	
		50000	84.9	96.5	98.7	99.0	100.5	99.4	101.1	95.8	93.2	90.6					139.0	
		63000	83.2	91.8	92.5	93.2	95.8	94.9	95.5	89.3	88.2	84.7					137.9	
		80000	84.6	87.7	87.7	88.1	89.3	88.2	88.8	84.3	85.8	83.1					135.3	
	OVERALL PFAUSEN																133.8	
	OVERALL CALCULATED	114.3	116.4	117.7	118.8	119.6	118.8	118.0	115.0	111.7	108.3							
	PND8	125.2	126.7	128.0	129.8	131.3	130.4	128.9	126.4	122.9	118.1						131.7	

Run 27/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 24. MR. 0.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT VEL. HUM. DAT)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	
SIDELINE 500 FT. (152.40 M)	50	68.7	73.5	74.4	75.1	74.8	75.1	76.5	74.4	74.3	72.9								
	63	73.4	78.1	81.6	83.1	84.4	83.2	82.1	79.7	76.6	75.9								
	80	73.8	78.0	80.3	81.4	82.4	82.9	82.6	81.0	79.6	76.2								
	100	71.4	77.9	80.5	81.6	82.4	83.0	83.5	82.4	80.7	78.2								
NFA 3324 RPM (348. RAD/SEC)	125	62.8	73.5	70.4	80.1	83.7	80.8	80.3	79.4	77.5	75.0								
	160	63.3	69.3	73.1	74.6	75.4	75.1	75.1	73.5	71.3	69.1								
NFK 3223 RPM (337. RAD/SEC)	200	63.5	69.4	73.6	75.9	75.2	76.2	75.9	74.3	72.4	70.1								
	250	61.9	67.0	72.5	75.3	77.0	76.9	76.2	74.6	72.4	69.6								
NFD 3244 RPM (340. RAD/SEC)	315	58.8	65.3	70.6	73.8	75.2	76.2	75.2	73.4	70.2	67.6								
	400	56.6	63.6	70.8	75.5	76.7	76.5	75.5	73.2	70.4	66.7								
AIRFLOW RATIO	500	55.3	62.9	68.9	74.1	76.6	75.7	75.0	73.0	69.4	65.7								
WF/WH 12:00	630	55.5	63.1	69.5	75.0	77.8	76.7	76.3	73.5	69.9	65.2								
	800	56.8	64.4	70.5	75.9	78.7	78.4	77.0	74.5	70.8	65.9								
VEHICLE UTASIH	1000	60.7	68.6	74.7	79.7	84.6	84.8	82.9	81.5	77.2	71.0								
CONFIG 604	1250	62.6	70.9	76.9	81.9	86.1	86.4	85.3	82.8	78.6	71.6								
LOC SCHENECTADY	1600	61.0	70.2	76.1	80.2	83.8	83.0	82.1	78.9	75.1	69.1								
DATE 6/30/75	2000	62.0	71.5	76.9	82.0	84.5	84.4	83.5	80.8	76.6	70.7								
ROI 27/4	2500	61.1	71.1	77.1	81.5	83.8	84.1	83.0	80.4	76.2	70.9								
TAPE	3150	56.4	69.7	76.7	81.0	83.3	84.5	84.7	81.3	77.6	72.0								
FAN TIP SPEED	4000	53.8	67.3	75.1	79.3	82.1	82.6	83.1	80.1	75.9	70.9								
1030 FT/SEC	5000	50.7	64.9	72.5	77.4	80.0	80.7	82.2	78.2	73.9	70.0								
	6300	43.3	60.6	69.6	74.2	77.9	78.3	80.1	76.4	72.4	69.5								
	8000	34.8	54.2	64.4	70.4	74.4	75.2	76.6	73.4	69.4	66.3								
	10000	21.2	46.9	58.7	65.6	69.4	71.0	72.7	69.9	65.8	61.8								
OVERALL CALCULATED		79.5	85.4	89.6	92.7	95.0	95.2	94.7	92.3	89.2	85.6								
PHSR		84.4	94.1	100.5	104.7	107.2	107.8	107.7	104.8	101.1	96.3								

	50	78.5	82.5	83.0	83.5	83.1	83.3	84.8	82.6	82.5	81.1						
	63	83.5	87.3	90.4	91.7	92.8	91.5	90.4	88.1	84.9	84.3						
SIDELINE 200 FT. (60.96 M)	80	84.2	87.4	89.3	90.1	90.9	91.4	91.1	89.5	88.1	84.7						
	100	82.0	87.5	89.7	90.5	91.1	91.6	92.0	90.9	89.3	86.9						
	125	71.8	83.4	87.0	89.2	89.5	89.6	89.0	88.1	86.2	83.8						
	160	74.6	79.5	82.7	83.8	84.5	84.0	83.9	82.3	80.1	78.0						
	200	75.1	79.8	83.3	85.2	85.4	85.2	84.9	83.3	81.3	79.2						
	250	73.9	77.7	82.4	84.9	86.3	86.1	85.3	83.7	81.5	78.8						
	315	71.1	76.3	80.8	83.5	84.7	85.5	84.4	82.6	79.4	77.0						
	400	69.3	74.8	81.2	85.4	86.3	86.0	84.9	82.6	79.8	76.2						
	500	68.0	74.4	79.6	84.3	86.5	85.4	84.6	82.5	79.0	75.4						
	630	69.0	75.0	80.4	85.4	87.9	86.6	86.0	83.2	79.6	75.0						
	800	70.9	77.0	81.7	86.5	89.0	88.4	86.9	84.4	80.8	75.9						
	1000	75.2	81.3	86.3	90.6	95.1	95.1	93.1	91.6	87.4	81.3						
	1250	77.8	84.0	88.8	93.1	96.8	96.9	95.7	93.2	89.0	82.1						
	1600	76.9	83.8	88.5	91.5	94.8	94.4	92.7	89.5	85.7	79.9						
	2000	78.7	85.7	89.7	93.9	95.9	95.5	94.5	91.7	87.5	81.8						
	2500	78.6	85.6	90.4	94.0	95.6	95.5	94.3	91.6	87.4	82.3						
	3150	75.3	85.4	90.6	93.9	95.6	96.4	96.4	92.9	89.3	83.9						
	4000	74.6	84.3	90.1	93.1	95.1	95.3	95.5	92.5	88.3	83.6						
	5000	72.7	82.7	88.0	91.6	93.5	93.7	95.0	90.9	86.7	83.0						
	6300	68.7	80.9	87.0	90.0	92.7	93.0	94.0	90.2	86.3	81.7						
	8000	65.3	77.9	84.5	88.5	91.2	91.3	92.3	89.0	85.2	82.4						
	10000	59.0	75.5	82.5	86.9	89.1	90.5	91.0	87.9	84.0	80.5						
OVERALL CALCULATED		91.2	96.3	101.0	104.9	106.1	106.2	105.7	103.0	99.6	95.7						
PHSR		101.2	108.9	113.9	117.2	119.1	119.5	119.3	116.2	112.6	108.0						

## Run 27/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 24 HR. 9.2															
		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT, REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(1.0.)	(1.0.)	(1.0.)	(10.)
	50																
	63																
RADIAL	17. FT.																
	5. MI	100	95.5	96.0	85.3	84.0	86.0	87.5	89.0	89.0	88.8	87.1					123.2
VEHICLE	UTHSIM	125	96.0	95.8	91.5	91.0	91.0	91.8	92.5	91.5	91.5	91.1					125.8
CONFIG	G04	100	94.5	101.5	101.0	101.5	100.3	95.3	95.0	94.3	93.3	92.6					131.6
LOC	SCHENECTADY	200	99.2	99.0	98.0	98.0	97.5	96.5	94.5	92.2	90.8	89.3					120.5
DATE	6/30/75	250	102.2	101.2	100.5	98.5	99.2	98.7	98.7	97.2	96.0	93.3					132.2
RUN	27/5	315	103.7	101.5	101.2	100.2	99.0	98.8	99.7	98.5	97.3	95.6					132.9
TAPE		450	95.8	95.3	98.2	94.7	97.5	96.5	95.0	94.5	93.5	91.8					120.7
BAR	30.0 HG	530	93.3	92.3	93.5	93.5	92.0	91.0	90.8	89.0	87.5	85.3					124.6
	(91279. N/H2)	530	93.3	93.3	94.0	95.0	94.5	93.8	92.3	90.5	88.5	87.1					126.2
TAMP	87. DEG F	600	91.0	92.3	94.5	95.8	95.0	93.5	92.8	91.0	89.0	86.6					126.5
	(304. DEG K)	1000	92.3	90.3	94.0	95.2	95.0	93.8	92.8	90.0	87.0	84.6					120.0
T-ET	68. DEG F	1250	88.3	89.3	94.3	96.3	96.0	93.8	93.1	91.1	87.3	84.1					128.5
	(203. DEG K)	1500	87.3	89.3	94.3	96.8	96.7	95.1	94.1	91.1	87.0	83.9					127.1
HACT	11.04 G/H3	2000	83.0	89.8	94.3	97.5	98.0	96.4	94.1	92.4	88.3	84.6					126.0
	(201164 KG/H3)	2500	71.5	83.5	97.0	100.5	100.9	99.6	97.6	95.2	91.3	86.1					131.1
NFA	16157. RPM	3150	95.2	93.8	102.8	105.7	107.7	107.1	105.4	103.0	99.5	93.1					137.8
	(1863. RAD/SEC)	4000	95.9	94.3	102.4	104.6	106.1	106.3	102.3	98.9	94.9	89.3					136.9
NFK	9893. RPM	5000	96.6	99.0	102.4	104.0	105.0	103.5	101.8	97.9	94.3	89.3					135.1
	(1036. RA/SEC)	5330	100.7	101.9	105.4	107.0	107.7	106.7	104.1	99.7	96.5	91.8					138.0
NFD	11517. RPM	6000	96.5	100.3	103.2	104.5	104.7	104.3	102.5	99.4	95.7	90.9					135.9
	(1266. RAD/SEC)	10000	92.6	102.3	105.5	106.2	105.5	106.1	104.3	100.7	97.0	92.7					137.8
NO. OF BLADES	18	12400	97.6	101.7	104.9	105.7	106.3	105.5	104.7	100.9	97.0	92.6					137.7
FAH T/P SPEED	16000	15000	98.2	99.7	102.9	103.7	103.8	103.3	103.0	98.3	94.5	90.4					135.8
	857. FT/SEC	20000	93.5	99.5	102.1	103.1	103.0	102.9	102.1	98.1	94.4	91.0					135.7
		25000	92.9	98.6	101.3	101.7	102.1	101.3	100.4	97.1	93.3	91.2					135.1
		31500	99.8	97.5	100.7	100.8	100.4	100.7	99.4	95.9	92.3	89.6					139.1
		40000	84.0	95.0	97.6	97.3	98.4	97.9	97.6	93.7	90.2	87.2					133.0
		50000	80.4	92.9	93.9	93.7	96.2	95.1	95.8	89.8	87.2	84.0					132.8
		63000	79.9	88.5	87.7	83.4	90.3	89.6	89.2	83.5	81.2	78.0					129.8
		80000	83.3	85.6	84.1	84.5	85.5	85.7	85.6	82.0	76.4	75.3					138.1
OVERALL MEASURED																	148.4
OVERALL CALCULATED		119.7	112.8	115.1	116.2	116.7	116.3	114.5	111.3	108.2	104.8						
PWR		121.8	123.2	126.0	127.8	129.9	128.8	126.4	123.9	120.7	115.9						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM. 5AV)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										
		(0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92)	(0. 0. 0. 0. 0. 0. 0. 0. 0. 0.)									
	50	63.7	78.0	78.1	80.4	80.3	76.1	76.3	75.7	74.6	73.4	
	63	68.9	73.1	74.8	76.6	77.4	77.2	75.6	73.5	71.9	70.0	
SIDELINE 500. FT.	80	71.3	75.0	77.0	76.2	78.9	79.2	79.6	78.3	76.9	73.7	
(152.40 M)	100	69.4	74.8	77.5	78.4	78.4	79.0	80.5	79.4	78.0	75.9	
NFA 2861. RPM	125	64.8	69.2	74.2	76.5	76.7	76.6	75.5	75.2	74.1	71.8	
(300. RAD/SEC)	160	61.3	64.8	69.1	70.6	70.9	70.8	71.1	69.5	67.8	65.1	
NFK 2787. RPM	200	60.2	65.4	69.3	72.4	73.2	73.2	72.4	70.8	68.6	66.7	
(292. RAD/SEC)	250	57.4	64.0	69.5	72.8	73.5	73.2	72.7	71.1	68.9	65.9	
NFD 3244. RPM	315	56.0	61.6	68.6	72.0	73.2	73.0	72.4	69.9	66.7	63.7	
(340. RAD/SEC)	400	53.4	60.1	68.5	72.7	73.9	72.7	72.5	70.7	66.7	63.0	
AIRFLOW RATIO	500	51.7	59.6	68.1	72.9	74.4	73.7	73.3	70.5	66.2	62.5	
W/FM 12.60	630	55.2	63.4	70.5	76.3	78.3	78.0	76.6	74.3	70.2	64.5	
	800	59.1	68.0	75.7	81.1	84.7	85.1	84.0	81.8	78.1	71.2	
VEHICLE CONFIG	1000	58.9	66.9	74.9	79.6	82.7	86.0	80.7	77.4	73.2	67.1	
UTS IN G02	1250	57.6	66.9	74.3	78.6	81.3	80.9	79.8	76.1	72.3	66.6	
LOC SCHENECTADY	1600	60.4	68.9	76.7	81.1	83.5	83.6	81.7	77.5	74.1	68.7	
DATE 6/30/75	2000	54.9	66.5	73.8	78.0	81.1	80.8	79.7	76.8	72.9	67.4	
RUN 27/5	2500	54.8	67.7	75.6	79.2	81.4	82.3	81.1	77.7	73.8	68.9	
TAPE	3150	52.3	65.7	74.0	78.0	80.5	81.0	80.9	77.4	73.3	68.1	
FAN TIP SPEED	4000	48.5	61.8	70.6	74.8	77.1	78.0	78.5	74.0	70.0	65.1	
887. FT/SEC	5000	44.3	60.7	69.2	73.8	76.0	77.4	77.3	73.6	69.7	65.4	
	6300	38.7	56.6	66.0	70.5	73.5	74.3	74.3	71.4	67.3	64.3	
	8000	28.9	50.6	61.8	66.7	67.3	71.6	71.3	68.1	64.2	60.4	
	10000	11.5	41.2	53.6	59.2	64.0	65.7	66.7	63.2	59.3	55.0	
OVERALL CALCULATED		76.9	82.7	87.3	90.7	92.7	93.3	92.0	89.4	86.5	82.8	
PNDR		80.5	90.8	98.3	102.1	104.4	105.0	104.3	101.2	97.4	92.7	
	50	78.5	85.0	86.8	88.8	88.6	84.3	84.5	83.9	82.8	81.7	
	63	79.0	82.3	83.6	85.2	85.8	85.5	83.9	81.8	80.2	78.3	
SIDELINE 200. FT.	80	81.7	84.4	86.0	85.6	87.4	87.7	88.1	86.7	85.4	82.2	
(60.96 M)	100	80.0	84.5	86.7	87.3	87.1	87.6	89.0	87.9	86.6	84.4	
	125	75.8	79.1	83.5	85.7	85.5	85.3	84.2	83.9	82.6	80.6	
	160	72.6	75.0	78.7	79.8	80.0	79.7	79.9	78.3	76.7	74.0	
	200	71.8	75.3	79.1	81.7	82.4	82.2	81.4	79.7	77.6	75.7	
	250	69.4	74.7	79.4	82.4	82.8	82.4	81.8	80.2	78.0	75.1	
	315	68.3	72.5	78.8	81.8	82.7	82.3	81.7	79.1	75.9	73.0	
	400	66.1	71.3	78.9	82.7	83.6	82.2	81.9	80.1	76.1	72.5	
	500	64.8	71.2	78.8	83.0	84.2	83.4	82.8	80.0	75.8	72.2	
	630	63.7	75.2	81.4	86.6	88.3	87.8	86.3	84.0	79.9	74.3	
	800	73.1	80.3	87.0	91.7	94.9	95.2	94.0	91.7	88.0	81.2	
	1000	73.4	79.5	86.5	90.5	93.2	96.3	90.8	87.5	83.4	77.3	
	1250	72.7	79.9	86.2	89.8	92.0	91.4	90.2	86.4	82.7	77.1	
	1600	76.3	82.6	89.0	92.6	94.6	94.4	92.4	88.1	84.7	79.6	
	2000	71.6	80.7	86.6	89.9	91.5	92.0	90.7	87.7	83.9	78.6	
	2500	72.4	82.4	88.8	91.5	93.2	93.7	92.4	88.9	85.1	80.3	
	3150	71.6	81.4	88.0	90.9	92.8	92.9	92.7	89.1	85.0	80.0	
	4000	69.3	78.9	85.6	88.6	90.2	90.7	90.9	86.3	82.4	77.8	
	5000	66.3	78.6	84.8	88.1	89.5	90.4	90.1	86.3	82.5	78.5	
	6300	64.0	76.8	83.4	86.3	88.4	88.6	88.3	85.2	81.2	78.5	
	8000	59.5	74.3	81.9	84.8	86.2	87.7	87.1	83.8	79.9	76.5	
	10000	49.2	69.8	77.6	80.5	83.7	84.5	85.0	81.3	77.5	73.8	
OVERALL CALCULATED		83.2	93.9	98.7	101.5	103.6	104.0	102.7	99.7	96.6	92.6	
PNDR		95.6	105.3	111.5	114.5	115.3	116.5	115.8	112.5	108.8	104.4	

ORIGINAL PAGE IS OF POOR QUALITY





FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. EAV)														
ANGLES FROM INLET IN DEGREES (AND RADIANS)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.28)	(2.46)	(2.64)
50	65.4	72.5	75.9	77.6	77.1	76.6	77.8	76.7	76.3	74.9				
63	63.7	70.9	73.3	74.9	76.1	75.7	74.6	72.0	70.4	68.7				
SIDELINE 500. FT. (152.40 M)	80	79.8	73.5	75.5	75.9	77.6	78.2	79.1	77.3	76.2	72.7			
100	64.6	73.6	76.2	77.1	77.6	78.5	79.5	78.4	77.2	75.3				
NFA 2757. RPM (289. RAD/SEC)	125	64.1	67.5	73.4	75.1	75.2	75.1	74.8	74.2	72.8	70.6			
160	60.5	63.8	67.6	69.4	73.2	70.3	70.1	69.0	67.1	64.9				
NFK 2486. RPM (261. RAD/SEC)	200	59.7	64.1	69.1	71.6	72.5	72.4	71.4	69.5	68.4	65.7			
250	57.4	62.3	68.7	71.8	72.2	73.2	71.9	69.8	67.9	64.9				
NFD 3244. RPM (340. RAD/SEC)	315	55.3	60.1	67.9	72.0	72.4	72.5	71.4	69.1	65.9	62.7			
400	53.4	59.4	68.8	72.5	73.7	73.5	71.2	69.7	65.7	62.2				
AIRFLOW RATIO	500	51.0	58.9	67.6	72.4	73.9	73.5	72.3	70.0	66.2	62.0			
WF/WF 12.60	630	51.0	63.6	71.2	76.8	78.3	78.7	76.8	74.3	70.2	65.0			
800	57.8	66.8	75.5	80.8	82.9	83.4	82.0	79.5	75.6	68.9				
VEHICLE CONFIG GYHSIM G04	1000	56.9	66.4	74.2	79.4	81.5	81.8	80.2	76.9	72.7	65.8			
1250	55.3	65.6	73.3	78.3	80.8	80.6	79.3	76.1	72.3	66.4				
LCC SCHENECTADY	1600	56.9	67.4	75.2	81.1	82.3	82.9	81.0	76.8	73.3	70.2			
DATE 6/30/75	2000	53.4	65.0	73.3	78.0	79.8	81.3	80.0	75.6	71.9	66.7			
RUN 27/6	2500	52.3	66.7	74.8	79.0	81.6	81.5	80.6	77.2	72.6	67.4			
TAPE	3150	51.0	65.2	73.5	78.2	80.5	80.3	80.2	76.7	72.3	67.1			
FAN TIP SPEED	4000	46.5	60.8	69.4	74.3	76.1	77.0	77.8	73.0	68.8	64.1			
855. FT/SEC	5000	42.8	59.5	68.5	72.8	75.2	76.1	75.8	72.1	68.7	64.2			
6300	36.7	55.4	65.0	69.5	72.5	72.8	73.1	70.9	66.0	63.0				
8000	26.4	49.3	60.5	66.2	68.8	70.3	70.3	67.6	62.9	59.6				
10000	10.0	40.5	52.1	55.7	62.2	64.2	65.7	62.0	57.3	54.5				
OVERALL CALCULATED	76.3	80.3	86.4	90.1	91.7	92.1	91.3	88.5	85.7	82.3				
PNDR	78.5	89.6	97.5	101.8	103.8	104.1	103.6	100.3	96.4	91.9				

50	78.2	81.5	84.5	86.1	85.4	84.8	86.0	84.9	84.5	83.2				
63	78.7	80.1	82.1	83.5	84.5	84.0	82.9	80.3	78.7	77.1				
80	81.2	82.9	84.5	84.6	86.2	86.7	87.8	85.7	84.6	81.2				
SIDELINE 200. FT. (60.96 M)	100	79.3	83.3	85.4	86.0	86.4	87.1	88.0	86.9	85.8	83.9			
125	75.1	77.4	82.8	84.2	84.0	83.8	83.5	82.9	81.5	79.4				
160	72.1	74.0	77.2	78.6	79.2	79.2	78.9	77.8	75.9	73.8				
200	71.3	74.8	78.8	81.0	81.6	81.4	80.4	78.5	77.4	74.7				
250	69.4	72.9	78.7	81.4	81.5	82.4	81.0	78.9	77.0	74.1				
315	67.6	71.0	78.0	81.8	81.9	81.8	80.7	78.3	75.2	72.0				
400	66.1	70.6	79.2	82.4	83.3	83.0	80.7	79.1	75.1	71.7				
500	64.0	70.4	78.3	82.5	83.7	83.1	81.8	79.5	75.8	71.7				
630	67.5	75.5	82.2	87.1	88.3	88.6	86.5	84.0	79.9	74.8				
800	71.8	79.0	86.7	91.5	93.2	93.4	92.0	89.4	85.5	79.0				
1000	71.4	79.0	85.7	90.2	92.0	92.0	90.3	87.0	82.9	76.1				
1250	70.4	78.7	85.7	89.5	91.5	91.1	89.7	86.4	82.7	76.9				
1600	72.8	81.1	88.5	92.6	93.4	93.7	91.6	87.4	84.0	81.1				
2000	70.1	79.2	86.1	89.9	91.3	92.5	90.9	86.5	82.9	77.8				
2500	70.4	81.4	88.0	91.3	92.4	92.9	91.9	88.4	83.8	78.8				
3150	69.9	80.9	87.5	91.1	92.8	92.2	91.9	88.3	84.0	79.0				
4000	67.3	77.9	84.3	88.1	89.2	89.7	90.2	85.3	81.2	76.8				
5000	64.8	77.3	84.0	87.1	88.7	89.2	88.6	84.8	81.5	77.2				
6300	62.0	75.5	82.4	85.3	87.4	87.1	87.1	84.7	80.0	77.3				
8000	57.0	73.8	80.6	84.3	85.5	86.5	86.1	83.3	78.7	75.8				
10000	47.7	69.1	76.1	80.0	82.0	83.0	84.0	80.1	75.5	73.3				
OVERALL CALCULATED	87.4	92.4	97.9	101.3	102.6	102.6	101.9	98.8	95.7	92.1				
PNDR	95.1	104.3	110.8	114.3	115.7	115.7	115.1	111.7	107.0	103.5				

## Run 27/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. RATE - MONTH 7 DAY 24 HR. 0.4

MODEL SOUND PRESSURE LEVELS (90 DEG. F., 70 PERCENT REL. HUM., SA<sub>T</sub>)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.10)(2.28)(2.46)(2.64)(2.82)(3.00) Hz																PdL	
	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170		180
RADIAL 17 FT.	100	92.5	84.8	81.8	83.5	85.0	86.0	88.0	88.3	87.3	88.1							128.8
VEHICLE UT-SIM	125	93.8	95.8	91.5	91.0	90.8	92.5	93.0	92.3	92.0	91.6							125.8
CONFIG G01	160	95.5	96.3	97.3	96.8	94.5	97.0	98.0	96.8	96.8	96.3							138.3
LOC SCHEMECTADY	200	95.0	93.7	93.5	93.7	93.5	93.0	91.2	89.0	87.5	86.6							125.5
DATE 6/30/75	250	99.2	97.7	96.7	95.5	95.5	95.7	96.2	94.5	93.8	90.8							128.2
RUN 27/7	315	97.2	94.0	97.2	96.5	95.0	95.8	96.5	95.3	93.8	93.1							128.4
TAPE	400	91.8	92.3	95.0	95.2	94.0	93.0	91.3	90.6	89.5	87.6							126.8
BAR 30.0 HG	500	88.3	84.8	90.0	89.0	87.7	87.5	86.5	85.1	84.0	81.6							125.7
(01279. N/M2)	630	88.3	90.0	91.5	92.3	91.0	89.0	88.5	86.6	84.8	82.0							122.8
TAMB 87. DEG F	800	86.8	88.5	91.8	92.8	91.2	91.1	88.8	88.8	85.3	82.3							123.1
(334. DEG K)	1000	85.0	88.5	91.5	92.5	91.7	90.8	88.5	88.6	83.0	81.1							122.8
TAET 88. DEG F	1250	84.0	87.1	93.0	94.5	93.7	91.6	90.3	87.6	84.0	80.8							124.3
(293. DEG K)	1500	83.3	87.3	92.8	95.5	94.5	92.9	90.9	88.7	84.5	81.1							125.1
MACT 11.64 G1/MS	2500	83.3	90.3	93.3	94.0	95.5	93.9	91.9	90.0	85.8	81.4							125.9
(01164. KG/MS)	2500	93.8	97.1	99.8	103.0	103.2	104.3	101.9	99.0	94.8	88.1							134.6
NFA 2853. RPM	3150	90.5	96.8	100.0	102.9	103.2	101.8	99.6	97.0	92.2	87.1							133.3
(927. RA/SEC)	4000	91.1	97.0	99.7	102.3	102.6	100.8	98.1	95.2	91.4	86.6							132.5
NFK 8623. RPM	5000	95.8	102.7	105.4	107.0	109.0	105.5	104.3	100.4	97.3	90.3							137.8
(903. RAT/SEC)	6300	92.4	98.9	101.4	107.0	102.5	101.2	98.9	95.3	91.7	87.0							133.2
NFD 11817. RPM	8000	91.0	99.8	101.9	103.2	103.0	102.8	100.3	96.7	93.0	88.7							134.2
(1206. RA/SEC)	10000	91.6	101.6	102.3	103.4	103.5	102.4	100.8	96.5	92.5	88.2							134.6
NO. OF BLADES 18	12500	91.3	100.7	101.2	102.2	102.5	101.5	100.7	96.7	91.2	87.1							134.8
FAN TIP SPEED	16000	89.5	99.9	96.9	100.2	103.3	98.8	99.0	93.8	89.5	85.4							132.3
773. FT/SEC	20000	87.0	100.5	98.4	99.1	98.7	98.4	97.3	93.2	88.7	85.5							131.8
	25000	88.1	99.6	96.5	97.2	97.4	96.8	95.9	92.4	87.3	85.2							131.8
	31500	83.8	99.8	95.4	96.3	96.2	95.2	93.9	90.7	85.8	84.1							138.9
	40000	78.0	95.2	92.8	93.1	93.2	92.2	91.9	88.0	83.4	82.7							128.1
	50000	77.1	93.7	88.4	89.2	90.2	89.1	89.8	86.8	80.9	80.5							128.2
	63000	78.9	96.5	83.5	83.9	85.6	85.4	84.7	85.3	75.7	76.8							129.4
	80000	83.3	102.9	83.5	84.0	84.5	84.4	85.1	82.8	74.6	73.6							137.8
OVERALL MEASURED																		
OVERALL CALCULATED		106.5	112.4	112.6	114.1	114.2	113.1	111.7	108.6	105.6	102.6							146.3
PNDR		117.5	123.0	125.4	127.0	127.3	125.7	124.3	121.1	118.1	113.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT OPL. HUM. 6AV)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.																																																																																																																																																																																																																																																																																																																																																																																																																																									
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)																																																																																																																																																																																																																																																																																																																																																																																																																																									
SIDELINE 500. FT. (152.40 M)	50	65.7	70.7	74.4	75.6	74.6	77.9	79.3	78.2	78.1	77.2							63	64.7	67.9	70.3	72.4	73.4	73.7	72.4	70.3	68.6	67.2						NFA 2494 RPM (261. RAD/SEC)	80	66.3	71.5	73.3	73.9	75.1	76.2	77.1	75.6	74.7	71.2						NFK 2429 RPM (254. RAD/SEC)	100	65.9	71.3	73.5	74.6	74.4	76.0	77.2	76.2	74.5	73.3						NFD 3244 RPM (340. RAD/SEC)	125	59.8	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7					
	63	64.7	67.9	70.3	72.4	73.4	73.7	72.4	70.3	68.6	67.2						NFA 2494 RPM (261. RAD/SEC)	80	66.3	71.5	73.3	73.9	75.1	76.2	77.1	75.6	74.7	71.2						NFK 2429 RPM (254. RAD/SEC)	100	65.9	71.3	73.5	74.6	74.4	76.0	77.2	76.2	74.5	73.3						NFD 3244 RPM (340. RAD/SEC)	125	59.8	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																						
NFA 2494 RPM (261. RAD/SEC)	80	66.3	71.5	73.3	73.9	75.1	76.2	77.1	75.6	74.7	71.2						NFK 2429 RPM (254. RAD/SEC)	100	65.9	71.3	73.5	74.6	74.4	76.0	77.2	76.2	74.5	73.3						NFD 3244 RPM (340. RAD/SEC)	125	59.8	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																							
NFK 2429 RPM (254. RAD/SEC)	100	65.9	71.3	73.5	74.6	74.4	76.0	77.2	76.2	74.5	73.3						NFD 3244 RPM (340. RAD/SEC)	125	59.8	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																								
NFD 3244 RPM (340. RAD/SEC)	125	59.8	65.2	70.9	73.1	73.2	73.1	71.8	71.2	70.1	67.6						AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																									
AIRFLOW RATIO NF/WH 12.60	160	55.8	61.3	65.6	66.5	66.7	67.3	66.8	65.5	64.3	61.4						VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																										
VEHICLE CONFIG LOC SCHENECTADY	200	55.2	62.2	66.8	69.6	69.7	69.4	68.6	66.8	64.9	62.2						DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																											
DATE RUN 6/30/75	250	53.2	60.1	66.7	69.8	69.7	70.4	68.7	66.9	65.2	61.7						TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																												
TAPE	315	50.8	59.8	66.1	69.3	69.9	70.0	68.2	66.4	62.7	60.2						FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																													
FAN TIP SPEED 773. FT/SEC	400	47.1	57.9	67.3	71.0	71.7	70.5	69.7	67.2	63.5	59.7							500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																														
	500	47.7	59.6	66.6	71.6	72.1	71.5	70.0	68.0	63.7	59.7							630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																															
	630	47.0	60.1	66.7	71.6	72.8	72.2	70.8	69.1	64.7	59.7							800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																
	800	53.6	66.3	72.7	76.4	80.2	82.1	80.5	77.8	73.4	66.2							1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																	
	1000	52.4	65.4	72.5	77.9	79.8	79.0	77.9	75.5	70.5	64.8							1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																		
	1250	52.1	64.9	71.6	76.9	78.8	78.1	76.1	73.1	69.4	63.9							1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																			
	1600	55.3	69.7	76.6	81.0	83.7	82.4	81.8	78.2	74.8	67.2							2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																				
	2000	50.7	64.7	71.9	76.4	77.7	77.6	76.0	72.6	68.8	63.5							2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																					
	2500	48.0	65.0	71.9	76.1	77.8	78.8	77.0	73.6	69.7	64.7							3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																						
	3150	46.6	65.4	71.2	75.5	77.5	77.7	76.9	72.8	68.6	63.6							4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																							
	4000	43.2	62.4	68.5	73.0	75.5	75.6	75.8	72.1	66.4	61.4							5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																								
	5000	39.8	60.8	65.6	70.5	72.9	72.8	73.9	68.9	64.4	59.5							6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																									
	6300	32.2	57.9	62.5	67.3	69.5	70.9	70.6	66.8	62.0	57.9							8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																																										
	8000	23.3	51.2	56.7	62.2	65.4	66.7	66.9	63.7	58.3	55.1							10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																																																											
	10000	9.9	44.6	50.1	56.8	60.4	61.7	61.7	58.8	53.5	50.5						OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																																																																												
OVERALL CALCULATED PNDR		73.1	79.5	84.5	88.2	89.9	90.1	89.4	86.8	84.2	81.2								75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																																																																																													
		75.2	89.3	95.4	99.7	101.8	101.6	100.7	97.5	93.8	88.7																																																																																																																																																																																																																																																																																																																																																																																																																																														

SIDELINE 200. FT. (60.96 M)	50	75.5	79.7	83.0	84.1	82.9	86.1	87.5	86.7	86.3	89.4							63	74.7	77.1	79.1	81.0	81.8	82.0	83.7	78.6	77.0	75.5							80	76.7	80.9	82.3	82.6	83.7	84.7	85.6	84.0	83.1	79.7							100	76.5	81.0	82.7	83.5	83.1	84.8	85.8	84.7	83.1	81.9							125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4							160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2					
	63	74.7	77.1	79.1	81.0	81.8	82.0	83.7	78.6	77.0	75.5							80	76.7	80.9	82.3	82.6	83.7	84.7	85.6	84.0	83.1	79.7							100	76.5	81.0	82.7	83.5	83.1	84.8	85.8	84.7	83.1	81.9							125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4							160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																						
	80	76.7	80.9	82.3	82.6	83.7	84.7	85.6	84.0	83.1	79.7							100	76.5	81.0	82.7	83.5	83.1	84.8	85.8	84.7	83.1	81.9							125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4							160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																							
	100	76.5	81.0	82.7	83.5	83.1	84.8	85.8	84.7	83.1	81.9							125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4							160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																								
	125	70.8	75.1	80.3	82.2	82.0	81.8	80.5	79.9	78.8	76.4							160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																									
	160	67.1	71.5	75.2	75.8	75.7	76.2	75.7	74.4	73.2	70.3							200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																										
	200	66.8	72.6	76.6	79.0	78.9	78.4	77.6	75.8	73.9	71.2							250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																											
	250	65.1	70.9	76.7	79.4	79.0	78.6	77.8	76.0	74.3	70.9							315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																												
	315	63.1	70.8	76.3	79.0	79.4	79.3	77.4	75.6	71.9	69.5							400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																													
	400	61.8	69.1	77.7	80.9	81.3	80.0	79.2	76.6	72.9	69.2							500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																														
	500	60.8	71.2	77.3	81.8	82.0	81.1	79.6	77.6	73.3	69.4							630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																															
	630	60.5	72.0	77.6	82.1	82.9	82.1	80.5	78.8	74.4	69.6							800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																
	800	67.6	78.5	84.0	89.0	90.5	92.2	90.4	87.7	83.3	76.2							1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																	
	1000	67.0	78.0	84.0	88.8	90.3	89.8	88.1	85.6	80.7	75.1							1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																		
	1250	67.2	77.9	83.5	88.1	89.6	88.6	86.4	83.5	79.7	74.4							1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																			
	1600	71.2	83.3	88.9	92.5	94.8	93.2	92.5	88.8	85.5	78.0							2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																				
	2000	67.5	78.9	84.7	88.4	89.2	88.7	86.9	83.5	79.8	74.6							2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																					
	2500	65.6	79.8	85.1	88.4	89.5	88.3	86.2	84.8	80.9	76.1							3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																						
	3150	65.5	81.1	85.1	88.4	89.8	89.6	86.6	84.4	80.3	75.5							4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																							
	4000	64.1	79.5	83.5	86.8	88.6	88.5	86.2	84.4	78.8	74.1							5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																								
	5000	61.3	78.6	81.2	84.8	86.4	85.9	86.6	81.6	77.2	72.5							6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																									
	6300	57.5	78.0	79.8	83.1	84.3	85.1	84.6	80.4	76.0	72.1							8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																																										
	8000	53.8	75.4	76.8	80.3	82.3	82.8	82.6	79.3	74.8	71.3							10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																																																											
	10000	47.7	73.2	74.1	78.1	80.1	80.5	79.9	76.9	71.8	69.3						OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																																																																												
OVERALL CALCULATED PNDR		84.2	91.8	98.1	99.5	100.9	100.7	99.8	96.9	93.9	90.4								91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																																																																																													
		91.3	104.4	108.6	112.0	113.3	113.2	112.2	108.7	104.9	100.2																																																																																																																																																																																																																																																																																																																																																																																																																																														

ORIGINAL PAGE IS OF POOR QUALITY

## Run 28/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 28 HR. 0.0											
		MODEL SOUND PRESSURE LEVELS (50, DEG. F., 70 PERCENT REL. HUM., DAY)											
		ANGLES FROM INLET IN DEGREES (AND RADIAN)											
		20	30	40	50	60	70	80	90	100	110	120	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
50													
63													
80													
RADIAL 17. FT.													
(5. M)													
VEHICLE UTMSIM	125	96.0	91.5	91.0	90.5	90.5	91.5	91.5	90.6	89.8	89.6		121.5
CONFIG GC1	160	97.3	97.5	98.0	98.5	95.8	96.0	96.3	94.8	94.3	93.8		120.8
LCC SCHEMECTADY	200	97.7	95.7	95.2	94.7	94.5	94.0	92.2	89.8	88.3	86.8		120.8
DATE 7/1/75	250	100.2	99.0	98.2	96.5	97.0	97.0	96.7	95.0	93.8	91.0		130.1
RUN 28/1	315	98.7	99.7	99.2	98.0	97.2	97.0	98.0	96.8	95.0	94.3		130.0
TAPE	400	94.3	93.8	96.0	96.0	95.2	94.3	92.8	91.8	91.0	89.3		127.2
BAR 30.1 MG	500	91.8	91.0	91.8	90.8	90.0	89.3	88.5	86.8	85.5	83.3		122.0
(31518. N/M2)	630	90.8	91.3	93.0	92.3	91.2	90.1	89.5	87.8	86.3	84.3		123.6
TAMB 78. DEG F	800	89.8	90.0	93.3	93.8	92.7	91.8	90.5	88.3	86.5	84.1		124.4
(299. DEG K)	1000	88.3	89.3	93.2	94.2	93.2	91.8	90.3	87.8	85.0	82.1		124.3
TRET 64. DEG F	1250	87.3	89.0	94.8	96.0	94.5	92.3	90.8	88.9	85.3	82.3		123.4
(291. DEG K)	1600	85.3	88.6	93.5	96.0	94.7	93.3	91.8	89.4	85.8	82.1		123.0
MACT10.97 CM/MS	2000	86.3	89.3	92.8	96.5	94.2	92.4	90.6	89.0	85.3	81.6		123.2
(1.01097 KG/M3)	2500	90.5	93.3	96.5	98.7	97.4	95.1	92.9	90.2	86.5	82.6		127.0
NFA 9719. RPM	3150	94.0	97.1	100.0	102.9	101.9	100.1	98.1	94.2	90.0	84.9		132.1
(1018. RAD/SEC)	4000	94.1	97.2	99.9	102.1	100.8	99.5	96.8	93.4	89.9	85.3		131.6
NFK 9546. RPM	5000	94.1	97.4	99.9	102.7	102.2	100.7	98.0	94.4	91.1	86.2		132.5
(999. RAD/SEC)	6300	95.9	98.6	101.8	104.0	101.7	99.2	96.4	92.8	89.2	87.0		132.7
NFD 11517. RPM	8000	93.4	97.8	100.4	101.5	101.0	99.5	98.0	93.9	90.2	86.6		132.0
(1206. RAD/SEC)	10000	94.3	100.0	102.8	102.9	102.2	101.3	99.5	95.5	91.2	87.7		133.6
NO. OF BLADES 18	12500	95.0	99.1	101.4	102.2	101.7	100.4	99.1	94.9	91.0	87.3		133.2
FAN TIP SPEED	16000	93.0	97.7	99.7	101.0	100.5	99.3	98.8	94.0	90.5	87.7		132.4
848. FT/SEC	20000	91.5	97.2	99.3	100.5	99.9	99.6	98.8	94.4	90.9	88.2		132.7
	25000	93.8	96.0	98.7	99.6	99.3	98.7	97.6	94.4	89.5	87.9		132.5
	31500	88.0	95.4	97.8	98.9	97.6	97.9	96.8	93.4	89.2	86.9		132.5
	40000	82.3	92.3	94.6	95.1	95.2	95.0	95.0	89.9	86.7	84.8		130.8
	50000	77.8	88.9	90.4	90.9	92.4	91.3	92.5	85.8	83.4	81.0		129.4
	63000	78.0	84.1	84.6	84.8	87.1	85.9	86.3	79.7	77.8	75.9		128.4
	80000	82.7	83.2	83.0	83.4	83.8	84.0	84.4	76.4	74.7	72.9		128.4
OVERALL MEASURED													
OVERALL CALCULATED		108.5	110.4	112.3	113.6	112.7	111.6	110.2	107.1	104.4	102.2		144.8
PND		118.8	121.0	123.4	125.5	124.4	122.9	120.8	118.0	114.7	111.1		

Run 28/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PRCC. DATE - MONTH 7 DAY 28 NR. 0.0												
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DATA)														
		ANGLES FROM INLET IN DEGREES (AND RADIANS)												
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
FREQ.		(0.35)	(0.52)	(0.79)	(1.07)	(1.55)	(2.22)	(3.14)	(4.51)	(6.54)	(9.42)	(13.3)	(18.8)	(26.7)
SIDELINE 500. FT.		50	67.4	72.0	75.1	77.4	78.9	79.5	79.2	78.2	75.6	74.4		
(192.40 M)		63	67.4	69.9	72.1	73.4	74.4	74.7	73.4	71.0	69.4	67.5		
NFA 2736. RPM		80	69.3	72.7	74.8	74.9	76.6	77.4	77.6	76.1	74.7	71.5		
(287. RAD/SEC)		100	67.4	73.1	75.5	76.1	76.6	77.2	78.7	77.7	75.7	74.5		
NFA 2689. RPM		125	62.3	66.7	71.9	73.9	74.4	74.3	73.3	72.5	71.6	69.3		
(284. RAD/SEC)		150	59.3	63.6	67.4	68.4	68.9	69.1	68.8	67.3	65.8	63.1		
NFD 3244. RPM		200	57.7	63.4	68.3	69.6	70.0	69.7	69.6	68.1	66.4	63.9		
(340. RAD/SEC)		250	58.2	61.7	68.2	70.8	71.2	71.2	70.4	68.4	66.4	63.4		
AIRFLOW RATIO		315	54.0	60.6	67.9	71.0	71.4	70.9	69.9	67.7	64.7	61.2		
(1340. RPM)		400	52.4	59.8	69.0	72.5	72.4	71.2	70.2	68.5	64.7	61.2		
VF/M 12-00		500	49.5	58.9	67.4	72.1	72.4	72.0	71.0	68.8	65.0	60.7		
VEHICLE UTHS:K		630	54.2	63.1	70.0	74.5	74.8	73.5	71.8	69.3	65.4	61.0		
CONFIG 601		800	56.8	66.3	73.0	78.3	78.9	78.1	74.8	73.1	68.6	62.9		
LCC SCHEMECTADY		1000	56.1	65.8	72.4	77.1	77.5	77.3	74.9	72.0	68.2	63.0		
DATE 7/1/75		1250	55.1	65.3	71.8	77.3	78.5	78.1	76.0	72.6	69.1	63.6		
RUM 28/1		1600	55.6	65.7	73.2	78.1	77.5	76.1	74.0	70.6	66.8	64.0		
TAPE		2000	51.9	63.9	71.1	75.0	76.3	76.1	75.2	71.3	67.4	63.2		
FAH TIP SPEED		2500	51.6	65.4	72.1	75.9	77.1	77.5	76.4	72.5	68.0	63.8		
848. FT/SEC		3150	50.3	63.2	70.5	74.5	76.0	76.0	75.4	71.5	67.3	62.9		
VEHICLE		4000	45.2	59.8	67.3	72.1	73.8	74.0	74.2	69.8	66.0	62.4		
CONFIG		5000	42.3	58.5	66.4	71.2	72.9	74.1	74.0	69.9	66.1	62.6		
LCC SCHEMECTADY		6300	36.6	54.1	63.4	68.4	70.7	71.8	71.5	66.6	63.4	60.9		
DATE 7/1/75		8000	28.1	48.5	56.9	64.8	66.7	68.7	68.7	65.6	61.1	57.8		
RUM 28/1		10000	9.5	38.6	50.7	57.0	60.8	62.8	64.0	59.3	55.8	52.6		
TAPE		OVERALL CALCULATED	75.0	80.2	84.8	88.1	88.8	88.7	87.9	85.6	83.2	80.7		
FAH TIP SPEED		PAGE	77.2	88.5	95.4	99.4	100.4	100.6	99.7	96.3	92.5	88.8		

SIDELINE 200. FT.		50	77.2	81.0	83.7	85.8	84.1	85.1	85.8	84.4	83.8	82.7		
(60.96 M)		63	77.5	79.1	80.9	82.0	82.8	83.0	81.7	79.4	77.7	75.8		
NFA 2736. RPM		80	79.7	82.2	83.8	83.6	85.2	85.9	86.1	84.5	83.1	80.0		
(287. RAD/SEC)		100	78.0	82.8	84.6	85.0	85.4	85.9	87.3	86.2	84.3	83.2		
NFA 2689. RPM		125	73.3	76.6	81.3	82.9	83.3	83.1	82.0	81.2	80.3	78.1		
(284. RAD/SEC)		150	70.6	73.7	76.9	77.6	78.0	78.0	77.7	76.1	74.7	72.0		
AIRFLOW RATIO		200	69.3	73.8	78.1	79.0	79.1	78.7	78.6	77.0	75.4	73.0		
VF/M 12-00		250	68.1	72.4	78.2	80.4	80.5	80.4	79.5	77.5	75.6	72.6		
VEHICLE UTHS:K		315	66.3	71.5	78.0	80.8	80.9	80.3	79.2	76.9	73.9	70.5		
CONFIG 601		400	65.1	71.1	79.4	82.4	82.1	80.7	79.6	77.9	74.1	70.7		
LCC SCHEMECTADY		500	62.5	70.4	78.0	82.3	82.2	81.6	80.6	78.3	74.5	70.4		
DATE 7/1/75		630	67.7	75.0	80.9	84.9	84.3	83.3	81.5	79.0	75.2	70.8		
RUM 28/1		800	70.8	78.5	84.2	89.0	89.2	88.2	84.7	83.0	78.5	73.0		
TAPE		1000	70.7	78.5	84.0	88.0	88.0	87.5	85.1	82.1	78.4	73.3		
FAH TIP SPEED		1250	70.2	78.4	83.7	88.5	89.3	88.6	86.4	82.9	79.4	74.1		
VEHICLE		1600	71.5	79.3	85.5	89.6	88.6	86.9	84.6	81.2	77.5	74.8		
CONFIG		2000	68.6	78.2	83.9	86.9	87.7	87.2	86.2	82.3	78.4	75.3		
LCC SCHEMECTADY		2500	69.1	80.2	85.7	88.2	88.9	88.9	87.8	83.7	79.3	75.3		
DATE 7/1/75		3150	69.1	78.9	84.4	87.4	88.3	87.9	87.1	83.1	79.0	74.8		
RUM 28/1		4000	66.1	76.8	82.3	85.8	86.9	86.6	86.6	82.1	78.4	75.0		
TAPE		5000	64.2	76.3	82.0	85.5	86.4	87.1	86.8	82.6	78.9	75.7		
FAH TIP SPEED		6300	61.9	74.2	80.8	84.2	85.6	86.0	85.5	82.4	77.4	75.2		
VEHICLE		8000	56.6	72.1	79.0	82.9	83.6	84.9	84.5	81.2	76.8	73.9		
CONFIG		10000	47.5	67.1	74.7	78.4	80.5	81.8	82.3	77.4	74.1	71.4		
LCC SCHEMECTADY		OVERALL CALCULATED	86.1	91.5	96.1	99.2	99.6	99.4	96.4	95.6	92.7	90.1		
DATE 7/1/75		PAGE	94.1	103.1	108.5	111.7	112.3	112.1	111.2	107.7	104.0	100.4		



FREQ.		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. LAB)													
		ANGLES FROM INLET IN DEGREES (AND RADIAN) 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0.													
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)
50	67.2	73.2	76.1	77.6	78.3	74.6	74.6	73.7	73.3	72.9					
63	68.7	71.6	73.6	74.9	75.6	75.4	74.4	71.7	69.9	68.7					
SIDELINE 500. FT. (152.40 M)	80	69.8	74.0	75.5	75.9	77.6	78.2	78.4	77.0	75.7	72.5				
NFA 2838. RPM (297. RAD/SEC)	100	67.9	73.8	76.5	76.9	77.4	78.5	79.0	78.1	77.0	75.0				
NFK 2785. RPM (292. RAD/SEC)	125	63.6	68.2	72.7	74.6	75.2	74.6	74.3	73.7	72.1	70.1				
NFD 3244. RPM (340. RAD/SEC)	160	59.8	64.1	68.6	69.4	69.9	69.8	69.8	68.7	66.8	63.9				
AIRFLOW RATIO NF/NH 12:6G	200	58.5	64.2	68.8	70.9	70.7	70.9	70.4	68.8	67.1	64.9				
VEHICLE UTMSIM CONFIC LCC SCMECTADY	250	56.2	62.7	68.7	71.3	72.0	71.7	71.2	69.3	66.9	64.4				
DATE 7/1/75	315	53.8	61.1	68.4	70.8	71.9	71.7	70.7	68.6	65.2	61.9				
RUN 29/2	400	52.6	59.4	68.5	71.7	72.9	72.0	71.6	68.7	65.2	62.2				
TAPE	500	50.2	59.1	67.1	71.9	72.6	71.7	71.0	68.5	65.2	61.0				
FAN TIP SPEED 800. FT/SEC	630	54.7	63.1	69.7	74.3	74.3	73.2	71.8	68.8	65.4	61.2				
OVERALL CALCULATED PND8	800	58.6	66.3	73.5	78.1	78.4	77.1	75.5	72.5	68.6	63.4				
	1000	53.1	60.1	72.9	77.4	79.2	78.3	76.2	72.7	69.5	64.0				
	1250	57.1	65.8	73.1	77.6	79.5	78.8	77.3	73.6	70.1	64.9				
	1600	58.6	67.9	74.7	79.8	80.3	78.4	76.5	72.5	69.3	65.0				
	2000	53.4	64.4	71.3	75.2	76.3	77.1	75.7	71.5	67.9	62.9				
	2500	53.8	65.6	73.0	75.9	78.4	78.5	77.4	73.5	69.3	64.8				
	3150	51.0	63.4	71.5	74.2	77.0	77.0	76.4	72.6	68.5	63.8				
	4000	46.9	60.5	68.8	72.3	75.0	74.7	75.5	70.9	67.2	63.6				
	5000	43.7	59.4	68.1	72.2	74.6	75.3	75.0	71.5	67.1	64.3				
	6300	38.6	55.5	65.4	69.4	71.9	72.9	73.0	69.5	65.6	62.6				
	8000	27.7	49.7	60.3	65.5	68.6	69.6	70.1	67.0	62.7	58.9				
	10000	10.7	40.0	52.3	57.7	61.9	63.5	65.2	60.9	57.0	53.7				
	OVERALL CALCULATED PND8	75.7	81.2	85.7	88.6	89.8	89.4	88.6	86.1	83.7	81.0				
	PND8	79.8	89.1	96.3	99.6	101.5	101.8	100.6	97.2	93.6	89.8				

	50	77.0	82.2	84.7	86.1	86.6	82.8	83.0	81.9	81.5	81.2
SIDELINE 200. FT. (60.96 M)	63	78.7	80.8	82.4	83.5	84.0	83.8	82.7	80.1	78.2	77.1
	80	80.2	83.4	84.5	84.6	86.2	86.7	86.8	85.5	84.1	81.0
	100	78.5	83.5	85.7	85.8	86.1	87.1	87.5	86.7	85.6	83.7
	125	74.6	78.1	82.0	83.7	84.0	83.6	83.0	82.4	80.8	78.9
	160	71.1	74.2	77.2	78.6	79.0	78.7	78.7	77.6	75.4	72.8
	200	70.1	74.6	78.6	80.2	79.9	79.9	79.4	77.7	76.1	74.0
	250	68.1	73.4	78.7	80.9	81.3	80.9	80.3	78.4	76.0	73.6
	315	66.1	72.0	78.5	80.5	81.4	81.0	79.9	77.8	74.4	71.3
	400	65.3	70.6	78.9	81.6	82.6	81.5	80.4	78.1	74.6	71.7
	500	63.3	70.7	77.8	82.0	82.5	81.4	80.6	78.0	74.8	70.7
	630	68.2	75.0	80.6	84.6	84.3	83.1	81.5	78.5	75.2	71.1
	800	72.6	78.5	84.7	88.7	88.7	87.2	85.4	82.4	78.5	73.5
	1000	72.7	78.7	84.5	88.2	89.7	88.5	86.3	82.8	79.6	74.3
	1250	72.2	78.9	85.0	88.7	90.3	89.3	87.6	83.9	80.4	75.4
	1600	74.5	81.5	87.0	91.4	91.4	89.2	87.1	83.1	80.0	75.8
	2000	70.1	78.7	84.1	87.1	87.7	86.2	86.2	82.5	78.9	74.0
	2500	71.3	80.4	86.3	88.2	90.1	89.9	88.6	84.7	80.5	76.2
	3150	69.8	79.1	85.4	87.1	89.3	88.9	88.1	84.3	80.2	75.7
	4000	67.8	77.5	83.8	86.1	88.1	87.3	87.8	83.2	79.6	76.2
	5000	65.7	77.2	83.7	86.5	88.1	88.3	87.8	84.3	79.9	77.4
	6300	63.4	75.6	82.7	85.2	86.7	87.2	86.9	83.3	79.6	76.9
	8000	58.3	73.3	80.4	83.6	85.5	85.8	85.9	82.6	78.5	75.1
	10000	48.4	68.5	76.3	79.0	81.7	82.2	83.4	79.0	75.2	72.5
OVERALL CALCULATED PND8	87.0	92.4	97.0	99.7	100.7	100.1	99.2	96.2	93.5	90.6	
	PND8	95.4	103.7	109.5	111.9	113.4	113.0	112.2	108.7	105.1	101.5

ORIGINAL PAGE IS OF POOR QUALITY





Run 28/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 22 HR. 9.7															
		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	50	68.9	74.5	77.4	78.1	79.1	75.1	76.0	75.7	75.5	73.6						
(152.40 M.)	63	69.7	74.9	76.8	77.6	78.9	77.2	75.9	74.2	73.1	71.2						
NFA (2972. RPM)	80	72.1	75.2	77.5	77.4	78.6	79.4	79.4	78.0	76.6	73.4						
(311. RAD/SEC)	100	69.6	75.1	78.2	78.6	78.9	79.2	80.0	79.1	77.7	75.7						
NFA (2911. RPM)	125	65.8	69.2	73.9	75.6	76.2	76.3	75.5	74.9	73.5	71.3						
(305. RAD/SEC)	150	61.0	65.9	69.6	71.4	72.5	72.4	71.9	70.5	68.9	66.4						
NFA (3244. RPM)	200	58.4	64.0	69.7	72.6	73.0	73.2	72.4	70.8	68.9	65.4						
(340. RAD/SEC)	250	56.3	62.3	68.4	71.8	72.9	73.0	71.9	69.4	66.7	63.6						
AIRFLOW RATIO	315	54.6	61.1	69.0	72.5	73.7	73.0	72.2	70.2	66.7	63.4						
WF/HM 12.60	400	52.2	59.9	67.4	72.4	73.4	72.7	71.5	69.5	65.9	62.2						
	630	52.2	61.1	67.2	73.3	73.3	72.7	71.3	69.3	65.6	61.7						
VEHICLE UTMSIM	800	54.6	62.5	68.5	74.1	73.7	72.9	71.5	69.5	65.8	62.1						
CONFIG 601	1000	58.7	67.1	73.5	78.2	79.3	78.3	75.7	73.7	69.0	64.8						
LOC SCHENECTADY	1250	58.9	66.6	73.1	77.9	79.3	78.4	76.6	74.1	69.8	64.6						
DATE 7/1/75	1630	57.0	65.9	73.1	77.7	79.7	79.1	77.8	74.6	70.8	65.3						
RUN 28/3	2030	60.2	69.7	76.4	80.9	81.2	80.1	77.7	74.0	70.5	66.4						
TAPE	2500	54.3	64.5	71.4	75.4	76.8	77.3	75.7	72.1	68.7	64.4						
FAN TIP SPEED	3150	52.4	65.4	72.7	76.2	78.3	79.2	78.1	74.7	70.0	66.0						
921. FT/SEC	4000	49.7	62.9	70.8	74.0	76.5	76.6	76.1	72.6	68.9	64.6						
	5000	46.6	60.3	68.6	73.2	74.9	75.0	75.4	71.8	68.1	64.4						
	6300	39.7	57.2	65.7	71.0	73.0	74.6	74.7	70.5	66.7	63.3						
	8000	31.3	50.8	61.4	66.4	69.9	70.7	71.4	68.4	64.5	61.3						
OVERALL CALCULATED	10000	17.4	42.6	55.4	61.3	64.6	67.2	67.4	64.5	60.7	56.7						
PNDB		77.4	82.6	86.8	89.4	90.5	90.1	89.3	87.2	84.6	82.0						
		61.3	66.6	69.2	70.3	70.7	70.7	70.7	68.2	64.9	61.0						
SIDELINE 200. FT.	50	78.7	83.5	86.0	86.6	87.4	83.3	84.3	83.9	83.8	81.8						
(60.96 M.)	63	79.7	84.1	85.6	86.2	87.3	85.5	84.2	82.9	81.4	79.5						
	80	82.5	84.7	86.5	86.1	87.2	87.9	87.8	86.5	85.1	81.9						
	100	80.3	84.8	87.4	87.5	87.6	87.9	88.5	87.7	86.3	84.4						
	125	76.8	79.1	83.3	84.7	85.0	85.1	84.2	83.6	82.2	80.0						
	160	73.1	75.7	78.9	80.1	80.5	80.2	80.7	79.1	77.1	74.5						
	200	72.6	76.3	79.3	80.7	81.6	81.4	80.9	79.5	77.8	75.4						
	250	70.4	74.7	79.7	82.1	82.3	82.4	81.5	79.9	78.0	74.6						
	315	68.6	73.3	78.5	81.5	82.4	82.3	81.2	78.6	75.9	73.0						
	400	67.3	72.3	79.4	82.4	83.3	82.5	81.6	79.6	76.1	72.9						
	500	65.3	71.4	78.0	82.5	83.2	82.4	81.1	79.0	75.5	71.8						
	630	65.7	73.0	78.1	83.6	83.4	82.5	81.0	79.0	75.4	71.5						
	800	68.6	74.7	79.7	84.7	84.0	82.9	81.4	79.4	75.8	72.1						
	1000	73.2	79.8	85.3	89.0	89.8	88.6	85.8	83.8	79.1	75.0						
	1250	74.0	79.7	85.0	89.1	90.1	88.9	86.9	84.4	80.2	75.1						
	1600	72.9	79.5	85.4	89.3	90.8	89.9	88.5	85.2	81.5	76.1						
	2000	77.0	83.9	89.2	92.9	92.6	91.2	88.7	84.9	81.5	77.5						
	2500	71.8	79.3	84.6	87.7	88.5	88.8	87.0	83.3	79.9	75.8						
	3150	71.2	81.1	86.6	89.1	90.6	91.1	89.8	86.4	81.7	77.9						
	4000	70.6	80.0	85.8	87.5	89.6	89.2	88.4	84.9	81.2	77.3						
	5000	68.6	78.1	84.2	87.5	88.4	88.6	88.2	84.6	80.9	77.4						
	6300	65.0	77.3	83.1	86.8	87.8	88.9	88.6	84.3	80.7	77.6						
	8000	61.8	74.4	81.5	84.5	86.8	86.8	87.1	84.0	80.2	77.5						
OVERALL CALCULATED	10000	55.1	71.2	79.3	82.6	84.3	86.0	85.7	82.6	79.0	75.5						
PNDB		68.7	93.7	97.9	100.6	101.4	101.0	100.0	97.4	94.7	91.7						
		97.8	105.6	110.4	113.5	114.3	114.4	113.2	110.1	106.4	102.7						

## Run 28/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 9.7																
		MODEL SOUND PRESSURE LEVELS (50. DFC. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.67)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.																		
( 5. F)																		
VEHICLE UTMSIM	100	99.8	94.0	88.5	85.3	87.3	88.8	89.8	89.8	89.3	87.5							124.4
CONFIG GO1	125	98.3	94.5	92.3	91.4	91.3	92.3	92.3	91.3	91.0	90.8							126.1
LCC SCHENECTADY	160	99.0	96.5	96.3	95.5	93.8	93.5	93.8	92.8	91.8	90.8							127.9
DATE 7/1/75	200	102.7	102.2	103.5	103.0	103.2	101.0	99.2	97.0	94.7	94.2							134.3
RUN 28/4	250	103.5	103.2	102.5	101.5	101.0	101.0	100.2	98.7	97.0	94.0							134.0
TAPE	315	101.2	103.0	103.2	102.5	101.2	101.0	101.0	100.0	98.0	96.7							134.5
BAR 30.1 HG	400	98.3	98.8	101.0	100.5	99.5	98.5	98.3	96.5	95.5	93.5							131.9
(01516 N/M2)	500	95.0	95.5	96.5	96.0	94.7	94.0	93.3	91.5	89.7	87.8							127.3
TANS 86. DEG F	630	94.8	95.8	96.8	96.8	95.7	95.3	94.0	92.3	90.5	89.0							128.0
(303. DEG K)	800	93.0	94.3	97.3	97.5	96.7	95.8	95.0	92.3	90.7	88.3							128.4
T-ET 67. DEG F	1000	90.3	93.3	96.0	96.7	96.2	95.3	94.0	91.8	89.0	86.7							127.6
(293. DEG K)	1250	90.0	92.1	96.0	96.0	97.0	96.1	94.8	92.3	89.8	86.5							128.2
HACT11.08 GM/MS	1600	88.8	91.8	94.8	97.8	97.2	95.6	93.9	91.6	88.5	86.1							127.7
(.01108 KG/MS)	2000	89.8	93.1	95.0	99.0	97.5	95.4	93.9	91.4	88.7	85.3							128.1
NFA 11712. RPM	2500	92.5	94.6	96.5	99.2	98.2	95.9	94.4	92.2	89.0	85.3							128.8
(1226. RAD/SEC)	3150	95.7	99.8	101.3	103.9	103.1	100.6	97.9	94.4	91.4	87.3							133.3
NFK 11419. RPM	4000	100.2	102.5	103.7	105.6	105.6	103.3	101.1	97.7	93.9	89.3							135.8
(1196. RAD/SEC)	5000	100.1	102.2	104.1	105.8	106.2	104.2	102.8	98.9	95.5	90.5							136.5
NFD 11517. RPM	6300	101.4	103.6	104.6	106.3	106.2	104.2	101.1	97.7	94.7	91.0							136.8
(1206. RAD/SEC)	8000	100.0	103.3	104.7	105.7	105.2	104.1	101.8	98.7	95.0	91.1							136.4
NO. OF BLADES 18	10000	98.9	103.6	105.8	106.5	106.2	105.9	104.6	100.9	96.9	93.4							137.9
FAN TIP SPEED	12500	99.3	103.7	105.0	106.0	105.8	105.0	104.4	100.4	96.5	93.2							137.6
1022. FT/SEC	16000	98.0	102.2	104.2	104.5	104.1	104.1	103.8	99.5	96.0	93.2							136.9
	20000	96.1	102.3	104.4	104.9	104.3	104.2	103.9	100.7	96.7	94.4							137.6
	25000	96.2	101.4	104.1	103.2	104.5	103.6	103.7	100.5	96.6	95.0							138.1
	31500	94.2	100.6	103.3	103.6	103.0	103.3	103.6	99.5	96.4	94.4							137.1
	40000	87.1	98.6	100.7	101.2	101.1	100.6	101.5	96.9	93.8	92.0							135.8
	50000	82.3	96.6	96.8	96.6	98.6	97.5	98.7	92.7	91.3	88.4							133.0
	63000	80.4	93.0	90.7	90.6	93.3	92.6	92.7	86.7	85.4	82.9							132.3
	80000	83.5	91.1	85.6	85.9	86.7	87.4	86.3	83.3	84.8	82.3							
OVERALL MEASURED																		149.8
OVERALL CALCULATED		112.6	114.8	116.3	117.0	116.8	115.7	115.8	111.6	108.7	106.2							
PNCB		123.5	125.4	126.8	128.2	127.9	126.2	124.8	121.5	118.8	114.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. 54V)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)
50	69.2	71.0	73.4	74.4	73.8	74.4	75.0	74.2	73.0	71.6	
63	72.4	76.4	80.3	81.6	83.1	81.7	80.4	78.2	75.9	74.9	
SIDELINE 500. FT. (152.40 M)	80	72.6	77.0	79.0	79.9	80.6	81.4	81.1	79.8	77.9	74.4
NFA 3299. RPM	100	69.9	76.3	79.5	80.6	80.6	81.2	81.7	80.9	78.7	77.0
( 345. RAD/SEC)	125	66.3	71.7	76.9	78.4	78.7	78.6	78.8	77.2	76.0	73.5
NFK 3216. RPM	160	62.5	68.1	72.1	73.6	73.7	73.8	73.6	72.0	70.0	67.6
( 337. RAD/SEC)	200	61.7	67.9	72.1	74.1	74.5	74.9	74.1	72.5	70.6	68.6
NFD 3244. RPM	250	59.4	66.0	72.2	74.6	75.2	75.2	74.9	72.3	70.6	67.6
( 340. RAD/SEC)	315	56.0	64.6	70.6	73.5	74.4	74.5	73.7	71.8	68.7	65.9
AIRFLOW RATIO	400	55.1	62.9	70.3	74.5	74.9	75.0	74.2	71.9	69.2	65.4
WF/RH 12-60	500	53.2	62.1	68.6	73.9	74.9	74.2	73.0	71.0	67.7	64.7
VEHICLE	630	53.5	62.9	68.5	74.8	74.8	73.7	72.8	70.5	67.6	63.7
UTSLM	830	55.3	63.8	69.5	74.6	75.2	73.9	73.0	71.0	67.6	63.4
CONFIG 601	1000	54.7	64.4	73.7	78.9	79.0	78.3	76.2	72.9	69.7	65.0
LOC SCHENECTADY	1250	61.1	70.4	75.6	80.1	81.8	80.6	79.1	75.8	71.8	66.6
DATE 7/1/75	1600	59.8	69.2	75.4	79.7	82.0	81.1	80.3	76.6	73.1	67.3
RUN 28/4	2000	59.7	69.7	75.2	79.7	81.5	80.6	78.2	75.0	71.8	67.4
TAPE	2500	57.0	66.5	74.6	78.6	80.0	80.1	78.5	75.6	71.7	67.1
FAH TIP SPEED	3150	53.9	67.4	74.7	78.5	80.3	81.2	80.6	77.3	73.0	68.8
1022. FT/SEC	4000	51.3	65.5	72.3	76.9	78.8	79.4	79.6	75.8	71.6	67.2
	5000	48.4	63.1	70.9	74.8	76.6	78.1	78.6	74.6	70.9	67.2
	6300	41.2	59.7	68.5	73.1	75.1	76.7	77.2	74.3	70.0	66.9
	8000	33.4	53.6	64.2	68.7	72.5	73.5	74.7	71.7	67.6	64.9
	10000	20.3	45.5	58.0	64.2	67.2	69.8	71.3	67.7	64.1	60.8
OVERALL CALCULATED	PNCB	78.3	83.9	88.2	91.1	92.3	92.1	91.5	89.1	86.4	83.6
		62.0	92.3	96.9	102.7	104.3	104.7	104.1	101.1	97.4	93.5

50	79.0	80.0	82.0	82.8	82.1	82.6	83.3	82.4	81.3	79.8	
63	82.5	85.6	89.1	90.2	91.5	90.0	88.7	86.6	84.2	83.3	
SIDELINE 200. FT. ( 60.96 M)	80	83.0	86.4	88.0	88.6	89.2	89.9	89.6	88.2	86.3	82.9
	100	80.5	86.0	88.7	89.5	89.4	89.9	90.3	89.4	87.3	85.6
	125	77.3	81.6	86.3	87.4	87.5	87.3	87.5	85.9	84.7	82.3
	160	73.8	78.2	81.7	82.8	82.7	82.7	82.4	80.8	78.9	76.5
	200	73.3	78.3	81.8	83.5	83.6	83.9	83.1	81.5	79.6	77.7
	250	71.4	76.7	82.2	84.1	84.5	84.4	84.0	81.4	79.7	76.8
	315	68.3	75.5	80.8	83.3	83.9	83.8	82.9	80.8	77.9	75.2
	400	67.8	74.1	80.7	84.4	84.6	84.5	83.7	81.3	78.6	74.9
	500	66.3	73.7	79.3	84.0	84.7	83.9	82.6	80.5	77.2	74.3
	630	67.0	74.7	79.4	85.1	84.9	83.5	82.5	80.2	77.4	73.5
	800	69.3	76.0	80.7	85.2	85.5	83.9	82.9	80.9	77.5	73.4
	1000	73.2	81.0	85.3	89.8	90.3	88.6	86.3	83.0	79.9	75.3
	1250	76.2	83.5	87.5	91.3	92.6	91.1	89.4	86.2	82.2	77.1
	1600	75.7	82.8	87.7	91.3	93.1	91.9	91.0	87.2	83.7	78.1
	2000	76.5	83.9	87.9	91.5	92.9	91.7	89.2	85.9	82.8	78.5
	2500	74.6	83.3	87.8	90.9	91.8	91.5	89.7	86.8	82.9	78.6
	3150	72.7	83.1	88.6	91.4	92.6	93.1	92.4	88.9	84.7	80.7
	4000	72.1	82.5	87.3	90.6	91.8	92.0	92.0	88.2	84.0	80.3
	5000	70.4	80.9	86.5	89.1	90.2	91.2	91.4	87.3	83.7	80.2
	6300	66.6	79.8	85.9	88.9	89.9	90.9	91.2	88.1	84.0	81.1
	8000	63.9	77.2	84.4	86.8	89.3	89.7	90.4	87.4	83.3	81.0
	10000	54.0	74.1	81.9	85.5	86.9	88.6	89.5	85.7	82.3	79.6
OVERALL CALCULATED	PNCB	89.7	95.4	99.5	102.2	103.2	103.0	102.4	99.6	96.5	93.6
		98.5	107.2	112.3	115.2	116.3	116.4	115.7	112.6	108.9	105.2



Run 28/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 9.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)	0. (0.00)
SIDELINE 500. FT. (152.40 M)	50	66.2	70.7	74.1	75.4	75.1	77.1	77.5	76.7	76.1	73.9						
NFA 2645. RPM (1277. RAD/SEC)	63	66.2	69.1	71.6	72.6	73.9	73.4	72.1	70.3	68.4	66.5						
NFK 2593. RPM (1271. RAD/SEC)	80	68.6	72.0	74.3	74.1	75.4	76.2	77.1	75.3	74.2	70.5						
NFD 3244. RPM (1340. RAD/SEC)	100	66.9	72.1	74.7	75.6	76.1	76.5	77.5	76.4	75.0	73.0						
AIRFLOW RATIO W/FWH 12-60	125	63.3	67.7	72.2	73.6	74.2	73.6	73.5	71.5	70.1	68.3						
VEHICLE CONFIG LOC SCHEMECTADY DATE 7/1/75 RUN 28/5 TAPE	150	58.5	65.3	69.1	68.6	68.4	68.8	67.8	67.0	64.3	65.4						
FAN TIP SPEED 820. FT/SEC	200	58.2	63.2	68.1	68.9	69.5	69.4	68.6	67.1	65.4	64.2						
	250	55.2	61.2	65.0	63.8	70.5	70.4	69.2	66.6	65.4	62.7						
	315	53.5	61.6	67.4	69.3	74.4	70.5	69.4	66.9	66.7	62.5						
	400	51.1	61.9	67.8	70.7	72.4	71.0	69.5	67.0	65.2	61.7						
	500	48.2	57.6	66.6	70.9	71.6	72.2	69.5	67.0	65.5	59.7						
	630	53.5	63.4	70.0	75.5	75.5	75.5	72.8	70.6	68.2	61.0						
	800	54.6	65.3	71.7	77.1	77.4	76.9	74.5	71.8	67.6	62.4						
	1000	54.4	64.8	70.9	76.1	77.2	76.3	74.2	71.0	67.0	62.3						
	1250	52.8	64.6	71.8	76.6	75.3	76.6	75.5	71.9	66.3	62.9						
	1600	53.1	63.4	71.1	75.3	76.0	74.9	73.0	68.8	65.6	61.5						
	2000	50.6	62.9	70.6	74.4	75.5	76.1	73.7	70.3	66.1	61.7						
	2500	50.0	63.9	71.5	74.9	76.4	76.7	75.1	70.8	66.5	62.8						
	3150	47.7	62.9	69.2	73.2	75.2	75.7	74.6	69.7	65.5	62.3						
	4000	43.2	60.5	66.5	70.5	72.5	73.4	73.2	68.2	63.9	61.0						
	5000	39.9	59.9	65.8	70.1	72.1	73.3	72.5	68.8	64.1	62.3						
	6300	35.0	55.7	62.5	67.1	69.3	71.1	70.1	67.0	62.3	61.8						
	8000	24.7	49.3	57.2	62.9	65.3	67.5	67.0	63.9	58.6	59.1						
	10000	7.8	39.6	49.2	55.3	59.3	61.1	61.8	58.9	53.4	54.4						
OVERALL CALCULATED PNDB	74.2	79.6	84.2	87.1	89.2	88.1	87.2	84.7	82.6	79.9							

SIDELINE 200. FT. (60.96 M)	50	76.0	79.7	82.7	83.8	83.4	85.3	85.8	84.9	84.3	82.2						
	63	76.2	78.3	80.4	81.2	82.3	81.6	80.4	78.6	76.7	74.8						
	80	79.0	81.4	83.3	82.8	83.9	84.7	85.6	83.8	82.6	79.0						
	100	77.5	81.6	83.9	84.5	84.9	85.1	86.0	85.0	83.6	81.7						
	125	74.3	77.6	81.5	82.7	83.0	82.3	82.2	80.2	78.8	77.1						
	160	69.8	76.5	78.7	77.8	77.5	77.7	76.7	75.9	73.2	74.3						
	200	69.8	73.6	77.6	78.2	78.6	78.4	77.6	76.0	74.4	73.2						
	250	67.1	71.9	77.9	79.4	79.8	79.6	78.3	75.7	74.5	71.9						
	315	65.8	72.5	77.5	79.5	83.9	79.8	78.7	76.1	75.9	71.8						
	400	63.8	73.1	78.2	80.6	82.1	80.5	78.9	76.4	74.6	71.2						
	500	61.3	69.2	77.3	81.0	81.5	81.9	79.1	76.6	75.0	69.4						
	630	67.0	75.2	80.9	85.9	85.6	85.3	82.5	80.3	75.9	70.8						
	800	68.6	77.5	83.0	87.7	87.7	86.9	84.4	81.7	77.5	72.5						
	1000	68.9	77.5	82.5	87.0	87.7	86.5	84.3	81.1	77.1	72.6						
	1250	67.9	77.7	83.7	87.7	89.0	87.1	85.9	82.2	78.7	73.4						
	1600	69.0	77.0	83.5	86.9	87.1	85.7	83.6	79.4	76.2	72.3						
	2000	67.3	77.1	83.3	86.4	87.0	87.2	84.6	81.2	77.1	72.8						
	2500	67.6	78.6	84.8	87.2	88.1	88.2	86.4	81.9	77.8	74.2						
	3150	66.6	78.6	83.1	86.1	87.5	87.5	86.3	81.3	77.2	74.2						
	4000	64.0	77.5	81.5	84.3	85.6	86.1	85.6	80.5	76.3	73.7						
	5000	61.9	77.7	81.4	84.4	85.6	86.3	85.2	81.5	76.8	75.3						
	6300	67.3	75.8	79.9	87.9	84.2	85.4	84.1	80.8	76.3	76.1						
	8000	55.2	73.0	77.4	81.0	82.2	83.7	82.8	79.5	74.4	75.3						
	10000	45.5	68.2	73.2	76.6	79.1	79.9	80.1	77.0	71.6	73.1						
OVERALL CALCULATED PNDB	85.2	91.0	95.3	98.1	98.9	98.6	97.5	94.6	92.0	89.5							

ORIGINAL PAGE IS OF POOR QUALITY

## Run 28/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAY)											PROC. DATE - MONTH 7 DAY 22 HR. 9.7					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL	17. FT.	100	91.8	86.8	81.0	82.0	84.3	86.3	87.3	87.3	87.0	85.3						120.0
VEHICLE	( S. H)	125	93.8	90.3	91.0	90.8	90.3	92.0	92.3	91.6	91.0	90.0						125.0
CONFIG	UTMSIM	160	95.3	95.5	97.0	96.0	94.3	96.5	97.8	96.6	96.0	95.6						120.8
LOC	GO	200	94.7	93.0	92.2	92.5	92.2	91.5	89.5	87.3	85.8	84.8						124.3
LOC	SCHENECTADY	250	98.5	97.0	96.2	94.5	94.5	94.5	94.7	93.0	92.3	89.3						120.0
DATE	7/1/75	315	96.2	97.0	96.5	95.5	94.0	92.5	92.3	90.0	89.3	86.0	86.3					128.4
RUM	28/6	400	91.0	91.5	93.5	94.0	92.5	92.3	90.0	89.3	86.0	86.3						124.8
TAPE		500	87.8	88.0	88.8	87.8	87.2	87.5	85.0	84.1	82.3	80.3						119.7
EAR	30.1 MG	630	87.8	89.0	90.3	90.3	88.7	87.6	86.5	84.8	83.0	80.8						121.0
	(01518. N/M2)	800	86.0	87.8	91.0	91.8	90.2	89.8	87.8	85.6	83.5	81.3						122.0
TAMP	80. DEG F	1000	84.3	86.5	90.7	91.7	91.0	89.3	87.8	84.8	81.8	79.6						121.8
	(300. DEG K)	1250	83.8	86.5	92.5	93.7	92.2	90.8	88.6	85.9	82.1	79.3						123.2
INLET	65. DEG F	1600	82.3	86.6	92.3	94.3	92.7	90.9	89.4	86.2	82.8	79.4						121.5
	(291. DEG K)	2000	82.5	87.6	92.5	94.7	93.0	90.6	88.1	85.5	82.5	78.6						130.4
MACT	11.19 GM/M3	2500	89.3	95.1	98.5	101.7	98.2	98.4	96.6	93.2	88.8	83.9						126.0
	(.01119 KG/M3)	3150	89.2	94.6	97.8	100.2	99.1	96.3	93.9	90.7	86.7	82.4						120.1
NFA	8811. RPH	4000	89.4	94.5	97.2	99.3	98.8	97.0	94.1	91.2	87.4	82.6						133.8
	( 923. RAD/SEC)	5000	94.3	98.5	102.4	103.5	104.2	100.5	99.5	95.7	92.3	86.5						129.0
NFK	8638. RPM	6300	89.9	94.9	97.8	100.0	98.2	95.4	93.4	89.5	86.2	82.3						120.9
	( 904. RAD/SEC)	8000	89.9	95.5	98.4	100.0	99.0	97.8	94.8	91.2	87.2	83.1						130.8
NFD	11517. RPM	10000	90.3	96.8	99.3	99.9	100.2	98.8	95.8	92.0	87.4	83.9						130.2
	(1206. RAD/SEC)	12500	90.0	96.1	98.4	99.2	99.2	97.4	95.6	91.2	86.7	83.6						129.4
NO. OF BLADES	18	16000	83.5	95.9	96.9	98.0	97.5	96.0	95.5	90.3	86.3	83.4						129.7
FAN TIP SPEED	769. FT/SEC	20000	87.2	95.7	96.8	97.8	97.2	96.1	95.5	90.6	86.1	83.4						128.9
		25000	86.3	94.5	95.2	96.1	95.8	94.7	94.1	90.1	85.2	84.2						120.8
		31500	83.7	92.7	94.3	95.2	94.8	94.1	92.9	88.6	84.4	83.0						126.9
		40000	78.1	89.3	90.9	91.2	91.5	90.8	90.0	85.9	81.5	80.8						125.7
		50000	76.4	86.9	86.9	87.2	89.2	87.8	87.6	82.8	78.7	79.3						123.8
		63000	78.3	83.7	81.9	82.1	84.2	83.7	81.4	79.5	74.6	75.7						127.6
		80000	82.8	84.1	83.1	83.5	83.9	83.6	76.0	77.3	74.1	74.3						
OVERALL MEASURED																		142.7
OVERALL CALCULATED		105.6	108.3	110.4	111.6	110.9	109.4	108.2	105.2	102.7	100.8							
PdBB		116.4	119.9	123.0	124.3	123.9	121.6	120.2	117.0	114.0	109.8							

Run 28/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 22 HR. 9.7

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DATA)														
		ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	65.4	70.0	74.1	74.9	74.3	77.4	79.1	78.0	77.3	76.4					
	63	64.4	67.1	69.1	71.1	72.1	72.2	70.6	68.5	66.9	65.5					
	80	67.6	70.7	72.8	72.9	74.1	74.9	75.6	74.1	73.2	69.7					
NFA (2402. RPM)	100	64.9	70.3	72.7	73.6	73.9	75.2	76.2	74.9	73.2	71.6					
	125	59.1	64.5	69.4	71.9	71.7	72.3	70.5	70.0	68.6	66.3					
	160	55.3	60.6	64.4	65.4	66.2	67.3	65.3	64.5	62.6	60.1					
NFK (2433. RPM)	200	54.7	61.2	65.6	67.6	67.5	67.2	66.6	65.1	63.1	60.4					
	250	52.4	59.5	65.0	68.8	68.7	69.2	67.7	65.6	63.4	60.7					
NFE (3244. RPM)	315	50.0	57.8	65.4	68.5	69.2	68.5	67.5	64.7	61.4	58.7					
	400	48.9	57.4	66.8	70.2	70.2	69.7	68.0	65.5	61.7	58.2					
AIRFLOW RATIO NF/HM 12-60	500	46.7	56.9	66.1	70.4	70.4	69.5	68.5	65.5	62.0	58.0					
	630	46.2	57.4	66.0	70.5	70.3	69.0	67.0	64.6	61.4	57.0					
	800	52.1	64.3	71.5	77.1	75.2	76.4	75.2	72.0	67.4	61.9					
VEHICLE CONFIG UTHSM CG1	1000	51.2	63.1	70.2	75.2	74.8	74.0	72.2	69.2	65.0	60.1					
	1250	50.4	62.4	69.1	73.9	75.1	74.4	72.1	69.4	65.4	59.9					
LOC SCHENECTADY	1600	54.0	65.4	73.6	77.5	80.0	77.4	77.1	73.4	69.8	63.4					
DATE 7/1/75	2000	48.2	60.9	68.4	73.4	73.5	71.9	70.5	66.8	63.3	58.7					
RUN 28/6	2500	47.0	60.8	68.3	72.8	73.8	73.8	71.5	68.1	63.9	59.2					
TAPE	3150	45.4	60.6	68.1	72.0	74.3	74.2	71.9	68.3	63.5	59.3					
FAN TIP SPEED 769. FT/SEC	4000	42.0	57.9	65.8	70.0	72.2	71.8	70.8	66.6	61.9	58.2					
	5000	38.8	56.7	63.6	68.2	70.1	70.1	70.3	65.4	61.1	57.4					
	6300	32.4	53.1	60.9	66.0	68.0	68.6	68.9	64.2	59.5	55.8					
	8000	23.5	46.7	55.3	61.1	63.8	64.6	65.0	61.4	56.2	54.1					
	10000	9.8	37.5	49.0	55.7	59.0	60.0	60.6	58.7	52.2	49.4					
OVERALL CALCULATED PNDB	72.5	77.8	82.8	86.0	86.7	86.6	86.6	86.2	83.9	81.8	79.6					
	74.1	85.6	93.0	97.0	98.5	98.1	96.7	93.3	89.7	85.3						
	50	75.2	79.0	82.7	83.3	82.6	85.6	87.3	86.2	85.5	84.7					
	63	74.5	78.3	77.9	79.7	80.5	80.5	78.9	76.9	75.2	73.8					
SIDELINE 200. FT. (60.96 M)	80	78.0	80.2	81.8	81.6	82.7	83.4	84.1	82.5	81.6	78.2					
	100	75.5	80.0	81.9	82.5	82.6	83.9	84.8	83.5	81.8	80.4					
	125	70.1	74.4	78.8	80.9	80.5	81.1	79.2	78.7	77.3	75.1					
	160	66.6	70.7	73.9	74.6	75.2	76.2	74.2	73.4	71.4	69.0					
	200	66.3	71.6	75.3	77.0	76.6	76.2	75.6	74.0	72.1	69.5					
	250	64.4	70.2	75.9	78.4	78.0	78.4	76.8	74.7	72.5	69.9					
	315	62.3	68.8	75.5	78.3	78.7	77.8	76.7	73.9	70.7	68.0					
	400	61.6	68.6	77.2	80.1	79.8	79.2	77.4	74.9	71.1	67.7					
	500	59.8	68.4	76.8	80.5	80.2	79.1	78.1	75.1	71.5	67.7					
	630	59.7	69.2	76.9	80.9	80.4	78.8	76.8	74.3	71.2	68.8					
	800	66.1	76.5	82.7	87.7	85.5	86.4	85.2	81.9	77.3	72.0					
	1000	65.7	75.8	81.8	86.0	85.3	84.3	82.3	79.3	75.2	70.3					
	1250	65.5	75.4	81.0	85.1	85.8	84.9	82.4	79.7	75.7	70.4					
	1500	69.9	79.0	85.9	89.0	91.1	88.2	87.7	84.0	80.5	74.2					
	2000	64.9	75.1	81.2	85.4	84.9	83.0	81.4	77.7	74.3	69.8					
	2500	64.6	75.5	81.6	85.2	85.5	85.2	82.7	79.3	75.2	70.6					
	3150	64.2	76.3	82.1	84.9	86.5	86.1	83.6	79.9	75.2	71.2					
	4000	62.8	75.0	80.7	83.8	85.3	84.4	83.2	78.9	74.3	70.8					
	5000	60.8	74.6	79.2	82.5	83.6	83.1	83.1	78.1	73.9	70.5					
	6300	57.7	73.2	78.3	81.8	82.8	82.8	82.8	78.1	73.4	70.1					
	8000	54.0	70.3	75.5	79.2	80.7	80.8	80.8	77.0	72.0	70.2					
	10000	47.5	66.1	73.0	77.0	78.7	79.4	78.8	74.8	70.4	68.2					
OVERALL CALCULATED PNDB	83.4	89.2	94.0	97.1	97.6	97.0	96.2	93.5	91.0	88.6						
	90.2	100.5	106.2	109.3	110.2	109.8	108.2	104.7	100.8	96.9						



## Run 28/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVEL (59. DFC, 70 PERCENT REL. HUM. FAY)											PROC. DATE = MONTH 7 DAY 22 HR. 9.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL	17. FT.																	
VEHICLE	(5. H)	100	86.3	80.6	78.6	81.5	84.5	86.8	88.3	87.8	88.5	87.6						120.1
CCNFIG	UTMSIM	125	89.3	86.4	85.8	85.8	88.0	91.0	92.3	92.6	93.0	93.6						124.7
LCC	CO	160	88.3	87.1	89.3	88.8	86.8	86.3	87.8	86.6	87.0	87.6						121.1
DATE	SCHEMECTADY	200	88.8	87.1	87.6	88.5	89.3	89.0	87.3	84.5	83.5	82.8						120.7
RLN:	7/1/75	250	92.3	90.6	88.3	88.0	88.7	90.5	90.5	89.5	88.3	86.0						122.0
TAPE	28/7	315	91.0	91.6	89.3	87.5	87.2	88.8	89.8	89.3	87.8	86.8						122.4
BAR	30.1 HG	400	85.3	85.4	86.8	86.3	86.3	84.1	83.0	83.3	81.8	80.8						118.0
TAHB	(G1518. N/M2)	500	82.8	82.4	82.6	82.0	80.3	81.1	79.8	83.6	77.3	76.8						116.7
INLET	78. DEG F	630	82.3	85.2	85.3	85.6	84.3	87.3	80.8	80.6	77.0	83.1						117.4
HACT	(299. DEG K)	800	80.1	85.9	87.8	87.3	85.7	85.6	82.5	80.1	78.8	82.8						118.1
NO. OF BLADES	65. DEG F	1000	79.3	84.9	88.1	88.0	86.7	84.0	82.8	79.3	79.3	85.6						118.5
FAN TIP SPEED	1250. DEG F	1250	83.3	85.4	89.3	89.0	88.0	85.9	84.3	81.6	79.5	87.3						119.8
VELOCITY	(291. DEG F)	1600	79.1	85.7	89.4	89.0	85.0	85.9	83.6	80.7	83.0	86.4						119.7
VELOCITY	11.77 GM/M3	2000	85.1	90.5	96.6	96.3	92.7	91.4	89.1	86.2	83.5	81.6						125.2
VELOCITY	(0.01177 KG/M3)	2500	86.3	92.2	95.9	95.5	93.4	91.6	88.6	85.5	81.5	78.1						124.0
VELOCITY	7055. RPM	3150	85.5	90.4	92.8	93.0	91.7	88.9	86.1	82.5	82.5	75.6						124.9
VELOCITY	(739. RAD/SEC)	4000	90.7	95.9	98.2	100.4	100.1	95.0	92.8	89.7	85.6	82.5						122.0
VELOCITY	6929. RPM	5000	87.1	92.8	95.4	97.0	95.5	91.5	88.8	85.2	83.1	78.5						129.5
VELOCITY	(725. RAD/SEC)	6300	86.4	91.7	93.7	94.8	93.2	90.7	87.1	83.2	82.7	77.3						125.0
VELOCITY	11517. RPM	8000	86.2	91.9	94.2	94.7	93.9	91.8	87.7	83.4	81.4	77.1						124.1
VELOCITY	(1206. RAD/SEC)	10000	85.9	92.6	95.1	94.9	94.2	92.3	89.3	84.2	81.9	77.4						124.8
VELOCITY	18 12500	12500	85.0	91.2	93.7	93.5	93.2	90.9	88.6	83.1	80.2	77.0						125.3
VELOCITY	16000	16000	84.2	90.0	91.7	92.7	91.5	89.5	88.4	82.2	78.4	75.8						124.3
VELOCITY	20000	20000	81.4	88.7	90.6	91.2	90.6	89.1	87.2	81.8	76.5	76.1						123.3
VELOCITY	25000	25000	80.4	87.5	88.9	89.5	89.4	87.1	85.7	80.5	75.6	77.0						122.7
VELOCITY	31500	31500	77.3	86.1	87.2	87.5	86.6	86.5	84.7	79.2	74.8	76.3						121.8
VELOCITY	40000	40000	71.6	83.0	84.2	84.2	84.0	82.6	82.5	76.4	72.5	73.5						121.1
VELOCITY	50000	50000	68.1	80.7	80.4	80.9	81.6	80.3	79.7	73.5	71.1	71.0						119.4
VELOCITY	63000	63000	68.6	76.6	75.0	74.2	76.3	75.3	74.7	69.5	69.9	68.2						118.5
VELOCITY	80000	80000	72.2	74.1	72.6	73.2	73.3	73.6	74.0	70.9	73.5	70.9						118.1
OVERALL MEASURED																		119.3
OVERALL CALCULATED		100.8	104.1	106.3	106.9	105.9	103.9	102.1	99.8	98.7	98.6							137.6
PWDB		113.0	117.3	119.6	120.8	120.0	117.1	114.6	111.9	109.3	107.6							

Run 28/Reading 7

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 22 NR. 9.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. 8A7)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)
SIDELINE 500. FT. (152.40 M)	50 58.4	61.6	66.5	67.7	66.8	67.1	69.1	68.0	68.3	68.4				
NFA 1987. RPM (208. RAD/SEC)	63 58.4	61.3	64.4	67.2	69.1	69.7	68.4	65.8	64.6	63.5				
NFK 1952. RPM (204. RAD/SEC)	80 61.9	64.3	64.8	66.4	68.4	71.0	71.4	70.6	69.2	68.5				
NFD 3244. RPM (340. RAD/SEC)	100 59.6	65.0	65.6	65.7	66.7	69.0	70.5	70.2	68.5	67.0				
AIRFLOW RATIO NFA/NM 12.60	125 53.4	58.4	62.8	64.2	65.4	64.1	63.5	64.0	62.3	60.8				
VEHICLE CONFIG LOC SCHENECTADY DATE 7/1/75 RPM 2877 TAPE FAH TIP SPEED 616. FT/SEC	150 49.3	57.3	60.6	62.9	63.0	66.9	60.9	60.8	57.1	62.7				
OVERALL CALCULATED PMDB	250 46.5	57.6	62.8	64.4	64.2	65.0	62.4	60.1	58.7	62.2				
	315 45.1	56.2	62.7	64.8	65.0	64.0	62.5	59.2	58.9	64.7				
	400 45.4	56.2	63.6	65.5	65.9	64.8	63.7	61.2	59.0	66.2				
	500 43.5	56.0	63.2	65.2	65.6	64.5	62.8	60.0	62.2	65.0				
	630 43.7	60.2	75.0	72.1	70.1	69.7	68.0	65.3	62.4	61.7				
	800 49.1	61.4	68.8	70.9	70.4	69.7	67.2	64.3	60.1	59.3				
	1000 47.5	59.0	65.3	67.9	68.3	66.8	64.4	61.0	60.8	57.0				
	1250 51.6	63.7	70.2	74.9	76.3	72.9	70.6	67.9	63.6	59.9				
	1600 46.8	59.8	66.7	71.0	71.2	68.4	66.3	62.9	60.6	55.4				
	2000 44.8	57.8	64.2	68.2	68.5	67.1	64.2	60.6	59.8	53.7				
	2500 43.3	57.1	64.2	67.6	68.8	67.8	64.5	60.4	58.2	53.2				
	3150 40.9	56.5	63.9	67.0	68.2	67.7	65.3	60.5	58.0	52.8				
	4000 37.7	53.0	61.0	64.2	66.2	65.3	63.7	58.5	55.3	51.4				
	5000 34.5	50.8	58.3	62.9	64.0	63.5	63.3	57.3	53.3	49.9				
	6300 26.6	46.2	54.7	59.4	61.4	61.5	60.5	55.4	49.9	48.5				
	8000 17.6	39.7	49.0	54.5	57.4	57.0	56.7	51.8	46.6	46.9				
	10000 3.4	31.6	41.9	48.0	50.8	53.0	52.4	47.3	42.5	42.7				
	OVERALL CALCULATED PMDB	66.9	73.1	78.6	81.4	82.0	81.1	79.9	78.0	78.3	75.9			
		68.0	81.6	88.6	91.7	92.7	92.1	90.1	86.3	83.7	82.0			

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. (60.96 M)	50 68.2	70.6	75.1	76.1	75.1	75.4	77.3	76.2	76.5	76.7				
	63 68.5	70.5	73.2	75.7	77.6	78.1	76.7	74.1	73.0	71.8				
	80 72.3	73.8	73.8	75.1	77.0	79.5	79.9	79.0	77.6	75.0				
	100 70.3	74.7	74.7	74.6	75.4	77.7	79.0	78.7	77.1	75.7				
	125 64.4	68.3	72.1	73.2	74.3	72.9	72.2	72.7	71.0	69.6				
	160 61.6	65.1	67.8	68.9	68.2	69.8	68.9	72.9	66.4	65.5				
	200 60.9	67.7	70.4	72.3	72.1	78.0	69.9	69.8	66.1	71.7				
	250 58.4	68.3	72.8	73.9	73.5	74.2	71.5	69.2	67.8	71.4				
	315 57.4	67.1	72.9	74.6	74.4	73.3	71.7	68.4	68.2	74.0				
	400 58.1	67.5	74.0	75.4	75.6	74.2	73.2	70.6	68.4	75.7				
	500 56.6	67.6	73.9	75.3	75.5	74.2	72.4	69.6	71.8	74.7				
	630 62.3	72.1	81.0	82.4	80.1	79.6	77.8	75.0	72.2	71.5				
	800 63.1	73.6	80.0	81.5	80.7	79.7	77.2	74.2	70.0	69.4				
	1000 62.0	71.6	76.8	76.8	78.8	76.8	74.6	71.1	70.9	67.3				
	1250 66.8	76.8	82.1	86.1	87.1	83.4	81.2	78.2	74.0	70.4				
	1600 62.7	73.4	79.0	82.5	82.3	79.2	77.0	73.5	71.2	68.2				
	2000 61.5	72.0	77.0	80.1	79.9	78.3	75.2	71.5	70.8	64.8				
	2500 60.8	71.9	77.4	79.9	80.5	79.3	75.7	71.6	69.4	64.6				
	3150 59.7	72.2	77.9	79.9	80.5	79.6	77.1	72.1	69.7	64.7				
	4000 58.5	70.0	76.0	78.0	75.2	77.9	76.1	70.9	67.7	64.0				
	5000 56.5	68.6	73.9	77.2	77.5	76.0	76.1	70.0	66.1	62.9				
	6300 51.9	66.3	72.0	75.2	76.2	75.0	74.5	69.2	63.8	62.7				
	8000 46.2	63.3	69.2	72.6	74.3	73.3	72.4	67.4	62.3	63.1				
	10000 41.2	59.6	65.9	69.4	78.6	71.7	78.4	69.4	60.7	61.9				
	OVERALL CALCULATED PMDB	73.2	84.9	90.0	92.5	92.7	91.4	89.8	87.4	85.5	85.1			
		65.5	86.4	101.9	104.2	104.8	103.7	101.8	97.6	95.0	92.8			

## Run 29/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. FAV)											PROC. DATE - MONTH 7 DAY 22 HR. 10.2					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.		50	63	80														
VEHICLE (S. M)		100	96.3	92.3	87.8	86.8	89.8	91.3	91.3	89.8	88.8	87.3						124.0
CONFIG UTHSIM		125	96.3	93.0	92.0	91.3	92.3	92.8	93.5	91.0	91.0	90.0						125.0
LCC SCHEMECTADY		200	97.3	98.0	99.0	99.5	97.5	96.3	96.5	95.5	94.3	93.6						130.4
DATE 7/1/75		250	99.0	98.5	98.2	98.5	98.0	95.2	94.0	91.2	89.3	87.8						120.1
RUN 29/4		315	101.2	99.7	99.0	97.5	98.0	98.0	98.0	96.0	95.0	92.3						131.1
TYPE		400	100.0	101.0	100.7	99.2	98.5	99.3	99.0	97.5	96.0	94.8						132.2
BAR 3C.0 HG		500	97.5	98.0	97.7	98.0	97.5	98.0	97.8	94.5	91.8	90.8						130.1
(01355. N/M2)		630	94.5	93.3	92.8	92.5	93.5	92.5	93.0	90.0	87.8	89.6						129.0
TAMB 84. DEG F		800	95.8	94.3	94.0	96.0	96.7	95.0	90.8	90.3	89.0	87.3						127.3
(302. DEG K)		1000	97.3	92.5	95.8	99.8	96.7	94.6	91.0	89.0	87.3	86.1						128.1
T-ET 65. DEG F		1250	89.3	92.8	95.0	97.2	96.2	93.1	90.5	88.0	86.5	84.8						126.5
(291. DEG K)		1600	87.3	93.3	94.5	97.5	96.2	93.8	90.8	88.6	85.3	86.0						126.7
MACT10.34 GH/M3		2000	84.0	91.8	93.5	97.0	95.2	95.8	91.4	89.1	85.8	88.0						126.0
(0.01004 KG/M3)		2500	91.5	94.6	93.5	96.7	95.7	95.4	91.4	89.4	86.0	85.6						126.0
NFA 9801. RPM		3150	91.8	93.8	97.5	100.5	100.4	98.4	95.1	92.7	88.5	88.1						130.3
(1026. RAD/SEC)		4000	94.0	98.1	102.0	105.2	104.4	103.1	100.4	97.2	92.5	88.9						134.7
NFK 5573. RPM		5000	93.9	96.8	101.2	103.3	103.6	101.0	97.8	94.7	90.9	86.1						133.2
(1002. RAD/SEC)		6300	93.1	97.2	100.4	102.0	103.0	101.2	98.3	94.9	91.1	86.8						132.0
NFD 11517. RPM		8000	95.9	100.2	103.4	105.6	104.0	103.2	99.4	95.7	92.0	88.0						135.0
(1206. RAD/SEC)		10000	93.5	97.8	100.7	102.5	102.3	102.1	98.8	95.2	91.5	87.4						133.2
NO. OF BLADES 18		12500	93.9	99.1	102.8	103.7	103.3	102.7	100.3	96.7	92.3	88.2						134.5
FAN TIP SPEEDS		16000	94.1	99.0	102.0	102.8	102.8	101.5	100.0	95.7	91.3	87.0						134.0
856. FT/SEC		20000	92.1	96.8	99.6	100.6	100.2	99.2	98.9	93.4	89.9	86.6						132.2
		25000	92.4	96.2	99.5	100.3	100.6	99.1	99.0	94.8	90.6	87.0						132.7
		31500	90.3	95.8	99.0	100.4	100.1	99.0	98.1	95.1	90.8	88.0						133.1
		40000	89.1	95.6	99.5	100.1	99.7	99.1	98.3	95.0	90.9	88.1						133.0
		50000	83.9	93.9	97.5	97.0	97.8	97.1	97.1	92.4	88.8	86.3						133.2
		63000	80.4	91.4	94.1	93.9	95.7	94.3	94.8	88.8	86.2	83.3						132.4
		80000	80.3	86.6	88.4	88.5	90.4	89.2	89.6	83.6	80.8	78.9						129.0
		100000	84.0	85.3	84.9	85.5	88.4	85.9	85.6	82.7	76.3	74.0						131.0
OVERALL MEASURED																		
OVERALL CALCULATED		109.5	111.1	113.4	114.8	114.4	113.4	111.5	108.4	105.4	103.4						140.3	
PNDB		119.5	122.2	124.9	127.2	126.6	125.5	122.9	120.0	116.3	113.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
50	67.4	72.5	76.1	78.4	77.6	77.1	77.8	76.9	75.6	74.4	
63	67.7	70.6	73.1	75.1	75.9	75.9	75.1	72.5	70.4	68.5	
SIDELINE 500. FT. (152.40 M)	80	70.3	73.5	75.5	75.9	77.6	78.4	78.9	77.0	75.9	72.7
NFA 2761. RPM (289. RAD/SEC)	100	68.6	74.3	77.0	77.4	77.9	79.5	79.7	78.4	76.7	75.0
NFK 2696. RPM (282. RAD/SEC)	125	65.6	71.0	73.7	75.9	76.7	78.1	78.3	75.2	72.3	70.8
NFD 3244. RPM (340. RAD/SEC)	160	62.0	65.8	68.4	70.1	72.4	72.3	73.3	70.5	68.1	69.4
AIRFLOW RATIO	200	62.7	66.4	69.3	73.4	75.5	75.4	70.9	70.5	69.1	66.9
NF/MM 12-00	250	63.7	64.3	70.7	76.8	75.2	73.9	70.9	69.1	67.2	65.4
VEHICLE CONFIG	315	55.0	64.1	69.6	74.0	74.4	72.2	70.2	67.9	66.2	64.0
LOC SCHEENECTARY	400	54.4	64.1	68.8	74.0	74.2	72.7	70.2	68.2	66.7	65.7
DATE 7/1/75	500	49.2	61.9	67.4	73.1	72.9	74.2	70.5	68.5	65.0	67.2
RUN 29/4	630	55.5	64.4	71.0	76.3	77.8	76.7	74.1	71.6	67.4	66.5
TAPE	800	56.8	67.3	75.0	80.6	81.4	81.1	79.0	76.0	71.1	66.9
FAH TIP SPEED	1000	55.7	65.4	73.7	78.4	80.3	78.8	76.2	73.2	69.2	63.8
856. FT/SEC	1250	54.1	65.1	72.4	76.6	79.3	78.6	76.3	73.1	69.1	64.2
OVERALL CALCULATED	1600	55.7	67.2	74.7	79.6	79.8	80.2	77.0	73.5	69.6	65.5
PNEB	2000	51.9	64.0	71.4	76.0	77.6	75.6	76.0	72.6	68.7	64.0
	2500	51.1	64.5	72.9	76.8	78.2	78.8	77.2	73.8	69.1	64.4
	3150	49.4	63.0	71.1	75.1	77.1	77.1	76.3	72.3	67.6	63.2
	4000	44.4	59.0	67.2	71.7	73.5	73.9	74.4	69.1	65.4	61.3
	5000	41.2	57.4	66.6	71.0	73.6	73.6	74.3	70.3	65.9	62.3
	6300	36.1	53.9	63.7	69.2	71.5	72.1	72.1	69.3	64.7	61.0
	8000	27.3	48.7	60.6	66.0	68.7	69.9	70.1	67.2	62.7	59.0
	10000	11.4	40.2	53.5	58.9	63.4	64.9	66.1	61.9	57.9	54.2
OVERALL CALCULATED		76.2	81.4	85.9	89.6	90.6	90.6	89.4	86.8	84.1	82.0
PNEB		78.0	88.9	96.3	100.5	101.9	102.2	100.8	97.6	93.5	89.9

	50	77.2	81.5	84.7	86.8	85.9	85.3	86.0	85.1	83.8	82.7
	63	77.7	79.8	81.9	83.7	81.3	84.3	83.4	80.8	78.7	76.8
SIDELINE 200. FT. (60.96 M)	80	80.7	82.9	84.5	84.6	86.2	86.9	87.3	85.5	84.4	81.2
	100	79.3	84.0	86.2	86.3	86.6	88.1	88.3	86.9	85.3	83.7
	125	76.6	80.9	83.0	84.9	85.5	86.8	87.0	83.9	81.0	79.6
	160	73.3	76.0	77.9	79.3	81.5	81.2	82.2	79.3	76.9	78.3
	200	74.3	76.8	79.1	82.7	84.6	84.4	79.9	79.5	78.1	76.0
	250	75.6	74.9	80.7	86.4	84.5	83.1	80.0	78.2	76.3	74.6
	315	67.3	75.0	79.8	83.8	83.9	81.5	79.4	77.1	75.4	73.3
	400	67.1	75.3	79.2	83.9	83.8	82.2	79.6	77.6	74.1	75.2
	500	62.3	73.4	78.0	83.3	82.7	83.9	80.1	78.0	74.5	76.9
	630	69.0	76.2	81.9	86.6	87.8	86.6	83.8	81.5	77.2	76.3
	800	70.8	79.5	86.2	91.2	91.7	91.2	89.0	85.9	81.0	77.0
	1000	70.4	78.0	85.2	89.3	90.8	89.1	86.3	83.3	79.4	74.1
	1250	69.2	78.2	84.2	87.8	90.0	89.1	86.7	83.4	79.4	74.7
	1600	71.6	80.8	87.0	91.1	90.9	91.0	87.6	84.1	80.3	76.3
	2000	68.7	78.2	84.2	87.9	89.0	89.7	87.0	83.5	79.7	75.1
	2500	68.7	79.2	86.1	89.1	90.0	90.2	88.4	85.0	80.4	75.8
	3150	68.2	78.7	85.0	88.0	89.4	89.0	88.0	83.9	79.3	75.1
	4000	65.2	76.0	82.2	85.5	86.5	86.5	86.8	81.4	77.2	73.9
	5000	63.2	75.2	82.2	85.3	87.2	86.6	87.1	83.0	78.7	75.4
	6300	61.5	74.0	81.1	85.0	86.4	86.3	86.0	83.2	78.7	75.3
	8000	57.8	72.3	80.7	84.1	85.5	86.0	85.9	82.8	78.5	75.1
	10000	49.1	68.7	77.5	80.2	83.1	83.7	84.4	80.0	76.2	72.9
OVERALL CALCULATED		87.3	92.4	97.1	100.4	101.3	101.1	99.7	96.8	93.7	91.4
PNEB		94.3	103.4	109.4	112.7	113.8	113.6	112.3	108.8	104.8	101.5

## Run 29/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 10.3																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. 24V)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL 17. FT.	50																	
	63																	
	80																	
VEHICLE ( 5. M)	100	96.0	92.0	84.5	84.0	86.8	87.5	88.8	89.0	88.5	87.0							122.5
CONFIG UTHSIM	125	97.0	93.0	92.0	91.5	91.5	92.0	92.5	91.0	90.8	90.0							123.0
LCC SCHEMECTARY	160	98.3	100.5	100.8	101.8	100.0	95.3	94.3	93.3	92.8	92.0							131.1
DATE 7/1/75	200	99.2	98.2	97.5	97.8	97.5	95.5	93.7	91.5	90.2	88.5							129.1
RUN 29/5	250	102.0	101.2	100.2	99.7	99.0	98.5	98.5	97.0	95.5	93.0							132.0
TAPE	315	101.0	101.5	101.2	100.5	99.5	99.3	99.2	98.2	97.0	95.2							132.9
BAR 30.0 HG	400	96.8	96.0	98.0	98.2	97.7	96.5	95.0	94.0	92.7	91.0							129.5
(101305. N/M2)	500	93.5	92.8	93.8	92.8	92.2	91.0	90.3	89.0	87.0	85.0							124.6
TAMB 84. DEG F	630	92.8	93.3	94.3	94.8	94.0	92.0	91.3	90.0	88.0	86.3							125.7
(302. DEG K)	800	91.5	91.8	94.3	95.0	94.0	93.3	91.8	89.8	87.7	85.3							125.7
T-ET 65. DEG F	1000	88.8	89.8	93.7	95.0	94.0	92.8	91.3	89.3	85.7	83.2							125.2
(291. DEG K)	1250	88.3	89.1	93.9	95.5	95.0	93.3	91.6	89.6	86.0	82.8							125.7
HACT13.04 GH/M3	1600	86.5	88.6	93.5	96.3	95.7	93.9	92.1	89.6	86.0	82.8							128.0
(.01004 KG/M3)	2000	87.3	90.1	93.5	97.0	96.5	94.9	92.6	90.2	86.7	82.6							126.7
NFA 10152. RPM	2500	90.3	93.6	96.3	99.7	99.4	97.9	95.1	92.9	88.5	84.1							129.6
(1063. RAD/SEC)	3150	95.5	98.3	101.5	105.4	105.4	104.6	102.1	100.0	94.7	89.3							135.7
NFA 9918. RPM	4000	95.9	98.8	101.7	104.1	104.6	102.5	99.1	95.9	91.9	86.8							134.3
(1206. RAD/SEC)	5000	96.1	98.0	100.6	103.0	103.3	101.2	98.6	95.1	91.0	86.5							133.2
NFD 11517. RPM	6300	99.4	101.2	103.6	106.1	105.7	104.0	100.4	96.5	92.7	88.5							135.0
(1206. RAD/SEC)	8000	95.5	98.3	101.2	102.8	102.8	101.6	99.3	96.2	91.7	87.9							133.5
NO. OF BLADES 18	10000	95.7	100.9	103.6	104.7	104.3	103.2	101.6	98.0	93.0	89.4							135.5
FAN TIP SPEED 886. FT/SEC	12500	95.9	99.7	102.0	103.3	103.6	102.8	101.7	97.2	92.8	88.8							134.9
	16000	94.1	98.1	100.3	101.9	101.7	100.2	99.4	95.9	91.4	87.7							133.4
	20000	91.9	98.2	100.0	101.3	101.9	100.4	100.3	96.8	91.8	89.3							133.9
	25000	92.1	97.6	100.5	101.2	101.6	100.0	99.6	96.6	91.8	89.9							134.3
	31500	93.4	97.3	100.0	101.1	101.0	100.6	99.5	96.3	92.3	89.6							135.1
	40000	85.4	95.7	98.2	98.7	99.1	98.6	98.6	94.4	90.3	88.3							134.7
	50000	80.9	93.4	94.9	95.4	97.2	96.1	96.6	91.3	88.9	85.0							134.0
	63000	80.3	88.6	89.4	89.8	92.4	90.5	90.9	85.1	83.8	80.6							131.3
	80000	84.0	85.6	85.4	86.3	86.9	86.6	86.1	82.7	85.0	82.5							131.0
OVERALL MEASURED																		
OVERALL CALCULATED		110.2	112.0	113.8	115.3	115.2	113.9	112.3	109.4	106.1	103.4							107.0
PND8		121.0	122.6	124.8	127.4	127.2	126.0	123.8	121.5	117.4	113.3							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. @ 70 PERCENT REL. HUM. WAVE)														
ANGLES FROM INLET IN DEGREES (AND RADIANS)														
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)
50	68.4	75.0	77.9	79.9	80.1	76.1	75.5	74.7	74.0	72.9				
63	68.9	72.4	74.3	76.4	77.4	76.2	74.9	72.7	71.4	69.2				
SIDELINE 500. FT. (152.40 M)	80	71.1	75.0	76.8	77.1	76.6	78.9	79.4	78.0	76.4	73.4			
NFA 2060. RPM	100	69.6	74.8	77.5	78.6	78.9	79.5	80.0	79.1	77.7	75.5			
( 299. RAD/SEC)	125	64.8	69.0	73.9	76.1	76.9	76.6	75.5	74.7	73.3	71.0			
NFK 2793. RPM	160	61.0	65.3	69.4	70.4	71.2	70.8	70.6	69.5	67.3	64.8			
( 292. RAD/SEC)	200	59.7	65.4	69.6	72.1	72.7	72.2	71.4	70.3	68.1	65.9			
NFD 3244. RPM	250	57.9	63.5	69.2	72.1	72.5	72.7	71.7	69.8	67.6	64.6			
( 340. RAD/SEC)	315	54.5	61.1	68.4	71.8	72.2	72.0	70.9	69.1	65.4	62.4			
AIRFLOW RATIO	400	53.4	59.9	68.0	72.2	72.9	72.2	71.2	69.2	65.4	61.7			
WF/HM 12:00	500	51.0	58.9	67.4	72.4	73.4	72.5	71.3	69.0	65.2	61.4			
	630	54.0	63.4	69.7	75.5	76.8	76.2	74.1	72.0	67.4	62.4			
	800	58.3	67.5	74.5	80.8	82.4	82.6	80.8	78.8	73.3	67.4			
VEHICLE UTHSIM	1000	57.9	67.4	74.2	79.1	81.3	80.3	77.4	74.5	70.2	64.5			
CONFIG G03	1250	57.1	65.9	72.6	77.6	79.5	78.6	76.5	73.3	69.0	63.8			
LOC SCHENECTADY	1600	59.2	68.2	74.9	80.1	81.6	80.9	78.0	74.3	70.3	65.5			
DATE 7/1/75	2000	53.9	64.5	71.9	76.3	78.1	78.1	76.5	73.6	68.9	64.4			
RUN 29/5	2500	52.9	66.2	73.6	77.8	79.2	79.3	78.4	75.0	69.8	65.6			
TAPE	3150	51.1	63.8	71.1	75.6	77.9	78.4	78.0	73.8	69.1	64.4			
FAN TIP SPEED	4000	45.4	60.2	68.0	73.0	75.0	74.9	74.9	71.6	66.9	62.5			
886. FT/SEC	5000	42.7	59.4	67.1	72.0	74.9	74.6	75.5	71.6	67.1	63.8			
	6300	37.9	55.6	65.2	70.0	73.0	73.1	73.6	70.8	65.7	62.9			
	8000	28.5	50.4	61.1	67.0	69.9	71.4	71.4	68.5	64.2	60.4			
	10000	12.9	41.9	54.3	60.6	64.6	66.4	67.6	63.9	59.4	56.1			
OVERALL CALCULATED	PNDP	76.7	82.2	86.5	89.9	91.3	90.9	89.8	87.6	84.6	81.6			
		79.5	89.7	96.7	101.0	102.6	102.6	101.9	98.7	94.3	90.2			

50	78.2	84.0	86.5	88.3	88.4	84.3	83.8	82.9	82.3	81.1				
63	79.0	81.6	83.1	85.0	85.8	84.5	83.2	81.1	79.7	77.5				
SIDELINE 200. FT. ( 60.96 M)	80	61.5	64.4	65.8	65.8	67.2	67.4	67.8	66.5	64.8	61.9			
	100	60.3	64.5	66.7	67.5	67.6	68.1	68.5	67.7	66.3	64.1			
	125	75.8	78.9	83.3	85.2	85.8	85.3	84.2	83.4	82.0	79.8			
	160	72.3	75.5	78.9	79.6	80.2	79.7	79.4	78.3	76.1	73.7			
	200	71.3	75.8	79.3	81.5	81.9	81.2	80.4	79.2	77.1	74.9			
	250	69.9	74.2	79.2	81.6	81.8	81.9	80.8	78.9	76.7	73.8			
	315	66.8	72.0	78.5	81.5	81.7	81.3	80.2	78.3	74.7	71.7			
	400	66.1	71.1	78.4	82.2	82.6	81.7	80.6	78.6	74.8	71.2			
	500	64.0	70.4	78.0	82.5	83.2	82.1	80.8	78.5	74.7	71.1			
	630	67.5	75.2	80.7	85.9	85.8	86.1	83.8	81.6	77.1	72.3			
	800	72.3	79.8	85.7	91.5	92.7	92.7	90.7	88.7	83.3	77.4			
	1000	72.4	80.0	85.7	90.0	91.8	90.6	87.8	84.6	80.3	74.8			
	1250	72.2	78.9	84.5	88.8	90.3	89.1	86.9	83.7	79.4	74.3			
	1600	75.1	81.8	87.3	91.6	92.6	91.7	88.6	84.9	81.0	76.3			
	2000	70.7	78.7	84.7	88.2	89.5	89.2	87.5	84.5	79.9	75.5			
	2500	70.4	81.0	86.8	90.1	91.0	90.7	89.7	86.2	81.1	77.0			
	3150	70.0	79.5	85.0	88.5	90.2	90.3	89.7	85.4	80.8	76.3			
	4000	67.2	77.2	83.0	86.8	88.0	87.5	87.3	83.9	79.3	75.1			
	5000	64.7	77.2	82.7	86.3	88.4	87.9	86.3	84.3	79.9	76.8			
	6300	63.2	75.7	82.6	85.4	87.9	87.3	87.5	84.7	79.7	77.2			
	8000	59.0	74.1	81.2	85.1	86.8	87.5	87.1	84.1	80.0	76.5			
	10000	50.6	70.5	78.2	82.0	84.4	85.2	85.9	82.0	77.6	74.9			
OVERALL CALCULATED	PNDP	87.9	93.2	97.6	100.9	102.1	101.6	100.4	97.8	94.4	91.2			
		95.5	104.3	109.9	113.3	114.5	114.2	113.4	110.0	105.8	101.8			

ORIGINAL PAGE IS  
OF FOUR QUALITY

## Run 29/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 10.3																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	120	PWL					
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.		100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000
VEHICLE	UTSIM	100	92.8	94.8	84.8	84.0	86.0	87.0	88.8	89.3	88.5	87.0						
CONFIG	GO3	125	92.0	94.8	92.0	91.8	92.3	92.5	92.5	91.8	91.0	91.3						122.5
LOC	SCHENECTADY	160	93.5	99.0	100.3	100.3	100.0	94.5	94.5	94.8	93.8	93.0						125.0
DATE	7/1/75	200	95.2	100.7	100.7	100.7	101.0	97.2	95.2	94.2	92.5	91.2						130.7
RUN	29/6	250	96.7	101.5	101.5	99.7	100.5	100.0	99.2	98.5	96.2	93.7						131.5
TAPE		315	95.7	102.0	102.5	101.2	100.7	100.3	100.2	99.5	97.5	96.2						132.8
BAR	30.0 HG	400	91.8	96.8	99.7	99.7	98.5	97.8	96.3	95.8	93.5	92.2						133.6
	(01335. N/M2)	500	89.3	93.0	95.0	94.0	93.5	92.8	91.3	90.5	88.5	86.3						130.6
TAMB	87. DEG F	630	88.8	93.3	95.5	95.8	95.2	93.8	93.0	91.5	89.8	87.8						126.7
	(304. DEG K)	800	87.3	91.5	95.3	96.0	95.5	94.8	93.0	91.5	89.7	87.0						126.9
TREL	66. DEG F	1000	85.3	90.0	94.5	95.5	95.0	94.3	92.5	90.3	87.5	85.0						126.1
	(292. DEG K)	1250	84.0	89.3	94.3	96.5	95.7	94.1	92.6	91.3	87.5	84.5						126.5
MACT	9.99 GH/M3	1600	82.5	88.8	94.0	96.5	96.7	94.4	92.1	90.6	87.0	83.8						126.8
	(.00999 KG/M3)	2000	83.3	89.6	94.0	98.0	97.2	95.4	92.9	90.9	87.7	84.1						127.4
NFA	10008. RPM	2500	86.0	92.3	96.5	99.7	99.4	97.4	94.9	93.2	88.7	85.3						129.4
	(1110. RAD/SEC)	3150	91.0	98.1	101.8	104.9	105.9	103.3	101.6	98.7	94.9	89.8						135.4
NFK	10331. RPM	4000	92.2	98.3	101.7	104.8	105.3	103.5	100.3	97.4	93.6	86.0						135.0
	(1082. RAD/SEC)	5000	91.6	98.0	101.4	104.0	104.3	102.0	99.3	95.9	92.8	88.7						134.0
MFD	11517. RPM	6300	96.4	103.7	107.1	108.6	108.7	106.0	103.4	100.0	96.5	91.8						138.6
	(1200. RAD/SEC)	8000	91.3	98.9	102.0	103.3	103.3	102.3	99.8	97.0	93.0	89.6						134.1
NO. OF BLADES	18	10000	91.2	100.6	104.3	105.3	105.8	104.4	103.1	100.0	95.5	91.2						136.6
FAN TIP SPEED	16000	12500	91.4	100.5	103.5	104.1	104.4	103.1	102.5	98.3	94.1	90.6						135.7
	926. FT/SEC	20000	90.2	98.4	101.6	102.7	103.0	101.2	101.0	96.7	93.4	90.0						134.5
		25000	87.7	98.2	101.3	102.1	102.4	101.9	100.8	97.6	93.9	91.1						134.8
		31500	88.2	97.7	101.3	102.5	102.7	101.4	101.0	97.7	94.1	91.5						135.5
		40000	86.5	97.7	101.6	101.9	102.1	101.9	100.9	97.6	94.2	91.7						136.3
		50000	81.3	95.8	99.6	100.4	100.5	99.5	100.0	96.1	92.7	90.2						136.0
		63000	77.8	93.2	96.6	96.9	98.9	97.3	98.3	92.5	90.8	87.5						135.5
		80000	77.8	88.9	90.9	91.4	94.0	92.0	92.2	86.7	85.6	82.1						132.8
			84.5	85.8	86.6	86.9	87.9	87.9	87.6	83.2	85.5	82.9						132.5
OVERALL MEASURED																		
OVERALL CALCULATED			105.9	112.5	115.1	116.2	116.5	114.8	113.4	110.6	107.6	104.9						140.1
PNDB			117.2	123.7	126.8	126.3	128.4	126.2	124.1	121.7	118.4	114.5						

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(1.10)	(0.52)	(1.07)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
		50	63.7	73.5	77.4	79.1	80.1	75.4	75.8	76.2	75.0	73.9						
		63	64.2	74.9	77.5	79.4	80.9	77.9	76.4	75.5	73.6	71.9						
SIDELINE 500 FT.	(152.40 M)	80	65.8	75.2	78.0	78.1	80.1	80.4	80.1	79.5	77.1	74.2						
NFA	2987. RPM	100	64.4	75.3	78.7	79.4	80.1	80.5	81.0	80.4	78.2	76.5						
	(313. RAD/SEC)	125	59.8	69.7	75.7	77.6	77.7	77.6	76.8	76.4	74.0	72.3						
NFK	2910. RPM	160	56.8	65.6	70.6	71.6	72.4	72.6	71.6	71.0	68.8	66.1						
	(305. RAD/SEC)	200	55.7	65.4	70.8	72.4	74.0	73.4	73.1	71.8	69.9	67.4						
NFD	3244. RPM	250	53.7	63.3	70.2	73.1	74.0	74.2	72.9	71.6	69.6	66.4						
	(340. RAD/SEC)	315	51.0	61.3	69.1	72.3	73.2	73.5	72.2	70.1	67.2	64.1						
AIRFLOW RATIO		400	49.1	60.1	68.5	73.0	73.7	73.0	72.0	70.9	66.9	63.4						
	NF/WH 12.6C	500	47.0	59.1	67.9	72.5	74.4	73.0	71.3	70.0	66.2	62.4						
		630	47.0	59.4	67.5	73.8	74.6	73.7	71.8	70.0	66.7	62.4						
		800	48.8	61.5	69.5	75.1	76.4	75.4	73.5	72.0	67.3	63.4						
VEHICLE CONFIG	UTHSIM G03	1000	52.9	65.6	74.2	79.9	82.6	81.1	79.9	77.2	73.2	67.5						
		1250	53.1	66.1	73.6	79.4	81.6	80.9	78.3	75.6	71.6	65.4						
LGC SCHEMECTADY		1600	51.3	65.0	72.6	78.0	80.0	78.9	76.8	73.6	70.3	65.6						
DATE	7/1/75	2000	54.8	63.7	77.7	82.0	84.0	82.4	80.5	77.3	73.6	68.2						
RUN	29/6	2500	48.3	64.1	71.9	76.2	78.1	78.4	76.5	73.9	69.7	65.7						
TAPE		3150	46.2	64.5	73.2	77.3	79.9	79.8	79.2	76.3	71.6	66.6						
FAP. TIP SPEED		4000	43.3	62.3	70.9	74.9	77.3	77.4	77.7	73.7	69.2	65.0						
	926. FT/SEC	5000	40.5	59.2	66.3	72.9	75.5	75.3	75.8	71.8	68.2	64.1						
		6300	32.9	55.6	65.5	70.3	73.2	74.3	74.1	71.2	67.2	63.5						
		8000	25.4	49.8	61.5	67.5	70.7	71.3	71.9	69.3	65.0	61.4						
		10000	12.6	42.6	56.3	62.5	66.3	68.4	68.6	65.7	61.9	58.2						
OVERALL CALCULATED			71.9	82.4	87.4	90.5	92.2	91.4	90.4	88.6	85.6	82.8						
	PNEB		75.5	90.2	98.0	102.2	104.2	103.5	102.7	100.1	96.1	91.7						

		50	73.5	82.5	86.0	87.6	88.4	83.6	84.0	84.4	83.3	82.1						
		63	75.0	84.1	86.4	89.0	89.3	86.3	84.7	83.8	81.9	80.3						
SIDELINE 200 FT.	(60.96 M)	80	76.2	84.7	87.0	86.8	88.7	88.9	88.6	88.0	85.8	82.7						
		100	75.0	85.0	87.9	88.3	88.9	89.1	89.5	88.9	86.8	85.1						
		125	70.8	79.6	85.0	86.7	86.5	86.6	85.5	85.1	82.7	81.0						
		160	68.1	75.7	80.2	80.8	81.5	81.8	80.4	79.8	77.6	75.0						
		200	67.3	75.8	80.6	81.7	83.1	82.4	82.1	80.7	78.8	76.4						
		250	65.6	73.9	80.2	82.6	83.3	83.4	82.0	80.7	78.7	75.6						
		315	63.3	72.3	79.3	82.0	82.7	82.8	81.4	79.3	76.4	73.5						
		400	61.8	71.3	78.9	82.9	83.3	82.5	81.4	80.3	76.3	72.9						
		500	60.0	70.7	78.5	82.8	84.2	82.6	80.8	79.5	75.7	72.1						
		630	60.5	71.2	78.4	84.1	84.6	83.0	81.5	79.7	76.4	72.3						
		800	62.8	73.8	80.7	85.7	86.7	85.4	83.4	81.9	77.3	73.4						
		1000	67.5	79.3	85.8	90.8	93.1	91.3	90.1	87.3	83.4	77.8						
		1250	68.3	79.2	85.5	90.6	92.3	91.4	88.7	85.9	82.0	75.9						
		1600	67.2	78.6	85.0	89.5	91.1	89.7	87.5	84.2	81.0	76.4						
		2000	71.5	83.9	90.5	93.9	95.4	93.5	91.5	88.2	84.5	79.3						
		2500	65.9	78.8	85.1	88.5	89.8	89.8	87.8	85.1	81.0	77.1						
		3150	65.1	80.2	87.1	90.2	92.1	91.7	90.9	88.0	83.3	78.5						
		4000	64.2	79.3	85.9	88.6	90.4	90.1	90.1	86.0	81.6	77.6						
		5000	62.5	77.0	83.8	87.2	89.0	88.3	88.6	84.5	81.0	77.1						
		6300	58.3	75.8	82.8	86.1	88.1	88.6	88.1	85.1	81.2	77.6						
		8000	55.9	73.5	81.6	85.6	87.6	87.4	87.7	84.6	80.8	77.5						
		10000	50.3	71.2	80.3	83.8	86.0	87.2	86.8	83.8	80.2	76.9						
OVERALL CALCULATED			83.2	93.4	98.5	101.5	103.0	102.1	101.0	98.7	95.5	92.4						
	PNEB		92.0	104.6	111.0	114.4	115.9	115.2	114.2	111.5	107.5	103.4						



## Run 29/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (50. DEG. F. 70 PERCENT REL. HUM. DAY)											PRCC. DATE - MONTH 7 DAY 22 HR. 10.4					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.76)	(1.07)	(1.5)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
RADIAL 17. FT.		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
VEHICLE ( 5. M)	UTMSIM	100	99.8	97.3	88.5	85.3	87.8	88.8	90.0	90.8	69.5	87.8						125.2
CONFIG	GO3	160	100.8	97.8	93.0	92.0	92.3	92.3	92.3	91.8	91.0	90.5						127.2
LOC	SCHENECTADY	230	99.5	98.3	96.8	96.3	95.3	94.0	94.3	93.0	92.3	91.0						128.7
DATE	7/1/75	230	104.0	104.0	105.0	104.7	104.5	102.2	100.0	96.2	95.5	95.0						135.7
RUN	29/7	315	104.7	104.2	103.7	102.2	102.7	102.0	101.5	100.0	98.0	95.2						135.2
TAPE		400	102.7	104.5	104.7	103.7	102.7	102.0	102.0	100.7	99.0	97.5						135.7
BAR	30.0 HG	500	100.3	100.3	102.5	102.0	101.5	100.3	99.3	98.5	96.5	94.7						133.5
	(01305. N/H2)	630	96.0	96.3	97.5	97.5	96.2	95.3	93.8	92.5	90.5	88.5						128.5
TAMP	89. DEG F	800	96.3	96.8	97.5	98.3	97.7	96.3	95.3	93.8	91.8	89.8						129.4
	(305. DEG K)	1000	94.5	95.5	97.8	98.5	98.0	96.8	95.3	93.8	92.0	89.3						129.4
TMET	66. DEG F	1250	92.3	93.3	96.3	96.8	97.0	95.6	94.5	92.5	89.2	87.3						126.0
	(292. DEG K)	1600	91.3	92.1	96.3	98.5	97.5	96.3	94.6	93.1	89.5	87.0						126.5
HACT	9.43 GM/H3	2030	89.8	91.3	95.0	97.5	96.0	96.1	94.1	92.6	89.0	86.6						128.1
	(.00943 KG/M3)	2530	90.3	92.3	95.5	99.2	97.2	97.1	95.1	93.4	89.7	86.3						129.3
NFA	11801. RPM	3150	92.3	94.1	96.8	100.2	100.4	98.4	96.4	93.9	90.2	86.3						130.4
	(1236. RAD/SEC)	4030	97.5	98.8	101.5	104.2	105.4	103.9	101.6	98.5	94.7	89.3						135.2
NFM	11474. RPM	5000	101.2	102.3	104.2	106.9	108.1	106.6	104.1	100.7	96.1	91.3						137.0
	(1201. RAD/SEC)	6300	100.1	101.7	103.9	105.8	106.3	104.5	102.1	98.4	94.8	90.7						136.4
NFD	11517. RPM	8000	102.2	104.2	105.9	107.8	108.3	106.5	103.7	100.5	96.2	92.5						136.5
	(1206. RAD/SEC)	10000	102.0	104.4	106.3	107.6	107.5	105.1	103.6	100.2	96.3	92.7						138.1
NO. OF BLADES	18	12500	99.7	104.4	106.1	107.1	107.3	107.2	105.7	103.0	97.8	95.0						138.9
FAN TIP SPEED		16000	99.7	103.8	105.9	106.4	106.4	106.4	105.6	102.1	98.1	94.2						138.6
	1639. FT/SEC	20000	96.0	102.5	103.7	104.5	105.1	104.3	104.3	100.3	96.3	93.4						137.2
		25000	96.1	101.6	103.7	104.7	104.3	104.3	104.7	100.7	97.0	95.3						137.6
		31500	96.1	101.3	103.8	104.5	104.9	104.3	104.4	101.4	97.5	95.7						138.3
		40000	95.3	101.7	104.1	104.4	104.3	104.7	104.4	101.6	97.9	95.9						139.3
		50000	89.9	99.9	102.5	102.7	103.3	103.3	103.3	99.6	95.8	94.0						139.2
		63000	85.5	97.6	99.6	99.9	101.9	100.7	102.2	96.7	94.0	91.4						139.8
		80000	83.2	92.8	94.2	94.4	96.8	95.8	96.2	90.8	89.4	86.2						136.3
		100000	85.2	88.3	89.5	89.4	90.9	89.8	89.7	85.4	86.5	83.7						134.9
OVERALL MEASURED																		
OVERALL CALCULATED		113.7	115.5	117.0	117.9	118.2	117.2	116.1	113.2	109.8	107.3							150.8
PDR		124.5	125.7	127.4	129.3	129.9	128.4	126.4	123.6	119.8	116.2							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)											
FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
50	69.7	72.7	73.9	75.1	75.3	74.9	75.5	74.4	73.5	71.9	
63	73.7	78.1	81.8	83.4	84.4	82.9	81.1	79.5	78.6	75.7	
SIDELINE 500. FT. (192.40 M)	80	73.9	78.0	80.3	80.6	82.4	82.4	82.4	81.0	78.9	75.7
NFA 3324. RPM ( 348. RAD/SEC)	100	71.4	77.8	81.0	81.9	82.1	82.2	82.7	81.6	79.7	77.7
NFK 3232. RPM ( 338. RAD/SEC)	125	68.3	73.2	78.4	79.9	80.7	80.3	79.8	79.2	77.0	74.8
NFD 3244. RPM ( 340. RAD/SEC)	160	63.5	66.3	73.1	75.1	75.2	75.1	74.1	73.0	70.8	68.3
AIRFLOW RATIO WE/HM 12.60	200	63.2	68.9	72.8	75.6	76.5	75.9	75.4	74.1	71.9	69.4
VEHICLE CONFIG	250	60.2	67.3	72.7	75.6	76.5	76.2	75.2	73.8	71.9	68.6
LOC SCHEMECTADY	315	58.0	64.6	70.9	73.5	75.2	74.7	74.2	72.4	68.9	66.4
DATE 7/1/75	400	56.4	62.9	70.5	75.0	75.4	75.2	74.0	72.7	68.9	65.9
RUN 2977	500	54.2	61.6	68.9	73.6	75.6	74.7	73.3	72.0	68.2	65.2
TAPE	630	54.0	62.1	69.0	75.0	76.6	75.5	74.0	72.5	68.7	64.7
FAN TIP SPEED 1030. FT/SEC	800	54.8	63.3	69.7	75.6	77.4	76.4	75.0	72.7	68.8	64.4
OVERALL CALCULATED	1000	59.4	62.4	74.2	79.2	82.1	81.6	79.9	77.0	73.0	67.0
PNDR	1250	62.1	70.2	76.2	81.4	84.4	83.9	82.1	78.9	74.1	68.6
	1600	59.8	68.7	75.2	79.8	82.0	81.4	79.6	76.1	72.3	67.6
	2000	60.5	70.2	76.4	81.2	83.5	82.9	80.8	77.8	73.3	69.0
	2500	59.1	69.6	76.2	80.4	82.4	81.2	80.3	77.2	73.0	68.7
	3150	54.7	68.3	75.0	79.1	81.4	82.6	81.7	79.4	73.9	70.4
	4000	51.7	65.6	73.2	77.2	79.4	80.8	80.7	77.5	73.3	68.6
	5000	48.4	63.3	70.4	74.8	77.6	78.4	79.1	75.3	71.1	67.4
	6300	41.3	59.0	67.8	72.9	75.1	76.7	78.0	74.3	70.3	67.7
	8000	33.3	53.5	63.9	69.4	72.9	74.2	75.4	72.7	68.5	65.6
	10000	21.4	46.6	58.8	65.0	68.5	71.1	72.1	69.7	65.7	62.4
OVERALL CALCULATED	79.6	85.0	89.3	92.1	93.8	93.6	92.8	90.6	87.4	84.6	
PNDR	83.1	93.0	99.4	103.6	105.6	106.0	105.3	102.8	98.3	94.7	

50	79.5	81.7	82.5	83.6	83.6	83.1	83.8	82.6	81.8	80.1	
63	83.7	87.3	90.6	92.0	92.8	91.3	89.4	87.8	84.9	84.0	
SIDELINE 200. FT. ( 60.96 M)	80	84.2	87.4	89.3	89.3	90.9	90.9	90.8	89.5	87.3	84.2
NFA 3324. RPM ( 348. RAD/SEC)	100	82.0	87.5	90.2	90.8	90.9	90.9	91.3	90.2	88.3	86.4
NFK 3232. RPM ( 338. RAD/SEC)	125	79.3	83.1	87.8	88.9	89.5	89.1	88.5	87.9	85.7	83.5
NFD 3244. RPM ( 340. RAD/SEC)	160	74.8	79.0	82.7	84.3	84.2	84.0	82.9	81.8	79.6	77.2
AIRFLOW RATIO WE/HM 12.60	200	74.8	79.3	82.6	85.0	85.6	84.9	84.4	83.0	80.8	78.4
VEHICLE CONFIG	250	72.9	77.9	82.7	85.1	85.8	85.4	84.3	82.9	81.0	77.8
LOC SCHEMECTADY	315	70.3	75.5	81.0	83.3	84.7	84.0	83.4	81.6	78.2	75.7
DATE 7/1/75	400	69.1	74.1	80.9	84.9	85.1	84.7	83.4	82.1	78.3	75.4
RUN 2977	500	67.3	73.2	79.5	83.8	85.5	84.4	82.9	81.5	77.7	74.8
TAPE	630	67.5	74.0	79.9	85.4	86.6	85.3	83.8	82.2	78.4	74.5
FAN TIP SPEED 1030. FT/SEC	800	60.9	75.5	81.0	86.2	87.7	86.4	84.9	82.6	78.8	74.4
OVERALL CALCULATED	1000	74.0	80.0	85.5	90.1	92.6	91.8	90.1	87.1	83.1	77.3
PNDR	1250	77.3	83.2	88.0	92.6	95.1	94.4	92.4	89.2	84.5	79.1
	1600	75.7	82.3	87.5	91.3	93.1	92.2	90.3	86.7	83.0	78.4
	2000	77.3	84.5	89.2	93.2	94.9	94.0	91.7	88.7	84.3	80.1
	2500	76.6	84.4	89.4	92.7	94.1	92.6	91.6	88.4	84.2	80.1
	3150	73.6	83.9	88.9	92.0	93.7	94.5	93.5	91.0	85.6	82.3
	4000	72.5	82.7	88.2	91.0	92.5	93.4	93.1	89.8	85.7	81.2
	5000	70.3	81.1	85.9	89.1	91.1	91.4	91.9	88.1	83.9	80.4
	6300	66.7	79.2	85.2	88.7	90.0	91.0	92.0	88.2	84.3	81.9
	8000	63.0	77.2	84.0	87.5	89.8	90.3	91.1	88.3	84.2	81.7
	10000	59.1	75.2	82.8	86.3	88.3	89.9	90.3	87.8	83.9	81.2
OVERALL CALCULATED	90.9	96.2	100.3	103.1	104.7	104.4	103.6	101.0	97.6	94.6	
PNDR	99.8	107.7	112.7	115.9	117.5	117.7	116.6	114.2	109.9	106.5	

ORIGINAL PAGE IS  
OF POOR QUALITY



Run 29/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 22 MR. 1964

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)													
	ANGLES FROM INLET IN DEGREES (AND RADIAN'S)													
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	100.	110.	110.
	50	66.2	70.5	74.6	75.6	74.6	77.4	77.8	77.5	76.3	74.2			
	63	66.2	69.6	71.6	73.1	74.6	74.4	72.9	71.0	68.4	67.2			
SIDELINE 500. Ft.	80	68.8	72.7	74.0	74.6	76.1	76.9	76.9	75.8	74.7	71.0			
(152.40 M)	100	66.9	72.6	75.5	75.9	76.4	77.5	78.0	76.9	75.5	73.8			
NFA 2656. RPM	125	61.8	67.0	71.9	74.1	74.9	74.6	73.3	72.5	70.8	68.6			
( 278. RAD/SEC)	160	57.8	63.3	67.1	68.4	68.9	68.6	68.6	67.3	65.3	62.4			
NFK 2569. RPM	200	57.5	63.4	67.6	69.9	70.2	70.2	68.6	67.8	66.1	63.7			
( 271. RAD/SEC)	250	54.9	60.8	67.5	70.1	70.7	70.9	69.2	67.9	65.4	62.7			
NFD 3244. RPM	315	54.3	59.3	66.9	69.8	70.4	72.0	68.9	66.7	63.4	60.2			
( 340. RAD/SEC)	400	50.4	57.9	67.3	71.0	71.7	70.7	69.0	66.7	63.5	59.7			
AIRFLOW RATIO	500	48.5	57.9	66.9	71.1	71.9	72.0	69.3	67.3	63.0	59.5			
M/F/MH 12:60	630	53.5	63.6	71.7	77.3	78.1	77.2	75.1	71.8	67.4	62.0			
	800	55.3	65.8	73.0	79.8	80.7	79.4	77.3	74.3	69.6	63.9			
VEHICLE UTMSIM 1000	1000	53.6	64.4	72.5	77.9	79.3	78.0	75.2	72.0	67.5	62.3			
CONFIG G03	1250	53.1	64.9	71.9	77.1	79.5	78.4	75.6	71.9	68.3	62.9			
LOC SCHENECTADY	1600	53.7	64.9	72.7	76.8	79.3	78.7	74.7	70.8	68.1	63.0			
DATE 7/1/75	2000	49.9	63.0	70.9	75.3	77.1	76.1	75.2	71.4	67.2	62.2			
RUN 29/8	2500	49.1	63.7	71.4	75.3	76.9	77.3	75.7	71.8	67.6	62.7			
TAPE	3150	47.4	62.5	69.6	73.6	75.9	75.9	75.0	71.3	66.4	61.5			
FAH TIP SPEED	4000	42.4	57.9	65.7	71.0	72.7	72.7	72.6	68.2	63.4	59.5			
823. FT/SEC	5000	39.2	56.4	65.1	69.7	71.9	72.3	72.8	68.9	64.4	60.6			
	6300	34.4	53.4	62.2	67.7	70.3	70.3	71.1	67.6	62.7	59.3			
	8000	25.3	47.7	58.6	64.0	67.2	68.4	68.4	65.5	60.2	56.7			
	10000	9.7	38.7	51.8	58.2	62.2	63.2	64.6	60.4	55.9	51.7			
OVERALL CALCULATED	74.1	79.7	84.5	88.0	89.4	89.2	87.8	85.6	83.0	80.1				
PSR	75.5	82.4	94.8	98.8	100.6	100.6	99.4	96.0	91.9	87.6				

	50	76.0	79.5	83.3	84.1	82.9	85.6	86.0	85.7	84.5	82.4			
	63	76.2	78.8	80.4	81.7	83.0	82.8	81.2	79.4	76.7	75.6			
SIDELINE 200. Ft.	80	79.2	82.2	83.0	83.3	84.7	85.4	85.3	84.3	83.1	79.5			
( 60.96 M)	100	77.5	82.3	84.7	84.9	85.1	86.1	86.5	85.5	84.1	82.4			
	125	72.8	76.9	81.3	83.2	83.8	83.3	82.0	81.2	79.5	77.4			
	160	69.1	73.5	76.7	77.6	78.0	77.7	77.4	76.1	74.2	71.3			
	200	69.1	73.8	77.3	79.2	79.4	79.2	77.6	76.8	75.1	72.7			
	250	66.9	71.4	77.4	79.6	80.0	80.1	78.3	77.0	74.5	71.9			
	315	66.6	70.3	77.0	79.5	79.9	81.3	78.2	75.9	72.7	69.5			
	400	63.1	69.1	77.7	80.9	81.3	80.2	78.4	76.1	72.9	69.2			
	500	61.5	69.4	77.5	81.3	81.7	81.6	78.8	76.8	72.5	69.2			
	630	67.0	75.5	82.7	87.6	88.1	87.1	84.8	81.6	77.2	71.8			
	800	69.3	78.0	84.2	90.2	90.9	89.4	87.2	84.2	79.5	74.0			
	1000	68.2	77.0	84.0	88.8	89.8	88.3	85.3	82.1	77.6	72.6			
	1250	68.2	77.9	83.7	88.3	90.3	88.9	85.9	82.2	78.7	73.4			
	1600	63.6	78.6	85.0	88.4	90.4	89.5	85.4	81.4	78.8	73.8			
	2000	66.7	77.2	83.7	87.2	88.5	87.2	86.2	82.3	78.2	73.4			
	2500	66.7	78.5	84.6	87.8	88.7	88.7	86.9	83.0	78.9	74.1			
	3150	66.2	78.2	83.5	86.5	88.1	87.8	86.7	83.0	78.1	73.4			
	4000	63.2	75.0	80.7	83.8	85.8	85.3	85.0	80.5	75.8	72.1			
	5000	61.2	74.2	80.7	84.0	85.4	85.4	85.5	81.6	77.2	73.6			
	6300	59.7	73.5	79.8	83.5	85.1	84.0	85.0	81.5	76.7	73.5			
	8000	55.8	71.3	78.7	82.1	84.0	84.5	84.1	81.1	76.0	72.9			
	10000	47.4	67.2	75.8	79.5	81.9	81.0	82.9	78.5	74.2	70.5			
OVERALL CALCULATED	85.1	90.3	95.7	99.3	100.2	99.6	98.2	95.5	92.5	89.4				
PSR	92.0	102.2	107.9	111.1	112.5	112.1	110.9	107.5	103.3	99.1				

## Run 29/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 22 HR. 10.9																
		MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.																		
( 5. M)																		
VEHICLE	UTMSIM	100	92.5	86.3	81.3	82.3	84.3	85.5	86.8	87.3	86.2	85.1						119.9
CONFIG	G03	125	94.0	91.5	91.5	91.5	91.5	92.3	92.5	91.8	91.3	91.3						125.5
LOC	SCHENECTADY	160	95.8	95.5	97.3	96.5	94.5	96.5	97.3	96.6	96.0	95.3						129.8
DATE	7/1/75	200	95.2	93.2	93.0	93.2	93.7	92.2	90.3	88.3	86.5	84.8						125.1
RUN	29/9	250	99.2	98.0	96.7	95.2	95.2	95.7	95.5	94.3	93.3	90.0						128.0
TAPE		315	97.0	97.2	97.0	96.2	95.7	95.5	95.8	94.8	93.3	92.3						124.0
EAR	30.0 HG	400	91.8	91.8	94.5	94.7	93.7	92.5	91.0	90.3	88.5	86.8						125.8
(01365. N/M2)		500	88.3	88.3	89.0	88.5	88.0	86.8	86.3	84.8	83.0	81.1						120.2
TAMB	85. DEG F	630	88.8	89.6	91.0	90.8	90.0	88.6	87.5	85.6	83.8	82.1						121.9
(303. DEG K)		800	86.3	88.5	91.3	91.8	90.7	89.3	87.8	86.1	84.3	81.8						122.2
T-CT	66. DEG F	1000	84.6	86.5	90.7	91.5	91.2	89.6	87.8	85.6	81.5	79.1						121.0
(292. DEG K)		1250	83.3	86.6	92.3	93.8	92.5	90.1	88.1	85.9	82.0	79.3						123.0
HACT	10.56 GM/M3	1600	82.3	86.8	92.5	94.0	93.0	90.9	89.1	86.4	82.5	79.6						123.5
(.61056 KG/M3)		2000	82.5	87.8	92.3	95.2	94.2	91.9	89.1	86.7	83.0	78.9						124.3
NFA	5864. RPM	2500	89.5	95.1	99.0	102.5	101.2	100.6	97.9	94.7	89.5	83.9						131.9
( 928. RAD/SEC)		3150	89.5	95.1	98.3	101.9	101.6	99.3	96.4	93.2	88.7	84.4						131.3
NFK	5650. RPM	4000	89.9	95.0	97.9	101.1	101.6	97.0	94.8	91.5	87.6	83.3						130.0
( 906. RAD/SEC)		5000	93.8	99.2	103.6	104.9	106.0	102.5	101.1	96.9	93.1	87.3						139.3
NFD	11517. RPM	6300	90.4	96.4	99.9	100.8	100.7	97.7	95.2	90.8	87.3	84.1						130.7
(1206. RAD/SEC)		8000	89.2	95.3	99.0	100.3	100.2	96.6	96.3	92.0	88.0	84.2						130.7
NO. OF BLADES	18	10000	89.4	96.8	100.1	100.7	101.0	99.4	97.1	92.5	87.5	84.0						131.8
FAN TIP SPEED	16000	12500	89.1	96.0	98.5	99.3	99.6	98.0	96.5	92.0	86.8	83.6						130.5
774. FT/SEC		16000	87.3	94.5	96.5	97.3	97.4	95.9	94.9	89.6	85.9	82.3						128.0
		20000	85.9	91.8	97.2	97.5	97.6	96.3	95.2	90.8	86.3	83.1						129.7
		25000	86.0	93.5	96.2	96.8	97.5	95.7	95.1	91.1	86.5	84.4						129.9
		31500	84.8	93.2	95.9	96.5	96.4	95.2	94.4	90.2	86.3	82.8						130.2
		40000	79.8	90.3	93.3	93.8	93.9	92.9	92.9	87.8	83.7	81.2						129.2
		50000	78.9	88.3	89.7	89.8	92.0	90.1	90.4	84.2	81.2	78.9						128.2
		63000	80.8	84.7	84.4	85.1	87.0	86.3	84.4	78.2	76.6	75.4						126.1
		80000	83.0	84.9	84.1	84.5	85.2	84.6	77.8	75.3	74.8	72.6						128.6
OVERALL MEASURED																		
OVERALL CALCULATED		106.0	108.5	111.2	112.4	112.5	110.6	109.1	106.0	103.3	101.0							143.8
PND8		116.4	120.4	123.9	125.3	125.7	123.1	121.4	118.1	114.6	110.5							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. & 70 PERCENT REL. HUM. DAT)														
		ANGLES FROM INLET IN DEGREES (AND RADIAN) 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.														
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.35)		(10.52)	(10.70)	(0.07)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(10.	(10.
	50	65.9	70.0	74.4	75.4	74.6	77.4	78.6	78.0	77.3	76.2					
	63	64.9	67.4	69.8	71.9	73.6	72.9	71.4	69.5	67.6	65.5					
SIDELINE 500. FT.	80	68.3	71.7	73.3	73.6	74.9	76.2	76.4	75.3	74.2	70.5					
(152.40 M)	100	65.6	70.6	73.2	74.4	75.1	75.7	76.5	75.7	74.0	72.5					
NFA 2497. RPM	125	59.8	64.7	70.4	72.6	72.9	72.6	71.5	71.0	69.1	66.8					
( 261. RAD/SEC)	160	55.8	60.8	64.6	66.1	66.9	66.6	66.6	65.3	63.3	60.9					
NFK 2436. RPM	200	55.7	61.9	66.3	68.1	68.7	68.2	67.6	65.8	63.9	61.7					
( 255. RAD/SEC)	250	52.7	60.3	66.2	68.8	69.2	68.7	67.7	66.1	64.2	61.2					
NFD 3244. RPM	315	50.5	57.8	65.4	68.3	69.4	68.7	67.5	65.4	61.2	58.2					
( 340. RAD/SEC)	400	48.4	57.4	66.5	70.2	70.4	69.0	67.5	65.5	61.5	58.2					
AIRFLOW RATIO	500	46.7	57.1	66.4	70.1	70.6	69.5	68.3	65.8	61.7	58.2					
WF/M 12.60	630	45.2	57.6	65.7	71.0	71.6	70.2	68.0	65.8	61.9	57.2					
	800	52.3	64.3	72.0	77.9	78.2	76.6	76.5	73.5	68.1	61.9					
VEHICLE UTMSIN	1000	51.4	63.6	70.7	76.9	78.3	77.1	74.7	71.7	67.0	62.1					
CUNFIG G03	1250	50.9	62.9	69.9	75.6	77.8	75.1	72.8	69.6	65.6	60.7					
LOC SCHENECTADY	1400	53.5	66.2	74.9	76.7	81.8	79.4	76.6	74.7	70.6	64.2					
DATE 7/1/75	2000	48.8	62.5	70.4	74.2	76.0	74.1	72.2	68.1	64.3	60.3					
RUN 29/9	2500	46.3	60.5	68.9	73.1	75.0	74.9	73.0	68.9	64.7	60.2					
TAPE	3150	44.4	60.7	68.9	72.8	75.1	74.8	73.2	68.8	63.6	59.3					
FAN TIP SPEED	4000	41.0	57.7	65.8	70.1	72.5	72.4	71.6	67.4	61.9	58.0					
774. FT/SEC	5000	37.7	55.3	63.2	67.6	69.9	69.9	69.7	64.7	60.7	56.3					
	6300	31.1	51.3	61.3	65.6	68.4	68.7	68.5	64.4	59.6	55.5					
	8000	23.2	45.7	56.3	61.8	65.5	65.6	65.0	62.4	57.4	54.3					
	10000	10.9	30.1	50.6	57.8	60.6	61.7	62.1	58.3	54.0	49.2					
OVERALL CALCULATED	73.1	78.3	83.4	86.9	86.4	87.7	86.9	86.4	84.7	82.3	79.9					
PNSH	74.0	85.9	93.8	97.5	100.0	98.9	97.8	94.3	90.3	85.6						

	50	75.7	79.0	83.0	83.8	82.9	85.6	86.8	86.2	85.5	84.4					
	63	75.0	76.6	78.6	80.5	82.0	81.3	79.7	77.9	76.0	73.8					
SIDELINE 200. FT.	80	78.7	81.2	82.3	82.3	83.4	84.7	84.9	83.8	82.6	79.0					
( 60.96 M)	100	76.3	80.3	82.4	83.3	83.9	84.4	85.0	84.2	82.6	81.2					
	125	70.8	74.6	79.8	81.7	81.8	81.3	80.2	79.7	77.8	75.6					
	160	67.1	71.0	74.2	75.3	76.0	75.5	75.4	74.1	72.2	69.8					
	200	67.3	72.3	76.1	77.5	77.9	77.2	76.6	74.8	72.9	70.7					
	250	64.6	70.9	76.2	78.4	78.5	77.9	76.8	75.2	73.3	70.4					
	315	62.0	68.8	75.5	78.0	78.9	78.0	76.7	74.6	70.4	67.5					
	400	61.1	68.6	76.9	80.2	80.1	78.5	76.9	74.9	70.9	67.7					
	500	59.8	68.7	77.0	80.3	80.5	79.1	77.9	75.3	71.3	67.9					
	630	59.7	69.5	76.6	81.4	81.6	80.0	77.8	75.5	71.7	67.1					
	800	66.3	76.5	83.2	88.5	88.5	88.7	86.4	83.4	78.1	72.0					
	1000	66.0	76.3	82.3	87.8	88.8	87.3	84.8	81.8	77.2	72.3					
	1250	66.0	76.0	81.8	86.8	88.6	85.8	83.2	80.0	76.0	71.2					
	1600	69.4	79.8	87.2	90.3	92.8	90.2	89.2	85.3	81.3	75.0					
	2000	65.5	76.7	83.2	86.1	87.4	85.3	83.2	79.0	75.3	71.6					
	2500	63.6	75.3	82.1	85.4	86.8	85.3	84.3	80.1	76.0	71.6					
	3150	63.3	76.4	82.9	85.7	87.3	86.7	84.9	80.5	75.3	71.2					
	4000	61.9	74.8	80.8	83.4	85.6	85.0	84.0	79.7	74.3	70.5					
	5000	59.7	73.2	78.8	81.9	83.4	83.0	82.5	77.4	73.5	69.3					
	6300	56.4	71.4	78.7	81.4	83.2	83.0	82.5	78.2	73.6	69.7					
	8000	53.7	69.3	76.4	79.9	82.4	81.7	81.8	78.0	73.2	70.4					
OVERALL CALCULATED	10000	48.6	66.7	74.5	78.3	80.3	80.4	80.4	76.4	72.2	68.0					
PNSH	44.0	69.5	94.7	97.9	99.2	98.2	97.1	94.3	91.6	88.9						
	90.0	100.6	106.9	109.9	111.5	110.5	109.1	105.4	101.4	97.2						

ORIGINAL PAGE IS  
 OF POOR QUALITY

Run 30/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (90. DEC. P. 70 PERCENT REL. HUM. EAV)										PROC. DATE = MONTH 7 DAY 22 HR. 11.0						
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PBL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
RADIAL	17. FT.	50	63	80														
VEHICLE	(5. H)	100	95.8	89.3	82.5	84.5	85.5	86.8	87.8	88.8	87.3	85.8						121.6
COEFFIC	UTHSIM	125	95.0	91.5	91.0	90.8	90.8	91.0	91.8	89.8	89.8	89.1						124.5
LOC	GO5	160	96.8	97.0	97.5	97.3	95.8	95.0	95.3	94.6	93.5	92.6						129.2
DATE	SCHENECTADY	200	97.0	95.3	94.5	94.7	94.2	93.0	91.5	89.3	87.6	86.3						126.3
RUN	7/1/75	250	100.2	93.5	97.5	96.5	97.0	96.7	96.0	94.8	93.5	90.8						120.8
TAPE	30/1	315	98.7	99.7	99.2	98.2	97.5	97.0	97.5	96.3	95.0	94.1						130.9
BAR	30.0 HG	400	94.5	94.0	95.7	96.5	95.5	94.3	92.8	91.6	90.8	88.8						127.4
TAMP	(01305. H/M2)	500	90.3	91.3	92.3	91.8	90.5	89.5	88.8	87.3	85.5	83.6						123.0
TACT	88. DEG F	630	90.5	91.5	93.0	92.8	92.0	90.6	89.3	87.8	86.3	84.6						124.4
HACT	(304. DEG K)	800	89.5	90.5	93.0	93.5	93.0	92.1	90.3	88.8	86.5	83.8						123.6
NFA	65. DEG F	1000	87.5	88.5	93.0	93.5	92.7	91.0	89.8	87.6	84.3	81.8						124.5
NFK	(291. DEG K)	1250	86.5	87.2	92.8	94.8	94.0	92.1	90.1	88.4	84.3	81.6						124.3
NFA	8.91 GM/H3	1600	84.5	87.8	92.3	94.8	94.0	91.9	89.9	87.9	84.0	80.9						123.6
NFA	(.00291 KG/H3)	2000	84.5	87.8	92.3	94.8	94.0	91.9	89.9	87.9	84.0	80.9						124.2
NFA	9819. RPM	2500	89.0	91.8	93.8	97.2	95.7	93.6	90.4	88.7	85.0	80.9						135.2
NFA	(1028. RAD/SEC)	3150	92.5	95.8	98.0	100.7	100.4	97.6	94.2	91.8	88.0	84.1						131.1
NFA	9556. RPM	4000	93.2	96.3	98.0	100.9	101.6	99.1	96.1	92.5	89.4	84.3						131.4
NFA	(1000. RAD/SEC)	5000	92.4	95.7	98.7	100.8	102.0	99.0	96.8	93.2	89.4	84.8						132.2
NFA	11517. RPM	6300	94.2	97.5	100.2	103.1	102.0	99.9	96.0	91.6	88.3	85.6						130.6
NFA	(1206. RAD/SEC)	8000	92.3	95.9	98.8	99.3	100.3	98.6	96.1	92.8	88.6	85.0						131.8
NFA	18.12500	10000	92.8	97.2	99.9	100.6	101.3	99.7	96.9	93.4	88.8	85.8						130.8
NFA	16000	12500	91.3	95.8	98.0	98.6	99.4	98.1	97.1	92.6	88.1	85.3						131.1
NFA	857. FT/SEC	20000	89.7	95.2	97.8	98.8	98.4	97.9	97.3	93.4	88.6	86.2						131.5
NFA		25000	89.7	94.9	97.9	98.1	98.2	97.6	97.0	93.3	88.9	86.6						132.1
NFA		31500	88.1	94.6	97.5	98.1	98.0	97.3	96.3	93.1	89.4	86.4						132.4
NFA		40000	83.6	92.8	95.6	96.2	97.7	96.0	96.0	91.9	88.5	85.5						132.4
NFA		50000	80.7	91.3	93.3	93.6	96.1	94.4	95.2	89.0	86.3	83.4						130.3
NFA		63000	81.1	87.2	88.7	88.8	91.5	90.3	89.5	83.0	82.2	78.5						131.1
NFA		80000	85.5	86.8	86.0	86.4	87.9	87.6	82.5	78.7	78.0	76.2						144.4
OVERALL MEASURED																		
OVERALL CALCULATED		107.9	109.4	111.1	112.3	112.4	110.7	109.2	106.3	103.6	101.4							
PND8		117.8	120.0	121.9	124.0	124.1	122.0	119.5	116.7	113.8	110.2							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. $\phi$ 70 PERCENT REL. NUM. DATA)																	
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	50	66.9	71.5	74.6	76.6	75.8	75.9	76.6	76.0	74.8	73.4						
	63	66.7	69.1	71.3	73.4	74.1	73.7	72.6	70.5	68.1	67.0						
SIDELINE 500. FT. (152.40 M)	80	69.3	72.2	74.0	74.9	76.6	77.2	76.9	75.8	74.4	71.2						
NFA 2766. RPM	100	67.4	73.1	75.5	76.4	76.9	77.2	76.2	77.2	75.7	74.3						
( 290. RAD/SEC)	125	62.6	67.0	71.7	74.4	74.7	74.3	73.3	72.2	71.3	68.8						
NFK 2692. RPM	160	57.8	63.8	67.9	69.4	69.4	69.3	69.1	67.8	65.8	63.4						
( 282. RAD/SEC)	200	57.5	63.7	68.3	70.1	70.7	70.2	69.4	68.1	66.4	64.2						
NFD 3244. RPM	250	55.9	62.3	66.0	70.6	71.5	71.4	70.2	68.9	66.4	63.2						
( 340. RAD/SEC)	315	53.3	59.8	67.6	70.3	70.9	71.0	69.5	67.4	63.9	61.0						
AIRFLOW RATIO	400	51.6	58.6	67.0	71.2	71.9	71.0	69.5	68.0	63.7	60.5						
NF/NM 12.60	500	49.0	58.1	66.1	70.9	71.6	70.5	69.0	67.3	63.2	59.5						
	630	52.7	61.6	67.2	73.0	73.1	72.0	69.3	67.9	63.9	59.3						
	800	55.4	64.8	71.0	76.1	77.4	75.7	72.8	70.6	66.6	62.2						
VEHICLE UTHS IN	1000	55.2	64.9	70.5	75.9	76.3	76.8	74.5	71.0	67.8	62.1						
CONFIG G05	1250	53.4	63.6	70.6	75.4	76.3	76.4	74.8	71.4	67.4	62.2						
LOC SCHEMECTADY	1600	54.0	64.5	71.5	77.1	77.9	76.4	73.5	69.4	65.9	62.6						
DATE 7/1/75	2000	50.7	62.1	69.4	72.8	75.7	75.2	73.3	70.2	65.8	61.5						
RPM 30/L	2500	50.0	62.5	70.0	73.6	76.3	75.9	73.8	70.4	65.5	62.0						
TAPE	3150	48.5	61.2	68.5	72.2	75.3	74.5	73.4	69.7	65.0	61.4						
FAL TIP SPEED	4000	43.6	57.9	65.7	69.7	72.7	72.9	72.6	68.4	63.6	60.0						
857. FT/SEC	5000	40.5	56.5	64.9	69.5	71.4	72.4	72.6	68.9	63.9	60.6						
	6300	35.5	53.0	62.6	66.9	69.7	70.7	71.0	67.5	62.9	59.6						
	8000	26.3	47.7	58.6	64.0	66.9	68.1	68.2	65.3	61.2	57.2						
	10000	11.1	39.1	51.7	58.1	63.3	63.8	65.1	61.3	57.6	53.3						
OVERALL CALCULATED		74.6	79.6	83.8	87.0	88.4	87.8	86.9	84.8	82.5	80.0						
PNR		76.0	86.8	93.8	97.7	99.8	99.6	98.2	95.1	91.0	87.4						

	50	76.7	80.5	83.3	85.1	84.1	84.1	84.8	84.2	83.0	81.7						
	63	76.7	78.3	80.1	82.0	82.5	82.0	80.9	78.9	76.5	75.3						
SIDELINE 200. FT. ( 60.96 M)	80	79.7	81.7	83.0	83.6	85.2	85.7	85.4	84.3	82.9	79.7						
	100	78.0	82.8	84.7	85.3	85.6	85.9	86.8	85.7	84.3	82.9						
	125	73.6	76.9	81.0	83.4	83.5	83.1	82.0	80.9	80.0	77.6						
	160	69.1	74.0	77.4	78.6	78.5	78.2	77.9	76.6	74.7	72.3						
	200	69.1	74.1	78.1	79.5	79.9	79.2	78.4	77.0	75.4	73.2						
	250	67.9	72.9	77.9	80.1	80.8	80.6	79.3	78.0	75.5	72.4						
	315	65.5	70.8	77.8	80.0	80.4	80.3	78.7	76.7	73.2	70.3						
	400	64.3	69.8	77.4	81.2	81.6	80.5	78.9	77.4	73.1	70.0						
	500	62.0	69.7	76.8	81.0	81.5	80.1	78.6	76.8	72.8	69.2						
	630	66.2	73.5	78.2	83.4	83.1	81.6	79.1	77.6	73.7	69.1						
	800	69.4	77.0	82.2	86.7	87.7	85.7	82.7	80.5	76.6	72.2						
	1000	69.7	77.5	82.0	86.8	86.8	87.1	84.6	81.1	77.9	72.4						
	1250	68.5	75.7	82.5	86.5	89.1	86.9	85.2	81.7	77.7	72.7						
	1600	69.9	78.1	83.8	88.7	88.9	87.3	84.2	80.0	76.5	73.4						
	2000	67.5	76.3	82.2	84.5	87.1	86.3	84.3	81.1	76.7	72.7						
	2500	67.5	77.3	83.2	85.9	88.0	87.3	85.0	81.6	76.7	73.4						
	3150	67.4	76.8	82.4	85.1	87.5	86.4	85.1	81.3	76.7	73.3						
	4000	64.4	74.7	80.7	83.5	85.5	85.5	85.0	80.7	76.0	72.6						
	5000	62.5	74.3	80.5	83.5	84.9	85.4	85.3	81.6	76.7	73.7						
	6300	60.9	73.1	80.0	82.7	84.5	85.0	84.9	81.4	76.8	73.9						
	8000	56.8	71.3	78.7	82.1	83.8	84.3	83.9	80.9	77.0	73.4						
	10000	48.8	67.7	75.7	79.4	83.0	82.6	83.3	79.4	75.8	72.1						
OVERALL CALCULATED		85.6	90.6	94.9	97.9	99.2	98.4	97.3	94.7	92.0	89.3						
PNR		92.8	101.5	107.0	111.0	111.8	111.0	109.8	105.5	102.5	99.1						



## Run 30/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.4																
		MODEL 80, RD PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PmL
		(0.35)	(0.52)	(0.73)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	50	63	80														
VEHICLE	( 5. MI)	100	94.3	90.3	83.3	83.5	85.3	87.0	88.3	88.8	88.0	86.5						121.0
COEFIC	UTHSIM	125	95.3	92.5	92.0	91.0	90.8	91.3	91.3	90.5	89.8	89.3						124.0
LOC	GC5	160	96.3	98.5	99.3	99.8	98.8	94.5	93.3	92.8	91.3	90.8						129.0
DATE	SCHENECTADY	200	97.7	96.5	96.2	96.0	95.7	94.0	92.0	90.2	88.2	87.0						127.5
DATE	7/1/75	250	101.0	99.7	99.0	97.2	97.5	97.0	96.7	95.2	94.0	91.2						130.6
RPM	33/2	315	99.5	100.7	100.2	99.0	98.7	97.5	98.5	97.0	95.2	94.7						131.0
TYPE		400	95.0	95.5	97.0	97.5	96.5	95.3	93.8	93.0	91.5	89.7						128.4
BAR	30.0 HG	500	91.3	92.3	93.3	92.3	91.5	90.5	89.8	88.5	86.5	84.5						124.0
	(01305. K/M2)	630	91.5	93.0	93.3	93.3	92.7	91.8	90.3	89.5	87.3	85.3						124.0
TAMB	88. DEG F	800	90.0	90.8	93.8	94.5	93.5	92.6	91.0	89.5	87.2	84.5						125.1
	(304. DEG K)	1000	87.5	89.0	93.0	94.2	93.5	92.3	90.3	88.3	85.0	82.7						124.5
T-ET	85. DEG F	1250	87.0	88.6	93.0	94.3	94.2	92.6	91.3	89.1	85.3	82.3						125.2
	(291. DEG K)	1600	85.3	88.3	92.0	95.5	94.5	92.4	90.4	88.6	85.0	81.8						124.0
HACT	8.91 GM/M3	2000	85.2	84.6	91.0	95.7	92.7	91.4	89.4	87.7	84.5	81.1						124.4
	(.00891 KG/M3)	2500	90.0	92.3	94.0	97.0	95.2	93.4	90.6	88.7	85.0	81.8						126.1
NFA	10169. RPM	3150	93.7	96.6	98.0	100.7	100.4	97.4	94.9	92.0	88.2	84.3						130.3
	(1065. RAD/SEC)	4000	94.7	97.5	99.2	101.1	102.1	99.6	96.9	93.9	89.9	85.0						131.7
NFK	9896. RPM	5000	94.9	97.0	98.9	101.5	102.0	100.0	97.8	94.7	90.6	86.0						132.0
	(1036. RAD/SEC)	6300	94.5	100.5	102.2	103.3	103.8	101.5	97.4	93.8	90.9	87.0						133.0
NFD	11517. RPM	8000	93.8	97.2	99.0	100.3	100.3	99.1	96.4	93.5	89.3	85.2						131.1
	(1206. RAD/SEC)	10000	94.5	98.7	100.9	101.6	101.6	100.7	98.7	94.8	90.1	86.5						132.0
NO. OF BLADES	18	12500	94.5	98.1	100.2	101.0	101.2	99.2	97.9	94.4	90.4	87.0						132.3
FAN TIP SPEED	16000	20000	92.8	97.3	99.0	99.3	100.4	98.6	97.9	93.3	89.2	86.7						131.7
	888. FT/SEC	25000	91.5	96.9	98.8	99.3	99.4	98.9	98.0	94.3	90.3	87.8						132.0
		31500	91.0	96.7	98.6	98.5	99.2	98.4	97.5	94.5	90.1	88.3						132.4
		40000	89.4	96.1	98.3	98.5	98.7	98.1	97.3	94.5	90.6	88.1						133.0
		50000	84.6	94.8	96.6	97.4	98.2	97.0	97.2	92.8	89.5	87.2						133.4
		63000	81.7	93.0	94.5	94.5	96.8	95.2	96.4	90.7	88.0	85.1						133.5
		80000	81.1	89.2	89.5	89.3	92.5	91.1	91.2	85.7	85.1	81.7						131.7
			85.5	87.3	86.8	86.0	87.9	87.5	87.0	84.2	86.5	83.9						132.0
OVERALL MEASURED																		
OVERALL CALCULATED		108.9	110.8	112.1	113.1	113.1	111.5	110.0	107.2	104.4	102.1							145.3
PND9		119.8	121.6	123.1	124.7	124.6	122.5	120.3	117.8	114.4	110.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F = 70 PERCENT VEL. NUM. DATA)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.27)	140. (2.44)	150. (2.62)	160. (2.79)	170. (2.97)
50	66.4	73.0	76.4	78.8	78.8	75.4	74.5	74.2	72.5	71.8						
63	67.4	70.6	73.1	74.8	75.6	74.7	73.1	71.5	69.4	67.7						
SIDELINE 500. FT. (152.40 M)	60	70.1	73.5	75.5	75.6	77.1	77.4	77.6	76.3	74.9	71.7					
NFA 2864. RPM (300. RAD/SEC)	100	68.1	74.1	76.5	77.1	78.1	78.0	79.2	77.9	75.9	75.0					
NFK 2727. RPM	125	63.1	68.5	72.9	75.4	75.7	75.3	74.3	73.7	72.0	69.8					
NFD 3244. RPM (340. RAD/SEC)	160	58.8	64.8	68.9	69.9	70.4	70.3	70.1	69.0	66.8	64.3					
AIRFLOW RATIO HF/PM 12.60	200	58.5	65.2	68.6	70.6	71.5	71.4	70.4	69.8	67.4	64.9					
VEHICLE UTASIM CONFIG 505	250	56.4	62.5	66.7	71.6	72.0	71.9	70.9	69.6	67.1	63.9					
LCC SCHEMATA	312	53.3	60.3	67.6	71.0	71.7	71.5	69.9	68.1	64.7	61.9					
DATE 7/1/75	400	52.1	59.4	67.3	72.5	72.2	71.5	70.7	68.7	64.7	61.2					
RUN 30/2	500	50.2	58.6	65.9	71.6	72.1	71.0	69.5	68.0	64.2	60.4					
TAPE	630	53.7	62.1	67.5	72.8	72.6	71.7	69.6	67.8	63.9	60.2					
FAN TIP SPEED 888. FT/SEC	800	56.6	65.8	71.0	76.1	77.4	75.4	73.5	70.8	66.8	62.4					
OVERALL CALCULATED PNDB	1000	58.7	66.1	71.7	76.1	78.8	77.3	75.2	72.5	69.2	62.9					
	1250	55.9	64.9	70.9	76.1	78.3	77.4	75.8	72.9	68.6	63.4					
	1600	58.2	67.5	73.5	77.9	79.6	78.4	75.0	71.6	68.4	64.0					
	2000	52.2	63.3	69.7	73.8	75.7	75.7	73.6	70.9	66.5	61.7					
	2500	51.7	64.0	71.0	74.6	76.5	76.9	75.5	71.9	66.9	62.7					
	3150	49.7	62.2	69.2	73.2	75.5	74.7	74.2	70.9	66.7	62.5					
	4000	45.1	59.4	66.7	70.4	73.7	73.4	73.3	69.1	65.3	61.4					
	5000	42.3	58.2	65.9	70.0	72.4	73.1	73.3	69.8	65.6	62.3					
	6300	36.8	54.8	63.4	67.5	70.7	71.4	71.5	68.7	64.1	61.3					
	8000	27.5	49.2	59.3	64.7	67.7	68.9	69.1	66.7	62.5	58.9					
	10000	12.1	41.1	52.7	59.3	63.8	64.9	66.3	62.3	58.5	55.0					
	OVERALL CALCULATED PNDB	75.3	80.9	84.9	87.9	89.2	88.5	87.5	85.5	82.8	80.3					
		78.3	85.2	94.7	98.5	100.4	100.2	99.1	96.1	92.3	88.4					

ORIGINAL PAGE IS  
OF POOR QUALITY

50	76.2	82.0	85.0	87.1	87.1	83.6	82.8	82.4	80.8	79.8
63	77.5	79.8	81.9	83.2	84.0	83.0	81.4	79.8	77.7	76.0
SIDELINE 200. FT. (60.96 M)	80	80.5	82.9	84.5	84.3	85.9	86.1	84.7	83.3	80.2
	100	78.8	83.8	85.7	86.0	86.9	86.6	87.8	86.4	84.5
	125	74.1	78.4	82.3	84.4	84.5	84.1	83.0	82.4	80.7
	160	70.1	75.0	78.4	79.1	79.5	79.2	78.9	77.8	75.6
	200	70.1	75.6	78.3	80.0	80.6	80.4	79.4	78.7	76.3
	250	68.4	73.2	78.7	81.1	81.3	81.1	80.0	78.7	76.2
	315	65.6	71.3	77.5	80.8	81.2	80.8	79.2	77.4	73.9
	400	64.3	70.6	77.7	82.4	81.8	81.0	80.2	78.1	74.1
	500	63.3	70.2	76.5	81.5	82.0	80.5	79.1	77.5	73.7
	630	67.2	74.0	78.4	83.1	82.6	81.6	79.3	77.5	73.5
	800	70.6	78.0	82.2	86.7	87.7	85.5	83.5	80.7	76.8
	1000	71.2	78.8	83.3	87.0	89.3	87.0	85.3	82.6	78.4
	1250	71.0	78.0	82.8	87.3	89.1	87.9	86.2	83.2	78.9
	1600	74.1	81.1	85.8	89.4	90.7	89.3	85.7	82.2	79.0
	2000	69.0	77.5	82.5	85.8	87.1	86.8	84.5	81.8	77.4
	2500	69.3	78.8	84.2	86.9	88.3	88.3	86.8	83.1	78.2
	3150	68.6	77.8	83.2	86.1	87.8	86.6	85.9	82.5	78.4
	4000	65.0	76.4	81.7	84.2	86.7	86.0	85.7	81.4	77.7
	5000	64.2	76.0	81.5	84.3	85.9	86.1	86.1	82.5	78.4
	6300	62.1	74.9	80.7	83.4	85.5	85.7	85.4	82.6	78.0
	8000	58.0	72.8	79.5	82.5	84.5	85.0	84.9	82.3	78.2
	10000	45.8	69.7	76.7	80.6	83.5	83.0	84.6	80.4	76.8
OVERALL CALCULATED PNDB	86.5	92.0	95.9	98.7	99.9	99.1	98.0	95.6	92.5	89.9
		94.3	102.8	107.4	111.9	112.3	111.8	110.6	107.6	103.8

## Run 30/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.9																
		MOREL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50																		
63																		
80																		
RADIAL 17. FT.																		
( 5. M)		100	94.8	92.8	84.0	83.5	86.3	87.5	88.0	89.3	89.0	87.3						122.5
VEHICLE UTMSIM		125	96.3	93.5	92.0	91.3	91.0	91.8	91.5	90.8	90.8	90.0						125.3
CONFIG GOS		150	97.0	98.3	98.8	98.8	99.0	94.3	94.5	94.0	93.3	92.0						129.0
LOC SCHENECTADY		200	99.0	99.2	99.7	99.0	99.2	95.7	94.0	93.0	91.2	90.0						130.3
DATE 7/1/75		250	102.0	101.2	100.2	98.7	99.0	98.5	98.0	96.5	95.0	92.7						131.9
RUN 30/3		315	100.2	101.7	101.5	100.5	99.5	98.8	99.0	97.7	96.5	95.0						132.7
TAPE		400	96.5	96.8	98.2	98.0	97.5	96.8	95.0	95.0	93.0	91.0						129.0
BAR 3000 HG		500	92.0	92.8	94.3	93.5	92.7	92.3	90.8	90.0	88.0	85.8						125.2
(01305. N/M2)		630	92.8	94.0	94.5	94.5	94.0	94.3	91.8	90.3	88.5	86.8						126.2
TAMB 90. DEG F		800	91.0	92.3	94.8	95.0	95.0	94.1	92.3	90.5	88.5	86.3						124.3
(305. DEG K)		1000	89.0	90.5	94.0	94.8	95.0	94.0	91.3	89.5	86.7	84.3						125.8
T-ET 65. DEG F		1250	88.3	89.3	93.8	95.0	95.2	93.3	91.8	89.8	86.8	84.0						125.7
(291. DEG K)		1600	86.5	89.3	92.3	95.0	95.0	92.9	90.9	89.4	86.0	83.3						125.2
HACT 8.35 GM/M3		2000	87.5	90.1	92.0	95.5	95.0	92.4	90.4	88.7	86.0	82.1						125.1
(00635 KG/M3)		2500	91.3	92.3	94.3	96.5	95.2	93.4	90.9	89.2	86.0	82.3						128.1
NFA 10622. RPM		3150	96.5	97.6	98.8	101.2	101.4	98.0	95.7	92.2	90.0	85.1						131.2
(1112. RAD/SEC)		4000	96.9	98.6	100.5	101.4	102.9	100.3	98.1	94.5	90.9	86.5						132.6
NFK 10318. RPM		5000	97.1	98.8	100.7	102.1	103.3	101.3	98.8	95.4	92.3	87.5						133.2
(1060. RAD/SEC)		6300	101.5	103.0	104.2	105.4	106.6	103.5	99.7	96.3	92.8	88.8						136.1
NFD 11517. RPM		8000	96.1	97.9	100.6	101.1	101.4	100.4	97.2	94.3	90.8	86.7						132.2
(1200. RAD/SEC)		10000	95.8	99.8	101.7	101.0	102.9	101.8	99.5	96.1	91.9	88.3						133.7
NO. OF BLADES 18		12500	96.1	99.2	101.5	101.5	102.1	100.7	99.2	95.7	91.7	88.5						133.4
FAN TIP SPEED		16000	94.9	98.6	99.6	100.7	101.2	99.5	99.5	94.7	91.2	88.3						132.9
927. FT/SEC		20000	92.6	98.1	100.2	100.2	100.8	99.0	99.4	95.7	92.3	89.5						133.3
		25000	92.9	96.9	100.6	100.3	100.5	99.1	99.5	96.2	92.6	90.2						133.8
		31500	91.9	97.6	100.5	100.4	100.8	100.0	99.3	96.0	93.4	90.6						135.1
		40000	87.2	96.2	99.0	98.8	99.6	98.9	99.6	95.2	92.3	90.1						135.3
		50000	83.7	94.8	97.0	96.5	98.8	97.1	98.2	93.1	91.7	87.6						135.6
		63000	82.8	90.6	92.1	92.0	94.9	93.2	93.8	87.9	87.5	83.6						134.0
		80000	85.7	87.8	88.0	87.9	88.9	87.8	88.0	85.2	86.7	84.2						133.6
OVERALL MEASURED																		
OVERALL CALCULATED		110.4	112.1	113.5	113.9	114.5	112.8	111.4	108.6	106.1	103.5							140.7
PND8		122.6	123.3	124.6	125.6	126.3	124.0	121.4	118.7	115.9	112.3							

Run 30/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 11.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG.  $\rho$  = 70 PERCENT REL. HUM. DAV)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500 FT. (152.40 M)	50	67.2	72.7	75.9	77.6	79.1	75.1	75.8	75.4	74.5	72.9						
	63	68.7	73.4	76.6	77.6	79.1	76.4	75.1	74.2	72.4	70.7						
NFA 2992 RPM (313. RAD/SEC)	80	71.1	75.0	76.8	77.1	78.6	78.9	77.9	77.5	75.9	73.2						
NFK 2906 RPM (304. RAD/SEC)	100	68.9	75.1	77.7	78.6	78.9	79.0	79.7	78.6	77.2	75.2						
NFD 3244 RPM (340. RAD/SEC)	125	64.6	69.7	74.2	75.9	76.7	76.8	75.5	75.7	73.5	71.0						
AIRFLOW RATIO MF/NM 12:60	160	59.5	65.3	69.9	71.1	71.7	72.1	71.1	70.5	68.3	65.6						
	200	59.7	66.2	69.8	71.9	72.7	73.9	71.9	70.6	68.6	65.4						
	250	57.4	64.0	69.7	72.1	73.5	73.4	72.2	70.6	68.4	65.6						
	315	54.8	61.8	68.6	71.5	73.2	73.7	70.9	69.4	66.4	63.4						
	400	53.4	60.1	68.0	71.5	73.2	72.2	71.2	69.4	66.2	62.9						
	500	51.0	59.6	66.1	71.1	72.6	71.5	70.0	68.7	65.2	61.9						
	600	51.2	59.9	65.5	71.3	72.3	70.7	69.3	67.8	64.9	60.4						
	800	54.1	61.5	67.3	71.9	72.2	71.4	69.5	68.0	64.6	60.4						
VEHICLE CONFIG LOC DATE RUN TAPE	1000	58.5	66.2	71.3	76.2	78.1	76.3	74.0	70.7	66.3	62.8						
	1250	57.9	66.4	72.4	75.7	79.1	77.7	76.1	72.6	68.9	63.9						
	1600	56.8	65.7	71.9	76.0	79.1	78.2	76.4	73.2	69.9	64.4						
	2000	59.8	69.0	74.7	78.8	81.8	79.9	76.8	73.6	69.9	65.2						
	2500	53.2	63.2	70.5	74.0	76.2	76.5	73.9	71.2	67.5	62.8						
	3150	50.8	63.6	70.6	73.9	77.0	77.2	75.6	72.4	68.0	63.7						
	4000	48.0	61.0	68.8	72.3	75.0	75.1	74.4	71.1	66.9	62.9						
	5000	45.3	59.5	66.3	70.9	73.8	73.5	74.3	69.8	66.0	62.3						
	6300	37.8	55.5	64.3	68.4	71.6	72.0	72.8	69.3	65.6	61.9						
	8000	30.1	49.1	60.7	65.2	68.5	69.0	70.4	67.5	63.6	60.2						
OVERALL CALCULATED	10000	18.0	42.5	55.2	60.9	65.0	67.1	67.0	64.9	61.1	57.1						
	PND8	76.3	82.0	85.9	86.3	90.2	89.4	88.3	86.5	84.1	81.4						
	PND8	80.5	89.8	95.9	99.6	102.2	101.3	100.0	97.2	93.5	89.5						

	50	77.0	81.7	84.5	86.1	87.4	83.3	84.0	83.6	82.8	81.1						
	63	78.7	82.6	85.4	86.2	87.5	84.8	83.4	82.6	80.7	79.0						
SIDELINE 200 FT. (60.96 M)	80	81.5	84.4	85.8	85.8	87.2	87.4	87.3	86.0	84.3	81.7						
	100	79.5	84.8	86.9	87.5	87.6	87.6	86.3	87.2	85.8	83.9						
	125	75.6	79.6	83.5	84.9	85.5	85.6	84.2	84.4	82.2	79.8						
	160	70.8	75.5	79.4	80.3	80.7	81.0	79.9	79.3	77.1	74.5						
	200	71.3	76.6	79.6	81.2	81.9	82.9	80.9	79.5	77.6	75.4						
	250	69.4	74.7	79.7	81.6	82.8	82.6	81.3	79.7	77.5	74.8						
	315	67.1	72.8	78.8	81.3	82.7	83.0	80.2	78.6	75.7	72.7						
	400	66.1	71.3	78.4	81.4	82.8	81.7	80.7	78.8	75.6	72.4						
	500	64.0	71.2	76.8	81.3	82.5	81.1	79.6	78.3	74.7	71.6						
	630	64.7	71.7	76.4	81.7	82.4	80.6	79.0	77.5	74.6	70.3						
	800	68.1	73.8	78.5	82.5	82.5	81.5	79.4	77.9	74.5	70.4						
	1000	73.0	78.8	82.8	87.1	88.6	86.6	84.1	80.8	78.4	73.1						
	1250	73.0	79.5	84.3	87.1	89.9	88.2	86.5	83.0	79.2	74.4						
	1600	72.7	79.4	84.2	87.6	90.1	89.0	87.0	83.8	80.5	75.2						
	2000	76.5	83.2	87.5	90.7	93.2	91.1	87.8	84.5	80.8	76.4						
	2500	70.7	77.9	83.7	86.3	87.9	87.9	85.1	82.4	78.8	74.2						
	3150	69.7	79.3	84.5	86.8	89.3	89.1	87.3	84.1	79.7	75.6						
	4000	68.9	78.0	83.8	86.1	88.1	87.8	86.7	83.4	79.3	75.6						
	5000	67.3	77.3	81.9	85.2	87.3	86.6	87.1	82.5	78.2	75.4						
	6300	63.2	75.6	81.7	84.2	86.5	86.2	86.7	83.2	79.5	76.2						
	8000	60.6	72.7	80.9	83.3	85.3	85.2	86.2	83.1	79.3	76.3						
OVERALL CALCULATED	10000	55.8	71.1	79.2	82.2	84.7	85.8	85.3	83.0	79.3	75.8						
	PND8	87.7	93.0	96.9	99.2	101.0	100.0	98.8	96.5	93.8	90.9						
	PND8	96.9	104.1	108.9	111.8	113.8	113.0	111.5	108.7	105.0	101.2						

Run 30/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.8																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F, 70 PERCENT, REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
	50																	
	63																	
	80																	
RADIAL 17. FT.																		
( 5. M)	100	99.5	96.3	87.3	84.5	86.8	88.3	89.3	89.5	88.8	87.3							124.5
VEHICLE UTMSIM	125	98.3	97.0	93.3	91.8	91.5	92.3	92.5	91.0	90.5	90.5							126.5
CONFIG 605	160	98.0	97.5	96.0	95.5	94.3	94.3	94.5	92.8	92.3	91.3							126.2
LOC SCHENECTARY	200	102.5	103.2	103.7	103.0	103.0	101.0	98.7	96.5	93.5	93.0							134.3
DATE 7/1/75	250	103.5	103.7	102.5	101.2	100.7	100.5	99.2	98.2	96.2	93.5							133.8
RUN 30/4	315	102.0	103.7	104.2	103.2	102.2	101.0	101.0	100.0	98.0	96.0							135.0
TAPE	400	98.8	99.8	101.5	101.0	100.0	99.5	97.5	96.8	95.0	93.7							132.3
BAR 30.0 HG	500	94.5	96.0	96.8	96.5	95.7	94.8	93.8	92.3	90.0	88.3							127.9
(01305. T/M2)	630	94.8	96.5	97.3	97.0	96.2	95.6	94.3	93.0	90.8	89.0							128.5
TAMB 92. DEG F	800	93.8	95.0	97.3	97.8	97.0	95.8	94.3	93.3	91.0	88.5							128.6
(306. DEG K)	1000	91.0	93.0	95.3	96.0	96.2	95.1	93.8	91.8	89.2	86.5							127.3
TMET 66. DEG F	1250	90.3	92.1	95.5	97.3	97.2	96.1	94.6	92.8	89.5	86.5							128.1
(292. DEG K)	1600	88.5	92.3	94.0	96.0	96.7	95.1	93.6	91.6	88.2	85.3							127.1
HACT 8.58 GM/H3	2000	89.5	93.1	94.0	97.2	97.2	94.9	92.6	91.2	88.0	84.8							127.3
(.00858 KG/M3)	2500	91.3	94.3	95.5	97.2	96.7	95.1	92.6	91.2	88.0	84.6							127.5
NFA 11635. RPM	3150	96.0	98.6	100.0	100.4	101.4	98.6	96.4	93.2	90.2	86.3							131.4
(1239. RAD/SEC)	4000	99.4	102.3	102.7	102.9	104.9	102.8	100.1	97.0	93.4	88.5							134.8
NFK 11476. RPM	5000	99.6	102.0	103.4	104.1	105.5	103.5	101.3	98.4	94.3	89.5							135.8
(1201. RAD/SEC)	6300	101.0	103.7	104.9	105.4	105.6	103.8	100.5	97.6	93.8	90.1							136.2
NFD 11517. RPM	8000	100.8	103.9	104.8	105.1	105.6	103.7	101.2	97.5	93.8	90.5							136.3
(1206. RAD/SEC)	10000	97.6	102.5	104.0	104.1	104.4	104.0	102.5	98.6	94.9	91.1							136.0
NO. CF BLADES 18	12500	98.1	101.9	103.7	103.8	104.1	103.5	101.9	98.5	94.7	92.0							135.8
FAN TIP SPEED	16000	96.9	101.4	102.6	102.9	103.0	103.0	102.5	98.4	94.4	91.1							135.6
1033. FT/SEC	20000	95.1	100.3	103.0	103.4	102.8	102.5	102.4	99.0	95.2	93.0							136.1
	25000	95.4	100.7	103.3	103.0	103.7	102.6	102.5	99.2	95.8	93.7							136.9
	31500	94.2	100.6	103.3	103.4	103.0	103.6	102.8	100.0	96.4	94.1							138.1
	40000	89.5	99.5	102.5	102.3	102.4	102.4	103.1	98.9	95.8	93.8							138.7
	50000	85.7	98.0	100.3	100.3	101.8	100.9	102.2	96.9	94.2	91.4							139.1
	63000	84.3	93.9	95.4	95.3	98.0	96.5	96.4	91.4	90.6	86.6							137.1
	80000	86.1	89.9	90.4	90.8	91.5	89.9	90.6	87.0	87.6	84.8							135.8
OVERALL MEASURED																		
OVERALL CALCULATED		112.4	114.8	116.0	116.0	116.3	115.3	114.1	111.2	108.2	105.7							140.2
PND8		123.1	125.5	126.2	126.6	127.4	125.7	123.6	121.1	117.8	114.2							

Run 30/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 22 NO. 11.3

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DATA)													
		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.)
	50	66.2	72.0	73.1	74.4	74.3	75.1	75.8	74.2	73.5	72.1				
	63	72.2	77.4	80.6	81.6	82.9	81.7	79.9	77.7	74.6	73.7				
SIDELINE 500. FT.	80	72.6	77.5	79.0	79.6	80.4	80.9	80.1	79.3	77.1	73.9				
(152.40 M)	100	70.6	77.1	80.5	81.4	81.6	81.2	81.7	80.9	78.7	76.2				
NFA 3334. RPM	125	66.8	72.7	77.4	78.9	79.2	79.6	78.0	77.4	75.5	73.8				
I 349. RAD/SEC	160	62.0	68.6	72.4	74.1	74.7	74.6	74.1	72.7	70.3	68.1				
NFK 3232. RPM	200	61.7	68.7	72.6	74.4	75.0	75.2	74.4	73.3	70.9	68.6				
I 338. RAD/SEC	250	63.2	68.8	72.2	74.8	75.5	75.2	74.2	73.3	70.9	67.9				
NFD 3244. RPM	315	56.8	64.3	69.9	72.8	74.4	74.2	73.4	71.6	68.9	65.6				
I 340. RAD/SEC	400	55.4	62.9	69.8	73.7	75.2	75.0	74.0	72.4	68.9	65.4				
AIRFLCH RATIO	500	53.0	62.6	67.9	72.1	74.4	73.7	72.8	71.0	67.4	63.9				
WF/PM 12-60	630	53.2	62.9	67.5	73.0	74.6	73.2	71.5	70.3	66.9	63.2				
	800	54.1	63.5	68.5	72.6	73.7	73.2	71.3	70.0	66.6	62.5				
VEHICLE UTHSIM	1000	58.0	67.2	72.5	75.4	78.1	76.3	74.7	71.7	68.5	64.0				
CONFIG GCS	1250	60.4	70.2	74.7	77.4	81.1	80.2	78.1	75.1	71.4	65.9				
LOC SCHENECTADY	1600	59.3	69.0	74.7	78.0	81.3	80.4	78.9	76.2	71.9	66.4				
DATE 7/1/75	2000	59.3	69.8	75.5	78.8	80.8	80.2	77.6	74.9	70.9	66.5				
RUN 30/4	2500	57.9	69.2	74.7	78.0	80.4	79.7	77.9	74.5	70.5	66.5				
TAPE	3150	52.6	66.3	72.9	76.2	78.5	79.4	78.6	74.9	71.0	66.4				
FAN TIP SPEED	4000	50.0	63.7	71.1	74.6	77.0	77.9	77.1	73.9	69.9	66.4				
1033. FT/SEC	5000	47.3	62.2	69.3	73.2	75.5	77.0	77.3	73.5	69.3	65.1				
	6300	40.3	57.8	67.1	71.6	73.6	75.0	75.8	72.8	68.6	65.4				
	8000	32.6	52.8	63.5	68.0	71.7	72.5	73.4	70.5	66.8	63.6				
	10000	20.3	45.5	58.0	63.9	67.2	70.1	70.5	68.1	64.1	60.6				
OVERALL CALCULATED		78.3	84.4	88.2	90.3	91.9	91.6	90.6	88.7	85.8	83.1				
PNEB		81.8	92.4	98.2	101.4	103.6	103.6	102.7	99.8	96.1	92.1				

ORIGINAL PAGE IS OF POOR QUALITY

	50	78.0	81.0	81.8	82.8	82.6	83.3	84.0	82.4	81.8	80.3				
	63	82.2	86.6	89.4	90.2	91.3	90.0	88.2	86.1	82.9	82.0				
SIDELINE 200. FT.	80	83.0	86.9	88.0	88.3	88.9	89.4	88.6	87.7	85.6	82.4				
(60.96 M)	100	81.3	86.8	89.7	90.3	90.4	89.9	90.3	89.4	87.3	84.9				
	125	77.8	82.6	86.8	87.9	88.0	88.3	86.7	86.1	84.2	82.5				
	160	73.3	78.7	81.9	83.3	83.7	83.5	82.9	81.6	79.1	77.0				
	200	73.3	79.1	82.3	83.7	84.1	84.2	83.4	82.3	79.8	77.7				
	250	72.1	77.4	82.2	84.4	84.8	84.4	83.3	82.4	80.0	77.1				
	315	69.1	75.3	80.0	82.5	83.9	83.5	82.7	80.9	78.2	75.0				
	400	68.1	74.1	80.2	83.7	84.8	84.5	83.4	81.8	78.3	74.9				
	500	66.0	74.2	78.6	82.3	84.2	83.4	82.4	80.5	77.0	73.6				
	630	66.7	74.7	78.4	83.4	84.6	83.1	81.3	80.0	76.6	73.0				
	800	68.1	75.8	79.7	83.2	84.0	83.2	81.2	79.9	76.5	72.7				
	1000	72.5	79.8	84.0	86.3	88.6	86.6	84.9	81.8	78.7	74.3				
	1250	75.5	83.2	86.5	88.6	91.9	90.7	88.5	85.5	81.7	76.4				
	1600	75.2	82.6	87.0	89.6	92.4	91.2	89.5	86.8	82.5	77.2				
	2000	78.0	84.0	88.3	90.7	92.2	91.3	88.5	85.8	81.8	77.6				
	2500	75.5	83.9	88.0	90.3	92.2	91.1	89.1	85.7	81.8	77.9				
	3150	71.4	82.0	86.8	89.1	90.8	91.3	90.3	86.8	82.7	78.3				
	4000	70.9	80.8	86.0	88.3	90.1	90.5	89.5	86.2	82.3	79.0				
	5000	69.3	80.0	84.9	87.5	89.1	90.1	90.1	86.2	82.1	78.1				
	6300	65.6	77.9	84.5	87.4	88.4	89.2	89.7	86.4	82.5	79.7				
	8000	63.1	76.5	83.6	86.1	88.6	88.7	89.2	86.1	82.6	79.8				
	10000	58.0	74.1	81.9	85.2	86.9	88.8	88.8	86.2	82.3	79.3				
OVERALL CALCULATED		89.6	95.6	99.2	101.1	102.7	102.3	101.3	98.9	95.8	92.9				
PNEB		98.6	106.7	111.3	113.7	115.3	115.3	114.2	111.3	107.6	104.1				

Run 30/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM PRCC. DATE - MONTH 7 DAY 22 HR. 11.3  
 MODEL SOUND PRESSURE LEVELS (59, DEG. F., 70 PERCENT REL. HUM., DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	20	30	40	50	60	70	80	90	100	110	120	130	140	150	PNL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(10)
RADIAL 17. FT.															
(5. M)	100	92.5	87.0	81.3	82.3	84.5	85.8	87.3	87.6	87.0	84.5				128.1
VEHICLE UTHSIM	125	94.3	90.3	90.5	90.3	90.0	91.0	91.0	90.3	89.0	89.8				124.1
CONFIG G05	150	95.8	95.8	96.5	96.5	93.8	96.3	96.0	95.6	94.0	92.3				128.9
LGC SCHEMECTADY	200	95.7	94.0	93.2	93.0	93.0	92.5	90.5	88.8	86.5	85.3				125.2
DATE 7/1/75	250	99.7	97.7	96.7	95.0	95.2	95.7	95.5	94.3	92.8	90.0				128.9
RUN 30/5	315	98.5	98.7	98.5	97.0	98.7	96.3	96.7	95.8	94.3	93.1				130.1
TAPE	400	94.5	93.0	95.5	95.2	94.5	93.5	91.8	91.3	89.8	87.8				126.8
BAR 30.0 HG	500	90.8	90.0	91.0	89.8	89.2	88.8	87.8	86.1	84.5	82.1				121.9
(0.1305 N/M <sup>2</sup> )	630	89.8	90.8	91.5	91.8	90.5	89.3	88.5	87.1	85.3	83.3				122.8
TAMB 88. DEG F	800	87.8	89.0	92.3	93.0	92.2	91.1	89.3	87.3	85.0	82.3				123.5
(304. DEG K)	1000	85.8	87.3	91.5	91.7	91.7	90.8	88.5	86.8	83.5	80.8				122.7
TMET 66. DEG F	1250	84.6	86.8	92.0	93.0	93.0	91.1	89.1	86.4	83.3	79.8				123.3
(292. DEG K)	1600	83.5	86.1	91.3	93.5	93.0	90.9	89.1	86.4	83.3	79.9				123.3
HACT 9.71 GM/M <sup>3</sup>	2000	83.3	86.8	90.3	93.5	92.2	89.9	87.6	85.7	82.8	78.6				122.8
(1.06971 KG/M <sup>3</sup> )	2500	85.3	91.6	94.3	97.2	96.2	94.9	91.1	89.0	85.0	81.1				126.6
NFA 9467. RPM	3150	92.0	94.1	96.5	99.4	99.4	97.6	93.9	91.5	87.0	82.6				129.3
(991. RAD/SEC)	4000	91.4	94.5	96.7	99.3	100.6	97.8	95.1	91.5	87.0	83.1				129.8
NFK 9213. RPM	5000	92.1	94.5	97.9	100.5	101.0	98.2	95.6	91.7	87.8	83.8				130.5
(925. RAD/SEC)	6300	93.2	95.9	97.6	100.6	100.3	96.5	93.2	89.3	86.5	83.6				128.9
NFD 11517. RPM	8000	98.6	94.9	97.0	98.8	99.0	96.1	94.8	91.3	87.0	83.2				129.8
(1206. RAD/SEC)	10000	91.2	96.1	98.9	99.0	99.8	98.4	95.4	91.3	87.1	84.0				130.4
NO. OF BLADES 18	12500	91.2	95.8	97.8	98.6	98.9	97.1	95.8	91.4	87.4	84.0				129.9
FAN TIP SPEED	16000	90.0	94.4	96.7	97.5	97.8	96.0	96.0	90.8	86.3	83.4				129.3
(826. FT/SEC)	20000	88.1	93.8	96.4	97.4	97.0	96.2	95.6	91.7	87.0	84.0				129.6
	25000	87.8	93.5	95.9	96.6	96.8	95.9	94.6	91.6	87.0	84.4				129.7
	31500	86.1	93.1	95.0	95.8	96.0	95.5	95.0	91.0	87.1	84.1				130.2
	40000	81.5	91.5	94.3	94.6	94.9	94.2	93.9	90.0	86.2	83.4				130.8
	50000	78.8	90.1	91.1	91.6	93.7	92.5	93.3	87.0	84.4	80.7				130.4
	63000	80.1	86.0	86.5	87.1	89.0	88.6	88.7	81.3	79.9	76.0				126.6
	80000	84.6	85.6	85.2	85.8	86.2	86.2	86.4	76.6	76.9	74.6				130.6
OVERALL MEASURED															
OVERALL CALCULATED	106.9	108.1	109.8	111.0	111.0	109.6	108.1	105.3	102.7	100.4					143.1
PNDP	116.8	118.6	120.8	122.7	123.0	121.0	118.6	115.8	112.6	109.1					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. LAVI)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50 65.2	70.2	73.6	75.4	73.8	77.1	77.3	77.0	75.3	73.2					
NFA (2667. RPM (279. RAD/SEC)	63 65.4	68.1	70.1	71.6	72.9	73.2	71.8	70.0	67.6	66.0					
NFK (2595. RPM (272. RAD/SEC)	80 68.8	71.5	73.3	73.4	74.9	76.2	76.4	75.3	73.7	70.5					
NFD (3244. RPM (340. RAD/SEC)	100 67.1	72.1	74.7	75.1	76.1	76.5	77.5	76.7	75.0	73.3					
AIRFLOW RATIO	125 62.6	66.0	71.4	73.1	73.7	73.6	72.3	72.0	70.3	67.8					
NFA	160 58.3	62.6	66.6	67.4	68.2	68.6	68.1	66.5	64.8	61.9					
NFK	200 56.7	62.9	66.8	69.1	69.2	68.9	68.6	67.3	65.4	62.9					
NFD	250 54.2	60.8	67.2	70.1	70.7	70.4	69.2	67.4	64.9	61.7					
AIRFLOW RATIO	315 51.5	58.6	66.1	68.5	69.9	70.0	68.2	66.7	63.2	60.0					
NFA	400 49.9	57.6	66.3	69.5	70.9	70.0	68.5	66.0	62.7	58.7					
NFK	500 48.0	56.4	65.1	69.6	70.6	69.5	68.3	65.8	62.5	58.5					
NFD	630 52.5	61.4	67.7	73.0	73.6	73.2	70.1	68.1	63.9	59.5					
AIRFLOW RATIO	800 54.8	63.3	69.5	74.8	76.4	75.7	72.5	70.3	65.6	60.7					
NFA	1000 53.4	63.1	69.2	74.4	77.3	75.5	73.4	70.0	66.3	60.8					
NFK	1250 53.1	62.4	69.9	75.1	77.3	75.6	73.6	69.9	65.8	61.2					
NFD	1600 52.9	63.0	69.0	74.6	76.1	73.4	70.8	67.1	64.1	60.5					
AIRFLOW RATIO	2000 49.2	61.0	67.6	73.3	74.4	74.6	72.0	68.7	64.2	59.8					
NFA	2500 48.4	61.5	68.9	72.1	74.7	74.6	72.2	68.4	63.9	60.2					
NFK	3150 46.4	59.8	66.9	70.9	73.2	72.7	72.1	67.9	63.7	59.5					
NFD	4000 42.2	58.5	64.3	68.6	71.1	70.7	71.5	66.5	61.7	58.1					
AIRFLOW RATIO	5000 38.9	55.1	63.5	68.1	70.0	70.7	70.9	67.2	62.2	58.5					
NFA	6300 33.6	51.6	60.7	65.4	68.2	69.0	68.5	65.8	60.9	57.4					
NFK	8000 24.2	46.2	56.1	61.7	64.9	66.4	66.9	63.3	59.0	54.9					
NFD	10000 9.0	37.7	50.4	56.5	60.5	62.0	63.0	59.5	55.2	51.3					
OVERALL CALCULATED	PNDR 73.9	78.6	82.8	85.8	87.2	87.0	86.0	84.2	81.8	79.1					
		74.9	85.6	92.6	96.3	98.4	98.2	96.9	93.6	89.7					

SIDELINE 200. FT. (60.96 M)	50 75.0	79.2	82.3	83.8	82.1	85.3	85.5	85.2	83.5	81.4					
NFA	63 75.5	77.3	78.9	80.2	81.3	81.5	79.9	78.4	76.0	74.3					
NFK	80 79.2	80.9	82.3	82.1	83.4	84.7	84.8	83.8	82.1	79.0					
NFD	100 77.9	81.8	83.9	84.0	84.9	85.1	86.0	85.2	83.6	81.9					
AIRFLOW RATIO	125 73.6	75.9	80.8	82.2	82.5	82.3	81.0	80.7	79.0	76.6					
NFA	160 69.6	72.7	76.2	76.6	77.2	77.5	76.9	75.4	73.7	70.8					
NFK	200 68.3	73.3	76.6	78.5	78.4	77.9	77.6	76.3	74.4	72.0					
NFD	250 66.1	71.4	77.2	79.6	80.0	79.6	78.3	76.5	74.0	70.9					
AIRFLOW RATIO	315 63.8	69.5	76.3	78.3	79.4	79.3	77.4	75.9	72.4	69.3					
NFA	400 62.6	68.8	76.7	79.4	80.6	79.5	77.9	75.4	72.1	68.2					
NFK	500 61.0	67.9	75.8	79.8	80.5	79.1	77.8	75.3	72.0	68.2					
NFD	630 66.0	73.3	78.7	83.4	83.6	83.1	79.8	77.8	73.7	69.3					
AIRFLOW RATIO	800 68.9	75.5	80.7	85.5	86.7	85.7	82.5	80.2	75.5	70.7					
NFA	1000 67.9	75.8	80.7	85.3	87.8	85.8	83.6	80.1	76.4	71.1					
NFK	1250 68.2	75.4	81.7	86.3	88.1	86.1	83.9	80.2	76.2	71.7					
NFD	1600 68.8	76.6	81.3	86.2	87.2	84.2	81.4	77.7	74.8	71.3					
AIRFLOW RATIO	2000 65.9	75.2	80.4	84.2	85.8	85.8	83.0	79.6	75.2	70.9					
NFA	2500 66.0	76.3	82.1	84.4	86.5	86.0	83.5	79.6	75.2	71.6					
NFK	3150 65.3	75.5	80.8	83.8	85.5	84.6	83.8	79.5	75.4	71.4					
NFD	4000 63.1	73.6	79.3	82.3	84.1	83.4	83.9	78.8	74.1	70.7					
AIRFLOW RATIO	5000 60.8	72.9	79.1	82.4	83.5	83.7	83.7	79.9	75.0	71.5					
NFA	6300 58.9	71.7	79.0	81.2	83.0	83.3	82.5	79.7	74.9	71.7					
NFK	8000 54.8	69.8	76.2	79.8	81.8	82.5	82.6	78.9	74.7	71.1					
NFD	10000 46.7	66.3	74.3	77.8	80.2	80.8	81.2	77.6	73.5	70.0					
OVERALL CALCULATED	PNDR 84.9	89.3	93.7	96.9	97.9	97.3	98.2	93.8	91.1	88.3					
		91.3	100.2	105.7	108.7	110.2	109.7	106.5	105.0	101.1					





Run 30/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 22 HR. 11.6

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ.		(0.35)	(0.52)	(0.79)	(1.07)	(1.45)	(1.92)	(2.54)	(3.49)	(4.71)	(6.35)	(8.54)	(11.46)	(15.42)	(20.71)	(27.81)	
SIDELINE 500. Fy.	80	66.8	70.5	71.8	72.6	73.9	74.9	75.1	74.3	72.7	69.2						
(152.40 M)	100	64.9	70.3	73.0	73.1	74.4	75.0	75.2	75.2	73.2	71.0						
NFA 2501. RPM	125	53.6	64.5	69.7	71.9	72.4	71.8	71.3	70.5	68.3	66.1						
(262. RAD/SEC)	160	54.8	60.6	64.4	65.9	66.4	66.3	66.3	65.3	62.8	60.4						
NFA 2436. RPM	200	53.7	61.2	65.6	67.4	68.0	67.7	67.1	65.1	63.1	60.9						
(255. RAD/SEC)	250	51.9	59.8	65.7	68.3	69.0	68.2	67.2	65.6	63.4	59.7						
NFA 3244. RPM	315	48.5	57.1	64.6	67.5	68.9	68.5	67.0	64.7	61.2	58.0						
(340. RAD/SEC)	400	47.4	56.1	65.3	69.5	69.9	69.0	67.3	65.0	60.7	58.0						
AIRFLOW RATIO	500	46.0	55.6	64.6	68.9	69.9	68.2	66.5	64.5	61.0	56.7						
WE/WM 12.60	630	45.0	55.6	63.2	68.5	68.8	67.0	65.0	63.6	59.9	55.2						
VEHICLE	800	51.1	61.3	69.0	74.6	73.9	75.9	73.3	70.3	65.4	58.7						
UTMSLM	1000	49.7	60.9	67.2	72.7	74.1	72.8	70.2	67.3	63.3	58.6						
CONFIG G05	1250	49.4	60.1	67.1	73.2	75.3	73.4	71.1	67.6	63.6	59.2						
LCC SCHEMECTADY	1600	52.3	63.5	70.4	76.2	76.5	75.1	73.6	70.2	65.4	61.2						
DATE 7/1/75	2000	47.3	59.0	68.7	71.7	73.0	70.6	68.0	64.9	61.6	57.7						
RUN 30/6	2500	45.3	58.1	66.9	70.9	73.1	72.6	70.5	66.9	62.7	58.0						
TAPE	3150	43.4	58.0	65.7	69.8	72.6	71.8	69.7	65.6	61.1	57.4						
FAI TIP SPEED	4000	39.8	55.1	63.4	67.9	70.8	69.4	68.9	64.7	59.7	55.8						
775. FT/SEC	5000	37.3	52.7	61.3	66.2	68.5	68.5	68.0	63.1	58.8	54.4						
	6300	29.9	48.6	58.5	63.8	66.5	66.3	66.9	62.3	57.2	53.6						
	8000	22.1	42.8	53.7	59.5	63.2	63.5	63.4	59.5	54.8	51.5						
	10000	9.1	35.1	47.8	54.2	58.3	59.4	59.9	56.0	51.2	47.2						
OVERALL CALCULATED		71.9	77.1	81.5	84.8	86.1	85.6	84.7	82.9	80.7	78.7						
PNDB		72.7	83.6	90.9	95.6	97.5	96.4	94.9	91.6	87.6	83.0						

	50	75.0	78.5	82.8	83.1	82.4	84.8	85.8	84.7	84.0	83.2					
SIDELINE 200. Fy.	63	73.5	75.6	77.9	79.5	80.3	80.0	78.4	76.9	75.0	73.3					
(60.96 M)	80	77.2	79.9	80.8	81.3	82.4	83.4	83.6	82.8	81.1	77.7					
	100	75.5	80.0	82.2	82.0	83.1	83.6	83.8	83.7	81.8	80.4					
	125	69.6	74.4	79.0	80.9	81.3	80.0	80.0	79.2	77.0	74.9					
	160	66.1	70.7	73.9	75.1	75.5	75.2	75.2	74.1	71.7	69.3					
	200	65.3	71.6	75.3	76.7	77.1	76.7	76.1	74.0	72.1	70.0					
	250	63.9	70.4	75.7	77.9	78.3	77.4	76.3	74.7	72.5	68.9					
	315	60.8	68.0	74.8	77.3	78.4	77.8	76.2	73.9	70.4	67.3					
	400	60.1	67.3	75.7	79.4	79.6	78.5	76.7	74.4	70.1	67.5					
	500	59.0	67.2	75.3	79.0	79.7	77.9	76.1	74.1	70.5	66.4					
	630	58.5	67.5	74.1	78.9	78.9	76.8	74.8	73.3	69.7	65.1					
	800	65.1	73.5	79.2	85.2	84.2	85.9	83.2	80.2	75.3	68.7					
	1000	64.2	73.5	78.8	83.6	84.6	83.1	80.3	77.4	73.4	68.9					
	1250	64.5	73.2	79.0	84.3	86.1	83.9	81.4	78.0	74.0	69.7					
	1600	68.2	77.1	82.7	87.8	89.6	85.9	84.3	80.8	76.0	72.0					
	2000	64.0	73.2	79.5	83.7	84.4	81.8	79.0	75.8	72.6	68.9					
	2500	62.9	72.8	80.1	83.2	84.8	84.1	81.8	78.1	74.0	69.4					
	3150	62.3	73.7	79.6	82.7	84.9	83.7	81.4	77.3	72.8	69.3					
	4000	60.7	72.1	78.4	81.8	83.9	82.1	81.3	77.0	72.1	68.4					
	5000	59.2	70.5	76.8	80.5	82.0	81.5	80.8	75.8	71.6	67.4					
	6300	55.3	69.8	75.8	79.6	81.3	80.6	80.9	76.1	71.2	67.9					
	8000	52.6	66.5	73.9	77.6	83.1	79.7	79.2	75.2	70.6	67.6					
OVERALL CALCULATED	10000	46.8	63.7	71.8	75.5	78.0	78.2	78.1	74.1	69.4	66.0					
PNDB		82.0	87.9	92.4	95.6	96.8	95.8	94.6	92.3	89.8	87.5					
		83.7	96.2	104.2	107.6	109.1	108.0	106.4	102.9	98.9	95.3					

## Run 30/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.7																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																		
	63																		
	80																		
RADIAL 17. FT.																			
( 5. H)	100	86.8	79.1	77.8	80.8	84.0	86.3	87.8	88.8	88.0	87.1								119.9
VEHICLE UTMSIM	125	89.8	86.9	86.6	86.5	89.0	91.5	92.5	92.6	93.0	93.6								125.8
CONFIG GOS	160	88.5	88.4	90.1	89.3	87.5	87.0	87.8	87.3	87.5	87.8								121.7
LDC SCHENECTADY	200	89.5	87.4	88.1	88.0	90.0	88.8	87.5	84.8	83.0	82.6								128.9
DATE 7/1/75	250	92.5	90.9	88.3	88.0	89.5	91.3	91.2	90.3	88.8	86.3								123.5
RUN 35/7	315	91.0	91.6	89.8	87.5	87.5	89.0	90.0	89.3	88.0	87.1								122.7
TAPE	400	84.0	85.6	87.6	86.5	85.3	84.3	83.3	83.6	82.0	80.6								118.1
BAR 30.0 HG	500	81.1	82.6	81.6	80.8	80.3	79.6	79.3	77.8	76.3	74.1								113.1
(01305. N/M2)	630	81.8	84.4	84.6	84.1	82.8	81.3	80.3	78.8	76.0	75.1								115.1
TANB 85. DEG F	800	79.8	85.9	87.6	87.3	85.7	83.8	81.8	82.1	77.3	74.1								117.5
(1303. DEG K)	1000	77.8	84.1	87.8	87.5	86.0	83.8	81.8	80.8	74.8	73.1								117.3
T-ET 66. DEG F	1250	79.1	83.4	87.6	88.0	86.7	84.9	82.8	80.6	76.0	72.8								117.0
(1292. DEG K)	1600	78.3	82.2	87.4	88.0	86.2	83.6	81.6	79.2	74.8	71.9								117.2
HACT10.56 GH/M3	2000	83.6	88.7	93.1	93.8	90.5	88.4	85.6	83.2	79.0	76.4								122.4
(.01056 KG/M3)	2500	85.5	90.0	93.1	93.7	91.2	89.1	85.9	83.5	79.0	75.4								122.7
NFA 7112. RPM	3150	84.5	88.2	90.6	92.7	90.4	88.0	83.4	81.0	77.0	74.4								121.1
( 745. RAD/SEC)	4000	88.7	94.1	96.5	98.4	99.6	95.1	92.1	88.5	83.4	80.1								128.4
NFK 6940. RPM	5000	86.4	90.8	93.7	96.3	94.8	90.3	87.1	83.4	79.8	77.0								124.7
( 727. RAD/SEC)	6300	85.5	89.0	91.4	94.1	92.5	88.5	84.9	81.3	78.8	76.1								122.7
NFD 11517. RPM	8000	85.3	89.7	92.3	93.5	93.3	90.4	85.8	81.7	78.5	76.2								123.3
(1206. RAD/SEC)	10000	84.4	90.0	92.1	92.8	92.0	89.7	85.8	81.8	78.0	82.7								122.9
NO. OF BLADES 18	12500	84.4	89.3	91.1	92.1	91.3	88.5	86.5	81.5	76.8	74.6								122.3
FAN TIP SPEED	16000	82.4	87.4	88.9	90.9	90.1	87.9	86.4	80.1	75.4	77.3								121.5
621. FT/SEC	20000	80.2	86.7	88.6	89.7	88.8	87.3	85.7	79.8	75.0	78.6								121.1
	25000	79.5	85.6	87.5	88.1	88.0	85.5	83.8	79.6	74.0	73.6								120.3
	31500	77.6	84.8	87.0	87.3	86.9	86.0	83.9	79.2	74.0	72.0								120.7
	40000	72.6	83.1	85.4	85.6	85.4	83.7	83.2	78.3	73.4	73.7								120.6
	50000	69.5	81.1	82.5	82.8	83.8	82.4	81.9	75.7	72.5	75.1								120.5
	63000	70.1	77.3	77.5	78.4	80.0	78.1	77.2	71.7	71.6	71.7								119.0
	80000	73.8	78.0	74.7	75.1	75.7	75.4	75.3	72.5	74.8	72.3								121.1
OVERALL MEASURED																			
OVERALL CALCULATED		100.3	102.6	104.5	105.6	105.1	102.8	101.2	99.4	97.9	97.4								138.8
PN3B		111.7	115.7	118.0	119.3	119.3	116.0	113.5	110.7	107.0	104.7								

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 22 HR. 11.7													
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)															
ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500 FT.	50	58.7	62.9	67.2	68.2	67.6	67.9	69.1	68.7	68.8	68.7				
(152.40 M)	63	59.2	61.5	64.9	66.7	69.9	69.4	68.4	66.0	64.1	63.2				
NFA 2003. KPH	80	61.6	64.6	64.8	66.4	69.1	71.7	72.1	71.3	69.7	66.7				
( 210. RAD/SEC)	100	59.6	65.0	66.1	65.7	66.9	69.3	70.7	70.2	68.7	67.3				
NFK 1955. RPM	125	52.1	58.6	63.5	64.4	64.4	64.3	63.8	64.2	62.6	60.6				
( 205. RAD/SEC)	160	48.6	55.2	57.2	58.4	59.2	59.4	59.6	58.3	56.6	53.9				
NFD 3244. KPH	200	48.8	56.6	59.9	61.4	61.5	60.9	60.4	59.1	56.1	54.7				
( 340. RAD/SEC)	250	46.2	57.6	62.6	64.4	64.2	63.2	61.7	62.1	57.2	53.4				
AIRFLOW RATIO	315	43.6	55.4	62.4	64.3	64.2	63.0	61.5	60.7	54.4	52.2				
NFA/M 12-60	400	44.2	54.2	61.8	64.5	64.7	63.8	62.3	60.2	55.5	51.7				
VEHICLE	500	42.8	52.5	61.2	64.2	63.9	62.3	60.8	58.5	54.0	50.5				
UTMSIN	630	47.2	58.5	66.6	69.6	67.8	66.7	64.5	62.3	57.9	54.7				
CONFIC	800	48.4	59.1	66.1	69.1	68.2	67.2	64.5	62.3	57.6	53.4				
LOC SCHEMECTARY	1000	46.5	56.8	63.1	67.7	67.1	64.6	61.7	59.5	55.3	52.1				
DATE 7/1/75	1250	49.7	62.0	68.5	72.9	75.8	72.4	70.1	66.6	61.4	57.4				
RUN 30/7	1600	46.1	57.8	65.0	70.3	70.5	67.2	64.6	61.2	57.4	53.9				
TAPE	2000	43.8	55.1	62.0	67.5	67.7	64.9	62.0	58.6	55.8	52.5				
FAN TIP SPEED	2500	42.3	54.9	62.2	66.4	68.1	66.4	62.5	58.7	55.2	52.2				
621 FT/SEC	3150	39.4	53.8	61.0	64.8	66.1	65.0	61.9	58.1	54.1	50.1				
OVERALL CALCULATED	4000	36.3	51.1	58.4	62.8	64.3	62.9	61.6	56.9	51.9	49.0				
PNDP	5000	32.7	48.2	55.5	61.1	62.7	62.0	61.2	55.2	50.2	51.3				
	6300	25.3	44.2	52.7	57.9	59.6	59.8	59.0	53.4	48.4	51.0				
	8000	16.7	37.8	47.6	53.1	56.1	55.4	54.8	50.9	44.9	43.5				
	10000	3.7	29.7	41.7	47.8	51.1	52.5	51.6	47.3	41.7	38.5				
	OVERALL CALCULATED	66.7	72.4	77.2	80.2	81.3	80.1	79.2	77.6	75.5	73.9				
	PNDP	67.8	73.6	86.5	90.4	91.6	90.2	87.9	84.6	80.6	80.8				

ORIGINAL PAGE IS OF POOR QUALITY



		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P= 70 PERCENT QGL. HUM. 44%)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
SIDELINE 500. FT. (152.40 M)		50	71.3	73.5	76.0	76.5	77.5	78.7	78.7	77.1	75.0	74.1					
		63	73.3	78.7	81.7	82.7	83.3	82.0	80.5	78.9	76.6	75.4					
		80	75.9	80.5	83.7	83.9	84.3	84.0	83.3	81.7	79.6	78.4					
NFA (3302. RPM)		100	74.2	81.4	84.9	86.0	86.1	86.0	84.8	83.2	81.2	80.0					
(346. RAD/SEC)		125	67.2	74.8	79.6	81.7	82.9	82.9	80.9	79.6	77.0	75.3					
NFK (3219. RPM)		160	63.6	70.6	74.7	76.4	77.4	76.9	75.7	74.4	71.8	69.6					
(337. RAD/SEC)		200	62.6	70.2	74.2	76.9	78.1	77.5	76.5	74.9	72.1	69.6					
NFD (3244. RPM)		250	60.5	67.5	72.6	76.2	76.9	76.5	75.3	74.0	71.9	69.4					
(340. RAD/SEC)		315	58.9	66.1	72.0	74.9	76.1	76.8	75.8	73.8	70.9	68.4					
AIRFLOW RATIO		400	56.2	65.1	72.6	77.3	79.1	78.8	76.9	75.1	71.9	69.2					
WF/M 12.60		500	55.8	65.2	70.5	75.7	78.3	78.5	77.2	75.4	71.9	68.7					
		630	56.3	66.4	71.1	76.6	79.5	79.5	77.9	76.1	72.4	67.9					
		800	57.7	67.3	72.9	78.2	80.1	80.7	79.1	76.6	73.3	68.9					
VEHICLE UTHS/M		1000	61.0	70.9	76.9	80.7	85.0	85.6	85.1	83.8	80.0	72.5					
CONFIG CO4		1250	62.0	73.4	78.0	82.2	86.2	87.4	85.9	84.5	80.6	73.6					
LCC SCHENECTADY		1600	61.6	72.5	77.8	81.5	84.7	84.7	83.2	79.7	76.0	71.6					
DATE 7/7/75		2000	60.6	72.2	78.3	82.0	84.4	85.1	84.1	80.6	77.8	73.1					
RUN 31/4		2500	60.8	72.8	78.7	82.9	84.6	85.3	84.3	81.4	78.4	73.6					
TAPE		3150	57.9	72.1	79.2	82.5	84.9	86.4	85.4	83.0	79.7	74.9					
FAN TIP SPEED		4000	54.2	69.9	77.3	81.2	83.8	85.0	85.1	81.6	78.5	74.3					
1023. FT/SEC		5000	51.8	67.1	75.0	78.9	81.3	82.9	83.8	79.5	76.6	73.4					
		6300	44.0	63.4	72.1	76.8	79.1	80.6	81.5	78.1	75.4	72.5					
		8000	35.7	57.4	67.1	72.6	75.9	77.1	78.1	75.1	72.6	70.2					
		10000	22.7	48.6	60.9	67.3	70.7	73.4	74.2	71.3	68.6	65.9					
OVERALL CALCULATED			80.8	87.4	91.7	94.2	96.1	96.7	95.8	93.5	90.5	87.1					
PNDR			84.7	96.2	102.7	106.2	108.5	109.5	108.7	106.2	103.0	98.8					

SIDELINE 200. FT. (60.96 M)		50	81.1	82.5	85.4	86.9	85.8	86.9	86.9	85.3	83.3	82.3					
		63	83.3	87.9	90.5	91.3	91.7	90.3	88.8	87.2	84.9	83.8					
		80	86.3	90.0	92.6	92.7	92.9	92.5	91.7	90.1	88.1	84.9					
		100	84.9	91.1	94.0	94.8	94.8	94.7	93.4	91.8	89.8	88.6					
		125	78.2	84.7	88.9	90.8	91.7	91.6	89.6	88.3	85.7	84.0					
		160	74.9	80.8	84.3	85.7	86.4	85.8	84.5	83.2	80.6	78.5					
		200	74.2	80.6	84.0	86.3	87.3	86.5	85.5	83.9	81.1	78.7					
		250	72.5	78.2	82.6	85.7	86.2	85.7	84.4	83.1	81.0	78.6					
		315	71.2	77.0	82.2	84.6	85.6	86.1	85.1	83.0	80.2	77.7					
		400	68.9	76.4	83.1	87.2	88.7	88.3	86.3	84.4	81.3	78.7					
		500	68.9	76.7	81.2	85.9	88.1	88.2	86.7	84.9	81.5	78.3					
		630	69.8	78.3	82.0	87.0	89.5	89.3	87.6	85.8	82.1	77.8					
		800	71.7	79.5	84.1	88.8	90.4	90.7	89.0	86.5	83.3	78.9					
		1000	75.6	83.5	88.4	91.6	95.5	95.9	95.2	93.9	90.1	82.4					
		1250	77.1	86.5	89.9	93.4	97.0	97.9	96.3	94.8	90.9	84.1					
		1600	77.5	86.1	90.1	93.1	95.7	95.5	93.8	90.3	86.7	82.4					
		2000	77.3	86.4	91.0	93.9	95.8	96.3	95.0	91.5	88.7	84.3					
		2500	78.4	87.5	91.9	95.2	96.4	96.8	95.6	92.6	89.6	85.0					
		3150	78.8	87.8	93.1	95.4	97.2	98.4	97.1	94.7	91.4	86.5					
		4000	75.1	86.9	92.3	95.0	96.9	97.8	97.4	93.9	90.9	86.9					
		5000	73.7	84.9	90.6	93.2	94.8	96.0	96.6	92.2	89.4	86.5					
		6300	69.4	83.5	89.5	92.6	94.0	94.9	95.4	91.9	89.4	86.8					
		8000	66.2	81.0	87.3	90.7	92.8	93.2	93.8	90.8	88.3	86.3					
		10000	60.4	77.2	84.9	88.6	90.4	92.2	92.4	89.4	86.9	84.6					
OVERALL CALCULATED			92.2	98.9	103.1	105.5	107.2	107.7	106.9	104.3	101.3	97.8					

## Run 31/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 17 YEAR 1960																
		MODEL SOUND PRESSURE LEVELS (99. DEC. F. 70 PERCENT REL. HUM. 84%)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)	
RADIAL	17. FT.																	
	( 5. M)																	
VEHICLE	UTMSIM	100	100.0	93.8	87.8	86.8	88.0	86.5	88.3	88.3	87.3	89.5						124.1
CONFIG	CO4	125	101.0	96.5	96.3	96.3	95.5	96.0	95.3	93.0	91.0	90.8						129.8
LOC	SCHENECTADY	160	101.3	101.5	102.0	101.8	101.8	99.0	98.3	97.3	95.8	94.5						133.2
DATE	7/7/75	200	101.2	101.2	100.2	100.2	100.7	98.7	96.7	95.2	93.5	92.2						132.1
RUN	31/5	250	105.0	105.2	104.2	103.0	102.5	102.0	101.2	99.5	97.7	95.2						135.5
TAPE		315	104.0	106.0	106.0	105.2	103.7	103.0	102.2	101.0	98.7	98.2						136.7
BAR	29.6 HG	400	98.3	99.8	101.5	102.2	101.0	99.5	98.0	96.5	95.0	93.2						132.7
	(00122. N/M2)	500	94.3	95.5	96.5	96.5	95.2	94.5	93.0	91.0	89.0	87.3						127.5
TAMB	86. DEG F	630	93.8	96.5	97.0	98.0	96.7	95.6	94.0	92.0	89.8	88.0						128.5
	(303. DEG K)	800	92.3	94.3	97.0	97.5	97.0	95.8	94.3	92.8	90.2	88.5						128.4
T-MET	71. DEG F	1000	92.0	93.5	97.2	98.5	97.7	97.1	95.0	92.8	89.7	87.5						128.0
	(195. DEG K)	1250	91.3	93.3	98.0	101.3	101.0	99.3	97.3	94.8	91.3	88.5						131.2
HACT	14.58 GM/H3	1500	90.0	93.6	96.5	99.5	99.7	98.9	97.4	95.4	91.2	88.3						130.4
	(0.1458 KG/H3)	2000	92.0	95.3	97.3	101.2	101.7	100.6	98.1	96.2	92.5	88.3						131.9
NFA	10556. RPM	2500	94.8	98.1	100.5	103.2	103.7	103.1	99.9	98.4	94.0	89.6						134.1
	(1105. RAD/SEC)	3150	101.2	103.6	105.3	109.2	109.1	109.6	107.9	104.7	100.4	95.8						140.3
NFK	10292. RPM	4000	99.9	103.8	105.7	107.8	108.8	108.3	105.8	102.4	98.3	93.2						139.2
	(1078. RAD/SEC)	5000	101.1	104.2	105.9	107.7	107.7	106.7	104.5	101.6	97.5	92.9						138.5
NFD	11517. RPM	6300	103.6	106.6	108.8	110.8	110.2	109.2	106.9	103.7	100.4	96.2						141.2
	(1206. RAD/SEC)	8000	101.7	105.8	107.8	108.7	108.7	108.8	106.7	104.1	99.1	95.8						140.2
NO. OF BLADES	18	10000	102.0	107.0	109.4	109.9	110.4	110.3	109.0	105.8	100.8	97.5						142.0
FAN TIP SPEED	922. FT/SEC	12500	101.7	106.5	109.1	109.8	109.4	109.3	108.8	105.0	101.1	97.4						141.6
		16000	99.6	105.0	106.8	107.8	107.6	107.4	107.3	103.3	99.1	96.9						140.2
		20000	98.0	104.9	106.6	107.6	107.4	107.7	106.8	103.3	99.4	97.6						140.5
		25000	97.9	103.2	105.8	106.5	107.0	106.1	105.5	103.0	98.9	97.7						140.2
		31500	95.5	102.4	104.8	105.9	105.3	105.4	105.1	101.8	97.9	96.9						140.2
		40000	89.2	99.7	102.0	102.8	103.1	102.8	103.1	99.2	95.6	94.3						139.0
		50000	83.0	96.1	97.5	98.6	100.4	99.2	100.0	94.2	91.5	89.4						137.2
		63000	79.0	88.8	90.8	90.8	93.4	92.4	92.6	86.4	85.0	81.8						132.7
		80000	81.5	82.5	83.8	84.2	85.4	84.6	84.5	80.4	82.5	80.4						128.8
OVERALL MEASURED																		
OVERALL CALCULATED		114.1	117.1	118.8	120.0	119.9	119.9	118.2	115.2	111.4	108.8							192.1
PND8		125.0	127.6	129.4	131.3	131.3	131.1	129.2	126.5	122.7	118.9							

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. 141)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
SIDELINE 500 FT. (152.40 M)	50	71.4	76.0	79.1	80.6	81.8	79.9	79.5	78.7	77.0	75.4						NFA (2973 RPM)	63	70.9	75.4	77.1	78.9	80.6	79.4	77.9	76.5	74.6	72.9						(311 RAD/SEC)	80	74.1	79.0	80.8	81.4	82.1	82.4	82.1	80.5	78.6	75.7						NFK (2899 RPM)	100	72.6	79.3	82.2	83.4	83.1	83.2	83.0	81.9	79.4	78.5						(304 RAD/SEC)	125	66.3	72.7	77.4	80.1	80.2	79.8	78.5	77.2	75.5	73.3						NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7						
NFA (2973 RPM)	63	70.9	75.4	77.1	78.9	80.6	79.4	77.9	76.5	74.6	72.9						(311 RAD/SEC)	80	74.1	79.0	80.8	81.4	82.1	82.4	82.1	80.5	78.6	75.7						NFK (2899 RPM)	100	72.6	79.3	82.2	83.4	83.1	83.2	83.0	81.9	79.4	78.5						(304 RAD/SEC)	125	66.3	72.7	77.4	80.1	80.2	79.8	78.5	77.2	75.5	73.3						NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																							
(311 RAD/SEC)	80	74.1	79.0	80.8	81.4	82.1	82.4	82.1	80.5	78.6	75.7						NFK (2899 RPM)	100	72.6	79.3	82.2	83.4	83.1	83.2	83.0	81.9	79.4	78.5						(304 RAD/SEC)	125	66.3	72.7	77.4	80.1	80.2	79.8	78.5	77.2	75.5	73.3						NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																								
NFK (2899 RPM)	100	72.6	79.3	82.2	83.4	83.1	83.2	83.0	81.9	79.4	78.5						(304 RAD/SEC)	125	66.3	72.7	77.4	80.1	80.2	79.8	78.5	77.2	75.5	73.3						NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																									
(304 RAD/SEC)	125	66.3	72.7	77.4	80.1	80.2	79.8	78.5	77.2	75.5	73.3						NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																										
NFD (3244 RPM)	160	61.8	68.1	72.1	74.1	74.2	74.3	73.3	71.5	69.3	67.1						(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																											
(340 RAD/SEC)	200	60.7	68.7	72.3	75.4	75.5	75.2	74.1	72.3	69.9	67.6						AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																												
AIRFLOW RATIO	250	58.7	66.0	72.0	74.8	75.5	75.2	74.2	72.8	70.1	67.9						WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																													
WF/WH 12-60	315	57.8	64.8	71.9	75.3	75.9	76.2	74.7	72.6	69.4	66.6						VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																														
VEHICLE UTMS IN	400	56.4	64.1	72.3	77.7	78.9	78.2	76.7	74.4	70.7	67.4						CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																															
CONFIG CO2	500	54.5	63.9	70.4	75.8	77.4	77.5	76.5	74.7	70.4	66.9						LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																
LCC SCHENECTADY	630	55.7	65.1	70.7	77.0	79.1	79.3	77.0	75.3	71.4	66.7						DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																	
DATE 7/7/75	800	57.6	67.3	73.5	78.6	80.7	81.1	78.5	77.2	72.6	67.6						RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																		
RUN 31/5	1000	63.2	72.1	77.7	84.2	85.8	87.3	86.2	83.2	78.7	73.5						TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																			
TAPE	1250	60.9	71.6	77.6	82.4	85.1	85.6	83.6	80.6	76.3	70.6						FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																				
FAN TIP SPEED	1600	60.8	71.2	77.1	81.7	83.5	83.6	82.1	79.3	75.0	69.8						921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																					
921 FT/SEC	2000	62.0	72.7	79.4	84.2	85.4	85.6	83.9	81.0	77.5	72.6						OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																						
OVERALL CALCULATED	2500	58.7	71.0	77.6	81.6	83.5	84.8	83.4	81.0	75.9	71.8						PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																							
PND8	3150	57.0	70.8	78.3	81.9	84.5	85.6	85.1	81.9	76.9	72.9							4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																								
	4000	53.6	68.3	76.4	80.4	82.4	83.7	83.9	80.4	76.2	71.8							5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																									
	5000	49.9	65.8	73.4	78.1	80.2	81.4	82.2	78.4	73.9	70.9							6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																										
	6300	43.2	62.4	70.7	75.7	78.2	80.1	80.1	76.9	72.7	70.0							8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																											
	8000	35.1	55.3	66.0	71.5	75.0	76.0	76.4	74.2	69.8	67.7							10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																												
	10000	21.6	47.3	59.5	66.5	69.5	71.9	72.8	70.0	65.6	63.4							OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																													
	OVERALL CALCULATED	79.4	85.9	90.3	93.7	95.3	95.8	94.9	92.4	88.8	85.7							PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																							SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																														
	PND8	83.7	94.9	101.7	105.8	107.8	108.7	107.9	105.1	100.8	96.9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
SIDELINE 200 FT. (60.96 M)	50	81.2	85.0	87.8	89.1	90.1	88.1	87.8	86.9	85.3	83.6							63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	63	81.0	84.6	85.9	87.5	89.0	87.8	86.2	84.8	82.9	81.3							80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	80	84.5	88.4	89.8	90.1	90.7	90.9	90.6	89.0	87.1	84.2							100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	100	83.3	89.0	91.4	92.3	91.9	91.9	91.5	90.4	88.0	87.1							125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	125	77.3	82.6	86.8	89.2	89.0	88.3	87.2	85.9	84.2	82.0							160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	160	73.1	78.2	81.7	83.3	83.2	83.2	82.2	80.3	78.1	76.0							200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	200	72.3	79.1	82.1	84.7	84.6	84.2	83.1	81.2	78.8	76.7							250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	250	70.6	76.7	81.9	84.4	84.8	84.4	83.3	81.9	79.2	77.1							315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	315	70.1	75.8	82.0	85.0	85.4	85.5	83.9	81.8	78.7	76.0							400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	400	69.1	75.3	82.7	87.7	88.6	87.7	86.2	83.8	80.1	76.9							500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	500	67.5	75.4	81.0	85.8	87.2	87.1	86.1	84.3	80.0	76.6							630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	630	69.2	77.0	81.6	87.4	89.1	88.8	86.8	85.0	81.1	76.5							800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	800	71.6	79.5	84.7	89.2	91.0	91.2	88.4	87.1	82.5	77.7							1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	1000	77.7	84.8	89.3	95.0	96.3	97.6	96.3	93.3	88.9	83.8							1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	1250	76.0	84.7	89.5	93.6	95.8	96.1	93.9	90.9	86.7	81.1							1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	1600	76.6	84.8	89.4	93.3	94.6	94.4	92.7	90.0	85.7	80.6							2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	2000	78.7	86.9	92.2	96.1	96.9	96.7	94.9	91.9	88.5	83.8							2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	2500	76.3	85.8	90.8	93.9	95.2	96.2	94.7	92.2	87.1	83.3							3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	3150	75.9	86.5	92.3	94.6	96.7	97.6	96.8	93.6	88.6	84.8							4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	4000	74.5	85.4	91.4	94.2	95.4	96.3	95.3	92.8	88.6	84.4							5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	5000	71.9	83.6	89.0	92.3	93.7	94.4	95.0	91.1	86.7	84.0							6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	6300	68.5	82.5	88.1	91.5	93.1	94.3	94.1	90.8	86.6	84.3							8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	8000	65.6	79.0	86.1	89.6	91.9	92.2	92.2	89.9	85.6	83.8							10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	10000	59.3	75.9	83.5	87.8	89.2	90.6	91.1	88.0	83.9	82.1						OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
OVERALL CALCULATED	91.0	97.6	102.0	105.1	106.4	106.9	105.9	103.2	99.3	96.1							PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
PND8	100.4	109.9	115.2	118.3	119.8	120.4	119.5	116.6	112.3	108.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

ORIGINAL PAGE IS  
OF POOR QUALITY



## Run 31/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 16.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.78)	(1.05)	(1.22)	(1.48)	(1.57)	(1.75)	(1.92)	(0.	(0.	(10.	(10.	(10.	(10.	(10.	(10.)
50																		
63																		
80																		
RADIAL 17. FT.																		
(3. H)		100	98.3	92.5	85.8	86.5	88.0	88.5	88.8	89.0	88.0	86.8					123.4	
VEHICLE UTMSH		125	98.5	96.8	96.0	95.0	95.5	96.0	95.3	93.5	92.0	91.8					126.7	
CONFIG G04		160	103.8	107.5	107.3	108.0	105.8	100.5	98.5	96.8	96.8	97.3					137.3	
LOC SCHENECTADY		200	100.2	101.0	100.0	99.7	98.7	98.2	96.5	93.7	92.2	91.2					131.3	
DATE 7/7/75		250	104.2	104.0	103.2	102.0	102.0	101.5	101.2	99.7	97.7	95.5					134.9	
RUN 31/6		315	103.0	105.0	104.7	103.7	102.5	102.0	101.2	100.5	98.5	97.5					135.7	
TAPE		400	97.0	98.0	100.5	101.5	99.7	98.8	96.8	95.5	93.7	92.5					131.7	
BAR 29.6 HG		500	93.5	94.5	95.5	95.0	93.7	93.3	91.5	90.3	88.0	86.0					126.2	
(100) 22. N/M2		630	93.3	95.3	96.5	96.0	96.0	95.1	92.8	91.3	88.8	87.3					127.6	
TAMB 83. DEG F		800	92.0	94.0	97.0	97.3	96.5	95.6	93.0	91.3	89.5	87.5					127.9	
(301. DEG K)		1000	91.3	93.0	97.0	98.0	97.2	96.6	94.0	92.0	89.2	87.0					126.4	
THET 71. DEG F		1250	90.0	92.8	98.3	100.5	100.2	95.8	96.1	93.8	90.5	88.0					130.5	
(295. DEG K)		1600	89.0	92.8	96.3	98.5	99.2	98.4	96.1	94.1	90.0	87.1					129.6	
HACT 15.45 GM/M3		2000	91.0	94.8	97.0	101.0	100.5	99.4	97.1	95.2	91.2	87.3					131.0	
(1.0) 345 KG/M3		2500	95.0	98.3	100.8	104.2	103.9	102.9	99.9	97.7	93.7	89.8					134.3	
NFA 9980. RPM		3150	98.7	102.8	104.8	108.2	108.1	107.1	105.1	103.2	98.4	94.8					136.7	
(1045. RAD/SEC)		4000	99.6	103.0	104.9	107.6	107.8	106.8	104.8	101.6	97.6	93.0					136.3	
NFK 9757. RPM		5000	100.1	103.9	105.1	107.2	107.5	105.7	104.0	101.1	97.0	92.9					137.9	
(1022. RAD/SEC)		6300	102.6	106.1	107.8	110.0	110.2	108.6	106.8	103.2	98.9	95.7					140.7	
NFD 11517. RPM		8000	100.1	104.7	107.1	107.9	107.7	107.0	105.5	103.3	98.6	94.8					139.2	
(1206. RAD/SEC)		10000	101.3	106.9	108.4	109.3	109.1	108.7	106.9	104.8	99.8	96.5					140.8	
NO. OF BLADES 18		12500	101.2	105.7	108.0	108.8	108.8	108.0	107.0	104.3	99.5	96.3					140.5	
FAN TIP SPEED		16000	99.5	104.4	105.7	107.2	108.5	105.6	105.8	101.8	98.0	95.9					139.0	
871. FT/SEC		20000	98.4	103.9	105.2	106.7	105.6	105.6	105.7	101.5	97.8	96.0					139.0	
		25000	98.3	102.8	104.7	105.6	105.3	104.7	104.1	101.3	97.6	96.4					138.9	
		31500	96.0	101.2	103.7	104.2	103.6	103.7	102.9	100.4	96.2	94.7					138.5	
		40000	91.1	98.4	100.5	101.5	101.6	100.8	100.5	96.4	93.5	91.6					137.1	
		50000	87.6	94.7	96.2	96.7	98.0	96.6	97.3	92.1	89.6	87.3					135.0	
		63000	89.2	86.8	88.8	89.0	91.1	89.7	89.5	83.8	83.0	79.5					130.5	
		80000	85.7	81.8	82.3	82.5	83.7	83.3	83.0	79.4	81.8	79.7					128.8	
OVERALL MEASURED																		
OVERALL CALCULATED		113.5	116.8	118.2	119.5	119.1	118.2	116.9	114.2	110.4	108.1					131.1		
PNDB		124.0	127.1	128.8	130.7	130.6	129.5	127.5	125.4	121.4	118.3							

Run 31/Reading 6

PAGE 8 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE MONTH DAY 7 HR. 16.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. 24V)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
SIDELINE 500. FT.	50	73.9	82.0	84.4	86.9	85.8	81.4	79.8	78.2	78.0	78.1						
(152.40 M)	80	73.3	77.7	79.8	80.4	81.6	81.9	82.1	80.8	78.6	75.9						
NFA ( 2611. RPM)	100	71.6	78.3	81.0	81.9	81.9	82.2	82.0	81.4	79.2	77.7						
( 294. RAD/SEC)	125	65.1	71.0	76.4	79.4	78.9	78.8	77.3	76.2	74.3	72.5						
NFK ( 2748. RPM)	160	61.0	67.1	71.1	72.6	72.7	73.1	71.8	70.7	68.3	65.8						
( 288. RAD/SEC)	200	60.2	67.4	71.8	74.1	74.7	74.7	72.9	71.5	68.9	66.9						
NFD ( 3244. RPM)	250	58.4	65.8	72.0	74.3	75.0	74.9	72.9	71.3	69.4	66.9						
( 340. RAD/SEC)	315	57.0	64.3	71.6	74.8	75.4	75.7	73.7	71.9	68.9	66.1						
AIRFLOW RATIO	400	55.1	63.6	72.5	77.0	78.2	77.7	75.5	73.4	69.9	66.9						
NF/WH 12.60	500	53.5	63.1	70.1	74.8	76.9	77.0	75.3	73.5	69.2	65.7						
VEHICLE CONFIG LOC DATE RUN TAPE	630	58.7	68.1	74.2	80.0	81.3	81.2	78.8	76.8	72.6	68.2						
UTSIM GO4 SCHENECTADY 7/7/75 31/6	800	61.6	72.0	77.7	83.6	85.2	85.1	83.8	82.0	77.1	72.9						
FAN TIP SPEED 871. FT/SEC	1000	61.6	71.8	77.4	82.6	84.5	84.5	83.2	80.2	75.9	70.7						
OVERALL CALCULATED	1250	61.1	71.8	77.1	81.8	83.8	83.1	82.0	79.3	75.0	70.3						
PND8	1600	62.4	73.1	79.1	84.0	86.0	85.6	84.4	81.0	76.5	72.7						
	2000	58.6	70.9	77.8	81.4	83.0	83.5	82.6	80.7	75.8	71.3						
	2500	58.5	72.3	78.3	82.4	84.0	84.9	83.8	81.9	76.7	72.7						
	3150	56.4	69.8	77.1	81.1	82.9	83.6	83.3	80.8	75.8	71.9						
	4000	51.8	66.6	73.4	78.3	79.9	80.3	81.3	77.5	73.5	70.6						
	5000	49.2	65.1	72.3	77.4	78.6	80.0	81.0	77.0	73.0	70.5						
	6300	44.1	60.8	69.4	74.5	76.7	77.6	78.1	75.6	70.9	69.4						
	8000	34.2	54.3	64.7	70.1	72.6	74.5	74.8	72.6	68.1	65.5						
	10000	18.8	44.6	56.5	63.4	67.1	68.6	69.8	65.9	62.6	59.8						
	OVERALL CALCULATED	79.4	86.7	90.7	94.2	95.2	95.1	94.2	92.0	88.4	85.7						
	PND8	83.0	95.0	101.3	105.4	106.9	107.4	106.8	104.3	99.9	96.4						

	50	83.7	91.0	93.0	95.3	94.1	89.6	88.0	86.4	86.3	86.3						
SIDELINE 200. FT.	63	80.0	84.3	85.6	87.0	87.0	87.3	85.9	83.3	81.7	80.3						
( 60.96 M)	80	83.7	87.2	88.8	89.1	90.2	90.4	90.6	89.2	87.1	84.4						
	100	82.3	88.0	90.2	90.8	90.6	90.9	90.5	89.9	87.8	85.4						
	125	78.1	80.9	85.6	88.4	87.8	87.6	86.0	84.9	83.0	81.3						
	160	72.3	77.2	80.7	81.8	81.7	82.0	80.7	79.6	77.1	74.7						
	200	71.8	77.8	81.6	83.5	83.9	83.7	81.9	80.5	77.8	75.9						
	250	70.4	76.4	81.9	83.9	84.3	84.1	82.0	80.4	78.5	76.1						
	315	69.3	75.3	81.8	84.5	84.9	85.0	82.9	81.1	78.2	75.5						
	400	67.8	74.8	82.9	86.9	87.8	87.2	84.9	82.8	79.3	76.4						
	500	66.5	74.7	80.8	84.8	86.7	86.6	84.8	83.0	78.7	75.3						
	630	72.2	80.0	85.1	90.4	91.3	91.1	88.5	86.5	82.4	78.0						
	800	75.6	84.3	89.0	94.2	95.4	95.2	93.7	91.9	87.0	82.9						
	1000	78.2	84.2	89.0	93.5	95.0	94.8	93.3	90.3	86.1	81.0						
	1250	76.2	84.9	89.0	93.0	94.5	93.8	92.4	89.6	85.4	80.8						
	1600	78.3	86.8	91.4	95.6	97.1	96.4	95.1	91.6	87.2	83.5						
	2000	75.3	85.1	90.6	93.3	94.4	94.6	93.6	91.7	86.8	82.4						
	2500	76.0	87.1	91.7	94.7	95.8	96.3	95.0	93.1	87.9	84.1						
	3150	75.2	85.5	91.0	94.0	95.2	95.5	95.0	92.4	87.5	83.8						
	4000	72.8	83.6	88.3	92.1	92.9	92.9	93.7	89.8	85.9	83.2						
	5000	71.2	82.9	87.9	91.7	92.1	93.1	93.8	89.7	85.8	83.5						
	6300	69.5	81.0	86.8	90.3	91.6	92.0	92.0	89.4	84.9	83.7						
	8000	64.7	78.0	84.9	88.2	89.4	90.7	90.8	88.2	83.9	81.7						
	10000	56.3	73.2	80.5	84.7	86.9	87.4	87.9	84.0	80.9	78.4						
OVERALL CALCULATED	90.8	98.0	101.9	105.1	106.0	105.9	105.0	102.5	98.7	95.9							

Run 31/Reading 7

PAGE 1	FULL SCALE DATA REDUCTION PROGRAM	PROC. DATE = MONTH 7 DAY 17 YR. 1969																	
		MODEL SOUND PRESSURE LEVELS (59. DEC. F., 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PNL
		(0.35)	(0.52)	(0.78)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(100.)	
	50																		
	63																		
	80																		
RADIAL	17. FT.	100	98.8	91.8	87.0	86.0	87.5	90.5	89.0	89.3	88.5	87.3							123.3
VEHICLE	5. M)	125	97.8	95.3	94.8	94.8	94.5	96.8	94.8	93.5	92.8	92.3							128.3
CONFIG	UTHSIM	150	100.8	103.5	104.5	105.0	102.0	103.3	103.0	101.3	100.5	99.3							136.2
LOC	SCHENECTADY	200	99.2	98.2	98.0	98.0	98.2	98.0	95.5	93.7	91.5	90.5							130.1
DATE	7/7/75	250	103.7	102.5	101.2	100.2	100.2	101.5	100.7	99.2	97.5	95.2							133.9
RUN	31/7	315	102.0	103.0	102.2	101.0	99.7	99.5	99.2	99.2	97.0	96.5							133.6
TAPE		400	98.5	96.5	98.2	99.0	98.0	97.0	94.3	94.0	92.0	91.0							129.7
BAR	29.6 HG	500	92.8	93.0	93.0	92.5	92.0	91.3	89.5	88.5	86.2	85.0							124.3
	(00.22. N/M2)	630	93.5	94.3	95.0	95.3	94.7	92.8	90.8	89.5	87.5	85.8							126.1
TAMB	82. DEG F	800	91.5	93.3	96.0	98.8	95.5	94.6	91.8	90.0	88.0	86.3							127.0
	(301. DEG K)	1000	90.0	92.3	96.0	97.5	96.7	95.6	93.5	91.3	87.7	85.7							127.7
TNET	70. DEG F	1250	89.3	92.0	97.5	99.2	98.5	96.8	95.3	92.6	89.7	86.5							129.2
	(294. DEG K)	1600	88.3	92.1	96.0	98.3	98.0	97.4	95.1	92.6	89.2	86.6							126.7
HACT	14.86 GM/M3	2000	90.0	93.8	97.5	100.7	100.2	98.4	95.9	93.7	90.0	86.1							130.4
	(0.1486 KG/M3)	2500	95.3	98.3	101.8	104.7	105.4	104.6	101.9	98.9	95.0	90.3							135.5
NFA	9389. RPM	3150	97.7	101.1	103.5	106.7	107.4	106.8	104.1	101.2	97.4	92.1							137.7
	(983. RAD/SEC)	4000	97.9	101.5	104.2	106.8	107.3	105.5	103.3	99.9	96.6	91.7							137.3
NFK	9188. RPM	5000	99.8	104.2	105.6	107.2	108.0	107.2	104.8	100.6	97.3	92.2							136.4
	(962. RAD/SEC)	6300	102.4	105.6	107.1	108.5	108.2	107.6	105.3	101.2	97.2	93.4							139.3
NFD	11517. RPM	8000	98.6	103.5	105.9	107.4	107.2	107.7	105.7	101.8	97.9	93.8							136.8
	(1206. RAD/SEC)	10000	99.8	105.0	107.4	107.6	108.1	107.5	105.9	102.6	98.3	95.3							139.5
NO. OF BLADES	18	12500	99.4	104.0	106.5	107.6	108.1	106.8	106.3	102.5	98.1	94.6							139.4
FAN TIP SPEED	16000	16000	98.0	103.2	104.7	105.5	106.1	105.1	104.8	100.3	96.5	93.6							138.0
	820. FT/SEC	20000	96.4	102.1	104.5	105.2	105.1	104.8	104.0	99.8	96.0	94.0							137.9
		25000	96.3	100.8	103.5	103.9	104.1	103.5	102.6	99.1	95.3	94.2							137.4
		31500	93.6	100.0	102.2	102.5	102.9	102.8	101.7	98.2	94.5	92.5							137.2
		40000	87.5	96.5	99.0	99.8	100.1	99.6	98.9	94.5	91.1	89.1							135.5
		50000	81.5	92.6	94.5	94.8	96.3	94.9	96.0	89.2	87.5	84.4							133.2
		63000	77.9	86.0	87.2	86.6	89.5	89.3	88.2	81.7	81.4	78.2							128.9
		80000	80.9	81.2	81.3	81.9	82.8	85.0	82.5	79.6	81.9	79.9							126.5
	OVERALL MEASURED																		
	OVERALL CALCULATED	112.3	115.2	117.0	118.2	118.3	117.7	116.2	112.9	109.7	107.1								150.1
	PNDP	123.4	126.2	127.9	129.6	129.8	129.2	126.8	124.0	120.7	116.7								

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG.  $\phi$  70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50	70.9	78.0	81.6	83.9	82.1	84.1	84.3	82.7	81.8	80.1					
NFA (2645. RPM)	63	68.9	72.4	74.8	76.6	78.1	78.7	76.6	75.0	72.6	71.2					
(277. RAD/SEC)	80	72.8	76.2	77.8	78.6	79.9	81.9	81.6	80.3	78.4	75.7					
NFK (2588. RPM)	100	70.6	76.3	78.5	79.1	79.1	79.7	80.0	80.1	77.7	76.7					
(271. RAD/SEC)	125	64.6	69.5	74.2	76.9	77.2	77.1	74.8	74.7	72.5	71.0					
NFD (3244. RPM)	160	60.3	65.6	68.6	70.1	70.9	71.1	69.8	69.0	68.5	64.8					
(340. RAD/SEC)	200	60.5	66.4	70.3	72.6	73.5	72.4	70.9	69.8	67.6	65.4					
AIRFLOW RATIO	250	57.9	65.0	71.0	73.8	74.0	73.9	71.7	70.1	67.9	65.6					
NF/HM 12.60	315	55.8	63.6	70.6	74.3	74.9	74.7	73.2	71.1	67.4	64.9					
VEHICLE CONFIG	400	54.4	62.9	71.8	75.7	76.4	75.7	74.7	72.2	69.2	65.4					
LOC SCHENECTADY	500	52.7	62.4	69.9	74.4	75.6	76.0	74.3	72.0	68.4	65.2					
DATE 7/7/75	630	59.0	68.1	75.2	80.5	82.8	83.0	80.8	78.0	73.9	68.7					
RUN 31/7	800	60.6	70.3	76.5	82.1	84.4	84.9	82.8	80.0	76.1	70.1					
TAPE	1000	59.9	70.1	76.7	81.9	84.0	83.3	81.7	78.4	74.9	69.5					
FAN TIP SPEED	1250	60.8	72.1	77.6	81.8	84.3	84.6	82.8	78.8	75.3	69.6					
820. FT/SEC	1600	62.1	72.6	78.4	82.5	84.0	84.6	82.9	79.0	74.8	70.4					
OVERALL CALCULATED	2000	57.1	69.6	76.5	80.9	82.5	84.3	82.9	79.3	75.1	70.3					
PNDB	2500	57.0	70.3	77.5	80.9	83.1	83.7	82.8	79.6	75.2	71.4					
	3150	54.6	68.1	75.6	79.8	82.4	82.4	82.5	79.0	74.3	70.2					
	4000	50.3	65.3	72.4	76.6	79.4	79.8	80.3	76.0	72.0	68.4					
	5000	47.2	63.4	71.6	75.9	78.1	79.3	79.2	75.3	71.3	68.5					
	6300	42.2	58.9	68.2	72.8	75.5	76.6	76.6	73.3	69.2	67.2					
	8000	31.7	53.1	63.3	68.4	71.9	73.6	73.6	70.4	66.4	63.4					
	10000	15.0	42.7	55.1	61.7	65.7	67.5	68.0	63.9	60.2	56.9					
OVERALL CALCULATED	78.1	84.6	89.2	92.7	94.2	94.8	93.8	91.1	88.1	85.3						
PNDB	82.1	93.4	100.2	104.0	106.1	106.6	106.0	102.7	98.7	94.9						

SIDELINE 200. FT. (60.96 M)	50	80.7	87.0	90.2	92.3	90.4	92.3	92.5	90.9	90.0	88.3					
	63	79.0	81.6	83.6	85.2	86.5	87.0	84.9	83.3	80.9	79.5					
	80	83.2	85.7	86.8	87.3	88.4	90.4	90.1	88.7	86.8	84.2					
	100	81.3	86.0	87.7	88.0	87.9	86.4	86.5	88.7	86.3	85.4					
	125	75.6	79.4	83.5	85.9	86.0	85.8	83.5	83.4	81.2	79.3					
	160	71.6	75.7	78.2	79.3	80.0	80.0	78.7	77.8	75.4	73.7					
	200	72.1	76.8	80.1	82.0	82.6	81.4	79.9	78.7	76.6	74.4					
	250	69.9	75.7	80.9	83.4	83.3	83.1	80.8	79.2	77.0	74.8					
	315	68.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9					
	400	67.1	74.1	82.2	85.7	86.1	85.2	84.1	81.6	78.6	74.9					
	500	65.8	73.9	80.5	84.5	85.5	85.6	83.8	81.5	78.0	74.8					
	630	72.5	80.0	86.1	90.9	92.8	92.8	90.5	87.8	83.6	78.5					
	800	74.6	82.5	87.7	92.7	94.7	94.9	92.7	89.9	86.0	80.2					
	1000	74.4	82.7	88.2	92.7	94.5	93.5	91.8	88.5	85.1	79.8					
	1250	75.9	85.2	89.5	93.0	95.0	95.1	93.1	89.1	85.6	80.1					
	1600	78.0	86.3	90.7	94.1	95.1	95.4	93.6	89.6	85.4	81.2					
	2000	73.8	83.9	89.3	92.9	93.9	95.4	93.9	90.2	86.0	81.4					
	2500	74.5	85.1	90.7	93.2	94.8	95.1	94.0	90.8	86.4	82.9					
	3150	73.5	83.7	89.6	92.7	94.7	94.3	94.3	90.7	86.1	82.1					
	4000	71.1	82.4	87.4	90.4	92.4	92.4	92.7	88.3	84.4	81.0					
	5000	69.2	81.2	87.2	90.2	91.6	92.3	92.0	88.0	84.1	81.5					
	6300	67.5	79.0	85.6	88.5	90.4	90.8	90.6	87.2	83.2	81.5					
	8000	62.2	76.8	83.4	86.5	88.8	89.7	89.4	86.1	82.2	79.5					
OVERALL CALCULATED	52.7	71.3	79.1	83.0	85.4	86.3	86.2	82.0	78.5	75.7						
PNDB	89.6	96.2	100.7	103.8	105.1	105.5	104.4	101.3	96.0	95.0						

ORIGINAL PAGE VS  
OF FLOOR QUALITY

Run: 31/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 9 DAY 17 HR. 17.0																	
		MODEL SOUND PRESSURE LEVELS (69. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	
	50																		
	63																		
	80																		
RADIAL	17. FT.	100	96.3	89.5	83.3	84.5	86.3	88.5	88.0	88.5	87.8	86.8							122.1
VEHICLE	UTMSIM	125	97.3	94.5	95.3	95.0	94.3	96.6	95.5	94.5	94.0	93.5							128.7
CONFIG	604	160	99.8	101.3	102.8	103.0	100.5	102.3	101.5	99.8	98.6	98.5							134.6
LOC	SCHENECTADY	200	97.7	96.7	96.2	96.7	96.5	97.0	94.2	92.0	90.2	89.2							128.7
DATE	7/7/75	250	102.5	101.2	99.7	98.2	98.7	99.2	99.2	97.5	96.2	94.0							132.3
RUN	31/8	315	101.0	101.2	100.5	98.7	98.0	98.0	98.0	97.0	95.5	94.5							131.8
TAPE		400	94.5	95.3	97.2	97.5	95.7	95.0	92.5	92.3	90.5	89.5							128.1
BAR	29.6 HG	500	92.5	91.0	91.3	90.3	89.5	89.0	87.5	86.0	84.0	82.3							122.3
	(100.22 N/M2)	630	92.0	92.8	93.3	94.0	92.5	90.8	88.8	87.0	85.3	83.5							124.3
TAMB	80. DEG F	800	90.8	91.5	94.8	95.3	94.2	92.6	90.3	88.8	86.2	84.3							125.5
	(300. DEG K)	1000	89.5	91.0	95.0	96.5	95.7	94.3	92.0	89.5	86.2	84.2							128.5
TRET	69. DEG F	1250	89.3	91.3	96.5	97.7	97.2	95.8	93.6	91.6	87.7	85.3							127.9
	(294. DEG K)	1600	88.0	91.6	96.3	97.3	97.2	95.6	93.6	91.1	87.7	84.6							127.6
HACT	14.57 GM/M3	2000	89.5	93.3	97.3	99.7	99.2	97.8	95.1	92.4	88.7	85.1							129.5
	(1.0457 KG/M3)	2500	95.5	99.1	102.3	105.2	104.9	105.6	102.6	100.4	96.0	91.1							136.1
NFA	8605. RPM	3150	95.5	99.1	102.8	105.7	105.9	104.3	101.6	98.9	94.4	90.3							135.9
	(922. RAD/SEC)	4000	96.4	100.2	103.4	105.8	105.8	104.3	101.3	97.9	94.3	89.7							135.9
NFK	8632. RPM	5000	100.8	104.4	107.3	108.0	108.2	106.9	105.8	102.3	98.8	93.7							139.1
	(904. RAD/SEC)	6300	98.1	101.6	104.1	105.8	105.2	104.1	102.3	98.9	94.4	90.4							138.2
NFD	11517. RPM	8000	97.1	102.0	104.9	105.9	106.2	105.5	103.7	99.8	95.4	92.0							137.1
	(1206. RAD/SEC)	10000	97.8	103.5	105.7	106.6	106.9	105.8	103.9	100.6	95.3	92.3							137.9
NG. OF BLADES	18	12500	97.7	102.5	105.3	105.1	105.9	105.1	104.0	99.8	95.6	92.1							137.5
FAN TIP SPEED	769. FT/SEC	16000	96.3	100.5	103.0	104.0	103.6	103.1	102.3	97.5	93.8	90.6							135.8
		20000	94.7	99.4	102.3	103.5	103.1	102.1	101.2	97.5	93.3	91.0							135.5
		25000	94.1	98.3	101.5	102.4	102.1	101.0	99.9	96.9	92.0	90.4							135.1
		31500	91.8	97.3	100.2	100.8	100.9	100.0	98.7	95.0	91.3	88.8							134.6
		40000	85.7	93.7	96.5	97.6	97.1	96.6	96.4	92.0	87.9	86.4							132.8
		50000	79.5	89.8	91.5	92.1	94.1	92.2	92.4	86.7	84.5	81.9							130.4
		63000	77.6	83.2	84.4	84.8	86.7	85.8	85.4	79.4	79.6	76.6							126.2
		80000	80.9	81.2	81.0	81.6	82.0	82.0	82.4	79.6	81.9	79.8							127.8
OVERALL MEASURED																			
OVERALL CALCULATED		111.0	113.5	115.8	117.0	116.8	116.0	114.4	111.3	108.0	105.5								148.5
PND8		122.4	125.3	127.9	129.0	128.9	127.9	126.3	123.4	119.9	116.1								

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH - DAY 19 MR. 1968																			
FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)																					
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)						
	50	69.9	75.7	79.9	81.9	80.6	83.1	82.8	81.2	80.0	79.4										
SIDELINE 500. FT.	63	67.4	70.9	73.1	75.4	76.4	77.7	75.4	73.2	71.4	69.9										
(152.40 M)	80	71.6	75.0	76.3	76.6	76.4	79.7	80.1	78.5	77.1	74.4										
NFA (2480. RPM)	100	69.6	74.6	76.7	78.9	77.4	78.2	78.7	77.9	76.2	74.7										
(260. RAD/SEC)	125	62.6	68.2	73.2	75.4	74.9	75.1	73.0	72.9	71.0	69.5										
NFK (2431. RPM)	160	60.0	63.6	66.9	67.9	68.4	68.8	67.8	66.5	64.3	62.1										
(255. RAD/SEC)	200	59.0	64.9	68.6	71.4	71.2	70.4	68.9	67.3	65.4	63.1										
NFD (3244. RPM)	250	57.2	63.2	69.7	72.3	72.7	71.9	70.2	68.8	66.1	63.6										
(340. RAD/SEC)	315	55.3	62.3	69.6	73.3	73.9	73.5	71.7	69.4	65.9	63.4										
AIRFLOW RATIO	400	54.4	62.1	70.8	74.2	75.2	74.7	73.0	71.2	67.2	64.2										
(NF/M 12.60)	500	52.5	61.9	69.1	73.4	74.9	74.2	72.8	70.5	66.9	63.2										
VEHICLE CONFIG	630	53.2	63.1	70.7	75.5	76.6	76.0	74.0	71.5	67.6	63.4										
UHSIM 604	800	56.3	68.3	75.2	80.6	81.9	83.6	81.2	79.2	74.6	69.1										
LOC SCHENECTADY	1000	57.4	67.6	75.2	80.7	82.5	82.0	79.9	77.4	72.7	68.0										
DATE 7/7/75	1250	57.4	68.1	75.4	80.1	82.1	81.6	79.3	76.1	72.3	67.1										
RUN 31/8	1600	60.5	71.4	78.6	82.0	84.0	83.8	83.3	80.1	76.3	70.6										
TAPE	2000	56.5	67.6	74.8	79.1	80.4	80.6	79.4	76.2	71.5	66.9										
FAN TIP SPEED	2500	54.2	67.2	74.8	78.8	81.0	81.5	80.4	76.5	72.1	68.1										
(76. FT/SEC)	3150	52.8	67.3	74.6	78.6	80.9	81.1	80.0	76.9	71.4	67.6										
OVERALL CALCULATED	4000	49.6	64.3	72.6	76.9	78.8	79.4	79.2	75.2	70.7	66.5										
PND	5000	46.6	61.3	69.6	74.3	76.1	77.1	77.1	72.6	68.6	64.7										
PNDB	6300	39.8	56.8	66.4	71.7	73.9	74.5	74.5	71.1	66.6	63.5										
	8000	31.3	50.5	61.7	67.4	70.1	70.9	70.8	68.2	63.0	60.3										
	10000	18.0	42.2	54.9	61.3	65.1	66.5	66.4	63.1	59.0	55.2										
	10000	76.8	82.7	87.7	91.1	92.4	92.9	91.9	89.3	86.3	83.7										
		80.4	91.4	98.6	102.6	104.5	104.8	103.7	100.7	96.2	92.4										
	50	79.7	84.7	88.5	90.3	88.9	91.3	91.0	89.4	86.3	87.6										
SIDELINE 200. FT.	63	77.5	80.1	81.9	84.0	84.8	86.0	83.7	81.6	79.7	78.3										
(60.96 M)	80	82.0	84.4	85.3	85.3	86.9	88.2	86.6	87.0	85.6	82.9										
	100	80.3	84.3	85.9	85.8	86.1	86.9	87.3	86.4	84.8	83.4										
	125	73.6	78.1	82.5	84.4	83.8	83.8	81.7	81.6	79.7	78.3										
	160	71.3	73.7	76.4	77.1	77.5	77.7	76.7	75.3	73.1	71.0										
	200	70.6	75.3	78.3	80.7	80.4	79.4	77.9	76.2	74.3	72.2										
	250	69.1	73.9	79.7	81.9	82.0	81.1	79.3	77.9	75.2	72.8										
	315	67.6	73.3	79.8	83.0	83.4	82.8	80.9	78.6	75.2	72.7										
	400	67.1	73.3	81.2	84.1	84.8	84.2	82.4	80.6	76.6	73.7										
	500	65.5	73.4	79.8	83.5	84.7	83.9	82.3	80.0	76.5	72.8										
	630	66.7	75.0	81.6	85.9	86.6	85.8	83.8	81.2	77.4	73.3										
	800	72.3	80.5	86.5	91.2	92.2	93.7	91.2	89.1	84.5	79.1										
	1000	72.0	80.3	86.8	91.5	93.0	92.3	90.1	87.5	82.9	78.3										
	1250	72.5	81.2	87.2	91.3	92.8	92.1	89.7	86.4	82.7	77.6										
	1600	76.4	85.0	90.9	93.5	95.1	94.6	94.0	90.7	86.9	81.4										
	2000	73.2	81.9	87.4	91.1	91.9	91.7	90.4	87.1	82.5	78.0										
	2500	71.8	82.0	88.0	91.1	92.7	92.9	91.7	87.7	83.3	79.5										
	3150	71.6	83.0	88.5	91.5	93.2	93.0	91.7	88.5	83.1	79.5										
	4000	70.4	81.3	87.6	90.6	91.9	92.1	91.5	87.5	83.1	79.1										
	5000	68.6	79.1	85.2	88.6	89.6	90.1	89.9	85.3	81.4	77.7										
	6300	65.2	76.9	83.7	87.5	88.7	88.8	88.5	85.0	80.6	77.7										
	8000	61.8	74.1	81.8	85.5	87.0	87.1	86.6	83.8	78.7	76.5										
	10000	55.7	70.7	78.9	82.6	84.9	85.2	84.7	81.2	77.2	74.0										
OVERALL CALCULATED		88.2	94.3	99.2	103.3	103.5	103.6	102.4	99.6	96.1	93.2										

Run 31/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 YR. 1980										
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ.	20	30	40	50	60	70	80	90	100	110	120	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)
	50	60	70	80	90	100	110	120	130	140	150	160
RADIAL 17. FT.	100	96.8	90.0	84.5	86.0	87.5	89.0	89.5	90.0	89.5	88.0	123.2
VEHICLE (5: M) UTKSIM	125	104.0	103.3	104.3	103.5	101.0	102.3	101.3	97.8	96.3	96.8	139.0
CONFIG 604	160	101.8	102.0	103.8	102.5	100.8	102.0	100.8	98.3	96.5	96.6	134.4
LOC SCHENECTADY	200	97.5	95.0	95.0	95.5	95.7	95.5	93.7	91.5	89.5	88.6	127.7
DATE 7/7/75	250	101.5	98.5	97.2	96.7	97.2	98.0	97.7	96.7	95.3	93.3	130.8
RUN 31/9	315	99.2	98.2	97.5	95.7	95.0	95.8	95.5	95.0	93.8	93.3	129.4
TAPE	400	96.3	92.5	94.2	94.5	92.5	91.5	90.0	89.3	87.3	86.8	125.4
BAR 29.6 HG	500	92.5	89.3	89.5	86.3	87.5	87.0	85.5	84.0	82.0	80.3	124.6
(100122. N/M2)	630	92.5	92.0	93.3	93.3	92.0	91.1	88.8	86.8	84.3	82.0	124.0
TAMB 80. DEG F	800	90.8	91.5	93.8	95.0	94.2	93.1	90.5	88.5	86.3	84.1	129.3
(1300. DEG K)	1000	89.0	90.5	93.7	95.0	94.5	93.8	91.3	88.8	85.3	82.6	129.5
TWET 69. DEG F	1250	89.8	90.5	95.0	96.5	96.5	95.6	93.1	91.1	86.5	83.8	127.1
(294. DEG K)	1600	88.3	91.3	95.3	96.8	97.2	96.1	94.1	91.9	87.3	84.6	127.7
HACT 14.57 GM/M3	2000	89.3	93.1	97.5	98.5	98.2	97.4	95.1	92.9	88.5	84.9	129.0
(1.01457 KG/M3)	2500	93.3	98.1	101.8	103.2	104.2	103.6	101.4	98.7	94.5	90.1	134.6
NFA 8214. RPM	3150	93.7	97.6	101.5	103.7	103.4	103.3	100.1	96.9	93.5	89.1	134.2
(800. RAD/SEC)	4000	94.4	98.5	102.2	103.8	103.8	103.3	100.3	97.4	93.6	88.8	134.5
NFK 8053. RPM	5000	100.6	104.4	108.1	108.0	108.5	109.7	106.0	102.3	97.5	92.7	134.8
(843. RAD/SEC)	6300	95.9	99.9	102.8	104.3	103.7	103.1	100.3	96.7	92.7	89.0	134.7
NFD 11517. RPM	8000	95.9	100.7	103.8	105.2	104.7	104.7	103.0	98.8	94.2	90.1	136.1
(1206. RAD/SEC)	10000	95.0	101.7	104.2	104.6	104.6	104.0	102.2	97.8	93.9	90.6	135.9
NO. OF BLADES 18	12500	95.4	100.8	103.3	103.6	103.9	103.1	102.0	97.8	93.3	89.9	135.4
FAN TIP SPEED	16000	93.5	98.2	101.2	102.0	101.3	100.8	100.3	95.5	91.6	88.4	133.7
71.7. FT/SEC	20000	91.7	97.6	100.5	101.2	100.6	100.1	99.7	95.3	90.8	88.9	133.5
	25000	90.8	96.6	99.7	99.7	99.6	98.0	97.9	94.1	89.8	88.0	132.7
	31500	88.6	95.0	98.0	98.5	98.2	97.5	96.2	92.5	88.8	86.3	132.3
	40000	82.0	91.5	94.8	94.6	94.9	93.9	93.6	89.2	85.4	83.4	130.3
	50000	77.0	87.5	89.8	89.6	91.3	89.7	89.9	83.7	81.5	78.7	127.8
	63000	76.1	80.9	81.9	82.3	84.5	83.3	83.4	77.7	74.1	70.9	123.7
	80000	80.9	81.2	81.0	81.6	82.0	82.0	82.4	79.6	71.9	70.4	126.8
OVERALL MEASURED												
OVERALL CALCULATED	110.9	112.6	115.2	115.7	115.5	115.6	113.5	110.1	106.7	104.5		147.4
PNDB	122.0	124.8	127.9	128.3	128.4	128.6	125.9	122.8	118.8	115.1		

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	
SIDELINE 500. FT. (152.40 M)	50	71.9	76.5	80.9	81.4	80.8	82.9	82.0	79.7	77.8	77.4
NFA 2314. RPM (242. RAD/SEC)	63	67.2	69.1	71.8	74.1	75.6	76.2	74.9	72.7	70.6	69.2
NFK 2288. RPM (237. RAD/SEC)	80	70.6	72.2	73.8	75.1	76.9	78.4	78.6	77.8	76.2	73.7
NFD 3244. RPM (340. RAD/SEC)	100	67.9	71.6	73.7	73.9	74.4	76.0	76.2	75.9	74.5	73.5
AIRFLOW RATIO	125	64.3	65.5	70.2	72.4	71.7	71.6	70.5	69.9	67.8	66.8
WF/WH 12.60	160	60.0	61.8	65.1	65.9	66.4	66.8	65.8	64.5	62.3	60.1
VEHICLE CONFIG	200	59.5	64.2	68.6	70.6	70.7	70.7	68.9	67.0	64.4	62.4
LOC SCHENECTADY	250	57.2	63.2	68.7	72.1	72.7	72.4	70.4	68.6	66.2	63.4
DATE 7/7/75	315	54.8	61.8	68.4	71.8	72.7	73.0	70.9	68.6	64.9	61.7
RUN 31/9	400	54.9	61.4	69.3	73.0	74.4	74.5	72.5	70.7	66.0	62.7
TAPE	500	53.7	63.4	71.4	74.6	75.9	76.0	74.3	72.3	67.7	63.5
FAN TIP SPEED 71.7. FT/SEC	630	57.0	67.9	75.2	79.0	81.5	82.0	80.3	77.8	73.4	68.5
OVERALL CALCULATED	800	56.6	66.8	74.5	79.1	80.4	81.4	78.8	75.8	72.1	67.2
PNDP	1000	56.4	67.1	74.7	78.8	80.5	81.0	78.7	75.9	72.0	66.5
	1250	61.5	72.3	80.1	82.6	84.8	87.1	84.0	80.5	75.5	70.1
	1600	55.6	66.9	74.1	78.3	79.5	80.1	77.9	74.5	70.3	66.0
	2000	54.3	66.9	74.3	78.7	80.0	81.3	80.1	76.2	71.4	66.6
	2500	52.2	67.1	74.2	77.6	79.5	80.2	79.0	74.9	70.7	66.8
	3150	50.6	64.8	72.4	75.8	78.1	78.6	78.3	74.3	69.6	65.5
	4000	45.8	60.3	68.9	73.1	74.6	75.5	75.8	71.3	67.0	63.2
	5000	42.4	58.9	67.6	71.9	73.6	74.5	75.0	70.8	66.1	63.3
	6300	38.6	54.6	64.5	68.5	71.0	71.1	71.8	68.3	63.7	61.0
	8000	26.7	48.1	59.0	64.4	67.1	68.3	68.1	64.7	60.7	57.2
	10000	9.5	37.7	50.9	56.5	60.5	61.7	62.7	58.7	54.5	51.2
	OVERALL CALCULATED	76.8	81.8	87.4	90.1	91.6	92.8	91.2	88.4	85.0	82.4
	PNDP	78.9	90.2	97.4	100.9	102.6	103.4	102.3	98.9	94.6	90.8

SIDELINE 200. FT. (60.96 M)	50	81.7	85.5	89.5	89.8	89.1	91.1	90.3	87.9	86.0	85.7
	63	77.2	78.3	80.6	82.7	84.0	84.5	83.2	81.1	79.0	77.6
	80	81.0	81.7	82.8	83.8	85.4	86.9	87.1	86.2	84.6	82.2
	100	75.5	81.3	82.9	82.8	83.1	84.6	84.8	84.4	83.1	82.2
	125	75.3	75.4	79.5	81.4	80.5	80.3	79.2	78.6	76.5	75.6
	160	71.3	72.0	74.7	75.1	75.5	75.7	74.7	73.3	71.2	69.0
	200	71.1	74.6	78.3	80.0	79.9	79.7	77.9	76.0	73.4	71.5
	250	69.1	73.9	78.7	81.6	82.0	81.6	79.5	77.7	75.3	72.6
	315	67.1	72.8	78.5	81.5	82.2	82.3	80.2	77.8	74.2	71.0
	400	67.6	72.6	79.7	82.9	84.1	84.0	81.9	80.1	75.4	72.2
	500	66.8	74.9	82.1	84.8	85.7	85.7	83.9	81.8	77.3	73.2
	630	70.5	79.7	86.1	89.4	91.6	91.8	90.0	87.5	83.2	78.3
	800	70.6	79.0	85.7	89.7	90.7	91.4	88.7	85.7	82.0	77.2
	1000	70.9	79.7	86.2	89.7	91.0	91.3	88.8	86.0	82.1	76.8
	1250	76.7	85.4	91.9	93.7	95.5	97.6	94.4	90.9	85.9	80.6
	1600	71.5	80.5	86.4	89.8	90.6	90.9	88.6	85.1	80.9	76.8
	2000	71.1	81.1	87.1	90.8	91.4	92.4	91.1	87.2	82.3	77.8
	2500	69.8	81.8	87.4	89.9	91.3	91.6	90.3	86.1	82.0	78.2
	3150	69.5	80.5	86.3	88.7	90.4	90.5	90.0	85.9	81.3	77.4
	4000	66.6	77.4	83.9	86.9	87.7	88.2	88.2	83.8	79.4	75.8
	5000	64.4	76.7	83.2	86.2	87.1	87.6	87.8	83.5	78.9	76.4
	6300	62.0	74.8	81.9	84.3	85.9	85.3	85.8	82.2	77.7	75.3
	8000	57.2	71.8	79.2	82.5	84.0	84.5	83.9	80.3	76.5	73.3
	10000	47.2	66.3	74.8	77.8	80.2	80.5	81.0	76.8	72.7	70.0
	OVERALL CALCULATED	87.9	93.3	98.7	101.1	102.3	103.2	101.5	98.4	94.8	91.9
	PNDP	95.2	104.7	110.5	113.1	114.4	114.8	113.8	110.2	106.0	102.4

ORIGINAL PAGE IS OF POOR QUALITY



Run 31/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 17.0															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLE FROM INLET IN DEGREES (AND RADIAN)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.)
	50																
	63																
RADIAL	17. FT.																
	( 5. M)	100	91.8	87.3	81.5	83.5	85.0	86.5	87.3	87.3	87.8	86.8					128.4
VEHICLE	UTMSIM	125	96.5	94.8	95.0	95.8	93.8	94.3	93.3	92.1	91.0	92.3					127.4
CONFIG	GO4	160	93.8	93.5	94.3	94.5	92.5	93.0	92.0	90.6	89.3	89.1					125.9
LOC	SCHENECTADY	200	93.5	90.2	90.2	90.7	91.5	90.5	88.5	86.0	84.5	83.1					122.9
DATE	7/7/75	250	96.7	94.0	92.7	91.0	91.0	92.0	91.7	90.3	88.8	86.8					125.2
RUN	31/10	315	95.0	93.7	92.2	91.0	89.5	89.8	89.0	88.8	86.8	86.6					123.9
TAPE		400	89.8	87.5	89.2	89.2	87.2	86.3	84.0	83.1	81.3	79.8					119.8
BAR	29.6 HG	500	87.3	85.5	84.8	83.8	83.0	82.3	80.8	78.8	77.3	75.1					115.9
	(100.22. N/M2)	630	88.3	89.0	89.5	89.5	88.2	87.1	84.5	82.8	80.5	78.3					120.2
TAMB	80. DEG F	800	86.5	89.3	90.8	91.3	90.2	88.8	86.5	84.3	81.5	79.3					121.6
	(300. DEG K)	1000	85.3	87.8	90.0	91.0	90.0	89.1	86.8	83.8	80.3	77.8					121.2
TNET	69. DEG F	1250	85.0	88.0	92.5	93.7	92.5	90.8	89.3	86.6	82.5	79.1					123.5
	(294. DEG K)	1600	85.0	89.3	93.3	94.3	93.2	92.1	89.9	87.7	83.3	79.9					124.3
HACT	14.57 GM/M3	2000	89.3	93.8	98.8	99.5	98.5	97.4	94.9	92.7	88.8	83.6					129.5
	(0.457 KG/M3)	2500	91.0	94.6	99.0	100.7	99.7	98.4	95.9	93.2	88.8	84.4					130.4
NPA	7061. RPM	3150	90.7	94.1	97.3	100.4	99.1	97.8	94.9	92.7	88.0	83.9					129.8
	(739. RAD/SEC)	4000	97.1	100.0	104.9	106.6	107.0	104.8	99.8	96.7	91.1	90.8					136.5
NFK	8922. RPM	5000	94.6	98.2	101.6	102.5	101.7	100.2	96.5	93.4	89.0	86.0					132.4
	(725. RAD/SEC)	6300	92.9	95.9	100.1	101.5	100.4	99.6	97.1	93.2	89.2	85.8					131.5
NFD	11517. RPM	8000	92.9	97.2	100.4	100.9	100.2	99.5	96.5	92.1	88.2	85.1					131.4
	(1206. RAD/SEC)	10000	92.3	97.5	100.7	101.3	100.6	99.3	97.2	93.1	88.1	85.1					131.8
NO. OF BLADES	18	12500	92.2	96.5	99.5	100.1	99.9	98.8	97.3	92.3	87.3	84.2					131.3
FAN TIP SPEED		16000	90.3	94.2	97.0	98.0	96.8	96.1	95.6	89.6	85.1	82.2					128.2
	616. FT/SEC	20000	88.4	93.4	96.3	96.5	96.1	95.3	94.5	89.1	84.6	81.1					128.7
		25000	87.1	92.1	94.2	95.2	94.9	94.0	92.4	88.2	83.1	80.2					127.8
		31500	84.6	90.5	93.2	93.8	93.4	92.8	91.0	86.8	82.1	78.8					127.4
		40000	78.5	87.5	89.5	90.3	89.6	89.1	88.1	83.0	78.7	75.9					125.2
		50000	74.7	83.0	85.3	85.8	86.8	84.9	84.7	78.5	74.8	71.9					123.2
		63000	75.6	78.7	78.9	79.1	80.7	80.5	77.2	70.7	70.1	66.7					120.0
		80000	80.9	81.2	81.0	81.6	82.0	82.0	72.4	69.6	71.9	69.9					125.5
OVERALL MEASURED																	
OVERALL CALCULATED		106.4	108.4	111.5	112.6	112.1	110.8	108.2	104.9	101.2	99.4						143.3
	PND8	118.9	121.3	125.1	128.5	126.3	124.6	121.0	118.1	113.7	112.0						

Run 31/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 17 HR. 19.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.						
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	0.	0.	0.	0.	0.	0.
	50	63.9	68.0	71.4	73.4	72.6	73.9	73.3	72.0	70.6	69.9						
SIDELINE 900. FT.	63	63.2	64.4	67.1	69.4	71.4	71.2	69.6	67.3	65.6	63.7						
(152.40 M)	80	65.8	67.7	69.3	69.4	70.6	72.4	72.6	71.3	69.7	67.2						
NPA 1989. RPM	100	63.6	67.1	68.5	69.1	68.9	70.0	69.7	69.7	67.5	66.8						
( 208. RAD/SEC)	125	57.8	60.5	65.2	67.1	66.4	66.3	64.5	63.7	61.8	59.8						
NPK 1950. RPM	160	54.8	58.1	60.4	61.4	61.9	62.1	61.1	59.3	57.6	54.9						
( 204. RAD/SEC)	200	55.2	61.2	64.8	66.9	67.0	66.7	64.6	63.1	60.6	57.9						
NFD 3244. RPM	250	52.9	61.0	65.7	68.3	68.7	68.2	66.4	64.4	61.4	58.7						
( 340. RAD/SEC)	315	51.0	59.1	64.6	67.8	68.2	68.2	66.5	63.7	59.9	57.0						
AIRFLOW RATIO	400	50.1	58.9	66.8	70.2	70.4	69.7	68.8	66.2	62.0	58.0						
WF/WH 12-60	500	49.5	59.6	67.1	70.4	70.9	70.7	69.0	67.0	62.5	58.5						
	630	53.0	63.6	72.2	75.3	75.8	75.7	73.8	71.8	67.7	62.0						
	800	53.8	63.8	72.0	76.1	76.7	76.4	74.5	72.0	67.4	62.4						
VEHICLE CONFIG	1000	52.7	62.6	69.7	75.4	75.8	75.5	73.2	71.2	66.3	61.6						
UTS1M G04	1250	58.1	67.9	76.9	81.1	83.3	82.1	77.8	74.9	69.1	68.2						
LOC SCHENECTADY	1600	54.2	65.2	72.9	76.5	77.5	77.1	74.1	71.1	66.6	62.9						
DATE 7/7/75	2000	51.2	61.9	70.6	74.9	75.7	76.1	74.2	70.5	66.3	62.2						
RUN 31/10	2500	50.0	62.5	70.3	73.8	75.0	75.5	73.2	69.1	64.9	61.1						
TAPE	3150	47.3	61.3	69.6	73.4	74.7	74.6	73.3	69.4	64.2	60.5						
FAN TIP SPEED	4000	44.1	58.3	66.9	70.9	72.8	73.2	72.4	67.7	62.5	58.5						
616. FT/SEC	5000	40.6	55.0	63.6	68.3	69.4	70.1	70.4	64.6	59.9	56.2						
	6300	33.6	50.8	60.4	64.7	66.9	67.8	67.8	62.7	57.9	53.5						
	8000	24.3	44.2	54.4	60.2	62.9	63.9	63.4	58.5	54.0	50.1						
	10000	10.7	35.4	47.9	54.3	57.6	59.2	58.7	54.9	49.8	45.3						
OVERALL CALCULATED		71.5	76.9	83.2	86.8	88.0	87.7	85.5	82.8	79.1	76.8						
PND8		75.2	86.0	93.8	97.5	98.7	98.8	97.2	93.8	89.1	85.4						
	50	73.7	77.0	80.0	81.8	80.9	82.1	81.5	80.2	78.6	78.2						
SIDELINE 200. FT.	63	73.2	73.6	75.9	78.0	79.8	79.5	77.9	75.6	74.0	72.1						
( 60.96 M)	80	76.2	77.2	78.3	78.1	79.2	80.9	81.1	79.6	78.1	75.7						
	100	74.3	76.8	77.7	78.0	77.6	78.6	78.3	78.2	76.1	75.4						
	125	68.8	70.4	74.5	76.2	75.3	75.1	73.2	72.4	70.5	68.6						
	160	66.1	68.2	69.9	70.6	71.0	71.0	69.9	68.1	66.4	63.8						
	200	66.8	71.6	74.6	76.2	76.1	75.7	73.6	72.0	69.6	67.0						
	250	64.9	71.7	75.7	77.9	78.0	77.4	75.5	73.5	70.5	67.9						
	315	63.3	70.0	74.8	77.5	77.7	77.5	75.7	72.9	69.2	66.3						
	400	62.8	70.1	77.2	80.1	80.1	79.2	78.2	75.6	71.4	67.5						
	500	62.5	71.2	77.8	80.5	80.7	80.4	78.6	76.6	72.0	68.2						
	630	66.5	75.5	83.1	85.6	85.9	85.5	83.5	81.5	77.4	71.8						
	800	67.8	76.0	83.2	86.7	87.0	86.4	84.4	81.9	77.3	72.5						
	1000	67.2	75.3	81.3	86.3	86.3	85.8	83.3	81.3	76.4	71.8						
	1250	73.2	80.9	88.7	92.3	94.1	92.6	88.2	85.2	79.5	78.7						
	1600	70.1	78.8	85.2	88.0	88.6	87.9	84.7	81.7	77.2	73.7						
	2000	67.9	76.1	83.4	86.8	87.1	87.2	85.2	81.4	77.3	73.3						
	2500	67.5	77.2	83.5	86.1	86.7	86.9	84.4	80.3	76.1	72.6						
	3150	66.1	77.0	83.5	86.3	87.0	86.5	85.0	81.1	75.9	72.4						
	4000	64.9	75.3	81.9	84.6	85.9	85.8	84.8	80.0	74.9	71.2						
	5000	62.6	72.9	79.2	82.6	82.9	83.1	83.2	77.4	72.7	69.3						
	6300	58.9	70.9	77.7	80.5	81.7	82.0	81.8	76.5	71.9	67.8						
	8000	54.8	67.9	74.5	78.3	79.8	80.1	79.1	75.1	69.8	66.3						
	10000	48.4	64.0	71.9	75.6	77.4	78.0	76.9	73.0	68.0	64.1						
OVERALL CALCULATED		83.2	88.9	95.0	98.0	98.9	98.4	96.1	93.0	89.0	86.3						
PND8		91.8	100.8	107.1	110.0	110.7	110.4	108.7	105.1	100.8	97.0						

Run 32/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 14.7																
		MODEL SOUND PRESSURE LEVELS (50. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		FREQ.	10.35	10.52	10.70	10.87	11.05	11.22	11.40	11.57	11.75	11.92	12.10	12.28	12.46	12.64	12.82	
RADIAL	17. FT.	50																
	( 5. M)	63																
		80																
VEHICLE	UTMSIM	100	95.5	89.8	83.3	84.5	86.0	87.8	88.3	88.5	88.0	86.6						122.0
CONFIG	GO4	125	96.0	93.5	94.3	93.5	92.5	94.8	94.3	92.8	92.8	92.8						127.3
LOC	SCHENECTADY	160	99.8	100.3	102.5	101.8	99.5	101.5	100.8	99.0	98.3	97.8						133.9
DATE	7/7/75	200	97.5	95.7	95.5	95.5	95.0	95.0	92.7	90.7	88.5	87.6						127.4
RUN	32/1	250	101.7	99.7	97.7	96.7	97.7	98.5	98.0	96.7	95.5	93.3						131.2
TAPE		315	100.0	100.2	99.5	98.0	97.2	97.5	97.5	96.7	95.0	94.6						131.2
BAR	29.6 HG	400	95.5	94.3	96.2	96.2	94.7	94.0	92.3	91.8	90.3	88.6						127.3
	(99.856 N/M2)	500	92.0	90.8	90.8	89.5	89.0	88.0	87.5	86.0	84.0	81.6						121.8
TAMB	88. DEG F	630	92.3	91.8	92.8	92.3	91.2	89.8	88.5	87.0	84.8	83.1						123.5
	(304. DEG K)	800	91.3	91.8	94.0	94.3	93.0	92.1	89.5	88.0	85.3	83.6						124.8
TaT	72. DEG F	1000	89.3	90.5	94.2	94.5	94.2	92.8	90.8	88.5	85.0	82.6						125.2
	(295. DEG K)	1250	88.8	90.8	94.8	95.8	95.2	94.1	91.8	89.3	85.8	82.8						128.1
HACT	14.92 GM/M3	1600	88.8	89.6	93.0	94.5	94.5	92.9	90.6	88.6	84.8	81.9						125.0
	(1.01492 KG/M3)	2000	88.3	91.8	94.5	96.0	94.7	92.6	90.4	87.9	84.8	81.6						125.6
NFA	876. RPM	2500	93.5	96.3	99.0	101.2	99.2	99.4	96.4	92.9	88.8	84.1						130.8
	(929. RA/SEC)	3150	94.2	97.3	98.3	100.7	100.2	97.3	94.4	92.0	87.7	84.4						130.9
NFK	8638. RPM	4000	94.9	98.3	99.4	101.1	101.6	98.3	95.3	92.2	88.6	85.1						131.3
	(1904. RAD/SEC)	5000	98.6	101.2	102.6	103.5	104.2	100.7	97.8	94.1	90.8	87.3						134.0
NFD	11517. RPM	6300	96.1	98.1	100.1	101.3	100.4	97.9	94.9	91.4	88.0	85.3						131.1
	(1206. RA/SEC)	8000	95.2	98.5	100.9	101.9	101.4	100.3	97.5	93.4	89.4	86.6						132.4
NO. OF BLADES	18	10000	95.0	99.5	101.4	101.6	101.6	99.8	97.5	93.6	89.4	86.4						132.6
FAN TIP SPEED	16000	12500	94.9	98.5	100.8	100.9	101.1	99.1	97.3	93.3	89.1	86.4						132.3
	775. FT/SEC	16000	93.1	97.0	99.3	99.3	99.1	98.4	97.3	92.8	88.6	86.2						131.4
		20000	92.0	96.4	98.8	99.6	98.9	98.4	97.3	92.8	88.6	86.9						131.7
		25000	91.2	95.7	97.8	98.5	98.7	97.6	96.5	93.2	88.6	87.1						131.7
		31500	88.5	94.4	96.6	97.4	97.3	96.6	95.6	92.1	87.5	85.7						131.4
		40000	82.4	91.4	93.7	94.5	94.3	94.1	93.3	89.4	85.3	83.1						130.1
		50000	77.8	87.8	89.5	89.9	91.4	89.7	90.5	85.0	81.8	79.2						128.1
		63000	76.5	81.9	82.8	82.8	84.9	84.2	84.1	78.6	75.3	72.1						124.5
		80000	81.5	81.8	81.6	82.2	82.7	82.6	83.0	80.2	72.6	72.0						127.5
OVERALL MEASURED																		
OVERALL CALCULATED			109.7	111.0	112.6	113.1	112.8	111.5	109.8	107.1	104.7	103.2						144.8
PND8			120.9	122.8	124.3	125.1	125.1	122.9	120.4	117.5	114.5	111.6						

Run 32/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH - DAY 17 MR. 1967

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. 24V)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.)	
SIDELINE 500. Ft. (152.40 M)	50	69.9	74.7	79.6	80.6	79.6	82.4	82.0	80.4	79.6	78.7								
	63	67.2	69.9	72.3	74.1	74.9	75.7	73.9	72.0	69.6	68.2								
NFA (2500 RPM (262. RAD/SEC)	80	70.8	73.5	74.3	75.1	77.4	78.9	78.9	77.8	76.4	73.7								
	100	68.6	73.6	75.7	76.1	76.6	77.7	78.2	77.6	75.7	74.8								
NFK (2433 RPM (255. RAD/SEC)	125	63.6	67.2	72.2	74.1	73.9	74.1	72.8	72.4	70.8	68.6								
	160	59.5	63.3	66.4	67.1	67.9	68.1	67.8	66.5	64.3	61.4								
NFD (3244 RPM (340. RAD/SEC)	200	59.2	63.9	68.1	69.6	70.0	69.4	68.6	67.3	64.9	62.7								
	250	57.7	63.5	69.0	71.3	71.5	71.4	69.4	68.4	65.2	62.9								
AIRFLOW RATIO WF/WB 12.60	315	55.0	61.8	68.9	71.3	72.4	72.0	70.4	68.4	64.7	61.7								
	400	53.9	61.6	69.0	72.2	73.2	73.0	71.2	68.9	65.2	61.7								
	500	51.2	59.9	66.9	70.6	72.1	71.5	69.8	68.0	64.0	60.5								
	630	52.0	61.6	68.0	71.8	72.1	71.0	69.3	67.0	63.0	60.0								
	800	56.3	65.5	72.0	76.6	76.2	77.4	75.0	71.7	67.4	62.2								
VEHICLE CONFIG UTS/SH 604	1000	56.2	65.9	70.7	75.7	75.8	75.1	72.7	70.5	66.0	62.1								
LOC SCHENECTADY	1250	55.9	66.1	71.4	75.6	77.8	75.6	73.3	70.3	66.6	62.4								
DATE 7/7/75	1600	58.3	68.2	73.9	77.5	80.0	77.6	75.3	71.8	68.3	64.1								
RUN 32/1	2000	54.5	64.2	70.6	74.7	75.7	74.3	71.9	68.8	65.1	61.7								
TAPE	2500	52.2	63.7	70.8	74.8	76.2	75.3	74.2	70.3	66.2	62.6								
FAN TIP SPEED 775. FT/SEC	3150	50.1	63.3	70.3	73.7	75.7	75.1	73.6	69.9	65.5	61.7								
	4000	46.9	60.3	68.2	71.6	74.1	73.5	72.4	68.7	64.3	60.8								
	5000	43.4	57.8	65.9	69.6	71.7	72.4	72.2	67.9	63.4	60.3								
	6300	37.2	53.9	62.9	67.7	69.7	70.8	70.6	66.4	62.0	59.3								
	8000	28.4	47.8	58.0	63.5	66.7	67.5	67.4	64.5	59.6	57.0								
	10000	14.6	39.3	51.3	58.0	61.5	63.1	63.3	60.2	55.2	52.2								
OVERALL CALCULATED		76.3	81.1	85.4	87.9	88.9	89.1	88.0	86.1	84.0	82.2								
PNDB		78.8	88.4	93.0	98.5	100.1	99.8	98.3	95.2	91.3	87.9								
	50	79.7	83.7	88.3	89.1	87.9	90.6	90.3	88.6	87.8	86.9								
	63	77.2	79.1	81.1	82.7	83.3	84.0	82.2	80.3	78.0	76.6								
SIDELINE 200. Ft. (60.96 M)	80	81.2	82.9	83.3	83.8	85.9	87.4	87.3	86.2	84.9	82.2								
	100	79.3	83.3	84.9	85.0	85.4	86.4	86.8	86.2	84.3	83.4								
	125	74.6	77.1	81.5	83.2	82.8	82.8	81.5	81.1	79.5	77.4								
	160	70.8	73.5	75.9	76.3	77.0	77.0	76.7	75.3	73.2	70.3								
	200	70.8	74.3	77.8	79.0	79.1	78.4	77.6	76.2	73.9	71.7								
	250	69.6	74.2	78.9	80.9	80.8	80.6	78.5	77.2	74.3	72.1								
	315	67.3	72.8	79.0	81.0	81.9	81.3	79.7	77.6	73.9	71.0								
	400	66.6	72.8	79.4	82.2	82.8	82.5	80.7	78.3	74.6	71.2								
	500	64.3	71.4	77.5	80.8	82.0	81.1	79.3	77.5	73.5	70.2								
	630	65.5	73.5	78.9	82.1	82.1	80.8	79.0	76.7	73.4	69.8								
	800	70.4	77.8	83.2	87.2	86.5	87.4	84.9	81.6	77.3	72.2								
	1000	70.7	78.5	83.3	86.6	87.3	85.3	82.8	80.8	76.2	72.3								
	1250	71.0	79.2	83.3	86.8	88.8	86.1	83.7	80.7	77.0	72.9								
	1600	74.1	81.8	86.2	89.0	91.1	88.4	86.0	82.5	79.0	75.0								
	2000	71.2	78.4	83.4	86.6	87.1	85.5	82.9	79.7	76.0	72.8								
	2500	69.8	78.5	84.0	87.1	88.0	87.7	85.4	81.5	77.4	74.1								
	3150	68.9	79.0	84.3	86.6	88.0	87.1	85.3	81.6	77.2	73.6								
	4000	67.7	77.4	83.1	85.4	87.2	86.1	84.8	81.0	76.7	73.4								
	5000	65.4	75.6	81.5	83.8	85.2	85.4	85.0	80.6	76.2	73.3								
	6300	62.5	74.0	80.3	83.5	84.6	85.1	84.6	80.3	75.9	73.6								
	8000	58.9	71.5	78.1	81.6	83.6	83.7	83.2	80.1	75.4	73.1								
	10000	52.3	67.9	75.2	79.3	81.2	81.9	81.8	78.3	73.4	70.9								
OVERALL CALCULATED		87.4	92.2	96.3	98.6	99.5	99.2	97.9	95.8	93.1	91.2								
PNDB		84.8	89.2	93.4	95.8	97.1	97.4	96.0	93.8	91.7	89.5								

ORIGINAL PAGE IS  
OF POOR QUALITY



		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	
	50	70.9	76.7	80.4	82.6	81.3	83.4	83.8	81.4	80.6	78.4						
	63	68.9	71.9	73.6	75.4	76.9	77.2	75.1	73.5	71.4	70.0						
SIDELINE 500. FT.	80	72.3	75.0	76.0	76.9	78.6	80.2	80.1	78.8	77.2	74.7						
(152.40 M)	150	70.4	75.6	77.5	77.9	78.1	79.7	80.0	79.9	77.5	76.5						
NFA	125	65.1	68.7	73.4	76.1	75.7	75.3	74.8	74.2	72.3	70.3						
(267. RPM)	160	61.3	65.6	68.4	69.1	69.9	70.3	69.3	68.2	66.3	64.1						
NPK	200	60.7	65.7	69.6	71.4	71.7	71.7	70.4	69.0	66.9	64.9						
(272. RAD/SEC)	250	58.9	64.6	70.5	72.6	73.2	72.9	71.4	69.6	67.2	65.2						
NPD	315	56.3	63.3	70.1	72.8	73.7	73.0	71.4	69.4	66.4	63.7						
(344. RPM)	400	54.9	62.1	70.5	74.7	74.9	74.5	73.2	70.7	66.7	63.5						
(340. RAD/SEC)	500	52.0	60.9	67.6	72.1	73.6	73.0	71.8	69.7	66.0	62.5						
AIRFLOW RATIO	630	57.0	66.4	71.7	76.5	76.1	75.2	73.1	70.3	66.7	62.7						
WF/WH 12:60	800	58.3	67.5	73.0	77.6	78.7	77.4	74.8	72.3	68.1	63.7						
VEHICLE UTHS/M	1000	58.6	68.4	73.2	77.9	78.2	78.0	75.4	72.7	69.2	64.3						
CONFIG CO4	1250	58.6	68.6	74.3	78.8	79.5	79.1	76.5	73.6	69.8	65.4						
LOC SCHENECTADY	1600	59.1	68.7	74.1	78.8	79.0	78.4	76.2	73.0	69.3	65.7						
DATE 7/7/75	2000	55.4	66.9	72.3	76.4	77.6	78.5	76.7	73.0	69.1	64.9						
RUN 32/2	2500	53.5	66.8	72.8	76.4	78.3	78.2	76.3	73.4	68.7	65.2						
TAPE	3150	52.2	65.3	71.7	75.4	76.9	77.4	75.8	72.8	68.4	65.0						
FAN T/F SPEED	4000	47.8	61.6	68.4	72.9	74.4	74.6	74.6	71.1	67.3	64.0						
827. FT/SEC	5000	44.3	60.2	67.9	72.0	73.9	74.6	74.3	71.1	67.2	64.4						
	6300	38.7	56.5	64.3	69.3	71.9	72.2	72.4	69.9	65.8	63.3						
	8000	29.1	49.8	59.9	65.6	68.3	70.0	69.5	67.1	62.8	60.0						
	10000	11.9	39.9	51.8	57.9	61.9	63.7	65.1	61.1	57.9	54.4						
OVERALL CALCULATED		77.8	83.0	86.8	89.8	90.4	90.8	89.7	87.8	85.5	83.3						
PND8		80.2	90.7	96.5	100.3	101.8	101.9	100.5	97.8	93.9	90.7						
	50	80.7	85.7	89.0	91.1	89.6	91.6	91.3	89.6	88.8	86.7						
	63	79.0	81.1	82.4	84.0	85.3	85.5	83.4	81.8	79.7	78.3						
SIDELINE 200. FT.	80	82.7	84.4	85.0	85.6	87.2	88.7	88.6	87.2	85.6	83.2						
(60.96 M)	100	81.0	85.3	86.7	86.8	86.9	88.4	88.5	86.4	86.1	85.2						
	125	76.1	78.6	82.8	85.2	84.5	84.1	83.5	82.9	81.0	79.1						
	160	72.6	75.7	77.9	78.3	79.0	79.2	78.2	77.1	75.2	73.0						
	200	72.3	76.1	79.3	80.7	80.9	80.7	79.4	78.0	75.9	74.0						
	250	70.9	75.4	80.4	82.1	82.5	82.1	80.5	78.7	76.3	74.4						
	315	68.6	74.3	80.3	82.5	83.2	82.3	80.7	78.6	75.7	73.6						
	400	67.6	73.3	80.9	84.7	84.5	84.0	82.7	80.1	76.1	73.0						
	500	65.0	72.4	78.3	82.3	83.5	82.6	81.3	79.3	75.5	72.2						
	630	70.5	78.3	82.7	86.9	86.1	85.1	82.8	80.0	76.4	72.6						
	800	72.3	79.8	84.2	88.2	88.9	87.4	84.7	82.2	78.0	73.7						
	1000	73.2	81.0	84.7	88.7	89.7	88.3	85.6	82.8	79.4	74.6						
	1250	73.7	81.9	86.2	90.0	90.3	89.6	86.9	83.9	80.2	75.9						
	1600	75.0	82.3	86.5	90.4	90.1	89.2	86.9	83.6	80.0	76.5						
	2000	72.1	81.1	85.1	88.4	89.2	89.7	87.6	83.9	80.1	76.0						
	2500	71.0	81.6	86.0	88.7	90.1	89.6	87.6	84.6	80.0	77.0						
	3150	71.0	81.0	85.6	88.3	89.7	89.3	87.5	84.5	80.1	76.9						
	4000	68.6	78.7	83.4	86.7	87.5	87.2	87.0	83.4	79.7	76.6						
	5000	66.2	78.0	83.5	86.3	87.4	87.7	87.1	83.8	80.0	77.4						
	6300	64.1	76.6	81.7	85.1	86.7	86.4	86.4	83.8	79.8	77.6						
	8000	59.6	73.4	80.0	83.7	85.1	85.1	85.2	82.7	78.6	76.2						
	10000	49.8	68.5	75.8	79.2	81.6	82.4	83.4	79.2	76.2	73.2						
OVERALL CALCULATED		88.9	94.1	97.7	100.5	101.0	101.0	99.8	97.5	94.9	92.5						
PND8		84.8	92.4	96.8	100.7	101.4	101.5	100.2	97.8	94.8	92.4						

## Run 32/Reading 3

PAGE 1 PULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 MR. 1968																	
		MODEL SOUND PRESSURE LEVELS (59. DEC. P. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PHL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL	17. FT.																		
	1 5. M)	100	98.8	95.8	88.8	85.3	86.8	88.0	88.3	88.8	87.8	86.3							124.0
VEHICLE	UTMSIM	125	89.0	97.3	95.0	94.5	93.5	94.0	93.0	91.8	91.0	91.0							127.8
CONFIG	CO4	160	101.8	105.0	104.5	105.0	103.0	98.5	95.8	94.8	93.8	94.0							134.8
LOC	SCHENECTADY	200	99.5	100.0	98.7	98.7	98.2	97.2	95.0	93.0	91.0	90.0							130.3
DATE	7/7/75	250	103.7	102.7	101.2	100.2	100.2	100.2	100.0	98.5	96.2	94.0							133.5
RUN	32/3	315	102.7	104.2	104.0	102.2	101.2	100.8	100.7	99.5	98.2	97.0							134.8
TAPE		400	97.8	97.8	99.5	99.7	98.5	97.5	95.5	94.8	92.5	91.2							130.8
BAR	29.6 HG	530	94.8	95.0	94.8	94.0	93.2	92.5	90.5	89.5	87.2	85.5							125.8
	(99.556. N/M2)	630	94.3	95.3	96.0	95.8	95.0	93.8	92.0	90.5	88.0	86.5							127.0
TAMB	91. DEG F	800	94.0	94.0	96.3	97.3	96.0	94.8	92.5	90.8	88.5	87.0							127.8
	(306. DEG K)	1000	91.5	92.8	95.8	97.3	96.2	95.1	92.8	90.5	88.0	85.5							127.4
T-ET	73. DEG F	1250	90.8	91.8	97.3	99.5	98.7	97.1	94.3	92.1	88.8	86.0							129.2
	(296. DEG K)	1600	88.8	92.1	94.3	97.3	96.5	95.4	93.4	91.9	87.7	84.8							127.4
HACT	14.97 GM/MS	2000	91.3	93.3	94.5	98.5	96.7	95.1	92.4	90.7	87.0	84.1							127.8
	(1.01497 KG/MS)	2500	94.3	96.8	97.0	100.7	98.7	96.4	93.9	91.4	88.2	85.1							129.8
NFA	10046. RPM	3150	97.7	100.1	101.0	103.4	102.9	100.3	97.1	95.0	90.9	87.3							133.2
	(1052. RAD/SEC)	4000	98.7	101.3	101.9	104.1	104.1	101.8	98.6	95.4	91.9	87.8							134.2
NFK	9750. RPM	5000	99.1	102.0	102.6	104.7	104.2	102.2	99.0	96.1	93.3	88.9							134.8
	(1021. RAD/SEC)	6300	101.4	103.9	104.6	107.0	106.7	104.4	99.8	96.2	93.7	91.2							136.9
NFD	11517. RPM	8000	98.2	101.8	103.4	103.7	103.7	103.0	101.0	97.4	93.9	90.1							135.1
	(1206. RAD/SEC)	10000	98.8	103.0	104.5	104.6	104.6	104.3	102.2	98.9	94.9	91.3							136.3
NO. OF BLADES	18	12500	98.5	102.6	103.6	103.9	103.7	102.9	101.8	97.1	93.9	91.2							135.8
FAN TIP SPEED		16000	97.6	101.0	102.8	103.3	102.4	101.7	101.4	97.1	93.6	91.0							139.1
	87. FT/SEC	20000	94.5	100.2	102.4	102.8	101.7	101.9	101.3	97.4	93.9	91.8							139.3
		25000	94.7	99.5	101.9	102.3	102.0	101.2	100.5	97.5	93.6	92.0							139.5
		31500	92.5	98.0	101.2	101.2	100.4	100.7	99.7	96.7	92.7	91.2							135.4
		40000	86.8	95.3	98.1	98.8	98.7	97.7	97.9	93.5	90.9	88.9							134.4
		50000	81.2	92.2	93.9	94.5	95.5	94.6	95.4	89.6	87.7	85.0							132.8
		63000	77.9	85.0	86.5	87.0	88.3	88.1	88.0	82.3	81.9	78.7							128.4
		80000	81.8	82.1	81.9	82.8	82.9	83.1	83.3	80.5	82.8	80.7							128.8
	OVERALL MEASURED																		
	OVERALL CALCULATED	112.4	114.5	115.3	116.2	115.6	114.3	112.6	109.7	106.9	104.9								147.8
	PND8	123.2	125.3	126.0	127.8	127.3	125.4	122.5	119.9	116.9	114.2								

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F = 70 PERCENT REL. HUM. LAT)															
		ANGLES FROM INLET IN DEGREES (AND RADIAN)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	
	50	71.9	79.5	81.8	83.9	83.1	79.4	77.9	76.2	75.0	74.9						
	63	69.2	74.1	75.6	77.4	78.1	77.9	76.1	74.2	72.1	70.7						
SIDELINE 500. FT.	80	72.8	76.5	77.8	78.6	79.9	80.7	80.9	79.5	77.1	74.4						
(152.40 M)	100	71.4	77.6	80.2	80.4	80.6	81.0	81.5	80.4	78.9	77.2						
NFA 2830. RPM	125	65.3	70.7	75.4	77.6	77.7	77.6	76.0	75.4	73.0	71.3						
( 296. RAD/SEC)	160	62.3	67.6	70.4	71.6	72.2	72.3	70.8	70.0	67.5	65.3						
NFK 2746. RPM	200	61.2	67.4	71.3	73.1	73.7	73.4	72.1	70.8	68.1	66.1						
( 288. RAD/SEC)	250	60.4	65.8	71.2	74.3	74.5	74.2	72.4	70.8	68.4	66.4						
NFD 3244. RPM	315	57.3	64.1	70.4	74.0	74.4	74.2	72.4	70.4	67.7	64.6						
( 340. RAD/SEC)	400	55.9	62.6	71.5	76.0	76.7	76.0	73.7	71.7	68.2	64.9						
AIRFLOW RATIO	500	53.2	62.4	68.1	73.4	74.1	74.0	72.5	71.2	66.9	63.4						
WF/W 12.60	630	58.0	66.6	70.5	76.5	76.1	74.7	72.8	70.6	67.2	63.4						
	800	60.6	69.3	74.0	78.8	79.9	78.4	75.8	73.8	69.6	65.4						
VEHICLE UTMSIM	1000	60.6	69.9	74.5	79.1	80.8	79.5	76.9	74.0	70.2	65.5						
CONFIG 004	1250	60.1	69.9	74.6	79.3	80.5	79.6	77.0	74.3	71.3	66.3						
LOC SCHENECTADY	1600	61.1	70.9	75.9	81.1	82.5	81.4	77.2	74.0	71.3	66.2						
DATE 7/7/75	2000	56.6	67.9	74.0	77.2	79.0	79.5	78.2	74.8	71.1	66.6						
RUN 32/3	2500	56.0	68.3	74.5	77.6	79.6	80.5	79.1	75.9	71.7	67.5						
TAPE	3150	53.7	66.6	72.7	76.1	77.9	78.4	77.8	73.6	70.1	66.7						
FAN TIP SPEED	4000	49.8	63.2	70.4	74.4	75.7	76.4	76.9	72.8	69.1	65.7						
877. FT/SEC	5000	45.3	61.5	69.5	73.5	74.7	76.4	76.6	72.9	69.2	66.1						
	6300	40.5	57.5	66.6	71.1	73.4	74.2	74.5	71.7	67.6	65.1						
	8000	30.7	51.1	62.2	67.1	69.3	71.5	71.5	68.9	64.6	62.0						
	10000	14.2	41.5	54.1	60.7	64.2	65.5	67.0	63.0	60.0	56.7						
OVERALL CALCULATED		78.6	85.0	88.3	91.2	92.0	91.5	90.2	88.1	85.4	83.1						
PND8		81.8	92.2	98.1	101.7	103.2	103.5	102.2	99.3	95.6	92.1						

	50	81.7	88.5	90.3	92.3	91.4	87.6	85.3	84.4	83.3	83.1					
	63	79.2	83.3	84.4	86.0	86.5	86.3	84.4	82.6	80.4	79.0					
SIDELINE 200. FT.	80	83.2	85.9	86.8	87.3	88.4	89.2	89.3	88.0	85.6	82.9					
( 60.96 M)	100	82.0	87.3	89.4	89.3	89.4	89.6	90.0	88.9	87.5	85.9					
	125	76.8	80.6	84.8	86.7	86.5	86.3	84.7	84.1	81.7	80.0					
	160	73.6	77.7	79.9	80.8	81.2	81.3	79.7	78.8	76.4	74.2					
	200	72.8	77.8	81.1	82.5	82.9	82.4	81.1	79.7	77.1	75.2					
	250	72.4	76.4	81.2	83.9	83.8	83.4	81.5	79.9	77.5	75.6					
	315	69.6	75.0	80.5	83.8	83.9	83.5	81.7	79.6	76.9	74.0					
	400	68.6	73.8	81.9	85.9	86.3	85.5	83.2	81.1	77.6	74.4					
	500	66.3	73.9	78.8	83.5	84.0	83.6	82.1	80.5	76.5	73.1					
	630	71.5	78.5	81.4	86.9	86.1	84.6	82.6	80.3	76.9	73.3					
	800	74.6	81.5	85.2	89.5	90.2	88.5	85.7	83.7	79.5	75.4					
	1000	75.2	82.5	86.0	90.0	91.2	89.8	87.1	84.0	80.3	75.8					
	1250	75.2	82.9	86.5	90.5	91.3	90.1	87.4	84.6	81.6	76.8					
	1600	77.0	84.5	88.2	92.6	93.6	92.2	87.9	84.8	81.9	79.0					
	2000	73.3	82.1	86.8	89.1	90.5	90.7	89.1	85.7	82.1	77.7					
	2500	73.6	83.1	87.7	90.0	91.3	91.9	90.3	87.1	83.0	78.9					
	3150	72.5	82.3	86.6	89.0	90.2	90.3	89.6	85.2	81.9	78.6					
	4000	70.7	80.2	85.4	88.2	88.8	89.0	89.2	85.1	81.5	78.3					
	5000	67.3	79.3	85.0	87.8	88.2	89.4	89.4	85.6	81.9	79.1					
	6300	65.9	77.6	84.0	86.9	88.3	88.5	88.4	85.6	81.6	79.4					
	8000	61.2	74.7	82.4	85.2	86.2	87.7	87.3	84.5	80.4	78.2					
OVERALL CALCULATED	10000	52.0	70.1	78.1	82.1	84.0	84.3	85.2	81.1	78.2	75.5					
		89.9	95.9	99.2	101.9	102.6	102.1	100.8	98.2	95.3	92.8					

ORIGINAL PAGE IS OF POOR QUALITY



## Run 32/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 NR. 16.8																	
		MODEL SOUND PRESSURE LEVEL (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.78)	(1.05)	(1.40)	(1.75)	(2.22)	(2.85)	(3.63)	(4.61)	(5.85)	(7.41)	(9.35)	(11.71)	(14.54)	(17.91)	(21.87)	
RADIAL	17. FT.	50																	
		63																	
		80																	
VEHICLE	5. M)	100	99.0	96.3	88.0	85.8	86.8	87.8	87.5	87.8	87.0	85.8							124.0
CONFIG	UTNSIM	125	99.5	97.5	95.5	95.5	94.5	95.0	94.3	92.5	90.5	90.5							128.3
LOC	CO4	150	99.3	100.8	100.0	100.3	100.5	97.8	96.8	95.5	93.5	92.8							131.8
DATE	SCHENECTADY	200	100.2	100.7	99.7	99.2	100.5	98.5	96.5	95.2	93.0	91.7							131.6
RUN	7/7/75	250	104.2	103.7	103.0	101.5	101.2	101.2	100.2	99.0	97.0	94.2							134.4
	32/4	315	103.7	105.0	105.0	103.7	102.2	102.0	101.5	100.5	98.5	97.7							135.8
TAPE		400	97.5	98.8	100.5	101.0	99.7	98.8	97.3	96.0	94.0	92.5							131.8
BAR	29.6 HG	500	93.8	95.8	96.3	95.5	94.5	93.8	92.0	90.5	88.7	86.8							126.9
	199856. N/M2)	630	93.8	96.0	96.5	96.3	95.5	94.8	93.5	91.8	89.0	87.5							127.7
TAMB	94. DEG F	800	92.0	94.3	96.8	97.5	96.2	95.6	92.8	91.5	89.5	88.0							127.9
	(309. DEG K)	1000	92.5	93.5	96.5	97.8	96.7	95.8	94.0	92.0	89.0	86.5							128.2
THET	74. DEG F	1250	90.5	92.8	97.5	99.8	99.0	97.0	95.3	93.3	89.5	87.0							129.7
	(296. DEG K)	1500	89.8	92.8	95.3	97.8	98.0	96.4	94.5	92.6	89.3	86.3							128.4
HACT	15.04 GM/M3	2000	90.5	94.6	94.8	98.5	97.5	95.9	93.4	91.9	88.7	85.6							128.3
	(0.1504 KG/M3)	2500	94.0	97.3	97.5	99.7	98.7	96.9	94.4	92.2	88.7	85.6							129.7
NFA	10643. RPM	3150	98.5	101.8	101.8	103.7	103.9	101.1	97.6	95.2	91.4	88.6							133.9
	(1114. RAD/SEC)	4000	99.9	102.5	102.7	104.1	104.8	103.0	99.3	96.2	92.9	89.5							135.0
NFK	10301. RPM	5000	100.6	103.2	103.9	104.5	105.2	102.7	100.8	97.1	93.8	90.0							135.8
	(1079. RAD/SEC)	6300	101.6	104.1	105.1	106.5	106.7	104.2	101.6	97.5	94.4	91.5							137.0
NFD	11517. RPM	8000	99.4	103.8	103.7	104.7	104.2	103.8	101.5	97.9	94.2	90.8							135.9
	(1206. RAD/SEC)	10000	99.6	104.3	105.2	105.4	105.2	104.8	103.0	99.9	95.1	92.8							137.0
NO. OF BLADES	18	12500	99.7	104.1	104.9	104.9	105.2	104.4	102.3	99.3	94.9	92.7							138.9
FAN TIP SPEED		16000	98.1	102.1	103.3	103.9	103.4	102.9	102.6	97.9	94.6	92.7							138.1
	929. FT/SEC	20000	96.3	101.5	103.1	103.6	103.2	103.2	103.1	98.6	95.2	93.4							138.6
		25000	96.0	100.8	102.4	103.1	102.8	102.5	101.8	98.8	95.4	94.3							136.6
		31500	93.9	99.8	101.5	102.3	101.4	102.3	101.2	98.2	94.5	93.0							138.7
		40000	87.4	96.9	99.2	99.4	99.5	98.8	99.8	95.6	92.5	91.0							135.6
		50000	81.8	93.8	94.6	95.8	96.9	95.5	97.0	91.5	89.3	87.2							134.1
		63000	79.1	86.7	88.7	88.1	90.3	89.1	90.2	84.2	83.4	80.2							138.0
		80000	82.1	82.9	82.4	83.3	84.0	83.9	83.8	80.8	83.1	81.0							129.4
OVERALL MEASURED																			
OVERALL CALCULATED			112.9	115.3	115.9	116.4	116.3	115.2	113.7	110.8	107.8	105.9							148.5
PNDB			123.6	126.1	126.6	127.7	127.7	126.1	123.5	120.7	117.6	114.9							

Run 32/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 17 HR. 16.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.						
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)						
SIDELINE 500. FT. (152.40 M)	50	69.4	75.2	77.1	79.1	80.6	78.6	78.0	76.9	74.8	73.6	63	69.9	74.9	76.6	77.9	80.4	79.2	77.6	76.5	74.1	72.4
NFA 2998 RPM (314. RAD/SEC)	100	72.4	78.3	81.2	81.9	81.6	82.2	82.2	81.4	79.2	78.0	125	65.6	71.7	76.4	78.9	78.9	78.8	77.8	76.7	74.5	72.5
NFK 2902 RPM (304. RAD/SEC)	160	61.3	68.3	71.9	73.1	73.4	73.6	72.3	71.0	69.0	66.6	200	60.7	68.2	71.8	73.6	74.2	74.4	73.6	72.1	69.1	67.1
NFD 3244 RPM (340. RAD/SEC)	250	58.4	66.0	71.7	74.6	74.7	74.9	72.7	71.6	69.4	67.4	315	58.3	64.8	71.1	74.5	74.9	75.0	73.7	71.9	68.7	65.6
AIRFLOW RATIO	400	55.6	63.6	71.8	76.2	76.9	76.5	74.7	72.9	68.9	65.9	500	54.2	63.2	69.1	73.9	75.6	75.0	73.3	72.0	68.4	64.9
NF/WM 12:60	630	54.2	64.4	68.2	74.3	74.8	74.2	72.3	71.0	67.7	63.9	800	56.8	66.5	70.5	75.1	75.7	74.9	73.0	71.0	67.3	63.6
VEHICLE CONFIG	1000	60.4	70.4	74.3	78.7	80.6	78.8	75.9	73.7	69.7	66.3	1250	60.9	70.4	74.6	78.6	81.1	80.4	77.3	74.3	70.8	66.9
LOC SCHENECTADY	1600	60.3	70.2	75.1	78.5	81.0	79.6	78.3	74.9	71.3	66.8	2000	60.0	70.2	75.6	79.9	82.0	80.6	78.7	74.8	71.5	67.9
DATE 7/7/75	2500	56.5	69.0	73.6	77.6	79.0	79.8	78.2	74.8	70.9	66.9	3150	54.6	68.1	74.1	77.4	79.2	79.9	79.1	76.2	71.2	68.2
RUN 32/4	4000	51.6	65.9	72.2	75.7	78.2	78.7	77.5	74.7	70.0	67.0	5000	48.4	62.9	70.6	74.1	76.0	76.9	75.5	72.9	69.4	66.7
TAPE	6300	41.5	58.9	67.2	71.8	74.0	75.6	76.4	72.2	68.5	65.8	8000	33.2	52.9	62.6	68.1	70.8	72.8	70.1	66.4	64.2	61.5
FAN TIP SPEED	10000	20.0	44.7	56.2	62.8	65.6	68.7	68.9	66.3	62.2	59.5	OVERALL CALCULATED	78.5	84.8	88.3	90.8	92.2	91.9	90.8	88.8	86.0	83.6
929. FT/SEC	PND8	82.3	92.9	98.5	102.1	103.7	104.0	103.0	100.2	96.2	93.1											
	50	79.2	84.2	85.8	87.6	88.9	88.8	86.3	85.1	83.0	81.0											
SIDELINE 200. FT. (60.96 M)	63	80.0	84.1	85.4	86.5	88.8	87.5	85.9	84.8	82.4	80.8											
	80	83.7	88.9	88.5	88.6	89.4	90.2	89.6	88.5	86.3	83.2											
	100	83.0	88.0	90.4	90.8	90.4	90.9	90.8	89.9	87.8	86.6											
	125	76.6	81.6	85.8	87.9	87.8	87.6	86.5	85.4	83.2	81.3											
	160	72.6	78.5	81.4	82.3	82.5	82.5	81.2	79.8	77.9	75.5											
	200	72.3	78.6	81.6	83.0	83.4	83.4	82.6	81.0	78.1	76.2											
	250	70.4	76.7	81.7	84.1	84.0	84.1	81.8	80.7	78.5	76.6											
	315	70.6	75.8	81.3	84.3	84.4	84.3	82.9	81.1	77.9	75.0											
	400	68.3	74.9	82.2	86.2	86.6	86.0	84.2	82.3	78.3	75.4											
	500	67.3	74.7	79.8	84.0	85.5	84.7	82.9	81.5	78.0	74.6											
	630	67.7	76.2	79.2	84.7	84.9	84.1	82.0	80.7	77.4	73.8											
	800	70.9	78.8	81.7	85.7	86.0	85.0	82.9	80.9	77.3	73.7											
	1000	75.0	83.0	85.8	89.6	91.1	89.1	86.1	83.8	79.9	76.5											
	1250	76.0	83.5	86.5	89.8	91.8	89.9	86.1	83.8	79.9	76.5											
	1600	76.2	83.8	87.4	90.0	92.1	90.4	87.7	84.7	81.2	77.4											
	2000	76.7	84.4	88.4	91.9	93.4	91.7	89.7	85.7	82.5	79.0											
	2500	74.0	83.8	86.8	89.9	90.8	91.2	89.5	86.0	82.1	78.3											
	3150	73.4	83.6	88.0	90.3	91.5	91.6	90.8	87.8	82.9	80.1											
	4000	72.5	82.9	87.2	89.5	91.2	91.4	89.9	87.0	82.4	79.7											
	5000	70.4	80.7	85.5	88.4	89.5	90.0	90.3	85.7	82.2	79.8											
	6300	66.8	79.1	84.8	87.6	88.9	89.9	90.4	86.1	82.4	80.1											
	8000	63.7	76.6	82.7	86.2	87.7	88.5	88.5	85.7	82.2	80.4											
	10000	57.7	73.3	80.1	84.1	85.4	87.5	87.2	84.4	80.5	78.3											
OVERALL CALCULATED	90.0	96.1	99.4	101.8	102.9	102.6	101.5	99.0	95.8	93.4	90.4											
PND8	98.7	107.7	111.9	114.5	115.7	115.7	114.5	111.7	107.7	104.4	98.4											

## Run 32/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 16.9																
		MODEL SOUND PRESSURE LEVELS (99. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20	30	40	50	60	70	80	90	100	110	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	80																	
VEHICLE	UTMSIM	100	102.0	94.8	87.8	86.5	87.5	88.3	87.8	87.8	86.3	85.0						125.0
CONFIG	GO4	125	101.5	97.3	96.3	96.5	96.3	96.3	94.8	92.5	90.0	89.8						129.2
LOC	SCHENECTADY	160	101.0	98.3	98.5	98.5	98.8	97.5	97.0	94.8	93.0	92.0						130.6
DATE	7/7/75	200	103.0	103.7	104.5	103.2	103.0	100.7	99.0	96.5	94.5	93.5						134.7
RUN	32/5	250	106.0	106.0	105.7	104.5	103.5	102.2	101.7	99.7	97.2	95.2						136.4
TAPE		315	105.0	107.2	107.7	107.2	105.5	104.3	103.0	101.5	99.5	98.7						138.2
BAR	29.6 HG	400	99.3	101.5	103.0	103.2	102.7	101.8	99.3	98.3	95.7	94.0						134.3
	(99.56. N/M2)	500	95.3	97.8	99.0	98.3	97.2	96.5	94.8	93.0	90.5	88.5						129.5
TAMB	99. DEG F	630	95.3	97.5	99.0	99.0	98.5	97.3	95.5	93.0	91.0	89.0						130.0
	(310. DEG K)	800	93.5	95.5	97.3	98.0	97.0	96.3	94.5	93.0	90.8	89.3						128.9
TRET	75. DEG F	1000	92.3	94.5	97.3	98.5	97.5	97.1	94.8	92.8	89.5	88.5						129.0
	(297. DEG K)	1250	92.3	95.1	98.0	100.5	99.5	97.8	96.6	94.3	90.8	88.3						130.5
HACT	14.57 GH/M3	1600	90.8	95.1	96.0	97.5	98.5	97.4	95.9	93.4	90.0	88.3						129.2
	(0.01457 KG/M3)	2000	92.0	96.6	95.8	98.7	98.5	97.4	95.1	93.4	90.0	87.3						129.4
NFA	1835. RPM	2500	94.0	98.1	98.0	99.7	99.2	97.4	95.4	93.2	89.7	87.1						130.2
	(1239. RAD/SEC)	3150	98.5	102.1	102.5	102.4	103.4	101.6	98.1	95.5	91.7	89.1						133.9
NFK	1403. RPM	4000	101.7	104.5	104.2	104.3	106.1	104.0	101.1	97.7	93.9	90.5						136.2
	(1194. RAD/SEC)	5000	101.8	105.0	105.1	105.3	107.0	105.0	102.1	98.6	95.3	91.2						137.1
NFD	1517. RPM	6300	101.7	105.1	105.4	105.3	106.0	104.2	101.4	98.0	94.7	92.0						136.8
	(1206. RAD/SEC)	8000	102.0	106.1	106.4	106.2	108.7	105.5	103.5	99.4	95.4	93.1						137.8
NG. OF BLADES	18	10000	100.8	105.8	107.0	106.9	106.4	106.3	104.8	101.2	96.7	94.4						138.6
FAN TIP SPEED	1033. FT/SEC	12500	101.3	105.4	107.2	106.7	106.2	105.9	104.9	101.1	96.9	95.2						138.7
		16000	99.7	103.9	105.1	105.2	105.0	104.7	104.2	100.2	96.7	95.3						137.8
		20000	97.4	103.1	105.0	105.2	104.3	104.6	104.2	100.7	96.8	95.8						138.0
		25000	96.9	102.6	104.3	104.8	104.4	103.8	104.0	100.7	96.8	96.2						138.3
		31500	95.1	101.3	103.7	103.3	103.4	103.7	102.9	100.2	96.5	95.7						138.4
		40000	89.2	99.2	101.2	101.2	101.1	101.3	101.8	97.4	94.0	93.5						137.6
		50000	83.5	95.5	97.0	97.5	99.1	98.2	99.4	93.9	91.2	89.8						136.4
		63000	80.0	89.3	90.3	90.2	92.4	91.9	92.6	85.8	85.0	82.5						132.3
		80000	82.9	84.2	84.7	85.1	85.6	85.5	85.7	81.6	83.9	81.9						130.9
OVERALL MEASURED																		
OVERALL CALCULATED		114.4	116.9	117.7	117.7	117.5	116.7	115.4	112.2	109.0	107.4							150.1
PWDB		125.1	127.7	127.9	128.1	128.8	127.3	124.9	122.0	118.7	116.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
SIDELINE 500. FT. (152.40 M)	63	72.7	77.9	81.3	81.9	82.9	81.4	80.1	77.7	75.6	74.2
NFA 3334. RPM (349. RAD/SEC)	80	75.1	79.7	82.3	82.9	83.1	82.7	82.6	80.8	78.1	75.7
NFK 3212. RPM (336. RAD/SEC)	100	73.6	80.6	84.0	85.4	84.9	84.5	83.7	82.4	80.2	79.0
NFD 3244. RPM (340. RAD/SEC)	125	67.3	74.5	78.9	81.1	81.9	81.8	79.8	78.9	75.5	74.0
AIRFLOW RATIO NF/WH 12.60	150	62.8	70.3	74.6	75.9	76.2	76.3	75.1	73.5	70.8	68.3
VEHICLE CONFIG LOC SCHENECTADY	200	62.2	69.7	74.3	76.4	77.2	76.9	75.6	73.3	71.1	68.6
DATE 7/7/75	250	59.9	67.3	72.2	75.1	75.5	75.7	74.4	73.1	70.6	68.6
RUN 32/5	315	58.1	65.8	71.9	75.3	75.7	76.2	74.5	72.6	69.2	67.6
TAPE	400	57.4	65.9	72.3	77.0	77.4	76.7	76.0	73.9	70.2	67.2
FAN TIP SPEED 1033. FT/SEC	500	55.2	65.4	69.9	73.7	76.1	76.0	75.0	72.8	69.2	66.9
OVERALL CALCULATED	630	55.7	66.4	69.2	74.5	75.8	75.7	74.0	72.5	68.9	65.7
PND8	800	56.9	67.3	71.0	75.1	76.2	75.4	74.0	72.0	68.3	65.1
	1000	60.4	70.6	75.0	77.4	80.1	79.3	76.5	74.0	70.0	66.8
	1250	62.6	72.4	76.1	78.9	82.3	81.4	79.1	75.9	71.8	67.9
	1600	61.5	71.9	76.4	79.2	82.8	81.9	79.6	76.4	72.8	68.1
	2000	60.0	71.2	75.9	78.7	81.2	80.6	78.5	75.3	71.8	68.4
	2500	59.0	71.3	76.3	79.1	80.5	81.6	80.2	76.3	72.2	69.1
	3150	55.9	69.6	75.9	79.0	80.5	81.7	80.9	77.5	72.7	69.7
	4000	53.2	67.2	74.5	77.5	79.2	80.3	80.0	76.5	72.1	69.6
	5000	50.0	64.7	71.8	75.4	77.5	78.8	79.0	75.3	71.5	69.3
	6300	42.8	60.5	69.1	73.4	75.1	77.0	77.5	74.3	70.1	68.2
	8000	34.1	54.8	64.3	69.7	72.5	73.8	74.9	72.0	67.8	66.1
	10000	21.2	46.1	58.4	63.8	67.6	70.2	70.6	66.3	64.2	62.2
	OVERALL CALCULATED	80.3	86.6	90.4	92.4	93.6	93.4	92.4	90.0	86.9	84.8
	PND8	83.6	94.8	100.3	103.3	105.0	105.6	104.6	101.6	97.5	94.8
SIDELINE 200. FT. (60.96 M)	50	81.0	81.7	84.3	85.8	85.1	86.6	86.5	84.4	82.5	81.1
	63	82.7	87.1	90.1	90.5	91.3	89.8	88.4	86.1	83.9	82.5
	80	85.3	89.2	91.3	91.6	91.7	91.2	91.1	89.2	86.6	84.2
	100	84.3	90.3	93.2	94.3	93.6	93.1	92.3	90.9	88.8	87.6
	125	78.3	84.4	89.3	90.2	90.8	90.6	88.5	87.6	84.2	82.8
	160	74.1	80.5	84.2	85.1	85.2	85.3	83.9	82.3	79.6	77.2
	200	73.9	80.1	84.1	85.7	86.4	85.9	84.6	82.3	80.1	77.7
	250	71.9	77.9	82.2	84.6	84.8	84.9	83.5	82.2	79.7	77.8
	315	70.3	76.8	82.0	85.0	85.2	85.5	83.7	81.9	78.4	77.0
	400	70.1	77.1	82.7	86.9	87.1	86.2	85.4	83.3	79.6	76.7
	500	68.3	76.9	80.6	83.8	86.0	85.7	84.6	82.3	78.7	76.6
	630	69.2	78.2	80.2	84.9	85.9	85.6	83.8	82.2	78.6	75.5
	800	70.9	79.5	82.2	85.7	86.5	85.5	83.9	81.9	78.3	75.2
	1000	75.0	83.3	86.5	88.3	90.6	89.6	86.6	84.1	80.1	77.1
	1250	77.8	85.3	88.0	90.1	93.1	91.9	89.4	86.2	82.2	78.4
	1600	77.4	85.6	88.7	90.8	93.8	92.7	90.2	87.0	83.5	78.9
	2000	76.7	85.4	88.7	90.6	92.7	91.7	89.4	86.2	82.8	79.5
	2500	76.6	86.0	89.6	91.4	92.3	93.0	91.5	87.5	83.4	80.6
	3150	74.7	85.3	89.8	91.9	92.8	93.6	92.6	89.1	84.5	81.6
	4000	74.0	84.2	89.5	91.3	92.3	92.9	92.4	88.8	84.5	82.2
	5000	72.0	82.5	87.4	89.7	91.0	91.8	91.8	88.0	84.3	82.4
	6300	67.9	80.7	86.5	89.2	90.0	91.3	91.5	88.2	84.0	82.5
	8000	64.6	78.5	84.6	87.8	89.3	89.9	90.7	87.6	83.5	82.3
	10000	58.9	74.7	82.3	85.1	87.3	89.0	88.9	86.4	82.5	81.0
	OVERALL CALCULATED	91.6	97.8	101.3	103.1	104.2	104.1	103.0	100.3	96.9	94.9
	PND8	94.1	100.7	104.4	106.2	107.3	107.2	106.1	103.3	99.9	97.9

ORIGINAL PAGE IS OF POOR QUALITY

## Run 32/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 17 HR. 18.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
		50																
		63																
RADIAL	17. FT.	80																
VEHICLE	(5. M)	100	97.3	87.8	81.5	83.8	86.0	87.8	88.5	89.0	88.5	87.6						122.5
CONFIG	UTMSIM	125	102.5	99.8	101.5	101.0	98.5	99.5	98.5	95.0	93.5	94.6						132.4
LOC	GO4	160	101.5	100.0	102.0	101.3	98.8	99.5	98.8	96.0	94.8	94.6						132.6
DATE	SCHENECTADY	200	97.5	93.7	93.7	94.2	94.5	94.5	92.5	90.2	88.0	87.3						126.6
RUN	7/7/75	250	101.2	97.5	95.7	95.5	96.0	97.7	97.0	96.0	94.5	92.5						130.1
TAPE	32/6	315	99.5	97.7	97.0	95.5	94.7	95.8	96.0	95.2	93.8	93.3						129.4
BAR	29.6 HG	400	96.0	92.5	94.2	94.0	92.5	92.0	90.0	89.8	88.0	86.3						125.4
	(99.56. N/M2)	500	92.3	88.5	88.3	87.8	86.7	86.5	85.5	84.3	82.0	80.3						120.2
TAMB	89. DEG F	630	92.5	90.8	91.3	91.0	89.7	88.8	87.3	85.3	83.3	81.8						122.3
	(305. DEG K)	800	91.3	91.0	92.8	93.5	92.0	90.8	88.8	86.5	84.3	82.3						123.8
TACT	74. DEG F	1000	89.8	89.8	91.8	93.0	92.7	91.3	89.5	87.0	83.0	80.8						123.7
	(296. DEG K)	1250	89.3	89.6	93.3	94.3	94.0	93.1	91.1	88.3	84.0	81.6						124.9
HACT	1.48 GM/M3	1600	86.8	88.3	92.5	94.3	93.2	92.1	90.9	88.4	83.8	81.1						124.4
	(1.0648 KG/M3)	2000	87.5	90.8	94.0	95.5	93.0	91.6	89.1	87.2	84.0	79.9						124.7
NFA	8297. RPM	2500	92.3	95.6	98.8	99.7	97.2	96.1	94.4	91.9	87.3	83.1						129.2
	(869. RAD/SEC)	3150	92.0	95.1	96.8	99.7	98.2	96.1	92.9	90.0	86.2	82.6						128.8
NPK	8067. RPM	4000	92.4	95.5	97.7	100.1	99.1	96.5	94.6	91.2	87.6	84.1						129.8
	(845. RAD/SEC)	5000	98.1	102.5	103.9	105.0	104.0	101.5	97.3	93.9	92.1	87.3						134.8
NFD	11517. RPH	6300	92.6	95.9	97.8	100.3	98.2	95.9	93.4	89.4	86.5	83.5						129.3
	(11286. RAD/SEC)	8000	93.2	96.8	98.9	100.2	99.2	98.7	96.2	91.9	87.4	84.9						130.6
NO. OF BLADES	18	10000	92.3	97.7	99.4	100.1	99.9	98.3	95.7	91.8	86.9	84.6						130.9
FAN TIP SPEED	724. FT/SEC	12500	92.4	96.5	98.3	98.8	98.9	97.1	95.5	91.5	87.3	84.4						130.1
		16000	91.3	95.5	97.2	97.8	97.1	96.6	95.3	90.8	86.8	84.2						129.5
		20000	88.6	94.9	96.5	97.5	96.8	96.3	95.2	91.0	86.6	84.3						129.6
		25000	88.1	93.0	95.2	96.4	96.1	95.0	94.1	90.3	85.3	83.9						129.1
		31500	85.8	91.7	94.2	94.7	94.1	94.0	93.2	89.2	84.8	82.5						128.7
		40000	79.6	88.6	91.2	91.5	91.3	90.8	90.5	86.1	82.3	79.8						127.1
		50000	75.4	85.0	86.4	87.0	88.2	87.3	87.6	82.1	78.4	75.6						125.2
		63000	76.0	79.3	79.8	80.3	82.4	81.7	81.6	76.6	72.3	69.1						122.8
		80000	80.8	81.1	80.9	81.6	82.0	81.9	82.4	79.5	71.9	69.9						126.8
OVERALL MEASURED																		
OVERALL CALCULATED		109.9	110.0	111.6	112.4	111.3	110.3	108.6	105.7	103.2	101.9							143.5
PND8		120.3	122.6	124.2	125.3	124.1	122.4	119.6	116.7	114.1	110.8							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
	50	71.2	74.5	79.1	80.1	78.8	80.4	80.0	77.4	76.1	75.4
	63	67.2	67.9	70.6	72.9	74.4	75.2	73.6	71.5	69.1	68.0
SIDELINE 500. FT.	80	70.3	71.2	72.3	73.9	75.6	78.2	77.9	77.0	75.4	73.0
(152.40 M)	100	68.1	71.1	73.2	73.6	74.1	78.0	76.7	76.1	74.5	73.5
NFA (2337. RPM)	125	64.1	65.5	70.2	71.9	71.7	72.1	70.5	70.4	68.6	66.3
(245. RAD/SEC)	160	59.8	61.1	63.9	65.4	65.7	66.3	65.8	64.7	62.3	60.1
NFK 2272. RPM	200	59.5	62.9	68.6	68.4	68.5	69.4	67.4	65.6	63.4	61.4
(238. RAD/SEC)	250	57.7	62.8	67.7	70.6	70.5	70.2	68.7	66.6	64.2	61.7
NFD 3244. RPM	315	55.5	61.1	66.4	69.8	70.9	70.5	69.2	66.9	62.7	59.7
(340. RAD/SEC)	400	54.4	60.4	67.5	70.7	71.9	72.0	70.5	67.9	63.5	60.5
AIRFLOW RATIO	500	52.0	61.2	67.9	71.6	70.9	70.7	70.0	67.7	63.2	59.7
WF/WH 12.60	630	56.0	65.4	72.2	75.5	74.6	74.5	73.3	71.1	66.2	61.5
	800	54.8	64.3	69.8	75.1	75.2	74.2	71.5	68.8	64.9	60.7
VEHICLE UTHS/M	1000	54.4	64.1	70.2	75.1	75.7	74.3	72.9	69.7	66.0	61.8
CONFIG GO4	1250	59.1	70.3	75.8	79.6	80.3	78.9	75.3	72.1	70.1	64.6
LOC SCHENECTADY	1600	52.4	62.9	68.9	74.3	74.0	72.9	71.0	67.2	64.1	60.5
DATE 7/7/75	2000	51.6	62.9	69.5	73.7	74.5	75.3	73.4	69.3	64.6	61.4
RUN 32/6	2500	49.5	63.1	69.5	73.1	74.8	74.4	72.6	68.9	63.7	60.8
TAPE	3150	47.6	60.6	67.4	71.1	73.1	72.6	71.8	68.0	63.6	60.0
FAH TIP SPEED	4000	43.5	57.6	64.9	68.9	70.4	71.3	70.8	66.5	62.3	58.9
724. FT/SEC	5000	39.4	56.1	63.6	68.2	69.9	70.8	70.5	66.5	61.8	58.9
	6300	33.9	51.1	60.0	65.2	67.5	68.0	68.1	64.6	59.2	57.0
	8000	23.9	44.8	55.2	60.6	63.1	64.8	65.0	61.4	56.6	53.4
	10000	7.1	34.9	47.3	53.4	56.9	58.6	59.6	55.6	51.4	47.7
OVERALL CALCULATED		76.6	80.0	84.5	87.3	87.6	87.9	86.8	84.6	82.2	80.4
PND8		77.2	87.1	93.4	97.1	98.3	98.2	96.9	93.6	89.6	86.3
	50	81.5	83.5	87.8	88.6	87.1	88.6	88.3	85.6	84.3	83.7
	63	77.2	77.1	79.4	81.5	82.8	83.5	81.9	79.8	77.5	76.3
SIDELINE 200. FT.	80	80.7	80.7	81.3	82.6	84.2	86.7	86.3	85.5	83.9	81.5
(60.96 M)	100	78.8	80.8	82.4	82.5	82.9	84.6	85.3	84.7	83.1	82.2
	125	75.1	75.4	79.5	80.9	80.5	80.8	79.2	79.1	77.3	75.1
	160	71.1	71.2	73.4	74.6	74.7	75.3	74.7	73.8	71.2	69.0
	200	71.1	73.3	76.3	77.7	77.6	77.4	76.4	74.5	72.4	70.5
	250	69.6	73.4	77.7	80.1	79.8	79.4	77.8	75.7	73.3	70.9
	315	67.8	72.0	76.5	79.5	80.4	79.8	78.4	76.1	71.9	69.0
	400	67.1	71.6	77.9	80.7	81.6	81.5	79.9	77.3	72.9	70.0
	500	65.0	72.7	78.6	81.8	80.7	80.4	79.6	77.3	72.8	69.4
	630	69.5	77.3	83.2	85.9	84.6	84.3	83.0	80.8	75.9	71.3
	800	68.8	76.5	81.0	85.7	85.4	84.2	81.5	78.7	74.8	70.7
	1000	68.9	76.7	81.7	86.0	86.2	84.5	83.1	79.8	76.1	72.1
	1250	74.2	83.4	87.7	90.8	91.0	89.4	85.6	82.4	80.4	75.1
	1600	68.3	76.5	81.2	85.9	85.1	83.7	81.6	77.9	74.7	71.3
	2000	68.3	77.1	82.3	85.6	85.9	86.4	84.4	80.2	75.6	72.5
	2500	67.0	77.6	82.7	85.4	86.6	85.9	83.8	80.1	75.0	72.2
	3150	66.5	76.2	81.3	84.0	85.4	84.5	83.5	79.7	75.3	71.9
	4000	64.3	74.8	79.9	82.6	83.4	83.9	83.2	78.8	74.7	71.5
	5000	61.4	74.0	79.2	82.5	83.4	83.8	83.3	79.2	74.6	71.8
	6300	59.2	71.2	77.3	81.0	82.3	82.3	82.0	78.4	73.2	71.2
	8000	54.4	68.5	75.4	78.7	79.9	80.9	80.8	77.0	72.4	69.5
	10000	44.8	63.5	71.2	74.7	76.6	77.4	77.9	73.7	69.7	66.4
OVERALL CALCULATED		87.4	91.1	95.3	97.9	98.1	97.9	96.6	94.1	91.4	89.4



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT.)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )
SIDELINE 500. FT. (152.40 M)	50	65.0	67.6	71.2	72.7	72.1	73.9	73.8	71.5	69.8	68.9			
NFA 2000. RPM ( 209. RAD/SEC)	63	64.2	64.0	65.4	67.4	69.6	69.4	68.1	66.0	63.9	62.5			
NFK 1944. RPM ( 204. RAD/SEC)	80	65.4	67.3	68.1	68.9	70.1	71.2	71.6	70.6	68.7	65.7			
NFD 3244. RPM ( 340. RAD/SEC)	100	64.4	67.0	68.1	68.7	68.7	69.8	69.7	68.7	66.7	65.8			
AIRFLOW RATIO NF/WM 12.60	125	59.4	60.4	63.8	65.7	65.4	65.6	63.8	62.7	60.8	59.1			
VEHICLE CONFIG UTMSH 604	160	55.8	57.7	59.7	60.9	61.4	61.6	60.6	59.5	57.1	54.4			
LOC SCHENECTADY	200	56.0	60.3	63.4	65.1	65.2	64.7	63.1	61.4	59.1	57.2			
DATE 7/7/75	250	54.0	61.1	65.1	67.6	67.5	66.7	65.4	63.6	60.4	57.4			
RUN 32/7	315	50.8	58.9	64.2	66.3	66.7	66.7	64.5	62.2	58.9	55.2			
TAPE	400	50.2	58.5	65.6	68.2	68.7	67.8	66.3	63.7	59.5	56.0			
FAN TIP SPEED 620. FT/SEC	500	48.8	57.8	65.0	67.4	68.1	66.8	65.3	62.5	58.5	55.0			
OVERALL CALCULATED	630	51.5	61.7	68.6	71.1	71.1	69.7	67.3	65.1	61.4	57.0			
PND8	800	51.6	61.9	68.6	71.1	70.7	70.4	67.5	65.0	60.9	56.9			
	1000	51.2	60.5	66.3	70.5	70.6	68.6	66.0	62.8	59.8	55.8			
	1250	53.4	64.3	71.0	73.2	75.1	72.4	69.8	66.6	64.1	60.9			
	1600	50.5	61.3	67.4	71.5	72.0	69.6	66.6	63.1	60.1	56.6			
	2000	49.0	59.5	66.0	70.4	70.5	68.9	66.7	62.8	60.3	56.2			
	2500	47.3	58.9	65.6	68.9	70.2	70.3	66.2	62.8	58.4	55.4			
	3150	44.3	57.9	64.9	68.4	69.2	69.2	66.3	62.0	57.5	54.7			
	4000	41.1	55.2	62.5	66.7	67.9	67.2	65.4	61.2	56.8	53.3			
	5000	37.9	52.9	60.2	64.8	66.2	66.4	65.7	60.2	55.7	52.0			
	6300	30.4	48.7	57.2	62.0	63.7	64.1	63.3	58.7	53.7	50.1			
	8000	22.1	41.9	52.0	57.5	59.9	60.5	59.7	56.0	49.8	46.7			
	10000	8.3	32.9	45.3	51.7	54.7	56.3	55.8	51.4	46.1	42.4			
OVERALL CALCULATED	71.8	75.6	79.9	82.5	83.1	82.5	81.0	78.6	76.1	74.0				
PND8	73.3	83.4	89.9	93.3	94.1	93.7	91.4	87.8	83.8	80.7				

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. ( 60.96 M)	50	74.7	76.6	79.8	81.1	80.4	82.1	82.0	79.7	78.6	77.2			
	63	74.3	73.2	74.2	76.0	78.1	77.8	76.4	74.4	72.2	70.8			
	80	75.8	76.8	77.1	77.6	78.7	79.7	80.1	79.0	77.1	74.2			
	100	75.1	76.7	77.2	77.6	77.4	78.4	78.3	77.2	75.3	74.4			
	125	70.4	70.3	73.1	74.7	74.3	74.4	72.5	71.4	69.5	67.9			
	160	67.1	67.9	69.3	70.1	70.5	70.5	69.4	68.4	65.9	63.3			
	200	67.6	70.7	73.1	74.5	74.4	73.7	72.1	70.3	68.1	66.2			
	250	65.9	71.8	75.0	77.2	76.8	75.9	74.5	72.7	69.5	66.6			
	315	63.1	69.9	74.4	76.1	76.2	76.1	73.7	71.4	68.2	64.5			
	400	62.9	69.7	76.0	78.2	78.3	77.3	75.7	73.1	68.9	65.5			
	500	61.8	69.3	75.6	77.6	78.0	76.4	74.9	72.1	68.0	64.7			
	630	65.0	73.6	79.5	81.4	81.1	79.6	77.0	74.8	71.2	68.8			
	800	65.6	74.1	79.8	81.8	81.0	80.5	77.4	74.9	70.8	67.0			
	1000	65.8	73.1	77.9	81.3	81.1	78.9	76.1	72.9	69.9	66.1			
	1250	68.5	77.3	82.8	84.4	85.8	82.9	80.2	77.6	74.5	71.4			
	1600	66.4	74.9	79.8	83.1	83.1	80.5	77.2	73.8	70.7	67.5			
	2000	65.7	73.8	78.7	82.4	81.9	80.0	77.7	73.7	71.3	67.3			
	2500	64.8	73.6	78.9	81.2	82.0	81.8	77.4	74.0	69.6	66.8			
	3150	63.2	73.6	78.8	81.3	81.5	81.1	78.0	73.6	69.2	66.6			
	4000	62.0	72.2	77.5	80.5	80.9	79.9	77.8	73.6	69.2	65.9			
	5000	59.9	70.8	75.8	79.1	79.7	79.5	78.5	72.9	68.5	65.0			
	6300	55.8	68.8	74.6	77.8	78.5	78.4	77.3	72.6	67.6	64.3			
	8000	52.6	65.6	72.2	75.6	76.6	76.7	75.4	71.6	65.6	62.8			
	10000	48.0	61.4	69.3	73.0	74.4	75.1	74.0	69.5	64.4	61.1			
OVERALL CALCULATED	82.8	87.0	91.2	93.5	93.8	92.8	91.0	88.2	85.4	83.1				
PND8	89.8	98.2	103.2	105.8	106.0	105.3	102.9	99.2	95.2	92.3				





Run 33/Reading 1

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 HR. 0.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (5% DEG. F, 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RAD/ANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
	50	57.7	62.1	65.5	66.5	65.3	66.9	68.1	67.2	67.3	67.7						
SIDELINE 300. FT.	63	55.9	59.0	62.4	65.4	68.1	69.4	67.6	65.5	63.9	63.3						
(152.40 M)	80	59.9	62.6	62.8	65.4	67.4	69.7	70.9	70.1	68.9	66.5						
NFA (194. RPM)	100	58.6	64.2	64.6	64.2	64.9	67.5	68.7	69.2	68.0	66.8						
(199. RAD/SEC)	125	51.1	57.4	61.8	63.4	62.7	63.3	62.3	62.2	61.8	59.9						
NFK (199. RPM)	160	46.8	53.2	54.9	55.6	56.9	57.9	57.6	56.8	55.3	52.9						
(195.7. RPM)	200	47.8	55.6	56.6	60.4	60.0	59.4	57.9	57.3	55.2	53.2						
NFD (205. RPM/SEC)	250	44.5	56.4	60.8	62.4	61.7	60.7	58.7	56.9	54.2	51.5						
(3244. RPM)	315	39.3	52.2	57.7	59.8	59.7	59.0	56.7	54.9	51.2	49.0						
(340. RAD/SEC)	400	40.4	52.2	59.1	61.5	60.9	60.3	58.0	56.2	51.5	48.3						
AIRFLOW RATIO	500	40.0	51.0	60.0	61.2	60.6	59.5	57.8	55.8	51.5	48.5						
Mf/Wf 12.60	630	44.5	58.0	67.0	67.1	66.3	65.7	63.3	61.3	56.5	52.8						
	800	44.4	56.9	66.3	67.1	65.7	64.9	62.2	60.0	56.1	52.2						
VEHICLE UTMSH	1000	40.2	52.5	60.8	63.9	63.1	60.8	57.7	55.2	52.3	48.9						
CONFIG GOS	1250	45.6	56.2	64.2	64.4	69.3	67.7	64.5	60.6	56.1	54.0						
LOC SCHENECTADY	1600	40.8	54.5	62.7	67.2	66.2	63.1	60.1	57.1	53.8	51.7						
DATE 7/8/75	2000	38.0	52.8	60.9	65.4	63.9	62.4	58.7	55.3	53.0	50.2						
RUN 33/1	2500	36.2	51.6	59.9	63.8	64.2	63.0	58.9	55.1	51.9	49.4						
TAPE	3150	33.5	50.4	59.4	62.4	63.2	62.1	58.3	54.7	50.9	48.5						
FAN TIP SPEED	4000	30.8	47.9	55.9	60.4	61.8	60.7	58.4	53.9	49.5	47.3						
618. FT/SEC	5000	28.3	45.6	54.4	59.0	59.8	60.3	58.6	52.8	48.3	45.7						
	6300	21.0	42.3	51.1	56.1	57.0	58.2	56.2	51.3	46.0	42.9						
	8000	12.4	35.2	43.8	51.0	53.0	54.3	52.2	48.0	42.6	39.2						
	10000		26.8	39.2	45.8	48.4	49.7	48.4	44.1	38.5	34.6						
OVERALL CALCULATED		64.9	70.6	75.5	77.7	77.8	77.8	77.0	75.8	74.4	73.1						
PNDB		63.7	76.7	84.6	87.8	88.0	87.3	84.6	81.4	77.9	75.3						

	50	67.5	71.1	74.1	75.3	73.6	75.1	76.3	75.4	75.6	76.0						
SIDELINE 200. FT.	63	66.0	68.2	71.2	74.0	76.6	77.8	75.9	73.9	72.2	71.6						
(60.96 M)	80	70.3	72.1	71.8	74.1	76.0	78.2	79.4	78.5	77.4	75.0						
	100	69.3	73.9	73.7	73.1	73.6	76.2	77.3	77.7	76.6	75.5						
	125	62.1	67.3	71.1	72.5	71.6	72.1	71.0	70.9	70.5	68.7						
	160	57.9	63.4	64.5	64.9	66.0	68.8	66.4	65.6	64.2	61.8						
	200	59.4	66.0	68.4	69.8	69.1	68.5	68.9	66.3	64.1	62.3						
	250	56.4	67.1	70.8	71.9	71.0	69.9	67.8	66.0	63.3	60.7						
	315	51.6	63.1	67.9	69.6	69.2	68.3	66.0	64.1	60.5	58.3						
	400	53.1	63.5	69.5	71.4	70.6	69.7	67.4	65.6	60.9	57.8						
	500	53.1	62.6	70.6	71.3	70.5	69.2	67.4	65.3	61.0	58.2						
	630	58.0	69.9	78.0	77.4	76.4	75.6	73.0	71.0	66.4	62.8						
	800	58.4	69.1	77.5	77.8	76.0	75.0	72.2	69.9	66.1	62.3						
	1000	54.7	65.1	72.3	74.8	73.5	71.1	67.8	65.3	62.4	59.1						
	1250	60.8	69.3	76.1	79.6	80.1	78.2	74.9	70.8	66.5	64.5						
	1600	56.7	68.2	75.0	78.8	77.3	73.9	70.7	67.7	64.5	62.5						
	2000	54.7	67.0	73.7	77.4	75.4	73.5	69.7	66.2	64.0	61.4						
	2500	53.8	66.3	73.1	76.1	76.0	74.5	70.2	66.3	63.1	60.8						
	3150	52.4	66.1	73.3	75.3	75.4	74.0	70.0	66.3	62.6	60.4						
	4000	51.7	64.9	70.9	74.1	71.9	73.3	70.8	66.2	61.8	59.9						
	5000	50.3	63.4	69.9	73.3	73.3	73.4	71.3	65.5	61.1	58.7						
	6300	46.4	62.4	68.5	71.9	71.9	72.4	70.1	65.2	60.0	57.2						
	8000	42.9	58.8	65.9	69.1	69.8	70.4	67.9	63.6	58.3	55.4						
	10000	36.7	55.4	63.2	67.2	68.1	68.5	66.7	62.2	56.8	53.3						
OVERALL CALCULATED		75.7	81.5	86.5	88.5	88.2	87.7	86.3	84.7	83.1	81.8						
PNDB		79.8	91.4	97.8	100.1	100.0	99.0	96.2	92.7	89.3	86.9						

## Run 33/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 21 HR. 9.0																
		MODEL SOUND PRESSURE LEVELS (59. DEC. F., 70 PERCENT REL. HUM. 2AV)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
RADIAL	17. FT.	50																
	( 5. M )	63																
VEHICLE	UTMSIM	100	85.5	80.4	77.8	79.5	82.0	84.5	85.5	86.3	85.5	84.8						117.0
CONFIG	GOS	125	93.3	92.6	93.6	92.0	89.3	92.3	92.5	91.6	92.0	92.6						125.0
LOC	SCHENECTADY	150	91.0	91.4	92.3	91.5	88.3	90.3	90.8	89.6	89.0	89.8						124.0
DATE	7/8/75	200	88.5	87.9	88.1	88.8	89.8	90.3	87.8	85.3	84.0	83.3						121.4
RUN	33/2	250	93.8	93.1	90.8	90.3	91.2	92.5	92.5	91.3	90.3	88.3						125.1
TAPE		315	92.8	94.1	92.3	91.0	90.2	91.6	91.5	91.3	90.3	89.6						125.1
BAR	29.6 HG	400	85.3	88.1	89.6	89.8	88.3	87.6	86.3	85.8	84.5	83.6						120.9
	(99.830. N/H2)	500	81.6	87.6	83.3	82.8	82.0	82.1	81.8	80.6	79.0	77.6						115.2
TAMB	80. DEG F	630	82.6	85.7	85.8	85.6	84.5	83.3	81.8	80.6	79.3	78.1						116.6
	(300. DEG K)	800	79.6	85.6	87.8	88.0	86.0	85.1	82.8	81.1	78.5	77.1						118.0
THET	71. DEG F	1000	76.3	84.1	87.6	87.5	85.7	84.3	81.8	79.3	75.8	74.1						117.3
	(1295. DEG K)	1250	78.3	82.9	87.3	88.3	86.5	84.9	82.6	80.4	76.6	73.8						117.7
HACT	18.34 CM/H3	1600	75.6	81.5	87.4	88.0	86.2	84.1	81.6	79.9	75.5	73.4						117.3
	(1.01634 KG/M3)	2000	72.6	84.2	89.9	89.8	87.5	85.1	81.6	80.2	76.3	73.9						116.6
NFA	826.2. RPM	2500	85.0	90.7	95.9	95.2	93.2	91.4	87.1	85.2	81.5	78.1						124.7
	( 865. RAD/SEC )	3150	83.5	88.9	93.1	92.7	91.9	89.4	85.6	83.2	79.7	76.9						123.1
NFK	8100. RPM	4000	82.7	88.1	92.7	95.1	93.3	92.1	87.8	84.9	81.6	77.8						124.1
	( 848. RAD/SEC )	5000	88.1	93.6	97.8	101.8	99.2	95.2	90.3	86.1	85.3	81.5						129.1
NFD	1151.7. RPM	6300	82.6	88.7	92.9	95.0	92.4	89.4	85.3	82.5	79.4	77.5						123.4
	( 1206. RAD/SEC )	8000	82.7	89.4	93.4	95.4	94.2	92.0	88.0	84.1	80.2	77.6						124.7
NO. OF BLADES	18	10000	82.8	91.1	93.7	94.9	94.3	92.0	87.7	83.6	79.6	77.8						124.8
FAN TIP SPEED	16000	12500	82.2	89.6	92.8	93.8	93.3	91.1	86.5	84.3	79.8	77.4						124.2
	( 721. FT/SEC )	16000	81.0	88.5	91.5	92.7	91.8	90.8	88.7	83.5	78.7	76.6						123.6
		20000	79.6	88.2	91.2	92.4	91.3	90.5	88.6	83.2	78.7	76.8						123.7
		25000	78.5	87.1	90.4	90.8	90.5	89.4	87.0	83.0	77.2	76.3						123.2
		31500	76.4	85.7	89.3	89.9	89.0	88.3	86.0	81.8	77.1	74.9						123.0
		40000	70.4	82.8	85.8	86.0	86.1	84.9	84.1	78.9	74.6	72.6						121.2
		50000	68.1	78.5	80.9	81.4	82.4	80.5	80.8	74.3	71.8	68.5						118.9
		63000	66.0	72.2	73.1	73.3	74.9	73.7	73.3	68.4	67.8	65.6						114.9
		80000	70.1	71.0	70.2	70.8	71.3	71.2	71.6	68.8	71.1	69.1						117.1
OVERALL MEASURED																		
OVERALL CALCULATED			100.9	103.5	106.0	107.1	105.7	104.3	102.1	100.0	98.6	97.9						137.6
PWdB			110.6	115.2	116.8	120.5	118.9	116.4	112.7	109.9	108.1	105.5						

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	
SIDELINE 500. FT. (152.40 M)	50	61.2	65.9	69.5	73.4	68.3	71.1	72.1	71.0	70.3	70.7								
	63	58.2	62.0	64.9	67.4	69.6	70.9	68.9	66.5	65.1	64.0								
	80	62.9	66.8	67.3	68.7	70.9	73.0	73.4	72.3	71.2	68.7								
	100	61.4	67.5	68.6	69.2	69.7	72.0	72.2	72.2	71.0	69.8								
NFA ( 327. RPM 244. RAD/SEC)	125	53.4	61.1	65.5	67.7	67.4	67.8	66.8	66.5	65.1	63.6								
	150	49.1	56.2	58.9	60.4	60.9	61.9	62.1	61.0	59.3	57.6								
NFK ( 2281. RPM 239. RAD/SEC)	200	49.5	57.8	61.1	62.9	63.2	62.9	61.9	60.8	59.4	57.7								
	250	46.0	57.4	62.8	65.1	64.5	64.5	62.7	61.1	58.4	56.4								
NFD ( 3244. RPM 340. RAD/SEC)	315	42.1	55.4	62.2	64.3	64.0	63.5	61.5	59.2	55.4	53.2								
	400	43.4	53.7	61.6	64.7	64.4	63.8	62.0	60.0	55.5	52.7								
AIRFLOW RATIO W/FWH 12.60	500	43.0	54.5	63.7	65.9	65.1	63.8	60.8	59.6	55.5	52.5								
	630	48.7	60.5	69.3	71.0	70.6	69.8	68.1	64.3	60.4	56.5								
	800	46.4	58.1	66.1	70.1	68.9	67.4	64.3	62.1	58.3	54.9								
VEHICLE UTHSIM CONFIG G05	1000	44.7	56.7	65.3	70.1	70.0	69.8	66.2	63.5	60.0	55.5								
LOC SCHENECTADY	1250	49.1	61.5	69.9	75.3	75.5	72.6	68.3	64.3	63.3	58.9								
DATE 7/8/75	1600	42.4	55.0	64.2	69.1	68.3	66.4	62.9	60.3	57.0	54.5								
RUN 33/2	2000	41.1	55.5	64.1	68.9	69.5	68.5	65.1	61.5	57.3	54.1								
TAPE	2500	40.0	56.4	63.8	67.9	69.3	68.2	64.5	60.7	56.4	54.0								
FAN TIP SPEED 721. FT/SEC	3150	37.4	53.6	61.4	66.1	67.6	66.6	64.8	60.8	56.1	52.9								
	4000	33.2	50.7	59.1	63.8	65.1	65.5	64.2	59.2	54.2	51.3								
	5000	30.4	49.4	58.3	63.1	64.3	65.0	63.9	58.7	54.0	51.2								
	6300	24.3	45.1	55.2	59.6	61.9	62.5	60.9	57.2	51.1	49.4								
	8000	14.5	38.8	50.4	55.7	57.9	59.2	57.9	54.0	49.0	45.7								
OVERALL CALCULATED	10000		29.0	41.9	47.9	51.6	52.7	53.1	48.4	43.7	40.4								
	PNDB	67.8	74.0	78.7	81.9	82.1	81.9	80.5	78.9	77.3	75.9								
		66.9	80.5	87.9	91.9	92.7	92.1	89.8	86.5	82.8	79.8								
SIDELINE 200. FT. (60.96 M)	50	71.0	74.9	78.1	78.8	76.6	79.4	80.3	79.2	78.5	78.9								
	63	68.3	71.2	73.7	76.0	78.1	79.3	77.2	74.9	73.5	72.3								
	80	73.3	76.3	76.3	77.4	79.5	81.5	81.9	80.8	79.6	77.2								
	100	72.1	77.2	77.7	78.1	78.4	80.7	80.8	80.7	79.6	78.4								
	125	64.4	71.0	74.9	76.7	76.3	76.6	75.5	75.2	73.8	72.4								
	150	60.4	66.4	68.5	69.6	70.0	70.8	70.9	69.9	68.2	66.5								
	200	61.1	68.2	70.9	72.3	72.4	72.0	70.9	69.8	68.4	66.7								
	250	57.9	68.1	72.8	74.7	73.8	73.7	71.8	70.2	67.5	65.6								
	315	54.4	66.4	72.4	74.1	73.4	72.8	70.7	68.4	64.7	62.5								
	400	56.1	65.0	72.0	74.7	74.1	73.3	71.4	69.4	64.9	62.2								
	500	56.1	66.1	74.4	76.1	75.0	73.4	70.4	69.1	65.0	62.2								
	630	62.2	72.4	80.2	81.4	80.6	79.6	75.8	74.0	70.2	66.3								
	800	60.4	70.4	77.3	80.7	79.2	77.5	74.2	72.0	68.3	65.0								
	1000	59.2	69.4	76.8	81.0	80.5	80.1	76.3	73.6	70.1	65.8								
	1250	64.2	74.5	81.8	86.5	86.3	83.1	78.6	74.7	73.7	69.4								
	1600	58.3	69.4	76.5	80.6	79.3	77.2	73.6	70.9	67.7	65.3								
	2000	57.8	69.7	76.9	80.9	80.9	79.7	76.1	72.4	68.3	65.2								
	2500	57.5	71.2	77.0	80.2	81.0	79.6	75.8	71.9	67.7	65.4								
	3150	55.2	69.3	75.8	79.0	79.9	78.5	76.5	72.4	67.8	64.9								
	4000	54.1	67.7	74.1	77.6	78.1	78.2	76.6	71.6	66.6	64.0								
	5000	52.4	67.2	73.9	77.4	77.8	78.0	76.7	71.4	66.8	64.3								
	6300	49.6	65.2	72.5	75.4	76.7	76.7	74.9	71.1	65.1	63.6								
	8000	45.0	62.4	70.5	73.8	74.8	75.3	73.6	69.6	64.7	61.8								
OVERALL CALCULATED	10000		35.6	57.6	65.8	69.2	71.4	71.5	71.4	66.5	61.9								
	PNDB	78.6	84.8	89.7	92.7	92.6	92.0	90.1	88.1	86.2	84.7								
		83.0	94.9	101.0	104.1	104.5	103.6	101.4	97.9	94.0	91.3								

ORIGINAL PAGE IS OF POOR QUALITY



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)	160. (2.80)	
SIDELINE 500. Fy. (152.40 M)	50	64.2	68.6	73.0	74.2	72.6	75.9	76.8	75.7	74.3	73.4						
	63	59.7	64.0	66.7	68.9	70.6	71.4	69.6	67.8	65.6	64.2						
	80	64.6	68.3	69.1	69.9	71.9	73.7	74.1	73.1	71.9	69.2						
	100	63.1	69.0	70.6	71.2	71.7	73.3	74.2	73.7	72.0	70.5						
NFA 2498. RPM (262. RAD/SEC)	125	55.9	62.6	67.8	70.2	70.2	70.3	68.8	68.5	67.1	65.6						
	160	51.1	58.7	61.9	62.6	63.4	64.6	64.3	63.5	61.6	59.6						
NFK 2449. RPM (256. RAD/SEC)	200	52.0	59.1	62.4	64.4	65.2	65.4	64.4	63.6	62.1	60.2						
	250	48.7	58.6	63.8	65.9	66.0	66.2	64.7	63.1	60.7	57.9						
NFD 3244. RPM (340. RAD/SEC)	315	46.6	55.4	63.2	65.8	65.7	64.7	62.7	61.2	57.7	55.0						
	400	45.2	54.7	62.8	65.7	65.9	65.0	63.8	61.2	57.2	54.2						
AIRFLOW RATIO	500	41.5	52.5	62.0	64.7	64.9	63.8	61.8	60.0	56.7	53.5						
Wf/Wm 12.60	630	41.7	53.7	63.0	66.6	64.8	63.7	61.8	60.1	56.4	53.0						
	800	48.1	59.9	68.8	71.6	70.9	71.9	67.7	66.5	61.9	57.7						
VEHICLE UTHS IN	1000	47.0	59.0	67.6	71.9	71.3	70.3	66.7	64.2	60.5	56.8						
CONFIG G05	1250	44.4	57.2	65.9	71.2	71.6	70.4	68.1	65.1	61.1	57.2						
LOC SCHENECTADY	1600	47.0	60.3	68.2	74.0	75.5	71.6	70.3	67.9	62.3	59.4						
DATE 7/8/75	2000	42.5	56.8	65.4	70.7	70.4	68.4	64.7	62.0	58.8	56.2						
RUN 33/3	2500	40.7	56.1	64.6	69.8	70.2	69.5	66.4	62.8	58.9	55.8						
TAPE	3150	38.0	55.9	64.4	68.4	69.7	69.1	66.3	62.2	57.9	54.9						
FAN TIP SPEED	4000	35.1	53.1	62.2	66.3	68.0	67.2	65.6	61.7	57.2	53.7						
774. FT/SEC	5000	32.6	51.1	59.9	65.0	66.3	66.3	65.5	60.8	56.3	52.9						
	6300	25.5	47.1	57.3	62.3	64.5	65.2	64.4	59.5	54.8	51.6						
	8000	17.6	41.2	52.3	58.0	60.7	61.5	60.6	56.2	51.5	49.2						
OVERALL CALCULATED	10000	4.2	32.0	45.9	52.3	55.6	56.7	56.4	52.8	47.5	44.2						
PND8		69.8	75.4	80.0	83.0	83.3	83.4	82.6	81.2	79.2	77.5						
		66.5	81.3	89.3	93.5	94.5	93.7	91.6	88.7	84.8	81.6						

ORIGINAL PAGE IS OF POOR QUALITY

	50	74.0	77.6	81.6	82.6	80.9	84.1	85.0	83.9	82.5	81.7					
	63	69.8	73.2	75.5	77.5	79.1	79.8	77.9	76.1	74.0	72.6					
SIDELINE 200. Fy. (60.96 M)	80	75.0	77.8	78.1	78.6	80.5	82.2	82.6	81.5	80.4	77.7					
	100	73.8	78.7	79.7	80.1	80.4	81.9	82.8	82.2	80.6	79.2					
	125	66.9	72.5	77.1	79.2	79.1	79.1	77.5	77.2	75.8	74.4					
	160	62.4	68.9	71.5	71.9	72.5	73.5	73.2	72.4	70.4	68.5					
	200	63.6	69.5	72.1	73.8	74.4	74.5	73.4	72.5	71.1	69.2					
	250	60.6	69.3	73.8	75.4	75.3	75.4	73.8	72.2	69.8	67.1					
	315	58.9	66.4	73.4	75.6	75.2	74.1	72.0	70.4	66.9	64.3					
	400	57.9	66.0	73.3	75.7	75.6	74.5	73.2	70.6	66.6	63.7					
	500	54.6	64.1	72.6	74.8	74.7	73.4	71.4	69.6	66.3	63.2					
	630	55.3	65.6	74.0	76.9	74.9	73.6	71.5	69.8	66.2	62.8					
	800	62.1	72.1	80.0	82.3	81.2	82.0	77.7	76.4	71.8	67.7					
	1000	61.5	71.6	79.1	82.8	81.8	80.6	76.8	74.3	70.7	67.1					
	1250	59.5	70.3	77.8	82.3	82.3	80.9	78.4	75.4	71.5	67.7					
	1600	62.9	73.9	80.5	85.5	86.6	82.4	81.0	78.5	73.0	70.2					
	2000	59.2	71.0	78.2	82.6	81.9	79.5	75.7	72.9	69.8	67.3					
	2500	58.3	70.9	77.8	82.1	82.0	81.0	77.7	74.0	70.1	67.0					
	3150	56.9	71.6	78.3	81.3	81.9	81.0	78.0	73.8	69.6	66.8					
	4000	55.9	70.2	77.1	80.1	81.1	79.8	78.0	74.0	69.6	66.4					
	5000	54.5	68.9	75.4	79.3	79.3	79.3	78.3	73.5	69.1	65.9					
	6300	50.8	67.2	74.7	78.1	79.4	79.4	78.4	73.4	68.7	65.9					
	8000	48.1	64.8	72.4	76.1	77.6	77.7	76.4	71.9	67.3	65.3					
OVERALL CALCULATED	10000	41.9	60.6	69.9	73.6	75.3	75.5	74.6	70.9	65.7	63.0					
PND8		80.5	86.1	90.9	93.8	94.0	93.5	92.2	90.4	88.1	86.3					
		84.4	96.1	102.7	105.8	106.2	105.4	103.2	99.9	96.0	93.2					

## Run 33/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVEL (50. DEC. F. 78 PERCENT REL. HUM. DAY)											PROC. DATE = MONTH 7 DAY 21 HR. 10.0					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PBL
		FREQ. (0.35)	(0.52)	(0.78)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
RADIAL	17. FT.	50																
	( 5. M )	63																
		80																
VEHICLE	UTHSIM	100	88.3	85.6	79.6	80.8	82.3	84.5	85.8	86.1	85.8	85.3					110.5	
CONFIG	COE	125	91.5	89.9	89.6	88.5	88.8	90.3	90.8	89.8	89.8	89.6					123.5	
LOC	SCHENECTADY	160	92.8	94.4	94.6	94.3	92.0	92.3	92.5	90.8	89.5	90.1					126.0	
DATE	7/8/75	200	92.3	91.9	91.6	91.5	91.8	92.0	89.3	87.3	85.5	85.1					123.8	
RUN	33/4	250	96.8	96.4	94.6	93.5	93.7	94.8	94.7	93.0	91.8	90.0					127.6	
TAPE		315	95.5	96.9	96.1	95.0	94.2	95.0	95.3	94.3	92.8	92.3					128.4	
BAR	29.6 HG	400	89.0	91.9	93.3	93.8	93.0	92.3	90.0	89.3	87.8	87.1					124.9	
	(99.830. N/M2)	500	84.8	87.4	88.1	87.5	85.5	86.8	85.5	84.3	82.8	81.3					119.4	
TAMB	82. DEG F	630	86.1	88.9	89.1	89.3	88.0	88.1	86.0	85.3	83.8	81.8					128.7	
	(301. DEG K)	800	83.3	87.6	89.8	90.8	89.2	89.1	86.3	84.8	82.5	80.6					121.1	
TRF	72. DEG F	1000	80.1	84.9	88.8	89.5	88.5	86.6	84.8	83.1	79.8	78.1					119.5	
	(295. DEG K)	1250	80.8	85.2	90.6	91.3	90.2	88.1	85.8	83.9	79.8	77.3					121.0	
HACT	16.66 GM/M3	1600	77.8	83.0	89.1	90.8	88.7	86.6	84.1	82.9	79.5	76.4					119.8	
	(0.1666 KG/M3)	2000	78.1	84.2	89.6	91.8	89.0	86.6	83.6	82.2	78.8	76.4					120.2	
NFA	9449. RPM	2500	84.8	89.7	94.6	96.7	94.2	91.6	87.6	85.2	82.0	79.1					125.1	
	( 969. RAD/SEC)	3150	86.8	91.9	96.3	98.5	97.2	94.1	90.4	87.5	84.2	80.8					127.3	
NFK	9246. RPM	4000	85.9	91.4	95.2	98.6	97.6	95.3	92.1	88.7	84.9	80.5					127.7	
	( 968. RAD/SEC)	5000	85.4	91.8	95.2	98.8	97.7	94.5	91.0	87.4	83.8	81.0					127.5	
NFD	11517. RPM	6300	86.7	92.7	96.9	99.3	98.4	94.2	90.1	86.2	83.7	81.5					128.1	
	(1206. RAD/SEC)	8000	85.2	92.1	95.2	97.7	96.9	95.3	91.5	87.4	83.9	81.1					127.3	
NO. OF BLADES	18	10000	85.5	93.6	96.5	97.9	97.1	95.5	92.4	87.9	83.8	81.8					128.0	
FAN TIP SPEED	16000	12500	85.4	93.1	96.6	97.6	97.1	95.1	92.7	88.5	84.1	81.6					128.1	
	825. FT/SEC	16000	85.0	92.5	95.2	96.2	96.0	94.6	93.3	88.0	83.8	81.4					127.6	
		20000	83.1	92.2	95.0	96.2	95.8	95.0	93.1	88.2	84.2	82.3					128.0	
		25000	83.0	90.8	94.9	95.3	95.2	93.7	92.3	87.8	82.9	82.1					127.8	
		31500	80.2	90.2	93.3	93.9	93.0	92.8	91.0	86.5	82.4	80.8					127.3	
		40000	75.4	88.5	90.1	90.3	90.6	89.6	88.8	84.4	79.8	77.8					125.8	
		50000	70.1	82.7	84.8	85.9	88.9	85.3	85.5	79.3	76.8	73.5					123.4	
		63000	69.3	76.2	76.9	77.5	79.1	78.0	77.8	71.2	71.0	67.9					118.5	
		80000	70.2	71.8	70.5	71.6	72.3	72.0	71.9	68.9	71.2	69.1					117.5	
OVERALL MEASURED																		
OVERALL CALCULATED		103.0	105.9	108.1	109.5	108.6	107.1	105.2	102.5	100.2	99.1						108.3	
PNDB		111.9	116.3	119.6	121.5	120.3	118.4	115.6	112.9	109.9	107.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. DAT)

	FREQ	ANGLE FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
SIDELINE 900. FT. (152.40 M)	50	62.9	68.9	71.7	73.2	72.1	73.1	73.8	72.2	70.8	70.9
	63	61.9	66.0	68.4	70.2	71.6	72.7	70.4	68.5	66.6	65.7
	80	65.9	70.1	71.1	71.9	73.4	75.2	75.6	74.1	72.7	70.5
NFA (262. RPM)	100	64.1	70.2	72.3	73.2	73.7	75.3	76.0	75.2	73.5	72.5
(279. RAD/SEC)	125	57.1	64.9	69.3	71.7	72.2	72.3	70.5	70.0	68.3	67.1
NFK (264. RPM)	160	52.3	59.9	63.7	65.1	65.4	66.6	65.8	64.8	63.1	61.1
	200	53.0	61.1	64.4	66.6	66.7	67.7	66.1	65.6	63.9	61.4
NPD (273. RAD/SEC)	250	49.7	59.4	64.8	67.9	67.7	68.5	66.2	64.9	62.4	59.9
(3244. RPM)	315	45.8	56.2	63.2	66.3	66.7	65.7	64.5	62.9	59.4	57.2
(340. RAD/SEC)	400	45.9	56.0	64.8	67.7	68.2	67.0	65.3	63.5	59.2	56.2
AIRFLOW RATIO	500	42.3	53.3	63.0	66.9	66.4	65.3	63.3	62.3	58.7	55.0
Wf/Wm 12.60	630	48.5	59.5	68.1	72.6	71.8	70.0	66.6	64.3	60.9	57.5
	800	49.6	61.1	69.3	73.9	74.2	72.2	69.0	66.3	62.9	58.7
VEHICLE CONFIG	1000	47.9	60.0	67.8	73.6	74.2	73.1	70.4	67.2	63.2	58.3
UTMSH GOS	1250	46.3	59.7	67.2	73.4	74.0	71.9	69.0	65.6	61.8	58.4
LOC SCHENECTADY	1600	46.4	59.8	68.2	73.3	74.3	71.1	67.7	64.0	61.3	58.5
DATE 7/8/75	2000	43.6	58.3	65.8	71.2	72.3	71.8	68.6	64.8	61.1	57.6
RUN TAPE 33/4	2500	42.7	58.9	66.5	70.9	72.0	71.7	69.3	64.9	60.7	58.0
FAN TIP SPEED	3150	40.6	57.1	65.7	69.8	71.4	70.6	69.0	65.1	60.4	57.2
825. FT/SEC	4000	37.2	54.7	62.9	67.3	69.3	69.3	68.7	63.7	59.2	56.1
	5000	33.9	53.4	62.1	66.9	68.8	69.5	68.4	63.7	59.5	56.7
	6300	28.8	48.9	59.7	64.1	66.6	66.7	66.2	62.0	56.9	55.1
	8000	18.3	43.3	54.4	59.7	61.9	63.7	62.9	58.8	54.2	51.4
	10000	2.9	32.8	46.1	52.2	56.2	57.4	57.9	53.9	48.9	45.7
OVERALL CALCULATED	70.6	76.7	81.0	84.3	84.9	84.7	83.5	81.6	79.4	77.9	
PND8	69.7	83.1	90.6	94.9	96.0	95.6	93.8	90.4	86.5	83.6	

SIDELINE 200. FT. (60.96 M)	50	72.7	77.9	80.3	81.6	80.4	81.4	82.0	80.4	79.0	79.2
	63	72.0	75.2	77.2	78.7	80.1	81.1	78.7	76.9	75.0	74.1
	80	76.3	79.6	80.1	80.6	82.0	83.7	84.1	82.5	81.1	79.0
	100	74.8	79.9	81.5	82.1	82.4	83.9	84.5	83.7	82.1	81.2
	125	68.1	74.8	78.6	80.7	81.1	81.1	79.2	78.7	77.0	75.9
	160	63.8	70.1	73.3	74.4	74.5	75.5	74.7	73.6	71.9	70.0
	200	64.6	71.5	74.1	76.0	75.9	76.7	75.1	74.5	72.9	70.5
	250	61.6	70.1	74.8	77.4	77.0	77.7	75.3	74.0	71.5	69.1
	315	58.1	67.1	73.4	76.1	76.2	75.1	73.7	72.1	68.7	66.5
	400	58.6	67.2	75.3	77.7	77.8	76.5	74.7	72.9	68.6	65.7
	500	55.3	64.8	73.6	77.1	76.2	74.9	72.9	71.8	68.3	64.7
	630	62.0	71.4	79.0	82.9	81.6	79.9	76.3	74.1	70.7	67.3
	800	63.6	73.4	80.5	84.5	84.4	82.2	79.0	76.2	72.8	68.7
	1000	62.4	72.6	79.3	84.5	84.7	83.3	80.6	77.3	73.4	68.6
	1250	61.5	72.8	79.0	84.5	84.8	82.4	79.4	75.9	72.2	68.9
	1600	62.3	73.4	80.5	84.9	85.3	81.9	78.4	74.6	72.0	69.3
	2000	60.3	72.5	78.6	83.1	83.7	82.9	79.6	75.7	72.1	68.7
	2500	60.3	73.7	79.8	83.2	83.8	83.1	80.5	76.1	71.9	69.4
	3150	59.5	72.8	79.6	82.7	83.6	82.5	80.7	76.7	72.1	69.1
	4000	58.1	71.7	77.9	81.1	82.4	81.9	81.1	76.1	71.6	68.7
	5000	55.9	71.3	77.7	81.2	82.3	82.5	81.2	76.5	72.3	69.8
	6300	54.1	69.0	77.0	79.9	81.5	81.0	80.2	75.9	70.8	69.4
	8000	48.8	66.9	74.5	77.9	78.8	79.8	78.6	74.4	70.0	67.6
	10000	40.6	61.4	70.1	73.5	75.9	76.2	76.1	72.0	67.2	64.4
OVERALL CALCULATED	81.3	87.5	92.0	95.2	95.6	94.9	93.5	91.0	88.5	86.9	
PND8	85.9	97.7	104.0	107.3	108.0	107.2	105.5	101.8	97.9	95.2	





	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. DAY)									
		ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°
SIDELINE 500. FT. (152.40 M)	50	62.4	68.9	72.2	73.9	73.3	72.4	72.8	72.7	72.1	70.9
	63	63.4	67.8	69.4	71.7	73.1	73.7	72.1	70.3	67.9	66.2
	80	67.1	71.6	72.1	72.7	74.4	75.7	76.1	75.1	73.7	71.0
	100	64.9	71.7	73.6	74.2	74.9	76.3	77.0	76.4	74.7	73.5
NFA 824. RPM (296. RAD/SEC)	125	58.4	66.1	70.8	72.9	73.4	73.6	72.5	71.7	70.3	69.1
	160	54.3	61.9	65.9	66.6	66.9	67.9	67.6	66.5	64.8	62.6
NFK 2766. RPM (290. RAD/SEC)	200	55.3	62.8	65.9	68.4	68.5	68.9	68.1	67.6	65.6	63.9
	250	52.0	60.9	66.0	68.4	68.7	69.2	68.4	66.4	64.7	61.9
NPD 3244. RPM (340. RAD/SEC)	315	47.8	56.9	63.7	67.1	67.5	67.2	66.2	64.2	61.4	58.7
	400	47.2	57.0	65.6	68.7	68.9	68.3	66.0	64.5	61.0	58.0
AIRFLOW RATIO	500	44.0	55.0	63.7	67.7	67.4	66.8	65.3	63.5	60.0	56.7
WF/WH 12.60	630	48.2	59.3	67.1	71.1	70.8	69.3	66.6	64.6	60.9	57.5
	800	51.1	62.4	69.6	75.1	74.7	73.4	70.5	68.6	64.3	59.9
VEHICLE CONFIG	1000	50.2	61.7	69.0	74.6	76.0	75.1	71.9	69.0	65.0	60.8
UTMSIM G05	1250	47.1	60.0	68.2	73.4	74.3	72.9	70.5	67.8	64.0	59.9
LOC SCHENECTADY	1600	48.7	61.5	69.5	74.1	75.8	74.9	70.7	66.8	64.3	61.2
DATE 7/8/75	2000	45.4	59.5	67.3	72.2	73.0	72.8	70.1	67.3	62.8	59.6
RUN 33/5	2500	44.7	60.7	68.3	72.1	74.3	73.4	71.5	67.7	63.2	60.2
TAPE	3150	43.4	58.6	66.4	70.6	73.1	72.6	71.3	67.8	62.8	59.4
FAN TIP SPEED	4000	39.2	55.6	64.1	68.6	70.6	71.0	70.7	66.0	61.7	58.3
875. FT/SEC	5000	36.1	54.7	63.3	68.1	70.0	71.2	70.1	66.2	61.7	58.9
	6300	31.0	51.1	60.4	65.4	67.9	69.2	68.4	65.0	60.6	57.1
	8000	20.7	45.0	55.4	61.4	63.9	66.1	65.6	62.2	57.9	54.1
	10000	3.6	35.3	47.5	54.1	58.3	59.6	60.3	56.3	52.3	48.6
OVERALL CALCULATED		71.6	78.0	81.9	85.1	86.1	86.0	84.8	83.0	80.9	78.9
PND8		71.3	84.6	91.9	95.9	97.5	97.3	95.8	92.8	88.8	85.6

ORIGINAL PAGE IS OF POOR QUALITY

	50	72.2	77.9	80.8	82.3	81.6	80.6	81.0	80.9	80.3	79.2
	63	73.5	77.0	78.2	80.2	81.6	82.1	80.4	78.4	76.2	74.6
SIDELINE 200. FT. (60.96 M)	80	77.5	81.1	81.1	81.4	83.0	84.2	84.6	83.5	82.1	79.5
	100	75.6	81.4	82.7	83.1	83.6	84.9	85.5	85.0	83.3	82.2
	125	69.4	76.0	80.1	82.0	82.3	82.4	81.2	80.4	79.0	77.9
	160	65.6	72.1	75.5	75.9	76.0	76.8	76.4	75.4	73.7	71.5
	200	66.9	73.2	75.6	77.8	77.6	78.0	77.1	76.5	74.6	73.0
	250	63.9	71.6	76.0	77.9	78.0	78.4	77.5	75.5	73.8	71.1
	315	60.1	67.9	73.9	76.8	76.9	76.6	75.5	73.4	70.7	68.0
	400	59.9	68.2	76.0	78.7	78.6	77.8	75.4	73.9	70.4	67.5
	500	57.1	66.6	74.4	77.8	77.2	76.4	74.9	73.1	69.5	66.4
	630	61.8	71.1	78.0	81.4	80.6	79.1	76.3	74.3	70.7	67.3
	800	65.1	74.6	80.8	85.7	84.9	83.5	80.5	78.5	74.3	70.0
	1000	64.7	74.4	80.5	85.5	85.5	85.3	82.1	79.1	75.1	71.1
	1250	62.2	73.0	80.0	84.5	85.0	83.4	80.9	78.2	74.4	70.4
	1600	64.5	75.1	81.0	85.6	86.8	85.7	81.4	77.4	75.0	72.0
	2000	62.1	73.7	80.1	84.1	84.4	83.9	81.1	78.2	73.8	70.7
	2500	62.3	75.4	81.5	84.4	86.0	84.9	82.8	78.9	74.4	71.7
	3150	62.2	74.3	80.3	83.5	85.4	84.5	83.0	79.4	74.5	71.3
	4000	60.1	72.7	79.1	82.4	83.6	83.6	83.1	78.3	74.1	71.0
	5000	58.1	72.5	78.9	82.4	83.5	84.3	82.9	78.9	74.5	72.0
	6300	56.4	71.2	77.8	81.2	82.7	83.4	82.4	78.8	74.5	71.3
	8000	51.2	68.6	75.5	79.6	80.7	82.3	81.3	77.8	73.7	70.3
	10000	41.3	64.0	71.5	75.4	78.1	78.4	78.6	74.4	70.6	67.4
OVERALL CALCULATED		82.4	88.8	93.0	96.0	96.8	96.4	95.0	92.7	90.2	88.1
PND8		88.0	99.2	105.0	108.2	109.4	109.0	107.4	104.2	100.2	97.2



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F @ 70 PERCENT REL. HUM. DAT) ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20 (0.35)	30 (0.52)	40 (0.70)	50 (0.87)	60 (1.05)	70 (1.22)	80 (1.40)	90 (1.57)	100 (1.75)	110 (1.92)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
SIDELINE 500. FT. (152.40 M)	50	64.9	70.9	73.7	75.4	76.1	73.4	74.1	73.5	72.6	71.4						
NFA (999. RPM)	63	66.2	71.0	73.2	74.9	76.4	75.7	74.4	72.0	70.4	69.0						
NFK (2925. RPM)	80	67.9	72.3	72.8	73.9	75.6	77.5	77.6	76.8	74.9	72.5						
NFD (306. RPM)	100	66.9	73.0	74.8	75.4	76.2	77.3	78.2	77.7	76.0	74.8						
AIRFLOW RATIO	125	61.6	67.4	72.8	74.4	74.9	74.8	74.0	74.0	72.3	70.6						
VEHICLE CONFIG	160	56.6	63.4	66.7	68.6	68.4	69.4	69.3	68.3	66.6	64.6						
LOC DATE	200	57.8	64.3	67.4	69.6	70.0	70.7	69.6	69.6	67.1	65.4						
RUN TAPE	250	54.5	62.1	67.0	70.1	70.7	71.2	69.7	68.6	66.9	64.2						
FAN TIP SPEED	315	51.3	53.4	64.7	68.1	68.7	68.7	68.0	66.2	63.2	60.7						
926. FT/SEC	400	49.7	58.0	66.3	70.2	69.7	69.5	67.8	66.0	62.7	59.5						
UTM: 1M	500	46.8	55.8	65.0	68.9	69.1	68.0	66.8	65.3	61.5	58.5						
GOS	630	46.2	55.7	63.0	67.8	68.6	67.5	65.8	63.8	60.7	57.2						
SCHENECTADY	800	48.4	58.4	68.8	70.6	70.2	68.7	66.5	65.0	61.4	57.7						
7/8/75	1000	53.7	63.5	69.6	75.5	75.8	74.1	71.7	68.5	65.8	61.8						
33/8	1250	52.4	62.5	69.9	75.7	76.6	75.9	73.1	70.4	66.6	62.4						
OVERALL CALCULATED	1600	48.8	60.8	68.2	74.0	75.5	74.1	71.8	68.9	65.1	61.1						
PND8	2000	52.0	62.0	68.9	74.4	76.4	75.4	72.2	68.5	65.0	61.9						
	2500	47.2	60.1	67.1	72.1	73.5	73.5	71.2	68.3	64.4	60.4						
	3150	45.8	60.4	68.4	72.4	73.9	74.9	72.5	69.2	64.4	61.2						
	4000	42.8	58.1	66.4	70.9	73.1	72.7	71.9	68.2	64.0	60.8						
	5000	40.3	55.9	64.1	69.0	71.3	72.1	71.8	67.6	63.3	59.9						
	6300	33.3	52.8	62.1	67.4	69.1	70.7	70.7	66.8	62.3	59.7						
	8000	25.2	47.2	57.6	63.3	68.2	67.8	67.7	64.3	59.9	57.2						
	10000	11.8	38.6	51.3	57.6	61.2	63.5	63.5	60.9	56.3	52.6						
	OVERALL CALCULATED	73.5	79.4	83.0	86.1	87.2	87.0	86.1	84.4	82.2	80.3						
	PND8	74.7	85.6	92.8	97.1	98.4	98.8	97.1	94.2	90.3	87.2						

SIDELINE 200. FT. (60.96 M)	50	74.7	79.9	82.3	83.8	84.4	81.6	82.3	81.7	80.8	79.7						
	63	76.3	80.2	82.0	83.5	84.8	84.1	82.7	80.4	78.7	77.3						
	80	78.3	81.8	81.8	82.6	84.2	85.0	86.1	85.0	83.4	81.0						
	100	77.6	82.7	84.0	84.3	84.9	85.9	86.8	86.2	84.6	83.4						
	125	72.6	77.3	82.1	83.5	83.8	83.6	82.7	82.7	81.0	79.4						
	160	67.9	73.6	78.3	77.9	77.5	78.3	78.2	77.1	75.4	73.5						
	200	69.4	74.7	77.1	79.0	79.1	79.7	78.6	78.5	76.1	74.5						
	250	66.4	72.8	77.0	79.7	80.0	80.4	78.8	77.7	76.0	73.4						
	315	63.6	69.4	74.9	77.8	78.2	78.1	77.2	75.4	72.4	70.0						
	400	62.4	69.2	76.6	80.2	79.3	79.0	77.2	75.4	72.1	69.0						
	500	59.8	67.3	75.6	79.1	79.0	77.7	76.4	74.8	71.0	68.2						
	530	59.8	67.6	74.0	78.2	78.6	77.3	75.5	73.5	70.4	67.1						
	800	62.4	70.6	76.0	81.3	80.5	78.7	76.4	74.9	71.3	67.7						
	1000	66.2	76.1	81.1	86.3	86.3	84.3	81.8	78.6	75.9	72.1						
	1250	67.5	75.6	81.8	86.8	87.3	85.4	83.4	80.7	77.0	72.9						
	1600	64.7	74.4	80.5	85.5	86.6	84.9	82.5	79.5	75.7	71.9						
	2000	68.7	76.2	81.7	86.4	87.9	86.5	83.2	79.4	76.0	73.1						
	2500	64.8	74.9	80.3	84.4	85.2	85.0	82.4	79.5	75.6	71.8						
	3150	64.7	76.1	82.3	85.3	86.2	86.8	84.2	80.8	76.1	73.1						
	4000	63.7	75.2	81.4	84.6	86.1	85.3	84.3	80.5	76.4	73.4						
	5000	62.3	73.7	79.7	83.3	84.8	85.1	84.8	80.3	76.1	72.9						
	6300	58.6	73.0	79.5	83.2	83.9	85.0	84.7	80.7	76.3	73.9						
	8000	55.7	70.9	77.7	81.4	83.1	83.7	83.5	79.9	75.6	73.4						
	10000	49.5	67.2	75.2	79.0	80.9	82.3	81.7	79.0	74.6	71.3						
	OVERALL CALCULATED	84.4	90.1	93.9	97.0	97.9	97.5	96.3	94.2	91.6	89.5						
	PND8	91.0	100.5	106.2	109.6	110.5	110.5	108.6	105.7	101.9	99.0						

Run 33/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY) PROC. DATE = MONTH 7 DAY 21 HR. 10.2

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	0	0
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	(0.	(0.
RADIAL 17. FT. (5. M)	50																		
VEHICLE UTMSIM	63																		
CONFIG G05	80																		
LOC SCHENECTADY	100	93.0	90.3	84.0	83.5	84.8	86.0	86.5	87.0	86.3	85.3								120.5
DATE 7/8/75	125	95.3	93.0	92.3	92.5	91.5	92.3	91.5	90.0	89.0	89.3								125.2
RUN 33/7	160	94.3	93.5	94.5	94.3	92.3	92.8	92.5	90.5	89.0	89.1								120.0
TAPE	200	100.2	101.0	101.5	101.2	99.0	98.5	95.5	94.5	92.3	92.1								131.9
BAR 29.6 HG	250	101.2	101.2	100.7	99.0	98.0	97.2	96.0	94.7	93.0	90.8								131.2
TAMB 86. DEG F	315	99.2	101.7	102.2	101.7	100.2	99.0	98.0	96.7	95.0	94.1								132.0
TNET 73. DEG F	400	95.0	97.0	99.0	99.7	98.7	98.0	96.3	95.0	93.0	92.3								130.6
MACT 16.41 GH/M3	500	90.5	93.0	95.0	94.5	93.5	92.8	90.5	89.8	87.0	85.6								125.5
NFA 11798. RPM	630	91.3	93.8	95.0	95.0	94.5	93.1	91.8	90.5	88.0	86.6								120.2
NFK 11502. RPM	800	89.5	90.8	93.5	94.8	93.7	93.1	91.5	89.8	88.0	86.3								125.5
NFD 11517. RPM	1000	86.0	88.5	92.2	94.2	93.0	91.8	90.3	88.0	85.8	83.1								124.2
NC. OF BLADES 18	1250	85.8	87.6	92.3	95.0	94.2	92.3	90.8	88.8	85.0	82.6								124.8
PAN TIP SPEED 1030. FT/SEC	1600	84.0	87.3	91.3	94.3	94.0	92.1	90.1	88.1	84.8	82.4								124.3
OVERALL MEASURED	2000	85.8	87.6	89.8	94.0	93.0	91.6	88.9	87.4	84.3	81.4								123.6
OVERALL CALCULATED	2500	87.8	89.8	92.0	95.2	93.9	92.6	89.6	87.4	84.3	81.9								124.7
	3150	93.7	96.1	97.8	100.2	99.4	97.1	93.4	91.4	88.0	84.1								129.7
	4000	97.1	98.3	100.7	102.3	103.6	101.3	98.1	94.9	91.1	87.1								132.2
	5000	95.6	97.2	98.9	101.5	102.2	100.7	97.8	93.9	91.1	86.7								132.2
	6300	98.1	99.6	101.1	102.8	102.9	100.9	97.4	93.9	91.0	87.8								133.2
	8000	97.4	100.0	100.9	102.7	102.7	101.2	97.5	94.1	90.9	88.1								133.3
	10000	95.8	99.4	101.2	102.3	102.8	102.0	98.9	95.6	92.1	89.3								133.7
	12500	96.2	99.5	101.3	102.3	102.4	101.8	100.0	96.3	92.6	90.2								134.0
	16000	95.7	98.2	101.2	101.5	102.0	101.6	100.3	95.7	92.3	90.2								134.0
	20000	93.6	98.2	101.0	102.0	101.8	101.6	100.7	96.5	93.0	92.1								134.6
	25000	93.3	98.0	100.4	101.4	101.8	101.2	100.3	96.5	93.2	91.4								134.9
	31500	90.7	96.7	99.6	100.7	100.8	100.2	99.1	96.1	92.7	91.0								134.9
	40000	87.6	93.3	96.4	96.9	97.5	97.5	97.7	92.8	90.0	88.3								133.4
	50000	84.3	89.8	92.0	93.1	94.6	93.2	94.2	88.7	87.1	84.0								131.5
	63000	84.1	82.9	84.7	85.1	87.5	86.0	86.7	80.4	79.9	75.4								120.9
	80000	80.6	80.9	80.7	81.3	82.0	81.7	82.1	79.3	73.9	65.6								120.6
																			149.9
		109.6	111.5	113.0	114.0	113.9	112.8	111.0	107.9	105.1	103.4								
		120.2	121.7	123.5	125.1	125.4	123.9	120.8	118.2	115.1	112.2								

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F @ 70 PERCENT REL. HUM. LAY)																					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.					
		(0.35)	(0.52)	(0.78)	(1.07)	(1.45)	(1.92)	(2.54)	(3.49)	(4.71)	(6.28)	(0)	(0)	(0)	(0)	(0)	(0)	(0)					
SIDELINE	500. FT.	50	64.4	69.0	71.6	73.1	72.3	73.6	71.9	70.3	69.9	63	69.9	75.1	78.3	79.9	79.6	79.2	76.6	75.7	73.4	72.7	
	(152.40 M)	80	70.3	75.0	77.3	77.4	77.6	77.7	76.9	75.8	73.9	71.2	100	67.9	75.1	78.5	79.9	79.6	79.2	78.7	77.6	75.7	74.3
NFA	3323. RPM	125	63.1	70.0	74.9	77.6	77.9	78.1	76.8	75.7	73.6	72.3	160	58.0	65.6	70.6	72.1	72.4	72.6	70.8	70.2	67.3	65.4
	(348. RAD/SEC)	200	58.2	65.9	70.3	72.4	73.2	72.7	71.9	70.8	68.1	66.2	250	55.9	62.5	68.3	71.8	72.2	72.4	71.4	69.8	67.9	65.7
NFK	339. RPM	315	51.8	59.8	66.9	71.0	71.2	71.0	69.9	67.9	65.4	62.2	400	50.9	58.4	66.5	71.5	72.2	71.2	70.2	68.4	64.5	61.5
	(340. RAD/SEC)	500	48.5	57.6	65.1	70.4	71.6	70.7	69.3	67.5	64.0	61.0	800	50.6	59.0	65.0	70.6	70.9	70.6	68.2	66.2	63.1	59.9
AIRFLOW RATIO	WF/WH 12:60	1000	55.7	64.6	70.2	75.2	76.1	74.8	71.7	69.9	66.3	61.8	1250	58.1	66.1	72.6	76.9	78.6	78.6	76.1	73.1	69.1	64.4
VEHICLE CONFIG	UTS/1M. GOS	1600	55.3	64.2	70.1	75.5	78.0	77.6	75.3	71.6	68.6	63.8	2000	56.5	65.7	71.6	76.2	78.2	77.3	74.4	71.2	68.1	64.2
LCC SCHEDULE	DATE 7/8/75	2500	54.5	65.2	70.8	75.5	77.5	77.3	74.2	71.0	67.6	64.1	3150	50.8	63.3	70.1	74.4	78.9	77.4	75.0	71.9	68.2	64.7
RUN TAPE	33/7	4000	48.1	61.3	68.6	73.1	75.3	76.2	75.1	71.7	67.7	64.5	5000	46.1	59.0	67.8	71.7	74.6	75.6	75.1	70.8	67.1	64.2
FAN TIP SPEED	1030. FT/SEC	6300	38.8	56.3	65.1	70.1	72.6	74.0	74.0	70.1	66.4	64.5	8000	30.5	50.2	60.6	68.3	69.8	71.1	71.3	67.8	64.2	61.3
OVERALL CALCULATED		10000	16.9	41.6	54.3	61.2	65.0	66.6	66.8	64.2	60.4	57.4		75.6	81.7	85.8	88.5	89.6	89.4	87.8	85.8	83.1	81.1
PND8			78.6	88.7	95.0	99.3	101.2	101.4	99.6	96.7	93.3	90.1											

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE	200. FT.	50	74.2	77.0	80.3	81.6	80.6	81.8	82.0	80.1	78.5	78.2	63	80.0	84.3	87.1	88.5	88.0	87.5	84.9	84.1	81.7	81.1
	(60.96 M)	80	80.7	84.4	86.3	86.1	86.2	86.2	85.3	84.2	82.4	79.7	100	78.5	84.8	87.7	88.8	88.4	87.9	87.3	86.2	84.3	82.9
		125	74.1	79.9	84.3	86.7	86.8	86.8	85.5	84.4	82.3	81.1	150	69.3	75.7	80.2	81.3	81.5	81.5	79.7	79.1	76.2	74.3
		200	69.8	76.3	80.1	81.7	82.4	81.7	80.9	79.7	77.1	75.2	250	67.9	73.2	78.4	81.4	81.5	81.6	80.5	78.9	77.0	74.9
		315	64.1	70.8	77.0	80.8	80.7	80.3	79.2	77.1	74.7	71.5	400	63.6	69.6	76.9	81.4	81.8	80.7	79.7	77.8	73.9	71.0
		500	61.5	69.2	75.8	80.5	81.5	80.4	78.8	77.0	73.5	70.7	630	63.0	69.2	74.1	80.1	80.4	79.8	77.5	76.2	72.9	69.6
		800	64.6	71.3	76.2	81.2	81.2	80.7	78.2	76.1	73.1	70.0	1000	70.2	77.3	81.8	86.0	86.5	85.1	81.8	80.0	76.4	72.1
		1250	73.2	79.2	84.5	88.1	90.6	89.1	86.4	83.4	79.5	74.9	1600	71.1	77.8	82.4	87.0	89.1	88.4	86.0	82.2	79.2	74.4
		2000	73.2	78.9	84.4	88.1	89.6	88.5	85.4	82.2	79.0	75.3	2500	72.0	80.0	84.0	87.9	89.2	88.7	85.4	82.2	78.9	75.6
		3150	69.6	79.0	84.0	87.3	89.2	89.3	86.7	83.5	79.9	76.6	4000	68.9	78.3	83.6	86.9	88.4	88.8	87.5	84.0	80.1	77.2
		5000	68.1	76.8	83.4	86.0	88.1	88.6	87.9	83.5	79.9	77.2	6300	64.1	76.4	82.5	85.9	87.4	88.2	88.6	83.9	80.3	78.7
		8000	61.0	73.8	80.7	84.4	86.7	87.3	87.0	83.5	79.9	77.5	10000	54.6	70.1	78.3	82.5	84.7	85.4	85.1	82.3	78.7	76.2
OVERALL CALCULATED			86.9	92.6	96.6	99.3	100.4	100.2	98.6	96.0	93.1	90.9		95.4	103.4	108.4	111.7	113.2	113.1	111.4	108.3	104.9	102.0
PND8																							

## Run 34/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PRCC. DATE = MONTH 7 DAY 21. NR. 17.1															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENTY REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																	
63																	
RADIAL 17. FT.																	
( 5. M)		100	84.0	81.1	80.3	80.5	83.0	85.4	86.5	86.8	87.1	87.4					119.1
VEHICLE UTMSIM		125	92.8	91.6	90.6	90.5	91.0	93.0	93.8	93.3	94.3	95.1					126.6
CONFIG GOA		160	86.3	87.1	89.3	88.8	86.0	86.3	87.5	85.8	86.3	87.1					120.8
LOC SCHENECTADY		200	85.0	85.4	86.8	87.5	88.8	89.5	87.5	84.8	83.3	82.6					128.4
DATE 7/8/75		250	91.3	90.1	88.1	87.8	88.7	90.5	90.2	89.0	88.0	86.3					122.7
RUN 34/4		315	90.5	92.1	90.1	87.5	87.0	88.3	89.0	88.8	87.8	87.4					122.5
TAP		400	82.5	86.1	87.8	87.5	85.3	84.1	82.8	82.6	82.0	81.1					118.2
BAR 29.5 HG		500	79.1	82.1	82.1	80.0	79.8	79.8	78.8	77.1	75.3	74.1					117.8
(99.803. N/M2)		630	80.8	84.7	85.1	84.1	82.8	81.8	79.8	77.8	78.3	74.9					115.2
TAMB 84. DEG F		800	78.1	85.4	86.3	85.8	83.7	82.1	79.5	76.8	75.0	73.1					115.8
(302. DEG K)		1000	73.8	82.4	84.3	84.0	82.2	80.8	78.8	75.1	72.5	70.9					114.1
TWT 73. DEG F		1250	75.8	83.4	85.9	86.0	84.7	82.6	80.8	77.9	74.3	71.8					118.1
(296. DEG K)		1600	76.3	83.2	88.1	87.8	86.5	84.1	81.9	79.4	75.5	72.4					117.5
HACT 17.00 GM/M3		2000	83.6	93.0	95.6	95.3	94.0	92.4	89.4	86.5	82.3	78.9					125.3
(0.1700 KG/M3)		2500	83.3	91.5	95.6	96.2	94.9	92.9	89.9	86.7	83.3	78.9					123.7
NFA 7128. RPM		3150	80.8	87.7	92.1	93.7	92.2	89.6	86.8	83.5	79.7	76.4					122.7
( 746. RAD/SEC)		4000	86.4	92.4	96.0	100.6	100.3	95.8	92.6	88.5	83.9	84.4					129.3
NFK 8962. RPM		5000	83.9	91.3	95.4	97.5	95.7	93.0	89.5	85.2	82.1	79.8					126.3
( 729. RAD/SEC)		6300	82.9	90.5	94.9	97.0	94.4	92.9	90.1	85.0	83.2	79.3					125.8
NFD 11517. RPM		8000	82.4	89.9	93.0	94.2	92.9	92.0	88.5	83.8	80.2	77.6					124.1
(1206. RAD/SEC)		10000	81.5	91.1	94.0	94.1	93.6	92.5	88.7	83.9	79.6	77.6					124.7
NO. OF BLADES 18		12500	80.9	89.8	93.1	92.8	92.3	91.3	88.7	83.0	78.8	76.4					123.8
FAN TIP SPEED		16000	80.0	88.3	90.0	91.2	90.0	89.1	86.8	80.3	76.3	73.9					123.8
62. FT/SEC		20000	78.4	86.4	89.0	89.4	88.3	87.5	85.4	79.2	75.5	72.3					126.0
		25000	77.0	84.6	87.2	87.8	87.0	85.4	83.5	77.8	74.7	70.8					128.0
		31500	73.7	83.2	85.3	85.9	85.0	84.3	82.0	76.5	74.1	68.7					128.0
		40000	68.9	78.8	81.3	81.5	81.6	80.4	79.1	72.9	70.8	65.4					128.8
		50000	65.1	75.5	76.7	76.7	78.2	76.3	75.8	68.8	71.1	61.8					114.8
		63000	67.6	69.2	69.9	69.8	71.4	70.2	70.4	64.7	72.1	58.2					112.1
		80000	69.9	71.3	70.6	71.2	71.8	71.3	71.9	68.6	68.2	59.5					118.8
OVERALL MEASURED																	
OVERALL CALCULATED		99.1	103.0	105.6	106.9	105.9	104.2	102.0	99.5	98.4	98.2						237.3
PNDB		109.6	115.3	118.4	120.9	120.1	117.2	114.5	111.1	107.9	106.9						

FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT WGL HUM. 44%)															
	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)	0. (0)
50	56.4	61.6	66.5	67.7	66.1	67.1	68.8	67.2	67.6	68.0						
63	54.7	59.5	63.7	66.2	68.6	70.2	68.6	66.0	64.4	63.3						
SIDELINE 500. FT. (152.40 M)	80	60.4	63.8	64.6	66.2	68.4	71.0	71.1	70.1	68.9	68.8					
NFA (200. RPM)	100	59.1	65.5	66.3	65.7	66.4	68.5	69.7	69.7	68.5	67.6					
NFA (210. RAD/SEC)	125	50.6	59.1	63.8	65.4	64.4	64.1	63.3	63.2	62.6	61.1					
NFA (1961. RPM)	160	46.6	54.7	57.7	57.6	58.7	59.6	59.1	57.5	55.8	53.9					
NFA (205. RAD/SEC)	200	47.8	56.8	60.4	61.4	61.5	61.4	59.9	58.1	56.4	54.5					
NFA (344. RPM)	250	44.5	57.1	61.3	62.9	62.2	61.5	59.4	56.9	54.9	52.5					
NFA (340. RAD/SEC)	315	39.6	53.7	58.9	60.8	60.5	60.0	58.5	55.9	52.2	50.0					
AIRFLOW RATIO	400	40.9	54.2	61.1	62.5	62.7	61.5	60.3	57.5	53.7	50.5					
WF/M 12:00	500	40.8	53.5	62.0	63.9	64.1	62.8	61.0	58.8	54.7	51.0					
	630	47.2	62.7	69.1	71.1	71.3	70.7	68.3	65.6	61.2	57.3					
	800	46.1	60.6	68.6	71.6	72.0	70.9	68.5	65.5	61.9	57.0					
VEHICLE UTHSIN	1000	42.7	56.3	64.6	68.7	68.8	67.3	64.9	62.0	58.8	54.1					
CONFIG CO4	1250	47.4	60.3	68.0	75.2	76.6	73.2	70.6	68.6	61.9	61.7					
LOC SCHENECTADY	1600	43.5	58.3	66.7	71.5	71.5	69.9	67.1	62.9	59.6	56.7					
DATE 7/8/75	2000	41.2	56.5	65.4	70.4	69.7	69.4	67.2	62.3	60.3	55.7					
RUN 34/4	2500	39.5	55.1	62.9	67.1	67.7	68.1	65.2	60.6	56.9	53.7					
TAPE	3150	36.5	54.9	62.9	66.2	67.7	67.9	64.8	60.2	55.7	53.0					
FAN TIP SPEED	4000	32.8	51.6	60.4	63.6	65.3	65.7	63.9	58.4	54.0	50.8					
62. FT/SEC	5000	30.3	49.1	56.8	61.5	62.6	63.1	61.6	55.3	51.1	48.0					
	6300	23.5	43.9	53.1	57.6	59.1	60.0	58.7	52.8	48.8	44.7					
	8000	14.2	36.7	47.3	52.8	55.0	55.3	54.5	49.1	45.6	40.5					
	10000		28.1	40.0	46.4	49.2	50.8	49.7	44.7	41.8	35.1					
OVERALL CALCULATED	65.0	72.5	77.9	81.4	82.0	81.3	79.8	77.4	75.5	74.1						
PND8	65.3	80.1	87.6	91.8	92.1	92.0	89.6	85.8	82.4	79.0						
	50	66.2	70.6	75.1	75.1	74.4	75.4	77.0	75.4	75.8	76.2					
	63	64.8	68.7	72.5	74.7	77.1	78.6	76.9	74.4	72.7	71.6					
SIDELINE 200. FT. (60.96 M)	80	70.8	73.3	73.6	74.9	77.0	79.5	79.6	78.5	77.4	75.3					
	100	69.8	75.2	75.5	74.6	75.1	77.2	78.3	78.2	77.1	76.2					
	125	61.6	69.0	73.1	74.5	73.3	72.9	72.0	71.9	71.3	69.9					
	160	57.9	64.9	67.3	66.9	67.7	68.5	67.9	66.4	64.7	62.8					
	200	59.4	67.2	70.1	70.8	70.6	70.5	68.9	67.0	65.4	63.5					
	250	56.4	67.8	71.3	72.4	71.5	70.7	68.5	66.0	64.0	61.7					
	315	51.9	64.6	69.1	70.6	69.9	69.3	67.7	65.1	61.5	59.3					
	400	53.6	65.5	71.5	72.4	72.3	71.0	69.7	66.9	63.1	60.0					
	500	53.8	65.1	72.6	74.1	74.0	72.4	70.6	68.3	64.3	60.7					
	630	60.8	74.6	80.0	81.4	81.4	80.6	78.0	75.3	70.9	67.1					
	800	60.1	72.9	79.8	82.3	82.2	81.0	78.4	75.4	71.8	67.0					
	1000	57.3	68.9	76.1	79.6	79.3	77.6	75.1	72.1	68.2	64.4					
	1250	62.5	73.3	79.8	86.3	87.3	83.7	80.9	76.9	72.2	72.2					
	1600	59.4	71.9	79.0	83.0	82.6	80.7	77.7	73.5	70.2	67.5					
	2000	58.0	70.8	78.2	82.4	81.1	80.5	78.2	73.2	71.3	66.9					
	2500	57.0	69.9	76.1	79.4	79.5	79.5	76.4	71.8	68.1	65.1					
	3150	55.4	70.6	76.8	79.0	80.0	79.8	76.5	71.8	67.4	64.9					
	4000	53.7	68.7	75.4	77.4	78.4	78.3	76.3	70.7	66.4	63.4					
	5000	52.3	66.9	72.2	75.8	76.1	76.1	74.4	68.1	63.9	61.0					
	6300	48.9	64.0	70.5	73.4	73.9	74.2	72.7	66.7	62.8	59.0					
	8000	44.7	60.4	67.5	70.7	71.9	71.5	70.2	64.7	61.4	56.7					
	10000	37.5	58.7	64.0	67.7	68.9	69.6	68.0	62.7	60.1	53.9					
OVERALL CALCULATED	76.0	83.9	89.2	92.4	92.7	91.8	89.7	86.8	84.6	83.0						



## Run 34/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONYH 7 DAY 21 MR. 1971																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
	50																	
	63																	
RADIAL	17. FT.																	
	( 5. M)	100	85.8	81.4	78.8	80.0	82.0	84.0	85.3	85.8	86.1	85.4						118.0
VEHICLE	UTMSH	125	94.5	93.4	94.3	93.8	91.5	93.5	94.5	91.8	92.6	93.1						127.8
CONFIG	GO4	160	91.5	92.1	93.8	93.5	90.5	91.8	92.3	90.6	90.6	91.1						125.5
LOC	SCHENECTADY	200	88.3	89.1	89.3	90.5	91.5	91.8	89.8	86.5	85.8	85.1						123.0
DATE	7/8/75	250	94.3	94.1	91.8	91.8	92.2	93.8	93.5	92.0	91.3	89.3						125.1
RUN	J4/5	315	93.0	95.1	93.3	91.5	91.0	92.3	92.8	92.0	90.5	90.4						125.8
TAPE		400	85.5	89.6	91.8	92.0	90.5	89.1	87.3	86.6	86.0	84.9						122.6
BAR	29.5 HG	500	82.3	85.4	84.8	84.3	84.0	83.5	83.0	81.8	80.0	78.6						116.7
	(99.83 N/H2)	620	83.8	87.2	87.1	87.3	86.5	85.3	84.0	82.3	80.8	79.4						118.5
TAMB	86. DEG F	800	80.1	86.9	88.6	88.5	87.0	85.6	84.3	81.8	79.8	77.9						118.9
	(303. DEG K)	1000	77.6	85.6	88.3	88.5	87.0	85.3	83.5	81.1	77.5	75.0						118.5
THET	73. DEG F	1250	79.1	84.9	88.9	90.0	88.7	87.1	85.1	82.1	78.1	75.6						119.7
	(296. DEG K)	1600	78.1	84.7	89.4	90.5	90.0	88.1	86.4	83.7	80.5	77.7						120.6
HACT	16.42 CH/H3	2000	80.3	87.2	91.9	93.5	92.0	89.9	87.4	84.5	81.3	77.2						122.7
	(10.642 KG/H3)	2500	87.6	93.2	98.1	99.8	100.2	97.4	94.6	91.5	87.8	83.4						124.8
NFA	8301. RPM	3150	86.3	92.4	96.1	98.7	98.2	95.9	93.1	89.7	86.0	82.4						128.2
	( 869. RAD/SEC)	4000	84.7	91.1	95.0	97.6	95.6	94.8	92.1	87.7	85.1	80.6						127.0
NFK	8093. RPM	5000	89.9	96.3	99.7	102.3	105.0	104.2	99.0	93.2	90.8	84.5						134.1
	( 847. RAD/SEC)	6300	85.4	92.5	96.4	98.1	97.2	95.2	92.1	88.2	85.0	81.6						127.7
NFD	11517. RPM	8000	85.7	93.6	97.5	98.2	97.9	97.3	94.2	89.9	85.9	82.4						128.9
	(1200. RAD/SEC)	10000	85.0	94.3	97.2	98.6	98.4	96.8	93.7	89.1	85.1	82.4						129.0
NO. OF BLADES	18	12500	85.2	93.4	96.6	97.4	97.4	96.1	94.0	88.8	84.6	81.5						128.5
FAN TIP SPEED	16000	16000	83.8	91.8	94.0	95.5	95.3	93.6	92.0	86.3	82.5	79.2						126.8
	725. FT/SEC	20000	82.2	90.7	93.8	94.5	94.1	92.6	91.2	85.8	81.8	78.6						126.2
		25000	81.3	88.6	92.0	92.7	92.3	91.0	89.6	84.3	80.7	77.7						125.1
		31500	80.3	87.1	90.7	91.0	91.1	89.9	88.1	82.9	79.5	75.8						124.6
		40000	73.9	83.4	86.2	86.7	87.2	86.0	85.0	79.6	76.5	72.6						122.1
		50000	72.1	79.7	81.9	81.6	83.6	81.3	81.2	74.3	76.8	68.0						119.9
		63000	69.6	72.8	74.0	74.4	76.5	74.6	74.4	67.7	74.9	61.2						116.1
		80000	70.9	71.8	71.0	71.6	72.0	71.7	72.4	69.1	74.9	60.9						118.1
	OVERALL MEASURED																	
	OVERALL CALCULATED	101.9	105.7	109.3	109.7	110.0	108.9	106.2	102.6	100.7	99.2							148.0
	PND8	112.2	117.6	120.8	122.6	123.7	122.7	119.0	114.7	112.3	108.3							

Run 34/Reading 5

PAGE 3 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 21, HR. 17.1

	FREQ.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT REL. HUM. DAT)									
		ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)
	50	61.7	66.6	71.0	72.4	70.6	72.6	73.6	72.0	71.8	72.0
SIDELINE 500. FT. (152.40 M)	63	57.9	63.3	66.2	69.2	71.4	72.4	70.9	67.8	66.9	65.8
NFA (2338. RPM)	80	63.4	67.8	68.3	70.2	71.9	74.2	74.4	73.1	72.2	69.8
NFK (245. RAD/SEC)	100	61.6	68.5	69.6	69.7	70.4	72.5	73.5	72.9	71.2	70.6
NFD (239. RAD/SEC)	125	53.6	62.6	67.8	69.9	69.2	69.1	67.8	67.2	66.6	64.9
(3244. RPM)	160	49.8	57.9	60.4	61.9	62.9	63.4	63.3	62.3	60.3	58.4
(340. RAD/SEC)	200	50.8	59.3	62.4	64.6	65.2	64.9	64.1	62.6	60.9	59.0
AIRFLOW RATIO	250	46.5	58.6	63.6	65.6	65.5	65.0	64.2	61.9	59.7	57.2
NF/WH 12-60	315	43.3	56.9	62.9	65.3	65.2	64.5	63.2	60.9	57.2	54.2
	400	44.2	55.7	63.1	66.5	66.7	66.0	64.5	61.7	57.5	54.5
	500	44.8	57.5	65.7	69.7	69.6	68.5	66.6	63.8	60.5	56.3
	630	51.2	63.0	71.6	75.6	77.6	75.8	73.6	70.6	66.7	61.8
	800	49.1	61.7	69.1	74.1	75.2	73.9	71.8	68.6	64.6	60.3
VEHICLE CONFIG	1000	46.7	59.7	67.5	72.6	73.3	72.6	70.4	66.2	63.5	58.4
UTMSIM GO4	1250	50.9	64.2	71.7	76.9	81.3	81.6	77.0	71.4	68.8	61.9
LOC SCHENECTADY	1600	45.2	59.5	67.7	72.1	73.0	72.2	69.7	66.0	62.6	58.5
DATE 7/8/75	2000	44.1	59.8	68.1	71.7	73.3	73.8	71.4	67.3	63.1	58.9
RUN 34/5	2500	42.3	59.7	67.3	71.6	73.3	73.0	70.6	66.2	62.0	58.5
TAPE	3150	40.4	57.4	65.7	69.6	71.6	71.7	70.3	65.3	60.9	57.0
FAN TIP SPEED	4000	36.0	53.9	61.7	66.6	68.6	68.3	66.3	62.0	58.0	53.9
725. FT/SEC	5000	32.9	52.0	60.9	65.2	67.1	67.0	66.5	61.3	57.1	53.1
	6300	27.1	46.7	56.7	61.5	63.7	64.0	63.5	58.6	54.7	50.7
	8000	19.4	40.1	51.8	56.9	60.0	60.8	60.0	55.1	51.3	46.6
	10000	1.3	29.7	42.3	48.6	52.8	53.9	54.0	49.1	45.6	40.4
OVERALL CALCULATED		68.3	75.6	80.8	84.4	86.3	86.3	84.3	81.3	79.3	77.4
PND8		68.7	83.3	90.7	94.3	96.5	96.6	94.7	90.4	86.7	83.1
	50	71.5	75.6	79.6	80.8	78.9	80.9	81.8	80.2	80.1	80.2
SIDELINE 200. FT. (60.96 M)	63	68.0	72.5	75.0	77.7	79.8	80.8	79.2	76.1	75.2	74.1
	80	73.8	77.3	77.3	78.9	80.5	82.7	82.9	81.5	80.6	78.3
	100	72.3	78.2	78.7	78.6	79.1	81.2	82.0	81.5	79.8	79.2
	125	64.6	72.5	77.1	79.0	78.6	77.9	76.5	75.9	75.3	73.7
	160	61.1	68.1	70.0	71.1	72.0	72.3	72.2	71.1	69.2	67.3
	200	62.4	69.7	72.1	74.0	74.4	74.0	73.1	71.5	69.9	68.0
	250	58.4	69.3	73.5	75.2	74.8	74.2	73.3	71.0	68.8	66.4
	315	55.6	67.9	73.1	75.1	74.7	73.8	72.5	70.1	66.5	64.1
	400	56.9	67.0	73.6	76.4	76.3	75.5	73.9	71.1	66.9	64.0
	500	57.8	69.1	76.4	79.8	79.5	78.2	76.1	73.4	70.0	66.0
	630	64.8	74.9	82.5	85.9	87.6	85.6	83.3	80.3	76.4	71.6
	800	63.1	73.9	80.3	84.8	85.5	84.0	81.7	78.5	74.6	70.5
	1000	61.2	72.4	79.1	83.5	83.7	82.8	80.6	76.3	73.6	68.6
	1250	66.0	77.3	83.5	88.0	92.0	92.1	87.4	81.7	79.2	72.4
	1600	61.1	73.2	80.0	83.6	84.1	83.0	80.4	76.6	73.2	69.3
	2000	60.8	74.0	80.9	83.6	84.7	84.9	82.4	78.2	74.1	70.1
	2500	59.8	74.5	80.5	84.0	85.1	84.4	81.8	77.4	73.2	70.0
	3150	59.3	73.1	79.6	82.5	83.9	83.6	82.0	77.0	72.6	68.9
	4000	56.9	71.0	76.7	80.4	81.7	80.9	80.7	74.4	70.4	66.6
	5000	54.9	69.8	76.5	79.5	80.6	80.1	79.3	74.0	69.9	66.1
	6300	52.5	66.8	74.1	77.3	78.6	78.3	77.5	72.4	68.6	65.0
	8000	48.9	63.8	71.9	75.0	76.9	76.9	75.8	70.7	67.1	62.8
	10000	39.1	58.3	66.2	69.9	72.5	72.6	72.3	67.2	63.8	59.2
OVERALL CALCULATED		79.3	86.9	92.0	95.3	96.9	96.7	94.3	90.9	88.6	86.4

ORIGINAL PAGE IS OF POOR QUALITY

## Run 34/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 17.1																
		MODEL SOUND PRESSURE LEVELS (5% DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
	50																	
	63																	
RADIAL	17. FT.	80																
	( 5. M)	100	87.3	83.4	79.6	80.0	82.3	84.0	85.3	85.6	85.5	84.3						117.0
VEHICLE	UTMSIM	125	91.5	90.9	90.6	90.0	89.0	90.8	91.0	90.1	89.5	90.1						124.0
CONFIG	GO4	160	93.5	94.6	96.6	95.5	93.3	95.0	96.5	94.3	94.3	94.1						128.6
LOC	SCHENECTADY	200	90.0	90.9	90.8	91.5	92.0	92.3	89.8	87.0	85.3	85.1						123.6
DATE	7/8/75	250	95.0	95.9	93.8	93.3	93.2	94.5	94.5	93.3	92.0	90.0						127.3
RUN	34/6	315	95.0	96.4	95.6	94.5	93.7	94.3	94.5	93.8	92.5	91.8						127.8
TAPE		400	87.5	91.1	93.3	93.8	92.3	91.1	89.3	88.6	87.0	86.6						124.3
BAR	29.5 HG	500	83.8	87.4	87.1	86.5	86.0	85.3	84.8	83.3	82.0	80.3						118.6
	(996.83 N/M2)	630	85.8	85.4	89.1	89.3	88.3	87.6	86.3	84.8	83.0	81.6						120.5
TAMB	87. DEG F	800	82.3	87.1	89.3	89.5	88.5	87.6	86.3	84.1	82.0	80.1						120.3
	(304. DEG K)	1000	79.3	86.1	89.8	89.8	88.2	86.3	85.3	82.1	79.0	77.1						119.7
T-ET	74. DEG F	1250	80.1	85.4	90.6	91.5	90.0	87.9	85.6	83.4	79.8	77.1						120.9
	(296. DEG K)	1600	78.1	84.2	90.1	91.5	90.0	88.6	86.4	83.7	80.0	77.1						121.0
HACT	17.07 CM/M3	2000	79.8	87.0	91.9	93.8	92.5	90.4	88.1	85.0	81.0	77.9						123.0
	(.01707 KG/M3)	2500	87.8	94.2	98.6	101.0	100.5	100.4	97.4	93.2	90.5	84.1						131.2
NFA	8917. RPM	3150	87.3	94.5	98.3	101.2	100.9	99.4	95.9	92.8	88.7	84.4						131.0
	( 934. RAD/SEC)	4000	85.4	92.4	98.8	99.4	98.3	96.8	93.1	90.0	86.6	82.1						128.7
NFK	8686. RPM	5000	89.4	97.3	102.2	103.5	105.7	101.5	98.8	93.7	90.3	85.6						134.3
	( 909. RAD/SEC)	6300	86.7	95.0	98.7	101.3	100.5	97.7	95.1	90.5	87.2	83.5						130.6
NFD	11517. RPM	8000	86.7	95.4	98.5	100.5	100.4	98.8	95.7	91.9	88.9	84.4						130.8
	(1206. RAD/SEC)	10000	86.0	96.3	99.7	100.1	100.1	99.3	96.7	91.9	87.6	84.1						131.2
NO. OF BLADES	18	12500	86.7	94.9	98.4	99.6	99.1	98.3	96.5	91.5	86.6	83.9						130.5
FAN TIP SPEED		16000	86.0	93.6	98.3	97.5	96.8	95.1	95.0	89.3	83.5	81.9						128.8
	778. FT/SEC	20000	84.4	93.2	96.0	96.7	96.3	95.1	93.9	88.8	85.0	81.8						128.6
		25000	83.3	91.4	94.2	95.1	95.0	93.5	92.3	87.3	84.2	80.9						127.7
		31500	83.0	89.8	92.4	93.7	93.3	92.1	90.8	86.1	82.7	78.7						127.0
		40000	79.3	85.9	89.1	89.6	89.4	87.9	87.6	82.3	78.9	75.9						124.6
		50000	78.2	81.9	83.8	84.5	85.8	83.9	83.9	76.9	76.5	71.6						122.2
		63000	78.0	74.7	76.1	76.5	78.1	76.2	76.5	69.8	73.7	66.5						117.9
		80000	72.7	71.6	71.0	71.4	72.6	71.5	72.2	68.9	71.9	69.4						117.8
OVERALL MEASURED																		
OVERALL CALCULATED		102.9	107.2	110.1	111.5	111.5	109.8	107.9	104.4	102.1	100.1							142.4
PND8		112.6	118.9	122.7	124.1	124.8	122.2	119.8	116.3	113.1	109.5							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 15% DEC. P. 70 PERCENT REL. NDB, LAY

	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		20 (0.35)	33 (0.52)	45 (0.79)	55 (0.87)	65 (1.02)	75 (1.22)	85 (1.40)	90 (1.57)	95 (1.65)	100 (1.75)	110 (1.92)	120 (2.10)
	50	63.7	65.1	73.7	74.4	73.3	75.9	77.8	75.7	75.4	74.9		
	63	59.7	65.0	67.7	70.2	71.9	72.9	70.9	68.3	66.4	65.7		
SIDELINE 300 FT.	80	65.1	65.6	70.3	71.7	72.9	75.0	75.4	74.3	72.9	70.8		
(152.46 M)	100	63.8	69.7	71.0	72.7	73.2	74.5	75.2	74.7	73.2	72.0		
NPA	125	55.5	64.1	69.3	71.7	71.4	71.1	69.8	69.2	67.8	66.0		
(2512 RPM)	160	51.3	59.9	62.7	64.1	64.9	65.1	65.1	63.8	62.3	60.1		
(283 RAD/SEC)	200	52.8	60.6	64.4	66.6	67.0	67.2	66.4	65.1	63.1	61.2		
MPX	250	48.7	58.9	64.3	66.6	67.0	67.0	66.2	64.1	61.9	59.4		
(255 RAD/SEC)	315	45.1	57.4	64.4	66.6	66.5	65.5	65.0	61.9	58.7	56.2		
NFB	400	45.2	56.2	64.0	66.5	67.9	66.0	65.0	63.0	59.2	56.0		
(343 RAD/SEC)	500	42.5	54.5	64.0	67.7	67.6	67.3	65.5	63.6	59.2	55.7		
AIRFLOW PATIO	630	43.5	55.7	65.3	69.6	69.8	68.7	67.0	64.1	59.8	56.2		
WF/M 12.65	800	50.6	63.4	71.6	76.4	77.5	75.4	75.0	72.0	69.1	62.2		
VEHICLE	1000	49.2	63.0	70.8	76.2	77.6	77.1	74.2	71.3	67.0	62.1		
UTMSIP	1250	46.4	60.3	68.7	73.9	74.6	73.9	71.1	68.1	64.6	59.4		
COMPIC 604	1600	49.0	64.3	73.4	77.5	78.4	76.3	71.4	67.0	62.0			
LCC SCHENECTADY	2000	45.0	61.0	69.2	74.7	75.7	74.1	72.2	67.8	64.3	59.9		
DATE 7/8/75	2500	43.8	60.0	68.4	73.3	75.2	74.8	72.4	68.8	65.6	60.4		
RUH 3418	3150	41.1	60.2	68.6	72.2	74.2	74.7	72.8	68.2	63.7	59.4		
TAPE	4000	38.6	56.7	65.7	70.4	72.1	72.7	71.6	66.9	61.7	58.3		
FAN TIP SPEED	5000	36.4	54.4	62.9	67.8	69.3	70.1	69.8	64.4	60.3	55.9		
770 FT/SEC	6300	29.6	50.6	60.1	64.9	67.1	67.5	67.2	62.4	58.3	54.2		
	8000	20.5	43.5	54.4	60.1	63.0	63.4	63.3	58.6	55.2	50.8		
	10000	9.1	34.6	47.1	54.2	57.5	58.6	58.5	54.2	50.4	45.1		
OVERALL CALCULATED	PND8	70.1	76.9	82.3	85.8	87.3	87.0	85.8	83.1	81.1	79.1		
		70.2	84.7	92.7	96.8	99.1	98.3	96.8	92.8	89.3	85.0		
	50	73.5	78.1	82.3	82.8	81.6	84.1	86.0	83.9	83.8	83.2		
	63	69.8	74.2	76.5	78.7	80.3	81.3	79.2	76.6	74.7	74.1		
SIDELINE 200 FT.	80	75.5	79.1	79.3	80.4	81.5	83.5	83.9	82.8	81.4	79.0		
(60.96 M)	100	74.3	79.4	81.0	81.6	81.9	83.2	83.8	83.2	81.8	80.7		
	125	66.6	74.0	78.6	80.7	80.3	79.9	78.5	77.9	76.3	75.4		
	160	62.6	70.1	72.3	73.4	74.0	74.0	73.9	72.6	71.2	69.0		
	200	64.4	71.0	74.1	76.0	76.1	76.2	75.4	74.0	72.1	70.2		
	250	60.6	69.6	74.3	76.2	76.3	76.2	75.3	73.2	71.0	68.6		
	315	57.4	60.4	74.6	76.3	75.9	74.8	74.2	71.1	67.9	65.5		
	400	57.9	67.5	75.3	77.9	77.6	76.3	74.4	72.4	68.6	65.5		
	500	55.6	66.1	74.6	77.8	77.5	76.9	75.1	72.6	68.8	65.4		
	630	57.0	68.6	76.2	79.9	79.9	78.6	76.8	73.8	69.7	65.1		
	800	64.6	75.6	82.8	87.0	87.7	88.5	85.9	81.9	79.1	72.2		
	1000	63.8	75.6	82.4	87.1	88.1	87.4	84.3	81.3	77.2	72.3		
	1250	61.5	73.3	80.6	85.1	85.3	84.4	81.4	78.5	75.0	69.9		
	1600	64.9	77.9	85.8	89.1	92.6	89.2	87.0	82.0	78.5	73.4		
	2000	61.7	75.3	82.0	86.6	87.1	85.3	83.2	78.7	75.3	71.1		
	2500	61.3	75.4	81.6	85.6	87.0	86.2	83.7	80.0	76.9	71.8		
	3150	59.9	75.9	82.6	85.1	86.5	86.6	84.5	79.8	75.4	71.4		
	4000	59.4	73.7	80.7	84.2	85.1	85.3	84.0	79.3	74.1	70.9		
	5000	58.3	72.2	78.5	82.1	82.9	83.2	82.6	77.1	73.1	69.0		
	6300	54.9	70.7	77.5	80.7	81.9	81.8	81.2	76.2	72.3	68.5		
	8000	51.0	67.2	74.5	78.2	79.9	79.5	79.0	74.2	70.9	66.9		
	10000	46.8	63.2	71.0	75.5	77.2	77.4	76.8	72.3	68.6	63.9		
OVERALL CALCULATED	PND8	80.9	88.2	93.7	96.9	98.2	97.5	96.0	92.8	90.4	88.1		
		86.5	99.6	106.1	109.1	110.7	110.0	108.3	104.2	100.4	94.4		

## Run 34/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM	PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
	ANGLES FROM INLET IN DEGREES (AND RADIANs)																
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
	50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000
RADIAL 17. FT.	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	118.9
( 5. M)	100	90.5	82.8	80.0	81.0	83.0	85.0	86.0	86.3	86.3	85.1						123.9
VEHICLE UTHSIM	125	92.8	90.0	90.5	90.0	89.0	90.5	91.3	89.6	89.5	90.1						128.0
CONFIG CO4	160	94.3	95.3	96.5	96.5	93.8	94.5	94.5	93.1	92.3	91.8						125.0
LQC SCHENECTADY	200	92.2	92.0	92.7	93.0	93.2	93.0	91.3	88.5	87.0	85.8						128.8
DATE 7/8/75	250	97.2	96.7	95.2	94.7	95.2	95.7	95.5	94.3	93.3	91.0						129.3
RUN 3477	315	96.2	97.5	96.5	95.7	95.2	95.8	96.5	95.3	94.0	93.3						126.2
TAPE	400	90.0	92.3	95.2	96.0	94.0	93.0	91.3	90.3	89.0	88.3						120.6
BAR 29.5 HG	500	85.8	86.3	89.0	88.8	88.0	87.8	87.0	85.8	83.5	82.3						122.4
(99.6 DEG. N/M2)	630	82.0	89.5	90.5	91.3	90.2	89.6	88.0	87.1	85.0	83.6						121.9
TAHB 86. DEG F	800	84.8	88.0	90.8	91.0	90.0	89.3	88.0	85.8	84.3	82.6						120.7
(303. DEG K)	1000	82.0	85.8	89.7	90.5	89.5	88.1	86.5	83.8	80.8	78.8						122.1
T-ET 73. DEG F	1250	82.5	85.8	91.5	92.3	91.2	89.6	87.3	84.9	81.8	78.6						122.2
(296. DEG K)	1500	79.8	85.1	90.5	92.3	91.7	89.9	88.1	85.2	81.5	78.6						123.6
WACT 16.42 GM/M3	2000	80.8	86.6	91.5	94.2	93.2	91.1	88.6	86.5	82.0	78.9						129.8
(801.642 KG/M3)	2500	87.3	93.3	97.5	99.7	99.9	97.9	94.9	92.2	88.0	83.6						132.9
NFA 9482. RPM	3150	89.7	96.1	100.0	102.9	102.9	100.8	98.6	95.2	91.2	87.1						130.5
( 993. RAD/SEC)	4000	87.1	94.0	97.7	101.1	100.6	98.5	95.1	92.2	87.9	83.6						131.4
NFK 9244. RPM	5000	88.8	94.9	98.9	101.7	101.7	99.0	96.5	92.2	89.1	85.2						133.0
( 968. RAD/SEC)	6300	91.1	96.4	101.3	103.3	102.9	100.9	96.9	93.0	90.5	87.0						132.1
NFD 11517. RPM	8000	89.1	96.2	99.9	101.7	101.4	100.7	97.5	93.4	89.4	85.6						132.6
(1206. RAD/SEC)	10000	90.8	96.4	100.4	102.1	101.6	100.7	98.2	94.1	90.1	86.3						132.4
NO. OF BLADES 18	12500	90.7	96.5	100.5	100.8	101.4	99.8	98.5	94.1	89.8	85.7						130.7
FAN TYP SPEED	16000	91.5	94.7	97.9	99.5	98.3	97.6	97.3	92.0	87.5	84.4						130.4
829. FT/SEC	20000	92.9	94.1	97.2	98.2	97.8	97.3	96.2	91.5	87.5	84.8						129.9
	25000	91.0	93.0	95.9	96.9	97.3	96.0	94.3	90.3	87.5	83.6						129.3
	31500	89.0	91.2	94.9	95.7	95.1	94.7	93.1	88.9	85.0	82.0						127.0
	40000	85.8	87.6	90.9	91.1	91.5	91.0	90.2	84.6	83.5	78.5						124.8
	50000	87.5	83.6	86.0	86.9	87.9	86.0	86.5	79.5	80.1	74.2						121.6
	63000	84.3	78.9	79.7	80.1	82.2	81.0	78.7	71.2	78.9	67.4						125.5
	80000	81.3	81.1	80.9	81.6	82.0	81.7	72.9	69.1	74.6	59.6						143.5
OVERALL MEASURED																	
OVERALL CALCULATED	105.3	107.8	110.9	112.4	112.2	110.8	108.9	105.8	103.1	100.9							
PND8	114.3	119.1	122.6	124.8	124.5	122.9	120.7	117.6	114.3	111.1							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P = 70 PERCENT REL. HUM. DAT)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										0. 0. 0. 0. 0. 0. 0. 0. 0. 0.									
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
SIDELINE 500. FT. (152.40 M)	50	64.4	69.7	73.6	75.4	73.8	75.4	75.8	74.5	73.6	72.7										
NFA (2671. RPM)	63	61.9	66.1	69.6	71.6	73.1	73.7	72.4	69.8	68.1	66.5										
NPK (2604. RPM)	80	66.3	70.5	71.8	73.1	74.9	76.2	76.4	75.3	74.2	71.5										
NFD (273. RAD/SEC)	100	64.9	70.8	72.7	73.9	74.6	76.0	77.2	76.2	74.7	73.5										
NFA (2671. RPM)	125	58.1	65.2	71.2	73.9	73.2	73.1	71.8	71.0	69.6	68.3										
NPK (2604. RPM)	160	53.3	60.8	64.6	66.4	66.9	67.6	67.3	66.3	63.8	62.1										
NFD (273. RAD/SEC)	200	55.0	61.7	65.8	68.6	69.0	69.2	68.1	67.3	65.1	63.2										
NFA (2671. RPM)	250	51.2	59.8	65.7	68.1	68.5	68.7	67.9	65.9	64.2	61.9										
NPK (2604. RPM)	315	47.8	57.1	64.4	67.3	67.7	67.2	66.2	63.4	60.4	58.0										
NFD (273. RAD/SEC)	400	47.6	56.6	65.8	68.7	69.2	68.5	66.8	64.5	61.2	57.5										
AIRFLOW RATIO	500	44.2	55.4	64.4	68.4	69.4	68.5	67.3	64.5	60.7	57.2										
NFA (2671. RPM)	630	51.0	63.1	71.0	75.5	77.3	76.2	73.8	71.3	66.9	62.0										
NPK (2604. RPM)	800	52.6	65.3	73.0	78.3	79.9	78.9	77.3	74.1	69.9	65.2										
NFD (273. RAD/SEC)	1000	49.1	62.6	70.2	76.1	77.2	76.3	73.4	70.7	66.2	61.3										
VEHICLE CONFIG	1250	49.8	62.8	70.8	76.3	78.0	76.3	74.5	70.4	67.1	62.6										
LOC SCHENECTADY	1600	50.9	63.4	72.6	77.3	78.8	77.9	74.5	70.8	68.1	64.0										
DATE 7/8/75	2000	47.6	62.4	70.5	75.2	76.8	77.3	74.7	70.8	66.6	62.1										
RUN 34/7	2500	48.0	61.8	70.5	75.1	76.5	76.9	75.1	71.2	67.0	62.5										
TAPE	3150	45.9	60.5	69.6	73.1	75.6	75.4	74.8	70.6	66.1	61.2										
FAN TIP SPEED	4000	43.7	56.8	65.6	70.6	71.6	72.3	72.8	67.8	63.0	59.1										
826. FT/SEC	5000	43.7	55.4	64.3	68.9	70.8	71.8	71.5	67.0	62.8	59.3										
	6300	36.8	51.1	60.7	65.7	68.7	69.0	68.3	64.6	61.4	56.7										
	8000	27.1	44.3	55.9	61.6	64.0	65.5	65.0	61.1	57.8	52.8										
OVERALL CALCULATED	10000	13.3	33.8	46.9	53.0	57.0	58.8	59.3	54.1	52.6	46.3										
PND8	71.4	77.9	83.3	87.1	88.3	88.1	86.9	84.4	81.9	79.6											
	73.3	85.6	93.8	98.1	99.6	99.7	98.5	94.9	91.1	87.0											
SIDELINE 200. FT. (60.96 M)	50	74.2	78.7	82.3	83.8	82.1	83.6	84.0	82.7	81.8	80.9										
	63	72.0	75.3	78.4	80.2	81.5	82.0	80.7	78.1	76.5	74.8										
	80	76.7	79.9	80.8	81.8	83.4	84.7	84.9	83.8	82.6	80.0										
	100	75.5	80.5	81.9	82.8	83.4	84.6	85.8	84.7	83.3	82.2										
	125	69.1	75.1	80.5	82.9	82.0	81.8	80.5	79.7	78.3	77.1										
	160	64.6	71.0	74.2	75.6	76.0	76.5	76.2	75.1	72.7	71.0										
	200	66.6	72.1	75.6	78.0	78.1	78.2	77.1	76.3	74.1	72.2										
	250	63.1	70.4	75.7	77.6	77.8	77.9	77.0	75.0	73.3	71.1										
	315	60.1	68.0	74.5	77.0	77.2	76.5	75.5	72.6	69.7	67.3										
	400	60.3	67.8	76.2	78.7	78.8	78.0	76.2	73.9	70.6	67.0										
	500	57.3	66.9	75.0	78.5	79.2	78.1	76.9	74.1	70.3	66.9										
	630	64.5	75.0	81.9	85.9	87.3	86.1	83.6	81.1	76.7	71.8										
	800	66.6	77.5	84.2	89.0	90.2	88.9	87.2	84.0	79.8	75.2										
	1000	63.7	75.2	81.7	87.0	87.7	86.5	83.6	80.8	76.4	71.6										
	1250	64.9	75.9	82.7	87.5	88.8	86.8	84.9	80.7	77.4	73.1										
	1600	66.8	77.0	85.0	88.8	89.8	88.7	85.1	81.4	78.7	74.8										
	2000	64.3	76.6	83.3	87.1	88.2	86.4	85.6	81.7	77.6	73.3										
	2500	65.5	76.6	83.7	87.4	88.3	86.3	86.3	82.4	78.2	73.9										
	3150	64.7	76.2	83.5	86.0	87.9	87.3	86.5	82.2	77.8	73.1										
	4000	64.6	73.9	80.6	84.4	84.7	84.9	85.2	80.1	75.4	71.8										
	5000	65.6	73.2	79.9	83.2	84.3	84.6	84.3	79.8	75.6	72.3										
	6300	62.2	71.2	78.0	81.5	83.5	83.3	82.2	78.4	75.4	71.0										
	8000	57.6	67.9	76.1	79.7	80.9	81.6	80.8	76.7	73.6	69.0										
	10000	51.0	62.4	70.9	74.4	76.8	77.6	77.6	72.2	70.8	65.1										
OVERALL CALCULATED	82.6	89.1	94.6	98.1	99.1	98.6	97.2	94.2	91.5	88.8											

## Run 34/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
		MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
50																		
63																		
80																		
RADIAL	17. FT.																	
VEHICLE	UTMSIM	100	90.5	83.8	80.3	81.0	83.3	85.0	86.8	86.8	86.5	85.6						119.3
CCNFIC	GO4	125	92.3	90.0	90.3	90.0	89.5	90.5	91.3	89.8	89.8	90.3						124.0
LOC	SCHENECTADY	160	93.5	95.8	96.8	97.3	95.8	92.3	92.8	91.5	91.5	92.3						127.9
DATE	7/8/75	200	94.5	94.0	94.2	94.2	94.7	93.7	91.5	89.0	87.8	87.1						126.1
RUN	34/8	250	98.0	97.2	96.2	95.2	96.0	96.5	96.7	95.0	94.3	91.8						129.4
TAPE		315	96.7	98.5	97.7	97.0	96.7	96.5	97.2	96.0	95.3	94.3						130.3
BAR	29.5 HG	400	91.0	94.0	96.2	96.7	95.2	94.5	92.8	92.0	90.8	90.1						127.5
TAMB	83. N/M2	500	87.8	90.0	90.8	90.3	90.0	89.0	88.8	86.8	85.5	83.6						122.2
TAMB	87. DEG F	630	88.8	91.3	92.0	93.0	92.2	91.1	89.5	88.5	86.8	85.6						124.0
TAMB	104. DEG K	800	86.8	89.3	92.0	92.8	91.7	91.3	90.3	87.8	86.3	84.3						123.7
TAMB	73. DEG F	1000	83.3	86.5	90.7	90.7	90.5	89.6	88.3	85.5	82.5	80.8						121.8
TAMB	1250	1250	83.0	86.6	92.8	93.5	92.2	90.6	89.1	86.3	83.5	80.3						123.3
TAMB	1600	1600	81.0	86.1	91.8	93.3	92.7	90.9	89.1	86.6	82.8	79.9						123.3
HACT	16.13 GM/M3	2000	81.3	87.1	91.8	94.0	94.0	92.1	89.9	87.7	83.8	80.4						124.1
HACT	1.01613 KG/M3	2500	86.0	91.8	95.5	99.2	98.7	97.1	94.4	91.7	87.8	83.6						128.9
NFA	10585. RPM	3150	91.2	96.8	101.0	104.9	105.2	104.8	102.6	100.2	96.2	90.4						135.8
NFA	1056. RAD/SEC	4000	89.6	96.0	99.7	102.8	102.6	101.0	97.8	94.7	90.9	85.8						132.7
NFA	9823. RPM	5000	88.3	94.2	98.6	101.5	101.2	99.5	97.0	93.1	90.1	85.8						131.4
NFA	1029. RAD/SEC	6300	91.4	98.4	101.8	104.3	104.2	103.7	99.6	95.2	92.0	89.0						134.6
NFA	11517. RPM	8000	89.4	96.8	101.1	102.2	101.9	101.5	99.0	94.9	90.7	87.6						133.0
NFA	11206. RAD/SEC	10000	90.0	98.7	102.9	103.8	103.4	103.0	100.7	96.3	92.1	88.6						134.7
NC. OF BLADES	18	12500	90.7	97.8	101.3	103.1	102.9	102.1	101.0	96.5	92.1	88.2						134.3
FAN TIP SPEED		16000	90.3	96.5	99.5	101.0	100.3	99.8	98.8	93.8	89.8	87.2						132.4
FAN TIP SPEED	880. FT/SEC	20000	89.4	95.9	99.2	100.7	100.1	99.1	98.5	94.0	89.3	87.1						132.5
		25000	87.8	95.0	98.5	99.2	98.6	97.7	96.9	92.8	88.8	86.7						131.8
		31500	85.3	93.5	96.9	97.7	97.1	96.7	95.7	91.7	87.3	84.5						131.4
		40000	82.4	89.9	93.5	93.7	94.1	93.3	92.8	87.9	84.3	81.8						129.4
		50000	76.6	86.0	88.2	88.5	90.2	88.8	89.1	83.1	80.4	77.1						126.8
		63000	77.5	80.1	81.1	81.7	83.4	82.4	82.8	77.1	74.3	69.8						123.0
		80000	80.6	81.4	81.1	81.8	82.2	81.9	82.6	79.3	71.9	69.8						126.8
OVERALL MEASURED																		
OVERALL CALCULATED		105.3	109.1	112.0	113.8	113.5	112.7	110.9	107.6	104.7	102.3							148.1
PNDB		115.2	120.0	123.5	126.1	126.1	125.4	123.3	120.6	117.3	113.2							

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. DAT)										
		ANGLES FROM INLET IN DEGREES (AND RADIANS)										
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)
SIDELINE 500. FT.	50	63.7	70.2	73.9	76.1	75.8	73.1	74.0	72.9	72.8	73.2	
	63	64.2	68.1	71.1	72.9	74.6	74.4	72.6	70.2	68.9	67.7	
	80	67.1	71.0	72.8	73.6	75.6	76.9	77.6	78.0	75.2	72.2	
	100	65.4	71.8	74.0	75.1	76.1	76.7	78.0	76.9	76.0	74.5	
NFA (152.40 M)	125	59.1	67.0	72.2	74.6	74.4	74.6	73.3	72.7	71.3	70.1	
	160	55.3	62.6	66.4	67.9	68.9	68.8	69.1	67.2	65.8	63.4	
NFK (297. RAD/SEC)	200	55.7	63.4	67.3	70.4	71.0	70.7	69.6	68.8	66.9	65.2	
	250	53.2	61.0	67.0	69.8	70.2	70.7	70.2	67.8	66.2	63.7	
NFD (290. RAD/SEC)	315	49.0	57.8	65.4	67.5	68.7	68.7	67.9	65.4	62.2	59.7	
	400	48.1	57.4	67.0	70.0	70.2	69.5	68.5	65.9	63.0	59.2	
AIRFLOW RATIO	500	45.5	56.4	65.6	69.4	70.4	69.5	68.3	66.0	62.0	58.5	
	630	49.7	61.6	69.0	75.0	76.1	75.5	73.3	70.8	66.7	62.0	
MF/WH 12.60	800	54.1	66.0	74.0	80.3	82.2	82.9	81.3	79.0	74.9	68.4	
VEHICLE UTHS/M	1000	51.6	64.6	72.2	77.9	79.2	78.8	76.2	73.2	69.2	63.6	
CONFIG G04	1250	49.3	62.1	70.6	76.1	77.5	76.8	75.0	71.3	68.1	63.1	
LOC SCHENECTADY	1600	51.1	65.4	73.1	78.3	80.0	80.6	77.2	73.0	69.6	66.0	
DATE 7/8/75	2000	47.8	62.9	71.8	75.7	77.3	78.0	76.2	72.3	67.9	64.1	
RUN 34/B	2500	47.2	64.1	73.0	76.9	78.3	79.2	77.6	73.4	69.0	64.8	
TAPE	3150	45.9	61.8	70.4	75.3	77.1	77.6	77.3	73.0	68.4	63.7	
FAN TIP SPEED	4000	42.5	58.6	67.1	72.1	73.6	74.5	74.3	69.5	65.3	61.9	
	5000	40.2	57.1	66.3	71.4	73.1	73.5	73.7	69.5	64.6	61.5	
	6300	33.6	53.1	63.2	68.0	70.0	70.8	70.8	67.1	62.7	59.7	
	8000	23.4	46.6	58.0	63.6	66.1	67.5	67.5	63.9	59.1	55.4	
OVERALL CALCULATED	10000	9.9	36.1	49.5	55.6	59.6	61.1	61.9	57.4	53.4	49.7	
	PND8	72.1	78.9	84.2	88.2	89.6	89.9	88.7	86.0	83.4	80.8	
		73.3	87.2	95.4	99.6	101.1	101.6	100.7	97.0	93.0	89.1	
SIDELINE 200. FT.	50	73.5	79.2	82.5	84.6	84.1	81.3	82.3	81.1	81.0	81.4	
	63	74.2	77.3	79.9	81.5	83.0	82.8	80.9	78.6	77.2	76.1	
	80	77.5	80.4	81.8	82.3	84.2	85.4	86.1	84.5	83.6	80.7	
	100	76.0	81.5	83.2	84.0	84.9	85.4	86.5	85.4	84.6	83.2	
	125	70.1	76.9	81.5	83.7	83.3	83.3	82.0	81.4	80.0	78.9	
	160	66.6	72.7	75.9	77.1	78.0	77.7	77.9	76.1	74.7	72.3	
	200	67.3	73.8	77.1	79.7	80.1	79.7	78.6	77.7	75.9	74.2	
	250	65.1	71.7	76.9	79.4	79.5	79.9	79.3	76.9	75.3	72.9	
	315	61.3	68.8	75.5	77.3	78.2	78.6	77.2	74.6	71.4	69.0	
	400	60.8	68.6	77.4	79.9	79.8	79.0	77.9	75.3	72.4	68.7	
	500	58.5	67.9	76.3	79.5	80.2	79.1	77.8	75.5	71.5	68.2	
	630	63.2	73.5	79.9	85.4	86.1	85.3	83.0	80.5	76.4	71.8	
	800	68.1	78.3	85.2	91.0	92.4	92.9	91.2	88.9	84.8	78.5	
	1000	66.2	77.2	83.7	88.7	89.7	89.0	86.3	83.3	79.4	73.8	
	1250	64.4	75.2	82.5	87.2	88.3	87.3	85.4	81.6	78.4	73.6	
	1600	67.0	79.0	85.5	89.8	91.1	91.4	87.9	83.6	80.2	76.8	
	2000	64.6	77.1	84.6	87.6	88.7	89.2	87.1	83.2	78.8	75.3	
	2500	64.8	78.8	86.2	89.2	90.1	90.6	88.8	84.6	80.2	76.2	
	3150	64.7	77.5	84.3	86.2	89.4	89.5	89.0	84.7	80.1	75.6	
	4000	63.3	75.6	82.1	85.9	86.7	87.2	86.7	81.8	77.7	74.5	
	5000	62.2	74.9	81.9	85.7	86.6	86.6	86.5	82.2	77.4	74.6	
	6300	59.0	73.2	80.6	83.8	84.8	85.1	84.8	80.9	76.7	74.0	
	8000	53.9	70.2	78.1	81.7	82.9	83.7	83.3	79.5	74.9	71.5	
OVERALL CALCULATED	10000	47.6	64.7	73.5	76.9	79.4	79.9	80.1	75.5	71.7	68.4	
		83.1	90.3	95.7	99.4	100.4	100.5	99.1	96.1	93.1	90.3	

ORIGINAL PAGE IS OF POOR QUALITY.



## Run 34/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE P MONTH Y DAY 21 NR. 17.1															
		MODEL SOUND PRESSURE LEVELS (90 DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																
	63																
RADIAL	17. FT.																
	( 5. M)	100	91.0	85.8	80.8	81.8	84.0	86.0	87.5	87.5	87.8	86.6					129.2
VEHICLE	UTMSIM	125	93.3	90.5	90.5	90.0	89.5	91.0	91.8	90.5	90.8	90.8					124.5
CONFIG	GO4	160	94.5	96.3	97.5	97.5	97.0	93.5	93.5	92.5	92.3	91.3					128.6
LOC	SCHENECTADY	200	96.0	97.2	98.0	98.2	98.5	96.0	94.5	92.0	90.5	89.2					129.4
DATE	7/8/75	250	99.2	98.5	97.7	97.0	97.2	98.0	97.7	95.7	95.3	92.8					130.6
RUN	34/9	315	98.2	100.2	99.2	97.7	97.5	98.0	98.5	97.2	96.3	95.8					131.5
TAPE		400	92.5	95.3	97.7	98.2	96.5	95.8	94.8	94.0	93.0	91.1					129.0
BAR	29.5 HG	500	89.3	91.0	92.3	92.0	91.5	90.8	90.8	88.8	88.8	85.8					123.9
	(996.63. N/M2)	630	90.3	92.3	93.5	94.5	93.7	92.6	91.5	90.0	88.5	87.3					125.6
TAMB	89. DEG F	800	87.8	90.5	93.0	94.5	94.0	93.1	92.0	89.8	88.0	86.6					125.4
	(305. DEG K)	1000	83.8	88.0	91.5	92.3	91.7	90.8	89.8	87.5	84.5	87.3					123.3
THEY	74. DEG F	1250	84.0	87.3	92.8	94.8	93.0	91.8	90.1	87.8	84.3	82.6					124.3
	(296. DEG K)	1600	82.0	85.6	92.8	94.5	94.0	92.4	90.4	87.6	84.5	82.1					124.5
HACT	16.49 GH/M3	2000	82.5	87.8	92.0	95.2	95.2	93.9	91.1	88.9	85.5	81.6					125.4
	(0.0149 KG/M3)	2500	85.8	90.6	95.3	98.2	97.9	96.4	93.9	91.4	87.3	83.4					128.2
NFA	10891. RPM	3150	92.5	97.8	102.0	104.9	105.7	104.8	102.1	100.5	95.7	90.9					135.9
	(1119. RAD/SEC)	4000	92.1	97.5	101.2	104.3	104.1	103.0	99.3	96.2	92.1	87.6					134.3
NFK	10395. RPM	5000	90.1	95.5	99.1	102.0	102.2	100.5	98.0	94.4	91.1	86.8					132.2
	(1088. RAD/SEC)	6300	93.9	100.1	104.1	106.5	104.9	104.2	101.6	96.9	93.7	89.5					136.1
NFD	11517. RPM	8000	91.4	97.8	101.1	103.2	103.2	102.5	100.0	96.1	92.4	88.9					134.0
	(1206. RAD/SEC)	10000	92.0	100.2	103.9	104.8	105.4	104.3	102.7	98.6	94.1	90.6					138.2
NO. OF BLADES	18	12500	92.2	99.3	103.5	104.8	104.6	104.1	103.0	98.3	93.8	90.2					136.2
FAN TIP SPEED	16000	20000	91.0	98.0	101.0	103.0	102.1	101.6	101.3	96.5	92.3	89.4					134.4
	933. FT/SEC	25000	88.9	97.6	101.2	102.5	101.8	101.3	101.0	96.2	92.1	89.8					134.6
		31500	88.3	96.8	100.0	101.4	101.1	100.5	99.4	95.6	91.3	89.4					134.2
		40000	86.5	95.2	98.9	99.7	99.8	99.5	98.4	93.9	89.8	87.5					133.8
		50000	80.4	91.6	94.7	95.7	95.1	95.6	95.5	90.4	87.1	84.8					131.5
		63000	76.1	88.5	90.2	91.5	92.7	91.3	92.1	85.3	83.2	79.8					129.5
		80000	76.2	81.6	83.6	83.5	85.9	84.4	85.3	78.8	75.5	71.6					125.2
			80.6	81.4	81.2	81.8	82.2	81.9	82.6	79.3	71.9	69.8					127.0
OVERALL MEASURED																	
OVERALL CALCULATED		106.6	110.5	113.4	115.1	114.8	114.0	112.4	109.1	106.0	103.7						146.5
PND8		116.6	121.2	124.5	126.7	126.9	126.0	123.7	121.5	117.8	114.3						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)
SIDELINE 500. FT. (152.40 M)	50	64.7	70.7	74.6	76.4	77.1	74.4	74.8	73.9	73.6	72.2				
	63	65.7	71.4	74.8	76.9	78.4	76.7	75.6	73.2	71.6	70.0				
	80	68.3	72.2	74.3	75.4	76.9	78.4	78.6	76.8	76.2	73.2				
	100	66.9	73.6	75.5	75.9	76.9	78.2	79.2	78.1	77.0	76.0				
NFA (3011. RPM (315. RAD/SEC)	125	60.6	68.2	73.7	76.1	75.7	75.8	75.3	74.7	73.6	71.1				
	160	58.8	63.6	67.9	69.6	70.4	70.6	71.1	69.2	67.1	65.6				
NFK (2928. RPM (307. RAD/SEC)	200	57.2	64.4	68.8	71.9	72.5	72.2	71.6	70.3	68.6	66.9				
	250	54.2	62.3	68.0	71.6	72.5	72.4	71.9	69.8	67.9	65.9				
NFD (3244. RPM (340. RAD/SEC)	315	49.5	59.3	66.1	69.0	69.9	70.0	69.4	67.4	64.2	66.5				
	400	49.1	58.1	67.0	71.2	70.9	70.7	69.5	67.4	63.7	61.5				
AIRFLOW RATIO	500	46.5	56.9	66.6	70.6	71.6	71.0	69.5	67.0	63.7	60.7				
NF/WM 12:60	630	46.2	57.6	65.5	71.0	72.6	72.2	70.0	68.0	64.4	60.0				
	800	48.6	59.8	68.2	73.6	74.9	74.4	72.5	70.2	65.9	61.4				
VEHICLE UTHS/H	1000	54.4	66.4	74.5	79.9	82.3	82.6	80.4	79.0	74.0	68.6				
CONFIG G04	1250	53.1	65.4	73.1	78.9	80.3	80.4	77.3	74.3	70.1	64.9				
LOC SCHENECTADY	1600	49.8	62.4	70.4	76.0	78.0	77.4	75.6	72.1	68.6	63.6				
DATE 7/8/75	2000	52.2	66.2	74.6	79.9	80.2	80.6	78.7	74.3	70.8	65.9				
RUN 34/9	2500	48.5	63.0	71.1	76.1	78.0	78.5	76.7	73.0	69.1	64.9				
TAPE	3150	47.0	64.1	72.8	76.9	79.4	79.8	78.8	74.9	70.2	65.0				
FAN TIP SPEED	4000	44.1	61.1	70.9	75.6	77.6	78.4	78.2	73.7	69.0	64.5				
933. FT/SEC	5000	41.4	58.8	67.6	73.3	74.6	75.6	76.1	71.6	67.1	63.5				
	6300	34.1	55.0	65.4	70.7	72.6	73.7	74.3	69.9	65.4	62.3				
	8000	25.5	49.0	60.1	66.4	69.1	70.4	70.3	66.9	62.2	59.3				
	10000	12.7	40.1	53.6	60.3	63.8	65.9	66.1	62.0	57.5	54.0				
OVERALL CALCULATED	73.4	80.1	85.2	89.0	90.4	90.6	89.5	87.0	84.4	81.9					
PND8	74.9	88.2	96.3	100.7	102.6	102.9	102.0	98.6	94.6	90.8					
	50	74.5	79.7	83.3	84.8	85.4	82.6	83.0	82.1	81.8	80.4				
SIDELINE 200. FT. (60.96 M)	63	75.7	80.6	83.6	85.5	86.8	85.0	83.9	81.6	80.0	78.3				
	80	78.7	81.7	83.3	84.1	85.4	86.9	87.1	85.2	84.6	81.7				
	100	77.5	83.3	84.7	84.8	85.6	86.9	87.8	86.7	85.6	84.7				
	125	71.6	78.1	83.0	85.2	84.5	84.6	84.0	83.4	82.3	79.9				
	160	68.1	73.7	77.4	78.8	79.5	79.5	79.9	78.1	75.9	74.5				
	200	68.8	74.8	78.6	81.2	81.6	81.2	80.6	79.2	77.6	76.0				
	250	66.1	72.9	77.9	81.1	81.8	81.6	81.0	78.9	77.0	75.1				
	315	61.8	70.3	76.3	78.8	79.4	79.3	78.7	76.6	73.4	75.8				
	400	61.8	69.3	77.4	81.2	80.6	80.2	78.9	76.8	73.1	71.0				
	500	59.5	68.4	77.3	80.8	81.5	80.6	79.1	76.5	73.3	70.4				
	630	59.7	69.5	76.4	81.4	82.6	82.1	79.8	77.7	74.2	69.8				
	800	62.6	72.0	79.5	84.2	85.2	84.4	82.4	80.1	75.8	71.5				
	1000	69.0	79.0	86.0	90.8	92.8	92.8	90.6	89.1	84.2	78.8				
	1250	68.2	78.4	85.0	90.1	91.1	90.9	87.7	84.7	80.5	75.4				
	1600	65.7	76.0	82.7	87.5	89.1	88.2	86.2	82.7	79.2	74.5				
	2000	68.9	80.4	87.4	91.9	91.6	91.7	89.7	85.2	81.8	77.1				
	2500	66.0	77.7	84.3	88.4	89.7	90.0	87.9	84.2	80.4	76.3				
	3150	65.9	79.7	86.7	89.8	91.7	91.5	90.5	86.5	81.9	77.9				
	4000	64.9	78.1	85.9	89.4	90.7	91.1	90.5	86.0	81.4	77.2				
	5000	63.3	76.6	83.2	87.6	88.1	88.6	88.9	84.3	79.9	76.5				
	6300	59.4	75.2	82.7	86.5	87.5	88.0	88.2	83.7	79.3	76.5				
	8000	56.0	72.6	80.2	84.5	86.0	86.5	86.1	82.5	78.0	75.5				
	10000	50.4	68.7	77.8	81.6	83.5	84.7	84.4	80.1	75.7	72.8				
OVERALL CALCULATED	84.4	91.4	96.8	100.4	101.4	101.4	100.3	97.3	94.2	91.4					

Run 34/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 17.1																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
		PaL																
	50																	
	63																	
RADIAL	17. FT.																	
	( 5. M)	100	92.8	90.5	84.3	84.0	85.3	86.8	87.0	87.0	86.8	85.6						128.8
VEHICLE	UTMSIM	125	95.5	94.0	93.3	93.3	92.5	93.0	92.5	90.5	90.3	90.3						126.1
CONFIG	CO4	160	94.5	95.0	95.8	95.8	93.5	93.8	93.5	91.3	90.3	90.1						127.1
LOC	SCHENECTADY	200	101.2	102.5	103.2	103.0	102.7	100.5	97.5	94.7	93.3	93.3						133.8
DATE	7/8/75	250	101.7	102.5	102.2	101.0	100.0	99.0	98.0	95.7	94.5	92.5						132.8
RUN	3/4/10	315	100.0	103.0	103.0	102.7	101.5	100.5	99.2	97.5	96.0	95.3						134.0
TAPE		400	95.3	98.3	100.5	101.2	100.5	99.8	97.8	96.0	94.8	93.6						132.1
BAR	29.5 HG	500	91.5	94.0	95.3	95.5	94.7	93.3	92.3	90.0	88.5	86.8						126.5
	(99.83 N/M2)	630	91.8	95.3	96.3	97.0	96.7	95.6	93.3	91.3	89.5	88.1						128.0
TAMB	90. DEG F	800	90.5	92.0	94.3	95.8	95.5	94.6	92.8	90.5	88.8	86.8						128.7
	(305. DEG K)	1000	88.3	89.3	92.3	94.5	94.0	93.1	91.8	89.0	86.8	84.3						125.1
TaET	74. DEG F	1250	87.3	88.8	93.3	96.5	96.0	93.8	91.8	89.8	86.3	84.1						126.2
	(296. DEG K)	1600	89.3	88.8	93.3	96.0	96.5	95.4	92.9	89.9	87.0	84.4						127.6
HACT	16.20 GH/M3	2000	89.3	89.8	93.3	96.5	97.7	96.6	93.6	91.2	87.3	84.1						127.6
	(1.0620 KG/M3)	2500	91.5	91.6	94.8	98.5	98.7	98.1	94.9	92.2	88.8	85.1						129.0
NFA	1249. RPM	3150	97.0	97.3	101.3	104.7	105.2	105.3	102.6	100.0	95.5	90.1						135.9
	(1241. RAD/SEC)	4000	98.2	101.3	103.2	106.5	108.3	107.8	105.1	102.4	98.1	92.3						138.5
NFK	11510. RPM	5000	97.3	99.0	101.4	104.0	105.0	104.0	101.0	96.6	83.8	89.5						135.0
	(1205. RAD/SEC)	6300	101.9	101.4	103.6	106.3	107.0	105.7	102.6	99.0	95.7	92.0						137.2
NFD	11517. RPM	8000	99.7	102.3	105.1	107.2	107.2	105.5	103.0	99.9	96.2	92.9						137.7
	(1206. RAD/SEC)	10000	97.5	102.7	105.4	107.1	107.4	106.5	105.5	101.3	97.1	94.1						138.5
NO. OF BLADES	18	12500	98.9	102.8	105.3	107.1	107.4	106.3	105.8	101.0	97.4	94.4						138.7
FAN TIP SPEED		16000	100.0	102.0	104.0	105.8	106.1	104.9	104.8	100.0	96.1	93.5						137.8
	1034. FT/SEC	20000	97.2	101.4	103.3	105.5	105.1	104.4	104.5	100.0	96.3	94.4						137.8
		25000	95.9	100.3	103.0	104.2	104.4	103.8	103.2	99.4	95.3	94.2						137.6
		31500	96.6	99.5	101.7	103.3	102.9	102.8	102.2	98.0	94.6	92.8						137.4
		40000	90.5	95.5	98.8	99.8	100.4	99.1	99.6	94.5	91.4	89.9						135.6
		50000	91.3	91.3	93.8	94.8	96.9	95.2	96.0	89.7	87.6	84.7						133.4
		63000	95.7	84.0	86.5	87.2	90.5	88.3	89.2	82.0	81.4	76.3						138.4
		80000	100.8	81.6	81.4	82.3	83.2	82.7	82.8	79.5	75.4	71.1						134.5
OVERALL MEASURED																		
OVERALL CALCULATED		111.9	113.6	115.6	117.3	117.6	116.7	115.2	111.6	108.3	105.8							140.4
PNDB		122.4	123.9	125.9	128.6	129.4	128.6	126.2	123.4	119.9	115.8							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F. 70 PERCENT REL. HUM. WAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0)	0. (0)	0. (0)	0. (0)
SIDELINE 500. FT. (152.40 M)	50	64.7	69.5	72.9	74.6	73.6	74.6	74.8	72.7	71.6	70.9				
	63	70.9	76.6	80.1	81.6	82.6	81.2	78.6	76.0	74.4	74.0				
NPA (3338. RPM)	80	70.8	76.2	78.8	79.4	79.6	79.4	78.9	76.8	75.4	73.0				
(125. RAD/SEC)	100	68.6	76.3	79.2	80.9	80.9	80.7	80.0	78.4	76.7	75.5				
NFK (3242. RPM)	125	63.3	71.2	76.4	79.1	79.7	79.8	78.3	76.7	75.3	73.6				
(200. RAD/SEC)	160	59.0	66.6	70.9	73.1	73.7	73.1	72.6	70.5	69.6	66.6				
NFD (3339. RPM)	200	58.7	67.4	71.6	74.4	75.5	75.2	73.4	71.6	69.6	67.7				
(250. RAD/SEC)	250	56.9	63.8	69.2	72.8	74.0	73.9	72.7	70.6	68.7	66.2				
AIRFLOW RATIO	315	54.0	60.6	66.9	71.3	72.2	72.2	71.4	68.9	66.4	63.5				
(340. RAD/SEC)	400	52.4	59.6	67.5	73.0	73.9	72.7	71.2	69.4	65.7	63.0				
NF/WH 12.60	500	53.7	59.1	67.1	72.1	74.1	74.0	72.0	69.2	66.2	63.0				
	630	53.0	59.6	66.7	72.3	75.1	75.0	72.5	70.3	66.2	62.5				
	800	54.3	60.8	67.7	73.9	75.7	76.1	73.5	71.0	67.4	63.2				
VEHICLE CONFIG	1000	58.9	65.9	73.7	79.7	81.8	83.1	80.9	78.5	73.8	67.8				
UTMSH GO4	1250	59.1	69.1	75.1	81.4	84.6	85.1	83.1	80.6	76.1	69.7				
LOC SCHENECTADY	1600	57.0	65.9	72.6	78.0	80.7	80.9	78.6	74.4	71.3	66.4				
DATE 7/8/75	2000	60.2	67.4	74.1	79.7	82.2	82.1	79.7	76.3	72.6	68.5				
RUN 34/10	2500	56.7	67.5	75.1	80.1	82.0	81.5	79.7	76.8	72.9	68.9				
TAPE	3150	52.5	66.6	74.3	79.1	81.4	81.9	81.5	77.7	73.2	69.5				
FAN TIP SPEED	4000	50.8	64.6	72.6	77.9	80.4	80.7	80.9	76.4	72.5	68.8				
1034. FT/SEC	5000	50.4	62.8	70.6	76.0	78.6	78.9	79.6	75.1	70.9	67.5				
	6300	42.4	58.8	67.4	73.7	75.9	76.6	77.8	73.6	69.7	66.8				
	8000	33.0	52.5	63.2	69.2	72.4	73.7	74.1	70.7	66.3	64.1				
	10000	22.7	44.4	56.4	63.8	67.1	69.2	69.9	66.1	62.3	59.3				
OVERALL CALCULATED		76.4	83.2	87.7	91.2	93.0	93.1	91.8	88.9	85.9	83.1				
PNGB		81.3	91.0	98.2	103.0	105.2	105.5	104.7	101.2	97.3	93.7				

	50	74.5	78.5	81.5	83.1	81.9	82.8	83.0	80.9	79.8	79.2				
	63	81.0	85.8	88.9	90.2	91.0	89.5	86.9	84.3	82.7	82.3				
SIDELINE 200. FT. (60.96 M)	80	81.2	85.7	87.8	88.1	88.2	87.9	87.3	85.2	83.9	81.5				
	100	79.3	86.0	88.4	89.8	89.6	89.4	88.5	86.9	85.3	84.2				
	125	74.3	81.1	85.8	88.2	88.5	88.6	87.0	85.4	84.0	82.4				
	160	70.3	76.7	80.4	82.3	82.7	82.0	81.4	79.3	77.7	75.5				
	200	70.3	77.8	81.3	83.7	84.6	84.2	82.4	80.5	78.6	76.7				
	250	68.9	74.4	79.2	82.4	83.3	83.1	81.8	79.7	77.8	75.4				
	315	66.3	71.5	77.0	81.0	81.7	81.5	80.7	78.1	75.7	72.8				
	400	65.1	70.8	77.9	82.9	83.6	82.2	80.7	78.8	75.1	72.5				
	500	66.8	70.7	77.8	82.3	84.0	83.6	81.6	78.8	75.8	72.7				
	630	66.5	71.5	77.6	82.7	85.1	84.8	82.3	80.0	75.9	72.3				
	800	68.4	73.0	79.0	84.5	86.0	86.2	83.4	80.9	77.3	73.2				
	1000	73.5	78.5	85.3	90.6	92.3	93.3	91.1	88.6	83.9	78.1				
	1250	74.2	82.2	87.0	92.6	93.3	95.6	93.4	90.9	86.5	80.2				
	1600	72.9	79.6	84.9	89.5	91.8	91.7	89.2	85.0	82.0	77.2				
	2000	76.9	81.6	86.9	91.6	93.6	93.2	90.7	87.2	83.8	79.6				
	2500	74.3	82.3	88.3	92.4	93.7	93.0	90.9	88.0	84.1	80.3				
	3150	71.4	82.2	88.2	92.0	93.7	93.8	93.3	89.3	84.9	81.4				
	4000	71.7	81.6	87.6	91.7	93.4	93.3	93.3	88.7	84.9	81.4				
	5000	72.4	80.6	86.2	90.3	92.1	91.9	92.4	87.8	83.7	80.5				
	6300	67.7	78.9	84.8	89.5	90.8	91.0	91.8	87.5	83.6	81.0				
	8000	63.6	76.2	83.3	87.3	89.3	89.8	89.9	86.3	82.0	80.3				
	10000	60.4	73.0	80.4	85.1	86.9	88.0	88.2	84.2	80.5	78.1				
OVERALL CALCULATED		88.1	94.4	98.9	102.5	104.1	104.1	102.9	99.8	96.2	93.3				

## Run 35/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 18.2																			
		MODEL SOUND PRESSURE LEVELS (50. DEG. F. 70 PERCENT REL. HUM. DAY)																			
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																			
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. PdB)		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.		
RADIAL 17. FT. 80		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.		
VEHICLE	UTASIA	125	78.3	77.8	77.3	76.1	74.8	72.8	72.4	74.0	72.7	73.6	73.6	76.1						109.7	
CONFIG	GD5	160	77.0	76.0	75.8	76.9	76.6	74.5	72.9	74.0	72.4	70.9	70.3	71.0						107.5	
LOC	SCHENECTADY	200	78.1	86.3	81.3	79.6	76.3	79.0	78.2	80.5	75.9	72.8	71.0	69.9						111.3	
DATE	7/9/75	250	85.5	84.8	84.0	84.1	83.1	82.8	82.4	79.3	82.4	80.1	78.5	76.1						115.3	
RUN	35/1	315	90.0	90.5	89.3	89.4	86.6	84.3	83.9	80.5	83.7	81.8	80.0	79.4						116.1	
TAPE		400	86.0	85.5	85.8	89.1	85.1	83.5	81.9	79.8	77.7	76.1	74.8	73.4						119.3	
BAR	29.5 HG	500	84.1	83.8	83.6	83.4	81.3	79.5	78.9	73.3	76.7	74.1	72.0	69.9						112.3	
	(96063. N/M2)	630	89.3	89.8	88.8	88.4	86.6	85.8	84.2	75.8	80.0	77.0	75.8	74.1						117.3	
TAMB	80. DEG F	800	90.3	90.0	90.1	90.1	89.3	87.8	85.7	74.6	82.0	79.4	76.5	74.1						119.0	
	(300. DEG K)	1000	89.3	88.3	87.1	86.4	85.1	83.5	82.4	73.1	79.0	76.1	72.0	69.4						115.5	
TWET	73. DEG F	1250	84.3	83.6	83.3	81.2	80.6	81.0	79.9	74.4	77.0	74.2	70.0	68.6						112.1	
	(298. DEG K)	1600	83.6	80.6	82.1	80.2	78.4	77.0	75.4	74.9	71.5	70.0	65.8	62.4						109.5	
MACT	8.19 GM/M3	2000	82.1	83.6	84.8	84.7	82.1	81.5	79.9	76.1	75.3	72.8	69.8	66.7						113.1	
	(.01819 KG/M3)	2500	96.1	97.8	98.5	98.5	91.9	93.5	93.6	77.9	87.8	84.8	81.0	77.4						125.3	
NFA	8264. RPM	3150	85.6	86.8	86.5	85.9	84.1	82.2	80.8	85.1	75.8	73.5	71.9	67.4						115.8	
	(865. RAD/SEC)	4000	90.3	86.0	90.4	88.6	87.2	85.6	83.7	88.0	79.0	76.2	73.6	70.3						116.7	
NFK	8102. RPM	5000	94.5	93.4	93.8	94.6	93.2	90.8	89.1	84.0	84.9	81.2	79.6	75.3						122.9	
	(848. RAD/SEC)	6300	93.6	93.0	92.1	94.2	91.4	90.3	87.1	85.7	82.3	78.0	77.2	75.0						122.2	
NFD	11517. RPM	8000	95.2	94.1	95.4	95.9	93.9	92.7	90.1	86.0	84.0	81.4	78.9	77.8						124.2	
	(1206. RAD/SEC)	10000	92.8	93.8	94.0	94.8	93.5	92.3	90.5	88.7	85.1	81.6	78.6	76.8						123.9	
NO. OF BLADES	18	12500	92.8	93.1	93.9	94.1	93.6	92.3	91.2	86.5	86.1	82.3	78.8	76.9						124.1	
FAN TIP SPEED	16000	20000	91.4	90.9	93.2	92.7	91.9	91.4	89.4	85.3	85.9	80.0	77.0	75.1						123.1	
	721. FT/SEC	25000	90.5	90.7	91.5	91.3	90.4	89.9	87.9	84.7	84.5	78.4	74.4	73.0						122.2	
		31500	89.0	88.5	90.9	88.9	89.1	88.0	86.5	83.5	81.8	76.5	71.8	70.5						121.1	
		40000	86.4	87.0	87.0	87.5	87.6	86.9	85.0	82.9	81.0	75.4	69.7	67.0						120.5	
		50000	83.3	82.9	83.2	83.5	83.8	82.8	81.0	79.3	77.2	71.0	65.1	62.1						117.9	
		63000	78.6	78.6	80.0	79.4	78.0	77.0	76.4	74.6	72.3	64.7	61.2	57.9						114.9	
		80000	74.4	71.5	78.7	72.9	70.8	69.8	68.5	67.4	65.0	58.4	59.3	57.9						111.9	
			70.8	69.9	76.7	70.6	69.8	70.4	61.7	61.2	61.3	58.2	60.7	63.4						116.8	
OVERALL MEASURED																					
OVERALL CALCULATED			104.4	104.4	105.2	104.7	103.1	102.2	100.7	96.8	98.3	92.8	90.2	88.3						134.4	
PDB			116.5	117.0	117.8	116.6	114.1	113.6	112.8	108.8	108.0	105.1	102.2	99.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59.0 DEG. F. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
FREQ. (0.)	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
SIDE LINE 900. FT. (132.40 M)	50	38.5	45.9	51.4	53.7	53.4	53.0	54.9	53.7	52.3	51.0	52.0
	63	42.1	50.9	53.8	55.2	57.7	58.0	61.2	57.0	54.1	52.2	50.5
	80	45.8	53.1	57.8	59.6	61.2	62.0	59.7	63.3	61.1	59.4	56.5
NFA 2328. RPM (244. RAD/SEC)	100	50.9	57.9	61.7	62.8	62.4	63.3	60.8	64.4	62.7	60.7	59.0
	125	45.2	53.9	59.1	61.0	61.4	61.1	59.8	58.2	56.8	55.3	53.4
NFK 2282. RPM (239. RAD/SEC)	160	42.0	51.1	55.9	56.9	57.1	57.9	53.1	57.0	54.0	52.3	49.7
	200	47.8	55.8	60.6	61.9	63.1	62.9	55.4	60.1	57.9	55.9	53.7
NFU 3244. RPM (340. RAD/SEC)	250	47.2	56.5	61.9	64.3	64.9	64.1	54.0	61.8	59.4	56.4	48.5
	315	44.6	52.8	57.7	59.7	60.3	60.6	52.2	58.6	56.0	51.7	45.5
AIRFLOW RATIO	400	36.8	48.4	52.0	54.8	57.5	57.8	53.2	56.4	53.8	49.5	45.5
WF/WH 12:60	500	37.8	49.3	55.0	56.0	57.7	57.6	54.8	54.5	52.1	49.0	45.3
	630	50.7	62.2	60.3	65.3	69.3	71.0	50.2	66.7	63.9	59.9	55.0
	800	36.5	49.4	55.1	57.1	57.6	57.6	63.2	54.2	52.4	49.6	45.5
VEHICLE UTMS/M	1000	38.2	52.4	57.2	59.8	60.6	60.4	65.8	57.3	54.8	52.6	48.1
CONFIC G05	1250	42.0	54.8	62.5	65.2	65.3	65.4	61.4	62.9	59.4	57.6	52.7
LOC SCHENECTADY	1600	39.3	53.9	61.3	62.7	64.3	62.9	62.6	59.9	56.6	54.8	52.0
DATE 7/9/75	2000	38.1	53.9	62.0	64.6	66.2	65.4	62.5	61.8	58.0	56.1	54.2
RUN 35/1	2500	35.0	51.2	60.1	63.5	65.4	65.4	62.9	61.9	56.7	55.4	53.0
TAPE	3150	30.4	49.1	58.1	62.6	64.6	65.5	62.1	62.7	58.0	55.1	52.5
FAN TIP SPEED	4000	22.1	45.4	54.9	59.6	62.5	62.7	60.0	61.4	55.7	52.4	49.9
721. FT/SEC	5000	18.5	42.3	52.6	57.5	60.6	60.9	59.2	59.8	54.0	49.7	47.4
	6300	5.9	36.7	47.0	53.8	56.8	57.9	56.8	55.8	50.7	45.7	43.5
	8000		25.1	40.6	48.7	52.8	53.9	53.7	52.9	47.6	41.6	37.8
	10000		10.7	29.8	39.8	44.7	46.5	47.2	46.3	40.4	34.1	30.0
OVERALL CALCULATED PNOB		57.5	67.4	72.9	74.7	76.4	76.8	73.7	74.3	71.5	68.8	66.2
		62.2	75.5	83.0	86.2	88.1	88.6	85.0	86.0	82.3	78.8	76.0
SIDE LINE 200. FT. (60.96 M)	50	49.0	55.7	60.4	62.3	61.8	61.3	63.1	61.9	60.5	59.8	60.7
	63	52.8	61.0	63.0	64.0	66.2	66.5	69.5	65.4	62.4	60.5	58.9
	80	56.8	63.5	67.3	68.6	69.9	70.6	66.2	71.8	69.6	67.9	65.4
	100	62.2	68.6	71.4	72.0	71.3	72.0	69.4	73.0	71.3	69.3	68.2
	125	56.7	64.9	69.0	70.4	70.5	70.0	68.6	66.9	65.5	64.0	62.2
	160	54.5	62.4	66.1	66.5	66.4	66.9	62.0	65.8	63.4	61.2	58.6
	200	60.1	65.4	71.0	71.6	72.5	72.0	64.5	69.0	66.8	64.9	62.8
	250	59.8	65.4	72.6	74.3	74.4	73.4	63.1	71.0	68.5	65.5	62.7
	315	57.6	63.1	68.6	69.9	70.1	70.1	61.6	67.9	65.2	61.8	57.8
	400	52.3	61.1	63.2	65.3	67.4	67.5	62.7	65.8	63.2	59.9	55.0
	500	51.8	62.3	66.6	66.6	67.8	67.4	64.4	64.0	61.7	58.5	55.0
	630	65.2	75.7	78.1	76.2	79.7	81.0	68.1	70.5	73.0	69.7	65.6
	800	53.7	63.4	67.4	68.3	68.2	67.9	73.2	64.1	62.3	59.5	55.5
	1000	54.2	66.9	69.9	71.3	71.5	70.9	70.1	67.5	64.9	62.1	58.4
	1250	58.9	70.0	75.5	77.0	76.5	76.2	71.9	73.3	69.7	67.9	63.2
	1600	57.4	69.6	74.9	75.0	75.9	74.0	73.4	70.5	67.2	65.5	62.8
	2000	57.5	70.6	77.4	78.1	76.6	73.7	72.8	69.7	67.1	65.3	62.0
	2500	56.1	68.8	74.9	76.7	77.7	77.2	74.3	73.2	69.9	66.7	64.4
	3150	54.0	68.0	73.8	76.6	77.5	77.8	74.0	74.4	70.5	68.8	64.4
	4000	49.0	66.3	71.9	74.6	76.3	75.7	72.6	73.7	68.1	64.8	62.5
	5000	48.3	64.3	70.4	73.1	74.8	74.4	72.2	72.5	66.7	62.5	60.5
	6300	42.3	62.0	67.1	71.2	72.6	72.8	70.9	69.7	64.5	59.7	57.8
	8000	35.0	55.6	64.3	68.5	70.9	70.8	69.6	66.6	63.3	57.5	54.9
	10000	22.6	48.4	55.3	63.8	66.0	66.3	65.9	64.5	58.5	52.4	48.7
OVERALL CALCULATED PNOB		71.0	81.2	85.5	86.7	87.8	87.6	84.5	84.7	81.4	78.6	76.1
		79.0	92.2	97.6	99.7	100.7	100.0	97.3	97.5	93.7	89.3	87.7

Run 35/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21. RR. 1964

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RAD/ANS)

	FREQU.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.											0. 0. 0. 0. 0. PaL						
		(0. )	(10.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	
RADIAL 17. FT.	50																		
	60																		
VEHICLE UTASIM	100	69.3	68.6	67.5	66.6	64.3	66.3	69.3	71.0	72.2	72.4	72.6	71.1						104.4
CONFIG GOS	125	78.0	76.8	77.0	75.8	75.3	74.0	72.8	72.5	72.9	72.9	72.6	73.4						107.7
LOC SCHENECTADY	160	79.1	76.8	75.9	77.6	77.1	75.8	73.5	74.3	74.7	72.6	73.6	73.6						108.6
DATE 7/9/75	200	79.1	81.0	81.0	80.4	79.3	79.5	78.5	78.8	76.9	73.6	72.6	71.4						111.5
RUN 35/2	250	86.5	85.8	84.8	84.9	83.8	83.8	83.2	83.8	82.9	81.1	79.0	77.3						116.5
TAPE	315	91.0	91.5	89.8	90.1	87.8	86.0	85.0	85.3	84.4	83.3	80.8	80.4						119.0
SAN 29.5 MG	400	88.1	87.3	87.3	87.4	86.3	85.3	83.3	82.0	79.7	77.0	76.3	74.0						116.6
197883 N/M21	500	85.0	85.8	85.3	84.9	82.6	82.0	81.0	80.8	78.4	76.4	75.8	71.6						114.5
TAMB 1. DEG F	600	89.8	89.5	86.0	80.7	87.3	86.1	84.5	82.8	80.7	78.4	76.6	74.9						118.0
(300. DEG K)	1000	89.1	86.0	85.6	84.9	84.1	84.0	82.7	81.6	79.5	76.0	73.0	70.1						116.6
TRTY 73. DEG F	1200	81.1	81.8	81.3	82.4	80.6	80.5	79.7	78.4	76.7	74.4	70.0	67.1						115.6
(296. DEG K)	1600	82.4	81.3	80.8	81.7	80.1	78.5	76.7	74.6	72.6	71.2	67.8	64.4						112.2
HACT 17.89 GM/M3	2000	81.4	82.1	83.1	84.5	82.1	80.8	79.0	77.1	75.0	73.0	70.6	66.4						110.4
(.01789 KG/M3)	2500	95.9	95.3	97.0	95.2	91.9	92.5	91.7	89.1	86.6	84.8	80.5	77.2						112.0
NFA 9210. RPM	3150	91.8	92.0	93.5	91.9	89.1	88.5	87.9	85.6	83.6	81.8	77.2	73.9						124.4
( 954. RAD/SEC)	4000	90.3	89.0	86.9	89.6	87.7	86.6	85.3	83.3	80.7	78.5	75.1	72.1						121.1
NFA 9221. RPM	5000	93.5	92.9	92.0	93.8	92.7	90.8	88.7	86.7	84.7	81.5	78.6	76.0						118.5
( 944. RAD/SEC)	6000	92.0	93.7	93.7	94.2	92.1	90.8	88.4	86.7	84.3	81.0	79.0	76.3						122.0
NFB 11017. RPM	8000	93.7	95.3	95.7	95.1	93.9	92.9	90.4	88.8	85.9	83.2	81.2	79.1						122.7
(1206. RAD/SEC)	10000	94.3	95.6	95.5	95.5	94.2	92.6	91.8	89.5	87.3	84.1	80.6	78.1						124.6
NO. OF BLADES 18	12500	93.6	95.4	95.1	95.8	95.1	94.1	92.6	90.8	89.4	85.3	81.8	78.9						123.1
FAN TIP SPEED	16000	92.5	92.7	93.2	93.7	93.2	92.7	91.0	89.3	86.1	83.9	80.0	77.4						126.0
804. FT/SEC	20000	91.1	91.7	92.3	92.6	92.4	91.9	90.2	88.2	86.5	82.2	77.7	75.8						124.6
	25000	90.1	90.5	86.9	91.0	90.6	90.0	88.1	85.3	84.8	80.7	75.0	73.6						124.1
	31500	88.4	88.8	88.5	89.3	89.2	88.5	87.1	85.2	83.0	79.5	74.2	70.6						122.9
	40000	82.1	84.0	84.0	85.1	85.1	83.8	83.1	81.1	80.3	74.8	69.6	65.4						122.4
	50000	79.6	79.7	79.6	80.2	79.9	77.8	76.1	74.7	75.4	68.9	64.3	60.2						119.6
	63000	74.3	71.6	72.6	72.6	71.5	70.6	71.0	67.1	67.3	61.0	56.4	56.0						116.1
	80000	73.4	70.1	69.3	70.7	70.6	71.0	61.6	61.5	58.3	60.0	63.4							111.3
OVERALL MEASURED																			
OVERALL CALCULATED		104.7	105.1	105.2	105.2	103.9	103.0	101.5	99.7	97.9	94.8	91.7	89.5						113.6
PNU		116.6	116.5	117.2	116.4	114.3	113.7	112.5	110.5	106.4	100.1	102.9	100.1						135.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEC F, 70 PERCENT REL. HUM, DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
SIDE LINE 500. FT.	50	39.0	45.7	52.1	54.2	54.7	53.0	55.1	56.0	54.0	54.0	54.5						
(192.40 M)	60	42.9	50.7	54.5	56.2	56.2	56.4	59.4	58.0	54.0	53.0	52.0						
NFA 2594. RPM	100	46.8	53.9	58.0	60.3	62.2	62.9	64.2	63.0	62.1	59.0	57.0						
( 272. RAD/SEC)	125	51.9	58.4	63.5	64.1	64.2	64.4	65.5	65.1	64.2	61.5	60.6						
NFK 2541. RPM	150	46.9	55.4	60.4	62.3	63.2	62.4	62.1	60.2	58.3	56.0	54.0						
( 250. RAD/SEC)	200	44.6	52.8	57.4	58.2	59.0	59.9	60.6	58.7	56.0	54.1	51.4						
NFD 3244. RPM	250	47.0	55.0	60.8	62.6	63.4	63.2	62.4	60.0	58.0	56.7	54.5						
( 340. RAD/SEC)	315	47.2	55.7	62.4	64.3	65.1	64.7	64.7	62.3	59.7	56.0	54.0						
AIRFLOW RATIO	400	37.1	46.4	53.2	54.8	57.0	57.7	57.2	56.2	54.0	49.5	46.0						
WF/KH 12.60	500	35.0	45.3	52.0	54.0	54.7	54.4	53.3	52.0	50.0	47.0	43.0						
VEHICLE UTHS/M	600	35.1	46.7	54.2	55.5	56.6	56.3	55.5	54.0	52.1	49.7	44.0						
CONFIG GOS	800	47.0	59.9	64.4	64.8	67.9	68.7	67.2	65.4	63.0	59.1	55.2						
LOC SCHEENECTADY	1000	42.8	53.5	60.5	61.6	63.4	64.0	63.3	61.9	60.3	55.5	51.0						
DATE 7/9/75	1250	37.5	49.9	57.5	59.7	61.2	61.0	60.7	58.7	56.7	53.1	49.5						
RUN 35/2	1500	39.3	52.3	60.8	63.9	64.7	64.5	63.6	62.2	59.2	57.1	52.9						
TAPE	2000	37.6	52.0	60.3	62.7	64.2	63.7	63.1	61.4	58.3	56.1	52.7						
FAN TIP SPEED	2500	36.0	52.7	60.3	63.9	65.8	65.2	64.8	62.6	60.1	57.9	55.2						
804. FT/SEC	3150	32.7	50.5	59.4	63.1	64.6	65.9	64.9	63.4	60.5	58.9	53.5						
OVERALL CALCULATED	4000	20.2	47.1	57.6	62.4	64.8	65.5	65.1	64.5	60.7	56.9	53.3						
PND	5000	21.1	43.5	54.6	59.8	63.0	63.5	63.3	63.0	58.4	54.8	51.4						
	6300	6.5	37.5	50.0	56.0	60.1	61.0	60.6	59.0	55.8	51.0	48.2						
	8000		27.1	43.1	51.0	55.0	56.2	56.2	55.5	52.0	46.5	43.7						
	10000		14.6	34.2	43.9	49.0	51.3	51.7	50.8	47.6	41.9	37.2						
	OVERALL CALCULATED	57.4	66.8	72.7	74.8	76.5	76.8	76.4	75.1	72.7	69.8	67.2						
	PND	60.9	75.4	83.3	85.6	86.5	89.1	88.6	87.5	84.3	80.7	77.6						

SIDE LINE 200. FT.	50	49.5	55.5	61.1	62.8	63.1	61.9	63.4	64.2	62.2	63.1	62.7						
( 60.96 M)	60	53.5	60.8	63.7	65.0	66.7	66.8	67.8	66.4	63.2	62.2	60.4						
	80	57.8	64.3	68.1	69.3	70.9	71.5	72.7	72.3	70.6	68.4	66.3						
	100	63.2	69.1	73.2	73.2	73.1	73.1	74.2	73.7	72.0	70.1	69.2						
	125	58.5	66.4	70.3	71.6	72.2	71.3	70.8	68.9	67.0	65.5	63.4						
	150	56.5	64.1	67.6	67.8	68.9	69.0	69.5	67.6	65.7	62.9	60.3						
	200	59.8	67.4	71.2	72.4	72.8	72.4	71.5	69.8	67.0	65.6	63.5						
	250	59.8	67.6	73.1	74.3	74.7	74.0	73.9	71.5	68.8	66.0	63.2						
	315	57.3	63.6	67.1	68.9	70.6	70.4	70.1	68.4	65.7	62.0	58.8						
	400	50.6	59.1	64.5	65.3	66.9	67.3	66.7	65.6	63.4	58.9	55.5						
	500	49.5	58.3	63.6	64.6	64.8	64.2	62.9	61.5	60.1	56.5	52.7						
	630	49.7	60.3	66.1	66.5	66.9	66.4	65.3	63.7	61.8	59.4	54.6						
	800	62.2	73.9	76.6	76.0	78.5	79.0	77.2	75.4	73.5	69.1	65.3						
	1000	58.8	70.0	73.1	73.1	74.3	75.1	73.0	72.0	70.4	65.7	61.9						
	1250	54.4	65.0	70.6	71.6	72.3	72.3	71.2	69.1	67.0	63.5	60.0						
	1500	57.3	68.2	74.4	76.2	76.3	75.6	74.4	72.9	69.8	67.7	63.9						
	2000	57.0	68.7	74.5	75.5	76.1	75.1	74.2	72.3	69.2	67.0	63.9						
	2500	57.7	70.3	75.1	77.1	78.1	77.0	76.2	73.8	71.3	69.1	66.6						
	3150	56.3	69.4	75.1	77.0	77.5	76.2	76.8	75.1	72.1	68.0	65.4						
	4000	53.7	67.9	74.7	77.4	78.6	78.6	77.8	76.9	73.0	69.3	65.9						
	5000	49.9	65.5	72.4	75.4	77.2	77.0	76.3	75.7	71.1	67.0	64.5						
	6300	44.9	62.8	70.2	73.9	75.9	75.8	74.9	73.8	69.7	65.0	62.4						
	8000	37.5	57.6	66.8	71.1	73.1	73.0	72.4	71.3	67.0	62.3	59.8						
	10000	27.3	52.4	62.8	67.0	70.3	71.0	70.4	69.0	65.7	60.2	56.0						
	OVERALL CALCULATED	70.8	80.7	85.5	87.8	88.1	88.0	87.2	85.8	83.1	79.9	77.3						
	PND	80.4	92.7	98.3	100.4	101.5	101.4	100.6	99.4	96.0	92.5	89.3						



## Run 35/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)														PROC. DATE - MONTH 7 DAY 21 HR. 15.0				
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0. ) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0. ) (0. ) (0. ) (0. ) (0. )																				
RADIAL 17. FT.		50																		
( 5. M )		60																		
VEHICLE	UTMSH	125	78.3	78.0	76.8	75.1	74.6	73.5	71.8	72.0	72.7	73.1	72.8	74.1						104.3
CONFIG	605	160	78.3	76.5	76.0	77.9	77.1	75.5	74.3	73.0	72.9	71.1	71.3	71.1						107.5
LCC	SCHENECTADY	200	80.1	82.3	81.6	81.9	80.6	80.8	80.3	80.0	78.4	75.3	74.5	72.9						108.0
DATE	7/9/75	253	88.0	87.0	86.0	86.1	85.1	85.0	84.7	85.0	84.4	82.0	80.5	78.6						117.6
RUN	35/3	315	91.8	92.5	90.8	90.6	88.3	86.3	85.5	85.3	84.9	83.6	81.6	80.6						120.1
TAPE		400	89.3	88.5	88.8	89.4	88.3	87.5	85.3	83.6	82.2	80.6	78.5	77.6						118.9
BAR	29.5 HG	500	87.1	86.3	86.3	86.4	83.8	82.8	83.0	83.3	82.9	81.1	79.3	78.9						116.0
	(99663. N/M2)	600	86.3	86.5	86.3	86.9	85.6	85.3	83.3	82.1	80.2	77.9	76.1	74.4						116.5
TAMB	81. DEG F	800	86.8	85.8	84.8	85.4	85.1	84.8	83.5	82.3	80.7	78.4	75.5	73.6						113.5
	(300. DEG K)	1000	85.8	84.5	83.6	83.9	81.8	82.0	81.7	80.1	79.0	76.6	72.9	70.6						113.4
TMET	73. DEG F	1200	79.8	81.6	83.3	83.7	82.6	81.5	80.5	79.4	78.0	75.7	71.3	68.6						113.4
	(296. DEG K)	1600	84.8	84.3	83.3	83.5	82.1	81.0	79.5	78.9	75.5	73.7	69.6	66.7						112.7
MACT	17.89 GM/M3	2000	86.4	86.6	85.6	84.2	82.4	81.3	79.5	77.1	74.3	73.3	70.0	67.2						113.4
	(1.01789 KG/M3)	2500	88.9	90.3	89.5	89.5	87.1	86.2	84.2	81.6	79.3	77.6	74.5	70.9						118.1
NFA	10026. RPM	3150	98.8	102.3	98.3	99.9	97.8	97.7	96.7	93.1	92.1	90.3	88.2	83.4						129.2
	(1113. RAD/SEC)	4000	91.3	91.5	91.2	91.1	90.2	89.1	88.3	85.6	84.2	82.0	78.6	74.3						120.9
NFA	10406. RPM	5000	93.0	93.4	93.4	92.6	92.7	91.6	91.5	88.7	87.0	83.7	81.1	77.3						123.4
	(1109. RAD/SEC)	6000	97.1	99.0	98.4	98.0	96.4	95.0	93.7	92.2	90.0	87.3	85.7	82.1						127.4
NFD	11517. RPM	8000	92.9	93.6	94.4	94.6	92.4	91.4	89.7	88.0	85.9	83.9	80.9	77.6						123.6
	(1206. RAD/SEC)	10000	96.8	96.1	96.3	95.8	95.5	94.1	92.3	90.5	88.6	85.9	82.6	80.6						126.2
NO. OF BLADES	18	12500	95.1	95.0	95.4	96.3	95.6	95.1	93.6	91.6	90.6	87.3	84.5	81.2						126.9
FAN TIP SPEED	16000	20000	94.0	93.7	94.0	94.5	93.4	93.0	91.5	89.5	88.9	85.5	82.5	79.9						125.0
	928. FT/SEC	25000	93.6	93.2	93.3	93.4	92.9	92.4	90.7	89.0	88.0	84.7	81.9	79.0						123.9
		31500	92.3	91.8	90.9	91.7	91.6	90.7	88.9	87.1	86.1	83.2	80.1	77.6						123.9
		40000	90.9	89.6	89.0	90.3	89.9	89.2	87.1	86.2	85.0	81.5	77.3	73.6						120.5
		50000	86.4	86.0	85.2	86.1	85.3	84.6	83.6	81.9	81.5	77.3	73.6	70.2						116.9
		63000	81.4	80.4	80.3	80.9	80.1	78.9	78.4	76.0	76.4	71.0	66.8	64.5						112.1
		80000	77.3	72.6	72.6	73.1	71.5	70.9	71.5	70.6	68.1	62.0	61.9	58.7						114.0
		100000	74.4	70.1	69.3	70.7	70.0	70.6	71.0	70.7	61.7	58.3	60.9	59.9						114.0
OVERALL MEASURED																				136.8
OVERALL CALCULATED			106.1	107.2	106.0	106.5	105.3	104.5	103.1	101.1	99.8	97.2	94.6	91.6						
PND			118.8	120.9	116.5	119.3	117.6	117.1	116.0	113.3	112.0	110.0	107.4	104.0						

Run 35/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PNCG, DATE = MONTH 7 DAY 21 HR, 1969

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										0.	0.	0.	0.	0.	
		10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)						110. (1.92)
SIDE LINE 500. FT. (152.40 M)	50	39.0	40.2	52.4	54.2	54.4	54.3	53.9	54.2	52.5	52.6	52.0					
	63	44.1	51.4	50.0	57.4	59.4	60.1	60.7	59.5	56.0	55.7	53.5					
	80	48.1	55.1	59.8	61.6	63.4	64.4	65.5	65.3	63.0	61.4	59.0					
NFA 2993. RPM (313. RAD/SEC)	100	52.9	59.4	64.0	64.6	64.4	64.9	65.5	65.6	64.5	62.5	60.6					
	125	46.2	56.9	62.4	64.3	65.4	64.4	63.8	62.7	61.3	59.1	57.6					
	160	45.1	53.6	58.9	59.4	60.4	61.9	63.1	63.2	61.0	59.6	56.7					
NFK 2932. RPM (307. RAD/SEC)	200	44.0	53.3	59.1	60.9	62.6	62.0	61.7	60.3	58.1	56.2	54.0					
	250	43.0	51.2	57.1	60.0	61.9	62.0	61.7	60.0	58.4	56.4	53.0					
NFD 3244. RPM (340. RAD/SEC)	315	40.8	46.3	52.2	56.4	58.8	60.0	59.2	58.6	56.5	52.2	49.8					
	400	37.1	46.4	54.5	56.6	58.0	58.4	58.3	57.4	55.3	50.7	47.5					
AIRFLOW RATIO NF/WH 12.60	500	38.6	47.8	53.8	56.0	57.2	57.1	55.5	54.7	53.1	49.0	45.3					
	630	39.6	49.2	54.0	55.8	57.1	56.6	55.5	53.2	52.4	48.9	45.5					
	800	42.0	52.4	58.6	60.1	61.6	61.2	59.7	57.9	56.0	53.1	49.0					
VEHICLE CONFIG	1000	52.5	60.2	68.5	70.3	72.7	73.3	70.8	70.4	68.0	66.5	61.1					
LOC SCHENECTADY	1250	40.0	52.1	59.0	62.2	63.7	64.0	63.2	62.2	60.2	58.6	51.7					
DATE 7/9/75	1600	39.8	53.0	59.8	63.9	65.7	67.2	65.6	64.5	61.4	58.6	54.2					
RUN 35/3	2000	42.9	56.7	64.0	66.9	68.4	68.9	68.6	67.1	64.0	62.6	58.3					
TAPE	2500	34.9	51.5	59.8	62.4	64.3	64.5	64.0	62.6	60.9	57.6	53.7					
FAN TIP SPEED 928. FT/SEC	3150	33.2	51.3	60.6	64.4	66.1	66.4	65.9	64.9	62.2	58.9	56.2					
	4000	26.4	47.3	58.1	63.1	65.8	66.5	66.2	65.8	62.7	59.7	55.5					
	5000	21.1	44.3	55.3	60.1	63.2	64.0	63.5	63.7	60.6	57.3	53.9					
	6300	10.0	38.5	50.8	57.1	60.6	61.5	61.4	61.3	58.3	55.3	51.4					
	8000		28.1	43.9	52.0	55.7	56.9	57.0	57.0	54.5	51.0	47.7					
	10000		15.1	35.2	44.6	49.8	51.3	52.7	52.8	49.0	45.9	41.2					
OVERALL CALCULATED PND		58.5	67.1	73.8	76.2	78.1	78.6	77.7	77.0	75.0	72.5	69.1					
		63.6	76.4	84.2	87.6	89.6	90.1	89.6	89.0	86.3	83.4	79.7					
SIDE LINE 200. FT. (60.96 M)	50	49.5	56.0	61.4	62.8	62.8	62.6	62.1	62.4	60.7	60.8	66.2					
	63	54.8	61.5	65.2	66.2	68.0	68.6	69.1	67.9	64.9	64.0	61.9					
	80	59.1	65.5	69.3	70.6	72.1	73.0	74.0	73.8	72.1	69.9	67.5					
	100	64.2	70.1	73.7	73.7	73.3	73.6	74.2	74.2	73.0	71.1	69.5					
	125	59.7	67.9	72.3	73.6	74.5	73.3	72.6	71.4	70.0	67.6	66.4					
	160	57.0	65.1	69.1	69.0	69.6	71.0	72.0	72.1	70.4	68.4	65.6					
	200	56.8	64.9	69.5	70.6	72.0	71.1	70.7	69.3	67.1	65.1	63.0					
	250	55.6	63.1	67.8	70.0	71.4	71.3	70.9	69.7	67.5	64.5	62.4					
	315	53.8	58.6	63.1	66.6	68.6	69.4	68.6	67.9	65.7	61.5	59.1					
	400	50.6	61.1	65.7	67.3	67.9	68.1	67.8	66.8	64.7	60.1	57.0					
	500	52.5	60.6	65.3	66.6	67.3	67.0	65.2	64.3	62.6	58.5	55.6					
	630	54.2	62.8	65.9	66.7	67.4	66.9	65.3	62.9	62.1	58.7	55.4					
	800	57.2	66.4	70.9	71.3	72.3	71.5	69.7	67.9	66.5	63.1	59.0					
	1000	68.5	74.7	81.1	81.8	83.6	83.8	81.1	80.5	78.9	76.7	71.4					
	1250	56.9	67.3	72.1	74.1	74.8	75.3	73.7	72.6	70.5	67.0	62.2					
	1600	57.8	68.9	73.4	76.2	77.3	76.3	76.4	75.1	72.0	68.2	65.0					
	2000	62.3	73.5	78.2	79.7	80.4	80.4	79.7	78.1	75.5	74.8	69.6					
	2500	55.9	69.0	74.6	75.6	76.6	76.2	75.5	73.8	72.1	68.9	65.1					
	3150	56.8	70.1	76.3	78.3	79.0	78.7	77.8	76.6	73.9	70.6	66.1					
	4000	54.0	68.1	75.2	78.1	79.6	79.6	78.8	78.2	75.0	72.1	68.2					
	5000	50.9	66.3	73.1	75.7	77.5	77.5	76.6	76.5	73.3	70.1	67.0					
	6300	46.4	63.8	70.9	74.4	76.4	76.3	75.7	75.3	72.2	69.2	65.7					
	8000	38.8	58.6	67.5	72.1	73.8	73.8	73.1	72.8	70.1	66.0	63.8					
	10000	28.1	52.9	63.8	68.6	71.1	71.0	71.4	71.0	67.7	64.2	60.0					
OVERALL CALCULATED PND		72.7	81.4	86.8	88.4	89.7	89.6	88.8	87.8	85.5	82.9	79.4					
		82.0	93.4	99.2	101.2	102.5	102.5	101.6	100.9	98.1	95.2	91.5					

ORIGINAL PAGE IS OF POOR QUALITY



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAT)

	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0. 0. 0. 0. 0.)	ANGLES FROM INLET IN DEGREES (AND RADIAN)										
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.										
SIDE LINE 500. FT. (152.40 M)	50	39.0	45.4	51.9	53.7	54.2	54.1	54.6	54.6	53.2	53.1	51.7
	63	45.1	52.2	56.3	58.4	60.2	60.6	61.2	60.4	57.3	55.9	54.3
	80	47.6	54.6	59.8	61.6	63.7	64.6	64.7	64.9	62.8	61.4	59.5
	100	52.1	59.1	63.5	63.6	63.9	64.7	65.3	65.2	63.7	62.2	61.1
	125	47.9	56.4	62.1	64.0	64.9	64.7	64.1	62.0	60.7	58.6	57.9
	160	45.1	53.1	58.2	59.7	60.6	61.4	61.6	60.6	58.0	56.1	53.7
	200	42.6	51.0	56.6	59.4	60.9	60.5	59.9	58.6	56.0	54.4	52.7
	250	41.0	48.7	55.4	58.3	60.6	61.5	62.0	59.7	57.0	55.9	52.5
	315	40.6	47.6	54.4	58.4	59.3	60.5	61.0	60.7	58.4	55.0	51.3
	400	40.8	49.7	55.5	57.6	59.0	58.4	58.5	57.8	55.2	51.7	47.3
AIRFLOW RATIO	500	39.6	48.5	54.6	57.0	57.7	57.1	56.8	55.3	53.3	50.5	46.5
	630	38.6	47.0	54.0	56.8	58.1	58.6	58.0	56.5	54.8	51.2	47.6
	800	42.0	50.9	56.4	61.6	62.6	62.7	62.2	61.2	59.3	56.1	51.0
	1000	49.8	63.2	69.0	71.8	71.9	72.1	72.3	72.2	70.0	68.0	61.4
	1250	40.9	54.4	61.0	64.2	64.4	65.1	64.9	64.6	62.6	60.1	53.7
	1600	39.5	53.3	60.5	63.4	64.5	66.5	65.9	65.3	62.6	60.3	54.4
	2000	42.4	55.2	63.8	65.9	68.7	68.7	68.9	67.7	65.5	63.6	59.5
	2500	36.6	51.2	59.3	62.6	64.6	64.2	64.6	64.4	62.3	60.1	55.9
	3150	33.7	50.8	60.1	63.6	65.4	65.9	66.4	65.8	63.7	60.9	57.7
	4000	26.9	46.8	57.1	61.4	63.8	65.0	64.9	65.1	62.4	59.9	55.8
	5000	20.8	43.5	54.6	59.3	61.7	62.5	62.3	62.8	59.3	57.3	53.7
	6300	9.5	37.5	50.0	55.6	58.8	59.5	59.9	60.4	57.3	55.3	51.2
	8000	26.8	42.9	50.0	53.5	55.2	55.7	55.6	53.2	51.6	47.2	
	10000	14.1	33.7	43.1	47.3	49.5	51.2	50.6	48.3	45.9	41.2	
OVERALL CALCULATED		57.7	67.6	73.5	76.5	77.6	78.0	78.1	77.6	75.4	73.3	69.3
PND8		62.6	75.8	84.0	87.2	89.1	89.5	89.8	89.2	86.9	84.4	80.6
SIDE LINE 200. FT. (60.96 M)	50	49.5	55.2	60.9	62.3	62.6	62.4	62.9	63.0	61.4	61.3	60.0
	63	55.8	62.3	65.5	67.2	68.7	69.1	69.6	69.7	68.6	64.2	62.6
	80	58.6	65.0	69.3	70.6	72.4	73.2	73.2	73.4	71.3	69.9	67.0
	100	63.4	69.8	73.2	72.7	72.8	73.4	73.9	73.8	72.2	70.8	69.7
	125	59.5	67.4	72.0	73.4	74.0	73.6	72.9	70.7	69.4	67.3	66.7
	160	57.0	64.4	68.4	69.3	69.9	70.5	70.5	69.4	66.9	64.9	62.6
	200	54.8	62.6	67.0	69.1	70.3	69.6	69.0	67.6	65.5	63.4	61.8
	250	53.6	60.6	66.1	68.3	70.2	70.8	71.2	68.8	66.7	65.0	61.7
	315	53.6	59.9	65.4	68.6	69.1	69.9	70.3	70.0	67.6	64.2	60.6
	400	54.3	62.4	66.7	68.3	68.9	68.1	68.0	67.2	64.6	61.1	56.8
	500	53.8	61.6	66.3	67.6	67.8	67.0	66.4	64.9	62.6	59.0	56.2
	630	53.2	60.5	65.9	67.7	68.4	68.6	67.8	66.3	64.5	60.9	57.4
	800	57.2	64.9	70.6	73.0	73.3	73.0	72.2	71.2	69.2	66.1	61.0
	1000	65.8	77.7	80.6	83.3	82.8	82.6	82.6	82.3	80.1	78.2	71.6
	1250	57.6	69.5	74.1	76.1	75.6	75.8	75.4	74.9	72.9	70.5	64.2
	1600	57.6	69.2	74.2	75.7	76.0	77.6	76.7	76.0	73.2	71.0	65.2
	2000	61.8	72.0	78.0	78.7	80.6	80.1	80.0	78.7	76.4	74.5	70.6
	2500	57.7	68.8	74.1	75.8	76.9	76.0	76.2	75.7	73.5	71.4	67.3
	3150	57.3	69.6	75.8	77.5	78.3	78.2	78.3	77.5	75.3	72.6	69.6
	4000	54.5	67.6	74.2	76.4	77.0	76.1	77.5	77.5	74.7	72.3	68.4
	5000	50.6	65.5	72.4	74.1	76.0	76.0	75.3	75.6	72.0	70.1	66.7
	6300	45.9	62.8	70.2	72.9	74.6	74.3	74.2	74.4	71.1	69.2	65.4
	8000	38.0	57.4	66.5	70.1	71.6	72.0	71.9	71.4	68.6	66.6	63.3
	10000	27.6	51.9	62.3	67.1	68.6	69.3	69.9	69.1	66.4	64.2	60.0
OVERALL CALCULATED		71.7	81.9	86.5	88.4	89.0	89.0	88.8	88.3	85.9	83.6	79.6
PND8		81.8	92.9	98.8	100.7	101.6	101.6	101.5	100.8	98.4	96.0	92.4



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG F, 70 PERCENT REL. HUM, DAY)

FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	(0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0. 10. 20. 30. 40. 50.)																
SIDE LINE 500. Ft. (152.40 M)	50	39.0	45.4	52.1	53.0	53.7	54.3	54.4	54.5	52.8	53.3	52.5					
NFA (334. RAD/SEC)	63	45.8	53.9	58.3	58.7	60.7	62.0	62.7	61.3	62.1	59.9	58.0					
NFA 3128. RPM (328. RAD/SEC)	80	47.1	54.1	59.1	60.3	62.2	63.1	64.0	63.8	62.5	60.7	59.0					
NFA 3128. RPM (328. RAD/SEC)	100	50.9	56.9	62.0	62.3	63.9	63.4	62.8	60.7	60.0	56.1	56.4					
NFA 3244. RPM (340. RAD/SEC)	125	46.4	54.4	61.4	62.3	63.9	63.4	62.8	60.7	60.0	56.0	54.8					
NFA 3244. RPM (340. RAD/SEC)	150	43.1	50.3	55.9	56.7	58.1	57.5	57.7	57.1	56.8	55.9	55.0					
NFA 3244. RPM (340. RAD/SEC)	200	41.1	47.5	55.1	55.4	58.1	57.5	57.7	57.1	56.8	55.9	55.0					
NFA 3244. RPM (340. RAD/SEC)	250	37.5	45.5	53.9	60.0	64.4	65.0	65.7	65.1	63.4	60.7	57.5					
NFA 3244. RPM (340. RAD/SEC)	315	36.3	46.8	54.4	57.9	58.3	58.7	59.2	57.9	55.0	54.2	51.5					
NFA 3244. RPM (340. RAD/SEC)	400	37.3	46.8	54.4	57.9	58.3	58.7	59.2	57.9	55.0	54.2	51.5					
AIRFLOW RATIO	500	36.6	45.5	52.0	54.2	55.2	55.9	55.8	55.2	54.1	50.2	48.8					
AIRFLOW RATIO	630	36.4	45.0	51.7	55.0	56.6	57.1	57.2	56.2	54.1	50.2	48.8					
AIRFLOW RATIO	800	40.0	51.1	57.4	59.1	60.1	60.7	62.2	61.7	59.0	55.9	51.5					
AIRFLOW RATIO	1000	48.5	59.2	65.0	68.1	68.4	69.1	70.3	70.1	68.8	66.5	59.4					
VEHICLE CONFIG	1250	41.5	52.9	60.2	62.7	63.2	64.3	64.9	64.7	62.4	60.1	54.0					
VEHICLE CONFIG	1500	38.5	50.8	53.0	61.9	62.0	63.2	63.6	63.2	61.2	57.8	52.7					
VEHICLE CONFIG	2000	38.6	52.7	59.5	62.9	65.2	64.7	66.1	65.6	63.6	61.1	56.5					
VEHICLE CONFIG	2500	34.4	48.7	56.8	60.6	62.0	62.7	63.8	63.3	61.4	59.1	54.2					
VEHICLE CONFIG	3150	31.0	47.8	57.1	60.8	62.9	64.2	63.0	63.3	61.2	58.4	54.0					
VEHICLE CONFIG	4000	23.9	44.1	54.4	58.9	61.6	62.8	62.6	63.3	61.2	58.4	51.9					
VEHICLE CONFIG	5000	18.6	40.8	51.0	55.8	58.9	59.8	60.0	61.2	58.1	55.5	49.1					
VEHICLE CONFIG	6300	0.7	34.2	40.3	52.0	55.8	57.0	58.9	57.5	54.0	52.7	45.9					
VEHICLE CONFIG	8000		24.0	39.3	46.4	50.2	52.1	52.9	53.5	50.7	48.2	45.9					
VEHICLE CONFIG	10000		11.1	29.9	39.3	44.2	46.7	47.6	48.4	46.0	43.1	39.4					
OVERALL CALCULATED PND		56.4	65.2	71.8	74.0	75.4	76.1	76.8	76.4	74.8	72.3	68.4					
OVERALL CALCULATED PND		60.5	73.3	81.2	84.7	86.6	87.6	87.7	87.8	85.8	83.2	79.3					

ORIGINAL PAGE IS OF POOR QUALITY

SIDE LINE 200. Ft. (60.96 M)	50	49.5	55.2	61.1	61.6	62.1	62.6	62.6	62.7	61.6	61.6	60.7					
SIDE LINE 200. Ft. (60.96 M)	63	56.3	64.0	67.5	67.5	69.2	71.1	71.0	69.6	65.9	64.0	62.1					
SIDE LINE 200. Ft. (60.96 M)	80	58.1	64.5	68.6	69.3	70.9	71.7	72.5	72.3	70.6	68.4	66.5					
SIDE LINE 200. Ft. (60.96 M)	100	62.2	67.6	71.7	71.5	71.3	72.1	72.7	73.0	71.0	69.3	68.2					
SIDE LINE 200. Ft. (60.96 M)	125	58.0	65.4	71.3	71.6	73.0	72.3	71.6	69.4	68.7	66.8	65.2					
SIDE LINE 200. Ft. (60.96 M)	150	55.0	61.6	65.1	66.3	67.4	68.2	68.0	66.8	65.4	63.7	61.6					
SIDE LINE 200. Ft. (60.96 M)	200	53.3	59.1	63.5	65.1	67.5	66.5	66.7	66.0	65.0	64.9	64.0					
SIDE LINE 200. Ft. (60.96 M)	250	50.1	57.4	64.6	70.0	73.9	74.3	74.9	74.2	72.5	69.8	66.7					
SIDE LINE 200. Ft. (60.96 M)	315	51.3	59.1	65.4	68.1	68.1	68.2	68.6	67.1	64.2	63.5	60.8					
SIDE LINE 200. Ft. (60.96 M)	400	50.8	59.6	65.7	68.5	68.7	69.6	70.5	68.3	65.7	63.9	60.0					
SIDE LINE 200. Ft. (60.96 M)	500	50.5	58.6	63.6	64.9	65.3	65.7	65.4	64.6	62.9	59.5	55.2					
SIDE LINE 200. Ft. (60.96 M)	630	50.9	58.5	63.6	66.0	66.9	67.1	67.1	65.9	63.8	59.9	56.6					
SIDE LINE 200. Ft. (60.96 M)	800	55.2	65.1	69.6	70.3	70.8	71.0	72.2	71.0	69.7	65.8	61.5					
SIDE LINE 200. Ft. (60.96 M)	1000	64.5	73.7	78.6	79.6	79.3	79.6	80.6	80.2	78.9	76.7	69.6					
SIDE LINE 200. Ft. (60.96 M)	1250	58.4	68.0	73.3	74.6	74.3	75.1	75.4	75.1	72.7	70.5	64.5					
SIDE LINE 200. Ft. (60.96 M)	1500	56.6	66.7	71.7	74.2	73.5	74.3	74.4	73.9	71.6	68.5	63.5					
SIDE LINE 200. Ft. (60.96 M)	2000	58.0	69.5	73.7	75.7	77.1	76.1	77.2	76.6	74.5	72.0	67.6					
SIDE LINE 200. Ft. (60.96 M)	2500	55.4	66.3	71.6	73.8	74.9	74.5	75.2	74.6	72.6	70.4	65.6					
SIDE LINE 200. Ft. (60.96 M)	3150	54.6	66.6	72.8	74.8	75.8	76.4	75.5	75.9	73.8	71.4	67.9					
SIDE LINE 200. Ft. (60.96 M)	4000	51.4	64.9	71.4	73.9	75.4	75.8	75.3	75.7	73.5	70.8	66.6					
SIDE LINE 200. Ft. (60.96 M)	5000	48.3	62.8	68.9	71.4	73.2	73.3	73.1	74.0	70.8	68.3	63.4					
SIDE LINE 200. Ft. (60.96 M)	6300	43.1	59.5	66.4	69.4	71.6	71.8	71.1	69.2	66.4	64.0	62.0					
SIDE LINE 200. Ft. (60.96 M)	8000	35.0	54.6	63.0	66.6	68.3	69.0	69.1	69.2	66.4	64.1	58.2					
SIDE LINE 200. Ft. (60.96 M)	10000	24.5	48.8	58.4	63.3	65.5	66.4	66.3	66.7	64.1	61.4	58.2					
OVERALL CALCULATED PND		70.2	79.2	84.3	85.8	86.6	86.9	87.2	86.9	84.9	82.0	78.6					
OVERALL CALCULATED PND		79.0	90.2	96.1	98.2	99.2	99.6	99.4	99.3	97.2	94.6	91.0					



Run 35/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 HR. 19.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ. (0. )	ANGLES FROM INLET IN DEGREES (AND RADIANs)																
		0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (1.92)	110. (2.10)	0. (0. )	0. (0. )	0. (0. )	0. (0. )	0. (0. )
50	03	41.5	48.2	54.6	57.2	57.3	58.0	57.1	57.5	55.8	55.6	54.7						
63	03	46.9	55.4	58.3	59.4	61.5	63.0	63.2	61.5	58.3	55.9	55.0						
80	03	47.6	54.9	59.6	61.8	63.2	64.5	65.0	65.1	63.6	61.4	58.5						
SIDE LINE 500. FT. (152.40 M)	100	48.6	55.1	59.5	60.3	60.8	61.6	62.8	62.9	61.2	59.5	58.8						
NFA 3279. RPM (343. RAD/SEC)	125	44.4	51.9	57.4	59.5	60.5	60.1	58.8	58.5	57.0	55.8	53.4						
100	03	41.1	49.1	54.4	55.9	56.7	57.6	57.9	57.0	54.6	52.1	50.2						
NFK 3209. RPM (336. RAD/SEC)	200	39.1	47.3	52.8	55.4	57.2	57.4	56.9	56.1	53.1	51.7	49.7						
250	03	36.7	47.2	54.6	57.8	62.2	63.6	63.2	63.1	61.2	59.9	57.2						
NFU 3244. RPM (340. RAD/SEC)	315	36.1	47.1	55.4	60.9	63.4	62.4	63.7	62.9	61.7	60.5	57.3						
400	03	37.3	49.4	57.0	59.6	59.8	60.1	61.5	61.4	59.0	55.5	51.3						
AIRFLOW RATIO	500	37.8	47.6	52.8	55.4	57.0	57.5	58.5	58.2	56.1	52.9	48.0						
6300	03	39.9	48.7	54.2	56.5	58.2	59.2	59.5	58.7	56.4	53.4	49.3						
8000	03	42.0	51.9	57.6	58.5	61.0	61.9	63.2	61.9	60.3	57.4	52.9						
VEHICLE CONFIG	1000	45.5	57.0	63.8	66.5	67.5	65.2	70.1	68.6	66.5	63.6	58.0						
1250	03	43.3	53.6	61.5	65.2	65.8	67.2	67.9	68.5	64.4	61.1	56.5						
LDC SCHENECTADY	1000	37.5	49.3	56.5	60.2	61.6	61.4	61.9	62.0	60.4	58.1	52.9						
DATE 7/9/75	2000	37.4	50.5	57.8	60.9	63.8	63.6	64.1	63.1	61.1	59.1	54.7						
RUN 35/6	2500	33.6	48.2	55.8	59.8	62.7	62.4	62.3	61.6	60.4	57.9	53.7						
TAPE	3150	29.7	46.8	55.1	59.1	61.5	62.1	61.4	61.7	60.0	57.7	54.2						
FAN TIP SPEED	4000	22.7	42.3	52.6	57.1	59.7	60.2	60.4	60.8	58.2	56.2	52.8						
1010. FT/SEC	5000	16.6	38.8	49.1	54.1	57.0	57.4	57.8	58.2	55.1	53.5	50.7						
6300	03	4.5	32.7	44.8	50.3	53.6	54.4	54.9	54.8	53.1	51.0	48.2						
8000	03	22.6	37.6	44.2	48.8	48.8	49.8	50.5	51.0	48.5	46.5	44.2						
10600	03	0.9	20.7	37.6	42.3	44.7	45.8	45.7	43.3	41.1	38.2							
OVERALL CALCULATED		55.8	64.6	70.7	73.5	75.2	76.0	76.5	75.8	73.6	71.5	68.2						
PNUM		59.0	72.2	79.9	83.6	85.9	86.4	86.5	86.3	84.3	82.0	78.4						
50		52.0	54.0	63.6	65.8	65.7	64.3	65.4	65.7	64.0	63.6	63.0						
63		57.5	65.5	67.5	68.2	70.1	71.5	71.5	69.9	66.7	64.2	63.4						
SIDE LINE 200. FT. (60.96 M)	80	58.6	65.3	64.1	70.8	72.0	73.1	73.5	73.5	72.1	69.9	67.0						
100		59.9	65.6	64.2	69.5	69.6	70.3	71.4	71.5	69.8	68.1	67.2						
125		56.0	62.9	67.3	68.8	69.6	69.0	67.6	67.2	65.7	64.3	62.2						
150		53.0	60.4	64.6	65.5	66.0	66.6	66.8	65.8	63.4	60.9	59.1						
200		51.3	58.9	63.2	65.1	66.6	66.5	66.0	65.0	62.1	60.0	58.8						
250		51.3	59.1	65.3	67.7	71.8	72.9	72.4	72.2	70.3	69.0	68.4						
315		49.1	59.4	66.4	71.1	73.1	71.8	73.1	72.1	70.9	69.7	68.6						
400		50.6	62.1	68.2	70.0	69.8	69.7	71.0	70.8	68.4	64.9	60.6						
500		51.8	60.8	64.3	66.1	67.2	67.4	68.2	67.8	65.6	61.5	57.7						
630		54.4	62.3	66.1	67.5	68.5	69.3	69.3	68.4	66.1	63.2	59.1						
800		57.2	65.9	69.9	69.8	71.6	72.1	73.2	71.9	70.2	67.3	62.5						
1000		61.5	71.5	76.4	78.1	78.4	79.7	80.3	78.8	76.8	73.9	68.9						
1250		60.1	68.8	74.6	77.1	76.9	78.0	78.4	78.8	74.7	71.5	67.0						
1600		55.6	65.2	70.2	72.5	73.1	72.5	72.7	72.6	71.0	68.7	63.7						
2000		56.8	67.2	72.0	73.7	75.7	75.0	75.2	74.1	72.0	70.0	65.9						
2500		54.7	65.8	70.6	73.1	75.0	74.1	73.7	72.8	71.6	69.1	65.1						
3150		53.3	65.6	70.8	73.0	74.4	74.3	73.3	73.4	71.6	69.4	66.1						
4000		50.2	63.1	69.6	72.1	73.5	73.3	73.0	73.2	70.5	68.6	65.4						
5000		46.3	60.8	66.9	69.7	71.3	70.9	70.8	71.0	67.8	66.3	63.7						
6300		40.9	58.1	64.9	67.6	69.4	69.2	69.1	68.8	66.9	65.0	62.4						
8000		33.5	53.1	61.3	64.3	66.9	66.7	66.8	66.8	64.1	62.3	60.4						
10000		23.0	46.6	57.2	61.5	63.6	64.4	64.4	64.0	61.4	59.4	57.0						
OVERALL CALCULATED		69.2	78.3	83.1	85.1	86.2	86.5	86.8	85.9	83.9	81.6	78.2						
PNUM		78.1	89.4	94.8	97.0	98.4	98.4	98.0	97.7	95.7	93.5	90.1						



## Run 35/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 19.0																	
		MODEL SOUND PRESSURE LEVELS (90. DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ. (U. )		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
	50																		
	63																		
	80																		
RADIAL 17. FT.	100	73.3	78.8	71.0	70.4	67.6	68.9	71.2	74.0	75.4	75.4	75.8	74.4						107.7
( S. M.)																			
VEHICLE UTRSIM	125	83.0	84.5	81.5	80.1	80.1	79.1	76.9	77.5	77.9	77.4	77.6	78.1						112.5
CONFIG G05	160	82.3	81.3	79.0	80.9	81.1	79.9	77.4	77.8	77.7	75.1	74.8	75.4						111.9
LDC SCHEMECTADY	200	83.1	85.3	86.0	84.4	82.8	83.6	82.7	82.5	80.2	77.3	74.5	73.9						115.3
DATE 7/9/75	250	87.5	86.5	85.5	85.9	84.8	84.9	84.7	85.0	84.2	82.3	80.8	78.1						117.8
RUN 35/7	315	87.1	87.3	86.0	85.6	83.6	82.4	81.7	82.0	81.7	80.1	78.3	78.1						116.8
TAPE	400	84.3	85.0	83.3	83.1	82.6	82.6	79.4	78.3	77.7	75.0	74.0	72.9						113.5
BAR 29.5 HG	500	82.8	82.8	81.8	81.4	79.6	79.4	78.2	77.8	76.2	73.0	71.3	70.1						111.5
199883. N/M2)	630	79.8	81.0	79.6	80.2	79.3	80.4	78.7	77.3	76.0	73.4	72.8	70.9						111.2
TAMB 81. DEG F	600	82.3	82.5	80.1	81.9	83.1	85.6	85.4	82.8	81.7	80.4	81.0	79.4						116.4
(300. DEG K)	1000	81.1	83.8	82.3	83.9	85.1	85.6	83.4	84.6	84.5	83.8	83.0	79.8						117.7
TNET 73. DEG F	1250	83.0	85.0	84.6	80.7	85.8	84.6	83.4	82.6	82.2	79.2	74.8	71.1						116.5
(296. DEG K)	1600	85.4	85.0	83.3	83.0	82.1	82.1	81.1	81.1	79.5	78.0	74.9	69.9						114.2
NACT 17.89 GM/H3	2000	88.1	87.8	85.8	84.5	82.8	82.9	82.1	81.6	79.5	78.0	74.5	71.2						115.2
(.01789 KG/H3)	2500	88.9	90.3	88.8	88.0	85.3	85.8	84.9	83.6	83.1	81.5	78.3	74.4						118.2
NFA 11947. RPM	3150	94.8	94.8	94.5	94.9	94.3	92.8	93.1	92.4	90.1	87.3	84.7	79.9						125.4
(1251. RAD/SEC)	4000	95.8	96.0	93.7	95.4	94.5	91.9	92.7	92.0	89.0	86.5	83.6	78.8						129.2
NFA 11701. RPM	5000	91.2	91.4	89.4	89.3	88.9	87.4	85.1	84.5	84.0	82.2	79.8	75.3						119.8
(1225. RAD/SEC)	6300	92.4	93.5	91.2	91.5	90.1	89.0	87.4	86.9	85.3	83.3	81.0	77.8						121.5
NFD 11517. RPM	8000	91.7	92.3	90.7	90.9	89.7	88.8	87.3	86.5	84.4	82.7	80.4	77.1						121.0
(1206. RAD/SEC)	10000	91.8	92.6	91.0	91.0	89.7	88.2	87.7	85.0	84.8	82.9	80.6	77.8						121.1
NO. OF BLADES 10	12500	91.8	92.1	89.8	90.1	89.0	87.7	86.5	84.8	84.4	82.3	80.3	77.2						120.8
FAN TIP SPEED 16000	16000	86.7	88.9	87.7	87.5	86.4	85.8	84.1	82.5	82.9	79.3	77.7	74.9						118.8
1043. FT/SEC	20000	86.3	88.5	86.6	86.6	85.2	84.7	82.4	82.2	80.8	78.2	76.4	74.3						117.9
	25000	87.1	87.5	84.4	84.7	83.8	82.8	81.1	79.8	79.1	76.2	74.6	73.0						116.8
	31500	84.1	87.1	82.3	82.8	82.4	81.1	79.7	77.9	77.5	74.5	72.5	70.8						116.2
	40000	80.4	82.5	78.5	79.3	78.6	77.2	75.8	73.9	74.8	70.0	68.5	66.2						113.7
	50000	75.4	82.2	74.8	74.9	72.8	71.7	71.8	69.2	69.9	65.0	64.8	61.7						111.9
	63000	69.0	83.3	68.6	69.6	65.5	64.2	64.4	62.8	63.3	59.0	60.4	58.2						111.1
	80000	70.4	83.9	69.3	70.7	66.4	60.9	61.1	60.9	61.5	56.3	60.9	61.8						115.2
OVERALL MEASURED																			
OVERALL CALCULATED		103.2	103.9	102.1	102.5	101.5	100.4	99.7	98.9	97.4	95.3	93.3	90.4						133.2
PNUM		116.8	117.1	115.5	116.0	115.0	113.9	113.9	112.8	111.0	106.7	106.4	102.8						

	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM. DATA)											
	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ.	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°
	(0)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0°)	(0°)	(10°)	(10°)	(20°)	(20°)	(30°)	(30°)	(40°)	(40°)	(50°)	(50°)
SIDELINE 500. FT.	50	43.0	49.2	55.4	58.2	58.8	57.5	58.6	59.0	56.5	56.1	56.2
(152.40 M)	63	47.1	55.7	58.5	59.7	62.3	62.5	63.2	61.3	58.0	55.7	54.5
NFA 3365. RPM	80	47.6	54.6	59.6	61.3	63.2	64.3	65.5	65.1	63.4	61.7	58.5
( 352. RAD/SEC)	100	47.6	54.6	59.0	59.8	60.5	61.1	62.3	62.4	61.0	59.0	56.3
NFK 3296. RPM	125	44.7	51.4	56.1	58.5	60.5	58.6	58.3	58.2	56.4	54.6	52.9
( 345. RAD/SEC)	150	41.6	49.3	53.9	55.2	57.0	57.1	57.6	56.5	54.1	51.0	48.9
NFD 3244. RPM	200	39.1	46.5	52.3	54.6	57.7	57.4	56.9	56.1	53.0	52.7	50.5
( 340. RAD/SEC)	250	39.7	46.5	53.6	58.0	62.7	63.9	62.2	61.6	60.4	60.9	58.7
AIRFLOW RATIO	315	40.1	48.1	55.2	59.7	62.4	62.1	63.7	64.1	63.5	62.7	59.9
WF/MH 12.60	400	40.8	49.7	57.5	60.1	61.1	61.3	61.5	61.7	58.8	54.2	50.0
VEHICLE CONFIG	500	39.8	47.8	53.3	55.9	58.3	58.8	59.8	58.7	57.3	53.2	48.5
UTS/SH 605	630	40.9	49.5	54.2	58.3	58.7	59.5	60.0	58.5	57.1	53.4	49.5
LOC SCREEN/CTADY	800	46.5	57.4	64.1	67.3	68.2	70.1	70.4	68.7	66.1	63.4	58.0
DATE 7/9/75	1000	46.2	55.7	64.0	67.0	67.0	69.4	69.8	67.3	65.0	62.0	56.6
RUN 35/7	1250	40.0	50.3	57.2	60.9	61.9	61.4	61.9	61.9	60.4	57.6	52.7
TAPE	1600	39.8	50.9	58.5	61.4	63.7	63.2	63.9	62.9	61.1	58.0	54.6
FAN TIP SPEED	2000	36.3	49.1	57.0	60.3	62.3	62.7	63.0	61.6	60.1	57.6	53.7
1043. FT/SEC	2500	34.0	48.2	56.4	59.8	61.2	62.7	61.2	61.4	60.0	57.7	54.0
6300	3150	29.4	44.9	54.1	58.1	59.9	60.8	60.3	60.7	58.8	56.0	52.7
8000	4000	20.1	40.0	49.6	54.1	56.9	57.4	57.2	58.4	55.0	53.2	49.0
10000	5000	10.3	37.3	47.9	52.3	55.4	55.4	56.7	56.0	53.7	51.7	48.7
OVERALL CALCULATED	6300	4.9	30.2	42.8	48.6	51.6	52.5	52.6	53.0	50.5	48.8	46.1
PNUD	8000	20.4	35.9	43.5	47.0	48.7	48.8	49.4	46.7	44.4	41.0	38.0
	10000	6.0	25.6	34.6	39.1	41.4	41.4	41.7	43.9	39.5	37.7	34.0
	OVERALL CALCULATED	56.1	64.8	71.1	73.9	75.4	76.4	76.8	75.7	73.6	71.6	68.3
	PNUD	59.9	71.9	79.8	83.3	85.1	86.1	85.8	85.5	83.0	81.3	77.6

ORIGINAL PAGE IS OF POOR QUALITY

## Run 35/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 HR. 18.0																	
		MODEL SOUND PRESSURE LEVELS (90, DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. ) PNL																			
50																			
63																			
80																			
RADIAL 17. FT.																			
( 5. M)																			
100		73.1	81.3	70.5	69.4	66.8	67.6	69.7	71.5	72.9	73.1	73.0	72.0					106.0	
VEHICLE	UTWSIM	125	80.0	87.0	84.5	83.4	83.3	82.6	80.2	81.3	81.9	80.1	79.0	80.0					110.0
CONFIG	605	160	85.3	84.3	82.3	83.4	84.3	82.0	79.9	81.3	81.7	79.1	78.0	79.1					112.1
LOC	SCHENECTADY	200	81.0	84.8	84.5	83.4	82.6	82.9	81.7	81.5	79.7	76.0	74.0	73.4					114.5
DATE	7/9/75	250	87.0	86.8	85.8	86.1	85.3	85.1	85.2	85.0	84.7	82.0	80.0	78.0					117.9
RUN	35/8	315	87.3	86.8	85.5	84.9	83.1	82.1	81.4	81.0	81.2	79.0	78.3	77.0					119.0
TAPE		400	84.3	85.3	82.0	82.4	82.1	81.4	78.4	77.3	77.9	75.0	74.0	72.0					115.0
BAR	29.5 PG	500	82.1	81.5	80.3	80.1	78.3	77.4	77.2	77.3	76.2	73.4	71.3	69.0					112.0
	(99683. N/M2)	63J	79.6	80.0	78.0	78.9	78.0	78.6	77.7	76.6	75.0	73.0	72.0	71.4					110.5
TAMB	81. DEG F	800	82.0	82.3	79.8	81.9	82.0	85.6	84.9	82.6	80.5	80.1	81.0	81.4					110.3
	(300. DEG K)	1000	81.3	82.6	82.3	84.6	85.1	84.9	83.4	84.6	84.7	85.4	83.3	80.0					117.0
TNET	73. DEG F	1250	83.0	84.3	83.6	85.2	85.0	85.4	83.6	83.4	82.2	79.7	78.5	73.4					119.3
	(296. DEG K)	1600	86.9	86.3	82.0	83.2	82.0	83.6	82.0	81.4	80.8	78.7	74.5	70.9					115.0
HACT	17.89 GN/M3	2000	88.4	86.3	85.1	85.0	83.3	84.6	82.6	81.0	79.8	78.0	75.3	71.2					115.7
	(1.01789 KG/M3)	2500	88.9	86.8	88.8	88.0	85.6	85.1	84.6	84.4	82.8	81.5	79.0	74.9					110.1
NFA	11688. RPM	3150	95.8	94.0	93.3	94.4	92.6	92.8	91.0	90.9	87.8	85.5	83.5	78.7					124.3
	(1224. RAD/SEC)	4000	97.3	95.7	93.4	95.6	93.7	94.4	92.7	91.5	87.5	85.2	83.1	78.0					129.2
NFK	11448. RPM	5000	91.2	91.2	88.9	89.3	88.2	86.9	84.9	83.7	83.2	81.7	79.1	75.3					119.1
	(1199. RAD/SEC)	6300	92.1	92.2	89.9	90.5	88.6	88.9	85.6	85.7	84.3	82.5	79.7	76.1					120.3
NFD	11517. RPM	8000	91.0	92.1	89.7	90.1	88.7	88.3	86.1	85.5	84.1	81.9	79.2	76.9					120.2
	(1206. RAD/SEC)	10000	91.0	91.4	89.5	90.3	88.2	86.9	87.0	84.5	85.1	81.0	79.3	76.6					120.2
NO. OF BLADES	18	12500	91.1	90.6	88.4	88.8	88.3	86.7	85.7	83.8	83.0	81.1	78.0	75.9					119.5
FAN TIP SPEED	16000	20000	88.5	87.9	86.5	86.5	85.9	84.8	82.6	82.0	80.9	78.0	76.0	73.9					117.5
	1020. FT/SEC	25000	86.0	85.0	82.9	84.2	83.1	81.6	79.8	78.6	77.3	75.0	72.0	72.5					116.0
		31500	83.9	83.3	81.3	82.1	81.4	80.1	77.7	77.2	76.3	72.7	70.7	69.3					114.0
		40000	79.1	79.0	77.7	78.1	78.1	75.4	74.8	72.9	73.5	69.3	66.9	65.2					112.4
		50000	74.4	75.2	73.3	73.9	71.8	70.7	70.8	68.5	69.4	63.5	63.0	61.0					109.0
		63000	69.0	69.3	67.6	68.8	64.5	63.5	63.9	62.0	63.3	58.5	59.0	58.0					106.0
		80000	70.4	70.1	69.3	70.7	60.2	60.9	61.1	60.9	66.2	58.3	60.9	61.4					110.0
OVERALL MEASURED																			
OVERALL CALCULATED		103.7	103.2	101.3	102.1	100.7	100.6	99.1	98.4	96.6	94.8	92.9	90.7					132.0	
PNLs		117.5	116.8	114.7	116.0	114.4	114.7	113.1	112.3	109.9	107.9	105.8	102.2						

Run 35/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 11 PM 1969

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 10. 10. 10. 10. 10.)	(0. 10. 17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.10) (2.27) (0. 0. 0. 0. 0.)																
SIDELINE 500. FT.	50	46.8	52.4	57.9	61.4	61.5	60.0	62.1	63.0	60.5	59.8	60.0					
(152.40 M)	63	46.0	54.2	57.5	59.4	61.5	61.5	62.2	63.8	58.1	59.9	54.0					
NFA 3292. RPM	80	47.8	54.9	59.8	61.8	63.5	64.8	65.5	65.8	63.8	61.7	59.0					
(345. RAD/SEC)	100	47.1	54.1	58.2	59.3	60.3	60.8	62.0	61.9	60.7	59.0	57.8					
NFA 3224. RPM	125	44.9	50.9	55.4	58.0	59.3	57.4	57.3	58.5	58.3	53.8	52.0					
(338. RAD/SEC)	150	40.4	47.8	52.7	53.9	55.0	56.1	57.1	56.5	53.8	51.8	49.4					
NFA 3244. RPM	200	38.1	45.5	51.1	53.9	56.0	56.4	56.2	55.1	53.9	52.9	51.8					
(340. RAD/SEC)	250	39.5	46.2	53.6	57.5	62.7	63.4	62.0	60.3	60.2	61.7	60.7					
NFA 3244. RPM	315	39.1	48.1	55.9	59.7	61.7	61.6	63.7	64.4	65.2	63.9	59.8					
(340. RAD/SEC)	400	39.6	48.7	58.0	60.1	61.8	61.6	62.2	61.7	59.3	58.0	52.3					
AIRFLOW RATIO	500	40.0	47.0	53.5	56.7	59.8	60.3	60.0	60.0	58.1	57.7	49.5					
WF/W 12.60	630	41.4	48.7	54.7	58.8	60.4	60.0	60.0	58.7	57.1	54.2	49.5					
	800	41.5	51.6	57.1	58.5	60.5	61.6	62.4	61.4	60.3	57.8	53.0					
VEHICLE UTSIM	1000	44.8	55.2	63.0	65.0	67.8	68.2	68.6	66.1	64.0	61.8	56.4					
CONFIG G05	1250	44.3	54.4	63.5	65.7	69.0	69.0	68.9	65.5	63.4	61.1	56.0					
LGC SCHENECTADY	1600	37.5	48.5	58.3	59.4	60.8	60.6	60.8	60.7	59.4	58.0	52.2					
DATE 7/9/75	2000	36.1	48.2	58.5	59.2	62.3	60.8	62.1	61.4	59.8	58.8	52.9					
RUN 35/8	2500	33.4	46.7	55.3	58.6	61.2	60.9	61.5	60.8	58.9	55.9	52.9					
TAPE	3150	28.5	44.5	54.1	57.1	59.0	61.1	59.9	61.2	58.0	55.4	52.0					
FAN TIP SPEED	4000	21.4	40.3	50.6	55.8	57.4	58.7	58.1	58.8	56.5	53.9	50.3					
1020. FT/SEC	5000	15.3	36.8	47.3	52.6	55.0	55.2	56.0	55.7	53.1	50.8	47.9					
	6300	J.7	30.5	43.0	48.5	51.9	52.2	53.6	54.1	50.1	48.0	45.7					
	8000		20.1	36.4	43.2	46.6	47.8	48.5	48.3	46.3	43.5	42.4					
	10000		7.4	26.9	36.1	40.6	41.9	43.7	44.0	40.8	38.4	35.7					
OVERALL CALCULATED		55.9	64.0	70.6	73.1	75.5	75.7	76.1	75.1	73.5	71.5	68.7					
PNDB		56.4	70.8	79.3	82.5	85.1	85.6	85.8	85.5	83.1	80.6	77.2					
	50	57.2	62.2	66.9	70.1	69.9	68.3	70.4	71.2	68.7	66.1	68.2					
SIDELINE 200. FT.	63	57.3	64.3	68.7	68.2	70.1	70.0	70.5	69.1	68.4	64.2	62.4					
(60.96 M)	80	58.8	65.3	69.3	70.8	72.2	73.4	74.0	74.0	72.1	70.1	67.5					
	100	56.4	64.8	67.9	68.5	69.1	69.5	70.7	70.5	69.3	67.8	66.5					
	125	56.5	61.9	65.3	67.3	68.3	68.2	66.1	67.2	65.0	62.3	61.4					
	150	52.3	59.1	62.9	63.5	64.2	65.1	66.0	65.3	62.7	60.4	58.3					
	200	50.3	57.1	61.5	63.6	65.4	65.5	65.2	64.0	62.8	61.9	60.0					
	250	52.1	58.1	64.3	67.5	72.3	72.7	71.1	69.5	69.3	70.8	69.9					
	315	52.1	60.4	68.9	69.9	71.4	71.1	73.1	73.6	74.4	72.2	69.1					
	400	53.1	61.4	67.2	70.5	71.8	71.2	71.7	71.1	68.7	65.4	61.8					
	500	54.5	60.1	65.1	67.4	69.9	70.1	69.7	69.5	67.0	63.3	59.2					
	630	55.9	62.3	68.8	67.7	70.8	70.8	69.8	68.4	66.8	63.9	59.4					
	800	56.7	65.6	69.4	69.8	71.1	71.9	72.5	71.4	70.4	67.8	63.0					
	1000	60.8	69.7	75.8	76.6	78.7	78.7	78.8	76.2	74.1	71.9	68.8					
	1250	61.1	69.5	76.6	77.6	80.2	79.7	79.4	75.8	73.7	71.5	68.5					
	1600	55.6	64.4	69.9	71.7	72.4	71.7	71.4	71.4	70.0	67.2	63.0					
	2000	55.5	65.0	70.7	71.9	74.2	72.3	73.2	72.3	70.7	67.8	63.6					
	2500	54.4	64.3	70.1	71.8	73.5	72.6	73.0	72.1	70.1	67.1	64.3					
	3150	52.1	63.4	69.8	71.0	71.9	73.3	71.8	72.9	69.8	67.1	63.9					
	4000	49.0	61.1	67.7	70.6	71.2	71.8	70.8	71.2	68.8	66.3	62.9					
	5000	45.1	58.8	65.1	68.2	69.3	68.7	69.1	68.5	65.8	63.6	61.0					
	6300	46.1	55.8	63.2	65.9	67.7	67.0	67.9	68.0	63.9	62.0	59.9					
	8000	32.0	50.6	60.0	63.4	64.7	64.6	64.0	61.9	59.3	54.8						
	10000	21.8	45.1	55.5	60.1	61.9	61.7	62.4	62.3	58.9	56.7	54.5					
OVERALL CALCULATED		69.4	77.4	82.9	84.5	86.3	86.1	86.2	85.1	83.3	81.2	78.3					
PNDB		77.9	87.8	94.0	95.7	97.3	97.4	97.0	96.9	94.4	92.8	88.8					

Run 35/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE > MONTH 7 DAY 21 HR. 55.9

MODEL SOUND PRESSURE LEVELS (30 DEG. P. 78 PERCENT REL. HUM. 6AY)  
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. 0. )	RADIAL 17. FT. (S. M.)																PWL
	0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (1.92)	0.	0.	0.	0.	0.	
50																	
63																	
80																	
100	73.3	72.8	71.1	69.1	67.3	67.6	69.9	71.8	72.4	73.1	73.8	72.9					105.3
125	67.6	68.0	65.8	64.1	64.6	63.6	61.4	62.0	62.4	61.1	61.1	61.0					116.8
160	66.3	65.0	63.1	63.6	64.8	63.1	60.2	62.0	61.9	79.4	79.1	79.9					119.0
200	62.3	65.3	65.3	65.3	62.6	63.6	62.2	62.0	79.9	77.8	75.0	73.9					115.0
250	67.5	66.5	65.6	66.0	64.6	65.1	64.7	65.0	64.4	62.3	60.8	78.8					117.7
315	67.0	67.3	65.8	65.1	63.3	62.4	61.7	62.3	61.7	60.1	78.3	77.8					115.3
400	63.6	64.5	62.3	61.6	61.8	61.4	78.2	77.3	78.2	76.1	72.5	71.9					112.7
500	61.1	60.5	79.9	78.8	77.1	77.1	76.2	76.6	75.7	73.4	70.5	69.0					109.7
630	60.1	79.3	78.4	77.8	78.1	77.9	77.4	76.6	74.5	73.8	72.1	71.6					109.9
800	62.6	62.3	79.6	82.3	82.6	85.4	84.2	82.3	80.5	80.1	82.5	82.1					116.3
1000	61.3	61.3	65.4	60.6	67.6	66.9	67.4	65.8	64.0	82.4	78.0	74.4					119.0
1250	64.1	64.3	64.9	64.9	65.8	65.9	65.1	65.1	64.0	61.4	78.8	73.9					117.5
1600	60.9	65.6	63.1	62.6	62.8	63.9	63.4	62.4	60.8	79.0	75.8	71.4					115.3
2000	66.4	67.6	65.1	63.9	62.8	64.4	63.6	61.1	79.5	77.3	74.5	70.7					115.6
2500	68.4	69.6	68.6	67.6	65.3	64.6	64.4	63.4	62.3	61.4	77.6	73.9					117.7
3150	94.3	93.6	92.3	93.9	90.6	90.8	90.1	69.4	66.8	64.3	62.7	77.2					122.9
4000	96.0	97.0	93.2	90.3	92.0	92.9	93.0	91.5	67.2	64.7	64.4	78.3					125.0
5000	90.2	90.7	88.9	67.8	67.9	66.4	64.8	63.7	63.5	60.5	78.8	74.0					118.6
6300	90.0	90.7	89.0	89.4	67.6	67.4	64.9	64.7	63.3	60.3	78.5	74.8					119.1
8000	90.2	90.6	86.5	86.8	67.2	67.5	65.6	65.0	62.4	60.7	78.2	75.1					119.2
10000	69.0	90.4	89.3	86.7	67.2	65.7	65.2	63.2	63.1	60.9	77.8	75.3					118.9
12500	69.8	69.1	68.2	67.8	66.8	66.2	64.5	63.0	62.1	79.8	77.3	74.4					118.5
16000	67.5	66.2	66.3	65.7	64.7	64.0	61.9	60.8	79.6	77.0	75.0	72.9					116.8
20000	66.0	65.5	64.9	64.5	63.7	62.7	60.9	79.2	78.0	75.7	73.4	71.8					115.8
25000	64.6	63.8	62.5	62.4	61.8	60.8	79.1	77.3	76.3	74.6	71.5	70.8					114.5
31500	62.9	61.6	61.1	61.0	60.7	79.1	77.5	75.4	75.3	72.9	70.8	67.8					113.9
40000	78.9	77.5	77.0	76.8	76.3	75.2	73.3	72.1	72.0	67.3	66.1	63.9					111.2
50000	74.1	73.4	72.3	72.4	70.8	69.7	69.5	69.0	68.4	63.0	63.1	60.2					108.6
63000	69.3	67.8	65.2	64.7	63.5	63.0	63.0	61.8	62.3	58.3	59.4	59.0					105.0
80000	73.4	70.1	59.9	61.2	60.2	60.9	61.1	60.9	61.5	58.3	60.9	66.4					106.1
OVERALL MEASUREMENTS																	
OVERALL CALCULATED	102.9	102.8	101.1	101.7	99.9	100.0	99.0	98.1	96.2	94.1	92.8	90.2					132.1
PNWB	116.9	117.1	114.6	116.0	113.3	113.8	113.2	112.1	109.4	107.2	105.9	101.7					

Run 35/Reading 9

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 HR. 19.4

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEG. F., 70 PERCENT REL. HUM., DAY)															
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
SIDE LINE 500. FT.	63	47.5	53.2	58.1	61.9	62.0	60.2	62.9	63.2	60.8	60.3	60.7			
(152.40 M)	100	47.8	54.4	59.4	59.5	60.5	61.1	62.5	62.4	61.0	59.0	57.8			
MFA 3375. RPM	125	44.2	50.4	54.8	57.7	59.3	57.4	57.3	58.7	56.8	53.1	51.9			
(353. RAD/SEC)	100	39.4	47.4	51.4	52.7	54.7	55.1	56.4	56.0	53.9	50.8	49.4			
MFK 3305. RPM	200	37.3	45.3	50.0	53.4	55.2	56.1	56.2	54.8	54.1	52.2	51.2			
(345. RAD/SEC)	250	39.5	48.0	54.1	57.8	62.5	62.6	61.7	60.3	60.2	62.4	61.5			
MFD 3244. RPM	315	37.8	51.1	57.9	62.2	65.7	65.6	65.0	63.6	62.2	58.5	54.0			
(340. RAD/SEC)	400	39.8	50.0	55.7	60.1	62.3	63.1	64.0	63.4	61.0	57.5	52.8			
AIRFLOW RATIO	500	46.1	47.6	53.0	56.7	60.0	61.0	61.0	60.0	58.3	55.0	50.0			
M/PM 12.60	600	40.6	48.3	53.7	56.3	60.2	61.0	59.5	58.5	56.4	53.4	48.0			
	800	45.3	55.2	63.1	63.8	66.2	67.1	67.4	65.2	63.1	61.4	55.2			
VEHICLE UTMSH	1000	47.2	55.2	64.9	64.5	68.0	69.7	69.3	65.6	63.3	62.7	58.1			
CONFIC 605	1250	39.2	49.9	55.6	59.9	60.9	60.9	61.1	61.4	58.0	56.6	51.4			
LCC SCHENECTADY	1600	37.1	48.7	50.4	58.9	61.4	60.7	61.6	60.9	58.1	56.1	51.8			
DATE 7/9/75	2000	34.8	47.9	52.9	57.5	61.0	60.9	61.5	59.6	58.1	55.4	51.7			
RUN 35/9	2500	31.8	46.5	54.1	57.3	58.7	60.2	59.4	58.9	58.0	54.7	51.5			
TAPE	3150	26.4	43.4	51.8	55.9	58.4	58.8	58.6	58.4	56.3	53.6	50.0			
FAN TIP SPEED	4000	17.4	38.5	47.8	52.3	55.1	55.2	55.5	55.1	52.8	50.5	47.8			
1046. FT/SEC	5000	13.3	35.6	45.8	50.8	53.4	53.9	53.7	53.3	51.2	48.7	48.2			
	6300	1.2	28.3	40.5	46.6	49.6	50.5	50.4	50.3	48.2	45.8	43.8			
	8000		19.2	34.1	41.7	45.0	46.4	46.3	47.2	44.2	41.9	38.6			
	10000		4.5	23.6	32.4	37.1	38.9	40.0	41.1	38.0	35.2	31.6			
OVERALL CALCULATED		56.2	64.3	70.7	72.7	75.3	75.8	76.1	74.8	72.8	71.1	68.3			
PNDB		59.3	70.6	78.5	81.5	84.0	84.6	84.5	84.0	82.0	79.3	75.8			
	50	58.0	63.0	67.1	70.6	70.4	68.6	71.1	71.4	69.0	68.6	69.0			
	63	57.8	65.1	68.7	68.2	70.8	70.8	71.0	69.4	67.4	64.5	62.9			
SIDE LINE 200. FT.	80	58.8	65.1	69.2	70.3	72.2	72.9	74.0	73.8	71.8	70.1	67.5			
(60.96 M)	100	58.9	65.1	68.1	68.7	69.4	69.8	71.2	71.0	69.5	67.8	66.5			
	125	55.7	61.4	64.7	67.1	68.3	66.2	66.1	67.4	65.5	61.8	60.7			
	160	51.3	58.7	61.5	62.2	64.0	64.1	65.3	64.8	62.7	59.7	58.3			
	200	49.6	56.9	60.4	63.1	64.6	65.3	65.2	63.5	63.1	61.1	60.3			
	250	52.1	57.9	62.7	67.7	72.0	71.9	70.9	69.5	69.3	71.5	70.7			
	315	50.6	63.4	68.8	72.4	75.4	75.1	74.3	72.9	71.4	67.7	63.3			
	400	53.1	62.7	68.9	70.5	72.3	72.7	73.5	72.8	70.4	66.9	62.3			
	500	54.0	60.6	64.5	67.4	70.2	70.9	70.7	69.5	67.9	64.5	59.7			
	630	55.2	62.3	65.5	67.2	70.5	71.0	69.3	68.2	66.1	63.2	58.9			
	800	60.5	69.2	75.3	75.0	76.8	77.4	77.5	75.1	73.0	71.3	65.3			
	1000	63.2	69.7	77.5	76.0	78.9	80.2	79.6	75.7	73.4	72.9	68.4			
	1250	56.1	65.0	68.7	71.8	72.1	71.7	71.6	71.8	69.0	66.9	61.9			
	1600	55.1	64.6	70.1	71.3	73.0	71.8	72.8	71.5	68.7	68.7	62.6			
	2000	54.0	64.6	69.2	70.6	73.0	72.3	72.7	70.5	69.0	66.3	62.8			
	2500	52.8	64.1	68.9	70.5	71.8	71.9	70.8	71.2	69.2	65.9	62.9			
	3150	50.1	62.3	67.5	69.8	71.3	71.0	70.5	70.1	68.0	65.3	61.9			
	4000	44.9	59.3	64.8	67.3	68.9	68.3	68.1	67.5	65.1	62.9	60.2			
	5000	43.1	57.6	63.5	66.4	67.7	67.4	66.7	66.1	63.9	61.5	59.3			
	6300	37.6	53.6	60.6	63.9	65.4	65.3	64.6	64.2	62.1	59.7	58.1			
	8000	29.5	49.7	57.7	61.9	63.1	63.3	62.4	62.9	59.8	57.8	54.8			
	10000	17.3	42.2	51.8	56.3	58.4	58.8	58.7	59.4	54.9	53.5	50.5			
OVERALL CALCULATED		69.5	77.4	82.8	83.7	85.8	86.0	85.9	84.5	82.5	80.7	77.7			
PNDB		76.9	87.4	94.6	94.6	96.3	96.2	95.9	95.2	93.1	90.6	87.3			

## Run 35/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 NR. 10.0																	
		MODEL SOUND PRESSURE LEVELS (90 DEG. F., 70 PERCENT REL. HUM., DAT)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ. (U. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	PWL
50																			
RADIAL 17. FT.	60																		
( 5. M)	100	71.6	71.5	70.3	68.1	66.3	67.1	68.9	71.0	72.2	72.9	73.1	72.1						
VEHICLE UTMSH	125	85.1	85.5	83.3	81.8	82.1	81.6	78.4	79.8	79.7	78.5	78.3	79.4						106.9
CONFIG C05	160	64.6	63.3	61.6	62.6	63.8	62.1	79.2	80.8	80.4	78.4	77.6	78.0						114.4
LOC SCHENECTADY	200	82.8	85.0	85.8	84.1	83.3	83.9	82.4	83.0	80.7	77.8	75.8	74.9						115.6
GATE 7/9/75	250	86.5	85.0	84.6	84.6	83.8	83.6	83.7	84.0	83.7	81.6	79.8	77.8						115.7
RUN 35/10	315	86.0	85.5	84.8	83.8	82.3	80.9	80.2	81.0	79.7	78.8	78.0	76.0						114.0
TAPE	400	81.0	80.8	79.6	79.1	79.1	77.9	77.2	76.0	74.4	73.4	72.0	71.9						110.2
BAR 29.5 HG	500	78.6	78.3	78.1	77.3	75.8	75.4	75.7	76.1	75.4	73.6	71.8	69.9						108.8
(99683. N/M2)	630	82.6	81.0	79.9	78.3	78.6	78.1	77.2	77.3	75.5	74.1	72.8	71.1						110.5
TAMB 80. DEG F	800	82.6	82.5	81.1	82.6	83.8	84.6	83.7	82.8	80.2	78.8	78.3	76.9						115.5
(300. DEG R)	1000	81.6	81.3	83.8	85.1	86.3	86.6	85.9	82.6	82.7	80.6	77.5	74.6						117.4
TRET 74. DEG F	1250	84.3	83.6	84.9	84.9	85.6	85.9	86.1	85.4	85.0	81.7	77.3	73.1						117.8
(296. DEG R)	1500	87.1	86.3	82.9	83.1	81.8	83.6	82.9	81.4	79.8	78.0	74.8	70.9						114.8
HACT 19.14 GM/M3	2000	88.0	87.1	85.4	85.1	83.3	85.9	82.4	81.6	79.5	77.5	74.5	71.7						115.8
(.01914 KG/M3)	2500	87.9	86.8	80.6	87.1	85.1	84.3	83.6	82.4	80.8	79.5	78.5	72.7						117.0
NFA 12162. KPH	3150	92.8	91.3	90.3	90.9	88.8	87.3	86.6	85.9	85.3	82.0	80.0	75.7						120.2
(1273. RAD/SEC)	4000	95.0	94.0	90.5	93.3	90.7	88.9	89.7	88.5	89.2	83.4	83.1	78.1						122.8
NFK 11923. KPH	5000	89.0	89.4	87.6	88.5	85.7	85.1	82.9	82.7	81.4	79.7	77.1	73.0						117.3
(1248. RAD/SEC)	6300	89.9	88.7	87.4	87.7	85.6	86.1	82.6	81.7	81.5	78.3	76.5	73.3						117.3
NFL 11517. KPH	8000	88.9	89.1	87.5	88.8	85.7	85.3	84.6	81.5	80.8	78.7	76.4	73.4						117.3
(1206. RAD/SEC)	10000	88.6	88.8	87.1	88.7	85.7	84.2	83.7	81.5	80.8	78.4	76.3	73.1						117.1
NO. OF BLADES 18	12500	88.5	88.1	86.4	86.2	85.5	84.4	82.7	80.5	80.4	77.5	75.8	72.4						116.9
FAN TIP SPEED	16000	86.2	85.2	84.2	84.4	83.1	82.0	79.9	78.7	78.1	75.2	73.4	70.4						114.8
1062. FT/SEC	20000	84.0	84.2	82.8	82.7	81.4	80.2	78.3	77.9	78.2	73.7	71.8	69.5						110.7
	25000	83.9	82.2	80.4	80.3	80.4	78.5	77.0	75.2	74.1	71.9	70.0	68.5						112.5
	31500	80.5	80.7	78.5	78.9	78.6	76.9	75.4	73.6	73.2	69.8	68.1	66.4						111.8
	40000	76.4	76.8	74.9	75.1	74.1	73.2	71.9	70.2	70.3	65.9	64.7	62.3						109.4
	50000	71.6	72.4	70.1	70.6	69.3	68.2	67.5	65.5	66.1	61.3	61.8	59.0						108.7
	63000	66.6	66.5	63.1	62.9	62.1	61.4	61.6	60.7	61.2	57.4	59.3	58.1						103.6
	80000	69.9	69.6	69.1	69.9	69.7	68.4	68.6	68.4	61.0	57.8	60.3	63.1						107.8
OVERALL MEASURED																			
OVERALL CALCULATED	PNUB	101.7	101.1	99.6	99.8	98.7	98.1	97.2	96.3	95.6	92.8	90.9	88.7						130.5
		115.7	115.0	112.7	113.9	112.2	111.2	110.9	110.0	109.8	105.9	104.6	100.9						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	0°	0°	0°	0°	0°
	50	45.8	51.7	57.1	60.9	61.0	59.2	61.6	61.7	59.8	58.8	59.5						
	63	47.0	55.5	56.2	60.2	62.5	62.3	63.7	61.8	59.1	56.9	55.5						
SIDELINE 500. FT. (152.40 M)	80	46.1	53.7	58.5	60.3	62.0	63.3	64.5	64.6	62.0	60.7	58.3						
NFA 3426. RPM	100	46.9	53.4	57.2	58.5	59.0	59.8	61.3	60.4	59.7	57.5	56.8						
T 359. RAD/SEC	125	40.4	47.7	52.0	55.0	55.8	56.4	58.1	55.0	54.0	52.0	51.9						
NFK 3358. RPM	150	37.2	45.6	49.9	51.4	53.0	54.0	55.9	55.7	54.1	51.3	49.7						
T 352. RAD/SEC	200	39.1	46.8	51.0	53.9	55.5	55.9	58.9	55.6	54.4	52.0	50.7						
NFD 3244. RPM	250	39.7	47.5	54.3	58.8	61.7	62.1	62.0	60.1	58.9	56.2	55.2						
T 340. RAD/SEC	315	37.6	49.4	56.4	60.9	63.4	64.1	63.7	62.4	60.5	57.2	53.0						
AIRFLOW RATIO	400	39.1	50.0	55.7	59.8	62.3	64.1	64.2	64.4	61.3	56.7	52.0						
WF/WH 12.60	500	40.6	47.3	53.5	55.7	59.6	60.5	60.0	59.0	57.3	54.0	49.5						
	630	40.1	49.0	56.9	56.8	61.7	59.7	60.0	58.5	56.6	53.4	50.0						
	800	43.0	53.2	60.1	61.8	62.7	63.6	63.9	63.9	60.9	50.6	53.7						
VEHICLE UTHS/M	1000	44.2	52.5	61.9	63.2	64.0	66.4	66.3	67.6	61.6	61.5	55.8						
CONFIG G05	1250	38.0	48.6	54.4	58.6	59.7	59.2	60.1	59.4	57.9	55.1	50.4						
LOC SCHENECTADY	1600	35.1	47.2	54.7	56.9	60.2	58.7	58.6	59.1	56.6	54.1	50.5						
DATE 7/9/75	2000	33.1	45.9	52.9	56.3	58.8	59.9	58.0	57.8	56.1	53.5	49.9						
RUN 35/10	2500	30.3	44.3	52.1	55.7	57.2	58.7	57.7	57.3	55.5	53.2	49.3						
TAPE	3150	25.4	41.6	50.3	54.6	56.6	57.0	56.1	56.6	54.1	52.1	46.0						
FAN TIP SPEED	4000	16.3	36.5	46.5	50.8	53.1	58.2	53.5	53.6	51.0	48.9	45.1						
1052. FT/SEC	5000	12.0	33.6	44.0	48.5	50.9	51.3	52.4	51.5	49.2	47.2	43.9						
	6300		26.2	38.4	44.7	47.3	46.4	48.3	48.2	46.1	44.0	41.5						
	8000		16.6	32.0	39.6	42.6	44.3	44.4	45.1	42.1	40.0	37.2						
	10000		2.3	21.3	30.2	35.1	37.4	38.1	39.4	35.3	33.8	30.1						
OVERALL CALCULATED	PNUB	55.0	63.2	69.1	71.7	73.5	74.2	74.5	74.3	71.7	69.6	66.9						
	PNUB	57.4	68.9	76.6	80.1	82.3	83.0	82.7	82.6	80.1	77.8	74.1						

ORIGINAL PAGE IS  
OF POOR QUALITY

	50	56.2	61.5	66.1	69.6	69.4	67.6	69.9	69.9	68.0	67.1	67.7						
	63	58.3	65.6	67.4	68.9	71.1	70.7	72.0	70.1	67.4	65.2	63.9						
SIDELINE 200. FT. (60.96 M)	80	57.1	64.1	68.0	69.3	70.7	71.9	73.0	73.0	71.1	69.1	66.8						
	100	58.2	64.1	66.8	67.7	67.9	68.3	69.9	69.0	68.3	66.1	65.5						
	125	52.0	58.7	62.0	64.3	64.8	65.2	64.8	63.7	62.7	61.3	60.7						
	150	49.0	56.9	60.0	61.0	62.2	63.6	64.6	64.6	62.9	60.2	58.6						
	200	51.3	58.4	61.4	63.6	64.9	65.0	66.0	64.5	63.3	61.9	59.8						
	250	52.3	59.4	65.0	68.7	71.3	71.4	71.1	69.2	68.0	67.3	65.4						
	315	50.0	61.7	67.3	71.1	73.1	73.6	73.1	71.6	69.7	68.5	63.1						
	400	52.0	62.7	68.9	70.2	72.3	73.7	73.7	73.8	70.7	68.1	61.5						
	500	54.5	60.4	65.0	66.4	69.9	70.4	69.7	68.5	66.9	63.5	59.2						
	630	54.7	62.6	68.8	67.7	72.0	69.8	69.8	68.2	66.3	63.2	59.9						
	800	58.2	67.2	72.3	73.0	73.3	73.9	74.0	73.9	70.8	68.5	63.8						
	1000	60.2	67.0	74.5	74.8	74.9	76.9	76.6	77.7	71.9	71.0	66.1						
	1250	54.9	63.8	67.5	70.5	70.9	69.9	70.6	69.8	68.2	65.4	60.9						
	1600	53.1	63.1	68.3	69.3	71.7	69.8	69.4	69.8	67.2	64.7	61.3						
	2000	52.5	62.6	67.2	69.1	70.7	71.3	69.2	68.8	67.0	64.6	61.0						
	2500	51.3	61.8	66.8	69.0	69.5	70.4	69.1	68.9	66.6	64.4	60.7						
	3150	49.0	60.5	68.0	68.5	69.5	69.3	68.0	68.4	65.7	63.6	59.9						
	4000	43.8	57.3	63.6	65.8	66.9	66.2	66.1	66.0	63.3	61.3	57.7						
	5000	41.8	55.0	61.8	64.1	65.2	64.8	65.4	64.3	61.9	59.9	57.0						
	6300	38.0	51.5	58.5	62.1	63.1	63.2	62.6	62.2	60.0	57.9	55.8						
	8000	28.7	47.1	55.6	59.8	60.9	61.2	60.6	60.8	57.7	55.7	53.4						
	10000	16.6	40.1	49.9	54.2	56.4	57.1	56.8	57.7	53.4	52.0	48.9						
OVERALL CALCULATED	PNUB	68.0	76.0	80.9	82.6	83.9	84.3	84.2	84.0	81.2	79.2	76.3						
	PNUB	75.4	85.7	91.0	93.3	94.6	94.6	94.0	93.8	91.3	89.1	85.0						



Run 35/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 MM. 1961																	
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAT)																			
ANGLES FROM INLET IN DEGREES (AND RADIANs)																			
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.)	(10.17)	(20.35)	(30.52)	(40.70)	(50.87)	(60.05)	(70.22)	(80.40)	(90.57)	(100.75)	(110.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																			
63																			
80																			
RADIAL	17. FT.																		
	( 5. M )	100	72.0	72.3	71.0	69.6	67.3	66.1	69.9	72.0	73.4	73.9	74.1	73.1					105.1
VEHICLE	UTWSIM	125	85.3	85.5	83.8	82.4	82.1	81.4	79.2	79.3	79.9	79.4	78.8	79.6					114.4
CONFIG	G05	100	84.1	82.0	80.5	82.6	82.6	81.6	78.7	79.5	79.4	78.9	78.6	77.4					113.9
LOC	SCHENECTADY	200	82.1	84.0	84.5	83.6	82.1	82.9	81.4	81.3	79.4	76.6	74.3	73.4					114.4
DATE	7/9/75	250	88.8	87.8	86.8	87.1	86.3	85.9	86.2	85.8	85.4	83.8	81.8	79.8					118.8
RUN	35/11	315	88.3	88.0	86.8	86.6	84.6	83.6	82.7	82.8	82.7	81.1	79.5	78.6					118.9
TAPE		400	84.6	84.8	83.5	83.6	82.6	82.9	80.7	78.5	77.7	75.9	74.5	72.9					113.8
BAR	29.5 MG	500	83.1	83.8	83.1	83.1	81.6	80.9	79.9	78.6	77.2	75.1	72.3	71.1					112.9
	(99683. N/M2)	630	81.3	82.8	83.6	83.9	83.3	82.9	80.9	79.8	78.2	75.8	75.1	73.4					114.1
TAMB	61. DEG F	800	84.1	83.8	82.1	82.9	84.1	84.9	84.2	83.8	83.7	82.4	81.3	78.1					116.8
	(300. DEG K)	1000	81.3	80.8	82.3	84.4	86.3	86.9	85.6	85.1	84.5	82.9	82.3	79.1					118.1
THEY	74. DEG F	1250	83.1	82.6	84.6	86.4	85.6	84.1	83.6	82.9	81.2	78.9	74.5	71.1					116.2
	(296. DEG K)	1600	85.4	85.6	84.6	84.0	82.1	82.1	81.4	80.1	79.5	77.5	74.0	70.2					114.3
MACT	18.84 GM/H3	2000	88.4	87.8	88.1	85.2	83.8	83.6	82.6	82.4	80.8	79.3	75.5	71.9					115.9
	(.01084 KG/H3)	2500	90.8	90.8	89.3	89.0	86.6	86.3	85.6	85.1	83.3	81.5	78.5	74.2					118.9
NFA	11088. RPM	3150	95.8	95.6	95.5	96.4	94.1	94.5	93.3	92.1	90.8	88.9	86.0	81.2					126.1
	(1224. RAD/SEC)	4000	95.5	95.7	94.4	94.8	93.7	93.2	92.2	91.3	89.7	87.2	84.0	80.1					125.1
NFR	11448. RPM	5000	92.0	91.9	90.4	90.8	89.2	87.6	86.6	85.7	85.2	82.5	80.6	78.0					120.4
	(1199. RAD/SEC)	6300	93.4	94.0	92.7	92.2	90.9	90.6	88.1	86.2	86.0	84.0	81.7	79.1					122.4
NFD	11517. RPM	8000	92.2	93.1	91.7	91.4	90.4	90.0	87.8	87.0	85.1	83.4	81.7	78.4					121.8
	(1206. RAD/SEC)	10000	92.0	93.4	91.8	92.3	90.4	88.9	88.2	86.0	85.8	84.1	81.6	78.8					122.0
NJ	CF BLADES 1/8	12500	92.8	92.9	91.1	91.1	89.8	88.4	87.5	85.8	85.4	82.8	80.3	78.1					121.5
	16000	16000	89.9	89.9	86.7	89.0	87.4	86.8	84.8	83.5	83.4	80.3	78.0	76.1					119.3
FAN TIP SPEED	1020. FT/SEC	20000	86.0	88.9	87.8	87.8	86.6	85.9	84.1	83.2	81.5	78.4	76.9	75.7					119.0
	25000	25000	87.3	87.2	85.4	85.9	85.3	83.8	82.5	80.5	79.5	77.2	74.8	74.5					117.8
	31500	31500	85.5	85.0	83.5	84.2	83.6	82.2	80.7	79.4	78.5	74.9	73.2	71.7					117.0
	40000	40000	80.8	81.3	79.9	80.0	79.7	78.0	76.7	75.3	75.4	70.4	69.3	67.6					114.4
	50000	50000	75.7	76.7	75.6	75.8	74.4	72.0	72.8	70.3	71.2	65.4	65.4	62.6					111.8
	63000	63000	68.8	69.1	68.9	68.8	66.2	65.0	65.4	63.1	63.6	58.8	59.9	58.0					107.1
	80000	80000	70.1	69.8	69.0	70.4	60.6	60.6	60.8	60.6	61.2	58.0	60.5	65.5					110.5
OVERALL MEASURED																			
OVERALL CALCULATED		104.0	104.1	103.0	103.3	101.9	101.5	100.2	99.3	98.2	96.0	94.0	91.2						133.8
PND#		117.0	117.1	116.4	119.9	115.2	115.1	113.9	113.0	111.8	109.4	107.3	103.5						

Run 35/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 MR. 1961

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)										0.	0.	0.	0.	0.	
		10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)						110. (1.92)
SIDELINE 500. FT. (152.40 M)	50	44.5	50.7	57.1	59.7	60.5	58.7	60.4	60.7	58.3	57.8	58.2					
	63	45.9	54.2	57.8	58.9	61.5	61.3	61.9	60.5	57.8	55.4	54.0					
	80	46.8	55.9	60.8	62.8	64.2	65.8	66.2	66.3	64.0	62.7	60.0					
	100	48.4	55.4	60.0	60.8	61.8	62.1	63.0	63.4	62.0	60.2	58.8					
NFA 3292. RPM ( 345. RAD/SEC)	125	44.4	51.6	56.6	58.5	60.6	59.9	58.0	58.2	56.5	55.1	52.9					
	160	42.6	50.6	55.7	57.2	58.5	58.9	58.4	57.5	55.0	52.0	50.9					
NFK 3224. RPM ( 338. RAD/SEC)	200	40.8	50.5	56.1	58.6	60.2	59.6	59.4	58.3	55.9	55.2	53.0					
	250	41.0	48.5	54.6	59.0	62.0	62.6	63.2	63.6	62.4	61.2	57.5					
NFU 3244. RPM ( 340. RAD/SEC)	315	37.1	48.1	55.7	60.9	63.7	63.9	64.2	64.1	62.7	62.0	58.3					
	400	37.8	49.7	57.2	59.8	60.6	61.6	61.7	60.7	58.5	54.0	50.0					
AIRFLOW RATIO WF/WH 12.60	500	39.8	49.0	54.3	55.9	58.3	59.0	58.8	58.7	56.8	53.2	48.8					
	630	40.9	49.7	55.0	57.3	59.4	60.0	60.7	59.7	58.4	54.4	50.3					
	800	42.5	52.1	58.1	59.5	61.7	62.0	63.2	61.9	60.3	57.1	52.2					
VEHICLE UTMESH CONFIG GOS	1000	45.8	57.5	65.0	66.5	69.5	70.0	69.8	69.1	66.5	64.3	58.9					
	1250	44.3	55.4	64.5	65.7	67.8	68.5	68.7	67.7	65.4	62.6	57.5					
LOC SCHENECTADY	1600	36.3	50.0	57.8	60.4	61.6	62.4	62.6	62.7	60.2	58.1	52.9					
DATE 7/9/75	2000	37.9	51.0	58.3	61.4	64.0	63.3	64.6	63.1	61.3	58.6	55.5					
RUN 35/11	2500	34.4	48.7	58.0	60.3	62.9	62.6	63.0	61.8	60.4	58.4	54.4					
TAPE	3150	30.5	46.8	56.1	59.3	61.0	62.3	61.4	61.9	60.5	57.7	54.2					
FAN TIP SPEED	4000	23.7	43.1	52.9	57.1	59.2	60.4	60.1	60.5	58.2	55.9	52.5					
1020. FT/SEC	5000	17.3	39.0	49.8	54.1	57.0	57.2	57.5	56.2	55.3	52.8	50.1					
	6300	5.7	32.9	45.3	50.7	54.1	54.9	55.6	54.6	52.0	50.2	48.1					
	8000		22.5	38.1	45.4	48.8	50.5	50.4	50.5	48.5	45.7	44.4					
	10000		9.6	29.1	38.3	42.8	44.9	45.8	46.2	43.0	40.9	38.2					
OVERALL CALCULATED		56.2	65.2	71.6	74.0	76.2	76.6	76.9	76.4	74.4	72.2	68.9					
PNUB		59.9	72.8	80.8	84.0	86.4	86.9	86.9	86.6	84.7	82.2	78.6					

SIDELINE 200. FT. ( 60.96 M)	50	55.0	60.5	66.1	68.3	68.9	67.1	68.6	68.9	66.5	66.1	66.5					
	63	56.5	64.3	67.0	67.7	70.1	69.7	70.3	68.9	66.2	63.7	62.4					
	80	59.6	66.3	70.3	71.8	73.0	74.4	74.7	74.8	73.1	71.1	68.5					
	100	59.7	66.1	69.7	70.0	70.6	70.8	71.7	72.0	70.5	68.8	67.5					
	125	56.6	62.6	66.5	67.8	69.8	68.7	67.3	66.9	65.2	63.6	61.7					
	160	54.5	61.9	65.9	66.7	67.7	67.9	67.3	66.3	64.4	61.4	59.8					
	200	53.1	62.1	66.5	68.4	69.6	68.8	68.5	67.3	64.8	64.1	62.0					
	250	53.6	60.4	65.3	69.0	71.5	71.9	72.4	72.7	71.5	70.3	66.7					
	315	50.1	60.4	66.6	71.1	73.4	73.3	73.6	73.4	71.9	71.2	67.6					
	400	51.3	62.4	68.5	70.2	70.5	71.2	71.2	70.1	67.9	64.4	59.5					
	500	53.8	62.1	65.8	66.6	68.4	68.9	68.4	68.3	66.4	62.8	58.5					
	630	55.4	63.3	66.9	68.2	69.8	70.0	70.6	69.4	68.1	64.2	60.1					
	800	57.7	66.1	70.4	70.8	72.4	72.9	73.2	71.9	70.2	67.1	62.3					
	1000	61.8	72.0	77.6	78.1	80.4	80.5	80.1	79.2	76.0	74.4	69.1					
	1250	61.1	70.5	75.6	77.6	78.9	79.2	79.2	78.1	75.7	73.0	68.0					
	1600	56.3	65.9	71.4	72.7	73.1	73.5	73.4	73.4	70.8	68.7	63.7					
	2000	57.3	67.7	72.5	74.2	76.0	74.8	75.7	74.1	72.2	69.6	66.6					
	2500	55.4	66.3	71.4	73.6	75.2	74.4	74.5	73.1	71.6	69.6	65.6					
	3150	54.1	65.6	71.8	73.3	73.9	74.6	73.3	73.6	72.1	69.4	66.1					
	4000	51.2	63.9	69.9	72.1	72.9	73.5	72.8	72.9	70.3	68.3	65.1					
	5000	47.1	61.0	67.6	69.0	71.3	70.7	70.6	71.0	68.0	65.0	63.2					
	6300	42.1	58.3	65.4	68.1	69.9	69.7	69.9	68.0	65.9	64.2	62.4					
	8000	34.2	53.1	61.7	65.6	66.9	67.4	68.6	66.2	64.1	61.3	60.5					
OVERALL CALCULATED		23.5	47.3	57.7	62.2	64.1	64.6	64.6	64.4	61.1	59.1	56.9					
PNUB		69.9	76.9	84.6	85.5	87.1	87.1	87.1	86.5	84.4	82.2	78.6					

## Run 35/Reading 12

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 21 MR. 1971													
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIAN)															
FREQ. (0. ) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0. ) (0. ) (0. ) (0. ) (0. ) PNL															
RADIAL 17. FT.															
( 5. M)															
VEHICLE UTMSIM	125	85.1	74.3	82.3	81.1	81.1	80.1	78.2	78.3	79.2	78.8	78.8	78.9	78.9	105.9
CONFIG COS	160	83.3	81.8	80.0	82.4	82.3	81.1	78.2	79.0	78.9	78.9	78.3	78.9	78.9	113.4
LOC SCHENECTADY	200	80.6	82.8	82.8	82.4	80.8	81.9	80.2	80.0	77.9	75.8	73.8	72.9	72.9	113.0
DATE 7/9/75	250	88.8	87.3	86.3	86.9	85.8	85.6	85.2	85.5	85.4	83.1	81.8	78.8	78.8	113.1
RUN 35/12	315	87.6	87.3	85.8	86.1	83.8	82.6	81.7	82.5	81.9	80.3	78.3	77.9	77.9	110.3
TAPE	400	83.8	84.0	83.0	84.4	82.8	82.4	79.9	78.5	78.9	75.6	74.5	73.1	73.1	118.0
GAR 29.5 MG	500	82.8	83.0	83.1	83.1	81.6	80.4	79.7	79.3	77.2	75.1	72.8	71.4	71.4	113.0
(99683. N/M2)	630	81.1	82.3	83.8	84.7	82.8	82.6	80.9	81.1	77.7	76.9	75.8	74.8	74.8	112.9
TAMB 80. DEG F	800	83.8	83.0	83.1	83.1	85.1	86.1	85.4	85.6	86.0	84.1	82.8	79.9	79.9	114.3
(300. DEG K)	1000	80.8	79.8	82.3	84.8	87.1	86.4	85.1	84.6	83.7	80.4	78.3	74.8	74.8	118.3
FRET 74. DEG F	1250	82.3	82.1	84.1	86.7	88.3	84.6	82.1	81.9	80.5	75.9	77.3	74.9	74.9	117.4
(296. DEG K)	1600	84.9	84.8	83.8	84.8	82.1	83.1	81.1	80.1	79.5	77.5	73.3	68.9	68.9	116.2
MACT 19.14 GM/H3	2000	88.9	87.8	85.3	85.0	83.8	83.4	83.4	81.6	80.0	78.0	75.3	71.7	71.7	114.3
(.01914 KG/M3)	2500	90.4	90.8	86.8	88.5	86.3	86.5	85.4	84.8	83.3	81.8	78.3	74.2	74.2	115.7
NFA 11444. RPM	3150	97.8	95.8	96.8	98.2	94.6	94.0	92.1	91.9	90.8	89.8	87.0	82.4	82.4	118.7
(1198. RAD/SEC)	4000	94.8	93.7	92.7	94.4	91.5	90.7	89.0	88.8	87.7	86.0	83.1	78.3	78.3	126.8
NFK 11219. RPM	5000	91.5	91.4	90.3	90.8	88.9	87.6	86.4	85.5	84.4	82.7	80.0	75.5	75.5	123.2
(1175. RAD/SEC)	6300	93.6	93.5	92.6	92.5	90.9	90.8	87.8	87.4	86.3	84.0	82.5	78.3	78.3	120.2
NFD 11517. RPM	8000	91.2	92.8	91.2	91.9	89.7	89.5	86.8	85.8	84.9	82.9	80.7	77.4	77.4	122.3
(1206. RAD/SEC)	10000	92.8	93.1	91.8	92.3	90.4	89.2	87.7	86.0	85.8	83.8	81.8	79.1	79.1	121.1
NO. OF BLADES 18	12500	92.0	92.1	90.9	91.1	89.3	88.6	87.0	85.8	85.4	83.0	80.5	78.4	78.4	121.9
FAN TIP SPEED	16000	90.2	89.9	88.9	89.0	87.8	87.0	84.9	83.7	83.1	80.0	78.2	76.8	76.8	121.3
399. FT/SEC	20000	88.8	88.2	87.5	87.6	86.6	85.7	83.3	82.7	81.5	79.7	78.6	75.7	75.7	119.8
	25000	87.2	86.7	85.1	85.9	84.2	83.8	82.0	80.7	79.5	77.7	74.5	74.2	74.2	118.8
	31500	85.2	85.0	82.7	83.7	82.6	82.2	79.9	79.1	78.4	75.1	73.4	71.4	71.4	117.5
	40000	80.7	80.3	80.1	79.6	79.1	77.5	76.4	74.7	75.3	70.8	69.2	66.8	66.8	116.8
	50000	75.1	75.9	75.0	75.4	73.3	72.0	72.0	70.0	71.1	65.5	65.3	62.8	62.8	114.1
	63000	68.6	68.7	68.5	68.9	65.1	64.1	64.8	62.9	64.0	58.9	60.0	58.8	58.8	111.1
	80000	69.9	69.6	68.8	70.2	59.9	60.4	60.6	60.4	61.0	57.8	60.3	63.4	63.4	108.8
OVERALL MEASURED															110.8
OVERALL CALCULATED		104.1	133.6	102.9	103.6	101.6	101.8	99.3	98.7	97.8	96.1	93.9	91.0	91.0	
PNdB		117.9	116.8	116.8	117.8	115.2	114.7	112.9	112.8	111.4	110.1	107.7	103.9	103.9	

Run 35/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 21 NH. 10.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110.											
SIDE LINE 500. FT. (152.40 M)	50	44.3	50.2	56.9	59.4	60.0	58.2	59.9	60.2	58.3	57.0	57.7	
	63	44.6	52.4	56.5	57.7	60.5	60.0	60.7	59.0	58.6	54.9	53.5	
	80	48.3	55.4	60.6	62.3	64.0	65.8	60.0	66.3	64.1	62.7	59.3	
	100	47.6	54.4	59.5	59.8	60.8	61.1	62.8	62.6	61.2	59.0	56.1	
NFA 3223. RPM (337. RAD/SEC)	125	43.7	51.1	57.4	58.5	60.3	59.1	58.6	57.5	56.3	55.3	53.1	
	160	41.9	50.0	55.7	57.2	58.0	58.6	59.1	57.5	55.0	53.1	51.2	
NFA 3160. RPM (331. RAD/SEC)	200	40.3	50.5	56.8	58.1	60.0	59.6	60.7	57.8	57.1	55.7	54.2	
	250	40.2	49.5	54.9	60.0	63.2	63.9	65.0	63.8	64.2	62.7	59.2	
NFD 3244. RPM (340. RAD/SEC)	315	36.1	46.1	55.9	61.7	63.2	63.4	63.7	63.4	60.2	58.0	53.6	
	400	37.3	49.2	57.5	60.0	61.1	60.1	60.7	59.9	58.5	56.7	53.0	
AIRFLOW RATIO (F/M 12-60)	500	39.1	46.0	54.3	55.9	59.3	58.8	58.6	58.7	58.8	52.5	47.5	
	630	40.9	49.0	54.7	57.3	59.2	60.7	60.0	59.0	57.1	54.2	50.0	
	800	42.3	51.6	57.6	59.3	62.0	62.4	62.7	61.9	60.6	56.9	52.2	
VEHICLE CONFIG (UT-51M 605)	1000	46.0	56.7	60.8	67.0	69.0	68.7	69.0	68.9	68.3	65.3	60.1	
	1250	42.3	53.6	62.2	63.4	65.3	65.2	60.2	65.7	64.2	61.1	55.7	
ZDC SCHENECTADY	1600	37.8	50.0	57.8	60.2	61.0	62.1	62.4	62.0	60.4	58.1	52.4	
DATE 7/9/75	2000	37.4	51.0	57.5	61.4	64.0	63.1	63.8	63.4	61.3	59.5	54.7	
RUN 35/12	2500	33.9	48.2	56.1	59.6	62.4	61.0	61.8	61.6	59.9	57.4	53.4	
TAPE	3150	30.2	46.8	56.1	59.3	61.2	61.8	61.4	61.7	60.6	57.9	54.5	
FAN TIP SPEED (999. FT/SEC)	4000	22.9	42.8	52.9	56.6	59.4	59.9	60.1	60.5	58.4	55.7	52.8	
	5000	17.3	39.3	49.8	54.3	57.3	57.4	57.8	57.9	55.1	53.0	50.6	
	6300	4.9	32.7	45.0	50.7	53.9	54.1	55.1	54.8	53.3	50.0	48.1	
	8000		22.3	38.1	44.4	48.7	50.0	50.7	50.5	48.9	45.5	44.1	
	10000		8.8	28.6	37.2	42.7	44.1	45.5	46.1	43.2	41.1	37.9	
OVERALL CALCULATED	750	55.6	64.9	71.9	73.8	75.7	75.8	76.4	76.0	74.5	72.2	66.6	
	PNB	59.4	72.7	80.6	83.8	86.1	86.3	86.5	86.3	84.0	82.2	78.0	

ORIGINAL PAGE IS OF POOR QUALITY

	50	54.7	60.0	65.9	68.1	68.4	66.6	66.1	68.4	66.5	65.8	66.0
SIDE LINE 200. FT. (60.96 M)	63	55.3	62.5	65.7	66.4	69.1	68.5	69.0	67.4	65.2	63.2	61.9
	80	59.3	65.8	70.1	71.3	72.7	74.4	74.5	74.8	72.0	71.1	67.8
	100	58.9	65.1	69.2	69.0	69.6	69.8	71.4	71.2	69.8	67.0	66.7
	125	55.2	62.1	67.3	67.8	69.3	68.0	67.3	66.2	65.0	64.0	61.9
	160	53.6	61.9	65.9	66.7	67.2	67.6	68.0	66.3	64.4	61.9	60.1
	200	52.0	62.1	67.2	67.9	69.4	68.8	69.7	68.8	66.1	64.6	63.3
	250	52.8	61.4	65.6	70.0	72.8	73.2	74.1	75.0	73.3	71.8	68.4
	315	49.1	60.4	66.9	71.9	72.9	72.8	73.1	72.6	69.4	67.2	63.1
	400	50.8	61.9	68.7	71.0	71.0	69.7	70.2	69.3	67.9	66.1	63.3
	500	53.0	61.1	65.8	66.6	69.4	68.6	68.4	66.3	66.4	62.0	57.2
	630	55.4	62.5	66.6	68.2	69.5	70.8	69.8	68.7	66.8	63.9	59.9
	800	57.5	65.6	69.9	70.5	72.6	72.6	72.7	71.9	70.5	68.8	62.3
	1000	62.0	73.2	79.4	78.6	79.9	79.2	79.8	79.0	78.4	75.4	70.4
	1250	59.1	68.8	75.3	75.3	76.4	76.0	76.7	76.1	74.5	71.5	68.2
	1600	55.8	65.9	71.4	72.5	73.1	73.2	73.2	72.6	71.0	68.7	63.2
	2000	56.8	67.7	72.7	74.2	76.0	74.5	75.0	74.3	72.2	70.5	65.9
	2500	54.9	65.8	70.9	72.8	74.7	73.4	73.2	72.8	71.1	68.0	64.8
	3150	53.8	65.6	71.8	73.2	74.1	74.1	73.3	73.4	71.6	69.0	66.4
	4000	50.4	63.6	69.9	71.6	73.2	73.0	72.8	72.9	70.8	68.1	65.4
	5000	47.1	61.2	67.6	69.9	71.6	70.9	70.8	70.7	67.8	65.8	63.7
	6300	41.3	58.0	65.1	68.1	69.7	69.0	69.4	68.7	67.1	63.9	62.4
	8000	33.7	52.8	61.7	64.5	66.8	66.9	66.6	66.2	64.8	61.2	59.3
	10000	23.5	46.5	57.2	61.2	64.0	63.8	64.3	64.4	61.3	59.3	56.6
OVERALL CALCULATED		69.3	78.8	84.4	85.2	86.6	86.3	86.0	86.1	84.5	82.1	78.6



		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. UAV)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ. (0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	110.	110.	110.	110.	110.	110.)
SIDELINE 500. FT.	50	40.8	47.7	53.6	58.5	62.4	65.3	68.2	70.1	71.2	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2
(152.40 M)	63	44.6	52.7	58.0	62.7	66.4	69.1	71.8	73.5	74.2	74.3	74.4	74.5	74.6	74.7	74.8	74.9	75.0	75.1
NFA 2307. RPM	80	49.3	56.0	60.3	64.1	67.8	70.5	73.2	74.9	75.6	75.7	75.8	75.9	76.0	76.1	76.2	76.3	76.4	76.5
(152.40 M)	100	51.2	58.4	63.2	67.1	70.8	73.5	76.2	77.9	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5
NFA 2307. RPM	125	46.7	54.9	59.9	64.5	68.2	70.9	73.6	75.3	76.0	76.1	76.2	76.3	76.4	76.5	76.6	76.7	76.8	76.9
(1242. RAD/SEC)	160	45.1	53.8	59.4	63.7	67.4	70.1	72.8	74.5	75.2	75.3	75.4	75.5	75.6	75.7	75.8	75.9	76.0	76.1
NFA 2261. RPM	200	48.8	58.0	62.5	66.1	69.8	72.5	75.2	76.9	77.6	77.7	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5
(1239. RAD/SEC)	250	50.5	59.5	65.1	68.7	72.4	75.1	77.8	79.5	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1
NFA 3244. RPM	315	47.3	57.6	63.4	67.2	70.9	73.6	76.3	78.0	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6
(1340. RAD/SEC)	400	46.3	56.7	62.5	66.4	70.3	73.2	76.1	78.0	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6
AIRFLOW RATIO	500	43.3	52.7	59.1	63.0	66.9	70.8	74.7	77.6	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2
WF/WP 12.66	630	48.4	58.2	64.0	67.9	71.8	75.7	79.6	81.5	82.2	82.3	82.4	82.5	82.6	82.7	82.8	82.9	83.0	83.1
VEHICLE UTWSIM	800	38.9	49.9	56.9	60.8	64.7	68.6	72.5	76.4	78.3	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8
CGRFIG G-R/M	1000	37.7	50.2	57.7	62.3	66.1	70.0	73.9	77.8	80.7	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.2
LOC SCHEMECTADY	1250	42.2	55.6	62.2	67.4	71.6	75.8	79.1	82.4	84.3	85.0	85.1	85.2	85.3	85.4	85.5	85.6	85.7	85.8
DATE 7/9/75	1600	41.3	55.6	63.0	68.2	72.5	76.8	80.1	83.4	85.3	86.0	86.1	86.2	86.3	86.4	86.5	86.6	86.7	86.8
RM 36/4	2000	41.5	56.3	65.5	70.1	74.7	79.3	82.9	86.6	88.5	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0
TYPE	2500	37.0	53.7	63.9	69.0	73.6	78.2	82.8	87.4	90.1	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8
FAH TIP SPEED	3150	30.2	49.1	59.5	65.4	70.6	75.8	80.0	84.2	88.4	90.3	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7
715. FT/SEC	4000	21.8	44.4	55.3	60.3	64.0	68.0	72.0	76.0	80.0	83.0	84.0	84.1	84.2	84.3	84.4	84.5	84.6	84.7
	5000	16.7	41.3	53.3	59.2	61.8	62.4	60.6	55.7	49.4	46.6	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3
	6300	9.1	33.9	44.4	55.0	58.5	58.2	56.8	51.2	45.1	41.9	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.2
	8000		24.3	41.0	49.4	52.7	54.4	53.2	46.8	39.3	35.7	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2
	10000		10.1	30.2	40.2	45.1	47.0	45.6	40.2	31.6	28.0	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6
OVERALL CALCULATED		59.0	69.6	75.8	78.1	79.5	79.9	77.9	75.1	72.5	70.6	67.8	67.9	68.0	68.1	68.2	68.3	68.4	68.5
P4D9		63.0	77.4	86.1	93.2	91.8	92.3	90.3	86.4	82.9	80.6	78.3	78.4	78.5	78.6	78.7	78.8	78.9	79.0

SIDELINE 200. FT.	50	51.2	57.5	62.6	65.1	64.0	63.6	64.1	64.4	61.7	61.1	60.5	60.6	60.7	60.8	60.9	61.0	61.1	61.2
(60.96 M)	63	55.3	62.8	65.2	66.5	68.0	68.3	68.8	67.6	64.7	63.2	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.1
	80	60.3	67.0	69.8	70.6	71.1	71.7	71.7	72.5	70.8	68.9	66.0	66.1	66.2	66.3	66.4	66.5	66.6	66.7
	100	63.2	69.1	72.9	73.2	72.6	72.1	71.7	71.2	70.0	68.3	66.7	66.8	66.9	67.0	67.1	67.2	67.3	67.4
	125	58.2	65.9	69.3	73.9	71.2	70.6	69.6	67.4	65.5	64.0	61.6	61.7	61.8	61.9	62.0	62.1	62.2	62.3
	160	57.0	65.1	69.6	70.2	69.6	69.2	68.3	67.6	65.4	63.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5
	200	61.1	69.6	73.0	73.9	73.6	72.9	71.5	69.5	66.8	64.6	62.0	62.1	62.2	62.3	62.4	62.5	62.6	62.7
	250	63.1	71.4	75.8	77.3	76.4	75.5	73.9	72.4	70.0	66.9	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9
	315	60.3	69.9	74.4	75.4	74.3	72.7	71.3	69.6	66.9	64.2	60.6	60.7	60.8	60.9	61.0	61.1	61.2	61.3
	400	58.8	69.3	73.7	75.0	74.4	72.6	70.7	69.8	67.2	63.9	60.3	60.4	60.5	60.6	60.7	60.8	60.9	61.0
	500	57.3	65.8	70.6	71.6	71.3	70.5	67.4	65.5	64.4	61.5	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9
	630	62.9	77.7	81.4	79.7	82.7	82.6	79.6	76.7	75.1	73.2	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.1
	800	53.2	63.9	69.1	70.8	71.5	71.4	69.2	66.6	63.5	61.3	58.5	58.6	58.7	58.8	58.9	59.0	59.1	59.2
	1000	53.7	64.7	70.3	73.8	75.0	74.7	72.6	70.0	66.6	64.9	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0
	1250	59.1	70.7	78.3	79.3	80.3	81.5	78.9	74.6	71.5	71.7	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1
	1600	59.4	71.5	76.6	78.5	78.6	78.3	75.4	71.6	68.7	66.7	63.8	63.9	64.0	64.1	64.2	64.3	64.4	64.5
	2000	61.0	73.1	79.7	81.8	81.6	82.2	79.4	75.3	71.7	70.3	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0
	2500	59.0	71.2	78.6	82.2	82.9	83.0	80.3	75.7	72.1	69.9	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9
	3150	53.8	67.9	75.3	79.3	81.2	81.6	79.7	75.1	70.4	67.8	66.1	66.2	66.3	66.4	66.5	66.6	66.7	66.8
	4000	49.1	65.2	72.4	75.8	77.8	78.0	75.3	71.5	65.5	63.1	62.4	62.5	62.6	62.7	62.8	62.9	63.0	63.1
	5000	46.5	63.3	71.1	74.8	76.1	75.9	73.7	68.5	62.1	59.4	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.4
	6300	41.5	59.2	69.5	72.4	74.3	73.1	71.1	65.2	59.0	55.9	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9
	8000	33.9	54.8	64.7	69.5	70.8	71.3	69.3	62.6	54.9	51.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3
	10000	22.7	47.8	54.7	64.2	68.4	66.7	64.3	58.4	49.7	46.3	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3
OVERALL CALCULATED		72.3	83.1	88.3	93.0	90.9	91.0	88.6	85.2	82.3	80.5	77.8	77.9	78.0	78.1	78.2	78.3	78.4	78.5
P4D9		81.5	93.9	100.5	103.3	104.1	104.1	101.9	97.8	93.9	91.7	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4

Run 36/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM												PROC. DATE = MONTH 7 DAY 29 HR. 3.8											
MODEL SOUND PRESSURE LEVELS (99, DEG. F., 70 PERCENT REL. HUM., DAY)																							
ANGLES FROM INLET IN DEGREES (AND RADIANS)																							
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.						
(0.	(0.17	(0.35	(0.52	(0.70	(0.87	(1.05	(1.22	(1.40	(1.57	(1.75	(1.92)	0.	0.	0.	0.	0.	0.						
RADIAL 17. FT.	50	63	80																				
( 5. M)	100	72.6	71.8	70.8	69.4	67.1	68.0	70.0	71.8	72.9	73.1	73.3	71.4				105.3						
VEHICLE UTHS/M	125	80.3	80.8	79.3	78.1	78.1	77.3	75.8	74.8	75.4	73.4	73.3	73.4				109.7						
CONFIG E.B/M	160	80.8	79.3	78.3	79.4	79.6	78.8	76.8	76.8	77.4	74.4	74.6	73.6				110.8						
LCC SCHEDULED	200	81.6	83.5	83.5	82.6	81.6	81.0	80.5	80.3	78.9	75.8	74.8	72.9				113.4						
DATE 7/9/75	250	89.3	88.5	87.8	87.4	85.6	85.0	84.0	83.3	83.4	81.6	79.8	77.8				117.7						
RLD 36/5	315	92.3	92.3	90.5	90.9	88.6	88.3	84.5	83.5	83.2	81.8	79.8	78.9				119.5						
TAFE	400	89.1	89.3	88.8	88.6	87.3	86.8	85.3	82.8	80.2	78.6	77.5	74.9				118.1						
BAR 29.5 HG	500	87.8	85.3	86.1	88.1	86.6	84.3	82.8	81.8	79.9	77.9	77.0	73.6				110.9						
(99590. N/M <sup>2</sup> )	600	91.3	91.3	91.3	90.9	89.3	87.8	85.5	83.8	81.5	78.1	75.1	74.4				110.7						
TAMP 71. DEG F	800	93.6	93.0	93.1	94.1	93.1	91.0	88.5	86.3	84.0	81.6	79.3	76.4				122.6						
(295. DEG K)	1000	90.3	91.0	92.1	93.1	91.1	89.0	86.5	85.6	82.2	79.6	77.5	73.1				121.0						
T-ET 69. DEG F	1250	92.3	92.6	93.1	92.9	91.6	89.3	87.2	83.6	82.2	79.7	78.8	73.4				121.3						
(294. DEG K)	1600	91.9	91.6	90.3	89.7	88.1	86.3	85.0	80.6	78.8	76.7	74.3	71.7				118.5						
MACT17.25 GM/M <sup>3</sup>	2000	67.6	88.3	87.6	87.2	86.1	84.5	83.7	79.6	76.3	74.5	72.0	68.9				116.3						
(.31725 KG/M <sup>3</sup> )	2500	99.9	97.8	98.5	98.9	96.3	98.0	96.4	94.4	91.5	88.0	86.5	81.2				128.5						
NFA 9113. RPM	3150	93.3	92.3	93.0	93.9	91.3	92.4	91.4	88.4	85.5	82.0	80.5	75.7				123.1						
( 5509. RAE/SEC)	4000	86.5	87.5	88.2	88.9	86.5	89.3	88.5	85.8	83.0	80.2	77.4	75.1				119.8						
NFM 5309. RPM	5000	92.9	94.7	94.8	97.3	97.2	98.3	97.2	93.5	89.4	85.2	84.8	81.0				126.0						
( 943. RAE/SEC)	6300	93.1	94.4	94.1	95.5	94.6	94.0	93.2	89.7	86.0	82.0	80.9	78.3				125.1						
NFD 11517. RPM	8000	94.7	95.8	97.4	99.8	98.7	97.7	95.6	93.5	88.8	84.7	82.4	81.1				128.4						
(1206. RAD/SEC)	10000	94.1	95.8	96.7	98.0	98.4	98.3	96.0	93.7	89.1	85.1	82.1	80.6				128.8						
NO. OF BLADES 16	12500	92.0	93.3	95.1	96.3	96.8	97.0	96.0	93.2	88.8	84.3	81.0	79.4				127.7						
FAN TIP SPEED	16000	89.4	91.4	92.2	93.9	94.4	93.9	93.2	90.7	86.3	80.5	77.4	76.1				125.3						
756. FT/SEC	20000	89.8	90.1	91.5	92.8	93.4	93.1	91.7	88.4	84.2	77.1	73.4	72.7				124.4						
	25000	87.7	88.7	88.8	90.1	91.0	90.7	89.3	86.0	81.0	73.4	69.7	69.7				122.6						
	31500	85.5	86.2	87.2	88.4	89.8	88.6	86.2	83.8	78.7	70.3	65.9	64.9				121.5						
	40000	81.5	82.8	83.1	84.2	84.9	83.9	83.0	79.5	74.9	64.6	61.0	60.0				118.6						
	50000	76.2	77.4	78.6	79.7	79.4	78.4	78.1	74.2	69.9	59.8	56.3	57.2				115.3						
	63000	69.4	70.0	71.8	72.0	71.4	70.5	70.4	69.2	62.2	56.9	58.3	57.4				110.7						
	80000	69.9	69.8	69.3	70.5	69.9	70.3	70.7	70.2	61.2	58.1	60.8	61.1				114.3						
OVERALL MEASURED:																							
OVERALL CALCULATED	106.0	106.1	106.6	107.6	107.0	106.9	105.4	102.7	99.1	95.4	93.6	90.8					107.8						
PNDR	119.5	118.7	119.1	119.7	118.4	118.6	117.3	114.6	111.8	108.5	106.9	103.0											

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ. (0.		10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	110.	110.	110.	110.	110.	110.	
SIDELINE 500. FT.	80	41.5	48.4	53.9	56.7	57.7	56.8	57.6	58.7	55.8	55.8	54.5	59.1	59.1	59.1	59.1	59.1	59.1	
(152.40 M)	100	49.4	53.2	56.8	58.4	59.7	60.4	60.9	60.0	57.1	55.9	57.5	59.1	59.1	59.1	59.1	59.1	59.1	
NFA 2567. RPM	125	49.6	56.9	61.1	62.1	63.4	63.6	63.7	64.3	62.8	62.8	60.7	59.1	59.1	59.1	59.1	59.1	59.1	
( 269. RAD/SEC)	160	46.9	56.9	61.6	63.3	64.7	64.4	63.9	63.8	63.9	62.7	60.5	59.1	59.1	59.1	59.1	59.1	59.1	
NFR 2558. RPM	200	49.3	58.3	63.0	64.6	65.1	64.2	63.4	61.6	58.4	58.2	54.0	59.1	59.1	59.1	59.1	59.1	59.1	
( 260. RAD/SEC)	250	47.3	57.3	64.4	65.7	65.8	64.7	64.7	64.7	61.9	59.5	57.2	59.1	59.1	59.1	59.1	59.1	59.1	
NFE 3244. RPM	315	47.3	58.2	63.7	65.8	65.7	65.2	62.5	61.7	59.3	56.2	52.3	59.1	59.1	59.1	59.1	59.1	59.1	
( 340. RAD/SEC)	400	45.3	54.7	60.0	62.0	62.4	62.6	59.3	58.0	56.1	53.5	50.3	59.1	59.1	59.1	59.1	59.1	59.1	
AIRFLOW RATIO	500	42.6	51.2	57.0	59.5	60.3	61.1	61.1	58.0	55.2	53.6	50.9	59.1	59.1	59.1	59.1	59.1	59.1	
WF/WH 12.00	630	49.5	61.4	68.1	69.3	73.4	73.4	72.4	70.2	66.8	65.1	59.2	59.1	59.1	59.1	59.1	59.1	59.1	
VEHICLE UT-SIN	1050	42.5	55.0	62.5	63.8	67.4	68.0	66.1	63.8	60.5	58.8	53.4	59.1	59.1	59.1	59.1	59.1	59.1	
CONFIG F-R/M	1250	36.0	49.1	56.7	61.4	63.9	64.8	63.2	61.0	57.4	55.3	52.4	59.1	59.1	59.1	59.1	59.1	59.1	
LCC SCHELECTASY	1600	41.0	54.5	64.3	63.4	72.2	73.0	70.4	67.9	62.9	62.3	57.9	59.1	59.1	59.1	59.1	59.1	59.1	
DATE 7/9/75	2000	38.3	52.5	61.5	65.2	68.2	68.4	66.1	63.1	59.3	58.0	54.7	59.1	59.1	59.1	59.1	59.1	59.1	
RUN 36/5	2500	37.1	54.5	64.1	63.6	70.5	70.4	69.5	65.3	61.9	59.1	55.9	59.1	59.1	59.1	59.1	59.1	59.1	
TAPE	3150	32.9	51.8	61.9	67.3	70.4	70.1	69.1	65.1	61.4	58.1	55.9	59.1	59.1	59.1	59.1	59.1	59.1	
FAN TIP SPEED	4000	24.7	47.9	58.1	64.1	67.8	69.0	67.6	64.0	59.7	56.2	53.7	59.1	59.1	59.1	59.1	59.1	59.1	
756. FT/SEC	5000	18.8	42.5	54.1	61.0	64.2	65.7	64.8	61.2	55.6	52.2	50.1	59.1	59.1	59.1	59.1	59.1	59.1	
	6300	9.9	36.7	50.2	57.5	61.3	62.4	60.8	57.5	50.8	46.7	45.1	59.1	59.1	59.1	59.1	59.1	59.1	
	8000		26.0	42.3	51.2	55.6	57.3	55.9	52.0	44.7	40.7	39.6	59.1	59.1	59.1	59.1	59.1	59.1	
	10000		13.3	33.3	44.5	49.1	50.4	50.3	46.4	38.4	33.6	31.4	59.1	59.1	59.1	59.1	59.1	59.1	
OVERALL CALCULATED		59.8	69.2	75.8	78.4	80.7	80.8	79.5	76.9	73.8	72.0	68.5	59.1	59.1	59.1	59.1	59.1	59.1	
PNDR		63.6	77.5	86.3	92.4	93.0	93.2	91.9	88.6	84.8	82.1	79.3							

ORIGINAL PAGE IS OF POOR QUALITY





## Run 36/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 25 HR. 3.5

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.,	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	0.	0.	0.	0.	0.
50	41.8	48.9	55.4	57.7	57.7	56.8	56.9	57.3	58.0	54.3	53.0						
63	45.6	53.2	57.0	59.2	60.7	60.6	61.7	60.9	57.8	56.9	54.8						
STIDLINE 500. FT. (152.40 M)	49.3	57.1	61.3	62.8	63.4	63.9	64.5	64.0	63.4	60.9	58.3						
100	53.1	60.6	65.0	66.1	65.4	64.9	64.5	64.0	63.0	61.0	59.6						
NFA 2961. RPM (310. RAD/SEC)	50.9	59.1	63.4	65.0	66.4	65.9	64.8	63.5	61.8	59.3	57.1						
160	48.6	57.6	62.4	64.2	63.6	63.7	63.4	62.3	60.3	58.1	55.2						
NFR 2953. RPM (307. RAD/SEC)	49.6	56.5	63.3	64.9	65.6	64.7	63.7	61.9	59.4	56.9	54.7						
250	50.2	60.0	65.6	68.0	68.4	67.5	65.7	64.2	62.4	58.7	56.5						
NFD 3244. RPM (340. RAD/SEC)	49.1	58.5	65.2	66.4	66.1	65.2	63.5	62.5	60.0	57.0	53.5						
400	48.6	57.6	64.5	66.3	66.0	64.4	63.0	62.0	60.3	56.2	53.0						
AIRFLOW FATIG NF/W 12.6C	46.5	55.5	62.0	63.7	63.7	63.1	61.6	59.8	58.8	55.0	52.3						
500	42.9	54.9	60.2	62.5	64.0	64.3	62.8	60.8	58.9	56.7	52.3						
600	53.8	60.1	73.6	75.3	78.4	79.2	76.7	75.3	73.1	70.3	65.5						
VEHICLE UTHSIN 1000	40.0	53.4	60.2	64.0	66.6	67.2	65.3	62.7	60.3	57.5	54.3						
COFFIG R-F/M 1250	39.5	52.1	59.9	61.6	65.6	66.3	65.4	62.8	59.9	57.5	53.9						
LCC SCHEMECTADY 1600	45.1	58.4	67.7	71.4	73.3	74.0	72.6	68.9	65.8	63.3	60.7						
DATE 7/9/75	30.1	53.6	62.0	65.6	67.7	67.7	67.3	64.1	60.1	55.4							
PUL 36/6 2500	38.8	55.7	65.6	69.2	72.1	72.2	70.9	67.5	63.7	61.4	59.0						
TATE 3150	32.6	51.6	62.1	68.1	70.6	71.1	68.8	66.7	62.0	59.3	56.7						
FAT TIP SPEED 4000	23.3	45.9	57.1	63.3	67.0	67.7	66.4	64.4	57.9	54.9	52.3						
916. FT/SEC 5000	19.0	43.3	54.8	61.7	65.5	66.4	65.6	62.8	58.7	52.1	49.6						
6300	6.6	35.8	49.9	57.2	60.9	62.7	61.3	58.4	52.4	48.2	45.2						
8000		25.7	42.7	51.9	56.2	57.9	57.4	55.1	47.5	41.9	38.5						
10000		11.2	31.6	42.2	47.2	49.7	50.0	48.0	39.0	33.5	30.3						
OVERALL CALCULATED	61.1	71.9	78.0	80.5	82.6	83.0	81.2	79.3	76.7	74.0	70.6						
PRDR	65.9	79.9	87.7	91.4	93.9	94.1	92.8	90.2	86.3	83.6	80.8						
50	52.2	58.7	64.4	66.3	66.1	65.1	65.1	65.5	63.2	62.6	61.2						
63	56.3	63.3	66.2	69.0	69.2	69.1	70.1	69.2	68.2	65.2	63.1						
STIDLINE 200. FT. (60.96 M)	60.8	67.5	70.8	71.8	72.1	72.5	73.0	73.1	71.8	69.4	66.8						
100	64.4	71.3	74.7	75.2	74.3	73.6	73.2	72.5	71.5	69.8	68.2						
125	62.5	70.1	73.3	74.4	75.5	74.8	73.6	72.2	70.5	68.0	65.9						
160	60.5	68.9	72.6	73.7	72.9	72.7	72.3	71.2	69.2	66.9	64.1						
200	61.8	70.1	73.7	74.6	75.0	73.9	72.7	70.9	68.3	65.9	63.4						
250	62.8	71.9	76.3	78.0	77.9	76.8	74.9	73.3	71.5	67.8	65.7						
315	62.1	71.1	76.1	76.6	75.6	74.7	72.8	71.7	69.2	66.2	62.8						
400	63.0	71.3	75.7	76.7	75.9	74.1	72.5	71.4	69.7	65.6	62.5						
500	60.8	68.6	73.6	74.4	73.0	73.0	71.4	69.3	68.4	64.5	61.9						
630	57.4	67.5	72.1	73.5	74.4	74.3	72.6	70.5	68.6	66.4	62.1						
800	69.0	82.1	85.9	86.5	89.0	89.4	86.7	85.2	83.0	80.3	75.5						
1000	56.0	67.9	72.5	75.5	77.5	77.7	75.6	72.8	70.4	67.6	64.8						
1250	56.3	67.2	73.0	75.5	76.8	77.0	75.9	73.1	70.2	67.9	64.4						
1600	63.1	74.3	81.4	83.8	84.9	85.1	83.4	79.8	76.4	73.9	71.5						
2000	57.5	70.3	76.2	78.3	79.6	79.2	78.4	75.1	71.0	69.0	66.5						
2500	59.8	73.2	80.4	82.5	84.4	84.0	82.3	78.7	74.9	72.7	70.4						
3150	56.3	70.4	77.5	82.0	83.3	83.3	80.7	78.4	73.7	71.0	68.6						
4000	50.8	66.7	74.1	79.3	80.8	80.8	79.1	76.6	70.3	67.3	64.9						
5000	48.7	65.2	72.8	77.3	79.8	79.9	78.6	75.6	69.4	64.9	62.7						
6300	43.0	61.2	70.0	74.6	76.7	77.5	75.5	72.7	66.2	62.1	59.5						
8000	35.1	56.3	66.4	72.0	74.3	74.7	73.5	70.8	63.1	57.7	54.6						
10000	22.5	49.0	60.2	66.1	68.6	69.4	68.8	66.2	57.1	51.7	49.1						
OVERALL CALCULATED	74.7	85.5	90.4	92.2	93.9	93.9	91.9	89.6	86.7	84.0	80.7						
PRDR	83.9	95.7	100.1	104.8	106.3	106.1	104.3	101.6	97.5	94.8	92.2						

## Run 36/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., 2AV)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.
		FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600
RADIAL 17. FT.		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600
( 5. H)	100	73.1	73.0	71.8	70.4	67.8	68.0	70.0	72.0	73.5	73.8	73.8	72.8				105.8
VEHICLE UTASIM	125	81.6	81.5	79.8	78.9	79.1	77.8	75.8	75.5	75.2	74.1	73.8	74.1				110.3
CONFIG R.F/M	160	80.8	79.5	78.8	80.1	79.8	78.8	77.0	76.3	75.2	73.6	73.1	72.0				110.4
LOG SCHEFFERSEY	250	82.3	84.8	84.8	84.1	83.1	82.5	82.5	81.3	80.2	77.5	76.3	74.8				114.9
DATE 7/9/78	330	88.3	88.3	87.5	87.1	85.6	84.5	83.7	83.3	83.2	81.3	79.5	77.6				117.5
REV 36/7	315	92.3	92.5	91.3	91.1	89.1	87.0	84.7	83.3	82.8	81.6	79.5	78.9				119.8
TAFE	400	91.6	91.5	91.3	91.1	89.8	89.0	87.8	85.3	83.0	81.1	79.0	77.9				120.5
BAR 20.5 HG	500	88.6	89.0	89.6	90.9	89.8	88.8	85.3	83.3	82.0	79.8	77.5	75.4				119.0
(9590. RPM)	630	93.6	93.5	91.1	90.9	89.3	87.0	85.8	83.6	80.2	77.8	76.5	74.6				119.5
TAMB 70. DEG F	800	92.6	92.5	92.6	93.4	92.1	90.3	88.2	85.6	83.5	81.1	78.0	75.9				121.9
(294. DEG K)	1000	91.3	91.5	92.6	93.1	91.6	89.3	86.7	84.6	83.0	80.1	77.5	74.1				121.2
T.ET 76. DEG F	1250	93.1	92.8	93.1	92.9	91.3	89.0	87.2	84.6	82.6	80.6	77.3	74.8				121.3
(293. DEG K)	1400	91.9	91.6	90.6	90.4	89.1	87.5	85.0	82.6	80.4	78.2	75.8	72.8				119.2
HACT16.68 RPM/3	2000	87.9	86.6	86.6	87.7	86.9	85.5	83.5	80.9	78.6	76.5	73.8	70.4				118.8
(.01668 RPM/3)	2500	87.6	87.8	88.3	88.4	88.1	86.7	85.9	84.4	82.1	79.5	76.8	72.9				118.5
NFA 11067. RPM	3150	111.6	102.3	102.3	104.7	104.6	103.4	104.1	102.1	99.9	96.0	90.4					135.3
(1161. RAD/SEC)	4500	91.8	92.5	93.2	94.9	94.0	93.6	93.8	91.8	89.3	85.4	83.9	80.1				125.1
NFA 10971. RPM	5500	88.7	90.2	89.8	91.6	93.7	90.0	89.7	87.2	84.3	80.6	78.8	75.0				121.3
(1149. RAD/SEC)	6300	89.6	100.2	100.9	101.5	100.4	100.0	98.9	95.9	92.8	89.5	86.4	84.3				131.0
NFA 11517. RPM	8000	94.2	93.8	94.6	95.3	94.2	93.4	92.4	90.5	86.7	83.1	80.1	79.1				124.9
(1206. RAD/SEC)	10000	95.6	97.3	97.7	100.3	99.4	98.1	98.1	95.0	92.1	87.3	84.6	83.3				129.8
NO. OF BLADES 12	12500	93.0	94.8	95.4	97.9	97.5	95.8	95.8	93.8	91.2	85.7	82.3	80.4				128.1
FAN TIP SPEED	16000	91.4	91.7	93.2	95.0	94.9	94.4	93.4	91.5	88.9	81.9	79.2	77.6				128.0
968. FT/SEC	20000	88.8	88.9	92.0	93.8	94.1	93.8	92.4	90.4	88.0	80.6	78.9	75.2				125.5
	25000	88.7	89.4	89.3	91.9	92.8	92.2	91.1	88.3	85.6	78.9	74.0	72.7				124.4
	31500	87.3	87.5	88.4	90.2	90.6	90.1	89.3	86.9	83.8	76.3	70.6	68.7				123.5
	40000	82.8	83.1	83.9	85.7	86.5	85.4	84.8	82.3	80.2	71.4	65.5	63.6				120.4
	50000	77.0	78.5	79.1	80.8	82.9	79.7	80.4	77.1	75.8	66.6	61.4	58.8				117.2
	63000	69.5	70.3	71.9	72.8	72.5	71.6	72.7	70.6	69.7	64.2	59.1	58.5				112.5
	80000	70.0	69.9	69.4	70.6	70.0	70.4	70.8	70.3	71.2	67.9	60.9	61.0				119.8
OVERALL MEASURED																	
OVERALL CALCULATED		107.2	107.8	108.0	109.6	109.0	108.1	107.8	105.5	103.1	99.1	97.3	94.0				139.8
PRDF		121.0	121.6	121.7	123.3	122.8	121.7	121.7	119.6	117.3	113.8	112.3	108.7				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (G.)	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.										0. 10. 10. 10. 10.				
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.17)	(0.35)	(0.52)	(0.70)
50	42.0	48.9	54.6	57.0	57.7	57.1	57.1	57.1	55.0	54.3	53.7					
63	46.6	54.4	58.3	59.9	61.2	62.4	61.9	61.4	58.8	57.4	55.3					
SIDELINE 500. FT. (152.40 M)	80	49.3	56.6	60.8	62.1	62.9	63.4	63.7	64.1	62.3	60.4	58.0				
150	52.9	59.9	64.5	65.3	65.2	64.2	63.5	63.5	61.9	60.2	59.1					
NFA 3123. RPM ( 327. RAD/SEC)	125	51.2	59.4	64.1	65.8	66.9	66.9	65.3	63.5	61.7	59.6	57.9				
160	47.9	57.1	63.4	64.4	64.4	64.2	63.1	62.3	60.3	57.8	55.2					
NFA 3590. RPM ( 374. PAD/SEC)	200	48.6	56.0	63.0	64.6	64.9	64.5	63.2	60.9	58.1	56.7	54.7				
250	49.7	59.0	65.1	67.0	67.4	66.7	65.0	63.4	61.1	57.9	55.2					
NFA 3224. RPM ( 340. RAD/SEC)	315	47.8	58.3	64.4	66.2	66.1	64.9	63.7	62.7	59.9	57.2	53.2				
400	48.1	58.2	63.7	65.6	65.5	65.2	63.5	62.0	60.2	56.7	53.5					
AIRFLOW RATIO	500	45.8	55.0	60.8	63.0	63.7	62.6	61.3	59.5	57.5	55.0	51.5				
W/F/M 12.60	630	39.6	50.2	57.5	60.3	61.3	60.8	59.2	57.5	55.5	52.7	48.8				
	630	39.5	51.1	57.6	61.1	62.1	62.9	62.4	60.7	58.3	55.4	50.9				
VEHICLE UTSIM	1000	52.5	64.2	73.2	77.1	78.4	68.8	79.8	78.2	74.5	73.3	68.1				
CONFIG G.S/M	1250	41.0	54.1	62.7	65.9	68.1	70.1	69.2	67.3	63.6	61.8	57.4				
LOC SCHEMATICARY	1600	38.5	49.5	58.5	61.9	64.0	65.5	64.1	61.5	58.4	56.3	52.9				
DATE 7/5/75	2000	44.1	59.2	67.5	70.9	73.4	74.2	72.3	69.9	66.8	63.5	60.7				
RUN 36/7	2500	35.1	51.7	60.5	64.1	66.3	67.2	66.5	63.8	60.9	58.9	55.1				
TAPE	3150	34.4	52.8	64.1	66.3	70.1	72.1	70.4	68.2	63.6	60.7	58.7				
FAN TIP SPEED	4000	25.7	47.3	58.8	64.9	67.0	68.8	68.1	66.3	61.1	57.4	54.7				
966. FT/SEC	5000	19.0	43.5	55.8	61.6	64.7	66.0	65.5	63.7	57.0	54.0	51.6				
	6300	7.7	37.2	51.2	58.2	62.0	63.2	62.8	61.4	54.2	50.2	47.6				
	8000		26.5	44.1	52.9	57.1	59.1	58.2	56.6	50.2	45.0	42.6				
	10000		14.6	35.1	45.3	50.7	53.5	53.3	51.5	44.4	38.4	35.2				
OVERALL CALCULATED		60.5	70.3	77.5	83.7	82.1	83.6	82.5	80.2	77.3	75.5	71.6				
PNDR		65.0	78.9	87.5	91.2	93.2	94.4	93.1	91.1	87.0	84.7	81.4				

ORIGINAL PAGE IS OF POOR QUALITY

50	52.5	58.7	63.6	65.6	66.1	65.4	65.4	65.3	63.2	62.6	62.0					
63	57.3	64.5	67.5	68.7	69.7	70.8	70.3	69.7	67.1	65.7	63.6					
SIDELINE 200. FT. ( 60.96 M)	80	60.3	67.0	70.3	71.1	71.6	72.0	72.2	72.6	70.8	68.9	66.5				
130	64.2	70.6	74.2	74.5	74.1	72.9	72.2	72.0	70.5	68.8	67.7					
125	62.7	70.4	74.0	75.1	76.0	75.8	74.1	72.2	70.4	68.3	66.6					
160	57.8	68.4	73.6	74.0	73.6	73.2	72.0	71.2	69.1	66.7	64.1					
200	60.8	69.6	73.5	74.4	74.3	73.6	72.2	69.9	67.0	65.6	63.3					
250	62.3	70.9	75.8	77.0	76.9	76.0	74.2	72.5	70.2	67.0	64.4					
315	60.8	70.6	75.4	76.4	75.6	74.4	73.1	71.9	69.1	66.4	62.6					
400	61.5	70.8	75.0	76.0	75.4	74.8	73.0	71.4	69.6	66.1	63.0					
500	59.8	68.1	72.3	73.6	73.8	72.5	70.9	69.1	67.1	64.5	61.2					
630	54.2	63.7	69.3	71.2	71.7	70.9	69.1	67.3	65.3	62.4	58.8					
800	54.7	65.1	69.9	72.3	72.8	73.2	72.5	70.7	68.2	65.3	61.0					
1000	68.5	78.7	85.9	88.5	89.3	91.3	90.1	89.3	84.6	83.4	78.4					
1250	57.9	69.3	75.8	77.8	79.3	80.8	79.7	77.7	73.9	72.2	67.9					
1600	54.5	65.4	72.1	74.2	75.5	76.6	74.9	72.2	69.0	67.0	63.7					
2000	63.5	75.9	81.7	83.7	85.4	85.6	83.5	80.9	77.7	74.5	71.8					
2500	56.1	69.3	75.3	77.3	78.6	78.9	74.6	71.2	68.1	66.6						
3150	58.1	71.6	79.8	82.2	83.0	84.4	82.3	79.9	75.3	72.4	70.6					
4000	53.2	68.1	75.9	79.8	81.3	81.8	80.8	78.7	73.4	69.8	67.4					
5000	48.9	65.5	73.6	77.1	79.0	79.5	78.6	76.5	69.7	66.8	64.7					
6300	46.1	62.5	71.4	75.6	77.8	78.0	77.1	75.3	68.1	64.2	61.9					
8000	36.5	57.0	67.7	73.1	75.3	76.0	74.3	72.3	65.8	60.7	58.8					
10000	26.0	52.3	63.7	69.3	72.0	73.2	72.1	69.8	62.5	56.6	53.9					
OVERALL CALCULATED		74.1	84.1	90.2	92.6	93.5	94.6	93.2	91.3	87.5	85.7	81.8				
PNDR		83.3	95.5	102.2	104.7	105.6	106.5	104.8	102.6	98.3	95.5	93.0				

## Run 36/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6																	
		MODEL SOUND PRESSURE LEVELS (99. PERCENT REL. MIN. MAX. RAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 1)(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)																			
50																			
63																			
80																			
RADIAL 17. FT.																			
( 5. M)																			
VEHICLE UTMS# 125		72.6	72.5	71.5	69.6	67.6	67.5	69.8	70.8	72.3	72.3	72.6	71.4					104.8	
COFFIC B.F/M 160		81.6	81.0	79.8	78.4	78.3	76.8	75.8	75.0	75.5	73.6	73.6	74.1					109.9	
LOC SCHELECTARY 200		79.6	78.0	77.3	78.9	78.6	77.3	75.5	75.3	74.8	72.8	72.8	71.0					109.4	
DATE 7/9/75		61.8	63.8	64.0	63.4	62.1	62.0	61.3	60.5	79.5	79.5	75.5	73.6					114.0	
RUN 36/A		250	88.0	87.3	86.8	86.1	84.6	83.3	82.5	82.5	82.2	80.3	78.5	76.6					116.5
TAFE		315	91.3	91.5	90.0	89.9	87.8	85.5	83.5	82.0	81.5	80.3	78.8	78.1					118.0
BAR 29.5 HG		400	90.8	91.0	90.0	90.4	88.8	85.5	87.3	85.1	83.3	80.8	78.8	77.9					119.0
(99590. N/M2)		500	88.6	88.5	89.3	89.9	87.8	86.3	84.5	83.1	81.5	79.3	77.5	75.4					119.4
TANG 70. DEG F		630	95.6	91.5	91.1	90.9	88.8	85.1	85.8	83.6	81.0	77.3	76.8	77.1					119.6
(294. DEG K)		800	91.3	91.3	92.1	92.4	91.6	89.5	87.5	85.3	83.0	80.3	77.8	75.9					121.2
T-ET 62. DEG F		1000	93.1	90.5	92.1	92.6	90.6	88.3	86.2	83.8	82.3	78.8	76.3	73.1					120.5
(293. DEG K)		1250	91.8	92.1	91.8	92.2	90.6	88.5	86.0	84.1	82.3	79.5	76.8	73.6					120.5
MACT16.68 GM/M3		1600	93.1	90.5	89.1	89.4	89.1	87.3	84.7	82.1	80.1	77.9	75.8	72.0					118.6
(31668 KG/M3)		2000	86.4	86.3	86.3	87.2	86.9	85.5	84.7	82.1	80.1	77.5	74.8	72.4					119.0
NFA 11451. RPM		2500	87.9	88.1	87.8	88.4	89.1	88.0	86.7	84.6	81.9	79.7	77.3	72.9					119.0
(1199. RAD/SEC)		3150	102.8	92.6	101.0	102.7	102.6	102.7	103.1	101.6	98.6	95.0	93.2	86.7					134.0
NFY 11331. RPM		4000	97.0	95.0	95.9	96.9	97.0	97.1	97.5	95.5	93.1	89.4	86.6	81.3					128.4
(1186. RAD/SEC)		5000	87.9	85.9	86.1	90.8	90.9	91.3	90.7	88.7	86.6	81.9	79.8	76.5					122.8
NFE 11517. RPM		6300	94.1	95.4	97.4	99.0	98.6	97.5	96.4	94.2	91.3	87.0	85.4	83.0					128.7
(1206. RAD/SEC)		8000	91.9	93.1	93.6	95.3	94.2	93.2	92.6	91.0	87.4	83.4	80.9	79.1					124.9
NO. OF BLADES 12		10000	95.3	96.6	97.0	98.3	98.2	97.1	96.1	93.7	90.4	86.1	83.3	82.3					126.4
FAN TIP SPEED		12500	92.5	93.8	93.6	95.3	95.8	95.3	93.8	92.0	89.4	84.2	81.3	79.1					126.4
1000. FT/SEC		16000	98.2	91.2	92.4	93.7	93.9	93.4	91.7	90.0	87.7	81.7	77.9	76.8					124.8
		20000	90.0	90.9	91.3	92.3	92.9	92.1	91.2	88.2	86.8	80.1	76.1	74.5					124.1
		25000	88.2	88.7	88.6	90.9	91.3	90.7	89.3	86.8	84.6	78.1	73.0	71.7					123.0
		31500	86.8	86.7	87.2	89.0	89.6	89.1	87.3	85.1	82.5	75.6	69.6	67.7					122.2
		40000	82.5	82.5	83.1	84.7	85.2	84.2	83.5	81.3	79.0	70.4	64.5	62.3					119.3
		50000	76.2	77.2	78.4	79.8	79.7	78.2	78.4	75.3	74.5	65.6	60.6	58.6					115.8
		63000	69.0	69.3	70.6	72.3	71.5	70.4	71.2	69.8	68.9	64.0	59.1	57.7					111.8
		80000	70.0	69.9	69.4	70.6	70.0	70.4	70.8	70.3	71.2	67.9	60.9	63.2					115.7
OVERALL MEASURED																			
OVERALL CALCULATED		106.9	106.3	106.9	108.1	107.8	107.3	106.9	105.1	102.3	98.5	96.3	92.4					138.8	
PNDR		121.5	119.8	120.7	121.9	121.8	121.2	121.1	119.4	116.7	113.2	111.3	106.5						

Run 36/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 25 HR. 3.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. MAY)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	12.10)	0.	0.	0.	0.	0.
50	40.5	47.4	53.4	55.7	56.2	55.6	56.1	56.1	54.2	54.1	52.7						
63	45.6	53.7	57.5	58.9	60.7	61.1	61.2	60.6	57.8	56.7	54.3						
SIDELINE 500. FT. (152.40 M)	60	48.3	55.9	59.8	61.1	61.7	62.1	63.0	63.1	61.3	59.4	57.0					
NFA 3225. RPM ( 338. RAD/SEC)	100	51.9	58.6	63.2	64.1	63.7	62.9	62.3	62.2	61.2	59.5	58.3					
NFA 3192. RPM ( 334. RAD/SEC)	125	50.7	58.1	63.4	64.8	66.4	66.4	65.1	63.8	61.5	59.3	57.9					
NFA 3244. RPM ( 340. RAD/SEC)	160	47.4	56.8	62.4	63.4	63.9	63.4	62.9	61.8	59.8	57.8	55.2					
NFA 3192. RPM ( 334. RAD/SEC)	200	49.6	58.0	63.0	64.1	65.4	64.5	63.2	61.1	57.6	56.9	56.7					
NFA 3244. RPM ( 340. RAD/SEC)	250	46.5	56.5	64.1	66.5	66.6	66.0	64.7	62.9	60.4	57.7	55.2					
NFA 3244. RPM ( 340. RAD/SEC)	315	46.8	57.6	63.9	65.2	65.1	64.4	63.0	62.0	58.7	56.0	52.2					
NFA 3244. RPM ( 340. RAD/SEC)	400	47.3	56.9	63.0	64.8	65.0	63.9	63.0	61.7	59.5	56.2	52.5					
AIRFLOW RATIO W/F/M 12.60	500	44.8	53.5	59.8	63.0	63.4	62.4	60.8	59.3	57.3	55.0	51.5					
	630	39.4	50.0	57.0	60.3	61.3	62.1	60.5	59.0	56.6	53.7	48.8					
	800	39.8	50.6	57.6	62.1	63.4	63.7	62.7	60.5	58.5	55.9	50.9					
VEHICLE UTHSIP 1000	450	49.8	63.0	71.2	75.1	77.7	79.8	79.3	76.9	73.5	71.5	64.4					
CONFIG F.F.P 1250	450	43.5	56.9	64.7	68.9	71.6	73.8	72.9	71.0	67.6	64.6	58.7					
LCC SCHEMECTADY 1600	450	35.2	48.8	57.8	62.2	65.2	66.5	65.6	63.5	59.6	57.3	53.4					
PATE 779775 2000	450	40.3	55.7	65.0	69.2	70.9	71.7	70.6	68.4	64.3	62.5	59.5					
RUP 36/8 2500	450	34.4	50.7	60.5	64.1	66.0	67.4	67.0	64.1	60.3	57.6	55.1					
TAPE 3150	450	33.7	52.0	62.1	67.1	69.1	70.1	69.1	66.5	62.4	59.4	57.7					
FAN TIP SPEED 4000	450	24.7	45.5	57.1	63.1	66.1	66.8	66.4	64.6	59.6	56.4	53.5					
1000. FT/SEC 5000	450	18.5	42.8	54.5	60.6	63.7	64.2	64.6	62.5	56.8	52.8	50.6					
6000	450	7.7	36.4	49.7	57.0	60.3	62.0	60.6	60.1	53.7	49.5	46.9					
8000	450		25.8	43.1	51.4	55.6	57.3	56.7	55.6	49.4	44.0	41.6					
10000	450		13.3	33.9	44.3	49.7	51.5	51.6	50.3	43.7	37.4	34.2					
OVERALL CALCULATED	450	59.5	69.4	76.3	79.5	81.5	82.9	82.2	80.1	76.7	74.5	70.0					
PND8	450	63.4	77.1	85.9	90.3	92.3	93.2	92.3	90.2	86.3	83.8	80.5					

50	51.0	57.2	62.4	64.3	64.6	63.9	64.4	64.3	62.4	62.3	61.0						
63	56.3	63.8	66.7	67.7	69.2	69.6	69.6	68.9	66.1	65.0	62.6						
SIDELINE 200. FT. ( 60.96 M)	80	59.3	66.3	69.3	70.1	70.4	70.7	71.5	71.6	69.8	67.9	65.4					
	100	63.2	69.3	72.9	73.2	72.6	71.6	70.9	70.8	69.7	68.1	67.0					
	125	62.2	69.1	73.3	74.1	75.5	75.3	73.8	72.5	70.2	68.0	66.6					
	160	59.3	66.1	72.6	73.0	73.1	72.5	71.8	70.7	68.6	66.7	64.1					
	200	61.8	69.6	73.5	73.9	74.8	73.6	72.2	70.1	68.5	65.9	65.8					
	250	61.1	70.4	74.8	76.5	76.2	75.3	73.9	72.0	69.5	66.8	64.4					
	315	59.8	70.1	74.9	75.4	74.8	73.9	72.3	71.2	67.9	65.2	61.6					
	400	60.8	69.6	74.2	75.2	74.9	73.6	72.5	71.2	68.9	65.6	62.0					
	500	58.8	66.6	71.3	73.6	73.6	72.2	70.4	68.8	66.8	64.5	61.2					
	630	53.9	63.5	68.8	71.2	71.7	72.1	70.3	68.8	66.3	63.4	58.6					
	800	55.0	64.6	69.9	73.3	74.0	74.0	72.7	70.4	68.4	65.8	61.0					
	1000	65.7	77.5	83.9	86.6	88.6	90.3	89.6	87.1	83.6	81.7	74.8					
	1250	60.4	72.0	77.8	80.8	82.8	84.6	83.4	81.4	77.9	75.0	69.2					
	1600	53.3	64.7	71.4	74.5	76.8	77.6	76.4	74.2	70.2	68.0	64.2					
	2000	59.7	72.4	79.2	81.9	82.9	83.1	81.7	79.4	75.2	73.5	70.6					
	2500	55.4	68.3	75.3	77.3	78.4	79.2	78.4	75.4	71.5	68.9	66.6					
	3150	57.3	70.9	77.8	81.0	82.0	82.4	81.0	78.2	74.0	71.1	69.6					
	4000	52.2	66.4	74.1	78.1	79.8	79.8	79.0	77.0	71.9	68.8	66.1					
	5000	48.3	64.7	72.3	76.1	78.0	77.8	77.1	75.3	69.5	65.5	63.7					
	6300	44.1	61.8	69.9	74.4	76.1	76.8	74.9	74.1	67.6	63.4	61.1					
	8000	35.7	56.3	66.7	71.6	73.8	74.2	72.8	71.3	65.0	59.7	57.8					
	10000	25.2	51.0	62.4	68.3	71.0	71.2	70.3	68.5	61.8	55.6	52.9					
OVERALL CALCULATED	450	72.9	83.0	89.9	91.4	92.8	93.7	92.8	90.6	86.9	84.7	80.2					
PND8	450	81.6	94.2	100.8	103.7	104.8	105.2	103.9	101.6	97.6	94.7	92.2					



Run 36/Reading 10

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 25 MR. 3.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DRY)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
FREQ. (0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	0.	10.	20.	30.	40.
50	41.5	45.9	51.9	54.0	54.7	54.1	54.6	54.8	53.2	53.6	53.0						
63	44.6	51.9	55.3	56.7	56.7	58.9	59.7	58.9	56.0	54.2	52.5						
SIDELINE 500. FT. (152.40 M)	47.1	54.1	58.1	59.8	60.4	60.4	61.2	61.4	59.8	58.4	55.8						
NFA JJ50. RPM ( 351. RAD/SEC)	50.9	57.6	62.0	62.6	62.2	61.7	61.3	61.2	59.7	58.5	57.1						
NFA JJ16. RPM ( 347. RAD/SEC)	51.4	56.4	63.4	65.8	66.7	66.7	64.8	64.0	61.2	58.6	59.1						
NFA JJ24. RPM ( 340. RAD/SEC)	47.4	56.1	61.2	62.2	62.1	61.9	61.1	60.8	58.3	56.3	53.7						
NFA JJ31. RPM ( 347. RAD/SEC)	49.6	59.0	64.3	66.1	66.4	66.2	64.2	62.4	60.8	59.4	55.5						
NFA JJ47. RPM ( 340. RAD/SEC)	48.5	57.7	63.6	66.5	66.4	66.0	64.7	63.2	60.1	57.4	54.5						
NFA JJ50. RPM ( 340. RAD/SEC)	45.6	55.1	62.4	65.2	65.1	64.7	62.7	61.7	58.9	56.2	52.5						
AIRFLOW RATIO	46.8	56.2	63.0	65.6	67.2	66.2	64.7	63.5	61.2	57.7	55.0						
WF/WH 12.60	43.3	52.7	59.5	63.0	64.7	64.1	63.0	62.0	60.0	56.7	53.0						
630	39.6	49.7	57.2	63.0	65.8	67.6	67.5	65.0	62.8	58.9	55.0						
830	48.0	60.1	67.1	70.8	72.9	74.9	73.9	72.5	68.3	67.1	61.5						
VEHICLE UTMSIM 1000	48.7	61.4	69.5	72.7	75.6	77.2	76.0	74.9	70.7	69.5	63.3						
CONFIG E.F./M 1250	38.5	50.6	59.7	63.1	65.3	65.8	65.9	63.3	60.1	57.5	54.2						
LGC SCHEMECTADY 1600	41.1	55.9	63.2	66.4	68.6	69.2	70.1	67.4	63.5	61.3	57.5						
DATE 7/9/75 2000	40.3	55.3	64.0	66.8	69.2	69.5	71.0	68.1	64.3	61.6	58.4						
PUN 36/10 2500	37.0	53.2	62.1	66.5	68.8	69.2	69.1	67.2	62.6	59.2	56.7						
TAPE 3150	30.6	46.6	58.3	63.4	65.5	66.6	65.8	64.7	59.5	55.5	53.7						
FAN TIP SPEED 4000	22.8	44.4	55.6	60.3	63.3	63.7	63.2	62.9	56.7	52.4	50.8						
1038. FT/SEC 5000	18.7	41.8	52.8	58.7	61.3	61.9	61.6	60.8	54.6	50.1	47.9						
6300	6.1	34.1	47.4	54.5	57.2	58.5	58.3	57.0	51.3	45.4	43.5						
8000		24.5	40.5	49.1	52.2	53.6	54.4	52.9	46.5	40.2	37.2						
10000		9.5	29.4	39.0	43.0	46.3	46.3	46.0	39.0	32.3	29.1						
OVERALL CALCULATED	59.3	69.1	75.9	79.3	81.0	81.9	81.3	79.8	76.0	74.1	70.0						
PNDR	63.1	76.9	85.3	89.3	91.5	92.0	91.8	90.1	85.8	82.8	79.6						

50	52.0	55.7	60.9	62.6	63.1	62.4	62.9	63.0	61.4	61.8	61.2						
63	55.3	62.0	64.5	65.5	67.2	67.3	68.1	67.2	64.4	62.5	60.9						
SIDELINE 200. FT. ( 60.96 M)	58.1	64.5	67.6	68.8	69.1	69.6	69.7	70.1	68.3	66.9	64.3						
100	62.2	68.3	71.7	71.7	71.1	70.4	69.9	69.8	68.2	67.1	65.7						
125	63.0	69.4	73.3	75.1	75.7	75.6	73.6	72.7	69.9	67.3	67.0						
160	59.3	67.4	71.4	71.7	71.4	71.0	70.0	69.7	67.1	65.2	62.6						
200	61.8	70.6	74.7	75.9	75.8	75.4	73.2	71.4	69.8	68.4	64.5						
250	60.6	69.6	74.3	76.5	75.9	75.3	73.9	72.3	69.2	66.5	63.7						
315	58.6	67.4	73.4	75.4	74.8	74.2	72.1	70.9	68.1	65.4	61.8						
400	60.3	68.8	74.2	76.0	77.2	75.8	74.2	72.9	70.6	67.1	64.5						
500	57.3	65.8	71.1	73.6	74.8	74.0	72.7	71.6	69.6	66.3	62.7						
630	54.2	63.2	69.1	74.0	77.2	77.6	77.3	74.8	72.5	68.7	64.9						
800	63.2	74.1	79.4	82.0	83.5	85.2	84.0	82.4	78.2	77.0	71.5						
1000	64.7	75.9	82.1	84.3	86.5	87.7	86.3	85.0	80.8	79.6	73.6						
1250	55.3	65.7	72.8	75.0	76.5	76.5	76.4	73.6	70.4	67.9	64.7						
1600	59.1	71.8	76.9	78.7	80.1	80.3	80.9	78.1	74.1	71.9	68.3						
2000	59.7	72.1	78.2	79.6	81.1	80.9	82.1	79.1	75.2	72.5	69.5						
2500	58.0	70.7	76.9	79.7	81.1	81.0	80.6	78.5	73.8	70.4	68.2						
3150	54.3	67.4	74.0	77.3	78.4	78.8	77.7	76.4	71.1	67.3	65.8						
4000	50.3	65.2	72.6	75.3	77.0	76.8	75.8	75.3	69.0	64.8	63.2						
5000	48.5	63.8	70.6	74.3	75.5	75.4	74.7	73.6	67.3	62.9	60.9						
6300	42.5	59.5	67.6	71.9	73.0	73.3	72.5	71.0	65.2	59.4	57.7						
8000	34.4	55.0	64.2	69.3	70.3	70.5	70.6	68.6	62.1	56.0	53.4						
10000	21.6	47.3	58.0	62.9	65.1	66.0	65.1	64.3	57.1	50.5	47.9						
OVERALL CALCULATED	72.8	82.8	89.3	90.6	92.0	92.6	91.8	90.1	86.1	84.1	80.1						
PNDR	81.5	93.6	99.7	102.4	103.7	103.7	103.1	101.3	96.9	93.8	91.0						



## Run 36/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM													PROC. DATE - MONTH 7 DAY 29 HR. 3.0		
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIANS)															
0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 110. 0. 0. 0. 0. 0. PNL															
FREQ. (0. ) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (0. ) (0. ) (0. ) (0. ) (0. )															
30															
63															
80															
RADIAL 17. FT.															
( 5. H)															
VEHICLE	UTMSIM	125	78.3	78.0	77.3	80.9	75.8	74.5	73.8	73.3	74.0	71.5	72.1	72.4	100.6
CONFIC	B.5/H.	160	77.8	76.5	75.8	80.9	77.1	75.5	74.3	74.0	73.3	71.8	72.6	71.9	100.7
LGF	SCHENECTADY	250	81.8	85.3	84.3	82.6	81.3	82.5	80.3	81.5	79.8	77.5	73.8	73.8	114.1
DATE	7/9/75	250	86.5	86.0	85.3	84.6	83.1	81.8	81.5	81.0	80.5	78.8	77.3	75.1	115.0
RUN	36/11	315	90.1	89.5	88.5	87.1	86.1	84.0	82.0	80.0	79.5	78.5	77.3	76.6	116.9
TAFIC		410	93.1	93.0	91.8	90.4	92.1	91.8	90.8	87.6	85.5	82.1	81.5	80.6	122.4
CAF	20.5 FG	510	88.6	89.3	89.3	89.1	87.6	85.5	84.3	81.8	80.8	77.8	76.5	74.8	117.9
	(99590. N/M <sup>2</sup> )	630	92.1	94.0	94.6	92.7	93.6	92.1	90.8	87.8	86.0	81.6	80.6	79.1	123.3
TAFB	69. DEG F	600	92.8	92.9	93.3	92.6	93.3	92.3	90.0	87.8	85.0	82.6	79.0	72.1	122.9
	(294. DEG K)	1000	90.8	91.5	91.8	91.9	92.3	90.0	89.0	87.1	85.0	82.6	80.0	76.6	121.8
TAFI	68. DEG F	1200	91.6	91.1	93.1	92.7	92.8	91.8	91.7	89.4	85.8	82.1	82.8	78.4	123.4
	(293. DEG K)	1500	93.6	92.8	90.1	90.4	91.4	90.3	89.0	86.9	85.4	82.9	80.3	77.9	121.3
FACT	16.98 GM/M <sup>3</sup>	2000	85.6	89.3	88.8	89.4	92.1	92.8	91.7	89.9	87.4	85.5	82.5	78.4	122.9
	(.01698 KG/M <sup>3</sup> )	2500	84.6	90.3	89.5	89.4	93.6	94.7	94.7	93.1	90.6	89.0	86.5	80.2	125.3
NFA	12257. RPM	3150	95.3	98.1	95.3	97.0	96.0	96.2	96.9	94.9	91.9	88.0	86.7	82.4	128.0
	(12257. RAD/SEC)	4000	101.0	105.7	102.7	100.9	105.0	102.3	104.0	102.3	98.3	94.4	93.4	90.1	134.9
NFK	12141. MPH	5000	98.7	92.2	91.8	92.8	92.7	91.8	91.5	90.2	88.0	83.6	82.0	78.3	123.5
	(1271. RAD/SEC)	6300	93.4	94.4	94.1	96.5	94.4	93.5	92.7	92.2	89.1	85.2	82.7	80.0	125.5
NFI	11517. RPM	8000	97.4	98.3	97.6	98.3	97.7	96.7	95.6	95.2	93.2	89.1	86.4	83.9	128.7
	(1206. RAD/SEC)	10000	94.8	95.6	94.5	96.8	95.4	94.6	93.5	92.7	90.1	85.6	82.6	80.3	126.5
NG. OF BLADES	18	12500	93.3	94.3	93.4	95.5	94.0	93.5	92.8	91.5	90.2	85.0	81.3	78.9	125.6
FAN TIP SPEED		16000	91.0	92.1	92.4	94.2	92.4	92.1	90.4	90.0	88.7	82.2	77.9	76.1	124.3
	1070. FT/SEC	20000	91.0	90.9	90.2	92.3	91.1	90.1	88.7	87.7	86.0	80.3	75.6	73.4	122.9
		25000	89.0	88.2	88.1	90.6	88.7	87.9	87.0	86.5	84.1	78.1	73.0	70.4	121.6
		31500	87.5	89.5	86.2	90.4	87.1	86.3	84.7	83.6	81.3	75.8	69.1	65.7	120.8
		40000	81.7	81.8	81.6	87.1	82.7	81.4	79.9	79.0	77.9	70.8	64.5	61.8	118.0
		50000	76.1	76.4	76.5	86.9	76.8	75.6	75.8	74.0	73.2	66.2	60.3	58.0	116.9
		63000	68.9	69.0	69.0	83.2	69.1	69.2	69.3	68.9	68.3	64.4	58.2	58.6	115.1
		80000	69.8	69.8	69.2	90.4	69.9	70.2	70.8	70.1	71.0	67.7	60.8	63.3	125.2
OVERALL MEASURED															
OVERALL CALCULATED 106.7 109.1 107.5 107.9 108.7 107.2 107.5 105.9 103.0 99.3 97.4 94.2 109.5															
PNDR 120.7 123.8 121.8 121.2 123.4 121.6 122.3 120.6 117.4 113.9 112.4 100.2															

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIAN)

	FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	39.0	45.9	55.4	54.2	54.4	54.3	54.9	54.6	53.2	53.8	52.7						
	63	47.1	53.9	56.0	58.2	61.2	60.1	62.2	60.9	58.0	54.9	54.3						
NFA 3452. RPP (361. RAD/SEC)	125	50.1	57.1	61.5	62.3	62.2	61.4	60.3	60.2	59.4	58.0	56.8						
	160	48.1	56.8	61.7	63.2	63.1	63.2	61.6	61.1	58.3	56.8	54.4						
NPK 3420. RPP (353. RAD/SEC)	200	52.1	61.5	64.8	66.9	69.4	69.5	67.4	66.1	61.0	60.7	58.7						
	250	49.2	59.7	64.4	68.3	69.4	68.5	67.2	64.9	62.6	58.9	56.5						
NPD 3244. RPP (340. RAD/SEC)	315	47.6	57.6	63.2	66.9	66.6	67.2	66.2	64.7	62.4	59.7	57.7						
	400	46.3	58.2	63.5	67.1	68.2	69.7	68.2	65.2	65.7	62.2	57.3						
AIPFLCH RATIO	500	45.1	54.5	60.8	65.2	66.4	66.6	65.5	64.5	62.3	59.5	56.5						
WF/M 12.60	630	42.4	52.5	59.2	65.5	66.0	69.1	68.2	66.3	64.5	61.4	56.8						
	800	49.8	58.1	67.1	69.8	71.0	73.9	72.9	70.5	67.8	65.3	63.5						
VEHICLE UTRC/M	1000	56.3	64.6	69.5	72.5	77.4	80.0	76.7	73.0	71.7	67.8							
CONFIG F.P/M	1250	40.7	52.8	60.7	64.6	68.3	67.8	67.6	66.0	63.1	60.4	55.7						
LOC SCHEMECTARY	1600	40.8	53.9	63.5	65.7	67.0	68.5	69.1	66.7	63.0	60.3	57.0						
DATE 7/5/75	2000	42.3	56.1	64.5	68.3	70.2	71.0	71.8	70.4	66.5	63.6	60.4						
RUN 36/11	2500	37.0	51.7	62.1	65.5	67.6	68.5	68.9	67.0	62.6	59.4	56.5						
TAPE	3150	31.6	48.6	59.6	63.1	65.8	67.1	67.1	66.5	61.5	57.5	54.4						
FAP. TIP SPEED	4000	23.3	44.7	56.3	60.1	63.3	63.7	64.7	64.1	57.9	53.4	50.8						
1070. FT/SEC	5000	18.7	41.0	53.6	58.2	60.6	61.7	62.1	61.3	55.9	50.9	47.9						
	6300	5.6	33.9	48.7	53.5	56.7	58.5	59.5	58.0	52.3	46.9	43.5						
	8000		24.3	43.5	48.1	52.2	53.6	54.4	53.1	48.0	41.0	37.5						
	10000		9.0	33.4	39.7	43.3	45.5	46.8	47.0	40.3	33.5	29.6						
OVERALL CALCULATED		61.5	70.5	76.2	81.1	82.0	83.9	83.3	80.8	77.6	75.5	72.0						
PNR		67.0	77.9	85.9	90.3	91.7	93.3	92.9	91.2	87.4	84.5	81.0						

ORIGINAL PAGE IS OF POOR QUALITY

	50	49.5	55.7	64.4	62.8	62.0	62.6	63.1	62.8	61.4	62.1	61.0						
	63	57.8	64.0	66.0	67.0	69.7	68.8	70.6	69.2	67.1	63.2	62.0						
SIDELINE 200. FT. (60.96 M)	80	58.1	64.8	67.5	66.6	68.9	69.7	70.0	69.9	68.3	66.6	64.0						
	100	61.4	67.8	71.2	71.5	71.1	70.1	68.9	68.8	68.0	66.6	65.5						
	125	64.2	70.9	73.3	77.4	78.7	78.8	76.3	74.7	71.4	70.8	69.4						
	160	69.0	68.1	71.9	72.7	72.4	72.2	70.5	69.9	67.1	65.7	63.3						
	200	64.3	73.1	75.2	78.6	78.8	78.6	76.5	75.1	70.8	69.6	67.8						
	250	61.8	71.6	75.1	78.3	78.9	77.8	76.4	74.0	71.7	68.0	65.7						
	315	60.8	69.9	74.1	77.1	76.6	76.7	75.6	73.9	71.6	68.9	65.1						
	400	61.8	70.6	74.7	77.5	78.2	79.3	77.7	74.7	75.1	71.6	66.8						
	500	59.0	67.6	72.3	75.9	76.0	76.5	75.2	74.1	71.8	69.0	66.2						
	630	56.9	66.0	71.1	76.5	76.9	79.1	78.1	76.0	74.3	71.2	66.6						
	800	65.0	72.1	79.4	81.0	82.2	84.2	83.0	80.4	77.7	75.3	70.5						
	1000	72.0	79.2	82.1	89.0	88.3	91.2	90.3	86.8	83.1	81.9	78.1						
	1250	57.6	68.8	73.8	78.5	77.5	78.5	76.1	76.4	73.4	70.8	66.2						
	1600	58.9	69.8	77.1	78.0	79.1	79.6	79.9	77.3	73.6	70.9	67.8						
	2000	61.7	72.8	78.7	81.1	82.1	82.4	82.9	81.3	77.4	74.5	71.5						
	2500	58.0	69.2	76.9	78.7	79.9	80.2	80.3	78.2	73.8	70.7	67.9						
	3150	55.3	67.4	75.3	77.0	78.7	79.3	79.0	78.2	73.1	69.3	66.3						
	4000	50.8	65.5	73.4	75.0	77.0	76.8	77.3	76.5	70.2	65.8	63.4						
	5000	48.5	63.0	71.4	73.8	75.0	75.2	75.2	74.1	68.6	63.7	60.9						
	6300	42.0	59.2	68.8	70.9	72.5	73.3	73.8	72.0	66.2	60.9	57.7						
	8000	34.4	54.8	67.2	68.3	70.3	70.5	70.6	68.9	63.6	56.7	53.6						
	10000	21.6	46.8	62.0	62.7	64.6	65.2	65.6	65.3	58.4	51.0	48.4						
OVERALL CALCULATED		75.7	84.0	88.7	92.5	92.9	94.4	93.6	91.1	87.7	85.5	82.0						
PNR		84.0	94.0	100.2	102.7	103.7	104.5	104.0	102.3	98.4	95.3	92.2						

## Run 39/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.0																
		MODEL SOUND PRESSURE LEVELS 159, DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	Pnt
FREQ. (0. 1(0.17)(0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(0. 1(0. 1(0. 1(0. 1(0. 1																		
RADIAL 17. FT.	50																	
	63																	
	80																	
( 5. H)	100	68.8	68.3	67.5	67.1	65.1	65.4	68.2	69.8	70.9	71.1	71.9					102.8	
VEHICLE UTMSIM	125	76.9	77.5	76.0	75.4	73.6	73.4	72.4	72.5	72.7	72.6	71.7					106.5	
CONFIG A+3	160	78.3	74.5	73.3	76.1	75.1	73.6	72.2	71.0	70.4	68.4	68.4					105.5	
LCC SCHEMECTARY	250	77.3	79.5	79.5	79.8	77.6	77.4	77.2	76.5	74.7	71.6	70.4					109.3	
SATE 7/16/75	250	84.5	83.8	83.0	83.1	81.1	80.1	80.2	80.5	79.7	77.8	77.2					113.5	
RUN 39/4	315	67.1	67.5	66.5	66.4	63.6	61.9	60.2	60.5	79.4	76.1	77.2					115.2	
TAPE	400	83.1	83.0	82.5	83.1	81.3	79.9	78.2	76.0	73.7	72.1	70.7					111.7	
GAP 30.0 HG	500	82.6	82.6	82.6	83.1	80.6	78.6	77.7	76.1	74.2	72.6	71.9					111.4	
(01212. N/R2)	530	67.5	67.6	67.8	68.2	66.1	65.1	62.7	61.3	78.7	76.1	74.7					116.6	
TAMB 83. DEG F	600	85.6	88.5	88.6	89.4	87.3	85.9	83.4	81.4	79.5	77.4	75.2					117.6	
(301. DEG K)	1000	67.1	67.3	65.6	66.4	64.3	62.0	60.9	77.8	75.7	73.6	70.7					114.6	
TMET 76. DEG F	1250	64.5	64.6	63.8	63.7	61.4	79.9	78.2	75.9	73.5	71.2	68.7					112.8	
(298. DEG F)	1600	79.9	80.8	80.1	79.7	76.4	75.6	73.6	71.4	68.5	67.2	65.2					107.8	
MACT20.16 GM/M3	2000	89.4	90.6	92.5	94.0	90.1	91.6	88.6	86.4	84.5	81.3	76.2					121.9	
(02016 KG/M3)	2500	83.1	84.1	85.5	86.5	82.9	82.0	80.4	76.1	76.1	73.0	69.6					114.1	
NFA 7109. RPM	3150	81.3	82.5	82.3	82.4	80.3	77.5	74.6	71.6	69.1	68.5	65.3					110.1	
( 744. RAD/SEC)	4000	90.0	91.0	91.4	91.4	87.5	84.4	82.5	79.3	76.2	72.7	73.8					116.1	
NFK 6950. RPM	5000	87.5	88.9	88.6	88.3	85.9	83.1	79.6	76.2	73.5	71.2	70.4					115.9	
( 728. RAD/SEC)	6300	90.9	92.2	92.4	92.7	89.9	87.4	84.4	80.7	76.8	75.3	73.8					120.1	
NFE 11517. RPM	6000	90.7	91.6	92.4	92.6	89.4	86.0	85.6	82.3	77.9	74.9	73.5					120.4	
(1206. RAD/SEC)	10000	90.1	91.6	92.0	92.5	89.5	86.4	87.0	83.7	78.2	74.6	73.2					120.6	
NO. OF BLADES 16	12500	88.8	89.9	89.6	89.8	89.0	87.6	86.2	82.8	77.9	73.5	71.9					119.4	
FAN TIP SPEED	16000	87.9	88.4	88.2	91.0	88.4	87.3	85.9	83.2	78.6	73.0	71.3					119.5	
621. FT/SEC	20000	85.8	87.2	87.3	88.5	87.4	86.4	84.3	81.9	77.0	69.9	67.5					118.5	
	25000	83.5	84.2	84.3	85.9	85.0	84.0	82.0	78.5	73.3	68.4	64.1					116.5	
	31500	81.7	82.9	82.1	83.9	83.1	82.7	80.4	77.1	70.9	63.8	60.0					115.7	
	40000	78.4	78.7	77.5	80.9	78.9	77.9	76.3	73.2	67.8	58.8	56.8					113.0	
	50000	74.3	74.3	74.3	76.5	73.5	72.4	71.7	67.4	63.4	56.7	56.6					110.1	
	63000	68.3	68.4	67.4	71.1	67.3	65.0	64.4	61.8	59.9	56.3	56.0					106.7	
	80000	69.8	69.7	68.5	71.6	69.6	62.3	60.8	60.3	60.9	58.0	54.6					101.9	
OVERALL MEASURED																		
OVERALL CALCULATED		103.3	101.6	101.9	102.5	100.0	98.9	96.7	94.3	91.3	88.4	86.6					131.9	
PNIB		112.7	113.5	113.8	113.3	111.0	110.4	107.9	105.6	103.3	100.5	97.9						

Run 39/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. LAY)																						
ANGLES FROM INLET IN DEGREES (AND RADIANS)																						
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ.	10.	110.	171.	255.	370.	520.	750.	1070.	1530.	2180.	3140.	10.	110.	171.	255.	370.	520.	750.	1070.	1530.	2180.	3140.
SIDELINE 500. FT. (152.40 M)	50	37.9	43.9	50.5	52.2	52.5	52.2	51.9	51.7	49.8	49.7	63	41.4	49.2	53.8	54.4	56.0	57.0	57.2	55.8	52.8	51.5
NFA 2002. RPM ( 210. RAD/SEC)	60	44.6	52.1	56.3	57.8	58.5	59.8	61.0	60.6	58.9	58.1	100	47.9	55.1	59.7	59.8	60.0	59.6	60.8	60.1	59.0	57.9
NFA 1958. RPM ( 205. RAD/SEC)	125	42.7	50.6	56.1	57.3	57.9	57.4	56.1	54.2	52.8	51.2	160	41.6	50.1	55.7	56.2	56.6	55.9	54.5	53.1	52.2	
NFA 3244. RPM ( 340. RAD/SEC)	200	45.8	54.8	60.3	61.4	62.5	61.4	60.9	58.8	56.4	54.8	250	45.7	55.0	61.1	62.3	63.0	61.9	61.2	59.3	57.4	55.1
AIRFLOW RATIO WF/W 12.00	315	43.3	51.3	57.7	58.9	59.4	59.1	57.0	55.4	53.5	50.3	400	39.8	48.9	54.5	55.6	56.3	56.1	54.7	52.9	50.8	48.1
VEHICLE UT+SIM CONFIG A+3	500	36.3	46.2	51.3	52.2	53.3	53.1	52.5	50.5	48.1	45.6	630	43.9	56.2	63.7	63.6	67.4	66.0	64.7	63.5	60.4	55.1
LOC SCHENECTADY DATE 7/16/75	800	35.5	48.4	55.6	55.8	58.2	57.4	56.2	54.7	51.9	48.2	1000	32.8	44.2	51.0	52.8	52.5	51.2	49.3	47.4	45.0	43.7
FAH TIP SPEED 621. FT/SEC	1250	35.5	52.4	58.3	59.5	59.0	58.7	56.7	54.2	50.9	51.7	1600	35.3	48.3	55.1	57.2	57.1	55.4	53.1	51.0	48.9	48.0
OVERALL CALCULATED PNDH	2000	36.1	50.7	58.8	60.4	60.8	59.6	57.1	53.9	52.6	50.9	2500	32.9	49.5	57.8	60.4	60.9	60.4	58.3	54.6	51.9	50.3
	3150	28.7	47.0	56.4	58.4	60.5	61.1	59.1	54.9	51.0	49.3	4000	20.7	41.5	52.6	56.4	58.4	59.2	57.1	53.0	48.9	47.0
	5000	15.8	38.5	51.8	55.1	57.5	58.4	57.3	53.4	48.1	46.1	6300	3.9	32.4	46.0	51.5	54.6	55.1	54.3	50.3	43.5	43.8
	8000		21.5	38.1	45.2	49.0	50.0	48.4	44.2	37.7	35.1	10000		6.3	28.8	37.7	43.2	44.6	43.5	38.8	31.9	27.7
	OVERALL CALCULATED PNDH	54.8	64.4	70.8	71.9	73.3	72.8	71.8	69.9	67.6	65.6	58.1	72.5	80.7	82.9	84.3	84.3	82.7	79.4	75.9	74.0	

SIDELINE 200. FT. ( 60.96 M)	50	47.5	53.7	59.6	63.8	60.9	60.6	60.1	59.9	59.0	57.9	63	52.0	59.3	63.0	63.2	64.6	65.5	65.5	64.1	61.2	59.8
NFA 2002. RPM ( 210. RAD/SEC)	60	55.8	62.5	66.3	66.6	67.2	66.4	69.5	69.0	67.3	66.5	100	59.2	65.8	69.4	69.0	68.9	68.3	69.4	68.7	67.5	66.4
NFA 1958. RPM ( 205. RAD/SEC)	125	54.2	61.6	66.0	66.6	66.8	66.2	64.8	62.9	61.5	59.9	160	53.5	61.4	65.9	65.8	65.5	65.6	64.8	63.7	61.9	61.1
NFA 3244. RPM ( 340. RAD/SEC)	200	58.1	66.4	70.7	71.1	71.9	70.5	70.0	67.8	65.3	63.7	250	58.4	66.9	71.8	72.3	72.5	71.2	70.4	68.5	66.5	64.2
AIRFLOW RATIO WF/W 12.00	315	56.3	63.6	68.6	69.1	69.1	68.6	66.3	64.6	62.7	59.6	400	53.3	61.6	65.7	66.0	66.3	65.7	64.2	62.3	60.2	57.5
VEHICLE UT+SIM CONFIG A+3	500	50.3	59.3	67.8	62.9	63.4	62.9	62.1	60.0	57.6	55.4	630	58.4	69.8	75.3	74.5	77.8	76.0	74.6	73.2	70.1	64.8
LOC SCHENECTADY DATE 7/16/75	800	51.0	62.4	67.9	67.0	68.9	67.6	66.2	64.6	61.7	58.2	1000	48.8	58.7	63.5	64.3	63.1	61.7	59.6	57.5	55.1	53.8
FAH TIP SPEED 621. FT/SEC	1250	56.4	67.5	71.3	71.3	70.2	69.5	67.2	64.6	61.2	62.1	1600	53.3	64.2	68.9	69.5	68.6	66.5	63.9	61.6	59.5	58.6
OVERALL CALCULATED PNDH	2000	55.5	67.5	73.9	73.2	72.7	71.0	68.2	64.8	63.5	61.9	2500	53.9	67.0	72.6	73.6	73.2	72.1	69.7	65.8	63.1	61.5
	3150	52.3	65.7	72.1	72.3	73.4	73.3	71.0	66.6	62.6	61.0	4000	48.2	62.4	69.6	71.4	72.2	72.2	69.8	65.4	61.3	59.4
	5000	45.6	60.5	69.5	70.6	71.3	71.9	70.3	66.2	60.8	58.9	6300	40.3	57.8	66.1	68.9	70.4	70.0	68.0	64.2	57.4	54.8
	8000	31.2	52.0	61.7	65.3	67.1	66.9	64.5	60.0	53.3	50.8	10000	21.4	46.3	57.4	61.7	64.5	64.3	62.3	56.9	50.3	45.9
	OVERALL CALCULATED PNDH	68.1	77.9	83.2	83.5	84.4	83.5	82.0	79.7	77.1	75.1	77.2	89.5	97.5	96.2	96.9	96.4	94.4	90.9	87.3	85.8	

## Run 39/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM	PROC. DATE - MONTH 7 DAY 28 HR. 3.6												
	MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. TXV)												
	ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.												
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.)													
50													
63													
RADIAL 17. FT.													
( 5. M)													
VEHICLE UTMSIM	100	69.6	70.0	68.8	70.6	65.1	66.4	69.4	71.3	71.7	72.6	73.2	104.1
CCIFIG A+3	125	78.3	78.8	77.0	76.9	75.3	73.9	72.7	73.3	73.4	74.1	73.4	107.7
LCC SCHENECTADY	160	77.3	75.5	74.8	77.6	76.3	74.0	73.2	72.3	71.9	70.6	70.4	100.9
DATE 7/16/75	200	78.6	60.8	81.0	81.1	78.8	78.9	78.7	78.0	75.9	73.6	72.4	111.0
FL 39/5	250	86.0	85.3	85.0	85.1	82.8	82.1	82.2	82.0	81.7	79.8	78.7	115.4
TAP	315	89.8	90.0	89.0	88.9	86.3	84.4	83.2	82.8	82.2	81.3	79.2	117.8
BAR 30.3 HG	400	85.8	86.0	85.3	86.4	84.3	83.4	81.7	79.5	77.2	75.9	74.7	115.0
(01212. N/P2)	500	84.3	84.8	84.6	84.6	82.6	80.9	79.2	77.6	76.4	74.6	73.4	113.2
TAMB 83. DEG F	630	89.1	89.0	89.1	89.2	87.1	85.9	84.2	82.3	79.7	77.4	75.4	117.7
(301. DEG K)	800	91.6	91.5	90.8	91.1	89.1	88.1	86.4	84.1	82.0	79.6	77.9	119.8
T-ET 76. DEG F	1000	89.8	89.8	88.3	89.6	86.6	84.9	82.9	80.8	78.5	76.1	73.7	117.0
(292. DEG K)	1250	86.4	86.3	86.6	86.2	84.1	82.4	80.9	78.4	76.3	73.4	71.7	114.8
FACT20.16 GM/M3	1600	81.1	81.1	81.3	81.0	77.9	76.9	75.4	72.6	70.5	69.0	67.2	109.1
(002018 NG/M3)	2000	80.6	81.3	83.3	82.7	79.4	78.4	76.9	74.1	71.0	69.0	67.9	110.6
NFA 8265. RPM	2500	74.4	93.1	98.5	95.5	91.0	92.8	90.1	86.9	82.6	81.0	80.4	124.1
( 866. RAD/SEC)	3150	83.3	84.1	85.0	84.4	81.8	79.8	77.6	75.1	71.3	69.0	68.3	112.3
NFK 8110. RPM	4000	85.3	85.2	85.4	85.6	83.5	80.7	78.2	75.3	72.7	70.0	68.8	113.3
( 849. RAD/SEC)	5000	92.0	92.2	93.4	93.1	90.9	87.9	84.6	82.2	80.5	77.2	74.9	120.7
NFD 11517. RPM	6300	93.1	93.0	92.9	93.5	89.9	87.6	84.4	81.4	78.0	75.5	74.3	120.5
(1206. RAD/SEC)	8000	95.2	95.1	95.4	96.1	93.7	91.0	88.6	85.5	81.9	78.9	77.0	123.7
NO. OF BLADES 18	10000	93.3	95.1	94.3	96.3	93.7	92.4	90.5	87.7	84.1	79.6	77.5	124.3
FAN TIP SPEED	12500	92.0	92.4	92.4	94.5	92.5	91.8	89.7	87.3	83.4	78.5	75.9	123.2
724. FT/SEC	16000	90.9	90.9	91.2	94.0	92.2	90.8	89.4	86.5	83.6	77.0	74.6	123.8
	20000	90.8	91.2	91.3	93.3	91.9	91.2	90.1	87.9	84.0	77.2	74.0	123.5
	25000	86.5	87.4	87.3	89.4	88.5	88.0	86.2	82.7	78.8	71.9	68.6	120.3
	31500	85.0	85.7	85.1	88.2	87.3	86.7	84.6	82.6	77.7	69.8	65.2	119.9
	40000	81.4	82.5	81.3	84.4	82.9	81.9	80.6	76.9	73.8	64.6	60.0	117.0
	50000	77.1	77.6	77.0	79.9	77.5	75.4	75.4	71.4	68.8	59.2	57.1	113.0
	63000	70.0	71.1	69.7	72.9	70.0	67.3	67.9	64.1	62.1	56.8	56.3	109.0
	80000	69.8	69.7	68.5	71.6	69.6	62.0	61.3	60.3	60.9	58.0	54.8	111.8
OVERALL MEASURED													
OVERALL CALCULATED	103.7	103.9	104.4	105.0	102.7	101.5	99.6	97.1	94.1	90.8	89.1	87.8	133.8
PNDB	115.3	114.8	117.5	116.1	113.0	112.6	110.2	107.6	104.3	102.4	101.2		

Run 39/Reading 5

PAGE 9 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.6

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT WEL. NUM. BAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	10.	10.	10.	10.	10.	10.
50	39.0	44.9	52.1	53.5	53.5	53.2	53.1	53.2	52.0	51.7						
63	42.6	50.7	55.3	55.7	57.5	58.5	58.7	57.0	54.9	53.5						
SIDELINE 500. FT. (152.40 M)	60	46.3	54.1	58.5	59.3	60.5	61.8	62.5	62.6	60.7	59.6					
100	50.4	57.6	62.2	62.6	62.5	62.6	63.0	62.9	62.2	59.9						
NFA 2336. RPH ( 245. RAD/SEC)	125	45.7	53.9	59.4	60.3	61.3	60.9	59.6	57.7	56.5	55.2					
NFK 2284. RPH ( 239. RAD/SEC)	160	43.6	52.1	57.2	58.2	58.5	58.1	57.4	56.7	55.1	53.7					
200	47.1	56.0	61.3	62.4	63.2	62.9	61.9	59.8	57.6	55.5						
250	49.7	57.2	62.0	64.1	65.2	64.9	63.5	61.8	59.7	57.8						
MPD 3244. RPH ( 340. RAD/SEC)	315	46.1	54.1	59.9	61.2	61.7	61.1	60.0	58.1	56.0	53.3					
400	42.1	51.7	57.0	59.3	59.3	58.8	57.2	55.7	53.0	51.1						
AIRFLOW RATIO	500	35.5	47.5	53.3	53.2	54.5	54.6	52.9	50.2	48.4	47.1					
MF/HI 12.60	630	46.2	62.2	65.3	65.1	68.6	67.5	65.3	61.5	60.1	59.3					
800	35.8	47.9	53.5	54.8	55.2	54.6	53.2	50.4	48.6	47.0						
VEHICLE UTMSIM 1000	35.5	47.4	54.2	56.0	55.7	54.9	53.1	51.1	48.5	47.1						
CONFIG A+S 1250	40.5	54.3	61.0	62.9	62.4	60.9	59.6	58.5	55.4	52.9						
LOC SCHENECTADY 1500	39.3	52.7	60.5	61.2	61.7	60.2	58.4	55.6	53.3	51.9						
DATE 7/16/75 2000	39.1	53.9	62.3	64.3	64.5	63.9	62.0	59.1	56.3	54.2						
RUN 33/5 2500	36.5	51.5	61.4	63.8	65.5	65.4	63.9	60.9	58.7	54.3						
TAPE 3150	29.7	47.6	58.5	61.5	63.9	64.0	62.8	59.7	55.1	52.2						
FAN TIP SPEED 4000	22.1	41.4	56.1	59.8	61.9	62.7	61.2	59.1	52.7	50.0						
724. FT/SEC 5000	19.0	42.0	54.5	59.0	61.9	63.1	62.4	59.2	52.7	49.3						
6300	4.9	33.1	47.4	53.2	56.8	57.6	55.8	52.7	46.1	42.6						
8000		23.3	41.3	45.4	52.6	53.5	53.4	49.5	42.0	37.1						
10000		8.8	30.6	38.9	43.8	46.1	44.8	42.9	34.0	29.1						
OVERALL CALCULATED	57.0	67.4	73.0	74.4	75.7	75.5	74.3	72.2	69.9	68.1						
PDR	60.7	75.2	83.0	86.0	87.6	87.6	86.2	83.5	79.6	77.2						

ORIGINAL PAGE IS OF POOR QUALITY

50	48.5	54.7	61.1	62.1	61.9	61.6	61.4	61.4	60.2	59.9						
63	53.3	60.8	64.5	64.5	66.1	67.0	67.0	65.4	63.2	61.8						
SIDELINE 200. FT. ( 60.96 M)	100	57.3	64.5	68.3	68.3	69.2	70.4	71.0	71.0	69.3	68.0					
125	61.7	68.3	71.9	71.7	71.4	71.3	71.7	71.5	70.8	68.4						
160	57.2	64.9	69.3	69.6	70.3	69.7	68.3	66.4	65.2	63.9						
200	55.5	63.4	67.4	67.8	67.7	67.1	66.3	65.6	63.9	62.6						
250	59.3	67.6	71.7	72.1	72.6	72.0	71.0	68.8	66.6	64.5						
315	61.4	69.1	73.6	74.0	74.8	74.2	72.6	71.0	68.8	66.9						
400	59.1	66.4	70.9	71.4	71.4	70.6	69.3	67.4	65.2	62.6						
500	55.6	64.4	68.2	68.8	68.8	68.5	66.7	65.1	62.4	60.5						
630	49.5	60.8	64.5	63.9	64.7	64.4	62.4	59.8	57.9	56.7						
800	60.7	75.8	77.1	76.0	79.0	77.5	75.1	71.2	69.9	67.1						
1000	51.0	61.9	65.9	66.0	65.8	64.9	63.2	60.4	58.5	56.9						
1250	51.5	62.0	66.9	67.5	66.6	65.4	63.3	61.2	58.6	57.2						
1600	57.6	69.5	74.0	74.8	73.8	71.7	70.1	68.8	65.7	63.3						
2000	57.4	68.5	74.1	73.5	73.2	71.3	69.2	66.3	63.9	62.6						
2500	58.5	70.5	76.5	77.1	76.5	75.3	73.2	70.0	67.3	65.2						
3150	57.6	69.0	76.4	77.0	77.8	77.2	75.3	72.2	67.9	65.6						
4000	53.3	66.5	74.3	75.6	76.8	76.3	74.7	71.4	66.7	63.9						
5000	49.6	64.3	73.1	74.3	75.6	75.7	73.8	71.5	65.0	62.4						
6300	48.8	64.0	72.4	74.6	76.2	76.6	75.4	72.0	65.4	62.1						
8000	41.2	58.5	67.8	70.6	72.6	72.5	70.0	66.2	60.0	56.5						
10000	33.6	53.8	64.9	65.5	70.7	70.4	69.5	65.3	57.7	52.8						
OVERALL CALCULATED	22.4	46.5	59.2	62.9	65.2	65.9	63.5	61.1	52.1	47.4						
PDR	70.4	81.0	85.7	86.3	87.1	86.5	84.9	82.5	79.5	77.6						



Run 39/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 3.0

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT DEL. HUM. 54V)														
		ANGLES FROM INLET IN DEGREES (AND RADIAN)														
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.
FREQ. (0. 10. 100. 1000. 10000.)		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.
SIDELINE 500. FT.	60	40.3	46.4	54.1	58.5	55.7	54.8	55.4	55.7	56.0	53.1					
(152.46 M)	100	43.1	51.7	55.5	58.4	58.2	59.1	59.4	58.7	56.0	53.7					
NFA 2069. RPM	125	47.6	54.9	59.8	60.3	61.7	62.6	63.0	63.6	62.0	60.2					
( 279. RAD/SEC)	160	51.6	59.1	63.7	64.3	64.2	64.2	64.3	63.9	63.0	60.5					
NFA 2509. RPM	200	47.9	56.1	61.6	62.8	63.2	63.2	62.1	60.2	59.5	56.6					
( 273. RAD/SEC)	250	47.3	56.0	62.1	62.9	63.4	63.5	62.4	60.6	58.1	55.7					
NFA 3244. RPM	315	48.7	57.2	63.9	65.3	65.4	65.5	64.2	62.5	60.4	57.4					
( 340. RAD/SEC)	400	45.6	54.1	60.2	61.7	62.6	61.7	60.7	58.6	56.5	53.2					
AIRFLOW RATIO	500	43.1	52.4	57.7	58.8	59.2	59.2	57.8	56.9	54.8	51.5					
WF/WP 12.60	630	36.8	46.3	52.8	53.2	53.4	53.6	53.0	51.7	50.3	47.7					
	800	48.4	57.0	61.5	65.3	63.6	64.1	62.5	61.0	58.9	56.4					
VEHICLE LT-SIM	1000	49.5	58.6	63.4	67.6	66.4	66.2	64.9	62.9	60.9	58.4					
CORFIC A*3	1250	35.5	47.7	55.0	56.3	56.1	56.0	54.3	52.6	50.0	48.0					
LOC SCHENECTADY	1600	39.4	51.6	60.2	60.7	60.9	60.5	58.4	56.2	53.9	52.0					
DATE 7/16/75	2000	40.1	53.7	62.0	63.0	63.6	63.3	60.9	59.1	57.1	54.6					
FUL. 39/E	2500	39.6	54.1	62.3	64.3	65.4	64.0	62.8	60.3	57.6	55.1					
TAPE	3150	37.0	52.5	61.2	63.5	65.1	65.8	63.7	61.2	58.0	54.4					
FAN TIP SPEED	4000	31.7	49.4	59.9	63.4	65.1	65.8	64.6	61.9	58.6	54.3					
827. FT/SEC	5000	23.8	44.2	57.4	60.3	63.6	64.3	62.7	61.4	59.7	52.2					
	6300	21.3	43.8	56.4	61.5	64.6	65.7	65.4	64.0	58.0	52.7					
	8000	6.6	34.9	49.2	55.3	58.0	60.5	59.1	57.7	51.7	46.0					
	10000		24.6	42.6	49.7	54.0	56.0	55.5	53.6	47.3	41.3					
OVERALL CALCULATED			9.6	31.5	43.3	45.4	48.1	47.9	47.5	39.4	32.9					
PNEP		58.6	67.5	73.8	75.8	76.4	76.6	75.5	74.0	71.7	68.8					
		62.8	75.7	84.2	87.1	88.5	89.1	87.8	86.1	82.3	78.8					

	50	50.7	56.2	63.1	64.1	64.1	63.1	63.6	63.9	65.0	61.3				
	63	53.8	61.8	64.7	65.2	66.7	67.6	67.8	66.6	64.9	62.0				
SIDELINE 200. FT.	80	58.6	65.3	69.3	69.3	70.4	71.2	71.5	72.0	71.1	68.6				
( 60.96 M)	100	62.9	69.8	73.4	73.5	73.1	72.9	72.9	72.5	71.5	69.1				
	125	59.5	67.1	71.5	72.1	72.2	72.1	70.9	68.9	68.2	65.3				
	160	57.3	65.1	69.6	69.8	69.1	69.2	66.8	67.6	66.2	63.9				
	200	59.6	67.6	72.5	72.6	72.0	72.6	71.5	69.5	67.1	64.6				
	250	61.4	69.1	74.6	75.3	74.9	74.8	73.4	72.0	69.5	66.5				
	315	58.6	66.4	71.1	71.9	72.3	71.2	70.1	67.9	65.7	62.5				
	400	56.6	65.1	69.0	69.3	69.2	68.8	67.3	66.3	64.2	60.9				
	500	50.8	59.3	64.3	63.9	63.8	63.5	62.7	61.3	59.9	57.3				
	630	62.9	70.5	73.4	76.2	74.2	74.1	72.4	70.7	68.6	66.2				
	800	64.7	72.6	75.6	78.8	77.0	76.4	75.0	72.9	70.8	68.3				
	1000	51.5	62.2	67.6	67.8	67.0	66.5	64.6	62.7	60.1	58.1				
	1250	56.6	66.7	73.3	72.5	72.0	71.3	68.9	66.6	64.2	62.9				
	1600	58.1	69.5	75.6	75.3	75.1	74.3	71.7	69.6	67.7	65.2				
	2000	59.9	70.8	76.8	77.1	77.4	76.2	73.9	71.3	68.9	66.1				
	2500	58.1	70.0	75.9	76.7	77.4	77.5	75.1	72.4	69.2	65.7				
	3150	55.3	68.2	75.5	77.3	76.0	78.1	76.5	73.6	70.2	66.0				
	4000	51.3	65.0	74.4	75.3	77.6	77.3	75.4	73.7	68.1	64.6				
	5000	51.0	65.8	74.2	77.1	79.1	79.2	78.5	76.8	70.7	65.6				
	6300	43.0	60.3	69.4	72.7	74.6	75.4	73.4	71.7	65.5	59.9				
	8000	35.0	55.1	66.2	69.8	72.1	72.8	71.6	69.4	63.0	57.0				
	10000	22.7	47.3	60.0	64.3	66.7	67.8	66.2	65.7	57.5	51.1				
OVERALL CALCULATED		72.1	81.1	86.4	87.7	88.0	87.9	86.4	84.6	81.6	78.6				
PNEP		81.2	92.6	99.1	100.6	101.2	101.2	99.9	98.1	93.8	90.0				





Run 39/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DATA)																
ANGLE'S FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	50.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	10.	10.	10.	10.	10.	10.
50	40.0	46.9	53.9	55.7	55.7	55.1	55.9	55.7	54.3	53.8						
63	44.1	51.7	56.3	57.2	59.2	59.6	60.1	59.7	56.6	54.0						
SIDELINE 500. FT. (152.40 M)	80	48.3	55.9	60.4	61.8	62.4	63.4	64.2	64.6	63.1	60.9					
NFA 3001. RPM ( 314. RAD/SEC)	125	45.9	56.9	62.9	64.0	64.7	64.2	63.6	62.2	60.8	58.8					
NFA 2934. RPM ( 307. RAD/SEC)	200	46.4	55.1	60.4	61.2	61.4	61.9	61.5	60.2	59.1	56.6					
NFB 3244. RPM ( 340. RAD/SEC)	250	47.7	56.2	62.5	63.8	64.5	65.3	64.0	62.3	60.4	57.9					
AIRFLOW RATIO W/FAN 12.60	315	45.3	53.1	59.2	61.2	62.1	61.5	60.5	59.4	57.7	54.5					
VEHICLE UTMSIP	400	41.8	52.7	58.2	57.6	56.3	59.4	58.2	57.7	55.7	52.5					
CONFIG A*3	500	38.3	47.3	54.3	54.5	54.7	55.4	55.3	53.2	52.3	49.2					
LDC SCHEMECTADY	630	34.1	45.7	53.2	54.1	54.5	55.1	54.3	52.0	50.4	48.2					
DATE 7/16/75	800	38.3	51.1	56.1	57.6	57.9	58.2	57.9	55.7	53.3	51.9					
RJL 3977	1000	39.8	67.2	69.3	71.6	70.3	72.3	70.4	70.0	67.3	65.0					
TAPE 3150	1250	36.8	51.5	56.8	58.5	58.7	58.8	56.9	56.5	53.7	51.4					
FAN TIP SPEED	1600	35.3	48.3	56.3	57.7	59.0	58.7	56.6	55.3	52.4	50.1					
930. FT/SEC	2000	42.6	56.5	64.0	66.7	67.7	67.7	65.1	63.6	60.6	58.1					
	2500	33.9	51.3	59.1	60.6	61.1	61.5	60.6	58.8	56.1	52.9					
	3150	34.0	52.8	61.9	64.9	65.9	66.2	65.1	63.7	60.3	56.7					
	4000	25.7	47.6	58.2	63.1	65.8	66.8	65.0	64.5	63.5	56.4					
	5000	20.4	43.3	56.6	60.6	64.4	64.8	64.0	63.0	58.6	55.0					
	6300	11.2	40.0	53.5	59.5	63.5	65.0	65.1	64.6	59.5	54.7					
	8000	27.8	45.3	52.7	56.9	59.4	58.7	56.3	54.2	48.0						
	10000		14.3	36.1	45.6	50.7	53.2	53.3	53.4	49.5	42.9					
OVERALL CALCULATED		58.5	70.1	74.8	76.6	77.3	77.9	76.9	76.2	73.5	70.8					
PNCB		62.7	78.1	85.1	87.8	89.1	89.8	88.9	87.7	84.2	80.7					

ORIGINAL PAGE IS OF POOR QUALITY

50	50.5	56.7	62.9	64.3	64.1	63.4	64.1	63.9	62.5	62.1						
63	54.8	61.8	65.2	66.0	67.7	68.1	68.3	67.6	64.9	63.2						
SIDELINE 200. FT. ( 60.96 M)	80	59.3	66.3	70.1	70.8	71.1	72.0	72.7	73.0	71.6	69.4					
	100	63.9	71.1	74.2	74.0	73.6	73.6	73.4	73.2	72.0	70.1					
	125	60.5	67.9	72.8	73.4	74.0	73.1	72.4	70.9	69.5	67.5					
	160	58.3	66.4	70.6	70.8	70.6	71.0	70.5	69.1	67.9	65.4					
	200	59.1	67.1	71.7	72.4	72.5	72.1	70.7	69.3	68.6	64.6					
	250	60.4	68.1	73.3	73.8	74.2	74.3	73.2	71.5	69.5	67.0					
	315	58.3	65.4	70.1	71.4	71.8	70.9	69.4	68.6	65.9	63.7					
	400	55.3	65.4	69.5	69.0	68.4	69.1	68.0	67.1	65.4	61.9					
	500	50.3	60.1	65.5	65.1	64.8	65.2	64.9	62.8	61.9	58.8					
	630	48.7	59.3	65.1	65.0	64.9	65.1	63.8	61.7	60.1	57.9					
	800	53.5	65.1	68.4	68.8	68.3	68.5	68.0	65.6	63.7	61.8					
	1000	65.8	61.7	62.4	63.1	61.3	62.8	61.1	61.0	77.9	75.2					
	1250	53.6	66.8	69.5	70.3	69.8	69.5	67.4	66.8	64.0	61.7					
	1600	53.3	64.2	70.4	70.0	70.5	69.8	67.4	65.6	63.0	60.7					
	2000	62.0	73.2	78.3	79.5	79.6	79.1	76.2	74.6	71.5	69.0					
	2500	54.9	68.5	73.9	73.8	73.4	73.2	72.0	70.1	67.3	64.1					
	3150	57.6	71.6	77.5	78.8	78.8	78.4	77.0	74.0	71.6	68.4					
	4000	53.2	68.4	75.9	75.1	74.5	74.5	73.5	71.9	72.3	68.6					
	5000	50.3	65.3	74.4	76.2	78.7	78.3	77.1	76.7	71.3	67.8					
	6300	47.5	65.3	73.5	76.9	79.3	79.8	79.4	78.5	73.4	68.7					
	8000	38.3	58.3	69.0	72.8	78.0	78.2	74.3	74.0	69.9	63.7					
	10000	27.5	52.0	64.7	69.5	72.6	72.9	72.1	71.7	67.6	61.1					
OVERALL CALCULATED		72.0	84.3	87.7	88.7	89.1	89.3	88.1	87.2	83.9	80.9					
PNCB		81.7	94.4	100.2	101.4	102.2	102.3	101.0	99.7	96.0	92.5					

Run 39/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 3.6																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., 24.1)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0. )		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
RADIAL 17. FT.	50																	
	63																	
	80																	
( 5. M)	100	71.3	71.3	70.6	69.5	66.8	67.5	71.3	72.3	73.9	74.4	74.1						105.5
VEHICLE UTHSIM	125	79.8	79.8	78.5	77.4	75.8	75.5	74.5	74.3	75.4	74.4	73.8						108.8
CONFIG A+3	160	79.1	77.5	76.3	79.1	78.1	76.8	75.3	75.0	74.4	73.4	73.6						109.8
LCC SCHEMECTADY	200	80.1	82.5	82.3	81.2	80.6	80.5	80.0	79.5	78.2	75.6	74.0						112.6
DATE 7/16/75	250	88.5	87.5	87.3	87.4	85.3	84.5	84.0	84.3	83.4	82.1	80.0						117.5
RUN 39/8	315	91.8	92.5	91.8	91.4	88.3	86.5	85.5	84.5	83.9	82.8	81.3						119.9
TARE	400	89.3	90.0	89.0	89.9	88.3	87.3	85.5	84.1	82.7	80.9	77.8						118.9
BAR 30.0 HG	500	88.3	88.0	88.1	88.4	85.8	84.3	83.5	82.6	81.2	79.6	77.5						117.7
(01212. N/H2)	630	88.8	89.0	88.5	89.2	85.8	84.1	83.2	82.1	80.2	78.9	77.1						118.5
TAMP 83. DEG F	800	89.8	89.3	88.8	89.5	87.3	86.5	85.5	83.3	82.0	79.8	76.8						116.3
(301. DEG K)	1000	88.3	87.5	85.6	86.5	85.8	84.8	84.0	81.4	79.7	77.6	75.0						114.8
TMET 76. DEG F	1250	82.4	85.1	85.6	85.2	82.6	82.3	81.7	80.4	79.0	76.9	73.6						112.4
(298. DEG K)	1500	82.1	82.1	83.3	83.5	80.1	80.3	80.7	77.1	75.5	74.7	72.0						112.0
NACT20.16 GR/H3	2000	81.5	82.8	82.3	83.2	80.4	79.3	81.7	75.9	73.5	71.5	68.8						115.8
(002016 KG/H3)	2500	89.1	88.3	89.3	87.2	84.4	82.0	81.7	79.4	77.1	75.0	72.8						130.5
NFA 11267. RPM	3150	106.3	102.6	104.0	101.7	103.3	96.5	95.4	94.4	90.1	89.8	85.2						122.3
(1180. RAD/SEC)	4000	97.0	94.5	95.2	93.9	92.2	88.4	87.1	85.6	82.0	81.5	77.4						116.4
NFK 11015. RPM	5000	88.5	88.7	88.1	88.5	84.9	83.8	82.7	79.5	77.2	74.7	72.5						126.7
(11153. RAD/SEC)	6300	96.1	97.7	99.2	98.7	96.6	93.3	91.9	89.2	87.5	84.8	81.7						121.0
NFD 11517. RPM	8000	90.7	92.8	93.4	93.6	91.4	88.1	86.9	84.3	82.6	79.7	76.2						127.0
(11206. RAD/SEC)	10000	95.6	96.4	98.0	98.5	96.0	94.8	93.3	91.0	88.3	84.9	81.3						120.2
NO. OF BLADES 18	12500	94.3	95.9	95.1	96.5	94.8	94.6	93.0	90.5	88.9	85.3	81.3						126.1
FAN TIP SPEED	16000	93.7	93.7	93.7	96.7	93.7	93.9	93.2	90.5	89.4	85.5	80.9						127.5
984. FT/SEC	20000	94.3	94.9	94.8	96.3	95.4	94.8	93.9	92.2	91.2	87.4	82.9						125.2
	25000	92.0	91.9	91.8	93.4	92.8	92.4	91.1	88.7	87.8	84.4	78.5						124.3
	31500	89.0	89.7	89.1	91.9	91.1	90.3	89.0	87.3	85.9	82.3	76.1						121.3
	40000	84.7	85.2	84.8	87.9	86.6	85.3	84.7	83.2	82.6	77.8	71.4						118.2
	50000	79.6	80.6	80.0	83.4	80.8	79.8	80.5	77.9	78.1	71.2	66.2						112.9
	63000	71.5	71.9	71.7	75.6	72.8	71.7	73.0	70.9	69.1	62.3	60.2						114.1
	80000	69.8	69.7	68.5	71.6	69.6	69.9	70.6	70.1	61.4	58.0	60.5						137.2
OVERALL MEASURED																		
OVERALL CALCULATED		108.8	107.3	108.1	107.8	106.0	104.2	103.1	101.1	99.2	96.7	92.9						
PAGE		123.2	121.0	121.9	120.5	118.8	115.8	114.8	113.3	110.1	109.1	105.4						

Run 39/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 25 HR. 3.6

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50	40.0	46.9	53.6	55.2	55.7	55.3	55.9	55.7	54.8	54.8								
	63	44.4	51.9	56.0	57.4	59.2	59.9	60.2	59.3	56.8	55.2								
SIDELINE 500. FT.	80	48.6	56.4	61.1	61.8	62.9	63.6	64.5	64.3	63.1	60.9								
(152.40 M)	100	52.9	59.6	64.7	64.6	64.7	64.9	64.8	64.6	63.7	62.0								
NFA 3174. RPM	125	49.7	57.1	62.9	64.3	65.2	64.7	64.1	63.2	61.5	58.3								
( 332. RAD/SEC)	160	46.9	55.6	60.9	61.4	61.9	62.4	62.4	61.5	60.1	57.8								
NFK 3103. RPM	200	47.1	55.5	61.3	62.1	63.4	63.0	61.7	60.3	59.1	57.2								
( 325. RAD/SEC)	250	46.5	55.2	61.4	62.8	63.6	64.0	62.7	61.8	59.7	56.7								
NFS 3244. RPM	315	43.8	51.3	57.9	60.4	61.6	62.2	61.0	59.4	57.5	54.7								
( 340. RAD/SEC)	400	40.3	50.7	56.0	56.8	59.2	59.7	59.3	58.4	56.5	53.0								
AIRFLOW RATIO	500	36.3	47.8	53.8	54.0	56.4	58.4	55.8	54.7	54.1	51.2								
WF/W 12.60	630	35.9	46.0	53.0	53.8	55.1	59.1	54.2	52.5	50.8	47.7								
	800	40.0	52.1	56.4	57.3	57.4	58.7	57.4	55.7	53.8	51.4								
VEHICLE JMSIM	1000	52.8	66.0	70.3	72.8	71.5	72.1	72.1	66.4	68.3	63.5								
CONFIG A+3	1250	43.0	56.1	61.8	64.2	62.9	63.3	62.9	60.0	59.7	55.4								
LOC SCHENECTADY	1600	35.0	47.8	55.5	56.2	57.7	58.5	56.4	54.7	52.4	50.1								
DATE 7/16/75	2000	41.6	57.5	64.8	67.2	66.4	67.2	65.6	64.6	62.1	58.8								
RUN 39/8	2500	34.1	50.5	58.8	61.4	61.3	61.7	60.8	59.3	56.6	52.9								
TAPE	3150	33.5	53.0	62.4	64.9	66.9	67.4	66.4	64.4	61.2	57.4								
FAN TIP SPEED	4000	26.7	47.0	56.6	62.1	65.3	66.0	64.9	64.0	60.7	56.4								
964. FT/SEC	5000	21.1	44.0	57.5	60.3	64.2	65.8	64.5	64.2	60.6	55.8								
	6000	11.7	39.9	53.7	59.5	63.0	64.7	64.6	64.5	61.0	56.2								
	8000	25.0	45.6	52.9	57.4	59.1	58.7	58.7	55.7	49.5									
	10000	15.3	36.8	45.7	50.9	53.2	53.8	53.6	50.4	43.8									
OVERALL CALCULATED		59.2	65.6	75.1	77.1	77.4	78.0	77.5	75.9	74.2	70.8								
PNLP		63.9	77.6	85.4	87.9	89.5	90.3	89.3	87.8	85.2	81.3								

	50	50.5	56.7	62.6	63.8	64.1	63.6	64.1	63.9	63.0	63.1							
	63	55.0	62.0	65.2	66.2	67.7	68.3	68.6	67.6	65.2	63.5							
SIDELINE 200. FT.	80	59.6	66.8	70.6	70.8	71.6	72.2	73.0	72.8	71.6	69.4							
( 60.96 M)	100	64.2	70.3	74.4	73.7	73.6	73.6	73.4	73.2	72.3	70.6							
	125	61.2	68.1	72.8	73.6	74.2	73.6	72.9	71.9	70.2	67.0							
	160	58.8	66.9	71.1	71.0	71.1	71.5	71.3	70.3	68.9	66.7							
	200	59.3	67.1	71.7	71.9	72.8	72.1	70.7	69.3	68.1	66.1							
	250	59.1	67.1	72.1	72.8	73.2	73.3	71.9	71.0	68.8	65.6							
	315	56.8	63.6	68.9	70.6	71.3	71.7	70.3	68.6	66.7	64.0							
	400	53.8	63.4	67.2	67.3	69.2	69.3	68.8	67.8	65.9	62.4							
	500	50.3	60.8	65.3	64.6	66.6	68.2	65.4	64.3	63.6	60.8							
	630	50.4	59.5	64.9	64.7	65.4	69.1	64.1	62.2	60.3	57.4							
	800	55.2	66.1	68.6	68.5	68.0	69.0	67.5	65.6	63.7	61.3							
	1000	68.9	80.5	82.9	84.3	82.3	82.6	82.4	78.5	78.4	73.7							
	1250	59.9	71.3	74.8	76.1	74.1	74.1	73.4	70.3	70.0	65.7							
	1600	53.1	63.7	69.2	68.5	69.3	69.6	67.2	65.4	63.0	60.7							
	2000	61.0	74.2	79.0	80.0	78.4	78.6	76.7	75.6	73.0	69.8							
	2500	55.2	68.0	73.6	74.6	73.6	73.5	72.2	70.6	67.8	64.1							
	3150	57.1	71.9	78.1	78.8	79.8	79.7	78.3	76.1	72.9	69.1							
	4000	54.2	67.9	75.6	77.1	79.1	79.1	77.5	76.4	73.0	68.8							
	5000	50.8	66.0	75.4	75.9	78.5	79.3	77.6	77.0	73.3	68.6							
	6300	48.1	65.3	73.9	76.9	78.8	79.5	78.9	78.5	74.9	70.2							
	8000	39.3	59.5	69.2	73.0	75.5	76.0	74.9	74.5	71.3	65.2							
	10000	28.2	53.0	65.4	69.7	72.2	72.9	72.5	71.9	68.5	62.1							
OVERALL CALCULATED		73.1	83.8	88.1	89.2	89.2	89.5	88.5	87.0	84.8	81.1							
PNP		81.7	94.5	100.5	101.5	102.3	102.5	101.2	99.7	96.8	92.9							

## Run 39/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.6																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DRY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 10. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. 0. 0. 0. 0. 0. 0. 0.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	(0. 0. 0. 0. 0. 0. 0.)	
50																			
63																			
80																			
RADIAL 17. FT.	( 5. M)	100	71.1	70.8	69.5	69.1	69.1	67.0	70.0	71.8	73.2	73.6	73.6						104.9
VEHICLE	UTHSIM	125	79.1	79.0	77.8	76.9	75.3	75.0	73.5	73.0	74.9	74.1	74.1						108.3
CONFIG	A+3	160	78.3	77.3	76.5	74.4	78.3	76.5	74.5	75.0	74.7	73.1	73.6						108.8
LJC	SCHENECTAFY	230	60.1	82.6	82.8	82.4	80.1	80.5	79.5	80.0	78.4	76.3	73.5						112.7
DATE	7/16/75	250	87.5	87.5	86.8	86.4	84.8	83.8	83.2	83.3	82.9	81.6	79.8						116.8
RUN	39/9	315	91.8	92.0	90.8	91.1	87.8	85.3	85.0	84.0	83.7	82.6	80.8						119.5
TAFE		400	69.1	69.3	68.8	69.6	68.6	67.3	66.3	64.1	62.2	60.9	58.3						116.9
SAP	30.0 MG	500	87.6	87.5	87.6	88.1	85.3	84.0	83.3	82.1	80.4	78.9	76.8						116.7
	(0.1212. 1/M2)	630	87.6	87.8	87.8	88.2	85.3	85.0	83.3	81.6	79.7	78.1	76.6						117.0
TAMB	83. DEG F	800	88.6	88.0	88.8	88.4	86.8	85.3	84.7	82.8	81.2	78.9	76.0						117.4
	(301. DEG K)	1000	87.8	87.0	84.1	84.9	84.6	84.0	83.2	80.6	79.2	77.4	75.0						115.3
T-ET	76. DEG F	1250	79.6	83.6	85.6	83.9	81.9	81.8	81.0	79.6	78.0	76.4	73.1						113.8
	(298. DEG K)	1600	61.6	62.3	63.3	63.5	60.9	60.3	79.0	77.1	75.5	73.7	71.8						112.2
FACT20.16	GM/M3	2000	82.1	83.3	83.1	83.2	80.1	79.3	78.2	75.6	73.8	72.3	69.3						111.5
	(.02016 KG/M3)	2500	87.1	87.3	88.5	87.7	84.1	81.7	80.2	78.1	76.8	73.5	72.0						115.3
NFA	11654. RPM	3150	102.8	98.3	101.0	98.7	98.1	95.0	95.2	92.1	89.6	88.0	83.5						120.1
	(1220. RAD/SEC)	4000	100.5	96.0	99.2	97.1	96.0	92.9	93.3	90.3	87.5	84.0	81.4						126.2
NFK	11393. RPM	5000	87.5	87.2	87.6	88.1	84.7	82.8	81.7	79.2	77.0	74.2	71.8						115.7
	(1193. RAD/SEC)	6300	92.1	95.5	95.7	96.5	92.4	91.3	88.9	87.4	84.8	82.0	79.5						123.0
NFD	11517. RPM	8000	91.7	94.1	94.4	94.9	91.7	89.7	87.4	85.8	84.1	80.7	78.2						122.6
	(1206. RAD/SEC)	10000	95.8	96.4	97.0	97.3	95.5	94.1	92.6	90.3	88.6	85.1	81.8						126.3
NO. OF BLADES	18	12500	94.3	94.4	94.1	95.8	94.3	93.1	92.0	89.5	88.1	84.3	81.0						125.2
FAN TIP SPEED	16000	94.2	93.9	93.4	96.2	94.2	93.7	92.7	90.8	89.6	85.0	81.2							125.9
	1017. FT/SEC	20000	94.0	93.9	94.8	96.3	95.1	94.6	93.4	92.2	91.2	87.2	83.1						127.3
	25000	91.2	92.2	91.3	93.6	92.5	91.7	90.8	88.2	87.8	84.1	78.7							125.0
	31500	89.2	89.4	89.4	91.7	90.6	89.6	88.5	86.6	85.2	81.3	76.1							123.8
	40000	84.7	85.5	84.5	87.9	86.9	85.1	84.2	82.2	82.3	76.8	71.7							121.1
	50000	79.6	80.3	79.7	82.9	81.0	79.3	80.3	77.4	77.1	71.2	67.0							117.8
	63000	71.5	72.1	71.7	75.1	72.5	71.2	72.3	70.6	68.4	62.6	60.4							112.5
	80000	69.8	69.7	68.5	71.8	69.6	69.9	70.6	70.1	60.9	58.0	60.5							114.1
OVERALL MEASURED																			
OVERALL CALCULATED		107.4	105.9	106.9	106.9	105.3	103.7	102.8	100.7	99.1	95.8	92.8							126.8
PNDB		120.9	118.4	120.1	118.9	117.4	115.0	114.6	112.1	110.0	107.1	104.6							

Run 39/Reading 9

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PNDC, DATE - MONTH 7 DAY 25 HR. 3.0

FREQ. ID.	FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. F= 70 PERCENT WEL. NUM. LAY)																							
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																							
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.		
50	39.5	46.7	52.9	55.5	55.4	54.6	55.6	55.8	54.5	54.8														
63	44.8	52.2	58.5	55.9	58.2	58.4	60.7	59.5	57.8	54.7														
SIDELINE 500. FT. (152.40 M)	48.6	55.9	60.1	61.3	62.2	62.6	63.7	63.8	62.8	60.7														
NFX 3263. RPM (34. RAD/SEC)	52.2	59.4	64.5	64.2	64.4	64.4	64.3	64.4	63.5	61.5														
NFX 3219. RPM (33.6 RAD/SEC)	48.2	55.1	61.7	60.9	61.6	62.2	61.0	60.7	59.3	57.1														
NFX 3241. RPM (34.0 RAD/SEC)	45.2	53.2	59.1	51.8	62.4	62.7	61.8	59.8	58.4	55.9														
ATPFLR RATIO WF/H 12.60	38.8	50.7	54.7	58.1	58.2	58.6	58.5	57.4	56.0	50.5														
VEHICLE UTASIM CONFIG A-3	39.0	51.4	55.9	57.1	57.1	57.2	56.2	55.2	53.3	50.6														
LOC SCHEMECTARY	42.5	60.1	65.3	63.0	67.4	69.6	67.9	65.5	62.2	59.4														
DATE 7716/75	33.5	47.3	55.3	55.9	56.7	57.5	56.1	54.8	51.9	49.3														
RUN 39/9	39.4	54.0	62.5	62.9	64.7	64.2	63.9	61.9	59.3	56.8														
TAPE	35.4	51.5	61.1	61.6	62.6	62.7	61.6	60.4	57.8	54.9														
FAN TIP SPEED 1317. FT/SEC	25.2	46.0	57.6	61.6	63.8	65.0	63.9	63.3	61.5	58.2														
6330	21.3	43.8	57.0	60.8	63.9	65.3	64.6	64.4	60.1	56.8														
8000	18.7	39.9	53.7	59.2	63.0	64.2	64.6	64.8	60.8	56.5														
10000			28.5	45.8	57.7	60.6	64.8	68.2	68.7	65.4														
OVERALL CALCULATED			15.5	36.5	45.2	50.1	52.7	53.0	52.0	49.4														
PNDR	58.1	68.4	74.1	76.2	76.9	77.9	76.9	75.8	73.3	70.3														
PNDR	61.7	76.1	84.6	87.3	89.0	89.7	88.8	87.9	84.9	81.3														

ORIGINAL PAGE IS  
OF BLACK PLASTIC

50	50.2	56.5	61.9	64.1	63.8	62.9	64.1	64.2	62.7	63.1
63	55.3	62.5	65.7	65.7	67.7	67.8	69.1	67.9	65.9	63.0
SIDELINE 200. FT. (60.96 M)	59.6	66.3	69.6	70.3	70.9	71.5	72.2	72.3	71.1	69.1
100	63.7	70.1	74.2	73.2	73.3	73.1	72.9	73.0	72.0	70.1
125	60.5	67.9	72.5	73.9	74.2	74.3	72.9	71.4	70.2	67.5
160	58.3	66.4	70.9	70.5	70.9	71.2	70.8	69.8	68.2	65.9
200	58.1	66.4	70.7	71.4	72.3	71.1	70.2	68.8	67.3	65.9
250	57.9	65.1	70.8	71.8	71.9	72.5	71.4	70.2	68.0	65.0
315	56.3	62.1	67.1	69.4	70.6	70.9	69.1	68.1	65.4	64.0
400	52.3	63.4	66.0	66.5	66.2	68.6	68.0	66.6	65.4	61.9
500	50.5	60.8	65.3	65.4	66.6	66.3	65.4	64.3	62.6	60.5
630	50.9	60.3	64.9	64.5	65.4	65.8	63.8	62.4	61.1	57.9
800	54.2	65.4	69.1	68.3	67.0	67.5	66.2	65.4	62.2	60.6
1000	64.5	77.5	79.9	82.1	80.8	82.3	80.1	78.0	74.6	71.9
1250	61.4	75.3	78.1	79.8	78.6	80.3	78.2	75.8	72.5	69.7
1600	51.6	63.2	66.7	66.3	68.3	68.6	66.9	65.1	62.5	60.0
2000	58.8	70.7	76.8	75.7	76.8	75.6	75.0	72.8	70.3	67.5
2500	56.4	69.0	74.9	74.8	74.9	74.0	73.2	72.1	68.8	66.1
3150	57.1	70.9	76.4	78.3	79.0	78.0	77.5	76.4	71.1	69.6
4000	52.7	66.4	74.5	76.6	77.0	76.1	76.3	75.7	72.9	68.6
5000	51.1	65.7	74.9	76.4	78.2	78.8	77.8	77.2	74.9	68.4
6300	47.1	65.3	73.9	76.6	78.0	79.0	78.9	78.5	74.6	70.4
8000	39.2	59.9	60.5	72.6	74.7	75.7	74.3	74.5	71.1	65.5
10000	27.9	53.2	65.1	69.2	71.4	72.4	71.8	71.1	67.5	62.1
OVERALL CALCULATED			82.6	87.1	91.4	88.7	89.3	88.3	85.9	82.9
PNDR	65.0	83.8	99.7	101.0	101.5	101.9	100.7	99.8	96.5	93.1

Run 39/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM											PROC. DATE = MONTH 7 DAY 25 HR. 3.0																																																																																																																																																																																																																																																																																																																																																																																										
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)											ANGLES FROM INLET IN DEGREES (AND RADIAN)																																																																																																																																																																																																																																																																																																																																																																																										
											0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. PNL																																																																																																																																																																																																																																																																																																																																																																																										
FREQ. (0. 10. 17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. 10. 10. 10. 10. 10. 1																																																																																																																																																																																																																																																																																																																																																																																																					
50																																																																																																																																																																																																																																																																																																																																																																																																					
63																																																																																																																																																																																																																																																																																																																																																																																																					
RADIAL 17. FT.																																																																																																																																																																																																																																																																																																																																																																																																					
1 5. MI																																																																																																																																																																																																																																																																																																																																																																																																					
VEHICLE UTHSIM																																																																																																																																																																																																																																																																																																																																																																																																					
CONFIG A+3																																																																																																																																																																																																																																																																																																																																																																																																					
LOC SCHEMECTARY																																																																																																																																																																																																																																																																																																																																																																																																					
DATE 7/16/75																																																																																																																																																																																																																																																																																																																																																																																																					
RUL 39/10																																																																																																																																																																																																																																																																																																																																																																																																					
TAPE																																																																																																																																																																																																																																																																																																																																																																																																					
SAP 30.0 HG																																																																																																																																																																																																																																																																																																																																																																																																					
(01212. 1/M2)																																																																																																																																																																																																																																																																																																																																																																																																					
TAP 02. DEG F																																																																																																																																																																																																																																																																																																																																																																																																					
(301. DEG K)																																																																																																																																																																																																																																																																																																																																																																																																					
TAP 70. DEG F																																																																																																																																																																																																																																																																																																																																																																																																					
(290. DEG K)																																																																																																																																																																																																																																																																																																																																																																																																					
MACI 20.47 GH/M3																																																																																																																																																																																																																																																																																																																																																																																																					
(02747 KG/M3)																																																																																																																																																																																																																																																																																																																																																																																																					
NFA 11748. RPM																																																																																																																																																																																																																																																																																																																																																																																																					
(1232. RAD/SEC)																																																																																																																																																																																																																																																																																																																																																																																																					
NFA 11515. RPM																																																																																																																																																																																																																																																																																																																																																																																																					
(1206. RAD/SEC)																																																																																																																																																																																																																																																																																																																																																																																																					
NFA 11517. RPM																																																																																																																																																																																																																																																																																																																																																																																																					
(1200. RAD/SEC)																																																																																																																																																																																																																																																																																																																																																																																																					
NO. OF BLADES 1A 12500																																																																																																																																																																																																																																																																																																																																																																																																					
FAN TIP SPEED 16000																																																																																																																																																																																																																																																																																																																																																																																																					
1027. FT/SEC																																																																																																																																																																																																																																																																																																																																																																																																					
25000																																																																																																																																																																																																																																																																																																																																																																																																					
31500																																																																																																																																																																																																																																																																																																																																																																																																					
40000																																																																																																																																																																																																																																																																																																																																																																																																					
50000																																																																																																																																																																																																																																																																																																																																																																																																					
63000																																																																																																																																																																																																																																																																																																																																																																																																					
80000																																																																																																																																																																																																																																																																																																																																																																																																					
OVERALL MEASURED																																																																																																																																																																																																																																																																																																																																																																																																					
OVERALL CALCULATED																																																																																																																																																																																																																																																																																																																																																																																																					
PNDB																																																																																																																																																																																																																																																																																																																																																																																																					
100	70.6	70.3	69.3	68.9	66.3	67.0	69.3	70.8	72.2	72.9	73.1	104.1	125	78.6	79.0	77.3	76.4	75.6	74.3	73.0	73.3	74.7	74.6	73.6	108.0	150	78.3	76.5	75.8	78.1	77.1	75.5	74.0	74.0	73.9	72.6	73.3	108.1	200	80.3	83.3	83.5	82.6	80.6	81.0	79.8	80.0	78.4	76.3	73.5	113.0	230	87.8	86.5	86.3	86.4	84.3	83.5	83.2	83.0	82.9	81.6	79.0	116.6	315	91.3	91.8	90.5	90.4	88.1	85.5	84.5	84.0	83.7	82.3	80.0	119.2	450	88.8	89.8	83.5	89.9	88.1	87.3	86.3	84.1	82.2	80.9	78.0	118.9	530	87.6	87.5	87.6	85.4	85.6	83.8	82.5	81.8	80.2	78.9	77.0	116.0	630	87.3	87.5	87.3	87.9	86.3	85.3	83.3	81.3	79.7	79.4	78.3	116.9	800	88.1	87.5	87.1	88.1	86.8	85.0	84.2	82.6	80.5	78.9	76.3	117.2	1050	87.6	86.3	83.3	84.4	84.3	84.0	83.0	80.8	79.0	78.1	74.8	115.1	1250	78.1	83.6	84.8	87.4	81.6	80.8	81.0	79.6	77.7	76.2	72.8	113.4	1650	51.4	82.1	82.8	83.2	80.1	79.5	78.0	76.6	74.8	73.0	70.8	111.6	2000	82.1	83.3	83.1	83.0	80.1	78.8	77.0	75.4	73.0	70.8	68.6	111.1	2500	86.9	86.8	88.0	86.7	83.6	81.2	80.7	77.9	76.6	73.8	71.0	114.8	3150	100.6	97.5	99.3	97.9	97.1	94.0	92.2	89.9	87.6	85.0	84.0	120.8	4000	100.8	98.0	98.9	97.9	97.0	94.1	92.1	90.3	87.0	85.2	83.9	126.7	5000	87.2	87.4	87.9	87.8	83.9	82.0	81.0	78.5	76.7	73.5	71.8	115.4	6300	91.2	93.7	94.4	94.7	92.1	89.5	88.2	85.7	84.0	81.0	79.0	122.0	8000	92.4	94.3	94.7	95.1	92.4	90.7	88.4	86.8	84.6	81.4	78.7	123.2	10000	95.6	96.6	96.3	97.0	95.0	93.6	92.8	89.3	88.3	84.6	81.8	125.0	12500	94.0	94.4	93.9	95.3	93.5	92.6	91.8	89.5	88.1	84.3	80.8	124.8	16000	94.4	94.1	93.7	96.4	93.6	93.7	92.7	90.7	89.8	86.0	81.7	126.0	20000	93.7	94.6	94.7	96.0	95.1	95.1	93.4	91.9	91.2	87.1	82.9	127.3	25000	91.2	91.9	91.8	93.1	92.2	91.4	90.3	85.0	87.5	83.9	78.7	124.7	31500	89.2	90.2	88.6	91.6	90.0	88.8	87.7	86.3	85.4	81.5	75.6	123.4	40000	84.4	85.4	84.2	85.8	86.3	84.3	84.1	82.4	82.0	77.3	72.1	120.7	50000	79.2	80.5	79.6	82.5	80.7	79.0	79.5	76.8	77.2	71.1	67.2	117.5	63000	71.2	71.8	71.3	74.7	71.7	70.3	71.7	70.2	68.3	62.2	60.6	112.0	80000	69.6	69.6	68.3	71.4	69.4	69.8	70.4	69.9	60.7	57.8	60.3	114.0

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ. (0.)		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.	110.	110.	110.	110.	110.	110.)
	50	39.0	45.9	52.6	54.2	54.4	54.1	54.9	55.2	54.0	54.6							
	63	45.1	53.2	58.8	57.4	59.7	59.6	60.7	59.5	57.6	54.7							
SIDELINE 500. FT.	80	47.6	55.4	60.1	60.8	61.9	62.9	63.5	63.8	62.6	59.9							
(152.40 M)	100	52.1	59.1	63.7	64.3	63.7	63.9	64.3	64.4	63.2	60.7							
NFA 3315. RPM	125	49.4	56.6	62.9	64.3	65.2	65.4	64.1	62.7	61.5	58.6							
( 347. RAD/SEC)	160	46.4	55.1	60.9	61.2	61.4	61.4	61.6	60.5	59.3	57.3							
NFK 3244. RPM	200	45.6	54.3	61.1	61.6	62.6	62.0	60.9	59.8	59.6	58.4							
( 340. RAD/SEC)	250	44.7	53.5	59.9	61.8	62.1	62.7	62.0	60.3	58.9	56.2							
NFD 3244. RPM	315	42.6	49.1	55.7	58.9	60.8	61.2	60.0	58.6	58.0	54.5							
( 340. RAD/SEC)	400	38.0	49.9	54.2	55.8	57.2	58.9	58.5	57.2	55.8	52.2							
AIRFLOW RATIO	500	39.3	47.3	53.5	54.0	55.7	55.6	55.3	54.0	52.3	50.0							
NF/M 12.60	630	39.4	46.7	52.7	53.5	54.6	54.3	53.7	52.0	49.9	47.7							
	800	38.5	50.9	55.9	56.6	58.6	57.7	55.9	55.2	52.6	49.6							
VEHICLE UTHSIM	1000	47.8	61.2	66.5	69.6	69.5	68.8	67.6	65.9	63.5	62.3							
CONFIC A+3	1250	46.5	59.9	65.7	68.9	68.7	68.3	67.7	65.0	63.4	61.9							
LCC SCHENECTADY	1600	33.8	47.5	54.8	55.2	56.0	56.7	55.4	54.2	51.2	49.3							
DATE 7/14/75	2000	37.6	52.7	60.3	62.7	62.9	63.4	62.1	61.1	58.3	56.1							
RUN 39/10	2500	35.6	51.7	60.3	62.4	63.0	63.2	62.8	61.3	58.4	55.4							
TAPE	3150	33.7	51.3	60.9	63.9	65.0	66.9	64.6	64.4	61.0	57.9							
FAN TIP SPEED	4000	28.2	45.8	57.1	60.9	63.3	64.8	63.9	63.3	59.7	55.9							
1027. FT/SEC	5000	21.5	44.0	57.3	60.3	63.9	65.2	64.8	64.7	61.1	56.5							
	6300	11.4	39.9	53.5	59.2	63.2	64.2	64.3	64.5	60.7	56.2							
	8000		29.0	45.3	52.4	56.4	58.3	57.9	58.4	55.2	49.7							
	10000		14.7	36.5	44.7	49.3	51.9	52.7	53.1	49.6	43.3							
OVERALL CALCULATED		57.9	67.8	71.8	76.0	76.8	77.1	76.4	75.4	73.3	70.7							
P.D.B		61.6	75.6	84.3	87.0	88.7	89.6	88.2	87.6	84.7	81.6							

	50	49.5	55.7	61.5	62.8	62.8	62.4	63.1	63.4	62.2	62.6							
	63	55.8	63.3	66.0	66.2	68.2	68.1	69.1	67.9	65.9	63.0							
SIDELINE 200. FT.	80	58.6	65.8	69.6	69.8	70.6	71.5	72.0	72.3	71.1	68.4							
( 60.96 M)	100	63.4	69.8	73.4	73.5	72.6	72.6	72.9	73.0	71.8	69.3							
	125	61.0	67.6	72.3	73.4	74.2	74.3	72.9	71.4	70.2	67.3							
	160	59.3	66.4	71.1	70.8	70.6	70.5	70.5	69.3	68.2	66.2							
	200	57.8	65.9	70.5	71.4	72.0	71.1	70.0	68.8	68.6	67.4							
	250	57.3	65.4	70.6	71.8	71.7	72.0	71.2	69.5	68.0	65.3							
	315	55.6	61.4	64.6	69.1	70.6	70.7	69.3	67.9	67.2	63.7							
	400	52.3	62.6	65.5	66.3	67.2	68.6	68.0	66.6	65.2	61.6							
	500	50.3	60.3	65.1	64.6	65.8	65.5	64.9	63.5	61.9	59.5							
	630	50.9	60.3	64.6	64.5	64.9	64.4	63.6	61.7	59.6	57.4							
	800	53.7	64.9	68.1	67.8	67.3	68.0	66.0	65.1	62.5	59.6							
	1000	63.8	75.7	79.1	81.1	80.3	79.3	77.8	76.0	73.6	72.4							
	1250	63.4	75.0	78.8	80.8	79.8	79.1	78.2	75.3	73.7	72.2							
	1600	51.8	63.4	68.4	67.5	67.5	67.8	66.2	64.9	61.8	60.0							
	2000	57.0	67.5	75.0	75.5	74.9	74.9	73.2	72.1	69.2	67.0							
	2500	56.7	69.3	75.1	75.6	75.9	75.0	74.2	72.6	69.6	66.6							
	3150	57.3	70.1	76.6	77.8	78.5	79.2	76.5	76.1	72.6	69.6							
	4000	52.7	65.6	74.1	75.9	77.1	77.8	76.5	75.6	72.0	68.3							
	5000	51.3	66.0	75.1	75.9	78.2	78.8	77.8	77.5	73.8	69.3							
	6300	47.8	65.3	73.6	76.6	77.0	79.0	78.6	78.5	74.6	70.1							
	8000	33.9	59.5	68.9	72.5	74.5	75.2	74.0	74.2	70.8	65.4							
	10000	28.7	52.4	55.1	60.7	70.6	71.6	71.5	71.3	67.7	61.5							
OVERALL CALCULATED		71.5	81.9	86.8	88.2	88.6	88.6	87.5	86.6	83.9	81.1							
P.D.B		82.9	93.3	99.4	100.7	101.4	101.8	100.2	99.5	96.4	93.2							



## Run 39/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 25 HR. 3.6																
		MODEL SOUND PRESSURE LEVELS (50, DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
FREQ.		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.	(0.	(0.	(0.	(0.	(0.	(0.
50																		
63																		
80																		
RADIAL 17. FT.																		
( 5. MI)																		
VEHICLE	UTMSM	100	68.8	68.5	67.5	67.1	64.8	64.8	68.0	69.0	70.7	71.4	71.1					102.4
CONFIG	A*3	125	77.1	77.0	76.0	75.1	74.1	73.0	72.0	72.5	73.7	73.9	73.1					106.0
LCC	SCHENECTADY	160	77.1	75.3	75.0	77.1	75.8	74.3	73.0	73.5	73.4	72.6	73.3					107.3
DATE	7/15/75	230	81.1	81.5	85.3	83.1	81.8	82.0	80.0	80.8	78.9	78.6	73.3					113.9
RUN	39/11	256	86.5	86.3	85.5	85.6	83.6	83.0	82.5	82.3	81.9	80.3	78.5					115.8
TAPE		315	91.3	91.7	89.5	89.9	87.1	84.8	84.0	83.0	82.7	81.3	79.8					118.4
BAR	30.0 HG	430	89.1	91.3	89.8	89.6	88.1	86.5	85.5	83.1	81.9	80.1	77.8					118.5
	(01212. H/12)	500	84.1	83.3	87.8	81.1	84.8	83.3	82.3	80.8	79.9	77.9	76.0					116.3
TANK	81. DEG F	630	87.1	87.3	87.1	87.9	86.3	84.8	83.5	81.3	79.7	77.1	75.3					116.6
	(300. DEG K)	820	87.3	85.8	86.1	87.1	86.3	85.5	84.5	82.1	80.7	79.1	76.5					119.9
TACT	75. DEG F	1000	87.3	86.0	82.3	84.4	85.1	84.8	83.2	81.1	79.5	77.6	74.8					119.4
	(297. DEG K)	1250	77.6	83.8	84.6	84.9	82.3	82.0	82.0	79.9	78.6	76.9	73.3					114.1
HACS	19.78 G1/M3	1500	81.4	82.1	82.3	84.5	81.4	79.5	79.0	76.6	74.8	73.2	70.5					112.1
	(.01923 KG/M3)	2230	82.5	84.6	84.6	84.5	81.9	79.5	79.2	77.9	74.8	73.3	71.0					112.8
HFA	12179. RPM	2500	87.5	87.3	89.3	87.5	84.9	83.7	81.7	79.9	76.3	74.5	72.3					115.9
	(1275. RAD/SEC)	3150	96.5	94.1	94.3	95.9	91.6	90.7	89.7	86.9	86.3	82.3	81.2					123.6
NFK	11929. RPM	4030	103.3	103.2	99.4	103.9	97.0	96.6	95.6	93.1	92.5	88.7	87.4					129.8
	(1249. RAD/SEC)	5030	87.0	87.9	88.4	89.1	86.4	83.8	83.0	80.2	78.5	75.5	73.3					118.8
NFD	11517. RPM	6300	92.1	91.7	91.9	92.0	90.6	87.8	86.7	85.2	83.0	80.5	77.0					120.7
	(1200. RAD/SEC)	8000	95.7	95.6	95.2	95.6	94.4	91.9	90.7	89.5	86.4	85.4	80.7					124.6
NO. OF BLADES	13	10000	94.8	93.9	93.0	96.3	94.2	92.6	91.8	90.8	88.6	86.1	82.1					125.4
FAN TIP SPEED	16030	12500	94.0	95.1	93.9	95.8	94.0	92.3	91.3	90.3	88.6	85.5	81.9					125.2
	1063. FT/SEC	20000	94.7	93.9	93.7	96.5	94.4	93.4	92.2	91.5	90.3	86.2	82.2					128.1
		25000	94.5	94.7	95.0	96.3	95.1	94.1	93.2	92.2	92.0	89.2	83.1					127.4
		31500	91.7	92.2	91.6	92.6	92.0	90.9	90.1	88.5	87.3	84.1	79.7					124.5
		40000	89.5	89.7	89.9	91.2	90.0	88.8	87.4	86.3	85.4	82.1	77.1					123.3
		50000	84.9	85.7	84.0	85.9	85.9	84.1	83.7	81.9	81.6	77.3	72.7					120.4
		63000	79.8	80.3	79.5	82.8	80.5	78.8	78.8	76.7	77.1	71.2	67.5					117.3
		80000	71.5	71.9	71.2	74.6	71.5	70.4	71.5	69.8	67.9	62.3	60.9					111.9
		100000	69.3	69.7	68.4	71.6	69.6	69.9	70.6	70.0	61.6	57.9	60.5					114.1
OVERALL MEASURED																		
OVERALL CALCULATED		107.1	106.1	105.6	107.9	104.6	103.4	102.3	100.8	99.7	96.6	93.4					139.8	
PNCB		120.9	119.2	118.7	121.6	116.6	115.7	114.6	112.5	111.5	108.5	106.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	37.8	45.2	51.5	53.0	53.2	53.1	54.4	54.7	54.0	54.6						
63	46.4	54.9	57.3	58.7	58.7	60.7	59.9	61.4	60.0	59.8	54.4					
SIDELINE 500. FT. (152.40 M)	47.1	54.6	59.3	60.1	61.4	62.1	62.7	62.8	61.4	59.4						
NFA 3430. RPM ( 359. RAD/SEC)	51.4	58.1	53.2	63.3	62.9	63.4	63.3	63.4	62.2	60.5						
NFX 3360. RPM ( 352. RAD/SEC)	49.7	56.9	52.8	64.0	64.4	64.7	63.1	62.5	60.8	58.3						
NFY 3244. RPM ( 340. RAD/SEC)	47.1	55.3	60.7	63.4	61.1	61.2	60.6	60.2	58.3	56.3						
AIRFLOW RATIO HF/AM 12.00	45.3	54.0	60.1	61.6	62.1	62.2	60.9	59.8	57.4	55.4						
630	44.0	52.5	58.9	61.3	62.5	63.0	61.5	60.6	59.2	56.4						
800	42.3	48.1	55.7	59.7	61.0	61.5	60.2	59.1	57.5	54.5						
VEHICLE UT451H 1000	39.1	49.7	55.7	56.6	58.5	59.9	58.8	57.9	56.5	52.7						
CONFIG A+3 1250	36.3	46.8	54.8	55.2	55.7	56.6	55.3	54.0	52.6	42.7						
LGC SCHENECTADY 1600	37.6	48.2	54.2	55.3	55.3	56.6	56.2	53.7	52.4	49.9						
DATE 7/16/75 2000	45.8	57.1	66.1	64.6	66.1	66.7	64.9	64.9	61.1	59.9						
RYN 39/11 2500	52.5	61.4	72.5	69.5	71.6	72.2	70.8	70.8	67.3	65.7						
TAFE 3150	38.5	49.3	57.0	58.4	58.4	59.3	57.6	56.4	53.6	51.3						
FAN TIP SPEED 4000	33.1	51.7	59.0	62.0	61.8	62.5	62.1	60.6	58.3	54.6						
1063. FT/SEC 5000	32.6	53.6	61.8	65.1	65.4	66.0	66.0	63.6	62.8	57.9						
6300	37.3	52.2	61.9	64.3	65.6	66.8	66.9	65.4	63.2	58.9						
8000	32.4	49.1	59.9	63.1	64.5	65.6	65.8	64.9	62.1	57.3						
10000	25.1	45.9	58.6	62.1	64.5	65.5	66.2	65.8	62.0	57.7						
OVERALL CALCULATED	22.5	45.8	57.6	62.2	64.8	66.2	66.6	67.2	63.7	58.4						
PNDH	9.6	37.4	50.7	56.7	59.7	61.5	61.5	61.2	58.4	53.7						
		27.0	44.3	51.1	54.7	56.4	57.1	57.3	54.3	49.0						
		11.5	33.1	41.9	46.0	49.2	49.8	50.4	46.8	41.7						
	58.2	67.4	75.8	75.9	77.2	77.9	77.4	76.9	74.3	71.4						
	62.6	75.4	85.1	87.1	88.5	89.6	89.5	89.1	86.1	82.0						

ORIGINAL PAGE IS OF POOR QUALITY

50	48.2	55.0	60.6	61.6	61.6	61.4	62.6	62.9	62.2	62.8						
63	57.0	65.0	66.5	67.5	69.2	68.3	69.8	68.4	68.2	62.7						
SIDELINE 200. FT. ( 60.96 M)	58.1	65.0	68.8	59.1	70.1	70.7	71.2	71.3	69.8	67.9						
100	62.7	68.8	72.9	72.5	71.6	72.1	71.9	72.0	70.8	69.1						
125	61.2	67.9	72.5	73.4	73.5	73.6	71.9	71.2	69.5	67.0						
160	59.0	66.6	70.9	70.0	70.4	70.2	69.5	69.1	67.2	65.2						
200	57.6	65.6	70.5	71.4	71.5	71.4	70.0	68.8	66.3	64.4						
250	56.6	64.4	69.6	71.3	72.2	72.3	70.7	69.7	68.3	65.5						
315	55.3	60.4	66.6	69.9	71.3	70.9	69.6	68.4	66.7	63.7						
400	52.6	62.4	67.0	67.0	68.4	69.6	68.3	67.3	65.9	62.1						
500	50.3	59.8	66.3	65.9	65.8	66.5	64.9	63.5	62.1	59.3						
630	52.2	61.8	65.1	66.2	65.7	66.6	66.1	63.4	62.1	59.7						
800	61.0	71.1	74.4	75.8	76.7	76.9	75.0	74.9	71.0	69.8						
1000	66.5	75.9	85.1	91.0	82.5	82.7	81.1	81.0	77.4	75.9						
1250	53.4	64.5	70.0	70.3	69.5	70.0	68.1	66.8	64.0	61.7						
1600	56.1	67.5	72.6	74.3	73.4	73.6	72.9	71.3	68.9	65.2						
2000	59.0	70.3	76.0	77.9	77.4	77.4	77.2	74.5	73.7	68.8						
2500	58.3	69.8	76.7	77.5	77.9	78.5	78.3	76.7	74.4	70.2						
3150	56.6	67.9	75.5	77.1	77.4	77.9	77.7	76.6	73.7	69.0						
4000	52.6	66.8	75.6	77.0	78.3	78.6	78.8	78.2	74.3	70.1						
5000	52.3	67.8	75.4	77.8	79.1	79.7	79.7	80.0	76.4	71.2						
6300	45.3	62.7	70.8	74.1	75.5	76.3	75.6	75.2	72.2	67.6						
8000	37.6	57.5	67.9	71.2	72.8	73.3	73.3	73.0	69.9	64.7						
10000	25.6	49.2	61.7	65.9	67.3	68.9	68.5	68.0	64.9	60.0						
OVERALL CALCULATED	71.9	81.4	88.7	95.1	85.3	89.2	88.5	87.9	85.0	81.8						
PNDH	81.1	92.5	99.5	100.6	101.5	101.9	101.6	101.1	98.1	93.8						



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)	ANGLES FROM INLET IN DEGREES (AND RADIAN)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SIDELINE 500. FT. (152.40 M)	50	37.0	43.5	49.8	52.4	52.8	52.0	51.9	52.4	50.9	49.5	63	41.3	49.2	52.7	54.2	56.3	57.0	57.2	56.4	53.7	51.3	80	44.6	52.2	56.0	57.8	58.5	59.3	59.7	60.5	59.3	57.3	100	48.1	55.2	58.9	60.5	60.3	59.6	60.3	60.5	59.8	57.6	125	42.4	50.7	54.8	57.7	57.8	57.6	56.1	54.9	53.7	51.4	160	40.8	49.6	54.1	56.2	55.5	55.4	54.1	53.9	53.2	50.7	200	44.8	53.6	58.0	59.9	60.2	59.9	58.7	57.5	55.3	52.8	250	43.7	52.8	57.8	59.8	60.0	59.4	58.0	57.0	54.8	52.1	315	39.8	47.9	52.6	53.9	54.7	53.6	52.2	50.8	49.1	45.8	AIRFLOW RATIO	400	34.6	42.5	47.9	50.8	51.3	50.3	49.0	48.1	46.2	43.1	500	30.6	40.1	44.7	47.7	48.3	47.3	46.0	45.4	43.2	40.8	NF/WH 12.60	630	42.4	52.3	58.9	60.8	61.4	58.7	58.0	57.1	55.2	51.1	800	34.5	45.4	51.1	52.8	53.0	50.9	49.7	48.8	46.7	43.5	VEHICLE CONFIG	1000	31.0	42.5	47.7	49.0	47.8	46.7	45.1	43.8	42.2	40.1	LOC SCHENECTADY	1250	38.0	50.7	55.9	58.4	56.0	53.7	52.7	49.8	48.6	46.5	DATE 7/17/75	1600	33.7	46.3	52.0	53.9	52.6	50.6	48.4	46.6	45.6	43.2	RUI. TAPE	2000	34.1	48.3	55.0	57.2	57.3	54.8	51.8	50.8	49.5	47.7	FAN TIP SPEED	2500	30.6	46.8	54.5	57.6	57.2	55.9	52.3	50.7	48.7	46.7	616. FT/SEC	3150	26.7	44.3	52.8	56.8	56.7	55.3	52.4	50.1	48.3	45.5	5000	19.4	40.1	49.5	54.3	55.4	53.9	50.9	49.1	46.1	45.3	6300	17.8	36.1	47.2	51.5	52.7	51.4	48.5	46.1	42.4	40.9	8000	1.9	30.2	42.6	48.5	50.1	48.6	45.1	43.4	38.6	36.6	10000	20.3	35.7	43.4	45.2	45.5	42.1	39.3	34.1	32.3	OVERALL CALCULATED	PNDB	53.9	62.7	67.8	70.0	70.1	69.2	68.3	67.7	66.2	63.9	50	47.5	53.3	58.8	61.1	61.2	60.3	60.1	60.6	59.1	57.7	63	52.0	59.3	61.9	62.9	64.8	65.5	65.3	64.8	62.1	59.6	SIDELINE 200. FT. (60.96 M)	80	55.6	62.6	65.5	66.8	67.2	67.9	68.2	68.9	67.7	65.8	100	59.4	65.9	68.6	69.7	69.1	68.3	68.9	69.1	68.2	66.2	125	54.0	61.7	64.7	67.1	66.8	66.5	64.8	63.6	62.4	60.1	160	52.8	60.9	64.3	65.7	64.7	64.4	63.0	62.7	62.0	59.6	200	57.1	65.2	68.4	69.6	69.6	69.0	67.7	66.4	64.2	61.7	250	56.3	64.7	68.5	69.7	69.5	68.7	67.1	66.1	63.9	61.2	315	52.8	60.2	63.6	64.1	64.4	63.1	61.6	60.0	58.3	55.1	400	48.0	55.1	59.2	61.2	61.3	60.0	58.5	57.5	55.6	52.5	500	44.5	53.1	56.2	58.4	58.4	57.1	55.7	54.8	52.8	50.4	630	56.9	65.8	70.8	71.7	71.8	68.8	67.8	66.8	64.9	60.8	800	49.7	59.4	63.3	64.0	63.6	61.1	59.7	58.7	56.6	53.4	1000	47.0	57.0	60.3	60.6	58.7	57.2	55.3	53.9	52.3	50.3	1250	54.9	65.8	69.0	70.3	67.2	64.5	63.2	60.2	58.9	56.8	1600	51.8	62.2	65.6	66.2	64.1	61.7	59.2	57.3	56.2	53.9	2000	53.5	65.0	69.2	69.9	69.2	66.0	63.0	61.7	60.4	58.6	2500	51.6	64.3	69.3	70.8	69.5	67.6	63.7	62.0	59.9	58.0	3150	50.3	63.2	68.5	70.7	69.6	67.8	64.3	61.8	60.0	57.2	4000	46.9	60.9	66.6	69.3	69.2	67.0	63.5	61.5	58.4	57.7	5000	43.5	58.0	65.0	67.1	67.0	64.9	61.5	58.8	55.2	53.7	6300	38.3	55.6	62.8	65.8	65.9	63.4	59.3	57.4	52.5	50.5	8000	30.4	50.8	59.4	63.5	63.3	62.3	58.3	55.1	49.7	48.1	10000	20.9	44.8	56.0	60.2	61.3	59.5	57.3	53.0	47.1	44.7	OVERALL CALCULATED	PNDB	66.8	75.8	79.9	81.4	80.8	79.3	77.8	77.0	75.3	73.0	50	75.1	87.0	92.0	94.0	93.2	91.4	88.5	86.6	84.4	82.0

## Run 40/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. RATE = MONTH 7 DAY 20 HR. 14.1																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PmL
FREQ. (0. ) (0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. ) (0. ) (0. ) (0. ) (0. ) (0. ) (0. )																			
RADIAL 17. FT.	50																		103.4
( 5. M)	63																		107.4
VEHICLE UTHS1M	100	70.3	70.0	69.3	67.9	65.6	65.9	68.7	70.5	71.9	72.1	71.8							106.4
CONFIG 5+2	125	78.3	78.8	77.3	76.1	75.6	74.4	72.7	72.3	73.2	73.6	73.1							110.2
LOC SCHENECTADY	160	77.1	75.3	74.5	76.4	76.1	74.6	72.7	72.0	71.7	70.1	69.0							115.0
DATE 7/17/79	200	78.1	80.0	80.3	79.1	78.3	78.4	77.7	77.5	75.9	72.6	71.3							117.3
PJM 40/5	250	86.5	85.5	85.0	84.4	83.1	82.1	81.7	81.9	81.2	79.3	78.0							114.2
TAFE	315	89.1	89.3	88.3	87.9	86.3	84.6	82.9	82.5	81.7	80.6	78.5							112.0
BAR 30.0 HG	400	85.3	85.3	84.8	84.9	84.1	82.9	80.9	79.0	77.2	75.1	73.5							119.9
(101305. N/M2)	500	83.8	83.8	83.3	83.4	81.6	79.6	77.9	76.8	74.9	73.4	71.8							116.5
TAMB 77. DEG F	630	87.8	87.5	86.8	87.4	85.6	84.6	82.2	80.1	77.7	75.4	73.1							111.0
(298. DEG K)	800	85.1	87.8	87.8	87.9	88.3	84.9	82.7	80.6	78.2	76.1	73.3							106.8
TNET 73. DEG F	1000	85.1	84.5	83.8	83.6	81.6	79.4	77.1	75.1	73.0	71.1	68.0							100.5
(296. DEG K)	1250	81.8	81.1	79.8	79.9	78.3	77.6	75.1	72.6	70.7	68.7	65.8							169.0
HACT19.07 GH/M3	1600	77.6	77.8	78.1	77.4	76.4	75.4	72.9	69.9	67.8	66.0	63.5							121.0
(.01907 KG/M3)	2000	78.9	81.3	81.3	80.7	79.1	76.9	74.4	71.9	69.3	67.3	65.3							109.3
NFA 8243. RPM	2500	89.6	94.3	94.8	91.3	90.9	88.1	86.6	83.4	82.3	79.5	77.3							111.0
( 863. RAD/SEC)	3150	83.3	83.1	82.3	81.2	79.1	76.0	73.6	70.6	68.3	66.3	64.5							117.9
NFK 8104. RPM	4000	85.3	84.5	84.2	83.1	81.0	77.9	74.5	71.3	68.7	66.2	65.1							120.8
( 848. RAD/SEC)	5000	91.5	91.2	91.6	90.1	88.7	85.9	82.4	79.0	76.4	74.4	72.3							121.4
NFC 11517. RPM	6300	92.1	91.0	90.9	90.5	87.4	85.1	81.3	77.2	75.0	73.9	71.2							120.4
(1206. RAD/SEC)	8000	93.9	92.8	92.9	93.1	90.7	88.3	85.1	81.5	77.9	75.2	73.2							118.9
NO. OF BLADES 18	10000	91.8	92.8	92.5	93.5	91.4	89.4	86.2	82.5	79.1	76.1	73.6							117.0
FAN TIP SPEED 720. FT/SEC	12500	90.8	91.1	90.9	92.0	90.3	88.6	85.9	81.5	77.6	74.5	72.0							119.3
	15000	88.4	88.1	87.9	90.4	88.6	87.2	84.3	80.0	76.8	71.7	69.7							110.9
	20000	87.7	87.9	88.0	88.8	87.6	86.7	83.8	78.9	75.4	69.4	66.6							112.0
	25000	85.7	86.4	86.3	87.6	86.5	85.2	82.9	78.2	73.2	67.4	64.9							117.0
	31500	84.7	85.2	84.4	86.1	85.8	84.1	81.6	77.5	72.9	65.3	61.8							113.1
	40000	81.4	81.7	80.5	82.8	81.9	80.4	77.8	74.4	70.8	62.0	58.9							168.9
	50000	77.5	77.6	76.9	79.3	77.3	75.1	74.7	70.1	68.3	59.4	58.2							110.9
	63000	70.8	70.6	69.9	72.6	70.0	67.2	67.6	64.1	62.8	57.0	58.4							110.9
	80000	70.0	69.6	68.4	71.0	69.7	60.9	60.9	60.2	60.8	57.9	60.6							
OVERALL MEASURED																			131.0
OVERALL CALCULATED		102.0	102.3	102.2	102.0	100.4	95.5	96.0	93.0	90.9	88.5	86.6							
PNR		113.1	114.5	114.5	112.6	111.5	109.2	107.1	104.3	102.7	100.3	98.3							

Run 40/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 20 NO. 14.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ. (0.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
	(0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SIDELINE 500. FT.	37.8	41.9	46.6	50.9	55.2	59.6	64.0	68.4	72.8	77.2	81.6
(152.40 M)	37.8	41.9	46.6	50.9	55.2	59.6	64.0	68.4	72.8	77.2	81.6
NFA 2322. RPM	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	94.9
( 243. RAD/SEC)	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	94.9
NFK 2283. RPM	45.6	50.6	55.6	60.6	65.6	70.6	75.6	80.6	85.6	90.6	95.6
( 239. RAD/SEC)	45.6	50.6	55.6	60.6	65.6	70.6	75.6	80.6	85.6	90.6	95.6
NFD 3244. RPM	40.8	45.8	50.8	55.8	60.8	65.8	70.8	75.8	80.8	85.8	90.8
( 340. RAD/SEC)	40.8	45.8	50.8	55.8	60.8	65.8	70.8	75.8	80.8	85.8	90.8
AIRFLOW RATIO	35.6	40.6	45.6	50.6	55.6	60.6	65.6	70.6	75.6	80.6	85.6
WF/HM 12.60	47.4	52.4	57.4	62.4	67.4	72.4	77.4	82.4	87.4	92.4	97.4
VEHICLE UTMSIM 1000	34.7	39.7	44.7	49.7	54.7	59.7	64.7	69.7	74.7	79.7	84.7
CONFIG C*2 1250	39.7	44.7	49.7	54.7	59.7	64.7	69.7	74.7	79.7	84.7	89.7
LCC SCHENECTADY 1600	37.3	42.3	47.3	52.3	57.3	62.3	67.3	72.3	77.3	82.3	87.3
DATE 7/17/75 2000	36.8	41.8	46.8	51.8	56.8	61.8	66.8	71.8	76.8	81.8	86.8
RUN 40/5 2500	34.3	39.3	44.3	49.3	54.3	59.3	64.3	69.3	74.3	79.3	84.3
TAPE 3150	28.4	33.4	38.4	43.4	48.4	53.4	58.4	63.4	68.4	73.4	78.4
FAN TIP SPEED 4000	19.3	24.3	29.3	34.3	39.3	44.3	49.3	54.3	59.3	64.3	69.3
720. FT/SEC 5000	15.7	20.7	25.7	30.7	35.7	40.7	45.7	50.7	55.7	60.7	65.7
6300	3.8	8.8	13.8	18.8	23.8	28.8	33.8	38.8	43.8	48.8	53.8
8000		22.5	27.5	32.5	37.5	42.5	47.5	52.5	57.5	62.5	67.5
10000		8.0	13.0	18.0	23.0	28.0	33.0	38.0	43.0	48.0	53.0
OVERALL CALCULATED	55.8	60.8	65.8	70.8	75.8	80.8	85.8	90.8	95.8	100.8	105.8
PND8	59.5	64.5	69.5	74.5	79.5	84.5	89.5	94.5	99.5	104.5	109.5
SIDELINE 200. FT.	48.2	52.5	56.8	61.1	65.4	69.7	74.0	78.3	82.6	86.9	91.2
( 60.96 M),	48.2	52.5	56.8	61.1	65.4	69.7	74.0	78.3	82.6	86.9	91.2
100	60.9	65.2	69.5	73.8	78.1	82.4	86.7	91.0	95.3	99.6	103.9
125	56.5	60.8	65.1	69.4	73.7	78.0	82.3	86.6	90.9	95.2	99.5
160	54.5	58.8	63.1	67.4	71.7	76.0	80.3	84.6	88.9	93.2	97.5
200	57.8	62.1	66.4	70.7	75.0	79.3	83.6	87.9	92.2	96.5	100.8
250	57.6	61.9	66.2	70.5	74.8	79.1	83.4	87.7	92.0	96.3	100.6
315	53.8	58.1	62.4	66.7	71.0	75.3	79.6	83.9	88.2	92.5	96.8
400	49.8	54.1	58.4	62.7	67.0	71.3	75.6	79.9	84.2	88.5	92.8
500	49.5	53.8	58.1	62.4	66.7	71.0	75.3	79.6	83.9	88.2	92.5
630	61.9	66.2	70.5	74.8	79.1	83.4	87.7	92.0	96.3	100.6	104.9
800	50.0	54.3	58.6	62.9	67.2	71.5	75.8	80.1	84.4	88.7	93.0
1000	50.7	55.0	59.3	63.6	67.9	72.2	76.5	80.8	85.1	89.4	93.7
1250	56.6	60.9	65.2	69.5	73.8	78.1	82.4	86.7	91.0	95.3	99.6
1600	55.4	59.7	64.0	68.3	72.6	76.9	81.2	85.5	89.8	94.1	98.4
2000	56.2	60.5	64.8	69.1	73.4	77.7	82.0	86.3	90.6	94.9	99.2
2500	55.3	59.6	63.9	68.2	72.5	76.8	81.1	85.4	89.7	94.0	98.3
3150	52.0	56.3	60.6	64.9	69.2	73.5	77.8	82.1	86.4	90.7	95.0
4000	48.8	53.1	57.4	61.7	66.0	70.3	74.6	78.9	83.2	87.5	91.8
5000	45.5	49.8	54.1	58.4	62.7	67.0	71.3	75.6	79.9	84.2	88.5
6300	40.2	44.5	48.8	53.1	57.4	61.7	66.0	70.3	74.6	78.9	83.2
8000	33.1	37.4	41.7	46.0	50.3	54.6	58.9	63.2	67.5	71.8	76.1
10000	21.6	25.9	30.2	34.5	38.8	43.1	47.4	51.7	56.0	60.3	64.6
OVERALL CALCULATED	69.0	73.3	77.6	81.9	86.2	90.5	94.8	99.1	103.4	107.7	112.0
PND8	77.9	82.2	86.5	90.8	95.1	99.4	103.7	108.0	112.3	116.6	120.9

ORIGINAL PAGE IS OF POOR QUALITY

## Run 40/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.1

	FREQ.	MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)												PWL				
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
		(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
	50																	
	63																	
	80																	
RADIAL 17. FT. ( 5. M)	100	70.8	71.8	69.8	68.4	66.6	66.9	69.7	71.5	72.2	73.1	72.8						104.3
VEHICLE UTMSIM	125	79.6	79.5	78.3	76.6	76.6	75.1	73.4	73.5	74.2	73.4	73.1						108.1
CONFIG 6+2	160	79.1	76.8	76.3	78.1	77.6	76.1	73.9	73.5	73.4	71.4	70.6						107.9
LCC SCHEMECTADY	200	78.8	81.0	80.8	80.1	79.1	79.4	78.4	78.5	76.9	74.3	72.5						111.1
DATE 7/17/75	250	87.0	86.3	85.8	85.1	84.3	82.9	82.7	82.3	82.4	80.8	78.8						110.0
RLI 40/8	315	90.6	90.8	89.8	89.6	87.8	85.9	84.4	83.5	82.7	81.6	79.3						118.7
TAFE	400	86.8	87.3	86.8	86.3	86.3	84.9	82.9	81.0	79.2	77.4	75.0						110.3
RAP 30.0 HG	560	84.8	84.8	84.8	84.9	82.8	81.1	79.4	78.3	77.2	74.9	73.5						113.5
(01305. N/H2)	630	87.3	87.3	87.1	87.2	85.3	84.1	82.2	80.1	77.7	75.1	72.8						115.7
TAM6 77. DEG F	860	87.8	87.5	87.3	87.6	86.6	84.9	82.7	80.1	78.0	75.9	73.3						116.3
(298. DEG K)	1000	84.8	84.5	82.6	82.9	80.8	79.4	77.6	75.3	73.2	71.4	68.5						111.6
T-ET 73. DEG F	1250	82.1	81.3	79.3	79.9	79.6	78.6	76.4	74.4	72.0	70.7	67.0						109.8
(296. DEG K)	1600	79.1	79.8	80.3	80.7	78.9	77.4	75.1	72.9	70.3	69.0	66.8						109.0
HACT19.67 GH/M3	2000	79.1	80.3	81.1	81.5	79.6	77.4	74.9	71.6	69.0	67.8	65.8						109.3
(.01907 KG/M3)	2500	93.1	92.8	94.3	94.5	91.4	88.3	84.4	81.1	79.8	77.0	76.0						121.3
NFA 9399. RPM	3150	93.3	93.3	95.0	94.9	91.8	88.5	85.1	81.6	80.0	77.3	76.2						121.8
( 984. RAD/SEC)	4000	84.5	85.0	84.4	83.6	82.0	79.4	76.5	73.3	71.5	69.0	67.1						111.9
NFK 9240. RPM	5000	89.2	89.9	91.8	89.8	89.7	87.4	84.6	80.0	77.4	76.4	73.6						119.0
( 967. RAD/SEC)	6300	92.4	92.0	94.4	92.5	92.1	90.1	87.1	82.4	79.8	78.8	76.0						121.6
NFC 11517. RPM	8000	93.9	94.8	94.2	93.6	91.9	90.5	87.8	84.5	80.9	78.9	76.2						122.3
(1206. RAD/SEC)	10000	92.8	94.3	94.0	94.3	92.9	91.4	88.5	84.7	81.6	78.1	75.3						122.9
NO. OF BLADES 18	12500	92.8	93.8	92.9	94.8	93.8	91.6	89.4	85.7	82.3	78.0	75.5						123.4
FAN TIP SPEED	16000	90.4	90.9	90.7	93.4	91.1	90.5	87.8	84.0	81.5	78.0	72.9						122.0
821. FT/SEC	20000	88.7	89.6	90.5	90.8	90.9	89.9	87.8	84.4	80.7	75.4	71.4						121.6
	25000	87.4	88.4	87.5	89.4	88.7	88.2	85.9	83.0	79.2	73.1	69.0						120.4
	31500	85.9	86.4	86.1	88.1	88.0	87.1	84.3	82.0	78.4	71.5	66.8						120.2
	40000	82.1	82.7	81.7	84.3	84.1	82.4	81.5	78.4	76.0	68.0	63.8						117.7
	50000	77.5	77.8	76.9	80.1	78.5	77.6	77.7	73.6	72.5	63.9	60.7						114.9
	63000	70.8	70.8	69.9	73.1	71.2	69.0	70.1	67.3	65.8	58.8	58.9						110.4
	80000	70.0	69.6	69.4	71.0	69.7	61.4	61.7	60.5	60.8	57.9	60.6						110.0
OVERALL MEASURED																		
OVERALL CALCULATED		103.2	103.6	103.9	104.2	102.7	101.0	98.5	95.5	93.1	90.4	88.2						133.2
PNCB		115.0	115.2	116.1	115.9	113.7	111.2	108.3	105.3	103.5	101.3	99.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ.	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)
50	39.3	46.2	52.6	54.7	55.0	54.0	54.4	54.7	52.8	51.8	
63	42.9	50.4	54.3	55.9	58.0	58.3	59.2	58.0	55.6	53.7	
SIDELINE 500. FT. (152.40 M)	80	47.3	54.9	58.8	60.8	61.2	62.3	62.7	63.3	61.9	59.7
NFA 2847. RPM ( 277. RAD/SEC)	100	51.1	58.4	63.0	64.1	64.0	63.8	64.0	63.4	62.5	60.0
NFK 2603. RPM ( 272. RAD/SEC)	125	46.9	54.9	59.9	62.3	62.8	62.1	61.1	59.7	58.0	56.3
NFD 3244. RPM ( 340. RAD/SEC)	160	43.6	52.3	57.4	58.4	58.7	58.4	58.1	57.5	55.3	53.8
AIRFLOW RATIO WF/WM 12.60	200	45.3	54.0	59.3	60.6	61.5	60.9	59.7	57.8	55.4	52.9
VEHICLE CONFIG	250	44.7	53.7	59.4	61.5	62.0	61.1	59.5	57.8	55.9	53.2
LCC SCHENECTADY	315	40.8	48.3	54.2	55.4	56.2	55.9	54.5	52.9	51.2	48.2
DATE 7/17/75	400	36.6	44.4	50.7	53.8	55.1	54.3	53.2	51.4	50.3	46.5
RUN 40/6	500	34.1	44.8	51.0	52.7	53.5	52.8	51.5	49.5	48.3	46.0
TAPE	630	45.9	58.0	64.3	64.8	64.1	61.7	59.5	58.7	56.1	54.9
FAN TIP SPEED 820. FT/SEC	800	45.0	57.9	64.1	64.8	64.0	62.1	59.7	58.7	56.1	54.9
OVERALL CALCULATED	1000	35.2	46.4	52.2	54.5	54.5	53.2	51.0	49.8	47.5	45.5
PNCB	1250	38.5	52.8	57.7	61.6	61.9	60.9	57.4	55.4	54.6	51.6
50	38.3	54.1	59.5	63.5	64.2	62.9	59.4	57.4	56.6	53.5	
63	38.8	52.6	59.8	62.6	64.0	63.2	61.0	58.1	56.3	53.3	
80	35.8	51.2	59.6	63.0	64.4	63.4	60.9	58.4	55.2	52.2	
100	30.9	48.1	54.8	62.9	63.9	63.7	61.3	58.6	54.5	51.8	
125	22.1	42.9	55.6	58.8	61.6	61.1	56.7	56.8	51.7	48.4	
160	17.5	41.3	52.1	58.0	60.6	60.8	58.9	56.0	50.9	46.6	
200	5.8	33.4	47.4	53.5	57.0	57.4	56.0	53.2	47.4	42.9	
250		24.2	41.2	49.1	53.0	53.3	52.9	50.3	43.8	38.7	
315		9.2	38.6	40.2	44.3	47.1	46.2	45.1	37.5	32.5	
400	56.7	66.4	72.3	74.4	75.0	74.3	72.8	71.5	69.5	67.2	
500	60.2	74.3	82.4	85.9	87.1	86.7	84.6	82.3	78.9	76.0	

50	49.7	56.0	61.6	63.3	63.4	62.3	62.6	62.9	61.0	60.1	
63	53.5	60.5	63.5	64.7	66.6	66.7	67.5	66.4	63.9	62.0	
SIDELINE 200. FT. ( 60.96 M)	80	58.3	65.3	68.3	69.8	70.0	70.9	71.2	71.8	70.3	68.1
100	62.4	69.1	72.7	73.2	72.9	72.5	72.7	72.0	71.0	68.6	
125	58.5	65.9	69.8	71.6	71.8	71.0	69.8	68.4	66.7	65.0	
160	55.5	63.6	67.6	68.0	68.0	67.4	67.0	66.3	64.2	62.7	
200	57.6	65.6	69.7	70.4	70.9	70.0	68.7	66.8	64.3	61.9	
250	57.3	65.6	70.1	71.5	71.5	70.4	68.6	67.0	65.0	62.3	
315	53.8	60.6	65.1	65.6	65.9	65.3	63.8	62.1	60.4	57.5	
400	50.1	57.1	62.0	64.2	65.0	64.0	62.7	60.8	59.7	55.9	
500	48.0	57.8	62.6	63.4	63.7	62.6	61.2	59.0	57.9	55.5	
630	60.4	71.5	76.1	75.7	74.5	71.8	69.3	68.5	65.8	64.7	
800	60.2	71.9	76.4	76.0	74.6	72.3	69.7	68.6	66.0	64.6	
1000	51.2	60.9	64.8	66.0	65.4	63.6	61.3	60.0	57.6	55.6	
1250	55.4	68.0	70.8	73.5	73.1	71.7	67.9	65.8	65.0	61.9	
1600	56.4	70.0	73.1	75.8	75.7	74.0	70.2	68.0	67.2	64.2	
2000	58.2	69.3	74.0	75.4	76.0	74.6	72.2	69.0	67.2	64.3	
2500	56.8	68.8	74.4	76.2	76.7	75.2	72.3	69.7	66.4	63.4	
3150	54.5	66.9	74.5	76.8	76.8	76.0	73.2	70.3	66.2	63.5	
4000	49.6	63.7	72.6	73.8	75.4	74.2	71.3	69.2	64.0	60.8	
5000	47.2	63.2	69.9	73.5	74.9	74.3	71.9	68.7	63.6	59.4	
6300	42.2	58.7	67.5	70.8	72.6	72.2	70.3	67.1	61.2	56.9	
8000	34.4	54.7	64.9	69.2	71.1	70.2	69.0	66.0	59.4	54.4	
10000	22.6	46.9	59.2	64.1	65.6	66.8	65.0	63.4	55.6	50.7	
OVERALL CALCULATED	70.0	80.1	84.9	86.3	86.5	85.4	83.3	81.5	79.1	76.7	
PNCB	79.3	91.3	97.4	99.5	99.8	98.8	96.4	93.9	90.3	87.4	



## Run 40/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PRCC. DATE - MONTH 9 DAY 28 HR. 14.1																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
		FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																		
	63																		
RADIAL 17. FT.	80																		
( 5. M)	100	71.6	71.5	70.0	68.9	66.8	67.3	69.8	71.8	73.4	74.1	73.8							109.0
VEHICLE UTMSIM	125	79.6	79.5	78.0	76.9	76.6	75.3	73.8	73.8	74.7	74.4	73.6							106.4
CONFIG 0+2	160	78.8	76.8	76.0	77.9	77.3	76.3	74.3	74.0	73.7	71.9	71.8							108.0
LCC SCHENECTADY	200	79.6	81.8	81.8	80.6	79.8	80.0	79.5	79.3	77.9	75.1	73.8							112.0
DATE 7/17/75	250	88.3	87.0	86.8	86.4	85.3	84.0	83.0	83.5	83.2	81.6	79.8							116.8
RUN 40/77	315	91.3	91.3	90.3	90.1	88.1	86.5	84.5	83.8	83.2	81.8	80.0							119.1
TAPE	400	88.3	88.5	88.0	87.9	86.8	86.0	84.5	82.8	80.4	79.4	76.8							117.9
BAP 30.0 HG	500	86.3	86.3	85.8	86.4	84.1	82.3	81.3	79.8	78.4	77.1	75.5							114.9
(01305. N/HZ)	630	86.1	85.8	85.8	85.9	84.3	83.6	81.3	79.3	76.7	75.1	72.1							114.8
TAMB 78. DEG F	800	86.8	85.8	85.8	85.4	84.6	83.0	81.5	79.3	77.5	75.1	72.5							114.7
(299. DEG K)	1000	84.3	83.5	82.1	82.1	80.6	79.5	77.0	75.3	73.5	71.9	69.3							111.1
T-ET 73. DEG F	1250	80.8	80.3	80.1	81.4	80.3	79.5	77.7	75.4	73.7	72.2	68.8							110.6
(296. DEG K)	1630	78.6	79.8	81.8	82.2	80.6	78.8	76.5	74.1	72.0	70.5	68.5							110.4
HACT18.76 GM/HZ	2000	80.9	81.1	80.6	81.7	80.4	78.5	76.0	73.6	70.8	69.0	67.0							110.0
(.01876 KG/HZ)	2500	86.4	87.3	86.8	84.7	84.1	81.0	78.2	75.9	74.1	71.5	70.3							113.8
NFA 10604. RPM	3150	101.6	103.8	104.8	96.7	99.6	94.7	90.7	88.9	87.8	83.3	83.0							128.1
(1110. RAD/SEC)	4000	87.8	89.7	89.2	86.6	85.0	82.6	80.6	77.5	75.5	73.9	71.4							115.7
NFK 10415. RPM	5000	90.5	89.9	89.3	88.8	88.7	85.5	82.5	79.5	77.4	75.2	73.3							117.2
(1090. RAD/SEC)	6300	98.1	100.0	97.1	96.2	96.4	93.8	92.4	87.9	85.8	82.5	82.7							126.0
NFD 11517. RPM	8000	92.4	93.1	93.4	92.4	90.9	88.9	86.9	84.5	81.6	78.2	75.7							121.3
(1206. RAD/SEC)	10000	93.8	96.1	96.3	96.5	96.2	93.1	92.3	88.5	86.1	82.1	79.1							125.6
NO. OF BLADES 18	12500	93.5	95.3	95.6	96.0	96.0	94.5	95.0	90.5	88.6	84.3	81.5							126.6
FAN TIP SPEED	16000	91.2	92.7	92.7	95.0	93.4	93.4	91.2	88.2	86.6	81.5	77.9							124.8
926. FT/SEC	20000	91.2	92.4	93.0	93.3	93.4	92.6	91.9	88.2	86.7	81.4	77.4							124.8
	25000	90.0	90.9	90.6	91.9	92.3	90.9	89.3	87.0	85.0	80.7	75.3							123.7
	31500	88.5	89.0	88.7	90.7	90.8	89.1	87.7	85.6	83.9	78.6	72.6							123.1
	40000	84.7	85.3	84.3	86.9	86.2	85.1	84.2	82.0	81.1	75.1	69.7							120.8
	50000	79.9	79.9	80.0	82.4	81.1	79.9	80.3	77.5	77.1	70.0	66.0							117.8
	63000	72.4	72.0	72.0	75.2	73.1	72.5	73.6	71.4	70.0	63.4	61.3							113.3
	80000	70.2	69.8	68.6	71.2	69.9	70.3	70.7	70.2	61.7	58.1	60.8							114.2
OVERALL MEASURED																			
OVERALL CALCULATED		105.6	107.5	107.6	105.2	105.4	103.1	101.7	98.6	97.0	93.3	91.1							135.9
PNDR		119.6	121.3	121.6	116.7	117.8	114.2	111.3	109.2	107.8	104.4	103.4							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT PNL, MWR, DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.			
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.17)	(0.35)	(0.52)	(0.70)
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.4	54.5	55.2	54.3	54.9	55.0	53.3	53.1			
NFA 2987. RPM ( 313. RAD/SEC)	63	43.6	51.4	54.8	56.7	58.7	59.4	59.9	59.0	56.3	54.9			
NFK 2934. RPM ( 307. RAD/SEC)	80	48.1	55.9	60.1	61.8	62.4	62.6	64.0	64.1	62.6	60.7			
NFD 3244. RPM ( 346. RAD/SEC)	100	51.6	58.9	63.5	64.3	64.7	63.9	64.0	63.9	62.7	60.7			
AIRFLOW RATIO WF/W 12.60	125	48.2	56.1	60.9	62.8	63.9	63.7	62.8	61.0	60.0	57.3			
VEHICLE UTMSIM 1000	160	45.1	53.3	58.9	59.7	59.9	60.2	59.6	58.7	57.6	55.8			
CONFIG 6*2 1250	200	43.8	52.8	58.1	59.6	60.9	60.0	58.9	58.8	55.4	52.2			
LOC SCHECHTADY 1600	250	43.0	52.2	57.1	59.5	60.1	60.0	58.7	57.3	55.2	52.4			
DATE 7/17/75 2000	315	39.8	47.8	53.4	55.2	56.3	55.2	54.5	53.1	51.7	49.0			
RUN 40/7 2500	400	35.6	45.2	52.2	54.6	56.0	55.7	54.3	53.2	51.8	48.2			
TAPE 3150	500	34.1	46.3	52.5	54.5	54.9	54.1	52.8	51.2	49.8	47.7			
FAN TIP SPEED 4000	630	34.1	44.2	51.5	53.8	54.3	53.3	52.0	49.7	48.1	45.9			
926. FT/SEC 5000	800	39.0	49.6	53.9	57.1	58.4	55.2	53.9	52.7	50.3	48.9			
OVERALL CALCULATED	1000	54.0	66.7	65.2	72.1	69.7	67.3	66.6	66.1	61.8	61.3			
PND8	1250	38.3	50.1	54.5	56.9	57.2	56.8	54.7	53.5	51.2	49.4			
	1600	36.2	49.0	55.8	57.9	59.5	58.2	56.4	55.0	52.9	50.8			
	2000	43.9	55.5	62.3	66.9	67.2	67.7	64.4	62.9	59.8	59.8			
	2500	34.4	50.5	57.6	60.8	61.8	61.7	60.5	58.3	55.1	52.4			
	3150	33.2	51.3	60.4	65.1	65.1	66.4	63.9	62.2	58.4	55.2			
	4000	26.2	47.5	57.8	63.4	65.3	68.0	64.9	63.7	59.7	56.7			
	5000	20.1	43.0	55.8	60.1	63.7	63.7	62.3	61.4	56.6	52.8			
	6300	9.2	38.2	50.7	57.5	61.0	62.7	60.6	60.0	55.0	50.7			
	8000		27.8	44.1	52.4	55.9	57.3	56.9	56.0	51.9	46.2			
	10000		14.8	35.6	45.5	49.6	51.9	52.0	51.6	46.7	40.3			
	OVERALL CALCULATED	58.5	69.1	72.1	76.2	76.2	74.8	73.8	71.1	69.2				
	PND8	63.6	77.0	83.1	87.4	88.2	89.5	87.2	86.0	82.4	79.7			

ORIGINAL PAGE IS OF POOR QUALITY

	50	49.7	56.0	61.4	63.1	63.6	62.6	63.1	63.2	61.5	61.3			
	63	54.3	61.5	64.0	65.5	67.2	67.8	68.3	67.4	64.7	63.2			
SIDELINE 200. FT. ( 60.96 M)	80	59.1	66.3	69.6	70.8	71.1	71.2	72.5	72.5	71.1	69.1			
	100	62.9	69.6	73.2	73.5	73.6	72.6	72.7	72.5	71.3	69.3			
	125	59.7	67.1	70.8	72.1	73.0	72.6	71.6	69.7	68.7	66.0			
	160	57.0	64.6	69.1	69.3	69.1	69.2	68.5	67.6	66.4	64.7			
	200	56.1	64.4	68.5	69.4	70.3	69.1	68.0	65.8	64.3	61.1			
	250	55.6	64.1	67.8	69.5	69.7	69.3	67.9	66.5	64.3	61.5			
	315	52.8	60.1	64.4	65.4	66.1	64.7	63.8	62.4	60.9	58.2			
	400	49.1	57.8	63.5	65.0	65.9	65.3	63.7	62.6	61.2	57.6			
	500	48.0	59.3	64.1	65.1	65.1	64.0	62.4	60.8	59.4	57.3			
	630	48.7	57.8	63.4	64.7	64.7	63.4	61.8	59.4	57.8	55.7			
	800	54.2	63.6	66.1	68.3	67.0	65.5	64.0	62.6	60.2	58.8			
	1000	70.0	81.2	77.9	83.6	80.6	77.8	76.8	76.2	71.9	71.4			
	1250	55.1	65.3	67.6	68.8	68.3	67.6	65.2	63.8	61.5	59.7			
	1600	54.3	64.9	69.4	70.2	71.0	69.3	67.2	65.6	63.5	61.5			
	2000	63.3	72.2	76.5	79.7	79.1	79.1	75.5	73.8	70.7	70.8			
	2500	55.4	68.0	72.3	74.1	74.1	73.5	72.0	69.6	68.3	63.6			
	3150	56.8	70.1	76.1	79.0	78.0	78.7	75.8	73.9	70.1	66.9			
	4000	53.7	68.4	74.9	78.3	79.1	81.1	77.5	76.1	72.0	69.1			
	5000	49.8	65.0	73.6	75.5	78.0	77.3	75.3	74.2	69.3	65.5			
	6300	45.6	63.5	70.9	74.9	76.8	77.5	74.9	74.0	68.9	64.7			
	8000	38.0	58.3	67.7	72.5	74.0	74.2	73.1	71.7	67.6	62.0			
	10000	27.5	52.5	64.1	69.5	70.9	71.6	70.8	69.9	64.8	58.6			
	OVERALL CALCULATED	73.0	83.4	85.2	88.5	88.1	88.0	85.9	84.7	81.4	79.3			
	PND8	81.9	93.1	98.3	101.1	101.3	102.0	99.4	98.0	94.3	91.5			

## Run 40/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 28 HR. 14.2																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PWL
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50																			
63																			
80																			
RADIAL 17. FT.																			
( 5. M)		100	71.3	71.0	70.0	78.6	66.1	66.8	69.5	72.0	73.2	74.1	72.8						105.9
VEHICLE UTHSIM		125	78.8	78.8	77.8	79.9	75.3	74.8	73.0	73.5	74.4	74.1	73.3						108.8
CONFIG 8*2		160	78.1	76.0	75.8	79.6	77.3	75.8	73.8	73.8	73.2	72.6	71.8						108.1
LOC SCHENECTADY		200	79.8	82.0	81.8	83.9	80.1	80.3	80.0	79.5	78.2	75.6	73.8						112.7
DATE 7/17/75		250	88.3	87.0	86.8	86.4	84.0	84.3	83.2	83.3	83.2	81.6	79.5						116.9
RGN 40/8		315	91.6	91.8	90.5	90.4	88.1	86.0	84.7	83.8	83.4	82.3	80.3						119.2
TAPE		400	88.6	85.8	88.0	88.6	86.8	86.5	85.3	82.8	81.2	79.6	77.0						117.8
BAR 30.0 HG		500	85.8	86.0	85.8	86.9	84.6	82.8	81.5	80.1	78.9	77.4	75.3						115.2
(01305. N/M2)		630	85.8	85.5	85.6	86.2	83.8	83.1	81.3	79.1	77.5	75.1	73.3						114.8
TAMB 76. DEG F		800	85.3	85.0	84.6	84.9	83.6	81.8	80.0	78.1	76.5	74.4	71.5						113.7
(299. DEG K)		1000	83.6	82.3	81.6	82.4	80.1	78.5	77.2	75.6	74.0	71.9	70.0						110.8
TRET 74. DEG F		1250	81.1	80.6	80.1	85.2	80.1	79.3	77.2	75.4	73.5	71.7	69.0						111.4
(296. DEG K)		1600	79.4	80.3	81.2	82.2	80.6	79.0	77.0	76.6	72.8	71.5	69.3						110.6
HACT 19.72 GK/M3		2000	81.9	82.3	80.3	81.7	79.9	78.3	76.2	75.6	71.5	69.5	67.8						110.1
(01972 KG/M3)		2500	86.6	86.3	86.0	84.0	82.6	81.2	79.4	76.9	75.1	73.0	71.0						113.4
NFA 11198. RPM		3150	104.8	102.1	104.0	99.2	99.8	95.2	92.7	91.1	88.3	86.0	83.2						129.3
(1172. RAD/SEC)		4000	95.3	93.7	93.9	90.4	90.5	86.4	84.1	82.3	79.5	77.5	75.1						120.1
NFK 10998. RPM		5000	90.5	89.7	89.1	88.3	85.7	84.5	83.7	80.7	78.4	76.2	73.6						117.0
(1152. RAD/SEC)		6300	96.6	100.2	101.4	98.2	95.6	96.3	92.2	89.4	87.0	84.5	81.7						122.5
NFD 11517. RPM		8000	91.4	93.8	94.7	92.9	91.7	90.4	87.6	86.0	82.9	80.2	77.2						122.2
(1206. RAD/SEC)		10000	95.6	97.1	97.5	97.3	97.0	95.1	94.3	91.2	89.3	86.1	82.3						127.1
NG. OF BLADES 18		12500	95.8	96.1	96.4	96.0	96.5	95.5	93.3	91.2	89.1	85.0	81.5						126.8
FAN TIP SPEED		16000	94.2	93.4	93.9	95.4	94.4	93.6	91.9	89.0	88.1	83.0	78.9						125.4
978. FT/SEC		20000	93.5	93.1	94.0	94.0	93.6	93.3	91.6	88.9	87.9	83.1	78.6						125.3
		25000	92.2	92.1	91.8	92.9	92.7	91.9	91.0	88.0	86.5	82.6	76.7						124.8
		31500	89.9	90.1	89.8	91.4	91.3	90.0	88.9	86.8	85.1	80.5	75.3						124.0
		40000	85.6	86.2	85.4	87.8	87.1	85.8	84.8	82.4	82.2	76.5	72.1						121.4
		50000	80.5	80.7	80.6	83.5	81.7	80.5	80.9	78.1	78.2	71.4	67.9						118.6
		63000	72.4	72.7	72.8	75.5	73.6	72.5	73.4	71.0	70.2	64.2	62.3						113.5
		80000	69.8	69.5	68.2	70.9	69.6	70.0	70.4	69.8	61.4	57.8	60.5						113.9
OVERALL MEASURED																			
OVERALL CALCULATED		107.9	107.3	108.3	106.4	105.8	104.1	102.2	99.9	98.1	94.9	91.7						136.6	
PNDP		121.9	120.4	121.6	118.5	118.1	114.9	112.7	111.0	108.6	106.4	103.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 76 PERCENT REL. HUM. DAY)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ. (0.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.	0.
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.)
50	38.5	45.9	54.1	54.5	54.7	53.8	54.6	54.5	54.0	53.1	
63	43.9	51.4	58.0	56.9	58.9	59.9	60.2	59.3	58.8	54.9	
SIDELINE 500. FT. (152.40 M)	48.1	55.9	60.1	61.3	62.7	62.9	63.7	64.1	62.6	60.4	
100	52.1	59.1	63.7	64.3	64.2	64.2	64.0	64.1	63.2	61.0	
NFA 3154. RPM ( 330. RAD/SEC)	48.4	56.1	61.6	62.8	64.4	64.4	62.8	61.7	60.3	57.6	
160	44.9	53.3	59.4	60.2	60.4	60.4	59.9	59.2	57.8	55.6	
NFK 3098. RPM ( 324. RAD/SEC)	43.6	52.5	58.3	59.1	60.4	60.0	58.7	57.6	55.4	53.4	
200	42.2	51.0	56.6	58.5	58.9	58.5	57.5	56.3	54.4	51.4	
NFD 3244. RPM ( 340. RAD/SEC)	38.6	47.3	53.7	54.7	55.3	55.5	54.7	53.6	51.7	49.7	
250	35.8	45.2	56.0	54.3	55.7	55.2	54.3	52.9	51.3	48.5	
AIRFLOW RATIO WF/WK 12.60	34.6	46.3	52.5	54.5	54.6	54.6	55.3	52.0	50.8	48.5	
630	35.4	44.0	51.5	53.3	54.1	53.6	54.0	50.5	48.6	46.7	
800	38.0	48.9	53.1	55.6	56.6	56.4	54.9	53.7	51.8	49.6	
VEHICLE UTMSIM 1000	52.3	66.0	67.7	72.3	70.2	69.3	68.8	66.6	64.5	61.5	
CONFIG R+2 1250	42.3	54.9	58.2	62.4	60.9	60.3	59.7	57.5	55.7	53.1	
LOC SCHENECTADY 1600	36.0	48.8	55.3	56.9	58.5	59.5	57.6	56.0	53.9	51.1	
DATE 7/17/75 2000	44.1	59.7	64.3	66.2	69.7	67.4	65.9	64.1	61.8	58.8	
RUN: 40/8 2500	35.1	51.7	58.1	61.6	63.3	62.5	62.0	59.6	57.1	53.9	
TAPE 3150	34.2	52.5	61.1	65.8	67.1	68.4	66.6	65.4	62.4	58.4	
FAH TIP SPEED 4000	26.9	48.3	57.8	63.9	66.3	66.3	65.6	64.2	60.4	56.7	
978. FT/SEC 5000	20.8	44.2	56.3	61.0	63.9	64.5	63.0	62.9	58.0	53.7	
6300	9.9	39.1	51.5	57.7	61.5	62.4	61.3	61.2	56.7	51.9	
8000		29.0	45.0	52.9	56.8	59.0	57.9	57.4	53.9	47.7	
10000		16.0	36.3	45.9	50.6	53.1	53.2	52.8	48.6	43.0	
OVERALL CALCULATED	58.1	69.2	73.4	76.4	77.1	76.8	75.9	74.7	72.4	69.5	
PNDP	63.0	77.9	84.0	87.9	89.4	89.9	88.6	87.4	84.5	80.8	

50	49.0	55.7	63.1	63.1	63.1	62.1	62.9	62.7	62.2	61.3	
63	54.5	61.5	67.2	65.7	67.5	68.3	68.6	67.6	65.2	63.2	
SIDELINE 200. FT. ( 60.96 M)	59.1	66.3	69.6	70.3	71.4	71.5	72.2	72.5	71.1	68.9	
100	63.4	69.8	73.4	73.5	73.1	72.9	72.7	72.7	71.8	69.6	
125	60.0	67.1	71.5	72.1	73.5	73.3	71.6	70.4	69.0	66.3	
160	56.8	64.6	69.8	69.8	69.6	69.5	68.8	68.1	66.7	64.4	
200	55.8	64.1	68.7	68.9	69.8	69.1	67.7	66.5	64.3	62.4	
250	54.8	62.9	67.3	68.5	68.4	67.8	66.7	65.5	63.5	60.5	
315	51.6	59.6	64.6	64.9	65.1	64.9	64.1	62.9	60.9	59.0	
400	49.3	57.8	62.2	64.7	65.7	64.8	63.7	62.3	60.7	57.9	
500	48.5	59.3	64.1	65.1	65.3	64.5	64.9	61.5	60.4	58.0	
630	49.9	57.5	63.6	64.2	64.4	63.6	63.8	60.2	58.3	56.4	
800	53.2	62.9	65.4	66.8	67.3	66.7	65.0	63.6	61.7	59.6	
1000	68.3	80.5	80.4	83.8	81.1	79.8	79.1	76.7	74.6	71.7	
1250	59.1	70.0	71.3	74.3	72.1	71.1	70.2	67.8	66.0	63.5	
1600	54.1	64.7	68.9	69.2	70.0	70.6	68.4	66.6	64.5	61.7	
2000	63.5	76.5	78.5	79.0	81.6	78.9	77.0	75.1	72.7	69.8	
2500	56.1	69.3	72.8	74.8	75.6	74.2	73.5	70.8	68.3	65.1	
3150	57.8	71.4	76.8	79.8	80.0	80.7	78.5	77.1	74.1	70.1	
4000	54.4	69.1	74.9	78.8	80.1	79.3	78.2	76.6	72.7	69.1	
5000	50.6	66.2	74.1	76.6	78.2	78.0	76.0	75.7	70.8	66.5	
6300	46.3	64.5	71.6	75.1	77.3	77.3	75.6	75.2	70.6	65.9	
8000	39.2	59.5	68.7	73.0	74.9	75.9	74.0	73.2	69.5	63.4	
10000	28.6	53.7	64.8	69.9	71.9	72.8	72.0	71.1	66.7	61.3	
OVERALL CALCULATED	72.5	83.8	86.4	88.8	89.1	88.5	87.1	85.8	83.0	79.8	
PNDP	82.2	94.9	99.1	101.6	102.2	102.2	100.5	99.1	96.1	92.4	

Run 40/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 28 HR. 14.2														
MODEL SOUND PRESSURE LEVELS (59, DEG. F. 70 PERCENTY REL. HUM. DAV)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	PWL				
(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
RADIAL 17. FT.	50															
( 5. M)	63															
VEHICLE UTMSIM	100	70.6	70.8	69.8	68.1	66.1	66.8	69.3	71.0	72.4	73.1	72.8				104.2
CCNFIC B+2	125	78.3	78.5	77.3	76.1	75.8	74.5	73.0	73.3	74.2	74.1	73.8				107.8
LUC SCHENECTADY	160	78.3	76.3	75.5	77.6	78.6	75.5	74.0	73.8	73.4	72.6	73.1				107.8
DATE 7/17/75	200	79.6	82.5	82.0	81.4	79.6	79.8	79.5	79.0	77.7	75.3	73.3				112.0
RUN 40/9	250	87.8	87.0	86.8	86.1	84.6	83.8	83.2	83.0	82.9	81.3	79.3				118.7
TAPE	315	90.8	91.3	89.5	89.4	87.6	85.5	83.7	83.3	82.4	81.8	79.5				118.5
BAP 30.0 HG	400	87.8	88.0	87.3	87.9	86.6	85.8	84.8	82.6	80.7	79.6	77.0				117.3
(01305, N/M2)	500	85.6	85.5	85.3	85.4	83.1	81.5	80.5	79.6	78.2	76.6	74.5				114.2
TAPB 78. DEG F	630	84.3	84.5	84.1	83.9	82.8	81.6	79.8	77.8	75.7	73.9	71.3				113.1
(299, DEG K)	800	84.3	84.0	82.6	82.9	81.8	80.5	79.5	77.3	76.2	73.9	71.5				112.4
T-ET 74. DEG F	1050	83.8	82.5	79.8	79.6	79.6	79.0	78.5	75.6	74.5	72.6	70.5				110.5
(296, DEG K)	1250	80.1	80.3	80.3	80.9	80.1	79.3	78.2	75.6	73.7	72.2	69.3				110.5
HACT19.72 GH/M3	1600	80.9	80.8	81.8	81.7	80.6	78.8	78.5	74.9	73.8	71.7	69.5				110.8
(01972 KG/M3)	2000	82.6	83.6	81.3	81.5	80.1	78.0	78.0	74.4	71.8	70.5	68.3				110.5
NFA 11607. RPM	2500	86.6	87.1	87.3	85.0	82.6	80.5	79.4	77.1	75.3	73.3	71.0				113.8
(1215, RAD/SEC)	3150	103.3	99.8	100.0	96.2	96.8	95.5	93.7	92.4	89.6	85.8	85.0				127.4
NFK 11400. RPM	4000	100.0	97.0	96.9	93.4	94.2	92.1	90.3	89.3	86.5	82.7	82.4				124.5
(1194, RAD/SEC)	5000	89.2	88.2	87.8	88.3	85.7	84.5	83.2	80.7	78.2	75.7	72.8				116.6
NFD 11517. RPM	6300	93.6	95.2	95.1	94.7	95.1	92.8	93.7	91.4	87.8	85.9	82.7				125.4
(1206, RAD/SEC)	8000	91.7	93.8	95.2	93.6	93.7	92.4	91.4	89.3	86.1	83.4	80.2				124.1
NO. OF BLADES 18	10000	97.6	97.1	98.3	97.5	97.2	95.3	94.1	91.2	89.6	86.6	82.8				127.4
FAN TIP SPEED	12500	96.8	95.1	95.9	96.8	95.8	94.8	93.0	90.7	89.1	84.8	81.3				128.4
1013. FT/SEC	15000	94.4	93.9	93.6	95.7	94.4	93.6	92.2	89.5	88.8	84.0	79.7				125.6
	20000	92.7	93.1	93.5	94.5	93.6	93.1	91.9	88.9	86.2	83.9	79.1				125.4
	25000	91.2	91.6	91.3	92.6	93.0	91.9	90.8	87.7	86.5	82.6	77.2				124.7
	31500	89.2	89.9	89.6	91.4	90.8	90.0	88.4	86.3	85.1	81.0	75.5				123.8
	40000	85.1	85.9	84.7	87.3	86.8	85.0	84.6	81.9	81.7	76.7	72.1				121.0
	50000	80.5	80.2	80.1	82.8	80.9	79.7	80.2	77.8	78.0	71.4	66.1				118.0
	63000	72.2	72.2	72.3	75.2	72.9	72.0	72.9	71.2	70.0	63.7	62.5				113.1
	80000	69.8	69.5	68.2	70.9	69.6	70.0	70.4	69.8	61.7	57.8	60.5				113.9
OVERALL MEASURED																
OVERALL CALCULATED		107.7	106.2	106.5	105.7	105.3	103.9	102.8	100.6	98.7	95.4	92.6				136.3
PNDP		121.1	119.0	119.1	116.8	116.6	115.1	113.8	112.2	109.7	106.7	105.2				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59, DEG. F., 70 PERCENT REL. HUM. DAT)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.92)	12.10)	12.27)	12.45)	12.62)	12.80)
SIDELINE 500. FT.	38.8	45.7	52.1	53.7	54.4	54.1	54.6	54.7	54.0	54.3						
(152.40 M)																
NFA 3269. RPM	44.4	51.7	55.5	56.4	56.4	59.4	59.7	58.8	56.6	54.4						
( 342. RAD/SEC)																
NFK 3211. RPM	48.1	55.9	59.8	61.1	62.2	62.9	63.5	63.8	62.4	60.2						
( 336. RAD/SEC)																
NFD 3244. RPM	51.6	58.1	62.7	63.8	63.7	63.2	63.5	63.1	62.7	60.2						
( 340. RAD/SEC)																
AIRFLOW RATIO	47.7	55.4	60.9	62.5	63.7	63.9	62.6	61.2	60.3	57.6						
WF/WM 12.60																
VEHICLE UTWSIM 1000	44.4	52.8	57.9	58.7	59.1	59.4	59.4	58.5	57.1	54.8						
CONFIG R+2 1250	42.6	51.0	56.1	58.1	58.9	58.5	57.4	55.8	54.1	51.4						
LOC SCHENECTADY 1600	41.2	49.0	54.6	56.8	57.6	58.0	56.7	56.1	53.9	51.4						
DATE 7/17/75 2000	38.8	45.6	50.9	54.2	55.6	56.7	54.7	54.1	52.5	50.2						
RLN 40/9 2500	35.6	45.4	51.7	54.3	55.7	56.2	54.5	53.2	51.8	48.7						
TAPE 3150	35.1	46.3	52.0	54.5	54.9	56.1	53.5	53.0	51.1	48.7						
FAN TIP SPEED 4000	36.6	45.0	51.2	53.5	53.8	55.3	52.7	50.7	49.6	47.2						
1013. FT/SEC 5000	38.8	50.1	54.1	55.6	55.9	56.4	55.2	53.9	52.1	49.6						
6300	50.0	62.0	64.7	69.3	70.4	70.3	70.1	67.9	64.3	63.3						
8000	45.5	57.9	61.2	66.2	66.7	67.1	66.7	64.5	60.9	60.4						
10000	47.5	47.5	55.3	56.9	58.5	59.0	57.6	55.7	53.4	50.3						
OVERALL CALCULATED PND8	39.1	54.5	60.8	65.7	66.2	68.9	67.9	64.9	63.1	59.8						
	35.1	52.2	58.8	63.6	65.3	66.2	65.3	62.8	60.4	56.9						
	34.2	53.3	61.4	66.1	67.4	68.1	66.6	65.7	62.9	58.9						
	25.9	47.8	58.6	63.1	65.6	66.0	65.1	64.2	60.2	56.4						
	21.3	44.0	56.5	61.0	63.9	64.7	63.5	63.7	59.0	54.5						
	9.9	38.6	52.0	57.7	61.2	62.7	61.3	61.5	57.5	52.4						
		28.5	44.8	53.1	56.8	58.8	57.6	57.4	53.9	48.2						
		15.7	36.3	45.4	50.6	52.6	52.7	52.8	49.1	43.2						
	57.3	67.2	72.1	75.7	76.9	77.5	76.8	75.4	72.8	70.3						
	61.7	76.0	83.6	87.9	89.4	90.3	89.1	87.9	85.1	81.5						
	49.2	55.5	61.1	62.3	62.8	62.4	62.9	62.9	62.2	62.6						
	55.0	61.8	64.7	65.2	67.0	67.8	68.1	67.1	64.9	62.7						
SIDELINE 200. FT.	59.1	66.3	69.3	70.1	70.9	71.5	72.0	72.3	70.8	68.6						
( 60.96 M)																
100	62.9	68.8	72.4	73.0	72.6	71.9	72.2	71.7	71.3	68.8						
125	59.2	66.4	70.8	71.9	72.7	72.8	71.4	69.9	69.0	66.3						
160	56.3	64.1	68.1	68.3	68.4	68.5	68.3	67.3	65.9	63.7						
200	54.8	62.6	66.5	67.9	68.3	67.6	66.5	64.8	63.1	60.4						
250	53.8	60.9	65.3	66.8	67.2	67.3	65.9	65.2	63.0	60.5						
315	51.8	57.9	61.9	64.4	65.6	66.2	64.1	63.4	61.7	59.5						
400	49.1	58.1	63.0	64.7	65.7	65.8	64.0	62.6	61.2	58.1						
500	49.0	59.3	63.6	65.1	65.1	66.0	63.2	62.5	60.6	58.3						
630	51.2	58.5	63.1	64.5	64.2	65.4	62.6	60.4	59.3	56.9						
800	54.0	64.1	68.4	68.8	66.5	66.7	65.2	63.8	62.0	59.6						
1000	66.0	76.5	77.4	80.8	81.3	80.8	80.3	78.0	74.4	73.4						
1250	62.4	73.0	74.3	78.1	77.8	77.8	77.2	74.8	71.2	70.7						
1600	52.6	63.4	68.9	69.2	70.0	70.1	68.4	66.4	64.0	61.0						
2000	58.9	71.2	75.0	78.5	78.1	80.4	79.0	75.8	74.0	70.8						
2500	56.1	69.8	73.6	76.8	77.6	75.0	76.7	74.1	71.6	68.1						
3150	57.8	72.1	77.1	80.0	80.3	80.4	78.5	77.4	74.6	70.6						
4000	53.4	68.6	75.6	78.1	79.3	79.1	77.7	76.8	72.5	68.8						
5000	51.1	66.0	74.3	76.6	78.2	78.2	76.5	76.4	71.8	67.3						
6300	46.3	64.0	72.1	75.1	77.0	77.5	75.6	75.5	71.3	66.4						
8000	38.7	59.0	68.4	73.3	74.9	75.7	73.8	73.2	69.5	63.9						
10000	28.4	53.4	64.8	69.4	71.9	72.3	71.5	71.1	67.2	61.5						
OVERALL CALCULATED PND8	71.4	81.8	85.5	88.3	88.9	89.2	88.0	86.5	83.5	80.7						
	80.6	93.9	98.9	101.7	102.3	102.5	100.9	99.7	96.8	93.2						

ORIGINAL PAGE IS OF POOR QUALITY



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT SPL, MVM, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.					
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	38.3	45.2	51.4	53.5	54.2	53.3	54.1	54.5	54.0	54.3						
	63	44.1	51.7	55.3	56.4	56.7	56.6	59.7	58.8	56.3	53.9						
SIDELINE 500. FT.	80	47.3	55.1	59.1	60.6	61.4	62.1	62.5	62.8	61.4	59.4						
(152.40 M)	100	50.9	57.9	62.5	63.1	63.2	63.2	62.8	63.1	62.2	60.0						
NFA 3304. RPM	125	47.9	55.9	60.6	62.8	64.2	63.7	63.1	61.0	60.5	58.1						
( 346. RAD/SEC)	160	44.4	52.6	57.7	58.4	59.1	58.9	58.6	58.0	56.3	54.3						
NFK 3245. RPM	200	42.6	50.8	55.3	57.1	58.6	58.0	57.2	56.1	53.4	51.7						
( 340. RAD/SEC)	250	40.0	49.2	54.4	57.3	57.4	58.0	56.7	55.8	53.7	51.4						
NFD 3244. RPM	315	38.6	45.1	50.7	54.2	55.8	55.7	54.7	54.1	52.5	50.2						
( 340. RAD/SEC)	400	36.1	45.7	51.7	54.3	55.2	55.4	54.0	53.4	52.0	48.7						
AIRFLOW RATIO	500	35.1	45.8	52.3	54.5	54.7	54.6	53.3	52.2	50.3	48.5						
WF/WM 12.60	630	36.6	45.0	50.7	53.0	53.8	53.6	52.5	51.0	49.1	46.7						
	850	38.3	49.9	54.4	55.1	56.4	56.2	54.9	53.4	51.6	48.9						
VEHICLE UTMSIM	1050	49.5	60.0	64.5	68.8	69.7	69.3	66.8	65.9	63.3	60.0						
CONFIG R+2	1250	47.0	58.9	63.7	67.4	68.9	68.3	66.2	65.2	62.4	59.4						
LCC SCHENECTADY	1600	34.5	47.3	54.5	56.7	58.5	58.7	57.1	55.7	52.7	50.1						
DATE 7/17/75	2000	39.1	55.0	59.5	63.7	65.7	67.7	64.4	63.6	60.3	57.8						
RUN 40/10	2500	36.4	53.2	59.3	63.6	65.1	67.0	64.0	63.1	60.1	56.9						
TAPE	3150	34.0	52.3	61.1	66.1	67.9	68.1	66.6	65.4	62.4	58.9						
FAN TIP SPEED	4000	25.7	47.3	58.1	62.4	65.1	66.3	64.6	63.7	59.7	55.7						
1024. FT/SEC	5000	21.5	43.7	57.0	60.8	63.6	64.7	63.0	63.7	59.0	54.2						
	6300	10.2	38.4	51.7	57.7	61.2	61.9	61.3	62.0	57.2	52.4						
	8000		28.2	45.0	52.6	56.1	58.0	57.6	57.7	53.6	48.4						
	10000		15.2	36.0	44.9	50.1	51.8	52.7	52.6	48.9	43.2						
OVERALL CALCULATED		57.1	66.7	72.1	75.4	76.9	77.3	75.6	74.9	72.3	69.4						
PND8		61.5	75.5	83.5	87.7	89.6	90.1	88.6	87.7	84.6	81.2						
	50	48.7	55.0	60.4	62.1	62.6	61.6	62.4	62.7	62.2	62.6						
	63	54.8	61.8	64.5	65.2	67.2	67.1	68.1	67.1	64.7	62.2						
SIDELINE 200. FT.	80	58.3	65.5	68.6	69.6	70.1	70.7	71.0	71.3	69.8	67.9						
( 60.96 M)	100	62.2	68.6	72.2	72.2	72.1	71.9	71.4	71.7	70.8	68.8						
	125	59.5	66.9	70.5	72.1	73.2	72.6	71.9	69.7	69.2	66.8						
	160	56.3	63.9	67.9	68.0	68.4	68.0	67.5	66.8	65.2	63.2						
	200	54.8	62.4	65.7	66.9	68.0	67.1	66.2	65.0	62.3	60.6						
	250	52.6	61.1	65.1	67.3	66.9	67.3	65.9	65.0	62.8	60.5						
	315	51.6	57.4	61.6	64.4	65.6	65.2	64.1	63.4	61.7	59.5						
	400	49.6	58.2	63.0	64.7	65.2	65.1	63.5	62.8	61.4	58.1						
	500	49.0	56.8	61.8	65.1	64.8	64.5	62.9	61.8	59.9	58.0						
	630	51.2	58.5	62.6	64.0	64.2	63.6	62.3	60.7	58.8	56.4						
	800	53.5	63.9	66.6	66.3	67.0	66.5	65.0	63.3	61.5	58.8						
	1000	65.5	74.5	77.1	80.3	80.6	79.8	77.1	76.0	73.4	70.2						
	1250	63.9	74.0	76.8	79.3	80.1	79.1	76.7	75.6	72.7	69.7						
	1600	52.6	63.2	68.2	69.0	70.0	69.8	67.9	66.4	63.3	60.7						
	2000	58.5	71.7	73.7	76.5	77.6	79.1	75.5	74.6	71.2	68.8						
	2500	57.4	70.8	74.1	76.8	77.4	78.7	75.5	74.3	71.3	68.1						
	3150	57.6	71.1	76.8	80.0	80.8	80.4	78.5	77.1	74.1	70.0						
	4000	53.2	68.1	75.1	77.3	78.8	79.3	77.2	76.1	72.0	68.1						
	5000	51.3	65.7	74.8	76.4	77.9	78.2	76.0	76.4	71.8	67.0						
	6300	46.6	63.7	71.8	75.1	77.0	76.8	75.6	76.0	71.1	66.4						
	8000	38.7	58.7	68.7	72.8	74.2	74.9	73.8	73.4	69.3	64.2						
	10000	28.4	52.9	64.3	68.9	71.4	71.6	71.5	70.8	67.0	61.5						
OVERALL CALCULATED		71.3	81.4	85.5	88.0	88.9	88.9	86.9	86.1	83.0	79.8						
PND8		80.7	93.4	98.8	101.5	102.4	102.3	100.4	99.4	96.3	92.8						



Run 40/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 3 DAY 20 HR. 14.4

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENTY REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)												PWL					
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.		0.	0.	0.	0.	0.
	50	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	63	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	80	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.																			
( 5. M)																			
VEHICLE	UTWSIM	125	76.6	76.8	75.5	74.4	74.1	72.8	71.8	72.5	73.4	73.6	72.8						101.7
CONFIG	N+2	160	76.3	74.5	73.8	75.6	75.1	73.5	72.3	72.8	72.2	71.4	72.6						106.6
LOC	SCHENECTADY	200	79.1	83.0	82.5	80.8	79.1	80.0	78.8	80.3	78.2	75.8	72.5						106.4
DATE	7/17/75	250	36.3	85.5	85.0	84.4	83.1	82.0	81.2	81.0	81.4	79.3	77.5						112.1
RUN	40/11	315	89.6	90.0	88.5	88.4	86.6	84.5	82.5	82.5	81.9	80.8	78.5						114.9
TAPE		400	88.1	88.3	87.3	87.4	86.6	85.3	83.8	81.6	79.9	78.9	76.8						117.5
EAR	30.0 HG	500	86.3	85.5	85.6	85.1	82.8	81.0	80.0	78.6	76.7	75.1	73.5						116.9
	(01305. N/M2)	630	85.6	85.5	84.3	84.7	83.3	81.6	80.8	77.8	76.0	73.9	71.6						113.8
TAMP	79. DEG F	800	83.8	83.3	82.6	82.6	82.3	81.5	79.7	78.6	77.5	75.9	73.0						113.6
	(299. DEG K)	1000	82.6	81.8	79.1	79.9	81.1	81.0	78.5	76.6	75.5	73.9	71.5						112.9
TWET	73. DEG F	1250	79.8	81.3	81.1	81.4	80.3	79.5	78.0	76.1	75.2	73.2	70.5						111.3
	(296. DEG K)	1600	82.2	82.1	81.3	82.2	80.4	78.8	78.0	75.8	74.0	72.2	70.3						111.0
HACT	18.46 GM/M3	2030	83.6	85.3	82.8	81.7	79.9	78.0	76.7	74.9	72.5	70.8	68.8						111.0
	(.01846 KG/M3)	2530	86.6	87.6	88.8	86.0	83.9	81.5	79.9	77.6	75.6	73.5	71.8						110.9
NFA	12146. RPM	3150	95.3	94.6	94.8	94.2	94.1	93.0	90.7	86.1	84.8	81.0	81.2						114.8
	(1272. RAD/SEC)	4000	100.8	100.5	101.4	100.6	100.7	99.6	97.6	92.6	90.5	87.5	87.4						123.7
NFK	11918. RPM	5000	88.5	88.7	89.1	88.5	87.2	85.8	84.0	82.0	79.2	76.4	74.6						130.3
	(1248. RAD/SEC)	6300	91.6	92.5	92.9	92.0	91.6	91.3	89.2	86.4	84.3	81.5	78.7						117.6
NFD	11517. RPM	8000	95.2	96.3	96.4	96.1	95.7	95.7	93.9	90.8	88.6	85.2	82.4						122.1
	(1206. RAD/SEC)	10000	97.6	96.6	96.5	97.3	96.2	95.8	93.8	91.2	89.3	86.4	82.8						126.4
NO. OF BLADES	18	12500	95.8	96.1	95.1	97.3	95.5	94.3	93.3	90.5	88.9	85.5	81.3						126.9
FAN TIP SPEED	16000	16000	94.7	94.7	93.4	96.5	94.7	93.7	92.2	89.8	88.9	84.7	80.7						126.4
	1066. FT/SEC	20000	93.5	93.4	93.5	94.6	93.9	92.6	91.2	88.9	88.5	84.2	79.7						125.9
		25000	91.5	91.7	91.3	92.9	92.5	90.9	90.1	87.8	86.3	83.4	77.8						125.3
		31500	89.5	90.0	88.9	91.5	90.9	89.6	87.3	86.4	85.0	80.9	76.1						124.4
		40000	85.5	85.8	84.6	87.0	86.7	84.4	84.0	82.0	81.4	76.4	72.8						123.6
		50000	80.5	81.0	80.1	82.3	80.9	79.2	79.7	77.1	77.7	71.6	68.9						120.7
		63000	72.2	72.3	72.1	75.1	72.7	71.4	72.5	71.1	69.6	63.8	62.9						117.7
		80000	70.3	70.0	68.7	71.4	70.1	70.4	70.9	70.3	61.6	58.2	61.0						112.9
		OVERALL MEASURED																	114.6
		OVERALL CALCULATED	106.3	106.3	106.3	106.6	106.0	105.0	103.3	100.2	98.7	95.9	93.0						136.7
		PNCB	119.3	119.2	119.7	119.0	118.7	117.6	115.7	111.9	110.8	107.3	106.4						

## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT WEL. NUM. WAY)

	ANGLES FROM INLET IN DEGREES (AND RADIAN)S														
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.				
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	10. 1)	10. 3)	10. 5)	10. 7)	10. 9)
SIDELINE 500. FT. (152.40 M)	50	37.0	43.9	50.1	52.2	52.4	52.3	53.6	53.5	52.8	53.8				
NFA 3421. RPM (358. RAD/SEC)	63	44.9	52.2	54.8	55.9	58.7	58.6	60.9	59.3	57.1	53.7				
NFK 3357. RPM (351. RAD/SEC)	80	45.6	54.1	58.1	59.6	60.4	60.9	61.5	62.3	60.4	58.4				
NFD 3244. RPM (340. RAD/SEC)	100	50.4	57.1	61.7	62.8	62.7	61.9	62.8	62.6	61.7	59.2				
AIRFLOW RATIO NF/NM 12.60	125	47.9	55.4	60.4	62.5	63.2	62.9	61.6	60.5	59.5	57.3				
VEHICLE UT*SIM CONFIG 6*2	160	44.4	53.1	57.7	58.4	58.6	58.9	58.4	57.0	55.6	53.8				
LOC SCHENECTADY	200	43.6	51.3	56.8	58.6	58.9	59.5	57.4	56.1	54.1	51.7				
DATE 7/17/75	250	40.5	49.0	54.4	57.3	58.6	58.2	58.0	57.3	55.9	52.9				
RUN 40/11	315	38.1	44.8	51.2	55.7	57.8	56.7	55.7	55.1	53.7	51.2				
TAPE	400	36.6	46.2	52.2	54.6	56.0	55.9	55.0	54.7	52.8	50.0				
FAN TIP SPEED 1060. FT/SEC	500	36.3	45.8	52.5	54.2	54.9	55.6	54.3	53.2	51.6	49.5				
OVERALL CALCULATED PNDB	630	38.4	46.5	51.5	53.3	53.8	54.1	53.2	51.5	49.9	47.7				
	800	46.3	57.6	63.4	67.1	68.4	67.7	64.2	63.4	59.9	59.9				
	1000	50.7	63.4	69.2	73.3	74.6	74.2	70.3	68.8	66.0	65.7				
	1250	37.2	50.1	56.5	59.2	60.3	60.3	59.4	57.2	54.6	52.6				
	1600	38.8	52.6	59.0	63.0	65.3	65.0	63.4	61.9	59.3	56.3				
	2000	40.3	54.9	62.3	66.3	69.2	69.2	67.3	65.8	62.6	59.6				
	2500	38.0	53.7	62.6	66.3	68.9	68.8	67.4	66.2	63.5	59.7				
	3150	33.4	50.3	61.4	64.6	66.5	67.6	66.1	65.2	62.1	57.6				
	4000	25.8	45.7	58.6	62.3	64.8	65.5	64.5	64.3	60.5	56.2				
	5000	21.3	44.3	55.8	61.0	63.3	64.2	63.4	63.7	59.7	54.9				
	6300	9.1	37.2	51.9	57.3	59.8	61.5	60.8	60.2	57.7	51.7				
	8000		27.1	44.6	51.9	55.5	56.2	57.2	56.8	53.1	48.0				
	10000		12.1	33.2	42.8	46.3	49.6	49.9	50.5	45.9	41.8				
	OVERALL CALCULATED PNDB	57.2	67.5	73.7	77.2	78.9	78.8	76.8	75.8	73.1	70.9				
	50	47.5	53.7	59.1	60.8	60.8	60.6	61.9	61.7	61.0	62.1				
	63	55.5	62.3	64.0	64.7	67.2	67.1	69.3	67.6	65.4	62.0				
	80	57.6	64.5	67.6	68.6	69.1	69.5	70.0	70.8	68.8	66.9				
	100	61.7	67.8	71.4	72.0	71.6	70.6	71.4	71.2	70.3	67.8				
	125	59.5	66.4	70.3	71.9	72.2	71.8	70.4	69.2	68.2	66.0				
	160	56.3	64.4	67.9	68.0	67.9	68.0	67.3	65.8	64.4	62.7				
	200	55.8	62.9	67.2	68.4	68.3	68.6	66.5	65.0	63.1	60.6				
	250	53.1	60.9	65.1	67.3	68.2	67.5	67.2	66.5	65.0	62.0				
	315	51.1	57.1	62.1	65.9	67.6	66.2	65.1	64.4	62.9	60.5				
	400	50.1	58.9	63.5	65.0	65.9	65.6	64.5	64.1	62.2	59.4				
	500	50.3	58.8	64.1	64.9	65.1	65.5	63.9	62.8	61.1	59.0				
	630	52.9	60.0	63.4	64.2	64.2	64.1	63.1	61.2	59.6	57.4				
	800	61.5	71.6	75.6	78.3	79.0	77.9	74.2	73.4	69.8	69.8				
	1000	66.7	77.9	81.9	84.8	85.5	84.7	80.8	79.0	76.1	75.9				
	1250	54.1	65.2	69.5	71.0	71.5	71.0	69.9	67.6	65.0	62.9				
	1600	56.9	68.5	72.6	75.3	76.9	76.1	74.2	72.5	69.9	67.0				
	2000	59.7	71.6	76.5	79.1	81.1	80.7	78.4	76.8	73.5	70.8				
	2500	59.1	71.3	77.4	79.5	81.2	80.5	78.8	77.4	74.6	70.9				
	3150	57.0	69.2	77.0	78.6	79.4	79.9	78.0	76.9	73.7	69.3				
	4000	53.3	66.5	75.6	77.3	78.6	78.6	77.1	76.7	72.8	68.6				
	5000	51.0	66.3	73.7	76.6	77.6	77.7	76.4	76.5	72.4	67.7				
	6300	45.5	62.5	71.1	74.7	75.5	76.3	75.1	74.2	71.5	65.7				
	8000	37.9	57.6	68.2	72.1	73.6	73.1	73.3	72.6	68.7	63.8				
	10000	25.7	49.8	61.8	66.7	67.7	69.3	68.6	68.7	64.0	60.1				
	OVERALL CALCULATED PNDB	71.6	82.0	87.0	89.4	90.5	90.1	87.9	86.8	83.8	81.3				
	61.2	93.1	99.4	101.4	102.7	102.5	100.8	99.7	96.7	93.2					

ORIGINAL PAGE IS  
OF POOR QUALITY



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT  $\rho_L$ , HUM. NAT)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0. (0.17)	10. (0.35)	20. (0.52)	30. (0.70)	40. (0.87)	50. (1.05)	60. (1.22)	70. (1.40)	80. (1.57)	90. (1.75)	100. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
SIDELINE 500. FT. (152.40 M)	50	37.3	44.2	53.1	53.2	52.9	52.8	52.6	52.2	50.0	49.1						
	63	41.9	49.9	55.0	54.9	56.9	57.4	57.9	56.3	53.6	51.4						
	80	44.6	52.1	56.3	57.8	58.7	59.1	60.0	60.3	58.9	56.7						
NFA 1998. RPM ( 235. RAD/SEC)	100	48.1	55.4	60.2	60.3	59.9	59.7	60.3	59.9	59.0	57.5						
	125	42.7	50.6	56.4	57.5	57.9	57.2	58.1	53.7	53.9	50.8						
	160	42.4	50.3	55.4	56.7	56.9	56.7	55.6	55.0	53.6	51.1						
NFK 1940. RPM ( 205. RAD/SEC)	200	46.3	55.0	60.1	61.4	62.4	62.2	61.2	58.8	56.6	54.7						
	250	47.0	55.7	61.1	62.8	63.6	62.7	61.7	60.1	57.6	55.4						
NFD 3244. RPM ( 340. RAD/SEC)	315	43.8	53.3	58.7	60.9	60.8	59.7	58.7	57.1	55.0	51.7						
	400	41.1	51.2	57.2	59.3	59.7	58.7	57.5	56.2	53.6	50.2						
AIRFLOW RATIO WF/WH 12.60	500	38.8	48.5	54.7	56.9	57.4	56.4	55.2	53.9	51.5	48.0						
	630	46.9	58.0	66.0	68.0	67.6	64.6	64.2	62.7	60.1	57.4						
	800	38.0	49.1	57.9	59.8	59.4	58.4	56.4	54.7	52.6	50.1						
VEHICLE UTMSIM 1000 CONFIG C+1	1000	32.8	45.7	52.8	55.8	56.4	55.6	54.1	51.6	49.3	46.5						
	1250	49.8	52.4	58.7	61.7	62.9	62.3	59.7	57.0	53.9	51.1						
LOC SCHENECTAFY 1600	1600	35.0	46.5	56.0	58.4	59.0	58.7	56.4	53.2	50.7	49.1						
DATE 7/17/75	2000	36.9	52.0	58.8	61.7	62.4	61.4	59.1	55.6	53.3	51.0						
RUN 41/1	2500	32.9	48.7	57.8	60.4	60.3	59.7	58.0	54.8	51.9	49.6						
TAPE	3150	28.7	46.3	54.9	57.6	59.4	59.9	57.4	53.2	50.2	47.7						
FAN TIP SPEED 619. FT/SEC	4000	20.9	41.3	52.6	56.6	59.1	59.5	57.9	54.8	50.4	46.9						
	5000	16.3	38.8	51.5	55.6	58.4	58.5	57.8	54.2	48.3	45.5						
	6300	3.9	32.4	45.5	51.5	54.8	55.2	53.8	50.3	43.8	40.0						
	8000		21.8	37.8	45.7	49.6	50.6	48.9	45.0	38.7	34.5						
	10000		8.0	29.3	38.0	42.9	44.2	44.0	39.4	31.9	28.3						
OVERALL CALCULATED		55.7	65.1	71.6	73.6	74.1	73.2	72.1	70.3	68.1	65.7						
PND8		59.7	73.1	81.1	83.8	84.6	84.4	82.8	79.9	76.5	73.9						
SIDELINE 200. FT. ( 60.96 M)	50	47.7	54.0	62.1	61.8	61.3	60.9	60.9	60.4	58.2	57.3						
	63	52.5	60.0	64.2	63.7	65.5	65.8	66.3	64.6	61.9	59.7						
	80	55.6	62.5	65.8	66.8	67.4	67.7	68.5	68.8	67.3	65.1						
	100	59.4	66.1	69.9	69.5	68.8	68.4	68.9	68.5	67.5	66.1						
	125	54.2	61.6	66.3	66.9	67.0	66.1	64.8	62.4	61.7	59.5						
	160	54.3	61.6	65.6	66.3	66.1	65.7	64.5	63.8	62.4	59.9						
	200	58.6	66.6	70.5	71.1	71.8	71.4	70.2	67.8	65.6	63.6						
	250	59.6	67.6	71.8	72.8	73.2	72.0	70.9	69.2	67.0	64.5						
	315	56.8	65.6	69.6	71.1	70.6	69.2	68.1	66.4	64.2	61.0						
	400	54.6	63.9	68.5	69.8	67.7	68.3	67.0	65.6	63.2	59.6						
	500	52.8	61.6	66.3	67.6	67.6	66.2	64.9	63.5	61.1	57.5						
	630	61.4	71.5	77.9	79.0	77.9	74.9	74.1	72.4	69.8	67.2						
	800	53.2	63.1	70.1	71.0	70.0	68.7	66.5	64.6	62.5	60.1						
	1000	48.8	60.2	65.4	67.3	67.3	66.0	64.3	61.7	59.4	56.7						
	1250	57.6	67.5	71.8	73.6	74.1	73.1	70.2	67.3	64.2	61.5						
	1600	53.1	64.4	69.7	70.7	70.5	69.8	67.2	63.9	61.3	59.7						
	2000	56.3	68.7	73.0	74.5	74.4	72.9	70.2	66.6	64.2	62.0						
	2500	53.9	66.3	72.6	73.6	72.6	71.5	69.5	66.1	63.1	60.9						
	3150	52.3	65.1	70.6	71.5	72.3	72.2	69.3	64.9	61.8	59.4						
	4000	48.4	62.1	69.6	71.6	72.9	72.6	70.5	67.1	61.8	59.3						
	5000	46.1	60.7	69.4	71.1	72.7	72.0	70.8	67.0	61.0	58.3						
	6300	40.3	57.8	65.6	68.9	70.6	70.1	68.1	64.2	57.6	53.9						
	8000	31.5	52.3	61.5	65.8	67.7	67.5	65.1	60.7	54.3	50.2						
	10000	21.0	45.7	57.9	62.0	64.2	63.9	62.8	57.6	50.0	46.6						
OVERALL CALCULATED		69.0	78.6	83.9	85.1	85.1	84.0	82.4	80.1	77.6	75.2						
PND8		77.7	89.7	95.6	96.9	97.3	96.6	94.7	91.6	87.7	85.1						

## Run 41/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH Y DAY 20 HR. 14.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, EAV)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.
		FREQ. (0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
		50	63	80	100	125	150	180	200	250	315	400	500	630	800	1000	1250	1600
RADIAL 17. FT.		100	125	150	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000
( 5. MI)		100	125	150	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000
VEHICLE	UTHSIM	125	78.1	78.3	77.5	75.9	75.3	74.3	73.3	72.8	73.2	73.4	72.8	102.0				
CONFIG	C+1	150	78.1	76.3	75.8	77.9	77.1	75.8	74.0	72.8	72.4	70.1	70.3	107.4				
LCC	SCHENECTADY	200	78.6	81.0	80.8	80.1	79.1	79.0	78.5	78.3	76.4	73.3	71.5	107.4				
DATE	7/17/75	250	86.5	85.8	85.0	84.4	82.8	82.0	82.0	81.3	81.4	80.1	77.8	110.0				
RUN	41/2	315	90.1	90.5	89.3	88.9	86.8	84.0	83.0	82.5	81.9	80.6	78.8	115.1				
TAPE		400	86.1	86.3	85.8	85.9	84.6	83.3	81.3	79.1	76.9	75.8	73.8	117.8				
BAR	30.0 HG	500	84.8	84.8	84.3	84.7	82.8	81.3	79.5	78.1	76.7	74.6	73.0	114.8				
	(01305. N/M2)	630	90.1	90.5	89.6	89.9	88.1	87.1	85.0	82.8	80.5	77.9	75.6	113.4				
TAMB	81. DEG F	800	92.8	92.0	91.8	92.6	90.8	88.8	87.2	85.1	83.0	81.1	78.3	116.5				
	(300. DEG K)	1000	90.6	90.3	90.3	90.6	89.3	87.3	85.0	82.3	80.5	78.8	75.0	120.9				
TMET	74. DEG F	1250	89.1	89.1	89.8	90.4	88.8	87.0	85.0	82.6	80.2	77.9	74.8	119.0				
	(296. DEG K)	1600	84.1	82.1	86.6	87.0	86.1	83.8	81.7	78.6	76.5	75.2	72.8	118.7				
HACT	18.81 GH/M3	2000	85.6	86.6	86.6	87.2	84.6	83.3	82.2	79.1	78.5	74.8	71.5	115.0				
	(.01881 KG/M3)	2500	95.1	96.8	99.3	100.5	94.9	92.7	94.2	91.9	89.8	87.0	84.8	115.3				
NFA	8270. RPM	3150	84.1	84.8	86.0	86.9	85.6	84.0	82.2	79.6	76.3	74.0	71.7	127.3				
	( 866. RAD/SEC)	4000	86.0	86.2	86.7	87.9	86.7	85.4	83.1	80.3	76.7	74.5	72.4	115.4				
NFK	8100. RPM	5000	90.7	91.9	93.1	94.8	93.2	90.5	89.0	85.5	82.5	79.7	76.8	118.4				
	( 848. RAD/SEC)	6300	93.4	93.5	93.7	93.5	91.1	89.8	86.9	83.2	80.0	77.5	75.2	122.5				
NFC	11517. RPM	8000	96.2	95.8	95.2	96.9	94.2	91.7	89.2	86.3	82.6	79.9	76.9	121.5				
	(1206. RAD/SEC)	10000	93.6	94.4	94.5	95.8	94.5	91.6	88.8	85.8	82.1	78.4	75.4	124.2				
NO. OF BLADES	18	12500	92.0	92.9	92.6	94.3	93.1	91.6	90.6	86.8	83.9	78.8	75.9	123.8				
FAN TIP SPEED	16000	16000	91.9	91.7	91.7	94.0	93.2	91.7	89.5	86.5	84.1	77.5	74.0	123.4				
	722. FT/SEC	20000	91.3	91.2	91.5	92.6	92.2	91.6	89.2	86.2	83.5	76.4	72.7	123.4				
	25000	25000	87.8	89.0	88.1	89.7	89.5	88.7	86.8	83.8	80.0	73.4	69.8	123.2				
	31500	31500	85.3	86.3	85.5	88.0	87.1	86.6	84.5	82.4	78.5	70.4	65.7	121.0				
	40000	40000	82.0	82.6	81.9	84.3	84.0	82.4	81.3	78.0	74.7	65.7	61.3	119.8				
	50000	50000	78.2	78.5	77.6	79.8	78.2	77.0	76.4	72.8	70.0	60.4	59.1	117.8				
	63000	63000	76.8	71.6	70.6	72.8	70.5	69.4	70.0	68.3	62.9	56.8	58.9	114.4				
	80000	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	61.2	58.3	61.0	110.3				
OVERALL MEASURED														114.4				
OVERALL CALCULATED		104.4	104.8	105.2	106.3	104.1	102.3	100.9	98.2	95.7	92.6	90.1						
PNDB		116.2	117.1	118.3	119.3	119.8	113.7	113.4	111.0	108.7	106.3	103.9						134.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT SEL. MIN. DAY)

	FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.																			
SIDELINE 500. FT. (152.40 M)	50	38.8	45.9	52.4	54.2	54.7	54.1	53.6	53.7	51.5	51.6										
	63	42.9	50.4	54.3	55.9	57.7	58.4	58.9	57.5	54.6	52.7										
	80	46.8	54.1	58.1	59.3	60.4	61.6	61.7	62.3	61.1	58.7										
NFA 2329. RPM (244. RAD/SEC)	100	50.9	57.9	62.2	63.1	62.2	62.4	62.6	62.6	61.5	59.5										
	125	45.9	53.9	58.9	60.5	61.2	60.4	59.1	57.5	56.3	54.3										
NFK 2282. RPM (239. RAD/SEC)	160	43.6	51.8	57.2	58.4	58.9	58.4	57.9	57.0	55.1	53.3										
	200	48.6	56.5	62.1	63.4	64.4	63.7	62.4	60.6	58.1	55.7										
NFD 3244. RPM (340. RAD/SEC)	250	49.2	58.2	64.4	65.8	65.9	65.7	64.5	62.6	61.2	58.2										
	315	46.6	56.1	61.9	63.9	64.1	63.2	61.5	60.1	58.5	54.7										
AIRFLOW RATIO WF/WH 12.6C	400	44.3	54.9	61.2	63.1	63.5	62.9	61.5	59.7	57.5	54.2										
	500	41.3	51.0	57.5	60.0	59.9	59.9	57.6	55.7	54.6	51.2										
	630	49.9	63.0	70.3	68.3	68.6	71.6	70.3	68.7	66.1	63.7										
	800	36.5	48.9	56.1	58.6	59.4	59.2	57.7	54.9	52.9	50.4										
VEHICLE CONFIG UTSIM C+1	1000	36.5	48.7	56.5	59.3	60.4	59.7	58.1	55.1	53.0	50.7										
	1250	40.5	54.1	62.7	65.2	65.1	65.3	62.9	60.4	57.9	54.8										
LCC SCHENECTADY DATE 7/17/75	1600	39.8	53.4	60.5	62.5	63.6	62.8	60.1	57.6	55.3	52.6										
	2000	39.8	53.6	63.0	64.8	65.2	64.5	62.6	59.8	57.3	54.1										
RUN 41/2	2500	35.8	51.7	61.1	64.5	64.6	63.8	61.9	58.9	55.5	52.4										
TAPE	3150	30.2	47.8	58.4	62.1	63.6	64.8	62.3	60.2	55.3	51.6										
FAN TIP SPEED 722. FT/SEC	4000	22.8	43.9	56.1	60.8	62.6	62.6	61.2	59.5	53.2	49.4										
	5000	19.0	42.3	53.8	59.3	62.3	62.2	60.7	58.7	52.0	47.9										
	6300	5.4	33.9	47.7	54.3	57.5	58.3	56.8	54.0	47.7	42.7										
	8000		23.6	41.1	48.2	52.5	53.4	53.2	50.3	42.6	37.5										
	10000		9.4	30.7	40.0	44.4	46.8	45.9	43.7	35.1	30.3										
OVERALL CALCULATED		58.1	68.1	74.9	76.0	76.6	77.1	75.7	74.0	71.6	69.0										
	PNGR	62.5	76.0	84.3	87.2	88.1	88.5	86.6	84.4	80.5	77.4										

ORIGINAL PAGE IS OF POOR QUALITY

	50	49.2	55.7	61.4	62.8	63.1	62.4	61.9	61.9	59.7	59.8										
SIDELINE 200. FT. (60.96 M)	63	53.5	60.5	63.5	64.7	66.2	66.8	67.3	65.9	62.9	61.0										
	80	57.8	64.5	67.6	68.3	69.1	70.2	70.2	70.8	69.6	67.1										
	100	62.2	68.6	71.9	72.2	71.1	71.1	71.4	71.2	70.0	68.1										
	125	57.5	64.9	68.8	69.9	70.2	69.3	67.9	66.2	65.0	63.0										
	160	55.5	63.1	67.4	68.0	68.1	67.5	66.6	65.8	63.9	62.2										
	200	60.8	68.1	72.5	73.1	73.8	72.9	71.5	69.5	67.1	64.6										
	250	61.8	70.1	75.1	75.8	75.4	75.0	73.7	72.0	70.3	67.3										
	315	59.6	68.4	72.9	74.1	73.8	72.7	70.8	69.4	67.7	64.0										
	400	57.8	67.6	72.5	73.5	73.4	72.6	71.0	69.1	66.9	63.6										
	500	55.3	64.1	69.1	70.6	70.1	69.7	67.4	65.3	64.1	60.8										
	630	64.4	76.5	82.1	79.2	78.9	81.6	80.1	78.5	75.8	73.4										
	800	51.7	62.9	68.4	69.8	70.0	69.4	67.7	64.9	62.8	60.3										
	1000	52.5	63.2	69.1	70.8	71.3	70.2	68.3	65.2	63.1	60.9										
	1250	57.4	69.2	75.8	77.0	76.3	76.0	73.4	70.8	68.2	65.2										
	1600	57.9	69.3	74.1	74.8	75.4	73.8	70.9	68.3	65.9	63.5										
	2000	59.2	70.3	77.2	77.6	77.1	75.9	73.9	70.8	68.2	65.1										
	2500	56.8	69.3	75.9	77.7	76.9	75.5	73.4	70.2	66.7	63.7										
	3150	53.8	66.7	74.0	76.1	76.7	77.1	74.3	71.9	67.0	63.5										
	4000	50.3	64.8	73.1	75.8	76.6	75.8	73.8	72.0	65.6	61.8										
	5000	48.8	64.3	71.7	74.8	76.6	75.7	73.7	71.5	64.7	60.7										
	6300	41.8	59.3	67.9	71.7	73.3	73.1	71.1	67.9	61.5	56.7										
	8000	34.2	54.1	64.7	68.3	70.6	70.3	69.4	66.1	58.2	53.3										
	10000	22.5	47.1	59.3	64.0	65.7	66.6	64.6	62.0	53.2	48.6										
OVERALL CALCULATED		71.5	81.6	87.3	87.8	87.9	87.8	86.1	84.1	81.3	78.6										
	PNGR	80.4	92.3	98.8	100.4	100.6	100.5	98.3	96.0	91.8	88.5										

C-5

## Run 41/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 28 HR. 14.0														
MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	PWL
(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50															
	63															
RADIAL 17. FT.	80															
( 5. M)	100	71.6	70.5	69.8	68.4	66.6	67.0	70.0	71.5	72.9	72.9	72.8				104.4
VEHICLE UTWSIM	125	80.1	80.3	78.3	77.1	76.8	75.8	73.8	74.3	74.9	74.6	73.3				108.7
CONFIG C+1	160	79.8	77.5	76.8	79.1	78.3	76.8	74.8	73.8	74.2	72.1	71.3				108.8
LCC SCHENECTADY	200	79.6	81.8	81.5	80.9	80.1	80.0	79.5	79.5	77.7	74.6	73.0				112.0
DATE 7/17/75	250	87.8	87.0	86.3	85.9	85.1	83.8	83.5	82.8	83.2	81.6	79.5				116.7
RUN 41/3	315	91.6	91.3	90.8	90.1	88.3	86.0	84.5	84.0	83.4	82.3	80.3				119.2
TAPE	400	88.6	88.0	87.5	88.1	87.1	85.5	83.8	82.1	79.4	77.9	76.0				117.1
BAR 30.0 HG	500	86.8	86.8	86.8	86.4	84.6	83.3	81.5	80.5	78.9	77.1	75.3				115.4
(01305. N/M2)	630	90.1	90.8	90.3	90.2	89.1	87.6	86.3	84.3	81.5	79.6	76.8				119.3
TAMB 81. DEG F	800	92.8	92.3	92.6	93.4	92.1	90.3	88.5	86.6	84.7	82.1	79.3				122.0
(300. DEG K)	1000	90.8	90.5	91.3	91.9	90.6	88.8	86.5	84.1	82.2	79.9	76.3				120.3
T-ET 75. DEG F	1250	91.3	91.6	91.3	91.7	89.8	88.3	86.5	84.1	82.2	79.9	76.8				120.1
(297. DEG K)	1600	90.4	89.8	89.1	88.7	86.9	84.8	83.2	80.6	78.3	76.7	74.3				117.1
HACT19.78 GH/M3	2000	85.9	86.3	86.1	86.2	84.9	83.5	81.5	78.9	76.0	74.8	71.5				115.0
(.01978 KG/M3)	2500	94.6	94.6	94.8	95.7	93.1	92.0	92.2	89.4	87.1	84.0	81.5				124.3
NFA 9456. RPM	3150	96.3	96.3	96.8	97.7	95.1	93.7	94.2	91.6	89.3	85.8	83.5				126.2
( 990. RAD/SEC)	4000	85.5	86.2	86.9	87.6	86.7	85.4	83.6	80.8	78.2	75.5	72.9				116.8
NFK 9262. RPM	5000	89.7	90.7	91.4	92.1	90.7	89.3	87.7	85.7	83.2	80.0	78.3				120.8
( 970. RAD/SEC)	6300	93.4	93.5	94.4	95.0	92.9	92.0	90.7	87.9	85.5	82.3	81.0				123.8
NFD 11517. RPM	8000	94.4	95.1	95.7	95.9	94.4	92.7	90.9	87.8	84.1	81.2	78.2				124.5
(1206. RAD/SEC)	10000	93.3	95.1	94.3	94.8	93.5	91.3	89.8	87.0	84.1	80.1	77.1				123.6
NO. OF BLADES 18	12500	93.3	94.4	94.1	95.3	94.3	93.6	91.8	89.3	86.1	82.0	78.0				124.9
FAN TIP SPEED	16000	92.9	92.9	92.7	95.0	94.2	93.7	91.9	89.2	87.3	81.5	77.2				125.1
826. FT/SEC	20000	92.5	93.2	93.0	94.8	94.1	93.6	92.4	89.9	88.2	81.9	77.4				125.7
	25000	89.0	89.4	90.1	91.4	91.5	90.9	89.8	86.7	85.0	79.4	73.0				123.4
	31500	86.0	86.7	86.1	89.2	89.3	88.3	86.9	85.1	82.2	75.6	69.6				121.8
	40000	82.2	82.7	82.3	85.4	84.6	84.1	83.2	79.9	78.6	71.1	65.2				119.0
	50000	77.8	78.1	77.2	80.1	78.8	78.0	77.8	75.2	74.1	64.7	60.7				115.4
	63000	69.5	70.4	69.9	72.8	70.8	70.2	70.8	68.8	65.4	58.1	58.7				118.7
	80000	70.0	69.7	68.4	71.1	69.8	70.2	70.6	70.0	60.8	57.9	60.7				114.1
OVERALL MEASURED																
OVERALL CALCULATED	105.3	105.6	105.6	106.5	105.0	103.8	102.6	100.2	98.0	94.5	91.8					135.9
PNDP	117.8	117.9	118.1	118.8	118.7	115.3	114.8	112.5	110.2	107.3	105.0					

Run 41/Reading 3

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., WAV)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)
SIDELINE 500. FT.	50	40.0	46.9	53.6	55.5	55.7	54.8	54.6	55.5	53.5	52.6	
(152.40 M)	63	43.6	51.2	55.0	56.9	56.7	59.4	60.2	58.8	55.8	54.2	
NFA 2663. RPM	80	48.1	55.4	59.6	61.6	62.2	63.1	63.2	64.1	62.6	60.4	
( 279. RAD/SEC)	100	51.6	59.4	63.5	64.6	64.2	63.9	64.3	64.1	63.2	61.0	
NFK 2609. RPM	125	47.7	55.6	61.1	63.0	63.4	62.9	62.1	60.0	58.5	56.6	
( 273. RAD/SEC)	160	45.6	54.3	58.9	60.2	60.9	60.4	60.1	59.2	57.6	55.6	
NFD 3244. RPM	200	48.8	57.3	62.3	64.4	64.9	65.0	63.9	61.6	59.9	56.9	
( 340. RAD/SEC)	250	49.5	59.0	65.1	67.0	67.4	67.0	66.0	64.6	62.2	59.2	
AIRFLOW RATIO	315	46.8	57.1	63.2	65.2	65.6	64.7	63.2	61.9	59.7	56.0	
( 12.50)	400	46.8	56.4	62.5	64.1	64.7	64.4	63.0	61.7	59.5	56.2	
VEHICLE UTMSIM	500	44.1	52.5	59.0	60.7	60.9	60.9	59.3	57.5	56.1	53.5	
CONFIG C*1	630	47.7	58.5	65.5	66.6	67.8	69.6	67.8	66.0	63.1	60.4	
LOC SCHENECTADY	800	48.0	59.6	66.9	68.1	69.1	71.2	69.7	67.9	64.6	62.1	
DATE 7/17/75	1000	36.5	48.9	56.2	59.3	60.4	60.2	58.6	56.6	54.0	51.2	
RUN 41/3	1250	39.2	52.3	60.0	62.7	63.9	64.0	63.1	61.2	58.1	56.3	
TAPE	1600	39.8	54.2	62.0	64.2	66.1	65.5	64.9	63.1	60.1	58.6	
FAN TIP SPEED	2000	39.1	54.1	62.0	65.1	66.2	66.3	64.3	61.3	58.6	55.4	
825. FT/SEC	2500	36.5	51.5	60.1	63.5	64.4	64.8	63.2	60.9	57.2	53.9	
	3150	31.7	49.3	59.4	63.4	65.8	66.1	64.8	62.4	58.6	54.3	
	4000	24.1	44.9	57.1	61.8	64.8	65.3	64.0	62.8	57.2	52.7	
	5000	21.0	43.8	56.1	61.2	64.3	65.4	64.4	63.5	57.4	52.6	
	6300	6.8	35.9	49.4	56.2	59.7	61.2	59.8	58.9	52.6	46.9	
	8000		24.3	42.3	50.4	54.2	55.9	55.9	54.0	47.8	41.5	
	10000		9.8	31.6	40.7	46.0	48.7	47.8	47.6	40.5	34.2	
OVERALL CALCULATED		58.9	68.5	75.0	77.0	78.1	78.7	77.5	76.0	73.2	70.5	
PND8		62.7	76.3	84.5	87.9	89.8	90.3	89.0	87.2	83.4	79.7	

SIDELINE 290. FT.	50	50.5	56.7	62.6	64.1	64.1	63.1	62.9	63.7	61.7	60.8	
( 60.96 M)	63	54.3	61.3	64.2	65.7	67.2	67.8	68.6	67.1	64.2	62.5	
	80	59.1	65.8	69.1	70.6	70.9	71.7	71.7	72.5	71.1	68.9	
	100	62.9	70.1	73.2	73.7	73.1	72.6	72.9	72.7	71.8	69.6	
	125	59.2	66.6	71.0	72.4	72.5	71.8	70.9	68.7	67.2	65.3	
	160	57.5	65.6	69.1	69.8	70.1	69.5	69.0	68.1	66.4	64.4	
	200	61.1	68.9	72.7	74.1	74.3	74.1	73.0	70.5	68.8	65.9	
	250	62.1	70.9	75.8	77.0	76.9	76.3	75.2	73.7	71.3	68.3	
	315	59.8	69.4	74.1	75.4	75.3	74.2	72.6	71.1	68.9	65.2	
	400	60.3	69.1	73.7	74.5	74.7	74.1	72.5	71.1	68.9	65.6	
	500	58.0	65.6	70.6	71.4	71.1	70.7	68.9	67.0	65.6	63.0	
	630	62.2	72.0	77.4	77.5	78.2	79.6	77.6	75.7	72.8	70.2	
	800	63.2	73.6	79.1	79.3	79.7	81.4	79.7	77.9	74.5	72.0	
	1000	52.5	63.4	68.9	70.8	71.3	70.7	68.8	66.7	64.1	61.4	
	1250	56.1	67.5	73.0	74.5	75.0	74.8	73.6	71.6	68.5	66.7	
	1600	57.9	70.8	75.8	76.5	77.6	77.6	75.7	73.8	70.7	69.2	
	2000	58.5	70.8	76.2	77.9	78.1	77.7	75.4	72.3	69.5	66.3	
	2500	57.6	69.0	74.9	76.7	76.7	76.5	74.6	72.2	68.4	65.2	
	3150	55.3	68.2	75.0	77.3	78.7	78.4	76.7	74.1	70.2	66.0	
	4000	51.6	65.8	74.1	76.8	78.5	78.3	76.6	75.2	69.5	65.1	
	5000	50.8	65.8	73.9	76.8	78.6	78.9	77.4	76.3	70.1	65.4	
	6300	43.2	61.2	69.6	73.6	75.5	76.1	74.1	72.9	66.5	60.9	
	8000	34.6	54.8	55.9	70.5	72.3	72.8	72.0	69.8	63.4	57.2	
	10000	22.6	47.5	60.2	64.6	67.3	68.4	66.5	65.9	58.6	52.5	
OVERALL CALCULATED		72.3	82.0	87.3	88.7	89.4	89.6	88.0	86.4	83.1	80.3	
PND8		81.2	92.9	99.3	101.3	102.4	102.3	100.7	99.0	94.7	91.1	



Run 41/Reading 4

## PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.0

		MODEL SOUND PRESSURE LEVELS (99.0 DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PNL
		FREQ. (0. 10.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )																	
RADIAL 17. FT.		50																	
( 5. M )		63																	
		80																	
VEHICLE	UTSIM	100	71.6	71.3	77.3	69.1	67.1	67.8	69.8	72.0	72.8	73.3	72.8						105.2
CONFIC	C+1	125	80.1	80.0	82.0	77.1	77.3	75.8	74.3	74.5	74.8	74.6	73.8						109.3
LOC	SCHENECTADY	160	78.8	77.5	79.8	78.4	78.3	77.0	75.0	74.5	74.5	72.8	72.6						109.1
DATE	7/17/75	230	79.8	82.3	84.0	81.1	80.1	80.3	79.5	79.5	77.8	75.3	73.5						112.4
RUN	41/4	250	88.5	87.5	89.0	86.9	85.6	84.5	84.2	84.0	84.2	82.0	80.5						117.0
TAPE		315	92.3	92.3	92.3	90.9	88.8	87.0	85.5	84.8	83.5	82.5	81.0						120.0
BAR	30.0 HG	400	90.1	90.0	90.8	89.4	88.6	87.5	85.5	83.3	81.3	79.6	77.8						118.9
	(01305. M/M2)	500	88.1	88.0	89.3	88.1	86.3	84.5	83.5	82.6	81.0	79.1	76.8						117.3
TANB	81. DEG F	630	89.3	89.8	91.3	89.4	88.6	87.3	85.5	84.1	81.5	78.8	76.8						119.0
	(300. DEG K)	800	92.8	92.3	93.6	92.9	91.8	90.3	88.7	86.8	84.8	82.6	80.0						122.1
T-RET	74. DEG F	1000	90.8	90.8	91.8	91.1	90.8	88.8	86.7	84.3	82.8	80.6	77.0						120.3
	(296. DEG K)	1250	92.1	92.1	93.3	92.7	90.3	88.3	87.0	84.6	82.6	80.9	77.8						120.9
HACT	18.81 GH/M3	1600	90.9	90.1	91.3	90.0	87.9	86.0	84.2	81.8	80.1	78.2	75.8						118.3
	(.01881 KG/M3)	2000	84.9	86.1	90.8	87.0	85.6	84.8	84.0	81.4	78.6	77.0	74.8						118.9
NFA	10643. RPM	2500	86.4	88.1	92.3	88.5	87.4	86.2	85.7	83.4	80.9	78.7	76.3						118.6
	(1114. RAD/SEC)	3150	98.1	100.8	102.0	102.4	101.1	99.2	99.7	98.1	95.0	92.5	90.0						131.8
NFK	10424. RPM	4000	88.5	89.2	93.9	90.4	88.7	87.1	86.8	84.8	82.1	78.9	76.8						120.0
	(1091. RAD/SEC)	5000	89.5	89.9	94.4	90.6	88.7	87.5	86.0	83.5	80.5	77.2	75.6						120.8
NFD	11517. RPM	6300	95.8	98.2	99.9	98.5	96.4	95.3	93.4	91.4	88.1	85.0	82.7						127.3
	(1206. RAD/SEC)	8000	92.4	93.1	96.9	93.4	91.4	88.9	87.4	85.0	82.5	79.1	76.7						122.5
NO. OF BLADES	18	10000	94.6	96.6	99.3	97.0	95.5	93.1	92.3	89.3	86.2	82.6	79.6						126.2
FAN TIP SPEED	16000	12500	93.5	95.1	99.1	96.8	96.6	94.6	93.3	91.0	88.9	84.5	80.5						127.0
	929. FT/SEC	20000	92.9	93.2	98.2	96.0	94.7	93.9	92.7	91.0	88.9	84.0	79.7						126.5
		25000	93.8	94.4	97.3	96.1	95.9	95.1	93.7	92.0	91.1	85.9	80.7						127.7
		31500	90.8	91.7	94.6	92.9	93.3	92.7	91.8	89.5	88.1	83.9	78.0						125.8
		40000	88.3	89.3	94.0	91.5	90.9	90.4	89.3	87.4	85.3	81.1	75.4						124.6
		50000	84.3	84.6	90.9	87.0	86.5	85.9	85.0	83.0	82.2	76.6	71.0						121.8
		63000	79.2	80.0	89.9	82.5	80.9	80.0	80.4	77.3	77.3	70.3	65.9						119.8
		80000	71.8	71.6	89.6	74.6	72.5	71.4	72.7	70.6	69.9	65.3	60.4						119.4
		80000	70.4	70.0	91.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						125.8
OVERALL MEASURED																			
OVERALL CALCULATED			105.7	107.0	109.6	106.0	106.8	105.3	104.5	102.8	100.6	97.1	94.2						
PNDB			118.5	120.3	122.1	121.3	119.8	118.1	117.9	116.2	113.9	111.0	108.6						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.)
SIDELINE 500. FT. (152.40 M)	50	40.0	49.9	52.9	55.5	55.9	55.1	55.4	55.2	54.2	53.8
NFA 2990. RPM ( 314. RAD/SEC)	63	44.1	53.7	55.3	56.9	58.9	59.4	60.2	58.9	56.5	54.7
NFK 2936. RPM ( 307. RAD/SEC)	80	48.6	57.1	60.6	62.1	62.9	63.9	64.5	65.1	63.1	61.4
NFD 3244. RPM ( 340. RAD/SEC)	100	52.6	60.9	64.2	65.1	65.2	64.9	65.0	64.2	63.4	61.7
AIRFLOW RATIO NF/WP 12.6C	125	49.7	58.9	62.4	64.5	65.4	64.7	63.3	61.8	60.2	58.3
VEHICLE UTMSIM 1000	160	46.9	56.8	60.7	61.9	62.1	62.4	62.4	61.3	59.5	57.1
CGM.FIG C+1 1250	200	47.8	58.3	61.6	63.9	64.6	64.2	63.7	61.8	59.1	56.9
LCC SCHENECTADY 1000	250	49.5	60.0	64.6	66.8	67.4	67.2	66.2	64.7	62.6	59.9
DATE 7/17/75 2000	315	47.1	57.6	62.4	65.2	65.6	65.0	63.5	62.5	60.4	56.7
RM: 41/4 2500	400	47.3	58.4	63.5	64.6	64.7	64.9	63.5	62.0	60.5	57.2
TAPE 3150	500	44.3	55.8	60.3	61.7	62.2	61.9	60.3	59.3	57.5	55.0
FAN TIP SPEED 929. FT/SEC 6300	630	39.1	54.5	56.7	59.0	60.0	61.3	59.7	57.5	56.1	53.7
8000	800	39.8	55.1	57.6	60.3	61.6	62.7	61.4	59.5	57.5	54.9
10000	1000	51.0	64.0	71.0	73.6	74.2	76.3	75.8	74.2	71.0	68.3
OVERALL CALCULATED PND8	1250	37.8	54.9	58.1	60.7	61.7	63.1	62.2	60.1	57.1	54.6
	1600	36.3	54.0	57.5	59.9	61.5	61.7	60.4	58.1	54.9	53.1
	2000	42.1	58.2	64.5	66.9	68.7	68.7	67.9	65.2	62.3	59.8
	2500	34.4	54.0	58.6	61.4	61.8	62.2	61.0	59.2	56.1	53.4
	3150	33.7	54.3	60.9	64.3	65.1	66.4	64.6	62.3	58.9	55.7
	4000	25.9	51.1	58.6	63.9	65.3	66.3	65.4	64.1	59.9	55.7
	5000	20.6	48.5	56.8	63.3	64.2	65.3	65.0	63.8	59.0	54.5
	6300	11.2	42.4	53.5	60.0	63.3	64.5	64.4	64.4	59.5	54.0
	8000		31.8	45.1	53.5	57.7	59.9	59.4	59.1	55.2	49.0
	10000		20.1	36.4	45.6	50.9	53.5	53.8	53.0	49.2	43.1
	1250	59.5	70.7	75.8	78.2	79.1	80.1	79.4	78.0	75.1	72.5
	1600	63.9	79.6	85.5	88.6	90.0	90.7	89.8	88.4	85.0	81.8

ORIGINAL PAGE IS OF POOR QUALITY.

SIDELINE 200. FT. ( 60.96 M)	50	50.5	59.7	61.9	64.1	64.3	63.4	63.6	64.0	62.4	62.1
	63	54.8	63.8	64.5	65.7	67.5	67.8	68.6	67.2	64.9	63.0
	80	59.6	67.5	70.1	71.1	71.6	72.5	73.0	73.6	71.5	69.9
	100	63.9	71.6	73.9	74.2	74.1	73.6	73.7	72.8	72.0	70.3
	125	61.2	69.9	72.3	73.9	74.5	73.6	72.1	70.5	68.9	67.0
	160	58.8	68.1	70.9	71.5	71.4	71.5	71.3	70.2	68.4	65.9
	200	60.1	69.9	72.0	73.6	74.0	73.4	72.7	70.8	68.0	65.9
	250	62.1	71.9	75.3	76.8	76.9	76.5	75.4	73.8	71.7	69.0
	315	60.1	69.9	73.4	75.4	75.3	74.4	72.8	71.7	69.6	66.0
	400	60.8	71.1	74.7	75.0	74.7	74.6	73.0	71.4	69.9	66.6
	500	58.3	68.8	71.8	72.4	72.3	71.7	69.9	68.9	67.1	64.5
	630	53.7	68.0	68.6	70.0	70.9	71.4	69.6	67.3	65.8	63.4
	800	55.0	69.1	69.9	71.5	72.3	73.0	71.5	69.4	67.4	64.8
	1000	67.0	78.5	83.6	85.1	85.1	86.8	86.1	84.3	81.1	78.4
	1250	54.6	70.0	71.3	72.6	72.8	73.8	72.7	70.4	67.4	65.0
	1600	54.3	69.9	71.2	72.2	73.0	72.8	71.2	68.7	65.5	63.7
	2000	61.5	75.0	78.7	79.7	80.6	80.1	79.0	76.2	73.2	70.8
	2500	55.4	71.5	73.4	74.6	74.1	74.0	72.5	70.4	67.3	64.6
	3150	57.3	73.1	76.6	78.3	78.0	78.7	76.5	74.0	70.5	67.4
	4000	53.4	71.9	75.6	78.9	79.1	79.3	78.0	76.5	72.2	68.1
	5000	50.3	70.5	74.6	76.9	78.5	78.8	78.1	76.6	71.7	67.3
	6300	47.6	67.8	73.6	77.4	79.1	79.3	78.6	78.3	73.3	67.9
	8000	38.7	62.3	68.7	73.6	75.8	76.7	75.6	74.8	70.8	64.7
	10000	27.8	57.8	64.9	69.5	72.2	73.2	72.6	71.3	67.3	61.4
OVERALL CALCULATED PND8	73.1	84.8	88.5	90.1	90.5	91.1	90.2	88.6	85.4	82.5	
	82.2	96.8	100.3	102.3	102.8	103.1	101.8	100.2	96.6	93.0	

## Run 41/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 26 MR. 14.7

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DRY)  
ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. PNL																
		(0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
	50																	
	63																	
RASIAL 17. FT.	80																	
( 5. H)	100	72.1	71.3	70.3	68.9	66.8	67.3	70.0	71.8	73.0	73.1	73.6						104.7
VEHICLE UTM-SIM	125	79.6	79.8	78.8	76.9	76.8	75.5	74.0	74.0	74.8	74.8	74.3						106.7
CONFIG C+1	160	79.1	77.0	76.3	78.1	77.8	76.5	75.0	74.3	74.3	72.8	73.3						108.4
LOC SCHENECTADY	200	80.6	82.3	82.3	81.4	80.8	80.3	80.0	80.0	78.5	75.8	74.3						112.8
DATE 7/17/75	250	88.8	88.0	87.3	87.1	85.6	85.0	84.5	83.8	83.7	82.3	81.0						117.7
RUN: 41/5	315	92.3	92.3	91.8	91.1	88.8	87.0	85.2	84.3	84.3	82.5	81.3						128.0
TAPE	400	90.3	90.5	89.5	89.4	89.1	87.8	86.3	84.1	82.3	80.6	78.5						119.2
EAR 30.0 HG	500	88.6	88.8	88.6	89.1	86.8	85.5	84.3	83.6	82.0	79.6	77.5						117.9
(01305, N/M2)	630	91.1	90.8	90.3	90.4	88.8	87.8	86.0	84.1	81.8	79.1	77.6						119.3
TAMP 81. DEG F	800	92.3	91.8	92.1	92.6	91.3	90.0	88.7	86.8	84.8	82.6	79.5						121.7
(300, DEG K)	1000	90.3	90.8	90.6	91.6	90.6	89.0	87.5	84.8	82.5	80.6	77.3						120.4
T-ET 74. DEG F	1250	91.1	91.6	91.3	91.9	90.6	88.5	87.2	85.1	83.6	81.1	78.0						120.6
(296, DEG K)	1600	90.1	88.8	88.6	89.5	88.6	86.5	84.7	81.9	79.9	78.2	76.0						118.2
HACT 18.81 GM/M3	2000	83.6	84.8	85.8	86.7	85.6	84.5	83.5	81.4	78.9	77.5	74.3						115.9
(,01881 KG/M3)	2500	86.9	87.6	89.3	88.2	87.4	86.5	85.9	84.4	81.4	79.2	76.8						118.2
NFA 11228. RPM	3150	103.6	102.1	103.8	103.4	102.6	101.0	100.9	98.1	97.1	93.7	90.7						133.1
(1176, RAD/SEC)	4000	94.3	93.7	95.2	94.6	93.5	92.4	92.1	89.6	87.8	85.2	81.9						124.3
NFK 10997. RPM	5000	88.5	89.7	89.6	89.8	87.9	86.5	85.5	83.2	81.5	77.7	76.1						118.6
(1151, RAD/SEC)	6300	96.8	98.2	100.2	99.5	98.1	95.0	93.7	91.7	89.4	85.0	83.5						128.0
NFD 11517. RPM	8000	90.9	92.8	93.9	93.6	92.2	90.4	87.9	85.5	83.2	80.4	77.4						122.3
(1206, RAD/SEC)	10000	94.8	95.9	97.5	97.8	96.0	93.8	92.6	90.3	87.9	84.1	81.8						126.4
NO. OF BLADES 18	12500	94.0	95.4	95.4	96.8	95.8	94.6	93.3	91.3	89.2	85.2	81.3						126.5
FAN TIP SPEED	16000	93.2	93.4	93.9	96.2	94.9	93.7	92.7	90.5	89.4	84.7	81.2						128.0
980. FT/SEC	20000	94.5	94.4	94.8	95.3	95.7	94.9	93.9	92.0	90.6	86.1	81.9						127.3
	25000	92.0	92.5	92.1	93.2	93.5	92.9	92.3	89.8	88.4	84.1	79.0						125.8
	31500	89.5	90.0	89.3	92.0	90.9	90.9	89.3	87.6	85.8	81.6	76.9						124.4
	40000	85.0	85.6	84.9	87.7	87.2	86.4	85.5	82.8	82.5	77.4	72.5						121.7
	50000	79.7	80.5	79.9	83.5	81.4	80.5	80.9	77.8	77.8	71.6	67.6						118.4
	63000	71.8	71.9	71.6	75.1	73.0	72.1	73.0	70.6	70.9	65.5	61.4						113.2
	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						119.7
OVERALL MEASURED																		
OVERALL CALCULATED		107.6	107.4	108.4	108.6	107.5	106.0	105.2	102.9	101.4	96.1	95.1						138.4
PNL		121.8	121.1	122.3	122.1	121.0	119.4	118.9	116.5	115.1	112.1	109.4						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEC. P. 70 PERCENT REL. HUM. WAT)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ. (0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )	(0. )
	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.
	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )	(0. )
SIDELINE 500. FT.	50	39.5	46.4	52.6	55.0	55.4	55.1	55.1	55.6	54.2	54.8	
(152.40 M)	63	44.1	51.9	55.5	57.7	58.9	59.9	60.7	59.6	57.0	55.4	
NFA 3163. RPM	80	49.1	56.4	60.8	62.1	63.4	64.1	64.2	64.6	63.3	61.9	
( 331. RAD/SEC)	100	52.6	60.4	64.5	65.1	65.2	64.7	64.5	65.0	63.4	62.0	
NFA 3098. RPM	125	50.2	57.6	62.4	65.0	65.7	65.4	64.1	62.8	61.2	59.1	
( 324. RAD/SEC)	160	47.6	56.1	61.7	62.4	63.1	63.2	63.4	62.3	60.0	57.8	
NFD 3244. RPM	200	48.8	57.3	62.6	64.1	65.1	64.7	63.7	61.9	59.3	57.7	
( 340. RAD/SEC)	250	49.0	58.5	64.4	66.3	67.1	67.2	66.2	64.7	62.6	59.4	
AIRFLOW RATIO	315	47.1	56.3	62.9	65.2	65.8	65.7	64.0	62.2	60.4	57.0	
WF/WM 12.60	400	46.8	56.4	62.7	64.8	65.0	65.2	64.0	63.0	60.7	57.5	
VEHICLE UTHSIM	500	43.1	53.0	59.8	62.5	62.7	62.4	60.5	59.0	57.5	55.2	
CONFIG C+1	630	37.9	49.5	56.5	59.0	60.3	60.8	59.7	57.8	56.6	53.2	
LOC SCHENECTADY	800	39.3	52.1	57.4	60.3	61.9	62.9	62.4	60.0	58.0	55.4	
DATE 7/17/75	1000	52.3	65.7	72.0	75.1	75.9	77.6	75.8	75.4	72.2	69.0	
RJN 41/5	1250	42.3	56.1	62.5	65.4	66.9	68.3	66.9	65.8	63.4	59.9	
TAPE	1600	38.0	49.3	56.8	59.2	60.5	61.2	60.1	59.1	55.4	53.6	
FAN TIP SPEED	2000	42.1	58.5	65.5	68.7	68.4	68.9	68.1	66.4	63.3	60.6	
980. FT/SEC	2500	34.1	51.0	58.8	62.1	63.3	62.7	61.5	59.9	57.3	54.1	
6300	3150	33.0	52.5	61.6	64.8	65.9	66.7	65.6	64.0	60.4	57.9	
8000	4000	26.2	47.3	58.6	63.1	65.3	66.3	65.6	64.3	60.6	56.4	
OVERALL CALCULATED	5000	20.8	44.3	57.0	61.6	63.9	65.3	64.5	64.3	59.8	56.0	
PND9	6300	11.2	39.9	52.8	59.8	63.0	64.7	64.4	63.9	59.7	55.2	
	8000		29.3	45.3	53.7	57.9	60.4	59.7	59.3	55.4	50.0	
	10000		15.1	36.9	45.6	51.4	53.5	54.1	53.5	49.7	44.6	
	OVERALL CALCULATED	59.8	70.3	76.4	79.1	80.0	80.9	79.7	78.9	76.1	73.2	
	PND9	64.4	78.5	86.1	89.4	90.4	91.2	90.2	89.1	86.0	82.6	

SIDELINE 200. FT.	50	50.0	56.2	61.6	63.6	63.8	63.4	63.4	63.8	62.4	62.6	
( 60.96 M)	63	54.8	62.0	64.7	66.5	67.5	68.3	69.1	67.9	65.4	63.7	
	80	60.1	66.8	70.3	71.1	72.1	72.7	72.7	73.1	71.8	70.4	
	100	63.9	71.1	74.2	74.2	74.1	73.4	73.2	73.5	72.0	70.6	
	125	61.7	68.6	72.3	74.4	74.7	74.3	72.9	71.5	69.9	67.8	
	160	59.5	67.4	71.9	72.0	72.4	72.2	72.3	71.2	68.9	66.7	
	200	61.1	68.9	73.0	73.9	74.5	73.9	72.7	70.9	68.3	66.6	
	250	61.5	70.4	75.1	76.3	76.7	76.5	75.4	73.8	71.7	68.5	
	315	60.1	68.6	73.9	75.4	75.6	75.2	73.3	71.5	69.6	66.2	
	400	60.3	69.1	74.0	75.3	74.9	74.8	73.5	72.4	70.1	66.9	
	500	57.0	66.1	71.3	73.1	72.8	72.2	70.2	68.6	67.1	64.8	
	630	52.4	63.0	68.4	70.0	70.7	70.9	69.6	67.5	66.3	62.9	
	800	54.5	66.1	69.6	71.5	72.5	73.2	72.5	69.9	67.9	65.3	
	1000	68.3	80.2	84.8	86.6	86.8	86.1	86.1	85.6	82.3	79.2	
	1250	59.1	71.3	75.6	77.3	78.1	79.1	77.4	76.2	73.7	70.2	
	1600	54.1	65.2	70.4	71.5	72.0	72.3	70.9	69.7	66.0	64.2	
	2000	61.5	75.2	79.7	81.5	80.4	80.4	79.2	77.4	74.2	71.5	
	2500	55.2	68.5	73.6	75.3	75.6	74.5	73.0	71.2	68.5	65.4	
	3150	56.6	71.4	77.3	78.8	78.8	78.9	77.5	75.7	72.0	69.6	
	4000	53.7	68.1	75.6	78.1	79.1	79.3	78.3	76.7	73.0	68.8	
	5000	50.6	66.3	74.9	77.2	78.2	78.8	77.6	77.1	72.5	68.8	
	6300	47.6	65.3	72.9	77.1	78.8	79.6	78.6	77.8	73.6	69.2	
	8000	39.5	59.8	69.0	73.8	76.0	77.2	75.8	75.1	71.1	65.7	
	10000	28.5	52.8	65.4	69.5	72.7	73.2	72.9	71.8	67.8	62.9	
OVERALL CALCULATED	73.5	84.3	89.1	91.0	91.3	91.9	90.5	89.5	86.4	83.4		
PND9	82.3	95.3	100.8	102.6	103.1	103.4	102.2	100.8	97.5	94.2		

## Run 41/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.7

		MODEL SOUND PRESSURE LEVELS (99. DEG. F. 70 PERCENT REL. HUM. 8AY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	Pnt
		FREQ. (0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)
50																		
63																		
RADIAL 17. FT.	80																	
( 5. M)	100	70.8	70.3	69.0	68.1	66.6	67.5	69.3	71.0	72.5	72.8	72.8						104.1
VEHICLE	UTHSIM	125	72.8	79.0	77.8	76.4	76.1	75.0	73.0	73.5	73.8	74.1	73.8					108.8
CONFIG	C+1	160	79.1	76.8	76.0	78.1	77.8	76.5	75.0	74.5	74.3	72.8	73.3					112.2
LOC	SCHENECTADY	200	80.1	82.0	82.0	80.9	80.3	80.0	79.5	79.8	78.0	75.0	73.8					116.9
DATE	7/17/75	250	88.3	87.3	86.8	86.1	85.1	84.3	83.5	83.5	82.7	81.8	79.5					119.4
RUN	41/6	315	92.3	92.0	91.0	90.1	88.1	86.3	84.5	84.0	83.3	82.5	81.0					119.0
TAFE		400	90.3	90.3	89.3	89.9	88.3	87.5	86.0	84.3	82.3	80.1	78.3					117.5
EAF	30.0 HG	500	88.3	88.3	88.8	88.9	87.1	85.5	84.3	83.1	81.5	79.6	77.5					116.7
(01305. N/M2)		630	89.3	90.0	89.1	89.4	88.1	87.3	85.8	83.8	81.5	78.6	77.1					121.0
TAPB	82. DEG F	800	91.6	91.3	91.1	91.6	91.1	89.5	87.7	86.3	84.3	82.1	79.3					119.8
(301. DEG K)		1000	90.1	90.0	89.3	90.1	89.8	88.5	86.7	84.6	82.5	80.6	77.8					119.8
TWET	74. DEG F	1250	89.3	90.3	90.8	90.2	89.1	88.3	86.7	84.9	83.3	81.1	77.5					117.7
(296. DEG K)		1600	88.1	87.6	88.1	89.0	87.6	86.0	84.5	82.1	80.4	78.2	75.5					116.0
HACT	18.50 GH/M3	2000	84.9	85.1	86.3	87.0	85.9	84.3	83.0	81.1	79.6	77.2	74.3					117.5
(.01850 KG/M3)		2500	86.6	87.6	88.3	88.7	87.6	85.7	84.2	81.9	79.9	78.0	75.3					112.1
NFA	11642. RPM	3150	99.1	100.3	99.5	101.7	101.3	100.2	98.9	99.6	97.9	94.7	91.5					129.6
(1219. FAC/SEC)		4000	96.3	98.0	97.2	99.6	99.0	97.9	96.8	97.3	95.1	92.2	88.6					118.4
NFK	11392. RPM	5000	88.0	88.4	88.6	89.3	87.9	86.3	85.5	83.7	81.8	78.7	76.6					129.2
(1193. RAD/SEC)		6300	92.9	95.0	97.4	95.2	94.4	93.3	91.9	89.7	87.9	85.2	82.0					123.0
NFD	11517. RPM	8000	92.2	93.6	95.2	93.9	92.9	91.9	90.4	87.8	86.2	83.1	79.9					125.0
(1206. PAD/SEC)		10000	96.3	96.4	96.3	96.3	95.7	93.8	92.1	90.3	87.9	84.1	81.1					125.8
NO. OF BLADES	18	12500	94.5	94.9	94.4	95.8	94.8	93.8	92.3	90.3	88.2	84.5	80.8					126.1
FAN TIP SPEED	16000	16000	93.7	94.2	93.4	96.0	94.9	94.2	92.2	91.0	89.5	85.0	81.0					127.1
1016. FT/SEC		20000	94.0	94.4	94.5	95.8	95.4	94.9	93.2	91.7	90.3	86.4	82.2					125.3
		25000	92.0	92.7	91.6	93.2	93.3	92.2	90.9	89.3	87.7	84.7	79.1					124.1
		31500	89.3	90.0	89.0	91.3	90.7	90.7	88.8	87.2	85.3	82.1	76.4					121.3
		40000	85.1	85.7	84.7	87.0	87.0	85.8	84.8	82.9	82.3	77.2	73.1					118.0
		50000	80.1	80.8	80.2	82.6	81.3	80.0	79.8	77.4	77.9	71.7	68.0					112.8
		63000	71.1	72.0	71.8	74.5	72.6	71.8	72.4	70.5	70.6	65.4	61.3					119.8
		80000	70.5	70.2	68.9	71.6	70.3	70.7	71.1	70.5	71.2	68.2	61.2					130.2
OVERALL MEASURED																		
OVERALL CALCULATED		106.2	106.9	106.8	107.8	107.1	106.0	104.8	104.1	102.3	99.2	95.9						130.2
PNdB		119.1	120.1	119.8	121.0	120.4	119.2	117.9	117.7	116.0	113.1	110.1						

Run 41/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEC. P. 70 PERCENT REL. HUM. NAT)												
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )	(0. 17. 35. 52. 70. 87. 105. 122. 140. 157. 175. )
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.6	55.0	58.4	59.1	59.4	59.6	54.2	54.6	
NFA 3279. RPM ( 343. RAD/SEC)	63	43.9	51.7	55.0	57.2	58.7	59.4	60.4	59.1	56.3	54.9	
NFK 3209. RPM ( 336. RAD/SEC)	80	48.3	55.9	59.8	61.6	62.7	63.1	64.0	63.6	62.8	60.4	
NFD 3244. RPM ( 340. RAD/SEC)	100	52.4	59.6	63.5	64.3	64.4	63.9	64.3	64.0	63.4	61.7	
AIRFLOW RATIO WF/W 12.66	125	49.9	57.4	62.9	64.3	65.4	65.2	64.3	62.8	60.7	58.8	
VEHICLE CONFIG	160	47.1	56.3	61.4	62.7	63.1	63.2	62.9	61.8	60.0	57.8	
LOC SCHENECTADY	200	48.1	56.0	61.6	63.4	64.6	64.5	63.4	61.6	58.8	57.2	
DATE 7/17/75	250	48.5	57.5	63.4	66.0	66.6	66.2	65.7	64.2	62.1	59.2	
RUN 41/6	315	46.3	55.1	61.4	64.2	65.3	65.0	63.7	62.2	60.4	57.5	
TAPE	400	45.6	55.9	61.0	63.3	64.7	64.7	63.8	62.8	60.7	57.0	
FAN TIP SPEED 1018. FT/SEC	500	41.8	52.5	59.3	61.5	62.2	62.1	60.8	59.5	57.5	54.7	
OVERALL CALCULATED	630	38.1	50.0	56.7	59.3	60.1	60.3	59.5	58.5	56.3	53.2	
PND8	800	39.3	51.1	57.9	60.6	61.1	61.2	59.9	58.5	56.8	53.9	
	1000	50.5	61.5	70.3	73.8	75.2	75.6	77.3	76.2	73.2	69.8	
	1250	46.5	58.1	67.5	70.9	72.4	73.1	74.7	73.1	70.4	66.6	
	1600	34.8	48.3	56.3	59.2	60.2	61.2	60.6	59.3	56.4	54.1	
	2000	38.9	55.7	61.3	64.9	66.7	67.2	66.1	64.9	62.5	59.1	
	2500	34.9	52.2	59.1	62.9	64.8	65.2	63.8	62.9	60.1	56.6	
	3150	33.5	51.3	58.1	64.6	65.9	66.2	65.8	64.0	60.4	57.2	
	4000	25.7	46.3	57.6	62.1	64.6	65.3	64.7	63.3	59.9	55.9	
	5000	21.6	43.8	56.8	61.6	64.4	64.8	65.0	64.3	60.0	55.8	
	6300	11.2	39.7	53.3	59.5	63.1	64.0	64.1	63.6	60.0	55.5	
	8000		28.8	45.4	53.5	57.2	58.9	59.2	58.6	55.9	50.0	
	10000		15.1	36.2	45.3	51.2	53.0	53.6	53.1	50.2	44.2	
	OVERALL CALCULATED	59.3	68.7	75.6	78.7	80.0	80.3	81.1	79.9	77.2	74.0	
	PND8	63.5	77.0	84.9	88.8	90.4	90.8	90.8	89.6	86.8	83.2	

SIDELINE 200. FT. ( 60.96 M)	50	49.7	56.0	61.6	63.6	63.8	63.4	63.6	63.8	62.4	62.8	
	63	54.5	61.8	64.2	65.0	67.2	67.8	68.8	67.4	64.6	63.2	
	80	59.3	66.3	69.3	70.6	71.4	71.7	72.5	72.1	71.3	68.9	
	100	63.7	70.3	73.2	73.5	73.3	72.6	72.9	72.5	72.0	70.3	
	125	61.5	68.4	72.8	73.6	74.5	74.1	73.1	71.5	69.4	67.5	
	160	59.0	67.6	71.6	72.3	72.4	72.2	71.8	70.7	68.9	66.7	
	200	60.3	67.6	72.0	73.1	74.0	73.6	72.5	70.6	67.8	66.1	
	250	61.1	69.4	74.1	76.0	76.2	75.5	74.9	73.3	71.2	68.3	
	315	59.3	67.4	72.4	74.4	75.1	74.4	73.1	71.5	69.5	66.7	
	400	59.1	68.6	72.2	73.8	74.7	74.3	73.3	72.2	70.1	66.4	
	500	55.8	65.6	70.8	72.1	72.3	72.0	70.4	69.1	67.1	64.3	
	630	52.7	63.5	68.6	70.2	70.4	70.4	69.3	68.3	66.0	62.9	
	800	54.5	65.1	70.1	71.8	71.8	71.5	70.0	68.4	66.7	63.8	
	1000	66.5	76.0	82.9	85.3	86.1	86.1	87.6	86.3	83.3	79.9	
	1250	63.4	73.3	80.6	82.8	83.6	83.6	85.2	83.4	80.7	77.0	
	1600	62.8	64.2	69.9	71.5	71.8	72.3	71.4	70.0	67.0	64.7	
	2000	58.3	72.5	75.5	77.7	78.6	78.6	77.2	75.9	73.4	70.0	
	2500	55.9	69.8	73.9	76.1	77.1	77.0	75.2	74.2	71.3	67.9	
	3150	57.1	70.1	75.8	78.5	78.6	78.4	77.5	75.7	72.1	68.9	
	4000	53.2	67.1	74.6	77.1	78.4	78.3	77.3	75.7	72.2	68.3	
	5000	51.4	65.8	74.6	77.2	78.7	78.3	78.1	77.1	72.8	68.6	
	6300	47.6	65.1	73.4	76.9	78.9	78.8	78.4	77.6	73.9	69.5	
	8000	39.8	59.3	69.3	73.6	75.3	75.8	75.4	74.4	71.6	65.8	
	10000	28.5	52.8	64.7	69.3	72.5	72.7	72.4	71.3	68.3	62.4	
	OVERALL CALCULATED	72.9	82.6	88.3	90.6	91.4	91.3	91.8	90.4	87.6	84.2	
	PND8	81.6	94.0	97.9	102.3	103.0	102.9	102.2	100.9	97.8	94.3	

Run 41/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 28 HR. 14.7

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.												0. 0. 0. 0. 0. 0. PnL				
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																	
	63																	
RADIAL 17. FT.	80																	
( S. M.)	100	71.6	70.8	69.8	68.4	66.3	67.3	69.5	71.0	72.5	72.8	72.6						104.1
VEHICLE UTMSIM	125	78.8	79.0	77.8	75.9	75.6	74.8	73.5	73.8	74.3	74.3	74.8						100.1
CONFIG C+1	160	78.8	76.8	76.0	77.9	77.8	76.0	74.5	74.5	74.0	73.1	73.8						100.5
LOC SCHEMECTADY	200	79.8	82.8	82.5	81.6	80.6	80.8	79.5	79.3	78.0	75.3	73.5						112.4
DATE 7/17/75	250	87.8	87.0	86.3	86.1	84.6	83.8	83.2	83.0	82.7	81.0	79.5						116.6
RUN 41/7	315	91.8	92.0	90.8	90.4	88.3	85.8	85.0	84.0	83.3	82.3	80.5						119.3
TAPE	400	90.3	90.3	89.3	89.6	88.6	88.0	86.5	84.6	82.5	80.6	78.6						119.3
BAR 30.0 HG	500	88.8	88.8	88.6	88.6	87.1	85.3	84.3	83.1	81.0	79.3	77.5						117.7
(01305. N/M2)	630	89.1	89.3	89.3	89.7	88.6	87.8	85.5	84.1	81.5	78.8	77.6						116.9
TAMB 81. DEG F	830	90.8	90.8	90.8	91.1	90.6	89.0	87.7	85.8	84.5	81.8	79.3						120.7
(300. DEG K)	1000	90.3	89.3	89.3	90.4	89.8	88.6	87.0	84.6	82.5	80.6	77.5						119.7
T-ET 74. DEG F	1250	88.6	90.1	90.3	90.4	89.1	87.8	86.7	84.9	82.8	80.9	77.8						119.7
(296. DEG K)	1600	87.6	87.3	87.8	88.5	87.1	86.0	84.2	82.6	81.1	79.7	75.8						119.6
HACT18.81 G4/H3	2000	84.9	85.1	86.1	87.2	85.9	85.0	83.2	81.4	79.4	78.5	75.5						117.5
(.01881 KG/H3)	2500	85.4	86.8	87.5	88.2	87.6	85.7	84.2	82.9	79.9	77.5	75.8						116.3
NFA 11768. RPM	3150	97.6	99.3	97.8	100.2	100.1	101.5	101.7	98.6	96.9	92.7	91.5						117.4
(1232. RAD/SEC)	4000	97.5	99.2	97.9	99.9	100.2	101.9	102.1	99.1	97.3	92.9	91.6						132.0
NFK 11526. RPM	5000	87.2	88.2	88.6	88.8	87.9	86.8	85.5	83.7	81.5	78.4	76.6						132.3
(1207. RAD/SEC)	6300	92.4	94.5	95.7	94.2	94.1	92.0	91.9	88.9	86.4	84.2	81.7						116.4
NFD 11517. RPM	8000	92.9	94.3	95.7	94.9	94.2	92.4	91.7	88.8	86.7	83.8	81.2						124.3
(1206. RAD/SEC)	10000	95.6	95.4	96.0	96.3	96.0	94.1	92.1	89.5	86.2	84.6	81.3						124.5
NO. CF BLADES 18	12500	94.0	94.4	93.4	95.3	94.6	93.1	91.6	89.5	88.2	84.2	80.5						129.8
FAN TIP SPEED	16000	94.2	94.4	93.4	96.7	94.4	93.7	92.2	90.8	89.2	85.2	81.5						125.0
1027. FT/SEC	20000	94.3	94.7	94.5	95.8	95.2	94.6	93.2	91.5	90.6	86.6	82.7						126.1
	25000	91.8	92.0	91.6	92.7	93.3	92.2	91.1	88.8	88.1	84.1	79.5						127.0
	31500	89.0	89.8	89.0	91.2	90.9	89.9	88.3	86.9	86.1	82.6	78.9						125.2
	40000	84.8	85.6	84.1	87.0	86.2	85.7	84.5	82.8	82.2	77.6	73.3						123.9
	50000	80.2	80.5	79.4	82.3	81.2	79.7	79.9	77.1	77.8	71.6	68.1						121.1
	63000	71.3	71.6	71.6	74.6	72.6	71.1	72.0	70.3	70.4	65.3	61.9						117.8
	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						112.7
OVERALL MEASURED																		115.7
OVERALL CALCULATED		105.9	106.8	106.3	107.5	107.1	107.1	106.7	104.1	102.5	98.8	96.7						138.5
PnLR		118.3	119.5	118.9	120.2	119.9	120.4	120.1	117.5	115.7	112.2	110.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		0. (0.)	10. (0.17)	20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)
SIDELINE 500. FT. (152.40 M)	50	39.3	46.2	52.4	55.0	54.9	54.0	55.4	55.3	54.5	55.1
	63	44.6	52.2	55.8	57.4	59.4	59.4	59.9	59.1	56.5	54.7
	80	48.1	55.4	59.8	61.3	62.2	62.9	63.9	63.6	62.3	60.4
NFA 3315. RPM ( 347. RAD/SEC)	100	52.4	59.4	63.7	64.6	63.9	64.4	64.3	64.0	63.2	61.2
	125	49.9	57.4	62.6	64.5	65.9	65.7	64.6	63.0	61.2	59.3
	160	47.6	56.1	61.2	62.7	62.9	63.2	62.9	61.3	59.8	57.8
NFK 3247. RPM ( 340. RAD/SEC)	200	47.3	56.3	61.8	63.9	65.1	64.2	63.7	61.6	59.1	57.7
	250	48.0	57.2	62.9	65.5	66.1	66.2	65.2	64.4	61.9	59.2
NFD 3244. RPM ( 340. RAD/SEC)	315	45.6	55.1	61.7	64.4	65.6	65.2	63.7	62.2	60.4	57.2
	400	45.3	55.4	61.2	63.3	64.2	64.7	63.8	62.3	60.5	57.2
AIRFLOW RATIO WF/W <sub>W</sub> 12.60	500	41.6	52.3	58.8	61.0	62.2	61.9	61.3	60.3	59.0	55.0
	630	38.1	49.7	57.0	59.3	60.8	60.6	59.7	58.3	57.6	54.4
	800	38.5	50.4	57.4	60.6	61.1	61.2	60.9	58.5	56.3	54.4
VEHICLE CONFIG UTHSIM C-1	1000	49.5	59.7	68.8	72.8	76.4	78.3	76.3	75.2	71.2	69.8
	1250	47.8	58.9	67.7	72.2	76.4	78.3	76.4	75.3	71.1	69.6
LCC SCHENECTADY DATE 7/17/75	1600	34.5	48.3	55.8	59.2	60.7	61.2	60.6	59.1	56.1	54.1
	2000	38.4	54.0	60.3	64.7	65.4	67.2	65.4	63.4	61.5	58.9
RUN: 41/7 TAPE	2500	35.6	52.7	60.1	64.1	65.3	66.5	64.8	63.4	60.6	57.9
	3150	32.5	51.0	60.1	64.8	66.1	66.2	64.7	64.1	60.9	57.4
FAN TIP SPEED 1027. FT/SEC	4000	25.2	45.3	57.1	61.9	63.8	64.5	63.4	63.3	59.6	55.7
	5000	21.8	43.8	57.5	61.1	63.9	64.8	64.8	64.5	60.3	56.3
	6300	11.5	39.7	53.3	59.3	62.8	64.0	63.9	63.9	60.2	56.0
	8000		28.8	44.8	53.5	57.2	59.1	58.7	59.1	55.4	50.5
	10000		15.1	38.1	45.6	50.4	52.5	53.3	53.8	50.7	44.6
OVERALL CALCULATED PNCB		59.1	68.3	75.2	78.6	81.4	82.8	81.2	80.1	78.7	74.8
		63.1	76.4	84.8	88.9	91.2	92.4	91.1	90.1	88.7	84.2

ORIGINAL PAGE IS OF POOR QUALITY

	50	49.7	56.0	61.4	63.6	63.3	62.9	63.6	63.5	62.7	63.3
	63	55.3	62.3	65.0	66.2	68.0	67.8	68.3	67.4	64.9	63.0
SIDELINE 200. FT. ( 60.96 M)	80	59.1	65.8	69.3	70.3	70.9	71.5	72.0	72.1	70.5	68.9
	100	63.7	70.1	73.4	73.7	72.8	73.1	72.9	72.5	71.7	69.8
	125	61.5	68.4	72.5	73.9	75.0	74.6	73.4	71.7	69.9	68.0
	160	59.5	67.4	71.4	72.3	72.1	72.2	71.8	70.2	68.5	66.7
	200	59.6	67.9	72.2	73.6	74.5	73.4	72.7	70.6	68.0	66.6
	250	60.6	69.1	73.6	75.5	75.7	75.5	74.4	73.5	71.0	68.3
	315	58.6	67.4	72.6	74.6	75.3	74.7	73.1	71.5	69.6	66.5
	400	58.8	68.1	72.5	73.8	74.2	74.3	73.3	71.7	69.9	66.6
	500	55.5	65.3	70.3	71.6	72.3	71.7	70.9	69.9	68.6	64.5
	630	52.7	63.3	68.9	70.2	71.2	70.6	69.6	68.0	67.3	64.2
	800	53.7	64.4	69.8	71.8	71.8	71.5	71.0	68.4	66.2	64.3
	1000	65.5	74.2	81.4	84.1	87.3	88.8	86.6	85.3	81.3	79.9
	1250	64.6	74.0	80.8	84.1	87.6	89.1	86.9	85.7	81.4	80.0
	1600	52.6	64.2	69.4	71.5	72.3	72.3	71.4	69.7	68.7	64.7
	2000	57.8	68.7	74.5	77.5	77.4	78.6	76.5	74.4	72.4	69.6
	2500	56.7	70.3	74.9	77.3	77.6	78.2	76.2	74.7	71.8	69.1
	3150	56.1	69.9	75.8	78.2	79.0	78.4	76.8	76.0	72.5	69.1
	4000	52.7	66.1	74.1	76.7	77.6	77.6	76.5	75.7	72.0	68.1
	5000	51.6	65.8	75.4	76.7	78.2	78.3	77.8	77.3	73.0	69.1
	6300	47.9	65.0	73.4	76.6	78.6	78.8	78.1	77.8	74.1	69.9
	8000	39.0	59.3	68.5	73.6	75.3	76.0	74.8	74.8	71.1	66.2
	10000	28.3	52.8	64.7	69.5	71.7	72.2	72.1	72.0	68.8	62.9
OVERALL CALCULATED PNCB		72.7	82.1	88.7	90.5	92.6	93.6	91.8	90.7	87.1	85.0
		81.2	93.7	98.8	102.4	103.3	103.9	102.4	101.2	97.7	95.3



Run 41/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 28 HR. 14.7

	MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																	
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	0.	PaL
	(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.	50																	
( 5. HI)	63																	
VEHICLE UTMSTM	100	69.3	68.3	67.8	66.6	65.1	66.3	68.0	69.3	70.3	70.8	70.8						102.2
CONFIG C+1	125	76.8	77.8	76.3	74.9	74.3	73.3	71.8	73.0	73.0	73.0	73.0						107.0
LCC SCHEMECTADY	160	77.1	75.3	74.8	76.9	76.3	74.5	73.3	73.3	73.0	72.6	73.6						107.4
DATE 7/17/75	250	79.8	83.5	82.8	83.4	80.1	80.5	78.8	79.0	77.8	75.3	72.8						112.2
RJL 41/8	250	87.3	86.3	85.8	85.4	84.1	83.0	82.5	82.5	82.0	80.0	78.5						119.9
TAPE	315	91.1	90.8	89.8	89.6	87.6	85.3	83.7	83.5	83.0	81.5	80.0						118.6
BAR 30.0 HG	400	90.8	91.3	90.8	90.6	89.8	89.0	87.0	84.6	82.8	81.8	79.5						120.2
(01305. N/M2)	500	89.6	89.0	89.1	88.6	86.3	85.0	83.8	82.6	80.8	78.6	76.5						117.4
TAMB 81. DEG F	630	91.8	92.0	91.8	91.2	89.6	87.8	86.8	83.8	81.8	79.3	78.1						120.0
(300. DEG K)	800	91.1	90.3	91.1	92.4	92.1	91.0	89.5	87.6	85.5	83.1	80.5						122.0
T-ET 74. DEG F	1000	97.1	89.3	89.3	90.9	92.3	91.3	89.2	87.3	85.5	83.1	79.3						121.5
(296. DEG K)	1250	87.1	88.8	90.6	91.2	91.6	91.5	90.2	88.6	86.6	84.1	81.0						122.1
HACT 18.81 GM/M3	1600	86.1	86.6	87.1	89.2	89.1	89.3	87.5	85.1	85.1	83.2	79.8						119.7
(.61881 KG/M3)	2000	85.1	87.1	87.6	87.7	88.1	89.8	90.0	87.6	87.4	86.2	82.0						120.8
NFA 12183. RPM	2500	87.9	88.1	89.0	89.0	87.4	86.5	85.2	82.9	80.9	79.2	77.8						118.1
(1276. RAD/SEC)	3150	95.6	94.8	96.8	98.4	98.1	99.7	95.7	92.1	89.8	87.5	86.2						120.4
NFY 11933. RPM	4000	101.8	100.5	103.4	105.4	104.7	107.1	102.8	98.6	96.1	93.7	92.9						139.4
(1249. RAD/SEC)	5000	87.7	89.2	90.1	90.8	89.7	88.8	87.5	85.0	82.8	79.4	77.3						120.0
NFD 11517. RPM	6300	92.1	91.7	91.9	93.0	91.4	90.8	88.4	86.7	84.9	82.2	79.0						122.8
(1206. RAD/SEC)	8000	95.9	95.3	95.4	97.1	95.4	93.9	91.7	90.5	88.5	85.9	82.7						129.8
NO. OF BLADES 18	10000	94.8	95.4	94.8	95.8	94.7	93.1	91.3	89.5	88.4	84.6	81.8						125.1
FAN TIP SPEED 16000	12500	93.5	94.4	93.4	95.6	94.3	92.6	91.6	89.0	88.2	85.0	81.0						124.8
1364. FT/SEC	16000	94.7	94.7	93.9	94.5	95.4	93.9	92.2	90.8	89.7	86.0	81.7						126.2
	20000	94.5	94.4	94.3	95.3	95.2	94.6	92.9	91.7	90.8	87.1	83.2						127.0
	25000	91.8	92.0	91.4	92.7	92.8	91.7	90.8	88.5	87.6	84.6	80.3						124.9
	31500	89.5	89.8	89.0	90.7	90.9	89.9	87.8	86.4	85.6	82.1	77.4						123.7
	40000	85.0	85.8	84.6	85.5	86.2	84.7	84.0	81.8	81.7	78.9	74.0						120.6
	50000	79.7	80.5	79.1	82.0	80.2	79.5	79.4	76.8	77.0	71.6	68.9						117.4
	63000	71.5	71.6	70.9	74.1	71.8	70.6	71.5	69.8	70.2	65.3	61.1						112.1
	80000	70.4	70.0	68.8	71.4	70.1	70.5	70.9	70.4	71.0	68.0	61.0						115.7
OVERALL MEASURED																		
OVERALL CALCULATED		106.9	106.5	107.5	109.0	108.3	109.3	106.1	103.1	101.4	98.8	96.6						139.2
PNCB		120.6	119.9	121.7	123.2	122.5	123.8	120.4	117.1	115.0	112.8	111.2						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F., 70 PERCENT REL. HUM. HAY)																	
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.					
	(10.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50	37.8	44.9	51.4	53.5	53.4	53.3	54.1	54.3	54.0	54.8						
SIDELINE 500. FT.	63	45.4	52.4	55.5	56.9	59.2	58.6	59.7	58.9	56.5	53.9						
(152.46 M)	80	47.3	54.9	59.1	60.6	61.4	62.1	63.0	62.9	61.1	59.4						
NFA 3432. RPM	100	51.1	58.4	63.0	63.8	63.4	63.2	63.8	63.7	62.4	60.7						
( 359. RAD/SEC)	125	50.9	58.9	63.6	65.8	66.9	66.2	64.6	63.3	62.5	60.1						
NFK 3361. RPM	160	47.9	56.6	61.2	61.9	62.6	62.7	62.4	61.1	59.0	56.8						
( 352. RAD/SEC)	200	50.1	58.8	63.3	64.9	65.1	65.5	63.4	61.9	59.6	58.2						
NFD 3244. RPM	250	47.5	57.5	64.1	67.0	66.1	68.0	67.0	65.4	63.1	60.4						
( 340. RAD/SEC)	315	45.6	55.1	62.2	65.9	68.1	67.5	66.5	65.2	62.9	59.0						
AIRFLOW RATIO	400	44.1	55.7	62.0	65.8	68.0	68.2	67.5	66.0	63.7	60.5						
WF/WB 12.60	500	40.8	51.5	59.3	63.0	65.4	65.1	63.8	64.3	62.5	58.0						
	630	40.1	51.2	57.5	61.5	65.6	67.3	66.0	66.3	65.3	60.9						
	800	46.5	59.6	67.6	71.1	75.1	72.7	70.2	68.3	66.3	64.9						
VEHICLE UTWSIM	1000	50.7	65.4	74.0	77.3	82.1	79.5	76.3	74.4	72.2	71.2						
CONFIG C*1	1250	37.7	51.1	58.7	61.7	63.4	63.8	62.4	60.8	57.6	55.3						
LOC SCHENECTADY	1600	38.1	51.7	60.0	62.7	64.8	64.3	63.6	62.4	60.0	56.6						
DATE 7/17/75	2000	39.3	53.9	63.3	66.1	67.4	67.0	67.0	65.6	63.3	59.9						
RUN 41/8	2500	36.8	51.7	61.1	64.8	66.1	66.3	65.7	65.3	61.7	58.4						
TAPE	3150	31.7	48.6	59.6	63.4	64.8	65.8	64.6	64.5	61.5	57.3						
FAN TIP SPEED	4000	25.8	46.2	58.1	63.1	65.0	65.5	65.5	65.2	61.7	57.2						
1064. FT/SEC	5000	22.3	45.1	56.6	62.3	65.3	65.9	66.2	66.1	62.7	58.4						
	6300	9.4	37.2	50.7	57.5	60.5	62.0	61.6	61.6	58.9	54.2						
	8000		27.1	43.8	51.9	55.8	56.7	57.2	57.4	54.3	49.3						
	10000		12.1	32.7	42.3	46.6	49.6	49.6	50.8	46.3	43.1						
OVERALL CALCULATED		59.3	70.0	77.4	80.5	84.2	82.5	80.5	79.3	77.1	74.9						
PNCB		63.6	77.8	86.4	90.0	93.4	92.3	90.6	90.0	87.1	84.4						

	50	48.2	54.7	60.4	62.1	61.8	61.6	62.4	62.5	62.2	63.1						
SIDELINE 200. FT.	63	56.0	62.5	64.7	65.7	67.7	67.1	68.1	67.2	64.9	62.2						
( 60.96 M)	80	58.3	65.3	68.6	69.6	70.1	70.7	71.5	71.4	69.5	67.9						
	100	62.4	69.1	72.7	73.0	72.3	71.9	72.4	72.3	71.0	69.3						
	125	62.5	69.9	73.5	75.1	76.0	75.1	73.4	72.0	71.2	68.8						
	160	59.8	67.9	71.4	71.5	71.9	71.7	71.3	69.9	67.9	65.7						
	200	62.3	70.4	73.7	74.6	74.5	74.6	72.5	70.9	68.5	67.1						
	250	60.1	69.4	74.8	77.0	77.7	77.3	76.2	74.5	72.2	69.5						
	315	58.6	67.4	73.1	76.1	77.8	76.9	75.6	74.5	72.1	68.2						
	400	57.6	68.4	73.2	76.3	77.9	77.8	77.0	75.4	73.1	69.9						
	500	54.8	64.6	70.8	73.6	75.6	75.0	73.4	73.9	72.1	67.5						
	630	54.7	64.8	69.4	72.5	75.9	77.4	75.8	76.0	75.0	70.7						
	800	61.7	73.6	79.9	82.3	85.7	82.9	80.2	78.2	76.2	74.8						
	1000	66.7	79.9	86.6	88.8	93.0	90.0	86.6	84.6	82.3	81.4						
	1250	54.6	66.2	71.8	73.5	74.5	74.5	72.9	71.1	67.8	65.7						
	1600	56.1	67.8	73.6	75.0	76.4	75.3	74.4	73.1	70.6	67.2						
	2000	58.7	70.6	77.5	78.9	79.4	78.4	78.2	76.6	74.2	70.8						
	2500	57.3	69.3	75.9	78.0	78.4	78.0	77.1	76.5	72.9	69.7						
	3150	55.3	67.5	75.3	77.3	77.7	78.1	76.5	76.2	73.2	69.0						
	4000	53.3	67.0	75.1	78.1	78.8	78.6	78.1	77.6	74.0	69.6						
	5000	52.0	67.0	74.4	77.8	79.6	79.5	79.2	78.9	75.4	71.2						
	6300	45.8	62.5	70.9	74.9	76.3	76.9	75.6	75.5	72.7	68.2						
	8000	37.7	57.6	67.5	72.1	73.9	73.6	73.4	73.2	69.9	65.0						
	10000	25.7	49.8	61.3	66.2	67.9	69.3	68.4	69.1	64.4	61.4						
OVERALL CALCULATED		72.8	83.7	89.9	92.1	95.2	93.1	91.0	89.8	87.3	85.0						
PNCB		81.5	93.6	100.2	102.6	105.1	103.6	102.5	101.8	98.8	95.4						



Run 42/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 30 HR. 14.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. P, 70 PERCENT REL. HUM. HAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.																													
	(0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (2.00)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )																			
SIDELINE 500. FT. (152.40 M)	36.8	43.9	50.4	52.5	52.9	51.8	52.1	52.2	50.0	49.3	42.1	50.2	53.5	54.7	57.2	57.6	57.9	55.8	53.8	50.9	44.6	52.1	56.1	57.6	58.4	59.6	60.2	60.3	58.9	56.9
NFA 1996. RPM ( 209. RAD/SEC)	42.7	50.9	56.1	57.5	57.4	57.4	55.8	53.7	52.5	51.1	46.6	55.3	60.1	61.6	63.1	62.2	61.4	59.6	57.1	54.7	47.2	56.2	61.6	63.0	64.1	63.5	61.7	59.8	58.7	55.4
NFK 1954. RPM ( 205. RAD/SEC)	43.6	52.8	59.2	60.9	61.1	61.0	59.2	57.4	55.0	51.5	48.4	55.1	59.7	60.3	59.9	60.2	60.3	60.1	59.0	56.7	46.6	55.3	60.1	61.6	63.1	62.2	61.4	59.6	57.1	54.7
NFD 3244. RPM ( 340. RAD/SEC)	41.6	51.4	57.2	60.1	60.0	59.7	58.5	56.4	54.5	51.0	49.0	57.0	62.7	64.0	64.1	63.5	61.7	59.8	58.7	55.4	47.2	56.2	61.6	63.0	64.1	63.5	61.7	59.8	58.7	55.4
AIRFLOW RATIO NF/WF 12.60	39.3	49.0	55.2	57.7	57.7	57.4	56.2	54.2	52.3	49.0	46.6	59.0	67.0	70.0	69.1	66.8	65.2	62.7	61.1	58.2	39.3	49.0	55.2	57.7	57.7	57.4	56.2	54.2	52.3	49.0
VEHICLE UTHSIN 1000	38.5	50.6	58.6	60.8	61.1	60.2	58.2	55.4	54.3	51.4	38.5	50.6	58.6	60.8	61.1	60.2	58.2	55.4	54.3	51.4	38.5	50.6	58.6	60.8	61.1	60.2	58.2	55.4	54.3	51.4
CONFIG MCWALL 1250	41.5	53.9	60.7	63.9	66.4	66.3	63.4	61.2	57.9	55.1	41.5	53.9	60.7	63.9	66.4	66.3	63.4	61.2	57.9	55.1	41.5	53.9	60.7	63.9	66.4	66.3	63.4	61.2	57.9	55.1
LCC SCHEMECTADY 1600	37.3	50.3	57.5	61.7	62.7	62.7	60.1	57.5	54.9	52.8	37.3	50.3	57.5	61.7	62.7	62.7	60.1	57.5	54.9	52.8	37.3	50.3	57.5	61.7	62.7	62.7	60.1	57.5	54.9	52.8
DATE 7/17/75	38.6	54.0	61.0	64.2	66.7	66.2	64.4	61.4	58.3	55.3	38.6	54.0	61.0	64.2	66.7	66.2	64.4	61.4	58.3	55.3	38.6	54.0	61.0	64.2	66.7	66.2	64.4	61.4	58.3	55.3
RUN 42/1	34.4	50.5	50.1	64.4	66.1	66.2	64.5	61.1	57.9	54.6	34.4	50.5	50.1	64.4	66.1	66.2	64.5	61.1	57.9	54.6	34.4	50.5	50.1	64.4	66.1	66.2	64.5	61.1	57.9	54.6
TAPE	29.0	48.0	57.6	62.1	64.9	65.9	63.9	60.4	57.2	53.7	29.0	48.0	57.6	62.1	64.9	65.9	63.9	60.4	57.2	53.7	29.0	48.0	57.6	62.1	64.9	65.9	63.9	60.4	57.2	53.7
FAN TIP SPEED 619. FT/SEC	14.6	37.5	50.3	54.8	57.9	58.8	57.0	54.7	49.6	44.8	14.6	37.5	50.3	54.8	57.9	58.8	57.0	54.7	49.6	44.8	14.6	37.5	50.3	54.8	57.9	58.8	57.0	54.7	49.6	44.8
6300	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0
8000	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0
10000	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0	2.7	31.4	45.2	51.3	54.3	55.5	53.6	50.0	44.0	40.0
OVERALL CALCULATED	55.8	65.8	72.5	75.3	76.2	75.8	74.2	71.9	69.6	66.8	55.8	65.8	72.5	75.3	76.2	75.8	74.2	71.9	69.6	66.8	55.8	65.8	72.5	75.3	76.2	75.8	74.2	71.9	69.6	66.8
PNDR	60.0	74.4	82.5	86.3	87.9	88.3	86.5	83.5	80.3	77.0	60.0	74.4	82.5	86.3	87.9	88.3	86.5	83.5	80.3	77.0	60.0	74.4	82.5	86.3	87.9	88.3	86.5	83.5	80.3	77.0

ORIGINAL PAGE IS OF POOR QUALITY

50	47.2	53.7	59.4	61.1	61.3	60.1	60.4	60.4	58.2	57.6	52.8	60.3	62.7	63.5	65.7	66.1	66.3	64.1	61.9	59.2	55.6	62.5	65.6	66.6	67.1	68.2	68.7	68.8	67.3	65.4
SIDELINE 200. FT. ( 60.96 M)	59.7	65.8	69.4	69.5	68.8	68.9	68.9	68.7	67.5	65.3	54.2	61.9	66.0	66.9	68.5	66.3	64.6	62.4	61.2	59.8	54.0	61.9	65.9	67.0	68.4	66.0	64.8	64.1	62.2	60.4
100	58.8	66.9	70.5	71.4	72.5	71.4	70.5	68.5	66.1	63.6	59.8	68.1	72.3	73.0	73.7	72.8	70.9	69.0	67.8	64.5	56.6	65.1	70.1	71.1	70.8	70.4	68.6	66.6	64.2	60.7
125	55.1	64.1	69.0	70.5	69.9	69.3	68.0	65.8	63.9	60.4	53.3	62.1	66.8	68.4	67.3	67.2	65.9	63.7	61.8	58.5	61.2	72.5	78.9	81.0	79.4	78.9	75.1	72.4	70.8	67.9
150	49.8	61.2	67.1	69.1	69.1	69.1	66.8	64.0	61.6	58.9	58.4	69.0	73.8	75.8	77.6	77.1	73.9	71.6	68.2	65.5	55.1	66.2	71.2	74.0	74.3	73.8	70.9	68.1	65.5	63.5
200	55.4	68.0	74.9	77.8	78.4	78.0	76.0	72.3	69.1	65.9	58.0	70.7	75.2	77.0	78.6	77.6	75.5	72.3	69.2	66.3	55.4	68.0	74.9	77.8	78.4	78.0	76.0	72.3	69.1	65.9
250	48.2	63.1	69.9	73.9	74.9	74.6	72.8	69.4	64.8	60.8	48.2	63.1	69.9	73.9	74.9	74.6	72.8	69.4	64.8	60.8	44.3	59.5	68.1	70.4	72.2	72.3	70.1	67.5	61.3	57.6
315	39.1	56.8	65.4	68.6	70.1	70.3	67.9	64.0	57.9	53.9	31.2	51.8	61.5	65.6	67.5	68.0	65.8	61.5	54.3	50.2	21.0	45.5	57.2	62.0	64.2	64.2	62.3	57.9	49.8	46.1
400	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7
500	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3
OVERALL CALCULATED	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7	69.4	79.5	85.0	87.0	87.5	86.8	84.8	82.1	79.5	76.7
PNDR	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3	78.6	90.9	97.0	99.4	100.4	100.3	98.1	94.6	91.6	88.3

## Run 42/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.1

		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	Pwr
		(0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
RADIAL	17. FT.																	
	( 5. M )																	
VEHICLE	UTNSIM	125	78.8	78.3	77.0	75.6	81.1	74.3	73.3	72.8	72.9	73.4	72.3					108.4
CONFIG	HDHALL	160	78.1	76.5	75.5	77.6	79.6	75.5	74.0	73.0	72.9	70.9	70.8					108.0
LCC	SCHENECTADY	250	78.8	80.8	81.0	80.4	81.6	79.0	78.8	78.0	76.4	73.3	71.5					111.4
DATE	7/17/75	250	86.3	85.8	85.0	84.6	83.6	81.8	82.0	81.5	81.7	79.8	78.0					115.3
RUN	42/2	315	98.1	90.0	88.8	88.4	86.8	84.0	83.2	82.5	81.9	80.6	79.0					117.6
TAPE	400	400	86.3	86.0	85.8	86.1	85.1	83.5	81.5	79.3	75.9	75.4	74.0					115.0
BAR	30.0 HG	500	85.3	85.3	84.8	84.9	83.8	81.5	79.8	78.3	76.7	75.1	72.0					113.8
	(01212. N/H2)	630	90.1	90.0	89.6	89.7	88.3	86.8	85.3	83.1	80.5	78.6	76.1					116.0
TANE	83. DEG F	800	92.6	92.3	92.1	92.6	91.1	89.5	87.5	85.3	83.5	81.1	78.5					121.2
	(301. DEG K)	1000	90.6	90.3	90.3	90.9	89.6	87.8	85.5	82.6	81.2	79.1	75.8					119.3
T-ET	75. DEG F	1250	90.1	89.8	90.3	90.4	89.6	87.8	85.7	83.4	81.3	78.7	75.3					119.3
	(297. DEG K)	1600	88.1	87.6	87.3	87.7	87.6	84.8	82.7	79.6	77.8	76.0	73.3					116.8
HACT	19.17 GM/H3	2000	86.4	86.8	87.1	87.5	86.9	84.3	83.0	79.9	77.3	75.5	72.8					116.2
	(.01917 KG/M3)	2500	95.4	96.1	97.3	101.2	96.6	94.0	93.9	91.4	89.1	87.5	84.5					127.5
NFA	8293. RPM	3150	86.6	86.6	87.0	88.2	89.6	86.0	84.4	81.6	78.3	75.0	73.7					117.7
	( 868. RAD/SEC)	4000	87.8	87.5	88.4	89.9	89.5	88.9	87.1	84.6	81.5	78.7	76.8					119.4
NFK	8108. RPM	5000	93.2	93.4	94.4	96.8	94.7	95.5	94.5	91.2	88.2	84.5	83.1					126.0
	( 849. RAD/SEC)	6300	96.1	95.7	95.7	96.2	95.6	93.3	91.9	88.7	85.5	82.3	79.9					125.1
NFD	11517. RPM	8000	98.4	97.3	97.4	99.4	95.4	96.7	95.4	92.3	88.6	85.4	82.4					128.2
	(1208. RAD/SEC)	10000	94.6	96.4	96.8	98.8	98.2	98.1	96.1	93.5	89.6	86.1	82.6					128.6
NO. OF BLADES	18	12500	92.3	92.9	93.1	95.6	95.8	95.1	94.8	92.5	89.6	84.5	80.5					126.5
FAN TIP SPEED	16000	20000	89.7	90.2	90.2	93.0	93.7	92.9	91.0	88.3	85.6	78.8	75.7					123.0
	724. FT/SEC	25000	88.0	89.4	89.8	90.8	92.7	91.1	89.2	86.2	83.2	75.9	72.7					122.7
		31500	86.8	87.7	87.6	88.7	91.8	89.2	87.6	83.5	80.6	73.9	68.8					121.6
		40000	84.8	85.5	85.5	87.2	88.4	87.4	85.0	82.1	78.5	70.6	65.7					120.2
		50000	81.5	82.3	80.9	83.5	88.2	82.7	80.5	77.0	74.7	65.4	61.5					116.7
		63000	77.2	77.5	76.6	79.5	80.7	78.2	76.7	72.6	70.2	60.6	58.9					115.8
		80000	78.5	78.6	69.6	72.3	84.0	74.9	70.3	67.8	63.1	56.6	52.2					116.8
			70.4	70.1	68.8	71.4	79.7	75.0	70.9	70.4	61.2	58.3	61.1					118.1
OVERALL MEASURED																		
OVERALL CALCULATED			105.2	105.3	105.6	107.5	106.5	105.2	103.8	101.1	98.2	94.9	92.2					136.8
PNDR			117.0	117.2	117.8	120.3	117.8	116.2	115.0	112.3	109.8	107.9	105.1					

Run 42/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 HR. 14.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. WAVE)											
FREQ. (0.	ANGLES FROM INLET IN DEGREES (AND RADIAN)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
10.	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
SIDELINE 500. FT.	50	39.0	45.7	52.1	56.7	54.4	54.1	53.9	54.2	52.3	51.8
(152.40 M)	63	42.6	50.7	54.5	58.4	57.7	58.6	58.7	57.5	54.8	52.7
NFA 2338. RPM	80	46.8	54.1	58.3	60.1	60.2	61.6	62.0	62.6	60.9	58.9
(245. RAD/SEC)	100	50.4	57.4	61.7	63.1	62.2	62.7	62.8	62.6	61.5	59.7
NFA 2284. RPM	125	45.7	53.9	59.1	61.0	61.4	60.7	59.3	57.5	56.0	54.6
(239. RAD/SEC)	160	44.1	52.3	57.4	59.4	59.1	58.7	58.1	57.0	55.6	53.1
NFA 3244. RPM	200	46.1	56.5	61.8	63.6	64.1	64.0	62.7	60.6	58.9	56.2
(340. RAD/SEC)	250	49.5	58.5	64.4	66.1	66.6	66.0	64.7	63.3	61.2	58.4
AIRFLOW RATIO	315	46.6	56.1	62.2	64.2	64.6	63.7	61.7	60.9	59.0	55.5
WF/WH 12.60	400	45.1	55.4	61.2	63.8	64.2	63.7	62.3	60.7	58.3	54.7
VEHICLE	500	41.8	51.8	58.0	61.5	60.9	60.6	58.5	57.0	55.3	52.5
UTMSIM	630	49.2	61.0	71.0	70.1	69.8	71.3	69.8	68.0	66.6	63.4
CONFIG	800	38.3	49.9	57.4	62.6	61.4	61.4	59.7	56.9	54.9	52.4
HDWALL	1000	37.8	50.4	58.5	62.0	63.9	63.7	62.3	59.8	57.3	55.0
LOC SCHENECTADY	1250	42.0	55.3	64.7	68.7	70.1	70.8	68.6	66.2	62.7	61.1
DATE 7/17/75	1600	42.1	55.4	63.3	67.0	67.3	67.8	65.6	63.1	60.1	58.6
RUN 42/2	2000	41.3	55.9	65.5	69.1	70.2	70.8	68.8	65.8	62.8	59.8
TAPE	2500	37.8	54.0	64.2	68.3	71.1	71.0	69.7	66.4	63.2	59.4
FAN TIP SPEED	3150	30.2	48.4	59.6	64.9	67.3	69.1	68.1	65.9	61.1	57.1
724. FT/SEC	4000	21.3	42.4	55.1	61.3	64.0	64.3	63.0	61.1	54.5	51.2
OVERALL CALCULATED	5000	17.3	40.6	52.1	59.8	61.8	62.2	60.7	58.5	51.5	47.9
PND8	6300	5.1	33.4	46.7	56.5	58.0	59.0	56.6	54.5	48.2	42.7
	8000		23.6	40.3	49.4	53.3	54.0	53.0	50.4	42.8	37.5
	10000		8.4	29.7	44.3	44.6	46.1	44.9	43.7	34.9	30.6
		58.1	68.0	75.8	78.0	79.2	79.6	78.1	76.0	73.4	70.6
		62.6	76.6	86.0	90.0	91.9	92.1	90.7	88.3	84.6	81.1

SIDELINE 200. FT.	50	49.5	55.5	61.1	65.3	62.8	62.4	62.1	62.4	60.5	60.1
(60.96 M)	63	53.3	60.8	63.7	67.2	66.2	67.1	67.1	65.9	62.9	61.0
	80	57.8	64.5	67.3	69.1	68.9	70.2	70.5	71.0	69.3	67.4
	100	61.7	68.1	71.4	72.2	71.1	71.4	71.4	71.2	70.0	68.3
	125	57.2	64.9	69.0	70.4	70.5	69.6	68.1	66.2	64.7	63.3
	160	56.0	63.6	67.6	69.0	68.4	67.7	67.0	65.8	64.4	61.9
	200	60.3	68.1	72.2	73.4	73.5	73.1	71.7	69.5	67.8	65.1
	250	62.1	70.4	75.1	76.0	76.2	75.3	73.9	72.5	70.3	67.5
	315	59.6	68.4	73.1	74.4	74.3	73.2	71.1	70.1	68.2	64.7
	400	58.6	68.1	72.5	74.3	74.2	73.3	71.8	70.1	67.7	64.1
	500	55.8	64.8	69.6	72.1	71.1	70.5	68.2	66.5	64.9	62.0
	630	63.7	74.5	82.9	81.0	80.2	81.4	79.6	77.7	76.4	73.2
	800	53.5	63.9	69.6	73.8	72.0	71.7	69.7	66.9	64.8	62.3
	1000	53.7	65.0	71.1	73.5	74.6	74.2	72.6	70.0	67.4	65.1
	1250	58.9	70.5	77.8	78.5	81.3	81.5	79.1	76.6	73.0	71.4
	1600	60.1	71.3	76.9	79.3	78.9	78.8	76.4	73.8	70.7	67.2
	2000	60.7	72.6	79.7	81.9	82.1	82.2	79.9	76.8	73.8	70.6
	2500	58.8	71.5	78.9	81.5	83.4	82.8	81.1	77.7	74.4	70.7
	3150	53.8	67.2	75.3	78.8	80.2	81.4	80.0	77.6	72.7	68.8
	4000	48.8	63.3	72.1	76.3	77.8	77.3	75.6	73.5	66.8	63.6
	5000	47.0	62.5	69.9	75.3	76.1	75.7	73.7	71.3	64.2	60.7
	6300	41.5	58.8	66.9	73.9	73.8	73.9	70.9	68.5	62.0	56.7
	8000	33.5	54.1	64.0	69.6	71.4	70.8	69.1	66.1	58.5	53.3
	10000	22.2	46.1	58.3	68.3	65.9	65.8	63.6	62.0	53.0	48.9
OVERALL CALCULATED		71.7	81.8	87.4	90.0	90.7	90.7	88.9	86.5	83.5	80.6
PND8		81.3	93.4	100.4	103.1	104.2	103.9	102.1	99.7	95.7	92.3

## Run 42/Reading 3

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 30 HR. 14.1															
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. PNL		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.
		(0. 10. 17.)	(0. 35)	(0. 52)	(0. 70)	(0. 87)	(1. 05)	(1. 22)	(1. 40)	(1. 57)	(1. 75)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)	(0. 10.)
RADIAL	50																
	63																
	80																
( 5. M)	100	70.8	70.3	69.5	68.4	66.3	67.3	69.3	71.5	72.8	72.8	73.1					104.3
VEHICLE	125	79.8	79.5	78.0	76.6	76.8	75.3	73.8	74.0	74.0	73.8	73.3					108.3
CONFIG	160	79.6	77.3	76.5	79.1	78.6	76.5	74.8	73.5	73.8	71.3	71.1					108.5
LOC	200	79.3	82.0	82.0	80.9	79.8	79.5	79.5	78.8	77.3	74.3	72.5					111.8
DATE	250	87.5	86.8	86.0	85.6	84.3	83.3	83.0	83.3	82.7	81.3	79.5					116.4
RUN	315	91.8	91.5	90.8	90.1	88.6	88.0	84.5	84.3	83.5	82.3	80.5					119.3
TAPE	400	88.8	88.8	88.0	88.4	87.3	86.0	83.8	82.1	79.8	78.1	76.5					117.4
BAR	500	87.1	87.3	86.8	86.9	85.3	83.3	81.5	80.6	78.8	77.1	74.8					115.7
(01212. N/M2)	630	99.6	91.3	90.6	91.2	89.3	88.1	86.0	84.3	82.0	79.1	77.1					119.7
TAMB	800	93.3	93.3	93.1	93.6	92.3	91.0	89.0	87.1	85.3	82.8	79.8					122.5
(301. DEG K)	1000	90.3	91.0	91.6	92.6	91.6	89.3	87.2	85.1	82.8	80.1	77.3					121.0
T-ET	1250	91.9	92.3	92.1	92.2	91.4	89.8	87.5	85.1	82.8	81.1	78.1					121.1
(297. DEG K)	1600	91.6	90.8	89.6	89.7	87.9	86.8	84.5	81.4	79.4	77.9	75.3					118.3
HACT	2000	86.6	88.1	88.1	87.2	86.1	85.3	83.2	80.9	77.9	76.2	74.0					116.5
(.01917 KG/M3)	2500	95.6	95.6	96.5	96.5	93.6	94.5	94.9	91.4	89.1	86.5	83.8					126.0
NFA	3150	97.3	97.3	99.0	98.7	95.3	96.2	97.2	94.6	91.6	89.2	86.0					126.3
( 992. RAD/SEC)	4000	87.0	88.7	88.7	89.9	89.2	88.9	88.3	85.8	83.1	80.2	77.9					119.9
NFK	5000	92.7	92.4	93.9	94.8	94.2	94.5	94.2	91.7	88.8	84.9	83.1					125.4
( 976. RAD/SEC)	6300	95.4	96.0	96.4	97.5	96.8	96.8	96.9	94.7	91.9	87.7	85.7					129.1
NFD	8000	96.7	97.1	97.9	99.4	98.2	97.7	96.9	94.3	91.2	87.1	84.4					128.6
(1206. RAD/SEC)	10000	95.3	96.6	96.3	98.3	98.0	97.4	96.1	93.5	90.9	86.8	83.8					128.4
NO. OF BLADES	12500	94.3	95.4	95.8	98.1	97.8	98.1	96.1	94.8	92.4	87.7	83.8					128.8
FAN TIP SPEED	16000	91.7	92.9	92.2	95.5	94.7	94.9	94.5	92.0	89.9	84.0	80.7					126.5
( 827. FT/SEC)	20000	89.5	90.9	91.8	93.1	93.4	93.4	92.2	89.0	87.6	81.1	77.2					124.9
	25000	88.0	89.0	89.6	90.9	91.6	91.2	90.1	87.0	84.6	78.9	73.8					123.4
	31500	85.8	86.5	86.2	89.0	89.4	88.9	87.5	85.1	82.6	76.3	70.4					122.1
	40000	82.0	82.6	82.6	84.7	84.7	83.7	83.0	80.5	79.0	70.6	66.0					118.9
	50000	77.0	78.0	77.6	80.0	78.9	78.2	78.4	75.6	74.6	65.8	61.6					115.7
	63000	70.0	69.9	69.9	72.1	70.8	69.7	71.0	69.3	68.4	63.3	58.9					111.0
	80000	70.4	70.1	68.8	71.4	70.2	70.5	70.9	70.4	71.0	68.0	61.1					119.7
OVERALL MEASURED																	
OVERALL CALCULATED		106.1	106.5	107.0	108.0	106.9	106.7	106.0	103.6	101.3	97.4	94.8					138.2
PNL		118.9	119.1	119.9	120.1	117.9	118.0	118.0	115.6	112.9	110.3	107.6					

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
50	39.8	46.7	53.6	59.7	65.4	70.8	75.4	79.4	83.1	86.5	89.7
63	43.9	51.7	58.0	63.7	68.8	73.6	78.0	82.0	85.7	89.1	92.3
SIDELINE 500. FT. (152.40 M)	47.8	55.1	60.3	65.0	69.3	73.7	77.7	81.4	84.8	88.0	91.1
100	51.9	59.4	63.5	67.8	71.6	75.4	78.9	82.1	85.1	87.9	90.5
NFA 2669. RPM (279. RAD/SEC)	48.4	56.1	61.4	66.3	70.9	75.4	79.4	83.1	86.5	89.7	92.8
125	46.1	54.3	59.4	63.9	67.9	71.6	75.0	78.0	80.7	83.1	85.3
NFK 2609. RPM (273. RAD/SEC)	49.3	57.5	63.3	68.6	73.3	77.5	81.1	84.1	86.8	89.3	91.7
250	50.5	59.5	65.4	70.3	74.7	78.6	82.0	84.9	87.5	89.9	92.2
NFD 3244. RPM (340. RAD/SEC)	47.3	57.3	63.0	68.2	72.8	76.9	80.4	83.4	86.0	88.4	90.7
400	47.6	57.2	63.0	68.6	73.4	77.6	81.1	84.0	86.6	88.9	91.2
AIRFLOW RATIO	45.1	54.0	60.0	65.7	70.9	75.4	79.4	83.1	86.5	89.7	92.8
WF/W 12.6C	48.7	60.2	66.3	71.7	76.3	80.1	83.4	86.1	88.6	90.9	93.1
800	49.0	61.9	67.9	73.3	78.0	81.8	84.7	87.2	89.5	91.7	93.8
VEHICLE UTMSIM 1000	39.0	50.7	58.5	64.8	70.6	75.4	79.4	83.1	86.5	89.7	92.8
CONFIG HDWALL 1250	41.0	54.8	62.7	68.2	72.9	76.8	80.1	82.8	85.3	87.6	89.8
LOC SCHEMECTADY 1600	42.3	56.2	64.5	70.0	74.8	78.8	82.1	84.8	87.3	89.6	91.8
DATE 7/17/75 2000	41.1	56.4	65.5	71.0	75.8	79.8	83.1	85.8	88.3	90.6	92.8
RUN 42/3 2500	38.0	53.5	63.7	69.0	73.8	77.7	81.1	83.8	86.3	88.6	90.8
TAPE 3150	32.7	50.9	62.1	68.9	74.3	78.3	81.7	84.4	86.8	89.1	91.3
FAN TIP SPEED 4000	24.1	44.4	57.6	62.3	66.0	68.8	71.6	74.1	76.5	78.8	81.0
827. FT/SEC 5000	18.8	42.6	54.4	60.5	64.0	66.2	68.4	70.6	72.7	74.7	76.6
6300	6.4	35.4	49.0	56.3	60.0	61.5	62.1	62.8	63.4	64.0	64.6
8000		24.3	42.1	50.4	54.8	56.5	56.0	54.4	48.5	42.3	
10000		10.1	31.0	40.8	45.6	48.6	48.4	48.1	40.1	35.1	
OVERALL CALCULATED	59.6	69.6	76.1	82.6	88.8	91.9	93.0	93.8	94.4	94.9	95.4
PNCB	63.7	77.8	86.5	90.3	93.1	93.7	93.0	91.3	87.3	83.7	

50	50.2	56.5	62.6	64.3	63.8	63.1	62.6	63.3	60.9	60.6
63	54.5	61.8	64.2	65.5	66.7	67.8	67.8	66.7	63.9	62.0
SIDELINE 200. FT. (60.96 M)	58.8	65.5	68.8	69.8	70.4	71.2	72.2	72.1	70.8	68.9
100	63.2	70.1	73.2	74.0	73.1	72.6	73.2	72.8	71.7	69.8
125	60.0	67.1	71.3	72.6	73.0	71.8	70.9	69.0	67.4	65.8
160	56.0	65.6	69.6	70.5	70.1	69.5	69.3	67.9	66.4	63.9
200	61.6	69.1	73.7	74.4	74.6	73.9	73.0	71.1	68.3	66.1
250	63.1	71.4	76.1	77.3	77.7	76.8	75.7	74.3	72.0	68.8
315	60.3	69.5	74.9	76.4	75.8	74.9	73.6	71.7	69.1	66.2
400	61.1	69.9	74.2	76.0	76.2	75.1	73.5	71.7	70.1	66.9
500	59.0	67.1	71.6	72.4	73.1	72.0	69.7	68.1	66.8	64.0
630	63.2	73.8	78.1	78.0	80.7	82.4	79.6	77.8	75.3	72.4
800	64.2	75.9	80.1	79.5	82.2	84.4	82.7	80.2	78.0	74.5
1000	55.0	65.2	71.1	73.3	74.8	75.5	73.8	71.6	68.8	66.4
1250	57.9	70.0	75.8	78.0	80.3	81.3	79.6	77.1	73.4	71.4
1600	60.4	72.0	78.1	80.3	82.4	83.8	82.4	80.1	76.1	74.0
2000	60.5	73.1	79.7	81.6	83.1	83.7	81.9	79.4	75.5	72.6
2500	59.1	71.0	78.4	81.2	82.7	82.8	81.1	79.0	75.1	71.9
3150	56.3	69.7	77.5	80.8	83.2	82.6	82.3	80.4	75.9	71.8
4000	51.6	65.3	74.6	77.3	79.8	80.8	79.4	77.8	72.0	68.6
5000	48.5	64.5	72.2	76.1	78.3	78.7	76.5	75.6	69.4	65.2
6300	42.8	60.8	69.1	73.7	75.8	76.4	74.4	72.5	67.0	61.7
8000	34.5	54.8	65.7	70.6	72.9	73.3	72.1	70.2	64.2	58.0
10000	22.5	47.8	59.5	64.8	66.9	68.3	67.1	66.3	58.2	53.4
OVERALL CALCULATED	73.2	83.3	88.8	90.5	92.2	92.9	91.4	89.4	85.9	83.0
PNCB	82.4	94.2	101.1	103.7	105.6	105.6	104.6	102.8	98.6	95.0

ORIGINAL PAGE IS OF POOR QUALITY



## Run 42/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 30 HR. 14.2																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.	PWL
FREQ. (0. 1(0.17)10.35(0.52)10.70(0.07)(1.05)(1.22)(1.40)(1.57)(1.75)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)																		
	50																	
	63																	
RADIAL 17. FT.	80																	
( 5. M)	100	72.1	71.5	70.5	69.4	67.1	67.3	70.0	72.0	73.3	74.1	73.6						105.0
VEHICLE	UT-SIM	125	79.8	79.8	78.5	76.9	76.6	75.5	74.0	74.5	74.8	74.1	73.3					108.6
CONFIG	HWALL	160	79.3	77.3	76.5	78.9	78.3	76.5	74.8	74.5	74.0	72.3	72.8					108.7
LOC	SCHENECTADY	200	80.1	82.3	82.3	81.8	80.8	80.3	79.8	79.5	78.0	75.5	73.5					112.4
DATE	7/17/75	250	88.5	87.8	87.0	86.9	85.1	84.5	84.2	83.8	84.0	82.3	80.3					117.5
RUN	42/4	315	92.1	92.5	91.3	91.6	88.8	87.0	85.5	84.8	83.5	82.5	81.0					120.1
TAPE		400	90.6	90.3	89.3	89.9	88.6	87.5	86.0	83.8	81.5	80.1	78.0					119.0
GAP	30.0 HG	500	87.8	88.0	88.6	88.6	86.1	85.0	84.0	82.6	81.0	79.3	77.3					117.4
(01212. N/M2)		630	90.3	90.3	90.3	90.2	88.6	88.1	86.0	84.3	81.8	79.3	77.0					119.3
TANB	83. DEG F	800	92.8	92.5	92.6	93.4	92.3	91.3	89.5	87.6	85.0	83.3	80.5					122.5
(301. DEG K)		1000	90.8	91.5	91.8	92.6	91.8	90.3	88.0	85.6	84.0	81.6	78.3					121.5
T-RET	75. DEG F	1250	92.6	92.8	92.6	92.9	91.4	89.5	88.0	85.9	84.1	81.9	78.8					121.5
(297. DEG K)		1600	91.2	91.3	90.6	90.5	89.1	87.5	86.0	83.4	81.6	79.9	77.0					119.4
HACT	19.17 G4/M3	2000	85.6	87.6	87.6	87.7	86.6	86.8	86.0	82.9	81.1	79.5	77.0					117.8
(.01917 KG/M3)		2500	88.1	89.1	88.8	90.0	88.9	87.7	86.9	85.1	82.6	80.5	78.3					119.4
NFA	10664. RPM	3150	98.8	102.1	103.0	104.2	102.3	101.2	101.7	100.1	98.1	95.5	93.0					133.6
(1117. RAD/SEC)		4000	89.3	90.7	91.2	92.6	91.2	90.9	91.3	88.8	86.8	83.9	81.1					122.8
NFK	10426. RPM	5000	89.5	90.9	91.9	93.1	91.7	91.3	90.5	88.7	86.3	83.2	80.8					122.8
(1092. RAD/SEC)		6300	96.9	99.7	100.4	101.5	99.9	100.0	99.2	96.4	94.1	90.5	88.7					131.1
HFD	11517. RPM	8000	93.9	94.6	95.7	95.9	95.2	93.9	92.7	91.3	88.2	85.1	82.4					125.8
(1206. RAD/SEC)		10000	95.1	98.6	99.8	100.1	99.5	98.1	97.8	96.0	93.7	90.1	85.8					130.2
NO. OF BLADES	18	12500	94.8	95.6	96.9	98.8	99.3	98.1	97.8	94.5	93.9	89.5	85.5					129.7
FAN TIP SPEED		16000	91.9	92.7	93.4	96.2	95.4	95.7	94.7	92.8	91.4	86.0	82.5					127.2
931. FT/SEC		20000	91.0	92.4	92.8	94.6	94.7	94.6	93.4	91.7	90.3	85.4	81.2					126.8
		25000	88.8	91.0	90.6	92.7	92.8	92.5	91.9	89.8	87.9	83.6	78.3					125.3
		31500	87.0	88.5	87.7	91.0	91.1	90.7	89.5	87.4	85.8	81.6	75.2					124.1
		40000	83.3	84.1	83.6	86.7	86.7	85.7	85.5	83.0	81.7	76.4	71.0					121.1
		50000	78.5	78.7	78.6	81.5	80.9	79.7	80.9	77.8	77.8	70.0	66.4					117.7
		63000	70.5	70.6	70.6	74.1	72.3	71.4	72.5	70.6	70.2	65.0	60.7					112.5
		80000	70.4	70.1	68.8	71.4	70.2	70.5	70.9	70.4	71.0	68.0	61.1					115.7
OVERALL MEASURED																		107.7
OVERALL CALCULATED		106.1	107.9	108.5	109.6	108.5	107.7	107.2	105.2	103.3	100.0	97.2						107.7
PND8		119.3	121.5	122.1	123.0	121.4	120.4	120.2	118.5	116.5	114.0	111.5						115.7

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159. DEG. P. 70 PERCENT WEL. HUM. MAY

FREQ. (0.)	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	10.	20.	30.	40.	50.
SIDELINE 500. FT. (152.40 M)	39.9	44.1	48.8	52.9	56.9	60.7	64.2	67.3	70.0	72.9	75.1	77.0	78.3	79.3	80.0	80.5	80.7
NFA 3004. RPM (314. RAD/SEC)	49.9	46.9	48.3	49.7	47.8	48.1	45.6	40.6	40.8	40.6	40.8	52.3	39.3	37.3	43.6	35.9	35.7
NFK 2937. RPM (307. RAD/SEC)	57.4	56.1	57.3	59.0	57.6	57.7	55.0	51.2	51.6	51.2	51.6	65.0	52.1	51.5	58.7	52.8	54.8
NFD 3244. RPM (340. RAD/SEC)	62.9	60.6	62.3	65.1	63.7	63.7	60.8	60.1	59.1	60.1	60.8	72.8	60.5	62.9	67.5	65.1	63.9
AIRFLOW RATIO WF/WK 12.60	68.4	61.6	62.9	65.1	65.6	66.0	63.0	60.1	61.8	62.6	62.0	74.8	63.2	65.2	66.8	66.6	68.4
VEHICLE CONFIG	64.9	61.2	63.9	64.9	64.8	65.9	63.7	62.6	63.1	63.3	60.8	76.2	65.4	66.2	67.5	66.8	70.1
LGC SCHENECTADY	63.4	60.7	61.9	63.4	63.5	64.8	63.0	62.0	63.2	62.0	60.8	77.8	66.2	65.6	67.3	66.8	71.9
DATE 7/17/75	59.8	57.6	59.6	60.4	61.9	62.4	60.4	60.4	61.2	61.2	59.3	64.0	66.2	63.8	62.9	62.9	74.4
RUH 42/4	59.6	57.7	59.6	60.4	61.7	62.4	60.4	60.4	61.2	61.2	59.3	64.9	66.8	63.8	62.9	62.9	74.4
TAPE	60.7	58.6	59.6	60.4	61.7	62.4	60.4	60.4	61.2	61.2	59.3	64.9	66.8	63.8	62.9	62.9	74.4
FAN TIP SPEED 931. FT/SEC	60.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
OVERALL CALCULATED	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
PNDB	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9

SIDELINE 200. FT. (60.96 M)	50.2	54.8	59.8	64.2	68.9	72.7	76.6	80.6	84.8	89.2	93.8	98.6	103.6	108.8	114.2	119.8	125.6
50	50.2	56.3	62.4	68.5	74.6	80.7	86.8	92.9	99.0	105.1	111.2	117.3	123.4	129.5	135.6	141.7	147.8
63	54.8	62.0	69.1	76.2	83.3	90.4	97.5	104.6	111.7	118.8	125.9	133.0	140.1	147.2	154.3	161.4	168.5
80	59.8	66.5	73.2	80.3	87.4	94.5	101.6	108.7	115.8	122.9	130.0	137.1	144.2	151.3	158.4	165.5	172.6
100	64.2	70.6	77.7	84.8	91.9	99.0	106.1	113.2	120.3	127.4	134.5	141.6	148.7	155.8	162.9	170.0	177.1
125	61.5	68.4	75.3	82.2	89.1	96.0	102.9	109.8	116.7	123.6	130.5	137.4	144.3	151.2	158.1	165.0	171.9
160	58.8	67.4	75.9	84.4	92.9	101.4	109.9	118.4	126.9	135.4	143.9	152.4	160.9	169.4	177.9	186.4	194.9
200	60.6	68.9	77.2	85.5	93.8	102.1	110.4	118.7	127.0	135.3	143.6	151.9	160.2	168.5	176.8	185.1	193.4
250	62.4	70.9	79.2	87.5	95.8	104.1	112.4	120.7	129.0	137.3	145.6	153.9	162.2	170.5	178.8	187.1	195.4
315	60.8	69.9	78.9	87.8	96.7	105.6	114.5	123.4	132.3	141.2	150.1	159.0	167.9	176.8	185.7	194.6	203.5
400	61.6	70.4	79.2	88.0	96.8	105.6	114.4	123.2	132.0	140.8	149.6	158.4	167.2	176.0	184.8	193.6	202.4
500	59.5	68.1	76.7	85.3	93.9	102.5	111.1	119.7	128.3	136.9	145.5	154.1	162.7	171.3	179.9	188.5	197.1
630	55.2	64.8	74.4	83.0	91.6	100.2	108.8	117.4	126.0	134.6	143.2	151.8	160.4	169.0	177.6	186.2	194.8
800	56.0	65.6	75.2	83.8	92.4	101.0	109.6	118.2	126.8	135.4	144.0	152.6	161.2	169.8	178.4	187.0	195.6
1000	68.3	79.5	90.7	101.9	113.1	124.3	135.5	146.7	157.9	169.1	180.3	191.5	202.7	213.9	225.1	236.3	247.5
1250	56.1	67.3	78.5	89.7	100.9	112.1	123.3	134.5	145.7	156.9	168.1	179.3	190.5	201.7	212.9	224.1	235.3
1600	55.3	67.4	79.5	91.6	103.7	115.8	127.9	140.0	152.1	164.2	176.3	188.4	200.5	212.6	224.7	236.8	248.9
2000	63.0	75.5	88.0	100.5	113.0	125.5	138.0	150.5	163.0	175.5	188.0	200.5	213.0	225.5	238.0	250.5	263.0
2500	56.9	70.3	83.7	97.1	110.5	123.9	137.3	150.7	164.1	177.5	190.9	204.3	217.7	231.1	244.5	257.9	271.3
3150	59.3	73.6	87.9	102.2	116.5	130.8	145.1	159.4	173.7	188.0	202.3	216.6	230.9	245.2	259.5	273.8	288.1
4000	54.0	69.8	85.6	101.4	117.3	133.2	149.1	165.0	180.9	196.8	212.7	228.6	244.5	260.4	276.3	292.2	308.1
5000	49.8	65.8	81.7	97.6	113.5	129.4	145.3	161.2	177.1	193.0	208.9	224.8	240.7	256.6	272.5	288.4	304.3
6300	45.6	63.3	81.1	98.8	116.5	134.2	151.9	169.6	187.3	205.0	222.7	240.4	258.1	275.8	293.5	311.2	328.9
8000	38.0	58.3	78.6	98.9	119.2	139.5	159.8	180.1	200.4	220.7	241.0	261.3	281.6	301.9	322.2	342.5	362.8
10000	27.0	51.5	74.5	97.5	120.5	143.5	166.5	189.5	212.5	235.5	258.5	281.5	304.5	327.5	350.5	373.5	396.5
OVERALL CALCULATED	73.9	84.3	94.7	105.1	115.5	125.9	136.3	146.7	157.1	167.5	177.9	188.3	198.7	209.1	219.5	229.9	240.3
PNDB	83.3	96.0	108.7	121.4	134.1	146.8	159.5	172.2	184.9	197.6	210.3	223.0	235.7	248.4	261.1	273.8	286.5

Run 42/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 HR. 14.2

	MODEL SOUND PRESSURE LEVELS (90, DEG. F., 70 PERCENT REL. HUM. DAY)													PWL			
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.		0.	0.	0.
FREQ.	(10.)	(10.17)	(10.35)	(10.52)	(10.70)	(10.87)	(11.05)	(11.22)	(11.40)	(11.57)	(11.75)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																
	63																
RACIAL 17. FT.	80																
( 5. M)	100	71.6	71.5	70.3	68.9	66.8	67.5	69.8	71.8	73.3	73.8	73.3					104.9
VEHICLE UTHSIM	125	79.8	79.8	78.3	76.9	76.8	75.5	74.0	74.8	75.3	74.6	74.3					108.8
CONFIG HCNALL	160	79.3	77.5	76.5	78.9	78.3	77.0	75.0	74.8	74.5	73.1	73.1					108.9
LCC SCHENECTADY	200	80.6	82.8	82.5	81.9	81.3	81.0	80.3	80.0	79.0	76.0	74.5					113.8
DATE 7/17/75	250	88.8	87.8	87.3	86.6	85.3	84.5	84.0	84.0	84.0	82.0	80.5					117.5
PUN 42/5	315	92.3	92.5	91.3	91.1	88.8	87.0	85.5	84.3	83.5	82.5	81.3					119.9
TAPE	400	90.6	90.3	90.3	90.1	89.1	88.0	86.5	84.1	82.3	81.1	78.8					119.5
GAP 30.0 HG	500	89.1	89.3	89.1	88.9	87.6	86.0	85.0	83.8	82.5	80.8	78.8					118.4
(01212. N/M2)	630	91.1	91.3	90.8	90.4	89.8	88.6	87.3	85.3	83.3	80.6	78.6					120.1
TAMB 83. DEG F	800	92.8	92.5	92.6	93.1	92.1	91.5	89.2	87.6	85.3	82.8	80.3					122.4
(301. DEG K)	1000	90.8	90.8	91.8	92.9	92.1	89.8	88.0	85.8	84.3	81.3	78.5					121.5
TRET 76. DEG F	1250	92.1	92.3	92.8	92.7	91.9	89.8	88.2	86.1	84.3	82.1	79.3					121.7
(298. DEG K)	1600	91.1	90.3	89.6	91.0	89.4	88.0	85.7	83.4	81.9	79.7	77.3					119.4
HACT20.18 GM/H3	2000	85.4	86.3	87.1	88.0	87.6	87.3	86.7	84.4	81.6	80.2	77.0					118.3
(.02018 KG/H3)	2500	86.9	88.6	89.8	89.7	89.4	89.2	89.2	88.1	85.1	83.2	80.5					120.8
NFA 11246. RPM	3150	103.3	103.3	106.3	106.2	104.6	103.5	103.4	102.1	100.4	98.0	95.5					135.8
(1177. RAD/SEC)	4000	94.8	94.7	97.2	97.9	96.2	95.4	95.1	93.6	92.1	89.2	86.6					127.4
NFK 10995. RPM	5000	89.0	90.4	90.9	91.8	91.4	91.3	90.0	88.7	86.5	83.4	81.1					122.3
(1151. RAD/SEC)	6300	97.1	99.0	101.7	101.2	100.4	99.3	98.4	96.9	95.6	92.0	88.5					131.2
NFD 11517. RPM	8050	92.4	94.3	95.4	95.9	95.2	93.9	92.7	91.8	89.5	86.1	83.2					125.8
(1206. RAD/SEC)	10000	96.6	98.1	99.3	100.8	99.5	98.8	97.3	95.3	93.7	90.6	86.8					130.3
NO. OF BLADES 18	12500	94.8	96.1	95.9	98.3	97.3	97.1	96.0	94.3	93.4	89.2	85.0					128.7
FAN TIP SPEED	16000	92.4	93.2	93.2	96.5	95.4	95.2	93.7	92.0	90.4	86.4	82.7					128.0
982. FT/SEC	20000	91.3	92.4	93.0	94.3	94.6	94.1	92.9	90.9	89.8	85.9	81.9					128.3
	25000	90.7	90.9	90.8	92.6	93.0	92.4	91.6	88.7	88.1	84.1	79.0					129.2
	31500	87.7	88.4	88.6	91.2	90.8	90.3	89.7	87.6	86.0	82.0	76.3					124.2
	40000	83.9	84.5	84.0	87.1	86.6	85.6	85.9	83.2	82.4	77.0	72.7					121.4
	50000	78.6	79.3	79.2	82.1	81.3	80.3	81.0	77.9	77.6	71.9	67.7					118.1
	63000	71.0	71.1	70.7	74.4	72.5	71.9	72.8	70.6	70.5	65.3	60.7					113.8
	80000	70.1	69.7	68.5	71.1	69.8	70.2	70.6	70.1	70.7	67.7	60.7					115.4
OVERALL MEASURED																	
OVERALL CALCULATED		107.6	108.2	109.9	110.4	109.2	108.3	107.8	106.1	104.5	101.6	98.7					148.4
PNDP		121.9	122.2	124.2	124.3	123.0	121.9	121.5	120.1	118.4	115.9	113.4					



## Run 42/Reading 6

## PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.2

MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENTY REL. HUM. DAV)  
ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100.												PmL				
		(0. )	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. )		(0. )	(0. )	(0. )	(0. )
RADIAL 17. FT.	50																	
( 5. M)	63																	
VEHICLE UTMSIM	100	71.6	70.5	69.8	71.1	66.6	66.8	69.3	71.5	73.0	73.1	73.3						104.6
CONFIG HDWALL	125	79.3	79.0	77.5	76.6	76.3	75.0	73.8	74.0	74.5	74.6	74.3						106.3
LOC SCMEJECTADY	160	78.8	77.3	76.8	76.6	78.3	76.3	74.5	74.3	74.3	73.1	74.1						108.8
DATE 7/17/75	200	80.1	82.3	82.3	81.6	80.3	80.5	80.0	79.8	78.5	75.3	74.0						112.5
RUN 42/6	250	84.3	87.3	86.8	86.4	85.1	84.3	83.7	83.8	83.2	81.3	79.8						117.1
TAPE	315	92.1	92.8	91.5	91.1	88.8	86.8	85.2	84.3	84.0	83.0	81.3						120.8
BAR 30.0 HG	400	91.1	90.8	89.8	90.4	88.8	88.3	86.8	84.8	83.0	81.3	79.8						119.7
(01212. N/M2)	500	88.6	88.8	89.1	89.6	87.6	85.8	84.8	83.8	82.8	80.3	78.8						116.3
TAMB 82. DEG F	630	89.6	90.0	90.3	89.9	89.1	88.1	86.3	84.1	82.0	79.8	77.6						119.3
(301. DEG K)	800	91.6	91.5	91.6	92.6	91.8	90.0	88.5	86.6	84.8	82.3	79.3						121.6
T-ET 75. DEG F	1000	90.3	90.0	90.6	92.1	90.8	89.5	87.7	85.3	83.5	81.1	78.8						120.8
(297. DEG K)	1250	91.1	91.3	91.6	91.9	89.8	89.0	87.2	85.6	83.8	81.6	78.3						120.7
HACT19.48 GM/M3	1600	89.1	88.6	89.3	90.2	88.9	87.3	86.2	83.9	82.6	80.4	78.0						119.1
(.01948 KG/M3)	2000	85.4	85.8	86.8	88.2	86.9	85.0	85.0	82.9	81.9	79.7	76.8						117.3
NFA 11670. RPM	2500	87.1	88.1	88.3	90.0	89.4	88.2	86.7	84.9	82.9	80.2	78.3						119.4
(1222. RAD/SEC)	3150	98.8	101.6	100.3	102.9	102.6	104.2	101.7	101.9	101.1	98.5	97.0						134.7
NFK 11420. RPM	4000	97.0	100.2	98.7	101.1	101.0	102.1	100.1	100.3	99.1	97.2	95.1						133.0
(1196. RAD/SEC)	5000	88.5	88.9	90.4	91.1	90.7	90.0	89.5	89.0	86.5	83.9	81.3						121.8
NFD 11517. RPM	6300	95.6	96.7	98.9	98.5	98.1	98.0	96.2	95.2	92.9	90.2	87.9						129.0
(1206. RAD/SEC)	8000	94.4	95.1	97.4	96.9	96.4	95.9	94.4	93.8	90.7	88.1	85.4						127.4
NO. OF GLACES 18	10000	96.8	97.1	97.8	98.8	98.5	98.1	96.8	95.0	93.4	90.6	87.1						120.4
FAN TIP SPEED	12500	94.3	94.4	94.6	96.3	96.0	95.1	94.3	92.0	90.9	87.2	83.3						126.9
1019. FT/SEC	16000	92.9	93.4	92.9	96.9	94.4	94.2	92.9	91.0	89.2	85.7	81.7						120.0
	20000	92.0	92.9	92.8	93.8	93.9	93.6	91.9	89.9	88.6	84.6	81.2						125.5
	25000	90.2	90.9	90.1	91.9	92.3	91.4	90.6	88.3	86.9	83.4	78.3						124.4
	31500	87.8	88.5	88.2	90.5	90.3	89.9	88.7	86.6	85.3	81.3	76.4						123.5
	40000	83.5	84.3	83.6	86.2	85.9	85.4	84.2	82.2	81.9	76.8	73.0						120.8
	50000	78.6	79.4	78.8	81.4	80.6	79.6	80.4	77.2	77.2	71.0	67.8						117.5
	63000	79.4	71.0	70.3	73.7	72.1	71.0	71.9	70.0	70.1	64.9	61.3						112.2
	80000	76.2	69.9	68.6	71.3	70.0	70.3	70.7	70.2	70.8	67.8	60.9						115.9
OVERALL MEASURED																		
OVERALL CALCULATED		106.4	107.7	107.6	109.0	108.6	108.9	107.1	106.5	105.2	102.7	100.5						
PND5		119.4	121.2	120.7	122.5	121.9	122.6	120.5	120.2	119.1	116.6	114.8						140.1

Table with multiple columns and rows, containing various data points and labels. The text is very faint and difficult to read. Labels include:

- SIDELINE 200. FT.
- 100
- 125
- 150
- 175
- 200
- 225
- 250
- 275
- 300
- 325
- 350
- 375
- 400
- 425
- 450
- 475
- 500
- 525
- 550
- 575
- 600
- 625
- 650
- 675
- 700
- 725
- 750
- 775
- 800
- 825
- 850
- 875
- 900
- 925
- 950
- 975
- 1000
- OVERALL CALCULATED

Table with multiple columns and rows, containing various data points and labels. The text is very faint and difficult to read. Labels include:

- SIDELINE 200. FT.
- ( 60.96 M )
- 50
- 75
- 100
- 125
- 150
- 175
- 200
- 225
- 250
- 275
- 300
- 325
- 350
- 375
- 400
- 425
- 450
- 475
- 500
- 525
- 550
- 575
- 600
- 625
- 650
- 675
- 700
- 725
- 750
- 775
- 800
- 825
- 850
- 875
- 900
- 925
- 950
- 975
- 1000
- OVERALL CALCULATED

4119

## Run 42/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 30 MR. 1973

		MODEL SOUND PRESSURE LEVELS (50. DEG. F. 70 PERCENT REL. HUM. DRY)																					
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl		0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	0.	0.	0.	0.	0.						
FREQ. (0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl		(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. 0. 0. 0. 0. 0. 0. Pdl	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)
RADIAL 17. FT.	50																						
	63																						
	80																						
VEHICLE (S. H.)	150	71.1	70.8	69.3	68.1	65.8	66.8	69.0	71.0	72.3	73.1	72.5					194.0						
CONFIG UTM/SIM	125	70.8	79.3	77.5	76.1	75.8	74.8	73.5	74.0	74.3	74.1	73.5					108.0						
CONFIG HDWALL	160	78.6	77.0	76.0	74.1	78.1	76.0	74.8	74.5	74.5	73.3	73.0					108.0						
LGC SCHENECTADY	280	80.6	83.0	82.3	81.4	80.6	81.0	79.5	79.8	78.8	75.8	74.5					112.7						
DATE 7/17/75	250	88.3	87.3	87.0	86.4	85.1	84.3	83.5	83.3	83.2	81.5	79.5					117.0						
RUN 42/7	315	91.6	92.0	90.8	90.4	88.1	86.0	84.7	84.0	83.5	82.0	80.3					110.3						
TAPE	400	92.3	90.5	89.0	89.6	88.6	88.0	86.5	85.1	82.5	81.1	78.5					119.3						
BAR 30.0 HG	500	88.8	88.8	89.3	89.1	87.6	85.8	85.0	83.3	82.0	80.1	78.0					118.2						
(01212. N/M2)	630	89.6	89.8	89.1	89.9	88.6	88.1	86.3	84.3	81.8	79.6	77.8					119.1						
TAMB 82. DEG F	800	91.3	91.3	91.8	92.4	92.1	90.0	88.7	86.8	85.0	82.6	79.5					121.7						
(301. DEG K)	1000	91.1	90.0	89.8	91.1	90.6	89.3	87.5	85.8	83.8	81.1	78.3					120.4						
TMET 75. DEG F	1250	90.3	91.3	91.8	91.2	89.8	88.8	87.5	85.6	83.6	82.1	78.5					120.0						
(297. DEG K)	1600	89.6	88.6	88.6	90.0	88.6	87.0	86.5	84.6	82.9	81.4	77.0					119.1						
HACT 19.48 GH/H3	2000	85.6	85.8	86.6	87.7	86.6	86.0	85.5	84.1	82.6	81.2	77.5					117.7						
(.01948 KG/H3)	2500	85.9	87.6	87.8	90.0	88.9	87.5	87.2	85.1	83.4	80.7	78.7					119.3						
NFA 11783. RPM	3150	97.3	100.3	99.8	100.9	101.6	101.7	104.4	102.9	100.9	96.7	95.7					134.4						
(1234. RAD/SEC)	4000	97.3	100.7	100.7	101.6	101.7	102.1	104.8	103.3	101.6	97.7	96.4					135.0						
NFK 11530. RPM	5000	88.5	89.7	90.1	92.1	90.7	90.5	89.7	88.2	86.3	83.7	81.1					121.9						
(1207. RAD/SEC)	6300	94.6	95.7	96.4	97.2	95.4	97.0	95.4	93.9	92.4	89.9	86.5					127.0						
NFD 11517. RPM	8000	95.2	95.8	96.4	97.4	96.7	96.7	95.7	93.8	92.2	89.4	85.9					127.0						
(1206. RAD/SEC)	10000	96.6	97.6	97.5	98.8	98.5	97.6	96.1	94.3	92.9	90.1	85.8					129.0						
NO. OF BLADES 18	12500	94.0	94.6	94.8	96.8	95.3	95.1	93.5	92.0	90.4	87.2	82.8					126.0						
FAN TIP SPEED	16000	92.9	93.4	93.4	95.7	94.7	94.4	92.9	90.8	89.7	85.9	81.7					120.1						
1029. FT/SEC	20000	91.8	92.2	92.0	93.6	93.7	92.6	91.7	89.4	89.1	84.9	80.6					129.2						
	25000	90.2	90.7	90.1	92.2	92.3	91.2	90.1	88.3	86.9	83.1	77.8					124.2						
	31500	87.8	88.7	87.9	90.5	90.6	89.9	87.7	86.3	85.0	81.1	76.1					123.4						
	40000	83.5	84.3	83.6	86.2	85.9	84.6	84.2	81.7	81.4	76.6	72.5					120.3						
	50000	78.6	79.2	78.3	81.7	80.1	79.1	79.6	76.2	77.0	71.2	68.5					117.1						
	63000	79.7	70.7	70.5	73.7	71.9	70.8	71.9	70.0	69.6	64.6	66.3					112.2						
	80000	70.2	69.9	68.6	71.3	70.0	70.3	70.7	70.2	70.8	67.8	70.6					110.1						
OVERALL MEASURED																							
OVERALL CALCULATED		106.1	107.5	107.4	108.6	108.3	108.1	109.2	107.6	105.9	102.2	100.4					140.4						
PND		118.6	120.8	120.7	121.6	121.4	121.3	122.7	121.2	119.5	116.1	114.4											

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DBL. Pz 70 PERCENT REL. MMH. WAV)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.	
FREQ. (0.	10.17)	10.35)	10.52)	10.70)	10.87)	11.05)	11.22)	11.40)	11.57)	11.75)	11.93)	
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
SIDELINE 500. FT.	50	39.5	46.2	52.6	55.2	54.9	54.8	55.4	55.2	54.7	55.1	
(152.40 M)	63	44.9	51.9	55.5	57.4	59.7	59.4	60.4	59.9	57.0	55.6	
NFA 3319. RPM	80	48.3	56.1	60.1	61.6	62.7	63.1	63.7	64.1	62.6	60.4	
( 347. RAD/SEC)	100	52.4	59.4	63.7	64.3	64.2	64.2	64.3	64.2	62.9	61.0	
NFA 3248. RPM	125	50.2	57.1	62.6	64.5	65.9	65.7	65.1	63.0	61.7	59.1	
( 340. RAD/SEC)	160	47.6	56.8	61.7	63.2	63.4	63.9	63.1	62.3	60.5	58.3	
NFA 3244. RPM	200	47.8	56.0	62.1	63.9	65.4	65.0	63.9	61.9	59.8	57.9	
( 340. RAD/SEC)	250	48.5	58.2	64.1	67.0	67.1	67.2	66.2	64.9	62.6	59.4	
NFA 3244. RPM	315	46.3	55.6	62.4	65.2	66.1	65.7	64.7	63.5	60.9	57.9	
( 340. RAD/SEC)	400	46.6	56.9	62.0	64.1	65.2	65.4	64.5	63.0	61.7	58.0	
AIRFLOW RATIO	500	42.8	53.0	60.3	62.5	63.2	64.1	63.3	62.0	60.8	56.2	
NFA 12.60	630	38.9	50.2	57.5	60.3	61.8	62.8	62.5	61.5	60.3	56.4	
VEHICLE UTMSIM	800	39.3	50.6	59.1	61.8	62.9	64.2	63.2	62.0	59.5	57.1	
CONFIG HDWALL	1000	50.5	61.7	69.5	74.1	76.7	81.1	80.6	79.2	75.2	74.0	
LCC SCHENECTADY	1250	49.3	61.6	69.5	73.7	76.7	81.1	80.7	79.6	75.9	74.4	
DATE 7/17/75	1600	36.0	49.8	59.0	61.9	64.5	65.5	65.1	63.8	61.4	58.6	
RUN 42/7	2000	39.6	54.7	63.3	66.9	70.4	70.7	70.4	69.4	66.3	63.5	
TAPE	2500	37.1	53.5	62.6	66.6	69.6	70.5	69.8	68.9	66.3	62.6	
FAN TIP SPEED	3150	34.7	52.5	62.6	67.4	69.6	70.2	69.6	69.0	66.4	61.7	
1029. FT/SEC	4000	25.4	40.6	58.4	62.5	65.8	66.5	66.4	65.6	62.6	57.9	
5000	20.8	42.8	56.5	61.3	64.7	65.5	64.8	64.5	61.0	56.5		
6300	9.3	37.2	51.0	57.8	60.8	62.5	61.9	62.4	56.5	54.0		
8000		27.3	44.3	52.4	56.1	58.1	58.2	57.8	54.4	48.7		
10000		14.0	35.3	45.3	50.4	51.9	52.8	52.7	49.2	43.8		
OVERALL CALCULATED		59.6	69.4	76.3	79.9	82.2	85.3	84.8	83.7	80.3	78.4	
PNCB		64.2	77.3	86.4	90.6	92.9	94.7	94.3	93.3	90.1	87.5	

SIDELINE 200. FT.	50	50.0	56.0	61.6	63.8	63.3	63.1	63.6	64.0	62.9	63.3	
( 60.96 M)	63	55.5	62.0	64.7	66.2	68.2	67.8	68.8	68.2	65.4	64.0	
100	59.3	66.5	69.6	70.6	71.4	71.7	72.2	72.2	72.6	71.0	68.9	
125	63.7	70.1	73.4	73.5	73.1	72.9	72.9	72.9	72.8	71.5	69.8	
160	61.7	68.1	72.5	73.9	75.0	74.6	73.9	71.7	70.4	67.6		
200	59.5	68.1	71.9	72.8	72.6	73.0	72.0	71.2	69.4	67.2		
250	60.1	67.8	72.5	73.6	74.8	74.1	73.0	70.9	68.8	66.9		
315	61.1	70.1	74.8	77.0	76.7	76.5	75.4	74.0	71.7	68.5		
400	59.3	67.9	73.4	75.4	75.8	75.2	74.1	72.7	70.1	67.2		
500	60.1	69.6	73.2	74.5	75.2	75.1	74.0	72.4	71.1	67.4		
630	56.8	66.1	71.8	73.1	73.3	74.0	72.9	71.6	70.3	65.8		
800	53.4	63.8	69.4	71.0	72.2	72.9	72.3	71.3	70.0	66.2		
1000	54.5	64.6	71.4	73.0	73.5	74.5	73.2	71.9	69.4	67.1		
1250	66.5	76.2	82.1	85.6	87.6	91.6	90.8	89.3	85.3	84.2		
1600	66.1	76.8	82.6	85.6	87.8	91.8	91.2	89.9	86.2	84.7		
2000	54.1	65.7	72.7	74.2	76.0	76.6	75.9	74.5	72.0	69.2		
2500	59.0	71.5	77.5	79.7	82.4	82.1	81.5	80.4	77.2	74.5		
3150	58.2	71.0	77.4	79.8	81.9	82.2	81.2	80.2	77.5	73.9		
4000	58.3	71.4	78.3	81.3	82.5	82.4	81.5	80.7	78.1	73.4		
5000	52.9	67.4	75.4	77.6	79.6	79.6	79.0	78.0	75.0	70.3		
6300	50.6	64.8	72.4	76.9	79.0	79.0	77.8	77.3	73.7	69.3		
8000	45.4	62.5	71.1	75.1	76.6	77.3	76.1	76.3	72.3	67.9		
10000	37.7	57.8	68.0	72.6	74.2	75.0	74.3	73.6	70.0	64.5		
OVERALL CALCULATED		73.5	83.3	89.1	91.8	93.6	95.1	94.1	90.7	88.7		
PNCB		82.4	94.6	101.1	104.0	105.4	105.4	105.4	105.4	105.4	105.4	



## Run 42/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 30 HR. 14.3

MODEL SOUND PRESSURE LEVELS (99. DEG. F. 70 PERCENT REL. HUM. DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ. (0. 50 60 70 80 90 100. )	0. 10. 20. 30. 40. 50. 60. 70. 80. 90. 100. )												PWL
		(0.17) (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (0. ) (0. ) (0. ) (0. ) (0. )												
RADIAL 17. FT. ( 5. M )	50	68.8	68.5	67.5	66.4	64.6	65.5	67.0	69.3	70.3	71.1	70.8		
VEHICLE UTHSIM	125	77.3	77.5	76.3	74.9	74.6	73.8	72.3	72.8	73.3	73.3	72.8		102.2
CONFIG MDWALL	160	77.3	75.8	75.0	76.6	76.3	74.5	73.0	73.5	73.0	72.6	73.3		106.9
LOC SCHENECTADY	200	81.6	84.8	84.8	83.4	82.3	82.8	80.0	80.0	78.0	76.8	73.8		107.3
DATE 7/17/75	250	87.3	86.3	86.0	85.1	84.1	82.8	82.2	82.3	82.0	80.3	78.8		113.8
RDP 42/8	315	91.1	91.5	90.3	89.6	87.6	85.5	84.0	83.8	83.0	82.0	80.3		115.8
TAPE	400	92.8	93.0	92.3	92.6	91.8	90.0	88.5	85.6	84.3	82.8	80.3		118.8
EAR 35.0 HG	500	90.1	89.8	89.6	89.4	87.8	85.5	84.5	83.1	81.8	79.3	77.0		121.7
(01212. N/M2)	630	91.3	92.0	92.1	91.9	90.3	89.6	87.8	85.3	82.8	80.8	79.5		118.2
TAMB 83. DEG F	800	92.1	91.5	92.3	93.6	93.3	92.0	90.2	88.1	85.8	83.1	80.5		120.9
(301. DEG K)	1000	90.3	89.8	89.6	92.4	92.1	91.3	88.7	86.8	84.8	83.1	79.8		123.8
T-ET 75. DEG F	1250	88.6	90.1	91.6	92.2	91.9	91.5	90.7	88.9	87.1	84.9	81.0		121.7
(297. DEG K)	1600	87.1	87.6	88.6	90.2	90.9	91.0	90.7	88.1	85.9	85.7	81.8		122.8
HACT19.17 GM/M3	2000	85.6	86.8	88.3	89.0	90.6	92.8	92.7	91.4	89.9	88.7	84.3		121.9
(.01917 KG/M3)	2500	87.9	88.8	89.3	90.7	89.4	89.0	88.4	87.1	85.1	82.5	80.3		123.8
NFA 12191. RPM	3150	94.6	95.3	96.5	99.7	100.8	101.2	98.4	95.4	93.4	91.0	88.5		120.6
(1276. RAD/SEC)	4000	99.3	101.2	105.2	106.6	108.2	108.6	105.3	102.1	100.1	97.7	95.6		130.8
NFK 11918. RPM	5000	90.0	90.9	91.6	92.8	92.2	92.8	91.5	90.2	87.8	85.2	82.8		137.7
(1248. RAD/SEC)	6300	94.1	94.2	94.4	95.5	94.1	94.5	93.4	92.4	90.4	87.5	84.3		123.5
NFD 11517. RPM	8000	97.9	98.3	97.9	99.1	98.2	98.2	97.2	96.5	95.0	92.1	88.7		125.8
(1206. RAD/SEC)	10000	95.3	96.1	96.5	97.8	97.2	96.4	95.8	94.3	92.4	89.8	85.8		128.8
NO. OF BLADES 18	12500	94.8	95.4	94.6	96.6	96.3	95.3	94.1	93.3	91.4	88.0	84.3		128.3
FAN TIP SPEED	16000	93.7	93.9	92.9	95.7	94.4	93.9	93.2	91.5	90.7	86.2	82.9		127.2
1064. FT/SEC	20000	92.3	92.7	92.5	93.6	93.4	93.4	91.9	89.7	89.3	85.1	81.2		128.2
	25000	90.5	90.7	90.1	91.2	91.6	91.2	90.4	87.8	86.9	83.4	78.8		129.4
	31500	87.8	88.8	87.2	90.0	90.1	88.9	87.3	86.4	85.3	80.8	76.4		124.0
	40000	83.5	84.6	82.9	85.7	85.5	84.7	83.8	81.5	81.2	76.6	72.8		120.0
	50000	78.5	79.0	78.1	80.8	79.7	79.5	79.4	76.3	76.6	70.8	68.6		120.1
	63000	70.8	70.4	69.9	73.1	71.8	70.9	72.0	70.1	69.2	65.0	66.4		118.8
	80000	70.4	70.1	68.8	71.4	70.2	70.5	70.9	70.4	71.0	68.0	70.8		112.1
OVERALL MEASURED														118.3
OVERALL CALCULATED		106.5	107.3	108.8	110.1	110.8	110.9	108.5	106.1	104.4	101.8	99.1		
PND9		119.6	120.8	123.3	124.5	125.4	125.6	123.0	120.4	118.6	116.3	113.9		141.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	0.	10.	20.	30.	40.	50.	60.	70.	80.	90.	100.
FREQ. (0.)	(0.17)	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)
SIDELINE 500. FT.	38.3	45.2	51.1	53.5	53.4	53.1	54.4	54.3	54.0	54.6	
(152.40 M)	46.5	54.4	57.5	59.2	61.4	59.9	60.7	59.1	58.0	54.9	
NFA 3434. RPM	47.3	55.1	58.8	60.6	61.2	61.0	62.7	62.9	61.3	59.7	
( 360. RAD/SEC)	51.9	58.9	63.0	63.8	63.7	63.4	64.0	63.7	62.9	61.0	
NFA 3357. RPM	52.7	60.4	65.6	67.8	67.9	67.7	65.6	64.8	63.5	60.6	
( 351. RAD/SEC)	48.6	57.1	61.9	63.4	63.1	63.4	62.9	62.1	59.8	57.3	
NFD 3244. RPM	50.1	59.0	64.1	65.6	66.9	66.5	64.9	62.9	61.1	59.6	
( 340. RAD/SEC)	46.1	55.3	63.7	66.7	68.1	67.0	66.0	64.5	62.9	59.4	
AIRFLOW RATIO	45.3	56.7	63.0	66.1	68.0	68.7	67.8	66.5	64.5	60.5	
WF/WP 12.60	41.8	53.0	60.5	64.7	67.2	68.4	66.8	66.0	65.0	61.0	
	39.9	52.0	58.7	64.1	68.6	70.1	69.7	68.8	67.8	63.2	
	47.9	61.4	68.9	73.8	76.6	75.4	73.4	72.0	69.8	67.1	
VEHICLE UTWSIM	51.5	67.2	75.2	80.8	83.6	82.0	79.8	78.4	76.2	74.0	
CONFIG HGWALL	39.5	52.6	60.7	64.2	67.4	67.8	67.6	65.8	63.4	60.8	
LOC SCHEMECTADY	40.6	54.2	62.5	65.5	68.6	69.3	69.4	67.9	65.3	62.0	
DATE 7/17/75	42.3	56.4	65.3	68.8	71.7	72.5	73.0	72.1	69.5	65.8	
RUN 42/8	2500	37.5	53.7	63.2	67.3	69.4	70.8	70.4	69.3	66.9	
TAPE	3150	32.7	49.9	60.6	65.4	67.6	68.3	68.9	67.7	64.5	
FAN TIP SPEED	4000	25.1	45.2	57.9	62.1	65.0	66.5	66.2	66.2	61.9	
1064. FT/SEC	5000	20.5	43.3	54.9	60.5	64.0	64.9	64.2	64.6	60.7	
	6300	8.1	35.9	49.2	56.3	60.0	61.8	60.8	60.8	57.6	
	8000		25.3	43.1	51.2	54.8	56.2	57.2	57.2	53.0	
	10000		10.4	32.0	41.6	46.6	49.3	49.4	50.3	46.1	
OVERALL CALCULATED		60.1	71.3	78.6	83.2	85.8	84.9	83.5	82.3	80.1	
PNDB		64.6	79.1	87.6	92.3	94.9	94.6	93.8	92.9	90.3	

	50	48.7	55.0	60.1	62.1	61.8	61.4	62.6	62.5	62.2	62.8
	53	57.3	64.5	66.7	68.0	70.0	68.3	69.1	67.4	66.4	63.2
SIDELINE 200. FT.	80	58.3	65.5	68.3	69.6	69.9	70.5	71.2	71.4	69.8	68.1
( 60.96 M)	100	63.2	69.6	72.7	73.0	72.6	72.1	72.7	72.3	71.5	69.6
	125	64.2	71.4	75.5	77.1	77.0	76.6	74.4	73.5	72.2	69.3
	160	60.5	68.4	72.1	73.0	72.4	72.5	71.8	70.9	68.6	66.2
	200	62.3	70.6	74.5	75.4	76.3	75.6	74.0	71.9	70.0	68.6
	250	61.4	70.6	76.1	78.3	78.7	78.0	76.7	74.2	72.2	69.5
	315	59.1	67.6	74.6	76.9	77.8	76.4	75.3	73.7	72.1	68.7
	400	58.8	69.4	74.2	76.5	77.9	78.3	77.3	75.9	73.9	69.9
	500	55.8	66.1	72.1	75.4	77.3	78.2	76.4	75.6	74.6	70.5
	630	54.4	65.5	70.6	75.0	78.9	80.1	79.6	78.5	77.5	72.9
	800	62.2	75.4	81.1	85.0	87.2	85.7	83.5	82.0	79.7	77.0
	1000	67.5	81.7	87.9	92.3	94.5	92.5	90.1	88.6	86.3	84.1
	1250	56.4	67.7	73.8	78.0	78.5	78.5	78.1	76.1	73.7	71.2
	1600	58.6	70.0	76.1	77.8	80.1	80.3	80.2	78.6	75.9	72.7
	2000	61.7	73.1	79.5	81.6	83.6	83.9	84.2	83.1	80.5	76.8
	2500	58.6	71.3	77.9	80.5	81.7	82.5	81.9	80.5	78.1	73.9
	3150	56.3	68.7	76.3	79.3	80.5	80.6	80.8	79.4	76.2	72.3
	4000	52.6	66.0	74.9	77.1	78.8	79.6	78.9	78.6	74.3	70.8
	5000	50.3	65.3	72.7	76.1	78.3	78.5	77.2	77.4	73.4	69.2
	6300	44.5	61.3	69.4	73.7	75.6	76.6	75.1	74.8	71.5	66.7
	8000	36.7	55.8	66.7	71.3	72.9	73.1	73.4	72.9	68.7	64.0
	10000	24.5	48.1	60.5	65.5	67.9	69.1	68.1	68.6	64.2	60.1
OVERALL CALCULATED		73.8	85.2	91.1	94.7	96.7	95.5	94.0	92.7	90.3	87.4
PNDB		82.7	94.8	101.2	104.7	106.6	105.8	105.1	104.0	101.3	97.8

ORIGINAL PAGE IS OF POOR QUALITY

## Run 43/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HR. 14.9															
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																	
ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	
50																	
63																	
RADIAL 17. FT.																	
( 5. MI)	100	89.0	86.1	82.6	83.8	86.3	86.3	89.3	90.1	89.3	89.1						121.8
VEHICLE UTMSIM	125	96.0	95.4	94.8	93.8	92.8	94.0	94.5	94.6	94.3	96.1						126.2
CONFIG A+3	160	91.8	93.6	95.3	94.8	92.5	92.3	92.5	91.6	90.5	91.3						126.3
LOC SCHENECTADY	200	91.0	90.6	91.1	92.0	93.5	93.5	92.0	89.3	87.5	86.6						124.8
DATE 7/22/75	250	96.3	95.6	93.1	92.0	92.5	94.0	94.0	93.3	91.8	89.8						126.8
RUN 43/4	315	94.3	95.9	94.1	92.0	90.0	90.8	91.5	91.0	89.5	89.6						125.4
TAPE	400	86.5	88.1	89.6	89.3	87.5	85.8	84.5	83.8	82.5	81.6						110.9
BAR 29.7 HG	500	83.1	85.9	84.8	83.3	82.3	81.3	80.5	79.6	77.8	76.3						115.4
(00228. N/M2)	630	83.8	87.2	86.6	86.1	84.5	83.3	81.3	79.3	77.0	76.1						118.9
TAMB 69. DEG F	800	81.3	87.9	88.6	88.3	86.7	85.3	82.8	81.3	77.5	76.6						118.6
(294. DEG K)	1000	79.3	87.1	88.8	88.5	86.2	84.1	82.0	79.8	76.3	74.3						118.1
TWET 63. DEG F	1250	80.6	87.4	89.3	89.3	87.2	85.4	82.8	80.9	77.0	75.1						118.9
(290. DEG K)	1600	80.8	86.7	90.9	89.8	87.7	84.4	82.4	80.4	76.8	74.4						119.3
HACT12.87 GH/M3	2000	87.1	93.2	96.9	96.0	93.7	90.4	87.1	84.2	80.5	77.9						125.2
(.01287 KG/M3)	2500	87.3	94.2	96.6	96.2	93.2	90.4	86.6	84.0	80.5	78.4						125.2
NFA 6989. RPM	3150	86.8	92.4	94.3	95.2	91.6	88.6	84.6	82.2	79.0	77.1						123.6
( 732. RAD/SEC)	4000	92.9	98.9	101.2	104.6	99.5	96.0	93.1	87.7	86.1	86.5						131.7
NFK 6923. RPM	5000	88.3	94.8	96.4	98.5	95.0	90.2	87.0	83.1	80.5	79.7						128.4
( 725. RAD/SEC)	6300	86.9	93.7	95.4	96.3	93.7	90.9	87.3	83.7	80.7	79.7						125.2
NFD 11517. RPM	8000	87.4	93.9	95.4	95.4	93.4	91.0	86.2	83.1	78.9	78.8						125.0
(1206. RAD/SEC)	10000	86.8	94.8	96.2	95.9	94.4	91.8	87.9	84.4	79.4	78.6						125.9
NO. OF BLADES 18	12500	86.4	93.9	95.1	94.9	93.9	91.6	88.0	83.6	78.8	77.7						125.3
FAN TIP SPEED 16000	16000	84.8	93.3	94.0	94.3	92.8	91.6	89.3	85.3	80.3	78.9						125.3
610. FT/SEC	20000	87.0	96.0	97.3	97.3	96.6	96.4	94.5	89.1	83.6	81.9						129.4
	25000	86.4	94.5	96.3	96.2	95.1	93.8	91.9	87.2	81.1	79.7						128.4
	31500	82.4	92.4	93.3	93.6	92.5	91.8	89.7	84.8	79.1	76.8						128.4
	40000	74.0	87.4	88.1	88.6	87.4	86.2	85.4	79.8	74.9	72.7						123.1
	50000	67.5	81.9	82.6	82.1	83.1	80.4	80.2	74.2	71.3	69.1						119.5
	63000	66.0	75.2	74.7	74.0	75.6	73.7	73.8	68.4	67.8	67.1						115.2
	80000	70.2	73.1	71.6	71.9	72.1	71.8	72.4	69.7	71.7	69.9						117.9
OVERALL MEASURED																	
OVERALL CALCULATED		103.7	107.6	108.9	109.7	107.2	105.6	104.0	101.7	100.0	100.1						138.9
PWR		114.9	120.2	122.0	123.8	120.1	117.4	114.7	111.2	109.0	108.7						

## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0. (0.)	0. (0.)	0. (0.)	0. (0.)	0. (0.)
	50	61.2	68.1	72.5	73.7	72.6	73.1	73.8	73.0	71.8	72.2					
	63	60.7	64.8	67.9	70.7	73.4	74.2	73.1	70.5	68.6	67.2					
SIDELINE 500. FT. (152.40 M)	80	65.4	69.3	69.6	70.4	72.1	74.5	74.9	74.3	72.7	70.2					
	100	62.9	69.2	70.3	70.2	69.4	71.0	72.2	71.9	70.2	69.8					
NFA 1969. RPM ( 206. RAD/SEC)	125	54.6	61.1	65.5	67.2	66.7	65.8	65.0	64.5	63.1	61.6					
NFK 1950. RPM ( 204. RAD/SEC)	160	50.6	58.4	60.4	60.9	61.2	61.1	60.8	60.0	58.1	56.1					
	200	50.8	59.3	61.9	63.4	63.2	62.9	61.4	59.6	57.1	55.7					
NFD 3244. RPM ( 340. RAD/SEC)	250	47.7	59.6	63.5	65.4	65.2	64.7	62.7	61.4	57.4	55.9					
	315	45.1	58.4	63.4	65.3	64.4	63.2	61.7	59.7	55.9	53.4					
	400	45.7	58.2	63.6	65.7	65.2	64.2	62.2	60.5	56.5	54.0					
AIPFLOW RATIO WF/W 12.60	500	45.2	57.0	64.7	65.9	65.4	63.0	61.5	59.8	56.0	53.0					
	630	59.7	63.0	70.3	71.8	71.1	68.7	66.0	63.3	59.4	56.2					
	800	50.1	63.4	69.6	71.6	70.2	68.4	65.2	62.8	59.1	56.4					
VEHICLE UTHSIM 1000	1000	48.7	61.0	66.8	70.2	68.3	66.3	62.9	60.7	57.3	54.8					
CONFIG A+3 1250	1250	53.9	66.7	73.2	79.1	75.8	73.4	71.0	65.9	64.1	63.9					
LCC SCHENECTADY 1600	1600	48.5	61.8	67.7	72.5	70.7	67.1	64.5	60.9	58.1	56.6					
DATE 7/22/75 2000	2000	45.2	59.8	65.9	69.7	68.9	67.3	64.4	61.0	57.8	56.2					
RUN 43/4 2500	2500	44.5	59.1	65.4	68.3	68.2	67.0	62.9	60.1	55.6	54.9					
TAPE 3150	3150	41.8	58.7	65.1	67.9	68.4	67.2	64.0	60.7	55.4	53.9					
FAN TIP SPEED 4000	4000	38.4	55.7	62.4	65.6	66.8	66.0	63.2	59.0	54.0	52.0					
610. FT/SEC 5000	5000	35.1	54.2	60.7	64.5	65.4	65.6	65.1	60.4	55.1	53.0					
	6300	32.1	53.4	61.5	65.5	67.4	68.8	67.8	62.7	56.9	54.3					
	8000	23.6	46.6	56.5	61.2	63.1	63.7	62.9	58.5	52.0	49.6					
	10000	8.5	37.3	48.0	54.1	56.7	58.3	57.5	52.9	46.8	43.3					
OVERALL CALCULATED		69.8	76.7	81.0	84.0	83.1	82.6	81.8	80.1	78.1	77.1					
PNCB		70.9	84.3	90.5	94.3	93.5	92.5	90.8	87.0	82.8	81.3					

	50	71.7	77.1	81.1	82.1	80.9	81.4	82.0	81.2	80.0	80.4					
	63	70.8	74.0	76.7	79.2	81.8	82.6	81.4	78.9	77.0	75.6					
SIDELINE 200. FT. ( 60.96 M)	80	75.8	78.8	78.6	79.1	80.7	83.0	83.4	82.8	81.1	78.7					
	100	73.6	78.9	79.5	79.1	78.1	79.7	80.8	80.5	78.8	78.4					
	125	65.6	71.0	74.9	76.2	75.6	74.6	73.7	73.2	71.8	70.3					
	160	61.9	68.6	70.0	70.1	70.2	70.0	69.7	68.9	66.9	65.0					
	200	62.4	69.7	71.6	72.8	72.4	72.0	70.4	68.5	66.1	64.7					
	250	59.6	70.3	73.5	74.9	74.5	73.9	71.8	70.5	66.5	65.1					
	315	57.4	69.4	73.6	75.1	73.9	72.6	70.9	68.9	65.2	62.8					
	400	58.3	69.5	74.0	75.7	74.8	73.7	71.7	69.9	65.9	63.5					
	500	58.3	68.6	75.4	76.1	75.2	72.7	71.1	69.3	65.5	62.6					
	630	64.2	74.8	81.2	82.2	81.1	78.6	75.8	73.0	69.2	66.1					
	800	64.1	75.6	80.8	82.3	80.5	78.5	75.2	72.7	69.0	66.4					
	1000	63.2	73.6	78.3	81.1	78.8	76.6	73.1	70.8	67.4	65.1					
	1250	69.0	79.8	85.1	90.3	86.6	83.9	81.4	76.2	74.5	74.4					
	1600	63.9	75.4	80.0	84.0	81.8	77.9	75.2	71.5	68.7	67.4					
	2000	61.9	74.0	78.7	81.6	80.4	78.5	75.4	71.9	68.7	67.3					
	2500	62.0	73.9	78.6	80.6	80.0	78.5	74.2	71.3	66.9	66.3					
	3150	60.7	74.3	79.0	80.8	80.7	79.1	75.7	72.3	67.1	65.8					
	4000	59.2	72.7	77.4	79.4	79.9	78.6	75.5	71.3	66.4	64.7					
	5000	57.1	72.0	76.3	78.8	78.9	78.7	77.9	73.1	67.9	66.0					
	6300	57.5	73.6	78.8	81.3	82.3	83.1	81.8	76.5	70.9	68.5					
	8000	54.1	70.3	76.6	79.3	80.0	79.9	78.6	74.1	67.8	65.8					
	10000	46.2	65.9	72.0	75.4	76.4	77.0	75.7	71.0	65.0	62.1					
OVERALL CALCULATED		80.8	88.2	92.3	95.1	93.7	92.9	91.6	89.3	87.0	86.0					
PNCB		87.1	99.2	103.9	106.3	105.6	105.0	103.2	99.2	94.8	92.9					

Run 43/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 HR. 14.0																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	PdL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	0.	0.	0.	0.	0.	0.	0.	1
	50																		
	63																		
RADIAL	17. FT.																		
	( 5. M)																		
VEHICLE	UTHSIM	125	93.8	88.3	85.0	85.3	87.0	88.0	89.3	89.5	89.0	88.1							122.2
CC:FIG	A+3	160	96.0	94.5	95.0	95.3	94.0	95.5	95.5	94.0	93.0	93.0							128.2
LCC	SCHENECTADY	200	96.2	96.0	95.7	96.7	97.0	96.2	94.7	92.2	90.3	89.3							132.3
DATE	7/22/75	250	100.7	100.2	98.5	97.7	97.5	98.5	98.7	97.7	96.0	94.0							128.4
RUN	43/5	315	98.7	100.2	99.5	98.5	97.5	97.5	97.7	97.0	95.5	95.3							131.5
TAPE		400	92.5	94.0	96.2	96.2	95.2	93.8	92.0	91.0	89.5	88.6							131.3
BAR	29.7 HG	500	88.5	91.0	91.5	90.3	88.7	88.5	88.3	87.3	85.0	84.1							127.0
	(00228. N/M2)	630	88.5	91.5	92.5	92.5	91.0	89.6	88.3	86.3	84.8	83.6							122.1
TAMB	70. DEG F	800	86.3	90.0	92.5	93.8	91.7	90.8	89.0	87.0	84.3	82.6							123.0
	(294. DEG K)	1000	84.5	88.3	92.5	94.0	91.5	89.3	87.5	85.8	82.3	80.8							123.5
TACT	63. DEG F	1250	84.5	88.3	93.8	94.2	92.2	89.8	87.8	86.1	82.5	81.1							122.9
	(290. DEG K)	1600	83.0	88.1	94.0	95.5	93.0	90.1	87.8	86.1	82.2	80.6							123.4
HACT	12.57 GH/M3	2000	83.0	89.3	93.8	96.0	93.7	90.6	87.9	85.7	82.3	79.9							124.0
	(.01257 KG/M3)	2500	91.2	96.8	101.0	102.4	99.9	98.3	94.4	91.9	87.5	84.6							124.4
NFA	8738. RPM	3150	90.0	95.8	99.7	102.2	99.9	96.8	93.1	89.9	86.5	84.1							131.1
	( 915. RAD/SEC)	4000	89.9	95.5	99.2	101.3	99.0	96.0	91.8	88.6	85.4	83.8							130.4
NFK	8647. RPM	5000	94.5	100.2	103.1	105.0	103.7	101.7	96.5	93.3	89.5	88.0							129.7
	( 905. RAD/SEC)	6300	90.6	98.3	100.3	100.7	98.9	96.4	91.8	89.2	85.7	84.2							134.1
NFD	11517. RPM	8000	90.6	98.7	99.6	100.7	100.7	97.5	94.2	90.6	85.7	85.3							129.8
	(1206. RAD/SEC)	10000	90.0	98.2	101.2	101.3	100.9	98.5	95.9	91.6	86.9	86.1							130.8
NG. OF ELADES	18	12500	89.4	97.5	100.5	100.6	99.4	98.1	95.8	91.5	85.8	85.2							131.7
FAN TIP SPEED		16000	87.8	96.0	97.7	98.0	96.8	95.9	93.8	89.8	85.3	84.5							131.1
	763. FT/SEC	20000	87.4	96.2	98.8	99.3	98.4	97.6	96.3	92.5	88.4	87.1							129.1
		25000	88.2	96.1	98.6	99.5	98.7	97.8	96.2	92.9	87.6	86.0							131.1
		31500	84.7	95.9	98.8	98.6	97.5	96.8	95.3	91.8	87.2	86.2							131.8
		40000	78.8	92.1	94.1	94.4	94.2	92.7	92.0	87.8	84.0	82.5							132.8
		50000	74.4	87.4	88.6	88.7	90.2	88.3	88.1	82.5	80.1	76.8							129.5
		63000	74.9	81.3	81.0	81.2	83.1	81.6	81.5	75.8	73.0	70.3							128.6
		80000	80.4	82.7	81.7	82.1	82.3	82.0	82.7	79.9	72.0	70.2							122.4
	OVERALL MEASURED																		127.2
	OVERALL CALCULATED		107.1	110.4	112.6	113.4	112.1	110.5	108.7	106.4	103.9	103.3							
	PdL		117.2	121.7	124.6	125.9	124.5	122.5	119.0	116.4	113.1	111.8							144.1

Run 43/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 14.9

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(10.	
SIDELINE 500. FT.	50	66.9	74.2	78.4	80.1	78.6	78.9	80.0	78.9	77.6	77.9						
	63	65.9	70.1	72.6	75.4	76.9	76.9	75.9	73.5	71.4	70.0						
	80	69.8	74.0	75.0	76.1	77.1	78.9	79.6	78.8	76.9	74.5						
(152.40 M)	100	67.4	73.6	75.7	76.6	76.9	77.7	78.5	77.9	76.2	75.5						
NFA 2461. RPM	125	60.6	67.0	72.2	74.1	74.4	73.8	72.5	71.7	70.1	68.6						
( 258. RAD/SEC)	160	56.0	63.6	67.1	67.9	67.7	68.3	68.8	67.7	65.3	63.9						
NFK 2436. RPM	200	55.5	63.7	67.8	69.9	69.7	69.2	68.4	66.5	64.9	63.2						
( 255. RAD/SEC)	250	52.7	61.7	67.5	70.8	70.2	70.2	68.9	67.1	64.2	61.9						
NFD 3244. RPM	315	50.3	59.6	67.1	70.8	69.7	68.4	67.2	65.6	61.9	59.9						
( 340. RAD/SEC)	400	49.6	59.1	68.0	70.7	70.2	68.7	67.2	65.7	62.0	60.0						
AIRFLOW RATIO	500	47.5	58.4	67.9	71.6	70.6	68.7	67.0	65.5	62.0	59.2						
NF/WH 12.60	630	46.7	59.1	67.2	71.8	71.1	68.9	66.8	64.8	61.2	58.2						
	800	54.1	66.0	74.0	77.8	76.9	76.4	73.0	70.7	66.1	62.6						
VEHICLE UTHSIN	1000	51.9	64.4	72.2	77.1	76.5	74.5	71.4	68.4	64.8	61.8						
CONF. A+3	1250	50.8	63.4	71.1	75.9	75.3	73.4	69.8	66.8	63.3	61.1						
LOC SCHENECTADY	1600	54.2	67.1	74.3	78.9	79.5	78.6	74.0	71.1	67.1	64.9						
DATE 7/22/75	2000	48.9	62.4	70.8	74.1	74.2	72.8	68.9	66.5	62.8	60.7						
RUN 43/5	2500	47.7	62.0	69.5	73.5	75.5	73.5	70.9	67.5	62.4	61.4						
TAPE	3150	45.0	62.0	70.1	73.4	74.9	73.9	72.0	67.9	63.0	61.5						
FAN TIP SPEED	4000	41.3	59.3	67.9	71.4	72.3	72.4	70.9	66.9	61.0	59.5						
763. FT/SEC	5000	38.1	56.8	64.4	68.3	69.4	69.9	68.6	64.9	60.1	58.5						
	6300	32.6	53.6	62.9	67.5	69.2	70.0	69.6	66.2	61.7	59.6						
	8000	25.3	48.3	58.7	64.5	66.7	67.5	67.2	64.2	58.6	57.9						
	10000	19.8	40.8	53.5	59.2	61.7	63.3	63.0	59.9	54.9	52.6						
OVERALL CALCULATED		74.4	80.8	85.3	88.2	88.2	87.9	87.0	85.4	83.3	82.2						
PNDB		74.6	87.3	94.9	98.6	99.2	98.5	96.7	93.5	89.3	87.5						

ORIGINAL PAGE IS OF POOR QUALITY

	50	76.7	83.2	87.0	88.6	86.9	87.1	88.3	87.1	86.0	86.2					
	63	76.0	79.3	81.4	84.0	85.3	85.3	84.2	81.8	79.7	78.3					
SIDELINE 200. FT.	80	83.2	83.4	84.0	84.8	85.7	87.4	88.1	87.2	85.4	83.0					
( 60.96 M)	100	78.0	83.3	84.9	85.5	85.6	86.4	87.0	86.4	84.8	84.2					
	125	71.6	76.9	81.5	83.2	83.3	82.6	81.2	80.4	78.8	77.3					
	160	67.3	73.7	76.7	77.1	76.7	77.2	77.4	76.6	74.2	72.8					
	200	67.1	74.1	77.6	79.2	78.9	78.2	77.4	75.5	73.9	72.2					
	250	64.6	72.4	77.4	80.4	79.5	79.4	78.0	76.2	73.3	71.1					
	315	62.6	70.5	77.3	80.5	79.2	77.8	76.4	74.8	71.2	69.3					
	400	62.3	70.3	78.4	80.6	79.8	78.2	76.6	75.1	71.4	69.5					
	500	60.5	69.9	78.5	81.8	80.5	78.4	76.6	75.0	71.5	68.9					
	630	60.2	71.0	78.1	82.1	81.1	78.8	76.5	74.5	70.9	68.1					
	800	68.1	78.2	85.2	88.5	87.2	86.4	82.9	80.6	76.0	72.7					
	1000	66.4	77.0	83.8	88.0	87.0	84.8	81.6	78.5	74.9	72.1					
	1250	66.0	76.4	83.0	87.0	86.1	83.9	80.1	77.1	73.7	71.6					
	1600	70.1	80.8	86.7	90.5	90.5	89.4	84.7	81.7	77.7	75.7					
	2000	65.7	76.6	83.6	86.1	85.6	83.9	79.9	77.4	73.7	71.8					
	2500	65.3	76.7	82.8	85.8	87.2	84.9	82.2	78.7	73.6	72.8					
	3150	63.9	77.7	84.0	86.3	87.2	85.8	83.7	79.5	74.7	73.4					
	4000	62.2	78.3	82.9	85.1	85.1	83.3	79.2	73.4	72.2						
	5000	60.1	74.6	80.0	82.6	82.9	82.9	81.4	77.6	72.9	71.5					
	6300	58.0	73.7	80.3	83.3	84.0	84.3	83.5	80.0	75.6	73.8					
	8000	55.9	72.0	78.8	82.6	83.6	83.6	82.9	79.8	74.3	74.1					
	10000	48.5	69.3	77.4	80.5	81.4	82.1	81.3	78.0	73.1	71.4					
OVERALL CALCULATED		85.1	91.6	96.2	98.9	98.8	98.1	96.7	94.8	92.3	91.2					
PNDB		90.8	102.2	108.2	111.9	111.2	110.2	108.2	105.0	100.8	99.2					

## Run 43/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 NO. 14.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	
	50																	
	63																	
RADIAL 17. FT.	80																	
( 5. M)	100	92.8	87.5	85.0	85.8	87.3	88.8	89.8	90.8	89.5	89.3							122.6
VEHICLE UTNSIM	125	96.8	94.8	95.3	94.8	93.5	94.3	94.8	93.0	92.3	92.3							127.6
CONFIG A+3	160	97.3	101.3	102.0	102.3	98.8	98.0	98.3	97.0	96.3	95.8							132.6
LOC SCHENECTADY	200	97.0	98.0	98.0	98.2	98.5	97.5	96.0	93.5	91.0	90.6							129.9
DATE 7/22/75	250	102.0	102.0	100.7	99.0	98.7	99.7	100.0	98.5	96.8	95.0							132.6
RUN 43/6	315	99.7	102.2	102.0	100.7	99.2	98.8	99.2	98.7	96.8	97.1							133.1
TAPE	400	94.0	95.0	97.5	98.2	96.7	95.8	93.8	93.3	91.3	90.6							129.8
BAR 29.7 HG	500	89.3	93.0	93.8	92.8	91.2	90.5	90.0	88.8	87.0	85.8							124.2
(00228. N/M2)	630	89.8	93.3	94.3	94.0	92.7	91.8	90.5	88.8	86.8	85.6							124.9
TAMP 71. DEG F	800	87.5	91.3	94.0	94.3	93.5	92.3	91.0	89.3	86.3	84.6							125.0
(295. DEG K)	1000	85.0	90.0	93.5	93.7	92.7	91.1	89.3	87.3	84.5	82.3							123.9
TRET 63. DEG F	1250	84.8	89.5	94.5	95.0	93.0	91.3	89.6	87.8	85.0	82.8							124.5
(290. DEG K)	1600	83.3	89.1	94.0	95.7	93.7	91.6	89.3	87.1	84.5	81.9							124.7
HACT 12.28 GM/H3	2000	84.0	89.6	93.5	96.7	94.7	91.8	89.9	86.9	83.8	81.9							125.2
(.61228 KG/M3)	2500	90.2	96.1	99.8	101.9	100.7	97.3	94.4	92.2	87.7	85.9							130.8
NFA 9320. RPM	3150	92.0	97.6	101.2	103.7	102.1	99.1	95.6	92.4	88.7	86.9							132.3
( 976. RAD/SEC)	4000	92.1	97.2	100.7	102.6	101.5	98.0	94.3	90.6	87.6	85.8							131.5
NFK 9214. RPM	5000	92.5	98.2	101.1	103.0	102.5	100.2	95.8	92.3	89.0	86.7							132.5
( 965. RAD/SEC)	6300	93.1	98.8	101.8	103.0	102.4	99.6	95.3	91.4	88.2	87.7							132.5
NFD 11517. RPM	8000	91.9	98.0	100.9	102.2	101.2	98.7	96.2	92.1	88.2	86.6							131.8
(1206. RAD/SEC)	10000	92.3	99.5	102.7	102.6	102.1	100.5	97.5	93.8	89.4	88.3							133.2
NO. OF BLADES 18	12500	91.9	99.8	102.1	102.6	101.6	99.8	98.0	94.0	88.9	87.7							133.1
FAN TIP SPEED	16000	89.8	97.8	99.0	100.6	98.6	97.4	96.3	91.8	87.9	87.2							131.1
814. FT/SEC	20000	88.5	97.0	99.8	100.8	99.4	98.9	98.6	94.1	90.4	89.4							132.5
	25000	89.2	97.4	99.9	101.0	100.5	99.6	98.5	95.0	90.2	90.1							133.6
	31500	87.3	97.7	99.9	100.2	99.6	98.4	98.1	94.1	90.2	89.0							133.8
	40000	80.7	93.9	96.0	96.3	96.1	95.1	94.8	90.4	87.4	85.6							131.6
	50000	75.2	90.3	90.8	91.3	91.8	90.2	90.7	85.2	83.3	80.4							128.6
	63000	75.4	83.5	82.9	83.4	83.0	83.8	83.7	78.5	75.7	73.0							124.9
	80000	80.7	83.0	82.0	82.4	82.6	82.3	82.9	80.1	72.2	70.4							127.4
OVERALL MEASURED																		
OVERALL CALCULATED		108.1	111.7	113.6	114.4	113.3	111.7	110.2	107.6	105.0	104.2							149.4
PNDP		117.3	121.8	124.7	126.3	125.0	122.7	119.9	117.2	114.1	112.7							

Run 43/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 14.9

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT WFL, MM, DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT.	(152.40 M)	50	67.4	75.7	79.1	81.1	78.8	78.9	79.5	78.4	77.6	76.7							
		63	66.7	72.1	74.8	76.9	78.4	78.2	77.1	74.7	72.1	71.2							
		80	71.1	75.7	77.3	77.4	78.4	80.2	80.9	79.5	77.7	75.5							
NFA 2625. RPM	( 275. RAD/SEC)	100	68.4	75.6	78.2	78.9	78.6	79.0	80.0	79.6	77.5	77.3							
		125	62.1	69.0	73.4	76.1	75.9	75.8	74.3	73.9	71.8	70.8							
		160	56.8	65.6	69.4	70.4	70.2	70.3	70.3	69.2	67.3	65.6							
NFK 2595. RPM	( 272. RAD/SEC)	200	56.7	65.4	69.6	71.4	71.5	71.4	70.6	69.0	66.9	65.2							
		250	53.9	63.0	69.0	71.3	72.0	71.7	70.9	69.3	66.2	63.9							
NFD 3244. RPM	( 340. RAD/SEC)	315	50.8	61.3	68.1	70.5	70.9	70.2	68.9	67.1	64.2	61.4							
		400	49.9	60.3	68.7	71.4	70.9	70.2	69.0	67.4	64.5	61.7							
AIRFLOW RATIO	NF/WM 12.60	500	47.7	59.4	67.9	71.9	71.4	70.2	68.5	66.5	63.7	60.5							
		630	47.7	59.4	67.9	71.9	71.4	70.2	68.5	66.5	63.7	60.5							
		800	53.1	65.2	72.7	77.3	77.7	75.4	73.0	71.0	66.4	63.9							
VEHICLE	UTHSIM	1000	53.9	66.1	73.7	78.6	78.8	76.8	73.9	70.9	67.0	64.6							
CONFIG	A+3	1250	53.1	65.1	72.6	77.1	77.8	75.4	72.3	68.8	65.6	63.1							
LOC	SCHENECTADY	1600	52.2	65.2	72.3	76.9	78.2	77.1	73.3	70.1	66.6	63.6							
DATE	7/22/75	2000	51.4	64.9	72.4	76.4	77.7	76.1	72.4	68.7	65.3	62.2							
RUN	43/6	2500	49.0	63.2	70.8	75.0	76.0	74.8	72.9	69.0	64.9	62.6							
TAPE		3150	47.3	63.3	71.6	74.6	76.2	75.9	73.5	70.2	65.5	63.7							
FAN TIP SPEED		4000	43.9	61.6	69.4	73.4	74.6	74.2	73.2	69.4	64.0	62.1							
	814. FT/SEC	5000	40.1	58.6	65.7	70.9	71.2	71.4	71.2	66.9	62.7	61.3							
		6300	33.7	54.4	63.9	69.0	70.2	71.3	71.9	67.7	63.7	61.8							
		8000	26.4	49.6	60.0	66.0	68.5	69.5	69.5	66.3	61.1	60.0							
		10000	13.4	42.6	54.6	60.7	63.8	64.9	65.8	62.2	57.9	55.5							
OVERALL CALCULATED			75.3	82.4	86.5	89.2	89.5	89.0	88.2	86.5	84.2	82.9							
	PND8		75.3	86.6	96.1	99.6	100.6	100.1	98.4	95.4	91.4	89.5							

SIDELINE 200. FT.	( 60.96 M)	50	77.2	84.7	87.7	89.6	87.1	87.1	87.8	86.6	85.8	84.9							
		63	76.7	81.3	83.6	85.5	86.8	86.5	85.4	83.1	80.5	79.6							
		80	81.5	85.2	86.2	86.1	86.9	88.7	89.3	88.0	86.1	84.0							
		100	79.0	85.3	87.4	87.8	87.4	87.5	88.5	88.2	86.1	85.9							
		125	73.1	78.9	82.8	85.2	84.8	84.6	83.0	82.6	80.5	79.3							
		160	68.1	75.7	78.9	79.6	79.2	79.2	79.2	78.1	76.2	74.5							
		200	68.3	75.8	79.3	80.7	80.6	80.4	79.8	78.0	75.9	74.2							
		250	65.9	73.7	78.9	80.9	81.3	80.9	80.0	78.4	75.3	73.1							
		315	63.1	72.2	78.3	80.3	80.4	79.5	78.2	76.3	73.4	70.8							
		400	62.6	71.6	79.2	81.4	80.6	79.7	78.4	76.8	73.9	71.2							
		500	60.8	70.9	78.5	82.0	81.2	79.9	78.1	76.0	73.3	70.1							
		630	61.2	71.2	77.9	82.9	82.1	80.0	78.5	75.7	72.4	70.1							
		800	67.1	77.5	83.9	88.0	87.9	85.4	82.9	80.9	76.3	73.9							
		1000	68.4	78.7	85.3	89.5	89.3	87.0	84.1	81.0	77.1	74.6							
		1250	68.2	78.2	84.5	88.3	88.6	85.9	82.8	79.1	76.0	73.6							
		1600	68.1	78.8	84.7	88.5	89.3	87.9	83.9	80.7	77.2	74.4							
		2000	68.2	79.1	85.1	88.3	89.1	87.2	83.4	79.6	76.3	75.3							
		2500	66.5	78.0	84.0	87.4	87.7	86.2	84.2	80.2	76.1	74.1							
		3150	66.1	79.0	85.5	87.5	88.5	87.8	85.2	81.8	77.2	75.6							
		4000	64.7	78.6	84.4	87.2	87.7	86.8	85.6	81.8	76.4	74.7							
		5000	62.1	76.4	81.2	85.1	84.7	84.4	84.0	79.6	75.5	74.3							
		6300	59.0	74.5	81.3	84.8	85.1	85.6	85.8	81.6	77.7	76.1							
		8000	56.9	73.3	80.1	84.1	85.4	85.7	85.2	81.9	76.9	76.1							
		10000	51.1	71.2	78.5	82.0	83.5	83.7	84.1	80.3	76.2	74.2							
OVERALL CALCULATED			86.1	93.0	97.3	99.9	100.0	99.2	98.2	96.0	93.4	92.1							
	PND8		91.9	103.5	109.4	112.1	112.6	111.8	110.1	106.8	102.9	101.2							



## Run 43/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 MR. 1979														
MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																
ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ. (0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.10)(2.28)(2.46)(2.64)(2.82)(3.00) PwL		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.
50		50	50	50	50	50	50	50	50	50	50	50	50	50	50	
63		63	63	63	63	63	63	63	63	63	63	63	63	63	63	
80		80	80	80	80	80	80	80	80	80	80	80	80	80	80	
RADIAL 17. FT. ( 5. M)		100	95.0	88.8	85.0	85.8	87.0	89.3	90.3	91.0	90.5	89.8			123.3	
VEHICLE UTHSIM		125	95.8	94.8	95.5	95.0	94.5	95.5	95.0	94.0	92.8	93.3			126.2	
CONFIG A*3		160	97.8	102.3	102.8	102.8	100.5	98.0	98.5	97.0	95.8	96.1			133.2	
LOC SCHENECTADY		200	98.5	99.0	99.5	99.5	99.5	98.7	97.0	94.2	92.3	91.6			131.1	
DATE 7/22/75		250	102.7	102.5	101.2	100.0	100.0	100.7	100.5	99.2	97.5	96.0			133.6	
RUM 43/7		315	99.7	102.7	102.5	101.2	99.7	99.8	99.7	99.2	97.3	97.3			133.6	
TAPE		400	95.5	97.0	98.7	99.2	98.2	97.0	95.0	94.5	92.3	91.3			130.8	
BAR 29.7 HG		500	91.3	93.5	94.5	94.0	92.2	91.8	91.0	90.3	88.0	86.8			125.2	
(00228. N/M2)		630	90.8	94.0	94.8	94.8	94.0	93.3	91.5	90.0	88.5	87.1			126.0	
TAMB 72. DEG F		800	89.3	92.0	94.8	95.3	94.5	93.3	91.8	90.0	87.5	85.8			125.9	
(295. DEG K)		1000	86.3	89.8	94.5	95.0	93.2	92.6	90.8	88.8	85.8	83.6			125.0	
T-ET 54. DEG F		1250	85.8	89.8	95.5	96.5	94.7	92.8	90.8	88.8	85.5	83.8			125.8	
(291. DEG K)		1600	84.5	89.8	94.5	96.7	95.0	92.8	90.8	88.6	85.8	83.4			125.8	
HACT12.77 GH/M3		2000	85.5	90.3	94.3	97.2	95.2	93.1	90.6	89.2	85.5	82.9			126.0	
(0.01277 KG/M3)		2500	90.5	95.6	98.8	101.7	99.4	96.8	94.6	91.4	88.0	85.6			130.2	
NFA 9684. RPM		3150	93.2	98.8	102.7	105.4	103.6	101.3	98.4	94.9	92.2	88.4			134.1	
(1014. RAD/SEC)		4000	92.9	97.7	101.2	103.3	102.5	98.8	95.1	92.1	88.9	86.3			132.3	
NFK 9565. RPM		5000	92.5	97.9	101.3	104.0	102.5	99.7	96.5	92.8	89.3	87.2			132.8	
(1001. RAD/SEC)		6300	95.6	100.6	103.8	106.2	105.2	101.9	96.8	93.7	90.2	89.0			135.1	
NFD 11517. RPM		8000	92.9	98.7	101.1	102.7	101.2	99.5	97.0	93.6	89.2	88.1			132.3	
(1206. RAD/SEC)		10000	93.0	100.2	103.2	104.1	103.1	102.0	98.7	95.1	90.6	89.3			134.3	
NO. OF BLADES 18		12500	93.2	100.8	102.3	103.6	102.4	101.6	99.8	95.0	90.8	88.9			134.2	
FAN TIP SPEED		16000	91.5	98.7	100.0	101.0	100.1	98.4	97.3	93.3	88.8	86.7			132.1	
845. FT/SEC		20000	90.0	98.2	100.8	101.8	100.9	100.1	98.5	95.1	91.1	89.4			133.5	
		25000	90.7	98.4	100.3	101.8	100.7	100.1	99.2	95.2	91.6	90.8			134.2	
		31500	87.7	98.4	101.1	101.9	100.8	100.4	98.8	95.8	91.7	90.4			135.2	
		40000	82.4	95.4	97.7	97.4	97.3	96.5	96.0	91.3	88.8	86.8			132.9	
		50000	75.6	90.7	91.9	92.7	93.2	91.8	92.3	86.1	84.7	81.6			130.2	
		63000	75.5	84.1	84.3	85.2	86.1	84.7	84.8	79.3	77.0	73.3			125.8	
		80000	80.5	82.8	81.8	82.2	82.4	82.1	82.8	80.0	72.6	70.5			127.3	
OVERALL MEASURED																
OVERALL CALCULATED		108.9	112.5	114.3	115.6	114.4	112.8	111.1	108.5	105.9	105.0				146.4	
PND9		118.4	122.7	125.7	127.6	126.2	124.1	121.5	118.8	116.0	113.7					

Run 43/Reading 7

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 29 HR. 14.9

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)											
FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)
SIDELINE 500. FT. (152.40 M)	50	67.9	76.7	79.9	81.6	80.6	78.9	79.4	78.4	77.1	78.9
	63	68.2	73.1	76.3	78.1	79.4	79.4	78.1	75.5	73.4	72.2
	80	71.8	76.2	77.8	78.4	79.6	81.2	81.4	80.3	78.4	76.5
NFA 2726. RPM ( 286. RAD/SEC)	100	68.4	76.1	78.7	79.4	79.1	80.0	80.5	80.1	78.0	77.5
	125	63.6	70.0	74.7	77.1	77.4	77.1	75.5	75.2	72.8	71.3
NFK 2694. RPM ( 282. RAD/SEC)	150	58.8	66.1	70.1	71.6	71.2	71.6	71.3	70.7	68.3	66.6
	200	57.7	66.2	70.1	72.1	72.7	72.9	71.6	70.3	68.6	66.7
NFD 3244. RPM ( 340. RAD/SEC)	250	55.7	63.7	69.7	72.3	73.0	72.7	71.7	70.1	67.4	65.2
	315	52.0	61.1	69.1	71.8	71.4	71.7	70.4	68.6	65.4	62.7
	400	50.9	60.6	69.7	73.0	72.7	71.7	70.2	68.4	65.0	62.7
AIRFLOW RATIO WF/WM 12.60	500	49.0	60.1	68.4	72.9	72.6	71.5	69.8	68.0	65.0	62.0
	630	54.2	65.4	72.2	77.5	76.8	75.2	73.5	70.5	66.9	64.0
	800	56.1	68.0	75.7	80.8	80.7	79.4	77.0	73.8	70.8	66.4
VEHICLE UTHSIM CONFIG A+3	1000	54.9	66.3	73.7	78.3	79.2	78.5	73.4	70.7	67.2	64.0
	1250	53.5	65.8	73.3	78.5	78.7	77.1	74.5	71.0	67.3	64.6
LCC SCHENECTADY DATE 7/22/75	1600	55.4	67.6	75.1	80.3	81.0	78.6	74.4	71.5	67.8	66.0
	2000	51.3	64.9	71.8	76.2	76.5	76.0	74.1	71.0	66.4	64.6
RUN 43/7	2500	50.2	65.6	73.2	77.1	78.1	78.2	75.5	72.1	67.5	65.3
TAPE	3150	48.4	64.8	71.4	75.8	76.7	77.1	76.1	71.5	67.1	64.5
FAN TIP SPEED 845. FT/SEC	4000	43.8	60.9	67.7	72.1	73.4	73.1	72.8	69.0	64.3	63.4
	5000	40.7	59.4	67.9	72.5	73.9	74.6	73.8	70.6	66.4	64.9
	6300	36.5	56.4	65.1	70.6	72.1	73.1	73.2	70.4	65.6	63.8
	8000	25.8	51.5	62.1	67.8	69.7	71.2	70.7	68.0	63.5	61.3
	10000	9.8	41.6	53.7	59.3	62.8	64.4	65.1	60.8	57.9	54.6
OVERALL CALCULATED		76.1	83.2	87.5	90.5	90.8	90.3	89.3	87.4	85.0	83.7
PAGE		76.9	89.9	97.0	101.0	101.7	101.6	100.3	96.9	93.0	90.8

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. ( 60.96 M)	50	77.7	85.7	88.5	90.1	88.9	87.1	88.0	86.6	85.3	85.2
	63	78.2	82.3	85.1	86.7	87.8	87.8	86.4	83.8	81.7	80.6
	80	82.2	85.7	86.8	87.1	88.2	89.7	89.8	88.7	86.9	85.0
	100	79.0	85.8	87.9	88.3	87.9	88.6	89.0	88.7	86.6	86.2
	125	74.6	79.9	84.0	86.2	86.3	85.8	84.2	83.9	81.5	80.1
	160	70.1	76.2	79.7	80.8	80.2	80.5	80.2	79.6	77.2	75.5
	200	69.3	76.6	79.8	81.5	81.9	81.9	80.6	79.2	77.6	75.7
	250	67.6	74.4	79.7	81.9	82.3	81.9	80.8	79.2	76.5	74.4
	315	64.3	72.0	79.3	81.5	80.9	81.0	79.7	77.8	74.7	72.0
	400	63.6	71.8	80.2	82.9	82.3	81.2	79.6	77.8	74.4	72.2
	500	62.0	71.7	79.0	83.0	82.5	81.1	79.3	77.5	74.5	71.6
	630	67.7	77.2	83.1	87.9	86.8	85.1	83.3	80.2	76.7	73.8
	800	70.1	80.2	87.0	91.4	90.9	89.4	86.9	83.7	80.6	76.5
	1000	69.4	79.0	85.2	89.2	89.7	86.8	83.5	80.8	77.3	74.3
	1250	68.7	78.9	85.2	89.7	89.5	87.8	84.9	81.4	77.7	75.1
	1600	71.2	81.3	87.4	91.8	92.1	89.6	85.1	82.1	78.4	76.8
	2000	68.1	79.1	84.6	88.1	87.9	87.1	85.1	81.9	77.3	75.6
	2500	67.8	80.3	86.5	89.4	89.8	89.6	86.8	83.3	78.7	76.9
	3150	67.2	80.5	85.3	88.7	88.9	89.0	87.8	83.2	78.9	76.4
	4000	64.6	77.9	82.6	85.9	86.5	85.7	85.2	81.3	76.7	76.1
	5000	62.7	77.3	83.5	86.8	87.4	87.6	86.6	83.3	79.2	77.9
	6300	61.8	76.6	82.4	86.4	86.9	87.4	87.1	84.3	79.5	78.1
	8000	56.3	75.1	82.3	85.9	86.6	87.3	86.5	83.7	79.3	77.4
	10000	47.6	70.2	77.7	80.7	82.6	83.1	83.3	78.9	76.1	73.4
OVERALL CALCULATED		87.0	94.0	98.3	101.3	101.3	100.6	99.4	97.1	94.3	92.9
PAGE		93.1	104.7	110.1	113.3	113.5	113.2	111.8	108.3	104.5	102.6



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT REL. HUM. DAY)  
 PROC. DATE = MONTH 7 DAY 29 HR. 19.0

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
SIDELINE 900. FT. (152.40 M)	50	68.9	77.5	80.4	82.1	81.1	77.9	78.8	76.9	75.2	75.7	
NFA 2823. RPM (1296. RAD/SEC)	63	70.2	74.9	77.8	79.6	80.6	80.4	82.2	82.1	80.8	79.2	77.9
NFK 2783. RPM (1291. RAD/SEC)	80	72.8	77.3	79.8	80.6	80.9	81.0	82.0	81.6	79.0	78.8	
NFD 3244. RPM (1340. RAD/SEC)	100	70.4	77.0	79.7	80.6	80.9	81.0	82.0	81.6	79.0	78.8	
AIRFLOW RATIO MF/WH 12.60	125	64.6	71.2	75.7	77.9	77.9	78.1	78.8	76.2	74.1	72.3	
VEHICLE CONFIG LCC SCHENECTADY DATE 7/22/75 RUN: 43/8 TAPE	160	61.5	67.8	71.6	73.1	73.4	73.1	72.8	71.5	69.1	67.9	
FAN TIP SPEED 875. FT/SEC	200	60.0	67.7	71.1	73.6	74.7	73.9	72.9	71.3	69.1	68.2	
OVERALL CALCULATED	250	57.2	65.2	70.7	73.1	74.0	73.7	72.7	71.3	69.1	68.2	
PND8	315	54.0	62.3	69.6	72.3	72.4	72.2	70.9	69.6	66.2	63.9	
	400	52.1	61.6	70.0	73.2	73.2	71.7	70.5	69.7	66.2	63.7	
	500	50.2	61.1	68.6	72.9	73.1	71.5	69.8	68.5	65.0	62.7	
	630	53.9	65.1	71.2	76.5	76.3	75.0	72.8	70.8	66.2	64.0	
	800	58.1	69.0	75.5	80.6	81.2	80.9	77.3	74.8	70.6	67.4	
	1000	58.9	66.8	74.4	79.1	79.7	78.0	75.2	71.7	68.0	65.3	
	1250	55.5	66.8	73.3	78.1	79.0	77.1	75.0	71.8	68.3	65.6	
	1600	57.6	69.9	77.1	81.5	81.0	80.1	77.4	73.0	70.0	69.0	
	2000	52.9	65.2	72.3	76.7	77.3	77.3	74.7	72.0	67.4	65.4	
	2500	51.7	67.1	74.0	77.4	78.8	78.7	76.6	73.4	69.0	67.3	
	3150	49.9	65.8	72.7	76.4	77.7	77.7	76.6	73.1	68.2	66.5	
	4000	45.1	62.4	69.0	72.9	74.2	74.1	73.9	70.3	66.1	64.7	
	5000	42.3	60.5	68.5	72.8	74.2	74.7	73.6	71.7	68.0	66.7	
	6300	37.6	57.1	66.7	70.7	73.5	74.0	74.0	71.0	66.7	65.9	
	8000	27.5	52.4	63.3	68.7	70.6	72.3	71.8	68.7	64.9	62.9	
	10000	10.3	42.8	54.9	61.1	64.1	65.3	66.8	62.8	59.8	56.6	
	PNDB	77.6	84.3	88.3	91.1	91.5	91.1	90.1	88.3	85.6	84.4	
		78.8	91.1	97.8	101.5	102.5	102.3	101.1	98.1	94.1	92.4	

SIDELINE 200. FT. (60.96 M)	50	78.7	86.5	89.0	90.6	89.4	86.1	87.0	85.1	84.0	83.9
	63	80.2	84.1	86.6	88.2	89.0	88.8	87.4	85.3	82.7	81.8
	80	83.2	86.4	87.8	88.1	88.9	90.7	90.6	89.2	87.6	85.2
	100	81.0	87.0	88.9	89.5	89.6	89.6	90.5	90.2	87.6	85.2
	125	75.6	81.1	85.0	86.9	86.8	86.8	85.5	84.9	82.8	81.1
	160	72.8	78.0	81.2	82.3	82.5	82.0	81.7	80.3	77.9	76.0
	200	71.6	78.1	80.8	83.0	83.9	82.9	81.9	80.2	78.1	77.2
	250	69.1	75.9	80.7	82.6	83.3	82.9	81.8	80.4	77.8	75.9
	315	66.3	73.2	79.6	82.0	81.9	81.5	80.2	78.8	75.4	73.3
	400	64.8	72.8	80.4	83.1	82.8	81.2	79.9	79.1	75.6	73.2
	500	63.3	72.7	79.3	83.0	83.0	81.1	79.3	78.0	74.5	72.4
	630	67.5	77.0	82.1	86.9	86.3	84.8	82.5	80.5	75.9	73.6
	800	72.1	81.3	86.7	91.2	91.4	90.9	87.2	84.7	80.5	77.5
	1000	71.4	79.5	86.0	90.0	90.2	88.3	85.3	81.8	78.1	75.6
	1250	70.7	79.9	85.2	89.2	89.6	87.6	85.4	82.1	78.7	76.1
	1600	73.5	83.5	89.4	93.1	92.1	90.9	88.1	83.6	80.7	79.8
	2000	69.6	79.4	85.1	88.6	88.7	88.4	85.6	82.9	78.3	76.5
	2500	69.3	81.9	87.2	89.7	90.6	90.1	87.8	84.8	80.2	78.7
	3150	68.8	81.5	86.6	89.3	90.0	89.6	88.3	84.7	79.9	78.4
	4000	65.9	79.4	83.9	86.7	87.3	86.7	86.3	82.6	78.5	77.4
	5000	64.3	78.3	84.1	87.1	87.7	87.7	86.4	82.4	78.5	77.4
	6300	62.9	77.2	84.0	86.5	88.3	87.7	86.3	84.9	80.8	79.7
	8000	58.0	76.0	83.4	87.8	87.5	86.5	84.9	80.6	77.4	75.4
	10000	48.0	71.4	78.9	82.4	83.8	84.1	85.0	80.9	78.1	75.4
	PNDB	88.5	95.1	99.1	101.8	102.0	101.5	100.3	98.0	95.1	93.9
		94.8	105.8	111.0	113.9	114.4	113.9	112.6	109.5	105.5	104.1

## Run 43/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 9 DAY 20 HR. 15.0

		MODEL SOUND PRESSURE LEVELS (59. DEC. F. 70 PERCENT REL. HUM. DAVI)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(10.	(10.)	
50																		
63																		
80																		
RADIAL 17. FT.																		
( 5. M)		100	98.5	95.0	89.3	86.5	88.3	89.5	90.3	91.3	90.5	90.0						124.9
VEHICLE	UTNSIM	125	98.8	96.8	96.3	95.8	94.8	95.8	96.0	94.5	93.3	93.8						129.8
CONFIG	A+3	160	99.0	103.3	103.5	103.3	101.5	97.3	97.3	96.3	95.5	95.5						133.9
LCC	SCHENECTADY	200	101.5	102.7	102.7	102.7	102.7	101.5	99.2	97.2	94.5	94.0						134.1
DATE	7/22/75	250	103.7	103.7	103.0	102.0	101.7	102.2	102.0	100.2	98.7	97.2						139.1
RUN	43/9	315	101.7	104.0	104.2	103.5	102.5	102.3	102.7	102.2	99.5	100.0						136.8
TAPE		430	97.5	99.3	101.7	101.7	100.0	99.3	97.8	96.8	95.0	94.2						132.4
BAR	29.7 HG	500	93.0	96.0	97.0	96.8	95.2	94.3	93.8	92.3	90.7	89.3						127.8
	(00228. N/M2)	630	93.8	96.0	97.0	97.0	96.5	95.3	94.3	92.8	90.8	89.8						128.3
TAMB	74. DEG F	800	91.5	94.5	96.5	97.3	97.2	95.6	94.5	93.0	90.5	88.8						128.3
	(298. DEG K)	1000	89.3	92.0	95.5	96.5	95.7	94.1	92.8	91.3	88.5	86.5						128.9
T-ET	64. DEG F	1250	87.8	92.3	96.0	97.2	96.2	94.3	92.6	90.8	88.0	86.3						127.2
	(291. DEG K)	1600	86.5	91.6	94.5	98.0	96.2	93.8	91.8	90.1	87.0	85.0						126.8
HACT	12.18 GM/MS	2000	87.3	92.3	95.3	98.2	96.7	94.1	91.9	90.2	87.0	84.8						127.2
	(.01218 KG/MS)	2500	91.0	95.1	97.5	100.2	98.9	96.6	93.9	92.2	88.2	85.8						129.4
NFA	10475. RPM	3150	96.7	100.6	103.2	106.2	104.6	102.8	98.9	96.7	92.4	90.3						135.1
	(1097. RAD/SEC)	4000	96.6	100.7	102.9	104.8	104.0	101.5	98.1	94.4	91.3	89.2						134.3
NFK	10327. RPM	5000	96.6	100.2	102.3	104.0	103.2	100.7	98.3	94.8	91.3	89.4						133.7
	(1081. RAD/SEC)	6300	100.6	104.6	106.6	108.0	107.4	105.1	101.8	97.4	93.9	92.2						137.8
NFD	11517. RPM	8000	95.4	100.5	102.6	103.9	102.9	101.5	98.2	95.9	91.9	90.0						134.0
	(1206. RAD/SEC)	10000	95.8	103.0	105.2	105.4	105.4	103.3	101.7	98.1	93.6	92.3						136.3
NO. OF BLADES	18	12500	96.0	102.5	104.8	104.6	104.2	103.1	102.0	98.1	93.6	92.4						136.0
FAN TIP SPED	16000	20000	94.1	101.0	102.3	103.3	101.9	101.4	100.4	96.1	92.1	91.5						134.6
	914. FT/SEC	25000	92.8	100.8	102.4	103.1	102.7	101.7	100.9	97.6	93.9	93.4						135.4
		31500	92.8	100.0	102.7	102.9	103.0	102.0	101.1	98.8	94.7	94.8						136.2
		40000	90.6	100.5	103.0	103.3	102.4	102.0	101.7	98.7	94.5	93.5						137.2
		50000	84.3	97.6	99.9	100.4	100.0	99.2	99.0	95.1	92.5	90.4						135.8
		63000	78.4	93.7	94.7	94.8	96.5	95.1	95.6	89.6	88.2	86.0						133.3
		80000	76.4	86.7	87.4	86.6	89.0	87.8	87.7	82.0	81.6	79.2						128.5
			81.0	83.3	82.3	82.7	82.9	82.6	83.3	80.5	82.5	80.7						128.7
OVERALL MEASURED																		
OVERALL CALCULATED		111.3	114.6	116.2	116.9	116.2	114.7	113.3	110.8	107.9	107.1							148.3
PNDR		121.9	125.4	127.3	128.6	127.8	125.8	123.2	120.8	117.4	115.7							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F. 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.)
	50	69.2	77.7	80.6	82.1	81.6	78.1	78.5	77.7	76.8	76.4						
	63	71.2	76.9	79.8	81.4	82.6	82.2	80.4	78.5	75.8	74.7						
SIDELINE 500. FT.	80	72.8	77.5	79.5	80.4	81.4	82.7	82.9	81.3	79.8	77.7						
(152.40 M)	100	70.4	77.3	80.5	81.6	81.9	82.5	83.5	83.1	80.2	80.2						
NFA 2950. RPM	125	65.6	72.2	77.7	79.6	79.2	79.3	78.3	77.4	75.5	74.3						
( 309. RAD/SEC)	160	60.5	68.6	72.6	74.4	74.2	74.1	74.1	72.7	71.0	69.1						
NFK 2909. RPM	200	60.7	68.2	72.3	74.4	75.2	74.9	74.4	73.0	70.9	69.4						
( 305. RAD/SEC)	250	57.9	66.2	71.5	74.3	75.7	74.9	74.4	73.1	70.4	68.1						
NFD 3244. RPM	315	55.0	63.3	70.1	73.3	73.9	73.2	72.4	71.1	68.2	65.6						
( 340. RAD/SEC)	400	52.9	63.1	70.2	73.7	74.2	73.2	72.0	70.4	67.4	65.2						
AIRFLOW RATIO	500	51.6	61.9	68.4	74.1	73.9	72.2	71.0	69.5	66.2	63.7						
WF/WH 12.60	630	54.7	64.9	71.0	76.0	76.3	75.0	72.8	71.3	67.1	64.2						
	800	52.6	69.8	76.2	81.6	81.7	80.6	77.5	75.5	71.1	68.4						
VEHICLE UTMSIM	1000	58.6	69.3	75.4	79.8	80.7	79.3	76.4	72.9	69.7	67.0						
CONFIG A+3	1250	57.5	68.1	74.3	78.6	79.5	78.1	76.3	73.0	69.3	66.8						
LCC SCHENECTADY	1600	60.4	71.6	77.9	82.0	83.3	82.1	79.2	75.2	71.5	69.2						
DATE 7/22/75	2000	53.9	66.7	73.3	77.4	78.3	78.0	75.4	73.3	69.1	66.6						
RUN 43/9	2500	53.0	68.3	75.3	78.4	80.3	79.4	78.6	75.2	70.5	68.5						
TAPE	3150	51.2	66.6	73.9	76.9	78.4	78.7	78.3	74.6	69.9	68.0						
FAN TIP SPEED	4000	46.3	63.2	70.0	74.4	75.2	76.1	75.9	71.8	67.6	66.2						
914. FT/SEC	5000	43.6	62.0	69.5	73.8	75.7	76.2	76.1	73.2	69.2	67.9						
	6300	38.6	58.1	67.4	71.7	74.5	75.0	75.0	73.0	68.6	67.9						
	8000	28.7	53.6	64.0	69.2	71.4	72.8	73.6	70.9	66.4	64.4						
	10000	11.8	43.8	55.9	62.3	65.6	67.1	68.0	64.5	61.5	58.3						
OVERALL CALCULATED	72.0	85.1	89.2	91.9	92.7	92.2	91.3	89.5	86.8	85.6							
PNDR	60.3	92.3	98.9	102.4	103.8	103.3	102.6	99.6	95.6	93.7							

ORIGINAL PAGE IS OF POOR QUALITY

	50	79.0	86.7	89.2	90.6	89.9	86.3	86.8	85.9	85.0	84.0						
	63	81.2	86.1	88.4	90.0	91.0	90.5	88.7	86.8	83.9	83.0						
SIDELINE 200. FT.	80	83.2	86.9	88.5	89.1	89.9	91.2	91.3	89.7	88.1	86.2						
( 60.96 M)	100	81.0	87.0	89.6	90.5	90.6	91.1	92.0	91.7	88.8	88.9						
	125	76.6	82.1	87.0	88.7	88.0	88.1	87.0	86.1	84.2	83.0						
	160	71.8	78.7	82.2	83.6	83.2	83.0	82.9	81.6	79.9	78.0						
	200	72.3	78.6	82.1	83.7	84.4	83.9	83.4	82.0	79.8	78.4						
	250	69.9	76.9	81.4	83.9	85.0	84.1	83.5	82.2	79.5	77.3						
	315	67.3	74.2	80.3	83.0	83.4	82.5	81.7	80.3	77.4	75.0						
	400	65.6	74.3	80.7	83.6	83.8	82.7	81.4	79.8	76.8	74.7						
	500	64.0	73.4	79.0	84.3	83.7	81.9	80.6	79.0	75.7	73.3						
	630	68.2	76.7	81.9	86.4	86.3	84.8	82.5	81.0	76.9	74.0						
	800	73.6	82.0	87.5	92.2	91.9	90.7	87.4	85.4	81.0	78.4						
	1000	73.1	82.0	87.0	90.7	91.2	89.5	86.5	83.0	79.8	77.2						
	1250	72.7	81.1	86.2	89.7	89.3	88.6	86.8	83.4	79.6	77.3						
	1600	76.3	85.3	90.2	93.6	94.3	92.9	89.8	85.8	82.2	80.0						
	2000	70.6	80.9	86.1	89.4	89.7	89.2	86.4	84.2	80.0	77.7						
	2500	70.5	83.1	88.5	90.7	92.1	90.9	89.6	86.4	81.7	79.9						
	3150	70.0	82.3	87.8	89.8	90.7	90.6	90.0	86.2	81.6	79.9						
	4000	67.2	80.2	84.9	88.2	88.3	88.7	88.3	84.1	80.0	78.8						
	5000	65.5	79.8	85.1	88.1	89.2	89.2	88.9	85.9	82.0	80.9						
	6300	63.9	78.2	84.8	87.5	89.3	89.3	89.0	86.9	82.6	82.1						
	8000	59.2	77.3	84.2	87.3	88.3	89.0	89.4	86.6	82.2	80.5						
	10000	49.5	72.4	79.9	83.6	85.3	85.8	86.3	82.6	79.8	77.0						
OVERALL CALCULATED	89.0	96.0	100.0	102.6	103.2	102.5	101.5	99.3	96.3	95.1							
PNDR	96.3	106.8	112.1	114.6	115.5	114.9	114.1	111.0	107.1	105.5							

## Run 43/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 9 DAY 20 HR. 15.1

	MODEL SOUND PRESSURE LEVELS (59. EG. P. 70 PERCENT REL. HUM. DAY)												PNL				
	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PNL
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	
	50																
	63																
RADIAL 17. FT.	80																
( 5. M)	100	98.0	98.5	90.8	87.8	88.3	90.0	91.3	91.8	91.0	90.8						123.5
VEHICLE UTHS/M	125	98.8	98.0	96.8	95.8	95.0	96.0	95.8	94.5	93.8	94.5						129.3
CONFIG A+3	160	98.3	100.3	100.8	100.3	98.3	96.8	97.5	96.0	94.3	94.0						131.4
LCC SCHENECTADY	200	103.7	105.2	105.2	105.2	104.7	104.2	102.2	99.5	97.0	96.5						136.6
DATE 7/22/75	250	104.7	105.7	105.0	104.2	104.0	104.0	103.7	102.5	100.7	98.5						137.0
RUN 43/10	315	102.2	105.5	105.7	105.5	104.7	104.3	104.2	103.2	101.2	100.2						137.5
TAPE	400	99.0	101.8	103.2	103.5	102.2	101.5	100.0	99.3	97.0	96.0						134.4
BAR 29.7 HG	500	95.3	97.0	99.3	98.5	97.7	96.8	96.3	95.0	92.7	91.3						130.1
(00228. N/M2)	630	95.3	98.5	99.5	99.5	97.7	96.1	96.8	94.8	93.3	92.0						130.8
TAPB 76. DEG F	800	92.5	96.3	98.3	99.3	98.5	97.8	97.0	95.0	92.5	91.3						130.2
(298. DEG K)	1000	90.0	93.5	97.0	98.0	97.2	96.1	95.0	93.3	90.5	88.5						128.6
T-ET 45. DEG F	1250	89.5	93.5	97.8	99.2	98.7	96.6	95.1	93.3	90.0	88.3						129.3
(291. DEG K)	1600	88.3	92.6	98.0	98.2	97.7	95.6	93.8	92.6	89.2	87.5						129.3
HACT12.40 GH/M3	2000	89.0	92.8	96.3	99.5	98.7	96.6	94.1	92.2	89.5	87.1						129.0
(.01240 KG/M3)	2500	91.5	94.8	98.0	100.2	99.9	98.1	95.6	92.9	89.7	87.8						130.2
NFA 11624. RPM	3150	98.0	100.6	103.5	105.7	105.1	103.8	101.1	97.2	93.9	90.8						135.6
(1217. RAD/SEC)	4000	98.9	102.2	104.4	106.6	106.3	104.8	101.8	97.4	94.3	91.5						136.6
NFK 11438. RPM	5000	98.6	101.9	103.8	105.7	105.5	102.9	100.3	96.1	93.0	91.2						135.6
(1198. RAD/SEC)	6300	101.1	104.6	106.1	107.5	106.9	105.1	102.3	98.7	94.7	93.7						137.6
NFD 11517. RPM	8000	100.2	103.8	106.1	107.2	105.7	104.3	101.2	98.9	94.6	93.3						137.1
(1206. RAD/SEC)	10000	97.8	104.5	106.4	106.9	106.6	106.3	104.2	101.1	96.8	95.5						138.3
NO. OF BLADES 12	12500	98.2	104.5	106.6	106.6	106.7	105.8	104.8	100.8	96.3	95.4						138.4
FAN TIP SPEED	16000	96.1	103.0	104.5	104.8	104.1	103.7	103.1	98.8	95.1	95.0						136.6
1015. FT/SEC	20000	94.8	102.0	104.6	104.9	104.2	104.2	103.8	100.6	97.4	97.2						137.6
	25000	94.5	102.0	104.7	104.9	104.3	104.2	104.1	101.3	97.2	97.1						138.4
	31500	92.1	102.0	104.7	105.3	104.2	104.5	104.0	100.7	97.5	97.0						139.3
	40000	85.3	99.3	102.4	102.4	101.8	101.8	101.5	98.3	95.2	94.5						138.1
	50000	80.0	96.0	97.5	98.0	98.5	97.6	98.9	93.1	91.7	89.6						136.1
	63000	76.9	88.5	89.8	90.2	91.6	90.4	90.8	85.3	84.4	81.5						131.2
	80000	81.1	83.4	83.7	83.8	84.5	83.7	83.4	80.6	82.6	80.9						129.3
OVERALL MEASURED																	
OVERALL CALCULATED		112.6	116.1	117.6	118.3	117.7	116.8	115.6	112.8	110.0	108.9						158.1
PNR		123.0	126.2	128.0	129.5	129.0	127.6	125.4	122.2	119.3	117.4						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM. WAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.
	FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)
	50	68.4	74.7	77.9	79.1	78.3	77.6	76.8	77.4	75.8	74.9			
SIDELINE 500. FT.	63	73.4	79.4	82.1	83.9	84.6	84.9	83.4	80.7	78.1	77.2			
(152.40 M)	80	73.8	79.5	81.5	82.6	83.6	84.4	84.6	83.5	81.6	78.9			
NFA 3274, RPM	100	70.9	78.8	82.0	83.6	84.1	84.5	85.0	84.1	81.9	80.5			
( 343. RAD/SEC)	125	67.1	74.7	79.2	81.4	81.4	81.6	80.5	79.9	77.5	76.0			
NFK 3222, RPM	160	62.8	70.3	74.9	76.1	76.7	75.6	76.6	75.5	73.0	71.1			
( 337. RAD/SEC)	200	62.2	70.7	74.8	76.9	77.5	77.7	76.9	75.0	73.4	71.6			
NFD 3244, RPM	250	58.9	68.0	73.2	76.3	77.0	77.2	76.9	75.1	72.4	70.6			
( 340. RAD/SEC)	315	55.8	64.8	71.6	74.8	75.4	75.2	74.7	73.1	70.2	67.6			
AIRFLOW RATIO	400	54.6	64.3	72.0	75.7	76.7	75.5	74.5	72.9	69.4	67.2			
WF/WH 12.60	500	52.7	62.9	69.9	74.4	75.4	74.2	73.0	72.0	68.4	66.2			
	630	52.7	62.6	69.7	75.3	76.1	74.9	73.0	71.3	68.4	65.4			
	800	54.3	64.0	71.0	75.8	76.9	76.1	74.2	71.7	68.3	65.0			
VEHICLE UTNSIM	1000	59.9	69.1	76.0	80.7	81.8	81.5	79.4	75.7	72.2	68.5			
CONFIG A+3	1250	59.8	70.1	76.4	81.1	82.6	82.1	79.8	75.6	72.3	68.8			
LOC SCHENECTADY	1600	55.2	66.9	75.1	79.7	81.2	79.8	77.8	73.8	70.5	68.1			
DATE 7/22/75	2000	59.5	70.7	76.8	80.9	82.2	81.6	79.4	76.0	71.8	70.1			
RUN 43/10	2500	57.2	69.0	76.1	80.1	80.5	80.3	77.9	75.8	71.4	69.3			
TAPE	3150	52.8	66.3	75.3	78.9	80.7	81.7	80.3	77.4	72.9	70.9			
FAN TIP SPEED	4000	50.1	66.3	73.9	77.4	79.6	80.2	79.9	76.2	71.5	69.8			
1015. FT/SEC	5000	46.4	63.9	71.2	75.1	76.7	77.7	77.9	73.9	69.9	69.0			
	6300	46.0	59.4	68.7	73.1	75.0	76.6	76.9	74.2	70.7	69.6			
	8000	51.7	54.2	64.8	69.8	72.3	74.1	75.0	72.6	68.1	67.0			
	10000	18.2	46.9	59.4	65.8	68.4	71.0	71.7	68.8	65.3	63.5			
OVERALL CALCULATED		79.1	86.1	90.1	92.9	93.8	93.9	93.1	91.1	88.4	86.6			
PNDB		81.7	93.4	100.0	103.7	105.1	105.5	104.5	101.7	97.9	95.9			

	50	78.2	83.7	86.5	87.6	88.6	85.8	87.0	85.6	83.8	83.1			
SIDELINE 200. FT.	63	83.5	88.6	90.9	92.5	93.0	93.3	91.7	89.1	86.4	85.5			
( 60.96 M)	80	84.2	88.9	90.5	91.3	92.2	92.9	93.1	92.0	90.1	87.4			
	100	81.5	88.5	91.1	92.5	92.9	93.1	93.5	92.7	90.5	89.1			
	125	78.1	84.6	88.5	90.4	90.3	90.3	89.2	88.6	86.2	84.8			
	160	74.1	80.5	84.4	85.3	85.7	85.5	85.4	84.3	81.9	80.0			
	200	73.8	81.1	84.6	86.2	86.6	86.7	85.9	84.0	82.3	80.7			
	250	70.9	78.7	83.2	85.9	86.3	86.4	86.0	84.2	81.5	79.8			
	315	68.1	75.7	81.8	84.5	84.9	84.5	83.9	82.3	79.4	77.0			
	400	67.3	75.6	82.4	85.6	86.3	85.0	83.9	82.3	78.8	76.7			
	500	65.8	74.4	80.5	84.5	85.2	83.9	82.6	81.5	78.0	75.8			
	630	66.2	74.5	80.6	85.6	86.1	84.8	82.8	81.0	78.1	75.3			
	800	68.3	76.2	82.2	86.2	87.2	86.2	84.2	81.6	78.3	75.9			
	1000	74.5	81.7	87.5	91.5	92.3	91.8	89.6	85.8	82.4	78.8			
	1250	75.0	83.2	88.2	92.3	93.3	92.6	90.2	85.9	82.7	79.3			
	1600	74.1	82.5	87.4	91.2	92.3	90.6	88.4	84.4	81.2	78.9			
	2000	76.2	84.9	89.4	92.8	93.6	92.7	90.4	86.9	82.7	81.3			
	2500	74.8	83.8	89.3	92.4	92.2	91.7	89.2	87.0	82.6	80.8			
	3150	71.7	84.0	89.3	91.8	93.0	93.6	92.0	89.1	84.6	82.8			
	4000	71.0	83.4	88.9	91.2	92.7	92.8	92.3	88.5	83.9	82.4			
	5000	68.4	81.7	86.8	89.4	90.2	90.7	90.7	86.6	82.7	82.0			
	6300	65.3	79.6	86.1	88.8	89.9	90.9	90.9	88.1	84.7	83.8			
	8000	62.2	77.8	85.0	87.9	89.2	90.3	90.8	88.2	83.0	83.1			
	10000	55.9	75.5	83.4	87.1	88.1	89.8	89.9	86.9	83.5	82.3			
OVERALL CALCULATED		90.2	97.1	101.1	103.6	104.4	104.3	103.4	101.0	98.1	96.4			
PNDB		98.3	108.1	113.3	116.1	117.0	117.1	116.1	113.1	109.3	107.6			



## Run 43/Reading 11

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH 7 DAY 29 HP. 19.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PUL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. 110. )	(0. 110. )	(0. 110. )	(0. 110. )	(0. 110. )	(0. 110. )	
		59																
		83																
		80																
RADIAL 17. FT.																		129.4
( 5. M)		100	102.0	95.8	87.5	86.9	88.0	89.6	91.3	92.3	91.8	91.0						128.7
VEHICLE UTHSIM		125	100.5	97.3	95.3	94.9	94.0	95.0	95.0	94.0	93.3	93.3						130.6
CONFIG A+3		160	99.0	99.5	99.3	99.5	97.8	96.0	96.0	95.0	93.0	93.3						137.0
LOC SCHENECTADY		200	104.7	105.5	106.0	105.5	105.2	104.5	102.5	100.0	97.5	97.0						137.2
DATE 7/22/75		250	105.5	106.2	105.2	104.7	104.2	104.2	104.0	102.0	100.5	98.0						137.5
RUN 43/11		315	102.5	106.3	106.2	106.0	104.5	104.0	103.7	102.7	101.2	100.2						134.7
TAPE		400	99.5	102.3	103.5	103.7	102.7	101.5	100.3	99.5	97.5	96.2						130.6
BAR 29.7 HG		500	95.5	98.3	99.8	99.0	97.7	97.3	96.6	96.0	93.2	92.8						131.3
(00228. N/M2)		630	96.5	99.0	99.5	99.8	99.0	98.6	97.8	96.0	94.5	93.3						131.0
TAMB 75. DEG F		800	95.0	97.3	99.0	100.0	98.7	96.6	97.5	96.3	93.7	92.5						128.7
(297. DEG K)		1000	91.3	95.3	96.7	97.5	96.7	96.1	95.0	94.3	91.2	89.2						129.5
T-WET 65. DEG F		1250	91.0	94.3	98.3	99.5	98.5	96.6	94.8	93.8	90.2	89.0						128.6
(291. DEG K)		1600	88.5	92.8	96.5	98.2	98.0	96.1	94.3	93.1	90.0	88.0						129.1
HACT 12.69 GM/M3		2000	88.5	93.1	96.5	99.2	98.5	97.1	95.1	92.7	90.0	87.8						130.0
(1.01269 KG/M3)		2500	90.0	94.8	97.5	99.7	99.7	97.9	95.6	94.2	90.7	88.1						134.9
MFA 11018. RPM		3150	95.7	99.3	102.2	105.2	104.4	103.6	100.4	96.9	93.2	90.8						135.9
(1216. RAD/SEC)		4000	97.6	101.5	104.2	105.8	105.5	104.3	100.6	96.6	93.8	91.0						134.7
NFK 11443. RPM		5000	96.8	101.2	102.8	104.5	104.7	102.2	99.0	96.1	93.0	90.9						137.3
(1198. RAD/SEC)		6300	99.6	103.9	105.6	106.8	106.7	105.1	102.3	99.2	94.9	93.4						137.0
NFE 11517. RPM		8000	98.4	103.5	105.9	106.7	105.9	104.5	101.7	98.9	94.9	93.6						138.3
(1206. RAD/SEC)		10000	96.8	104.2	106.4	106.9	107.1	106.0	104.2	101.6	97.1	95.8						138.4
NO. OF BLADES 18		12500	96.9	104.5	106.3	106.9	106.6	105.8	104.5	101.3	96.8	95.9						137.0
FAN TIP SPEED		16000	95.6	103.0	104.5	105.1	104.6	104.1	103.1	99.1	95.3	95.2						137.6
1014. FT/SEC		20000	94.0	102.2	104.6	105.3	104.4	104.2	104.1	100.6	97.1	97.4						138.9
		25000	94.2	102.0	104.9	105.3	104.7	104.2	103.8	101.2	96.9	98.0						138.6
		31500	91.8	102.0	104.9	105.5	104.9	104.9	103.9	101.4	97.7	97.2						138.5
		40000	85.7	99.7	102.3	102.8	102.4	101.9	102.4	98.2	95.9	94.4						136.2
		50000	79.6	96.1	97.8	98.1	99.4	97.5	98.5	93.2	91.6	89.7						131.9
		63000	77.7	89.1	90.1	90.0	92.1	90.7	91.1	84.8	85.0	81.5						129.3
		80000	80.8	83.2	83.4	83.6	84.8	83.7	83.4	80.3	82.4	80.6						150.2
OVERALL MEASURED																		
OVERALL CALCULATED		112.9	116.1	117.6	116.2	117.7	116.8	115.5	113.0	110.1	109.1							
PNDP		122.4	125.9	127.8	129.0	128.6	127.4	124.8	122.3	119.2	117.4							

Run 43/Reading 11

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRCC. DATE = MONTH 7 DAY 29 HR. 19.1

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. P. 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.
SIDELINE 500. FT.	50	69.2	74.0	76.4	78.4	77.8	76.9	77.3	76.4	74.3	74.1				
(152.46 M)	63	74.4	79.6	82.8	84.1	85.1	85.2	83.6	81.2	78.6	77.7				
NFA 3272. RPM	80	74.6	80.0	81.8	83.1	83.9	84.7	84.9	83.0	81.4	78.4				
( 343. RAD/SEC)	100	71.1	79.3	82.5	84.1	83.9	84.2	84.5	83.6	81.9	80.5				
NFK 3223. RPM	125	67.6	75.2	79.4	81.6	81.9	81.6	80.8	80.2	78.0	76.3				
( 337. RAD/SEC)	160	63.0	70.8	75.4	76.6	76.7	77.1	77.1	76.5	73.5	72.6				
NFD 3244. RPM	200	63.5	71.2	74.8	77.1	77.7	78.2	77.9	76.3	74.6	72.9				
( 340. RAD/SEC)	250	61.4	69.0	74.0	77.1	77.2	77.9	77.4	76.3	73.6	71.9				
AIRFLOW RATIO	315	57.0	66.6	71.4	74.3	74.9	75.2	74.7	74.1	70.9	68.4				
WF/WB 12.60	400	56.1	65.1	72.5	76.0	76.4	75.7	74.2	73.4	69.7	67.9				
VEHICLE CONFIG	500	53.0	63.1	70.4	74.4	75.6	74.7	73.5	72.5	69.2	66.7				
UTMSIM A+3	630	52.2	62.9	70.0	75.0	75.8	75.4	74.0	71.8	68.9	66.2				
LGC SCHENECTADY	800	52.8	64.0	70.5	75.1	76.7	75.9	74.2	73.0	69.3	66.1				
DATE 7/22/75	1000	57.7	67.9	74.7	80.2	81.0	81.3	78.7	75.4	71.5	68.5				
RUN 43/11	1250	58.6	69.4	76.1	80.4	81.8	81.6	78.5	74.8	71.8	68.3				
TAPE	1600	56.5	68.2	74.1	78.4	80.5	79.1	76.5	73.8	70.5	67.8				
FAN TIP SPEED	2000	58.0	69.9	76.1	80.1	81.9	81.6	79.4	76.5	72.0	69.9				
1014. FT/SEC	2500	55.5	68.7	75.8	79.6	80.7	80.5	78.4	75.8	71.6	69.8				
OVERALL CALCULATED	3150	51.8	68.1	75.3	78.9	81.2	81.4	80.3	77.9	73.2	71.2				
PNDdB	4000	48.9	66.3	73.7	77.6	79.6	80.2	79.7	76.7	72.0	70.3				
	5000	45.9	63.8	71.2	75.3	77.2	78.2	77.9	74.2	70.1	69.2				
	6300	39.2	59.6	68.7	73.5	75.2	76.6	77.4	74.2	70.4	69.8				
	8000	31.4	54.1	65.0	70.3	72.8	74.1	74.7	72.5	67.8	67.9				
	10000	17.9	46.8	59.6	66.0	69.1	71.4	71.6	69.5	65.4	63.7				
	OVERALL CALCULATED	79.7	86.4	90.3	92.8	93.8	93.9	93.0	91.1	88.5	86.8				
	PNDdB	81.1	93.3	99.9	103.6	105.3	105.5	104.4	102.1	98.1	96.2				

ORIGINAL PAGE IS OF POOR QUALITY.

SIDELINE 200. FT.	50	79.0	83.0	85.0	86.8	86.1	85.1	85.5	84.6	82.5	82.3				
( 60.96 M)	63	84.5	88.8	91.6	92.7	93.5	93.5	91.9	89.6	86.9	86.0				
	80	85.0	89.4	90.8	91.8	92.4	93.2	93.3	91.5	89.8	86.9				
	100	81.8	89.0	91.6	93.0	92.6	92.9	93.0	92.2	90.5	89.1				
	125	78.6	85.1	88.8	90.7	90.8	90.3	89.5	88.9	86.7	85.0				
	160	74.3	81.0	84.9	85.8	85.7	86.0	85.9	85.3	82.4	81.3				
	200	75.1	81.6	84.6	86.5	86.9	87.2	86.9	85.2	83.6	81.9				
	250	73.4	79.7	83.9	86.6	86.5	87.1	86.5	85.4	82.7	81.1				
	315	69.3	77.5	81.5	84.0	84.4	84.5	83.9	83.3	80.2	77.7				
	400	68.8	76.3	82.9	85.9	86.1	85.2	83.6	82.8	79.1	77.4				
	500	66.0	74.7	81.0	84.5	85.5	84.4	83.1	82.0	78.7	76.3				
	630	65.7	74.7	80.9	85.4	85.8	85.3	83.8	81.5	78.6	76.0				
	800	68.8	76.2	81.7	85.7	86.9	85.9	84.2	82.9	79.3	76.1				
	1000	72.2	80.5	86.3	91.0	91.5	91.6	88.8	85.5	81.6	78.8				
	1250	73.7	82.4	88.0	91.5	92.6	92.1	88.9	85.1	82.2	78.8				
	1600	72.4	81.8	86.4	90.0	91.6	89.9	87.2	84.4	81.2	78.6				
	2000	74.7	84.1	88.9	92.1	93.4	92.7	90.4	87.4	83.0	81.0				
	2500	73.0	83.5	89.0	91.9	92.5	92.0	89.7	87.0	82.8	81.3				
	3150	70.7	83.7	89.2	91.8	93.5	93.3	92.0	89.6	84.9	83.1				
	4000	69.7	83.4	88.6	91.4	92.7	92.8	92.1	89.0	84.4	82.9				
	5000	67.9	81.7	86.7	89.6	90.7	91.2	90.7	86.9	82.9	82.2				
	6300	64.5	79.8	86.1	89.3	90.1	90.9	91.3	88.1	84.4	84.1				
	8000	61.9	77.8	85.2	88.4	89.6	90.2	90.5	88.2	83.6	84.1				
	10000	55.6	75.4	83.5	87.3	88.8	90.2	89.9	87.6	83.7	82.4				
OVERALL CALCULATED	90.6	97.2	101.1	103.6	104.3	104.3	103.3	101.1	98.2	96.6					
PNDdB	97.4	108.0	113.2	116.0	117.2	117.1	115.9	113.5	109.5	107.9					



Run 43/Reading 12

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 15.1

		FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. P, 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	
SIDELINE 500. FT.	50	68.4	75.7	79.1	80.4	79.3	78.9	77.5	76.7	75.3	75.4								
	63	71.9	78.9	79.8	80.9	82.4	82.2	80.6	78.0	75.9	74.7								
	80	73.1	77.5	79.8	80.9	81.6	82.9	82.9	81.3	79.6	77.4								
(152.40 M)	100	70.4	77.6	80.7	81.9	81.9	82.5	83.2	82.6	80.4	79.5								
NFA 2958. RPM	125	65.8	72.2	77.9	79.4	79.9	79.6	79.0	77.7	75.8	74.0								
( 310. RAD/SEC)	160	61.3	68.6	72.9	74.1	74.2	75.3	74.8	74.2	71.8	70.1								
NFK 2914. RPM	200	61.0	68.2	72.6	74.6	75.5	76.4	75.1	73.8	72.1	70.1								
( 305. RAD/SEC)	250	58.4	65.5	71.5	74.3	74.7	75.2	74.9	73.6	71.1	69.4								
NFD 3244. RPM	315	54.5	63.3	69.4	72.0	72.4	72.4	72.2	71.1	67.9	65.9								
( 340. RAD/SEC)	400	53.4	61.8	69.7	72.5	73.2	72.2	71.5	70.4	67.2	64.7								
AIRFLOW RATIO	500	51.0	60.4	68.1	72.4	72.6	72.0	70.8	69.0	66.2	64.4								
WF/WH 12.60	630	52.2	63.4	70.0	75.0	75.3	75.3	73.0	71.3	67.6	64.9								
	800	57.6	68.0	76.7	81.3	81.7	80.6	78.0	76.0	71.8	69.1								
VEHICLE UTMSIM	1000	55.6	66.6	74.2	79.1	79.7	78.3	75.7	72.7	68.9	66.5								
CONFIG A+3	1250	54.8	65.6	73.3	77.8	79.3	78.1	76.0	73.3	69.8	67.3								
LOC SCHENECTADY	1600	59.1	71.9	78.4	83.3	83.8	82.6	80.2	75.5	72.5	70.6								
DATE 7/22/75	2000	52.8	66.2	73.3	76.7	78.0	78.3	76.7	73.8	69.1	67.6								
RUN 43/12	2500	51.7	67.8	75.2	78.4	80.3	80.4	79.1	76.2	70.9	69.0								
TAPE	3150	49.9	66.3	73.4	77.6	78.4	78.9	78.8	74.8	70.1	68.2								
FAN TIP SPEED	4000	45.3	62.6	69.9	74.2	75.4	75.6	75.8	71.8	68.3	66.7								
917. FT/SEC	5000	42.0	61.2	69.4	74.0	75.2	76.1	76.3	73.6	69.8	68.3								
	6300	37.8	57.5	67.1	72.4	74.2	74.9	75.5	72.7	68.6	67.8								
	8000	27.4	53.3	63.7	69.6	71.6	73.3	73.8	71.1	67.1	65.0								
	10000	11.2	43.7	55.9	62.2	66.0	67.0	68.0	64.7	61.7	59.2								
OVERALL CALCULATED	78.1	84.6	89.1	91.8	92.4	92.3	91.5	89.5	86.9	85.4									
PND8	79.4	91.7	96.8	102.6	103.6	103.7	102.9	100.0	95.9	94.1									

SIDELINE 200. FT.	50	78.2	84.7	87.7	88.8	87.6	85.1	85.8	84.9	83.5	83.6							
	63	82.0	86.1	88.6	89.5	90.8	90.5	88.9	86.3	84.2	83.0							
	80	83.5	86.9	88.8	89.6	90.2	91.4	91.3	89.7	88.1	85.9							
( 60.96 M)	100	81.0	87.3	89.9	90.8	93.6	91.1	91.8	91.2	89.0	88.1							
	125	76.8	82.1	87.3	88.4	88.8	88.3	87.7	86.4	84.5	82.8							
	160	72.6	78.7	82.4	83.3	83.2	84.2	83.7	83.1	80.6	79.0							
	200	72.6	78.6	82.3	84.0	84.6	85.4	84.1	82.7	81.1	79.2							
	250	70.4	76.2	81.4	83.9	84.0	84.4	84.0	82.7	80.2	78.6							
	315	66.8	74.2	79.5	81.5	81.9	81.8	81.4	80.3	77.2	75.2							
	400	66.1	73.1	80.2	82.4	82.8	81.7	80.9	79.8	76.8	74.2							
	500	64.0	71.9	78.8	82.5	82.5	81.6	80.3	78.5	75.7	74.1							
	630	65.7	75.2	80.9	85.4	85.3	84.8	82.8	81.0	77.4	74.8							
	800	71.6	80.3	88.0	92.0	91.9	90.7	87.9	85.9	81.7	79.2							
	1000	70.2	79.2	85.7	90.0	90.2	88.5	85.8	82.8	79.1	76.7							
	1250	69.9	78.6	85.2	89.0	90.0	88.6	86.4	83.6	80.1	77.8							
	1600	75.0	85.5	90.7	94.8	94.8	93.4	90.8	88.1	83.2	81.5							
	2000	69.6	80.4	86.1	88.6	89.4	89.4	87.1	84.7	80.0	78.7							
	2500	69.3	82.6	88.5	90.7	92.1	91.9	90.3	87.4	82.2	80.4							
	3150	68.8	82.0	87.3	90.5	90.7	90.8	90.5	86.5	81.8	80.1							
	4000	66.2	79.7	84.9	87.9	83.5	88.2	88.2	84.1	80.7	79.3							
	5000	64.0	79.0	85.0	88.3	88.7	89.2	89.1	86.3	82.4	81.4							
	6300	63.1	77.6	84.5	88.2	89.0	89.2	89.4	86.6	82.5	82.1							
	8000	57.9	77.0	83.9	87.7	88.4	89.4	89.5	86.7	82.8	81.2							
	10000	48.9	72.3	79.8	83.5	85.7	85.7	86.2	82.8	79.9	78.0							
OVERALL CALCULATED	88.9	95.5	99.9	102.6	103.0	102.7	101.8	99.4	96.5	95.1								
PND8	95.3	106.3	111.8	114.8	115.3	115.1	114.4	111.2	107.4	105.8								

## Run 43/Reading 13

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 29 HR. 19.1

		MODEL SOUND PRESSURE LEVELS (99. DEG. F, 70 PERCENT REL. HUM, DAY)															
		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	
	50																
	63																
RADIAL 17. FT.	80																
( 5. M)	100	97.5	94.0	87.0	86.3	87.3	89.3	90.3	91.0	90.3	89.8						124.3
VEHICLE UTWSIM	125	98.0	95.5	94.8	94.5	93.5	94.3	94.5	93.3	92.3	93.5						137.8
CONFIG A+3	160	99.0	102.0	102.0	102.3	100.5	96.8	97.0	95.5	94.0	94.3						132.5
LOC SCHENECTADY	200	101.0	101.5	101.0	101.0	101.0	99.7	98.0	95.5	93.2	92.2						132.5
DATE 7/22/75	250	103.7	103.5	102.7	101.5	101.0	101.7	101.5	100.2	98.0	96.7						134.7
RLH 43/13	315	101.2	103.5	103.5	102.5	101.5	101.3	101.5	101.2	99.0	98.7						135.0
TAFE	400	97.3	98.5	100.7	100.7	99.0	98.0	96.5	95.5	94.2	93.0						131.4
FAR 29.7 HG	500	93.5	95.0	96.3	94.8	93.7	93.5	93.3	92.3	90.0	89.3						126.9
(100228. N/M <sup>2</sup> )	630	92.8	95.3	96.0	95.8	95.5	94.6	93.5	92.3	90.3	89.5						127.5
TAMB 75. DEG F	800	90.8	93.0	95.5	95.8	94.7	94.6	93.5	92.0	89.5	88.0						127.0
(297. DEG K)	1000	88.5	90.8	93.5	93.7	93.0	92.6	91.5	89.8	87.0	85.5						124.9
TNET 65. DEG F	1250	87.0	90.5	94.8	95.5	93.7	92.8	91.3	89.3	86.5	84.8						125.5
(291. DEG K)	1600	85.8	89.3	94.0	95.7	94.2	92.3	90.6	89.1	86.0	84.3						125.3
HACT 12.69 GH/M <sup>3</sup>	2000	85.5	90.3	94.0	96.7	95.2	93.4	91.1	88.4	86.0	84.1						125.9
(.01269 KG/M <sup>3</sup> )	2500	88.3	93.6	97.8	100.0	98.7	96.6	93.9	91.7	88.5	86.1						129.2
NFA 10032. RPM	3150	93.5	98.8	102.7	105.7	104.1	102.8	98.6	95.2	91.7	88.8						134.8
(1050. RAD/SEC)	4000	92.4	96.7	101.2	103.6	102.0	99.3	95.8	92.4	89.3	87.2						132.3
NFK 9881. RPM	5000	92.1	97.2	101.1	102.7	102.0	100.2	97.3	93.8	90.0	88.2						132.4
(1035. RAD/SEC)	6300	95.1	101.9	105.3	106.5	105.4	102.8	98.6	94.9	90.7	88.4						135.8
NFD 11517. RPM	8000	91.7	98.8	101.9	102.4	102.2	100.7	97.7	94.6	90.4	89.0						133.0
(1206. RAD/SEC)	10000	92.8	101.0	104.2	104.4	103.6	102.8	100.2	96.8	92.1	90.8						135.1
NO. OF BLADES 18	12500	93.2	101.5	103.6	104.4	103.4	102.1	100.0	97.0	91.8	90.9						135.0
FAN TIP SPEED	16000	90.8	99.5	101.5	102.1	101.4	99.9	98.6	94.3	90.3	90.2						133.3
276. FT/SEC	20000	89.7	98.7	102.1	102.3	101.7	100.9	100.3	96.3	92.9	92.4						134.5
	25000	90.5	98.7	101.9	102.3	102.2	101.4	100.0	97.5	93.1	93.5						135.4
	31500	88.0	99.0	101.9	102.5	101.6	101.4	100.2	97.1	93.0	92.2						136.2
	40000	82.2	96.5	98.8	98.8	98.9	97.9	97.9	93.5	90.4	89.1						134.5
	50000	76.8	91.9	94.1	93.9	94.9	93.5	93.8	88.7	86.8	84.4						131.9
	63000	75.5	85.1	85.6	86.5	87.6	86.4	86.1	81.3	80.7	78.0						127.2
	80000	80.8	83.2	82.2	82.8	82.8	82.4	83.1	80.3	82.4	80.6						128.6
OVERALL MEASURED																	
OVERALL CALCULATED		110.1	113.2	115.2	115.8	115.0	113.7	112.0	109.6	106.7	106.0						147.2
PNCB		119.0	123.3	126.2	127.7	126.5	125.1	122.1	119.4	116.3	114.5						

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. Fz 70 PERCENT REL. HUM. DAY)

PROC. DATE = MONTH 7 DAY 20 HR. 15.1

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)									
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.
SIDELINE 500. FT. (152.40 M)	50	69.2	76.5	79.1	81.1	80.6	77.6	78.3	76.9	75.3	75.1
NFA 2826. RPM ( 296. RAD/SEC)	80	72.8	77.2	79.7	80.9	80.4	79.1	76.7	74.4	72.9	
NFK 2783. RPM ( 291. RAD/SEC)	100	69.9	76.8	79.7	80.6	81.5	82.2	82.1	79.7	79.0	
NFD 3244. RPM ( 340. RAD/SEC)	125	65.3	71.5	76.7	78.6	78.2	76.1	77.0	76.2	74.8	
AIRFLOW RATIO MF/WM 12.60	160	61.0	67.6	71.9	72.4	72.7	73.3	73.6	72.7	70.3	
VEHICLE CONFIG	200	59.7	67.4	71.3	73.1	74.2	74.4	73.6	72.5	70.4	
LCC SCHEMECTADY	250	57.2	64.7	70.5	72.8	73.2	73.9	73.4	72.1	69.4	
DATE 7/22/75	315	54.3	62.1	68.1	70.5	71.2	71.7	71.2	69.6	66.7	
RUN: 43/13	400	52.1	61.3	69.0	72.0	71.7	71.7	70.7	69.6	65.9	
TAPE	500	50.2	59.6	67.9	71.9	71.9	71.0	69.8	68.5	65.2	
FAN TIP SPEED 876. FT/SEC	630	51.9	63.4	71.2	75.8	76.0	75.0	72.8	70.8	67.4	
OVERALL CALCULATED	800	56.3	68.0	75.7	81.1	81.2	80.9	77.3	74.0	70.3	
PNDdB	1000	54.4	65.3	73.7	78.6	78.7	77.0	74.2	70.9	67.7	
	1250	53.0	65.1	73.1	77.3	78.3	77.6	75.3	72.0	68.0	
	1600	55.9	68.9	76.6	80.5	81.3	79.6	76.2	72.7	68.3	
	2000	56.0	64.9	72.5	75.9	77.5	77.3	74.9	72.0	67.6	
	2500	50.1	64.9	74.2	77.4	78.6	78.9	77.1	73.9	68.9	
	3150	50.0	65.3	74.2	77.4	78.6	78.9	77.1	73.9	68.9	
	4000	48.4	65.6	72.7	76.6	77.7	77.7	76.3	73.6	68.1	
	5000	43.1	61.6	69.2	73.2	74.7	74.6	74.1	70.1	65.8	
	6300	40.5	60.0	69.2	73.0	74.7	74.4	74.0	71.9	68.1	
	8000	36.3	58.8	66.6	71.1	73.7	75.4	75.6	71.7	68.1	
	10000	26.1	52.1	63.0	68.4	70.6	72.3	72.0	69.4	67.1	
	OVERALL CALCULATED	9.7	42.7	54.9	60.7	64.5	65.7	67.0	62.9	59.4	
	PNDdB	77.6	64.0	68.2	90.8	91.4	91.2	90.2	88.5	85.8	
		77.5	90.6	97.9	101.4	102.4	102.4	101.1	98.4	94.1	
SIDELINE 200. FT. ( 60.96 M)	50	79.0	85.5	87.7	89.6	88.9	85.8	86.5	85.1	83.5	83.3
	80	80.7	84.8	86.6	88.2	89.3	88.8	87.4	85.1	82.7	81.3
	100	83.2	86.7	88.3	89.6	89.2	90.7	90.8	89.7	87.3	85.7
	125	80.5	86.5	88.9	89.5	89.6	90.1	90.8	89.7	87.3	85.7
	160	76.3	81.4	86.0	87.7	87.0	86.8	85.7	84.9	83.5	81.8
	200	72.3	77.7	81.4	81.5	81.7	82.2	82.4	81.6	79.1	78.0
	250	71.3	77.8	81.1	82.5	83.4	83.4	82.6	81.5	79.3	78.2
	315	69.1	75.4	80.4	82.4	82.5	83.4	82.5	81.2	78.5	76.6
	400	66.6	73.0	78.3	80.3	80.7	83.4	82.5	81.2	78.5	76.6
	500	64.8	72.6	79.4	81.9	80.7	81.0	80.4	78.8	75.9	74.0
	630	63.3	71.2	78.5	82.0	81.3	81.2	80.1	78.3	75.3	73.2
	800	65.5	75.2	82.1	86.1	86.1	84.8	82.5	80.5	74.7	72.6
	1000	70.3	80.3	87.0	91.7	91.4	90.9	87.2	83.9	77.1	74.3
	1250	68.9	78.0	85.2	89.5	89.2	87.3	84.3	81.0	80.2	76.9
	1600	68.2	78.1	84.9	88.5	89.0	86.1	85.6	82.4	78.4	75.2
	2000	71.8	82.5	88.9	92.1	92.3	90.4	88.8	83.3	78.9	78.2
	2500	67.5	79.1	85.3	87.9	88.9	88.4	85.9	82.9	78.5	76.7
	3150	67.3	81.1	87.5	89.7	90.3	90.4	88.3	85.1	80.2	78.4
	4000	63.9	81.3	86.6	89.5	89.9	89.6	88.0	85.2	79.8	78.4
	5000	62.5	78.7	84.2	86.9	87.7	87.2	86.5	82.4	78.2	77.5
	6300	61.6	76.9	84.8	87.3	88.1	88.4	88.4	84.6	80.9	79.9
	8000	56.7	75.7	84.0	86.9	88.5	88.7	87.9	85.6	81.0	80.8
	10000	47.4	71.3	83.1	86.5	87.4	88.4	87.8	85.0	80.6	79.2
OVERALL CALCULATED	88.3	94.7	99.1	101.6	101.9	101.5	100.3	98.2	95.2	93.9	
PNDdB	93.5	105.4	111.0	113.8	114.3	113.9	112.5	109.8	105.6	104.2	

CALCULATED VALUE IS FOR ROOM QUALITY

## Run 43/Reading 14

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 29 HR. 15.2																	
		MODEL SOUND PRESSURE LEVELS (99. DEG. F., 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIANs)																	
		FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	
		50																	
		63																	
RADIAL	17. FT.	80																	
	( 5. MI	100	95.8	91.3	85.8	85.5	86.8	88.5	90.3	90.8	89.8	89.3							123.3
VEHICLE	UTMSIM	125	96.8	94.5	94.0	93.8	93.0	94.0	94.3	92.8	92.3	93.1							127.3
CONFIG	A+3	160	97.3	100.0	101.5	101.3	98.8	98.5	97.3	95.5	94.5	94.8							131.7
LOC	SCHENECTADY	200	99.5	99.7	99.5	100.0	100.0	99.5	97.2	94.7	92.3	91.3							131.9
DATE	7/22/75	250	103.0	102.0	101.2	100.2	100.0	100.7	100.5	99.5	97.3	95.0							133.6
RUN	43/14	315	100.7	102.7	102.7	101.7	100.7	100.5	101.2	100.5	98.5	98.6							134.4
TAPE		400	96.8	97.3	99.0	99.5	98.5	97.0	96.0	95.0	93.3	92.3							130.4
BAR	29.7 HG	500	92.3	93.8	94.8	93.5	92.5	92.5	93.3	91.3	89.3	88.3							125.9
	(00228. H/M2)	630	91.8	94.0	94.5	94.8	94.5	94.3	93.0	91.3	89.5	88.0							126.6
TAMB	74. DEG F	800	90.5	92.0	94.5	94.8	94.5	93.6	92.5	91.3	88.5	87.3							128.1
	(296. DEG K)	1000	86.8	89.5	93.2	93.0	91.7	91.1	90.5	88.8	86.0	84.1							123.9
T-ET	65. DEG F	1250	86.0	89.0	94.0	94.5	93.2	91.6	90.3	88.6	85.8	83.6							124.6
	(291. DEG K)	1600	84.3	88.8	93.0	94.7	93.7	91.8	89.8	87.9	85.0	83.4							124.5
HACT	12.98 GM/M3	2000	84.8	89.3	93.0	96.5	94.5	92.1	90.1	87.9	85.5	83.1							125.2
	(01298 KG/M3)	2500	89.7	84.3	98.8	100.7	98.7	97.1	94.6	91.2	88.2	85.6							129.7
NFA	9677. RPM	3150	93.0	98.1	102.5	104.7	102.4	101.6	98.6	94.9	91.0	87.9							133.6
	(1013. RAD/SEC)	4000	90.6	96.5	100.4	102.6	101.3	98.5	94.6	91.4	88.4	86.3							131.5
NFK	9540. RPM	5000	91.3	97.2	101.1	103.2	102.0	100.4	97.5	93.6	90.3	87.2							132.6
	( 999. RAD/SEC)	6300	95.1	100.1	104.3	105.7	103.9	101.9	98.1	93.7	90.2	86.5							134.6
NFD	11517. RPM	8000	91.6	98.0	101.6	102.4	101.4	100.2	97.2	93.8	89.9	86.1							132.5
	(1206. RAD/SEC)	10000	91.8	99.7	103.2	104.3	103.1	101.5	98.9	95.3	91.4	89.8							134.3
NO. OF BLADES	18	12500	92.4	100.3	103.1	103.4	102.4	101.3	99.5	95.5	90.9	89.4							134.2
FAN TIP SPEED		16000	90.5	98.5	100.7	101.3	99.8	98.6	97.6	93.5	89.6	89.0							132.3
	845. FT/SEC	20000	69.2	97.7	101.1	102.0	100.2	99.6	99.0	95.3	91.9	91.4							133.5
		25000	89.4	97.7	101.1	101.5	100.9	100.4	99.2	96.4	92.1	91.5							134.4
		31500	87.5	98.1	100.6	101.4	100.3	99.9	99.1	96.1	91.9	90.7							134.5
		40000	81.1	94.9	97.4	97.9	97.5	97.0	96.8	92.1	89.0	87.3							133.3
		50000	75.7	90.7	92.2	92.7	93.3	91.6	92.4	87.1	85.0	82.1							130.3
		63000	75.5	83.6	84.8	84.5	86.4	84.5	85.1	79.4	77.3	73.6							125.6
		80000	80.6	82.9	81.9	82.3	82.5	82.2	82.9	80.0	72.6	71.1							127.4
OVERALL MEASURED																			
OVERALL CALCULATED			109.1	112.0	114.3	115.2	113.9	112.8	111.4	108.8	106.1	105.2							146.3
PNDR			118.1	122.1	125.5	127.0	125.3	124.2	121.8	118.9	115.7	113.7							

Run 43/Reading 14

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE - MONTH 7 DAY 29 HR. 15.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P. 70 PERCENT SPL. NUM. DATA)											
ANGLES FROM INLET IN DEGREES (AND RADIANS)											
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )
											(0. )
											(0. )
											(0. )
SIDELINE 500. FT.	50	67.4	74.5	78.6	80.1	78.8	77.4	78.5	76.9	75.8	75.7
(152.40 M)	63	69.2	73.9	76.3	78.6	79.9	80.2	78.4	76.0	73.4	72.0
NFA 2726. RPM	80	72.1	75.7	77.8	78.6	79.6	81.2	81.4	80.5	78.2	76.2
( 285. RAD/SEC)	100	69.4	76.1	79.0	79.9	80.1	80.7	82.0	81.4	79.2	78.8
NFK 2687. RPM	125	64.8	70.2	74.9	77.4	77.7	77.1	76.5	75.7	73.8	72.3
( 281. RAD/SEC)	160	59.8	66.3	70.4	71.1	71.4	72.3	73.6	71.7	69.6	68.1
NFD 3244. RPM	200	58.7	66.2	69.8	72.1	73.2	73.9	73.1	71.5	69.6	68.4
( 340. RAD/SEC)	250	56.9	63.7	69.5	71.8	73.0	72.9	72.4	71.3	68.4	66.7
AIRFLOW RATIO	315	52.5	60.8	67.9	69.8	69.9	70.2	70.2	68.6	65.7	63.2
WF/WM 12.60	400	51.1	59.8	68.2	71.0	71.2	70.5	69.7	68.2	65.2	62.5
	500	48.7	59.1	66.9	70.9	71.4	70.5	69.0	67.2	64.2	62.0
	630	53.4	64.1	72.2	76.5	76.0	75.5	73.5	70.3	67.2	64.0
	800	55.8	67.3	75.5	80.1	79.4	79.6	77.3	73.8	69.6	65.9
VEHICLE UTHSIN	1000	52.6	65.1	72.9	77.6	78.0	76.3	72.9	69.9	66.7	64.0
CONFIG A+3	1250	52.3	65.1	73.1	77.8	78.3	77.8	75.5	71.8	68.3	64.6
LCC SCHENECTADY	1600	54.9	67.1	75.6	79.8	79.7	78.8	75.7	71.5	67.8	65.5
DATE 7/22/75	2000	50.1	64.1	72.3	75.9	76.8	76.8	74.4	71.3	67.1	64.6
RUN 43/14	2500	49.0	65.1	73.2	77.4	78.1	77.7	75.8	72.4	68.2	66.0
TAPE	3150	47.6	64.3	72.1	75.6	76.7	76.9	75.8	72.1	67.1	65.0
FAN TIP SPEED	4000	42.8	60.6	68.4	72.4	73.2	73.3	73.1	69.3	65.1	63.7
845. FT/SEC	5000	40.0	58.9	68.2	72.7	73.2	74.1	74.3	70.8	67.1	65.9
	6300	35.2	55.7	65.8	70.3	72.4	73.4	73.2	70.7	66.1	64.6
	8000	25.6	51.2	61.7	67.3	69.2	70.7	71.0	68.3	63.8	61.5
	10000	8.8	41.1	53.5	59.9	63.1	64.9	65.8	61.6	58.1	55.1
OVERALL CALCULATED		76.6	82.7	87.3	90.1	90.4	90.4	89.7	87.8	85.2	83.9
PNDH		76.6	89.4	97.0	100.8	101.5	101.5	100.4	97.3	93.3	91.2

SIDELINE 200. FT.	50	77.2	83.5	87.2	88.6	87.1	85.6	86.8	85.1	84.0	83.9
( 60.96 M)	63	79.2	83.1	85.1	87.2	88.3	88.5	86.7	84.3	81.7	80.3
	80	82.5	85.2	86.8	87.3	88.2	89.7	89.8	89.0	86.6	84.7
	100	80.0	85.8	88.1	88.3	88.9	89.4	90.5	89.9	87.8	87.4
	125	75.8	80.1	84.3	86.4	86.5	85.8	85.2	84.4	82.5	81.1
	160	71.1	76.5	79.9	80.3	80.5	81.2	82.4	80.6	78.4	77.0
	200	70.3	76.6	79.6	81.5	82.4	82.9	82.1	80.5	78.6	77.5
	250	65.9	74.4	79.4	81.4	82.3	82.1	81.5	80.4	77.5	75.9
	315	64.8	71.7	78.0	79.5	79.4	79.5	79.4	77.8	74.9	72.5
	400	63.8	71.1	78.7	80.9	80.8	80.0	79.1	77.6	74.6	72.0
	500	61.8	70.7	77.5	81.0	81.2	80.1	78.6	76.8	73.8	71.8
	630	67.0	76.0	83.1	86.9	86.1	85.3	83.3	80.0	76.9	73.8
	800	69.8	79.5	86.7	90.7	89.7	89.7	87.2	83.7	79.5	76.0
	1000	67.1	77.7	84.5	88.5	88.5	86.5	83.0	80.0	76.9	74.3
	1250	67.4	78.1	84.9	89.0	89.0	88.3	85.9	82.1	78.7	75.1
	1600	70.7	80.8	87.9	91.3	90.8	89.6	86.3	82.1	78.4	76.3
	2000	66.8	78.4	85.1	87.8	88.2	87.9	85.4	82.2	78.1	75.8
	2500	66.5	79.3	86.5	89.7	89.8	89.1	87.1	83.6	79.5	77.4
	3150	66.5	80.0	86.1	88.5	88.9	88.8	87.5	83.7	78.9	76.9
	4000	63.6	77.7	83.4	86.2	86.7	86.0	85.5	81.6	77.5	76.3
	5000	62.0	76.8	83.7	87.0	86.7	87.1	87.1	83.5	79.9	78.9
	6300	60.6	75.8	83.2	86.1	87.2	87.7	87.1	84.5	80.0	78.9
	8000	56.1	74.9	81.8	85.4	86.1	86.9	86.7	83.9	79.6	77.7
	10000	46.3	69.7	77.5	81.2	82.8	83.6	84.1	79.7	76.4	73.9
OVERALL CALCULATED		87.4	93.5	98.2	100.9	100.9	100.7	99.7	97.4	94.6	93.2
PNDH		92.7	104.2	110.3	113.1	113.3	113.1	111.9	108.7	104.8	103.1





FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEC. P. 79 PERCENT DEL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	0.	10.	20.	30.	40.	50.
SIDELINE 500. FT. (152.40 M)	50	67.2	74.2	78.4	79.9	78.3	78.1	78.5	77.4	76.8	75.9						
	63	68.2	72.1	75.3	77.4	78.9	78.7	77.4	75.0	72.8	71.5						
	80	71.3	75.7	77.3	78.1	78.9	80.9	80.9	80.0	78.4	75.7						
NFA 2626. RPM ( 275. RAD/SEC)	100	68.4	75.3	77.7	78.9	78.6	80.0	80.5	80.8	78.0	77.3						
	125	62.6	69.0	74.2	76.4	76.2	76.1	75.3	74.7	72.8	71.1						
NFK 2591. RPM ( 271. RAD/SEC)	160	58.8	65.6	69.4	70.6	70.4	71.1	71.3	70.7	68.3	67.1						
	200	58.2	65.2	69.3	71.6	71.7	72.2	71.6	70.5	68.6	67.2						
	250	54.7	62.5	67.7	70.8	71.2	71.9	71.4	69.6	67.4	65.4						
NFD 3244. RPM ( 340. RAD/SEC)	315	51.8	60.1	66.6	69.3	69.2	68.9	68.4	67.1	64.7	62.2						
	400	49.6	59.8	67.7	70.2	69.9	69.2	68.0	67.2	63.7	61.7						
AIRFLOW RATIO WF/WP 12.6C	500	48.7	58.1	66.4	70.6	70.4	69.0	67.8	66.2	63.2	61.0						
	630	47.2	58.6	66.7	71.5	70.6	69.7	68.0	66.3	62.9	60.2						
	800	52.8	65.2	73.5	77.3	76.4	76.1	74.0	71.5	67.6	63.7						
VEHICLE UTMSIM CONFIG A+3	1000	52.9	65.4	73.7	78.1	77.5	76.8	74.7	70.7	67.8	63.6						
	1250	53.6	63.9	72.1	76.6	76.6	74.4	71.9	68.3	65.1	62.1						
LOC SCHENECTADY DATE 7/22/75	1600	50.7	64.7	72.3	76.7	78.0	77.3	73.5	69.8	66.1	64.1						
	2000	50.4	64.9	72.3	76.4	76.4	75.8	71.9	68.7	65.3	63.9						
RUN 43/15	2500	47.7	63.0	71.3	75.0	76.0	75.5	73.2	70.3	65.4	63.6						
TAPE	3150	45.8	63.8	71.6	75.1	76.7	76.1	73.8	71.4	66.2	63.9						
FAN TIP SPEED 814. FT/SEC	4000	42.5	61.3	69.9	73.4	74.6	74.7	73.2	69.7	64.2	62.5						
	5000	39.4	58.5	66.6	70.5	71.4	71.6	71.4	67.4	62.6	61.2						
	6300	33.1	54.8	64.1	68.4	70.2	71.5	71.6	68.1	63.9	62.5						
	8000	25.8	49.3	60.4	65.9	68.2	68.7	69.1	66.4	61.5	60.4						
	10000	12.3	42.0	54.4	61.1	63.7	66.0	66.0	62.6	58.8	55.6						
OVERALL CALCULATED PNDR		75.7	81.9	86.3	89.0	89.1	89.2	88.3	86.9	84.5	83.0						
		75.0	88.6	96.0	99.6	100.5	100.3	98.5	96.0	91.9	89.8						

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. ( 60.96 M)	50	77.0	83.2	87.0	88.3	86.6	86.3	86.8	85.6	84.8	84.2						
	63	78.2	81.3	84.1	86.0	87.3	87.0	85.7	83.3	81.0	79.8						
	80	81.7	85.2	86.3	86.8	87.4	89.4	89.3	88.5	86.9	84.2						
	100	79.0	85.0	86.9	87.8	87.4	88.6	89.0	89.2	86.6	85.9						
	125	73.6	78.9	83.5	85.4	85.0	84.8	84.0	83.4	81.5	79.8						
	160	70.1	75.7	78.9	79.5	79.5	80.0	80.2	79.6	77.2	76.0						
	200	69.8	75.6	79.1	81.0	80.9	81.2	80.6	79.5	77.6	76.2						
	250	66.6	73.2	77.7	80.4	80.5	81.1	80.5	78.7	76.5	74.6						
	315	64.1	71.0	76.8	79.0	78.7	78.3	77.7	76.3	73.9	71.5						
	400	62.3	71.1	78.2	80.1	79.6	78.7	77.4	76.6	73.1	71.2						
	500	61.8	69.7	77.0	80.8	80.2	78.6	77.3	75.8	72.8	70.6						
	630	60.7	70.5	77.6	81.9	80.6	79.5	77.8	76.0	72.7	70.1						
	800	66.8	77.5	84.7	88.0	86.7	86.2	83.9	81.4	77.5	73.7						
	1000	67.4	78.0	85.3	89.0	88.0	87.0	84.8	80.8	77.9	73.8						
	1250	65.7	76.9	84.0	87.8	87.3	84.9	81.9	78.6	75.5	72.6						
	1600	66.6	78.3	84.7	88.2	89.0	88.1	84.2	80.4	76.7	74.9						
	2000	67.2	79.1	85.1	88.3	87.9	86.9	82.9	79.6	76.2	75.0						
	2500	65.3	77.7	84.5	87.3	87.7	86.9	84.4	81.5	78.6	75.0						
	3150	64.6	79.5	85.5	88.0	89.0	88.0	85.5	83.0	77.9	75.9						
	4000	63.4	78.3	84.8	87.1	87.6	87.3	85.5	82.0	78.6	75.2						
	5000	61.3	76.4	82.2	84.8	84.7	84.7	84.2	80.1	75.4	74.3						
	6300	58.5	74.9	81.5	84.2	85.0	85.8	85.5	82.0	77.9	76.8						
	8000	56.3	72.9	80.6	84.0	85.0	84.9	84.9	82.1	77.3	76.5						
	10000	50.0	70.5	78.4	82.1	83.4	84.8	84.2	80.7	77.1	74.4						
OVERALL CALCULATED PNDR		86.4	92.7	97.2	99.7	99.7	99.5	98.2	96.4	93.7	92.2						
		91.2	103.4	109.4	112.1	112.5	111.9	110.1	107.5	103.3	101.5						



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99. DEG. F., 70 PERCENT REL. HUM. DAY)												
FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)											
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.09)	(2.26)
SIDELINE 500. FT. (152.40 M)	50	66.2	73.5	76.9	78.4	77.3	77.6	78.5	77.7	76.6	76.9	
	63	65.7	70.4	73.1	75.6	77.1	77.2	75.9	73.7	71.4	70.0	
	80	69.6	73.5	75.5	76.6	77.6	79.2	79.9	79.0	77.2	75.2	
NFA 2464. RPM ( 258. RAD/SEC)	100	67.6	73.8	76.0	76.9	77.6	78.7	79.7	78.6	77.0	77.0	
	125	60.8	67.7	72.2	73.9	74.2	74.6	73.3	72.9	71.3	69.8	
NFK 2433. RPM ( 255. RAD/SEC)	160	56.0	63.3	67.1	68.1	68.2	69.3	69.3	68.2	66.6	64.9	
	200	56.0	63.2	66.8	69.4	69.7	70.4	69.1	67.8	66.1	64.9	
NFD 3244. RPM ( 340. RAD/SEC)	250	52.4	61.0	66.2	69.1	69.2	69.2	69.2	67.6	64.7	63.2	
	315	49.3	58.8	65.1	67.5	67.4	66.9	66.4	65.4	62.4	59.9	
AIRFLOW RATIO WF/WB 12.6C	400	48.1	58.1	66.2	69.0	68.7	68.0	66.7	65.2	62.0	59.7	
	500	45.7	57.6	65.6	69.6	69.1	68.0	66.5	64.2	61.5	59.0	
	630	45.5	58.1	65.7	70.5	70.1	68.4	66.8	65.0	61.4	59.2	
	800	52.8	66.0	74.2	77.1	78.4	78.1	73.2	69.7	65.4	62.6	
VEHICLE UTMSIM	1000	49.9	63.4	71.5	76.6	75.5	73.5	70.9	67.9	64.5	61.1	
CONFIG A*3	1250	49.3	62.9	69.9	75.4	74.6	72.6	69.5	66.8	63.3	60.9	
LOC SCHENECTADY	1600	53.0	66.9	74.3	78.4	78.0	76.6	73.3	70.1	66.1	63.6	
DATE 7/2/85	2000	47.7	61.9	69.8	74.1	73.7	72.3	69.7	66.5	62.0	60.7	
RUN 43888	2500	47.0	62.7	70.5	74.3	75.7	74.3	71.4	68.0	63.4	61.9	
TAPE	3150	45.0	62.3	70.6	73.9	74.9	74.4	72.0	68.6	63.5	62.0	
FAN TIP SPEED 764. FT/SEC	4000	41.6	60.1	67.9	71.6	73.1	72.4	70.9	67.2	62.0	59.8	
	5000	37.4	57.6	64.1	69.0	69.9	69.6	69.4	65.1	61.2	59.0	
	6300	31.6	53.9	62.9	67.5	69.4	70.0	70.3	66.4	61.9	59.8	
	8000	24.1	48.6	58.7	64.7	66.9	67.8	67.9	64.7	59.3	57.7	
	10000	10.8	40.8	52.8	59.7	62.0	63.8	63.8	60.2	55.6	52.9	
OVERALL CALCULATED		74.1	80.6	84.9	87.7	88.0	87.7	87.1	85.5	83.4	82.5	
PNR		73.9	87.3	94.8	98.4	99.1	98.5	96.8	93.8	89.7	87.9	

SIDELINE 200. FT. ( 60.96 M)	50	76.0	82.5	85.5	86.8	85.6	85.8	86.8	85.9	84.8	85.2	
	63	75.7	79.6	81.9	84.2	85.5	85.5	84.2	82.1	79.7	78.3	
	80	80.0	82.9	84.5	85.3	86.2	87.7	88.3	87.5	85.6	83.7	
	100	78.3	83.5	85.1	85.8	86.4	87.4	88.3	87.2	85.6	85.7	
	125	71.8	77.6	81.5	82.9	83.0	83.3	82.0	81.6	80.0	78.6	
	160	67.3	73.5	76.7	77.3	77.2	78.2	78.2	77.1	75.4	73.8	
	200	67.6	73.6	76.6	78.7	78.9	79.4	78.1	76.7	75.1	74.0	
	250	64.4	71.7	76.2	78.6	78.5	78.4	78.3	76.7	73.8	72.4	
	315	61.6	69.7	75.3	77.3	76.9	76.3	75.7	74.6	71.7	69.3	
	400	60.8	69.3	76.7	78.9	78.3	77.5	76.1	74.6	71.4	69.2	
	500	58.8	69.2	76.3	79.8	79.0	77.6	76.1	73.8	71.0	68.6	
	630	59.0	70.0	76.6	80.9	80.1	78.3	76.5	74.7	71.2	69.1	
	800	66.8	78.2	85.5	87.7	86.7	86.2	83.2	79.6	75.3	72.7	
	1000	64.4	76.0	83.0	87.5	86.0	83.8	81.1	78.0	74.6	71.3	
	1250	64.5	75.9	81.7	86.5	85.3	83.1	79.9	77.1	73.7	71.4	
	1600	68.9	80.5	86.7	90.0	89.0	87.4	83.9	80.7	76.7	74.4	
	2000	64.4	76.1	82.6	86.1	85.1	83.4	80.6	77.4	73.0	71.8	
	2500	64.5	77.5	83.8	86.6	87.5	85.7	82.7	79.2	74.6	73.3	
	3150	63.9	78.0	84.5	86.8	87.2	86.3	83.7	80.3	75.2	73.9	
	4000	62.4	77.1	82.9	85.4	86.2	85.1	83.3	79.5	74.4	72.4	
	5000	59.4	75.4	79.7	83.3	83.4	82.7	82.2	77.8	73.9	72.0	
	6300	57.0	74.0	80.3	83.3	84.3	84.3	84.3	80.3	75.9	74.1	
	8000	54.5	72.2	78.8	82.8	83.8	83.9	83.7	80.3	75.1	73.6	
	10000	49.5	69.3	76.7	81.0	81.7	82.6	82.0	78.3	73.9	71.7	
OVERALL CALCULATED		84.9	91.5	96.0	92.6	92.6	97.9	96.9	94.8	92.4	91.5	
PNR		89.9	102.2	108.2	110.9	111.1	110.2	108.4	105.3	101.1	99.5	



## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 159. DEG. P. 70 PERCENT DEL. MM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.	0.	
SIDELINE 500. FT.	50	61.4	62.9	62.0	73.2	72.1	73.1	74.1	73.0	71.8	72.2								
(159.40 M)	63	60.9	64.5	68.2	70.9	73.4	74.4	73.4	70.8	68.4	67.5								
NFA 1970. RPM	80	65.4	69.3	69.3	70.7	72.4	75.0	78.1	74.8	73.2	71.0								
( 206. RAD/SEC)	100	62.1	68.7	69.6	69.7	69.4	71.8	72.7	72.7	70.5	70.5								
NFK 1945. RPM	125	54.6	60.9	65.3	66.9	66.9	66.8	65.5	65.5	63.8	62.6								
( 234. RAD/SEC)	160	50.3	57.2	59.4	60.6	60.7	61.9	61.8	61.3	59.3	57.4								
NFD 3244. RPM	200	49.0	57.5	60.6	62.1	62.2	61.9	61.1	59.6	57.6	56.2								
( 340. RAD/SEC)	250	47.2	57.1	61.8	63.1	63.2	63.2	61.7	60.1	56.9	54.9								
AIRFLOW RATIO	315	43.8	55.9	61.2	62.8	62.4	62.0	60.5	58.9	55.2	52.9								
WF/W 12.60	400	44.4	56.2	62.8	64.5	63.9	62.8	61.5	59.7	56.0	53.2								
VEHICLE UTMSIM	500	43.0	55.3	63.0	65.2	64.4	62.8	61.0	58.8	56.0	53.0								
CONFIG A+3	630	53.0	63.0	69.5	71.8	70.6	68.2	66.5	63.3	59.2	56.7								
LCC SCHENECTADY	800	49.1	62.1	68.3	70.6	69.2	66.9	65.0	62.0	58.9	55.6								
DATE 7/22/75	1000	46.7	59.7	65.6	68.9	67.5	65.1	62.4	59.7	56.8	54.1								
RUN 43/17	1250	53.9	66.5	74.2	77.7	74.6	72.2	69.0	65.9	62.8	62.4								
TAPE	1600	47.3	61.5	67.9	72.0	70.0	67.1	63.5	60.9	57.6	56.4								
FAN TIP SPEED	2000	44.7	59.0	65.9	70.2	69.4	68.1	65.7	61.5	57.5	56.4								
610. FT/SEC	2500	43.8	59.1	65.1	68.6	68.5	67.1	63.7	60.3	56.1	54.6								
OVERALL CALCULATED	3150	41.1	58.2	64.9	68.2	68.7	67.4	64.5	60.7	55.5	54.5								
PNDR	4000	37.1	55.7	62.7	65.7	66.9	65.7	63.7	59.5	54.0	52.5								
	5000	34.2	54.2	60.2	64.3	65.7	65.7	65.2	60.7	55.2	53.5								
	6300	31.4	52.5	61.2	66.0	67.7	68.6	67.8	63.0	57.7	55.1								
	8000	22.6	45.7	56.3	61.3	63.5	64.0	63.2	59.0	52.6	51.2								
	10000	7.4	36.9	48.3	54.2	57.0	58.4	57.3	53.5	47.4	44.4								
	OVERALL CALCULATED	89.5	76.3	80.7	83.4	82.7	82.6	82.1	80.4	78.3	77.4								
	PNDR	70.8	83.7	90.3	93.5	93.4	92.5	90.8	87.2	82.9	81.3								

ORIGINAL PAGE IS  
OF POOR QUALITY

SIDELINE 200. FT.	50	71.2	76.9	80.6	81.6	80.4	81.4	82.3	81.2	80.0	80.4							
( 60.96 M)	63	71.0	73.7	77.0	79.5	81.8	82.8	81.7	79.1	76.7	75.8							
	80	75.8	78.8	78.3	79.4	81.0	83.5	84.6	83.3	81.6	79.5							
	100	72.8	78.4	78.7	78.6	78.1	80.4	81.3	81.2	79.1	79.2							
	125	65.6	70.8	74.6	76.0	75.8	75.6	74.2	74.2	72.5	71.3							
	160	61.6	67.4	69.0	69.9	69.7	70.8	70.7	70.1	68.2	66.3							
	200	60.6	68.0	70.4	71.5	71.4	71.0	70.1	68.5	66.6	65.2							
	250	59.1	67.8	71.8	72.7	72.5	72.4	70.8	69.2	66.0	64.1							
	315	56.1	66.9	71.4	72.6	71.9	71.3	69.7	68.1	64.4	62.3							
	400	57.1	67.5	73.2	74.4	73.6	72.2	70.9	69.1	65.4	62.7							
	500	56.1	66.8	73.8	75.3	74.2	72.4	70.6	68.3	65.5	62.6							
	630	63.5	74.8	80.5	82.2	80.6	78.1	76.3	73.0	68.9	66.6							
	800	63.1	74.4	79.5	81.3	79.5	77.0	74.9	71.9	68.8	65.7							
	1000	61.2	72.4	77.1	79.8	78.0	75.3	72.6	69.8	66.9	64.3							
	1250	69.0	79.6	86.1	88.8	85.3	82.7	79.4	76.2	73.2	72.9							
	1600	63.2	75.2	80.2	83.5	81.1	77.9	74.2	71.5	68.2	67.2							
	2000	61.5	73.2	78.7	82.1	80.9	79.2	76.6	72.4	69.5	67.6							
	2500	61.3	73.9	78.3	80.9	80.2	78.5	74.9	71.5	67.4	66.1							
	3150	59.9	73.9	78.8	81.1	81.0	79.3	76.3	72.3	67.2	66.4							
	4000	58.0	72.7	77.7	78.4	79.9	78.4	76.1	71.8	66.4	65.2							
	5000	56.9	72.0	75.8	78.6	79.2	78.7	77.9	73.4	68.4	66.5							
	6300	56.8	72.6	78.6	81.8	82.5	82.9	81.8	76.8	71.6	69.3							
	8000	53.2	69.3	76.4	79.1	80.3	80.2	78.9	74.6	68.3	67.3							
	10000	45.1	65.5	72.3	75.5	76.7	77.1	75.5	71.6	65.8	63.2							
	OVERALL CALCULATED	80.5	67.7	92.1	94.4	93.4	92.8	91.8	89.6	87.2	86.3							
	PNDR	86.4	98.6	103.6	105.9	105.5	104.8	103.2	99.4	95.1	93.3							



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (89. DEG. F., 70 PERCENT REL. HUM., DAY)												
	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)
SIDELINE 500. FT. (152.40 M)	50	61.4	67.1	71.5	72.9	71.6	72.1	72.8	72.0	71.8	71.4	
	63	58.4	63.3	66.7	70.2	73.1	74.2	72.4	69.8	68.1	66.5	
NFA 1083. RPM ( 208. RAD/SEC)	125	52.9	60.1	63.8	65.9	65.4	65.3	63.8	64.0	63.1	60.8	
	160	49.1	56.7	59.2	59.9	60.4	60.1	59.6	58.5	57.3	55.1	
NFK 1951. RPM ( 204. RAD/SEC)	200	50.0	58.1	61.1	62.9	62.7	61.7	60.1	58.6	56.6	54.7	
	250	47.0	56.4	63.3	65.1	64.7	63.5	61.7	59.9	57.2	54.4	
NFD 3244. RPM ( 340. RAD/SEC)	315	44.6	57.4	62.7	64.6	64.2	62.2	60.2	57.9	55.7	52.4	
	400	44.9	56.7	62.6	64.0	63.9	62.0	60.0	58.7	55.2	52.2	
AIRFLOW RATIO WF/WB 12.60	500	44.0	55.3	62.2	63.7	63.1	60.8	58.3	56.8	54.0	51.2	
	630	48.7	60.5	69.0	68.6	67.3	65.0	61.8	59.1	56.7	54.0	
	800	49.4	61.6	68.1	67.9	66.7	64.7	61.5	59.5	56.6	53.4	
	1000	47.7	59.2	65.6	60.9	64.3	62.6	59.7	56.7	54.8	52.1	
VEHICLE UTMSLH CONFIG B+2	1250	52.4	64.7	70.9	70.4	71.1	70.7	69.0	64.1	62.3	60.9	
LOC SCHENECTADY	1600	47.3	60.3	66.4	71.0	68.2	64.9	61.8	58.9	56.8	54.6	
DATE 7/22/75	2000	44.7	56.0	64.2	60.7	67.2	63.9	60.2	57.8	55.5	53.4	
RUN 44/4	2500	44.2	58.6	64.0	68.1	67.7	64.8	61.2	58.3	54.6	52.6	
TAPE	3150	41.8	58.2	64.4	67.1	67.7	65.1	61.5	58.2	53.9	53.2	
FAN TIP SPEED 615. FT/SEC	4000	38.1	55.2	61.4	64.6	65.6	63.4	59.9	55.9	51.7	49.8	
	5000	33.0	51.9	57.9	62.0	62.1	60.4	58.3	52.0	49.1	47.2	
	6300	26.3	40.4	54.4	58.4	59.3	58.2	56.5	51.9	47.3	44.7	
	8000	17.0	38.8	48.4	53.6	55.6	54.8	53.0	48.9	43.9	41.8	
	10000	3.4	30.9	41.9	48.0	50.0	50.4	49.6	45.7	40.9	37.7	
OVERALL CALCULATED PNDB		68.5	75.3	79.5	82.1	81.1	80.9	80.2	78.9	77.8	76.1	
		69.5	82.9	88.9	91.9	91.5	89.6	86.9	83.9	80.7	78.9	

	50	71.2	76.1	80.1	81.3	79.9	80.4	81.0	80.2	80.0	79.7	
	63	68.5	72.5	75.5	74.7	81.6	82.6	80.7	78.1	76.5	74.6	
SIDELINE 200. FT. ( 60.96 M)	80	74.5	76.8	76.8	78.1	80.0	82.0	82.9	82.0	81.1	78.0	
	100	72.1	77.9	78.0	78.1	77.6	78.7	79.8	80.2	78.8	77.4	
	125	63.9	70.0	73.1	75.0	74.3	74.1	72.5	72.7	71.8	69.6	
	160	60.4	66.9	68.7	69.1	69.5	69.0	66.4	67.4	66.2	64.0	
	200	61.8	68.5	70.9	72.3	71.9	70.7	69.1	67.5	65.6	63.7	
	250	58.9	69.1	73.3	74.7	74.0	72.7	70.8	69.0	66.3	63.6	
	315	56.9	68.4	72.9	74.3	73.7	71.6	69.5	67.1	64.9	61.8	
	400	57.6	68.0	73.0	73.9	73.6	71.5	69.4	68.1	64.6	61.7	
	500	57.1	68.8	72.9	73.6	73.0	70.4	67.9	66.3	63.5	60.9	
	630	62.2	72.4	80.0	78.9	77.4	74.8	71.5	68.8	66.4	63.8	
	800	63.4	73.9	79.3	78.5	77.0	74.7	71.4	69.4	66.5	63.9	
	1000	62.2	71.9	77.1	77.8	74.8	72.8	69.8	66.8	64.9	62.3	
	1250	67.5	77.8	82.8	87.6	81.8	81.2	79.4	74.4	72.7	71.4	
	1600	63.2	73.9	78.7	82.5	79.3	75.7	72.5	69.5	67.5	65.4	
	2000	61.5	73.0	77.0	80.6	78.6	75.0	71.1	68.7	66.5	64.9	
	2500	61.8	73.4	77.8	80.4	79.5	76.2	72.4	69.5	65.9	64.0	
	3150	65.7	73.8	78.3	80.0	79.9	77.0	73.2	69.8	65.6	65.1	
	4000	58.9	72.2	76.4	78.4	78.6	76.1	72.3	68.3	64.1	62.4	
	5000	55.6	69.7	73.5	76.3	75.6	73.4	71.1	65.6	61.9	60.2	
	6300	51.7	66.5	71.8	74.2	74.2	72.5	70.5	65.7	61.3	59.0	
	8000	47.5	62.4	68.5	71.7	72.4	70.8	68.8	64.5	59.7	57.9	
	10000	41.1	58.5	65.8	69.3	69.7	69.2	67.8	63.8	59.2	56.4	
OVERALL CALCULATED PNDB		79.8	88.8	90.8	92.8	91.3	90.4	89.3	87.7	85.5	84.7	
		80.1	97.7	102.2	104.2	103.8	101.2	98.3	95.3	92.1	90.8	



## Run 44/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 11 MR. 1964																	
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(0.	(0.	
		50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
		93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
RADIAL 17. FT.		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
( 5. M)		100	92.3	86.3	83.0	84.3	86.3	88.0	88.8	89.5	89.0	88.1							121.7
VEHICLE UTHSIM		120	95.5	93.5	94.8	94.0	93.5	94.5	94.5	93.8	93.8	93.8							127.7
CONFIG B+2		160	96.5	99.8	101.3	101.0	98.0	98.8	98.8	98.0	97.8	97.8							132.3
LOC SCHENECTADY		200	95.2	94.5	94.7	95.5	95.7	95.5	94.0	91.2	90.0	88.0							127.4
RATE 7/22/75		250	100.5	99.0	98.0	97.0	97.0	98.0	98.0	97.0	96.3	93.8							131.0
RUN 44/5		315	98.5	99.5	98.7	98.0	97.0	97.3	97.5	96.7	95.3	94.0							130.0
TAPE		400	93.5	93.3	95.0	95.0	94.2	92.8	90.8	90.0	89.0	87.0							125.9
BAR 29.7 HG		500	88.0	90.0	90.8	89.5	88.5	87.3	88.8	85.5	83.8	82.0							121.2
(00295. N/M2)		630	88.0	90.0	91.3	91.0	90.2	88.6	86.5	85.5	83.8	81.0							121.9
TAMB 77. DEG F		800	86.3	89.0	91.3	92.3	91.0	89.3	87.8	85.5	83.8	81.1							122.3
(298. DEG K)		1000	83.5	88.0	90.7	91.7	90.7	88.6	86.5	84.5	82.3	79.0							121.6
THET 69. DEG F		1250	83.5	87.8	92.8	93.5	91.2	88.8	86.6	84.8	81.8	78.0							122.5
(293. DEG K)		1600	82.3	86.8	92.5	93.5	90.7	88.1	85.6	83.1	81.0	78.0							122.1
MACT 14.59 GM/M3		2000	82.8	87.8	91.3	93.2	90.5	88.1	84.9	82.7	80.3	78.1							121.7
(0.01459 KG/M3)		2500	90.5	95.3	96.8	100.2	97.2	94.9	90.4	87.4	85.3	81.4							128.6
NFA 8787. RPM		3150	90.0	94.8	97.7	99.9	98.1	93.1	89.4	86.4	84.5	81.4							127.8
( 920. RAD/SEC)		4000	89.9	94.7	97.4	94.6	98.0	92.8	88.6	85.6	83.9	81.5							127.5
NFR 8638. RPM		5000	93.6	99.7	101.6	103.5	101.2	98.7	94.0	91.1	87.8	85.5							132.2
( 904. RAD/SEC)		6300	93.4	95.6	97.8	99.5	97.9	93.4	89.8	86.4	84.2	82.5							128.3
NFD 11517. RPM		8000	90.8	98.7	98.6	99.9	98.4	96.8	91.9	88.1	84.2	83.1							129.3
(1206. RAD/SEC)		10000	90.3	98.2	100.2	100.8	99.6	96.7	92.9	89.3	85.4	84.3							136.5
NO. OF BLADES 18		12500	89.9	97.0	98.5	99.3	98.6	96.0	93.0	89.0	84.8	83.1							129.8
FAN TIP SPEED		16000	88.2	95.9	96.7	97.0	96.0	94.1	91.8	88.5	83.0	81.4							127.8
767. FT/SEC		20000	86.1	93.8	95.7	96.5	95.6	93.6	91.9	87.0	83.5	81.3							127.7
		25000	86.0	92.0	94.9	95.6	94.8	92.7	90.3	87.1	82.8	81.4							127.8
		31500	82.3	91.5	93.1	93.7	93.4	91.7	90.2	88.1	82.5	80.3							127.1
		40000	76.1	87.9	90.2	90.5	90.0	88.5	87.8	82.9	80.0	77.8							125.3
		50000	72.8	84.7	85.6	85.7	86.9	85.0	84.8	79.3	77.6	73.5							123.5
		63000	74.1	79.7	79.5	74.6	81.3	80.6	79.7	75.2	71.4	68.2							120.9
		80000	80.1	82.4	81.4	82.1	82.5	81.9	82.4	79.5	72.4	69.9							127.8
OVERALL MEASURED																			
OVERALL CALCULATED			106.7	109.4	111.0	111.9	110.2	108.5	108.8	105.0	103.7	102.7							142.9
PNDB			116.5	121.0	123.1	124.5	122.3	120.1	116.7	114.3	111.9	110.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F, 70 PERCENT REL. HUM, DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0	0	0
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0	0	0	0	0	0	0	0
	50	66.7	74.2	78.4	79.9	78.1	79.6	80.0	79.4	78.8	78.7								
	63	64.9	66.6	71.6	74.1	75.6	76.2	75.1	72.5	71.1	69.2								
SIDELINE 500. FT.	80	69.6	72.7	74.5	75.4	76.6	78.4	78.9	78.0	77.2	74.2								
(152.40 M)	100	67.1	72.8	75.0	76.1	76.4	77.5	78.2	77.6	76.0	74.0								
NFA 2475. RPM	125	59.6	66.2	70.9	72.9	73.4	72.8	71.3	70.7	69.6	67.6								
( 259. RAD/SEC)	160	55.5	62.6	66.4	67.1	67.4	67.1	67.1	66.0	64.1	62.4								
NFK 2433. RPM	200	55.0	62.2	66.0	66.4	69.0	68.2	66.6	65.8	63.9	61.4								
( 255. RAD/SEC)	250	52.7	60.7	66.2	69.3	69.5	68.7	67.7	65.6	63.7	60.4								
NFD 3244. RPM	315	49.3	59.3	65.4	68.5	68.9	67.7	66.2	64.4	61.9	58.7								
( 340. RAD/SEC)	400	48.6	58.6	67.0	70.0	69.2	67.7	66.0	64.4	61.2	58.5								
AIRFLOW RATIO	500	46.7	57.1	66.4	69.6	68.4	66.7	64.8	62.5	60.2	57.2								
AF/HR 12.60	630	46.5	57.6	64.7	69.0	67.8	66.5	63.8	61.8	59.2	56.5								
	800	53.3	64.5	71.7	75.6	74.2	72.9	69.0	66.2	63.9	59.4								
VEHICLE UTASIM	1000	51.9	63.1	70.2	74.9	72.8	70.8	67.7	64.9	62.6	58.1								
CONFIC 4+2	1250	50.4	62.0	69.4	74.1	72.3	70.1	66.5	63.8	61.8	58.9								
LUC SCHENECTADY	1600	53.2	66.7	72.8	77.4	77.0	75.6	71.5	68.8	65.3	62.4								
DATE 7/22/75	2000	46.7	61.6	66.8	72.9	73.2	69.8	66.9	63.7	61.3	58.9								
RUN 44/5	2500	47.7	61.9	68.5	72.8	73.2	72.0	68.7	65.0	60.9	59.1								
TAPE	3150	45.3	62.0	69.0	72.9	73.7	72.1	69.0	65.6	61.4	59.7								
FAN TIP SPEED	4000	41.8	58.8	65.9	70.1	71.6	70.4	68.1	64.4	60.0	57.5								
767. FT/SEC	5000	38.6	56.6	63.3	67.2	68.6	68.1	66.6	61.6	57.9	55.4								
	6300	31.3	51.3	59.8	64.6	66.4	66.0	65.3	60.6	56.9	53.7								
	8000	23.2	44.2	55.1	60.6	62.8	62.6	61.3	58.4	53.7	51.4								
	10000	8.4	36.3	47.8	54.3	57.6	58.2	57.9	54.3	50.2	46.7								
OVERALL CALCULATED		74.0	80.0	84.3	87.0	86.7	86.8	85.9	84.6	83.4	82.0								
PND8		74.2	86.7	93.4	97.2	97.6	96.4	94.0	91.1	87.8	85.4								

ORIGINAL PAGE IS OF POOR QUALITY

	50	76.5	83.2	87.0	88.3	86.4	87.8	88.3	87.6	87.0	86.9								
	63	75.0	77.8	80.4	82.7	84.0	84.5	83.4	80.8	79.5	77.6								
SIDELINE 200. FT.	80	80.0	82.2	83.5	84.1	85.2	86.9	87.3	86.5	85.6	82.7								
( 60.96 M)	100	77.6	82.5	84.1	85.0	85.1	86.1	86.8	86.2	84.6	83.4								
	125	70.6	76.1	80.3	81.9	82.3	81.6	80.0	79.4	78.3	76.4								
	160	66.8	72.7	75.9	76.3	76.5	76.0	75.9	74.8	72.9	71.3								
	200	66.6	72.6	76.3	77.7	78.1	77.2	75.6	74.7	72.9	70.5								
	250	64.6	71.4	76.2	76.9	78.8	77.9	76.8	74.7	72.8	69.6								
	315	61.0	70.2	75.5	78.3	78.4	77.0	75.4	73.6	71.2	68.0								
	400	61.3	69.8	77.4	79.9	78.8	77.2	75.4	73.8	70.6	68.0								
	500	59.8	66.7	77.0	79.8	78.2	76.4	74.3	72.0	69.8	66.9								
	630	60.0	69.5	75.6	79.4	77.8	76.3	73.5	71.5	68.9	66.3								
	800	67.3	76.7	83.0	85.2	84.4	82.9	78.9	76.1	73.8	69.5								
	1000	66.5	75.7	81.8	85.8	83.3	81.1	77.8	75.0	72.9	69.3								
	1250	66.0	75.7	81.2	85.3	83.1	80.6	76.9	74.1	72.2	69.4								
	1600	69.1	80.3	85.2	89.0	88.1	86.4	82.2	79.4	76.0	73.4								
	2000	65.4	75.9	81.1	84.8	84.6	80.9	77.9	74.6	72.2	70.1								
	2500	65.2	76.7	81.8	85.1	85.0	83.4	79.9	76.2	72.1	70.5								
	3150	64.1	77.7	83.0	85.8	85.9	84.0	80.7	77.3	73.1	71.0								
	4000	62.7	75.8	80.8	83.9	84.6	83.0	80.5	76.7	72.4	70.1								
	5000	60.6	74.6	78.9	81.5	82.1	81.1	79.4	74.3	70.6	68.5								
	6300	56.7	71.4	77.2	80.4	81.2	80.2	79.2	74.4	70.6	68.0								
	8000	53.8	67.8	75.2	78.7	79.7	78.8	77.1	74.0	69.5	67.5								
	10000	46.1	64.9	71.8	75.6	77.3	76.9	76.1	72.3	68.5	65.5								
OVERALL CALCULATED		84.8	90.8	94.9	97.5	97.0	96.3	95.1	93.6	92.1	90.7								
PND8		90.2	101.5	106.7	109.6	109.6	108.0	105.5	102.4	99.1	97.0								



## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.
50	68.7	75.7	79.4	80.9	79.3	79.4	79.5	78.7	78.6	77.2				
63	66.7	71.1	73.1	75.9	77.4	76.9	75.6	73.9	72.1	70.0				
SIDE LINE 500. FT. (152.40 M)	80	70.3	74.2	75.8	76.9	77.9	79.7	80.1	78.8	76.2				
NFA 2045. RPM ( 277. RAD/SEC)	100	67.9	74.6	76.7	77.9	77.9	79.0	79.0	78.4	77.2				
NFK 2595. RPM ( 272. RAD/SEC)	125	61.8	68.2	72.4	75.1	75.2	74.6	73.0	72.7	71.1				
NFD 3244. RPM ( 340. RAD/SEC)	160	57.8	64.6	68.1	69.4	69.2	69.3	68.8	67.5	66.6				
AIRFLOW RATIO	200	57.0	63.9	68.1	69.6	70.7	70.2	68.6	67.3	65.9				
NF/RM 12:60	250	54.7	62.7	68.2	70.6	71.2	70.9	69.4	67.6	65.7				
800	315	51.6	60.8	67.4	69.8	70.2	69.2	67.7	66.1	63.2				
1000	400	50.6	60.1	67.7	71.0	70.7	69.0	67.2	65.7	63.5				
VEHICLE UTMSH CONFIG B=2	500	48.2	58.6	66.9	70.1	70.4	68.0	66.0	64.2	62.0				
LOC SCHEM CTADY	630	54.0	65.1	71.5	75.8	74.3	72.5	69.3	67.0	64.4				
DATE 7/22/75	800	54.6	66.0	72.7	77.3	76.2	73.6	70.8	68.0	65.1				
RUN 44/0	1000	54.4	65.1	71.4	76.6	75.2	73.0	69.7	66.4	64.0				
TAPE	1250	53.5	65.3	72.1	76.3	77.3	73.8	70.5	67.3	64.8				
FAN TIP SPEED 820. FT/SEC	1600	53.1	65.6	72.1	76.5	77.0	73.8	70.4	67.7	64.3				
6300	2000	50.1	64.1	71.0	74.9	75.5	74.3	70.9	67.8	63.9				
8000	2500	49.7	65.3	72.0	75.4	77.1	75.7	72.3	69.2	65.0				
10000	3150	47.6	64.1	70.4	73.3	75.4	74.6	72.0	68.0	63.9				
OVERALL CALCULATED	4000	42.8	59.9	66.1	70.1	71.9	71.1	70.1	65.0	61.6				
PNUS	5000	39.5	57.4	65.1	69.2	71.1	70.8	69.3	65.6	62.1				
	6300	33.7	52.4	61.5	66.0	68.6	68.1	67.1	63.9	60.0				
	8000	22.5	46.7	56.6	62.2	64.9	64.9	64.4	61.2	58.0				
	10000	6.0	37.3	48.4	54.5	58.3	59.3	59.6	55.5	53.3				
		75.3	81.6	85.7	88.5	88.6	88.0	87.0	85.4	84.2				
		75.7	85.6	95.2	98.7	99.8	98.7	96.7	93.3	90.1				
	50	78.5	84.7	88.0	89.3	87.6	87.6	88.0	86.9	85.4				
	63	76.7	80.3	81.9	84.5	85.8	85.3	83.9	81.8	80.5				
SIDE LINE 200. FT. ( 60.96 M)	80	80.7	83.7	84.8	85.6	86.4	88.2	88.6	87.2	86.6				
	100	78.5	84.3	85.9	85.8	86.6	87.6	87.5	86.9	85.8				
	125	72.8	78.1	81.8	84.2	84.0	83.3	81.7	81.4	79.8				
	160	69.1	74.7	77.7	76.6	78.2	78.2	77.7	76.3	75.4				
	200	68.6	74.3	77.6	79.0	79.9	79.2	77.6	76.2	74.9				
	250	66.6	73.4	78.2	80.1	80.5	80.1	78.5	76.7	74.8				
	315	64.1	71.8	77.5	79.5	79.7	78.5	76.9	75.3	72.4				
	400	63.3	71.3	78.2	80.9	80.3	78.5	76.6	75.1	72.9				
	500	61.3	70.2	77.5	80.3	80.2	77.6	75.6	73.8	71.5				
	630	67.5	77.0	82.4	86.1	84.3	82.3	79.0	76.7	74.2				
	800	68.6	78.3	84.0	88.0	86.4	83.7	80.7	77.9	75.0				
	1000	68.9	77.7	83.0	87.5	85.7	83.3	79.8	76.5	74.1				
	1250	68.7	76.4	83.9	87.5	86.0	84.3	80.9	77.8	75.2				
	1600	69.0	79.3	84.4	88.1	86.1	84.7	81.1	77.3	74.9				
	2000	66.8	76.4	83.8	86.9	86.9	85.4	81.9	78.7	74.8				
	2500	67.3	80.1	85.2	87.7	86.8	87.1	83.6	80.3	76.2				
	3150	66.5	78.7	84.3	86.2	87.7	86.5	84.3	79.7	75.6				
	4000	63.6	76.3	81.1	83.9	84.9	83.7	82.4	77.3	74.0				
	5000	61.5	75.1	80.7	83.5	84.7	83.9	82.1	78.3	74.9				
	6300	59.0	72.5	78.9	81.8	83.4	82.4	81.1	77.6	74.0				
	8000	53.0	70.3	76.7	80.3	81.8	81.1	80.2	76.9	73.6				
	10000	43.8	65.9	72.4	75.9	78.0	78.1	78.0	73.6	71.0				
OVERALL CALCULATED		86.1	92.0	96.4	99.0	99.0	97.9	96.5	94.5	93.1				
PNUS		92.1	103.5	108.3	110.9	111.6	110.2	108.1	104.6	101.4				

Run 44/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 DR. 19.8

MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM., DAY)																		
ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	PdL
(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	( )
50																		
63																		
80																		
RADIAL 17. FT.	100	95.0	91.0	84.0	85.0	87.0	88.3	89.5	90.0	89.8	88.8							122.8
( 5. M)																		
VEHICLE UTMSH	125	96.5	95.0	94.5	94.8	93.8	94.5	94.8	93.3	92.5	92.8							127.7
CONFIC B+2	160	98.5	102.3	102.0	103.0	100.3	97.8	97.3	98.0	95.8	95.3							132.6
LCC SCHENECTADY	200	98.3	98.0	98.2	98.7	98.7	97.7	95.7	93.2	91.8	90.8							130.2
DATE 7/22/75	250	102.2	100.7	99.7	99.2	99.2	100.0	99.2	98.5	97.5	95.3							132.7
RUN 44/7	315	100.5	102.2	101.5	100.5	99.5	99.5	99.5	99.2	98.0	98.4							133.3
TAPE	400	95.0	96.3	97.7	97.5	97.0	95.5	93.8	93.3	92.3	90.3							128.8
BAR 29.7 MG	500	92.0	92.3	93.0	92.5	91.5	90.3	89.5	88.8	87.5	85.8							124.1
(00245, N/M2)	630	91.3	92.8	93.3	93.8	92.7	91.8	89.8	88.5	86.8	85.8							124.7
TANB 79. DEG F	800	89.5	91.3	94.0	94.5	93.2	92.1	90.5	88.3	86.5	85.1							124.8
(299. DEG K)	1000	87.0	90.0	93.2	94.0	93.2	90.6	88.8	87.3	84.8	82.8							124.8
TNET 69. DEG F	1250	86.0	90.0	94.5	95.0	93.5	91.3	89.1	87.1	85.0	82.3							124.9
(294. DEG K)	1600	84.8	89.3	93.3	95.3	93.2	90.6	87.6	86.1	84.3	81.4							124.1
MACT 14.86 GM/M3	2000	84.8	89.8	92.3	95.0	93.0	90.1	87.1	85.2	83.3	81.1							123.7
(.01486 KG/M3)	2500	91.0	95.3	97.0	99.5	96.2	93.4	90.1	87.9	85.5	82.8							127.7
NFA 9725. RPM	3150	93.7	98.8	100.5	103.2	100.1	96.8	93.8	91.7	88.7	84.9							131.3
(1010. RAD/SEC)	4000	93.4	98.0	100.2	101.8	99.5	96.0	92.3	88.9	87.4	84.5							130.4
NFK 9543. RPM	5000	93.1	97.7	100.1	102.0	103.7	97.4	93.5	90.3	87.5	85.5							131.8
( 999. RAD/SEC)	6300	96.1	101.1	102.3	104.5	103.2	99.1	94.8	91.2	88.2	87.7							133.6
NFD 11517. RPM	8000	92.9	98.7	100.8	101.4	100.1	98.2	94.4	91.8	87.9	86.1							131.3
(1206. RAD/SEC)	10000	93.8	101.4	102.7	102.8	102.1	100.0	96.7	93.1	89.4	88.1							133.3
NO. OF BLADES 18	12500	93.8	100.7	101.8	102.3	101.8	99.3	97.0	93.2	89.1	87.4							133.9
FAN TIP SPEED	16000	91.5	96.9	99.2	100.7	99.3	97.3	96.0	90.7	87.3	85.9							131.3
849. FT/SEC	20000	89.9	97.4	98.5	99.5	98.3	97.1	95.7	91.5	87.8	86.8							131.0
	25000	88.6	95.5	98.8	98.6	98.1	96.2	94.9	91.8	87.3	86.9							130.9
	31500	86.3	94.5	96.7	97.2	96.6	95.5	94.2	90.4	87.0	85.3							130.7
	40000	79.9	91.9	93.2	93.7	93.8	92.8	92.0	87.1	85.3	83.1							129.2
	50000	75.1	88.2	88.9	88.9	90.2	88.3	86.6	83.0	81.7	78.5							128.9
	63000	74.4	82.0	81.7	81.9	83.8	83.1	82.2	76.8	74.7	71.0							123.3
	80000	80.2	82.5	81.5	82.1	82.8	82.0	82.4	79.8	72.5	69.9							127.1
OVERALL MEASURED																		
OVERALL CALCULATED		109.0	112.0	113.0	114.0	112.7	110.7	108.9	106.8	105.1	103.7							144.7
PNLs		118.8	122.7	124.1	125.9	124.1	121.3	118.4	116.4	114.1	111.9							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM, DAY)

FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
SIDE LINE 500. FT. (152.40 M)	50	68.7	76.7	79.1	81.9	80.3	78.6	78.5	77.4	77.1	76.2
NFA 2739. RPM (287. RAD/SEC)	63	67.7	72.1	75.1	77.4	76.6	76.4	76.9	74.5	72.9	71.2
NFK 2688. RPM (281. RAD/SEC)	80	71.3	74.5	76.3	77.6	78.9	80.4	80.1	79.5	78.4	79.7
NFD 3244. RPM (340. RAD/SEC)	100	69.1	75.6	77.7	78.6	78.9	76.7	80.2	80.1	78.7	77.0
AIRFLOW RATIO NF/PM 12.60	125	63.1	69.2	73.7	75.4	76.2	75.6	74.3	73.9	72.8	70.3
VEHICLE CONFIG UTMSM 8x2	150	59.5	64.8	68.6	70.1	70.4	70.1	69.8	69.2	67.8	65.4
LOC SCHEDULE DATE 7/22/75	200	58.2	64.9	68.6	71.1	71.5	71.4	69.9	68.8	66.9	65.2
RUN 44/7	250	55.9	63.0	69.0	71.6	71.7	71.4	70.4	68.3	66.4	64.4
TAPE	315	52.8	61.3	67.9	70.8	71.4	69.7	68.4	67.1	64.4	61.7
FAN TIP SPEED 649. FT/SEC	400	51.1	60.9	68.7	72.5	71.4	70.2	68.5	66.7	64.5	61.2
OVERALL CALCULATED	500	49.2	59.6	67.1	71.4	70.9	69.2	66.5	65.5	63.5	60.0
PND	630	54.7	65.1	70.5	75.3	73.5	71.7	69.1	67.0	64.4	61.0
	800	55.6	67.8	73.5	78.6	77.2	74.9	72.3	70.5	67.3	62.9
	1000	55.4	66.6	72.7	76.8	76.2	73.8	70.7	67.4	65.7	62.3
	1250	54.0	65.6	72.1	76.6	77.0	74.8	71.5	68.5	65.5	62.9
	1500	55.9	68.1	73.0	78.5	79.0	76.1	72.4	69.0	66.8	64.7
	2000	51.3	64.9	71.3	74.9	75.5	74.8	71.6	69.0	65.1	62.6
	2500	51.0	66.8	72.7	75.9	77.0	76.2	73.5	70.1	66.2	64.2
	3150	48.9	64.8	70.9	74.6	76.1	74.9	73.3	69.6	65.4	63.0
	4000	43.7	61.1	66.9	71.8	72.6	72.0	71.5	66.5	62.8	60.0
	5000	40.7	58.0	65.6	70.2	71.3	71.5	71.0	67.0	63.1	61.0
	6300	35.4	53.6	62.7	67.5	69.5	69.3	68.8	65.8	61.2	60.0
	8000	24.4	47.6	57.7	63.1	65.6	66.3	66.0	62.6	58.9	56.1
	10000	7.4	38.1	49.3	55.6	59.4	60.6	61.1	56.6	54.4	50.9
	OVERALL CALCULATED	76.2	82.7	86.3	89.3	89.4	88.7	87.8	86.2	84.7	82.7
	PND	77.2	80.0	85.9	89.5	100.3	99.4	97.6	94.7	91.3	88.6

SIDE LINE 200. FT. (60.96 M)	50	78.5	85.7	87.7	90.3	88.6	86.8	86.8	85.6	85.3	84.4
	63	77.7	81.3	83.9	86.0	87.0	86.8	86.4	85.2	82.8	79.8
	80	81.7	83.9	85.3	86.3	87.4	88.9	88.0	88.0	86.9	84.2
	100	79.8	85.3	86.9	87.5	87.6	88.4	88.8	88.7	87.3	85.7
	125	74.1	79.1	83.0	84.4	85.0	84.3	83.0	82.6	81.5	79.1
	150	70.8	75.0	78.2	79.3	79.5	79.0	78.7	78.1	76.7	74.3
	200	69.6	75.3	78.3	80.5	80.6	80.4	78.9	77.7	75.9	74.2
	250	67.9	73.7	78.9	81.1	81.0	80.6	79.5	77.4	75.5	73.0
	315	65.1	72.3	78.0	80.5	80.9	79.0	77.7	76.3	73.7	71.0
	400	63.6	72.1	79.2	82.4	81.1	79.7	77.9	76.1	73.9	70.7
	500	62.3	71.2	77.8	81.5	80.7	78.9	76.3	75.0	73.0	69.7
	630	68.2	77.0	81.4	85.6	83.6	81.6	78.8	76.7	74.2	70.8
	800	70.6	80.0	84.7	89.2	87.4	84.9	82.2	80.4	77.3	73.0
	1000	69.9	78.2	84.2	87.7	86.7	84.0	80.8	77.5	75.9	72.0
	1250	69.2	78.6	83.9	87.7	87.8	85.3	81.9	78.9	75.9	73.4
	1500	71.7	81.8	85.9	90.1	90.1	86.9	83.1	79.6	77.4	75.5
	2000	68.0	79.1	84.0	86.8	86.9	85.9	82.6	79.9	76.1	73.7
	2500	68.5	81.0	85.9	88.2	88.8	87.6	84.8	81.3	77.5	75.7
	3150	67.7	80.5	84.8	87.5	88.4	86.8	85.0	81.4	77.1	74.9
	4000	64.6	78.1	81.8	85.6	85.7	84.7	83.9	78.8	75.2	73.3
	5000	62.7	76.4	81.2	84.4	84.6	84.6	83.6	79.7	75.9	74.1
	6300	60.7	73.7	80.1	83.3	84.3	83.5	82.8	79.7	75.2	74.2
	8000	54.9	71.2	77.9	81.2	82.4	81.8	79.2	74.6	72.5	69.7
	10000	45.1	66.7	73.2	79.9	79.1	79.4	79.4	74.7	72.6	69.7
	OVERALL CALCULATED	87.1	93.5	97.0	99.8	99.7	98.6	97.3	95.5	93.7	91.7
	PND	93.4	104.4	106.9	111.8	112.2	110.9	109.1	106.0	102.7	100.4



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																					
		20.		30.		40.		50.		60.		70.		80.		90.		100.		110.			
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.31)	(3.49)	(3.66)		
SIDE LINE 500. FT. (152.40 M)	50	69.4	70.0	80.0	82.6	81.8	77.9	78.3	77.2	70.0	70.4	63	68.9	74.1	76.6	78.6	80.1	79.4	77.9	75.5	73.9	72.0	
NFA 2841. RPM (298. RAD/SEC)	100	69.4	70.3	78.7	79.9	80.4	81.0	81.2	80.9	79.2	78.3	125	64.1	70.5	75.2	77.1	77.7	71.1	75.0	75.2	74.1	71.9	
NFA 2783. RPM (291. RAD/SEC)	200	59.0	65.9	70.1	72.4	72.5	72.4	71.4	70.0	68.4	66.2	315	53.5	61.6	69.1	71.0	71.7	70.7	69.2	67.9	65.7	62.7	
NFA 3244. RPM (340. RAD/SEC)	400	52.1	61.0	66.8	72.0	72.2	71.2	69.2	67.9	65.2	62.5	500	49.5	60.4	67.6	71.9	72.1	70.0	67.6	66.2	64.5	61.2	
AIRFLOW RATIO AF/AM 12.60	630	53.7	64.1	70.2	74.5	73.3	71.7	68.8	67.0	64.7	61.0	800	57.9	66.8	74.5	78.6	78.2	75.4	72.0	69.3	67.1	63.2	
VEHICLE CONFIG UT-51H B-2	1000	50.4	67.3	73.4	77.6	78.0	75.0	72.4	68.4	66.2	63.3	1250	55.1	66.3	72.6	77.3	77.5	74.8	72.0	69.0	66.5	63.4	
LOC SCHENECTADY	1600	57.9	69.1	75.4	79.8	79.3	77.4	73.7	70.7	68.3	65.7	2000	52.3	65.4	72.0	75.7	76.8	75.5	72.9	70.0	68.4	65.9	
DATE 7/22/75	2500	52.2	67.3	73.7	76.9	78.6	77.7	75.1	71.7	67.7	64.8	RUN 44/P	3150	49.0	65.8	71.9	76.1	76.7	76.4	74.6	71.1	67.1	64.2
TAPE	4000	45.0	62.1	68.6	72.6	73.9	73.3	72.0	68.3	64.8	61.9	FAN TIP SPEED	5000	41.5	59.9	67.4	71.7	72.9	73.1	72.3	68.8	65.9	62.9
883. FT/SEC	6300	36.4	55.4	63.8	69.0	70.6	70.6	69.9	66.9	63.0	60.3	8000	25.3	48.7	59.6	65.0	66.9	68.2	67.2	64.7	61.0	58.0	
OVERALL CALCULATED	10000	8.1	39.3	51.0	57.1	60.6	61.6	62.0	58.5	56.3	52.1	PNUM	76.7	63.8	67.5	90.2	90.5	89.5	88.5	87.0	85.3	83.5	
													76.5	90.8	97.0	100.6	101.5	100.6	98.8	95.9	92.8	90.0	

ORIGINAL PAGE IS OF POOR QUALITY

	50	79.2	87.0	89.2	91.1	90.1	86.1	86.5	85.4	84.8	84.7
	63	79.0	83.3	85.4	87.2	88.5	87.8	86.2	83.8	82.2	80.3
SIDE LINE 200. FT. (63.06 M)	80	81.7	85.2	86.8	87.1	87.9	88.9	89.8	88.7	87.4	84.5
	100	80.0	80.0	87.9	88.8	89.1	89.6	89.8	89.4	87.8	86.9
	125	75.1	80.4	84.5	86.2	86.5	85.8	84.5	83.9	82.8	80.4
	160	71.1	76.2	79.4	80.8	80.7	80.7	80.2	79.3	77.9	75.3
	200	70.6	76.3	79.8	81.7	81.6	81.4	80.4	79.0	77.4	75.2
	250	69.1	74.7	79.2	81.9	82.0	81.1	80.3	78.4	76.5	74.1
	315	65.8	72.5	79.3	80.8	81.2	80.0	78.4	77.1	74.9	72.0
	400	64.8	72.8	79.2	81.9	81.8	80.7	78.6	77.3	74.6	72.0
	500	62.5	71.9	78.3	82.0	82.0	79.6	77.3	75.8	74.0	70.9
	630	67.2	76.0	81.1	84.9	83.3	81.6	78.5	76.7	74.4	70.6
	800	71.8	81.0	85.7	89.2	88.4	85.4	81.9	79.2	77.0	73.2
	1000	70.9	80.0	85.0	88.5	88.5	85.3	82.6	78.5	76.4	73.0
	1250	70.2	79.4	84.5	88.5	88.3	85.3	82.4	79.4	76.9	73.9
	1600	73.8	82.8	87.7	91.3	90.3	88.2	84.3	81.3	79.0	76.5
	2000	69.1	79.8	84.8	87.6	88.2	86.6	83.8	80.9	77.3	75.0
	2500	69.8	82.1	87.0	89.2	90.3	89.1	86.3	82.8	79.0	76.2
	3150	68.5	81.5	85.8	89.0	88.9	86.3	80.3	82.7	78.9	76.2
	4000	65.9	79.1	83.8	86.4	87.0	85.9	84.9	80.6	77.2	74.0
	5000	63.5	77.7	83.0	86.0	86.4	86.1	85.1	81.5	78.7	75.0
	6300	61.8	75.5	81.2	84.8	85.4	84.9	83.8	80.8	77.0	75.0
	8000	55.8	72.3	79.7	83.1	83.8	84.3	82.8	80.4	76.8	74.1
	10000	45.8	67.9	74.9	78.4	80.3	80.3	80.3	76.8	74.6	70.9
OVERALL CALCULATED	PNUM	67.7	94.6	98.2	100.7	100.8	99.6	96.3	96.3	94.4	92.5
		94.4	105.4	110.1	113.0	113.2	112.1	110.2	107.2	104.2	101.0



## Run 44/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 28 NR. 18.0																	
		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM., DAY)																	
		ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.	
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.	0.)	
		50	93	88	83	78	73	68	63	58	53	48	43	38	33	28	23	18	
RADIAL 17. FT.		100	97.8	94.0	88.3	85.8	82.5	89.8	92.5	91.5	91.3	89.8							124.7
VEHICLE UTMSIM		125	98.3	96.0	94.3	94.3	93.5	94.5	94.5	93.5	93.3	93.3							128.0
CONFIG B-2		160	99.8	102.3	102.5	102.8	101.0	97.0	96.3	96.0	95.3	94.8							132.9
LOC SCHEMECTADY		200	101.0	100.0	101.7	102.0	102.2	100.5	96.0	95.7	94.2	93.0							133.1
DATE 7/22/75		250	103.0	102.0	101.7	101.7	101.5	102.0	101.5	100.0	98.7	96.2							134.5
RUN 44/10		315	101.5	103.0	103.5	103.0	102.2	102.0	102.5	101.5	99.5	96.7							135.5
TAPE		400	97.5	97.8	99.7	100.2	99.7	98.5	96.5	95.8	94.7	92.5							131.3
BAR 29.7 HG		500	93.5	94.0	95.5	95.3	94.2	93.3	92.5	91.5	90.2	88.3							126.7
(100295. N/M2)		630	93.0	96.0	96.0	95.8	95.2	94.3	92.8	91.0	89.8	88.3							127.3
TAMP 82. DEG F		800	92.0	96.8	95.8	95.8	95.7	94.1	92.8	91.0	89.2	86.5							127.7
(301. DEG K)		1000	86.3	96.3	95.0	95.5	94.5	93.1	91.3	89.3	87.2	84.5							126.2
TNET 89. DEG F		1250	88.0	90.8	95.5	96.7	95.5	93.1	91.1	89.1	87.0	84.8							126.3
(294. DEG K)		1600	86.0	91.3	94.3	96.3	95.0	91.6	89.9	88.1	85.5	83.0							125.5
HACT13.98 CM/M3		2000	87.3	91.1	94.0	96.7	94.5	92.4	89.6	87.2	85.7	83.3							127.8
(1.01398 KG/M3)		2500	89.8	97.0	97.0	98.5	96.4	93.6	90.6	88.7	86.5	83.8							127.8
MFA 10365. RPM		3150	95.5	96.8	102.5	104.7	102.9	98.3	95.1	92.2	89.7	87.0							133.1
(1106. RAD/SEC)		4000	96.4	99.0	102.2	103.6	103.0	98.8	95.3	91.9	89.6	86.7							132.8
MFA 10338. RPM		5000	95.3	98.7	102.1	103.2	102.7	98.5	95.8	92.4	89.5	87.7							132.0
(1082. RAD/SEC)		6300	100.8	101.6	108.9	108.3	107.7	103.9	100.1	95.7	92.7	91.7							137.5
MFD 11517. RPM		8000	95.4	100.0	102.6	102.9	102.2	100.0	97.8	93.9	90.4	88.3							133.1
(1208. RAD/SEC)		10000	96.0	103.2	104.4	105.1	104.9	103.0	99.7	96.3	92.3	90.3							135.7
NO. OF BLADES 18		12500	95.9	102.3	104.3	104.4	103.6	102.1	100.0	96.0	92.1	90.1							135.3
FAN TIP SPEED		16000	94.0	100.0	102.0	102.5	102.3	100.4	98.0	94.3	90.5	89.2							133.9
622. FT/SEC		20000	92.2	99.4	101.6	102.1	101.7	99.4	96.5	94.8	91.6	90.4							133.8
		25000	91.9	96.9	100.6	101.0	101.0	99.1	96.2	95.0	91.1	90.0							133.7
		31500	86.7	96.2	99.3	99.9	100.1	98.1	97.4	94.1	91.2	89.4							132.2
		40000	81.9	93.2	96.0	96.7	97.1	95.8	95.1	90.9	89.1	86.5							130.4
		50000	76.0	91.1	92.0	92.3	94.1	91.9	92.0	86.4	85.6	82.8							127.4
		63000	74.9	91.5	84.8	85.5	87.3	85.1	84.8	79.8	79.9	77.0							129.5
		80000	80.9	88.4	82.2	82.8	83.3	82.7	83.1	80.3	83.1	80.8							129.5
OVERALL MEASUREM		111.0	113.5	115.3	116.0	115.4	113.2	111.4	109.0	107.0	105.4								147.0
OVERALL CALCULATED		PND#	121.7	123.9	126.6	128.1	127.4	124.3	121.5	118.5	116.1	114.5							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (50 DEG. F, 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND HAZIANS)												
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )
	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
SIDE LINE 500. FT.	50	70.7	74.1	78.6	80.8	81.1	81.2	77.9	77.4	75.4	73.7	
(152.40 M)	63	72.1	75.7	78.3	80.1	81.1	82.4	82.4	81.0	79.0	78.7	
NFA 2976. RPM	100	70.1	76.3	79.7	81.1	81.6	82.2	83.2	82.4	80.2	79.0	
( 312. RAD/SEC)	125	65.0	70.7	75.7	78.1	78.9	78.6	77.0	76.4	75.3	72.0	
NFK 2912. RPM	180	61.0	66.6	71.1	72.9	73.2	73.1	72.8	72.0	70.5	68.1	
( 305. RAD/SEC)	200	60.7	68.2	71.3	73.1	74.0	73.9	72.9	71.3	69.9	67.9	
NFD 3244. RPM	250	58.4	70.5	70.7	73.3	74.2	73.4	72.7	71.1	69.1	65.9	
( 340. RAD/SEC)	315	55.0	67.6	69.6	72.3	72.7	72.2	70.9	69.1	66.9	63.6	
AIRFLOW RATIO	400	53.1	61.6	69.8	73.2	73.4	72.0	70.5	68.7	66.4	63.7	
M/F/M 12:60	500	50.5	61.6	68.1	72.4	72.6	70.2	69.0	67.5	64.7	62.2	
VEHICLE UTMSIM	630	51.0	60.9	67.5	72.5	71.8	70.7	68.5	66.3	64.6	61.7	
CONFIG 9+2	800	52.6	66.8	70.0	73.9	73.4	71.6	69.2	67.5	65.1	61.8	
LOC SCHEMECTARY	1000	57.4	67.4	75.0	79.7	79.5	76.0	73.4	70.7	68.0	65.5	
DATE 7/22/75	1250	57.4	66.9	74.1	78.1	79.3	76.1	73.3	70.1	67.6	64.1	
RUN 44/10	1600	55.0	65.7	73.4	77.2	78.5	75.3	73.3	70.1	67.0	64.6	
TAPE	2000	59.0	67.7	77.1	81.6	82.9	80.3	77.2	73.0	69.8	68.1	
FAN TIP SPEED	2500	52.5	65.2	72.6	75.8	77.0	76.0	73.7	70.8	67.1	64.3	
922. FT/SEC	3150	51.0	67.1	73.3	77.1	78.9	78.4	75.8	72.7	68.4	65.7	
OVERALL CALCULATED	4000	47.9	64.1	71.7	75.1	76.6	76.5	75.2	71.4	67.2	64.5	
PNUB	5000	44.4	60.8	68.7	72.8	74.9	74.4	73.4	69.4	65.0	63.2	
	6300	37.4	56.9	65.7	70.2	72.5	71.8	71.9	68.4	64.9	62.6	
	8000	29.1	49.1	60.7	66.0	69.0	69.0	69.2	66.2	62.1	59.9	
	10000	14.8	41.0	54.0	60.5	64.3	64.6	65.1	62.2	58.9	55.9	
		77.6	83.7	88.1	90.9	91.7	90.7	89.7	88.1	86.1	84.1	
		80.2	91.4	98.1	102.0	103.2	101.9	100.1	97.2	93.9	91.2	
SIDE LINE 200. FT.	50	79.7	85.7	88.2	90.1	89.4	86.1	85.8	85.6	84.8	83.6	
( 60.96 M)	63	80.7	83.3	87.4	89.2	90.5	89.5	87.4	85.3	83.7	82.0	
	80	82.5	85.2	87.3	88.8	89.7	90.9	90.8	89.5	88.1	85.2	
	100	80.8	86.0	88.9	90.0	90.4	90.9	91.8	90.9	88.8	87.8	
	125	78.6	80.6	85.0	87.2	87.8	87.3	85.7	85.1	84.9	81.3	
	150	72.3	76.7	81.7	82.1	82.2	82.0	81.7	80.8	79.4	77.0	
	200	72.3	78.6	81.1	82.5	83.1	82.9	81.9	80.2	78.8	76.9	
	250	70.4	81.2	80.7	82.9	83.5	82.6	81.8	80.2	78.2	75.1	
	315	67.3	78.5	79.8	82.0	82.2	81.5	80.2	78.3	76.2	73.0	
	400	65.8	72.8	80.2	83.2	83.1	81.5	79.9	78.1	75.8	73.2	
	500	63.5	73.2	78.8	82.5	82.5	79.9	78.6	77.0	74.2	71.8	
	630	64.5	72.7	78.4	82.9	81.9	80.5	78.3	76.0	74.4	71.5	
	800	66.6	79.0	81.2	84.5	83.7	81.7	79.2	77.4	75.0	71.9	
	1000	72.0	80.0	86.5	90.5	90.0	86.3	83.6	80.6	78.1	75.6	
	1250	72.5	79.9	86.0	89.3	90.1	88.6	83.7	80.4	77.9	74.8	
	1600	70.9	79.3	85.7	88.8	89.6	86.1	84.0	80.7	77.7	75.4	
	2000	75.7	81.9	89.9	93.6	94.4	91.5	88.2	83.9	80.7	79.3	
	2500	70.0	80.0	85.8	88.1	88.7	87.5	84.9	82.0	78.4	75.8	
	3150	69.9	82.7	87.2	90.0	91.2	90.3	87.5	84.3	80.1	77.0	
	4000	68.7	81.1	86.6	88.9	89.7	89.1	87.6	83.8	79.6	77.1	
	5000	66.4	78.6	84.2	87.1	88.4	87.4	86.2	82.1	78.4	76.2	
	6300	62.7	77.0	83.1	86.6	87.3	86.1	85.8	82.3	78.9	77.0	
	8000	59.6	72.7	80.9	84.1	85.9	85.2	84.9	81.9	77.8	76.1	
OVERALL CALCULATED	10000	52.6	69.6	78.0	81.8	84.0	83.4	83.3	80.3	77.1	74.8	
PNUB		88.7	94.6	99.0	101.6	102.2	100.8	99.6	97.5	95.3	93.3	
		96.6	106.1	111.1	114.1	114.9	113.5	111.5	108.6	105.3	102.9	



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA 150 DEG. P, 70 PERCENT REL. HUM, DAY

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)																			
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.										
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	(2.96)	(3.14)	(3.31)	(3.49)	(3.66)
SIDE LINE 500. Ft. (152.40 M)	50	69.2	74.7	77.4	78.6	78.1	77.1	77.8	76.2	75.3	74.0										
	63	73.4	78.1	80.8	83.1	84.6	83.9	82.1	80.0	77.4	75.9										
	80	73.3	78.2	80.5	82.1	83.1	83.9	83.4	82.3	80.3	78.2										
NFA 3293. RPM (345. RAD/SEC)	100	71.1	78.3	81.0	82.4	83.4	83.7	84.0	82.9	81.7	80.0										
	125	67.3	73.5	78.4	79.9	80.9	80.8	79.3	78.7	77.3	74.8										
	100	62.8	69.1	73.1	75.1	75.2	75.1	74.8	74.0	72.8	69.8										
MFK 3216. RPM (337. RAD/SEC)	200	62.0	68.9	72.8	75.4	76.0	75.9	75.1	73.8	72.1	70.4										
	250	59.7	67.3	72.2	75.6	76.5	75.7	74.4	73.3	71.4	68.9										
	315	58.0	64.3	70.6	73.5	73.9	73.2	72.9	71.8	69.2	66.6										
MFD 3244. RPM (340. RAD/SEC)	400	55.4	63.9	70.8	75.0	75.2	73.7	72.7	71.4	68.9	65.9										
AIRFLOW RATIO	500	53.0	62.6	69.4	73.6	73.9	72.5	70.5	69.5	67.7	64.4										
	630	52.7	62.4	69.2	74.0	73.8	72.5	70.3	69.3	67.1	63.9										
	800	53.3	63.3	69.7	74.4	74.4	72.6	70.2	69.0	66.6	63.9										
VEHICLE UTMSH CONFIG B+2	1000	58.4	68.6	74.7	79.2	79.3	77.5	74.9	71.9	69.2	65.3										
	1250	59.6	69.6	76.4	80.1	81.1	78.9	75.8	72.8	70.0	66.1										
LOC SCHENECTADY	1600	58.0	68.4	75.1	79.0	80.0	78.1	75.3	71.8	69.0	66.1										
DATE 7/22/75	2000	58.7	70.4	76.6	80.6	81.9	80.1	76.9	74.0	70.5	67.9										
RUN 44/11	2500	56.5	69.2	75.8	79.6	80.2	78.8	76.7	73.5	70.4	67.8										
TAPE	3150	52.0	68.1	74.8	78.6	80.7	80.4	78.6	75.9	71.4	69.2										
FAN TIP SPEED	4000	49.4	66.3	73.4	77.1	78.9	79.0	77.9	74.9	70.5	67.8										
	5000	45.9	64.1	70.9	74.8	76.7	76.6	75.9	72.1	68.6	66.7										
	6300	39.2	58.9	67.7	72.2	74.2	75.1	74.4	71.2	68.4	65.8										
	8000	30.6	52.3	63.0	68.5	71.0	71.8	71.4	69.0	65.3	63.7										
	10000	16.0	44.1	56.3	62.7	66.5	67.9	67.6	65.2	61.9	58.6										
OVERALL CALCULATED	PNDB	79.0	85.3	89.3	92.0	93.0	92.5	91.3	89.6	87.6	85.5										
	PNDB	81.3	93.0	99.3	103.1	104.5	104.0	102.3	99.9	96.5	94.0										

ORIGINAL PAGE IS OF POOR QUALITY

	50	79.0	83.7	86.0	87.1	86.4	85.3	86.0	84.4	83.5	82.0										
	63	83.5	87.3	89.5	91.7	93.0	92.3	90.4	88.3	85.7	84.3										
SIDE LINE 200. Ft. (60.96 M)	80	83.7	87.7	89.5	90.8	91.7	92.4	91.8	90.7	89.1	86.7										
	100	81.8	86.0	90.2	91.3	92.1	92.4	92.5	91.4	90.3	88.6										
	125	78.3	83.4	87.8	88.9	89.8	89.6	88.0	87.4	86.0	83.9										
	160	74.1	79.2	82.7	84.3	84.2	84.0	83.7	82.8	81.6	78.7										
	200	73.6	79.3	82.6	84.7	85.1	84.9	84.1	82.7	81.1	79.4										
	250	71.6	77.9	82.2	85.1	85.3	84.9	83.5	82.4	80.5	78.1										
	315	70.3	75.3	80.5	83.3	83.4	82.5	82.2	80.8	78.4	76.0										
	400	68.1	75.1	81.2	84.9	84.8	83.2	82.1	80.8	78.3	75.4										
	500	66.0	74.2	80.0	83.8	83.7	82.1	80.1	79.0	77.2	74.1										
	630	66.2	74.2	80.1	84.4	83.9	82.3	80.0	79.0	76.9	73.8										
	800	67.3	75.5	81.0	85.0	84.7	82.7	80.2	78.9	76.5	73.9										
	1000	73.0	81.3	86.3	90.0	89.8	87.8	85.1	82.0	79.4	75.5										
	1250	74.7	82.7	88.2	91.3	91.8	89.4	86.2	83.1	80.9	77.1										
	1600	73.9	82.0	87.4	90.5	91.1	88.9	86.0	82.4	79.7	76.9										
	2000	75.4	84.6	89.4	92.6	93.4	91.2	87.9	84.8	81.5	78.0										
	2500	74.0	84.0	89.0	91.9	92.0	90.2	87.9	84.7	81.6	79.3										
	3150	70.9	83.8	88.8	91.5	93.0	92.3	90.3	87.6	83.1	81.1										
	4000	70.2	83.4	88.4	90.9	91.9	91.6	90.3	87.3	82.9	80.4										
	5000	67.9	81.9	86.5	89.1	93.2	89.7	88.7	84.9	81.4	79.7										
	6300	64.5	79.0	85.1	88.0	89.1	89.3	88.3	85.0	82.4	80.0										
	8000	61.1	76.0	83.1	86.5	87.9	87.9	87.2	84.6	81.1	79.8										
	10000	54.3	72.6	80.2	84.0	86.2	86.6	85.8	83.3	80.1	77.4										
OVERALL CALCULATED	PNDB	90.1	96.4	100.3	102.8	103.6	102.7	101.3	99.3	97.0	95.0										
	PNDB	97.8	107.7	112.7	115.5	116.4	115.6	113.8	111.2	107.9	105.6										

## Run 45/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 NR. 15.0													
MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)															
ANGLES FROM INLET IN DEGREES (AND RADIANS)															
FREQ.	20	30	40	50	60	70	80	90	100	110	0	0	0	0	PWL
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(10.)
	50	60	70	80	90	100	110	120	130	140	150	160	170	180	
RADIAL 17. FT.	100	89.0	86.9	82.8	84.3	86.5	88.3	88.5	89.8	89.5	88.8				
VEHICLE (5. M) UYRSIM	125	95.3	94.1	94.1	93.3	92.0	93.3	93.8	93.8	94.0	94.0				121.7
CONFIG C-1	160	91.3	93.1	94.3	94.0	91.5	92.0	91.8	90.8	90.5	90.8				127.4
LOC SCHENECTADY	200	90.5	90.1	90.8	91.7	93.2	92.8	91.3	88.8	87.0	86.1				123.7
DATE 7/22/75	250	96.8	95.9	93.3	92.2	92.5	93.8	94.0	93.3	92.3	89.8				124.3
RUN 45/1	315	94.5	96.4	94.6	94.2	91.0	91.0	91.8	91.3	90.3	89.0				127.0
TAPE	400	85.8	88.6	89.8	89.7	88.7	88.8	84.8	84.8	83.5	81.8				125.9
BAR 29.7 MG	500	82.8	85.0	85.1	83.8	82.5	81.3	80.8	79.6	78.3	76.1				120.5
(00295. N/M2)	630	84.1	86.9	87.1	86.8	85.0	83.6	81.0	79.6	77.8	76.3				115.5
TAMB 81. DEG F	800	81.3	87.8	89.1	89.3	87.2	85.6	83.3	81.1	78.8	76.8				117.3
(300. DEG K)	1000	79.8	87.0	89.8	89.5	87.5	85.1	82.5	80.6	77.8	75.3				119.0
TNET 69. DEG F	1250	80.8	87.2	91.1	90.7	88.7	86.4	83.8	82.1	78.8	75.8				116.1
(294. DEG K)	1600	80.3	87.2	91.4	92.0	90.0	88.9	84.1	82.2	79.5	75.8				120.2
HACT 14.27 CM/M3	2000	86.8	94.2	98.6	98.7	97.2	94.1	90.6	87.5	85.0	80.0				121.0
(.01427 KG/M3)	2500	87.0	95.0	98.1	99.0	97.4	94.6	91.4	88.7	85.3	81.0				127.6
NFA 7064. RPM	3150	86.5	92.9	95.6	97.4	95.6	92.6	89.1	85.7	83.0	80.1				128.1
(740. RAD/SEC)	4000	93.4	100.4	104.5	100.8	100.8	97.3	94.8	93.7	87.9	86.5				126.2
NFR 6919. RPM	5000	89.1	96.3	99.9	100.2	98.7	93.2	90.0	87.4	83.8	82.7				133.8
(724. RAD/SEC)	6300	87.4	94.0	96.6	98.0	96.2	94.4	91.9	88.2	85.0	82.5				128.7
NFD 11517. RPM	8000	87.2	94.6	96.5	97.2	95.4	93.0	88.2	84.9	81.4	80.1				127.4
(1200. RAD/SEC)	10000	86.1	95.1	98.8	98.9	95.4	92.1	88.5	84.6	80.6	79.1				126.8
NO. OF BLADES 18	12500	85.5	94.1	95.4	95.4	93.9	91.9	88.8	84.6	79.6	77.9				126.0
FAN TIP SPEED	16000	84.3	92.6	93.6	94.3	92.8	91.1	89.3	84.3	79.8	77.7				125.7
617. FT/SEC	20000	84.7	93.8	96.1	97.0	95.9	94.4	93.0	87.8	82.9	80.6				125.0
	25000	85.2	93.7	95.1	95.7	94.9	92.9	90.7	86.5	80.8	79.3				126.3
	31500	80.9	91.2	93.4	93.3	92.2	90.9	89.0	84.3	78.9	76.9				127.7
	40000	73.9	86.7	89.0	88.9	88.0	86.0	85.2	79.9	75.7	72.5				126.4
	50000	67.2	81.6	82.5	82.9	83.7	80.6	80.1	73.6	71.7	68.0				123.4
	63000	65.6	74.5	74.4	77.3	78.9	73.7	73.4	67.4	68.3	65.6				119.8
	80000	70.7	73.6	72.0	82.8	83.0	72.5	72.9	70.1	72.9	70.4				118.5
OVERALL MEASURED															123.9
OVERALL CALCULATED	103.6	107.6	110.1	111.0	108.4	106.3	104.4	102.5	100.8	99.8					
PNUM	115.2	121.1	124.2	125.5	121.7	119.0	116.5	114.9	111.0	110.2					140.8

Run 45/Reading 1

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 DAY 31 YR. 1960

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIAN)															
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0
	50	61.4	67.6	71.5	72.9	71.6	72.9	73.1	72.2	71.0	71.7						
	63	60.2	64.3	67.4	70.4	73.1	73.4	72.4	70.0	68.1	66.7						
SIDELINE 500 FT.	80	65.9	69.6	69.8	70.6	72.1	74.2	74.9	74.3	73.2	70.2						
(152.40 M)	100	63.1	69.7	70.8	70.4	70.4	71.3	72.5	72.2	71.0	69.8						
NFA 1990 RPM	125	53.9	61.6	65.8	67.6	67.9	66.8	65.3	65.5	64.1	61.8						
( 208. RAD/SEC)	160	50.1	58.2	60.7	61.4	61.4	61.1	61.1	60.0	58.6	55.9						
NFK 1949 RPM	200	51.0	59.1	62.4	64.1	63.7	63.2	61.1	59.8	57.9	55.9						
( 204. RAD/SEC)	250	47.7	59.4	64.0	66.3	65.7	65.0	63.2	61.1	58.7	55.9						
NFD 3244 RPM	315	45.3	58.9	64.4	66.3	65.7	64.2	62.2	60.4	57.4	54.9						
( 340. RAD/SEC)	400	45.9	58.0	65.3	67.2	66.7	65.3	63.3	61.7	58.2	54.7						
AIRFLOW RATIO	500	44.8	57.5	65.2	68.1	67.6	65.5	63.3	61.5	58.7	54.2						
W/FAN 12:60	630	50.5	64.0	72.0	74.5	74.0	72.5	69.5	66.0	63.9	59.0						
	800	49.9	64.1	71.1	74.4	74.4	72.7	70.0	67.5	63.9	59.7						
VEHICLE UTASIM	1000	48.5	61.5	68.1	72.4	72.3	70.3	67.4	64.2	61.3	57.8						
CONFIG C-1	1250	54.4	68.2	76.4	81.1	77.1	74.7	72.8	71.9	65.9	65.9						
LOC SCHENECTADY	1600	48.6	63.3	71.2	74.2	72.5	70.1	67.6	65.1	61.3	59.0						
DATE 7/22/75	2000	45.7	60.0	67.2	71.4	71.4	70.9	68.9	65.5	62.0	58.9						
RUN 45/1	2500	44.3	59.8	66.4	70.0	70.2	69.1	64.9	61.8	58.1	56.1						
TAPE	3150	41.1	58.9	65.6	68.9	69.4	67.4	64.6	61.0	56.7	54.5						
FAN TIP SPEED	4000	37.4	55.9	62.7	66.1	66.9	66.2	63.9	60.0	54.8	52.3						
617. FT/SEC	5000	34.7	53.4	60.2	64.5	65.4	65.2	64.2	59.4	54.7	51.7						
	6300	29.9	51.2	60.2	65.2	66.7	66.8	66.3	61.2	56.2	53.6						
	8000	22.4	45.9	55.3	60.7	62.9	62.8	61.7	57.7	51.8	49.2						
	10000	7.1	36.1	48.1	53.9	56.4	57.3	56.8	52.4	48.6	43.4						
OVERALL CALCULATED		69.9	77.1	82.3	85.5	84.5	83.6	82.4	80.9	78.9	77.2						
PND8		71.0	84.8	91.9	95.8	94.7	93.6	91.6	88.8	85.0	82.6						

	50	71.2	76.6	80.1	81.3	79.9	81.1	81.3	80.4	80.0	79.9						
	63	70.3	73.5	76.2	79.0	81.5	81.8	80.7	78.4	76.5	75.1						
SIDELINE 200 FT.	80	76.3	79.1	78.8	79.3	80.7	82.7	83.4	82.8	81.6	78.7						
( 60.96 M)	100	73.8	79.4	80.0	79.3	79.1	79.9	81.0	80.7	79.6	78.4						
	125	64.9	71.5	75.1	76.7	76.8	75.6	74.0	74.2	72.8	70.6						
	160	61.4	68.4	70.3	70.6	70.5	70.0	69.9	68.9	67.4	64.8						
	200	62.6	69.5	72.1	73.5	72.9	72.2	70.1	68.8	66.9	65.0						
	250	59.6	70.1	74.0	75.9	75.0	74.2	72.3	70.2	67.8	65.1						
	315	57.6	69.9	74.6	76.0	75.2	73.6	71.5	69.6	66.7	63.8						
	400	58.6	69.2	75.8	77.2	76.3	74.8	72.7	71.1	67.8	64.2						
	500	57.8	69.1	75.9	78.3	77.5	75.2	72.9	71.1	68.3	63.9						
	630	64.0	75.9	83.0	84.9	84.6	82.3	79.3	76.3	73.7	68.8						
	800	63.9	76.4	82.3	85.0	84.7	82.7	79.9	77.4	73.8	69.7						
	1000	63.0	74.1	79.6	83.3	82.8	80.6	77.6	74.3	71.4	68.1						
	1250	69.5	81.3	88.3	92.3	87.8	85.2	83.2	82.2	78.2	76.4						
	1600	64.7	76.9	83.5	85.8	83.6	80.9	78.2	75.7	72.0	70.4						
	2000	62.5	74.2	80.0	83.3	82.9	82.0	79.9	76.4	73.0	70.1						
	2500	61.8	74.6	79.6	82.4	82.0	80.5	76.2	73.0	69.4	67.6						
	3150	59.9	74.6	79.6	81.8	81.7	79.3	76.3	72.6	68.4	66.4						
	4000	58.2	73.0	77.7	79.9	79.9	78.9	76.3	72.3	67.1	64.9						
	5000	56.6	71.3	75.8	78.8	78.9	78.2	76.9	72.1	67.4	64.8						
	6300	55.3	71.3	77.6	81.0	81.5	81.1	80.3	75.1	70.1	67.3						
	8000	52.9	69.6	75.4	78.8	79.8	78.9	77.4	73.4	67.6	65.3						
	10000	44.8	64.7	72.0	75.2	76.2	76.1	75.0	70.5	64.9	62.1						
OVERALL CALCULATED		89.9	88.7	93.7	90.6	95.1	93.8	92.3	90.3	87.9	86.2						
PND8		86.9	99.5	104.8	107.7	106.7	105.1	103.4	99.8	96.2	93.6						

## Run 45/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 NR. 15.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
	50																	
	63																	
	80																	
RADIAL	17. FT.																	
	( 5. M)																	
VEHICLE	UTWSIM	100	92.5	89.5	84.8	85.5	87.0	88.3	88.8	89.3	89.3	87.0						122.1
CONFIG	C.1	100	96.3	99.3	95.8	95.3	94.5	95.5	95.5	94.0	94.0	93.0						128.3
LOC	SCHENECTADY	200	95.5	95.7	95.7	96.5	97.2	96.2	94.2	92.2	90.5	89.3						132.4
DATE	7/22/75	250	101.5	101.2	99.5	98.0	98.0	98.5	98.5	98.7	96.8	94.3						128.4
RUN	45/2	315	99.5	101.2	100.5	99.2	98.5	98.3	98.0	97.2	96.8	96.1						132.0
TAPE		400	93.0	94.8	96.5	96.7	96.0	74.3	92.3	92.0	90.5	88.8						132.1
BAR	29.7 HG	500	89.3	91.3	92.3	91.0	90.2	89.3	88.0	87.3	85.8	84.3						127.6
	(00295. N/M2)	630	89.5	91.8	93.0	93.3	92.0	90.8	88.5	86.8	85.5	83.8						122.0
TAMB	83. DEG F	800	87.0	90.5	93.5	94.3	92.7	91.1	89.8	87.8	86.0	83.0						123.4
	(301. DEG K)	1000	84.8	89.0	92.7	94.5	92.5	90.3	88.5	86.8	84.0	81.3						124.3
THET	70. DEG F	1250	84.3	88.8	94.5	96.3	93.5	91.1	88.8	87.1	84.3	81.3						123.7
	(274. DEG K)	1600	83.3	89.1	94.8	96.5	94.5	91.6	89.4	87.4	84.5	81.9						124.8
HACT	14.56 GH/M3	2000	83.3	90.6	94.3	97.5	96.0	93.1	89.9	87.4	85.3	81.8						125.3
	(.01455 KG/M3)	2500	91.3	98.3	102.3	104.7	102.7	101.9	98.1	95.2	92.3	88.1						126.1
NFA	8034. RPM	3150	91.0	97.1	101.0	104.4	103.4	101.3	97.4	94.2	91.5	87.4						133.7
	( 925. RAD/SEC)	4000	90.4	97.0	100.9	103.3	101.8	99.3	95.3	92.4	89.9	86.5						133.4
NFR	8636. RPM	5000	95.8	102.2	105.0	107.5	106.5	104.0	99.0	95.4	92.3	89.7						132.2
	( 994. RAD/SEC)	6300	91.4	98.6	102.1	102.5	101.9	99.4	95.3	92.7	89.7	87.0						136.6
NFB	11517. RPM	8000	90.2	98.3	101.9	103.4	102.4	100.7	97.5	93.6	89.7	87.9						132.8
	(1205. RAD/SEC)	10000	90.5	99.2	102.2	102.6	101.9	99.3	96.7	92.6	88.9	86.0						133.1
NO. OF BLADES	18	12500	89.7	96.3	101.1	101.6	100.9	98.6	96.8	92.0	87.9	85.9						132.7
FAN TIP SPEED	10000	10000	88.0	97.0	98.2	99.3	98.6	97.1	95.3	90.5	86.6	84.7						132.1
	771. FT/SEC	20000	86.9	95.4	98.3	99.5	98.4	97.4	95.8	91.8	87.9	85.9						130.4
		25000	87.4	94.9	98.3	99.2	98.4	95.6	95.4	91.9	87.6	86.3						130.9
		31500	84.7	94.4	97.5	97.9	96.8	96.3	94.3	90.5	86.9	84.9						131.3
		40000	78.1	90.6	93.6	93.4	94.0	92.2	91.7	88.8	84.0	81.3						131.1
		50000	74.6	86.9	88.7	88.7	90.0	87.6	87.8	82.1	79.9	78.1						128.9
		63000	75.3	80.8	81.1	80.8	82.9	81.7	81.1	76.4	73.1	68.9						126.4
		80000	80.7	83.0	82.0	82.6	83.1	82.5	82.9	80.1	73.0	70.4						122.2
																		127.6
	OVERALL MEASURED																	
	OVERALL CALCULATED	107.5	111.2	113.6	114.9	113.8	112.1	109.7	107.2	105.4	103.8							
	PWLS	117.9	123.2	126.3	127.9	126.8	124.7	121.1	118.3	115.8	113.3							149.3

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM. DAY)												
ANGLES FROM INLET IN DEGREES (AND RADIANS)												
FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.
	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)
SIDELINE 900. FT.	50	66.4	73.7	78.1	79.4	78.3	79.6	80.3	79.2	79.1	77.9	
(152.40 M)	63	65.2	69.9	72.6	75.1	77.1	76.9	75.4	73.5	71.6	70.0	
NFA 2400 RPM	80	70.6	75.0	76.0	76.4	77.6	78.9	79.6	78.6	77.7	74.7	
(261. RAD/SEC)	100	68.1	74.6	76.7	77.4	77.9	78.5	78.7	78.1	77.5	76.3	
NFA 2433 RPM	125	61.1	67.7	72.4	74.6	75.2	74.3	72.6	72.7	71.1	68.8	
(255. RAD/SEC)	150	56.8	63.8	67.9	68.6	69.2	69.1	68.3	67.7	66.1	64.1	
NFA 3244 RPM	200	56.5	63.9	68.3	70.6	70.7	70.4	68.6	67.0	65.6	63.4	
(340. RAD/SEC)	250	53.4	62.3	68.5	71.3	71.2	70.4	69.7	67.8	65.9	62.9	
AIRFLOW RATIO	315	50.5	60.3	67.4	71.3	70.7	69.5	68.2	66.6	63.7	60.5	
(AF/M 12.60)	400	49.4	59.6	66.8	72.7	71.4	70.0	68.2	66.7	63.7	60.2	
VEHICLE CONFIG	500	47.7	59.4	66.6	72.6	72.1	70.2	68.5	66.7	63.7	60.5	
LOC SCHEENECTADY	630	47.0	60.4	67.7	73.3	73.3	71.5	68.8	66.5	64.2	60.0	
DATE 7/22/75	800	54.1	67.5	75.2	80.1	79.7	79.9	78.7	74.0	70.9	66.2	
RUN 45/2	1000	52.9	65.6	73.5	79.4	80.0	79.0	75.7	72.7	69.8	65.1	
TAPE	1250	51.4	64.9	72.9	77.9	78.1	76.6	73.3	70.6	67.9	63.9	
FAN TIP SPEED	1500	55.5	69.2	76.9	81.5	82.2	80.8	76.6	73.1	69.8	66.6	
771. FT/SEC	2000	49.7	64.7	72.6	78.9	77.2	75.8	72.4	70.0	65.8	63.4	
OVERALL CALCULATED	2500	47.2	63.5	71.8	78.3	77.2	76.8	74.2	70.5	66.4	63.9	
PND	3150	45.5	63.1	71.1	74.6	75.9	74.6	72.8	68.9	65.0	62.0	
	4000	41.6	60.1	68.4	72.4	73.9	72.9	71.9	67.4	63.0	60.3	
	5000	38.4	57.8	64.9	69.5	71.1	71.1	70.1	65.6	61.4	58.7	
	6300	32.1	52.8	62.4	67.7	69.2	69.8	69.1	65.4	61.2	58.3	
	8000	24.6	47.0	58.4	64.2	66.4	66.5	66.4	63.2	58.6	56.2	
	10000	18.8	39.2	52.2	58.4	60.9	62.8	62.0	58.6	54.6	51.4	
	OVERALL CALCULATED	74.7	81.4	86.2	89.5	90.0	89.5	88.0	86.2	84.6	82.7	
	PND	75.5	88.7	90.1	100.4	101.1	100.2	98.1	95.0	91.5	88.7	

SIDELINE 200. FT.	50	76.2	82.7	86.7	87.8	86.6	87.6	88.5	87.4	87.3	86.2	
(60.96 M)	63	75.2	79.1	81.4	83.7	85.5	85.3	83.7	81.6	80.0	76.3	
	80	81.0	84.4	85.0	85.1	86.2	87.4	88.1	87.2	86.1	83.2	
	100	78.8	84.3	85.9	86.3	86.6	87.1	87.3	86.7	86.1	84.9	
	125	72.1	77.6	81.8	83.7	84.0	83.1	81.5	81.4	79.8	77.6	
	150	68.1	74.0	77.4	77.8	78.2	78.0	77.2	76.6	74.9	73.0	
	200	68.1	74.3	78.1	80.0	79.9	79.4	77.6	76.0	74.6	72.5	
	250	65.4	72.9	78.4	80.9	80.5	79.6	78.6	76.9	75.0	72.1	
	315	62.6	71.3	77.5	81.0	80.2	78.8	77.4	75.6	72.9	69.6	
	400	62.1	70.8	79.2	82.7	81.1	79.5	77.6	76.1	73.1	69.7	
	500	60.8	70.9	79.3	82.6	82.0	79.9	78.1	76.3	73.3	70.2	
	630	60.5	72.2	78.6	83.6	83.4	81.3	78.5	76.2	73.9	69.8	
	800	68.1	79.7	86.5	90.7	90.0	89.9	86.7	83.9	80.8	76.2	
	1000	67.5	78.3	85.0	90.3	90.5	89.3	85.8	82.8	79.9	75.3	
	1250	66.5	77.9	84.7	89.1	88.8	87.1	83.7	80.9	78.2	74.4	
	1500	71.4	82.8	89.2	93.0	93.3	91.7	87.2	83.7	80.5	77.4	
	2000	66.4	78.9	85.4	88.8	88.6	87.0	83.4	80.9	76.8	74.6	
	2500	64.8	78.2	85.0	88.6	89.0	88.2	85.4	81.7	77.6	75.3	
	3150	64.4	78.7	85.0	87.5	88.2	86.5	84.5	80.5	76.7	73.9	
	4000	62.4	77.1	83.4	86.2	86.7	85.6	84.3	79.7	75.4	72.9	
	5000	60.4	75.6	80.5	83.8	84.7	84.2	82.9	78.3	74.2	71.8	
	6300	57.5	73.0	79.8	83.5	84.0	84.1	83.0	79.3	75.1	72.6	
	8000	55.1	70.7	78.0	82.3	83.3	82.6	82.1	78.8	74.3	72.3	
	10000	48.5	67.8	76.2	79.7	80.7	81.6	80.3	76.7	72.9	70.1	
	OVERALL CALCULATED	85.8	92.4	97.3	100.4	100.6	99.8	97.8	95.7	93.8	91.7	
	PND	91.4	103.1	109.2	111.4	112.6	111.6	109.4	106.2	102.8	100.1	





FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)														
		20. (0.35)	30. (0.52)	40. (0.70)	50. (0.87)	60. (1.05)	70. (1.22)	80. (1.40)	90. (1.57)	100. (1.75)	110. (1.92)	120. (2.10)	130. (2.28)	140. (2.45)	150. (2.63)	
SIDELINE 500. FT. (152.40 M)	50	67.2	75.0	78.6	80.9	79.3	79.9	80.5	79.2	78.8	77.2	76.7	75.0	74.5	72.9	70.7
	63	66.9	71.0	74.8	76.9	78.6	78.7	77.1	74.5	72.9	70.7	69.2	68.6	68.3	78.4	78.0
	80	71.1	75.7	77.5	77.9	79.4	80.2	80.6	80.3	78.4	78.0	77.0	76.0	75.0	74.4	73.1
NFA 2656. RPM ( 276. RAD/SEC)	100	68.9	75.8	78.2	79.4	79.4	79.5	80.0	79.9	78.2	77.0	76.6	75.0	74.4	73.1	70.0
	125	62.3	69.7	74.4	77.1	77.2	76.6	75.0	74.4	73.1	70.0	68.1	65.9	65.0	64.7	64.7
NFK 2596. RPM ( 272. RAD/SEC)	200	57.0	65.7	69.6	72.4	72.7	72.2	70.6	69.3	67.9	65.2	64.7	64.7	64.7	64.7	64.7
	250	54.7	63.5	69.5	71.8	72.5	72.4	71.2	69.0	67.4	64.7	62.2	62.2	62.2	62.2	62.2
NFD 3244. RPM ( 340. RAD/SEC)	315	51.8	61.3	68.9	71.5	72.4	71.2	69.9	68.1	65.4	62.2	62.2	62.2	62.2	62.2	62.2
	400	50.1	60.9	69.5	72.2	72.7	71.5	69.7	68.2	65.2	62.2	62.2	62.2	62.2	62.2	62.2
AIRFLOW RATIO WF/WR 12:60	500	48.2	60.4	68.9	73.1	73.4	71.7	69.3	68.0	65.0	61.7	61.7	61.7	61.7	61.7	61.7
	630	54.7	65.4	74.0	78.5	80.1	79.0	76.8	74.0	70.4	65.7	65.7	65.7	65.7	65.7	65.7
	800	55.6	66.0	76.2	81.1	82.4	81.9	78.8	76.0	72.6	67.4	67.4	67.4	67.4	67.4	67.4
VEHICLE CONFIG LOC SCHENECTADY DATE 7/22/75 RUN 45/J TAPE	1000	54.4	66.6	74.4	79.6	80.7	79.0	76.4	72.4	69.7	66.1	66.1	66.1	66.1	66.1	66.1
	1250	53.8	67.3	74.6	79.3	81.0	80.1	76.2	72.5	69.3	66.5	66.5	66.5	66.5	66.5	66.5
	1600	54.1	68.1	75.4	79.8	80.8	80.1	76.2	72.5	69.3	66.5	66.5	66.5	66.5	66.5	66.5
	2000	50.3	65.4	73.3	77.7	78.8	78.5	76.2	72.3	68.4	65.1	65.1	65.1	65.1	65.1	65.1
	2500	49.5	66.3	73.5	77.6	79.1	78.2	75.6	71.9	68.2	65.5	65.5	65.5	65.5	65.5	65.5
	3150	47.6	64.3	71.0	75.8	77.4	76.6	75.1	71.6	68.9	63.0	63.0	63.0	63.0	63.0	63.0
FAN TIP SPEED 823. FT/SEC	4000	43.3	61.1	67.7	72.6	73.9	73.8	73.3	68.8	64.0	62.2	62.2	62.2	62.2	62.2	62.2
	5000	39.5	58.4	66.6	71.7	73.6	73.6	73.0	69.1	65.1	61.3	61.3	61.3	61.3	61.3	61.3
	6300	34.7	54.4	64.3	69.0	71.3	71.4	71.0	68.1	63.5	61.0	61.0	61.0	61.0	61.0	61.0
	8000	24.5	48.7	60.1	65.5	67.4	68.9	68.7	65.8	61.1	58.0	58.0	58.0	58.0	58.0	58.0
	10000	7.1	39.1	51.2	57.6	61.3	62.1	63.0	58.8	56.1	51.8	51.8	51.8	51.8	51.8	51.8
OVERALL CALCULATED PND		75.5	82.7	87.3	90.6	91.5	91.0	89.6	87.6	85.0	83.4	83.4	83.4	83.4	83.4	83.4
		76.0	86.0	91.1	101.2	102.5	101.9	100.1	96.9	93.4	90.4	90.4	90.4	90.4	90.4	90.4

ORIGINAL PAGE IS OF POOR QUALITY.

	50	77.0	84.0	87.2	89.3	87.6	88.1	88.8	87.4	87.0	85.4	85.4	85.4	85.4	85.4	85.4
	63	77.0	80.8	83.6	85.5	87.0	87.0	85.4	82.8	81.2	79.1	79.1	79.1	79.1	79.1	79.1
SIDELINE 200. FT. ( 60.96 M)	80	81.5	85.2	86.5	86.6	87.9	88.7	89.1	88.7	86.9	84.5	84.5	84.5	84.5	84.5	84.5
	100	79.5	85.5	87.4	88.3	88.1	88.1	88.5	88.4	86.6	85.7	85.7	85.7	85.7	85.7	85.7
	125	73.3	79.6	83.8	86.2	86.0	85.3	83.7	83.1	81.8	79.4	79.4	79.4	79.4	79.4	79.4
	160	69.3	75.7	78.9	79.8	80.2	80.0	79.4	78.8	78.9	74.8	74.8	74.8	74.8	74.8	74.8
	200	68.6	76.1	79.3	81.7	81.9	81.2	79.6	78.2	76.9	74.2	74.2	74.2	74.2	74.2	74.2
	250	66.0	74.2	79.4	81.4	81.8	81.6	80.3	78.7	76.5	73.9	73.9	73.9	73.9	73.9	73.9
	315	63.3	72.3	79.0	81.3	81.9	80.5	79.2	77.3	74.7	71.5	71.5	71.5	71.5	71.5	71.5
	400	62.8	72.1	79.9	82.2	82.3	81.0	79.3	77.6	74.6	71.5	71.5	71.5	71.5	71.5	71.5
	500	61.3	71.9	79.5	83.3	83.2	81.4	78.8	77.5	74.5	71.5	71.5	71.5	71.5	71.5	71.5
	630	68.2	78.2	84.9	88.9	90.1	88.8	86.5	83.8	80.2	75.8	75.8	75.8	75.8	75.8	75.8
	800	69.6	80.3	87.5	91.7	92.7	91.9	88.7	85.9	82.5	77.9	77.9	77.9	77.9	77.9	77.9
	1000	68.9	79.2	86.0	90.5	91.2	89.3	86.0	82.5	79.9	76.3	76.3	76.3	76.3	76.3	76.3
	1250	68.9	80.4	86.5	90.5	91.8	90.6	87.1	82.9	80.4	76.9	76.9	76.9	76.9	76.9	76.9
	1600	70.8	81.8	87.7	91.3	91.8	90.9	86.8	83.1	80.0	77.5	77.5	77.5	77.5	77.5	77.5
	2000	67.1	79.6	86.1	89.6	90.2	89.7	87.1	83.2	79.3	76.4	76.4	76.4	76.4	76.4	76.4
	2500	67.0	81.1	86.7	89.9	90.8	89.6	87.1	83.1	79.5	76.9	76.9	76.9	76.9	76.9	76.9
	3150	66.5	80.0	85.8	88.7	89.7	88.5	86.8	83.2	78.6	75.7	75.7	75.7	75.7	75.7	75.7
	4000	64.1	78.1	82.6	86.4	87.0	86.4	85.7	81.1	77.0	74.8	74.8	74.8	74.8	74.8	74.8
	5000	61.5	76.2	82.2	86.0	87.2	86.8	85.8	81.8	77.9	76.1	76.1	76.1	76.1	76.1	76.1
	6300	60.0	74.5	81.7	84.8	86.2	85.6	85.0	82.0	77.5	75.0	75.0	75.0	75.0	75.0	75.0
	8000	55.0	72.3	80.2	83.5	84.3	83.1	84.4	81.1	76.8	74.1	74.1	74.1	74.1	74.1	74.1
	10000	44.8	67.7	75.2	78.9	81.0	80.8	81.8	78.9	74.3	70.6	70.6	70.6	70.6	70.6	70.6
OVERALL CALCULATED PND		66.4	93.6	98.2	101.3	102.0	101.3	99.6	97.2	94.9	92.5	92.5	92.5	92.5	92.5	92.5
		92.4	104.4	110.1	113.3	114.2	113.3	111.5	108.2	104.8	101.8	101.8	101.8	101.8	101.8	101.8





## Run 45/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 7 DAY 31 PM. 19.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	
RADIAL	17. FT.	50																123.5
	( 5. M)	60																126.0
VEHICLE	UTMSIM	100	94.3	90.5	87.0	86.3	87.8	89.0	90.5	90.5	90.8	89.5						133.0
CONFIG	C.1	100	98.3	103.0	103.5	103.8	102.0	98.3	98.5	98.8	96.3	95.3						131.7
LOC	SCHENECTADY	200	99.2	106.2	99.7	100.5	100.2	99.0	97.5	95.0	93.0	91.5						134.0
DATE	7/22/79	250	103.7	103.0	102.2	101.2	101.7	101.5	101.2	100.0	99.0	96.5						135.5
RUN	45/5	315	101.2	104.2	104.0	103.5	102.5	101.5	101.7	100.7	99.7	98.5						131.0
TAPE		400	96.5	98.0	100.5	101.0	99.7	98.3	96.6	96.0	94.7	93.0						120.5
BAW	29.7 HG	500	92.3	94.8	95.8	95.8	94.2	93.5	92.8	91.5	90.2	87.8						127.0
	(00295. N/M2)	630	92.8	95.5	96.0	96.5	95.7	94.8	93.0	91.5	90.3	86.5						127.5
TAPD	84. DEG F	800	90.5	93.5	96.0	96.8	95.5	95.1	93.5	91.8	90.0	88.0						120.5
	(332. DEG K)	1000	87.0	91.5	95.7	96.2	95.2	93.8	92.0	90.0	88.0	85.5						127.2
TWLT	70. DEG F	1200	86.8	91.5	96.0	97.5	96.2	94.8	92.3	90.6	87.8	85.3						127.2
	(294. DEG K)	1600	85.5	90.8	95.8	97.8	97.2	94.6	92.1	89.6	87.5	84.8						127.2
WACT	14.27 CM/M3	2000	86.0	91.3	95.3	96.7	97.7	96.4	92.9	90.9	88.2	85.3						128.1
	(.01427 MS/M3)	2500	90.8	95.1	99.0	102.0	101.4	99.4	97.1	94.2	91.5	87.8						131.0
NFA	10142. RPM	3150	95.2	100.8	104.5	106.9	106.9	106.8	104.6	102.4	97.7	93.8						137.8
	(1002. RAD/SEC)	4000	95.4	100.0	103.4	105.6	105.6	103.3	99.8	96.2	93.6	90.0						134.0
NFR	9936. RPM	5000	94.6	99.9	102.4	105.2	105.0	102.7	99.3	96.4	93.0	89.9						136.0
	(1037. RAD/SEC)	6300	98.1	103.9	107.1	108.5	107.2	105.4	102.1	97.7	94.4	92.7						134.0
NFD	11517. RPM	8000	94.7	100.5	103.4	104.2	103.9	102.8	100.0	96.6	93.1	90.6						136.0
	(1206. RAD/SEC)	10000	94.6	102.5	105.2	105.6	105.6	104.3	101.7	98.1	93.8	91.8						136.1
NO. OF BLADES	18	12500	94.4	101.8	104.3	104.6	104.9	103.3	101.5	97.5	93.8	91.0						134.5
FAN TIP SPEED		16000	93.1	100.5	102.0	103.1	102.4	101.4	100.1	95.8	92.1	90.0						134.0
	885. FT/SEC	20000	91.0	98.4	101.3	103.1	102.2	100.9	100.0	96.3	92.9	91.0						135.0
		25000	90.9	98.7	101.6	102.3	101.5	101.1	99.5	96.5	92.4	92.0						135.0
		31500	88.5	98.2	100.3	101.4	100.6	100.1	99.1	95.6	92.7	90.7						133.4
		40000	81.9	95.7	97.2	97.8	97.8	96.8	96.8	92.4	90.3	87.6						131.1
		50000	76.5	91.6	92.8	92.8	94.6	92.7	93.0	87.2	86.3	83.4						120.8
		63000	75.2	84.0	85.8	86.0	87.8	85.9	85.8	80.3	80.5	77.0						120.5
		80000	80.4	83.2	82.3	82.9	83.3	82.8	83.2	80.4	83.2	80.6						
OVERALL MEASURED																		140.2
OVERALL CALCULATED			110.1	113.9	115.9	117.0	116.5	115.2	113.3	110.8	106.2	100.2						
			PdL	120.2	124.8	127.6	129.1	128.8	127.9	125.7	123.4	119.9	117.0					

Run 45/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 7 MAY 31 AM 1968

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (99 DEC F, 70 PERCENT REL. HUM. DAT)

	FREQ	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20	30	40	50	60	70	80	90	100	110	0	0	0	0	0	0
	50	68.4	77.5	80.6	82.6	82.1	79.1	79.8	78.2	77.5	76.1						
	63	68.9	74.4	76.6	79.1	80.1	79.7	76.6	76.2	74.1	72.2						
SIDELINE 500 FT	80	72.8	76.7	78.8	79.6	81.4	81.9	82.1	81.0	79.9	78.8						
(152.40 M)	100	69.9	77.6	80.2	81.6	81.9	81.7	82.5	81.6	80.4	78.7						
NFA 2857 RPM	125	64.6	71.0	76.4	78.9	78.9	78.3	77.3	76.7	75.3	73.0						
( 299. RAD/SEC)	160	59.8	67.3	71.4	73.4	73.2	73.3	73.1	72.0	70.5	67.0						
NFK 2790 RPM	200	59.7	67.7	71.3	73.9	74.5	74.4	73.1	71.6	70.4	66.1						
( 292. RAD/SEC)	250	56.9	65.3	71.0	73.8	74.0	74.4	73.4	71.8	69.9	67.4						
NFD 3244 RPM	315	53.5	62.6	70.4	73.0	73.4	73.8	71.7	69.9	67.7	64.0						
( 340. RAD/SEC)	400	51.9	62.4	70.3	74.0	74.2	73.7	71.7	70.2	67.2	64.2						
AIRFLOW RATIO	500	50.0	61.1	69.0	73.9	74.9	73.2	71.3	69.0	66.7	63.4						
NF/M 12.60	630	54.5	64.9	72.5	77.8	78.8	77.7	76.1	73.3	70.4	66.2						
	800	58.1	70.0	77.5	82.3	83.9	84.9	83.3	81.3	78.3	71.9						
VEHICLE UTMSM	1000	57.4	68.6	75.9	80.6	82.2	81.0	78.2	74.7	71.9	67.7						
CONFIC C-1	1250	55.6	67.6	74.3	79.8	81.3	80.1	77.3	74.6	71.0	67.3						
LOC SCHENECTADY	1600	57.9	70.9	76.4	82.5	83.0	82.4	79.7	75.5	72.0	69.7						
DATE 7/22/75	2000	53.1	66.7	74.0	77.7	79.3	79.3	77.2	74.0	70.3	67.3						
RUN 45/5	2500	52.0	67.8	75.2	78.6	80.6	80.4	78.6	75.2	70.4	66.0						
TAPE	3150	49.7	65.0	73.4	77.1	79.2	78.9	77.6	74.1	69.9	67.2						
FAN TIP SPEED	4000	45.3	62.0	69.7	74.2	75.7	76.1	75.0	71.5	67.5	65.6						
885 FT/SEC	5000	41.8	60.2	68.4	73.7	75.2	75.4	75.3	71.9	68.1	66.1						
	6300	36.7	56.7	66.3	71.1	72.9	74.2	73.4	70.7	66.3	65.0						
	8000	26.6	51.3	61.4	67.3	69.5	71.0	71.0	67.8	64.5	61.5						
	10000	9.4	41.9	53.3	59.7	63.4	64.7	65.9	61.9	59.4	55.4						
OVERALL CALCULATED		77.2	84.4	88.9	92.0	93.0	92.7	91.5	89.5	87.2	84.7						
PNUB		76.7	81.6	86.7	90.5	90.0	90.8	90.4	89.4	87.6	85.0						

	50	75.2	86.5	89.2	91.1	90.4	87.3	88.0	86.4	85.8	84.3					
	63	79.0	83.6	85.4	87.7	88.5	88.0	86.9	84.6	82.4	80.5					
SIDELINE 200 FT	80	83.2	86.2	87.8	88.3	89.9	90.4	90.6	89.5	88.3	85.4					
( 60.96 M)	100	80.5	87.3	89.4	90.5	90.6	90.4	91.0	90.2	89.0	87.4					
	125	75.6	80.9	85.8	87.9	87.8	87.1	86.0	85.4	84.0	81.8					
	160	71.1	77.5	80.9	82.6	82.2	82.2	81.9	80.8	79.4	76.5					
	200	71.3	76.1	81.1	83.2	83.6	83.4	82.1	80.7	79.3	77.2					
	250	66.9	75.9	80.9	83.4	83.3	83.6	82.5	80.9	79.0	76.6					
	315	65.8	73.8	80.5	82.8	82.9	82.3	80.9	79.1	76.9	74.0					
	400	64.6	73.6	80.7	83.9	83.8	83.2	81.1	79.6	76.6	73.7					
	500	63.0	72.7	80.3	84.0	84.7	82.9	80.5	78.9	76.2	73.1					
	630	68.0	78.7	83.4	86.1	86.6	87.6	85.8	83.0	80.1	76.0					
	800	72.1	82.3	86.7	93.0	94.2	94.9	93.2	91.2	88.2	81.9					
	1000	71.9	81.2	87.5	91.5	92.7	91.3	88.3	84.8	82.1	78.0					
	1250	73.7	80.9	86.2	91.0	92.0	90.6	87.6	84.9	81.4	77.8					
	1600	73.6	84.5	86.7	94.1	94.1	93.2	90.3	86.1	82.7	80.5					
	2000	69.8	80.9	86.8	89.6	90.7	90.4	86.1	84.9	81.3	78.5					
	2500	69.5	82.6	86.5	90.9	92.3	91.9	89.8	86.4	81.7	79.4					
	3150	68.5	81.5	87.3	90.0	91.5	90.8	89.5	85.7	81.6	79.1					
	4000	66.1	79.7	84.6	87.9	88.7	86.7	86.0	83.9	79.9	78.3					
	5000	63.7	78.0	84.0	86.0	86.7	86.4	86.1	84.0	80.9	79.1					
	6300	62.1	76.8	83.7	86.9	87.7	86.4	87.4	84.0	80.3	78.3					
	8000	57.1	74.9	81.6	85.2	86.4	87.1	85.7	83.4	80.3	77.6					
	10000	47.1	76.5	77.3	81.0	83.1	83.4	84.2	80.0	77.6	74.2					
OVERALL CALCULATED		88.2	95.3	99.8	102.7	103.5	103.0	101.7	99.2	96.5	94.2					
PNUB		84.0	88.1	91.7	95.7	95.7	95.2	93.9	91.6	89.1	86.6					

## Run 45/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		MODEL SOUND PRESSURE LEVELS (99.0 DEG. F. 70 PERCENT REL. HUM. SAT)													PRG. DATE = MONTH 7 DAY 31 HR. 18.0				
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																	
		FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
			(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.	
RADIAL	17. FT.	56																	
	( 5. M)	63																	
		80																	
VEHICLE	UTMSH	125	95.0	93.0	87.5	86.0	88.3	90.0	90.5	91.5	91.5	90.0							124.2
CONFIG	C-1	100	97.3	96.8	96.3	96.3	95.8	96.0	96.0	96.0	95.0	94.5	94.3						129.3
LOC	SCHENECTADY	200	101.0	102.2	102.2	102.7	101.5	98.3	98.5	97.0	96.5	95.5	95.5						133.3
DATE	7/22/75	250	103.7	103.7	103.2	102.5	102.7	101.7	98.7	97.0	95.2	94.0	94.0						134.1
RUN	45/6	315	102.0	104.7	104.7	104.0	103.2	102.7	102.2	101.2	99.7	97.5	97.5						135.0
TAPE		400	97.0	99.5	102.2	102.0	101.2	99.8	98.5	97.5	96.5	94.2	94.2						136.0
BAR	29.7 HG	500	92.0	95.8	97.0	96.8	95.7	95.0	94.3	93.3	91.7	89.8	89.8						137.0
	(10295. N/M2)	630	93.0	96.5	97.0	97.8	97.5	96.6	94.6	93.3	92.0	90.3	90.3						128.2
TAMB	86. DEG F	800	90.8	95.0	97.3	97.8	97.2	96.3	94.8	93.5	91.5	89.5	89.5						129.1
	(303. DEG K)	1000	87.8	92.5	96.0	97.2	96.5	95.3	93.0	91.8	89.7	88.7	88.7						128.0
TMET	70. DEG F	1250	87.5	91.8	96.5	98.0	97.0	95.8	93.3	91.8	89.3	88.3	88.3						127.0
	(264. DEG K)	1600	86.0	91.3	95.8	98.3	97.7	95.1	92.9	90.9	88.5	88.3	88.3						128.0
HACT	13.69 CM/M3	2000	87.3	92.3	96.5	99.5	98.7	96.6	94.4	91.7	89.0	85.0	85.0						127.0
	(.01369 KG/M3)	2500	90.0	94.6	98.5	101.7	101.2	99.4	96.1	93.9	91.2	87.8	87.8						129.0
NFA	10595. RPM	3150	96.7	100.3	104.5	107.4	107.1	106.1	102.9	99.9	96.9	92.0	92.0						131.3
	(1109. RAD/SEC)	4000	96.4	100.0	104.4	106.3	106.6	104.8	101.3	97.2	94.8	91.2	91.2						137.4
NFA	10330. RPM	5000	96.1	99.7	103.6	105.5	105.2	103.5	100.5	96.9	94.5	91.2	91.2						136.5
	(1082. RAD/SEC)	6300	101.4	105.1	108.1	110.0	109.7	107.4	104.1	100.2	96.7	94.7	94.7						135.5
NFD	11517. RPM	8000	98.4	101.5	104.7	105.4	104.7	103.5	101.5	97.9	94.2	92.1	92.1						139.0
	(1208. RAD/SEC)	10000	95.8	103.0	106.2	108.9	106.6	105.5	103.2	99.6	95.4	93.0	93.0						135.9
NO. OF BLADES	18	12500	95.2	103.1	104.8	105.9	105.4	104.4	102.8	99.3	94.9	93.4	93.4						137.0
FAN TIP SPEED	16000	20000	94.0	101.0	103.3	104.3	103.6	102.4	101.6	97.6	93.9	92.2	92.2						137.0
	925. FT/SEC	25000	92.5	99.6	102.6	104.1	103.0	102.5	101.4	97.9	94.7	93.4	93.4						135.7
		31500	89.6	96.8	102.0	102.3	102.2	101.5	100.8	97.5	94.6	93.1	93.1						139.0
		40000	83.1	96.4	99.2	99.5	99.0	96.3	98.5	93.9	92.3	90.0	90.0						136.5
		50000	77.0	92.9	94.1	94.8	95.9	94.7	95.0	89.2	89.0	85.2	85.2						135.0
		63000	75.6	86.0	86.7	87.4	89.7	87.8	87.9	82.2	82.6	78.7	78.7						132.0
		80000	81.5	83.8	82.8	83.4	83.9	83.3	83.7	80.9	83.7	81.2	81.2						128.7
OVERALL MEASURED																			129.4
OVERALL CALCULATED			111.0	114.5	116.8	117.9	117.5	116.2	114.3	111.6	109.3	107.3	107.3						129.4
PWL			122.0	125.0	126.4	130.0	129.7	128.2	125.5	122.9	120.3	117.2	117.2						140.2

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEC. F. 70 PERCENT REL. HUM. DAT)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20° (0.35)	30° (0.52)	40° (0.70)	50° (0.87)	60° (1.05)	70° (1.22)	80° (1.40)	90° (1.57)	100° (1.75)	110° (1.92)	0° (0)	0° (0)	0° (0)	0° (0)	0° (0)	0° (0)
SIDELINE 500. FT.	50	87.9	76.2	79.4	81.6	81.0	79.1	79.6	78.4	77.8	76.4						
	63	70.7	76.4	79.1	81.4	83.1	82.4	79.9	78.2	78.4	74.7						
	80	72.6	77.5	79.8	80.9	81.9	83.2	83.1	82.3	80.6	77.6						
(1152.40 M)	100	70.6	78.1	81.0	82.1	82.6	83.0	83.2	82.9	81.2	79.2						
NFA 2984. RPM	125	65.1	72.5	78.2	79.9	80.4	79.8	79.0	76.2	77.0	74.3						
(312. RAD/SEC)	160	60.3	68.3	72.6	74.4	74.7	74.8	74.6	73.7	72.0	69.6						
NFA 2910. RPM	200	60.0	66.7	72.3	75.1	76.2	76.2	74.9	73.5	72.1	69.9						
(305. RAD/SEC)	250	57.2	66.8	72.2	74.8	75.7	75.7	74.7	73.6	71.4	68.9						
NFA 3244. RPM	315	53.5	63.6	70.6	74.0	74.7	74.5	72.7	71.6	69.4	65.9						
(340. RAD/SEC)	400	52.6	62.6	70.8	74.5	74.9	74.5	72.7	71.4	69.7	65.2						
AIRFLOW RATIO	500	50.5	61.0	69.6	74.4	75.4	73.7	72.0	70.2	67.7	64.9						
(F/AN 12.60)	630	51.0	62.1	70.0	75.3	76.1	75.0	73.3	70.8	67.9	63.9						
	800	52.6	63.6	71.5	77.1	78.2	77.4	74.7	72.7	69.8	65.9						
VEHICLE UTMSH	1000	56.7	66.9	77.0	82.4	83.6	83.6	81.2	78.4	75.2	70.3						
CONFIG C+1	1250	57.4	67.9	76.4	80.9	82.6	82.1	79.3	75.3	72.6	68.2						
LDC SCHEMECTADY	1600	55.8	66.7	74.9	79.5	81.0	80.4	78.1	74.6	72.0	68.1						
DATE 7/22/75	2000	59.7	71.2	78.6	83.4	84.9	83.8	81.2	77.5	73.6	71.1						
NUM 45/6	2500	53.5	66.7	74.6	78.3	79.5	79.5	78.2	74.8	70.9	68.1						
TAPE	3150	50.8	60.6	75.1	78.9	80.7	80.9	79.3	75.9	71.5	68.9						
FAN TIP SPEED	4000	47.1	64.9	72.2	76.7	78.4	78.7	76.8	74.7	70.0	67.8						
(925. FT/SEC)	5000	44.9	61.9	70.0	74.6	76.2	76.4	76.5	72.7	69.7	66.2						
	6300	37.7	57.2	66.8	72.3	73.6	74.9	74.7	71.5	68.0	65.8						
	8000	29.4	51.7	62.3	68.3	70.8	71.9	72.0	69.1	65.7	63.5						
	10000	15.7	43.7	56.7	62.6	66.4	68.0	68.5	65.6	62.3	59.5						
OVERALL CALCULATED		77.7	84.7	89.3	92.5	93.7	93.4	92.1	90.2	88.0	85.5						
PNUB		83.5	92.3	99.6	103.9	105.4	104.9	103.5	100.5	97.0	94.4						

ORIGINAL PAGE IS OF POOR QUALITY.

SIDELINE 200. FT.	50	77.7	85.2	88.0	90.1	89.9	87.3	86.0	86.6	86.0	84.0						
	63	60.7	65.6	67.9	69.0	91.5	90.8	88.2	86.6	84.7	83.0						
	80	63.2	66.9	68.6	69.6	90.4	91.7	91.6	90.7	89.1	86.6						
(60.96 M)	100	61.3	67.6	69.2	91.0	91.4	91.6	91.6	91.4	89.8	87.9						
	125	76.1	82.4	87.5	88.9	89.3	88.6	87.7	86.9	85.7	83.0						
	160	71.6	76.5	82.2	83.6	83.7	83.7	83.4	82.6	80.9	78.5						
	200	71.0	79.1	82.1	84.5	85.4	85.2	83.9	82.5	81.1	78.9						
	250	69.1	77.4	82.2	84.4	85.0	84.9	83.6	82.7	80.5	78.1						
	315	65.8	74.6	80.8	83.6	84.2	83.8	81.9	80.8	78.7	75.2						
	400	65.3	73.6	81.2	84.4	84.6	84.0	82.2	80.8	78.1	74.7						
	500	63.5	73.2	80.3	84.5	85.2	83.4	81.6	79.8	77.2	74.6						
	630	64.5	74.0	80.9	85.6	86.1	84.8	83.0	80.5	77.6	73.8						
	800	66.8	76.3	82.7	87.7	88.5	87.4	84.7	82.6	79.8	75.9						
	1000	73.2	81.5	88.5	93.3	94.3	94.1	91.3	88.9	85.4	80.5						
	1250	72.5	80.9	88.3	92.1	93.6	92.6	89.7	87.7	83.2	79.1						
	1600	71.6	80.3	87.2	91.0	92.1	91.2	88.7	85.2	82.7	78.9						
	2000	76.4	85.4	91.4	95.3	96.4	95.0	92.2	88.4	84.7	82.3						
	2500	71.0	81.5	87.8	90.6	91.2	91.0	89.4	86.0	82.1	79.5						
	3150	69.7	82.5	89.0	91.8	93.0	92.8	91.0	87.6	83.2	80.6						
	4000	68.0	81.9	87.2	90.4	91.5	91.4	90.4	87.0	82.4	80.4						
	5000	66.9	79.7	85.5	88.9	89.7	89.5	89.3	85.4	81.5	79.3						
	6300	63.1	77.3	84.1	86.1	88.6	89.2	88.6	85.4	81.6	80.1						
	8000	59.7	75.3	82.5	86.5	87.7	88.0	87.8	84.7	81.4	79.7						
	10000	53.5	72.3	80.6	84.2	86.1	86.8	86.7	83.7	80.5	78.3						
OVERALL CALCULATED		88.8	95.7	100.4	103.4	104.3	103.8	102.3	100.0	97.5	95.1						
PNUB		96.9	106.6	112.7	116.0	117.0	116.5	114.9	111.9	108.4	105.9						



Run 45/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MUMIN 7 DAY 31 MR. 1960																
		MODEL SOUND PRESSURE LEVELS (50 DEG. F., 70 PERCENT REL. HUM., DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)	(2.47)	(2.65)	(2.83)	(3.01)	
RADIAL	17. FT.	100	95.8	97.8	89.0	87.3	88.8	90.0	91.5	91.8	92.0	90.0	90.0					126.0
VEHICLE	UTHSIM	125	99.8	99.3	96.0	96.0	95.3	95.8	95.5	94.5	94.3	94.3						128.0
CONFIG	C-1	150	99.0	100.8	101.0	100.5	99.0	98.0	97.8	96.3	95.5	94.3						132.0
LOC	SCHENECTADY	200	104.0	104.2	104.7	104.7	105.0	104.2	101.5	99.0	97.5	95.5						136.3
DATE	7/22/75	250	105.2	106.0	105.5	104.7	105.0	104.5	104.0	102.0	101.0	98.2						137.6
RUN	45/7	315	103.5	106.0	106.0	105.7	105.2	104.5	104.0	103.5	102.2	100.5						137.0
TAPE		400	99.8	102.0	103.5	103.7	103.2	102.3	100.3	99.8	98.2	95.7						135.0
BAR	29.7 HG	500	96.0	98.3	99.5	99.3	98.2	97.5	96.8	95.5	94.0	92.0						130.7
	100295. N/M2	630	95.5	98.8	99.8	100.0	99.5	98.8	97.0	95.5	94.3	92.5						131.3
TAMB	87. DEG F	800	93.8	96.8	98.8	99.8	99.2	98.1	97.0	95.3	94.0	91.8						130.8
	1304. DEG K	1000	91.3	94.3	97.7	98.2	97.7	96.8	95.3	93.5	91.7	89.2						129.2
TNET	71. DEG F	1250	90.3	93.6	98.0	99.5	99.0	97.3	95.8	93.6	91.8	88.8						128.0
	295. DEG K	1600	89.3	92.8	96.8	99.3	99.0	97.1	94.8	93.1	90.7	88.3						129.3
HACT	14.28 GM/M3	2000	89.5	93.1	96.8	100.5	100.2	98.6	95.8	93.7	91.7	88.3						130.4
	1.01428 KG/M3	2500	91.5	95.3	98.5	101.2	101.9	100.1	97.1	95.2	92.7	89.1						131.0
NFA	11780. RPM	3150	97.2	100.1	104.3	106.9	107.7	106.6	104.6	100.7	96.2	93.3						137.6
	(1233. RAD/SEC)	4000	100.1	103.0	106.4	108.8	109.6	108.3	106.1	101.9	99.0	94.5						139.7
NFK	11474. RPM	5000	98.8	102.0	105.6	107.2	107.7	106.0	102.8	99.4	96.3	92.4						137.7
	(1201. RAD/SEC)	6300	100.9	104.6	106.3	108.8	108.4	106.9	103.9	101.2	97.4	94.7						138.9
NFD	11517. RPM	8000	100.7	105.0	107.4	108.9	107.9	106.5	103.5	100.6	97.1	95.6						139.9
	(1206. RAD/SEC)	10000	97.5	105.2	107.7	108.1	108.6	107.5	105.7	102.6	99.1	96.8						139.7
NO. OF BLADES	18	12500	97.2	104.8	107.1	107.9	107.4	106.6	105.8	102.3	98.3	96.1						139.3
FAN TIP SPEED		16000	96.6	104.0	105.3	106.1	105.4	104.9	104.4	100.8	97.3	95.7						138.0
	1028. FT/SEC	20000	94.6	102.5	104.6	105.6	105.0	104.4	104.1	100.9	98.1	96.9						138.1
		25000	94.2	101.7	104.1	104.8	105.0	103.9	103.5	101.3	97.7	96.3						138.3
		31500	91.5	101.0	103.7	104.5	103.9	103.7	102.9	100.4	97.5	95.7						138.6
		40000	85.0	98.5	101.3	101.6	101.7	101.4	101.4	97.0	95.2	92.9						137.0
		50300	78.7	95.0	98.2	97.0	98.5	97.1	97.4	92.6	92.2	88.5						135.4
		63000	76.7	88.3	89.5	90.2	91.6	90.4	90.5	84.8	85.2	80.7						131.2
		80000	81.2	83.5	85.1	83.7	83.6	84.1	83.5	80.7	83.5	80.9						128.0
OVERALL MEASURED																		150.9
OVERALL CALCULATED		113.0	116.3	118.1	119.2	119.1	118.1	116.5	113.8	111.4	109.1							
PNUM		123.7	126.6	129.2	131.0	131.3	130.0	127.9	124.6	122.6	118.0							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (SP. DEC. F. 70 PERCENT REL. NUM. DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(10. )	
	50	69.2	75.2	78.1	79.4	79.1	78.9	79.0	77.7	76.8	75.1						
	63	73.7	78.4	81.6	83.4	84.9	84.9	82.6	80.2	78.6	76.2						
SIDELINE 500. FT.	80	74.3	79.7	82.0	83.1	84.8	84.9	84.9	83.0	81.9	78.7						
(152.40 M)	100	72.1	79.3	82.2	83.9	84.6	84.7	84.7	84.4	82.9	80.7						
NFA 3318. RPM	125	67.6	75.0	79.4	81.6	82.4	82.3	80.6	80.4	78.8	75.8						
( 347. RAD/SEC)	150	63.5	70.6	75.1	76.9	77.2	77.3	77.1	76.0	74.3	71.8						
NFK 3232. RPM	200	62.5	70.9	75.1	77.4	78.2	78.4	77.1	75.6	74.4	72.1						
( 338. RAD/SEC)	250	60.2	68.5	73.7	76.8	77.7	77.4	76.9	75.3	73.9	71.1						
NFD 3244. RPM	315	57.0	65.8	72.4	75.0	75.9	76.0	74.9	73.4	71.4	68.4						
( 340. RAD/SEC)	400	55.4	64.4	72.3	76.0	76.9	76.2	75.2	73.2	71.2	67.7						
AIRFLOW RATIO	500	55.7	63.1	70.6	75.4	76.6	75.7	73.8	72.5	69.9	66.9						
NF/AH 12.60	630	53.2	62.9	70.2	76.3	77.6	77.0	74.8	72.8	70.7	66.7						
	800	54.3	64.5	71.5	76.6	78.9	78.1	75.7	74.0	71.3	67.1						
VEHICLE UTWSIM	1000	59.2	68.6	76.7	81.9	84.3	84.3	82.9	79.2	76.5	71.0						
CONFIG C-1	1250	61.1	70.9	78.4	83.4	85.8	85.6	84.1	80.1	77.0	71.9						
LOC SCHEMECTAU	1600	58.5	68.9	76.9	81.2	83.5	82.9	80.3	77.1	73.6	69.8						
DATE 7/22/75	2000	59.2	70.7	76.9	82.2	83.7	83.3	80.9	76.5	74.5	71.1						
RUN 45/7	2500	57.7	70.2	77.3	81.8	82.7	82.5	80.2	77.6	73.9	71.0						
TAPE	3150	52.6	69.1	76.6	80.2	82.7	82.9	81.8	78.9	75.2	72.2						
FAN TIP SPEED	4000	49.1	66.6	74.4	78.7	80.4	81.0	80.9	77.7	73.5	70.5						
1028. FT/SEC	5000	46.9	64.9	71.9	76.3	77.9	78.9	79.2	75.9	72.2	69.7						
	6300	39.9	59.9	68.7	73.8	75.7	76.9	77.4	74.5	71.5	69.3						
	8000	31.4	53.9	64.3	69.8	73.0	73.6	74.5	72.5	68.6	66.2						
	10000	17.7	45.9	56.4	65.0	68.1	70.2	70.6	68.5	65.2	62.2						
OVERALL CALCULATED	79.6	86.3	90.6	93.7	95.2	95.2	94.0	91.9	89.8	86.9	83.6						
PMDB	62.1	63.9	100.9	105.0	106.7	106.9	105.8	103.2	100.0	96.8							

	50	79.0	84.2	86.8	87.8	87.4	87.1	87.3	85.9	85.0	83.3					
	63	83.7	87.6	90.4	92.0	93.3	93.3	90.9	89.6	86.9	84.5					
SIDELINE 200. FT.	80	84.7	89.2	91.0	91.8	93.2	93.4	93.3	91.5	90.3	87.2					
( 60.96 M)	100	82.6	89.0	91.4	92.6	93.4	93.4	93.3	92.9	91.5	89.4					
	125	78.6	84.9	86.8	90.7	91.3	91.1	89.5	89.1	87.5	84.5					
	160	74.8	81.0	84.7	86.1	86.2	86.2	85.9	84.8	83.1	80.7					
	200	74.1	81.3	84.8	86.7	87.4	87.4	86.1	84.7	83.3	81.2					
	250	72.1	79.2	83.7	86.4	87.0	86.6	85.0	84.4	83.0	80.3					
	315	69.3	76.5	82.5	84.8	85.4	85.3	84.2	82.6	80.7	77.7					
	400	68.1	75.6	82.7	85.9	86.6	85.7	84.7	82.6	80.6	77.2					
	500	66.8	74.7	81.3	85.5	86.5	85.4	83.3	82.0	79.5	76.6					
	630	66.7	74.7	81.1	86.6	87.6	86.8	84.5	82.5	80.4	76.5					
	800	68.3	76.8	82.7	87.2	89.2	88.2	85.7	83.9	81.3	77.2					
	1000	73.7	81.3	88.3	92.8	94.8	94.6	93.1	89.3	86.6	81.3					
	1250	76.2	83.9	90.3	94.6	96.8	96.1	94.4	90.4	87.9	82.4					
	1600	74.4	82.5	89.2	92.8	94.6	93.7	91.0	87.7	84.5	80.6					
	2000	75.9	84.9	89.7	94.1	95.1	94.5	91.9	89.4	85.5	82.3					
	2500	75.3	85.0	90.5	94.1	94.5	94.0	91.4	88.7	85.1	83.0					
	3150	71.4	84.8	90.5	93.1	95.0	94.8	93.5	90.6	86.9	84.1					
	4000	70.0	83.6	89.4	92.4	93.4	93.6	93.3	90.0	85.9	83.1					
	5000	65.9	82.7	87.5	90.6	91.4	92.0	92.0	88.6	84.9	82.8					
	6300	65.3	80.0	86.1	89.6	90.6	91.1	91.4	88.3	85.4	83.6					
	8000	61.9	77.5	84.4	87.9	89.9	90.0	90.2	86.2	84.4	82.4					
	10000	55.4	74.4	82.3	86.3	87.8	89.0	88.9	86.6	83.5	81.0					
OVERALL CALCULATED	90.7	97.3	101.7	104.6	105.8	105.6	104.4	102.0	99.6	96.6	93.6					
PMDB	96.7	106.6	114.2	117.2	118.6	118.4	117.2	114.5	111.4	108.5						

## Run 46/Reading 1

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH . DAY . HR. . IS. 0																
		MODEL SOUND PRESSURE LEVELS (50. DEG. F., 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.	(0.	(10.	110.)
	50																	
	63																	
	80																	
RADIAL 17. FT.	100	89.0	87.6	83.1	84.3	86.3	88.0	89.3	89.6	89.5	88.6							121.7
( 5. M)																		
VEHICLE UTWSIM	125	96.0	94.6	94.6	93.8	92.8	93.8	94.0	93.8	95.0	95.1							127.9
CONFIG HDWALL	160	91.0	92.9	94.6	93.8	91.8	92.0	92.5	91.1	90.5	90.8							125.8
LOC SCHENECTADY	200	90.8	90.9	90.8	92.3	93.8	93.8	91.8	89.3	87.5	86.6							124.0
DATE 7/23/75	250	96.8	95.6	93.6	92.8	92.7	94.5	94.7	93.8	93.0	90.0							127.4
RUN 46/1	315	95.0	97.1	95.3	93.3	91.7	92.0	92.3	92.0	91.3	90.1							126.0
TAPE	400	86.8	89.1	90.6	90.3	89.5	87.8	85.8	85.6	85.0	83.1							121.3
BAR 29.8 HG	500	82.8	85.9	85.6	84.3	83.0	82.6	81.0	80.3	79.5	77.3							118.1
(00468. N/H2)	630	83.8	87.4	87.3	87.3	85.5	83.8	81.8	79.8	78.8	76.6							117.7
TAHB 79. DEG F	800	80.6	88.1	89.3	89.0	88.0	86.1	83.8	81.6	79.8	76.8							119.4
(299. DEG K)	1000	78.6	87.4	90.3	89.5	87.7	85.6	83.0	81.1	80.5	75.6							119.4
TNET 70. DEG F	1250	80.6	87.9	90.6	90.3	89.2	86.9	84.6	82.1	79.8	76.6							120.3
(294. DEG K)	1500	80.3	88.0	91.9	91.8	89.7	87.6	84.9	82.7	84.0	76.6							121.3
HACT15.73 GH/M3	2000	86.6	93.7	97.4	99.3	98.5	95.4	92.6	89.7	86.3	82.6							128.5
(.01573 KG/M3)	2500	88.3	95.0	98.4	99.2	98.4	95.9	92.6	89.7	86.5	83.1							128.8
NFA 7088. RPM	3150	86.5	93.4	96.1	98.5	96.9	93.9	90.6	87.5	84.2	80.9							127.2
( 742. RAD/SEC)	4000	94.2	100.4	105.0	107.6	102.8	99.1	95.1	92.9	88.6	87.5							134.8
NFK 6955. RPM	5000	90.8	96.8	100.4	102.0	99.0	96.0	92.5	88.9	85.8	83.5							130.3
( 728. RAD/SEC)	6300	88.6	95.7	98.4	100.0	99.4	97.9	96.8	91.7	89.7	85.5							130.3
NFD 11517. RPM	8000	88.2	95.9	97.9	99.2	97.7	96.3	92.2	88.1	85.4	82.6							128.8
(1206. RAD/SEC)	10000	88.3	96.8	99.2	99.4	98.3	96.5	93.4	89.1	84.6	82.6							129.8
NO. OF BLADES 18	12500	87.4	95.1	97.6	98.1	97.1	94.8	92.5	87.8	83.6	81.1							128.4
FAN TIP SPEED	16000	85.5	93.5	95.0	95.5	94.3	92.8	90.8	85.0	80.8	78.9							126.3
619. FT/SEC	20000	84.6	91.2	93.5	95.0	93.0	91.6	89.4	84.2	80.5	77.5							125.0
	25000	83.5	89.1	91.7	92.1	91.0	88.9	87.5	82.8	77.9	76.3							124.0
	31500	81.2	87.2	89.9	90.4	89.0	87.6	85.6	80.8	77.2	74.4							123.1
	40000	76.8	84.4	85.6	86.3	85.7	83.7	82.9	77.8	74.7	71.7							120.0
	50000	72.9	80.1	80.7	80.8	82.0	79.6	79.4	73.4	72.2	68.1							118.4
	63000	72.2	73.8	73.8	73.9	75.5	73.1	72.7	67.8	68.9	65.7							114.8
	80000	72.8	72.7	71.2	71.8	72.2	71.6	72.0	69.3	72.1	69.5							117.0
OVERALL MEASURED																		
OVERALL CALCULATED		104.1	108.1	110.6	112.0	109.7	107.7	105.6	103.1	101.7	100.3							141.5
PNDH		115.8	121.4	124.8	126.5	123.4	120.7	117.7	115.3	112.4	110.4							

## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT REL. HUM. DAT)

	ANGLES FROM INLET IN DEGREES (AND RADIAN)														
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.				
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)	(2.47)	(2.65)	(2.83)
SIDELINE 500. FT.	50	61.2	67.4	71.7	72.7	71.8	72.9	73.8	72.5	71.8	71.7				
(152.40 M)	63	60.4	65.0	67.7	70.9	73.6	74.4	72.9	70.5	68.6	67.2				
NFA 1996. RPM	80	65.9	69.3	70.1	71.2	72.4	75.0	75.6	74.8	73.9	71.2				
( 209. RAD/SEC)	100	63.6	70.5	71.6	71.4	71.2	72.3	73.0	72.9	72.0	70.3				
NFK 1959. RPM	125	54.9	62.1	66.5	68.2	68.7	67.8	66.3	66.2	65.6	63.1				
( 205. RAD/SEC)	160	50.3	58.4	61.2	61.9	61.9	62.4	61.3	60.8	59.8	57.1				
NFD 3244. RPM	200	50.8	59.6	62.6	64.6	64.2	63.4	61.9	60.1	58.9	56.2				
( 340. RAD/SEC)	250	47.0	59.9	64.3	66.1	66.5	65.5	63.7	61.6	59.7	56.2				
AIRFLOW RATIO	315	44.3	58.7	64.9	66.3	66.0	64.7	62.7	60.9	60.2	54.7				
WF/WM 12.60	400	45.7	58.7	64.8	66.7	67.2	65.8	64.0	61.7	59.2	55.5				
VEHICLE CONFIG	500	44.8	58.3	65.7	67.9	67.4	66.3	64.0	62.0	63.2	55.2				
LOC DATE 7/23/75	630	50.2	63.5	70.8	75.1	75.8	73.7	71.5	68.8	65.2	61.0				
RUH 46/1	800	51.1	64.1	71.3	74.6	75.4	73.9	71.2	68.5	65.1	61.2				
FAN TIP SPEED	1000	48.5	62.0	68.6	73.4	73.6	71.6	68.9	66.0	62.5	58.6				
619. FT/SEC	1250	55.1	68.2	76.9	82.2	79.1	76.4	73.0	71.1	66.6	64.9				
OVERALL CALCULATED	1600	50.5	63.8	71.7	76.0	74.7	72.9	70.1	66.6	63.3	60.4				
PND6	2000	47.0	61.8	68.9	73.4	74.7	74.4	73.9	69.0	66.8	61.9				
	2500	45.2	61.1	67.9	72.1	72.5	72.3	68.9	65.1	62.1	58.6				
	3150	43.3	60.7	68.1	71.4	72.4	71.9	69.5	65.4	60.7	57.9				
	4000	39.3	56.9	64.9	68.9	70.1	69.2	67.6	63.2	58.7	55.5				
	5000	35.8	54.4	61.6	65.7	66.8	66.8	65.6	60.1	55.6	52.9				
	6300	29.8	48.6	57.6	63.1	63.8	64.0	62.7	57.8	53.8	49.9				
	8000	20.7	41.3	51.9	57.1	59.0	58.9	58.5	54.1	48.9	46.3				
	10000	7.3	32.1	44.6	50.9	53.2	52.1	53.3	48.9	44.9	40.9				
OVERALL CALCULATED		70.1	77.4	82.7	86.5	85.9	85.1	83.7	81.7	79.9	77.7				
PND6		71.7	85.5	92.5	96.7	96.6	95.9	94.4	90.5	87.8	83.9				

ORIGINAL PAGE IS  
OF POOR QUALITY

SIDELINE 200. FT.	50	71.0	76.4	80.3	81.1	80.1	81.1	82.0	80.7	80.0	79.9				
( 60.96 M)	63	70.5	74.2	76.5	79.5	82.1	82.8	81.2	78.9	77.0	75.6				
	80	76.3	78.8	79.1	79.9	81.0	83.5	84.1	83.3	82.4	79.7				
	100	74.3	80.2	80.7	80.3	79.9	80.9	81.5	81.5	80.6	78.9				
	125	65.9	72.0	75.9	77.2	77.6	76.6	75.0	74.9	74.3	71.9				
	160	61.6	68.6	70.8	71.1	71.0	71.3	70.2	69.6	68.7	66.0				
	200	62.4	70.0	72.4	74.0	73.4	72.5	70.9	69.0	67.9	65.2				
	250	58.9	70.6	74.3	75.7	75.8	74.7	72.8	70.7	68.8	65.4				
	315	56.6	69.6	75.1	76.1	75.4	74.1	72.0	70.1	69.4	64.0				
	400	58.4	70.0	75.3	76.7	76.8	75.2	73.4	71.1	68.6	65.0				
	500	57.8	69.8	76.4	78.1	77.2	75.9	73.6	71.6	72.8	64.9				
	630	63.8	75.4	81.7	85.4	85.9	83.6	81.3	78.5	74.9	70.8				
	800	65.1	76.4	82.5	85.3	85.7	84.0	81.2	78.4	75.0	71.2				
	1000	63.0	74.6	80.1	84.3	84.0	81.8	79.1	76.1	72.7	68.8				
	1250	70.3	81.3	88.8	93.3	89.8	86.9	83.4	81.4	77.0	75.4				
	1600	66.4	77.4	84.0	87.5	85.8	83.7	80.7	77.2	74.0	71.2				
	2000	63.7	76.0	81.7	85.4	86.1	85.5	84.9	79.9	77.8	73.1				
	2500	62.8	75.9	81.1	84.4	84.2	83.7	80.2	76.3	73.4	70.0				
	3150	62.2	76.3	82.0	84.3	84.7	83.6	81.2	77.1	72.4	69.8				
	4000	60.2	73.9	79.9	82.6	83.1	81.8	80.0	75.5	71.1	68.1				
	5000	57.8	72.2	77.2	80.0	80.3	79.9	78.4	72.8	68.4	66.0				
	6300	55.1	68.7	75.0	78.9	78.7	78.2	76.7	71.7	67.8	64.2				
	8000	51.2	64.9	72.0	75.2	75.9	75.0	74.2	69.7	64.6	62.4				
	10000	45.0	60.7	68.5	72.3	72.9	72.9	71.5	67.0	63.1	59.6				
OVERALL CALCULATED		81.3	89.0	94.2	97.5	96.6	95.3	93.6	91.1	89.1	86.8				
PND6		87.8	100.2	105.8	107.6	108.5	107.5	105.5	101.7	98.9	95.2				

## Run 46/Reading 2

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH & DAY 4 MR. 19.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
FREQ. (0.35)(0.52)(0.70)(0.87)(1.05)(1.22)(1.40)(1.57)(1.75)(1.92)(2.10)(2.28)(2.46)(2.64)(2.82)(3.00)		PWL																
RADIAL 17. FT.																		
(5. M)																		
VEHICLE UTRSIM		125	95.8	95.3	95.5	95.3	94.5	95.5	95.0	94.3	93.5	93.8						122.8
CONFIG HDWALL		160	96.5	98.8	100.8	100.5	98.3	98.3	98.5	97.0	97.0	96.8						128.4
LOC SCHENECTADY		200	95.2	96.2	96.2	96.7	97.5	97.0	94.7	92.2	91.0	89.8						132.0
DATE 7/23/75		250	101.5	101.2	99.5	98.5	98.5	99.2	99.0	98.5	97.5	94.0						128.8
RUM 46/2		315	99.0	101.2	100.7	99.5	98.2	98.3	98.0	97.5	96.5	90.1						132.4
TAPE		400	93.0	95.8	97.2	97.7	97.0	95.5	93.3	92.5	91.8	89.8						132.1
BAR 29.8 HG		50'	89.5	92.3	93.0	91.8	90.2	89.8	88.8	87.8	86.5	84.6						128.5
(00468. N/M2)		630	89.0	93.3	92.8	93.3	92.2	91.3	89.5	88.0	86.3	84.6						123.4
TAMB 83. DEG F		800	86.5	91.0	93.5	93.8	93.2	92.1	90.3	88.5	86.3	84.3						124.2
(301. DEG K)		1000	84.8	89.0	93.0	93.7	92.5	90.6	89.0	87.0	84.5	81.8						124.6
TRET 71. DEG F		1250	84.5	88.8	94.5	95.3	93.5	91.3	89.1	87.8	84.5	81.3						123.6
(295. DEG K)		1600	83.5	88.8	94.3	96.3	94.7	92.1	89.6	87.9	85.3	81.9						124.6
HACT 15.44 GH/M3		2000	84.0	90.1	94.5	97.5	96.5	93.9	91.4	89.2	86.0	82.1						129.3
(01544 KG/M3)		2500	91.3	98.3	102.5	105.2	103.4	102.6	98.6	96.7	93.0	88.9						126.8
NFA 8847. RPM		3150	91.0	97.3	101.5	104.7	103.6	101.6	98.6	95.4	92.7	88.4						134.3
( 926. RAD/SEC)		4000	91.4	97.2	100.7	103.8	103.0	100.0	97.1	93.6	91.1	87.5						133.8
NFK 8649. RPM		5000	96.6	102.4	106.1	108.7	107.2	105.0	100.5	96.6	94.6	91.2						132.9
( 906. RAD/SEC)		6300	92.6	98.9	102.8	104.3	103.2	101.4	98.1	94.4	91.0	89.0						137.5
NFD 11517. RPM		8000	93.1	99.7	103.4	104.9	104.7	103.0	100.2	96.6	92.7	89.8						133.8
(1206. RAD/SEC)		10000	92.5	99.9	103.7	105.3	104.8	102.7	100.4	97.1	92.9	89.8						135.1
NO. OF BLADES 18		12500	93.2	99.5	103.0	104.3	103.9	101.6	100.2	96.3	91.6	88.9						135.5
FAN TIP SPEED		16000	93.2	98.2	100.7	101.5	100.8	99.6	98.3	93.3	89.3	87.2						134.9
772. FT/SEC		20000	92.1	96.4	99.0	100.0	99.8	98.6	97.5	92.5	89.1	86.8						132.7
		25000	92.3	95.0	98.0	98.9	98.3	97.0	95.4	91.6	88.3	86.2						132.0
		31500	90.8	94.0	96.7	97.5	95.9	95.2	93.4	89.9	87.8	84.0						131.3
		40000	90.1	89.6	92.2	93.0	93.1	91.8	90.5	86.1	85.1	80.8						130.5
		50000	84.4	85.9	87.7	88.0	89.2	87.8	87.3	81.8	84.7	75.8						128.3
		63000	81.0	80.6	80.8	81.0	83.4	81.4	81.5	76.6	79.3	69.3						128.1
		80000	80.5	82.6	81.6	82.2	82.7	82.1	82.5	79.7	76.6	70.0						122.8
OVERALL MEASURED																		127.3
OVERALL CALCULATED		108.1	111.6	114.2	115.8	114.9	113.3	111.0	108.3	106.3	104.3						146.2	
PNDR		118.4	123.5	129.7	128.8	127.6	125.7	122.4	119.5	117.3	114.4							

Run 46/Reading 2

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PRG. DATE - MONTH & DAY & HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM. DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.44)	(2.62)	(2.79)	
	50	66.7	73.2	77.9	79.4	78.3	79.1	79.8	78.4	78.3	77.7						
	63	64.9	70.4	73.1	75.4	77.4	77.7	75.9	73.5	72.1	70.3						
SIDELINE 500. FT.	80	70.6	75.0	76.0	76.9	78.1	79.7	79.9	79.5	78.4	75.2						
(152.40 M)	100	67.6	74.6	77.0	77.6	77.6	78.5	78.7	78.4	77.5	76.3						
NFA 2492. RPM	125	61.1	68.7	73.2	75.6	76.2	75.6	73.8	73.2	72.3	69.8						
( 261. RAD/SEC)	160	57.0	64.8	68.6	69.4	69.2	69.6	69.1	68.2	66.8	64.4						
NFK 2436. RPM	200	56.0	65.4	68.1	70.6	71.0	70.9	69.6	68.3	66.2	64.2						
( 255. RAD/SEC)	250	52.9	62.8	68.5	70.8	71.7	71.4	70.2	68.6	66.2	63.7						
NFD 3244. RPM	315	50.5	60.3	67.6	70.5	70.7	69.7	68.7	66.9	64.2	61.0						
( 340. RAD/SEC)	400	49.6	59.6	68.8	71.7	71.4	70.2	68.5	67.4	64.0	60.2						
AIRFLOW RATIO	500	48.0	59.1	68.1	72.4	72.4	70.7	68.8	67.2	64.5	60.5						
WF/W 12.60	630	47.7	59.9	68.0	73.3	73.8	72.2	70.3	68.3	64.9	60.5						
	800	54.1	67.5	75.5	80.6	80.4	80.6	77.2	75.5	71.6	66.9						
VEHICLE UT+SIM	1000	52.9	65.9	74.0	79.7	80.3	79.3	76.9	73.9	71.0	66.1						
CONFIG HD+ALL	1250	52.4	65.1	72.6	78.4	79.3	77.4	75.0	71.8	69.1	64.9						
LOC SCHENECTADY	1600	56.2	69.4	77.4	82.7	83.0	81.8	78.1	74.3	72.1	68.1						
DATE 7/23/75	2000	51.0	64.9	73.4	77.6	78.4	77.6	75.2	71.7	68.0	65.4						
RUN 46/2	2500	50.2	65.0	73.3	77.8	79.5	79.0	76.9	73.5	69.4	65.9						
TAPE	3150	47.5	63.8	72.6	77.4	78.9	78.1	76.5	73.4	69.0	65.2						
FAN TIP SPEED	4000	45.1	61.3	70.4	75.1	76.8	76.2	75.4	71.7	66.7	63.3						
772. FT/SEC	5000	43.6	59.0	67.4	71.7	73.4	73.6	73.1	68.3	64.1	61.2						
	6300	37.3	53.6	63.1	68.2	70.6	71.0	70.8	66.1	62.4	59.2						
	8000	29.5	47.2	58.1	63.9	66.3	66.9	66.3	62.9	59.2	56.1						
	10000	16.9	38.9	51.4	58.0	60.1	61.7	61.1	58.0	55.5	50.5						
OVERALL CALCULATED		74.4	81.6	86.6	90.2	90.8	90.5	89.0	87.0	85.3	83.0						
PND8		76.4	89.1	96.8	101.4	102.5	101.9	100.3	97.4	93.8	90.3						

	50	76.5	82.2	86.5	87.8	86.6	87.3	88.0	86.6	86.5	85.9					
	63	75.0	79.6	81.9	84.0	85.8	86.0	84.2	81.8	80.5	78.8					
SIDELINE 200. FT.	80	81.0	84.4	85.0	85.6	86.7	86.2	86.3	86.0	86.9	83.7					
( 60.96 M)	100	78.3	84.3	85.2	86.5	86.4	87.1	87.3	86.9	86.1	84.9					
	125	72.1	78.6	82.5	84.7	85.0	84.3	82.5	81.9	81.0	78.6					
	160	68.3	75.0	78.2	78.6	78.2	78.5	77.9	77.1	75.7	73.3					
	200	67.6	75.8	77.8	80.0	80.1	79.9	78.6	77.2	75.4	73.2					
	250	64.9	73.4	78.4	80.4	81.0	80.6	79.3	77.7	75.3	72.9					
	315	62.4	71.3	77.6	80.3	80.2	79.0	77.9	76.1	73.4	70.3					
	400	62.3	70.8	79.2	81.7	81.1	79.7	77.9	76.8	73.4	69.7					
	500	61.0	70.7	78.6	82.5	82.2	80.4	78.3	76.8	74.0	70.2					
	630	61.2	71.7	78.9	83.6	83.9	82.0	80.0	78.0	74.7	70.3					
	800	68.1	79.7	86.7	91.2	90.7	90.7	87.2	85.4	81.6	77.0					
	1000	67.5	78.5	85.5	90.5	90.8	89.6	87.1	84.0	81.2	76.3					
	1250	67.5	78.2	84.5	89.6	90.1	87.9	85.4	82.1	79.5	75.4					
	1600	72.1	83.0	89.7	94.3	94.1	92.7	88.7	84.9	82.7	78.9					
	2000	67.7	79.1	86.1	89.8	89.9	89.0	86.2	82.7	79.0	76.6					
	2500	67.8	79.7	86.5	90.1	91.2	90.4	88.2	84.7	80.6	77.3					
	3150	66.4	79.5	86.5	90.3	91.2	90.0	88.2	85.0	80.7	77.1					
	4000	65.9	78.3	85.3	89.9	89.9	88.8	87.8	84.0	79.1	75.9					
	5000	65.6	76.8	82.9	86.0	86.9	86.6	85.9	81.0	76.0	74.2					
	6300	62.7	73.9	80.5	84.0	85.5	85.3	84.7	80.0	76.3	73.5					
	8000	60.0	70.9	78.2	82.0	83.2	83.0	82.1	78.5	75.0	72.2					
	10000	54.6	67.4	75.3	79.3	79.8	80.4	79.4	76.1	73.7	69.3					
OVERALL CALCULATED		85.6	92.7	97.8	101.3	101.7	100.9	99.1	96.7	94.6	92.2					
PND8		92.7	103.7	110.2	117.8	114.4	113.5	112.8	108.7	105.2	101.9					



FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. P, 70 PERCENT REL. HUM. VAV)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)																
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(10.)	(20.)	(30.)	(40.)	(50.)	(60.)
SIDELINE 500. FT.	50	66.4	74.0	78.4	80.4	78.8	79.6	79.5	78.4	78.0	76.4						
(152.40 M)	63	66.7	71.6	74.3	76.6	78.4	78.7	76.9	74.5	72.9	71.4						
NFA 2656. RPM	80	71.3	76.0	77.8	78.4	79.1	80.2	80.4	79.5	77.9	75.2						
( 278. RAD/SEC)	100	68.9	76.3	78.2	79.6	79.4	79.7	80.5	79.9	78.2	77.0						
NFK 2596. RPM	125	62.3	69.7	74.4	77.1	77.4	76.8	75.5	74.9	74.5	71.0						
( 272. RAD/SEC)	160	57.3	65.8	69.9	71.6	71.4	71.1	70.3	70.0	68.8	66.3						
NFD 3244. RPM	200	57.7	66.2	70.1	72.1	73.0	72.4	71.1	69.3	68.4	65.4						
( 340. RAD/SEC)	250	54.9	63.8	69.5	72.6	73.0	72.4	71.7	70.1	67.9	65.4						
AIRFLOW RATIO	315	52.8	61.8	69.1	71.8	72.4	71.5	70.4	68.6	65.9	62.6						
WF/WH 12.60	400	50.1	61.4	69.3	72.7	72.7	71.7	70.2	68.7	65.9	62.4						
VEHICLE UTMSH	500	48.5	60.4	68.9	73.6	73.9	72.0	70.3	68.2	65.9	62.2						
CONFIG HDHALL	630	55.2	66.4	74.5	79.0	80.8	80.0	77.8	75.5	72.1	68.9						
LOC SCHENECTADY	800	56.8	68.5	76.2	81.6	83.7	82.6	80.3	77.8	74.3	68.6						
DATE 7/23/75	1000	54.9	67.3	74.9	79.9	81.5	79.8	77.4	74.2	70.9	67.0						
RUN 46/3	1250	54.6	68.1	75.6	80.1	81.8	80.8	78.3	75.1	71.5	67.8						
TAPE	1600	55.1	69.1	76.4	80.8	82.0	81.9	78.2	75.2	71.3	68.2						
FAN TIP SPEED	2000	52.3	66.9	74.5	78.9	80.5	80.5	77.9	74.7	71.1	67.3						
823. FT/SEC	2500	51.2	67.8	75.5	79.6	81.5	81.2	79.5	76.4	71.9	68.2						
OVERALL CALCULATED	3150	48.9	66.5	73.9	78.1	79.6	79.9	79.0	75.8	70.8	67.2						
PND8	4000	44.8	62.8	69.9	74.6	76.4	76.8	75.8	71.5	67.7	64.6						
	5000	41.7	60.4	68.8	73.2	75.1	75.3	74.7	70.5	67.5	64.5						
	6300	36.6	55.8	64.4	69.7	72.5	72.0	72.1	68.3	65.9	62.4						
	8000	26.7	49.3	59.7	65.6	67.8	68.8	68.5	65.1	62.9	57.8						
	10000	11.6	38.6	51.0	57.4	61.1	61.4	62.4	58.6	57.6	51.9						
		75.6	82.9	87.7	91.2	92.4	92.0	90.6	88.5	86.2	83.5						
		76.9	91.1	98.4	102.5	104.1	103.8	102.4	99.5	95.8	92.1						

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT.	50	76.2	83.0	87.0	88.8	87.1	87.8	87.8	86.6	86.3	84.6						
( 60.96 M)	63	76.7	80.8	83.1	85.2	86.8	87.0	85.2	82.8	81.2	79.8						
	80	81.7	85.4	86.8	87.1	87.7	86.7	88.8	88.0	85.3	83.7						
	100	79.5	86.0	87.4	88.5	88.1	88.4	89.0	88.4	86.8	85.6						
	125	73.3	79.6	83.8	86.2	86.3	85.6	84.2	83.6	83.2	79.8						
	160	69.1	76.0	79.4	80.8	80.5	80.0	79.2	78.8	77.6	75.2						
	200	69.3	76.6	79.8	81.5	82.1	81.4	80.1	78.2	77.3	74.4						
	250	66.9	74.4	79.4	82.1	82.3	81.6	80.8	79.2	77.0	74.6						
	315	65.1	72.8	79.3	81.5	81.9	80.8	79.7	77.8	75.2	72.0						
	400	62.8	72.6	79.7	82.7	82.3	81.2	79.6	78.1	75.3	71.9						
	500	61.5	71.9	79.5	83.8	83.7	81.6	79.8	77.8	75.5	71.8						
	630	68.7	78.2	85.4	89.4	90.8	89.8	87.5	85.3	81.9	76.8						
	800	70.8	80.8	87.5	92.2	93.9	92.7	90.2	87.7	84.2	78.7						
	1000	69.4	80.0	86.5	90.7	92.0	90.0	87.6	84.3	81.1	77.3						
	1250	69.7	81.2	87.5	91.2	92.5	91.3	88.6	85.4	81.9	78.3						
	1600	71.0	82.8	88.7	92.3	93.1	92.7	88.8	85.8	81.9	79.0						
	2000	69.1	81.1	87.3	90.8	91.9	91.6	88.9	85.7	82.0	78.4						
	2500	68.8	82.6	88.7	91.9	93.3	92.6	90.8	87.6	83.2	79.6						
	3150	67.7	82.2	87.8	91.0	91.9	91.8	90.7	87.4	82.5	79.1						
	4000	65.6	79.9	84.8	88.4	89.4	89.4	88.2	83.6	80.1	77.2						
	5000	63.7	78.2	84.4	87.5	88.6	88.3	87.5	83.2	80.3	77.5						
	6300	62.0	76.0	81.8	85.5	87.3	86.3	86.0	82.2	79.9	76.7						
	8000	57.2	73.0	79.9	83.7	84.7	84.9	84.3	80.7	78.6	73.9						
	10000	49.3	67.2	75.0	78.7	80.9	80.2	80.6	76.7	75.9	70.6						
OVERALL CALCULATED		86.6	94.2	99.0	102.2	103.1	102.5	100.9	98.3	95.8	92.9						
PND8		93.5	105.8	111.4	114.7	115.8	115.2	113.9	110.8	107.1	103.7						



Run 46/Reading 4

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PRG. DATE = MONTH & DAY & HR. 15.0																
		MODEL SOUND PRESSURE LEVELS (90. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PdL
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	10.	10.	10.	10.	10.	10.	
		50	63	80	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	
RADIAL 17. FT.	( 5. M)	100	93.5	89.8	85.8	86.3	88.0	89.5	90.3	91.0	90.5	89.5						123.3
VEHICLE	UTHSIM	125	96.3	95.0	95.8	95.5	95.5	95.5	95.8	94.3	94.3	93.5						126.7
CONFIG	HDWALL	160	96.8	100.8	102.5	102.0	100.3	98.5	98.5	96.5	96.0	95.0						132.8
LCC	SCHENECTADY	200	98.0	98.5	98.7	99.5	100.0	98.7	96.7	94.2	92.7	91.7						131.0
DATE	7/23/75	250	103.2	103.0	102.0	101.0	100.5	101.0	101.0	99.7	98.5	95.7						134.2
RUN	46/4	315	101.0	103.2	103.0	102.5	101.2	100.8	100.5	99.7	99.0	97.7						134.5
TAPE		400	95.5	97.0	99.5	100.5	99.5	98.3	96.0	95.5	94.2	92.2						131.1
BAR	29.8 HG	500	90.8	94.3	95.3	94.8	93.7	92.5	92.0	90.5	89.2	87.5						126.1
	(00468. N/M2)	630	91.3	94.5	95.8	95.8	95.0	94.1	92.5	91.0	89.8	87.8						126.9
TAMB	83. DEG F	800	88.5	93.0	95.5	96.5	95.2	94.3	92.8	91.0	89.2	87.3						126.0
	(301. DEG K)	1000	86.8	91.3	95.0	95.7	94.7	93.8	91.5	89.8	87.2	84.7						126.0
THEY	71. DEG F	1250	85.3	90.6	95.8	97.0	96.0	94.1	92.1	90.1	87.3	84.8						126.0
	(255. DEG K)	1600	85.0	90.6	95.8	98.0	96.7	95.4	91.9	89.9	87.7	84.8						127.4
HACT	15.44 GH/M3	2000	85.3	91.3	95.5	98.7	98.2	96.1	93.9	91.7	88.5	85.6						128.3
	(.01544 KG/M3)	2500	90.3	96.6	99.8	102.5	102.4	101.1	98.4	94.7	92.2	88.3						132.6
NFA	9760. RPM	3150	95.0	100.8	104.3	107.2	107.6	106.6	103.9	100.2	97.9	93.3						137.7
	(1024. RAD/SEC)	4000	93.9	99.2	103.4	105.8	105.8	102.8	100.1	96.4	93.6	90.2						135.4
NFK	9561. RPM	5000	94.3	99.7	103.1	105.5	105.2	103.2	100.5	97.1	94.3	91.2						135.4
	(1001. RAD/SEC)	6300	96.6	103.4	106.8	108.8	108.2	106.4	102.8	98.9	95.4	92.7						130.5
NFD	11517. RPM	8000	93.6	100.7	103.9	105.7	105.7	104.5	102.0	98.1	94.6	91.8						136.2
	(1206. RAD/SEC)	10000	94.8	102.7	106.2	107.8	107.1	105.5	104.2	100.1	95.8	93.5						136.2
NO. OF BLADES	18	12500	94.9	103.0	105.5	106.8	106.4	105.0	104.2	100.3	95.5	93.1						137.0
FAN TIP SPEED	16000	16000	93.2	100.7	103.2	105.2	104.3	103.1	102.0	97.3	93.3	91.6						130.1
	854. FT/SEC	20000	91.6	99.9	102.5	104.0	103.1	101.8	101.0	96.5	93.5	91.8						135.5
		25000	91.6	98.3	101.5	102.4	102.1	100.2	99.4	95.8	92.5	91.1						134.8
		31500	88.3	97.5	100.2	100.7	100.4	100.2	98.2	94.7	91.5	89.5						132.2
		40000	83.4	93.9	96.5	97.0	96.8	95.6	95.0	93.6	88.8	86.0						129.7
		50000	80.1	89.4	91.4	91.7	93.2	91.1	91.8	85.8	85.6	81.8						125.3
		63000	77.5	82.6	83.8	84.2	86.1	84.2	84.0	78.6	80.7	76.0						128.2
		80000	80.3	82.6	81.6	82.2	82.7	82.1	82.5	79.7	82.5	80.0						116.8
OVERALL MEASURED																		126.2
OVERALL CALCULATED		109.4	113.5	116.0	117.5	117.1	115.7	113.9	110.7	108.3	106.2							140.5
PNDB		119.2	124.4	127.4	129.3	129.3	128.0	125.6	122.5	120.2	116.6							

Run 46/Reading 4

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 HR. 15.8

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
	50	66.9	75.2	79.6	80.9	80.3	79.4	79.8	77.9	77.3	76.6	
	63	67.7	72.6	75.6	78.1	79.9	79.4	77.9	75.5	73.9	72.4	
SIDELINE 500. FT.	80	72.3	76.7	78.5	79.4	80.1	81.4	81.9	80.8	79.4	76.2	
(152.40 M)	100	69.6	76.6	79.2	80.6	80.6	81.0	81.2	80.6	79.7	78.0	
NFA 2755. RPM	125	63.6	70.0	75.4	78.4	78.7	78.3	76.5	76.2	74.8	72.8	
(268. RAD/SEC)	160	58.3	66.8	70.9	72.4	72.7	72.3	72.3	71.0	69.5	67.3	
NFK 2693. RPM	200	58.2	66.7	71.1	73.1	73.7	73.7	72.6	71.3	69.9	67.4	
(282. RAD/SEC)	250	54.9	64.8	70.5	73.6	73.7	73.7	72.7	71.1	69.1	66.6	
NFD 3244. RPM	315	52.5	62.6	69.6	72.5	72.9	73.0	71.2	69.6	66.9	63.9	
(340. RAD/SEC)	400	51.4	61.4	70.0	73.5	73.9	73.0	71.5	69.7	66.7	63.7	
AIRFLOW RATIO	500	49.5	60.9	69.6	74.1	74.4	74.0	71.0	69.2	66.9	63.2	
WF/M 12.60	630	54.0	66.4	73.2	78.3	79.8	79.5	77.3	73.8	71.1	66.7	
	800	57.8	70.0	77.2	82.6	84.7	84.6	82.5	79.0	76.6	71.4	
VEHICLE UTHSIM	1000	55.9	67.8	75.9	80.9	82.5	80.5	78.4	74.9	71.9	68.0	
CONFIG MDHALL	1250	55.3	67.6	75.1	80.1	81.5	80.6	78.5	75.3	72.3	68.6	
LOC SCHENECTADY	1600	56.4	70.4	78.1	82.8	84.0	83.4	80.2	76.7	73.0	69.7	
DATE 7/23/75	2000	52.1	66.9	74.5	79.2	81.0	81.0	79.1	75.5	71.8	68.3	
RUN 46/4	2500	52.0	66.1	76.2	80.9	82.0	81.7	81.0	77.1	72.7	69.7	
TAPE	3150	50.1	67.0	74.6	79.1	80.6	80.6	80.5	76.8	71.8	68.7	
FAN TIP SPEED	4000	45.5	62.8	70.9	76.4	77.6	77.8	77.5	73.0	68.7	66.3	
854. FT/SEC	5000	42.4	61.1	69.6	74.7	76.1	76.3	76.2	72.0	68.8	66.2	
	6300	37.4	56.3	66.2	71.2	73.5	73.3	73.3	69.8	66.4	64.2	
	8000	26.4	50.6	61.2	66.6	69.3	71.0	70.0	66.9	63.4	60.3	
	10000	10.9	40.1	52.5	58.9	62.4	63.4	64.1	60.1	57.9	53.9	
OVERALL CALCULATED		76.4	83.6	88.6	92.1	93.3	93.0	91.8	89.3	87.1	84.6	
PNDB		77.8	91.6	99.1	103.6	104.8	104.6	103.8	100.5	96.7	93.6	

	50	76.7	84.2	88.2	89.3	88.6	87.6	88.0	86.1	85.5	84.8	
	63	77.7	81.8	84.4	86.7	88.3	87.8	86.2	83.8	82.2	80.8	
SIDELINE 200. FT.	80	82.7	86.2	87.5	88.1	88.7	89.9	90.3	89.2	87.9	84.7	
(80.96 M)	100	80.3	86.3	88.4	89.5	89.4	89.6	89.8	89.2	88.3	86.6	
	125	74.6	79.9	84.8	87.4	87.5	87.1	85.2	84.9	83.5	81.5	
	160	69.6	77.0	80.4	81.6	81.7	81.2	81.2	79.8	78.4	76.2	
	200	69.8	77.1	80.8	82.5	82.9	82.7	81.6	80.2	78.8	76.4	
	250	66.9	75.4	80.4	83.1	83.0	82.9	81.8	80.2	78.2	75.8	
	315	64.8	73.5	79.8	82.3	82.4	82.3	80.4	78.8	76.2	73.2	
	400	64.1	72.6	80.4	83.4	83.6	82.5	80.9	79.1	76.1	73.2	
	500	62.5	72.4	80.3	84.3	84.2	83.6	80.6	78.8	76.5	72.8	
	630	67.5	78.2	84.1	88.6	89.8	89.3	87.0	83.5	80.9	76.5	
	800	71.8	82.3	88.5	93.2	94.9	94.7	92.4	88.9	86.5	81.4	
	1000	70.4	80.5	87.5	91.7	93.0	93.8	90.6	86.6	85.0	82.1	
	1250	70.4	80.7	87.0	91.2	92.3	91.1	88.9	85.6	82.6	79.1	
	1600	72.3	84.0	90.4	94.3	95.1	94.2	90.8	87.3	83.7	80.5	
	2000	68.8	81.1	87.3	91.1	92.4	92.1	90.1	86.4	82.8	79.4	
	2500	69.5	82.8	89.4	93.2	93.8	93.1	92.3	88.3	83.9	81.1	
	3150	69.0	82.7	88.5	92.0	92.9	92.5	92.2	88.4	83.5	80.6	
	4000	66.3	79.9	85.8	90.1	90.7	90.4	89.9	85.3	81.1	79.0	
	5000	64.4	78.9	85.2	89.0	89.6	89.3	89.0	84.7	81.6	79.3	
	6300	62.7	76.5	83.6	87.0	88.3	87.5	87.3	83.7	80.4	78.4	
	8000	56.9	74.2	81.4	84.7	86.2	87.2	85.8	82.5	79.1	76.4	
	10000	48.6	68.7	76.5	80.2	82.1	82.2	82.4	78.2	76.1	72.6	
OVERALL CALCULATED		87.4	94.8	99.8	103.1	104.0	103.5	102.2	99.2	96.7	94.1	
PNDB		94.3	106.3	112.2	115.8	116.6	116.1	115.3	111.8	108.1	105.2	

## Run 46/Reading 5

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. RATE = MONTH 0 DAY 6 MR. 1980

MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)

ANGLES FROM INLET IN DEGREES (AND RADIANS)

	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0. )	(0. )	(0. )	(0. )	(0. )	(0. )
	50																
	63																
RADIAL 17. FT.	80																
( 5. MI)	100	96.8	93.0	87.0	87.0	88.5	89.8	90.5	91.0	91.0	89.8						124.3
VEHICLE UTMSIM	125	98.0	97.0	96.0	96.0	95.5	96.5	96.0	94.8	94.3	93.8						129.3
CONFIG MDHALL	160	98.8	102.3	102.8	103.5	101.3	96.8	96.5	97.3	96.0	95.5						133.6
LCC SCHENECTADY	200	99.2	100.2	100.2	101.0	101.2	99.7	97.5	95.2	93.7	92.2						132.3
DATE 7/23/75	250	103.2	103.2	102.7	102.0	101.7	102.0	101.7	100.2	99.5	96.5						135.0
RUN 46/5	315	101.7	104.0	104.0	103.0	102.2	101.3	101.7	100.5	99.7	98.2						139.3
TAPE	400	96.8	96.8	100.5	101.5	100.0	98.5	97.0	96.8	95.2	93.7						132.0
BAR 29.8 HG	500	92.5	95.5	96.0	95.8	94.7	93.8	92.5	92.0	90.5	88.8						127.2
(00466. N/M2)	630	92.3	96.3	96.5	96.8	96.5	95.3	93.5	92.0	91.0	89.0						128.1
TAMB 86. DEG F	800	90.0	94.3	96.3	97.0	96.7	95.1	94.0	92.5	90.5	88.3						128.8
(303. DEG K)	1000	88.0	92.3	95.7	96.7	95.5	94.3	92.3	91.0	88.7	86.0						128.9
T-ET 72. DEG F	1250	87.3	91.6	96.0	97.5	96.2	94.3	92.6	90.8	88.5	86.0						127.2
(295. DEG K)	1600	85.3	91.1	95.5	98.3	97.7	95.1	92.1	90.1	88.5	84.8						127.7
HACT15.47 GM/H3	2000	87.0	91.8	95.5	99.2	98.7	96.1	93.9	91.7	89.0	85.6						128.7
(.01547 KG/H3)	2500	90.5	95.8	98.8	102.0	101.7	99.9	97.4	95.4	92.7	88.3						131.0
NFA 10155. RPM	3150	96.2	100.8	104.5	107.9	107.9	108.3	105.6	103.9	99.7	94.6						134.0
(1063. RAD/SEC)	4000	95.6	100.3	103.7	106.1	106.3	104.3	101.3	97.4	95.1	91.0						136.2
NFK 5901. RPM	5000	95.6	99.9	103.4	105.7	105.7	103.5	101.0	97.9	94.5	91.2						135.7
(1037. RAD/SEC)	6300	98.9	104.4	107.8	109.5	108.2	105.4	103.6	98.9	96.4	94.2						136.9
NFD 11517. RPM	8000	95.2	102.0	104.4	105.7	105.4	104.5	102.2	99.1	95.4	92.8						138.5
(1206. RAD/SEC)	10000	96.5	104.0	107.2	107.6	108.1	106.0	104.2	101.1	97.3	94.0						138.7
NO. OF BLADES 18	12500	96.4	104.0	106.3	107.1	106.9	105.3	104.5	101.0	96.6	93.9						138.4
FAH TIP SPEED	16000	94.5	102.2	104.0	105.8	104.8	103.6	103.1	98.5	95.5	93.1						136.0
887. FT/SEC	20000	92.7	100.9	103.5	105.0	103.9	103.1	102.5	98.3	95.3	93.1						138.7
	25000	91.9	99.8	102.3	103.4	103.1	101.6	100.4	97.1	94.0	92.9						138.0
	31500	88.9	98.8	101.2	102.3	101.4	100.8	99.0	96.5	93.5	91.3						135.7
	40000	82.2	95.2	97.6	97.6	97.9	96.7	96.6	92.5	90.4	88.1						133.4
	50000	76.5	91.1	92.5	93.6	94.4	93.0	92.7	87.2	86.8	83.4						131.2
	63000	75.7	84.3	85.0	85.4	87.5	86.3	85.2	79.8	80.9	77.2						128.7
	80000	80.5	82.8	81.9	82.5	82.9	82.6	82.8	80.0	82.8	80.2						128.5
OVERALL MEASURED																	
OVERALL CALCULATED		110.6	114.6	116.7	118.0	117.6	116.2	114.7	112.0	109.4	107.0						
PND8		120.8	125.3	128.1	129.9	129.7	129.0	126.7	124.7	121.5	117.7						149.2

Run 46/Reading 5

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH & DAY . A HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (39 DEG. P. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)										
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.
FREQ. (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.10) (2.28)	50	68.9	76.7	79.9	82.4	81.3	79.6	79.8	78.7	77.3	76.4
SIDELINE 500. FT. (152.40 M)	63	68.9	74.4	77.1	79.6	81.1	80.4	78.6	76.5	74.9	72.9
NFA 2860. RPM (299. RAD/SEC)	80	72.3	77.0	79.3	80.8	81.4	82.4	82.6	81.3	80.4	78.9
NFK 2789. RPM (292. RAD/SEC)	100	70.4	77.3	80.2	81.1	81.6	81.5	82.5	81.4	80.4	78.9
NFD 3244. RPM (340. RAD/SEC)	125	64.5	71.7	76.4	79.6	79.2	78.6	77.5	77.4	75.8	73.8
AIRFLOW RATIO W/F/M 12.60	160	50.3	68.1	71.6	73.4	73.7	73.0	72.8	72.5	70.8	68.6
VEHICLE CONFIG LCC SCHEMECTACY DATE 7/23/75 RUN: 40/5 TAPE	200	59.2	68.4	71.8	74.1	75.2	74.9	73.6	72.3	71.1	68.6
FAN TIP SPEED 886. FT/SEC	250	56.4	66.0	71.2	74.1	75.2	74.4	73.9	72.6	70.4	67.6
	315	53.8	63.6	70.4	73.5	73.7	73.5	71.9	70.9	68.4	65.1
	400	52.4	62.4	70.3	74.0	74.2	73.2	72.0	70.4	67.9	64.9
	500	49.7	61.4	69.4	74.4	75.4	73.7	71.3	69.5	67.7	63.4
	630	54.2	65.6	72.2	77.8	79.1	78.2	76.3	74.5	71.6	66.7
	800	59.1	70.0	77.5	83.3	84.9	86.4	84.3	82.8	78.3	72.6
	1000	57.6	68.9	76.2	81.1	83.0	82.0	79.7	75.9	73.4	68.7
	1250	56.6	67.8	75.3	80.3	82.0	80.8	79.0	76.1	72.5	68.6
	1600	58.6	71.4	79.1	83.6	84.0	82.4	81.2	77.7	74.0	71.2
	2000	53.6	68.2	75.0	79.2	80.8	81.0	79.4	76.5	72.6	69.3
	2500	53.7	69.3	77.2	80.6	83.1	82.2	81.1	78.2	74.2	70.2
	3150	51.6	68.1	75.4	79.3	81.2	80.9	80.8	77.5	72.9	69.4
	4000	46.8	64.4	71.6	76.9	78.1	78.3	78.5	74.3	71.0	67.9
	5000	43.5	62.2	70.6	75.7	76.9	77.6	77.8	73.8	70.6	67.3
	6300	37.7	57.9	67.0	72.3	74.5	74.8	74.3	71.4	68.0	66.0
	8000	27.0	51.9	62.3	68.2	70.4	71.6	70.9	68.7	65.4	62.1
OVERALL CALCULATED	10000	9.7	41.5	53.6	59.5	63.5	64.5	65.7	62.0	59.5	55.9
PND8		77.2	84.5	89.2	92.7	93.8	93.6	92.6	90.5	88.1	85.2
		79.3	92.7	99.9	103.9	105.6	105.1	104.4	101.5	98.0	94.5

ORIGINAL PAGE IS OF POOR QUALITY

	50	78.7	85.7	88.5	90.8	89.6	87.8	88.0	86.9	85.5	84.6
SIDELINE 200. FT. (60.96 M)	63	79.0	83.6	85.9	88.2	89.5	88.8	86.9	84.8	83.2	81.3
	80	82.7	86.4	88.3	89.1	89.9	90.9	91.1	89.7	88.8	85.4
	100	81.0	87.0	89.4	90.0	90.4	90.1	91.0	89.9	89.0	87.1
	125	75.8	81.6	85.8	88.4	88.0	87.3	86.2	86.1	84.5	82.5
	160	71.3	78.2	81.2	82.6	82.7	82.5	81.7	81.3	79.8	77.5
	200	70.8	78.8	81.6	83.5	84.4	83.9	82.6	81.2	80.1	77.7
	250	68.4	76.7	81.2	83.6	84.5	83.6	83.0	81.7	79.5	76.8
	315	66.1	74.5	80.5	83.3	83.2	82.8	81.2	80.1	77.7	74.4
	400	65.1	73.6	80.7	83.9	83.8	82.7	81.4	79.8	77.3	74.4
	500	62.8	72.9	80.0	84.5	85.2	83.4	80.8	79.0	77.2	73.1
	630	67.7	77.5	83.2	88.1	89.1	88.1	86.0	84.3	81.4	76.5
	800	73.1	82.3	88.7	94.0	95.2	96.4	94.2	92.7	88.3	82.7
	1000	72.2	81.5	87.7	92.0	93.5	92.3	89.8	86.8	83.6	79.0
	1250	71.7	80.9	87.2	91.5	92.8	91.3	89.4	86.4	82.9	79.1
	1600	74.5	85.0	91.5	95.1	95.1	93.2	91.9	88.4	84.7	82.0
	2000	73.3	82.4	87.8	91.1	92.2	92.2	90.4	87.4	83.5	80.5
	2500	71.3	84.1	90.5	92.9	94.8	93.8	92.3	89.3	85.4	81.6
	3150	70.5	83.7	89.3	92.2	93.4	92.8	92.5	89.2	84.6	81.3
	4000	67.6	81.4	86.6	90.7	91.2	90.9	90.9	86.6	83.4	80.5
	5000	65.4	80.0	85.2	90.0	90.4	90.6	90.5	86.5	83.4	80.5
	6300	63.0	78.0	84.4	88.1	89.4	89.1	88.3	85.2	81.9	80.2
	8000	57.5	75.5	82.4	86.3	87.3	87.7	86.6	84.3	81.2	78.3
OVERALL CALCULATED	10000	47.4	70.1	77.6	80.8	83.2	83.3	84.0	80.0	77.7	74.7
PND8		88.3	95.8	100.5	103.7	104.5	104.1	103.0	100.5	97.8	94.9
		95.6	107.4	113.0	116.2	117.3	116.6	115.8	112.9	109.3	106.1

Run 46/Reading 6

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH DAY A.M. 15.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	4.	0.	PWL
FREQ. (G.35)(10.52)(10.70)(10.87)(11.05)(11.22)(11.40)(11.57)(11.75)(11.92)10. 1(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)(0. 1)																		
RADIAL 17. FT.	50																	
	63																	
	80																	
( S. M.)	100	99.5	94.5	90.3	86.5	83.0	80.0	79.0	90.3	91.0	91.3	89.8					129.2	
VEHICLE	UTMSIN	125	99.8	97.5	97.8	96.5	95.0	96.5	96.5	94.8	95.0	94.3					129.0	
CONFIG	MCNALL	160	99.3	101.8	102.5	102.8	101.0	98.3	98.5	96.8	96.5	95.3					133.3	
LCC	SCHENECTADY	200	101.5	102.2	102.2	102.5	103.0	101.2	99.0	96.5	95.2	93.7					133.9	
DATE	7/23/75	250	104.2	104.7	103.7	103.0	103.0	103.2	103.0	101.5	100.0	97.5					136.1	
RUN	46/6	315	102.2	105.0	104.7	104.2	103.5	103.0	102.7	102.0	100.5	99.7					136.5	
TAPE		400	99.5	100.0	102.0	102.5	102.0	100.5	98.0	98.0	96.7	95.0					133.5	
BAR	29.8 HG	500	93.8	95.0	97.8	97.0	95.2	95.0	94.5	93.3	92.5	90.0					128.6	
	(100468. N/M2)	630	94.3	97.0	98.5	98.3	98.0	97.1	95.0	93.8	92.3	90.5					129.7	
TAMB	86. DEG F	800	92.0	95.0	97.8	98.3	97.5	97.1	95.3	93.5	92.2	89.8					129.3	
	(303. DEG K)	1000	89.3	92.5	96.7	97.2	96.2	96.1	93.5	91.5	89.7	87.2					127.0	
TMET	73. DEG F	1250	88.5	92.6	97.3	98.3	97.7	96.8	94.1	92.1	89.3	86.8					128.6	
	(290. DEG K)	1600	87.3	92.3	96.0	98.8	98.0	96.6	93.4	91.9	89.2	85.6					120.5	
MACT	16.39 GM/M3	2000	88.3	92.8	96.8	99.5	99.5	97.4	94.9	92.4	89.7	86.6					125.5	
	(.61639 KG/M3)	2500	91.3	95.3	98.0	101.7	101.7	99.6	97.4	94.9	92.2	88.8					131.7	
NFA	10616. RPM	3150	97.5	101.8	105.5	107.9	108.4	106.3	104.4	101.4	98.2	94.3					136.3	
	(1111. RAD/SEC)	4000	97.6	101.3	104.7	107.1	108.1	105.3	102.8	99.2	96.6	92.5					137.5	
NFK	10359. RPM	5000	96.6	101.7	104.1	106.2	106.5	104.5	101.8	98.9	96.0	92.9					136.6	
	(1084. RAD/SEC)	6300	102.1	105.9	108.6	110.8	110.9	108.4	105.6	101.9	97.9	93.7					140.0	
NFD	11517. RPM	8000	97.6	102.7	105.6	106.7	106.9	105.2	103.5	100.1	96.9	94.8					137.6	
	(1206. RAD/SEC)	10000	95.0	104.7	107.9	109.3	108.8	107.5	105.7	102.3	98.3	96.3					140.0	
NO. OF BLADES	18	12500	97.4	105.0	107.3	108.1	108.4	106.3	106.0	102.5	97.8	95.8					139.6	
FAN TIP SPEED	16000	20000	96.5	103.4	104.7	106.2	106.0	104.1	104.3	100.2	96.5	95.1					137.0	
	927. FT/SEC	25000	94.6	102.1	104.7	105.5	105.3	103.8	103.7	100.2	96.5	95.3					137.0	
		31500	94.0	100.5	103.4	104.2	104.3	102.7	102.1	98.8	95.4	94.6					137.3	
		40000	99.5	99.9	102.4	103.4	103.3	101.7	100.9	97.6	94.7	93.2					137.1	
		50000	83.8	96.1	99.1	99.9	100.0	98.0	98.0	93.8	92.7	89.7					135.1	
		63000	80.5	92.3	94.3	94.6	96.4	94.2	94.2	89.0	89.0	85.2					132.7	
		80000	76.6	85.4	89.7	87.3	89.0	87.0	86.7	81.2	82.1	78.1					128.5	
			80.1	82.4	82.4	82.1	82.5	81.9	82.4	79.5	82.4	79.8					126.1	
OVERALL MEASURED																		
OVERALL CALCULATED		112.1	115.6	117.6	118.9	118.9	117.1	115.8	112.9	110.2	106.3						106.3	
PNDB		123.0	126.4	129.0	130.7	130.8	128.6	126.8	124.1	121.4	116.4						106.3	

Run 46/Reading 6

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH & DAY 4 MR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. W. 70 PERCENT REL. HUM. DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIAN)																	
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.							
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.27)	(2.45)	(2.62)	(2.80)	(2.97)	(3.14)	(3.32)
SIDELINE 500. FT. (152.40 M)	50	69.4	76.2	79.6	81.6	81.1	79.1	79.8	78.2	77.6	76.1							
NFA 2990. RPM ( 313. RAD/SEC)	63	71.2	76.4	79.1	81.1	82.9	81.9	80.1	77.7	76.4	74.4							
NFK 2915. RPM ( 305. RAD/SEC)	80	73.3	78.5	83.3	81.4	82.6	83.7	83.9	82.5	80.9	77.9							
NFD 3244. RPM ( 340. RAD/SEC)	100	70.9	78.3	81.0	82.4	82.9	83.2	83.5	82.9	81.2	80.0							
AIRFLOW RATIO WF/WH 12.60	125	66.6	73.0	77.9	80.4	81.2	80.6	79.3	78.7	77.3	75.9							
	160	61.3	68.6	73.4	74.6	75.2	74.8	74.2	73.7	72.8	69.8							
	200	61.2	69.2	73.8	75.6	76.7	76.7	75.1	74.0	72.4	70.1							
	250	58.4	66.8	72.7	75.3	76.0	76.4	75.2	73.6	72.1	69.1							
	315	55.0	63.8	71.4	74.0	74.4	75.2	73.2	71.4	69.4	66.4							
	400	53.6	63.4	71.5	74.7	75.7	75.7	73.5	71.7	68.7	65.7							
	500	51.7	62.6	69.9	74.9	75.6	75.2	72.5	71.2	68.4	65.2							
	630	52.0	62.6	70.2	75.3	76.8	75.7	73.8	71.5	68.6	64.9							
	800	54.1	64.5	71.0	77.1	78.7	77.6	76.0	73.7	70.8	66.9							
VEHICLE CONFIG UTHSIM MCWALL	1000	59.4	70.4	78.0	82.9	85.1	84.1	82.7	79.9	76.5	72.0							
LOC SCHENECTADY DATE 7/23/75	1250	58.6	69.1	76.6	81.6	84.3	82.6	80.8	77.3	74.6	69.9							
RUN 46/6	1600	56.3	68.7	75.4	80.2	82.2	81.4	79.3	76.6	73.5	69.8							
TAPE	2000	60.5	71.9	79.1	84.2	86.2	84.8	82.7	79.2	75.0	72.1							
FAN TIP SPEED 927. FT/SEC	2500	54.7	68.0	75.5	79.5	81.7	81.3	80.2	77.0	73.6	70.8							
	3150	53.0	68.5	76.8	81.4	82.9	82.9	81.8	78.6	74.4	71.6							
	4000	49.3	66.8	74.8	78.8	81.3	80.7	81.1	77.9	72.9	70.2							
	5000	46.8	64.3	71.3	76.5	78.6	78.1	79.1	75.3	71.3	69.1							
	6300	39.8	59.5	68.8	73.6	76.1	76.2	77.0	73.6	69.8	67.7							
	8000	31.2	52.7	63.6	69.8	72.3	72.6	73.0	70.1	66.4	64.5							
	10000	18.6	44.8	57.0	64.0	67.5	68.1	68.8	65.7	62.4	59.6							
OVERALL CALCULATED		78.4	85.3	89.8	93.1	94.7	94.1	93.2	91.0	88.7	86.2							
PNCB		81.6	93.3	100.6	104.9	106.7	106.3	105.3	102.5	98.9	96.1							

SIDELINE 200. FT. ( 60.96 M)	50	79.2	85.2	88.3	90.1	89.4	87.3	88.0	86.4	86.0	84.3							
	63	81.2	85.6	87.9	89.7	91.3	90.3	88.4	86.1	84.7	82.8							
	80	83.7	87.9	89.3	90.1	91.2	92.2	92.3	91.0	89.3	86.4							
	100	81.5	88.0	90.2	91.3	91.6	91.9	92.0	91.4	89.8	88.6							
	125	77.6	82.9	87.3	89.4	90.0	89.3	88.0	87.4	86.0	83.8							
	160	72.6	78.7	82.9	83.8	84.2	83.7	83.7	82.8	81.6	78.7							
	200	72.8	79.6	83.6	85.0	85.9	85.7	84.1	83.0	81.3	79.2							
	250	70.4	77.4	82.7	84.9	85.3	85.6	84.3	82.7	81.2	78.3							
	315	67.3	74.8	81.5	83.8	83.9	84.5	82.4	80.6	78.7	75.7							
	400	66.3	74.6	81.9	84.7	85.3	85.2	82.9	81.1	78.1	75.2							
	500	64.8	74.2	80.5	85.0	85.5	84.9	82.1	80.8	78.0	74.6							
	630	65.5	74.5	81.1	85.6	86.9	85.5	83.5	81.2	78.4	74.8							
	800	68.1	76.8	82.2	87.7	89.0	87.7	85.9	83.6	80.8	76.9							
	1000	74.0	83.0	89.5	93.8	95.5	94.3	92.8	90.0	86.6	82.3							
	1250	73.7	82.2	88.5	92.8	95.1	93.1	91.2	87.7	84.9	80.4							
	1600	72.1	82.3	87.7	91.8	93.3	92.2	90.0	87.2	84.2	80.6							
	2000	77.2	80.1	91.9	96.1	97.6	96.0	93.7	90.2	86.0	83.3							
	2500	72.3	82.7	88.8	91.9	93.5	92.7	91.4	88.2	84.8	82.2							
	3150	71.9	84.2	90.7	94.3	95.2	94.6	93.5	90.3	86.1	83.5							
	4000	70.2	83.8	89.6	92.6	94.4	93.3	93.5	90.2	85.3	82.8							
	5000	68.8	82.1	86.9	90.8	92.1	91.1	91.9	88.0	84.1	82.2							
	6300	65.1	79.6	86.2	89.4	90.9	90.5	91.0	87.7	83.8	81.9							
	8000	61.7	76.3	83.7	87.9	89.2	88.8	88.8	85.7	82.2	80.6							
	10000	54.3	73.4	81.0	85.3	87.2	86.9	86.8	83.8	80.6	78.4							
OVERALL CALCULATED		89.5	96.5	101.1	104.3	105.6	104.7	103.7	101.2	98.4	96.0							
PNCB		98.0	108.0	113.9	117.4	118.6	117.9	116.8	113.9	110.3	107.7							

29

482

Run 46/Reading 7

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE - MONTH A DAY 4 HR. 15.0																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM. DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
RADIAL 17. FT.																		
( 5. M)																		
		50															63	80
VEHICLE UTHSIM		125	99.0	99.5	97.3	96.5	96.3	96.5	96.3	96.5	96.3	95.3	94.5	94.3			126.8	
CONFIG HDWALL		160	99.0	101.5	100.8	100.3	98.5	97.8	98.0	96.3	95.0	94.8			130.0			
LGC SCHEMECTADY		200	103.5	104.5	104.5	104.5	104.5	103.2	100.5	98.5	96.5	95.5			131.9			
DATE 7/23/75		250	106.0	106.5	106.0	105.0	104.2	104.2	103.7	102.7	101.2	98.7			135.8			
RUN 46/7		315	103.7	106.2	106.7	106.5	106.0	105.3	104.2	103.5	102.0	101.2			137.6			
TAPE		400	99.8	102.3	104.0	104.2	103.2	102.3	101.0	100.3	98.0	96.7			138.4			
BAR 29.8 HG		500	95.8	98.3	99.8	100.3	98.7	97.8	96.8	95.8	94.2	92.0			135.3			
(00466. N/M2)		630	96.0	99.3	99.8	100.3	100.2	98.6	97.3	95.8	94.3	92.5			131.0			
TAMB 89. DEG F		800	94.5	97.5	99.5	100.3	100.0	98.8	97.5	96.0	94.0	91.8			131.6			
(305. DEG K)		1000	91.5	94.8	97.5	98.5	98.7	97.3	95.8	94.3	92.2	89.0			131.4			
THEY 74. DEG F		1250	90.8	94.1	98.5	100.0	99.5	97.8	95.8	94.1	92.0	89.0			129.6			
(296. DEG K)		1600	90.3	93.1	97.5	100.0	99.5	97.4	95.4	93.6	91.0	88.3			130.2			
HACT16.45 GH/M3		2000	90.0	93.8	97.3	101.0	101.0	99.4	96.6	94.2	91.5	88.3			129.9			
(01645 KG/M3)		2500	92.0	95.3	99.0	101.5	102.7	100.9	98.4	96.4	93.2	89.6			131.0			
NFA 11840. RPM		3150	98.0	100.3	104.8	107.7	108.4	108.3	105.9	103.2	99.9	95.3			132.5			
(1240. RAD/SEC)		4000	100.9	103.3	107.2	109.8	110.8	110.5	107.6	104.2	101.1	96.0			139.0			
NFK 11512. RPM		5000	100.1	102.5	105.9	107.5	108.5	106.5	104.0	100.8	97.3	94.2			141.1			
(1205. RAD/SEC)		6300	101.9	105.1	107.3	109.3	109.4	108.2	105.6	102.7	98.9	96.2			136.4			
NFD 11517. RPM		8000	101.7	105.6	108.4	109.7	109.4	107.7	105.2	102.9	99.1	96.8			140.0			
(1206. RAD/SEC)		10000	99.3	106.0	108.7	109.6	110.4	109.5	107.7	104.8	101.1	98.8			140.2			
NO. OF BLADES 18		12500	100.2	106.3	108.8	109.3	109.9	108.6	108.3	104.8	100.6	98.4			141.4			
FAN TIP SPEED		16000	98.3	105.2	107.0	108.5	108.1	106.8	106.8	102.8	99.0	97.4			141.4			
1034. FT/SEC		20000	96.1	104.1	106.5	108.2	107.3	106.1	106.2	102.7	99.5	98.3			140.2			
		25000	95.8	102.5	105.2	106.7	106.8	105.2	104.6	102.1	98.7	97.4			140.1			
		31500	92.5	101.7	104.4	106.0	105.1	104.7	103.7	101.2	97.5	96.2			139.7			
		40000	85.9	98.1	101.5	102.5	101.8	101.1	101.5	97.4	95.0	93.3			139.6			
		50000	78.9	94.7	96.4	97.7	99.2	97.6	98.1	92.8	91.6	88.5			137.8			
		63000	76.0	87.4	88.8	89.5	92.1	89.9	89.8	84.6	84.3	80.3			135.9			
		80000	80.3	82.7	82.7	83.3	84.3	83.4	82.6	79.8	82.6	80.1			130.8			
OVERALL MEASURED																	128.9	
OVERALL CALCULATED		113.6	117.0	119.0	120.2	120.3	119.3	117.8	115.1	112.2	110.1							
PNDB		124.3	127.0	129.9	131.8	132.3	131.5	129.1	126.4	123.6	120.0			152.0				

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F. 70 PERCENT REL. HUM. WY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
50	69.2	76.0	77.9	79.1	78.6	78.6	79.3	77.7	76.3	75.6						
63	73.2	78.6	81.3	83.1	84.4	83.9	81.6	79.7	77.6	76.2						
SIDELINE 500. FT. (152.40 M)	80	75.1	80.2	82.5	83.4	83.9	84.7	84.6	83.8	82.1	79.2					
100	72.4	79.6	83.0	84.6	85.4	85.5	85.0	84.4	82.7	81.5						
NFA 3335. RPM ( 349. RAD/SEC)	125	67.8	75.2	79.9	82.1	82.4	82.3	81.5	80.9	78.5	76.8					
160	63.3	70.8	75.4	77.9	77.7	77.6	77.1	76.2	74.5	71.8						
NFK 3243. RPM ( 339. RAD/SEC)	200	63.0	71.4	75.1	77.6	79.0	78.2	77.4	76.1	74.4	72.1					
250	60.9	69.3	74.5	77.3	78.5	78.2	77.4	76.1	73.9	71.1						
NFD 3244. RPM ( 340. RAD/SEC)	315	57.3	66.1	72.1	75.3	76.9	76.5	75.4	74.1	71.9	68.1					
400	55.9	64.9	72.8	76.5	77.4	76.7	75.2	73.7	71.4	67.9						
AIPFLOW RATIO WF/IN 12.60	500	54.7	63.4	71.4	76.1	77.1	76.0	74.5	73.0	70.2	66.9					
630	53.7	63.6	70.7	76.8	78.3	77.7	75.5	73.3	70.4	66.7						
800	54.8	64.5	72.0	76.9	79.7	78.9	77.0	75.2	71.8	67.6						
VEHICLE UTHSIM 1000	59.9	68.9	77.2	82.7	85.1	86.1	84.2	81.7	78.2	73.0						
CONFIG HDWALL 1250	61.9	71.1	79.1	84.4	87.1	87.9	85.6	82.3	79.1	73.4						
LOC SCHENECTADY 1600	59.8	69.4	77.1	81.5	84.2	83.4	81.6	78.3	74.8	71.1						
DATE 7/23/75 2000	60.2	71.2	77.9	82.7	84.7	84.6	82.7	80.0	76.0	72.6						
RUN 46/7 2500	58.7	71.0	78.3	82.6	84.2	83.8	81.9	79.8	75.9	72.8						
TAPE 3150	54.3	69.8	77.6	81.6	84.4	84.9	83.8	81.2	77.2	74.2						
FAN TIP SPEED 4600	52.1	68.1	76.1	80.1	82.8	82.9	83.4	80.2	75.7	72.7						
1034. FT/SEC 5000	48.6	66.0	73.6	78.8	80.6	80.9	81.6	77.8	73.8	71.4						
6300	41.3	61.5	70.6	76.4	78.1	78.5	79.5	76.4	72.8	70.7						
8600	33.0	54.7	65.4	71.6	74.8	75.2	75.6	73.4	69.7	67.3						
10000	18.7	46.6	59.1	66.5	69.3	71.2	71.4	69.3	65.2	62.7						
OVERALL CALCULATED	79.9	86.7	91.1	94.3	96.0	96.1	95.0	93.0	90.3	87.7						
PND8	83.0	94.6	101.7	105.9	108.1	108.3	107.3	104.9	101.3	98.2						

ORIGINAL PAGE IS OF POOR QUALITY

50	79.0	85.0	86.5	87.6	86.9	86.8	87.5	85.9	83.5	83.8						
63	83.2	87.8	90.1	91.7	92.8	92.3	89.9	88.1	85.9	84.5						
SIDELINE 200. FT. ( 60.96 M)	80	85.5	89.7	91.5	92.1	92.4	93.2	93.1	92.2	90.6	87.7					
100	83.0	89.3	92.2	93.5	94.1	94.1	93.5	92.9	91.3	90.1						
125	78.8	85.1	89.3	91.2	91.3	91.1	90.2	89.6	87.2	85.5						
160	74.6	81.0	84.9	87.1	86.7	86.5	85.9	85.1	83.4	80.7						
200	74.6	81.8	84.8	87.0	86.1	87.2	86.4	85.0	83.3	81.2						
250	72.9	79.9	84.4	86.9	87.8	87.4	86.5	85.2	83.0	80.3						
315	69.6	77.0	82.3	85.0	86.4	85.8	84.7	83.4	81.2	77.5						
400	68.6	76.1	83.2	86.4	87.1	86.2	84.7	83.1	80.8	77.4						
500	67.8	74.9	82.0	86.3	87.0	85.6	84.1	82.5	79.7	76.6						
630	67.2	75.5	81.6	87.1	88.4	87.6	85.3	83.0	80.1	76.5						
800	68.9	76.8	83.2	87.5	90.0	88.9	86.9	85.1	81.8	77.7						
1000	74.5	81.5	88.8	93.6	95.6	96.3	94.3	91.8	88.4	83.3						
1250	77.0	84.2	91.0	95.6	97.8	98.4	95.9	92.7	89.4	83.9						
1600	75.7	83.0	89.4	93.0	95.3	94.2	92.2	89.0	85.5	81.9						
2000	76.9	85.4	90.7	94.6	96.1	95.7	93.7	90.9	87.0	83.8						
2500	76.3	85.7	91.5	94.9	96.0	95.2	93.2	91.0	87.1	84.3						
3150	73.1	85.5	91.5	94.5	96.7	96.8	95.5	92.8	88.9	86.1						
4000	72.9	85.1	91.1	93.9	95.9	95.6	95.8	92.5	88.1	85.4						
5000	70.6	83.9	89.2	93.1	94.1	93.9	94.4	90.6	86.6	84.4						
6300	66.7	81.7	86.0	92.2	93.0	92.8	93.5	90.2	86.8	85.0						
8000	63.5	78.4	85.5	89.7	91.7	91.3	91.3	89.0	85.4	83.4						
10000	56.4	75.2	83.1	87.8	89.1	89.9	89.6	87.4	83.4	81.5						
OVERALL CALCULATED	91.1	97.9	102.4	105.5	106.9	106.8	105.7	103.3	100.3	97.7						
PND8	99.7	109.4	115.1	118.4	120.1	119.9	118.9	116.2	112.7	109.9						



Run 46/Reading 8

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 MR. 15.0

		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ.		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)	
	50																	
	63																	
	80																	
RADIAL	17. FT.																	
	( 5. M)	100	99.5	96.8	89.8	87.3	88.8	90.5	91.5	92.3	92.3	91.3					128.1	
VEHICLE	UTNSIM	125	99.8	99.0	96.3	96.3	95.5	96.3	95.8	94.8	94.5	94.5					129.7	
CONFIG	HDWALL	160	99.5	99.5	99.8	99.5	97.8	97.3	97.0	96.0	94.8	94.0					131.2	
LOC	SCHENECTADY	200	104.9	104.7	104.5	105.0	105.2	104.0	101.5	99.2	97.2	96.0					136.4	
DATE	7/23/75	250	106.0	106.5	106.0	104.7	104.5	105.0	104.0	102.7	101.7	98.7					137.7	
RJH	46/8	315	104.3	106.5	106.5	106.7	105.7	104.5	104.7	103.7	102.2	100.7					136.4	
TAPE		400	100.8	102.8	104.0	105.0	104.0	102.8	101.0	100.3	98.7	96.7					135.7	
BAR	29.8 HG	500	97.0	98.5	99.8	99.8	99.0	98.3	97.8	96.3	95.0	93.0					131.4	
	(00468. N/M2)	630	96.8	99.8	100.5	101.3	100.5	99.6	98.5	96.5	95.5	93.5					132.4	
TAMB	89. DEG F	800	95.0	97.5	100.3	100.5	100.0	99.3	98.5	96.8	96.0	93.5					132.0	
	(305. DEG K)	1000	92.0	95.3	97.8	98.5	97.7	96.8	96.0	94.5	93.2	90.0					129.6	
TaET	74. DEG F	1250	90.8	94.1	98.3	99.5	99.0	97.3	95.8	94.8	92.0	89.3					130.0	
	(296. DEG K)	1600	89.3	93.1	96.5	98.8	98.7	97.1	95.1	93.9	91.5	88.6					129.3	
HACT	16.45 GH/M3	2000	89.3	93.8	97.0	100.5	100.2	99.1	96.6	94.7	92.5	89.6					130.7	
	(.01645 KG/M3)	2500	91.8	95.1	98.5	102.0	101.9	101.1	98.6	96.7	94.0	90.3					132.5	
NFA	11756. RPM	3150	96.2	100.3	103.8	106.7	107.7	108.3	106.9	104.5	101.9	96.1					139.0	
	(1231. RAD/SEC)	4000	99.1	103.3	106.7	108.3	109.6	110.3	108.1	105.4	102.3	97.2					140.6	
NFK	11430. RPM	5000	97.8	102.2	104.9	107.0	107.7	106.0	103.3	99.6	97.5	94.2					137.7	
	(1197. RAD/SEC)	6300	100.9	105.1	107.1	109.3	109.2	107.7	105.6	103.4	99.9	97.0					139.9	
NFE	11517. RPM	8000	100.9	105.8	108.1	109.9	108.9	107.7	105.7	103.6	99.9	97.3					140.3	
	(1206. RAD/SEC)	10000	98.3	105.7	108.7	110.1	110.6	109.5	107.7	105.3	101.3	99.3					141.6	
NO. OF BLADES	18	12500	99.2	106.5	109.3	109.8	110.1	108.8	106.0	105.3	101.3	99.4					141.7	
FAN TIP SPEED	16000	20000	97.5	105.5	107.0	108.3	108.1	106.8	106.5	103.3	99.8	98.1					140.2	
	1026. FT/SEC	25000	95.9	103.9	107.0	108.0	107.6	106.6	106.5	103.2	100.0	99.0					140.4	
		31500	95.1	103.5	106.0	106.9	106.6	105.5	105.4	102.8	99.5	98.6					140.1	
		40000	92.3	102.5	105.2	105.5	105.6	105.0	104.2	101.4	98.5	96.7					139.9	
		50000	85.9	99.4	102.0	102.5	103.1	101.3	101.8	98.1	95.8	93.8					138.3	
		63000	79.1	95.5	97.4	97.7	99.0	97.3	98.6	92.8	92.6	89.0					136.1	
		80000	76.0	88.1	89.8	90.3	92.4	90.2	90.6	84.9	84.8	81.1					131.3	
			80.3	82.9	82.9	83.3	84.5	83.2	82.9	79.8	82.6	80.1					129.0	
OVERALL MEASURED																		
OVERALL CALCULATED		113.4	117.1	118.9	120.1	120.1	119.3	118.1	115.7	113.0	110.6						152.1	
PNDB		123.4	126.9	129.4	131.3	131.5	131.4	129.5	127.2	124.6	120.8							

Run 46/Reading 8

PAGE 5 FULL SCALE DATA REDUCTION PROGRAM

PROC. DATE = MONTH 8 DAY 4 HR. 15.0

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)  
 ANGLES FROM INLET IN DEGREES (AND RADIANS)

	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	120.	130.	140.	150.	160.	170.	180.
FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(2.10)	(2.29)	(2.47)	(2.65)	(2.83)	(3.02)	(3.20)	(3.39)
	50	69.7	74.0	76.9	78.4	77.8	78.1	78.3	77.4	76.0	74.9						
	63	73.7	78.9	81.3	83.6	85.1	84.7	82.6	80.5	78.4	76.7						
SIDELINE 500. FT.	80	75.1	80.2	82.5	83.1	84.1	85.4	84.9	83.8	82.6	79.2						
(152.40 M)	100	72.6	79.8	82.7	84.9	85.1	84.7	85.5	84.6	82.9	81.0						
NFA 3311. RPM	125	68.8	75.7	79.9	82.9	83.2	82.6	81.5	80.9	79.3	76.8						
( 347. RAD/SEC)	160	64.5	71.1	75.4	77.4	77.9	78.1	78.1	76.7	75.3	72.8						
NFK 3220. RPM	200	63.7	71.9	75.8	78.6	79.2	79.2	78.6	76.8	75.6	73.1						
( 337. RAD/SEC)	250	61.4	69.3	75.2	77.6	78.5	78.7	78.4	76.8	75.9	72.9						
NFD 3244. RPM	315	57.8	66.6	72.4	75.3	75.9	76.0	75.7	74.4	72.9	69.1						
( 340. RAD/SEC)	400	55.9	64.9	72.5	76.0	76.9	76.2	75.2	74.4	71.4	68.2						
AIRFLOW RATIO	500	53.7	63.4	70.4	74.9	76.4	75.7	74.3	73.2	70.7	67.2						
WF/KH 12.50	630	53.0	63.6	70.5	76.3	77.6	77.5	75.5	73.8	71.4	67.9						
	800	54.5	64.3	71.5	77.4	78.9	79.1	77.2	75.5	72.6	68.4						
VEHICLE UTMSH	1000	58.2	68.9	76.2	81.7	84.3	86.1	85.2	83.0	80.2	73.8						
CONFIG HDWALL	1250	60.1	71.1	78.6	83.4	85.8	87.6	86.1	83.6	80.3	74.6						
LOC SCHENECTADY	1600	57.5	69.2	76.1	81.0	83.5	82.9	80.8	77.3	75.1	71.1						
DATE 7/23/75	2000	59.2	71.2	77.6	82.7	84.4	84.1	82.7	80.8	77.0	73.4						
RUN 46/8	2500	58.0	71.0	78.1	82.8	83.7	83.8	82.4	80.5	76.6	73.3						
TAPE	3150	53.3	69.6	77.6	82.1	84.7	84.9	83.8	81.7	77.4	74.7						
FAN TIP SPEED	4000	51.1	68.3	76.6	80.6	83.1	83.2	83.2	80.7	76.5	73.7						
1026. FT/SEC	5000	47.9	66.3	73.6	78.5	80.6	80.9	81.4	78.3	74.6	72.2						
	6300	41.1	61.3	71.1	76.2	78.4	79.0	79.8	76.9	73.3	71.4						
	8000	32.3	55.7	66.1	71.9	74.6	75.4	76.3	74.1	70.4	68.5						
	10000	18.4	47.4	59.9	66.0	69.8	71.4	71.9	69.5	66.2	63.2						
OVERALL CALCULATED		80.1	86.7	91.0	94.3	95.8	96.1	95.3	93.5	91.0	88.0						
PND8		82.5	94.6	101.7	106.0	108.1	108.3	107.5	105.4	101.9	98.8						

	50	79.5	83.9	85.5	86.8	86.1	86.3	86.5	85.6	84.3	83.1						
	63	83.7	88.1	90.1	92.2	93.5	93.0	90.9	88.8	86.7	85.0						
SIDELINE 200. FT.	80	85.5	89.7	91.5	91.8	92.7	93.9	93.3	92.2	91.1	87.7						
( 60.96 M)	100	83.3	89.5	91.9	93.8	93.9	93.4	94.0	93.2	91.5	89.6						
	125	79.8	85.6	89.3	91.9	92.0	91.6	90.2	89.6	88.0	85.5						
	160	75.8	81.2	84.9	86.6	87.0	87.0	86.9	85.6	84.1	81.7						
	200	75.3	82.3	85.6	88.0	88.4	88.2	87.6	85.7	84.6	82.2						
	250	73.4	79.9	85.2	87.1	87.8	87.9	87.5	85.9	85.0	82.1						
	315	70.1	77.5	82.5	85.0	85.4	85.3	84.9	83.6	82.2	78.5						
	400	68.6	76.1	82.9	85.9	86.6	85.7	84.7	83.8	80.8	77.7						
	500	66.8	74.9	81.0	85.0	86.2	85.4	83.9	82.8	80.2	76.8						
	630	66.5	75.5	81.4	86.6	87.6	87.3	85.3	83.5	81.1	77.8						
	800	68.6	76.5	82.7	88.0	89.2	89.2	87.2	85.4	82.5	78.4						
	1000	72.7	81.5	87.8	92.6	94.8	96.3	95.3	93.1	90.4	84.0						
	1250	75.2	84.2	90.5	94.6	96.6	98.1	96.4	93.9	90.7	85.1						
	1600	73.4	82.8	88.4	92.5	94.6	93.7	91.5	88.0	85.7	81.9						
	2000	75.9	85.4	90.4	94.6	95.9	95.2	93.7	91.7	88.0	84.5						
	2500	75.5	85.7	91.3	95.1	95.5	95.2	93.7	91.7	87.9	84.8						
	3150	72.1	85.2	91.5	95.0	97.0	96.8	95.5	93.3	89.1	86.6						
	4000	71.9	85.3	91.6	94.4	96.2	95.8	95.5	93.0	88.8	86.4						
	5000	69.8	84.1	89.2	92.8	94.1	93.9	94.2	91.1	87.4	85.2						
	6300	66.4	81.4	86.5	92.0	93.2	93.3	93.7	90.7	87.3	85.7						
	8000	62.8	79.4	86.2	90.0	91.5	91.6	92.1	89.8	86.2	84.7						
	10000	56.1	75.9	83.8	87.3	89.6	90.2	90.1	87.6	84.4	82.0						
OVERALL CALCULATED		91.2	97.9	102.3	105.4	106.7	106.8	106.0	103.9	101.1	98.1						
PND8		99.1	109.3	115.1	118.5	120.0	119.9	119.0	116.8	113.3	110.5						

## Run 46/Reading 9

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH 8 DAY 4 HR. 15.1																
MODEL SOUND PRESSURE LEVELS (59. DEG. F. 70 PERCENT REL. HUM. DAY)																		
ANGLES FROM INLET IN DEGREES (AND RADIANS)																		
	FREQ.	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	0.	0.	0.	0.	0.	
	50																	
	63																	
RADIAL 17. FT.	80																	
( 5. M)	100	98.0	95.3	89.5	86.5	88.8	90.0	91.3	92.0	92.0	90.5							125.4
VEHICLE UTHS1H	125	98.8	97.3	95.5	95.5	94.8	95.3	95.3	94.5	94.0	94.3							129.0
CONFIG HDHALL	160	99.0	100.8	101.8	102.0	100.0	97.0	97.0	96.3	95.5	94.8							132.4
LOC SCHENECTADY	200	102.0	102.2	102.5	102.5	103.0	101.2	98.7	97.0	95.2	94.2							134.0
DATE 7/23/75	250	104.7	104.5	103.7	103.0	103.2	102.7	102.5	100.7	99.7	97.5							135.9
RUN 46/9	315	102.2	105.0	105.0	104.5	103.5	103.3	103.0	102.5	101.0	100.2							136.8
TAPE	400	98.8	100.3	102.5	102.7	102.0	100.5	98.8	98.5	97.2	94.7							133.7
BAR 29.8 HG	500	95.0	96.8	97.8	97.8	96.5	95.8	94.8	94.0	93.0	90.8							129.1
(00468, N/M2)	630	95.3	97.3	98.0	98.5	98.2	97.1	96.0	94.3	93.3	91.5							130.0
TAMB 88. DEG F	800	93.3	95.3	97.3	98.0	97.7	96.6	95.8	94.5	93.0	90.5							129.4
(304. DEG K)	1000	89.8	92.8	95.2	96.2	95.2	94.6	93.0	91.8	90.0	88.0							127.0
TNET 74. DEG F	1250	89.0	92.6	95.8	97.3	96.2	94.8	93.1	91.8	89.5	87.0							127.5
(296. DEG K)	1600	87.3	91.6	95.0	97.5	97.2	95.1	92.9	90.9	89.0	85.1							127.5
HACT16.75 GM/M3	2000	87.3	91.8	95.5	98.5	98.2	96.9	94.4	92.9	89.7	87.1							128.7
(.01675 KG/M3)	2500	89.3	94.3	98.5	101.2	101.2	99.6	97.6	94.7	92.7	89.3							131.5
NFA 10637. RPM	3150	96.0	102.1	106.0	108.7	108.7	108.1	106.4	104.7	101.4	96.8							139.6
(1114. RAD/SEC)	4000	94.9	100.0	103.7	105.8	106.6	104.8	101.8	98.9	95.6	92.0							136.4
NFK 10352. RPM	5000	95.1	99.7	103.1	105.7	105.7	104.0	101.8	99.1	95.8	93.2							136.0
(1084. RAD/SEC)	6300	101.6	105.6	109.3	111.3	110.2	108.4	105.6	102.2	98.4	96.7							140.9
NFD 11517. RPM	8000	95.7	102.3	105.9	106.9	106.4	105.2	103.5	100.9	97.1	94.8							137.6
(1206. RAD/SEC)	10000	96.3	104.5	107.9	109.3	109.1	108.0	106.2	103.1	98.6	96.3							140.2
NO. OF BLADES 18	12500	96.2	104.2	107.0	108.6	108.4	106.8	106.2	102.3	98.3	96.6							139.7
FAN TIP SPEED	16000	95.0	103.4	105.4	107.0	106.3	105.1	104.0	100.3	96.5	94.9							138.3
929. FT/SEC	20000	93.4	101.8	105.0	106.0	105.6	104.3	103.9	100.2	97.0	95.5							138.1
	25000	93.0	100.8	103.4	104.9	104.5	103.2	102.6	99.3	95.4	94.8							137.5
	31500	89.5	99.9	102.9	103.4	103.1	102.2	101.1	98.6	94.9	93.7							137.3
	40000	82.6	96.1	99.6	100.1	100.0	98.5	98.5	94.3	92.7	89.9							135.4
	50000	76.5	92.3	94.8	94.9	96.4	94.5	94.7	89.5	88.5	85.4							133.0
	63000	75.6	85.4	86.9	87.3	89.5	87.0	87.4	81.2	82.1	78.4							128.3
	80000	80.1	82.4	81.4	82.1	82.5	82.0	82.4	79.6	82.4	79.8							128.1
OVERALL MEASURED																		
OVERALL CALCULATED		111.7	115.3	117.7	119.1	118.7	117.4	116.0	113.4	110.7	108.7							150.4
PNEB		122.3	126.1	129.1	130.8	130.4	129.4	127.6	125.7	122.9	119.6							

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	FREQ.	ANGLES FROM INLET IN DEGREES (AND RADIANS)															
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.
		(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50	69.2	75.2	78.9	80.9	80.1	77.9	78.3	77.7	76.8	75.6						
	63	71.7	76.4	79.3	81.1	82.9	81.9	79.9	78.2	76.4	74.9						
	80	73.8	78.2	80.3	81.4	82.9	83.2	83.4	81.8	80.6	77.9						
NFA 2996. RPM (314. RAD/SEC)	125	66.8	73.2	78.4	80.6	81.2	80.6	79.3	79.2	77.8	74.8						
NFK 2916. RPM (305. RAD/SEC)	200	62.2	69.4	73.3	75.9	77.0	76.7	76.1	74.5	73.4	71.1						
NFD 3244. RPM (340. RAD/SEC)	250	59.7	67.0	72.2	75.1	76.2	75.9	75.7	74.6	72.9	69.9						
AIRFLOW RATIO HF/WH 12.60	315	55.5	64.1	69.9	73.0	73.4	73.7	72.7	71.6	69.7	67.1						
	400	54.1	63.4	70.0	73.7	74.2	73.7	72.5	71.4	68.9	65.9						
	500	51.7	61.9	68.9	73.6	74.9	73.7	72.0	70.2	68.2	64.7						
	630	51.0	61.6	69.0	74.5	75.6	75.2	73.3	72.0	68.7	65.4						
	800	52.1	63.5	71.5	76.6	78.2	77.6	76.2	73.5	71.3	67.4						
VEHICLE CONFIG UTHSIM H2HALL	1000	57.9	70.6	78.5	83.7	85.3	85.8	84.7	83.2	79.7	74.5						
	1250	55.9	67.9	75.6	80.4	82.8	82.1	79.8	77.1	73.6	69.4						
LOC SCHENECTADY DATE 7/23/75	1600	54.8	66.7	74.4	79.7	81.5	80.9	79.3	76.8	73.3	70.1						
	2000	60.0	71.7	79.9	84.7	85.4	84.8	82.7	79.5	75.5	73.1						
RUN 45/9 TAPE	2500	52.7	67.5	75.8	79.8	81.2	81.3	80.2	77.8	73.8	70.8						
	3150	51.3	68.3	76.8	81.4	83.2	83.4	82.3	79.4	74.7	71.6						
FAN TIP SPEED 929. FT/SEC	4000	48.1	66.0	74.4	79.4	81.3	81.2	81.4	77.7	73.4	71.0						
	5000	45.3	64.3	72.1	77.2	78.9	79.1	78.9	75.3	71.3	68.9						
	6300	38.6	59.3	69.1	74.1	76.4	76.7	77.3	73.8	70.3	67.9						
	8000	30.2	52.9	63.6	69.8	72.6	73.1	73.5	70.6	66.4	64.7						
	10000	15.6	44.8	57.6	64.0	67.3	66.6	68.8	66.7	62.6	60.1						
OVERALL CALCULATED		78.6	85.1	89.8	93.2	94.4	94.2	93.3	91.5	89.0	86.5						
PND8		81.0	93.0	100.5	105.0	106.7	106.5	105.6	103.0	99.3	96.3						

ORIGINAL PAGE IS OF POOR QUALITY

SIDELINE 200. FT. (60.96 M)	50	79.0	84.2	87.5	89.3	88.4	86.1	86.5	85.9	85.0	83.8						
	63	81.7	85.6	88.1	89.7	91.3	90.3	88.2	86.6	84.7	83.3						
	80	84.2	87.7	89.3	90.1	91.4	91.7	91.8	90.2	89.1	86.4						
	100	81.5	88.0	90.4	91.5	91.6	92.1	92.3	91.9	90.3	89.1						
	125	77.8	83.1	87.8	89.7	90.0	89.3	88.0	87.9	86.5	83.5						
	160	73.8	79.5	82.9	84.6	84.5	84.5	83.9	83.3	82.1	79.5						
	200	73.8	79.8	83.1	85.2	86.1	85.7	85.1	83.5	82.3	80.2						
	250	71.6	77.7	82.2	84.6	85.5	85.1	84.8	83.7	82.0	79.1						
	315	67.8	75.0	80.0	82.8	82.9	83.0	81.9	80.9	78.9	76.5						
	400	66.8	74.6	80.4	83.7	83.8	83.2	81.9	80.8	78.3	75.4						
	500	64.8	73.4	79.5	83.8	84.7	83.4	81.6	79.8	77.7	74.3						
	630	64.5	73.5	79.9	84.9	85.6	85.1	83.0	81.7	78.4	75.3						
	800	66.1	75.8	82.7	87.2	88.5	87.7	86.2	83.4	81.3	77.4						
	1000	72.5	83.3	90.0	94.6	95.8	96.1	94.8	93.3	89.9	84.8						
	1250	71.0	80.9	87.5	91.6	93.6	92.6	90.2	87.4	83.9	79.9						
	1600	70.6	80.3	86.7	91.3	92.6	91.7	90.0	87.5	84.9	80.9						
	2000	76.7	85.9	92.7	96.6	96.9	96.0	93.7	90.4	86.5	84.3						
	2500	70.3	82.2	89.0	92.1	93.0	92.7	91.4	89.0	85.1	82.3						
	3150	70.1	84.0	90.7	94.3	95.5	95.3	94.0	91.0	86.4	83.5						
	4000	68.9	83.1	89.3	93.1	94.4	93.8	93.8	90.0	85.8	83.6						
	5000	67.3	82.1	87.7	91.5	92.4	92.1	91.6	88.0	84.1	81.9						
	6300	63.9	79.4	86.5	89.9	91.2	91.0	91.2	87.7	84.3	82.2						
	8000	60.7	76.6	83.7	87.9	88.4	89.3	89.3	86.2	82.2	80.9						
	10000	53.3	73.4	81.5	85.3	87.0	87.4	87.1	84.8	80.9	78.9						
OVERALL CALCULATED		89.6	96.2	101.1	104.4	105.3	104.9	103.9	101.7	98.9	96.4						
PND8		97.3	107.7	113.9	117.4	118.5	118.1	117.1	114.4	110.6	106.0						

Run 46/Reading 10

PAGE 1 FULL SCALE DATA REDUCTION PROGRAM		PROC. DATE = MONTH & DAY 4 HR. 15.1																
		MODEL SOUND PRESSURE LEVELS (59. DEG. F, 70 PERCENT REL. HUM, DAY)																
		ANGLES FROM INLET IN DEGREES (AND RADIANS)																
FREQ.		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.	0.	0.	PWL
FREQ. (0.35) (0.52) (0.70) (0.87) (1.05) (1.22) (1.40) (1.57) (1.75) (1.92) (2.10) (2.29) (2.47) (2.65) (2.83) (3.01) (3.19) (3.37)																		
RADIAL 17. FT.	50																	
( 5. M)	63																	
VEHICLE UTMSIM	125	95.3	92.3	84.5	85.5	87.5	88.3	89.5	90.0	89.8	88.8						123.1	
CONFIG HDWALL	160	96.5	99.8	100.3	100.5	98.8	97.3	97.0	96.0	95.8	94.8						127.8	
LCC SCHENECTADY	200	98.2	95.5	98.5	98.7	99.2	98.2	96.2	93.5	91.7	90.7						131.5	
DATE 7/23/75	250	102.2	102.0	101.0	99.7	99.7	100.0	100.2	99.2	97.7	95.7						130.5	
RUN 46/10	315	101.0	103.0	102.5	101.5	100.2	100.5	100.5	100.0	99.0	97.7						133.4	
TAPE	400	95.5	97.3	98.7	99.2	98.5	97.3	95.5	94.5	93.5	92.0						134.2	
BAR 29.8 HG	500	91.8	94.0	94.5	93.8	92.7	92.3	91.3	90.8	89.7	87.5						130.2	
(00468. N/M2)	630	91.8	93.8	94.8	95.3	95.0	94.1	93.0	90.5	89.8	87.8						125.7	
TAMB 86. DEG F	800	89.0	91.8	94.3	94.8	93.7	93.8	92.3	90.5	89.0	87.0						126.7	
(303. DEG K)	1000	86.0	89.8	92.2	93.2	92.2	92.8	90.3	88.5	86.5	84.2						125.9	
TNET 74. DEG F	1250	85.3	89.8	94.3	94.8	93.5	91.8	89.8	88.3	86.3	83.3						124.2	
(296. DEG K)	1600	83.8	88.8	93.3	95.3	95.0	93.6	90.4	88.8	86.0	83.3						124.8	
HACT17.33 GH/M3	2000	84.0	89.8	94.3	97.0	96.5	94.4	91.9	90.2	87.2	83.8						125.3	
(.01733 KG/M3)	2500	90.8	96.8	101.0	103.7	103.4	103.4	99.9	99.4	95.0	89.3						126.7	
NFA 9447. RPM	3150	93.0	99.1	103.0	106.2	106.4	105.8	102.6	101.2	97.4	90.8						134.3	
( 989. RAD/SEC)	4000	91.4	98.0	101.7	104.1	103.8	101.5	98.6	94.9	91.8	88.7						136.8	
NFK 9210. RPM	5000	91.8	99.2	103.4	105.0	105.2	103.2	100.3	96.9	94.0	90.7						133.8	
( 964. RAD/SEC)	6300	94.1	101.4	105.3	106.8	105.7	103.9	101.4	97.7	93.9	91.7						135.2	
NFD 11517. RPM	8000	92.1	100.7	104.1	105.9	105.2	104.7	102.2	99.1	94.4	92.3						136.4	
(1206. RAD/SEC)	10000	93.0	102.4	105.7	106.6	106.8	104.7	102.9	99.6	95.1	92.5						136.4	
NO. OF BLADES 18	12500	92.9	102.2	104.8	105.8	106.1	104.5	103.5	99.5	94.3	92.1						137.4	
FAN TIP SPEED	16000	91.2	100.2	102.9	104.0	103.0	101.8	101.0	96.7	92.0	90.3						137.2	
825. FT/SEC	20000	89.3	99.0	101.7	102.9	102.3	101.0	99.6	95.9	92.0	90.5						135.1	
	25000	88.7	97.2	100.6	101.3	101.5	99.1	98.3	95.0	90.6	90.0						134.6	
	31500	85.4	96.3	99.0	99.8	99.0	98.1	96.8	93.0	89.6	87.8						133.2	
	40000	78.9	92.7	95.5	95.5	95.6	94.3	93.8	89.4	87.1	84.5						133.2	
	50000	73.8	88.6	90.1	90.1	91.4	89.8	89.8	84.5	83.1	80.2						130.9	
	63000	74.5	81.6	82.4	82.8	84.4	83.2	82.6	77.4	78.5	75.3						128.1	
	80000	79.7	82.0	81.0	81.7	82.1	81.5	82.0	79.1	81.9	79.4						123.9	
OVERALL MEASURED																	127.6	
OVERALL CALCULATED		108.7	112.8	115.2	116.4	116.1	114.9	113.1	110.6	107.7	105.5						127.6	
PDR		118.0	123.2	126.3	128.3	128.2	127.3	124.7	122.9	119.7	115.5						147.6	

FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59. DEG. F., 70 PERCENT REL. HUM., DAY)

	ANGLES FROM INLET IN DEGREES (AND RADIANS)													
	20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
FREQ.	(0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.)	(0.)	(0.)	(0.)
SIDELINE 500. FT. (152.40 M)	50 66.7	74.2	77.4	79.4	78.8	78.1	78.3	77.4	77.0	75.6				
NFA 2661. RPM ( 279. RAD/SEC)	63 67.9	72.6	75.3	77.4	79.1	76.9	77.4	74.7	72.9	71.4				
NFK 2594. RPM ( 272. RAD/SEC)	80 71.3	75.7	77.5	78.1	79.4	80.4	81.1	80.3	78.6	76.2				
NFD 3244. RPM ( 340. RAD/SEC)	100 69.6	76.3	78.7	79.6	79.5	80.7	81.2	80.9	79.7	78.0				
AIRFLOW RATIO NF/WH 12.60	125 63.6	70.2	74.7	77.1	77.7	77.3	76.0	75.2	74.0	72.0				
	160 59.3	66.6	70.1	71.4	71.7	72.1	71.6	71.2	70.0	67.3				
	200 58.7	65.9	70.1	72.6	73.7	73.7	73.1	70.8	69.9	67.4				
	250 55.4	63.5	69.2	71.8	72.2	73.2	72.2	70.6	68.9	66.4				
	315 51.8	61.1	66.9	70.0	70.4	72.0	69.9	68.4	66.2	63.4				
	400 50.4	60.6	66.5	71.2	71.4	70.7	69.2	67.9	65.7	62.2				
	500 48.2	59.1	67.1	71.4	72.6	72.2	69.5	68.0	65.2	61.9				
	630 54.5	66.6	74.5	79.5	80.8	81.7	78.8	78.5	73.9	67.7				
	800 55.8	68.3	76.0	81.6	83.4	83.9	81.3	80.0	76.1	68.9				
VEHICLE UTWSIM CONFIG HCHALL	1000 53.4	66.6	74.2	79.1	80.5	79.3	76.9	73.4	70.2	66.5				
LOC SCHEMECTADY	1250 52.8	67.1	75.3	79.6	81.5	80.6	78.3	75.1	72.0	68.1				
DATE 7/23/75	1600 53.9	68.4	76.6	80.8	81.5	80.9	78.9	75.5	71.5	68.7				
RJM 40/10	2000 50.6	66.9	74.8	79.4	80.5	81.3	79.4	76.5	71.6	68.8				
TAPE	2500 50.2	67.8	75.7	79.6	81.8	80.9	79.8	76.6	71.9	68.7				
FAN TIP SPEED 825. FT/SEC	3150 48.1	66.3	73.9	78.1	80.4	80.1	79.8	76.0	70.6	67.6				
	4000 43.5	62.3	70.6	75.1	76.3	76.5	76.5	72.5	67.5	65.1				
	5000 49.1	60.3	68.8	73.6	75.3	75.5	74.9	71.5	67.2	64.9				
	6300 34.5	55.2	65.3	70.1	72.9	72.2	72.2	69.2	64.6	63.1				
	8000 23.5	49.4	60.1	65.7	67.9	68.9	68.6	65.2	61.4	58.6				
	10000 6.4	38.9	51.5	57.4	61.1	62.7	62.9	58.9	56.1	52.4				
OVERALL CALCULATED	76.0	82.9	87.7	91.0	92.3	92.3	91.1	89.2	86.7	84.0				
PNDB	76.4	90.9	96.4	102.4	104.1	103.9	103.0	100.0	95.9	92.7				

SIDELINE 200. FT. ( 60.96 M)	50 76.5	83.2	86.0	87.8	87.1	86.3	86.5	85.6	85.3	83.8				
	63 78.0	81.8	84.1	86.0	87.5	87.3	85.7	83.1	81.2	79.8				
	80 81.7	85.2	86.5	86.8	87.9	88.9	89.6	88.7	87.1	84.7				
	100 80.3	86.0	87.9	88.5	89.4	89.4	89.8	89.4	88.3	86.5				
	125 74.6	80.1	84.0	86.2	86.5	86.1	84.7	83.9	82.7	80.8				
	160 70.6	76.7	79.7	80.6	80.7	81.0	80.4	80.1	78.9	76.2				
	200 70.3	76.3	79.8	82.0	82.9	82.7	82.1	79.7	78.8	76.4				
	250 67.4	74.2	79.2	81.4	81.5	82.4	81.3	79.7	78.0	75.6				
	315 64.1	72.0	77.0	79.8	79.9	81.3	79.2	77.6	75.4	72.7				
	400 63.1	71.8	78.9	81.2	81.1	80.2	78.7	77.3	75.1	71.7				
	500 61.3	70.7	77.8	81.5	82.5	81.9	79.1	77.5	74.7	71.6				
	630 68.0	78.5	85.4	89.9	90.8	91.6	88.5	88.3	83.6	77.5				
	800 69.8	80.5	87.2	92.2	93.7	93.9	91.2	89.9	86.0	78.9				
	1000 67.9	79.2	85.7	90.0	91.0	89.5	87.1	83.5	80.3	76.8				
	1250 67.9	80.2	87.2	90.7	92.3	91.1	88.6	85.4	82.4	78.6				
	1600 69.8	82.0	89.0	92.3	92.6	91.7	89.6	86.1	82.2	79.5				
	2000 67.3	81.1	87.6	91.4	91.9	92.4	90.4	87.4	82.5	79.9				
	2500 67.7	82.6	88.9	91.9	93.5	92.3	91.0	87.8	83.2	80.1				
	3150 67.0	82.0	87.8	91.0	92.6	92.0	91.5	87.7	82.3	79.6				
	4000 64.3	79.3	85.6	88.8	89.4	89.1	88.9	84.8	79.8	77.7				
	5000 62.1	78.1	84.4	87.9	88.8	88.5	87.7	84.2	80.0	78.0				
	6300 59.9	75.4	82.7	85.9	87.7	86.5	86.2	83.1	78.5	77.3				
	8000 54.8	73.1	80.2	83.8	84.8	85.0	84.4	80.8	77.2	74.8				
	10000 44.1	67.5	75.5	78.7	80.9	80.9	81.1	77.0	74.4	71.1				
OVERALL CALCULATED	86.9	94.1	99.0	102.1	103.1	102.8	101.4	99.1	96.2	93.5				
PNDB	92.7	105.6	111.5	114.6	115.9	115.4	114.4	111.3	107.1	104.3				



## FULL SIZE SOUND PRESSURE LEVELS SCALED FROM MODEL DATA (59 DEG. F, 70 PERCENT REL. HUM., DAY)

		ANGLES FROM INLET IN DEGREES (AND RADIANS)													
		20.	30.	40.	50.	60.	70.	80.	90.	100.	110.	0.	0.	0.	0.
		FREQ. (0.35)	(0.52)	(0.70)	(0.87)	(1.05)	(1.22)	(1.40)	(1.57)	(1.75)	(1.92)	(0.	(0.	(0.	(0.)
	50	61.7	67.4	72.0	73.2	72.3	73.4	74.3	73.5	73.1	72.4				
	63	60.4	64.5	68.2	71.4	73.9	74.4	73.1	71.0	68.6	67.0				
SIDELINE 500. FT.	80	65.6	69.6	70.1	71.2	73.1	75.2	75.9	75.6	74.2	71.2				
(152.40 M)	100	63.1	70.0	71.1	71.2	70.9	72.0	73.5	73.2	72.2	70.8				
NFA 1998. RPM	125	55.4	62.6	66.8	68.9	68.7	68.1	66.6	67.0	66.6	63.8				
( 209. RAD/SEC)	160	51.3	58.4	61.2	61.6	61.9	62.4	62.8	62.3	60.8	56.4				
NFK 1952. RPM	200	49.8	58.3	60.9	63.4	63.5	63.4	62.1	60.6	59.9	56.9				
( 204. RAD/SEC)	250	47.5	57.6	62.3	64.4	64.2	63.7	61.9	60.9	58.9	55.7				
NFB 3244. RPM	315	45.6	56.7	62.7	64.3	64.0	62.5	61.2	59.7	57.2	54.0				
( 340. RAD/SEC)	400	45.2	57.0	63.3	65.2	65.9	64.8	63.3	60.7	57.7	54.7				
AIRFLOW RATIO	500	44.0	56.5	63.7	67.2	67.1	65.3	63.5	61.5	58.5	54.5				
NF/NH 12.60	630	49.7	64.2	71.6	75.1	76.1	74.7	71.5	68.3	64.9	60.0				
	800	49.6	63.6	70.3	73.6	74.7	72.9	70.5	67.5	64.1	59.9				
VEHICLE UTMSIM	1000	47.2	61.3	67.6	72.2	72.6	71.1	67.9	65.0	62.3	57.8				
CONFIG HD/MALL	1250	54.6	68.5	76.7	81.2	78.6	76.7	74.6	72.6	67.4	65.2				
LCC SCHEMECTADY	1600	49.3	64.3	72.4	75.7	74.2	72.6	70.1	67.4	63.8	60.4				
DATE 7/23/75	2000	47.2	61.8	68.7	73.7	73.9	74.1	71.9	67.3	63.5	60.2				
RUN 46/11	2500	45.5	60.8	68.4	72.1	72.7	71.8	69.2	65.3	60.9	58.6				
TAPE	3150	42.3	60.4	68.1	71.2	72.7	71.9	69.3	65.4	60.7	57.9				
FAK TIP SPEED	4000	38.6	57.4	65.2	68.6	70.3	69.7	67.9	63.9	58.5	55.8				
619. FT/SEC	5000	35.1	54.4	61.6	66.0	67.3	66.6	65.3	60.6	55.8	52.9				
	6300	27.3	49.4	58.1	62.4	64.3	64.0	63.0	58.3	53.3	50.4				
	8000	18.7	41.5	52.1	57.3	59.5	59.1	58.2	54.3	48.4	46.5				
	10000	3.3	32.3	44.5	50.6	53.4	54.1	53.5	49.2	44.6	40.8				
OVERALL CALCULATED	69.9	77.3	82.6	85.9	85.7	85.1	83.8	82.1	80.1	78.0					
PND8	71.2	85.2	92.3	96.1	96.5	95.8	93.7	90.4	86.4	83.5					

ORIGINAL PAGE IS  
OF POOR QUALITY

	50	71.5	76.4	80.6	81.6	80.6	81.6	82.5	81.7	81.3	80.7				
	63	70.5	73.7	77.0	80.0	82.3	82.8	81.4	79.4	77.0	75.3				
SIDELINE 200. FT.	80	76.0	79.1	79.1	79.9	81.7	83.7	84.4	84.0	82.6	79.7				
( 60.96 M)	100	73.8	79.7	80.2	80.1	79.6	80.7	82.0	81.7	80.8	79.4				
	125	66.4	72.5	76.1	78.0	77.6	78.9	75.5	75.7	75.3	72.6				
	160	62.6	68.6	70.8	70.9	71.0	71.3	71.7	71.1	69.7	67.3				
	200	61.4	68.7	70.6	72.8	72.6	72.5	71.1	69.5	68.9	66.0				
	250	59.4	68.3	72.3	73.9	73.5	72.9	71.0	70.0	68.0	64.9				
	315	57.9	67.6	72.9	74.1	73.4	71.8	70.5	68.9	66.4	63.3				
	400	57.9	68.2	73.8	75.2	75.6	74.3	72.7	70.1	67.1	64.2				
	500	57.1	68.1	74.4	77.3	77.0	74.9	73.1	71.1	68.0	64.2				
	630	63.3	76.1	82.5	85.4	86.1	84.6	81.3	78.0	74.7	69.8				
	800	63.6	75.9	81.5	84.3	85.0	83.0	80.4	77.4	74.1	70.0				
	1000	61.8	73.9	79.1	83.1	83.1	81.4	78.1	75.1	72.4	68.1				
	1250	69.8	81.6	88.6	92.3	89.3	87.2	84.9	82.9	77.7	75.7				
	1600	65.2	77.9	84.8	87.3	85.3	83.4	80.7	78.0	74.5	71.2				
	2000	64.0	76.0	81.5	85.6	85.4	85.2	82.9	79.2	74.5	71.3				
	2500	63.0	75.6	81.6	84.4	84.5	83.2	80.4	76.5	72.1	70.1				
	3150	61.2	76.1	82.0	84.0	85.0	83.8	81.0	77.1	72.4	69.8				
	4000	59.4	74.4	80.2	82.4	83.4	82.3	80.3	76.3	70.9	68.4				
	5000	57.1	72.2	77.2	80.3	80.8	79.6	78.1	73.3	68.6	66.0				
	6300	52.6	69.5	75.5	78.2	79.2	78.2	76.9	72.2	67.3	64.7				
	8000	49.2	65.1	72.2	75.4	76.4	75.2	74.0	69.9	64.1	62.6				
	10000	41.0	60.9	68.5	72.0	73.2	72.8	71.7	67.2	62.8	59.6				
OVERALL CALCULATED	81.0	88.9	94.1	97.0	96.3	95.3	93.6	91.5	89.1	87.0					
PND8	87.3	100.0	105.7	108.1	108.5	107.4	105.1	101.7	97.8	95.0					