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## Transonic Steady- and Unsteady-Pressure Measurements on a High-Aspect-Ratio Supercritical-Wing Model With Oscillating Control Surfaces

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Maynard C. Sandford, Rodney H. Ricketts,  
and F. W. Cazier, Jr.

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Measurements on a High-Aspect-Ratio  
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Oscillating Control Surfaces

Maynard C. Sandford, Rodney H. Ricketts,  
and F. W. Cazier, Jr.  
*Langley Research Center  
Hampton, Virginia*

**NASA**

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and Space Administration

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## SUMMARY

Transonic steady- and unsteady-pressure measurement studies on a model with a large three-dimensional wing representative of an energy-efficient transport configuration have been conducted in the Langley Transonic Dynamics Tunnel at Reynolds numbers of  $2.2 \times 10^6$  and  $4.7 \times 10^6$  based on wing average chord. Steady-pressure measurements were taken at 252 static orifices distributed over the entire wing for Mach numbers from 0.40 to 0.84. Unsteady-pressure measurements were taken by 164 in situ dynamic-pressure gages distributed over the entire wing for the wing design Mach number of 0.78. The model configuration consisted of a sidewall-mounted half-body fuselage and semi-span wing with an aspect ratio of 10.76, a leading-edge sweepback angle of  $28.8^\circ$ , and a supercritical airfoil section. The wing was equipped with five leading-edge and trailing-edge oscillating control surfaces. Only two trailing-edge control surfaces were studied in the present tests, however. Test variables included wing incidence angle, control-surface mean deflection angle, control-surface oscillating deflection angle, and control-surface oscillation frequency. The experimental results have been tabulated in basic-pressure-coefficient form and are presented without analysis or discussion to expedite their availability for the development and validation of transonic unsteady theories and for current design studies of energy-efficient transport aircraft configurations.

## INTRODUCTION

The design of active control systems for energy-efficient transports with supercritical wings requires an understanding of both steady and unsteady transonic aerodynamics. Though much unsteady aerodynamic work is presently in progress (refs. 1 and 2), the situation is still unsatisfactory. Thus, a research program was initiated at the National Aeronautics and Space Administration (NASA) Langley Research Center to aid in understanding unsteady transonic flow phenomena by generating a comprehensive data base of measured steady and unsteady pressures on a three-dimensional, semispan wind-tunnel-model wing with both leading-edge and trailing-edge oscillating control surfaces.

Initial wind-tunnel tests included the use of only two trailing-edge control surfaces for generating unsteady aerodynamics. One control surface was an inboard control located between 10 and 24 percent semispan and the other was an outboard control located between 59 and 79 percent semispan. The investigation was conducted in the Langley Transonic Dynamics Tunnel with a Freon<sup>1</sup> test medium at Mach numbers up to 0.84.

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<sup>1</sup>Freon: Registered trademark of E. I. du Pont de Nemours & Co., Inc.

The purpose of the present report is to expedite the dissemination of the measured unsteady-pressure data results obtained in the initial wind-tunnel investigation. The results are presented in basic-pressure-coefficient form. A complete review and analysis of the data is in progress, and a comprehensive summary of the results will be published at a later date.

Use of trade names or names of manufacturers in this report does not constitute an official endorsement of such products or manufacturers, either expressed or implied, by the National Aeronautics and Space Administration.

#### SYMBOLS

b	semichord at $y = 0.0, 0.400$ m
c	wing streamwise local chord, m
$C_D$	drag coefficient
$C_L$	lift coefficient
$C_p$	pressure coefficient (CP in computer-generated tables)
M	free-stream Mach number
p	local static pressure at any point on wing surface, kPa
P	free-stream static pressure, kPa
Q	free-stream dynamic pressure, kPa
R	Reynolds number based on average chord of 0.425 m (RN in computer-generated tables)
t/c	thickness-to-chord ratio
V	free-stream velocity, m/sec
x/c	local-chord location (X/C in computer-generated tables)
x	chordwise or streamwise coordinate, m
y	spanwise coordinate, m
z	vertical coordinate, positive up, m
$\omega$	oscillation frequency, rad/sec

The following symbols are used in the tables.

ALPHA	wing angle of attack, positive for leading edge up, deg ( $\alpha$ in fig. 8)
-------	---

CPL lower-surface steady-pressure coefficient,  $(p - P)/Q$

CPSTAR pressure coefficient at the critical Mach number

CPU upper-surface steady-pressure coefficient,  $(p - P)/Q$

DCP lifting-surface steady-pressure coefficient, CPL - CPU

DELTA control-surface static angle about hinge line, positive for trailing edge down, deg

DELTA CP difference between upper-surface and lower-surface unsteady-pressure coefficients

DELTA6 inboard control-surface static angle about hinge line, positive for trailing edge down, deg

DELTA9 outboard control-surface static angle about hinge line, positive for trailing edge down, deg

GAMMA ratio of specific heat at constant pressure to specific heat at constant volume

H stagnation pressure, kPa

K reduced frequency,  $\frac{b\omega}{V}$

LOWER CP lower-surface unsteady-pressure coefficient

MAG magnitude of unsteady-pressure coefficient

ML lower-surface local Mach number

MJ upper-surface local Mach number

OSCILLATING DELTA amplitude of control-surface oscillation, deg

OSCILLATING DELTA6 amplitude of inboard control-surface oscillation, deg

OSCILLATING DELTA9 amplitude of outboard control-surface oscillation, deg

OSCILLATING FREQUENCY frequency of control-surface oscillation, Hz

PHASE phase angle of unsteady pressure, referenced to control-surface position, deg

UPPER CP upper-surface unsteady-pressure coefficient

## MODEL

The model configuration used in this study was chosen to be representative of an energy-efficient transport for two reasons. First, it was desirable that the measured unsteady pressures have immediate benefit for the design of active control systems presently proposed for use on current energy-efficient transport designs. Second, it was felt that a complete data base of measured transonic unsteady pressures on a three-dimensional wing was essential for validating transonic unsteady aerodynamic theories currently being formulated.

A photograph of the wing model mounted in the Langley Transonic Dynamics Tunnel is shown in figure 1. The model geometric properties are given in figures 2 to 4. The wing has a leading-edge sweepback angle of  $28.8^\circ$ , an aspect ratio of 10.76, and a NASA supercritical airfoil with thickness-to-chord ratios of 16, 14, and 12 percent at the 0.219-, 0.876-, and 2.286-m wing stations. The airfoil contour data are given in table 1. The airfoil sections at intermediate stations are defined by straight line interpolation along constant-percent-chord lines. The model is equipped with multiple control surfaces which include five leading-edge surfaces hinged about the 15 percent chord and five trailing-edge surfaces hinged at about 80 percent chord. Each control surface can be oscillated independently by an electrohydraulic servo actuation system. The actuator angular-displacement capability is approximately  $\pm 15^\circ$ . The amplitude response is flat over a frequency range of 0 to 25 Hz. A typical control-surface measured closed-loop frequency response is shown in figure 5.

The test included the use of only two trailing-edge control surfaces - one inboard nearest the wing root (number 6) and one outboard second from the tip (number 9). (See fig. 2.) Both the mean angle and the amplitude of oscillation of each control surface were set easily to the desired values with the electrohydraulic servo actuation system.

The semispan wing was mounted to the tunnel side wall on a controllable drum mechanism which allowed the wing angle of attack to be set to a desired value.

## INSTRUMENTATION

Steady- and unsteady-pressure distributions were measured on both the upper and lower surfaces along nine different spanwise stations. The spanwise stations are designated hereafter as chord 1 to chord 9, chord 1 being the most inboard station and chord 9 being the most outboard station. A total of 252 static-pressure orifices were installed on the wing. Half of the orifices were located on the upper surface, and the other half were located on the lower surface at corresponding locations to facilitate obtaining lifting pressure distributions. Spanwise and chordwise locations for each static-pressure orifice are given in table 2. A total of 164 dynamic-pressure transducers were installed on the wing, also with half on the upper surface and half on the lower surface at corresponding locations. Spanwise and chordwise locations for each dynamic pressure transducer are given in table 3. The dynamic transducers were 34.47-kPa (5.00-psi) differential-pressure gages. The reference side of each

transducer was connected through a long tube to an adjacent static-pressure orifice so that the dynamic-pressure gages measured only the unsteady portion of the total pressure.

The control-surface motion was recorded with precision potentiometers coupled directly to the control-surface shaft.

The semispan-wing model was mounted on a five-component balance which was capable of measuring wing lift and drag forces along with pitch, roll, and yaw moments.

#### WIND TUNNEL

This test was conducted in Freon 12 in the Langley Transonic Dynamics Tunnel. This facility is a slotted-throat, single-return wind tunnel that has a 4.88-m (16.00-ft) square test section with cropped corners. The stagnation pressure can be varied from slightly above atmospheric pressure to near vacuum over the Mach number range from 0 to 1.2. The tunnel is of the continuous-operation type and is powered by a motor-driven fan. Both test section Mach number and density are continuously controllable.

#### DATA ACQUISITION

The data-acquisition system (DAS) described in reference 3 consists of a Xerox Sigma 5<sup>2</sup> digital computer interfaced with 50 DC analog amplifiers. This digital/analog system is capable of processing a total of 50 000 data samples per second. A six-position electronic switching network connected to 40 analog amplifiers provides the capability to process 250 channels of information.

The steady pressures were measured by use of a scanning-valve mechanism which consists of six separate barrel heads, each with 48 ports, driven by a single mechanical scanning device. Each of the six barrel heads has a separate precision differential-pressure transducer for measuring the pressure. All steady-pressure measurements have been referenced to the free-stream static pressure. The present data-reduction procedure results in six simultaneous pressure measurements each time the scanning mechanism moves to a new location or port. With only 42 ports being used on each barrel head, a total of 252 model static measurements were made each time the scanning-valve system was activated. A delay time of 0.3 sec was used to allow the pressure in the tubes to stabilize before making data measurements. Data were accumulated for 0.9 sec at a rate of 333 samples per second to obtain a mean value. Therefore, with stabilized tunnel conditions and a set model configuration, the total time necessary to acquire 252 model static pressures was about 50 sec.

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<sup>2</sup>Xerox Sigma 5 computer: Product of Xerox Corp.

The unsteady pressures were measured with individual in situ miniature differential-pressure gages mounted flush to the airfoil surface. Each unsteady-pressure gage was referenced to a local static pressure in close proximity to the gage location to obtain maximum resolution of the gage (34.47 kPa (5.00 psi) equals full scale). The present data-acquisition procedure takes 28 simultaneous unsteady-pressure measurements by using 28 individual analog amplifiers. Each amplifier was shared by as many as six unsteady-pressure gages through the six position electronic switching network. A total of 164 pressure readings were acquired in sequential groups of 28 possible measurements. (Two of the six switch positions used only 26 amplifiers.) The pressure measurements were immediately recorded at a rate of 1000 samples per second on digital tape. The data were recorded at each switch position for 5, 10, and 15 sec for control-surface frequencies of 15, 10, and 5 Hz. Therefore, with stabilized tunnel conditions and a set model configuration, the total time necessary to record 164 model unsteady pressures on all switch positions was about 30, 60, and 90 sec for 15, 10, and 5 Hz. The test engineer had the option of tape playback and data reduction during the test run or anytime following the completed test run.

The steady- and unsteady-pressure measurements are accurate to within  $\pm 0.75$  percent of full scale. This value is derived from two factors. First, the pressure-gage nonlinearity and hysteresis factor established from manufacturer's data to be 0.5 percent of full scale, and second, the DAS accuracy factor established through regular maintenance procedure to be 0.25 percent of full scale.

The lift, drag, pitch, roll, and yaw measurements were obtained with a strain-gage balance system. A 0.9-sec record of each strain-gage signal was taken at a rate of 333 samples per second to obtain mean values which were properly processed with an interactive balance routine to determine the desired forces and moments on the semispan-wing model.

#### DYNAMIC-DATA ANALYSIS

The dynamic-pressure data were analyzed with a Fourier transform at the control-surface frequency to obtain the fundamental component of the pressure (amplitude and phase angle) relative to the control-surface motion. As stated previously, 28 dynamic-pressure transducer signals were recorded simultaneously at a rate of 1000 samples per second. To analyze 28 channels of data simultaneously, it was necessary to limit the number of samples per channel to 1000 samples due to the computer memory limitations. Because a 1.0-sec long record was considered to be very short, a study was conducted to determine if converged results could be obtained by using a lower sampling rate. This study was made with data from a single transducer which was located near a known shock wave. A comparison was made of the amplitude and phase determined by analyzing the complete time history at 1000 samples per second with the amplitude and phase determined by analyzing the data at lower sample rates. This comparison demonstrated that a much lower sample rate gave acceptable results. Therefore, between 70 and 80 complete cycles of oscillation were analyzed, depending on the frequency of the data.



All unsteady-pressure results presented herein were analyzed at sample rates of 71, 125, and 200 samples per second for the 5-, 10-, and 15-Hz data. This corresponds to record lengths of 14, 8, and 5 seconds per channel.

## PRESENTATION OF DATA

### Steady-Pressure Measurements

A summary of the static-pressure test conditions is presented in table 4 for convenience of identifying and locating a desired set of static-pressure data. Pressure-measurement conditions are presented at several Mach numbers from 0.40 to 0.82 and Reynolds numbers (based on the wing average chord) of  $2.2 \times 10^6$  and  $4.7 \times 10^6$ . At the given test conditions, the model configuration variations included angles of attack from  $4.00^\circ$  to  $-3.00^\circ$  and control-surface deflection angles from  $-6.0^\circ$  to  $12.0^\circ$  for control-surface number 6 and from  $-9.0^\circ$  to  $9.0^\circ$  for control-surface number 9. The steady-pressure measurements are given in coefficient form in table 5. Each test configuration is identified by a point number which is located in the first column of table 4 and in the upper lefthand corner of each page of table 5. Given in table 5 for each test configuration are the local-chord location  $X/C$ , the upper-surface steady-pressure coefficient  $C_{PU}$ , the lower-surface steady-pressure coefficient  $C_{PL}$ , the difference (lifting-surface steady-pressure coefficient)  $DCP$ , the upper-surface local Mach number  $MU$ , and the lower-surface local Mach number  $ML$  for each of the nine different chord locations at which the model pressure measurements were taken.

Also included in table 5 are measured values of the wing lift, drag, pitch, roll, and yaw coefficients obtained from balance measurements for selected test configurations of interest. These force and moment coefficients are located in the lower righthand section of the page.

Some basic aerodynamic characteristics are presented in figures 6, 7, and 8 for a quick evaluation of the supercritical-wing configuration used in the present pressure-measurement investigation. Figure 6 shows the variation of drag coefficient with lift coefficient as a function of Mach number for two different Reynolds numbers. Figure 7 shows the variation of drag coefficient with Mach number for a constant lift coefficient of 0.54. Figure 8 illustrates the steady chordwise pressure distributions at four different chord locations along the wing span.

### Unsteady-Pressure Measurements

A summary of the dynamic-pressure test conditions is presented in table 6 for convenience of identifying and locating a desired set of unsteady-pressure data. Wing-pressure-measurement conditions at a single Mach number of 0.78 are presented for two Reynolds numbers based on the wing average chord equal to  $2.2 \times 10^6$  and  $4.7 \times 10^6$ . At these conditions, the model-parameter variations included angles of attack of  $0^\circ$  and  $2.05^\circ$  for  $R = 2.2 \times 10^6$  and angles of attack of  $0^\circ$  and  $2.47^\circ$  for  $R = 4.7 \times 10^6$ . At each angle of attack, the two control surfaces were tested independently for three different mean deflection

angles (0°, 3°, and 6° for control-surface number 6 and -3°, 0°, and 3° for control-surface number 9) at three different amplitudes of oscillation (±2°, ±4°, and ±6°) and three different frequencies of oscillation (5, 10, and 15 Hz).

The reduced frequency parameter  $\frac{b\omega}{V}$  covers a range from roughly 0.1 to 0.3

for the test conditions. The unsteady-pressure measurements are given in table 7 in the form of magnitude and phase angle. All phase-angle values are referenced to the control-surface motion and the magnitudes are given in pressure-coefficient form. Presented in table 7 for each dynamic-pressure transducer are the local-chord location  $X/C$ , the magnitude and phase components for the upper-surface unsteady-pressure coefficient UPPER CP, the lower-surface unsteady-pressure coefficient LOWER CP, and the difference (lifting-surface unsteady-pressure coefficient) DELTA CP for each of the nine different chord locations along the wing span at which the model pressure measurements were taken.

#### CONCLUDING REMARKS

Transonic steady- and unsteady-pressure results from the initial tests conducted in the Langley Transonic Dynamics Tunnel at two Reynolds numbers on a supercritical-wing model with an aspect ratio of 10.76 and with oscillating control surfaces have been presented. Early release of these experimental results is intended to help analysts in the development and validation of transonic unsteady-flow theories and to help designers of energy-efficient transport aircraft.

Langley Research Center  
National Aeronautics and Space Administration  
Hampton, VA 23665  
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2. Davis, Sanford S.; and Malcolm, Gerald N.: Experiments in Unsteady Transonic Flow. A Collection of Technical Papers on Design and Loads - AIAA/ASME/ASCE/AHS 20th Structures, Structural Dynamics, and Materials Conference, Apr. 1979, pp. 192-208. (Available as AIAA Paper 79-0769.)
3. Cole, Patricia H.: Wind Tunnel Real-Time Data Acquisition System. NASA TM-80081, 1979.

TABLE 1.- AIRFOIL COORDINATES

[c = 0.1905 m]

(a) Wing station 2.286 m

x/c	z/c		x/c	z/c		x/c	z/c	
	Upper surface	Lower surface		Upper surface	Lower surface		Upper surface	Lower surface
0.0	-0.017456	-0.017456	0.33	0.053644	-0.065624	0.68	0.053964	-0.024752
.002	-.007712	-.025240	.34	.054116	-.065392	.69	.053396	-.022584
.005	-.002664	-.030528	.35	.054644	-.065144	.70	.052744	-.020324
.01	.003280	-.035388	.36	.055092	-.065812	.71	.052096	-.018060
.02	.008744	-.041160	.37	.055520	-.064464	.72	.051432	-.015796
.03	.013252	-.044924	.38	.055868	-.064116	.73	.050684	-.013532
.04	.016772	-.047824	.39	.056216	-.063684	.74	.049936	-.011268
.05	.019712	-.050116	.40	.056544	-.063236	.75	.049156	-.009004
.06	.022340	-.052088	.41	.056792	-.062704	.76	.048224	-.006740
.07	.024680	-.053764	.42	.057044	-.062236	.77	.047344	-.004576
.08	.026812	-.055232	.43	.057292	-.061624	.78	.046300	-.002412
.09	.028756	-.056504	.44	.057516	-.060972	.79	.045252	-.000452
.10	.030600	-.057664	.45	.057668	-.060324	.80	.044192	.001508
.11	.032324	-.058724	.46	.057816	-.059508	.81	.043048	.003364
.12	.033864	-.059684	.47	.057944	-.058660	.82	.041876	.005016
.13	.035316	-.060548	.48	.058016	-.057808	.83	.040532	.006676
.14	.036756	-.061312	.49	.058140	-.056872	.84	.039192	.008124
.15	.038092	-.061976	.50	.058168	-.055924	.85	.037836	.009472
.16	.039344	-.062624	.51	.058140	-.054804	.86	.036384	.010512
.17	.040576	-.063188	.52	.058168	-.053652	.87	.034844	.011460
.18	.041732	-.063656	.53	.058116	-.052412	.88	.033284	.012096
.19	.042864	-.064104	.54	.058064	-.051076	.89	.031544	.012640
.20	.043896	-.064472	.55	.057992	-.049636	.90	.029808	.012980
.21	.044848	-.064824	.56	.057844	-.048180	.91	.028052	.013016
.22	.045796	-.065172	.57	.057692	-.046552	.92	.026116	.012856
.23	.046728	-.065440	.58	.057520	-.044896	.93	.024176	.012392
.24	.047580	-.065612	.59	.057272	-.043152	.94	.022136	.011632
.25	.048428	-.065760	.60	.057020	-.041308	.95	-----	-----
.26	.049260	-.065912	.61	.056768	-.039448	.96	-----	-----
.27	.049988	-.065980	.62	.056500	-.037500	.97	.015528	.007672
.28	.050660	-.066032	.63	.056148	-.035448	.98	.013000	.005828
.29	.051368	-.066000	.64	.055780	-.033388	.99	.010276	.003592
.30	.051936	-.065952	.65	.055348	-.031324	1.00	.007456	.001064
.31	.052568	-.065904	.66	.054960	-.029172			
.32	.053116	-.065772	.67	.054432	-.027008			

TABLE 1.- Continued

[c = 0.42555 m]

(b) Wing station 0.876 m

x/c	z/c		x/c	z/c		x/c	z/c	
	Upper surface	Lower surface		Upper surface	Lower surface		Upper surface	Lower surface
0.0	-0.004363	-0.004363	0.33	0.067929	-0.070967	0.68	0.057312	-0.033371
.002	.006623	-.014660	.34	.068216	-.070985	.69	.056300	-.031080
.005	.012552	-.020550	.35	.068497	-.070997	.70	.055282	-.028787
.01	.018367	-.026352	.36	.068685	-.070916	.71	.054170	-.026497
.02	.025639	-.033503	.37	.068866	-.070829	.72	.053054	-.024204
.03	.030611	-.038257	.38	.068953	-.070648	.73	.051844	-.021913
.04	.034390	-.041987	.39	.069039	-.070460	.74	.050627	-.019621
.05	.037569	-.044918	.40	.069120	-.070179	.75	.049311	-.017330
.06	.040250	-.047536	.41	.069108	-.069890	.76	.047900	-.015038
.07	.042634	-.049759	.42	.069095	-.069604	.77	.046485	-.012847
.08	.044812	-.051679	.43	.069082	-.069222	.78	.044970	-.010755
.09	.046698	-.053493	.44	.069063	-.068739	.79	.043359	-.008765
.10	.048484	-.055112	.45	-----	-----	.80	.041744	-.006874
.11	.050307	-.056627	.46	.068832	-.067669	.81	.040035	-.005185
.12	-----	-.057947	.47	.068619	-.066987	.82	.038321	-.003596
.13	.053031	-.059259	.48	.068405	-.066299	.83	.036507	-.002108
.14	.054315	-.060475	.49	.068194	-.065516	.84	.034598	-.000820
.15	.055503	-.061496	.50	.067974	-.064633	.85	.032685	.000265
.16	.056687	-.062508	.51	.067662	-.063650	.86	.030677	.001152
.17	.057768	-.063425	.52	.067349	-.062568	.87	.028664	.001838
.18	.058757	-.064336	.53	.067030	-.061385	.88	.026552	.002321
.19	.059740	-.065153	.54	.066618	-.060100	.89	.024342	.002606
.20	.060627	-.065871	.55	.066199	-.058716	.90	.022033	.002692
.21	.061510	-.066584	.56	.065687	-.057231	.91	.019725	.002475
.22	.062291	-.067200	.57	.065174	-.055646	.92	.017314	.002060
.23	.062979	-.067813	.58	.064662	-.053961	.93	.014807	.001345
.24	.063666	-.068332	.59	.064143	-.052175	.94	.012199	.000330
.25	.064349	-.068844	.60	.063530	-.050287	.95	.009591	-.000985
.26	.064936	-.069262	.61	.062919	-.048398	.96	-----	-----
.27	.065516	-.069735	.62	.062300	-.046410	.97	.004078	-.004510
.28	.066005	-.069992	.63	.061582	-.044323	.98	.001171	-.006720
.29	.066485	-.070306	.64	.060770	-.042231	.99	-.001932	-.009328
.30	.066874	-.070522	.65	.059959	-.040044	1.00	-.005137	-.012134
.31	.067261	-.070736	.66	.059140	-.037852			
.32	.067642	-.070854	.67	.058229	-.035662			

TABLE 1.- Concluded

[c = 0.7066 m]

(c) Wing station 0.219 m

x/c	z/c		x/c	z/c		x/c	z/c	
	Upper surface	Lower surface		Upper surface	Lower surface		Upper surface	Lower surface
0.0	-0.001656	-0.001656	0.33	0.065543	-0.092656	0.68	0.021513	-0.058216
.002	.011844	-.015157	.34	.064993	-.092656	.69	.019684	-.056546
.005	.018344	-.021657	.35	.064393	-.092606	.70	.017833	-.054896
.01	.025844	-.029157	.36	.063743	-.092506	.71	.015973	-.053286
.02	.034843	-.038156	.37	.063043	-.092376	.72	.014084	-.051716
.03	.040343	-.045156	.38	.062294	-.092226	.73	.012174	-.050217
.04	.044843	-.050657	.39	.061494	-.092046	.74	.010244	-.048766
.05	.048344	-.055156	.40	.060644	-.091846	.75	.008294	-.047367
.06	.051344	-.059157	.41	.059743	-.091596	.76	.006324	-.046066
.07	.054043	-.062656	.42	.058793	-.091296	.77	.004344	-.044837
.08	.056343	-.065756	.43	.057824	-.090896	.78	.002343	-.043686
.09	.058344	-.068556	.44	.056823	-.090456	.79	.000344	-.042637
.10	.060043	-.071056	.45	.055744	-.089906	.80	-.001656	-.041687
.11	.061443	-.073256	.46	.054644	-.089256	.81	-.003657	-.040836
.12	.062643	-.075356	.47	.053493	-.088506	.82	-.005656	-.040086
.13	.063643	-.077257	.48	.052323	-.087706	.83	-.007657	-.039436
.14	.064543	-.079056	.49	.051124	-.086806	.84	-.009656	-.038907
.15	.065343	-.080756	.50	.049844	-.085806	.85	-.011656	-.038476
.16	.066043	-.082356	.51	.048543	-.084706	.86	-.013657	-.038156
.17	.066643	-.083756	.52	.047223	-.083506	.87	-.015656	-.037956
.18	.067143	-.085057	.53	.045873	-.082256	.88	-.017657	-.037797
.19	.067543	-.086256	.54	.044473	-.080957	.89	-.019656	-.037846
.20	.067843	-.087356	.55	.043043	-.079556	.90	-.021656	-.037996
.21	.068044	-.088256	.56	.041564	-.078106	.91	-.023657	-.038247
.22	.068194	-.089056	.57	.040064	-.076606	.92	-.025656	-.038647
.23	.068243	-.089756	.58	.038543	-.075057	.93	-.027657	-.039197
.24	.068243	-.090356	.59	.036984	-.073456	.94	-.029656	-.039896
.25	.068143	-.090856	.60	.035383	-.071826	.95	-----	-----
.26	.067993	-.091256	.61	.033743	-.070166	.96	-----	-----
.27	.067794	-.091606	.62	.032063	-.068467	.97	-.035656	-.043007
.28	.067543	-.091907	.63	.030363	-.066756	.98	-.037657	-.044416
.29	.067244	-.092156	.64	.028643	-.065036	.99	-.039656	-.046007
.30	.066893	-.092356	.65	.026893	-.063316	1.00	-.041656	-.047706
.31	.066493	-.092506	.66	.025123	-.061606			
.32	.066043	-.092606	.67	.023324	-.059906			

TABLE 2.- STATIC-PRESSURE-ORIFICE LOCATIONS

Chord	1	2	3	4	5	6	7	8	9
Span station, cm	43.155	52.197	57.277	76.022	117.221	162.941	179.070	184.150	209.931
Fraction of span	0.1888	0.2283	0.2506	0.3326	0.5128	0.7128	0.7833	0.8056	0.9183
Local chord, cm	61.570	57.683	55.524	47.498	37.617	29.997	27.305	26.467	22.174
x/c	Local chordwise location, cm								
0.01	0.615	-----	-----	-----	0.376	0.230	-----	-----	-----
.03	1.847	-----	-----	-----	1.128	.899	-----	-----	-----
.05	3.078	2.883	2.776	2.375	1.880	1.499	1.364	1.323	1.107
.07	4.310	-----	-----	-----	2.634	2.101	-----	-----	-----
.12	7.389	6.922	6.662	5.700	4.154	3.599	3.277	3.175	2.662
.20	12.314	11.537	11.105	9.500	7.523	5.999	5.461	5.293	4.435
.30	18.471	17.305	16.657	14.249	11.285	8.999	8.192	7.940	6.652
.35	21.549	20.190	19.434	16.624	13.167	10.500	9.555	9.263	7.762
.45	27.706	25.959	24.986	21.374	16.927	13.498	12.286	11.910	9.977
.50	30.785	28.842	27.762	23.749	18.809	14.999	13.653	13.233	11.087
.60	36.492	34.610	33.315	28.499	22.570	17.998	16.383	15.880	13.305
.70	43.099	40.378	38.867	33.249	26.332	20.998	19.114	18.527	15.522
.75	46.177	43.264	41.643	35.624	28.214	22.499	20.480	19.850	16.629
.85	52.334	49.030	47.196	40.373	31.976	25.497	23.308	22.497	18.847
.90	55.413	51.915	49.972	42.748	33.856	26.998	24.575	23.820	19.957
.95	58.491	54.798	52.748	45.123	35.735	28.496	25.938	25.143	21.064

TABLE 3.- DYNAMIC-PRESSURE-TRANSDUCER LOCATIONS

Chord	1	2	3	4	5	6	7	8	9
Span station, cm	41.859	53.467	56.007	74.752	115.951	161.671	180.340	182.880	208.661
Fraction of span	.1831	.2339	.2450	.3270	.5072	.7072	.7889	.8000	.9128
Local chord, cm	62.103	57.150	56.058	48.057	37.821	30.201	27.102	26.670	22.377
$x/c$	Local chordwise location, cm								
0.05	3.104	2.858	2.804	2.403	1.890	1.511	1.354	1.334	1.120
.12	7.452	6.858	6.726	5.766	4.539	3.625	3.251	3.200	2.685
.20	12.421	11.430	11.211	9.611	7.564	6.040	5.420	5.334	4.475
.30	18.631	-----	-----	-----	-----	9.060	-----	-----	-----
.35	21.735	20.003	-----	16.820	13.238	10.569	9.484	-----	7.831
.45	27.945	-----	-----	-----	-----	13.589	-----	-----	-----
.50	31.052	-----	-----	-----	-----	15.100	-----	-----	-----
.60	37.262	34.290	-----	28.834	22.692	18.120	16.261	-----	13.426
.70	43.472	-----	-----	-----	-----	21.140	-----	-----	-----
.75	46.576	42.863	42.045	36.043	28.364	22.649	20.325	20.003	16.784
.85	52.786	48.578	47.650	40.848	32.146	25.669	23.035	22.670	19.020
.90	55.893	51.435	50.452	-----	-----	27.181	24.392	24.003	-----
.95	58.997	54.293	53.254	45.654	35.928	28.689	25.745	25.337	21.260

TABLE 4.- SUMMARY OF STEADY-PRESSURE TEST PROGRAM

Point number	Mach number	Reynolds number	ALPHA, deg	Comments
193	0.82	$2.2 \times 10^6$	0	Balance data
194	.82		2.43	
195	.80		0	Balance data
196	.80		2.25	
197	.80		2.25	
198	.78		0	Balance data
199			2.58	
200			4.00	Balance data
201			3.00	Balance data
202			2.00	Balance data
203			1.00	Balance data
204			0	
205			-1.00	
206			-2.00	
207			-3.00	
211	.75		0	Balance data
212	.75		2.38	
213	.70		0	Balance data
214	.70		2.66	
215	.60		0	Balance data
216	.60		2.92	
218	.40		0	Balance data
219	.40		3.83	



TABLE 4.- Continued

Point number	Mach number	Reynolds number	ALPHA, deg	Comments	
226	0.82	$4.7 \times 10^6$	0	Balance data	
227	.82	↓	2.21		
228	.80		0	Balance data	
229	.80		2.21		
230	.78		0		
231			2.48		
232			4.00		
232			3.00	Balance data	
232			2.00	Balance data	
232			1.00	Balance data	
232			0	Balance data	
232			-1.00		
232			-2.00		
232	↓		-3.00		
234	.75			0	Balance data
235	.75			2.75	
237	.70			0	Balance data
238	.70			3.08	
239	.60		0	Balance data	
241	.60		3.42		
242	.40		0	Balance data	
243	.40	↓	4.00		

TABLE 4.- Continued

Point number	Mach number	Reynolds number	ALPHA, deg	Comments
247	0.78	$2.2 \times 10^6$	0	Repeat of point 198
248	.78		2.58	Repeat of point 199
257	.82		0	
258	.82		1.77	
259	.80		0	
260	.80		1.76	
261	.78		0	
262			2.12	
265			0	DELTA6 = 0°; OSCILLATING DELTA6 = ±2° at 5 Hz
266			0	DELTA6 = 0°; OSCILLATING DELTA6 = ±2° at 5 Hz
272			0	DELTA6 = 0°; OSCILLATING DELTA6 = ±6° at 10 Hz
273			0	DELTA6 = 0°; OSCILLATING DELTA6 = ±6° at 10 Hz
274			0	DELTA6 = 3.0°
286			0	DELTA6 = 3.0°; OSCILLATING DELTA6 = ±6° at 10 Hz
288			0	DELTA6 = 6.0°
292			0	DELTA6 = 6.0°; OSCILLATING DELTA6 = ±6° at 10 Hz
403			0	DELTA9 = -3.0°
405			0	DELTA9 = 3.0°
409			2.05	DELTA6 = 0°; balance data
410			2.05	DELTA6 = 12.0°; balance data
411			2.05	DELTA6 = 10.0°; balance data
412			2.05	DELTA6 = 8.0°; balance data
413			2.05	DELTA6 = 6.0°; balance data
414			2.05	DELTA6 = 4.0°; balance data

TABLE 4.- Concluded

Point number	Mach number	Reynolds number	ALPHA, deg	Comments			
415	0.78	$2.2 \times 10^6$	2.05	DELTA6 = 2.0°; balance data			
416	↓	↓	↓	DELTA6 = 0°; balance data			
417				DELTA6 = -2.0°; balance data			
418				DELTA6 = -4.0°; balance data			
419				DELTA6 = -6.0°; balance data			
420				DELTA9 = 0°; balance data			
421				DELTA9 = 9.0°; balance data			
422				DELTA9 = 6.0°; balance data			
423				DELTA9 = 4.0°; balance data			
425				DELTA9 = 2.0°; balance data			
426				DELTA9 = 0°; balance data			
429				DELTA9 = -2.0°; balance data			
430				DELTA9 = -4.0°; balance data			
431				DELTA9 = -6.0°; balance data			
432				DELTA9 = -9.0°; balance data			
522					$4.7 \times 10^6$	2.47	Balance data
543					↓	↓	DELTA6 = 3.0°; balance data
551					↓	↓	DELTA6 = 6.0°; balance data
576		↓	↓	DELTA9 = 3.0°; balance data			
586		↓	↓	DELTA9 = -3.0°; balance data			







TABLE 5.- Continued

POINT NUMBER 196		MACH = .799 Q = 3.984 KPA		RN = 2.200+10E6 GAMMA = 1.132		H = 15.696 KPA P = 11.019 KPA		ALPHA = 2.251 DEG DELTA6 = -.609 DEG		CPSTAR = -.489					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.111	.490	.601	.845	.584	CHORD 6	.01	-.516	.498	1.014	1.011	.580		
	.03	-.685			1.082			.03	-.974	.212	1.186	1.207	.709		
	.05	-.969	.136	1.104	1.205	.742		.05	-1.095	.053	1.148	1.262	.776		
	.07	-.965	-.124	.841	1.203	.850		.07	-1.173	-.046	1.127	1.299	.818		
	.12	-1.075	-.272	.802	1.253	.911		.12	-1.136	-.104	1.031	1.281	.842		
	.20	-1.004	-.390	.614	1.221	.959		.20	-1.152	-.151	1.002	1.289	.861		
	.30	-.942	-.365	.576	1.193	.949		.30	-1.122	-.218	.904	1.275	.889		
	.35	-.903	-.361	.541	1.176	.947		.35	-1.123	-.242	.880	1.275	.899		
	.45	-.879	-.395	.484	1.165	.961		.45	-1.096	-.251	.845	1.263	.902		
	.50	-.807	-.359	.447	1.134	.947		.50	-1.048	-.229	.819	1.241	.893		
	.60	-.516	-.096	.420	1.011	.838		.60	-.816	-.041	.775	1.138	.816		
	.70	-.357	.149	.506	.946	.736		.70	-.361	.205	.567	.947	.712		
	.75	-.293	.241	.533	.919	.696		.75	-.341	.282	.623	.939	.678		
	.85		.365			.641		.85	-.255			.904			
	.90		.393			.629		.90	-.157	.405	.562	.864	.623		
.95	-.028	.366	.394	.811	.641	.95	-.021	.419	.440	.807	.617				
CHORD 2	.05	-.956	-.054	.902	1.199	.821	CHORD 7	.05	-1.178	-.001	1.177	1.301	.799		
	.12	-1.118	-.285	.833	1.273	.916		.12	-1.157	-.108	1.049	1.292	.843		
	.20	-1.108	-.402	.706	1.268	.964		.20	-1.150	-.174	.976	1.288	.871		
	.30	-1.022	-.392	.630	1.229	.960		.30	-1.136	-.205	.932	1.282	.883		
	.35	-.976	-.388	.588	1.208	.958		.35	-1.102	-.226	.876	1.266	.892		
	.45	-.940	-.386	.554	1.192	.958		.45	-1.146	-.258	.889	1.286	.905		
	.50	-.891	-.373	.518	1.170	.952		.50	-1.062	-.244	.817	1.247	.900		
	.60	-.511	-.091	.419	1.009	.837		.60	-.481	-.067	.414	.997	.827		
	.70	-.378	.157	.535	.954	.733		.70	-.385	.158	.542	.957	.732		
	.75	-.295	.251	.546	.920	.692		.75	-.316	.249	.565	.929	.693		
	.85	-.167	.392	.559	.868	.629		.85	-.201			.882			
	.90	-.098	.428	.526	.839	.613		.90	-.114	.417	.531	.846	.618		
	.95	-.023	.410	.433	.808	.621		.95	-.023			.808			
	CHORD 3	.05	-.962	-.019	.943	1.202		.807	CHORD 8	.05	-1.074	.047	1.121	1.253	.779
		.12	-1.141	-.279	.862	1.284		.914		.12	-1.105	-.092	1.013	1.267	.837
.20		-1.136	-.393	.743	1.282	.961	.20	-1.111		-.177	.934	1.270	.872		
.30		-1.070	-.375	.695	1.251	.953	.30	-1.158		-.221	.937	1.292	.890		
.35		-1.019	-.380	.639	1.228	.955	.35	-1.141		-.224	.916	1.284	.891		
.45		-.950	-.397	.552	1.196	.962	.45	-1.111		-.245	.865	1.270	.900		
.50		-.910	-.360	.550	1.179	.947	.50	-1.077		-.240	.837	1.254	.898		
.60		-.500	-.090	.411	1.005	.836	.60	-.429		-.066	.363	.975	.826		
.70		-.374	.167	.541	.953	.728	.70	-.336		.146	.483	.937	.737		
.75		-.296	.255	.551	.921	.690	.75	-.282		.243	.525	.915	.696		
.85		-.157	.399	.555	.863	.626	.85	-.248		.369	.617	.901	.640		
.90		-.138	.427	.566	.856	.613	.90	-.127		.401	.528	.851	.625		
.95		-.017	.432	.449	.806	.611	.95	-.018		.398	.416	.806	.626		
CHORD 4		.05	-1.013	-.104	.909	1.225	.842	CHORD 9		.05	-1.169	.002	1.171	1.297	.798
		.12	-1.091	-.287	.804	1.261	.917			.12	-1.145	-.103	1.042	1.286	.841
	.20	-1.116	-.358	.758	1.272	.946	.20		-1.129	-.203	.926	1.278	.883		
	.30	-1.144	-.366	.778	1.285	.949	.30		-1.117	-.240	.877	1.273	.898		
	.35	-1.106	-.370	.737	1.268	.951	.35		-1.117	-.245	.872	1.272	.900		
	.45	-1.053	-.397	.656	1.243	.962	.45		-.447	-.257	.190	.983	.905		
	.50		-.380			.955	.50		-.375	-.253	.122	.953	.903		
	.60	-.345	-.118	.228	.941	.847	.60		-.393	-.077	.316	.960	.830		
	.70	-.447	.169	.617	.983	.727	.70		-.434	.160	.594	.977	.731		
	.75	-.407	.278	.685	.966	.680	.75		-.332	.250	.582	.935	.692		
	.85	-.231	.415	.646	.894	.619	.85		-.219	.343	.561	.889	.651		
	.90	-.139	.454	.593	.856	.600	.90		-.117	.385	.502	.847	.632		
	.95	-.017	.447	.464	.806	.604	.95		.007			.796			
	CHORD 5	.01	-.186	.513	.699	.875	.572								
		.03	-1.034	.136	1.170	1.234	.741								
.05		-1.050	-.044	1.006	1.242	.817									
.07		-1.070	-.077	.993	1.251	.831									
.12		-1.138	-.194	.944	1.282	.879									
.20		-1.132	-.238	.894	1.280	.897									
.30		-1.112	-.259	.854	1.270	.905									
.35		-1.109	-.298	.811	1.269	.921									
.45		-1.124	-.317	.808	1.276	.929									
.50		-1.144	-.296	.848	1.285	.921									
.60		-.893	-.071	.822	1.171	.828									
.70		-.432	.179	.612	.977	.723									
.75		-.386	.271	.657	.957	.683									
.85		-.233	.375	.608	.895	.637									
.90		-.096	.412	.508	.838	.620									
.95	.026	.416	.390	.788	.618										





TABLE 5.- Continued

POINT NUMBER 198 MACH = .781 RN = 2.211\*10E6 H = 15.936 KPA ALPHA = .002 DEG CPSTAR = -.549  
 Q = 3.923 KPA GAMMA = 1.132 P = 11.365 KPA DELTA6 = -.607 DEG

POINT NUMBER 198						POINT NUMBER 198					
X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML
CHORD 1 .01	.110	.285	.175	.735	.661	CHORD 6 .01	-.077	.114	.190	.811	.734
.03	-.405			.942		.03	-.528	-.192	.336	.991	.858
.05	-.666	-.121	.546	1.047	.829	.05	-.544	-.328	.216	.998	.912
.07	-.732	-.366	.366	1.074	.927	.07	-.651	-.405	.246	1.041	.943
.12	-.794	-.487	.307	1.099	.975	.12	-.637	-.387	.250	1.035	.935
.20	-.749	-.594	.156	1.081	1.018	.20	-.630	-.364	.266	1.033	.926
.30	-.673	-.513	.161	1.050	.985	.30	-.617	-.364	.253	1.027	.926
.35	-.661	-.491	.170	1.045	.977	.35	-.611	-.397	.214	1.025	.939
.45	-.616	-.502	.114	1.027	.981	.45	-.606	-.368	.237	1.023	.928
.50	-.569	-.447	.123	1.008	.959	.50	-.597	-.326	.271	1.019	.911
.60	-.480	-.150	.330	.972	.841	.60	-.562	-.088	.474	1.005	.816
.70	-.345	.104	.449	.918	.738	.70	-.522	.171	.692	.989	.710
.75	-.278	.196	.474	.892	.699	.75	-.462	.235	.697	.965	.683
.85		.323			.645	.85	-.298			.900	
.90		.356			.631	.90	-.183	.330	.513	.854	.642
.95	-.029	.338	.367	.792	.639	.95	-.016	.363	.379	.787	.627
CHORD 2 .05	-.666	-.321	.346	1.047	.909	CHORD 7 .05	-.636	-.386	.250	1.035	.935
.12	-.773	-.507	.266	1.091	.983	.12	-.608	-.384	.225	1.024	.934
.20	-.768	-.612	.156	1.089	1.025	.20	-.562	-.413	.149	1.005	.946
.30	-.712	-.534	.179	1.066	.994	.30	-.610	-.400	.209	1.024	.941
.35	-.683	-.513	.170	1.054	.986	.35	-.594	-.395	.199	1.018	.938
.45	-.643	-.511	.132	1.038	.985	.45	-.571	-.394	.177	1.009	.938
.50	-.585	-.450	.135	1.014	.960	.50	-.554	-.354	.200	1.002	.922
.60	-.487	-.168	.319	.975	.848	.60	-.532	-.132	.401	.993	.833
.70	-.372	.086	.458	.929	.745	.70	-.466	.108	.574	.967	.736
.75	-.289	.198	.487	.896	.699	.75	-.381	.199	.580	.933	.698
.85	-.169	.335	.504	.849	.640	.85	-.251			.881	
.90	-.103	.384	.488	.822	.618	.90	-.150	.378	.527	.841	.621
.95	-.030	.383	.413	.793	.619	.95	-.039			.796	
CHORD 3 .05	-.658	-.304	.353	1.044	.902	CHORD 8 .05	-.591	-.342	.250	1.017	.917
.12	-.809	-.511	.298	1.106	.985	.12	-.563	-.371	.191	1.005	.929
.20	-.769	-.612	.157	1.089	1.025	.20	-.554	-.407	.146	1.002	.943
.30	-.699	-.535	.164	1.060	.994	.30	-.559	-.403	.156	1.004	.942
.35	-.679	-.519	.159	1.052	.988	.35	-.587	-.384	.203	1.015	.934
.45	-.635	-.505	.130	1.035	.982	.45	-.558	-.374	.185	1.004	.930
.50	-.594	-.440	.155	1.018	.956	.50	-.551	-.346	.204	1.001	.919
.60	-.500	-.141	.359	.980	.837	.60	-.505	-.126	.380	.982	.831
.70	-.379	.120	.499	.932	.731	.70	-.422	.117	.539	.949	.732
.75	-.294	.205	.498	.898	.696	.75	-.341	.204	.545	.917	.696
.85	-.155	.345	.500	.843	.635	.85	-.290	.299	.589	.897	.655
.90	-.149	.378	.527	.840	.621	.90	-.148	.341	.490	.840	.637
.95	-.020	.389	.409	.789	.616	.95	-.025	.351	.376	.791	.633
CHORD 4 .05	-.666	-.387	.280	1.047	.935	CHORD 9 .05	-.565	-.401	.164	1.006	.941
.12	-.819	-.524	.295	1.110	.990	.12	-.534	-.395	.139	.994	.939
.20	-.717	-.544	.172	1.068	.998	.20	-.489	-.432	.056	.976	.953
.30	-.704	-.526	.178	1.062	.991	.30	-.489	-.400	.089	.976	.940
.35	-.693	-.508	.184	1.058	.984	.35	-.494	-.380	.114	.978	.933
.45	-.669	-.509	.160	1.048	.984	.45	-.460	-.354	.106	.964	.922
.50		-.474			.970	.50	-.462	-.325	.136	.965	.911
.60	-.352	-.174	.177	.921	.851	.60	-.437	-.108	.328	.955	.824
.70	-.484	.124	.608	.974	.730	.70	-.457	.136	.594	.963	.724
.75	-.417	.229	.646	.947	.686	.75	-.341	.221	.562	.917	.689
.85	-.234	.359	.594	.875	.629	.85	-.229	.298	.526	.872	.656
.90	-.144	.407	.551	.838	.608	.90	-.120	.344	.464	.829	.636
.95	-.026	.411	.437	.791	.606	.95	.018			.773	
CHORD 5 .01	.106	.238	.132	.737	.682	BALANCE DATA					
.03	-.567	-.226	.341	1.007	.871	MACH = .783 Q = 3.923 KPA ALPHA = .000 DEG					
.05	-.675	-.393	.281	1.051	.938	COEFFICIENT OF LIFT .317					
.07	-.590	-.409	.181	1.016	.944	DRAG .006					
.12	-.708	-.439	.269	1.064	.956	PITCH =1.802					
.20	-.649	-.445	.204	1.040	.959	ROLL =1.525					
.30	-.668	-.444	.224	1.048	.958	YAW .043					
.35	-.663	-.443	.219	1.046	.958						
.45	-.669	-.443	.227	1.048	.957						
.50	-.653	-.378	.275	1.042	.932						
.60	-.616	-.135	.481	1.027	.835						
.70	-.546	.134	.680	.999	.725						
.75	-.465	.224	.689	.966	.688						
.85	-.279	.309	.588	.892	.651						
.90	-.131	.328	.459	.833	.643						
.95	.012	.375	.363	.775	.622						





TABLE 5.- Continued

POINT NUMBER 201 MACH = .783 RN = 2.214\*10E6 H = 15.969 KPA ALPHA = 3.005 DEG CPSTAR = -.543  
 Q = 3.944 KPA GAMMA = 1.132 P = 11.370 KPA DELTA6 = -.613 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.229	.533	.762	.875	.551	CHORD 6	.01	-.717	.592	1.310	1.071	.522		
	.03	-.843			1.123			.03	-1.179	.308	1.487	1.268	.653		
	.05	-1.125	.171	1.296	1.244	.712		.05	-1.290	.161	1.451	1.319	.716		
	.07	-1.134	-.083	1.052	1.248	.816		.07	-1.371	.054	1.426	1.358	.760		
	.12	-1.204	-.220	.984	1.280	.871		.12	-1.350	-.031	1.319	1.348	.795		
	.20	-1.099	.350	.749	1.233	.923		.20	-1.328	-.078	1.250	1.337	.814		
	.30	-1.010	.337	.673	1.194	.918		.30	-1.309	-.162	1.147	1.328	.848		
	.35	-.954	.338	.616	1.170	.918		.35	-1.275	-.187	1.088	1.313	.858		
	.45	-.859	.361	.499	1.130	.927		.45	-1.201	-.208	.993	1.278	.866		
	.50	-.679	-.346	.334	1.055	.921		.50	-1.057	-.197	.860	1.214	.862		
	.60	-.518	-.097	.421	.990	.822		.60	-.408	.036	.372	.946	.797		
	.70	-.370	.137	.507	.931	.726		.70	-.416	.190	.606	.949	.704		
	.75	-.294	.227	.521	.901	.688		.75	-.384	.280	.664	.937	.665		
	.85		.348			.635		.85	-.267			.890			
	.90		.373			.625		.90	-.164	.415	.579	.849	.606		
.95	-.034	.344	.378	.796	.637	.95	-.030	.419	.449	.794	.604				
CHORD 2	.05	-1.122	.008	1.130	1.243	.779	CHORD 7	.05	-1.359	.124	1.483	1.352	.731		
	.12	-1.258	.026	1.032	1.304	.873		.12	-1.351	-.021	1.330	1.348	.791		
	.20	-1.228	-.343	.885	1.291	.920		.20	-1.330	-.096	1.235	1.339	.821		
	.30	-1.103	.343	.759	1.234	.920		.30	-1.309	-.152	1.157	1.328	.844		
	.35	-1.024	.346	.678	1.200	.921		.35	-1.293	-.170	1.122	1.321	.851		
	.45	-.878	.345	.533	1.137	.921		.45	-1.143	-.212	.930	1.252	.868		
	.50	-.647	.343	.304	1.042	.920		.50	-.664	-.203	.461	1.049	.864		
	.60	-.505	.092	.413	.985	.819		.60	-.446	-.046	.400	.961	.801		
	.70	-.386	.147	.533	.937	.722		.70	-.390	.161	.551	.939	.716		
	.75	-.301	.240	.541	.903	.682		.75	-.323	.253	.576	.912	.677		
	.85	-.172	.374	.547	.852	.624		.85	-.217			.870			
	.90	-.102	.409	.511	.824	.609		.90	-.134	.406	.540	.836	.610		
	.95	-.028	.408	.436	.794	.609		.95	-.038			.798			
	CHORD 3	.05	-1.112	.035	1.147	1.239		.768	CHORD 8	.05	-1.287	.151	1.438	1.318	.720
		.12	-1.280	.021	1.069	1.315		.867		.12	-1.345	-.009	1.336	1.346	.786
.20		-1.264	.346	.918	1.307	.921	.20	-1.315		-.106	1.209	1.331	.825		
.30		-1.163	.342	.820	1.261	.920	.30	-1.313		-.161	1.153	1.330	.847		
.35		-1.086	.348	.737	1.227	.922	.35	-1.300		-.166	1.134	1.324	.850		
.45		-.933	.360	.573	1.161	.927	.45	-.986		-.201	.785	1.183	.864		
.50		-.655	.347	.308	1.046	.922	.50	-.524		-.202	.321	.992	.864		
.60		-.509	.091	.418	.987	.819	.60	-.400		-.049	.351	.943	.802		
.70		-.383	.156	.539	.936	.718	.70	-.366		.150	.517	.929	.720		
.75		-.304	.243	.548	.905	.681	.75	-.305		.244	.549	.905	.681		
.85		-.165	.385	.549	.849	.619	.85	-.266		.376	.642	.889	.623		
.90		-.145	.412	.558	.841	.607	.90	-.139		.412	.551	.839	.607		
.95		-.025	.414	.439	.792	.606	.95	-.029		.403	.432	.794	.611		
CHORD 4		.05	-1.182	.004	1.177	1.270	.784	CHORD 9		.05	-1.354	.104	1.458	1.350	.739
		.12	-1.285	.193	1.092	1.317	.860			.12	-1.364	-.017	1.347	1.355	.789
	.20	-1.272	.275	.997	1.311	.893	.20		-1.305	-.126	1.179	1.326	.833		
	.30	-1.271	.310	.961	1.310	.907	.30		-1.265	-.179	1.086	1.308	.855		
	.35	-1.233	.316	.916	1.293	.909	.35		-1.095	-.194	.901	1.231	.861		
	.45	-1.089	.353	.736	1.228	.924	.45		-.417	-.217	.199	.950	.870		
	.50		.346			.921	.50		-.381	-.217	.164	.935	.870		
	.60	-.345	.104	.241	.921	.824	.60		-.394	-.062	.333	.941	.807		
	.70	-.466	.170	.636	.969	.712	.70		-.431	.155	.586	.955	.718		
	.75	-.415	.278	.693	.949	.666	.75		-.330	.250	.579	.915	.678		
	.85	-.237	.415	.652	.878	.606	.85		-.224	.349	.573	.873	.635		
	.90	-.142	.456	.598	.840	.587	.90		-.130	.382	.512	.835	.621		
	.95	-.024	.449	.473	.792	.590	.95		-.005			.785			
	CHORD 5	.01	.4334	.592	.926	.917	.522		BALANCE DATA						
		.03	-1.212	.243	1.455	1.283	.681		MACH = .779 Q = 3.900 KPA ALPHA = 3.001 DEG						
.05		-1.257	.069	1.326	1.304	.754	COEFFICIENT OF LIFT .655								
.07		-1.279	.017	1.296	1.314	.775	DRAG .023								
.12		-1.330	-.106	1.225	1.339	.825	PITCH -2.712								
.20		-1.304	.160	1.145	1.326	.847	ROLL -3.304								
.30		-1.293	.219	1.074	1.321	.871	YAW .100								
.35		-1.282	-.236	1.046	1.316	.877									
.45		-1.233	-.266	.966	1.293	.889									
.50		-1.094	-.256	.838	1.230	.885									
.60		-.496	-.058	.438	.981	.806									
.70		-.479	.179	.659	.975	.708									
.75		-.429	.272	.701	.955	.669									
.85		-.260	.380	.640	.887	.621									
.90		-.120	.416	.536	.831	.605									
.95	.010	.413	.403	.778	.607										

TABLE 5.- Continued

POINT NUMBER 202 MACH = .780 RN = 2.211\*10E6 H = 15.963 KPA ALPHA = 2.004 DEG CPSTAR = -.552  
 Q = 3.923 KPA GAMMA = 1.132 P = 11.393 KPA DELTA6 = -.558 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.108	.471	.579	.823	.578	CHORD 6	.01	-.535	.483	1.018	.993	.572
	.03	-.688			1.055			.03	-1.014	.177	1.191	1.190	.707
	.05	-.964	.091	1.055	1.169	.742		.05	-1.146	.034	1.180	1.248	.766
	.07	-.963	-.164	.799	1.168	.845		.07	-1.196	-.067	1.129	1.271	.807
	.12	-1.061	-.293	.768	1.211	.897		.12	-1.145	-.116	1.029	1.247	.826
	.20	-.986	-.403	.583	1.178	.941		.20	-1.100	-.159	.942	1.228	.843
	.30	-.883	-.372	.510	1.135	.928		.30	-1.000	-.238	.762	1.184	.875
	.35	-.829	-.370	.459	1.112	.927		.35	-.916	-.253	.663	1.149	.881
	.45	-.710	-.390	.320	1.064	.935		.45	-.594	-.267	.327	1.017	.887
	.50	-.613	-.357	.257	1.025	.922		.50	-.612	-.244	.368	1.024	.877
	.60	-.497	-.107	.390	.978	.823		.60	-.595	-.056	.539	1.017	.802
	.70	-.352	.138	.490	.920	.723		.70	-.515	.188	.704	.985	.702
	.75	-.280	.232	.512	.892	.684		.75	-.442	.266	.709	.956	.669
	.85		.357		.629	.629		.85	-.279			.891	
	.90		.385		.617	.617		.90	-.154	.393	.546	.841	.613
	.95	-.017	.357	.374	.786	.629		.95	-.009	.403	.412	.783	.609
CHORD 2	.05	-.955	-.083	.872	1.165	.813	CHORD 7	.05	-1.221	-.033	1.188	1.282	.793
	.12	-1.135	-.308	.828	1.243	.903		.12	-1.158	-.131	1.027	1.253	.832
	.20	-1.044	-.405	.639	1.203	.941		.20	-1.111	-.197	.914	1.232	.859
	.30	-.955	-.393	.562	1.165	.936		.30	-.940	-.232	.708	1.159	.873
	.35	-.873	-.393	.481	1.131	.936		.35	-.714	-.247	.467	1.065	.879
	.45	-.726	-.390	.335	1.070	.935		.45	-.633	-.279	.354	1.032	.891
	.50	-.603	-.374	.229	1.021	.929		.50	-.625	-.261	.364	1.029	.884
	.60	-.504	-.103	.401	.981	.821		.60	-.564	-.086	.478	1.005	.814
	.70	-.377	.117	.494	.930	.732		.70	-.472	.140	.612	.968	.722
	.75	-.288	.233	.521	.895	.683		.75	-.381	.233	.613	.932	.683
	.85	-.160	.367	.527	.844	.625		.85	-.241			.876	
	.90	-.090	.413	.504	.816	.604		.90	-.143	.401	.545	.837	.610
	.95	-.015	.412	.428	.786	.605		.95	-.041		.796		
CHORD 3	.05	-.977	-.063	.914	1.175	.805	CHORD 8	.05	-1.124	.017	1.141	1.238	.772
	.12	-1.157	-.296	.860	1.253	.898		.12	-1.158	-.111	1.047	1.253	.824
	.20	-1.075	-.406	.669	1.217	.942		.20	-1.116	-.197	.919	1.235	.859
	.30	-.979	-.384	.595	1.176	.933		.30	-.934	-.235	.699	1.156	.874
	.35	-.882	-.387	.495	1.135	.934		.35	-.654	-.243	.411	1.041	.877
	.45	-.696	-.397	.298	1.058	.938		.45	-.628	-.262	.366	1.030	.884
	.50	-.599	-.364	.234	1.019	.925		.50	-.603	-.258	.345	1.020	.883
	.60	-.526	-.101	.425	.989	.820		.60	-.543	-.081	.462	.996	.812
	.70	-.388	.153	.541	.934	.717		.70	-.433	.132	.565	.952	.725
	.75	-.296	.241	.537	.898	.680		.75	-.346	.233	.580	.918	.683
	.85	-.152	.384	.535	.840	.618		.85	-.278	.356	.634	.891	.630
	.90	-.134	.411	.545	.833	.605		.90	-.142	.392	.534	.837	.614
	.95	-.010	.416	.426	.784	.603		.95	-.031	.389	.430	.792	.615
CHORD 4	.05	-1.061	-.122	.939	1.211	.829	CHORD 9	.05	-1.178	-.041	1.137	1.262	.796
	.12	-1.129	-.293	.835	1.240	.897		.12	-1.126	-.123	1.003	1.239	.829
	.20	-1.136	-.362	.774	1.243	.924		.20	-.987	-.229	.758	1.179	.871
	.30	-1.078	-.373	.705	1.218	.929		.30	-.551	-.247	.305	1.000	.878
	.35	-1.014	-.373	.641	1.190	.929		.35	-.590	-.256	.334	1.015	.882
	.45	-.606	-.393	.212	1.021	.937		.45	-.541	-.271	.270	.996	.888
	.50		-.384		.933	.933		.50	-.522	-.259	.262	.988	.883
	.60	-.422	-.130	.292	.948	.832		.60	-.473	-.095	.378	.968	.818
	.70	-.507	.156	.663	.982	.715		.70	-.464	.147	.611	.965	.719
	.75	-.430	.269	.699	.951	.667		.75	-.347	.242	.589	.918	.679
	.85	-.238	.401	.639	.875	.610		.85	-.219	.333	.551	.867	.640
	.90	-.143	.445	.588	.837	.590		.90	-.109	.374	.483	.824	.622
	.95	-.026	.439	.465	.790	.592		.95	.009		.776		
CHORD 5	.01	-.196	.506	.701	.858	.562	BALANCE DATA						
	.03	-1.093	.120	1.213	1.225	.730	MACH = .781 Q = 3.910 KPA ALPHA = 1.999 DEG						
	.05	-1.092	-.054	1.038	1.224	.801	COEFFICIENT OF LIFT .524						
	.07	-1.091	-.095	.997	1.224	.818	DRAG .014						
	.12	-1.174	-.201	.973	1.261	.860	PITCH =2.267						
	.20	-1.133	-.243	.890	1.242	.877	ROLL =2.599						
	.30	-1.011	-.260	.750	1.189	.884	YAW .067						
	.35	-.985	-.303	.682	1.178	.901							
	.45	-.700	-.327	.373	1.060	.910							
	.50	-.671	-.309	.362	1.048	.903							
	.60	-.642	-.084	.558	1.036	.814							
	.70	-.553	.165	.718	1.000	.712							
	.75	-.464	.257	.721	.965	.673							
	.85	-.266	.364	.630	.886	.626							
	.90	-.121	.402	.523	.828	.609							
	.95	.007	.404	.397	.777	.608							

TABLE 5.- Continued

POINT NUMBER 203		MACH = .780		RN = 2.211*10E6		H = 15.954 KPA		ALPHA = 1.007 DEG		CPSTAR = .551			
		Q = 3.923 KPA		GAMMA = 1.132		P = 11.384 KPA		DELTA6 = -.556 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.007	.380	.386	.783	.619	CHORD 6	.01	-.312	.310	.621	.904	.650
	.03	-.568			1.007			.03	-.810	.012	.822	1.105	.775
	.05	-.808	-.019	.789	1.104	.787		.05	-.818	-.126	.692	1.108	.831
	.07	-.850	-.272	.578	1.122	.889		.07	-.863	-.223	.641	1.127	.869
	.12	-.912	-.376	.537	1.148	.930		.12	-.819	-.235	.584	1.109	.874
	.20	-.838	-.487	.350	1.116	.974		.20	-.861	-.236	.625	1.126	.874
	.30	-.768	-.437	.331	1.088	.954		.30	-.736	-.315	.421	1.075	.906
	.35	-.738	-.424	.314	1.075	.949		.35	-.682	-.327	.355	1.053	.911
	.45	-.664	-.448	.216	1.045	.959		.45	-.656	-.319	.337	1.042	.907
	.50	-.603	-.397	.206	1.021	.938		.50	-.644	-.288	.357	1.037	.895
	.60	-.505	-.127	.379	.982	.831		.60	-.592	-.077	.514	1.016	.811
	.70	-.361	.119	.480	.924	.731		.70	-.508	.178	.686	.983	.707
	.75	-.290	.211	.501	.896	.692		.75	-.438	.249	.687	.955	.677
	.85		.337			.638		.85	-.278			.891	
	.90		.366			.625		.90	-.151	.344	.495	.840	.635
	.95	-.032	.342	.374	.793	.636		.95	-.002	.376	.378	.781	.621
CHORD 2	.05	-.809	-.197	.612	1.105	.859	CHORD 7	.05	-.964	-.201	.763	1.169	.860
	.12	-.969	-.400	.569	1.172	.940		.12	-.805	-.257	.547	1.103	.883
	.20	-.926	-.507	.420	1.154	.982		.20	-.741	-.303	.439	1.077	.901
	.30	-.812	-.463	.349	1.106	.965		.30	-.724	-.317	.408	1.070	.906
	.35	-.740	-.450	.290	1.076	.960		.35	-.696	-.315	.382	1.058	.906
	.45	-.678	-.448	.230	1.051	.959		.45	-.644	-.334	.311	1.037	.913
	.50	-.604	-.411	.193	1.021	.944		.50	-.606	-.310	.296	1.022	.904
	.60	-.513	-.121	.392	.985	.829		.60	-.554	-.111	.443	1.001	.825
	.70	-.385	.105	.489	.934	.737		.70	-.470	.123	.593	.968	.729
	.75	-.298	.217	.515	.899	.690		.75	-.382	.215	.597	.933	.691
	.85	-.173	.353	.526	.849	.631		.85	-.246			.879	
	.90	-.105	.400	.505	.822	.610		.90	-.146	.392	.538	.839	.614
	.95	-.031	.397	.428	.792	.612		.95	-.040		.796		
CHORD 3	.05	-.821	-.194	.628	1.110	.858	CHORD 8	.05	-.876	-.144	.732	1.132	.838
	.12	-1.013	-.364	.649	1.190	.925		.12	-.792	-.233	.559	1.098	.873
	.20	-.947	-.500	.447	1.162	.979		.20	-.727	-.293	.434	1.071	.897
	.30	-.795	-.454	.342	1.099	.961		.30	-.701	-.317	.384	1.060	.907
	.35	-.757	-.445	.312	1.083	.957		.35	-.682	-.311	.371	1.053	.904
	.45	-.653	-.447	.206	1.041	.958		.45	-.616	-.318	.298	1.026	.907
	.50	-.630	-.405	.226	1.032	.942		.50	-.590	-.301	.289	1.015	.900
	.60	-.535	-.125	.410	.994	.830		.60	-.523	-.106	.417	.989	.822
	.70	-.397	.133	.530	.938	.725		.70	-.426	.129	.554	.950	.727
	.75	-.306	.220	.526	.902	.689		.75	-.341	.222	.563	.916	.688
	.85	-.165	.362	.527	.846	.628		.85	-.284	.337	.621	.894	.638
	.90	-.148	.393	.541	.840	.614		.90	-.143	.373	.516	.837	.623
	.95	-.024	.401	.425	.789	.610		.95	-.027	.373	.399	.791	.623
CHORD 4	.05	-.855	-.249	.605	1.124	.880	CHORD 9	.05	-.825	-.215	.610	1.111	.866
	.12	-.984	-.388	.596	1.178	.935		.12	-.743	-.241	.502	1.077	.876
	.20	-.935	-.438	.497	1.157	.955		.20	-.635	-.331	.304	1.034	.912
	.30	-.800	-.438	.362	1.101	.955		.30	-.580	-.321	.259	1.012	.908
	.35	-.704	-.436	.268	1.061	.954		.35	-.573	-.314	.258	1.009	.906
	.45	-.717	-.452	.265	1.067	.960		.45	-.517	-.309	.208	.986	.903
	.50		-.422			.948		.50	-.501	-.305	.196	.980	.902
	.60	-.403	-.152	.251	.941	.841		.60	-.463	-.102	.361	.965	.821
	.70	-.494	.142	.635	.977	.722		.70	-.468	.142	.610	.967	.721
	.75	-.418	.251	.669	.947	.676		.75	-.349	.234	.583	.919	.683
	.85	-.229	.384	.614	.872	.617		.85	-.228	.301	.529	.871	.654
	.90	-.137	.428	.565	.835	.598		.90	-.116	.361	.477	.827	.628
	.95	-.022	.427	.449	.789	.598		.95	.015		.774		
CHORD 5	.01	-.070	.382	.452	.808	.618							
	.03	-.859	-.038	.821	1.125	.795							
	.05	-.880	-.212	.668	1.134	.865							
	.07	-.880	-.239	.641	1.134	.876							
	.12	-.821	-.317	.504	1.109	.906							
	.20	-.859	-.348	.511	1.125	.919							
	.30	-.800	-.349	.451	1.101	.920							
	.35	-.759	-.375	.383	1.084	.930							
	.45	-.721	-.374	.348	1.069	.929							
	.50	-.703	-.354	.350	1.061	.921							
	.60	-.645	-.107	.538	1.038	.823							
	.70	-.546	.153	.699	.998	.717							
	.75	-.463	.240	.703	.965	.680							
	.85	-.269	.339	.608	.888	.638							
	.90	-.124	.376	.499	.830	.621							
	.95	.006	.388	.382	.777	.616							

BALANCE DATA

MACH = .784 Q = 3.929 KPA ALPHA = 1.000 DEG  
 COEFFICIENT OF LIFT .417  
 DRAG .008  
 PITCH =2.017  
 ROLL =2.048  
 YAW .054

TABLE 5.- Continued

POINT NUMBER 204		MACH = .780		RN = 2.212*10E6		H = 15.964 KPA		ALPHA = .000 DEG		CPSTAR = -.553					
		Q = 3.922 KPA		GAMMA = 1.132		P = 11.396 KPA		DELTA6 = -.554 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.106	.297	.191	.736	.655	CHORD 6	.01	-.079	.115	.194	.811	.732		
	.03	-.409			.943			.03	-.529	-.190	.339	.990	.855		
	.05	-.664	-.126	.538	1.044	.830		.05	-.544	-.323	.221	.997	.909		
	.07	-.733	-.376	.357	1.072	.929		.07	-.652	-.399	.253	1.040	.938		
	.12	-.795	-.477	.318	1.098	.970		.12	-.636	-.372	.265	1.033	.928		
	.20	-.743	-.582	.161	1.077	1.012		.20	-.630	-.361	.269	1.031	.924		
	.30	-.677	-.501	.176	1.050	.979		.30	-.617	-.388	.229	1.026	.934		
	.35	-.659	-.480	.179	1.042	.971		.35	-.610	-.391	.219	1.023	.935		
	.45	-.614	-.489	.124	1.024	.975		.45	-.606	-.364	.242	1.021	.925		
	.50	-.566	-.436	.131	1.005	.953		.50	-.596	-.323	.273	1.017	.908		
	.60	-.478	-.139	.339	.970	.835		.60	-.563	-.100	.463	1.004	.820		
	.70	-.346	.111	.457	.918	.734		.70	-.524	.169	.693	.988	.710		
	.75	-.279	.204	.483	.891	.695		.75	-.470	.236	.706	.967	.681		
	.85		.329			.641		.85	-.303			.901			
	.90		.362			.627		.90	-.188	.317	.506	.855	.647		
.95	-.030	.343	.373	.791	.635	.95	-.023	.368	.391	.789	.624				
CHORD 2	.05	-.670	-.311	.359	1.047	.904	CHORD 7	.05	-.636	-.379	.258	1.033	.931		
	.12	-.774	-.495	.279	1.089	.977		.12	-.608	-.372	.235	1.022	.928		
	.20	-.750	-.597	.153	1.080	1.018		.20	-.561	-.388	.173	1.003	.934		
	.30	-.698	-.519	.179	1.058	.987		.30	-.606	-.373	.233	1.021	.928		
	.35	-.673	-.499	.174	1.048	.978		.35	-.591	-.374	.218	1.015	.929		
	.45	-.632	-.496	.136	1.032	.977		.45	-.571	-.376	.195	1.007	.930		
	.50	-.577	-.436	.140	1.010	.953		.50	-.554	-.347	.207	1.000	.918		
	.60	-.485	-.135	.349	.973	.834		.60	-.531	-.125	.406	.991	.830		
	.70	-.368	.080	.448	.926	.747		.70	-.467	.118	.585	.966	.731		
	.75	-.285	.210	.495	.893	.693		.75	-.383	.206	.589	.932	.694		
	.85	-.167	.342	.509	.846	.636		.85	-.253			.881			
	.90	-.101	.393	.494	.820	.613		.90	-.151	.382	.533	.840	.618		
	.95	-.029	.391	.419	.791	.614		.95	-.040			.795			
	CHORD 3	.05	-.659	-.295	.364	1.043		.897	CHORD 8	.05	-.596	-.332	.264	1.017	.912
		.12	-.809	-.495	.314	1.104		.977		.12	-.565	-.361	.204	1.005	.923
.20		-.765	-.598	.167	1.086	1.018	.20	-.577		-.397	.180	1.010	.938		
.30		-.692	-.524	.168	1.056	.988	.30	-.588		-.393	.195	1.014	.936		
.35		-.679	-.501	.179	1.051	.979	.35	-.583		-.376	.207	1.012	.929		
.45		-.635	-.486	.149	1.033	.973	.45	-.554		-.365	.189	1.000	.925		
.50		-.596	-.431	.165	1.017	.951	.50	-.547		-.337	.211	.998	.914		
.60		-.503	-.133	.370	.980	.833	.60	-.504		-.118	.386	.980	.827		
.70		-.381	.129	.510	.931	.726	.70	-.421		.125	.546	.947	.728		
.75		-.295	.213	.508	.897	.691	.75	-.340		.213	.553	.915	.691		
.85		-.157	.352	.509	.842	.631	.85	-.290		.308	.598	.895	.651		
.90		-.151	.385	.535	.840	.617	.90	-.147		.350	.497	.838	.632		
.95		-.021	.396	.417	.788	.612	.95	-.024		.357	.381	.789	.629		
CHORD 4		.05	-.668	-.378	.289	1.046	.930	CHORD 9		.05	-.550	-.413	.138	.999	.944
		.12	-.822	-.508	.315	1.109	.982			.12	-.531	-.400	.131	.991	.939
	.20	-.710	-.536	.174	1.063	.993	.20		-.485	-.409	.076	.973	.942		
	.30	-.699	-.508	.191	1.059	.982	.30		-.489	-.389	.100	.974	.935		
	.35	-.685	-.494	.191	1.053	.976	.35		-.492	-.371	.122	.976	.927		
	.45	-.660	-.498	.162	1.043	.978	.45		-.463	-.347	.116	.964	.918		
	.50		-.459			.962	.50		-.461	-.321	.141	.963	.907		
	.60	-.366	-.168	.198	.925	.847	.60		-.436	-.103	.334	.953	.821		
	.70	-.480	.130	.610	.971	.726	.70		-.456	.145	.602	.961	.720		
	.75	-.414	.235	.649	.945	.682	.75		-.340	.226	.567	.915	.686		
	.85	-.232	.362	.595	.872	.627	.85		-.229	.300	.530	.871	.654		
	.90	-.141	.408	.550	.836	.606	.90		-.122	.347	.468	.828	.634		
	.95	-.022	.412	.435	.788	.604	.95		.017			.772			
	CHORD 5	.01	.100	.240	.139	.738	.680								
		.03	-.569	-.224	.345	1.006	.869								
.05		-.675	-.390	.285	1.049	.935									
.07		-.592	-.403	.189	1.016	.940									
.12		-.711	-.424	.287	1.064	.949									
.20		-.651	-.440	.211	1.039	.955									
.30		-.666	-.439	.227	1.046	.955									
.35		-.659	-.439	.220	1.043	.955									
.45		-.667	-.440	.228	1.046	.955									
.50		-.650	-.376	.274	1.039	.930									
.60		-.614	-.126	.487	1.024	.830									
.70		-.547	.139	.687	.998	.722									
.75		-.468	.228	.696	.966	.685									
.85		-.283	.314	.597	.893	.648									
.90		-.134	.354	.488	.833	.630									
.95	.010	.380	.369	.775	.619										







TABLE 5.- Continued

POINT NUMBER 207		MACH = .784		RN = 2.218*10E6		H = 15.999 KPA		ALPHA = -3.005 DEG		CPSTAK = -.540					
		Q = 3.956 KPA		GAMMA = 1.132		P = 11.384 KPA		DELTA6 = -.546 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.427	-.035	-.462	.601	.797	CHORD 6	.01	.495	-.629	-1.123	.569	1.036		
	.03	-.021			.791			.03	.136	-.921	-1.057	.727	1.157		
	.05	-.246	-.496	-.250	.882	.982		.05	.027	-1.199	-1.226	.772	1.279		
	.07	-.335	-.738	-.403	.918	1.081		.07	-.084	-1.246	-1.162	.817	1.301		
	.12	-.407	-.770	-.363	.947	1.094		.12	-.166	-1.157	-.991	.850	1.260		
	.20	-.446	-.850	-.405	.962	1.127		.20	-.244	-1.100	-.855	.881	1.234		
	.30	-.443	-.773	-.330	.961	1.095		.30	-.305	-.579	-.274	.906	1.016		
	.35	-.451	-.669	-.217	.964	1.052		.35	-.327	-.538	-.210	.915	.999		
	.45	-.447	-.634	-.187	.963	1.038		.45	-.368	-.472	-.104	.931	.973		
	.50	-.424	-.526	-.103	.953	.994		.50	-.382	-.407	-.025	.936	.946		
	.60	-.383	-.183	.200	.937	.857		.60	-.391	-.112	.279	.940	.828		
	.70	-.288	.063	.351	.899	.757		.70	-.387	.102	.489	.938	.741		
	.75	-.231	.149	.380	.876	.722		.75	-.360	.138	.498	.928	.726		
	.85		.278			.667		.85	-.257			.887			
	.90		.322			.648		.90	-.160	.188	.347	.848	.705		
.95	-.017	.319	.337	.790	.649	.95	-.002	.240	.243	.784	.683				
CHORD 2	.05	-.250	-.719	-.469	.884	1.073	CHORD 7	.05	-.021	-1.212	-1.191	.792	1.285		
	.12	-.410	-.843	-.433	.948	1.124		.12	-.151	-1.238	-1.087	.844	1.297		
	.20	-.457	-.927	-.470	.967	1.159		.20	-.207	-1.119	-.913	.866	1.243		
	.30	-.462	-.815	-.354	.968	1.113		.30	-.286	-.565	-.279	.898	1.010		
	.35	-.466	-.690	-.224	.970	1.061		.35	-.307	-.549	-.242	.907	1.004		
	.45	-.471	-.620	-.149	.972	1.032		.45	-.338	-.485	-.147	.919	.978		
	.50	-.441	-.519	-.078	.960	.992		.50	-.350	-.405	-.056	.924	.946		
	.60	-.390	-.176	.213	.940	.854		.60	-.372	-.145	.227	.932	.842		
	.70	-.311	.073	.384	.908	.753		.70	-.365	.079	.444	.930	.751		
	.75	-.239	.161	.401	.880	.716		.75	-.307	.137	.444	.907	.727		
	.85	-.137	.300	.437	.839	.657		.85	-.215			.870			
	.90	-.079	.347	.426	.815	.636		.90	-.115	.207	.322	.830	.697		
	.95	-.015	.349	.364	.789	.636		.95	.002			.782			
	CHORD 3	.05	-.233	-.743	-.511	.877		1.083	CHORD 8	.05	-.002	-1.201	-1.199	.784	1.280
		.12	-.411	-.865	-.453	.948		1.133		.12	-.118	-1.199	-1.081	.831	1.279
.20		-.450	-.958	-.507	.964	1.173	.20	-.211		-1.082	-.871	.868	1.227		
.30		-.454	-.878	-.424	.966	1.139	.30	-.278		-.557	-.279	.895	1.007		
.35		-.459	-.699	-.240	.967	1.064	.35	-.301		-.531	-.230	.904	.996		
.45		-.457	-.620	-.163	.967	1.032	.45	-.333		-.467	-.134	.917	.971		
.50		-.442	-.519	-.077	.961	.992	.50	-.353		-.409	-.056	.925	.947		
.60		-.395	-.167	.228	.942	.851	.60	-.361		-.135	.226	.928	.838		
.70		-.320	.083	.403	.912	.749	.70	-.324		.076	.401	.914	.752		
.75		-.246	.160	.406	.882	.717	.75	-.265		.131	.396	.890	.729		
.85		-.122	.288	.410	.833	.663	.85	-.245		.185	.431	.882	.706		
.90		-.136	.327	.463	.838	.646	.90	-.116		.209	.324	.830	.697		
.95		-.003	.354	.357	.784	.634	.95	.006		.231	.225	.781	.687		
CHORD 4		.05	-.177	-.964	-.786	.855	1.175	CHORD 9		.05	.017	-1.362	-1.379	.776	1.355
		.12	-.374	-.987	-.613	.933	1.185			.12	-.089	-1.236	-1.147	.819	1.296
	.20	-.401	-.998	-.597	.944	1.190	.20		-.157	-1.176	-1.019	.847	1.269		
	.30	-.439	-.970	-.531	.959	1.178	.30		-.233	-.500	-.267	.877	.984		
	.35	-.448	-.752	-.305	.963	1.086	.35		-.264	-.450	-.185	.890	.964		
	.45	-.447	-.639	-.192	.963	1.040	.45		-.291	-.400	-.109	.900	.944		
	.50		-.551			1.005	.50		-.305	-.350	-.046	.906	.924		
	.60	-.264	-.203	.061	.889	.865	.60		-.330	-.111	.219	.916	.828		
	.70	-.406	.093	.498	.946	.745	.70		-.386	.112	.498	.938	.737		
	.75	-.361	.182	.544	.928	.708	.75		-.275	.173	.448	.894	.711		
	.85	-.205	.305	.510	.866	.655	.85		-.200	.229	.430	.864	.688		
	.90	-.132	.355	.487	.836	.633	.90		-.116	.263	.378	.830	.673		
	.95	-.017	.376	.393	.790	.624	.95		.034			.769			
	CHORD 5	.01	.539	-.218	-.757	.548	.871								
		.03	.056	-1.059	-1.115	.760	1.217								
.05		-.099	-1.110	-1.012	.823	1.239									
.07		-.105	-1.236	-1.131	.826	1.296									
.12		-.277	-1.174	-.897	.895	1.268									
.20		-.307	-1.091	-.784	.907	1.230									
.30		-.369	-.611	-.242	.931	1.029									
.35		-.396	-.610	-.214	.942	1.028									
.45		-.438	-.555	-.117	.959	1.006									
.50		-.445	-.469	-.024	.962	.971									
.60		-.454	-.137	.317	.965	.839									
.70		-.448	.093	.541	.963	.745									
.75		-.404	.143	.546	.945	.724									
.85		-.254	.185	.439	.886	.707									
.90		-.123	.228	.351	.833	.688									
.95	.026	.293	.267	.772	.660										





TABLE 5.- Continued

POINT NUMBER 213 MACH = .701 RN = 2.209\*10E6 H = 16.657 KPA ALPHA = .000 DEG CPSTAR = -.861  
 Q = 3.534 KPA GAMMA = 1.136 P = 12.659 KPA DELTA6 = -.564 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.002	.286	.284	.700	.593	CHORD 6	.01	-.181	.136	.317	.765	.651
	.03	-.511			.880			.03	-.570	-.151	.419	.900	.755
	.05	-.706	.047	.753	.947	.684		.05	-.564	-.262	.302	.898	.794
	.07	-.756	-.334	.422	.964	.819		.07	-.607	-.330	.277	.913	.817
	.12	-.730	-.395	.335	.955	.840		.12	-.571	-.310	.262	.900	.810
	.20	-.666	-.445	.221	.933	.857		.20	-.545	-.299	.246	.891	.807
	.30	-.590	-.379	.211	.907	.834		.30	-.523	-.293	.230	.884	.805
	.35	-.570	-.362	.209	.900	.828		.35	-.513	-.324	.190	.881	.815
	.45	-.523	-.359	.164	.884	.828		.45	-.504	-.308	.196	.877	.810
	.50	-.486	-.354	.132	.871	.826		.50	-.498	-.282	.216	.875	.801
	.60	-.421	-.096	.325	.849	.736		.60	-.476	-.093	.383	.868	.734
	.70	-.318	.134	.452	.813	.652		.70	-.453	.153	.606	.860	.645
	.75	-.261	.228	.489	.793	.616		.75	-.417	.228	.646	.848	.616
	.85		.345			.570		.85	-.298			.806	
	.90		.373			.559		.90	-.203	.339	.542	.773	.573
	.95	-.045	.371	.416	.717	.559		.95	-.059	.358	.416	.722	.565
CHORD 2	.05	-.712	-.263	.449	.949	.794	CHORD 7	.05	-.519	-.306	.213	.882	.809
	.12	-.739	-.411	.327	.958	.845		.12	-.557	-.303	.254	.895	.808
	.20	-.684	-.467	.217	.939	.865		.20	-.514	-.337	.176	.881	.820
	.30	-.614	-.401	.213	.915	.842		.30	-.503	-.327	.176	.877	.816
	.35	-.587	-.375	.212	.906	.833		.35	-.505	-.318	.186	.877	.813
	.45	-.542	-.370	.172	.890	.831		.45	-.494	-.325	.169	.874	.816
	.50	-.497	-.336	.161	.875	.820		.50	-.487	-.301	.186	.871	.807
	.60	-.434	-.088	.346	.853	.733		.60	-.470	-.121	.350	.866	.744
	.70	-.349	.120	.469	.824	.657		.70	-.449	.104	.553	.858	.663
	.75	-.280	.236	.515	.800	.613		.75	-.400	.192	.593	.842	.630
	.85	-.179	.368	.547	.765	.561		.85	-.326			.816	
	.90	-.117	.368	.485	.743	.561		.90	-.243	.363	.605	.787	.563
	.95	-.051	.368	.419	.719	.561		.95	-.150			.754	
CHORD 3	.05	-.694	-.228	.466	.942	.782	CHORD 8	.05	-.572	-.283	.289	.901	.801
	.12	-.736	-.388	.348	.957	.837		.12	-.535	-.314	.221	.888	.812
	.20	-.678	-.440	.237	.937	.855		.20	-.533	-.336	.197	.887	.820
	.30	-.608	-.393	.215	.913	.839		.30	-.532	-.332	.200	.887	.818
	.35	-.581	-.378	.203	.904	.834		.35	-.530	-.319	.212	.886	.813
	.45	-.533	-.362	.172	.887	.828		.45	-.468	-.317	.151	.865	.813
	.50	-.503	-.340	.163	.877	.821		.50	-.459	-.299	.160	.862	.807
	.60	-.438	-.090	.348	.855	.733		.60	-.458	-.119	.339	.861	.743
	.70	-.359	.157	.516	.827	.643		.70	-.384	.101	.485	.836	.664
	.75	-.296	.243	.540	.806	.610		.75	-.323	.194	.517	.815	.629
	.85	-.177	.382	.559	.764	.555		.85	-.310	.299	.609	.811	.588
	.90	-.169	.407	.576	.761	.545		.90	-.195	.337	.532	.770	.573
	.95	-.043	.411	.454	.716	.543		.95	-.074	.342	.416	.728	.571
CHORD 4	.05	-.588	-.342	.246	.906	.822	CHORD 9	.05	-.479	-.369	.110	.869	.831
	.12	-.695	-.424	.271	.943	.850		.12	-.464	-.334	.130	.864	.819
	.20	-.664	-.429	.236	.932	.851		.20	-.425	-.342	.084	.850	.821
	.30	-.628	-.410	.219	.920	.845		.30	-.424	-.331	.093	.850	.818
	.35	-.602	-.412	.190	.911	.846		.35	-.425	-.320	.106	.850	.814
	.45	-.580	-.411	.169	.903	.845		.45	-.408	-.301	.108	.844	.807
	.50		-.410			.845		.50	-.403	-.283	.120	.843	.801
	.60	-.106	-.155	-.050	.739	.756		.60	-.397	-.108	.289	.841	.740
	.70	-.392	.121	.513	.839	.657		.70	-.427	.122	.550	.851	.656
	.75	-.420	.238	.658	.848	.612		.75	-.323	.210	.533	.815	.623
	.85	-.334	.366	.700	.819	.561		.85	-.239	.291	.530	.786	.591
	.90	-.243	.386	.629	.787	.553		.90	-.152	.327	.478	.755	.577
	.95	-.142	.402	.544	.752	.547		.95	-.010			.705	
CHORD 5	.01	-.003	.250	.253	.702	.608							
	.03	-.541	-.168	.372	.890	.761							
	.05	-.658	-.323	.335	.930	.815							
	.07	-.616	-.326	.291	.916	.816							
	.12	-.657	-.361	.296	.930	.828							
	.20	-.625	-.360	.265	.919	.828							
	.30	-.588	-.362	.227	.906	.828							
	.35	-.571	-.356	.215	.900	.826							
	.45	-.563	-.352	.211	.898	.825							
	.50	-.554	-.328	.226	.895	.817							
	.60	-.536	-.113	.423	.888	.741							
	.70	-.509	.137	.646	.879	.650							
	.75	-.477	.228	.705	.868	.616							
	.85	-.388	.323	.712	.838	.579							
	.90	-.274	.358	.631	.798	.565							
	.95	-.144	.364	.508	.752	.562							

BALANCE DATA

MACH = .698 Q = 3.541 KPA ALPHA = .001 DEG

COEFFICIENT OF LIFT .314  
 DRAG .004  
 PITCH =1.639  
 ROLL =1.442  
 YAW .046



TABLE 5.- Continued

POINT NUMBER 215 MACH = .599 RN = 2.208\*10E6 H = 18.294 KPA ALPHA = .001 DEG CPSTAR = #####  
 Q = 3.047 KPA GAMMA = 1.135 P = 14.961 KPA DELTA6 = -.554 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.060	.240	.300	.617	.522	CHORD 6	.01	-.219	.134	.353	.664	.557
	.03	-.538			.755			.03	-.547	-.137	.410	.757	.640
	.05	-.701	.022	.723	.799	.592		.05	-.528	-.230	.297	.752	.668
	.07	-.715	-.341	.373	.803	.699		.07	-.553	-.292	.262	.759	.685
	.12	-.677	-.406	.271	.793	.718		.12	-.503	-.272	.232	.745	.679
	.20	-.597	-.444	.154	.771	.728		.20	-.485	-.262	.223	.740	.677
	.30	-.525	-.383	.143	.751	.711		.30	-.464	-.257	.207	.734	.675
	.35	-.503	-.366	.137	.745	.706		.35	-.452	-.286	.166	.731	.683
	.45	-.459	-.359	.100	.733	.704		.45	-.445	-.274	.170	.729	.680
	.50	-.426	-.353	.074	.723	.703		.50	-.439	-.252	.187	.727	.674
	.60	-.384	-.122	.262	.712	.636		.60	-.429	-.093	.337	.724	.627
	.70	-.290	.092	.382	.685	.570		.70	-.400	.136	.536	.716	.556
	.75	-.242	.180	.422	.671	.542		.75	-.365	.215	.580	.706	.531
	.85		.294			.504		.85	-.275			.680	
	.90		.296			.503		.90	-.187	.315	.502	.655	.497
	.95	-.049	.296	.345	.614	.503		.95	-.059	.312	.371	.617	.498
CHORD 2	.05	-.689	-.280	.410	.796	.682	CHORD 7	.05	-.476	-.277	.199	.737	.681
	.12	-.681	-.404	.277	.794	.717		.12	-.515	-.275	.240	.748	.680
	.20	-.620	-.403	.217	.777	.717		.20	-.477	-.288	.189	.738	.684
	.30	-.543	-.386	.157	.756	.712		.30	-.461	-.290	.171	.733	.685
	.35	-.514	-.370	.144	.748	.708		.35	-.454	-.286	.167	.731	.684
	.45	-.472	-.367	.105	.736	.707		.45	-.436	-.291	.146	.726	.685
	.50	-.441	-.364	.077	.728	.706		.50	-.429	-.272	.157	.724	.680
	.60	-.396	-.125	.272	.715	.636		.60	-.419	-.117	.302	.721	.634
	.70	-.332	.088	.420	.697	.571		.70	-.396	.095	.492	.715	.569
	.75	-.256	.191	.447	.675	.539		.75	-.354	.182	.536	.703	.541
	.85	-.167	.315	.482	.649	.497		.85	-.296			.687	
	.90	-.112	.316	.427	.633	.497		.90	-.229	.341	.570	.667	.488
	.95	-.055	.316	.371	.616	.497		.95	-.141			.641	
CHORD 3	.05	-.667	-.251	.416	.790	.673	CHORD 8	.05	-.526	-.225	.302	.751	.666
	.12	-.664	-.393	.271	.789	.714		.12	-.466	-.282	.184	.735	.682
	.20	-.602	-.414	.188	.772	.720		.20	-.450	-.295	.155	.730	.686
	.30	-.533	-.383	.151	.753	.711		.30	-.437	-.290	.147	.727	.685
	.35	-.512	-.372	.140	.747	.708		.35	-.429	-.280	.149	.724	.682
	.45	-.472	-.358	.114	.736	.704		.45	-.414	-.282	.132	.720	.682
	.50	-.447	-.327	.120	.729	.695		.50	-.416	-.266	.149	.720	.678
	.60	-.405	-.116	.289	.718	.634		.60	-.390	-.112	.277	.713	.633
	.70	-.325	.112	.437	.695	.564		.70	-.345	.088	.433	.700	.571
	.75	-.270	.196	.466	.679	.537		.75	-.298	.181	.479	.687	.542
	.85	-.165	.329	.494	.649	.492		.85	-.279	.293	.572	.682	.504
	.90	-.168	.349	.517	.649	.485		.90	-.170	.322	.493	.650	.494
	.95	-.046	.347	.393	.613	.486		.95	-.055	.323	.377	.616	.494
CHORD 4	.05	-.573	-.302	.271	.764	.688	CHORD 9	.05	-.487	-.301	.186	.740	.688
	.12	-.625	-.376	.249	.779	.709		.12	-.429	-.291	.138	.724	.685
	.20	-.592	-.385	.206	.769	.712		.20	-.374	-.292	.083	.709	.685
	.30	-.570	-.369	.201	.763	.707		.30	-.370	-.293	.078	.708	.685
	.35	-.550	-.360	.190	.758	.705		.35	-.374	-.284	.090	.709	.683
	.45	-.534	-.357	.177	.754	.704		.45	-.360	-.267	.093	.705	.678
	.50		-.340			.699		.50	-.357	-.255	.101	.704	.675
	.60	-.031	-.138	-.107	.608	.641		.60	-.355	-.106	.249	.703	.631
	.70	-.354	.116	.470	.703	.562		.70	-.390	.111	.500	.713	.564
	.75	-.385	.223	.608	.712	.528		.75	-.294	.201	.495	.686	.535
	.85	-.306	.349	.655	.689	.485		.85	-.228	.283	.512	.667	.508
	.90	-.221	.386	.607	.665	.472		.90	-.158	.317	.475	.646	.496
	.95	-.126	.377	.503	.637	.475		.95	-.024			.606	
CHORD 5	.01	-.047	.247	.294	.613	.520							
	.03	-.658	-.146	.412	.760	.643							
	.05	-.630	-.279	.352	.780	.682							
	.07	-.585	-.277	.308	.768	.681							
	.12	-.604	-.314	.290	.773	.692							
	.20	-.567	-.308	.259	.763	.690							
	.30	-.528	-.314	.214	.752	.692							
	.35	-.511	-.312	.199	.747	.691							
	.45	-.502	-.311	.191	.745	.691							
	.50	-.489	-.292	.197	.741	.685							
	.60	-.472	-.110	.363	.736	.632							
	.70	-.461	.121	.582	.733	.561							
	.75	-.427	.214	.640	.724	.531							
	.85	-.356	.314	.670	.704	.497							
	.90	-.260	.342	.602	.676	.487							
	.95	-.150	.341	.491	.644	.488							

BALANCE DATA

MACH = .601 Q = 3.068 KPA ALPHA = .001 DEG

COEFFICIENT OF LIFT .305  
 DRAG .004  
 PITCH =1.494  
 ROLL =1.352  
 YAW .045

TABLE 5.- Continued

POINT NUMBER 216		MACH = .600		RN = 2.201*10E6		H = 18.299 KPA		ALPHA = 2.922 DEG		CPSTAR = #####					
		Q = 3.056 KPA		GAMMA = 1.135		P = 14.955 KPA		DELTA6 = -.563 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.599	.523	1.122	.773	.422	CHORD 6	.01	-1.209	.619	1.827	.938	.383		
	.03	-1.123			.915			.03	-1.447	.339	1.786	1.003	.489		
	.05	-1.220	.322	1.542	.941	.495		.05	-1.218	.190	1.409	.941	.540		
	.07	-1.165	-.032	1.133	.927	.610		.07	-1.120	.089	1.209	.914	.572		
	.12	-.999	-.165	.834	.882	.649		.12	-.861	-.005	.856	.844	.601		
	.20	-.826	-.255	.572	.835	.676		.20	-.742	-.045	.697	.812	.614		
	.30	-.688	-.242	.446	.797	.672		.30	-.643	-.075	.568	.785	.623		
	.35	-.645	-.242	.403	.786	.672		.35	-.603	-.139	.464	.774	.642		
	.45	-.568	-.238	.330	.764	.671		.45	-.557	-.161	.396	.761	.648		
	.50	-.517	-.238	.279	.750	.671		.50	-.531	-.157	.374	.754	.647		
	.60	-.425	-.064	.361	.724	.619		.60	-.504	-.042	.462	.746	.613		
	.70	-.325	.132	.457	.696	.558		.70	-.443	.158	.600	.729	.550		
	.75	-.268	.215	.483	.680	.532		.75	-.391	.237	.627	.715	.524		
	.85		.320			.496		.85	-.265			.679			
	.90		.339			.489		.90	-.166	.365	.531	.650	.480		
.95	-.408	.307	.355	.615	.501	.95	-.051	.355	.406	.615	.484				
CHORD 2	.05	-1.222	.053	1.275	.942	.584	CHORD 7	.05	-1.137	.141	1.278	.919	.556		
	.12	-1.019	-.154	.866	.887	.646		.12	-1.015	-.000	1.015	.886	.600		
	.20	-.840	-.244	.596	.839	.673		.20	-.849	-.061	.787	.841	.619		
	.30	-.709	-.238	.471	.803	.671		.30	-.731	-.118	.614	.809	.636		
	.35	-.660	-.239	.421	.790	.671		.35	-.655	-.135	.521	.788	.641		
	.45	-.583	-.253	.330	.768	.675		.45	-.582	-.171	.411	.768	.651		
	.50	-.522	-.251	.271	.752	.675		.50	-.554	-.171	.383	.760	.651		
	.60	-.448	-.073	.375	.731	.622		.60	-.514	-.056	.459	.749	.617		
	.70	-.355	.116	.472	.705	.563		.70	-.465	.127	.592	.735	.560		
	.75	-.284	.224	.508	.684	.528		.75	-.403	.209	.612	.718	.534		
	.85	-.180	.343	.523	.654	.488		.85	-.321			.695			
	.90	-.119	.344	.463	.636	.488		.90	-.237	.360	.598	.671	.482		
	.95	-.055	.344	.400	.617	.488		.95	-.144			.643			
	CHORD 3	.05	-1.215	.068	1.283	.940		.579	CHORD 8	.05	-1.166	.174	1.340	.927	.545
		.12	-1.022	-.129	.893	.888		.639		.12	-.796	.004	.800	.827	.598
.20		-.827	-.240	.586	.835	.672	.20	-.717		-.077	.640	.805	.623		
.30		-.708	-.231	.476	.803	.669	.30	-.615		-.122	.493	.777	.637		
.35		-.665	-.236	.429	.791	.670	.35	-.577		-.133	.445	.767	.640		
.45		-.583	-.251	.332	.768	.675	.45	-.522		-.164	.358	.752	.649		
.50		-.535	-.236	.298	.755	.670	.50	-.509		-.168	.341	.748	.650		
.60		-.453	-.057	.396	.732	.617	.60	-.468		-.056	.413	.737	.617		
.70		-.365	.148	.513	.707	.553	.70	-.391		.113	.504	.715	.565		
.75		-.299	.229	.529	.689	.527	.75	-.333		.201	.534	.698	.536		
.85		-.181	.362	.543	.654	.481	.85	-.277		.322	.599	.682	.495		
.90		-.165	.377	.542	.649	.476	.90	-.165		.352	.517	.649	.485		
.95		-.053	.372	.424	.616	.478	.95	-.056		.339	.395	.617	.490		
CHORD 4		.05	-1.150	.071	1.221	.922	.578	CHORD 9		.05	-1.051	.106	1.156	.896	.567
		.12	-1.107	-.104	1.003	.911	.631			.12	-.750	-.012	.739	.814	.603
	.20	-.947	-.177	.771	.868	.653	.20		-.590	-.093	.497	.770	.628		
	.30	-.821	-.207	.614	.834	.662	.30		-.534	-.141	.393	.755	.642		
	.35	-.741	-.217	.524	.812	.665	.35		-.510	-.152	.358	.748	.646		
	.45	-.669	-.242	.427	.792	.672	.45		-.473	-.167	.306	.738	.650		
	.50		-.243			.672	.50		-.454	-.173	.281	.732	.652		
	.60	-.149	-.079	.070	.645	.624	.60		-.422	-.060	.362	.724	.618		
	.70	-.400	.151	.550	.717	.552	.70		-.426	.127	.553	.725	.560		
	.75	-.420	.249	.670	.723	.520	.75		-.326	.215	.541	.696	.531		
	.85	-.332	.374	.706	.698	.477	.85		-.234	.302	.536	.670	.502		
	.90	-.238	.406	.644	.671	.466	.90		-.148	.336	.484	.644	.490		
	.95	-.137	.388	.526	.641	.472	.95		-.026			.608			
	CHORD 5	.01	-.804	.623	1.426	.829	.381								
		.03	-1.399	.309	1.708	.990	.500								
.05		-1.377	.143	1.521	.984	.555									
.07		-1.209	.086	1.294	.938	.573									
.12		-1.103	-.035	1.067	.910	.611									
.20		-.941	-.086	.856	.866	.626									
.30		-.803	-.144	.659	.829	.643									
.35		-.718	-.161	.558	.806	.648									
.45		-.661	-.191	.470	.790	.657									
.50		-.615	-.191	.424	.777	.657									
.60		-.572	-.055	.516	.765	.617									
.70		-.519	.144	.663	.751	.555									
.75		-.463	.234	.697	.735	.525									
.85		-.362	.345	.707	.707	.487									
.90		-.250	.373	.622	.674	.477									
.95	-.140	.352	.493	.642	.485										







TABLE 5.- Continued

POINT NUMBER 226 MACH = .817 RN = 4.709\*10E6 H = 33.002 KPA ALPHA = -.001 DEG CPSTAR = -.432  
 Q = 8.635 KPA GAMMA = 1.134 P = 22.787 KPA DELTA6 = -.667 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.156	.285	.129	.750	.693	CHORD 6	.01	-.003	.036	.040	.818	.801
	.03	-.355			.968			.03	-.471	-.223	.247	1.017	.912
	.05	-.616	-.223	.393	1.079	.912		.05	-.478	-.360	.119	1.020	.969
	.07	-.675	-.398	.277	1.105	.986		.07	-.615	-.493	.122	1.079	1.026
	.12	-.741	-.511	.230	1.135	1.034		.12	-.651	-.471	.180	1.095	1.017
	.20	-.728	-.645	.082	1.128	1.092		.20	-.679	-.435	.244	1.107	1.001
	.30	-.727	-.547	.180	1.128	1.050		.30	-.610	-.480	.130	1.077	1.021
	.35	-.702	-.549	.153	1.117	1.050		.35	-.590	-.488	.102	1.068	1.024
	.45	-.709	-.573	.136	1.120	1.061		.45	-.610	-.448	.162	1.077	1.007
	.50	-.686	-.498	.188	1.110	1.028		.50	-.612	-.389	.223	1.078	.982
	.60	-.499	-.150	.349	1.029	.881		.60	-.544	-.127	.417	1.048	.871
	.70	-.354	.100	.455	.967	.774		.70	-.443	.108	.551	1.005	.771
	.75	-.277	.194	.471	.935	.733		.75	-.362	.164	.526	.970	.746
	.85		.334		.671	.671		.85	-.197			.901	
	.90		.367		.655	.655		.90	-.081	.260	.341	.851	.704
	.95	-.027	.350	.377	.829	.663		.95	.034	.310	.276	.803	.682
CHORD 2	.05	-.604	-.289	.315	1.074	.940	CHORD 7	.05	-.611	-.530	.081	1.077	1.042
	.12	-.780	-.535	.244	1.152	1.045		.12	-.545	-.514	.031	1.048	1.035
	.20	-.826	-.697	.129	1.173	1.115		.20	-.557	-.527	.030	1.054	1.041
	.30	-.769	-.604	.165	1.147	1.074		.30	-.640	-.512	.128	1.090	1.034
	.35	-.754	-.600	.154	1.140	1.073		.35	-.644	-.496	.148	1.092	1.028
	.45	-.776	-.597	.179	1.150	1.071		.45	-.606	-.475	.131	1.075	1.019
	.50	-.749	-.501	.248	1.138	1.030		.50	-.585	-.411	.174	1.066	.991
	.60	-.522	-.129	.392	1.039	.872		.60	-.519	-.129	.390	1.037	.872
	.70	-.384	.113	.497	.980	.768		.70	-.419	.095	.514	.995	.776
	.75	-.285	.196	.481	.938	.732		.75	-.304	.143	.447	.946	.755
	.85	-.157	.331	.487	.884	.672		.85	-.172			.890	
	.90	-.088	.384	.472	.854	.647		.90	-.072	.227	.299	.848	.719
	.95	-.012	.384	.396	.822	.648		.95	.029			.804	
CHORD 3	.05	-.581	-.282	.300	1.064	.937	CHORD 8	.05	-.541	-.427	.114	1.047	.998
	.12	-.817	-.518	.299	1.168	1.037		.12	-.517	-.441	.076	1.037	1.004
	.20	-.825	-.695	.131	1.172	1.114		.20	-.599	-.523	.076	1.072	1.039
	.30	-.794	-.619	.174	1.158	1.081		.30	-.593	-.512	.081	1.069	1.034
	.35	-.778	-.610	.167	1.151	1.077		.35	-.600	-.479	.120	1.072	1.020
	.45	-.786	-.609	.177	1.154	1.076		.45	-.576	-.446	.130	1.062	1.006
	.50	-.782	-.496	.287	1.153	1.027		.50	-.552	-.399	.153	1.051	.986
	.60	-.537	-.129	.408	1.045	.872		.60	-.498	-.131	.367	1.028	.873
	.70	-.390	.120	.510	.983	.766		.70	-.372	.086	.458	.975	.780
	.75	-.297	.202	.499	.943	.729		.75	-.285	.146	.432	.938	.754
	.85	-.153	.350	.503	.882	.663		.85	-.221	.205	.427	.911	.728
	.90	-.135	.390	.524	.874	.645		.90	-.094	.236	.330	.857	.714
	.95	-.003	.404	.408	.818	.638		.95	.020	.273	.253	.808	.698
CHORD 4	.05	-.598	-.432	.166	1.072	1.000	CHORD 9	.05	-.540	-.557	-.017	1.047	1.054
	.12	-.710	-.580	.130	1.121	1.064		.12	-.530	-.461	.069	1.042	1.012
	.20	-.756	-.624	.132	1.141	1.083		.20	-.483	-.585	-.102	1.022	1.066
	.30	-.789	-.599	.191	1.156	1.072		.30	-.537	-.491	.046	1.045	1.025
	.35	-.769	-.596	.174	1.147	1.070		.35	-.518	-.468	.050	1.037	1.016
	.45	-.773	-.612	.161	1.149	1.078		.45	-.488	-.410	.078	1.024	.991
	.50		-.508			1.033		.50	-.464	-.366	.098	1.014	.972
	.60	-.618	-.132	.486	1.080	.873		.60	-.440	-.118	.322	1.004	.867
	.70	-.491	.126	.617	1.025	.763		.70	-.438	.120	.558	1.003	.765
	.75	-.407	.202	.609	.989	.730		.75	-.302	.187	.489	.945	.736
	.85	-.204	.316	.520	.904	.679		.85	-.172	.245	.418	.890	.710
	.90	-.093	.374	.468	.857	.652		.90	-.056	.288	.344	.841	.691
	.95	.021	.403	.383	.808	.639		.95	.059			.792	
CHORD 5	.01	.157	.223	.066	.749	.720	BALANCE DATA						
	.03	-.560	-.221	.338	1.055	.911	MACH = .823	Q = 8.971 KPA	ALPHA = -.001 DEG				
	.05	-.650	-.428	.222	1.094	.999	COEFFICIENT OF LIFT						
	.07	-.593	-.452	.141	1.069	1.009	DRAG .249						
	.12	-.688	-.548	.139	1.111	1.050	PITCH -1.376						
	.20	-.759	-.535	.224	1.142	1.044	ROLL -1.188						
	.30	-.727	-.534	.193	1.128	1.044	YAW .041						
	.35	-.741	-.516	.225	1.134	1.036							
	.45	-.724	-.490	.235	1.127	1.025							
	.50	-.685	-.430	.255	1.110	.999							
	.60	-.622	-.120	.503	1.082	.868							
	.70	-.464	.108	.572	1.014	.770							
	.75	-.374	.160	.534	.975	.748							
	.85	-.181	.219	.400	.894	.722							
	.90	-.053	.256	.310	.840	.706							
	.95	.041	.304	.263	.800	.684							

TABLE 5.- Continued

POINT NUMBER 227		MACH = .822		RN = 4.709*10E6		H = 33.128 KPA		ALPHA = 2.206 DEG		CPSTAR = -.419			
		Q = 8.725 KPA		GAMMA = 1.134		P = 22.788 KPA		DELTA6 = -.692 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.056	.477	.533	.845	.607	CHORD 6	.01	-.395	.406	.801	.990	.641
	.03	-.605			1.081			.03	-.855	.126	.981	1.193	.767
	.05	-.884	-.006	.877	1.206	.824		.05	-.989	-.027	.962	1.256	.833
	.07	-.877	-.174	.703	1.203	.896		.07	-1.033	-.141	.893	1.277	.882
	.12	-1.016	-.316	.701	1.269	.956		.12	-1.098	-.210	.888	1.309	.911
	.20	-.943	-.453	.489	1.234	1.015		.20	-1.027	-.225	.803	1.274	.917
	.30	-.919	-.430	.489	1.223	1.005		.30	-1.028	-.303	.726	1.275	.950
	.35	-.895	-.431	.464	1.211	1.005		.35	-1.051	-.330	.721	1.285	.962
	.45	-.910	-.485	.425	1.218	1.028		.45	-1.052	-.336	.716	1.286	.965
	.50	-.910	-.433	.478	1.218	1.006		.50	-1.094	-.310	.785	1.307	.953
	.60	-.728	-.119	.608	1.135	.872		.60	-.663	-.097	.566	1.106	.863
	.70	-.367	.130	.497	.978	.765		.70	-.389	.160	.549	.987	.752
	.75	-.282	.222	.504	.942	.725		.75	-.313	.228	.540	.955	.722
	.85		.356			.664		.85	-.168			.893	
	.90		.383			.652		.90	-.084	.350	.433	.857	.667
	.95	-.031	.356	.387	.835	.664		.95	-.000	.376	.376	.821	.655
CHORD 2	.05	-.874	-.070	.804	1.201	.851	CHORD 7	.05	-1.100	-.101	.999	1.310	.864
	.12	-1.044	-.334	.710	1.282	.964		.12	-1.034	-.170	.864	1.277	.894
	.20	-1.037	-.467	.570	1.279	1.021		.20	-1.045	-.246	.798	1.283	.926
	.30	-1.016	-.442	.574	1.269	1.010		.30	-1.037	-.289	.748	1.279	.945
	.35	-.956	-.444	.513	1.240	1.011		.35	-1.032	-.300	.732	1.277	.949
	.45	-.945	-.473	.472	1.235	1.023		.45	-1.072	-.328	.744	1.296	.961
	.50	-.955	-.414	.541	1.239	.998		.50	-1.061	-.302	.759	1.291	.950
	.60	-.772	-.112	.660	1.155	.869		.60	-.547	-.096	.450	1.055	.863
	.70	-.365	.143	.508	.977	.760		.70	-.342	.141	.482	.967	.760
	.75	-.273	.226	.499	.938	.723		.75	-.260	.213	.472	.932	.729
	.85	-.149	.353	.501	.885	.666		.85	-.148			.885	
	.90	-.084	.402	.485	.857	.643		.90	-.071	.319	.390	.852	.681
	.95	-.016	.399	.414	.828	.644		.95	.009			.817	
CHORD 3	.05	-.876	-.070	.806	1.203	.851	CHORD 8	.05	-.962	-.049	.913	1.243	.842
	.12	-1.057	-.305	.752	1.289	.952		.12	-1.057	-.180	.876	1.289	.898
	.20	-1.077	-.477	.600	1.299	1.025		.20	-1.072	-.275	.798	1.296	.939
	.30	-1.017	-.443	.574	1.269	1.010		.30	-1.063	-.298	.766	1.292	.948
	.35	-.979	-.448	.531	1.251	1.012		.35	-1.037	-.294	.743	1.279	.947
	.45	-.955	-.468	.488	1.240	1.021		.45	-1.038	-.311	.726	1.279	.954
	.50	-.956	-.412	.544	1.240	.997		.50	-1.076	-.299	.777	1.298	.949
	.60	-.789	-.104	.685	1.163	.866		.60	-.488	-.102	.386	1.030	.865
	.70	-.368	.149	.518	.978	.757		.70	-.305	.118	.423	.952	.770
	.75	-.276	.235	.511	.939	.719		.75	-.245	.207	.453	.926	.731
	.85	-.146	.382	.528	.884	.652		.85	-.185	.304	.489	.900	.688
	.90	-.127	.411	.538	.876	.639		.90	-.096	.341	.438	.863	.671
	.95	-.011	.415	.425	.826	.637		.95	-.008	.353	.361	.825	.665
CHORD 4	.05	-.940	-.146	.794	1.233	.884	CHORD 9	.05	-1.070	-.085	.985	1.295	.858
	.12	-1.012	-.319	.693	1.267	.957		.12	-1.073	-.176	.898	1.297	.896
	.20	-1.051	-.411	.640	1.286	.997		.20	-1.005	-.261	.745	1.264	.932
	.30	-1.107	-.427	.679	1.313	1.004		.30	-1.023	-.291	.732	1.272	.946
	.35	-1.086	-.440	.645	1.303	1.009		.35	-1.051	-.302	.749	1.286	.950
	.45	-1.080	-.457	.623	1.300	1.017		.45	-.785	-.305	.480	1.161	.951
	.50		-.423			1.002		.50	-.431	-.287	.144	1.005	.944
	.60	-.933	-.114	.819	1.229	.870		.60	-.330	-.097	.233	.962	.863
	.70	-.456	.160	.615	1.016	.752		.70	-.381	.147	.529	.984	.757
	.75	-.355	.248	.603	.973	.713		.75	-.290	.227	.517	.945	.722
	.85	-.188	.370	.558	.902	.658		.85	-.183	.303	.486	.899	.688
	.90	-.091	.419	.511	.860	.634		.90	-.084	.342	.426	.857	.670
	.95	.005	.426	.421	.819	.631		.95	.031			.808	
CHORD 5	.01	-.093	.473	.567	.861	.609							
	.03	-1.024	.087	1.112	1.273	.784							
	.05	-.960	-.105	.855	1.242	.866							
	.07	-.923	-.130	.793	1.225	.877							
	.12	-1.059	-.268	.791	1.290	.936							
	.20	-1.058	-.300	.758	1.289	.949							
	.30	-1.039	-.356	.683	1.280	.973							
	.35	-1.047	-.367	.680	1.284	.978							
	.45	-1.080	-.393	.686	1.300	.989							
	.50	-1.117	-.370	.747	1.318	.979							
	.60	-.651	-.121	.530	1.101	.873							
	.70	-.393	.128	.521	.989	.766							
	.75	-.318	.203	.522	.957	.733							
	.85	-.197	.290	.487	.905	.694							
	.90	-.140	.325	.464	.881	.678							
	.95	-.098	.332	.430	.863	.675							

TABLE 5.- Continued

POINT NUMBER 228 MACH = .797 RN = 4.705\*10E6 H = 33.603 KPA ALPHA = .000 DEG CPSTAR = -.494  
 Q = 8.512 KPA GAMMA = 1.134 P = 23.617 KPA DELTA6 = -.660 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.140	.279	.139	.738	.678	CHORD 6	.01	-.022	.041	.063	.806	.780
	.03	-.375			.951			.03	-.488	-.223	.265	.997	.889
	.05	-.639	-.237	.402	1.060	.895		.05	-.492	-.355	.137	.999	.943
	.07	-.702	-.404	.298	1.087	.963		.07	-.624	-.476	.148	1.054	.993
	.12	-.776	-.517	.259	1.118	1.010		.12	-.635	-.467	.167	1.059	.989
	.20	-.744	-.640	.104	1.105	1.061		.20	-.604	-.423	.181	1.046	.971
	.30	-.692	-.549	.143	1.082	1.023		.30	-.592	-.462	.130	1.041	.987
	.35	-.689	-.534	.155	1.081	1.016		.35	-.595	-.461	.133	1.042	.987
	.45	-.675	-.553	.122	1.075	1.024		.45	-.583	-.430	.153	1.037	.974
	.50	-.602	-.480	.122	1.045	.994		.50	-.570	-.381	.189	1.031	.953
	.60	-.501	-.155	.346	1.003	.861		.60	-.527	-.126	.401	1.014	.849
	.70	-.350	.096	.446	.941	.757		.70	-.452	.117	.569	.983	.748
	.75	-.276	.189	.465	.911	.717		.75	-.377	.175	.552	.952	.723
	.85		.326			.657		.85	-.218			.887	
	.90		.358			.643		.90	-.102	.272	.373	.839	.681
	.95	-.033	.340	.373	.811	.651		.95	.022	.318	.296	.788	.661
CHORD 2	.05	-.638	-.301	.337	1.060	.921	CHORD 7	.05	-.606	-.508	.098	1.047	1.006
	.12	-.776	-.539	.237	1.118	1.019		.12	-.574	-.478	.096	1.033	.993
	.20	-.781	-.674	.107	1.120	1.075		.20	-.548	-.491	.057	1.022	.999
	.30	-.739	-.578	.161	1.102	1.035		.30	-.597	-.474	.123	1.043	.992
	.35	-.706	-.558	.148	1.089	1.027		.35	-.593	-.461	.132	1.041	.987
	.45	-.687	-.555	.132	1.080	1.025		.45	-.555	-.447	.108	1.025	.981
	.50	-.588	-.475	.113	1.039	.992		.50	-.530	-.396	.134	1.015	.960
	.60	-.525	-.158	.368	1.013	.862		.60	-.501	-.134	.367	1.003	.852
	.70	-.379	.095	.474	.953	.757		.70	-.419	.100	.518	.969	.755
	.75	-.285	.194	.479	.914	.715		.75	-.312	.153	.465	.925	.733
	.85	-.165	.327	.492	.865	.657		.85	-.193			.876	
	.90	-.095	.375	.470	.836	.635		.90	-.092	.242	.334	.835	.694
	.95	-.022	.374	.396	.806	.636		.95	.015			.791	
CHORD 3	.05	-.631	-.302	.329	1.057	.921	CHORD 8	.05	-.556	-.424	.132	1.026	.971
	.12	-.809	-.527	.282	1.133	1.014		.12	-.513	-.431	.081	1.008	.974
	.20	-.809	-.676	.133	1.132	1.076		.20	-.576	-.502	.074	1.034	1.003
	.30	-.752	-.581	.171	1.108	1.036		.30	-.571	-.476	.096	1.032	.992
	.35	-.736	-.579	.157	1.101	1.035		.35	-.559	-.448	.111	1.027	.981
	.45	-.672	-.557	.115	1.074	1.026		.45	-.533	-.426	.107	1.016	.972
	.50	-.603	-.474	.129	1.045	.992		.50	-.532	-.388	.144	1.016	.957
	.60	-.538	-.140	.398	1.018	.855		.60	-.479	-.139	.339	.994	.855
	.70	-.388	.115	.503	.957	.749		.70	-.378	.088	.466	.952	.760
	.75	-.299	.199	.498	.920	.713		.75	-.296	.156	.452	.919	.731
	.85	-.157	.345	.503	.862	.649		.85	-.238	.223	.461	.895	.702
	.90	-.146	.382	.528	.857	.632		.90	-.109	.255	.364	.842	.689
	.95	-.012	.394	.407	.802	.627		.95	.009	.286	.277	.793	.675
CHORD 4	.05	-.634	-.429	.205	1.058	.973	CHORD 9	.05	-.538	-.534	.004	1.018	1.017
	.12	-.769	-.580	.189	1.115	1.036		.12	-.493	-.470	.023	1.000	.990
	.20	-.797	-.606	.191	1.127	1.046		.20	-.464	-.506	-.042	.988	1.005
	.30	-.719	-.575	.143	1.094	1.034		.30	-.485	-.459	.026	.996	.985
	.35	-.661	-.563	.098	1.069	1.029		.35	-.491	-.439	.053	.999	.977
	.45	-.720	-.557	.163	1.094	1.026		.45	-.459	-.392	.067	.986	.958
	.50		-.494			1.000		.50	-.450	-.357	.093	.982	.944
	.60	-.522	-.149	.373	1.012	.859		.60	-.429	-.120	.309	.973	.847
	.70	-.498	.126	.623	1.002	.744		.70	-.441	.121	.562	.978	.746
	.75	-.424	.210	.634	.971	.708		.75	-.309	.191	.500	.924	.716
	.85	-.218	.326	.544	.887	.657		.85	-.185	.255	.440	.873	.689
	.90	-.113	.380	.493	.844	.633		.90	-.073	.296	.369	.827	.671
	.95	.006	.403	.397	.795	.623		.95	.048			.777	
CHORD 5	.01	.138	.229	.091	.739	.700							
	.03	-.580	-.217	.362	1.036	.887							
	.05	-.661	-.423	.238	1.070	.971							
	.07	-.556	-.432	.124	1.026	.975							
	.12	-.714	-.532	.182	1.092	1.016							
	.20	-.663	-.503	.160	1.070	1.004							
	.30	-.693	-.510	.183	1.083	1.006							
	.35	-.684	-.496	.188	1.079	1.001							
	.45	-.674	-.473	.201	1.075	.991							
	.50	-.675	-.422	.254	1.075	.970							
	.60	-.589	-.127	.462	1.039	.849							
	.70	-.484	.113	.597	.996	.749							
	.75	-.400	.172	.572	.961	.725							
	.85	-.210	.234	.444	.884	.698							
	.90	-.076	.271	.347	.828	.682							
	.95	.030	.312	.282	.784	.664							

BALANCE DATA

MACH = .803 Q = 8.834 KPA ALPHA = .001 DEG  
 COEFFICIENT OF LIFT .244  
 DRAG .008  
 PITCH -1.338  
 ROLL -1.150  
 YAW .042



TABLE 5.- Continued

POINT NUMBER 230		MACH = .783		RN = 4.721*10E6		H = 34.314 KPA		ALPHA = .001 DEG		CPSTAR = -.541					
		Q = 8.486 KPA		GAMMA = 1.133		P = 24.415 KPA		DELTA6 = -.656 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.115	.274	.160	.736	.668	CHORD 6	.01	-.042	.043	.085	.800	.765		
	.03	-.415			.950			.03	-.498	-.219	.279	.983	.871		
	.05	-.651	-.242	.409	1.044	.880		.05	-.499	-.345	.153	.983	.922		
	.07	-.723	-.402	.320	1.074	.944		.07	-.620	-.450	.170	1.032	.963		
	.12	-.791	-.508	.284	1.102	.987		.12	-.624	-.444	.180	1.033	.961		
	.20	-.753	-.612	.141	1.087	1.029		.20	-.607	-.400	.207	1.027	.943		
	.30	-.661	-.521	.140	1.049	.992		.30	-.573	-.417	.156	1.013	.950		
	.35	-.672	-.502	.170	1.053	.985		.35	-.568	-.434	.135	1.011	.957		
	.45	-.617	-.510	.106	1.031	.988		.45	-.553	-.407	.146	1.005	.946		
	.50	-.573	-.452	.121	1.013	.964		.50	-.541	-.365	.176	1.000	.930		
	.60	-.481	-.151	.330	.976	.844		.60	-.509	-.127	.382	.987	.834		
	.70	-.342	.099	.441	.920	.742		.70	-.442	.121	.563	.960	.733		
	.75	-.272	.191	.463	.892	.704		.75	-.378	.182	.560	.935	.708		
	.85		.325			.646		.85	-.231			.876			
	.90		.357			.632		.90	-.115	.287	.401	.829	.663		
.95	-.037	.337	.375	.798	.641	.95	.013	.327	.314	.777	.645				
CHORD 2	.05	-.662	-.304	.358	1.049	.905	CHORD 7	.05	-.599	-.480	.119	1.024	.976		
	.12	-.699	-.530	.169	1.064	.996		.12	-.577	-.441	.136	1.015	.960		
	.20	-.766	-.622	.144	1.092	1.033		.20	-.540	-.454	.086	1.000	.965		
	.30	-.718	-.552	.166	1.072	1.004		.30	-.565	-.443	.122	1.010	.961		
	.35	-.691	-.522	.169	1.061	.992		.35	-.560	-.431	.128	1.008	.958		
	.45	-.651	-.519	.132	1.045	.991		.45	-.523	-.422	.101	.993	.952		
	.50	-.592	-.450	.143	1.021	.963		.50	-.505	-.378	.127	.986	.935		
	.60	-.496	-.149	.347	.982	.843		.60	-.484	-.135	.349	.977	.837		
	.70	-.373	.110	.484	.933	.737		.70	-.413	.102	.515	.949	.741		
	.75	-.285	.194	.480	.898	.702		.75	-.313	.162	.475	.909	.716		
	.85	-.169	.324	.494	.851	.646		.85	-.204			.865			
	.90	-.102	.371	.473	.824	.626		.90	-.106	.252	.357	.826	.678		
	.95	-.031	.369	.400	.795	.627		.95	.003			.782			
	CHORD 3	.05	-.655	-.297	.358	1.046		.902	CHORD 8	.05	-.557	-.402	.156	1.007	.944
		.12	-.788	-.492	.296	1.101		.981		.12	-.517	-.415	.102	.990	.949
.20		-.745	-.644	.101	1.083	1.042	.20	-.559		-.473	.085	1.007	.973		
.30		-.721	-.549	.173	1.073	1.003	.30	-.541		-.446	.095	1.000	.962		
.35		-.662	-.529	.133	1.049	.995	.35	-.528		-.420	.109	.995	.951		
.45		-.642	-.513	.129	1.041	.989	.45	-.510		-.403	.107	.988	.945		
.50		-.596	-.451	.146	1.022	.964	.50	-.511		-.371	.140	.988	.932		
.60		-.502	-.137	.365	.984	.838	.60	-.462		-.139	.322	.968	.839		
.70		-.380	.117	.497	.936	.735	.70	-.376		.087	.463	.934	.747		
.75		-.298	.202	.499	.903	.699	.75	-.299		.161	.459	.903	.717		
.85		-.161	.347	.508	.848	.637	.85	-.247		.234	.481	.882	.685		
.90		-.150	.380	.530	.844	.622	.90	-.120		.266	.386	.831	.672		
.95		-.021	.388	.409	.791	.618	.95	-.000		.294	.294	.783	.660		
CHORD 4		.05	-.657	-.415	.242	1.047	.950	CHORD 9		.05	-.534	-.507	.027	.997	.986
		.12	-.827	-.534	.294	1.117	.997			.12	-.477	-.443	.034	.974	.961
	.20	-.659	-.570	.089	1.048	1.012	.20		-.443	-.462	-.019	.961	.969		
	.30	-.702	-.538	.164	1.066	.999	.30		-.460	-.432	.028	.967	.956		
	.35	-.696	-.527	.169	1.063	.994	.35		-.461	-.411	.051	.968	.948		
	.45	-.664	-.518	.146	1.050	.991	.45		-.438	-.374	.064	.959	.933		
	.50		-.472			.972	.50		-.429	-.343	.086	.955	.921		
	.60	-.514	-.151	.363	.989	.844	.60		-.414	-.124	.291	.949	.833		
	.70	-.491	.126	.618	.980	.731	.70		-.434	.119	.553	.957	.734		
	.75	-.427	.214	.641	.954	.694	.75		-.307	.195	.503	.907	.702		
	.85	-.232	.332	.564	.876	.643	.85		-.193	.260	.453	.861	.674		
	.90	-.125	.383	.509	.834	.620	.90		-.087	.300	.386	.818	.657		
	.95	-.006	.401	.407	.785	.612	.95		.039			.767			
	CHORD 5	.01	.114	.228	.114	.736	.688								
		.03	-.588	-.211	.377	1.019	.868								
.05		-.655	-.407	.248	1.046	.946									
.07		-.546	-.406	.141	1.002	.946									
.12		-.737	-.502	.236	1.080	.984									
.20		-.619	-.471	.149	1.032	.972									
.30		-.644	-.476	.167	1.042	.974									
.35		-.637	-.465	.172	1.039	.970									
.45		-.641	-.448	.193	1.040	.963									
.50		-.617	-.405	.212	1.031	.946									
.60		-.564	-.130	.434	1.009	.835									
.70		-.485	.117	.602	.978	.735									
.75		-.412	.179	.591	.948	.709									
.85		-.226	.248	.475	.874	.679									
.90		-.093	.287	.380	.821	.663									
.95	.022	.321	.300	.774	.648										







TABLE 5.- Continued

POINT NUMBER 232		MACH = .780		RN = 4.710*10E6		H = 34.4C7 KPA		ALPHA = 4.000 DEG		CPSTAR = -.551			
		Q = 8.464 KPA		GAMMA = 1.133		P = 24.546 KPA		DELTA6 = -.695 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.334	.595	.930	.914	.518	CHORD 6	.01	-.876	.650	1.526	1.133	.491
	.03	-.937			1.158			.03	-1.362	.401	1.763	1.348	.610
	.05	-1.242	.150	1.391	1.292	.718		.05	-1.420	.248	1.668	1.376	.677
	.07	-1.297	-.008	1.289	1.317	.783		.07	-1.509	.134	1.642	1.420	.725
	.12	-1.294	-.154	1.140	1.316	.842		.12	-1.527	.020	1.547	1.429	.772
	.20	-1.220	-.283	.938	1.282	.893		.20	-1.486	-.027	1.459	1.409	.791
	.30	-1.124	-.284	.840	1.239	.894		.30	-1.470	-.118	1.352	1.401	.827
	.35	-1.077	-.295	.782	1.218	.898		.35	-1.473	-.154	1.319	1.402	.842
	.45	-.975	-.339	.636	1.174	.915		.45	-1.462	-.181	1.280	1.397	.853
	.50	-.762	-.318	.444	1.085	.907		.50	-.954	-.178	.776	1.165	.851
	.60	-.518	-.082	.437	.987	.813		.60	-.675	-.032	.643	1.050	.793
	.70	-.364	.149	.512	.925	.719		.70	-.448	.193	.642	.959	.700
	.75	-.289	.237	.526	.895	.681		.75	-.337	.271	.608	.915	.667
	.85		.365			.626		.85	-.184			.854	
	.90		.384			.617		.90	-.111	.410	.521	.825	.606
	.95	-.045	.348	.393	.798	.633		.95	-.023	.414	.437	.789	.604
CHORD 2	.05	-1.216	.108	1.323	1.280	.736	CHORD 7	.05	-1.507	.181	1.688	1.419	.705
	.12	-1.420	-.161	1.259	1.376	.844		.12	-1.480	.053	1.533	1.405	.758
	.20	-1.359	-.288	1.071	1.347	.895		.20	-1.475	-.046	1.429	1.403	.798
	.30	-1.259	-.286	.973	1.300	.894		.30	-1.450	-.111	1.339	1.391	.825
	.35	-1.175	-.297	.878	1.262	.899		.35	-1.450	-.138	1.311	1.391	.836
	.45	-1.060	-.333	.727	1.211	.913		.45	-1.334	-.182	1.152	1.335	.853
	.50	-.748	-.310	.438	1.080	.904		.50	-.843	-.178	.665	1.119	.851
	.60	-.507	-.085	.422	.982	.814		.60	-.599	-.038	.561	1.019	.795
	.70	-.373	.156	.528	.929	.716		.70	-.375	.166	.541	.930	.711
	.75	-.286	.241	.527	.894	.680		.75	-.274	.249	.523	.890	.676
	.85	-.160	.368	.529	.844	.624		.85	-.174			.850	
	.90	-.097	.407	.504	.819	.607		.90	-.108	.378	.486	.823	.620
	.95	-.031	.404	.434	.792	.609		.95	-.021			.788	
CHORD 3	.05	-1.239	.111	1.350	1.291	.734	CHORD 8	.05	-1.475	.232	1.707	1.403	.683
	.12	-1.413	-.118	1.295	1.372	.827		.12	-1.497	.032	1.529	1.414	.767
	.20	-1.384	-.290	1.094	1.359	.896		.20	-1.512	-.072	1.441	1.422	.809
	.30	-1.313	-.280	1.033	1.325	.892		.30	-1.480	-.126	1.354	1.406	.831
	.35	-1.250	-.293	.957	1.296	.897		.35	-1.472	-.139	1.333	1.402	.836
	.45	-1.073	-.328	.745	1.217	.911		.45	-1.171	-.179	.991	1.260	.852
	.50	-.752	-.308	.444	1.081	.903		.50	-.764	-.184	.580	1.086	.854
	.60	-.504	-.074	.430	.981	.810		.60	-.582	-.047	.534	1.012	.799
	.70	-.371	.162	.533	.928	.713		.70	-.352	.145	.437	.921	.720
	.75	-.284	.247	.531	.894	.677		.75	-.267	.240	.507	.887	.680
	.85	-.150	.388	.538	.840	.616		.85	-.178	.360	.538	.851	.628
	.90	-.149	.411	.561	.840	.605		.90	-.103	.395	.498	.821	.613
	.95	-.024	.412	.435	.789	.605		.95	-.028	.389	.417	.791	.615
CHORD 4	.05	-1.302	.090	1.392	1.320	.743	CHORD 9	.05	-1.537	.180	1.716	1.434	.706
	.12	-1.421	-.108	1.312	1.376	.823		.12	-1.529	.031	1.560	1.430	.767
	.20	-1.392	-.207	1.184	1.362	.863		.20	-1.470	-.083	1.388	1.401	.813
	.30	-1.407	-.247	1.160	1.370	.879		.30	-1.446	-.145	1.301	1.389	.838
	.35	-1.392	-.266	1.126	1.362	.886		.35	-1.423	-.167	1.256	1.378	.847
	.45	-1.378	-.306	1.073	1.356	.902		.45	-.664	-.196	.469	1.046	.858
	.50		-.304			.901		.50	-.538	-.197	.340	.995	.859
	.60	-.484	-.085	.399	.973	.814		.60	-.347	-.062	.285	.919	.805
	.70	-.422	.171	.594	.949	.709		.70	-.343	.151	.494	.917	.718
	.75	-.363	.269	.632	.925	.668		.75	-.272	.242	.514	.889	.680
	.85	-.210	.402	.612	.864	.610		.85	-.186	.325	.511	.854	.644
	.90	-.123	.443	.565	.829	.591		.90	-.109	.364	.473	.824	.626
	.95	-.014	.440	.454	.785	.592		.95	-.004			.782	
CHORD 5	.01	-.442	.660	1.102	.956	.486							
	.03	-1.438	.345	1.783	1.385	.635							
	.05	-1.392	.164	1.556	1.362	.712							
	.07	-1.392	.123	1.515	1.362	.729							
	.12	-1.478	-.035	1.444	1.405	.794							
	.20	-1.433	-.093	1.340	1.382	.817							
	.30	-1.421	-.167	1.254	1.376	.847							
	.35	-1.420	-.181	1.240	1.376	.852							
	.45	-1.434	-.219	1.215	1.383	.868							
	.50	-1.331	-.218	1.113	1.333	.867							
	.60	-.685	-.044	.641	1.054	.798							
	.70	-.449	.184	.633	.959	.704							
	.75	-.344	.272	.617	.918	.666							
	.85	-.189	.377	.566	.856	.621							
	.90	-.100	.406	.506	.820	.608							
	.95	-.010	.402	.412	.784	.610							

TABLE 5.- Continued

POINT NUMBER 232 MACH = .780 RN = 4.710\*10E6 H = 34.407 KPA ALPHA = 2.000 DEG CPSTAR = -.551  
 Q = 8.464 KPA GAMMA = 1.133 P = 24.546 KPA DELTA6 = -.695 DEG

POINT NUMBER 232						POINT NUMBER 232						
X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML	
CHORD 1	.01	-.126	.458	.584	.831	.584	CHORD 6	.01	-.535	.440	.975	.994
	.03	-.695			1.058			.03	-1.025	.157	1.182	1.196
	.05	-.967	-.032	.934	1.171	.793		.05	-1.148	.002	1.150	1.250
	.07	-.967	-.183	.784	1.171	.853		.07	-1.177	-.105	1.072	1.263
	.12	-1.077	-.310	.767	1.218	.904		.12	-1.213	-.182	1.032	1.279
	.20	-1.002	-.436	.566	1.186	.954		.20	-1.028	-.193	.835	1.197
	.30	-.891	-.403	.488	1.139	.941		.30	-.905	-.258	.647	1.145
	.35	-.844	-.401	.443	1.119	.940		.35	-.705	-.276	.430	1.062
	.45	-.741	-.430	.311	1.077	.952		.45	-.649	-.293	.356	1.039
	.50	-.630	-.393	.237	1.032	.937		.50	-.638	-.276	.362	1.035
	.60	-.514	-.122	.392	.985	.829		.60	-.584	-.093	.491	1.013
	.70	-.363	.122	.485	.925	.730		.70	-.481	.157	.638	.972
	.75	-.287	.215	.502	.895	.691		.75	-.402	.232	.635	.941
	.85		.349			.633		.85	-.235			.874
	.90		.376			.621		.90	-.118	.364	.481	.827
	.95	-.039	.349	.389	.796	.633		.95	-.004	.378	.383	.781
CHORD 2	.05	-.946	-.085	.861	1.162	.814	CHORD 7	.05	-1.243	-.080	1.164	1.293
	.12	-1.156	-.336	.819	1.253	.914		.12	-1.117	-.152	.964	1.236
	.20	-1.050	-.448	.602	1.207	.959		.20	-1.062	-.227	.835	1.212
	.30	-.949	-.416	.533	1.163	.946		.30	-.710	-.265	.445	1.064
	.35	-.862	-.412	.450	1.127	.945		.35	-.683	-.278	.405	1.053
	.45	-.728	-.411	.317	1.072	.944		.45	-.653	-.308	.345	1.041
	.50	-.624	-.388	.235	1.029	.935		.50	-.614	-.289	.326	1.025
	.60	-.526	-.110	.417	.990	.824		.60	-.554	-.100	.453	1.001
	.70	-.387	.134	.520	.934	.725		.70	-.450	-.131	.581	.960
	.75	-.293	.224	.518	.897	.687		.75	-.334	.212	.547	.914
	.85	-.169	.358	.527	.848	.629		.85	-.217			.867
	.90	-.102	.393	.495	.821	.613		.90	-.122	.329	.452	.829
	.95	-.032	.393	.425	.793	.614		.95	-.017			.787
CHORD 3	.05	-.998	-.073	.925	1.184	.809	CHORD 8	.05	-1.110	-.014	1.096	1.233
	.12	-1.157	-.299	.857	1.253	.900		.12	-1.160	-.158	1.002	1.255
	.20	-1.050	-.455	.595	1.206	.961		.20	-1.099	-.247	.852	1.228
	.30	-.986	-.418	.568	1.179	.947		.30	-.660	-.272	.388	1.044
	.35	-.890	-.417	.473	1.138	.946		.35	-.668	-.269	.399	1.047
	.45	-.721	-.429	.292	1.069	.951		.45	-.647	-.290	.357	1.039
	.50	-.619	-.391	.228	1.027	.936		.50	-.615	-.283	.332	1.026
	.60	-.536	-.113	.423	.994	.825		.60	-.533	-.108	.426	.993
	.70	-.394	.139	.533	.937	.723		.70	-.413	.108	.521	.945
	.75	-.300	.224	.524	.900	.687		.75	-.326	.205	.531	.910
	.85	-.161	.369	.530	.845	.624		.85	-.259	.315	.574	.884
	.90	-.152	.397	.549	.841	.612		.90	-.133	.354	.486	.833
	.95	-.025	.402	.426	.790	.610		.95	-.021	.361	.381	.788
CHORD 4	.05	-1.069	-.137	.932	1.215	.835	CHORD 9	.05	-1.184	-.089	1.095	1.266
	.12	-1.100	-.297	.804	1.228	.899		.12	-1.127	-.165	.962	1.240
	.20	-1.153	-.378	.775	1.252	.931		.20	-.628	-.238	.390	1.031
	.30	-1.051	-.391	.660	1.207	.936		.30	-.639	-.278	.361	1.035
	.35	-1.005	-.398	.607	1.187	.939		.35	-.606	-.282	.324	1.022
	.45	-.658	-.420	.238	1.043	.948		.45	-.542	-.287	.255	.996
	.50		-.402			.940		.50	-.519	-.281	.239	.987
	.60	-.555	-.130	.425	1.002	.832		.60	-.474	-.106	.368	.969
	.70	-.501	.145	.646	.980	.720		.70	-.466	.125	.592	.966
	.75	-.421	.242	.663	.948	.679		.75	-.334	.224	.557	.913
	.85	-.229	.370	.599	.872	.624		.85	-.202	.294	.496	.861
	.90	-.129	.415	.544	.832	.604		.90	-.091	.344	.436	.817
	.95	-.013	.421	.434	.785	.601		.95	.024			.770
CHORD 5	.01	-.211	.496	.707	.865	.566	BALANCE DATA					
	.03	-1.205	.113	1.318	1.275	.733	MACH = .782	Q = 8.596 KPA	ALPHA = 2.009 DEG			
	.05	-1.109	-.072	1.037	1.232	.809	COEFFICIENT OF LIFT					
	.07	-1.057	-.096	.961	1.210	.819	DRAG					
	.12	-1.163	-.226	.937	1.256	.871	PITCH					
	.20	-1.131	-.256	.875	1.242	.882	ROLL					
	.30	-.989	-.312	.677	1.180	.905	YAW					
	.35	-.936	-.320	.615	1.158	.908	.479					
	.45	-.684	-.342	.342	1.054	.917	.014					
	.50	-.673	-.325	.348	1.049	.910	-2.060					
	.60	-.623	-.101	.522	1.029	.820	-2.411					
	.70	-.513	.148	.661	.985	.719	.071					
	.75	-.423	.231	.655	.949	.684						
	.85	-.226	.326	.552	.871	.643						
	.90	-.099	.360	.458	.820	.628						
	.95	.004	.367	.363	.778	.625						

TABLE 5.- Continued

POINT NUMBER 232 MACH = .780 RN = 4.710\*10E6 H = 34.407 KPA ALPHA = 1.000 DEG CPSTAR = -.551  
 Q = 8.464 KPA GAMMA = 1.133 P = 24.546 KPA DELTA6 = -.695 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.006	.374	.379	.782	.622	CHORD 6	.01	-.294	.269	.563	.897	.668
	.03	-.554			1.001			.03	-.820	-.016	.803	1.109	.786
	.05	-.792	-.137	.655	1.098	.835		.05	-.746	-.158	.588	1.079	.843
	.07	-.841	-.289	.552	1.118	.895		.07	-.857	-.256	.601	1.125	.883
	.12	-.883	-.403	.480	1.135	.941		.12	-.833	-.298	.535	1.115	.899
	.20	-.843	-.514	.328	1.119	.985		.20	-.816	-.287	.529	1.108	.895
	.30	-.768	-.453	.315	1.088	.961		.30	-.684	-.342	.342	1.054	.917
	.35	-.737	-.442	.295	1.075	.956		.35	-.660	-.341	.319	1.044	.916
	.45	-.662	-.460	.202	1.045	.964		.45	-.632	-.350	.282	1.032	.920
	.50	-.601	-.413	.189	1.020	.945		.50	-.604	-.321	.282	1.021	.908
	.60	-.505	-.131	.374	.982	.833		.60	-.548	-.115	.432	.999	.826
	.70	-.357	.115	.473	.923	.733		.70	-.463	.136	.599	.965	.724
	.75	-.283	.207	.490	.893	.694		.75	-.392	.209	.602	.937	.693
	.85		.339			.637		.85	-.236			.875	
	.90		.368			.625		.90	-.120	.327	.448	.828	.643
	.95	-.041	.342	.383	.796	.636		.95	.000	.355	.355	.780	.630
CHORD 2	.05	-.805	-.181	.624	1.103	.853	CHORD 7	.05	-.951	-.250	.701	1.164	.880
	.12	-.964	-.420	.544	1.170	.948		.12	-.684	-.275	.409	1.053	.890
	.20	-.902	-.519	.383	1.143	.987		.20	-.651	-.326	.325	1.040	.910
	.30	-.791	-.465	.326	1.097	.966		.30	-.672	-.341	.331	1.049	.916
	.35	-.740	-.453	.288	1.076	.961		.35	-.651	-.345	.306	1.040	.918
	.45	-.666	-.450	.215	1.046	.960		.45	-.585	-.359	.226	1.014	.923
	.50	-.622	-.405	.217	1.028	.942		.50	-.555	-.329	.226	1.002	.911
	.60	-.517	-.119	.398	.986	.828		.60	-.516	-.121	.395	.986	.829
	.70	-.383	.126	.508	.933	.728		.70	-.430	.115	.545	.951	.733
	.75	-.293	.208	.502	.897	.694		.75	-.324	.189	.514	.910	.702
	.85	-.175	.338	.513	.850	.638		.85	-.213			.865	
	.90	-.106	.384	.490	.823	.618		.90	-.118	.295	.412	.827	.657
	.95	-.034	.382	.416	.794	.618		.95	-.012			.785	
CHORD 3	.05	-.807	-.172	.635	1.104	.849	CHORD 8	.05	-.826	-.185	.641	1.112	.854
	.12	-1.007	-.378	.629	1.188	.931		.12	-.693	-.271	.422	1.057	.888
	.20	-.926	-.531	.395	1.153	.992		.20	-.714	-.351	.363	1.066	.920
	.30	-.767	-.463	.304	1.088	.965		.30	-.654	-.350	.303	1.041	.920
	.35	-.742	-.462	.281	1.077	.964		.35	-.627	-.338	.289	1.030	.915
	.45	-.669	-.461	.208	1.047	.964		.45	-.575	-.342	.232	1.009	.917
	.50	-.638	-.406	.232	1.035	.942		.50	-.560	-.324	.236	1.004	.909
	.60	-.524	-.118	.406	.989	.827		.60	-.495	-.127	.368	.978	.831
	.70	-.394	.135	.529	.937	.724		.70	-.393	.096	.489	.937	.741
	.75	-.309	.221	.529	.903	.688		.75	-.313	.184	.497	.905	.704
	.85	-.172	.366	.537	.849	.626		.85	-.254	.280	.534	.882	.663
	.90	-.156	.393	.550	.843	.613		.90	-.129	.315	.444	.832	.648
	.95	-.028	.397	.425	.791	.612		.95	-.015	.332	.346	.786	.641
CHORD 4	.05	-.842	-.255	.587	1.118	.882	CHORD 9	.05	-.806	-.268	.538	1.103	.887
	.12	-.962	-.403	.559	1.169	.941		.12	-.674	-.282	.392	1.050	.893
	.20	-.883	-.458	.425	1.135	.963		.20	-.570	-.345	.225	1.007	.918
	.30	-.690	-.452	.238	1.056	.960		.30	-.548	-.342	.206	.999	.917
	.35	-.708	-.449	.259	1.063	.959		.35	-.539	-.338	.201	.995	.915
	.45	-.745	-.453	.292	1.078	.961		.45	-.488	-.326	.162	.975	.910
	.50		-.424			.949		.50	-.474	-.316	.158	.969	.906
	.60	-.538	-.137	.401	.995	.835		.60	-.440	-.113	.328	.956	.825
	.70	-.502	.140	.641	.980	.722		.70	-.447	.126	.573	.958	.728
	.75	-.436	.232	.668	.954	.683		.75	-.319	.210	.529	.908	.693
	.85	-.238	.355	.593	.875	.630		.85	-.199	.281	.480	.860	.663
	.90	-.130	.403	.533	.832	.609		.90	-.091	.321	.412	.816	.645
	.95	-.012	.412	.424	.785	.605		.95	.029			.768	
CHORD 5	.01	-.066	.382	.448	.806	.619							
	.03	-1.019	-.025	.994	1.193	.790							
	.05	-.874	-.218	.656	1.132	.867							
	.07	-.871	-.234	.637	1.131	.874							
	.12	-.828	-.351	.477	1.113	.920							
	.20	-.891	-.355	.537	1.139	.922							
	.30	-.776	-.386	.390	1.091	.934							
	.35	-.699	-.386	.312	1.059	.934							
	.45	-.714	-.390	.324	1.066	.935							
	.50	-.697	-.363	.335	1.059	.925							
	.60	-.601	-.120	.480	1.020	.828							
	.70	-.499	.131	.630	.979	.726							
	.75	-.420	.207	.627	.948	.694							
	.85	-.228	.290	.518	.871	.659							
	.90	-.100	.327	.427	.820	.643							
	.95	.008	.346	.338	.777	.634							

BALANCE DATA

MACH = .781 Q = 8.575 KPA ALPHA = 1.004 DEG

Coefficient of Lift	.344
URAG	.010
PITCH	-1.647
ROLL	-1.713
YAW	.052



TABLE 5.- Continued

POINT NUMBER 232		MACH = .780		RN = 4.710*10E6		H = 34.407 KPA		ALPHA = 1.000 DEG		CPSTAR = .551						
		Q = 8.464 KPA		GAMMA = 1.133		P = 24.546 KPA		DELTA6 = .695 DEG								
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML			
CHORD 1	.01	.225	.170	-.055	.687	.710	CHORD 6	.01	.180	-.207	-.387	.706	.863			
	.03	-.285			.894			.03	-.238	-.454	-.215	.875	.961			
	.05	-.507	-.368	.139	.982	.927		.05	-.282	-.543	-.261	.893	.997			
	.07	-.592	-.516	.075	1.016	.986		.07	-.398	-.698	-.300	.939	1.059			
	.12	-.638	-.607	.031	1.035	1.023		.12	-.444	-.589	-.145	.957	1.015			
	.20	-.638	-.707	-.069	1.035	1.063		.20	-.450	-.510	-.060	.960	.984			
	.30	-.596	-.584	.012	1.018	1.013		.30	-.459	-.517	-.059	.963	.986			
	.35	-.595	-.557	.038	1.018	1.002		.35	-.467	-.516	-.049	.966	.986			
	.45	-.563	-.553	.010	1.005	1.001		.45	-.472	-.460	.012	.968	.963			
	.50	-.530	-.481	.048	.991	.972		.50	-.470	-.400	.069	.967	.940			
	.60	-.451	-.163	.288	.960	.845		.60	-.458	-.138	.320	.963	.835			
	.70	-.327	.086	.414	.911	.744		.70	-.442	.091	.503	.944	.743			
	.75	-.260	.177	.437	.884	.707		.75	-.358	.148	.506	.923	.719			
	.85		.312			.649		.85	-.225			.870				
	.90		.347			.634		.90	-.114	.236	.349	.826	.682			
	.95	-.036	.332	.368	.794	.641		.95	.022	.294	.272	.771	.657			
CHORD 2	.05	-.516	-.430	.086	.986	.952	CHORD 7	.05	-.355	-.753	-.398	.922	1.082			
	.12	-.641	-.638	.003	1.036	1.035		.12	-.402	-.629	-.227	.941	1.031			
	.20	-.659	-.738	-.079	1.043	1.075		.20	-.407	-.590	-.182	.943	1.016			
	.30	-.619	-.606	.013	1.027	1.022		.30	-.454	-.534	-.080	.961	.993			
	.35	-.610	-.577	.033	1.024	1.010		.35	-.462	-.509	-.048	.964	.983			
	.45	-.580	-.550	.030	1.011	.999		.45	-.444	-.473	-.028	.957	.969			
	.50	-.542	-.475	.067	.996	.969		.50	-.438	-.411	.027	.955	.944			
	.60	-.466	-.149	.317	.966	.840		.60	-.436	-.142	.294	.954	.837			
	.70	-.355	.098	.453	.922	.740		.70	-.382	.082	.464	.932	.746			
	.75	-.272	.185	.457	.889	.703		.75	-.294	.127	.422	.898	.728			
	.85	-.163	.318	.482	.845	.646		.85	-.198			.860				
	.90	-.098	.360	.458	.819	.628		.90	-.101	.206	.307	.821	.695			
	.95	-.030	.360	.390	.792	.628		.95	.011			.775				
	CHORD 3	.05	-.492	-.423	.069	.976		.949	CHORD 8	.05	-.318	-.665	-.346	.907	1.046	
		.12	-.672	-.610	.063	1.049		1.024		.12	-.353	-.558	-.205	.921	1.003	
		.20	-.648	-.724	-.076	1.039		1.070		.20	-.429	-.598	-.169	.951	1.019	
.30		-.618	-.611	.007	1.027	1.024	.30	-.427		-.536	-.109	.950	.994			
.35		-.609	-.588	.021	1.023	1.015	.35	-.428		-.495	-.066	.951	.977			
.45		-.578	-.553	.025	1.011	1.001	.45	-.432		-.450	-.018	.952	.960			
.50		-.548	-.479	.070	.999	.971	.50	-.440		-.401	.039	.956	.940			
.60		-.472	-.151	.321	.968	.840	.60	-.412		-.142	.270	.945	.837			
.70		-.364	.103	.467	.925	.738	.70	-.347		.076	.423	.919	.749			
.75		-.287	.186	.473	.895	.703	.75	-.278		.128	.406	.891	.727			
.85		-.155	.330	.485	.842	.641	.85	-.238		.187	.425	.875	.703			
.90		-.151	.365	.516	.841	.626	.90	-.111		.215	.326	.825	.691			
.95		-.018	.377	.395	.787	.621	.95	.013		.252	.239	.775	.675			
CHORD 4		.05	-.453	-.591	-.139	.961	1.016	CHORD 9		.05	-.298	-.789	-.491	.899	1.096	
		.12	-.660	-.688	-.028	1.044	1.055			.12	-.314	-.580	-.266	.906	1.012	
		.20	-.592	-.675	-.083	1.016	1.050			.20	-.320	-.595	-.275	.908	1.018	
	.30	-.603	-.615	-.012	1.021	1.025	.30		-.364	-.504	-.140	.925	.981			
	.35	-.601	-.593	.008	1.020	1.017	.35		-.380	-.473	-.092	.932	.969			
	.45	-.586	-.563	.023	1.014	1.005	.45		-.377	-.408	-.031	.931	.943			
	.50		-.503			.981	.50		-.379	-.365	.014	.931	.926			
	.60	-.482	-.164	.318	.973	.846	.60		-.375	-.129	.246	.930	.832			
	.70	-.467	.113	.580	.966	.733	.70		-.411	.100	.511	.944	.739			
	.75	-.413	.196	.609	.945	.699	.75		-.289	.171	.460	.896	.709			
	.85	-.228	.310	.538	.871	.650	.85		-.185	.226	.411	.854	.686			
	.90	-.124	.366	.490	.830	.626	.90		-.084	.265	.348	.814	.670			
	.95	-.003	.391	.395	.781	.614	.95		.047			.761				
	CHORD 5	.01	.279	.066	-.213	.664	.753									
		.03	-.334	-.405	-.070	.914	.942									
		.05	-.436	-.643	-.207	.954	1.037									
.07		-.372	-.613	-.241	.929	1.025										
.12		-.585	-.666	-.081	1.014	1.046										
.20		-.515	-.597	-.082	.985	1.018										
.30		-.537	-.567	-.030	.994	1.006										
.35		-.548	-.540	.008	.999	.995										
.45		-.561	-.499	.062	1.004	.979										
.50		-.547	-.441	.105	.998	.956										
.60		-.517	-.139	.379	.986	.836										
.70		-.463	.097	.560	.965	.740										
.75		-.400	.149	.549	.940	.719										
.85		-.228	.207	.435	.871	.694										
.90		-.095	.247	.342	.818	.677										
.95		.030	.296	.265	.767	.656										



TABLE 5.- Continued

POINT NUMBER 232		MACH = .780 Q = 8.464 KPA		RN = 4.710*10E6 GAMMA = 1.133		H = 34.407 KPA P = 24.546 KPA		ALPHA = -3.000 DEG DELTA6 = -.695 DEG		CPSTAR = -.551					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.430	-.055	-.486	.597	.802	CHORD 6	.01	.506	-.722	-1.227	.562	1.069		
	.03	-.027			.791			.03	.149	-.958	-1.107	.719	1.167		
	.05	-.235	-.641	-.406	.874	1.036		.05	.052	-1.240	-1.293	.758	1.291		
	.07	-.332	-.776	-.444	.913	1.091		.07	-.072	-1.285	-1.213	.809	1.312		
	.12	-.409	-.791	-.382	.943	1.097		.12	-.169	-1.198	-1.030	.848	1.272		
	.20	-.454	-.873	-.420	.961	1.131		.20	-.225	-1.166	-.941	.870	1.258		
	.30	-.452	-.784	-.332	.961	1.095		.30	-.276	-.615	-.340	.890	1.026		
	.35	-.466	-.664	-.198	.966	1.045		.35	-.303	-.598	-.294	.901	1.019		
	.45	-.460	-.635	-.174	.964	1.034		.45	-.332	-.516	-.184	.913	.986		
	.50	-.441	-.531	-.090	.956	.992		.50	-.343	-.438	-.095	.917	.955		
	.60	-.392	-.183	.209	.936	.853		.60	-.369	-.149	.220	.927	.840		
	.70	-.287	.059	.346	.895	.756		.70	-.351	.063	.414	.920	.754		
	.75	-.228	.149	.377	.871	.719		.75	-.314	.098	.411	.905	.740		
	.85		.286			.660		.85	-.211			.864			
	.90		.326			.643		.90	-.114	.184	.298	.826	.704		
.95	-.028	.319	.348	.791	.646	.95	.025	.249	.224	.770	.677				
CHORD 2	.05	-.236	-.732	-.497	.874	1.073	CHORD 7	.05	-.004	-1.282	-1.278	.781	1.310		
	.12	-.410	-.876	-.467	.944	1.133		.12	-.130	-1.314	-1.184	.832	1.326		
	.20	-.463	-.943	-.480	.965	1.161		.20	-.194	-1.269	-1.075	.858	1.305		
	.30	-.472	-.745	-.273	.968	1.078		.30	-.271	-.623	-.352	.888	1.029		
	.35	-.471	-.710	-.238	.968	1.064		.35	-.297	-.581	-.284	.899	1.012		
	.45	-.469	-.619	-.150	.967	1.027		.45	-.309	-.522	-.212	.904	.988		
	.50	-.446	-.515	-.069	.958	.985		.50	-.318	-.443	-.125	.907	.957		
	.60	-.398	-.169	.230	.939	.848		.60	-.343	-.155	.188	.917	.842		
	.70	-.312	.070	.382	.904	.751		.70	-.323	.063	.386	.909	.754		
	.75	-.236	.155	.392	.875	.716		.75	-.247	.104	.352	.879	.737		
	.85	-.143	.277	.421	.838	.664		.85	-.188			.855			
	.90	-.082	.335	.417	.813	.639		.90	-.098	.177	.275	.819	.707		
	.95	-.020	.336	.356	.788	.639		.95	.015			.774			
	CHORD 3	.05	-.219	-.707	-.488	.868		1.063	CHORD 8	.05	.019	-1.270	-1.289	.772	1.305
		.12	-.404	-.841	-.437	.941		1.118		.12	-.108	-1.276	-1.168	.823	1.308
.20		-.445	-.998	-.553	.958	1.184	.20	-.211		-1.290	-1.079	.864	1.314		
.30		-.461	-.821	-.360	.964	1.110	.30	-.249		-.589	-.339	.880	1.015		
.35		-.467	-.686	-.219	.966	1.054	.35	-.266		-.552	-.286	.887	1.000		
.45		-.465	-.614	-.150	.965	1.025	.45	-.300		-.495	-.195	.900	.978		
.50		-.449	-.514	-.065	.959	.985	.50	-.325		-.429	-.105	.910	.951		
.60		-.400	-.163	.237	.940	.845	.60	-.329		-.148	.181	.911	.839		
.70		-.317	.076	.393	.907	.749	.70	-.294		.051	.345	.897	.759		
.75		-.251	.154	.405	.880	.716	.75	-.241		.100	.342	.877	.739		
.85		-.136	.291	.427	.834	.658	.85	-.228		.162	.390	.871	.713		
.90		-.141	.333	.474	.837	.640	.90	-.109		.193	.302	.824	.700		
.95		-.003	.355	.358	.781	.631	.95	.016		.231	.216	.773	.684		
CHORD 4		.05	-.167	-1.024	-.857	.847	1.195	CHORD 9		.05	.026	-1.458	-1.484	.769	1.395
		.12	-.353	-.990	-.637	.921	1.181			.12	-.076	-1.332	-1.256	.810	1.334
	.20	-.392	-1.010	-.617	.937	1.189	.20		-.139	-1.315	-1.176	.836	1.326		
	.30	-.433	-.909	-.476	.953	1.147	.30		-.211	-.506	-.295	.864	.982		
	.35	-.442	-.647	-.205	.957	1.039	.35		-.241	-.473	-.232	.877	.969		
	.45	-.456	-.631	-.175	.962	1.032	.45		-.268	-.409	-.141	.887	.943		
	.50		-.545			.997	.50		-.283	-.361	-.078	.893	.924		
	.60	-.401	-.173	.229	.940	.849	.60		-.312	-.134	.178	.905	.834		
	.70	-.409	.085	.494	.943	.745	.70		-.372	.103	.475	.928	.738		
	.75	-.371	.159	.530	.928	.714	.75		-.260	.171	.432	.884	.709		
	.85	-.209	.264	.474	.864	.670	.85		-.181	.229	.411	.853	.685		
	.90	-.112	.321	.433	.825	.645	.90		-.095	.265	.360	.818	.670		
	.95	.007	.357	.349	.777	.630	.95		.043			.762			
	CHORD 5	.01	.549	-.222	-.771	.541	.869		CHORD 10	.01	.549	-.222	-.771	.541	.869
		.03	.060	-1.054	-1.114	.755	1.208			.03	.060	-1.054	-1.114	.755	1.208
.05		-.095	-1.194	-1.098	.818	1.270	.05	-.095		-1.194	-1.098	.818	1.270		
.07		-.083	-1.257	-1.174	.813	1.299	.07	-.083		-1.257	-1.174	.813	1.299		
.12		-.292	-1.262	-.969	.897	1.301	.12	-.292		-1.262	-.969	.897	1.301		
.20		-.296	-1.108	-.812	.898	1.232	.20	-.296		-1.108	-.812	.898	1.232		
.30		-.354	-.690	-.336	.921	1.056	.30	-.354		-.690	-.336	.921	1.056		
.35		-.381	-.636	-.256	.932	1.034	.35	-.381		-.636	-.256	.932	1.034		
.45		-.420	-.566	-.146	.948	1.006	.45	-.420		-.566	-.146	.948	1.006		
.50		-.423	-.479	-.056	.949	.971	.50	-.423		-.479	-.056	.949	.971		
.60		-.427	-.138	.289	.950	.835	.60	-.427		-.138	.289	.950	.835		
.70		-.405	.059	.464	.942	.756	.70	-.405		.059	.464	.942	.756		
.75		-.363	.095	.457	.925	.741	.75	-.363		.095	.457	.925	.741		
.85		-.217	.137	.353	.867	.724	.85	-.217		.137	.353	.867	.724		
.90		-.090	.171	.260	.816	.709	.90	-.090		.171	.260	.816	.709		
.95	.043	.229	.187	.762	.685	.95	.043	.229	.187	.762	.685				



TABLE 5.- Continued

POINT NUMBER 234 MACH = .750 RN = 4.718\*10E6 H = 35.224 KPA ALPHA = .001 DEG CPSTAR = -.661  
 Q = 8.206 KPA GAMMA = 1.133 P = 25.776 KPA DELTA6 = -.680 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.077	.266	.189	.719	.643	CHORD 6	.01	-.069	.036	.105	.776	.735
	.03	-.460			.924			.03	-.511	-.215	.296	.943	.832
	.05	-.678	-.262	.416	1.007	.850		.05	-.502	-.336	.166	.940	.878
	.07	-.749	-.399	.350	1.034	.901		.07	-.601	-.423	.178	.977	.910
	.12	-.755	-.492	.263	1.036	.936		.12	-.594	-.419	.175	.975	.909
	.20	-.710	-.574	.136	1.019	.967		.20	-.554	-.371	.183	.960	.891
	.30	-.637	-.492	.144	.991	.937		.30	-.536	-.393	.142	.953	.899
	.35	-.624	-.473	.151	.986	.929		.35	-.531	-.408	.123	.951	.905
	.45	-.571	-.476	.095	.966	.930		.45	-.516	-.383	.134	.946	.895
	.50	-.528	-.428	.099	.950	.912		.50	-.506	-.348	.159	.942	.882
	.60	-.450	-.152	.298	.920	.808		.60	-.481	-.136	.345	.932	.802
	.70	-.325	.094	.418	.873	.713		.70	-.430	.119	.549	.913	.703
	.75	-.259	.187	.446	.849	.675		.75	-.375	.188	.563	.892	.675
	.85		.320		.621			.85	-.246			.844	
	.90		.349		.608			.90	-.139	.303	.442	.803	.628
	.95	-.044	.326	.370	.766	.618		.95	-.005	.338	.343	.751	.613
CHORD 2	.05	-.692	-.310	.382	1.012	.868	CHORD 7	.05	-.581	-.458	.123	.970	.924
	.12	-.758	-.516	.242	1.037	.945		.12	-.550	-.413	.137	.958	.907
	.20	-.728	-.586	.141	1.026	.972		.20	-.513	-.425	.088	.944	.911
	.30	-.659	-.510	.150	1.000	.943		.30	-.528	-.411	.117	.950	.906
	.35	-.636	-.489	.147	.991	.935		.35	-.525	-.404	.121	.949	.903
	.45	-.590	-.480	.110	.973	.932		.45	-.489	-.399	.091	.935	.901
	.50	-.547	-.431	.116	.957	.913		.50	-.476	-.361	.114	.930	.887
	.60	-.463	-.143	.320	.925	.804		.60	-.463	-.140	.323	.926	.803
	.70	-.352	.102	.454	.884	.709		.70	-.402	.099	.501	.903	.711
	.75	-.268	.189	.458	.852	.674		.75	-.313	.168	.481	.869	.683
	.85	-.160	.311	.471	.811	.624		.85	-.219			.834	
	.90	-.101	.361	.462	.788	.603		.90	-.128	.265	.393	.799	.643
	.95	-.039	.359	.398	.764	.604		.95	-.016			.756	
CHORD 3	.05	-.670	-.292	.379	1.004	.861	CHORD 8	.05	-.547	-.379	.168	.957	.894
	.12	-.785	-.481	.305	1.048	.932		.12	-.501	-.399	.102	.940	.901
	.20	-.721	-.604	.118	1.023	.978		.20	-.530	-.449	.082	.951	.920
	.30	-.657	-.512	.145	.999	.944		.30	-.503	-.417	.087	.940	.908
	.35	-.633	-.494	.139	.990	.937		.35	-.491	-.392	.099	.936	.899
	.45	-.588	-.480	.108	.973	.932		.45	-.478	-.381	.097	.931	.895
	.50	-.551	-.432	.119	.959	.914		.50	-.484	-.356	.128	.933	.885
	.60	-.471	-.144	.327	.928	.805		.60	-.439	-.146	.293	.916	.806
	.70	-.365	.113	.477	.888	.705		.70	-.368	.083	.451	.889	.717
	.75	-.288	.198	.486	.860	.671		.75	-.299	.165	.465	.864	.684
	.85	-.161	.342	.503	.811	.611		.85	-.259	.249	.508	.848	.650
	.90	-.157	.368	.525	.810	.600		.90	-.134	.281	.415	.801	.637
	.95	-.029	.374	.403	.761	.597		.95	-.013	.305	.319	.755	.627
CHORD 4	.05	-.673	-.405	.268	1.005	.904	CHORD 9	.05	-.520	-.464	.056	.947	.926
	.12	-.787	-.503	.284	1.048	.940		.12	-.453	-.418	.036	.922	.908
	.20	-.675	-.532	.144	1.006	.951		.20	-.413	-.435	-.022	.907	.915
	.30	-.651	-.506	.145	.996	.942		.30	-.432	-.406	.026	.914	.904
	.35	-.632	-.493	.139	.989	.937		.35	-.438	-.386	.051	.916	.897
	.45	-.602	-.491	.110	.978	.936		.45	-.415	-.355	.060	.907	.885
	.50		-.461		.925			.50	-.409	-.331	.079	.905	.876
	.60	-.479	-.174	.305	.931	.816		.60	-.399	-.128	.270	.901	.799
	.70	-.450	.107	.557	.921	.707		.70	-.427	.113	.540	.912	.705
	.75	-.388	.204	.592	.897	.668		.75	-.307	.193	.500	.867	.673
	.85	-.224	.330	.554	.835	.616		.85	-.203	.262	.466	.827	.644
	.90	-.136	.379	.515	.802	.595		.90	-.105	.298	.402	.790	.630
	.95	-.023	.391	.414	.758	.590		.95	.026			.739	
CHORD 5	.01	.084	.224	.140	.717	.660	BALANCE DATA						
	.03	-.591	-.210	.381	.974	.830	MACH = .752 Q = 8.290 KPA ALPHA = .000 DEG						
	.05	-.651	-.395	.256	.996	.900	COEFFICIENT OF LIFT .244						
	.07	-.551	-.383	.168	.959	.895	DRAG .007						
	.12	-.729	-.470	.259	1.026	.928	PITCH =-1.340						
	.20	-.604	-.436	.168	.979	.915	ROLL =-1.163						
	.30	-.594	-.443	.151	.975	.918	YAW .049						
	.35	-.592	-.433	.159	.974	.914							
	.45	-.586	-.422	.164	.972	.910							
	.50	-.568	-.388	.180	.965	.897							
	.60	-.533	-.135	.398	.952	.801							
	.70	-.480	.118	.598	.932	.703							
	.75	-.420	.190	.611	.909	.674							
	.85	-.253	.269	.522	.846	.642							
	.90	-.120	.305	.425	.796	.627							
	.95	.006	.332	.326	.747	.615							

TABLE 5.- Continued

POINT NUMBER 235		MACH = .753		RN = 4.726*10E6		H = 35.254 KPA		ALPHA = 2.751 DEG		CPSTAR = -.648						
		Q = 8.262 KPA		GAMMA = 1.133		P = 25.730 KPA		DELTA6 = -.694 DEG								
	x/C	CPU	CPL	DCP	MU	ML		x/C	CPU	CPL	DCP	MU	ML			
CHORD 1	.01	-.267	.512	.779	.855	.538	CHORD 6	.01	-.792	.554	1.347	1.055	.519			
	.03	-.864			1.083			.03	-1.272	.280	1.552	1.248	.640			
	.05	-1.173	.029	1.202	1.207	.741		.05	-1.378	.115	1.493	1.294	.707			
	.07	-1.124	-.113	1.011	1.187	.796		.07	-1.426	.011	1.437	1.315	.748			
	.12	-1.224	-.240	.984	1.228	.845		.12	-1.452	-.090	1.363	1.327	.787			
	.20	-1.071	-.354	.717	1.165	.888		.20	-1.264	-.113	1.151	1.245	.797			
	.30	-.861	-.339	.522	1.082	.883		.30	-.726	-.193	.533	1.030	.827			
	.35	-.787	-.337	.449	1.053	.882		.35	-.712	-.216	.497	1.024	.836			
	.45	-.681	-.365	.316	1.013	.893		.45	-.676	-.227	.450	1.011	.840			
	.50	-.615	-.337	.278	.987	.882		.50	-.645	-.225	.419	.999	.839			
	.60	-.505	-.101	.403	.945	.792		.60	-.578	-.073	.505	.973	.781			
	.70	-.357	.128	.486	.890	.702		.70	-.485	.159	.644	.938	.690			
	.75	-.282	.217	.499	.861	.666		.75	-.410	.238	.648	.909	.657			
	.85		.344			.613			.85	-.250			.849			
	.90					.602			.90	-.135	.381	.516	.805	.597		
	.95	-.046	.339	.385	.771	.615		.95	-.020	.386	.406	.760	.595			
CHORD 2	.05	-1.178	-.000	1.178	1.209	.753	CHORD 7	.05	-1.455	.048	1.503	1.328	.734			
	.12	-1.315	-.251	1.064	1.267	.849		.12	-1.349	-.054	1.295	1.281	.774			
	.20	-1.131	-.361	.771	1.190	.891		.20	-.976	-.141	.836	1.127	.807			
	.30	-.860	-.345	.515	1.082	.885		.30	-.728	-.189	.539	1.031	.826			
	.35	-.782	-.343	.439	1.051	.884		.35	-.712	-.209	.504	1.024	.833			
	.45	-.693	-.363	.330	1.017	.892		.45	-.640	-.247	.393	.997	.848			
	.50	-.636	-.336	.300	.995	.881		.50	-.606	-.236	.370	.984	.844			
	.60	-.523	-.092	.431	.952	.788		.60	-.551	-.081	.470	.963	.784			
	.70	-.387	.138	.525	.901	.698		.70	-.455	.135	.590	.926	.699			
	.75	-.297	.230	.527	.867	.661		.75	-.344	.219	.563	.884	.665			
	.85	-.175	.359	.535	.820	.606		.85	-.235			.843				
	.90	-.109	.390	.499	.795	.593		.90	-.144	.347	.490	.808	.612			
	.95	-.041	.374	.415	.769	.600		.95	-.037			.767				
	CHORD 3	.05	-1.194	.012	1.206	1.216		.748	CHORD 8	.05	-1.314	.095	1.408	1.266	.715	
		.12	-1.320	-.211	1.109	1.269		.834		.12	-1.365	-.068	1.297	1.288	.779	
		.20	-1.117	-.361	.756	1.184		.891		.20	-.962	-.167	.795	1.122	.817	
.30		-.833	-.340	.493	1.071	.883	.30	-.704		-.200	.504	1.021	.830			
.35		-.762	-.343	.419	1.044	.884	.35	-.688		-.203	.485	1.015	.831			
.45		-.691	-.361	.330	1.016	.891	.45	-.634		-.231	.403	.994	.841			
.50		-.644	-.335	.308	.998	.881	.50	-.614		-.234	.380	.987	.843			
.60		-.528	-.097	.431	.954	.790	.60	-.535		-.087	.448	.957	.786			
.70		-.390	.142	.532	.902	.696	.70	-.421		.113	.534	.914	.708			
.75		-.301	.226	.527	.868	.662	.75	-.339		.214	.553	.883	.667			
.85		-.165	.368	.533	.816	.602	.85	-.272		.333	.605	.857	.618			
.90		-.160	.392	.552	.814	.592	.90	-.146		.369	.515	.809	.602			
.95		-.034	.392	.426	.766	.592	.95	-.034		.369	.403	.766	.602			
CHORD 4		.05	-1.278	-.023	1.255	1.251	.761	CHORD 9		.05	-1.440	.037	1.476	1.321	.738	
		.12	-1.307	-.192	1.115	1.263	.827			.12	-1.330	-.076	1.254	1.273	.782	
		.20	-1.246	-.280	.965	1.237	.860			.20	-.625	-.173	.452	.991	.820	
	.30	-.735	-.304	.431	1.033	.869	.30		-.626	-.207	.419	.991	.832			
	.35	-.712	-.320	.392	1.024	.875	.35		-.609	-.219	.389	.985	.837			
	.45	-.727	-.350	.377	1.030	.887	.45		-.544	-.236	.309	.960	.843			
	.50		-.344			.884	.50		-.521	-.235	.286	.952	.843			
	.60	-.557	-.112	.444	.965	.796	.60		-.474	-.088	.386	.934	.787			
	.70	-.499	.150	.649	.943	.693	.70		-.467	.130	.597	.931	.701			
	.75	-.424	.249	.673	.915	.653	.75		-.340	.224	.564	.883	.663			
	.85	-.242	.380	.622	.846	.598	.85		-.212	.309	.521	.834	.628			
	.90	-.141	.421	.562	.807	.579	.90		-.106	.347	.453	.794	.612			
	.95	-.026	.419	.445	.763	.580	.95		.010			.749				
	CHORD 5	.01	-.388	.583	.971	.901	.505									
		.03	-1.394	.233	1.627	1.301	.659									
		.05	-1.362	.046	1.409	1.287	.734									
.07		-1.307	.014	1.322	1.263	.747										
.12		-1.396	-.134	1.262	1.302	.804										
.20		-1.291	-.175	1.116	1.256	.820										
.30		-.765	-.225	.540	1.045	.839										
.35		-.747	-.247	.500	1.038	.847										
.45		-.732	-.275	.458	1.032	.858										
.50		-.692	-.265	.427	1.017	.854										
.60		-.619	-.079	.540	.989	.783										
.70		-.519	.153	.672	.951	.692										
.75		-.441	.242	.683	.921	.656										
.85		-.243	.349	.593	.846	.611										
.90		-.116	.379	.495	.798	.598										
.95		-.010	.374	.384	.756	.600										

TABLE 5.- Continued

POINT NUMBER 237 MACH = .701 RN = 4.718\*10E6 H = 36.510 KPA ALPHA = .000 DEG CPSTAR = -.862  
 Q = 7.733 KPA GAMMA = 1.133 P = 27.763 KPA DELTA6 = -.679 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.024	.255	.231	.692	.606	CHORD 6	.01	-.117	.059	.176	.743	.680		
	.03	-.508			.879			.03	-.534	-.198	.336	.888	.772		
	.05	.698	.261	.437	.944	.794		.05	-.508	-.304	.204	.879	.808		
	.07	-.748	-.386	.362	.961	.837		.07	-.590	-.376	.214	.907	.833		
	.12	-.728	-.469	.259	.954	.865		.12	-.570	-.377	.193	.900	.834		
	.20	-.673	.524	.150	.935	.884		.20	-.523	-.329	.194	.884	.817		
	.30	-.600	-.449	.151	.910	.859		.30	-.500	-.338	.162	.876	.820		
	.35	-.582	-.429	.153	.904	.852		.35	-.496	-.366	.130	.874	.830		
	.45	-.527	-.429	.098	.885	.852		.45	-.480	-.345	.135	.869	.823		
	.50	-.492	-.388	.103	.873	.838		.50	-.472	-.317	.155	.866	.813		
	.60	-.424	-.141	.284	.850	.751		.60	-.451	-.129	.322	.859	.747		
	.70	-.310	.095	.405	.811	.666		.70	-.413	.119	.532	.846	.657		
	.75	-.249	.184	.433	.789	.633		.75	-.369	.197	.565	.831	.628		
	.85		.312			.583		.85	-.257			.792			
	.90		.338			.573		.90	-.158	.318	.476	.758	.581		
.95	-.050	.314	.364	.719	.582	.95	-.024	.344	.368	.710	.571				
CHORD 2	.05	-.708	-.305	.402	.947	.809	CHORD 7	.05	-.565	-.420	.146	.898	.848		
	.12	-.729	-.487	.242	.954	.871		.12	-.521	-.371	.149	.889	.832		
	.20	-.684	-.539	.145	.939	.889		.20	-.484	-.381	.103	.870	.835		
	.30	-.618	-.469	.149	.916	.865		.30	-.492	-.370	.122	.873	.831		
	.35	-.591	-.447	.144	.907	.858		.35	-.489	-.366	.123	.872	.830		
	.45	-.545	-.435	.110	.891	.854		.45	-.455	-.365	.091	.861	.829		
	.50	-.508	-.395	.113	.879	.840		.50	-.445	-.333	.112	.857	.819		
	.60	-.434	-.139	.295	.853	.751		.60	-.435	-.137	.297	.854	.750		
	.70	-.333	.098	.431	.819	.665		.70	-.386	.099	.484	.837	.665		
	.75	-.257	.189	.446	.792	.631		.75	-.303	.176	.479	.808	.636		
	.85	-.160	.306	.467	.758	.586		.85	-.231			.783			
	.90	-.104	.353	.457	.738	.567		.90	-.144	.282	.426	.752	.595		
	.95	-.047	.351	.398	.718	.568		.95	-.033			.713			
	CHORD 3	.05	-.689	-.293	.396	.941		.805	CHORD 8	.05	-.539	-.344	.195	.889	.822
		.12	-.734	-.453	.281	.956		.860		.12	-.476	-.366	.110	.868	.830
.20		-.678	-.551	.127	.937	.893	.20	-.502		-.405	.097	.877	.843		
.30		-.613	-.467	.146	.915	.865	.30	-.464		-.376	.088	.864	.833		
.35		-.592	-.450	.142	.908	.859	.35	-.458		-.356	.102	.862	.827		
.45		-.546	-.437	.109	.892	.854	.45	-.446		-.349	.098	.858	.824		
.50		-.512	-.400	.112	.880	.842	.50	-.451		-.328	.124	.859	.817		
.60		-.437	-.145	.292	.854	.753	.60	-.411		-.143	.267	.845	.752		
.70		-.338	.102	.440	.820	.664	.70	-.354		.078	.433	.826	.672		
.75		-.265	.188	.454	.795	.631	.75	-.296		.169	.464	.806	.639		
.85		-.147	.329	.477	.754	.576	.85	-.264		.264	.528	.795	.602		
.90		-.166	.358	.524	.760	.565	.90	-.146		.299	.445	.753	.589		
.95		-.035	.361	.396	.714	.564	.95	-.027		.317	.343	.711	.582		
CHORD 4		.05	-.668	-.375	.293	.934	.833	CHORD 9		.05	-.507	-.439	.068	.878	.855
		.12	-.707	-.456	.251	.947	.861			.12	-.427	-.376	.051	.851	.834
	.20	-.634	-.480	.154	.922	.869	.20		-.390	-.393	-.002	.838	.839		
	.30	-.605	-.457	.148	.912	.861	.30		-.398	-.366	.032	.841	.830		
	.35	-.588	-.448	.140	.906	.858	.35		-.404	-.363	.042	.843	.829		
	.45	-.554	-.445	.109	.895	.857	.45		-.387	-.327	.060	.837	.817		
	.50		-.422			.849	.50		-.382	-.309	.073	.835	.810		
	.60	-.450	-.171	.278	.859	.762	.60		-.372	-.135	.237	.832	.749		
	.70	-.428	.102	.530	.851	.664	.70		-.410	.107	.517	.845	.662		
	.75	-.377	.204	.581	.834	.625	.75		-.298	.196	.493	.806	.628		
	.85	-.230	.335	.565	.783	.574	.85		-.208	.267	.475	.775	.601		
	.90	-.147	.382	.529	.754	.555	.90		-.120	.307	.428	.744	.585		
	.95	-.037	.390	.427	.714	.552	.95		.013			.696			
	CHORD 5	.01	.026	.234	.208	.692	.614		BALANCE DATA						
		.03	-.607	-.185	.422	.913	.767		MACH = .702 Q = 7.802 KPA ALPHA = .000 DEG						
.05		-.657	-.353	.304	.930	.825	COEFFICIENT OF LIFT .243								
.07		-.551	-.335	.216	.893	.819	URAG .006								
.12		-.694	-.416	.279	.942	.847	PITCH -1.310								
.20		-.573	-.384	.189	.901	.836	ROLL -1.156								
.30		-.555	-.390	.164	.895	.838	YAW .049								
.35		-.553	-.384	.169	.894	.836									
.45		-.545	-.378	.167	.891	.834									
.50		-.529	-.352	.177	.886	.825									
.60		-.504	-.131	.372	.877	.748									
.70		-.463	.118	.581	.863	.658									
.75		-.416	.200	.615	.847	.627									
.85		-.270	.287	.557	.797	.593									
.90		-.145	.321	.466	.753	.580									
.95	-.013	.338	.351	.706	.573										

TABLE 5.- Continued

POINT NUMBER 238		MACH = .699		RN = 4.710*10E6		H = 36.505 KPA		ALPHA = 3.082 DEG		CPSTAR = -.871					
		Q = 7.700 KPA		GAMMA = 1.133		P = 27.802 KPA		DELTA6 = -.668 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.443	.553	.996	.854	.481	CHORD 6	.01	-1.076	.608	1.683	1.071	.456		
	.03	-1.061			1.066			.03	-1.571	.338	1.909	1.251	.571		
	.05	-1.325	.080	1.405	1.160	.670		.05	-1.634	.179	1.813	1.276	.633		
	.07	-1.267	-.057	1.210	1.139	.719		.07	-1.636	.070	1.706	1.276	.674		
	.12	-1.169	-.185	.984	1.104	.765		.12	-1.006	-.038	.968	1.047	.713		
	.20	-.933	-.286	.647	1.021	.800		.20	-.886	-.071	.815	1.005	.725		
	.30	-.780	-.274	.506	.969	.796		.30	-.759	-.144	.615	.962	.750		
	.35	-.739	-.279	.460	.955	.797		.35	-.720	-.184	.536	.949	.764		
	.45	-.641	-.306	.335	.922	.807		.45	-.652	-.206	.446	.925	.772		
	.50	-.586	-.281	.306	.903	.798		.50	-.618	-.202	.417	.914	.771		
	.60	-.487	-.072	.415	.869	.725		.60	-.560	-.066	.494	.894	.723		
	.70	-.348	.144	.493	.821	.646		.70	-.473	.154	.626	.864	.642		
	.75	-.280	.232	.512	.798	.613		.75	-.407	.236	.644	.842	.611		
	.85		.354			.565		.85	-.257		.790				
	.90		.374			.557		.90	-.147	.384	.531	.751	.553		
.95	-.054	.341	.395	.718	.570	.95	-.034	.382	.416	.711	.553				
CHORD 2	.05	-1.354	.059	1.413	1.170	.678	CHORD 7	.05	-1.721	.114	1.834	1.309	.657		
	.12	-1.137	-.181	.957	1.093	.763		.12	-.904	-.003	.901	1.011	.700		
	.20	-.951	-.289	.661	1.028	.801		.20	-.818	-.095	.723	.982	.733		
	.30	-.816	-.279	.537	.981	.797		.30	-.748	-.149	.598	.958	.752		
	.35	-.756	-.278	.478	.961	.797		.35	-.707	-.171	.536	.944	.760		
	.45	-.667	-.295	.372	.930	.803		.45	-.620	-.207	.413	.914	.773		
	.50	-.612	-.274	.338	.912	.796		.50	-.586	-.200	.386	.903	.770		
	.60	-.508	-.062	.447	.876	.721		.60	-.532	-.072	.460	.884	.725		
	.70	-.384	.157	.541	.834	.641		.70	-.441	.131	.572	.853	.651		
	.75	-.301	.237	.538	.805	.611		.75	-.344	.214	.558	.820	.620		
	.85	-.185	.358	.542	.765	.563		.85	-.238		.783				
	.90	-.119	.399	.518	.742	.547		.90	-.148	.351	.499	.752	.566		
	.95	-.053	.396	.449	.718	.548		.95	-.043		.715				
	CHORD 3	.05	-1.410	.072	1.481	1.191		.673	CHORD 8	.05	-1.537	.155	1.692	1.238	.642
		.12	-1.245	-.136	1.109	1.131		.747		.12	-.915	-.025	.889	1.015	.708
.20		-.947	-.281	.666	1.026	.798	.20	-.852		-.122	.731	.994	.743		
.30		-.808	-.263	.545	.978	.792	.30	-.730		-.164	.567	.952	.757		
.35		-.758	-.268	.490	.961	.794	.35	-.686		-.172	.513	.937	.760		
.45		-.670	-.291	.379	.931	.802	.45	-.617		-.206	.411	.913	.772		
.50		-.620	-.272	.348	.914	.795	.50	-.595		-.209	.385	.906	.773		
.60		-.517	-.063	.454	.879	.722	.60	-.519		-.080	.439	.885	.728		
.70		-.395	.165	.559	.837	.638	.70	-.415		.107	.521	.844	.660		
.75		-.315	.249	.563	.810	.606	.75	-.342		.209	.551	.819	.622		
.85		-.184	.389	.573	.765	.551	.85	-.274		.334	.608	.796	.573		
.90		-.173	.407	.579	.761	.543	.90	-.154		.370	.524	.754	.558		
.95		-.048	.403	.451	.716	.545	.95	-.047		.365	.412	.716	.560		
CHORD 4		.05	-1.529	.048	1.577	1.235	.682	CHORD 9		.05	-1.551	.093	1.643	1.243	.665
		.12	-1.154	-.134	1.020	1.099	.747			.12	-.875	-.024	.851	1.001	.708
	.20	-.915	-.216	.698	1.015	.776	.20		-.706	-.129	.577	.944	.745		
	.30	-.832	-.249	.583	.987	.787	.30		-.625	-.173	.453	.916	.760		
	.35	-.786	-.260	.526	.971	.791	.35		-.596	-.187	.409	.906	.766		
	.45	-.706	-.286	.420	.944	.800	.45		-.530	-.210	.320	.884	.774		
	.50		-.285			.799	.50		-.507	-.214	.293	.876	.775		
	.60	-.547	-.091	.457	.890	.732	.60		-.463	-.080	.383	.861	.728		
	.70	-.502	.158	.660	.874	.641	.70		-.455	.125	.579	.858	.653		
	.75	-.441	.257	.698	.853	.603	.75		-.337	.220	.557	.818	.618		
	.85	-.260	.386	.646	.791	.552	.85		-.219	.306	.525	.776	.584		
	.90	-.157	.424	.580	.755	.536	.90		-.117	.346	.464	.741	.568		
	.95	-.040	.415	.455	.713	.540	.95		-.002		.700				
	CHORD 5	.01	-.613	.632	1.245	.912	.444								
		.03	-1.688	.296	1.984	1.297	.588								
.05		-1.625	.116	1.740	1.272	.657									
.07		-1.498	.080	1.577	1.223	.670									
.12		-1.063	-.073	.990	1.067	.725									
.20		-.892	-.120	.771	1.007	.742									
.30		-.798	-.184	.614	.975	.764									
.35		-.759	-.196	.563	.962	.768									
.45		-.703	-.227	.477	.943	.779									
.50		-.668	-.224	.444	.931	.778									
.60		-.598	-.069	.529	.907	.724									
.70		-.515	.152	.667	.878	.643									
.75		-.446	.243	.689	.855	.608									
.85		-.263	.357	.620	.792	.564									
.90		-.133	.384	.518	.747	.553									
.95	-.024	.372	.396	.708	.558										



TABLE 5.- Continued

POINT NUMBER 241		MACH = .601	RN = 4.733*10E6		H = 40.012 KPA		ALPHA = 3.418 DEG		CPSTAR = #####						
		Q = 6.680 KPA	GAMMA = 1.133		P = 32.702 KPA		DELTA6 = -.667 DEG								
	X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML			
CHORD 1	.01	-.693	.565	1.258	.799	.405	CHORD 6	.01	-1.455	.667	2.122	1.006	.362		
	.03	-1.227			.944			.03	-1.777	.404	2.181	1.094	.467		
	.05	-1.347	.105	1.452	.976	.568		.05	-1.359	.241	1.600	.980	.523		
	.07	-1.262	-.021	1.241	.953	.607		.07	-1.300	.136	1.436	.964	.558		
	.12	-1.067	-.152	.915	.901	.646		.12	-1.026	.021	1.047	.890	.594		
	.20	-.890	-.245	.645	.853	.674		.20	-.832	-.020	.812	.837	.607		
	.30	-.733	-.235	.498	.810	.670		.30	-.713	-.102	.612	.805	.631		
	.35	-.690	-.236	.453	.798	.671		.35	-.675	-.135	.540	.794	.641		
	.45	-.594	-.262	.331	.772	.678		.45	-.611	-.159	.453	.777	.648		
	.50	-.539	-.244	.296	.757	.673		.50	-.581	-.158	.423	.768	.648		
	.60	-.453	-.069	.384	.733	.621		.60	-.531	-.045	.486	.755	.614		
	.70	-.328	.128	.456	.697	.560		.70	-.459	.153	.612	.734	.552		
	.75	-.268	.211	.478	.680	.533		.75	-.402	.235	.637	.719	.525		
	.85		.324			.495		.85	-.275			.682			
	.90		.342			.489		.90	-.173	.386	.559	.653	.473		
.95	-.058	.307	.365	.618	.501	.95	-.052	.378	.430	.616	.476				
CHORD 2	.05	-1.354	.097	1.451	.978	.570	CHORD 7	.05	-1.403	.176	1.579	.992	.545		
	.12	-1.063	-.144	.919	.900	.644		.12	-.975	.048	1.023	.876	.586		
	.20	-.904	-.236	.668	.857	.671		.20	-.785	-.045	.740	.824	.614		
	.30	-.760	-.234	.526	.818	.670		.30	-.701	-.103	.598	.802	.632		
	.35	-.704	-.235	.469	.802	.671		.35	-.665	-.126	.539	.792	.639		
	.45	-.615	-.260	.355	.778	.678		.45	-.584	-.169	.414	.769	.651		
	.50	-.565	-.245	.319	.764	.674		.50	-.554	-.167	.387	.761	.651		
	.60	-.471	-.065	.406	.738	.620		.60	-.510	-.053	.456	.749	.617		
	.70	-.358	.132	.490	.706	.559		.70	-.431	.132	.563	.727	.559		
	.75	-.281	.220	.500	.684	.530		.75	-.343	.213	.556	.702	.533		
	.85	-.174	.339	.513	.653	.490		.85	-.263			.679			
	.90	-.118	.364	.481	.636	.481		.90	-.176	.354	.530	.653	.485		
	.95	-.061	.362	.423	.619	.482		.95	-.067			.621			
	CHORD 3	.05	-1.337	.108	1.445	.974		.567	CHORD 8	.05	-1.378	.221	1.598	.985	.530
		.12	-1.063	-.099	.964	.900		.631		.12	-.938	.024	.962	.866	.593
.20		-.900	-.234	.667	.856	.670	.20	-.806		-.071	.736	.830	.622		
.30		-.757	-.226	.531	.817	.668	.30	-.679		-.115	.564	.796	.635		
.35		-.709	-.229	.480	.804	.669	.35	-.637		-.125	.512	.784	.638		
.45		-.622	-.252	.370	.780	.676	.45	-.577		-.160	.417	.767	.649		
.50		-.574	-.239	.335	.766	.672	.50	-.559		-.167	.391	.762	.651		
.60		-.476	-.069	.408	.739	.621	.60	-.490		-.058	.432	.743	.618		
.70		-.363	.139	.502	.708	.557	.70	-.405		.109	.514	.719	.566		
.75		-.289	.218	.507	.686	.531	.75	-.343		.210	.553	.702	.534		
.85		-.167	.351	.518	.651	.486	.85	-.285		.337	.623	.685	.490		
.90		-.180	.366	.546	.654	.480	.90	-.168		.371	.538	.651	.479		
.95		-.053	.362	.415	.616	.482	.95	-.056		.361	.417	.618	.482		
CHORD 4		.05	-1.373	.119	1.492	.983	.563	CHORD 9		.05	-1.265	.151	1.416	.954	.553
		.12	-1.098	-.067	1.031	.909	.621			.12	-.850	.021	.870	.842	.594
	.20	-.882	-.163	.720	.851	.649	.20		-.669	-.077	.592	.793	.624		
	.30	-.772	-.198	.574	.821	.660	.30		-.589	-.127	.462	.771	.639		
	.35	-.727	-.212	.515	.809	.664	.35		-.562	-.141	.421	.763	.643		
	.45	-.649	-.238	.411	.787	.671	.45		-.501	-.165	.336	.746	.650		
	.50		-.239			.672	.50		-.481	-.175	.305	.741	.653		
	.60	-.507	-.083	.424	.748	.626	.60		-.442	-.063	.380	.730	.619		
	.70	-.456	.140	.597	.734	.556	.70		-.443	.125	.569	.730	.561		
	.75	-.401	.236	.637	.718	.525	.75		-.332	.218	.550	.699	.531		
	.85	-.255	.367	.622	.676	.480	.85		-.228	.305	.534	.669	.501		
	.90	-.164	.404	.568	.650	.467	.90		-.138	.345	.483	.642	.488		
	.95	-.056	.394	.450	.618	.470	.95		-.018			.606			
	CHORD 5	.01	-.991	.676	1.667	.880	.358								
		.03	-1.972	.367	2.339	1.149	.480								
.05		-1.483	.190	1.673	1.013	.540									
.07		-1.191	.147	1.338	.934	.554									
.12		-1.129	-.009	1.120	.918	.603									
.20		-.857	-.062	.795	.844	.619									
.30		-.748	-.129	.620	.814	.639									
.35		-.712	-.149	.563	.804	.645									
.45		-.652	-.185	.466	.788	.656									
.50		-.615	-.186	.429	.778	.656									
.60		-.562	-.050	.512	.763	.616									
.70		-.493	.151	.645	.744	.553									
.75		-.442	.241	.683	.730	.523									
.85		-.288	.359	.647	.686	.483									
.90		-.163	.385	.548	.649	.473									
.95	-.042	.366	.408	.613	.480										

TABLE 5.- Continued

POINT NUMBER 242		MACH = .400		RN = 4.702*10E6		H = 53.954 KPA		ALPHA = .001 DEG		CPSTAR = #####			
		Q = 4.478 KPA		GAMMA = 1.134		P = 49.294 KPA		DELTA6 = -.630 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.118	.276	.395	.424	.341	CHORD 6	.01	-.214	.071	.285	.442	.386
	.03	-.557			.503			.03	-.526	-.144	.382	.498	.429
	.05	-.686	-.220	.466	.525	.443		.05	-.452	-.241	.211	.485	.447
	.07	-.695	-.250	.444	.526	.449		.07	-.504	-.287	.217	.494	.455
	.12	-.640	-.320	.319	.517	.461		.12	-.482	-.295	.187	.490	.457
	.20	-.574	-.347	.227	.506	.466		.20	-.430	-.249	.181	.481	.448
	.30	-.501	-.288	.212	.493	.456		.30	-.407	-.257	.151	.477	.450
	.35	-.485	-.267	.219	.491	.452		.35	-.403	-.284	.119	.476	.455
	.45	-.436	-.263	.173	.482	.451		.45	-.389	-.270	.120	.474	.452
	.50	-.403	-.243	.160	.476	.447		.50	-.373	-.254	.119	.471	.449
	.60	-.354	-.053	.301	.467	.411		.60	-.369	-.116	.254	.470	.423
	.70	-.264	.146	.409	.451	.370		.70	-.346	.093	.438	.466	.381
	.75	-.222	.228	.450	.443	.352		.75	-.321	.180	.501	.462	.362
	.85		.339			.326		.85	-.249			.448	
	.90		.359			.321		.90	-.183	.324	.507	.436	.330
	.95	-.066	.327	.393	.413	.329		.95	-.077	.315	.392	.416	.332
CHORD 2	.05	-.675	-.214	.462	.523	.442	CHORD 7	.05	-.495	-.312	.183	.492	.460
	.12	-.635	-.322	.314	.516	.462		.12	-.437	-.273	.164	.482	.453
	.20	-.576	-.357	.219	.506	.468		.20	-.390	-.280	.110	.474	.454
	.30	-.515	-.286	.229	.496	.455		.30	-.386	-.276	.110	.473	.453
	.35	-.493	-.273	.220	.492	.453		.35	-.388	-.277	.110	.473	.454
	.45	-.451	-.272	.179	.485	.453		.45	-.368	-.279	.089	.470	.454
	.50	-.422	-.240	.182	.480	.447		.50	-.361	-.258	.103	.469	.450
	.60	-.366	-.059	.308	.470	.412		.60	-.363	-.120	.244	.469	.424
	.70	-.281	.132	.413	.454	.373		.70	-.331	.085	.415	.463	.383
	.75	-.234	.232	.466	.446	.351		.75	-.265	.165	.430	.451	.366
	.85	-.155	.352	.507	.431	.323		.85	-.236			.446	
	.90	-.109	.349	.458	.422	.323		.90	-.169	.298	.467	.433	.336
	.95	-.067	.353	.420	.414	.323		.95	-.074			.415	
CHORD 3	.05	-.658	-.182	.476	.520	.436	CHORD 8	.05	-.481	-.258	.223	.490	.450
	.12	-.616	-.285	.331	.513	.455		.12	-.422	-.293	.129	.480	.456
	.20	-.561	-.348	.213	.504	.466		.20	-.422	-.315	.107	.480	.460
	.30	-.504	-.278	.226	.494	.454		.30	-.378	-.288	.090	.472	.456
	.35	-.484	-.265	.219	.490	.451		.35	-.370	-.273	.097	.470	.453
	.45	-.438	-.256	.182	.482	.450		.45	-.363	-.270	.093	.469	.452
	.50	-.412	-.243	.169	.478	.447		.50	-.363	-.259	.104	.469	.450
	.60	-.357	-.052	.305	.468	.411		.60	-.341	-.123	.218	.465	.425
	.70	-.288	.160	.448	.456	.367		.70	-.306	.062	.369	.459	.387
	.75	-.245	.237	.482	.448	.350		.75	-.271	.151	.422	.452	.369
	.85	-.149	.371	.519	.429	.318		.85	-.257	.280	.537	.450	.340
	.90	-.180	.385	.565	.435	.315		.90	-.163	.311	.474	.432	.333
	.95	-.053	.380	.432	.411	.316		.95	-.056	.320	.376	.411	.330
CHORD 4	.05	-.621	-.282	.339	.514	.454	CHORD 9	.05	-.447	-.344	.103	.484	.466
	.12	-.593	-.334	.259	.509	.464		.12	-.363	-.284	.079	.469	.455
	.20	-.531	-.345	.186	.499	.466		.20	-.326	-.292	.034	.462	.456
	.30	-.499	-.334	.165	.493	.464		.30	-.326	-.288	.038	.463	.456
	.35	-.483	-.330	.153	.490	.463		.35	-.332	-.288	.044	.464	.455
	.45	-.452	-.324	.127	.485	.462		.45	-.317	-.268	.049	.461	.452
	.50		-.311			.460		.50	-.315	-.251	.064	.460	.449
	.60	-.425	-.134	.291	.480	.427		.60	-.315	-.113	.203	.461	.423
	.70	-.375	.100	.475	.471	.379		.70	-.347	.090	.438	.466	.382
	.75	-.353	.196	.550	.467	.359		.75	-.265	.174	.439	.451	.364
	.85	-.241	.325	.566	.447	.329		.85	-.204	.235	.440	.440	.350
	.90	-.159	.364	.523	.431	.320		.90	-.145	.303	.448	.429	.334
	.95	-.064	.354	.418	.413	.322		.95	-.033			.407	
CHORD 5	.01	-.108	.235	.342	.422	.350	BALANCE DATA						
	.03	-.538	-.130	.409	.500	.426	MACH = .401 Q = 4.537 KPA ALPHA = .000 DEG						
	.05	-.600	-.264	.336	.510	.451	COEFFICIENT OF LIFT						
	.07	-.491	-.238	.253	.492	.446	DNAG .216						
	.12	-.589	-.314	.275	.508	.460	PITCH -1.190						
	.20	-.476	-.283	.193	.489	.455	ROLL -1.106						
	.30	-.450	-.287	.162	.484	.455	YAW .041						
	.35	-.449	-.289	.160	.484	.456							
	.45	-.438	-.287	.152	.482	.455							
	.50	-.425	-.272	.153	.480	.453							
	.60	-.411	-.116	.295	.478	.423							
	.70	-.386	.104	.489	.473	.379							
	.75	-.367	.191	.558	.470	.360							
	.85	-.272	.302	.574	.453	.335							
	.90	-.177	.333	.509	.435	.327							
	.95	-.067	.325	.391	.414	.329							

TABLE 5.- Continued

POINT NUMBER 243		MACH = .399		RN = 4.693*10E6		H = 53.904 KPA		ALPHA = 3.996 DEG		CPSTAR = #####					
		Q = 4.455 KPA		GAMMA = 1.134		P = 49.268 KPA		DELTA6 = -.630 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-1.012	.609	1.621	.576	.253	CHORD 6	.01	-1.725	.722	2.447	.682	.217		
	.03	-1.380			.632			.03	-1.722	.495	2.217	.681	.286		
	.05	-1.362	.116	1.479	.629	.375		.05	-1.299	.325	1.624	.620	.329		
	.07	-1.260	.063	1.323	.614	.386		.07	-1.228	.216	1.444	.609	.353		
	.12	-1.041	-.085	.957	.580	.416		.12	-.988	.091	1.079	.572	.381		
	.20	-.849	-.177	.672	.550	.434		.20	-.780	.041	.821	.539	.391		
	.30	-.698	-.181	.517	.525	.435		.30	-.664	.021	.685	.520	.395		
	.35	-.655	-.183	.472	.518	.435		.35	-.627	-.077	.550	.514	.415		
	.45	-.564	-.209	.355	.503	.440		.45	-.564	-.104	.460	.503	.420		
	.50	-.511	-.196	.315	.494	.437		.50	-.532	-.107	.425	.498	.420		
	.60	-.432	-.042	.390	.480	.408		.60	-.496	-.017	.479	.491	.403		
	.70	-.315	.134	.449	.459	.372		.70	-.434	.156	.590	.481	.367		
	.75	-.262	.206	.468	.450	.356		.75	-.384	.230	.614	.472	.350		
	.85		.309			.332			.85	-.276			.452		
	.90		.324			.329			.90	-.189	.386	.574	.436	.314	
.95	-.065	.284	.349	.412	.338		.95	-.074	.372	.447	.414	.317			
CHORD 2	.05	-1.360	.166	1.526	.629	.365	CHORD 7	.05	-1.310	.251	1.561	.621	.346		
	.12	-1.048	-.070	.978	.581	.413		.12	-.942	.111	1.053	.565	.376		
	.20	-.866	-.168	.698	.553	.432		.20	-.757	.016	.773	.535	.396		
	.30	-.726	-.171	.555	.530	.433		.30	-.664	-.047	.617	.520	.409		
	.35	-.666	-.180	.486	.520	.434		.35	-.629	-.076	.553	.514	.414		
	.45	-.584	-.198	.387	.506	.438		.45	-.547	-.117	.430	.500	.422		
	.50	-.529	-.187	.342	.497	.436		.50	-.519	-.117	.401	.495	.422		
	.60	-.450	-.037	.412	.483	.407		.60	-.482	-.029	.453	.489	.405		
	.70	-.344	.142	.486	.465	.370		.70	-.445	.137	.552	.477	.371		
	.75	-.281	.219	.500	.453	.353		.75	-.333	.207	.540	.463	.356		
	.85	-.182	.333	.514	.435	.327		.85	-.270			.451			
	.90	-.125	.348	.473	.424	.323		.90	-.190	.347	.537	.436	.323		
	.95	-.072	.345	.417	.414	.324		.95	-.085			.416			
	CHORD 3	.05	-1.349	.179	1.528	.627		.362	CHORD 8	.05	-1.318	.309	1.627	.622	.332
		.12	-1.047	-.028	1.019	.581		.405		.12	-.910	.083	.993	.560	.382
.20		-.864	-.166	.698	.552	.432	.20	-.768		-.010	.758	.537	.401		
.30		-.721	-.161	.560	.529	.431	.30	-.633		-.056	.577	.515	.410		
.35		-.669	-.169	.500	.521	.432	.35	-.589		-.069	.520	.507	.413		
.45		-.590	-.191	.398	.507	.437	.45	-.531		-.106	.425	.497	.420		
.50		-.542	-.191	.351	.499	.436	.50	-.512		-.116	.396	.494	.422		
.60		-.454	-.036	.418	.484	.407	.60	-.459		-.028	.431	.485	.405		
.70		-.355	.150	.505	.467	.368	.70	-.387		.117	.505	.472	.375		
.75		-.285	.219	.505	.454	.353	.75	-.339		.202	.541	.464	.357		
.85		-.178	.346	.524	.434	.323	.85	-.287		.339	.627	.454	.325		
.90		-.191	.352	.543	.436	.322	.90	-.178		.367	.545	.434	.318		
.95		-.064	.348	.412	.412	.323	.95	-.066		.355	.421	.413	.321		
CHORD 4		.05	-1.340	.207	1.547	.626	.356	CHORD 9		.05	-1.247	.223	1.470	.612	.352
		.12	-1.053	.015	1.068	.582	.396			.12	-.827	.076	.903	.546	.384
	.20	-.855	-.084	.772	.551	.416	.20		-.639	-.016	.623	.516	.403		
	.30	-.741	-.124	.618	.533	.424	.30		-.556	-.068	.488	.502	.413		
	.35	-.691	-.145	.546	.524	.428	.35		-.526	-.091	.435	.497	.417		
	.45	-.616	-.173	.443	.512	.433	.45		-.466	-.119	.348	.486	.423		
	.50		-.179			.434	.50		-.446	-.127	.319	.483	.424		
	.60	-.543	-.046	.497	.499	.408	.60		-.419	-.038	.382	.478	.407		
	.70	-.447	.155	.602	.483	.367	.70		-.423	.129	.551	.479	.373		
	.75	-.399	.242	.641	.474	.348	.75		-.326	.208	.534	.461	.355		
	.85	-.269	.365	.634	.451	.319	.85		-.234	.301	.535	.445	.334		
	.90	-.174	.398	.573	.433	.311	.90		-.152	.343	.496	.429	.324		
	.95	-.070	.378	.448	.413	.316	.95		-.037			.407			
	CHORD 5	.01	-1.388	.728	2.116	.633	.215								
		.03	-1.644	.454	2.098	.670	.296								
.05		-1.441	.279	1.721	.641	.339									
.07		-1.165	.228	1.393	.599	.351									
.12		-1.091	.069	1.159	.588	.385									
.20		-.822	.006	.828	.546	.398									
.30		-.709	-.062	.646	.527	.412									
.35		-.673	-.087	.586	.521	.417									
.45		-.617	-.124	.494	.512	.424									
.50		-.581	-.130	.451	.506	.425									
.60		-.527	-.024	.504	.497	.404									
.70		-.466	.154	.621	.486	.367									
.75		-.426	.234	.660	.479	.349									
.85		-.294	.353	.648	.456	.322									
.90		-.182	.379	.560	.435	.316									
.95	-.065	.351	.416	.412	.322										



TABLE 5.- Continued

POINT NUMBER 247 MACH = .780 RN = 2.313\*10E6 H = 16.292 KPA ALPHA = .001 DEG CPSTAR = -.551  
 Q = 4.010 KPA GAMMA = 1.134 P = 11.620 KPA DELTA6 = -.063 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.102	.283	.181	.738	.662	CHORD 6	.01	-.071	.117	.188	.809	.732
	.03	-.423			.949			.03	-.522	-.184	.338	.989	.854
	.05	-.644	-.082	.561	1.037	.813		.05	-.539	-.334	.205	.995	.914
	.07	-.730	-.396	.334	1.073	.938		.07	-.645	-.400	.245	1.038	.940
	.12	-.788	-.498	.290	1.096	.979		.12	-.625	-.384	.241	1.030	.933
	.20	-.747	-.598	.149	1.079	1.019		.20	-.617	-.373	.244	1.027	.929
	.30	-.675	-.515	.159	1.050	.986		.30	-.601	-.364	.237	1.020	.925
	.35	-.668	-.492	.177	1.047	.976		.35	-.594	-.382	.212	1.017	.933
	.45	-.622	-.497	.125	1.029	.978		.45	-.588	-.381	.207	1.015	.932
	.50	-.576	-.450	.126	1.010	.960		.50	-.580	-.370	.210	1.012	.928
	.60	-.486	-.153	.333	.974	.841		.60	-.547	-.106	.442	.999	.823
	.70	-.357	.069	.426	.923	.752		.70	-.501	.148	.649	.980	.719
	.75	-.287	.197	.484	.895	.698		.75	-.435	.226	.661	.954	.686
	.85		.329			.642		.85	-.298			.899	
	.90		.331			.641		.90	-.175	.321	.496	.850	.645
	.95	-.033	.330	.363	.793	.641		.95	-.012	.335	.347	.785	.639
CHORD 2	.05	-.646	-.315	.331	1.038	.906	CHORD 7	.05	-.666	-.403	.263	1.046	.941
	.12	-.780	-.512	.268	1.093	.985		.12	-.622	-.392	.230	1.029	.937
	.20	-.772	-.619	.152	1.090	1.028		.20	-.570	-.394	.176	1.008	.937
	.30	-.711	-.533	.178	1.065	.993		.30	-.617	-.399	.218	1.027	.940
	.35	-.685	-.512	.174	1.054	.984		.35	-.603	-.388	.215	1.021	.935
	.45	-.665	-.501	.164	1.046	.980		.45	-.579	-.374	.205	1.011	.929
	.50	-.591	-.448	.143	1.016	.959		.50	-.561	-.358	.203	1.004	.923
	.60	-.494	-.141	.353	.977	.837		.60	-.545	-.147	.398	.998	.839
	.70	-.383	.095	.478	.933	.741		.70	-.475	.096	.571	.970	.740
	.75	-.304	.209	.513	.902	.693		.75	-.390	.194	.583	.936	.700
	.85	-.182	.351	.533	.853	.632		.85	-.261			.885	
.90	-.113	.359	.472	.825	.629	.90	-.162	.366	.527	.845	.626		
.95	-.036	.376	.413	.795	.621	.95	-.048			.800			
CHORD 3	.05	-.667	-.334	.333	1.047	.914	CHORD 8	.05	-.577	-.351	.226	1.011	.920
	.12	-.815	-.517	.297	1.107	.987		.12	-.566	-.385	.181	1.006	.934
	.20	-.776	-.612	.164	1.091	1.025		.20	-.549	-.408	.141	.999	.943
	.30	-.717	-.537	.180	1.067	.995		.30	-.558	-.407	.151	1.003	.942
	.35	-.684	-.521	.163	1.054	.988		.35	-.565	-.393	.172	1.006	.937
	.45	-.645	-.504	.140	1.038	.981		.45	-.542	-.390	.151	.996	.936
	.50	-.605	-.449	.156	1.022	.959		.50	-.539	-.378	.160	.995	.931
	.60	-.514	-.137	.377	.985	.835		.60	-.527	-.136	.391	.990	.835
	.70	-.400	.127	.527	.940	.728		.70	-.417	.105	.522	.947	.737
	.75	-.305	.212	.517	.902	.692		.75	-.329	.204	.534	.912	.695
	.85	-.179	.356	.535	.852	.630		.85	-.326	.311	.637	.911	.650
.90	-.178	.387	.565	.852	.616	.90	-.150	.307	.457	.840	.652		
.95	-.028	.396	.424	.791	.612	.95	-.033	.335	.368	.793	.639		
CHORD 4	.05	-.662	-.390	.272	1.045	.936	CHORD 9	.05	-.543	-.408	.135	.997	.943
	.12	-.810	-.505	.306	1.105	.982		.12	-.521	-.400	.121	.988	.940
	.20	-.722	-.540	.182	1.069	.996		.20	-.475	-.408	.067	.970	.943
	.30	-.706	-.537	.168	1.063	.995		.30	-.480	-.403	.077	.972	.941
	.35	-.701	-.537	.164	1.061	.995		.35	-.480	-.391	.089	.972	.936
	.45	-.695	-.534	.161	1.058	.993		.45	-.455	-.375	.080	.962	.930
	.50		-.479			.971		.50	-.451	-.346	.105	.960	.918
	.60	-.272	-.179	.093	.889	.852		.60	-.431	-.116	.315	.952	.827
	.70	-.500	.102	.602	.980	.738		.70	-.466	.113	.579	.966	.734
	.75	-.439	.226	.665	.955	.686		.75	-.335	.218	.553	.914	.690
	.85	-.251	.362	.613	.881	.627		.85	-.224	.303	.527	.870	.653
.90	-.153	.412	.565	.842	.605	.90	-.116	.346	.461	.827	.635		
.95	-.030	.413	.443	.792	.605	.95	.031			.767			
CHORD 5	.01	.092	.246	.155	.742	.678							
	.03	-.583	-.220	.363	1.013	.868							
	.05	-.692	-.383	.309	1.057	.933							
	.07	-.623	-.376	.248	1.029	.930							
	.12	-.725	-.439	.286	1.070	.955							
	.20	-.656	-.454	.201	1.042	.962							
	.30	-.672	-.445	.227	1.049	.958							
	.35	-.659	-.440	.220	1.044	.956							
	.45	-.668	-.439	.229	1.047	.956							
	.50	-.655	-.435	.220	1.042	.954							
	.60	-.614	-.155	.459	1.025	.842							
	.70	-.537	.112	.649	.994	.734							
	.75	-.458	.216	.674	.963	.690							
.85	-.301	.328	.628	.900	.643								
.90	-.170	.371	.541	.848	.623								
.95	-.020	.400	.419	.788	.611								

TABLE 5.- Continued

POINT NUMBER 248		MACH = .780		RN = 2.320*10E6		H = 16.258 KPA		ALPHA = 2.582 DEG		CPSTAR = -.552					
		Q = 3.998 KPA		GAMMA = 1.134		P = 11.600 KPA		DELTA6 = -.020 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.181	.507	.688	.852	.561	CHORD 6	.01	-.664	.548	1.212	1.045	.541		
	.03	-.794			1.098			.03	-1.116	.257	1.373	1.235	.673		
	.05	-1.077	.187	1.264	1.218	.702		.05	-1.230	.104	1.333	1.286	.737		
	.07	-1.078	-.128	.950	1.218	.831		.07	-1.321	-.002	1.318	1.328	.780		
	.12	-1.142	-.258	.884	1.246	.883		.12	-1.270	-.078	1.191	1.304	.811		
	.20	-1.072	-.369	.702	1.215	.927		.20	-1.272	-.118	1.154	1.305	.827		
	.30	-.962	-.343	.619	1.168	.917		.30	-1.207	-.198	1.009	1.275	.859		
	.35	-.918	-.344	.574	1.150	.917		.35	-1.149	-.201	.947	1.249	.860		
	.45	-.793	-.368	.425	1.098	.927		.45	-.880	-.244	.636	1.134	.877		
	.50	-.661	-.344	.317	1.044	.917		.50	-.492	-.230	.262	.976	.872		
	.60	-.527	-.098	.429	.990	.819		.60	-.503	-.059	.444	.980	.803		
	.70	-.385	.140	.524	.933	.722		.70	-.482	.184	.666	.972	.703		
	.75	-.313	.230	.542	.904	.684		.75	-.417	.264	.681	.946	.670		
	.85		.354			.630		.85	-.281			.892			
	.90		.379			.619		.90	-.169	.392	.561	.847	.613		
.95	-.047	.351	.398	.798	.632	.95	-.026	.400	.426	.790	.610				
CHORD 2	.05	-1.078	-.029	1.049	1.218	.791	CHORD 7	.05	-1.322	.057	1.379	1.329	.756		
	.12	-1.226	-.266	.960	1.284	.886		.12	-1.310	-.072	1.237	1.323	.809		
	.20	-1.171	-.373	.798	1.259	.929		.20	-1.263	-.146	1.117	1.301	.838		
	.30	-1.059	-.373	.686	1.210	.928		.30	-1.229	-.193	1.036	1.286	.857		
	.35	-.996	-.371	.625	1.183	.928		.35	-1.175	-.208	.967	1.261	.863		
	.45	-.818	-.377	.442	1.108	.930		.45	-.588	-.244	.344	1.014	.877		
	.50	-.658	-.355	.303	1.043	.921		.50	-.522	-.237	.285	.988	.874		
	.60	-.529	-.094	.436	.991	.817		.60	-.516	-.071	.446	.985	.808		
	.70	-.412	.149	.562	.944	.718		.70	-.443	.151	.594	.956	.717		
	.75	-.314	.242	.556	.905	.679		.75	-.370	.241	.611	.927	.679		
	.85	-.195	.384	.578	.857	.617		.85	-.243			.877			
	.90	-.121	.414	.535	.828	.604		.90	-.150	.410	.560	.840	.605		
	.95	-.044	.395	.438	.797	.612		.95	-.045			.798			
	CHORD 3	.05	-1.065	-.034	1.032	1.213		.793	CHORD 8	.05	-1.190	.084	1.274	1.268	.745
		.12	-1.247	-.252	.995	1.294		.880		.12	-1.261	-.072	1.190	1.300	.808
.20		-1.224	-.373	.851	1.283	.928	.20	-1.268		-.160	1.108	1.303	.844		
.30		-1.105	-.357	.748	1.230	.922	.30	-1.261		-.209	1.052	1.300	.863		
.35		-1.018	-.358	.660	1.192	.922	.35	-1.159		-.214	.944	1.254	.865		
.45		-.791	-.372	.419	1.097	.928	.45	-.564		-.213	.350	1.004	.865		
.50		-.618	-.344	.274	1.026	.917	.50	-.477		-.243	.234	.970	.877		
.60		-.548	-.094	.454	.998	.817	.60	-.467		-.084	.383	.966	.813		
.70		-.419	.159	.578	.947	.714	.70	-.422		.124	.546	.948	.728		
.75		-.320	.245	.566	.908	.678	.75	-.346		.227	.573	.918	.685		
.85		-.191	.393	.584	.856	.613	.85	-.298		.363	.661	.898	.627		
.90		-.162	.417	.579	.844	.603	.90	-.169		.399	.568	.847	.610		
.95		-.039	.418	.458	.795	.602	.95	-.046		.396	.442	.798	.612		
CHORD 4		.05	-1.148	-.042	1.106	1.249	.796	CHORD 9		.05	-1.278	.041	1.318	1.308	.763
		.12	-1.230	-.238	.993	1.286	.875			.12	-1.275	-.082	1.194	1.307	.812
	.20	-1.227	-.312	.915	1.285	.904	.20		-1.226	-.187	1.039	1.284	.855		
	.30	-1.216	-.339	.877	1.279	.915	.30		-.982	-.219	.763	1.177	.867		
	.35	-1.148	-.347	.802	1.249	.918	.35		-.485	-.231	.254	.973	.872		
	.45	-.828	-.364	.464	1.112	.925	.45		-.469	-.247	.222	.967	.878		
	.50		-.347			.918	.50		-.481	-.245	.237	.972	.877		
	.60	-.303	-.113	.190	.900	.825	.60		-.472	-.087	.386	.968	.814		
	.70	-.512	.174	.686	.984	.708	.70		-.488	.142	.630	.974	.721		
	.75	-.442	.282	.723	.956	.662	.75		-.362	.234	.596	.924	.682		
	.85	-.253	.411	.664	.881	.605	.85		-.241	.331	.572	.876	.641		
	.90	-.150	.450	.599	.840	.588	.90		-.136	.368	.504	.834	.624		
	.95	-.026	.443	.469	.790	.591	.95		-.005			.781			
	CHORD 5	.01	-.269	.561	.830	.887	.535								
		.03	-1.176	.200	1.375	1.261	.697								
.05		-1.206	.022	1.229	1.275	.770									
.07		-1.226	-.031	1.195	1.284	.792									
.12		-1.263	-.137	1.126	1.301	.835									
.20		-1.247	-.188	1.059	1.294	.855									
.30		-1.198	-.203	.996	1.272	.861									
.35		-1.169	-.262	.906	1.258	.885									
.45		-1.048	-.293	.755	1.205	.897									
.50		-.691	-.284	.408	1.056	.893									
.60		-.554	-.079	.475	1.001	.811									
.70		-.516	.165	.681	.985	.712									
.75		-.447	.261	.708	.958	.671									
.85		-.280	.385	.664	.891	.617									
.90		-.152	.425	.577	.840	.599									
.95	-.014	.424	.438	.785	.599										

TABLE 5.- Continued

POINT NUMBER 257      MACH = .819      RN = 2.216\*10E6      H = 15.309 KPA      ALPHA = .001 DEG      CPSTAR = -.426  
 Q = 4.016 KPA      GAMMA = 1.134      P = 10.555 KPA      DELTA6 = .167 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.141	.299	.159	.758	.688	CHORD 6	.01	-.001	.101	.102	.819	.775		
	.03	-.337			.962			.03	-.478	-.204	.275	1.022	.905		
	.05	-.593	-.052	.542	1.072	.841		.05	-.513	-.374	.140	1.037	.977		
	.07	-.677	-.377	.300	1.109	.979		.07	-.632	-.435	.197	1.089	1.004		
	.12	-.756	-.490	.266	1.144	1.027		.12	-.633	-.414	.219	1.089	.995		
	.20	-.744	-.619	.125	1.138	1.083		.20	-.746	-.406	.340	1.139	.991		
	.30	-.732	-.565	.168	1.133	1.060		.30	-.726	-.398	.328	1.130	.988		
	.35	-.715	-.529	.185	1.125	1.044		.35	-.729	-.411	.319	1.132	.993		
	.45	-.715	-.576	.139	1.126	1.064		.45	-.725	-.401	.323	1.130	.989		
	.50	-.712	-.499	.212	1.124	1.031		.50	-.705	-.356	.349	1.121	.970		
	.60	-.561	-.134	.427	1.058	.876		.60	-.635	-.082	.553	1.090	.854		
	.70	-.365	.118	.483	.974	.768		.70	-.554	.165	.719	1.055	.747		
	.75	-.293	.206	.499	.943	.729		.75	-.455	.215	.670	1.012	.725		
	.85		.337			.671		.85	-.291			.942			
	.90		.346			.666		.90	-.159	.296	.455	.886	.689		
	.95	-.023	.358	.381	.829	.661		.95	.002	.349	.347	.818	.665		
CHORD 2	.05	-.612	-.293	.318	1.080	.943	CHORD 7	.05	-.651	-.427	.224	1.097	1.000		
	.12	-.799	-.502	.297	1.163	1.033		.12	-.604	-.444	.160	1.077	1.008		
	.20	-.823	-.668	.155	1.174	1.105		.20	-.689	-.444	.244	1.114	1.008		
	.30	-.767	-.593	.174	1.149	1.072		.30	-.694	-.449	.245	1.116	1.010		
	.35	-.764	-.584	.181	1.147	1.068		.35	-.718	-.433	.285	1.127	1.003		
	.45	-.778	-.574	.203	1.154	1.064		.45	-.708	-.413	.296	1.122	.994		
	.50	-.741	-.481	.260	1.137	1.023		.50	-.692	-.371	.321	1.115	.976		
	.60	-.526	-.121	.404	1.043	.871		.60	-.619	-.133	.486	1.083	.875		
	.70	-.391	.123	.514	.985	.766		.70	-.499	.117	.617	1.031	.768		
	.75	-.296	.221	.517	.944	.723		.75	-.390	.204	.594	.985	.730		
	.85	-.169	.361	.530	.891	.659		.85	-.241			.921			
	.90	-.094	.394	.488	.859	.644		.90	-.136	.359	.494	.877	.661		
	.95	-.016	.401	.417	.826	.641		.95	-.027			.830			
	CHORD 3	.05	-.604	-.317	.287	1.077		.954	CHORD 8	.05	-.577	-.387	.190	1.065	.983
		.12	-.832	-.508	.325	1.178		1.035		.12	-.600	-.411	.189	1.075	.993
		.20	-.826	-.666	.160	1.175		1.104		.20	-.650	-.454	.196	1.097	1.012
.30		-.813	-.595	.218	1.170	1.073	.30	-.674		-.449	.226	1.107	1.010		
.35		-.773	-.574	.199	1.151	1.063	.35	-.679		-.435	.244	1.110	1.004		
.45		-.782	-.566	.216	1.155	1.060	.45	-.689		-.429	.259	1.114	1.001		
.50		-.776	-.485	.291	1.153	1.025	.50	-.667		-.396	.271	1.104	.987		
.60		-.578	-.115	.463	1.065	.868	.60	-.560		-.134	.426	1.057	.876		
.70		-.404	.143	.547	.990	.757	.70	-.480		.107	.588	1.023	.772		
.75		-.308	.223	.531	.949	.722	.75	-.361		.201	.561	.972	.732		
.85		-.170	.365	.535	.891	.658	.85	-.335		.289	.624	.961	.692		
.90		-.159	.401	.560	.886	.641	.90	-.164		.289	.453	.889	.692		
.95		-.010	.414	.424	.823	.635	.95	-.031		.335	.365	.832	.672		
CHORD 4		.05	-.616	-.402	.214	1.082	.990	CHORD 9		.05	-.539	-.435	.104	1.049	1.004
		.12	-.768	-.575	.193	1.149	1.064			.12	-.595	-.431	.163	1.073	1.002
		.20	-.798	-.621	.176	1.162	1.084			.20	-.541	-.528	.013	1.049	1.044
	.30	-.808	-.616	.191	1.167	1.082	.30		-.570	-.470	.101	1.062	1.018		
	.35	-.796	-.610	.185	1.162	1.079	.35		-.592	-.459	.133	1.071	1.014		
	.45	-.774	-.605	.169	1.152	1.077	.45		-.539	-.393	.146	1.048	.986		
	.50		-.530			1.045	.50		-.515	-.357	.157	1.038	.971		
	.60	-.412	-.178	.235	.994	.894	.60		-.490	-.122	.368	1.027	.871		
	.70	-.498	.138	.636	1.031	.759	.70		-.480	.129	.609	1.023	.763		
	.75	-.424	.246	.671	.999	.711	.75		-.349	.210	.560	.967	.727		
	.85	-.238	.376	.614	.920	.653	.85		-.223	.283	.506	.914	.695		
	.90	-.136	.429	.565	.877	.628	.90		-.105	.329	.434	.864	.674		
	.95	-.010	.440	.449	.823	.623	.95		.031			.805			
	CHORD 5	.01	.147	.235	.089	.755	.716								
		.03	-.513	-.247	.266	1.037	.924								
		.05	-.641	-.441	.200	1.093	1.006								
.07		-.624	-.450	.174	1.085	1.010									
.12		-.668	-.501	.167	1.104	1.032									
.20		-.743	-.543	.201	1.138	1.050									
.30		-.760	-.534	.226	1.146	1.046									
.35		-.773	-.535	.238	1.151	1.047									
.45		-.808	-.486	.322	1.167	1.026									
.50		-.817	-.420	.397	1.171	.997									
.60		-.764	-.146	.618	1.147	.881									
.70		-.634	.119	.753	1.090	.768									
.75		-.425	.222	.646	.999	.722									
.85		-.265	.328	.593	.932	.675									
.90		-.138	.385	.524	.878	.648									
.95		.006	.385	.378	.816	.649									

TABLE 5.- Continued

POINT NUMBER 258      MACH = .823      RN = 2.216\*10E6      H = 15.359 KPA      ALPHA = 1.766 DEG      CPSTAR = -.414  
 Q = 4.055 KPA      GAMMA = 1.134      P = 10.550 KPA      DELTA6 = .167 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.037	.465	.502	.839	.614	CHORD 6	.01	-.335	.396	.731	.966	.647		
	.03	-.588			1.076			.03	-.796	.100	.897	1.169	.780		
	.05	-.854	.131	.985	1.195	.766		.05	-.933	-.053	.879	1.232	.846		
	.07	-.874	-.193	.681	1.205	.906		.07	-.980	-.153	.826	1.254	.889		
	.12	-.992	-.326	.666	1.260	.962		.12	-.982	-.195	.787	1.255	.906		
	.20	-.944	-.458	.486	1.237	1.019		.20	-1.000	-.223	.776	1.264	.919		
	.30	-.908	-.429	.479	1.220	1.007		.30	-.990	-.253	.737	1.259	.931		
	.35	-.878	-.425	.453	1.206	1.005		.35	-1.008	-.310	.698	1.268	.956		
	.45	-.877	-.468	.409	1.206	1.023		.45	-1.063	-.312	.751	1.295	.956		
	.50	-.887	-.410	.477	1.211	.999		.50	-1.087	-.308	.779	1.306	.955		
	.60	-.715	-.102	.614	1.132	.867		.60	-1.012	-.068	.943	1.270	.852		
	.70	-.385	.148	.533	.988	.759		.70	-.735	.189	.924	1.141	.741		
	.75	-.306	.238	.544	.954	.719		.75	-.376	.265	.640	.984	.707		
	.85		.365		.661	.661		.85	-.181		.900				
	.90		.392			.648		.90	-.110	.375	.485	.870	.657		
.95	-.040	.369	.409	.840	.659	.95	-.004	.396	.400	.825	.647				
CHORD 2	.05	-.838	-.083	.755	1.188	.859	CHORD 7	.05	-.686	-.097	.589	1.119	.865		
	.12	-1.031	-.333	.698	1.279	.966		.12	-.900	-.197	.703	1.217	.907		
	.20	-1.014	-.478	.537	1.271	1.028		.20	-.957	-.256	.701	1.243	.932		
	.30	-.972	-.474	.497	1.250	1.026		.30	-.971	-.287	.684	1.250	.946		
	.35	-.945	-.472	.473	1.238	1.025		.35	-.987	-.294	.694	1.258	.948		
	.45	-.934	-.470	.463	1.232	1.024		.45	-1.007	-.318	.689	1.268	.959		
	.50	-.925	-.414	.511	1.228	1.000		.50	-1.047	-.298	.748	1.287	.950		
	.60	-.796	-.093	.702	1.168	.863		.60	-1.024	-.094	.930	1.276	.863		
	.70	-.396	.129	.525	.992	.767		.70	-.584	.143	.727	1.074	.761		
	.75	-.299	.248	.547	.951	.714		.75	-.401	.234	.636	.995	.720		
	.85	-.174	.390	.564	.897	.649		.85	-.260		.934				
	.90	-.103	.419	.523	.867	.636		.90	-.162	.405	.566	.892	.643		
	.95	-.029	.414	.444	.836	.638		.95	-.078		.856				
	CHORD 3	.05	-.851	-.100	.751	1.194		.866	CHORD 8	.05	-.911	-.060	.851	1.222	.849
		.12	-1.047	-.328	.720	1.287		.963		.12	-1.000	-.183	.817	1.264	.901
.20		-1.052	-.471	.581	1.290	1.025	.20	-.997		-.252	.745	1.263	.931		
.30		-1.019	-.435	.583	1.273	1.009	.30	-1.002		-.270	.732	1.265	.938		
.35		-.980	-.444	.537	1.255	1.013	.35	-.994		-.293	.701	1.261	.948		
.45		-.946	-.444	.502	1.238	1.013	.45	-1.017		-.308	.709	1.273	.955		
.50		-.950	-.405	.545	1.240	.996	.50	-1.066		-.294	.772	1.296	.949		
.60		-.883	-.089	.794	1.209	.861	.60	-.978		-.097	.881	1.254	.865		
.70		-.386	.173	.559	.988	.748	.70	-.311		.132	.443	.956	.766		
.75		-.293	.257	.550	.948	.710	.75	-.228		.230	.459	.921	.722		
.85		-.172	.403	.574	.896	.644	.85	-.206		.352	.558	.911	.667		
.90		-.140	.432	.572	.883	.630	.90	-.114		.386	.499	.872	.652		
.95		-.025	.438	.463	.834	.627	.95	-.013		.392	.405	.828	.649		
CHORD 4		.05	-.581	-.171	.410	1.072	.896	CHORD 9		.05	-.976	-.100	.875	1.252	.866
		.12	-.850	-.357	.493	1.193	.976			.12	-1.013	-.191	.822	1.270	.905
	.20	-.959	-.426	.533	1.244	1.005	.20		-.986	-.294	.693	1.258	.949		
	.30	-1.015	-.444	.571	1.271	1.013	.30		-1.007	-.302	.705	1.267	.952		
	.35	-1.028	-.446	.581	1.277	1.014	.35		-1.010	-.306	.704	1.269	.954		
	.45	-1.019	-.476	.542	1.273	1.027	.45		-1.009	-.304	.705	1.269	.953		
	.50		-.446			1.014	.50		-.778	-.292	.486	1.160	.948		
	.60	-.252	-.131	.122	.931	.879	.60		-.345	-.091	.255	.971	.862		
	.70	-.486	.170	.656	1.031	.749	.70		-.374	.151	.526	.983	.757		
	.75	-.403	.279	.682	.996	.701	.75		-.305	.239	.544	.953	.718		
	.85	-.299	.413	.713	.951	.639	.85		-.212	.326	.538	.914	.679		
	.90	-.200	.457	.657	.908	.618	.90		-.110	.370	.481	.870	.659		
	.95	-.085	.456	.542	.860	.618	.95		.016		.816				
	CHORD 5	.01	-.018	.441	.458	.831	.626								
		.03	-.570	.038	.609	1.068	.806								
.05		-.773	-.151	.621	1.158	.888									
.07		-.856	-.167	.689	1.196	.894									
.12		-.923	-.277	.646	1.227	.941									
.20		-.967	-.329	.639	1.248	.964									
.30		-.988	-.350	.638	1.258	.973									
.35		-.989	-.351	.638	1.259	.973									
.45		-1.021	-.366	.656	1.274	.979									
.50		-1.059	-.354	.705	1.293	.974									
.60		-1.048	-.101	.946	1.287	.867									
.70		-.955	.161	1.116	1.243	.753									
.75		-.611	.254	.865	1.086	.712									
.85		-.329	.372	.701	.964	.658									
.90		-.178	.419	.597	.899	.636									
.95	-.069	.431	.500	.853	.630										

TABLE 5.- Continued

POINT NUMBER 259		MACH = .799		RN = 2.208*10E6		H = 15.489 KPA		ALPHA = .000 DEG		CPSTAR = -.439					
		Q = 3.932 KPA		GAMMA = 1.134		P = 10.873 KPA		DELTA6 = .180 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.123	.303	.180	.747	.669	CHORD 6	.01	.064	.108	.172	.825	.753		
	.03	-.393			.960			.03	-.516	-.195	.321	1.011	.879		
	.05	-.623	.050	.573	1.056	.819		.05	-.546	-.353	.193	1.023	.944		
	.07	-.710	.368	.342	1.092	.950		.07	-.655	-.408	.248	1.069	.966		
	.12	-.778	.476	.302	1.121	.994		.12	-.651	-.393	.258	1.067	.960		
	.20	-.741	-.582	.159	1.106	1.039		.20	-.647	-.392	.254	1.066	.960		
	.30	-.683	-.512	.171	1.081	1.009		.30	-.648	-.392	.256	1.066	.960		
	.35	-.673	.493	.180	1.077	1.001		.35	-.639	-.392	.247	1.062	.960		
	.45	-.669	.490	.180	1.075	1.000		.45	-.641	-.390	.252	1.063	.959		
	.50	-.589	.445	.144	1.041	.982		.50	-.632	-.342	.290	1.059	.939		
	.60	-.488	.123	.365	.999	.849		.60	-.595	-.086	.509	1.044	.834		
	.70	-.347	.128	.475	.942	.745		.70	-.543	.171	.714	1.022	.726		
	.75	-.275	.218	.494	.912	.706		.75	-.461	.231	.692	.988	.701		
	.85		.348			.649		.85	-.294			.920			
	.90		.380			.634		.90	-.172	.301	.473	.870	.670		
.95	-.020	.365	.386	.807	.641	.95	-.005	.359	.364	.801	.644				
CHORD 2	.05	-.641	-.294	.347	1.063	.920	CHORD 7	.05	-.659	-.420	.239	1.071	.971		
	.12	-.793	-.492	.301	1.128	1.001		.12	-.613	-.417	.197	1.092	.970		
	.20	-.790	-.631	.160	1.127	1.059		.20	-.584	-.416	.168	1.039	.970		
	.30	-.737	-.540	.197	1.104	1.021		.30	-.655	-.423	.233	1.069	.972		
	.35	-.713	-.521	.192	1.094	1.013		.35	-.647	-.407	.239	1.066	.966		
	.45	-.688	-.518	.170	1.083	1.012		.45	-.631	-.396	.235	1.059	.962		
	.50	-.591	-.447	.144	1.042	.982		.50	-.596	-.368	.227	1.044	.950		
	.60	-.509	-.128	.380	1.008	.852		.60	-.581	-.135	.446	1.038	.854		
	.70	-.378	.119	.497	.954	.749		.70	-.533	.116	.648	1.018	.750		
	.75	-.293	.230	.523	.919	.701		.75	-.437	.207	.644	.978	.711		
	.85	-.168	.372	.539	.868	.638		.85	-.332			.935			
	.90	-.096	.415	.511	.838	.618		.90	-.224	.381	.605	.891	.634		
	.95	-.020	.404	.424	.807	.623		.95	-.110			.844			
	CHORD 3	.05	-.635	-.293	.342	1.061		.919	CHORD 8	.05	-.580	-.355	.225	1.038	.945
		.12	-.822	-.507	.315	1.140		1.007		.12	-.575	-.392	.182	1.035	.960
.20		-.804	-.612	.192	1.132	1.051	.20	-.566		-.423	.144	1.032	.972		
.30		-.744	-.545	.199	1.107	1.023	.30	-.629		-.419	.210	1.058	.971		
.35		-.729	-.535	.194	1.100	1.019	.35	-.633		-.417	.216	1.060	.970		
.45		-.673	-.525	.148	1.077	1.015	.45	-.630		-.415	.216	1.059	.969		
.50		-.614	-.439	.175	1.052	.979	.50	-.628		-.363	.265	1.058	.948		
.60		-.532	-.128	.404	1.018	.851	.60	-.544		-.131	.413	1.023	.853		
.70		-.393	.148	.541	.960	.736	.70	-.443		.110	.554	.981	.752		
.75		-.306	.233	.539	.925	.700	.75	-.375		.207	.582	.953	.711		
.85		-.164	.373	.537	.866	.637	.85	-.304		.301	.605	.924	.670		
.90		-.140	.410	.550	.856	.621	.90	-.194		.299	.494	.879	.670		
.95		-.011	.422	.433	.803	.615	.95	-.045		.356	.401	.817	.645		
CHORD 4		.05	-.622	-.391	.231	1.055	.959	CHORD 9		.05	-.564	-.403	.162	1.031	.964
		.12	-.789	-.548	.241	1.126	1.024			.12	-.567	-.394	.173	1.032	.961
	.20	-.800	-.581	.219	1.131	1.038	.20		-.525	-.475	.050	1.015	.994		
	.30	-.737	-.567	.170	1.104	1.032	.30		-.531	-.415	.116	1.017	.969		
	.35	-.693	-.549	.144	1.085	1.024	.35		-.541	-.395	.146	1.021	.961		
	.45	-.733	-.553	.180	1.102	1.026	.45		-.504	-.370	.134	1.006	.951		
	.50		-.493			1.001	.50		-.494	-.338	.156	1.002	.938		
	.60	-.290	-.166	.124	.918	.867	.60		-.472	-.112	.360	.993	.845		
	.70	-.514	.140	.654	1.010	.740	.70		-.483	.138	.622	.998	.740		
	.75	-.430	.245	.675	.975	.694	.75		-.357	.221	.578	.945	.705		
	.85	-.244	.376	.620	.899	.636	.85		-.238	.298	.536	.897	.671		
	.90	-.142	.425	.567	.857	.614	.90		-.123	.349	.472	.850	.648		
	.95	-.018	.431	.449	.806	.611	.95		.021			.790			
	CHORD 5	.01	.115	.238	.123	.750	.697								
		.03	-.553	-.235	.319	1.027	.895								
.05		-.676	-.414	.262	1.078	.969									
.07		-.623	-.423	.200	1.056	.973									
.12		-.702	-.467	.235	1.089	.991									
.20		-.709	-.483	.226	1.092	.997									
.30		-.697	-.475	.222	1.087	.994									
.35		-.690	-.461	.229	1.084	.988									
.45		-.694	-.447	.248	1.086	.982									
.50		-.702	-.408	.294	1.089	.967									
.60		-.657	-.137	.520	1.070	.855									
.70		-.550	.137	.687	1.025	.741									
.75		-.450	.229	.679	.984	.701									
.85		-.295	.341	.636	.920	.652									
.90		-.163	.392	.554	.866	.629									
.95	-.010	.418	.428	.803	.617										

TABLE 5.- Continued

POINT NUMBER 260											MACH = .802		RN = 2.211*10E6		H = 15.518 KPA		ALPHA = 1.764 DEG		CPSTAR = **.480																																																																																				
											Q = 3.958 KPA		GAMMA = 1.134		P = 10.866 KPA		DELTA6 = .171 DEG																																																																																						
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML																																																																																			
CHORD 1	.01	-.068	.448	.516	.830	.605	CHORD 6	.01	-.431	.432	.863	.980	.613	.03	-.891	.130	1.022	1.175	.746	.05	-1.029	-.023	1.005	1.237	.811	.07	-.915	-.210	.705	1.186	.888	.12	-1.021	-.336	.685	1.234	.940	.20	-.969	-.440	.528	1.210	.983	.30	-.895	-.411	.484	1.177	.971	.35	-.867	-.409	.458	1.164	.970	.45	-.836	-.414	.422	1.151	.973	.50	-.780	-.394	.386	1.127	.964	.60	-.520	-.116	.404	1.017	.850	.70	-.371	.130	.500	.955	.746	.75	-.299	.221	.520	.925	.707	.85		.348			.651	.90		.375			.639	.95	-.032	.351	.383	.815	.650
CHORD 2	.05	-.879	-.119	.760	1.170	.851	CHORD 7	.05	-1.052	-.069	.983	1.248	.830	.12	-1.081	-.347	.734	1.261	.945	.20	-1.023	-.449	.574	1.234	.987	.30	-.965	-.435	.530	1.208	.981	.35	-.924	-.432	.492	1.190	.980	.45	-.879	-.430	.449	1.170	.979	.50	-.801	-.402	.398	1.136	.968	.60	-.512	-.108	.404	1.013	.846	.70	-.392	.141	.533	.963	.742	.75	-.308	.234	.542	.929	.702	.85	-.180	.376	.556	.876	.639	.90	-.107	.411	.518	.846	.622	.95	-.030	.394	.424	.814	.630																		
CHORD 3	.05	-.905	-.115	.790	1.181	.849	CHORD 8	.05	-1.011	-.012	.999	1.229	.806	.12	-1.098	-.332	.766	1.269	.939	.20	-1.061	-.440	.621	1.252	.983	.30	-.992	-.424	.569	1.221	.976	.35	-.943	-.425	.518	1.198	.977	.45	-.899	-.441	.458	1.179	.984	.50	-.853	-.394	.459	1.159	.964	.60	-.516	-.107	.409	1.015	.846	.70	-.404	.153	.557	.968	.736	.75	-.316	.239	.555	.932	.699	.85	-.176	.386	.562	.874	.634	.90	-.149	.412	.561	.863	.622	.95	-.025	.416	.441	.812	.620																		
CHORD 4	.05	-.492	-.158	.334	1.005	.867	CHORD 9	.05	-1.051	-.084	.967	1.247	.836	.12	-.774	-.347	.428	1.124	.945	.20	-.921	-.393	.528	1.189	.964	.30	-.994	-.410	.585	1.222	.971	.35	-1.015	-.410	.605	1.231	.971	.45	-.994	-.435	.559	1.221	.981	.50		-.411			.971	.60	-.142	-.134	.008	.860	.857	.70	-.503	.163	.666	1.009	.732	.75	-.444	.274	.738	.993	.684	.85	-.366	.409	.775	.953	.623	.90	-.251	.452	.703	.905	.603	.95	-.136	.450	.585	.858	.605																		
CHORD 5	.01	-.057	.463	.520	.825	.598								.03	-.510	.067	.576	1.012	.773	.05	-.773	-.119	.654	1.124	.851	.07	-.876	-.157	.719	1.169	.867	.12	-.952	-.247	.705	1.202	.903	.20	-1.003	-.296	.708	1.226	.924	.30	-1.017	-.333	.684	1.232	.939	.35	-1.015	-.339	.677	1.231	.941	.45	-1.021	-.357	.664	1.234	.949	.50	-1.029	-.336	.693	1.237	.940	.60	-.932	-.100	.832	1.193	.843	.70	-.698	.158	.856	1.092	.734	.75	-.545	.254	.800	1.027	.693	.85	-.427	.376	.802	.978	.639	.90	-.299	.421	.720	.925	.618	.95	-.172	.429	.601	.873	.614

TABLE 5.- Continued

POINT NUMBER 261		MACH = .781		RN = 2.210*10E6		H = 15.741 KPA		ALPHA = .000 DEG		CPSTAR = -.549					
		Q = 3.876 KPA		GAMMA = 1.133		P = 11.224 KPA		DELTA6 = .170 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.102	.285	.183	.738	.661	CHORD 6	.01	-.086	.115	.201	.815	.733		
	.03	-.429			.952			.03	-.534	-.188	.346	.994	.856		
	.05	-.647	-.080	.567	1.039	.813		.05	-.555	-.336	.219	1.002	.915		
	.07	-.737	-.391	.346	1.076	.937		.07	-.657	-.398	.258	1.043	.940		
	.12	-.794	-.492	.302	1.099	.977		.12	-.637	-.384	.252	1.035	.934		
	.20	-.736	-.590	.146	1.076	1.017		.20	-.632	-.375	.258	1.033	.930		
	.30	-.676	-.511	.165	1.051	.985		.30	-.617	-.373	.245	1.027	.930		
	.35	-.657	-.491	.166	1.043	.977		.35	-.611	-.383	.229	1.025	.933		
	.45	-.612	-.489	.123	1.025	.976		.45	-.608	-.377	.231	1.024	.931		
	.50	-.574	-.448	.126	1.010	.959		.50	-.599	-.335	.264	1.020	.914		
	.60	-.476	-.145	.331	.971	.839		.60	-.570	-.091	.479	1.008	.817		
	.70	-.344	.105	.448	.918	.737		.70	-.526	.166	.692	.991	.712		
	.75	-.275	.197	.471	.890	.699		.75	-.468	.231	.699	.967	.684		
	.85		.326			.644			.85	-.304			.902		
	.90		.358			.630			.90	-.187	.319	.506	.856	.647	
.95	-.027	.339	.366	.791	.638		.95	-.023	.360	.382	.789	.629			
CHORD 2	.05	-.674	-.319	.354	1.050	.908	CHORD 7	.05	-.658	-.398	.260	1.044	.940		
	.12	-.774	-.508	.266	1.091	.984		.12	-.622	-.390	.232	1.029	.936		
	.20	-.754	-.609	.146	1.083	1.024		.20	-.571	-.396	.175	1.009	.939		
	.30	-.697	-.528	.169	1.060	.991		.30	-.613	-.390	.223	1.025	.936		
	.35	-.674	-.510	.164	1.050	.984		.35	-.602	-.380	.221	1.021	.933		
	.45	-.633	-.505	.127	1.034	.982		.45	-.579	-.375	.204	1.012	.930		
	.50	-.576	-.444	.132	1.011	.958		.50	-.562	-.356	.205	1.005	.923		
	.60	-.482	-.141	.341	.973	.837		.60	-.550	-.136	.414	1.000	.835		
	.70	-.370	.104	.474	.928	.738		.70	-.481	.111	.593	.973	.735		
	.75	-.289	.207	.496	.896	.695		.75	-.399	.203	.602	.940	.696		
	.85	-.170	.345	.516	.849	.635		.85	-.267			.887			
	.90	-.102	.364	.466	.822	.627		.90	-.163	.374	.537	.846	.623		
	.95	-.030	.375	.405	.792	.622		.95	-.047			.799			
	CHORD 3	.05	-.665	-.308	.358	1.047		.904	CHORD 8	.05	-.597	-.321	.276	1.019	.909
		.12	-.813	-.512	.300	1.107		.985		.12	-.576	-.384	.192	1.011	.934
.20		-.769	-.607	.161	1.089	1.023	.20	-.570		-.402	.168	1.008	.941		
.30		-.698	-.533	.164	1.060	.994	.30	-.592		-.399	.193	1.017	.940		
.35		-.679	-.518	.161	1.052	.988	.35	-.588		-.385	.203	1.016	.935		
.45		-.637	-.517	.120	1.035	.987	.45	-.560		-.375	.185	1.004	.931		
.50		-.593	-.436	.157	1.018	.955	.50	-.556		-.348	.208	1.002	.920		
.60		-.502	-.135	.367	.981	.835	.60	-.516		-.128	.388	.987	.832		
.70		-.384	.123	.507	.934	.730	.70	-.443		.115	.550	.954	.733		
.75		-.302	.212	.514	.902	.693	.75	-.350		.208	.559	.921	.694		
.85		-.166	.355	.521	.847	.631	.85	-.308		.306	.614	.904	.652		
.90		-.149	.386	.535	.840	.617	.90	-.166		.344	.510	.847	.636		
.95		-.020	.394	.414	.788	.613	.95	-.031		.355	.385	.793	.631		
CHORD 4		.05	-.666	-.375	.291	1.047	.930	CHORD 9		.05	-.550	-.399	.151	1.000	.940
		.12	-.831	-.526	.305	1.115	.991			.12	-.539	-.397	.141	.996	.939
	.20	-.719	-.552	.166	1.069	1.001	.20		-.498	-.405	.093	.979	.943		
	.30	-.704	-.522	.182	1.063	.989	.30		-.500	-.398	.101	.980	.940		
	.35	-.693	-.509	.185	1.058	.984	.35		-.506	-.387	.119	.983	.935		
	.45	-.670	-.508	.161	1.049	.984	.45		-.475	-.355	.120	.970	.922		
	.50		-.472			.969	.50		-.472	-.328	.143	.969	.912		
	.60	-.281	-.172	.109	.893	.850	.60		-.453	-.114	.339	.962	.827		
	.70	-.494	.132	.626	.978	.726	.70		-.477	.133	.609	.971	.726		
	.75	-.435	.241	.676	.954	.680	.75		-.354	.218	.573	.922	.690		
	.85	-.250	.375	.625	.881	.622	.85		-.244	.298	.542	.878	.656		
	.90	-.153	.421	.573	.842	.602	.90		-.136	.343	.480	.835	.636		
	.95	-.030	.422	.451	.792	.601	.95		.010			.776			
	CHORD 5	.01	.094	.242	.148	.742	.680								
		.03	-.579	-.224	.354	1.012	.871								
.05		-.688	-.394	.294	1.056	.938									
.07		-.620	-.392	.229	1.029	.937									
.12		-.722	-.441	.281	1.070	.957									
.20		-.653	-.456	.197	1.042	.963									
.30		-.668	-.452	.216	1.048	.961									
.35		-.659	-.440	.219	1.044	.956									
.45		-.667	-.432	.235	1.048	.953									
.50		-.653	-.395	.258	1.042	.938									
.60		-.615	-.143	.471	1.026	.838									
.70		-.540	.130	.670	.996	.727									
.75		-.463	.225	.688	.966	.687									
.85		-.303	.338	.640	.902	.639									
.90		-.170	.386	.555	.849	.617									
.95	-.020	.406	.426	.788	.608										

TABLE 5.- Continued

POINT NUMBER 262						MACH = .782 Q = 3.893 KPA						RN = 2.213*10E6 GAMMA = 1.133						H = 15.768 KPA P = 11.229 KPA						ALPHA = 2.119 DEG DELTA6 = .158 DEG						CPSTAR = -.544					
		X/C	CPU	CPL	DCP	MU	ML			X/C	CPU	CPL	DCP	MU	ML			X/C	CPU	CPL	DCP	MU	ML			X/C	CPU	CPL	DCP	MU	ML				
CHORD 1	.01	-.145	.468	.613	.840	.581	CHORD 6	.01	-.558	.478	1.036	1.006	.576																						
	.03	-.718			1.071			.03	-1.023	.179	1.201	1.198	.708																						
	.05	-.989	.135	1.124	1.184	.726		.05	-1.161	.026	1.187	1.260	.771																						
	.07	-.998	.177	.821	1.188	.853		.07	-1.213	-.076	1.137	1.283	.813																						
	.12	-1.083	.302	.781	1.225	.903		.12	-1.163	-.133	1.030	1.260	.836																						
	.20	-1.010	.403	.607	1.193	.944		.20	-1.120	-.176	.944	1.241	.853																						
	.30	-.899	.399	.500	1.146	.942		.30	-.992	-.175	.817	1.185	.852																						
	.35	-.841	.378	.463	1.121	.933		.35	-.900	-.266	.635	1.146	.889																						
	.45	-.720	.375	.344	1.071	.932		.45	-.589	-.278	.311	1.018	.894																						
	.50	-.638	.369	.270	1.038	.930		.50	-.615	-.259	.356	1.029	.886																						
	.60	-.514	.109	.405	.988	.826		.60	-.601	-.072	.529	1.023	.811																						
	.70	-.370	.133	.504	.930	.727		.70	-.515	.175	.691	.988	.709																						
	.75	-.298	.223	.521	.902	.689		.75	-.439	.254	.693	.958	.676																						
	.85		.351			.634			.85	-.277			.893																						
	.90		.378			.622			.90	-.151	.379	.530	.843	.622																					
.95	-.035	.352	.386	.796	.634	.95	-.010	.386	.396	.786	.618																								
CHORD 2	.05	-.981	-.084	.896	1.180	.816	CHORD 7	.05	-1.241	-.026	1.216	1.296	.792																						
	.12	-1.159	-.312	.847	1.259	.907		.12	-1.183	-.139	1.047	1.269	.838																						
	.20	-1.068	-.418	.650	1.218	.949		.20	-1.132	-.201	.931	1.246	.863																						
	.30	-.971	.400	.571	1.176	.942		.30	-.909	-.240	.669	1.150	.878																						
	.35	-.897	-.399	.499	1.145	.942		.35	-.688	-.250	.438	1.058	.882																						
	.45	-.749	-.399	.351	1.083	.942		.45	-.642	-.283	.359	1.040	.896																						
	.50	-.623	.378	.245	1.032	.934		.50	-.626	-.270	.356	1.033	.890																						
	.60	-.525	-.104	.421	.992	.824		.60	-.579	-.093	.486	1.014	.820																						
	.70	-.398	.143	.541	.942	.723		.70	-.482	.136	.618	.975	.726																						
	.75	-.313	.235	.547	.907	.684		.75	-.391	.229	.620	.939	.687																						
	.85	-.184	.376	.560	.856	.623		.85	-.248			.882																							
	.90	-.112	.407	.519	.827	.609		.90	-.147	.404	.551	.841	.610																						
	.95	-.037	.387	.424	.797	.618		.95	-.042			.799																							
	CHORD 3	.05	-1.008	-.078	.930	1.192		.813	CHORD 8	.05	-1.127	.007	1.134	1.244	.779																				
		.12	-1.185	-.305	.879	1.270		.905		.12	-1.162	-.132	1.030	1.260	.835																				
.20		-1.102	-.408	.694	1.233	.946	.20	-1.124		-.211	.913	1.243	.867																						
.30		-.993	-.406	.587	1.186	.945	.30	-.951		-.254	.697	1.168	.884																						
.35		-.889	.404	.485	1.142	.944	.35	-.701		-.258	.443	1.063	.886																						
.45		-.697	-.402	.295	1.062	.943	.45	-.615		-.282	.332	1.029	.895																						
.50		-.617	.374	.242	1.029	.932	.50	-.615		-.276	.339	1.029	.893																						
.60		-.546	-.105	.441	1.001	.824	.60	-.560		-.105	.455	1.006	.824																						
.70		-.410	.153	.564	.946	.719	.70	-.456		.111	.567	.964	.736																						
.75		-.320	.240	.560	.910	.682	.75	-.359		.213	.572	.926	.694																						
.85		-.181	.388	.569	.855	.617	.85	-.291		.344	.635	.899	.637																						
.90		-.151	.413	.564	.843	.606	.90	-.198		.378	.576	.862	.622																						
.95		-.028	.417	.445	.793	.604	.95	-.068		.375	.443	.809	.623																						
CHORD 4		.05	-1.077	-.101	.976	1.222	.823	CHORD 9		.05	-1.204	-.052	1.152	1.279	.803																				
		.12	-1.142	-.296	.846	1.251	.901			.12	-1.139	-.149	.990	1.250	.842																				
	.20	-1.149	-.362	.788	1.254	.927	.20		-.992	-.247	.745	1.185	.881																						
	.30	-1.094	-.372	.722	1.230	.931	.30		-.551	-.245	.306	1.003	.880																						
	.35	-1.028	.371	.657	1.201	.931	.35		-.587	-.275	.312	1.017	.892																						
	.45	-.621	-.404	.218	1.031	.944	.45		-.545	-.284	.262	1.001	.898																						
	.50		.387			.937	.50		-.527	-.281	.246	.993	.895																						
	.60	-.349	-.132	.218	.922	.835	.60		-.490	-.107	.383	.978	.825																						
	.70	-.519	.161	.681	.990	.715	.70		-.477	.127	.604	.973	.729																						
	.75	-.432	.273	.705	.955	.668	.75		-.356	.221	.577	.925	.690																						
	.85	-.253	.410	.664	.884	.607	.85		-.228	.306	.534	.874	.654																						
	.90	-.150	.450	.600	.843	.589	.90		-.117	.355	.472	.829	.632																						
	.95	-.030	.442	.472	.794	.593	.95		.008			.779																							
	CHORD 5	.01	-.238	.505	.744	.878	.563																												
		.03	-1.118	.125	1.244	1.240	.730																												
.05		-1.118	-.056	1.063	1.241	.805																													
.07		-1.119	-.100	1.019	1.241	.822																													
.12		-1.176	-.196	.980	1.266	.861																													
.20		-1.140	-.249	.891	1.250	.882																													
.30		-1.033	-.295	.738	1.203	.900																													
.35		-.986	-.305	.681	1.183	.904																													
.45		-.677	-.331	.346	1.054	.915																													
.50		-.656	-.318	.338	1.045	.910																													
.60		-.635	-.101	.534	1.037	.823																													
.70		-.541	.150	.692	.999	.720																													
.75		-.453	.249	.702	.963	.678																													
.85		-.277	.376	.653	.893	.623																													
.90		-.148	.420	.568	.842	.603																													
.95	-.012	.420	.432	.787	.603																														







TABLE 5.- Continued

POINT NUMBER 272		MACH = .779		RN = 2.213*10E6		H = 15.980 KPA		ALPHA = .001 DEG		CPSTAR = -.556			
		Q = 3.921 KPA		GAMMA = 1.132		P = 11.414 KPA		DELTA6 = -.115 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.101	.286	.185	.737	.659	CHORD 6	.01	-.073	.104	.177	.808	.736
	.03	-.429			.950			.03	-.522	-.200	.322	.987	.859
	.05	-.649	-.103	.546	1.038	.820		.05	-.544	-.349	.195	.995	.918
	.07	-.734	-.392	.342	1.072	.935		.07	-.649	-.402	.247	1.037	.939
	.12	-.790	-.493	.297	1.095	.975		.12	-.632	-.394	.238	1.031	.936
	.20	-.736	-.598	.138	1.073	1.017		.20	-.629	-.384	.245	1.029	.932
	.30	-.667	-.516	.150	1.045	.984		.30	-.617	-.383	.234	1.025	.931
	.35	-.652	-.497	.156	1.039	.977		.35	-.611	-.401	.210	1.022	.938
	.45	-.605	-.511	.094	1.020	.982		.45	-.607	-.383	.225	1.021	.931
	.50	-.566	-.455	.111	1.004	.960		.50	-.599	-.340	.259	1.018	.914
	.60	-.467	-.151	.316	.965	.839		.60	-.570	-.099	.471	1.006	.818
	.70	-.334	.096	.429	.912	.740		.70	-.526	.157	.683	.988	.714
	.75	-.262	.182	.444	.883	.704		.75	-.467	.226	.693	.965	.685
	.85		.316			.647		.85	-.304			.900	
.90		.349			.632	.90	-.189	.310	.499	.854	.649		
.95	-.026	.332	.357	.789	.640	.95	-.024	.352	.376	.788	.631		
CHORD 2	.05	-.671	-.323	.347	1.046	.908	CHORD 7	.05	-.641	-.407	.235	1.034	.941
	.12	-.774	-.510	.264	1.088	.982		.12	-.606	-.395	.212	1.020	.936
	.20	-.757	-.617	.140	1.081	1.025		.20	-.558	-.398	.160	1.001	.937
	.30	-.686	-.530	.156	1.052	.990		.30	-.597	-.388	.209	1.017	.933
	.35	-.669	-.513	.156	1.046	.983		.35	-.588	-.381	.207	1.013	.931
	.45	-.619	-.505	.114	1.025	.980		.45	-.566	-.373	.193	1.004	.927
	.50	-.564	-.447	.117	1.003	.957		.50	-.550	-.351	.199	.998	.919
	.60	-.473	-.143	.329	.967	.836		.60	-.540	-.133	.407	.994	.832
	.70	-.357	.106	.463	.921	.735		.70	-.473	.111	.584	.967	.733
	.75	-.278	.192	.470	.890	.699		.75	-.393	.202	.595	.935	.695
	.85	-.151	.332	.483	.839	.640		.85	-.263			.884	
	.90	-.091	.368	.459	.815	.624		.90	-.161	.370	.531	.843	.623
	.95	-.025	.355	.379	.788	.629		.95	-.047			.797	
	CHORD 3	.05	-.658	-.313	.345	1.041		.904	CHORD 8	.05	-.594	-.352	.242
.12		-.799	-.508	.291	1.098	.981	.12	-.561		-.393	.168	1.002	.935
.20		-.757	-.600	.157	1.081	1.018	.20	-.580		-.412	.168	1.010	.943
.30		-.684	-.529	.155	1.052	.989	.30	-.592		-.404	.188	1.014	.940
.35		-.660	-.516	.144	1.042	.984	.35	-.587		-.393	.194	1.013	.935
.45		-.618	-.505	.113	1.025	.980	.45	-.559		-.382	.177	1.002	.931
.50		-.577	-.442	.135	1.009	.955	.50	-.554		-.354	.201	.999	.920
.60		-.488	-.140	.348	.973	.835	.60	-.515		-.137	.378	.984	.833
.70		-.370	.118	.488	.926	.730	.70	-.436		.105	.541	.952	.735
.75		-.290	.199	.490	.895	.696	.75	-.353		.197	.549	.919	.698
.85		-.152	.338	.490	.840	.637	.85	-.310		.295	.605	.902	.655
.90		-.141	.368	.509	.835	.624	.90	-.169		.333	.502	.846	.639
.95		-.027	.381	.408	.789	.618	.95	-.034		.345	.379	.792	.634
CHORD 4		.05	-.666	-.383	.283	1.044	.931	CHORD 9		.05	-.563	-.410	.152
	.12	-.817	-.531	.286	1.106	.990	.12		-.528	-.397	.131	.989	.937
	.20	-.716	-.561	.156	1.065	1.002	.20		-.491	-.424	.067	.974	.948
	.30	-.688	-.535	.153	1.053	.992	.30		-.492	-.396	.096	.975	.937
	.35	-.680	-.515	.166	1.050	.984	.35		-.496	-.387	.109	.976	.933
	.45	-.659	-.509	.150	1.042	.981	.45		-.467	-.355	.112	.965	.920
	.50		-.471			.966	.50		-.465	-.328	.137	.964	.910
	.60	-.322	-.179	.149	.907	.850	.60		-.448	-.117	.331	.957	.826
	.70	-.483	.123	.606	.971	.728	.70		-.470	.128	.598	.966	.726
	.75	-.424	.231	.655	.948	.683	.75		-.351	.211	.562	.918	.691
	.85	-.246	.365	.611	.877	.625	.85		-.244	.288	.531	.876	.659
	.90	-.151	.411	.562	.839	.604	.90		-.138	.337	.474	.834	.637
	.95	-.030	.414	.444	.791	.603	.95		.006			.776	
	CHORD 5	.01	.105	.234	.130	.736	.681		CHORD 10	.01	-.073	.104	.177
.03		-.568	-.238	.330	1.005	.874	.03	-.522		-.200	.322	.987	.859
.05		-.677	-.409	.268	1.049	.942	.05	-.544		-.349	.195	.995	.918
.07		-.622	-.415	.207	1.027	.944	.07	-.649		-.402	.247	1.037	.939
.12		-.711	-.449	.262	1.063	.958	.12	-.632		-.394	.238	1.031	.936
.20		-.658	-.466	.192	1.041	.964	.20	-.629		-.384	.245	1.029	.932
.30		-.667	-.463	.204	1.045	.963	.30	-.617		-.383	.234	1.025	.931
.35		-.658	-.455	.203	1.041	.960	.35	-.611		-.401	.210	1.022	.938
.45		-.663	-.435	.228	1.043	.952	.45	-.607		-.383	.225	1.021	.931
.50		-.651	-.399	.251	1.038	.938	.50	-.599		-.340	.259	1.018	.914
.60		-.610	-.144	.467	1.022	.836	.60	-.570		-.099	.471	1.006	.818
.70		-.536	.130	.666	.992	.725	.70	-.526		.157	.683	.988	.714
.75		-.458	.222	.679	.961	.687	.75	-.467		.226	.693	.965	.685
.85		-.299	.328	.628	.898	.641	.85	-.304				.900	
.90	-.170	.373	.543	.847	.622	.90	-.189	.310	.499	.854	.649		
.95	-.020	.395	.415	.787	.612	.95	-.024	.352	.376	.788	.631		

TABLE 5.- Continued

POINT NUMBER 273		MACH = .784 Q = 3.960 KPA		RN = 2.222*10E6 GAMMA = 1.133		H = 15.996 KPA P = 11.375 KPA		ALPHA = .001 DEG DELTA6 = -.124 DEG		CPSTAR = -.538					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.102	.285	.183	.742	.664	CHORD 6	.01	-.073	.103	.177	.814	.741		
	.03	-.427			.955			.03	-.519	-.199	.320	.993	.864		
	.05	-.647	-.106	.541	1.044	.827		.05	-.542	-.350	.192	1.001	.925		
	.07	-.734	-.391	.343	1.080	.941		.07	-.646	-.402	.245	1.044	.945		
	.12	-.791	-.493	.297	1.103	.982		.12	-.631	-.392	.239	1.038	.941		
	.20	-.734	-.597	.137	1.080	1.024		.20	-.626	-.384	.243	1.036	.938		
	.30	-.663	-.516	.146	1.051	.991		.30	-.614	-.381	.233	1.031	.937		
	.35	-.651	-.497	.154	1.046	.984		.35	-.609	-.399	.210	1.029	.944		
	.45	-.607	-.514	.093	1.028	.990		.45	-.606	-.381	.225	1.028	.937		
	.50	-.567	-.455	.112	1.012	.967		.50	-.598	-.338	.260	1.024	.920		
	.60	-.467	-.148	.318	.971	.844		.60	-.564	-.088	.476	1.011	.820		
	.70	-.333	.098	.431	.918	.743		.70	-.525	.166	.691	.995	.715		
	.75	-.262	.184	.447	.889	.707		.75	-.466	.228	.695	.971	.689		
	.85		.317			.650		.85	-.302			.906			
	.90		.353			.635		.90	-.185	.313	.498	.858	.652		
.95	-.024	.335	.359	.794	.643	.95	-.019	.356	.375	.791	.633				
CHORD 2	.05	-.667	-.320	.347	1.052	.913	CHORD 7	.05	-.645	-.414	.231	1.043	.950		
	.12	-.775	-.510	.265	1.097	.989		.12	-.610	-.408	.202	1.029	.948		
	.20	-.763	-.623	.141	1.092	1.034		.20	-.563	-.406	.157	1.010	.947		
	.30	-.696	-.536	.159	1.064	.999		.30	-.614	-.407	.207	1.031	.947		
	.35	-.679	-.520	.159	1.057	.993		.35	-.602	-.385	.217	1.026	.939		
	.45	-.631	-.516	.115	1.038	.991		.45	-.582	-.380	.202	1.018	.937		
	.50	-.577	-.454	.123	1.016	.966		.50	-.566	-.360	.206	1.011	.929		
	.60	-.481	-.140	.341	.977	.841		.60	-.550	-.135	.415	1.005	.839		
	.70	-.362	.109	.471	.929	.739		.70	-.480	.110	.591	.977	.738		
	.75	-.278	.197	.475	.896	.702		.75	-.400	.201	.601	.944	.700		
	.85	-.150	.337	.487	.844	.642		.85	-.266			.891			
	.90	-.090	.375	.465	.820	.625		.90	-.160	.373	.534	.849	.626		
	.95	-.023	.362	.385	.793	.631		.95	-.044			.802			
	CHORD 3	.05	-.658	-.301	.357	1.049		.905	CHORD 8	.05	-.589	-.351	.239	1.021	.925
		.12	-.807	-.518	.289	1.110		.992		.12	-.559	-.391	.168	1.008	.941
.20		-.769	-.614	.155	1.094	1.031	.20	-.576		-.412	.164	1.015	.950		
.30		-.707	-.544	.163	1.069	1.002	.30	-.595		-.405	.190	1.023	.947		
.35		-.680	-.532	.149	1.058	.998	.35	-.592		-.392	.200	1.022	.941		
.45		-.637	-.522	.116	1.040	.993	.45	-.563		-.383	.181	1.010	.938		
.50		-.601	-.451	.150	1.025	.965	.50	-.558		-.354	.204	1.008	.926		
.60		-.506	-.142	.364	.987	.841	.60	-.523		-.131	.392	.994	.837		
.70		-.379	.117	.496	.936	.735	.70	-.436		.113	.549	.959	.737		
.75		-.297	.198	.495	.903	.701	.75	-.350		.205	.555	.924	.699		
.85		-.154	.338	.492	.846	.641	.85	-.307		.301	.608	.907	.657		
.90		-.140	.370	.511	.841	.627	.90	-.164		.340	.504	.850	.640		
.95		-.025	.385	.411	.794	.620	.95	-.029		.350	.379	.796	.636		
CHORD 4		.05	-.665	-.369	.296	1.052	.932	CHORD 9		.05	-.567	-.413	.155	1.012	.950
		.12	-.814	-.530	.284	1.113	.997			.12	-.537	-.401	.136	1.000	.945
	.20	-.724	-.565	.160	1.076	1.011	.20		-.490	-.425	.065	.981	.955		
	.30	-.690	-.542	.148	1.062	1.002	.30		-.505	-.398	.108	.987	.944		
	.35	-.684	-.515	.169	1.059	.991	.35		-.506	-.392	.115	.987	.941		
	.45	-.675	-.516	.159	1.055	.991	.45		-.476	-.362	.114	.975	.929		
	.50		-.479			.976	.50		-.475	-.334	.141	.975	.918		
	.60	-.345	-.175	.171	.923	.854	.60		-.456	-.116	.339	.967	.831		
	.70	-.486	.129	.615	.979	.731	.70		-.478	.129	.607	.976	.731		
	.75	-.424	.237	.661	.954	.685	.75		-.357	.211	.568	.927	.696		
	.85	-.244	.371	.615	.882	.627	.85		-.245	.289	.534	.883	.662		
	.90	-.149	.417	.566	.844	.606	.90		-.135	.341	.476	.839	.640		
	.95	-.026	.421	.448	.794	.604	.95		.010			.780			
	CHORD 5	.01	.106	.233	.127	.740	.687								
		.03	-.563	-.238	.325	1.010	.880								
.05		-.675	-.412	.263	1.055	.949									
.07		-.619	-.417	.202	1.033	.951									
.12		-.710	-.448	.261	1.070	.964									
.20		-.656	-.464	.193	1.048	.970									
.30		-.665	-.463	.203	1.052	.970									
.35		-.657	-.454	.203	1.048	.966									
.45		-.663	-.436	.227	1.050	.959									
.50		-.651	-.398	.253	1.046	.944									
.60		-.609	-.142	.466	1.029	.841									
.70		-.535	.131	.667	.999	.730									
.75		-.456	.223	.679	.967	.691									
.85		-.298	.331	.628	.904	.644									
.90		-.168	.376	.545	.852	.624									
.95	-.018	.399	.417	.791	.614										

TABLE 5.- Continued

POINT NUMBER 274      MACH = .782      RN = 2.222\*10E6      H = 16.017 KPA      ALPHA = .001 DEG      CPSTAR = -.544  
                                  Q = 3.953 KPA      GAMMA = 1.133      P = 11.408 KPA      DELTA6 = 3.109 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.092	.296	.204	.744	.658	CHORD 6	.01	-.103	.132	.235	.824	.728
	.03	-.430			.954			.03	-.560	-.171	.388	1.006	.851
	.05	-.660	-.098	.562	1.047	.822		.05	-.576	-.318	.257	1.013	.910
	.07	-.746	-.380	.365	1.082	.934		.07	-.681	-.387	.294	1.055	.937
	.12	-.808	-.480	.328	1.107	.974		.12	-.661	-.374	.287	1.047	.932
	.20	-.769	-.579	.190	1.091	1.014		.20	-.651	-.369	.282	1.043	.930
	.30	-.688	-.492	.196	1.058	.979		.30	-.635	-.367	.268	1.037	.929
	.35	-.690	-.469	.221	1.059	.970		.35	-.627	-.392	.234	1.033	.939
	.45	-.651	-.468	.184	1.043	.969		.45	-.621	-.375	.246	1.031	.932
	.50	-.621	-.405	.216	1.031	.944		.50	-.610	-.333	.276	1.026	.916
	.60	-.535	-.101	.434	.996	.823		.60	-.584	-.088	.496	1.016	.818
	.70	-.423	.151	.574	.952	.720		.70	-.530	.167	.698	.994	.713
	.75	-.377	.243	.620	.933	.681		.75	-.463	.231	.694	.967	.686
	.85		.372			.625		.85	-.305			.904	
	.90		.395			.614		.90	-.185	.317	.502	.856	.649
	.95	-.036	.365	.401	.796	.628		.95	-.019	.357	.377	.790	.631
CHORD 2	.05	-.683	-.307	.376	1.056	.905	CHORD 7	.05	-.677	-.380	.297	1.054	.934
	.12	-.789	-.493	.296	1.099	.979		.12	-.630	-.377	.253	1.035	.933
	.20	-.796	-.595	.201	1.102	1.020		.20	-.576	-.381	.196	1.013	.935
	.30	-.730	-.506	.224	1.075	.985		.30	-.623	-.380	.243	1.032	.934
	.35	-.721	-.485	.236	1.072	.976		.35	-.611	-.374	.237	1.027	.932
	.45	-.679	-.466	.213	1.054	.969		.45	-.586	-.370	.216	1.017	.930
	.50	-.631	-.404	.228	1.035	.944		.50	-.568	-.348	.220	1.010	.921
	.60	-.544	-.097	.447	1.000	.821		.60	-.552	-.129	.423	1.003	.834
	.70	-.444	.153	.597	.960	.719		.70	-.479	.115	.595	.974	.735
	.75	-.378	.240	.617	.933	.682		.75	-.398	.206	.605	.942	.696
	.85	-.230	.375	.605	.874	.623		.85	-.266			.889	
	.90	-.129	.407	.536	.834	.609		.90	-.161	.376	.538	.847	.623
	.95	-.035	.390	.425	.796	.617		.95	-.046			.800	
CHORD 3	.05	-.676	-.293	.383	1.053	.900	CHORD 8	.05	-.621	-.324	.297	1.031	.912
	.12	-.821	-.495	.326	1.113	.980		.12	-.579	-.375	.204	1.014	.932
	.20	-.785	-.579	.206	1.098	1.014		.20	-.600	-.397	.203	1.023	.941
	.30	-.739	-.507	.231	1.079	.985		.30	-.606	-.393	.213	1.025	.939
	.35	-.702	-.491	.211	1.064	.979		.35	-.602	-.384	.218	1.023	.936
	.45	-.683	-.466	.216	1.056	.969		.45	-.572	-.376	.196	1.011	.933
	.50	-.648	-.396	.252	1.042	.941		.50	-.565	-.349	.216	1.008	.922
	.60	-.561	-.097	.464	1.007	.821		.60	-.531	-.131	.400	.995	.835
	.70	-.450	.155	.605	.962	.718		.70	-.438	.111	.549	.958	.736
	.75	-.358	.232	.590	.926	.686		.75	-.352	.203	.555	.923	.698
	.85	-.208	.354	.562	.865	.632		.85	-.308	.301	.609	.906	.656
	.90	-.176	.380	.556	.853	.621		.90	-.166	.340	.506	.849	.639
	.95	-.034	.391	.425	.796	.616		.95	-.030	.350	.381	.794	.634
CHORD 4	.05	-.694	-.358	.336	1.061	.925	CHORD 9	.05	-.589	-.394	.196	1.018	.940
	.12	-.838	-.501	.336	1.120	.983		.12	-.552	-.392	.160	1.003	.939
	.20	-.754	-.531	.223	1.085	.995		.20	-.503	-.407	.097	.984	.945
	.30	-.719	-.501	.219	1.071	.982		.30	-.507	-.392	.115	.985	.939
	.35	-.726	-.478	.247	1.074	.974		.35	-.512	-.385	.128	.987	.936
	.45	-.723	-.477	.245	1.072	.973		.45	-.482	-.354	.127	.975	.924
	.50		-.443			.960		.50	-.473	-.327	.146	.971	.913
	.60	-.379	-.157	.221	.934	.845		.60	-.455	-.114	.340	.964	.828
	.70	-.524	.139	.663	.992	.725		.70	-.475	.130	.604	.972	.728
	.75	-.443	.244	.687	.959	.680		.75	-.353	.214	.567	.923	.693
	.85	-.260	.375	.635	.886	.623		.85	-.243	.291	.534	.879	.660
	.90	-.160	.420	.580	.847	.603		.90	-.134	.342	.476	.836	.638
	.95	-.035	.422	.457	.796	.602		.95	.011			.777	
CHORD 5	.01	.078	.259	.181	.750	.674							
	.03	-.609	-.201	.408	1.026	.863							
	.05	-.719	-.374	.345	1.071	.932							
	.07	-.662	-.373	.288	1.047	.932							
	.12	-.739	-.425	.314	1.079	.952							
	.20	-.686	-.443	.243	1.057	.960							
	.30	-.700	-.443	.257	1.063	.960							
	.35	-.687	-.430	.257	1.058	.954							
	.45	-.692	-.423	.269	1.060	.952							
	.50	-.679	-.391	.287	1.054	.939							
	.60	-.627	-.137	.490	1.033	.837							
	.70	-.540	.134	.674	.998	.727							
	.75	-.459	.226	.686	.966	.688							
	.85	-.300	.336	.636	.903	.641							
	.90	-.169	.380	.549	.850	.621							
	.95	-.020	.400	.420	.790	.612							

TABLE 5.- Continued

POINT NUMBER 286 MACH = .781 RN = 2.223\*10E6 H = 16.089 KPA ALPHA = .001 DEG CPSTAR = -.549  
 Q = 3.960 KPA GAMMA = 1.132 P = 11.474 KPA DELTA6 = 2.972 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.088	.292	.204	.744	.659	CHORD 6	.01	.102	.125	.227	.822	.729		
	.03	.436			.955			.03	.555	.178	.378	1.002	.852		
	.05	.663	.125	.539	1.046	.831		.05	.572	.325	.247	1.009	.910		
	.07	.747	.381	.366	1.080	.933		.07	.673	.390	.283	1.050	.937		
	.12	.801	.478	.323	1.102	.971		.12	.649	.375	.274	1.040	.930		
	.20	.746	.574	.172	1.079	1.010		.20	.641	.367	.273	1.037	.927		
	.30	.682	.490	.191	1.053	.976		.30	.623	.365	.258	1.030	.926		
	.35	.674	.469	.205	1.050	.968		.35	.615	.391	.225	1.027	.937		
	.45	.638	.468	.170	1.036	.967		.45	.610	.372	.237	1.024	.929		
	.50	.604	.408	.196	1.022	.944		.50	.600	.332	.268	1.020	.913		
	.60	.520	.104	.416	.988	.822		.60	.576	.087	.488	1.011	.816		
	.70	.402	.148	.550	.941	.720		.70	.525	.169	.694	.990	.711		
	.75	.344	.236	.580	.918	.683		.75	.465	.235	.700	.966	.683		
	.85		.369			.625		.85	.305			.903			
	.90		.394			.613		.90	.187	.321	.508	.856	.646		
.95	.044	.362	.406	.798	.628	.95	.021	.361	.382	.789	.628				
CHORD 2	.05	.686	.310	.376	1.055	.905	CHORD 7	.05	.673	.374	.299	1.050	.930		
	.12	.791	.495	.295	1.098	.978		.12	.630	.380	.249	1.032	.933		
	.20	.779	.597	.182	1.093	1.019		.20	.576	.389	.187	1.011	.936		
	.30	.718	.510	.208	1.068	.984		.30	.618	.387	.231	1.028	.935		
	.35	.703	.488	.215	1.062	.976		.35	.605	.376	.229	1.022	.931		
	.45	.662	.472	.190	1.046	.969		.45	.581	.371	.209	1.013	.929		
	.50	.614	.410	.204	1.026	.944		.50	.563	.350	.213	1.006	.921		
	.60	.532	.102	.430	.993	.821		.60	.550	.130	.419	1.000	.833		
	.70	.427	.148	.575	.951	.720		.70	.480	.115	.594	.972	.733		
	.75	.354	.232	.586	.922	.684		.75	.400	.206	.606	.940	.695		
	.85	.204	.368	.571	.862	.625		.85	.267			.888			
	.90	.117	.401	.518	.827	.610		.90	.162	.378	.540	.846	.621		
	.95	.041	.378	.419	.797	.621		.95	.045			.799			
	CHORD 3	.05	.681	.304	.378	1.053		.902	CHORD 8	.05	.612	.321	.291	1.025	.909
		.12	.827	.500	.327	1.113		.980		.12	.573	.375	.198	1.009	.930
.20		.788	.587	.201	1.097	1.015	.20	.593		.396	.197	1.017	.939		
.30		.721	.510	.211	1.069	.984	.30	.601		.393	.208	1.021	.938		
.35		.699	.492	.208	1.061	.977	.35	.595		.383	.212	1.018	.934		
.45		.666	.470	.196	1.047	.968	.45	.567		.375	.192	1.007	.930		
.50		.632	.401	.232	1.033	.941	.50	.560		.348	.213	1.004	.920		
.60		.549	.102	.447	1.000	.821	.60	.525		.129	.396	.990	.832		
.70		.434	.148	.582	.954	.719	.70	.437		.114	.551	.955	.734		
.75		.344	.222	.567	.918	.688	.75	.353		.207	.559	.921	.695		
.85		.199	.341	.541	.860	.637	.85	.311		.303	.614	.905	.653		
.90		.174	.366	.539	.850	.626	.90	.166		.344	.510	.847	.636		
.95		.043	.385	.428	.798	.618	.95	.032		.353	.385	.793	.632		
CHORD 4		.05	.694	.373	.321	1.058	.930	CHORD 9		.05	.583	.391	.192	1.014	.937
		.12	.839	.505	.334	1.118	.982			.12	.548	.391	.157	1.000	.937
	.20	.745	.534	.211	1.079	.994	.20		.504	.414	.090	.982	.946		
	.30	.716	.510	.206	1.067	.984	.30		.505	.391	.114	.982	.937		
	.35	.711	.483	.228	1.065	.974	.35		.507	.382	.124	.983	.933		
	.45	.707	.483	.224	1.064	.973	.45		.478	.353	.125	.971	.922		
	.50		.447			.959	.50		.471	.325	.147	.969	.910		
	.60	.399	.162	.237	.940	.845	.60		.454	.113	.341	.962	.826		
	.70	.518	.136	.654	.988	.725	.70		.475	.132	.607	.970	.726		
	.75	.439	.243	.681	.956	.680	.75		.354	.216	.570	.922	.691		
	.85	.262	.374	.635	.885	.623	.85		.244	.296	.539	.878	.657		
	.90	.162	.420	.583	.846	.602	.90		.135	.347	.481	.835	.635		
	.95	.038	.422	.460	.796	.601	.95		.011			.776			
	CHORD 5	.01	.078	.253	.175	.748	.675								
		.03	.605	.209	.396	1.022	.864								
.05		.713	.379	.334	1.066	.932									
.07		.645	.379	.266	1.038	.932									
.12		.735	.427	.308	1.075	.951									
.20		.675	.442	.233	1.051	.957									
.30		.683	.442	.241	1.054	.957									
.35		.673	.428	.244	1.050	.952									
.45		.679	.423	.255	1.052	.950									
.50		.664	.393	.271	1.046	.938									
.60		.616	.139	.477	1.027	.837									
.70		.537	.132	.668	.995	.726									
.75		.457	.226	.683	.963	.687									
.85		.298	.336	.633	.900	.639									
.90		.168	.380	.548	.848	.620									
.95	.019	.400	.419	.788	.611										

TABLE 5.- Continued

POINT NUMBER 288		MACH = .779		RN = 2.223*10E6		H = 16.089 KPA		ALPHA = .001 DEG		CPSTAR = -.557					
		Q = 3.946 KPA		GAMMA = 1.132		P = 11.495 KPA		DELTA6 = 6.087 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.083	.299	.216	.744	.654	CHORD 6	.01	-.127	.149	.277	.829	.717		
	.03	-.451			.958			.03	-.589	-.154	.435	1.013	.840		
	.05	-.673	-.097	.576	1.047	.817		.05	-.599	-.297	.302	1.017	.897		
	.07	-.757	-.358	.399	1.081	.921		.07	-.703	-.372	.331	1.059	.927		
	.12	-.817	-.466	.351	1.106	.964		.12	-.678	-.360	.317	1.049	.922		
	.20	-.777	-.557	.220	1.089	1.000		.20	-.663	-.357	.305	1.043	.921		
	.30	-.703	-.470	.233	1.059	.965		.30	-.643	-.356	.286	1.035	.920		
	.35	-.709	-.443	.265	1.061	.955		.35	-.634	-.374	.259	1.031	.928		
	.45	-.680	-.430	.250	1.050	.950		.45	-.625	-.370	.255	1.027	.926		
	.50	-.653	-.366	.287	1.039	.924		.50	-.615	-.332	.282	1.023	.911		
	.60	-.581	-.062	.519	1.010	.803		.60	-.588	-.092	.496	1.012	.815		
	.70	-.485	.192	.678	.972	.699		.70	-.533	.165	.698	.991	.710		
	.75	-.455	.281	.735	.959	.661		.75	-.464	.231	.695	.963	.683		
	.85		.410			.605		.85	-.312			.903			
	.90		.429			.596		.90	-.191	.323	.513	.855	.643		
	.95	-.038	.386	.424	.793	.615		.95	-.026	.357	.382	.789	.628		
	CHORD 2	.05	-.696	-.294	.402	1.056		.896	CHORD 7	.05	-.696	-.369	.328	1.056	.925
.12		-.797	-.476	.321	1.097	.968	.12	-.642		-.365	.277	1.034	.924		
.20		-.795	-.568	.227	1.097	1.005	.20	-.584		-.371	.213	1.011	.926		
.30		-.739	-.479	.260	1.074	.969	.30	-.627		-.377	.250	1.028	.929		
.35		-.732	-.456	.276	1.071	.960	.35	-.613		-.364	.249	1.023	.924		
.45		-.700	-.427	.274	1.058	.948	.45	-.588		-.365	.223	1.013	.924		
.50		-.660	-.362	.298	1.041	.923	.50	-.570		-.347	.223	1.005	.917		
.60		-.593	-.060	.533	1.014	.802	.60	-.552		-.129	.422	.998	.830		
.70		-.502	.187	.689	.978	.701	.70	-.480		.114	.594	.969	.731		
.75		-.451	.268	.720	.958	.667	.75	-.400		.206	.606	.938	.693		
.85		-.265	.399	.664	.884	.609	.85	-.267				.885			
.90		-.138	.425	.563	.834	.598	.90	-.162		.376	.539	.843	.620		
.95		-.029	.395	.424	.790	.611	.95	-.046				.797			
CHORD 3		.05	-.692	-.278	.414	1.054	.889	CHORD 8		.05	-.641	-.306	.336	1.034	.900
		.12	-.834	-.474	.360	1.112	.967			.12	-.592	-.363	.229	1.014	.923
		.20	-.797	-.556	.241	1.097	1.000			.20	-.609	-.396	.214	1.021	.936
		.30	-.757	-.481	.275	1.081	.970			.30	-.610	-.395	.216	1.022	.936
	.35	-.723	-.460	.263	1.067	.962	.35		-.605	-.378	.228	1.019	.929		
	.45	-.710	-.429	.281	1.062	.949	.45		-.574	-.370	.203	1.007	.926		
	.50	-.687	-.362	.324	1.052	.923	.50		-.566	-.345	.221	1.004	.916		
	.60	-.606	-.064	.542	1.020	.804	.60		-.532	-.131	.401	.990	.831		
	.70	-.505	.178	.683	.979	.705	.70		-.440	.110	.550	.954	.733		
	.75	-.420	.246	.666	.946	.676	.75		-.356	.202	.558	.920	.695		
	.85	-.244	.346	.590	.876	.633	.85		-.313	.301	.614	.903	.653		
	.90	-.200	.363	.563	.858	.625	.90		-.170	.341	.511	.846	.635		
	.95	-.052	.383	.436	.799	.617	.95		-.036	.350	.386	.793	.631		
	CHORD 4	.05	-.712	-.334	.378	1.063	.912		CHORD 9	.05	-.606	-.383	.223	1.020	.931
		.12	-.854	-.479	.375	1.121	.969			.12	-.561	-.385	.176	1.002	.932
		.20	-.764	-.492	.272	1.084	.974			.20	-.509	-.403	.105	.981	.939
		.30	-.734	-.466	.269	1.072	.964			.30	-.515	-.392	.123	.983	.934
.35		-.743	-.452	.291	1.075	.958	.35	-.515		-.378	.137	.983	.929		
.45		-.746	-.447	.299	1.076	.956	.45	-.486		-.352	.134	.972	.919		
.50			-.415			.944	.50	-.478		-.326	.152	.969	.908		
.60		-.425	-.147	.279	.948	.837	.60	-.465		-.115	.350	.963	.824		
.70		-.548	.142	.689	.996	.720	.70	-.479		.128	.607	.969	.726		
.75		-.460	.245	.705	.962	.677	.75	-.357		.212	.569	.921	.691		
.85		-.273	.374	.647	.887	.621	.85	-.247		.291	.538	.877	.657		
.90		-.172	.418	.590	.847	.601	.90	-.138		.342	.480	.834	.635		
.95		-.044	.421	.465	.796	.600	.95	.007				.775			
CHORD 5		.01	.055	.276	.221	.756	.664								
		.03	-.645	-.177	.467	1.035	.849								
		.05	-.749	-.360	.389	1.078	.922								
		.07	-.685	-.359	.326	1.051	.921								
	.12	-.760	-.404	.355	1.082	.939									
	.20	-.712	-.421	.291	1.062	.946									
	.30	-.718	-.425	.293	1.065	.948									
	.35	-.704	-.414	.290	1.059	.943									
	.45	-.710	-.414	.296	1.062	.943									
	.50	-.691	-.381	.311	1.054	.930									
	.60	-.634	-.139	.495	1.031	.834									
	.70	-.542	.129	.671	.994	.725									
	.75	-.461	.223	.683	.962	.686									
	.85	-.303	.332	.634	.899	.639									
	.90	-.170	.377	.547	.847	.619									
	.95	-.022	.394	.417	.787	.612									

TABLE 5.- Continued

POINT NUMBER 292		MACH = .777		RN = 2.224*10E6		H = 16.105 KPA		ALPHA = .001 DEG		CPSTAR = -.563			
		Q = 3.937 KPA		GAMMA = 1.132		P = 11.525 KPA		DELTA6 = 6.082 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	.081	.300	.220	.744	.651	CHORD 6	.01	-.125	.145	.270	.826	.717
	.03	-.456			.957			.03	-.584	-.158	.426	1.008	.839
	.05	-.676	-.110	.566	1.045	.821		.05	-.594	-.301	.293	1.012	.896
	.07	-.762	-.366	.395	1.080	.922		.07	-.697	-.374	.323	1.054	.925
	.12	-.818	-.469	.349	1.103	.963		.12	-.669	-.361	.308	1.042	.920
	.20	-.768	-.560	.208	1.082	.999		.20	-.656	-.357	.299	1.037	.918
	.30	-.701	-.472	.229	1.055	.964		.30	-.634	-.355	.280	1.028	.917
	.35	-.699	-.447	.253	1.055	.954		.35	-.627	-.355	.272	1.026	.918
	.45	-.672	-.435	.237	1.043	.949		.45	-.619	-.369	.251	1.022	.923
	.50	-.641	-.371	.270	1.031	.924		.50	-.609	-.330	.278	1.018	.908
	.60	-.566	-.063	.503	1.001	.801		.60	-.583	-.089	.494	1.008	.812
	.70	-.455	.192	.648	.957	.697		.70	-.529	.171	.700	.986	.706
	.75	-.404	.278	.682	.937	.661		.75	-.464	.237	.702	.961	.678
	.85		.412			.602		.85	-.309			.899	
	.90		.433			.593		.90	-.189	.325	.515	.852	.641
	.95	-.091	.384	.474	.813	.615		.95	-.022	.363	.385	.785	.624
CHORD 2	.05	.700	.298	.402	1.055	.895	CHORD 7	.05	-.695	-.367	.328	1.053	.922
	.12	-.805	-.483	.321	1.097	.968		.12	-.644	-.368	.275	1.032	.923
	.20	-.798	-.576	.222	1.095	1.005		.20	-.585	-.376	.209	1.009	.926
	.30	-.738	-.486	.252	1.070	.969		.30	-.625	-.378	.247	1.025	.927
	.35	-.728	-.462	.266	1.066	.960		.35	-.612	-.366	.247	1.020	.922
	.45	-.692	-.434	.258	1.052	.949		.45	-.584	-.365	.219	1.008	.921
	.50	-.646	-.368	.279	1.033	.923		.50	-.566	-.346	.220	1.001	.914
	.60	-.575	-.063	.512	1.005	.802		.60	-.552	-.129	.423	.995	.828
	.70	-.471	.183	.655	.963	.701		.70	-.481	.117	.598	.967	.729
	.75	-.407	.260	.667	.938	.669		.75	-.400	.208	.608	.935	.691
	.85	-.240	.394	.634	.872	.610		.85	-.268			.883	
	.90	-.158	.422	.580	.840	.598		.90	-.163	.379	.543	.842	.617
	.95	-.087	.386	.473	.811	.614		.95	-.046			.795	
CHORD 3	.05	-.697	-.282	.415	1.054	.889	CHORD 8	.05	-.636	-.311	.325	1.029	.900
	.12	-.840	-.481	.358	1.112	.968		.12	-.589	-.365	.225	1.010	.921
	.20	-.797	-.562	.235	1.094	1.000		.20	-.607	-.393	.214	1.018	.933
	.30	-.737	-.483	.254	1.070	.968		.30	-.610	-.393	.217	1.019	.933
	.35	-.716	-.463	.252	1.061	.960		.35	-.604	-.378	.226	1.016	.927
	.45	-.690	-.430	.260	1.051	.947		.45	-.573	-.371	.202	1.004	.924
	.50	-.661	-.365	.296	1.039	.921		.50	-.566	-.345	.220	1.001	.914
	.60	-.582	-.067	.515	1.008	.803		.60	-.531	-.129	.402	.987	.828
	.70	-.475	.173	.648	.965	.705		.70	-.440	.113	.593	.951	.730
	.75	-.386	.237	.623	.930	.678		.75	-.356	.206	.561	.918	.692
	.85	-.234	.330	.563	.870	.639		.85	-.312	.306	.618	.900	.649
	.90	-.207	.350	.557	.859	.630		.90	-.168	.346	.514	.844	.632
	.95	-.069	.379	.448	.804	.617		.95	-.034	.355	.388	.790	.628
CHORD 4	.05	-.715	-.358	.356	1.061	.919	CHORD 9	.05	-.600	-.382	.218	1.015	.928
	.12	-.856	-.481	.375	1.119	.967		.12	-.558	-.388	.170	.998	.931
	.20	-.768	-.499	.269	1.082	.975		.20	-.508	-.421	.087	.978	.944
	.30	-.737	-.476	.261	1.070	.965		.30	-.510	-.391	.120	.979	.932
	.35	-.738	-.463	.274	1.070	.960		.35	-.512	-.379	.134	.980	.927
	.45	-.738	-.458	.280	1.070	.958		.45	-.482	-.349	.133	.968	.915
	.50		-.424			.945		.50	-.473	-.323	.150	.964	.905
	.60	-.421	-.151	.271	.944	.837		.60	-.462	-.112	.349	.960	.821
	.70	-.543	.140	.682	.992	.719		.70	-.475	.133	.607	.965	.722
	.75	-.461	.244	.705	.959	.676		.75	-.354	.217	.570	.917	.687
	.85	-.274	.376	.650	.886	.618		.85	-.244	.297	.541	.874	.653
	.90	-.173	.421	.594	.846	.598		.90	-.135	.348	.483	.831	.631
	.95	-.046	.422	.469	.795	.598		.95	.010			.772	
CHORD 5	.01	.058	.272	.214	.753	.664							
	.03	-.639	-.182	.457	1.030	.849							
	.05	-.743	-.365	.378	1.072	.921							
	.07	-.679	-.363	.316	1.046	.921							
	.12	-.756	-.407	.349	1.077	.938							
	.20	-.704	-.424	.280	1.056	.945							
	.30	-.707	-.429	.278	1.058	.947							
	.35	-.694	-.414	.280	1.053	.941							
	.45	-.700	-.414	.286	1.055	.941							
	.50	-.684	-.382	.302	1.048	.928							
	.60	-.630	-.138	.491	1.026	.832							
	.70	-.543	.132	.675	.992	.722							
	.75	-.461	.227	.689	.960	.683							
	.85	-.303	.339	.642	.897	.635							
	.90	-.174	.383	.557	.846	.615							
	.95	-.024	.402	.426	.786	.607							





TABLE 5.- Continued

POINT NUMBER *05		MACH = .784		RN = 2.229*10E6		H = 16.134 KPA		ALPHA = -.001 DEG		CPSTAR = -.538					
		Q = 3.997 KPA		GAMMA = 1.134		P = 11.476 KPA		DELTA9 = 3.031 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	.104	.270	.167	.741	.671	CHORD 6	.01	-.101	.132	.232	.825	.729		
	.03	-.400			.945			.03	-.570	-.169	.401	1.013	.852		
	.05	-.642	-.257	.385	1.042	.888		.05	-.564	-.311	.253	1.011	.909		
	.07	-.734	-.401	.334	1.080	.945		.07	-.681	-.382	.299	1.058	.938		
	.12	-.788	-.498	.289	1.102	.984		.12	-.659	-.360	.299	1.049	.929		
	.20	-.743	-.600	.143	1.084	1.025		.20	-.653	-.354	.300	1.047	.926		
	.30	-.668	-.518	.150	1.053	.992		.30	-.647	-.353	.294	1.044	.926		
	.35	-.659	-.499	.160	1.049	.984		.35	-.646	-.363	.283	1.044	.930		
	.45	-.609	-.496	.113	1.029	.983		.45	-.656	-.321	.335	1.048	.913		
	.50	-.571	-.452	.120	1.014	.965		.50	-.655	-.272	.383	1.048	.894		
	.60	-.474	-.151	.323	.974	.845		.60	-.650	-.028	.622	1.045	.795		
	.70	-.342	.095	.437	.921	.745		.70	-.642	.217	.859	1.042	.694		
	.75	-.275	.184	.459	.894	.707		.75	-.608	.269	.877	1.028	.671		
	.85		.312			.652		.85	-.364			.930			
	.90		.343			.639		.90	-.148	.363	.511	.844	.630		
.95	-.034	.327	.360	.797	.646	.95	.015	.396	.381	.777	.615				
CHORD 2	.05	-.669	-.326	.343	1.053	.915	CHORD 7	.05	-.678	-.356	.322	1.057	.927		
	.12	-.766	-.503	.263	1.093	.986		.12	-.631	-.350	.281	1.038	.925		
	.20	-.756	-.610	.145	1.089	1.029		.20	-.581	-.371	.210	1.017	.933		
	.30	-.696	-.533	.164	1.064	.998		.30	-.652	-.352	.300	1.046	.926		
	.35	-.672	-.515	.157	1.055	.991		.35	-.641	-.341	.300	1.042	.921		
	.45	-.630	-.512	.118	1.038	.990		.45	-.640	-.333	.307	1.041	.918		
	.50	-.584	-.447	.137	1.019	.963		.50	-.624	-.296	.328	1.035	.903		
	.60	-.490	-.153	.336	.981	.846		.60	-.612	-.076	.536	1.030	.815		
	.70	-.368	.072	.441	.932	.754		.70	-.574	.161	.735	1.015	.717		
	.75	-.286	.188	.474	.899	.706		.75	-.474	.246	.721	.974	.681		
	.85	-.169	.323	.492	.852	.648		.85	-.279			.896			
	.90	-.100	.372	.472	.824	.626		.90	-.142	.397	.539	.841	.615		
	.95	-.027	.371	.398	.795	.627		.95	-.048			.803			
	CHORD 3	.05	-.656	-.319	.337	1.048		.912	CHORD 8	.05	-.634	-.312	.322	1.039	.909
		.12	-.800	-.510	.290	1.107		.989		.12	-.588	-.347	.241	1.020	.924
.20		-.761	-.610	.152	1.091	1.029	.20	-.618		-.374	.244	1.032	.934		
.30		-.710	-.538	.172	1.070	1.000	.30	-.635		-.362	.273	1.039	.929		
.35		-.673	-.518	.154	1.055	.992	.35	-.637		-.357	.280	1.040	.927		
.45		-.643	-.514	.128	1.042	.990	.45	-.614		-.354	.261	1.031	.926		
.50		-.602	-.444	.158	1.026	.962	.50	-.609		-.303	.307	1.029	.906		
.60		-.507	-.140	.368	.988	.840	.60	-.581		-.091	.490	1.018	.821		
.70		-.386	.120	.506	.939	.734	.70	-.489		.139	.627	.980	.727		
.75		-.301	.203	.504	.905	.699	.75	-.386		.217	.603	.939	.693		
.85		-.165	.347	.511	.850	.637	.85	-.325		.296	.621	.915	.660		
.90		-.147	.377	.523	.843	.624	.90	-.170		.323	.493	.853	.648		
.95		-.020	.381	.400	.792	.622	.95	-.037		.342	.380	.799	.639		
CHORD 4		.05	-.668	-.394	.274	1.053	.942	CHORD 9		.05	-.617	-.386	.231	1.032	.939
		.12	-.820	-.521	.299	1.116	.993			.12	-.571	-.371	.200	1.013	.933
	.20	-.714	-.540	.174	1.072	1.001	.20		-.513	-.415	.099	.990	.951		
	.30	-.695	-.515	.180	1.064	.991	.30		-.527	-.380	.147	.995	.937		
	.35	-.689	-.498	.191	1.061	.984	.35		-.524	-.366	.158	.995	.931		
	.45	-.665	-.496	.168	1.052	.983	.45		-.494	-.344	.150	.982	.922		
	.50		-.463		.970	.970	.50		-.486	-.321	.165	.979	.913		
	.60	-.520	-.185	.335	.993	.859	.60		-.460	-.106	.354	.969	.827		
	.70	-.489	.117	.605	.980	.736	.70		-.478	.136	.614	.976	.728		
	.75	-.432	.230	.662	.957	.688	.75		-.352	.222	.574	.926	.692		
	.85	-.244	.360	.604	.882	.632	.85		-.237	.300	.537	.879	.658		
	.90	-.146	.415	.561	.843	.607	.90		-.129	.351	.480	.836	.635		
	.95	-.023	.412	.435	.793	.608	.95		.014			.778			
	CHORD 5	.01	.096	.241	.145	.744	.683								
		.03	-.576	-.225	.351	1.015	.874								
.05		-.691	-.397	.294	1.062	.943									
.07		-.629	-.403	.226	1.037	.946									
.12		-.715	-.441	.274	1.072	.961									
.20		-.651	-.448	.203	1.046	.964									
.30		-.671	-.446	.225	1.054	.963									
.35		-.655	-.430	.225	1.048	.957									
.45		-.671	-.417	.254	1.054	.952									
.50		-.659	-.381	.278	1.049	.937									
.60		-.620	-.126	.495	1.033	.835									
.70		-.550	.145	.694	1.005	.724									
.75		-.469	.234	.703	.972	.686									
.85		-.305	.336	.641	.907	.642									
.90		-.164	.379	.543	.850	.623									
.95	-.010	.397	.406	.788	.615										

TABLE 5.- Continued

POINT NUMBER #09		MACH = .780		RN = 2.217*10E6		H = 15.623 KPA		ALPHA = 2.049 DEG		CPSTAR = -.550					
		Q = 3.844 KPA		GAMMA = 1.133		P = 11.144 KPA		DELTA6 = .141 DEG							
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.155	.458	.613	.842	.584	CHORD 6	.01	-.566	.479	1.045	1.006	.575		
	.03	-.730			1.073			.03	-1.046	.178	1.224	1.205	.707		
	.05	-.995	-.055	.940	1.183	.802		.05	-1.157	.025	1.182	1.254	.770		
	.07	-1.007	-.184	.823	1.188	.854		.07	-1.210	-.079	1.131	1.278	.812		
	.12	-1.076	-.306	.771	1.218	.903		.12	-1.165	-.136	1.029	1.258	.835		
	.20	-.996	-.417	.579	1.184	.947		.20	-1.075	-.174	.901	1.218	.850		
	.30	-.872	-.388	.484	1.131	.935		.30	-.931	-.213	.718	1.156	.865		
	.35	-.804	-.383	.421	1.103	.933		.35	-.750	-.263	.487	1.081	.885		
	.45	-.682	-.372	.311	1.053	.929		.45	-.635	-.272	.363	1.034	.889		
	.50	-.618	-.371	.247	1.027	.929		.50	-.633	-.252	.381	1.033	.881		
	.60	-.501	-.114	.387	.980	.826		.60	-.603	-.083	.520	1.021	.814		
	.70	-.359	.122	.481	.924	.730		.70	-.498	.155	.653	.979	.716		
	.75	-.284	.210	.494	.894	.693		.75	-.426	.253	.679	.951	.675		
	.85		.332		.641			.85	-.273			.889			
	.90	-.065	.360	.425	.807	.629		.90	-.144	.381	.525	.838	.619		
.95	-.039	.338	.377	.796	.638	.95	-.009	.389	.398	.784	.616				
CHORD 2	.05	-.981	-.088	.893	1.177	.816	CHORD 7	.05	-1.228	-.022	1.206	1.286	.789		
	.12	-1.154	-.307	.846	1.253	.903		.12	-1.167	-.134	1.033	1.258	.834		
	.20	-1.051	-.417	.634	1.207	.947		.20	-1.098	-.198	.900	1.228	.860		
	.30	-.932	-.400	.533	1.157	.940		.30	-.792	-.236	.556	1.098	.875		
	.35	-.833	-.396	.437	1.115	.938		.35	-.650	-.245	.405	1.040	.878		
	.45	-.700	-.414	.286	1.060	.946		.45	-.658	-.279	.379	1.043	.892		
	.50	-.622	-.379	.243	1.029	.932		.50	-.627	-.266	.362	1.031	.887		
	.60	-.524	-.107	.416	.989	.823		.60	-.566	-.088	.478	1.006	.816		
	.70	-.393	.134	.528	.937	.725		.70	-.474	.137	.611	.969	.724		
	.75	-.300	.225	.525	.900	.687		.75	-.382	.228	.610	.933	.685		
	.85	-.177	.363	.541	.851	.627		.85	-.241			.877			
	.90	-.107	.397	.503	.823	.612		.90	-.041	1.228	1.269	.797	.000		
	.95	-.036	.395	.431	.795	.613		.95	-.000			.780			
	CHORD 3	.05	-1.012	-.078	.934	1.191		.812	CHORD 8	.05	-1.118	.011	1.129	1.237	.776
		.12	-1.179	-.293	.886	1.264		.898		.12	-1.159	-.124	1.035	1.255	.830
.20		-1.089	-.416	.673	1.224	.946	.20	-1.060		-.200	.861	1.212	.860		
.30		-.976	-.410	.565	1.175	.944	.30	-.690		-.244	.447	1.056	.878		
.35		-.870	-.401	.469	1.130	.941	.35	-.630		-.246	.384	1.032	.879		
.45		-.667	-.416	.251	1.047	.946	.45	-.624		-.269	.355	1.030	.888		
.50		-.624	-.381	.243	1.030	.932	.50	-.602		-.264	.338	1.021	.886		
.60		-.539	-.108	.431	.996	.824	.60	-.542		-.094	.448	.997	.818		
.70		-.402	.146	.548	.941	.720	.70	-.426		.121	.547	.950	.730		
.75		-.313	.231	.545	.906	.684	.75	-.353		.224	.577	.921	.687		
.85		-.176	.377	.553	.851	.621	.85	-.284		.348	.632	.894	.634		
.90		-.030	.402	.433	.792	.610	.90	-.149		.390	.539	.840	.615		
.95		.000	-.000	-.000	.780	.780	.95	-.037		.385	.422	.795	.617		
CHORD 4		.05	-1.081	-.121	.960	1.221	.829	CHORD 9		.05	-1.194	-.042	1.152	1.270	.797
		.12	-1.129	-.290	.839	1.242	.896			.12	-1.111	-.135	.976	1.234	.835
	.20	-1.139	-.354	.785	1.246	.922	.20		-.891	-.235	.657	1.139	.874		
	.30	-1.039	-.363	.676	1.202	.925	.30		-.570	-.256	.315	1.008	.883		
	.35	-.944	-.363	.581	1.162	.925	.35		-.588	-.261	.327	1.015	.885		
	.45	-.627	-.392	.236	1.031	.937	.45		-.534	-.267	.267	.994	.887		
	.50		-.377			.931	.50		-.509	-.264	.245	.983	.886		
	.60	-.582	-.129	.453	1.013	.832	.60		-.480	-.110	.370	.972	.824		
	.70	-.512	.156	.668	.985	.716	.70		-.462	.139	.601	.965	.723		
	.75	-.439	.267	.706	.956	.669	.75		-.352	.234	.586	.921	.683		
	.85	-.246	.405	.650	.879	.609	.85		-.226	.318	.544	.871	.647		
	.90	-.146	.447	.593	.839	.589	.90		.006	.000	-.006	.778	.780		
	.95	-.028	.440	.468	.792	.593	.95		-.000			.780			
	CHORD 5	.01	-.249	.501	.750	.880	.564		BALANCE DATA						
		.03	-1.123	.121	1.245	1.239	.730								
.05		-1.121	-.060	1.061	1.238	.804									
.07		-1.115	-.103	1.012	1.235	.822									
.12		-1.167	-.197	.970	1.258	.859									
.20		-1.123	-.248	.876	1.239	.879									
.30		-.966	-.292	.674	1.171	.897									
.35		-.828	-.302	.526	1.113	.901									
.45		-.710	-.326	.384	1.064	.910									
.50		-.702	-.312	.390	1.061	.905									
.60		-.640	-.099	.540	1.036	.820									
.70		-.534	.150	.684	.993	.718									
.75		-.452	.247	.699	.961	.678									
.85		-.267	.369	.635	.887	.625									
.90		-.135	.409	.544	.835	.606									
.95	-.008	.407	.415	.783	.608										
COEFFICIENT OF LIFT															
DRAG															
PITCH															
ROLL															
YAW															
.522															
.011															
-2.272															
-2.558															
.077															

TABLE 5.- Continued

POINT NUMBER #10		MACH = .781 Q = 3.863 KPA		RN = 2.216*10E6 GAMMA = 1.132		H = 15.695 KPA P = 11.194 KPA		ALPHA = 2.049 DEG DELTA6 = 12.069 DEG		CPSTAR = -.549					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.171	.485	.656	.849	.572	CHORD 6	.01	-.617	.517	1.134	1.027	.557		
	.03	-.746			1.080			.03	-1.084	.223	1.307	1.222	.688		
	.05	-1.019	-.011	1.008	1.194	.785		.05	-1.194	.070	1.265	1.271	.752		
	.07	-1.027	-.147	.880	1.198	.840		.07	-1.266	-.036	1.230	1.304	.795		
	.12	-1.107	-.264	.843	1.232	.886		.12	-1.228	-.103	1.125	1.286	.822		
	.20	-1.031	-.367	.665	1.199	.927		.20	-1.217	-.144	1.074	1.282	.838		
	.30	-.941	-.326	.615	1.161	.911		.30	-1.153	-.153	1.000	1.253	.842		
	.35	-.904	-.312	.592	1.145	.905		.35	-1.100	-.237	.864	1.229	.875		
	.45	-.868	-.303	.565	1.130	.902		.45	-.988	-.250	.739	1.181	.880		
	.50	-.839	-.241	.598	1.118	.877		.50	-.617	-.233	.384	1.027	.874		
	.60	-.645	.040	.685	1.039	.764		.60	-.509	-.053	.456	.984	.802		
	.70	-.516	.277	.793	.987	.665		.70	-.493	.185	.679	.978	.704		
	.75	-.454	.362	.816	.962	.628		.75	-.432	.263	.694	.953	.671		
	.85		.494			.568		.85	-.299			.900			
	.90	-.202	.489	.691	.861	.570		.90	-.176	.391	.566	.851	.615		
.95	-.206	.408	.614	.863	.607	.95	-.028	.397	.426	.792	.612				
CHORD 2	.05	-1.024	-.050	.974	1.196	.800	CHORD 7	.05	-1.272	.015	1.286	1.307	.774		
	.12	-1.178	-.266	.911	1.264	.887		.12	-1.246	-.099	1.147	1.295	.820		
	.20	-1.096	-.366	.730	1.227	.927		.20	-1.208	-.167	1.041	1.278	.848		
	.30	-1.011	-.319	.692	1.190	.908		.30	-1.156	-.209	.947	1.254	.864		
	.35	-.957	-.304	.653	1.167	.902		.35	-1.094	-.219	.875	1.227	.868		
	.45	-.924	-.289	.635	1.153	.896		.45	-.598	-.254	.344	1.020	.882		
	.50	-.881	-.238	.643	1.135	.876		.50	-.527	-.242	.286	.991	.877		
	.60	-.632	.033	.666	1.033	.767		.60	-.529	-.073	.456	.992	.810		
	.70	-.531	.260	.791	.993	.672		.70	-.464	.148	.612	.966	.720		
	.75	-.454	.332	.787	.962	.641		.75	-.386	.237	.623	.935	.682		
	.85	-.271	.441	.712	.889	.592		.85	-.248			.880			
	.90	-.236	.437	.673	.875	.594		.90	-.148	.402	.550	.840	.610		
	.95	-.211	.432	.642	.865	.596		.95	-.045			.799			
	CHORD 3	.05	-1.041	-.043	.999	1.204		.798	CHORD 8	.05	-1.155	.045	1.200	1.254	.762
		.12	-1.202	-.247	.955	1.275		.880		.12	-1.225	-.099	1.126	1.285	.820
.20		-1.152	-.357	.795	1.252	.923	.20	-1.189		-.177	1.013	1.269	.852		
.30		-1.051	-.351	.700	1.208	.921	.30	-1.157		-.223	.934	1.255	.870		
.35		-.986	-.319	.667	1.180	.908	.35	-1.065		-.228	.836	1.214	.872		
.45		-.938	-.302	.637	1.159	.901	.45	-.535		-.255	.280	.994	.882		
.50		-.909	-.253	.656	1.147	.882	.50	-.501		-.250	.252	.981	.881		
.60		-.628	.016	.643	1.031	.774	.60	-.511		-.086	.425	.985	.815		
.70		-.532	.235	.767	.993	.683	.70	-.423		.124	.547	.949	.730		
.75		-.439	.282	.721	.956	.663	.75	-.355		.224	.579	.923	.688		
.85		-.284	.306	.590	.894	.652	.85	-.302		.354	.656	.902	.631		
.90		-.271	.308	.579	.889	.651	.90	-.162		.390	.552	.846	.616		
.95		-.140	.349	.489	.837	.634	.95	-.040		.384	.424	.796	.618		
CHORD 4		.05	-1.116	-.070	1.046	1.236	.809	CHORD 9		.05	-1.244	-.007	1.237	1.294	.783
		.12	-1.176	-.236	.940	1.263	.875			.12	-1.208	-.114	1.094	1.277	.826
	.20	-1.176	-.292	.884	1.263	.897	.20		-1.135	-.217	.918	1.245	.868		
	.30	-1.151	-.307	.844	1.252	.903	.30		-.653	-.245	.408	1.042	.879		
	.35	-1.093	-.309	.784	1.226	.904	.35		-.469	-.251	.217	.968	.881		
	.45	-1.010	-.331	.679	1.190	.913	.45		-.501	-.261	.239	.981	.885		
	.50		-.321			.909	.50		-.493	-.258	.235	.977	.884		
	.60	-.599	-.089	.510	1.020	.816	.60		-.476	-.108	.367	.970	.824		
	.70	-.586	.175	.761	1.015	.708	.70		-.476	.123	.598	.971	.730		
	.75	-.481	.277	.758	.973	.665	.75		-.362	.228	.590	.925	.686		
	.85	-.290	.410	.700	.897	.606	.85		-.237	.313	.550	.876	.649		
	.90	-.185	.450	.635	.855	.588	.90		-.130	.361	.491	.833	.628		
	.95	-.059	.443	.501	.804	.591	.95		-.003			.781			
	CHORD 5	.01	-.279	.536	.815	.892	.548		BALANCE DATA						
		.03	-1.146	.170	1.317	1.250	.710								
.05		-1.170	-.006	1.164	1.260	.783									
.07		-1.176	-.055	1.121	1.263	.803									
.12		-1.218	-.153	1.065	1.282	.842									
.20		-1.198	-.207	.992	1.273	.863									
.30		-1.156	-.255	.901	1.254	.883									
.35		-1.130	-.266	.864	1.243	.887									
.45		-1.112	-.293	.819	1.234	.898									
.50		-1.048	-.281	.766	1.206	.893									
.60		-.486	-.077	.409	.975	.811									
.70		-.519	.165	.683	.988	.712									
.75		-.461	.260	.721	.965	.672									
.85		-.302	.382	.685	.902	.619									
.90		-.169	.424	.592	.848	.600									
.95	-.026	.421	.448	.791	.601										
												COEFFICIENT OF LIFT	.627		
												DRAG	.020		
												PITCH	-2.505		
												ROLL	-2.942		
												YAW	.093		











TABLE 5.- Continued

POINT NUMBER 415 MACH = .780 RN = 2.210\*10E6 H = 15.772 KPA ALPHA = 2.0\*9 DEG CPSTAR = -.553  
 U = 3.875 KPA GAMMA = 1.132 P = 11.259 KPA DELTA6 = 2.015 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.148	.471	.619	.839	.578	CHORD 6	.01	-.564	.492	1.056	1.005	.568
	.03	-.726			1.070			.03	-1.045	.190	1.236	1.204	.701
	.05	-.997	-.046	.950	1.183	.798		.05	-1.161	.039	1.200	1.254	.763
	.07	-1.009	-.177	.831	1.188	.851		.07	-1.215	-.068	1.148	1.279	.807
	.12	-1.088	-.298	.790	1.222	.899		.12	-1.184	-.127	1.057	1.264	.830
	.20	-1.017	-.412	.605	1.191	.944		.20	-1.151	-.168	.983	1.250	.847
	.30	-.916	-.380	.536	1.148	.931		.30	-1.043	-.172	.870	1.202	.849
	.35	-.863	-.373	.489	1.126	.929		.35	-.974	-.257	.716	1.173	.882
	.45	-.775	-.383	.391	1.090	.932		.45	-.581	-.268	.313	1.011	.887
	.50	-.675	-.350	.325	1.049	.919		.50	-.563	-.250	.313	1.004	.880
	.60	-.544	-.086	.458	.996	.814		.60	-.584	-.070	.514	1.013	.807
	.70	-.443	.157	.570	.944	.715		.70	-.511	.174	.685	.983	.708
	.75	-.350	.249	.599	.919	.676		.75	-.438	.257	.695	.954	.673
	.85		.370			.624		.85	-.288			.895	
	.90	-.087	.389	.475	.814	.615		.90	-.157	.362	.519	.843	.627
	.95	-.043	.357	.400	.797	.629		.95	-.013	.362	.375	.785	.627
CHORD 2	.05	-.990	-.082	.908	1.180	.813	CHORD 7	.05	-1.239	-.019	1.220	1.289	.787
	.12	-1.162	-.304	.858	1.255	.901		.12	-1.194	-.124	1.070	1.269	.829
	.20	-1.068	-.411	.657	1.213	.943		.20	-1.143	-.190	.953	1.246	.856
	.30	-.965	-.388	.577	1.169	.934		.30	-.973	-.230	.743	1.172	.872
	.35	-.889	-.383	.506	1.137	.932		.35	-.723	-.241	.482	1.069	.876
	.45	-.765	-.392	.373	1.086	.936		.45	-.629	-.275	.354	1.030	.889
	.50	-.652	-.353	.299	1.040	.920		.50	-.618	-.261	.357	1.026	.884
	.60	-.558	-.081	.477	1.002	.812		.60	-.570	-.085	.485	1.007	.814
	.70	-.433	.163	.596	.952	.712		.70	-.480	.139	.619	.971	.722
	.75	-.352	.252	.604	.920	.675		.75	-.387	.231	.618	.934	.684
	.85	-.215	.378	.593	.866	.620		.85	-.245			.878	
	.90	-.126	.374	.500	.830	.622		.90	-.145	.400	.545	.838	.610
	.95	-.040	.376	.416	.796	.621		.95	-.043			.797	
CHORD 3	.05	-1.016	-.056	.960	1.191	.802	CHORD 8	.05	-1.129	.021	1.150	1.240	.771
	.12	-1.183	-.293	.891	1.264	.897		.12	-1.179	-.123	1.056	1.262	.829
	.20	-1.106	-.404	.702	1.230	.941		.20	-1.135	-.200	.935	1.243	.860
	.30	-1.005	-.399	.606	1.186	.939		.30	-.989	-.245	.745	1.180	.877
	.35	-.907	-.386	.521	1.145	.933		.35	-.670	-.248	.421	1.047	.879
	.45	-.748	-.384	.364	1.079	.933		.45	-.599	-.272	.327	1.018	.888
	.50	-.631	-.354	.277	1.031	.921		.50	-.595	-.266	.329	1.017	.886
	.60	-.571	-.082	.489	1.007	.812		.60	-.547	-.098	.449	.998	.819
	.70	-.442	.167	.609	.956	.711		.70	-.438	.118	.555	.954	.731
	.75	-.346	.250	.596	.918	.676		.75	-.357	.219	.576	.922	.689
	.85	-.201	.383	.584	.860	.618		.85	-.291	.348	.639	.896	.633
	.90	-.161	.404	.566	.844	.608		.90	-.154	.383	.538	.841	.618
	.95	-.036	.402	.438	.794	.609		.95	-.037	.379	.416	.795	.620
CHORD 4	.05	-1.087	-.113	.974	1.222	.825	CHORD 9	.05	-1.210	-.031	1.179	1.276	.792
	.12	-1.140	-.283	.857	1.245	.893		.12	-1.153	-.134	1.019	1.251	.833
	.20	-1.156	-.345	.811	1.252	.917		.20	-1.008	-.235	.773	1.188	.874
	.30	-1.088	-.350	.738	1.222	.919		.30	-.531	-.259	.272	.991	.883
	.35	-1.028	-.351	.676	1.196	.920		.35	-.567	-.267	.300	1.006	.886
	.45	-.630	-.381	.250	1.031	.931		.45	-.530	-.278	.252	.991	.891
	.50		-.365			.925		.50	-.525	-.273	.252	.989	.889
	.60	-.624	-.119	.504	1.028	.828		.60	-.486	-.101	.385	.973	.820
	.70	-.530	.163	.693	.991	.712		.70	-.459	.132	.591	.963	.725
	.75	-.444	.271	.715	.957	.667		.75	-.355	.226	.581	.921	.686
	.85	-.256	.407	.663	.882	.607		.85	-.228	.310	.538	.871	.650
	.90	-.154	.447	.601	.841	.589		.90	-.118	.358	.477	.827	.629
	.95	-.033	.442	.475	.793	.591		.95	.003			.778	

BALANCE DATA

COEFFICIENT OF LIFT .547  
 DRAG .013  
 PITCH =2.298  
 ROLL =2.618  
 YAW .082

TABLE 5.- Continued

POINT NUMBER \*16      MACH = .780      RN = 2.210\*10E6      H = 15.786 KPA      ALPHA = 2.049 DEG      CPSTAR = -.551  
 Q = 3.882 KPA      GAMMA = 1.132      P = 11.263 KPA      DELTA6 = .004 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.150	.464	.613	.840	.582	CHORD 6	.01	-.552	.479	1.031	1.001	.575
	.03	-.725			1.070			.03	-1.035	.179	1.214	1.200	.706
	.05	-.990	-.054	.936	1.181	.802		.05	-1.150	.027	1.177	1.250	.769
	.07	-1.001	-.184	.817	1.186	.854		.07	-1.201	-.079	1.122	1.274	.812
	.12	-1.078	-.306	.772	1.219	.902		.12	-1.155	-.135	1.020	1.253	.835
	.20	-1.002	-.420	.582	1.186	.948		.20	-1.102	-.175	.927	1.230	.851
	.30	-.891	-.390	.501	1.139	.936		.30	-.975	-.174	.801	1.174	.850
	.35	-.831	-.382	.449	1.114	.933		.35	-.895	-.264	.631	1.141	.886
	.45	-.703	-.408	.295	1.061	.943		.45	-.584	-.274	.310	1.014	.890
	.50	-.629	-.369	.261	1.032	.927		.50	-.618	-.266	.351	1.027	.887
	.60	-.507	-.114	.393	.982	.826		.60	-.598	-.081	.517	1.019	.813
	.70	-.365	.124	.489	.926	.729		.70	-.512	.174	.687	.985	.708
	.75	-.290	.213	.503	.896	.692		.75	-.430	.252	.682	.952	.675
	.85		.336			.639		.85	-.279			.892	
	.90	-.070	.362	.432	.808	.627		.90	-.148	.361	.509	.840	.628
	.95	-.041	.338	.379	.797	.638		.95	-.011	.356	.367	.784	.630
CHORD 2	.05	-.983	-.091	.892	1.178	.817	CHORD 7	.05	-1.224	-.026	1.197	1.284	.791
	.12	-1.156	-.304	.852	1.253	.902		.12	-1.172	-.133	1.039	1.261	.834
	.20	-1.055	-.419	.636	1.209	.948		.20	-1.108	-.197	.910	1.232	.859
	.30	-.936	-.399	.538	1.158	.939		.30	-.854	-.235	.619	1.124	.874
	.35	-.840	-.396	.444	1.118	.938		.35	-.662	-.245	.417	1.045	.878
	.45	-.698	-.413	.286	1.060	.945		.45	-.646	-.279	.367	1.038	.892
	.50	-.619	-.377	.242	1.027	.931		.50	-.628	-.266	.361	1.031	.887
	.60	-.523	-.106	.417	.989	.823		.60	-.571	-.090	.481	1.008	.816
	.70	-.388	.126	.514	.935	.728		.70	-.480	.135	.615	.972	.725
	.75	-.300	.221	.521	.900	.689		.75	-.385	.228	.613	.934	.686
	.85	-.177	.352	.529	.851	.632		.85	-.244			.878	
	.90	-.107	.398	.505	.823	.612		.90	-.144	.398	.542	.838	.612
	.95	-.036	.395	.431	.795	.613		.95	-.044			.798	
CHORD 3	.05	-1.009	-.076	.934	1.189	.811	CHORD 8	.05	-1.118	.005	1.123	1.237	.778
	.12	-1.178	-.286	.892	1.263	.895		.12	-1.167	-.127	1.041	1.258	.831
	.20	-1.088	-.414	.674	1.223	.945		.20	-1.094	-.208	.885	1.226	.864
	.30	-.975	-.399	.576	1.175	.940		.30	-.751	-.251	.500	1.081	.881
	.35	-.876	-.401	.475	1.133	.940		.35	-.628	-.253	.375	1.031	.882
	.45	-.681	-.417	.264	1.053	.947		.45	-.4617	-.277	.340	1.027	.891
	.50	-.618	-.383	.235	1.027	.933		.50	-.598	-.270	.328	1.019	.888
	.60	-.542	-.108	.434	.997	.823		.60	-.547	-.100	.447	.999	.820
	.70	-.406	.146	.551	.942	.720		.70	-.429	.116	.545	.952	.732
	.75	-.316	.232	.548	.906	.684		.75	-.352	.219	.571	.921	.689
	.85	-.178	.377	.555	.852	.621		.85	-.286	.347	.632	.894	.634
	.90	-.152	.402	.554	.841	.610		.90	-.150	.383	.532	.840	.618
	.95	-.033	.397	.430	.793	.612		.95	-.036	.378	.414	.795	.621
CHORD 4	.05	-1.084	-.124	.960	1.222	.830	CHORD 9	.05	-1.191	-.037	1.154	1.269	.795
	.12	-1.133	-.295	.837	1.243	.898		.12	-1.130	-.142	.988	1.242	.837
	.20	-1.143	-.352	.791	1.248	.921		.20	-.936	-.241	.695	1.158	.877
	.30	-1.050	-.364	.685	1.207	.926		.30	-.562	-.262	.301	1.005	.885
	.35	-.971	-.365	.606	1.173	.926		.35	-.580	-.268	.312	1.012	.887
	.45	-.618	-.397	.221	1.027	.939		.45	-.527	-.279	.247	.991	.892
	.50		-.381			.932		.50	-.522	-.276	.246	.989	.891
	.60	-.585	-.130	.455	1.014	.832		.60	-.474	-.104	.371	.970	.822
	.70	-.511	.157	.668	.984	.715		.70	-.459	.129	.588	.963	.727
	.75	-.439	.268	.707	.955	.669		.75	-.354	.225	.579	.922	.687
	.85	-.246	.405	.650	.879	.608		.85	-.227	.309	.536	.871	.651
	.90	-.146	.446	.592	.839	.590		.90	-.118	.357	.475	.828	.630
	.95	-.027	.440	.467	.791	.593		.95	.002			.779	
CHORD 5	.01	-.237	.502	.739	.875	.564	B A L A N C E   D A T A						
	.03	-1.110	.120	1.230	1.233	.731	COEFFICIENT OF LIFT      .518						
	.05	-1.108	-.059	1.050	1.232	.804	DRAG                              .011						
	.07	-1.111	-.104	1.007	1.233	.822	PITCH                            -2.217						
	.12	-1.163	-.198	.965	1.257	.860	ROLL                              -2.500						
	.20	-1.130	-.249	.881	1.242	.880	YAW                                .080						
	.30	-1.024	-.295	.728	1.195	.898							
	.35	-.962	-.304	.659	1.169	.902							
	.45	-.675	-.330	.346	1.050	.912							
	.50	-.674	-.317	.357	1.050	.907							
	.60	-.639	-.101	.538	1.035	.821							
	.70	-.542	.150	.691	.996	.718							
	.75	-.453	.248	.700	.961	.677							
	.85	-.273	.369	.641	.889	.625							
	.90	-.140	.408	.548	.836	.607							
	.95	-.009	.406	.415	.784	.608							

TABLE 5.- Continued

POINT NUMBER 417 MACH = .779 RN = 2.199\*10E6 H = 15.798 KPA ALPHA = 2.049 DEG CPSTAR = -.556  
 Q = 3.875 KPA GAMMA = 1.132 P = 11.287 KPA DELTA6 = -2.015 DEG

						BALANCE DATA							
						COEFFICIENT OF							
X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.144	.459	.603	.836	.583	CHORD 6	.01	-.529	.470	.999	.989	.578
	.03	-.721			1.067			.03	-1.023	.166	1.188	1.192	.710
	.05	-.986	-.064	.923	1.177	.804		.05	-1.134	.014	1.148	1.240	.773
	.07	-1.001	-.194	.808	1.183	.856		.07	-1.186	-.093	1.093	1.264	.816
	.12	-1.071	-.315	.757	1.213	.904		.12	-1.134	-.143	.991	1.240	.836
	.20	-.988	-.430	.558	1.177	.950		.20	-1.036	-.183	.853	1.198	.852
	.30	-.864	-.399	.464	1.125	.938		.30	-.906	-.180	.727	1.143	.851
	.35	-.794	-.399	.395	1.096	.937		.35	-.774	-.270	.504	1.088	.887
	.45	-.659	-.431	.228	1.041	.950		.45	-.634	-.279	.354	1.031	.890
	.50	-.594	-.399	.195	1.015	.938		.50	-.637	-.260	.376	1.032	.883
	.60	-.470	-.141	.329	.966	.835		.60	-.599	-.071	.528	1.017	.807
	.70	-.319	.092	.411	.906	.741		.70	-.507	.175	.682	.980	.707
	.75	-.228	.176	.404	.870	.706		.75	-.435	.252	.687	.952	.674
	.85		.303			.652		.85	-.275			.889	
	.90	-.048	.339	.387	.798	.637		.90	-.143	.356	.500	.836	.629
	.95	-.035	.323	.358	.793	.644		.95	-.008	.374	.382	.782	.621
CHORD 2	.05	-.973	-.099	.874	1.171	.818	CHORD 7	.05	-1.214	-.042	1.172	1.276	.795
	.12	-1.149	-.318	.832	1.247	.905		.12	-1.150	-.143	1.007	1.247	.836
	.20	-1.045	-.441	.604	1.202	.954		.20	-1.054	-.206	.848	1.205	.861
	.30	-.912	-.416	.496	1.145	.944		.30	-.723	-.243	.480	1.067	.876
	.35	-.796	-.415	.381	1.097	.944		.35	-.670	-.251	.419	1.046	.879
	.45	-.660	-.438	.222	1.042	.953		.45	-.670	-.284	.386	1.046	.892
	.50	-.597	-.405	.192	1.016	.940		.50	-.629	-.270	.359	1.029	.887
	.60	-.489	-.134	.355	.973	.832		.60	-.566	-.092	.474	1.004	.816
	.70	-.344	.107	.451	.916	.735		.70	-.474	.134	.608	.967	.724
	.75	-.248	.197	.445	.878	.697		.75	-.383	.225	.607	.931	.686
	.85	-.136	.337	.473	.833	.637		.85	-.243			.876	
	.90	-.090	.376	.466	.815	.620		.90	-.144	.394	.538	.836	.612
	.95	-.032	.374	.407	.791	.621		.95	-.045			.797	
CHORD 3	.05	-1.004	-.069	.935	1.184	.806	CHORD 8	.05	-1.107	-.006	1.101	1.229	.781
	.12	-1.171	-.297	.875	1.257	.897		.12	-1.140	-.138	1.002	1.243	.834
	.20	-1.067	-.426	.641	1.211	.948		.20	-1.027	-.215	.811	1.194	.865
	.30	-.927	-.413	.514	1.151	.943		.30	-.670	-.258	.412	1.046	.882
	.35	-.806	-.416	.390	1.101	.944		.35	-.652	-.260	.392	1.039	.883
	.45	-.636	-.439	.197	1.032	.953		.45	-.634	-.282	.352	1.031	.891
	.50	-.608	-.407	.201	1.021	.941		.50	-.610	-.275	.335	1.022	.889
	.60	-.504	-.132	.372	.979	.832		.60	-.545	-.104	.441	.996	.820
	.70	-.362	.123	.486	.923	.728		.70	-.431	.112	.543	.950	.733
	.75	-.274	.211	.484	.888	.692		.75	-.353	.215	.567	.919	.690
	.85	-.148	.363	.511	.838	.626		.85	-.284	.338	.621	.892	.637
	.90	-.136	.391	.528	.833	.613		.90	-.149	.379	.528	.838	.619
	.95	-.030	.388	.418	.791	.615		.95	-.037	.374	.411	.793	.621
CHORD 4	.05	-1.071	-.136	.936	1.213	.833	CHORD 9	.05	-1.180	-.047	1.133	1.261	.797
	.12	-1.125	-.308	.817	1.236	.901		.12	-1.079	-.149	.930	1.216	.838
	.20	-1.138	-.362	.776	1.242	.923		.20	-.840	-.248	.593	1.115	.878
	.30	-1.017	-.382	.636	1.190	.931		.30	-.598	-.267	.331	1.017	.885
	.35	-.845	-.382	.463	1.117	.931		.35	-.598	-.272	.326	1.017	.887
	.45	-.651	-.415	.236	1.038	.944		.45	-.532	-.282	.250	.991	.891
	.50		-.399			.937		.50	-.513	-.278	.235	.983	.890
	.60	-.562	-.143	.419	1.002	.836		.60	-.478	-.103	.374	.969	.820
	.70	-.496	.148	.644	.976	.718		.70	-.465	.130	.596	.964	.725
	.75	-.427	.261	.688	.949	.670		.75	-.353	.223	.576	.919	.686
	.85	-.239	.399	.638	.874	.610		.85	-.229	.307	.535	.870	.650
	.90	-.141	.441	.582	.835	.591		.90	-.119	.353	.472	.826	.630
	.95	-.025	.435	.460	.789	.594		.95	.001			.778	
CHORD 5	.01	-.226	.493	.719	.869	.567							
	.03	-1.102	.107	1.209	1.226	.735							
	.05	-1.090	-.074	1.016	1.221	.808							
	.07	-1.094	-.119	.975	1.223	.826							
	.12	-1.145	-.210	.935	1.245	.862							
	.20	-1.090	-.260	.830	1.221	.882							
	.30	-.943	-.305	.638	1.158	.900							
	.35	-.797	-.313	.484	1.097	.903							
	.45	-.709	-.338	.371	1.062	.914							
	.50	-.706	-.325	.381	1.060	.908							
	.60	-.642	-.105	.537	1.034	.821							
	.70	-.531	.148	.679	.990	.718							
	.75	-.448	.245	.692	.957	.677							
	.85	-.265	.366	.630	.884	.625							
	.90	-.135	.406	.541	.833	.607							
	.95	-.009	.405	.414	.782	.607							

TABLE 5.- Continued

POINT NUMBER \*18 MACH = .771 RN = 2.187\*10E6 H = 15.782 KPA ALPHA = 2.049 DEG CPSTAR = -.583  
 Q = 3.819 KPA GAMMA = 1.132 P = 11.349 KPA DELTA6 =-4.005 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	+.153	+.455	+.608	+.832	+.578	CHORD 6	.01	+.532	+.459	+.992	+.980	+.577
	.03	+.730			1.059			.03	-1.027	+.154	1.181	1.180	+.708
	.05	+.988	+.070	+.918	1.164	+.799		.05	-1.130	+.004	1.134	1.224	+.769
	.07	-1.004	+.201	+.802	1.170	+.851		.07	-1.166	-.101	1.065	1.239	+.811
	.12	-1.056	+.322	+.735	1.192	+.898		.12	-1.066	-.147	+.919	1.197	+.829
	.20	+.954	+.440	+.514	1.149	+.944		.20	+.950	+.188	+.763	1.148	+.845
	.30	+.813	+.410	+.403	1.092	+.932		.30	+.779	+.186	+.592	1.078	+.845
	.35	+.710	+.404	+.306	1.050	+.930		.35	+.698	-.275	+.423	1.046	+.880
	.45	+.616	+.452	+.165	1.013	+.949		.45	+.647	-.285	+.363	1.026	+.883
	.50	+.555	+.421	+.134	+.989	+.937		.50	+.638	-.265	+.374	1.022	+.875
	.60	+.426	+.172	+.254	+.939	+.839		.60	+.590	-.088	+.503	1.003	+.806
	.70	+.263	+.056	+.319	+.875	+.748		.70	+.498	+.168	+.666	+.967	+.702
	.75	+.161	+.135	+.296	+.835	+.716		.75	+.426	+.251	+.677	+.939	+.668
	.85		+.267			+.661		.85	+.270			+.878	
	.90	+.017	+.312	+.329	+.778	+.642		.90	+.140	+.333	+.473	+.826	+.632
	.95	+.024	+.306	+.331	+.780	+.644		.95	+.006	+.383	+.389	+.773	+.611
CHORD 2	.05	+.971	+.107	+.864	1.157	+.813	CHORD 7	.05	-1.208	-.051	1.157	1.258	+.791
	.12	-1.145	+.323	+.823	1.230	+.898		.12	-1.121	-.150	+.971	1.220	+.830
	.20	-1.027	+.452	+.575	1.180	+.949		.20	+.931	-.213	+.718	1.140	+.855
	.30	+.845	+.433	+.412	1.105	+.941		.30	+.715	-.249	+.466	1.052	+.869
	.35	+.720	+.433	+.287	1.055	+.941		.35	+.711	-.257	+.454	1.051	+.872
	.45	+.627	+.466	+.161	1.018	+.954		.45	+.671	-.290	+.381	1.035	+.885
	.50	+.572	+.437	+.135	+.996	+.943		.50	+.627	-.275	+.352	1.018	+.880
	.60	+.450	+.165	+.285	+.948	+.836		.60	+.561	-.093	+.468	+.991	+.808
	.70	+.297	+.076	+.373	+.888	+.740		.70	+.473	+.136	+.609	+.957	+.716
	.75	+.191	+.165	+.356	+.846	+.704		.75	+.381	+.231	+.612	+.921	+.676
	.85	+.089	+.307	+.396	+.806	+.644		.85	+.239			+.865	
	.90	+.066	+.352	+.418	+.797	+.624		.90	+.140	+.403	+.543	+.826	+.602
	.95	+.023	+.351	+.374	+.780	+.625		.95	+.040			+.787	
CHORD 3	.05	-1.004	+.074	+.930	1.170	+.800	CHORD 8	.05	-1.110	-.014	1.096	1.215	+.776
	.12	-1.172	+.314	+.858	1.242	+.895		.12	-1.093	-.145	+.948	1.208	+.828
	.20	-1.046	+.440	+.606	1.188	+.944		.20	+.913	-.219	+.694	1.133	+.858
	.30	+.857	+.433	+.424	1.110	+.941		.30	+.697	-.263	+.434	1.045	+.875
	.35	+.719	+.441	+.278	1.054	+.944		.35	+.697	-.265	+.432	1.045	+.875
	.45	+.628	+.470	+.158	1.018	+.956		.45	+.643	-.287	+.356	1.024	+.884
	.50	+.587	+.442	+.145	1.002	+.945		.50	+.599	-.280	+.319	1.006	+.881
	.60	+.471	+.162	+.309	+.956	+.835		.60	+.543	-.107	+.436	+.984	+.813
	.70	+.325	+.100	+.425	+.899	+.730		.70	+.426	+.112	+.538	+.938	+.726
	.75	+.227	+.192	+.419	+.861	+.692		.75	+.353	+.216	+.569	+.910	+.682
	.85	+.108	+.356	+.464	+.814	+.623		.85	+.282	+.337	+.619	+.882	+.631
	.90	+.106	+.390	+.496	+.813	+.608		.90	+.148	+.381	+.529	+.830	+.612
	.95	+.018	+.390	+.408	+.778	+.608		.95	+.037	+.376	+.413	+.785	+.614
CHORD 4	.05	-1.074	+.146	+.928	1.200	+.829	CHORD 9	.05	-1.162	-.047	1.116	1.238	+.789
	.12	-1.119	+.318	+.801	1.219	+.896		.12	+.998	-.154	+.844	1.168	+.832
	.20	-1.115	+.371	+.744	1.217	+.917		.20	+.751	-.252	+.499	1.067	+.870
	.30	+.914	+.400	+.514	1.133	+.928		.30	+.604	-.270	+.334	1.008	+.878
	.35	+.593	+.403	+.190	1.004	+.930		.35	+.595	-.275	+.320	1.005	+.879
	.45	+.699	+.438	+.262	1.046	+.943		.45	+.534	-.285	+.250	+.981	+.883
	.50		+.421			+.937		.50	+.506	-.280	+.226	+.970	+.881
	.60	+.533	+.159	+.375	+.981	+.834		.60	+.480	-.102	+.378	+.960	+.811
	.70	+.473	+.140	+.613	+.957	+.714		.70	+.462	+.134	+.596	+.953	+.717
	.75	+.407	+.257	+.664	+.931	+.665		.75	+.351	+.231	+.582	+.909	+.676
	.85	+.227	+.399	+.626	+.861	+.604		.85	+.225	+.316	+.541	+.860	+.640
	.90	+.132	+.441	+.573	+.823	+.585		.90	+.116	+.363	+.479	+.817	+.620
	.95	+.020	+.435	+.455	+.779	+.588		.95	+.006			+.768	
CHORD 5	.01	+.230	+.485	+.715	+.862	+.565							
	.03	-1.115	+.096	1.211	1.217	+.732							
	.05	-1.075	+.083	+.992	1.200	+.804							
	.07	-1.095	+.128	+.967	1.209	+.822							
	.12	-1.114	+.217	+.897	1.217	+.857							
	.20	+.977	+.268	+.709	1.159	+.877							
	.30	+.773	+.315	+.458	1.076	+.895							
	.35	+.741	+.322	+.420	1.063	+.898							
	.45	+.731	+.348	+.383	1.059	+.908							
	.50	+.683	+.333	+.350	1.040	+.902							
	.60	+.617	+.113	+.504	1.013	+.816							
	.70	+.515	+.143	+.659	+.974	+.713							
	.75	+.435	+.242	+.678	+.942	+.671							
	.85	+.250	+.364	+.614	+.870	+.619							
	.90	+.126	+.403	+.529	+.821	+.602							
	.95	+.008	+.403	+.411	+.774	+.602							

BALANCE DATA

COEFFICIENT OF LIFT      +.466  
 DRAG                    +.009  
 PITCH                   +2.106  
 ROLL                    +2.302  
 YAW                     +.079

TABLE 5.- Continued

PCINT NUMBER 419 MACH = .780 RN = 2.208\*10E6 H = 15.796 KPA ALPHA = 2.049 DEG CPSTAR = -.553  
 Q = 3.881 KPA GAMMA = 1.132 P = 11.276 KPA DELTA6 = -5.999 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.135	.450	.584	.834	.588	CHORD 6	.01	-.494	.443	.937	.977	.591
	.03	-.711			1.064			.03	-.988	.136	1.124	1.179	.723
	.05	-.972	-.077	.895	1.172	.811		.05	-1.094	-.015	1.078	1.225	.786
	.07	-.986	-.209	.777	1.178	.863		.07	-1.133	-.119	1.014	1.242	.827
	.12	-1.046	-.334	.712	1.204	.913		.12	-1.063	-.163	.900	1.211	.845
	.20	-.942	-.457	.885	1.160	.962		.20	-.940	-.201	.739	1.159	.860
	.30	-.797	-.430	.367	1.099	.951		.30	-.834	-.271	.564	1.115	.888
	.35	-.689	-.431	.258	1.055	.952		.35	-.728	-.288	.440	1.071	.895
	.45	-.587	-.488	.100	1.014	.974		.45	-.651	-.294	.357	1.040	.897
	.50	-.523	-.456	.067	.988	.962		.50	-.636	-.273	.362	1.033	.889
	.60	-.385	-.204	.181	.933	.861		.60	-.599	-.079	.520	1.018	.811
	.70	-.216	.017	.234	.866	.772		.70	-.507	.171	.678	.982	.709
	.75	-.104	.089	.193	.821	.743		.75	-.429	.249	.678	.951	.676
	.85		.226			.686		.85	-.274			.889	
	.90	.010	.279	.269	.775	.663		.90	-.144	.367	.510	.837	.625
	.95	-.015	.281	.295	.785	.663		.95	-.010	.376	.385	.783	.621
CHORD 2	.05	-.952	-.117	.835	1.164	.827	CHORD 7	.05	-1.176	-.051	1.125	1.261	.800
	.12	-1.126	-.335	.791	1.239	.913		.12	-1.084	-.161	.923	1.220	.844
	.20	-1.001	-.463	.538	1.185	.964		.20	-.879	-.221	.658	1.133	.868
	.30	-.763	-.444	.319	1.085	.957		.30	-.718	-.255	.464	1.067	.882
	.35	-.690	-.447	.242	1.055	.958		.35	-.718	-.264	.454	1.067	.885
	.45	-.594	-.487	.107	1.017	.974		.45	-.651	-.293	.358	1.040	.897
	.50	-.536	-.463	.073	.993	.964		.50	-.612	-.278	.335	1.024	.891
	.60	-.409	-.192	.216	.943	.857		.60	-.559	-.098	.461	1.003	.819
	.70	-.248	.036	.283	.879	.765		.70	-.465	.129	.595	.965	.726
	.75	-.137	.122	.259	.835	.729		.75	-.377	.222	.599	.930	.688
	.85	-.044	.257	.301	.797	.673		.85	-.238			.875	
	.90	-.041	.316	.357	.796	.647		.90	-.038	1.124	1.163	.795	.132
	.95	-.020	.313	.333	.788	.649		.95	-.000			.780	
CHORD 3	.05	-.982	-.096	.886	1.176	.818	CHORD 8	.05	-1.087	-.031	1.056	1.222	.792
	.12	-1.151	-.318	.833	1.250	.907		.12	-1.071	-.159	.912	1.215	.843
	.20	-1.019	-.450	.568	1.192	.959		.20	-.887	-.229	.657	1.136	.871
	.30	-.751	-.442	.308	1.080	.956		.30	-.706	-.268	.438	1.062	.887
	.35	-.682	-.451	.231	1.052	.959		.35	-.684	-.269	.415	1.053	.887
	.45	-.600	-.486	.114	1.019	.974		.45	-.635	-.288	.346	1.033	.895
	.50	-.546	-.460	.086	.997	.963		.50	-.598	-.281	.317	1.018	.892
	.60	-.425	-.187	.238	.949	.854		.60	-.529	-.108	.420	.990	.823
	.70	-.278	.071	.349	.891	.751		.70	-.421	.110	.531	.947	.734
	.75	-.185	.162	.347	.854	.713		.75	-.348	.212	.561	.919	.692
	.85	-.081	.330	.411	.812	.641		.85	-.281	.330	.611	.892	.641
	.90	-.029	.378	.408	.791	.620		.90	-.150	.373	.523	.840	.622
	.95	-.000	-.000	.000	.780	.780		.95	-.037	.368	.406	.795	.624
CHORD 4	.05	-1.048	-.162	.886	1.205	.845	CHORD 9	.05	-1.139	-.041	1.099	1.245	.796
	.12	-1.093	-.334	.759	1.225	.913		.12	-.973	-.164	.809	1.173	.845
	.20	-1.081	-.385	.696	1.219	.933		.20	-.724	-.260	.464	1.069	.883
	.30	-.735	-.413	.322	1.074	.944		.30	-.599	-.275	.324	1.019	.889
	.35	-.587	-.417	.170	1.014	.946		.35	-.581	-.281	.301	1.012	.892
	.45	-.673	-.452	.221	1.048	.960		.45	-.527	-.287	.239	.990	.895
	.50		-.439			.955		.50	-.504	-.282	.222	.981	.892
	.60	-.504	-.170	.333	.980	.848		.60	-.474	-.107	.367	.969	.823
	.70	-.450	.131	.581	.959	.726		.70	-.456	.127	.584	.962	.727
	.75	-.387	.248	.635	.934	.676		.75	-.349	.222	.571	.919	.688
	.85	-.216	.390	.606	.866	.615		.85	-.226	.307	.533	.870	.651
	.90	-.125	.432	.557	.830	.596		.90	.008	-.009	-.017	.776	.783
	.95	-.017	.426	.442	.786	.599		.95	-.000			.780	
CHORD 5	.01	-.197	.470	.667	.859	.578							
	.03	-1.070	.075	1.144	1.214	.749							
	.05	-1.032	-.108	.923	1.198	.823							
	.07	-1.056	-.150	.907	1.208	.840							
	.12	-1.090	-.239	.851	1.223	.875							
	.20	-.966	-.289	.677	1.169	.895							
	.30	-.789	-.331	.458	1.096	.912							
	.35	-.721	-.339	.382	1.068	.915							
	.45	-.733	-.349	.384	1.073	.919							
	.50	-.678	-.344	.334	1.050	.917							
	.60	-.616	-.118	.498	1.025	.827							
	.70	-.513	.140	.653	.984	.722							
	.75	-.433	.238	.671	.952	.681							
	.85	-.250	.355	.605	.880	.630							
	.90	-.126	.393	.518	.830	.613							
	.95	-.010	.392	.402	.783	.614							

BALANCE DATA

COEFFICIENT OF LIFT	.440
DRAG	.008
PITCH	-2.073
ROLL	-2.213
YAW	.077

TABLE 5.- Continued

POINT NUMBER 420		MACH = .781 Q = 3.892 KPA		RN = 2.211*10E6 GAMMA = 1.132		H = 15.819 KPA P = 11.285 KPA		ALPHA = 2.049 DEG DELTA9 = -.005 DEG		CPSTAR = -.550					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.150	.464	.614	.840	.582	CHORD 6	.01	-.551	.478	1.030	1.001	.575		
	.03	-.726			1.071			.03	-1.035	.177	1.212	1.201	.707		
	.05	-.990	-.054	.937	1.181	.802		.05	-1.148	.026	1.174	1.250	.769		
	.07	-1.002	-.183	.819	1.186	.854		.07	-1.200	-.081	1.119	1.273	.813		
	.12	-1.075	-.305	.771	1.218	.902		.12	-1.153	-.136	1.018	1.253	.835		
	.20	-1.000	-.421	.579	1.185	.948		.20	-1.098	-.177	.921	1.228	.851		
	.30	-.892	-.392	.500	1.140	.937		.30	-.976	-.186	.791	1.175	.855		
	.35	-.835	-.382	.453	1.116	.933		.35	-.894	-.267	.627	1.140	.887		
	.45	-.706	-.412	.294	1.063	.945		.45	-.591	-.278	.313	1.016	.892		
	.50	-.630	-.369	.261	1.032	.928		.50	-.618	-.259	.359	1.027	.884		
	.60	-.507	-.113	.395	.983	.826		.60	-.597	-.080	.517	1.019	.813		
	.70	-.365	.125	.490	.926	.729		.70	-.508	.170	.679	.983	.710		
	.75	-.290	.214	.504	.896	.692		.75	-.422	.248	.671	.949	.677		
	.85		.337		.639			.85	-.277			.891			
	.90	-.070	.363	.434	.809	.627		.90	-.149	.363	.512	.840	.627		
.95	-.040	.340	.380	.796	.637	.95	-.010	.356	.366	.784	.630				
CHORD 2	.05	-.981	-.090	.890	1.177	.817	CHORD 7	.05	-1.223	-.014	1.209	1.284	.786		
	.12	-1.154	-.302	.852	1.253	.901		.12	-1.171	-.134	1.037	1.260	.834		
	.20	-1.055	-.424	.631	1.209	.950		.20	-1.112	-.199	.912	1.234	.860		
	.30	-.940	-.402	.538	1.160	.941		.30	-.884	-.237	.647	1.136	.875		
	.35	-.846	-.398	.448	1.121	.939		.35	-.667	-.246	.421	1.047	.879		
	.45	-.706	-.415	.291	1.063	.946		.45	-.637	-.279	.358	1.035	.892		
	.50	-.621	-.379	.242	1.028	.932		.50	-.622	-.266	.356	1.029	.887		
	.60	-.524	-.106	.419	.990	.823		.60	-.566	-.088	.478	1.006	.816		
	.70	-.390	.138	.528	.936	.724		.70	-.477	.139	.615	.971	.723		
	.75	-.303	.228	.531	.901	.686		.75	-.382	.231	.613	.933	.684		
	.85	-.178	.365	.543	.852	.626		.85	-.242			.877			
	.90	-.108	.399	.507	.824	.611		.90	-.143	.403	.546	.838	.609		
	.95	-.036	.397	.433	.795	.612		.95	-.041			.797			
	CHORD 3	.05	-1.008	-.074	.934	1.189		.810	CHORD 8	.05	-1.113	.008	1.121	1.235	.777
		.12	-1.178	-.290	.888	1.263		.896		.12	-1.162	-.133	1.029	1.256	.834
.20		-1.094	-.414	.680	1.226	.946	.20	-1.093		-.209	.884	1.226	.864		
.30		-.988	-.408	.579	1.180	.944	.30	-.797		-.253	.544	1.100	.882		
.35		-.888	-.400	.488	1.138	.940	.35	-.616		-.256	.360	1.026	.893		
.45		-.694	-.417	.277	1.058	.947	.45	-.616		-.279	.337	1.027	.892		
.50		-.613	-.382	.231	1.025	.933	.50	-.597		-.273	.324	1.019	.890		
.60		-.542	-.105	.436	.997	.823	.60	-.548		-.102	.446	.999	.821		
.70		-.406	.150	.556	.943	.719	.70	-.423		.115	.539	.949	.733		
.75		-.317	.236	.553	.907	.682	.75	-.353		.219	.571	.921	.690		
.85		-.178	.381	.559	.852	.619	.85	-.287		.347	.634	.895	.634		
.90		-.151	.407	.557	.841	.608	.90	-.150		.384	.534	.841	.618		
.95		-.030	.402	.433	.793	.610	.95	-.036		.379	.415	.795	.620		
CHORD 4		.05	-1.080	-.124	.956	1.220	.830	CHORD 9		.05	-1.191	-.035	1.156	1.269	.794
		.12	-1.129	-.295	.834	1.242	.898			.12	-1.127	-.143	.984	1.241	.838
	.20	-1.143	-.348	.794	1.248	.920	.20		-.936	-.243	.693	1.158	.878		
	.30	-1.057	-.364	.693	1.210	.926	.30		-.555	-.264	.291	1.002	.886		
	.35	-.982	-.366	.616	1.178	.926	.35		-.580	-.269	.310	1.012	.888		
	.45	-.606	-.397	.209	1.023	.939	.45		-.526	-.280	.246	.990	.893		
	.50		-.381		.933		.50		-.520	-.276	.245	.988	.891		
	.60	-.592	-.130	.461	1.017	.833	.60		-.475	-.101	.374	.970	.821		
	.70	-.515	.158	.673	.986	.715	.70		-.460	.134	.594	.964	.725		
	.75	-.442	.269	.711	.957	.668	.75		-.352	.229	.581	.921	.685		
	.85	-.248	.406	.654	.880	.608	.85		-.226	.313	.539	.871	.649		
	.90	-.147	.448	.595	.839	.589	.90		-.116	.361	.477	.827	.628		
	.95	-.028	.442	.469	.791	.592	.95		.006			.778			
	CHORD 5	.01	-.236	.502	.738	.875	.564		BALANCE DATA						
		.03	-1.109	.120	1.228	1.233	.731		COEFFICIENT OF						
.05		-1.107	-.059	1.048	1.232	.804	LIFT			.531					
.07		-1.112	-.106	1.006	1.234	.823	DRAG			.011					
.12		-1.161	-.198	.964	1.256	.860	PITCH			-2.249					
.20		-1.128	-.250	.878	1.241	.881	ROLL			-2.536					
.30		-1.024	-.296	.728	1.196	.899	YAW			.081					
.35		-.967	-.305	.662	1.172	.902									
.45		-.676	-.331	.345	1.051	.913									
.50		-.674	-.317	.357	1.050	.907									
.60		-.639	-.101	.538	1.036	.821									
.70		-.541	.150	.691	.996	.719									
.75		-.453	.248	.700	.961	.677									
.85		-.272	.371	.643	.889	.624									
.90		-.140	.411	.551	.837	.606									
.95	-.008	.410	.418	.783	.606										

TABLE 5.- Continued

POINT NUMBER 421 MACH = .779 RN = 2.213\*10E6 H = 15.837 KPA ALPHA = 2.049 DEG CPSTAR = -.554  
 Q = 3.888 KPA GAMMA = 1.132 P = 11.310 KPA DELTA9 = 9.006 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.156	.466	.623	.842	.580	CHORD 6	.01	-.593	.515	1.108	1.015	.557		
	.03	-.728			1.070			.03	-1.068	.222	1.290	1.213	.687		
	.05	-.996	-.050	.947	1.182	.799		.05	-1.177	.073	1.250	1.260	.749		
	.07	-1.007	-.179	.828	1.186	.851		.07	-1.240	-.030	1.210	1.289	.791		
	.12	-1.081	-.301	.780	1.218	.899		.12	-1.192	-.088	1.104	1.267	.814		
	.20	-1.001	-.415	.586	1.184	.945		.20	-1.165	-.119	1.046	1.255	.827		
	.30	-.895	-.386	.508	1.139	.933		.30	-1.059	-.127	.933	1.209	.830		
	.35	-.841	-.383	.458	1.117	.932		.35	-1.027	-.182	.845	1.195	.852		
	.45	-.715	-.403	.312	1.065	.940		.45	-.797	-.167	.630	1.098	.846		
	.50	-.633	-.371	.262	1.032	.927		.50	-.646	-.136	.510	1.037	.834		
	.60	-.510	-.109	.402	.982	.823		.60	-.694	.072	.766	1.056	.750		
	.70	-.364	.130	.494	.924	.726		.70	-.616	.302	.918	1.025	.653		
	.75	-.294	.219	.512	.896	.689		.75	-.536	.361	.897	.993	.627		
	.85		.340			.636		.85	-.197			.858			
	.90	-.072	.366	.438	.808	.625		.90	-.134	.463	.596	.833	.581		
.95	-.041	.341	.382	.796	.636	.95	-.114	.447	.561	.825	.588				
CHORD 2	.05	-.987	-.087	.900	1.178	.814	CHORD 7	.05	-1.268	.032	1.300	1.302	.766		
	.12	-1.158	-.303	.855	1.252	.900		.12	-1.232	-.072	1.160	1.285	.808		
	.20	-1.063	-.417	.646	1.210	.945		.20	-1.186	-.133	1.053	1.265	.833		
	.30	-.956	-.400	.556	1.165	.938		.30	-1.088	-.163	.925	1.221	.845		
	.35	-.870	-.396	.474	1.129	.937		.35	-1.046	-.168	.878	1.203	.846		
	.45	-.721	-.412	.309	1.067	.943		.45	-.683	-.185	.499	1.052	.853		
	.50	-.627	-.376	.251	1.029	.929		.50	-.629	-.165	.464	1.030	.845		
	.60	-.531	-.104	.428	.991	.821		.60	-.639	.012	.651	1.034	.774		
	.70	-.395	.140	.535	.937	.722		.70	-.582	.233	.815	1.011	.682		
	.75	-.308	.230	.538	.902	.684		.75	-.479	.317	.797	.970	.646		
	.85	-.181	.357	.539	.852	.629		.85	-.203			.860			
	.90	-.111	.371	.482	.824	.623		.90	-.141	.428	.569	.836	.597		
	.95	-.038	.396	.434	.794	.612		.95	-.119			.827			
	CHORD 3	.05	-1.013	-.068	.945	1.189		.806	CHORD 8	.05	-1.160	.066	1.226	1.253	.752
		.12	-1.181	-.286	.895	1.263		.894		.12	-1.217	-.072	1.145	1.278	.808
.20		-1.099	-.404	.695	1.226	.940	.20	-1.182		-.146	1.037	1.263	.837		
.30		-.992	-.396	.596	1.180	.937	.30	-1.130		-.184	.947	1.240	.853		
.35		-.889	-.397	.492	1.136	.937	.35	-1.028		-.183	.844	1.195	.853		
.45		-.691	-.412	.279	1.055	.943	.45	-.638		-.198	.440	1.034	.859		
.50		-.622	-.377	.245	1.027	.930	.50	-.597		-.189	.408	1.017	.855		
.60		-.546	-.103	.443	.997	.820	.60	-.597		-.027	.570	1.017	.790		
.70		-.409	.150	.560	.942	.717	.70	-.482		.163	.645	.971	.712		
.75		-.321	.236	.557	.907	.681	.75	-.383		.235	.618	.932	.682		
.85		-.181	.380	.561	.852	.619	.85	-.325		.308	.632	.909	.650		
.90		-.154	.404	.558	.841	.608	.90	-.192		.326	.519	.856	.642		
.95		-.033	.399	.432	.792	.610	.95	-.091		.326	.417	.816	.643		
CHORD 4		.05	-1.085	-.119	.966	1.220	.827	CHORD 9		.05	-1.254	.006	1.261	1.296	.776
		.12	-1.133	-.290	.843	1.241	.895			.12	-1.219	-.103	1.116	1.279	.821
	.20	-1.151	-.352	.799	1.249	.919	.20		-1.146	-.203	.943	1.247	.860		
	.30	-1.068	-.363	.705	1.213	.924	.30		-.722	-.209	.513	1.068	.863		
	.35	-1.003	-.365	.638	1.184	.925	.35		-.484	-.244	.240	.972	.877		
	.45	-.606	-.394	.212	1.021	.936	.45		-.513	-.260	.253	.983	.883		
	.50		-.379			.930	.50		-.514	-.258	.257	.984	.882		
	.60	-.603	-.127	.476	1.020	.830	.60		-.491	-.092	.399	.975	.816		
	.70	-.521	.161	.681	.987	.713	.70		-.490	.134	.624	.974	.724		
	.75	-.447	.271	.718	.957	.666	.75		-.370	.227	.596	.927	.685		
	.85	-.251	.407	.658	.880	.607	.85		-.242	.313	.554	.876	.648		
	.90	-.150	.447	.597	.839	.588	.90		-.132	.361	.493	.832	.627		
	.95	-.029	.440	.469	.791	.591	.95		-.006			.781			
	CHORD 5	.01	-.246	.510	.757	.878	.559		BALANCE DATA						
		.03	-1.123	.132	1.255	1.236	.725		COEFFICIENT OF LIFT			.582			
.05		-1.117	-.046	1.070	1.234	.798	DRAG			.014					
.07		-1.128	-.093	1.035	1.239	.816	PITCH			=2.778					
.12		-1.170	-.186	.984	1.258	.854	ROLL			=2.894					
.20		-1.148	-.237	.912	1.248	.874	YAW			.117					
.30		-1.043	-.280	.762	1.202	.891									
.35		-.999	-.288	.710	1.183	.894									
.45		-.693	-.311	.382	1.056	.903									
.50		-.680	-.298	.382	1.050	.898									
.60		-.648	-.083	.565	1.038	.813									
.70		-.564	.167	.730	1.004	.710									
.75		-.463	.264	.727	.964	.669									
.85		-.290	.380	.670	.895	.619									
.90		-.150	.419	.569	.839	.601									
.95	-.011	.414	.426	.784	.603										

TABLE 5.- Continued

POINT NUMBER 422		MACH = .784		RN = 2.215*10E6		H = 15.859 KPA		ALPHA = 2.049 DEG		CPSTAR = -.540			
		Q = 3.921 KPA		GAMMA = 1.132		P = 11.285 KPA		DELTA9 = 6.009 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.146	.468	.614	.842	.582	CHORD 6	.01	-.571	.507	1.078	1.013	.564
	.03	-.721			1.074			.03	-1.050	.212	1.262	1.213	.695
	.05	-.989	-.052	.936	1.186	.804		.05	-1.159	.063	1.222	1.261	.757
	.07	-1.001	-.183	.817	1.191	.857		.07	-1.226	-.042	1.184	1.291	.800
	.12	-1.082	-.304	.778	1.227	.905		.12	-1.179	-.099	1.079	1.270	.823
	.20	-1.007	-.421	.586	1.194	.952		.20	-1.159	-.133	1.026	1.261	.837
	.30	-.905	-.392	.513	1.150	.941		.30	-1.056	-.131	.926	1.215	.836
	.35	-.853	-.388	.464	1.128	.939		.35	-1.053	-.202	.851	1.214	.865
	.45	-.747	-.411	.335	1.084	.948		.45	-.927	-.195	.732	1.159	.862
	.50	-.643	-.379	.263	1.042	.936		.50	-.672	-.167	.505	1.054	.851
	.60	-.513	-.111	.402	.989	.828		.60	-.664	.025	.689	1.050	.773
	.70	-.369	.128	.496	.931	.731		.70	-.651	.263	.915	1.045	.673
	.75	-.296	.217	.513	.902	.693		.75	-.592	.327	.919	1.021	.646
	.85		.339			.640		.85	-.265			.890	
	.90	-.073	.365	.438	.813	.629		.90	-.100	.426	.525	.824	.601
	.95	-.041	.342	.383	.800	.639		.95	-.039	.418	.457	.799	.605
CHORD 2	.05	-.980	-.088	.892	1.182	.819	CHORD 7	.05	-1.249	.024	1.273	1.302	.774
	.12	-1.153	-.302	.852	1.258	.905		.12	-1.212	-.089	1.124	1.285	.819
	.20	-1.063	-.427	.636	1.218	.955		.20	-1.171	-.149	1.022	1.266	.844
	.30	-.961	-.401	.560	1.174	.944		.30	-1.084	-.182	.902	1.228	.857
	.35	-.884	-.397	.487	1.141	.943		.35	-1.054	-.186	.868	1.215	.858
	.45	-.734	-.413	.321	1.079	.949		.45	-.705	-.207	.499	1.067	.867
	.50	-.627	-.376	.251	1.035	.934		.50	-.618	-.188	.429	1.032	.859
	.60	-.528	-.103	.425	.995	.825		.60	-.639	-.011	.628	1.040	.788
	.70	-.394	.130	.524	.942	.730		.70	-.585	.211	.796	1.018	.696
	.75	-.307	.224	.531	.907	.690		.75	-.487	.297	.784	.979	.659
	.85	-.182	.356	.537	.857	.633		.85	-.241			.881	
	.90	-.110	.399	.509	.828	.613		.90	-.129	.430	.559	.836	.600
	.95	-.037	.396	.433	.798	.615		.95	-.078			.815	
CHORD 3	.05	-1.007	-.070	.937	1.194	.812	CHORD 8	.05	-1.141	.071	1.213	1.253	.754
	.12	-1.177	-.290	.887	1.269	.900		.12	-1.206	-.085	1.121	1.282	.818
	.20	-1.099	-.408	.691	1.234	.947		.20	-1.161	-.160	1.001	1.262	.848
	.30	-.992	-.399	.593	1.187	.944		.30	-1.124	-.199	.924	1.245	.864
	.35	-.895	-.400	.495	1.146	.944		.35	-1.029	-.198	.830	1.203	.863
	.45	-.713	-.415	.298	1.070	.950		.45	-.647	-.214	.433	1.043	.870
	.50	-.613	-.379	.234	1.030	.936		.50	-.593	-.204	.389	1.021	.865
	.60	-.544	-.103	.441	1.002	.825		.60	-.590	-.039	.551	1.020	.799
	.70	-.409	.152	.560	.947	.721		.70	-.485	.159	.644	.978	.718
	.75	-.319	.238	.557	.912	.684		.75	-.383	.241	.624	.937	.683
	.85	-.180	.381	.561	.856	.622		.85	-.321	.332	.653	.912	.643
	.90	-.152	.408	.559	.845	.610		.90	-.171	.365	.536	.852	.629
	.95	-.029	.404	.433	.795	.611		.95	-.059	.357	.416	.807	.632
CHORD 4	.05	-1.079	-.121	.957	1.225	.832	CHORD 9	.05	-1.240	-.003	1.237	1.298	.785
	.12	-1.131	-.293	.837	1.248	.901		.12	-1.207	-.097	1.109	1.283	.823
	.20	-1.148	-.345	.803	1.256	.922		.20	-1.137	-.213	.924	1.251	.869
	.30	-1.076	-.365	.711	1.224	.930		.30	-.790	-.211	.579	1.102	.868
	.35	-1.013	-.365	.647	1.196	.930		.35	-.483	-.247	.235	.977	.883
	.45	-.603	-.394	.209	1.026	.941		.45	-.504	-.260	.244	.986	.888
	.50		-.378			.935		.50	-.505	-.259	.247	.986	.887
	.60	-.607	-.126	.481	1.027	.834		.60	-.488	-.091	.397	.979	.820
	.70	-.520	.162	.682	.992	.716		.70	-.484	.138	.622	.978	.726
	.75	-.446	.273	.719	.962	.669		.75	-.366	.230	.596	.930	.687
	.85	-.252	.408	.660	.885	.610		.85	-.239	.316	.555	.880	.651
	.90	-.150	.449	.599	.844	.591		.90	-.129	.365	.494	.836	.629
	.95	-.029	.442	.471	.795	.594		.95	-.001			.784	
CHORD 5	.01	-.236	.508	.744	.878	.563							
	.03	-1.106	.129	1.235	1.237	.730							
	.05	-1.102	-.050	1.052	1.236	.804							
	.07	-1.113	-.097	1.016	1.240	.823							
	.12	-1.164	-.190	.974	1.263	.860							
	.20	-1.144	-.241	.903	1.254	.880							
	.30	-1.061	-.286	.775	1.217	.898							
	.35	-1.039	-.295	.745	1.208	.902							
	.45	-.815	-.319	.495	1.112	.912							
	.50	-.642	-.305	.337	1.041	.906							
	.60	-.636	-.087	.548	1.039	.819							
	.70	-.561	.163	.724	1.009	.716							
	.75	-.471	.259	.730	.972	.675							
	.85	-.289	.377	.667	.900	.623							
	.90	-.151	.416	.567	.844	.606							
	.95	-.010	.414	.424	.787	.607							

BALANCE DATA		
COEFFICIENT OF	LIFT	.567
	DRAG	.013
	PITCH	-2.610
	ROLL	-2.776
	YAW	.103





TABLE 5.- Continued

POINT NUMBER 425 MACH = .780 RN = 2.223\*10E6 H = 15.857 KPA ALPHA = 2.049 DEG CPSTAR = -.551  
 Q = 3.898 KPA GAMMA = 1.132 P = 11.316 KPA DELTA9 = 2.020 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.151	.470	.621	.840	.579	CHORD 6	.01	-.564	.491	1.055	1.005	.569
	.03	-.728			1.071			.03	-1.035	.191	1.227	1.200	.701
	.05	-.991	-.007	.984	1.181	.783		.05	-1.144	.045	1.188	1.247	.762
	.07	-1.002	-.183	.820	1.186	.853		.07	-1.212	-.063	1.149	1.278	.805
	.12	-1.074	-.303	.771	1.217	.901		.12	-1.147	-.117	1.030	1.249	.827
	.20	-.999	-.409	.590	1.184	.943		.20	-1.122	-.155	.967	1.238	.842
	.30	-.895	-.382	.514	1.140	.932		.30	-1.015	-.221	.793	1.191	.869
	.35	-.841	-.378	.463	1.118	.931		.35	-.962	-.239	.723	1.168	.876
	.45	-.720	-.404	.316	1.068	.941		.45	-.624	-.241	.383	1.029	.876
	.50	-.633	-.369	.264	1.033	.927		.50	-.611	-.220	.391	1.024	.868
	.60	-.508	-.111	.397	.983	.825		.60	-.626	-.026	.600	1.030	.790
	.70	-.364	.128	.492	.925	.727		.70	-.572	.214	.786	1.008	.691
	.75	-.291	.216	.508	.896	.690		.75	-.511	.286	.797	.984	.660
	.85		.341			.637		.85	-.302			.901	
	.90	-.071	.369	.440	.808	.624		.90	-.138	.405	.542	.835	.608
	.95	-.039	.345	.384	.796	.635		.95	-.002	.409	.411	.781	.606
CHORD 2	.05	-.980	-.088	.893	1.176	.815	CHORD 7	.05	-1.223	.006	1.229	1.283	.777
	.12	-1.151	-.312	.839	1.251	.905		.12	-1.169	-.114	1.055	1.259	.826
	.20	-1.052	-.415	.637	1.207	.946		.20	-1.121	-.178	.942	1.237	.851
	.30	-.948	-.400	.548	1.162	.940		.30	-.987	-.214	.773	1.179	.866
	.35	-.861	-.395	.466	1.126	.938		.35	-.815	-.220	.596	1.107	.868
	.45	-.725	-.414	.311	1.070	.945		.45	-.629	-.250	.379	1.031	.880
	.50	-.627	-.378	.249	1.030	.931		.50	-.635	-.235	.400	1.034	.874
	.60	-.528	-.105	.423	.990	.822		.60	-.589	-.055	.534	1.015	.802
	.70	-.394	.139	.532	.937	.723		.70	-.518	.166	.684	.987	.711
	.75	-.305	.228	.533	.902	.685		.75	-.429	.257	.686	.951	.673
	.85	-.179	.366	.546	.852	.625		.85	-.250			.880	
	.90	-.108	.401	.509	.823	.610		.90	-.134	.414	.548	.834	.604
	.95	-.035	.400	.435	.794	.610		.95	-.042		.797		
CHORD 3	.05	-1.005	-.075	.930	1.187	.810	CHORD 8	.05	-1.117	.040	1.157	1.236	.764
	.12	-1.172	-.288	.884	1.260	.895		.12	-1.148	-.105	1.042	1.249	.822
	.20	-1.089	-.397	.693	1.223	.938		.20	-1.120	-.180	.940	1.237	.852
	.30	-.987	-.387	.600	1.179	.935		.30	-1.002	-.225	.778	1.186	.870
	.35	-.890	-.385	.505	1.138	.934		.35	-.761	-.226	.535	1.085	.871
	.45	-.698	-.402	.297	1.059	.940		.45	-.623	-.247	.377	1.029	.879
	.50	-.615	-.368	.247	1.025	.927		.50	-.609	-.240	.369	1.023	.876
	.60	-.544	-.105	.439	.997	.822		.60	-.578	-.074	.504	1.011	.810
	.70	-.408	.150	.558	.943	.718		.70	-.459	.136	.596	.963	.724
	.75	-.317	.237	.554	.907	.682		.75	-.371	.233	.603	.928	.683
	.85	-.178	.386	.564	.851	.617		.85	-.295	.348	.643	.898	.633
	.90	-.151	.409	.560	.840	.606		.90	-.152	.386	.538	.841	.617
	.95	-.030	.404	.434	.792	.608		.95	-.039	.378	.416	.795	.620
CHORD 4	.05	-1.074	-.122	.952	1.217	.829	CHORD 9	.05	-1.204	-.018	1.186	1.274	.787
	.12	-1.126	-.291	.835	1.239	.896		.12	-1.133	-.117	1.016	1.242	.827
	.20	-1.134	-.354	.780	1.243	.921		.20	-1.027	-.220	.807	1.196	.868
	.30	-1.057	-.364	.693	1.209	.925		.30	-.518	-.229	.288	.986	.872
	.35	-.996	-.366	.630	1.183	.926		.35	-.550	-.247	.304	1.000	.879
	.45	-.595	-.394	.201	1.017	.937		.45	-.538	-.251	.288	.995	.880
	.50		.380			.931		.50	-.524	-.258	.267	.989	.883
	.60	-.601	-.127	.474	1.020	.831		.60	-.480	-.088	.392	.971	.815
	.70	-.518	.159	.678	.987	.714		.70	-.476	.141	.617	.970	.722
	.75	-.443	.270	.713	.957	.667		.75	-.351	.236	.587	.920	.682
	.85	-.248	.407	.655	.879	.607		.85	-.223	.321	.544	.869	.645
	.90	-.147	.448	.595	.839	.589		.90	-.118	.368	.486	.827	.625
	.95	-.026	.443	.469	.790	.591		.95	.005			.778	
CHORD 5	.01	-.233	.506	.738	.873	.562							
	.03	-1.106	.125	1.231	1.231	.729							
	.05	-1.089	-.051	1.037	1.223	.801							
	.07	-1.108	-.100	1.008	1.232	.820							
	.12	-1.147	-.190	.957	1.249	.856							
	.20	-1.117	-.242	.875	1.236	.877							
	.30	-1.039	-.293	.746	1.202	.897							
	.35	-.982	-.299	.683	1.177	.899							
	.45	-.704	-.326	.378	1.062	.910							
	.50	-.649	-.313	.336	1.039	.905							
	.60	-.627	-.094	.534	1.030	.818							
	.70	-.542	.154	.696	.996	.716							
	.75	-.449	.252	.701	.959	.675							
	.85	-.274	.374	.648	.889	.622							
	.90	-.143	.413	.556	.837	.604							
	.95	-.007	.412	.420	.783	.605							

BALANCE DATA

COEFFICIENT OF LIFT .509  
 DRAG .001  
 PITCH -2.305  
 ROLL -2.578  
 YAW .063

TABLE 5.- Continued

POINT NUMBER 426      MACH = .777      RN = 2.209\*10E6      H = 15.865 KPA      ALPHA = 2.049 DEG      CPSTAR = -.563  
 Q = 3.877 KPA      GAMMA = 1.132      P = 11.355 KPA      DELTA9 = -.001 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML		
CHORD 1	.01	-.155	.467	.622	.838	.577	CHORD 6	.01	-.564	.479	1.043	1.000	.572		
	.03	-.733			1.068			.03	-1.041	.176	1.217	1.196	.704		
	.05	-.998	-.055	.943	1.178	.799		.05	-1.158	.026	1.185	1.247	.766		
	.07	-1.011	-.185	.825	1.183	.850		.07	-1.213	-.081	1.133	1.271	.809		
	.12	-1.078	-.304	.774	1.212	.897		.12	-1.153	-.134	1.019	1.245	.830		
	.20	-.998	-.407	.591	1.178	.938		.20	-1.084	-.175	.909	1.215	.846		
	.30	-.879	-.380	.499	1.128	.927		.30	-.940	-.221	.719	1.153	.864		
	.35	-.816	-.374	.442	1.102	.925		.35	-.787	-.266	.521	1.090	.882		
	.45	-.691	-.401	.290	1.051	.936		.45	-.633	-.275	.358	1.028	.886		
	.50	-.624	-.368	.256	1.024	.923		.50	-.640	-.258	.382	1.031	.879		
	.60	-.504	-.110	.394	.976	.820		.60	-.597	-.068	.528	1.013	.804		
	.70	-.361	.128	.489	.920	.724		.70	-.507	.176	.683	.978	.704		
	.75	-.289	.217	.506	.891	.687		.75	-.435	.254	.689	.949	.671		
	.85		.342			.633		.85	-.272			.885			
	.90	-.071	.369	.439	.805	.622		.90	-.148	.378	.526	.836	.617		
.95	-.040	.345	.385	.792	.632	.95	-.007	.387	.394	.779	.614				
CHORD 2	.05	-.987	-.087	.900	1.173	.812	CHORD 7	.05	-1.226	-.036	1.190	1.277	.791		
	.12	-1.159	-.314	.845	1.247	.901		.12	-1.171	-.136	1.034	1.252	.831		
	.20	-1.058	-.416	.642	1.204	.942		.20	-1.103	-.204	.899	1.223	.858		
	.30	-.951	-.402	.549	1.158	.936		.30	-.804	-.241	.563	1.097	.873		
	.35	-.855	-.398	.456	1.118	.935		.35	-.654	-.250	.404	1.036	.876		
	.45	-.716	-.418	.298	1.061	.942		.45	-.661	-.285	.376	1.039	.890		
	.50	-.626	-.381	.245	1.025	.928		.50	-.629	-.271	.357	1.026	.885		
	.60	-.528	-.106	.423	.986	.819		.60	-.565	-.091	.474	1.001	.813		
	.70	-.395	.139	.533	.933	.720		.70	-.468	.134	.603	.962	.721		
	.75	-.306	.229	.535	.898	.682		.75	-.380	.228	.607	.927	.682		
	.85	-.181	.359	.540	.849	.626		.85	-.241			.873			
	.90	-.111	.354	.465	.821	.628		.90	-.144	.399	.543	.834	.608		
	.95	-.038	.357	.395	.792	.627		.95	-.043			.794			
	CHORD 3	.05	-1.017	-.062	.955	1.186		.801	CHORD 8	.05	-1.122	.022	1.144	1.231	.768
		.12	-1.184	-.298	.886	1.258		.895		.12	-1.149	-.130	1.019	1.243	.828
.20		-1.089	-.402	.688	1.217	.936	.20	-1.084		-.205	.879	1.215	.858		
.30		-.967	-.398	.569	1.165	.935	.30	-.806		-.253	.553	1.098	.877		
.35		-.870	-.388	.482	1.124	.930	.35	-.629		-.256	.373	1.026	.878		
.45		-.672	-.404	.268	1.043	.937	.45	-.627		-.280	.347	1.025	.888		
.50		-.628	-.370	.258	1.026	.923	.50	-.609		-.275	.334	1.018	.886		
.60		-.543	-.106	.437	.992	.819	.60	-.550		-.103	.447	.995	.818		
.70		-.407	.149	.556	.938	.715	.70	-.437		.116	.553	.950	.729		
.75		-.318	.235	.553	.903	.679	.75	-.353		.220	.573	.917	.686		
.85		-.179	.388	.567	.848	.613	.85	-.287		.347	.634	.891	.631		
.90		-.152	.407	.559	.837	.605	.90	-.152		.384	.535	.837	.615		
.95		-.032	.401	.434	.789	.607	.95	-.038		.379	.416	.792	.617		
CHORD 4		.05	-1.083	-.124	.959	1.214	.826	CHORD 9		.05	-1.200	-.044	1.156	1.266	.794
		.12	-1.133	-.294	.838	1.236	.894			.12	-1.112	-.142	.970	1.227	.833
	.20	-1.139	-.358	.781	1.239	.919	.20		-.916	-.214	.702	1.143	.862		
	.30	-1.065	-.369	.697	1.207	.923	.30		-.585	-.266	.319	1.009	.882		
	.35	-.989	-.371	.618	1.174	.924	.35		-.600	-.271	.329	1.015	.884		
	.45	-.605	-.403	.201	1.017	.937	.45		-.547	-.280	.267	.994	.888		
	.50		-.388			.930	.50		-.525	-.276	.249	.985	.887		
	.60	-.601	-.130	.471	1.015	.828	.60		-.478	-.126	.352	.966	.827		
	.70	-.521	.159	.680	.983	.711	.70		-.473	.131	.604	.964	.723		
	.75	-.445	.271	.716	.953	.664	.75		-.350	.227	.577	.916	.683		
	.85	-.251	.407	.659	.877	.604	.85		-.224	.312	.535	.866	.647		
	.90	-.149	.448	.597	.836	.586	.90		-.117	.358	.475	.823	.626		
	.95	-.030	.441	.471	.788	.589	.95		.004			.775			
	CHORD 5	.01	-.237	.504	.741	.871	.560		BALANCE DATA						
		.03	-1.124	.121	1.245	1.232	.727		COEFFICIENT OF LIFT      .498						
.05		-1.112	-.057	1.055	1.227	.799	DRAG      .001								
.07		-1.121	-.103	1.018	1.230	.818	PITCH      -2.154								
.12		-1.161	-.194	.967	1.248	.854	ROLL      -2.480								
.20		-1.114	-.247	.867	1.228	.875	YAW      .057								
.30		-.997	-.296	.702	1.177	.894									
.35		-.874	-.303	.571	1.126	.897									
.45		-.688	-.330	.357	1.050	.908									
.50		-.690	-.317	.373	1.051	.903									
.60		-.639	-.099	.540	1.030	.816									
.70		-.539	.151	.690	.990	.714									
.75		-.449	.250	.699	.955	.673									
.85		-.268	.373	.641	.883	.620									
.90		-.140	.413	.553	.832	.602									
.95	-.006	.413	.419	.779	.602										

TABLE 5.- Continued

POINT NUMBER 429		MACH = .780		RN = 2.2*2*10E6		H = 15.8*6 KPA		ALPHA = 2.0*9 DEG		CPSTAR = -.55*			
		Q = 3.892 KPA		GAMMA = 1.132		P = 11.313 KPA		DELTA9 = 2.007 DEG					
	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.153	.457	.610	.841	.584	CHORD 6	.01	-.552	.465	1.017	1.000	.580
	.03	-.725			1.069			.03	-1.028	.163	1.190	1.196	.712
	.05	-.986	-.054	.932	1.178	.801		.05	-1.135	.013	1.148	1.242	.774
	.07	-1.003	-.183	.819	1.185	.853		.07	-1.193	-.095	1.099	1.268	.817
	.12	-1.059	-.300	.759	1.209	.899		.12	-1.122	-.145	.977	1.237	.838
	.20	-.969	-.401	.568	1.170	.939		.20	-1.017	-.187	.830	1.191	.854
	.30	-.856	-.370	.485	1.123	.927		.30	-.811	-.189	.622	1.104	.855
	.35	-.796	-.369	.426	1.098	.927		.35	-.645	-.282	.363	1.037	.892
	.45	-.677	-.391	.285	1.049	.935		.45	-.628	-.301	.327	1.030	.899
	.50	-.613	-.359	.254	1.024	.923		.50	-.613	-.287	.326	1.024	.894
	.60	-.497	-.111	.386	.977	.824		.60	-.545	-.106	.440	.997	.822
	.70	-.356	.124	.480	.921	.728		.70	-.446	.136	.582	.957	.723
	.75	-.283	.213	.496	.893	.691		.75	-.367	.218	.585	.926	.683
	.85		.335			.639		.85	-.233			.873	
	.90	+.070	.363	.432	.807	.626		.90	+.143	.349	.492	.837	.632
	.95	+.038	.340	.378	.795	.636		.95	+.013	.362	.375	.784	.627
CHORD 2	.05	-.978	-.087	.891	1.174	.814	CHORD 7	.05	-1.198	-.040	1.159	1.271	.795
	.12	-1.146	-.308	.838	1.247	.902		.12	-1.128	-.149	.979	1.239	.839
	.20	-1.037	-.407	.630	1.199	.942		.20	-.990	-.216	.774	1.179	.866
	.30	-.913	-.394	.519	1.147	.936		.30	-.662	-.256	.406	1.043	.882
	.35	-.805	-.389	.416	1.102	.934		.35	-.665	-.263	.402	1.045	.884
	.45	-.682	-.406	.276	1.052	.941		.45	-.627	-.304	.323	1.030	.901
	.50	-.619	-.371	.248	1.026	.927		.50	-.586	-.294	.292	1.013	.897
	.60	-.519	-.104	.415	.986	.821		.60	-.508	-.115	.393	.982	.825
	.70	-.388	.136	.524	.934	.723		.70	-.427	.109	.535	.950	.735
	.75	-.299	.226	.525	.899	.686		.75	-.323	.203	.525	.908	.696
	.85	-.174	.364	.538	.849	.626		.85	-.212			.864	
	.90	-.105	.398	.504	.822	.611		.90	-.037	1.111	1.148	.794	.153
	.95	-.034	.380	.415	.793	.619		.95	-.000			.779	
CHORD 3	.05	-1.008	-.076	.933	1.187	.810	CHORD 8	.05	-1.098	-.013	1.085	1.226	.784
	.12	-1.172	-.289	.882	1.259	.895		.12	-1.096	-.144	.952	1.225	.837
	.20	-1.063	-.399	.665	1.211	.938		.20	-.954	-.220	.734	1.164	.867
	.30	-.931	-.385	.546	1.154	.933		.30	-.657	-.269	.388	1.042	.887
	.35	-.833	-.385	.448	1.114	.933		.35	-.666	-.273	.393	1.045	.888
	.45	-.657	-.401	.256	1.042	.939		.45	-.607	-.298	.309	1.022	.898
	.50	-.627	-.368	.259	1.030	.926		.50	-.578	-.294	.284	1.010	.897
	.60	-.537	-.106	.431	.993	.822		.60	-.510	-.124	.386	.983	.829
	.70	-.391	.147	.538	.935	.719		.70	-.402	.096	.498	.940	.740
	.75	-.311	.233	.545	.904	.682		.75	-.324	.208	.531	.909	.693
	.85	-.175	.385	.560	.849	.616		.85	-.264	.346	.610	.885	.634
	.90	-.030	.401	.430	.791	.610		.90	-.138	.385	.524	.835	.616
	.95	+.000	.000	.000	.779	.779		.95	+.033	.382	.415	.792	.618
CHORD 4	.05	-1.071	-.121	.950	1.214	.828	CHORD 9	.05	-1.153	-.067	1.086	1.250	.806
	.12	-1.115	-.287	.828	1.233	.894		.12	-.983	-.152	.831	1.176	.840
	.20	-1.134	-.350	.784	1.242	.919		.20	-.728	-.241	.487	1.070	.876
	.30	-1.015	-.356	.660	1.190	.921		.30	-.604	-.248	.357	1.020	.878
	.35	-.859	-.359	.500	1.124	.923		.35	-.586	-.269	.317	1.013	.887
	.45	-.665	-.388	.277	1.045	.934		.45	-.530	-.281	.249	.991	.892
	.50		-.373			.928		.50	-.509	-.277	.233	.982	.890
	.60	-.579	-.128	.451	1.010	.831		.60	-.462	-.100	.363	.964	.812
	.70	-.508	.155	.663	.982	.716		.70	-.461	.132	.592	.963	.725
	.75	-.433	.266	.699	.952	.669		.75	-.338	.228	.566	.914	.685
	.85	-.241	.403	.645	.876	.608		.85	-.216	.312	.527	.866	.649
	.90	-.143	.444	.587	.837	.590		.90	.009	-.009	-.018	.775	.783
	.95	+.025	.438	.464	.789	.593		.95	+.000			.779	
CHORD 5	.01	-.244	.498	.742	.877	.565							
	.03	-1.124	.119	1.243	1.238	.731							
	.05	-1.103	-.058	1.045	1.228	.803							
	.07	-1.112	-.105	1.007	1.232	.821							
	.12	-1.136	-.194	.942	1.243	.857							
	.20	-1.087	-.245	.841	1.221	.877							
	.30	-.939	-.294	.645	1.158	.897							
	.35	-.770	-.302	.468	1.088	.900							
	.45	-.706	-.332	.374	1.062	.912							
	.50	-.696	-.320	.376	1.058	.907							
	.60	-.627	-.104	.522	1.029	.821							
	.70	-.524	.142	.666	.988	.721							
	.75	-.437	.241	.678	.954	.679							
	.85	-.256	.362	.619	.882	.627							
	.90	-.133	.402	.535	.833	.609							
	.95	+.005	.403	.408	.781	.609							

BALANCE DATA

COEFFICIENT OF		LIFT	.474
		DRAG	.001
		PITCH	-2.003
		ROLL	-2.345
		YAW	.051

TABLE 5.- Continued

POINT NUMBER 430 MACH = .783 RN = 2.237\*10E6 H = 15.876 KPA ALPHA = 2.049 DEG CPSTAR = -.543  
 Q = 3.921 KPA GAMMA = 1.132 P = 11.304 KPA DELTA9 = -.4004 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.147	.459	.606	.842	.586	CHORD 6	.01	-.530	.453	.983	.995	.588
	.03	-.718			1.071			.03	-1.007	.149	1.155	1.192	.721
	.05	-.977	-.035	.942	1.179	.796		.05	-1.121	-.002	1.119	1.242	.783
	.07	-.993	-.185	.808	1.186	.857		.07	-1.174	-.110	1.063	1.266	.827
	.12	-1.059	-.304	.756	1.215	.904		.12	-1.118	-.160	.958	1.241	.847
	.20	-.986	-.405	.581	1.184	.945		.20	-1.024	-.205	.820	1.200	.865
	.30	-.871	-.375	.496	1.134	.933		.30	-.829	-.284	.545	1.117	.897
	.35	-.813	-.369	.444	1.110	.930		.35	-.625	-.308	.316	1.033	.906
	.45	-.684	-.398	.286	1.057	.942		.45	-.592	-.334	.258	1.020	.917
	.50	-.617	-.366	.251	1.030	.929		.50	-.577	-.325	.253	1.014	.913
	.60	-.497	-.113	.385	.982	.828		.60	-.502	-.146	.356	.984	.842
	.70	-.357	.124	.481	.926	.731		.70	-.385	.098	.483	.937	.742
	.75	-.283	.214	.497	.896	.694		.75	-.291	.182	.474	.900	.707
	.85		.337			.640		.85	-.183			.856	
	.90	-.068	.363	.431	.810	.629		.90	-.132	.319	.451	.836	.648
	.95	-.037	.341	.378	.798	.639		.95	-.019	.342	.361	.790	.638
CHORD 2	.05	-.968	-.089	.879	1.176	.818	CHORD 7	.05	-1.178	-.077	1.101	1.268	.814
	.12	-1.141	-.313	.829	1.251	.908		.12	-1.115	-.170	.946	1.240	.851
	.20	-1.042	-.414	.628	1.208	.948		.20	-1.004	-.240	.764	1.191	.879
	.30	-.932	-.400	.532	1.160	.943		.30	-.637	-.283	.354	1.038	.896
	.35	-.836	-.395	.442	1.120	.941		.35	-.633	-.294	.339	1.037	.901
	.45	-.699	-.413	.286	1.063	.948		.45	-.596	-.340	.256	1.021	.919
	.50	-.615	-.377	.238	1.029	.934		.50	-.554	-.332	.222	1.005	.916
	.60	-.518	-.104	.413	.990	.825		.60	-.477	-.149	.328	.974	.843
	.70	-.386	.136	.523	.937	.726		.70	-.380	.078	.458	.935	.751
	.75	-.298	.227	.526	.902	.688		.75	-.273	.171	.444	.892	.712
	.85	-.176	.365	.540	.853	.628		.85	-.182			.856	
	.90	-.106	.362	.469	.825	.629		.90	-.132	.369	.501	.836	.626
	.95	-.035	.359	.395	.797	.631		.95	-.039			.798	
CHORD 3	.05	-.999	-.059	.940	1.189	.806	CHORD 8	.05	-1.080	-.032	1.048	1.224	.795
	.12	-1.165	-.288	.877	1.262	.898		.12	-1.084	.165	.920	1.226	.849
	.20	-1.075	-.400	.674	1.222	.943		.20	-.943	-.242	.702	1.165	.880
	.30	-.965	-.398	.567	1.174	.942		.30	-.623	-.294	.329	1.033	.901
	.35	-.866	-.390	.476	1.132	.939		.35	-.635	-.298	.337	1.037	.902
	.45	-.669	-.406	.263	1.051	.945		.45	-.580	-.328	.253	1.015	.914
	.50	-.614	-.369	.245	1.029	.930		.50	-.552	-.325	.227	1.004	.913
	.60	-.535	-.106	.430	.997	.825		.60	-.481	-.148	.333	.975	.842
	.70	-.391	.147	.538	.939	.722		.70	-.371	.081	.451	.931	.749
	.75	-.312	.233	.545	.908	.685		.75	-.297	.199	.497	.902	.700
	.85	-.176	.382	.558	.853	.620		.85	-.253	.348	.601	.884	.636
	.90	-.149	.404	.553	.842	.611		.90	-.138	.389	.527	.838	.617
	.95	-.030	.399	.429	.795	.613		.95	-.036	.389	.425	.797	.618
CHORD 4	.05	-1.061	-.124	.937	1.216	.833	CHORD 9	.05	-1.125	-.075	1.050	1.244	.813
	.12	-1.114	-.294	.820	1.239	.900		.12	-.963	-.164	.799	1.174	.849
	.20	-1.133	-.354	.779	1.248	.924		.20	-.728	-.262	.466	1.075	.888
	.30	-1.042	-.365	.677	1.208	.929		.30	-.600	-.258	.342	1.023	.886
	.35	-.964	-.365	.599	1.174	.929		.35	-.587	-.285	.303	1.018	.897
	.45	-.600	-.398	.202	1.023	.942		.45	-.528	-.293	.234	.994	.900
	.50		-.382			.936		.50	-.507	-.287	.220	.986	.898
	.60	-.586	-.128	.458	1.017	.834		.60	-.466	-.105	.361	.969	.825
	.70	-.500	.158	.658	.983	.717		.70	-.459	.131	.590	.967	.728
	.75	-.435	.269	.705	.957	.670		.75	-.338	.227	.565	.918	.688
	.85	-.245	.405	.650	.881	.610		.85	-.217	.310	.527	.870	.652
	.90	-.145	.445	.590	.841	.592		.90	-.112	.356	.468	.828	.632
	.95	-.026	.439	.466	.793	.595		.95	.009			.779	
CHORD 5	.01	-.234	.494	.728	.876	.569							
	.03	-1.108	.113	1.221	1.237	.736							
	.05	-1.094	-.065	1.029	1.230	.809							
	.07	-1.099	.111	.989	1.233	.827							
	.12	-1.140	-.201	.939	1.251	.863							
	.20	-1.097	-.253	.844	1.232	.884							
	.30	-.987	-.301	.686	1.184	.903							
	.35	-.851	-.308	.544	1.126	.906							
	.45	-.674	-.337	.338	1.053	.918							
	.50	-.678	-.324	.354	1.055	.913							
	.60	-.623	-.106	.518	1.033	.825							
	.70	-.521	.142	.664	.992	.724							
	.75	-.436	.241	.677	.957	.682							
	.85	-.259	.364	.623	.887	.629							
	.90	-.134	.403	.537	.836	.611							
	.95	-.003	.407	.409	.783	.609							

BALANCE DATA

COEFFICIENT OF	LIFT	.468
	DRAG	.002
	PITCH	-1.895
	ROLL	-2.285
	YAW	.047



TABLE 5.- Continued

POINT NUMBER 432 MACH = .782 RN = 2.229\*10E6 H = 15.917 KPA ALPHA = 2.049 DEG CPSTAR = -.546  
 Q = 3.924 KPA GAMMA = 1.132 P = 11.343 KPA DELTA9 = -8.996 DEG

	X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML	
CHORD 1	.01	-.145	.455	.600	.840	.587	CHORD 6	.01	-.502	.425	.927	.982	.600
	.03	-.715			1.069			.03	-.984	.116	1.100	1.181	.734
	.05	-.976	-.038	.938	1.177	.797		.05	-1.094	-.038	1.056	1.229	.797
	.07	-.994	-.189	.805	1.185	.858		.07	-1.126	-.147	.979	1.243	.841
	.12	-1.062	-.307	.755	1.215	.905		.12	-1.057	-.196	.860	1.212	.861
	.20	-.986	-.407	.579	1.182	.945		.20	-.917	-.246	.672	1.153	.890
	.30	-.868	-.377	.490	1.132	.933		.30	-.623	-.340	.283	1.031	.918
	.35	-.805	-.373	.431	1.105	.931		.35	-.573	-.373	.200	1.011	.931
	.45	-.678	-.398	.280	1.053	.941		.45	-.521	-.412	.109	.990	.947
	.50	-.616	-.366	.249	1.028	.928		.50	-.483	-.416	.067	.975	.948
	.60	-.498	-.114	.384	.981	.828		.60	-.370	-.261	.108	.930	.886
	.70	-.357	.123	.480	.924	.731		.70	-.227	-.016	.212	.873	.788
	.75	-.283	.212	.495	.895	.694		.75	-.111	.060	.171	.826	.757
	.85		.333			.641		.85	-.039			.797	
	.90	-.071	.359	.429	.810	.630		.90	-.067	.245	.312	.809	.680
	.95	-.040	.336	.376	.798	.640		.95	-.014	.266	.280	.787	.670
CHORD 2	.05	-.972	-.093	.879	1.176	.819	CHORD 7	.05	-1.135	-.133	1.002	1.247	.835
	.12	-1.143	-.314	.828	1.250	.907		.12	-.984	-.224	.761	1.181	.871
	.20	-1.036	-.417	.619	1.203	.948		.20	-.641	-.299	.342	1.038	.901
	.30	-.909	-.399	.510	1.149	.941		.30	-.640	-.350	.290	1.038	.922
	.35	-.808	-.396	.413	1.107	.940		.35	-.580	-.350	.230	1.014	.922
	.45	-.682	-.414	.268	1.055	.947		.45	-.497	-.416	.081	.980	.948
	.50	-.613	-.378	.235	1.027	.933		.50	-.455	-.416	.039	.964	.948
	.60	-.515	-.108	.408	.988	.825		.60	-.378	-.244	.134	.933	.879
	.70	-.383	.134	.517	.935	.726		.70	-.249	-.013	.236	.882	.787
	.75	-.296	.226	.522	.900	.688		.75	-.136	.076	.212	.836	.750
	.85	-.174	.362	.536	.851	.629		.85	-.074			.811	
	.90	-.105	.396	.501	.824	.613		.90	-.030	1.067	1.096	.793	.209
	.95	-.035	.393	.428	.796	.615		.95	-.000			.781	
CHORD 3	.05	-1.002	-.076	.926	1.189	.812	CHORD 8	.05	-1.040	-.093	.948	1.205	.819
	.12	-1.167	-.282	.885	1.261	.894		.12	-.894	-.220	.674	1.143	.870
	.20	-1.065	-.403	.662	1.216	.943		.20	-.688	-.302	.386	1.057	.903
	.30	-.949	-.388	.561	1.166	.937		.30	-.607	-.359	.249	1.025	.925
	.35	-.851	-.402	.449	1.125	.943		.35	-.574	-.367	.207	1.012	.929
	.45	-.655	-.416	.239	1.044	.948		.45	-.447	-.398	.100	.980	.941
	.50	-.621	-.380	.241	1.030	.934		.50	-.468	-.400	.069	.969	.941
	.60	-.523	-.108	.415	.991	.825		.60	-.387	-.226	.161	.936	.872
	.70	-.388	.144	.532	.937	.722		.70	-.291	.022	.312	.898	.773
	.75	-.309	.230	.538	.905	.686		.75	-.221	.154	.375	.870	.718
	.85	-.173	.382	.555	.851	.620		.85	-.188	.332	.520	.857	.642
	.90	-.030	.398	.428	.793	.612		.90	-.110	.396	.506	.826	.613
	.95	-.000	-.000	-.000	.781	.782		.95	-.035	.400	.435	.796	.612
CHORD 4	.05	-1.073	-.129	.944	1.219	.834	CHORD 9	.05	-.989	-.135	.855	1.183	.836
	.12	-1.125	-.296	.828	1.242	.900		.12	-.786	-.214	.572	1.098	.867
	.20	-1.133	-.353	.780	1.246	.923		.20	-.632	-.305	.327	1.035	.904
	.30	-1.014	-.365	.649	1.194	.928		.30	-.568	-.300	.268	1.009	.902
	.35	-.884	-.368	.516	1.138	.929		.35	-.556	-.316	.240	1.004	.908
	.45	-.648	-.408	.240	1.041	.945		.45	-.502	-.317	.185	.982	.909
	.50		-.394			.939		.50	-.483	-.307	.176	.975	.905
	.60	-.575	-.132	.444	1.012	.835		.60	-.450	-.116	.335	.962	.828
	.70	-.495	.152	.647	.980	.719		.70	-.452	.127	.579	.962	.729
	.75	-.431	.264	.696	.954	.671		.75	-.333	.224	.556	.915	.689
	.85	-.243	.400	.643	.879	.611		.85	-.218	.309	.527	.869	.652
	.90	-.144	.442	.586	.840	.593		.90	.013	-.008	-.021	.776	.785
	.95	-.026	.436	.462	.792	.595		.95	-.000			.782	
CHORD 5	.01	-.230	.490	.719	.874	.571							
	.03	-1.112	.106	1.218	1.236	.738							
	.05	-1.078	-.072	1.005	1.221	.811							
	.07	-1.098	-.117	.981	1.230	.829							
	.12	-1.137	-.209	.927	1.248	.866							
	.20	-1.088	-.262	.826	1.226	.887							
	.30	-.926	-.311	.615	1.156	.906							
	.35	-.737	-.318	.420	1.078	.909							
	.45	-.684	-.349	.335	1.056	.922							
	.50	-.669	-.338	.331	1.050	.917							
	.60	-.603	-.118	.485	1.023	.829							
	.70	-.490	.131	.620	.977	.728							
	.75	-.422	.228	.650	.950	.687							
	.85	-.253	.351	.604	.883	.633							
	.90	-.133	.392	.525	.835	.615							
	.95	-.006	.396	.402	.784	.614							

BALANCE DATA

COEFFICIENT OF	LIFT	.421
	DRAG	.002
	PITCH	-1.436
	ROLL	-1.954
	YAW	.040

TABLE 5.- Continued

POINT NUMBER 522      MACH = .778      RN = 4.674\*10E6      H = 33.555 KPA      ALPHA = 2.475 DEG      CPSTAR = -.558  
 Q = 8.233 KPA      GAMMA = 1.135      P = 23.969 KPA      DELTA1 = .011 DEG

	X/C	CPU	CPL	DCP	MU	ML		X/C	CPU	CPL	DCP	MU	ML
CHORD 1	.01	-.184	.487	.671	.851	.569	CHORD 6	.01	-.651	.497	1.148	1.037	.564
	.03	-.750			1.077			.03	-1.115	.221	1.336	1.231	.686
	.05	-1.057	-.036	1.020	1.206	.792		.05	-1.227	.056	1.283	1.281	.755
	.07	-1.020	-.159	.861	1.190	.841		.07	-1.285	-.043	1.242	1.308	.795
	.12	-1.157	-.287	.869	1.250	.893		.12	-1.334	-.127	1.207	1.331	.829
	.20	-1.056	-.406	.650	1.206	.940		.20	-1.231	-.149	1.082	1.283	.838
	.30	-.952	-.382	.570	1.161	.930		.30	-1.155	-.213	.942	1.249	.863
	.35	-.885	-.382	.503	1.133	.930		.35	-1.080	-.246	.835	1.216	.876
	.45	-.750	-.419	.331	1.077	.945		.45	-.608	-.255	.353	1.020	.880
	.50	-.626	-.385	.241	1.027	.931		.50	-.579	-.239	.340	1.008	.873
	.60	-.501	-.124	.377	.977	.827		.60	-.576	-.067	.509	1.007	.805
	.70	-.349	.114	.463	.917	.731		.70	-.507	.173	.680	.980	.706
	.75	-.266	.201	.466	.884	.695		.75	-.439	.246	.684	.952	.676
	.85		.333			.638		.85	-.264			.883	
	.90	-.072	.363	.434	.807	.625		.90	-.131	.377	.507	.830	.619
	.95	-.047	.336	.383	.797	.637		.95	-.011	.383	.395	.782	.616
CHORD 2	.05	-1.047	-.046	1.001	1.202	.796	CHORD 7	.05	-1.300	.002	1.302	1.315	.777
	.12	-1.208	-.290	.918	1.273	.893		.12	-1.241	-.109	1.133	1.288	.821
	.20	-1.072	-.414	.658	1.213	.943		.20	-1.193	-.173	1.020	1.266	.847
	.30	-1.005	-.391	.614	1.184	.934		.30	-1.147	-.217	.930	1.245	.864
	.35	-.919	-.390	.529	1.147	.933		.35	-.974	-.232	.742	1.171	.870
	.45	-.706	-.389	.317	1.060	.933		.45	-.556	-.270	.286	.999	.886
	.50	-.623	-.385	.238	1.026	.931		.50	-.546	-.251	.295	.995	.878
	.60	-.513	-.132	.382	.982	.831		.60	-.547	-.072	.475	.996	.807
	.70	-.373	.108	.481	.926	.734		.70	-.469	.146	.615	.965	.718
	.75	-.279	.208	.486	.889	.692		.75	-.361	.225	.587	.922	.685
	.85	-.160	.344	.504	.842	.634		.85	-.245			.876	
	.90	-.101	.384	.484	.818	.616		.90	-.033	.532	.564	.791	.548
	.95	-.037	.378	.415	.793	.618		.95	.000			.778	
CHORD 3	.05	-1.071	-.045	1.027	1.212	.796	CHORD 8	.05	-1.195	.045	1.241	1.267	.759
	.12	-1.225	-.257	.968	1.280	.880		.12	-1.254	-.108	1.146	1.294	.821
	.20	-1.148	-.428	.720	1.246	.948		.20	-1.231	-.184	1.047	1.283	.851
	.30	-1.056	-.387	.669	1.206	.932		.30	-1.169	-.230	.939	1.255	.870
	.35	-.962	-.388	.574	1.165	.932		.35	-.780	-.231	.550	1.090	.870
	.45	-.715	-.415	.300	1.063	.943		.45	-.577	-.256	.320	1.007	.880
	.50	-.614	-.383	.231	1.022	.930		.50	-.587	-.253	.334	1.012	.879
	.60	-.526	-.115	.411	.987	.824		.60	-.544	-.126	.418	.995	.828
	.70	-.388	.135	.522	.932	.723		.70	-.437	.076	.513	.952	.747
	.75	-.295	.213	.508	.895	.690		.75	-.350	.182	.532	.917	.703
	.85	-.162	.374	.536	.843	.620		.85	-.282	.305	.587	.890	.651
	.90	-.029	.400	.429	.789	.609		.90	-.153	.358	.511	.839	.627
	.95	-.001	.400	.001	.778	.778		.95	-.039	.370	.409	.793	.622
CHORD 4	.05	-1.148	-.092	1.056	1.246	.815	CHORD 9	.05	-1.298	.053	1.351	1.314	.756
	.12	-1.187	-.249	.938	1.263	.877		.12	-1.253	-.047	1.206	1.293	.797
	.20	-1.182	-.331	.851	1.261	.910		.20	-1.148	-.141	1.007	1.246	.834
	.30	-1.160	-.359	.801	1.251	.921		.30	-.534	-.197	.337	.990	.856
	.35	-1.072	-.368	.704	1.213	.924		.35	-.511	-.226	.285	.981	.868
	.45	-.625	-.395	.230	1.027	.935		.45	-.521	-.245	.275	.985	.876
	.50		-.380			.929		.50	-.516	-.253	.264	.983	.879
	.60	-.577	-.124	.453	1.008	.828		.60	-.487	-.125	.362	.972	.828
	.70	-.496	.145	.640	.975	.718		.70	-.489	.108	.596	.972	.734
	.75	-.418	.244	.662	.944	.677		.75	-.354	.206	.559	.919	.693
	.85	-.236	.376	.612	.872	.619		.85	-.227	.287	.513	.868	.658
	.90	-.136	.419	.556	.832	.600		.90	.008	-.001	-.009	.775	.778
	.95	-.016	.423	.439	.784	.598		.95	-.003			.779	
CHORD 5	.01	-.263	.531	.794	.883	.548							
	.03	-1.191	.163	1.355	1.265	.711							
	.05	-1.186	-.024	1.162	1.263	.787							
	.07	-1.171	-.047	1.124	1.256	.797							
	.12	-1.271	-.171	1.099	1.301	.846							
	.20	-1.205	-.211	.994	1.271	.862							
	.30	-1.165	-.275	.889	1.253	.888							
	.35	-1.114	-.286	.828	1.231	.892							
	.45	-.715	-.309	.406	1.063	.901							
	.50	-.614	-.290	.324	1.022	.894							
	.60	-.615	-.101	.515	1.023	.818							
	.70	-.532	.159	.692	.990	.712							
	.75	-.448	.243	.691	.956	.677							
	.85	-.256	.354	.611	.880	.629							
	.90	-.121	.353	.473	.826	.630							
	.95	.002	.376	.373	.777	.619							

BALANCE DATA

COEFFICIENT OF LIFT      .549  
 DRAG                      .017  
 PITCH                     -2.300  
 ROLL                      -2.753  
 YAW                       .092



TABLE 5.- Continued

POINT NUMBER 543      MACH = .779      RN = 4.637\*10E6      H = 33.712 KPA      ALPHA = 2.475 DEG      CPSTAR = -.556  
 Q = 8.277 KPA      GAMMA = 1.134      P = 24.074 KPA      DELTA6 = 3.061 DEG

CHORD 1						CHORD 6						
X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML	
.01	-.193	.493	.685	.856	.567	.01	-.671	.506	1.177	1.046	.560	
.03	-.758			1.082		.03	-1.129	.233	1.362	1.238	.682	
.05	-1.067	-.026	1.041	1.211	.789	.05	-1.243	.067	1.310	1.290	.751	
.07	-1.033	-.148	.885	1.197	.838	.07	-1.299	-.032	1.267	1.315	.791	
.12	-1.163	-.275	.888	1.254	.888	.12	-1.352	-.117	1.235	1.340	.826	
.20	-1.062	-.390	.673	1.209	.934	.20	-1.255	-.141	1.113	1.295	.835	
.30	-.978	-.364	.614	1.173	.923	.30	-1.193	-.205	.988	1.267	.860	
.35	-.923	-.362	.561	1.150	.923	.35	-1.175	-.239	.936	1.259	.874	
.45	-.844	-.388	.457	1.117	.933	.45	-.708	-.249	.459	1.061	.878	
.50	-.716	-.350	.366	1.065	.918	.50	-.559	-.232	.326	1.001	.871	
.60	-.552	-.083	.468	.998	.812	.60	-.552	-.063	.488	.998	.804	
.70	-.418	.158	.576	.945	.713	.70	-.498	.176	.675	.977	.706	
.75	-.356	.252	.608	.920	.674	.75	-.434	.244	.679	.951	.677	
.85		.384		.617	.617	.85	-.265			.884		
.90	-.100	.398	.498	.818	.610	.90	-.134	.379	.513	.832	.619	
.95	-.052	.361	.413	.799	.626	.95	-.012	.388	.400	.783	.615	
CHORD 2						CHORD 7						
.05	-1.055	-.035	1.020	1.206	.793	.05	-1.321	.004	1.325	1.326	.777	
.12	-1.221	-.260	.961	1.279	.882	.12	-1.265	-.101	1.163	1.300	.819	
.20	-1.103	-.400	.703	1.227	.938	.20	-1.209	-.168	1.041	1.274	.846	
.30	-1.056	-.372	.684	1.207	.927	.30	-1.183	-.212	.971	1.262	.863	
.35	-.958	-.369	.589	1.165	.925	.35	-1.120	-.227	.893	1.235	.869	
.45	-.873	-.366	.507	1.129	.924	.45	-.562	-.265	.297	1.002	.884	
.50	-.713	-.346	.367	1.063	.917	.50	-.527	-.267	.280	.988	.877	
.60	-.559	-.076	.483	1.001	.809	.60	-.536	-.073	.463	.992	.808	
.70	-.437	.167	.604	.953	.710	.70	-.468	.147	.615	.965	.718	
.75	-.358	.254	.612	.921	.673	.75	-.362	.225	.587	.923	.685	
.85	-.215	.385	.600	.865	.616	.85	-.247			.877		
.90	-.126	.411	.537	.829	.604	.90	-.000	-.001	-.000	.778	.778	
.95	-.044	.408	.452	.796	.605	.95	-.285			.892		
CHORD 3						CHORD 8						
.05	-1.083	-.046	1.037	1.218	.797	.05	-1.205	.057	1.262	1.273	.755	
.12	-1.235	-.241	.994	1.286	.875	.12	-1.273	-.100	1.173	1.303	.818	
.20	-1.183	-.410	.773	1.262	.942	.20	-1.267	-.178	1.088	1.301	.850	
.30	-1.087	-.367	.720	1.220	.925	.30	-1.226	-.224	1.002	1.282	.868	
.35	-.992	-.364	.628	1.179	.924	.35	-1.167	-.226	.941	1.255	.869	
.45	-.870	-.363	.507	1.128	.923	.45	-.542	-.249	.292	.994	.878	
.50	-.666	-.343	.322	1.044	.915	.50	-.525	-.244	.281	.988	.876	
.60	-.568	-.080	.488	1.005	.811	.60	-.526	-.091	.435	.988	.815	
.70	-.440	.164	.604	.954	.711	.70	-.432	.116	.549	.951	.731	
.75	-.356	.239	.594	.920	.680	.75	-.348	.215	.563	.917	.690	
.85	-.200	.384	.584	.858	.616	.85	-.284	.333	.617	.892	.639	
.90	-.004	.400	.004	.780	.778	.90	-.156	.376	.532	.841	.620	
.95	-.201	.495	.696	.859	.565	.95	-.039	.377	.417	.794	.619	
CHORD 4						CHORD 9						
.05	-1.157	-.075	1.082	1.251	.808	.05	-1.318	-.004	1.314	1.324	.780	
.12	-1.206	-.233	.973	1.273	.872	.12	-1.280	-.106	1.174	1.307	.821	
.20	-1.180	-.310	.869	1.261	.902	.20	-1.175	-.197	.978	1.259	.857	
.30	-1.178	-.340	.839	1.260	.914	.30	-.625	-.238	.387	1.028	.874	
.35	-1.120	-.348	.772	1.235	.917	.35	-.486	-.249	.238	.972	.878	
.45	-.941	-.374	.567	1.157	.927	.45	-.507	-.261	.245	.980	.883	
.50		-.359			.922	.50	-.510	-.257	.253	.982	.881	
.60	-.599	-.118	.481	1.017	.826	.60	-.492	-.094	.398	.974	.816	
.70	-.519	.156	.675	.985	.714	.70	-.487	.132	.620	.972	.724	
.75	-.437	.244	.681	.952	.677	.75	-.355	.224	.579	.920	.686	
.85	-.247	.373	.620	.877	.621	.85	-.228	.304	.532	.870	.652	
.90	-.143	.418	.561	.836	.601	.90	-.003	-.001	.002	.779	.779	
.95	-.021	.414	.434	.787	.603	.95	-.680			1.050		
CHORD 5						BALANCE DATA						
.01	-.275	.540	.815	.888	.544	COEFFICIENT OF LIFT					.597	
.03	-1.203	.178	1.381	1.272	.705	DRAG					.019	
.05	-1.206	-.008	1.198	1.273	.781	PITCH					-2.342	
.07	-1.183	-.033	1.150	1.262	.792	ROLL					-2.858	
.12	-1.267	-.169	1.098	1.301	.846	YAW					.099	
.20	-1.218	-.193	1.025	1.278	.856							
.30	-1.183	-.264	.919	1.263	.884							
.35	-1.152	-.276	.876	1.249	.889							
.45	-1.088	-.299	.789	1.220	.898							
.50	-.661	-.265	.396	1.042	.884							
.60	-.575	-.096	.479	1.008	.817							
.70	-.522	.162	.685	.987	.712							
.75	-.446	.247	.693	.956	.676							
.85	-.259	.365	.624	.882	.625							
.90	-.124	.376	.500	.828	.620							
.95	.002	.380	.378	.777	.618							

TABLE 5.- Continued

POINT NUMBER 551 MACH = .778 RN = 4.689\*10E6 H = 33.928 KPA ALPHA = 2.475 DEG CPSTAR = -.557  
 Q = 8.327 KPA GAMMA = 1.134 P = 24.232 KPA DELTA6 = 6.035 DEG

						BALANCE DATA							
						COEFFICIENT OF							
	X/C	CPU	CPL	DCP	MU	ML							
CHORD 1	.01	-.191	.497	.687	.854	.565	CHORD 6	.01	-.697	.520	1.216	1.056	.554
	.03	-.771			1.087			.03	-1.153	.246	1.399	1.249	.676
	.05	-1.080	-.019	1.061	1.217	.786		.05	-1.264	.081	1.345	1.299	.745
	.07	-1.053	-.141	.912	1.205	.835		.07	-1.319	-.017	1.301	1.324	.785
	.12	-1.175	-.264	.910	1.258	.884		.12	-1.376	-.105	1.272	1.351	.820
	.20	-1.074	-.379	.695	1.214	.929		.20	-1.283	-.128	1.154	1.307	.830
	.30	-.996	-.349	.647	1.180	.917		.30	-1.238	-.199	1.038	1.287	.858
	.35	-.967	-.344	.623	1.168	.915		.35	-1.220	-.231	.989	1.279	.870
	.45	-.891	-.359	.532	1.136	.921		.45	-.898	-.239	.659	1.139	.874
	.50	-.821	-.317	.504	1.107	.905		.50	-.574	-.233	.341	1.007	.871
	.60	-.602	-.046	.556	1.018	.797		.60	-.526	-.064	.462	.988	.804
	.70	-.484	.202	.686	.971	.695		.70	-.487	.171	.657	.972	.708
	.75	-.443	.298	.742	.955	.654		.75	-.429	.246	.675	.949	.676
	.85		.435		.593	.593		.85	-.265			.884	
	.90	-.118	.435	.553	.826	.593		.90	-.135	.383	.518	.832	.617
	.95	-.055	.381	.436	.800	.617		.95	-.011	.391	.401	.782	.613
CHORD 2	.05	-1.066	-.029	1.037	1.211	.790	CHORD 7	.05	-1.342	.017	1.359	1.335	.771
	.12	-1.229	-.263	.966	1.283	.883		.12	-1.289	-.090	1.199	1.310	.814
	.20	-1.114	-.377	.736	1.231	.929		.20	-1.237	-.160	1.078	1.287	.842
	.30	-1.077	-.356	.721	1.215	.920		.30	-1.202	-.207	.995	1.271	.861
	.35	-.995	-.352	.643	1.180	.918		.35	-1.175	-.220	.955	1.258	.866
	.45	-.953	-.349	.604	1.162	.917		.45	-.632	-.257	.374	1.030	.881
	.50	-.894	-.310	.583	1.137	.902		.50	-.511	-.241	.270	.982	.875
	.60	-.600	-.052	.548	1.017	.799		.60	-.504	-.068	.436	.979	.805
	.70	-.501	.178	.679	.978	.705		.70	-.457	.150	.607	.960	.717
	.75	-.440	.282	.722	.953	.661		.75	-.359	.229	.588	.921	.683
	.85	-.256	.403	.659	.880	.607		.85	-.249			.878	
	.90	-.137	.426	.563	.833	.597		.90	-.000	-.001	-.001	.778	.779
	.95	-.034	.404	.438	.792	.607		.95	-.294			.895	
CHORD 3	.05	-1.091	-.019	1.072	1.221	.786	CHORD 8	.05	-1.223	.070	1.293	1.280	.749
	.12	-1.245	-.236	1.010	1.290	.872		.12	-1.294	-.089	1.205	1.313	.814
	.20	-1.219	-.396	.823	1.278	.936		.20	-1.296	-.171	1.124	1.313	.847
	.30	-1.127	-.350	.777	1.237	.918		.30	-1.258	-.216	1.042	1.296	.864
	.35	-1.038	-.347	.690	1.198	.917		.35	-1.234	-.220	1.014	1.285	.866
	.45	-.958	-.345	.613	1.164	.916		.45	-.578	-.247	.331	1.009	.877
	.50	-.882	-.310	.571	1.132	.902		.50	-.501	-.242	.260	.978	.875
	.60	-.603	-.047	.556	1.018	.797		.60	-.503	-.096	.407	.978	.817
	.70	-.495	.190	.685	.975	.700		.70	-.425	.113	.538	.948	.732
	.75	-.411	.264	.675	.942	.668		.75	-.345	.211	.556	.916	.691
	.85	-.229	.377	.606	.870	.619		.85	-.285	.329	.613	.892	.641
	.90	-.000	.006	.606	.778	.776		.90	-.156	.377	.533	.841	.619
	.95	-.194	.499	.692	.856	.564		.95	-.039	.379	.417	.794	.618
CHORD 4	.05	-1.170	-.059	1.111	1.256	.802	CHORD 9	.05	-1.335	.005	1.340	1.332	.776
	.12	-1.230	-.218	1.012	1.283	.865		.12	-1.304	-.097	1.207	1.317	.817
	.20	-1.206	-.290	.916	1.272	.894		.20	-1.216	-.192	1.024	1.277	.855
	.30	-1.210	-.318	.892	1.274	.905		.30	-.891	-.233	.657	1.136	.872
	.35	-1.166	-.326	.840	1.255	.908		.35	-.484	-.247	.237	.971	.877
	.45	-1.086	-.347	.739	1.219	.917		.45	-.480	-.258	.223	.969	.881
	.50		-.335			.912		.50	-.491	-.255	.236	.974	.880
	.60	-.602	-.108	.493	1.018	.822		.60	-.488	-.094	.394	.973	.816
	.70	-.535	.157	.691	.991	.714		.70	-.487	.133	.620	.972	.724
	.75	-.451	.253	.704	.958	.673		.75	-.357	.224	.581	.920	.685
	.85	-.258	.376	.634	.881	.620		.85	-.231	.307	.538	.870	.650
	.90	-.151	.421	.572	.839	.599		.90	-.002	-.002	-.000	.779	.779
	.95	-.025	.416	.442	.788	.602		.95	-.699			1.057	
CHORD 5	.01	-.296	.553	.849	.896	.538							
	.03	-1.216	.195	1.412	1.277	.698							
	.05	-1.230	.011	1.242	1.283	.773							
	.07	-1.211	-.016	1.195	1.275	.785							
	.12	-1.288	-.151	1.137	1.310	.839							
	.20	-1.244	-.184	1.060	1.290	.852							
	.30	-1.227	-.247	.980	1.282	.877							
	.35	-1.174	-.263	.911	1.258	.883							
	.45	-1.176	-.286	.890	1.259	.892							
	.50	-.967	-.258	.709	1.168	.881							
	.60	-.541	-.091	.450	.994	.815							
	.70	-.506	.168	.673	.979	.709							
	.75	-.441	.253	.694	.954	.673							
	.85	-.263	.387	.650	.883	.615							
	.90	-.128	.380	.508	.829	.618							
	.95	.002	.384	.383	.777	.616							

TABLE 5.- Continued

POINT NUMBER 576 MACH = .783 RN = 4.697\*10E6 H = 34.342 KPA ALPHA = 2.475 DEG CPSTAR = -.542  
 Q = 8.490 KPA GAMMA = 1.134 P = 24.439 KPA DELTA9 = 3.064 DEG

POINT NUMBER 576						POINT NUMBER 576					
X/C	CPU	CPL	DCP	MU	ML	X/C	CPU	CPL	DCP	MU	ML
CHORD 1 .01	-.175	.478	.654	.853	.577	CHORD 6 .01	-.651	.503	1.153	1.044	.565
.03	-.750			1.085		.03	-1.113	.227	1.340	1.239	.688
.05	-1.059	-.044	1.016	1.216	.800	.05	-1.226	.068	1.293	1.290	.755
.07	-1.012	-.166	.846	1.195	.850	.07	-1.280	-.031	1.249	1.315	.795
.12	-1.152	-.298	.854	1.257	.902	.12	-1.333	-.115	1.218	1.340	.829
.20	-1.050	-.418	.632	1.212	.950	.20	-1.224	-.131	1.093	1.290	.835
.30	-.961	-.393	.568	1.173	.940	.30	-1.165	-.195	.970	1.263	.861
.35	-.890	-.394	.496	1.143	.941	.35	-1.126	-.220	.906	1.245	.871
.45	-.747	-.430	.317	1.084	.955	.45	-.747	-.221	.526	1.083	.871
.50	-.627	-.399	.228	1.034	.943	.50	-.611	-.196	.414	1.028	.862
.60	-.498	-.135	.364	.983	.837	.60	-.612	-.018	.593	1.028	.790
.70	-.342	.100	.442	.920	.742	.70	-.566	.218	.784	1.010	.692
.75	-.260	.187	.447	.887	.705	.75	-.507	.280	.787	.986	.665
.85		.317			.649	.85	-.252			.884	
.90	-.068	.346	.414	.810	.636	.90	-.103	.399	.503	.824	.613
.95	-.047	.324	.371	.801	.646	.95	-.029	.401	.430	.794	.612
CHORD 2 .05	-1.041	-.056	.985	1.208	.805	CHORD 7 .05	-1.318	.007	1.325	1.334	.780
.12	-1.210	-.306	.904	1.283	.906	.12	-1.245	-.092	1.153	1.299	.820
.20	-1.090	-.426	.664	1.229	.953	.20	-1.210	-.157	1.053	1.283	.846
.30	-1.019	-.403	.616	1.198	.944	.30	-1.156	-.196	.960	1.258	.861
.35	-.923	-.399	.524	1.157	.943	.35	-1.115	-.207	.908	1.240	.868
.45	-.735	-.423	.312	1.078	.952	.45	-.643	-.237	.407	1.041	.878
.50	-.623	-.395	.229	1.033	.941	.50	-.554	-.216	.338	1.005	.869
.60	-.509	-.126	.383	.987	.833	.60	-.572	-.036	.536	1.012	.797
.70	-.368	.113	.481	.930	.736	.70	-.517	.180	.697	.990	.708
.75	-.273	.202	.475	.892	.699	.75	-.429	.249	.678	.955	.679
.85	-.157	.337	.494	.846	.640	.85	-.257			.886	
.90	-.099	.373	.472	.823	.625	.90	-.000	-.001	-.001	.783	.783
.95	-.037	.371	.408	.797	.626	.95	-.257			.886	
CHORD 3 .05	-1.068	-.056	1.012	1.219	.805	CHORD 8 .05	-1.199	.062	1.261	1.278	.757
.12	-1.222	-.266	.956	1.288	.890	.12	-1.265	-.091	1.174	1.309	.819
.20	-1.148	-.438	.710	1.255	.958	.20	-1.249	-.168	1.080	1.301	.850
.30	-1.061	-.401	.659	1.216	.944	.30	-1.204	-.208	.995	1.280	.867
.35	-.959	-.404	.555	1.172	.945	.35	-1.150	-.208	.943	1.256	.866
.45	-.732	-.417	.315	1.077	.950	.45	-.577	-.226	.351	1.014	.874
.50	-.612	-.393	.219	1.028	.940	.50	-.553	-.222	.330	1.004	.872
.60	-.523	-.126	.397	.992	.833	.60	-.553	-.075	.477	1.004	.813
.70	-.383	.122	.505	.936	.732	.70	-.459	.130	.589	.967	.729
.75	-.291	.207	.498	.899	.697	.75	-.369	.219	.588	.931	.692
.85	-.158	.361	.519	.846	.630	.85	-.294	.320	.614	.901	.648
.90	-.001	-.001	-.000	.783	.783	.90	-.160	.358	.518	.847	.631
.95	-.179	.477	.656	.855	.577	.95	-.045	.367	.413	.801	.627
CHORD 4 .05	-1.141	-.091	1.051	1.252	.819	CHORD 9 .05	-1.313	.001	1.314	1.331	.782
.12	-1.183	-.251	.931	1.271	.884	.12	-1.276	-.103	1.173	1.314	.824
.20	-1.178	-.322	.856	1.269	.912	.20	-1.175	-.196	.979	1.267	.862
.30	-1.156	-.362	.794	1.259	.928	.30	-.819	-.234	.585	1.113	.877
.35	-1.081	-.371	.710	1.225	.932	.35	-.484	-.245	.240	.977	.881
.45	-.644	-.400	.244	1.041	.943	.45	-.487	-.259	.228	.978	.887
.50		-.386			.938	.50	-.499	-.255	.244	.983	.885
.60	-.575	-.126	.449	1.013	.833	.60	-.487	-.092	.395	.978	.820
.70	-.496	.145	.641	.982	.723	.70	-.489	.132	.621	.979	.728
.75	-.420	.244	.664	.951	.681	.75	-.358	.224	.582	.926	.690
.85	-.239	.375	.614	.879	.624	.85	-.231	.303	.534	.875	.655
.90	-.137	.419	.556	.838	.604	.90	-.003	-.002	.001	.784	.783
.95	-.016	.423	.439	.789	.602	.95	-.653			1.045	
CHORD 5 .01	-.257	.529	.785	.886	.553	BALANCE DATA					
.03	-1.182	.162	1.344	1.270	.716	COEFFICIENT OF LIFT .587					
.05	-1.181	-.025	1.156	1.270	.793	ORAG .018					
.07	-1.158	-.046	1.111	1.259	.801	PITCH -2.468					
.12	-1.245	-.180	1.065	1.299	.855	ROLL -2.854					
.20	-1.210	-.212	.997	1.283	.868	YAW .107					
.30	-1.156	-.272	.883	1.258	.892						
.35	-1.116	-.288	.828	1.241	.898						
.45	-.746	-.308	.438	1.083	.906						
.50	-.611	-.279	.332	1.028	.895						
.60	-.610	-.094	.515	1.027	.821						
.70	-.534	.159	.693	.997	.717						
.75	-.447	.245	.691	.962	.681						
.85	-.260	.343	.602	.887	.638						
.90	-.125	.373	.498	.833	.625						
.95	-.000	.377	.377	.783	.623						



TABLE 6.- SUMMARY OF UNSTEADY-PRESSURE TEST PROGRAM

[M = 0.78; R =  $2.2 \times 10^6$ ; control surface number 6]

Point number	ALPHA, deg	DELTA, deg	OSCILLATING DELTA, deg	OSCILLATING FREQUENCY, Hz	
265	0	0	±2	5	
266	↓	↓	↓	10	
267			↓	15	
268			±4	5	
269			↓	10	
270			↓	15	
271			±6	5	
272			↓	10	
273			↓	15	
275			3	±2	5
277			↓	10	
278			↓	15	
279			↓	±4	5
280			↓	10	
283			↓	15	
284			↓	±6	5
285			↓	10	
287			↓	15	
289			6	±6	5
290			↓	10	
291			↓	15	
296	↓	±2	5		
297	↓	10			
298	↓	15			
299	↓	±4	5		
300	↓	↓	10		
301	↓	↓	15		

TABLE 6.- Continued

[M = 0.78; R =  $2.2 \times 10^6$ ; control surface number 6]

Point number	ALPHA, deg	DELTA, deg	OSCILLATING DELTA, deg	OSCILLATING FREQUENCY, Hz		
304	2.05	0	±2	5		
305	↓	↓	↓	10		
306			↓	15		
307			±4	5		
308			↓	10		
309			↓	15		
310			↓	5		
311			↓	10		
312			↓	15		
314			↓	3	±2	5
315			↓	↓	↓	10
316			↓	↓	↓	15
318			↓	↓	±4	5
319			↓	↓	↓	10
320			↓	↓	↓	15
321			↓	↓	±6	5
322			↓	↓	↓	10
323			↓	↓	↓	15
325			↓	6	±2	5
326			↓	↓	↓	10
327			↓	↓	↓	15
328			↓	↓	±4	5
329			↓	↓	↓	10
330			↓	↓	↓	15
331			↓	↓	±6	5
332			↓	↓	↓	10
333			↓	↓	↓	15

TABLE 6.- Continued

[M = 0.78; R =  $2.2 \times 10^6$ ; control surface number 9]

Point number	ALPHA, deg	DELTA, deg	OSCILLATING DELTA, deg	OSCILLATING FREQUENCY, Hz					
337	2.05	0	±2	5					
338	↓	↓	↓	10					
339				15					
340				5					
341				10					
342				15					
343				5					
344				10					
345				15					
347				3	±2	5			
348				↓	↓	↓	10		
349							15		
350							5		
351							10		
352							15		
353							5		
354							10		
355							15		
357							-3	±2	5
358							↓	↓	↓
359				15					
360				5					
361				10					
362				15					
363				5					
364				10					
365				15					

TABLE 6.- Continued

[M = 0.78; R = 2.2 × 10<sup>6</sup>; control surface number 9]

Point number	ALPHA, deg	DELTA, deg	OSCILLATING DELTA, deg	OSCILLATING FREQUENCY, Hz	
369	0	0	±2	5	
370	↓	↓	↓	10	
371			↓	15	
372			±4	5	
373			↓	10	
374			↓	15	
375			±6	5	
377			↓	10	
378			↓	15	
381			3	±2	5
382			↓	10	
383			↓	15	
384			±4	5	
385			↓	10	
386			↓	15	
387			±6	5	
388			↓	10	
389			↓	15	
391			-3	±2	5
392			↓	10	
393			↓	15	
394	±4	5			
395	↓	10			
396	↓	15			
400	±6	5			
401	↓	10			
402	↓	15			



TABLE 6.- Concluded

[M = 0.78; R = 4.7 × 10<sup>6</sup>]

Point number	ALPHA, deg	DELTA, deg	OSCILLATING DELTA, deg	OSCILLATING FREQUENCY, Hz
Control surface number 6				
523	2.47	0	±2	5
525	↓	↓	↓	10
529	↓	↓	↓	15
531	↓	↓	±4	5
533	↓	↓	↓	10
535	↓	↓	↓	15
537	↓	↓	±6	5
539	↓	↓	↓	10
541	↓	↓	↓	15
544	↓	3	±2	10
546	↓	3	±4	↓
548	↓	3	±6	↓
552	↓	6	±2	↓
554	↓	6	±4	↓
556	↓	6	±6	↓
Control surface number 9				
558	2.47	0	±2	5
560	↓	↓	↓	10
562	↓	↓	↓	15
564	↓	↓	±4	5
566	↓	↓	↓	10
568	↓	↓	↓	15
570	↓	↓	±6	5
572	↓	↓	↓	10
574	↓	↓	↓	15
578	↓	3	±2	10
581	↓	3	±4	↓
583	↓	3	±6	↓
587	↓	-3	±2	↓
589	↓	-3	±4	↓
591	↓	-3	±6	↓



TABLE 7.- Continued

POINT NUMBER =266

MACH = .784  
Q = 3.942 KPA

RN = 2.216\*10E6  
K = .209

ALPHA = .00 DEG  
DELTA6 = .00 DEG

OSCILLATING DELTA6 (PEAK) = 2.00 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0091	84.7	.0095	-59.3	.0176	-76.9	CHORD 6	.05	.0203	-244.8	.0161	-68.6	.0364	-66.5
	.12	.0094	102.5	.0101	-47.4	.0189	-61.9		.12	.0134	-239.1	.0121	-63.3	.0255	-61.1
	.20	.0139	112.9	.0130	-39.6	.0260	-53.8		.20	.0145	-242.5	.0087	-65.6	.0232	-63.7
	.30	.0099	-201.7	.0145	-27.8	.0243	-25.3		.30	.0125	-232.4	.0061	-69.3	.0184	-57.9
	.35	.0238	139.5	.0171	-20.6	.0402	-32.2		.35	.0099	-232.4	.0049	-74.8	.0145	-59.8
	.45	.0311	-197.8	.0268	-8.5	.0578	-13.5		.45	.0054	-244.7	.0027	-72.9	.0081	-67.4
	.50	.0348	-194.9	.0308	-1.9	.0651	-8.8		.50	.0045	-202.3	.0018	-59.8	.0060	-32.7
	.60	.0425	-181.7	.0281	4.0	.0705	.6		.60	.0071	-193.6	.0006	67.5	.0072	-8.8
	.70	.0549	-174.4	.0319	10.0	.0867	7.2		.70	.0035	-237.2	.0001	71.3	.0034	-55.7
	.75	.0697	-171.8	.0372	11.9	.1069	9.5		.75	.0008	-263.9	.0011	-74.3	.0019	-78.5
	.85			.0358	18.3				.85						
	.90	.0232	-153.2						.90						
	.95	.0114	-141.7	.0224	23.5	.0335	28.5		.95	.0007	-194.4				
CHORD 2	.05	.0097	-254.0	.0095	-67.4	.0191	-70.7	CHORD 7	.05	.0187	-248.3	.0170	-66.3	.0357	-67.3
	.12	.0098	-251.0	.0099	-54.4	.0194	-62.7		.12	.0146	-250.0	.0117	-62.4	.0262	-66.6
	.20	.0224	-251.8	.0149	-41.6	.0360	-59.8		.20	.0067	-250.6	.0084	-61.2	.0151	-65.3
	.35	.0266	-220.0	.0201	-15.0	.0456	-29.3		.35	.0077	-230.2	.0057	-72.1	.0131	-59.5
	.60	.0410	-181.4	.0274	6.4	.0683	1.7		.60	.0034	-287.7	.0008	-27.2	.0036	-94.9
	.75	.0560	-170.6	.0257	12.6	.0817	10.4		.75	.0011	-218.3	.0005	-31.8	.0016	-36.3
	.85	.0508	-166.3						.85	.0005	-234.1				
	.90	.0259	-159.9	.0195	21.0	.0454	20.5		.90	.0003	-264.1	.0128	5.4	.0128	4.2
	.95	.0148	-156.0						.95	.0004	-70.2	.0009	132.1	.0013	125.0
CHORD 3	.05	.0103	105.5	.0107	-59.1	.0207	-66.7	CHORD 8	.05	.0172	-246.2	.0156	-75.5	.0327	-70.6
	.12	.0118	109.0	.0138	-50.3	.0252	-59.8		.12	.0143	-242.5	.0101	-77.6	.0242	-68.7
	.20	.0166	115.8	.0147	-34.7	.0302	-50.3		.20	.0116	-243.4				
	.75	.0490	-169.5	.0202	12.0	.0692	10.9		.75	.0016	-235.6	.0009	-108.8	.0023	-74.7
	.85			.0176	23.6				.85						
	.90	.0240	-166.8						.90						
	.95			.0115	22.5				.95						
CHORD 4	.05	.0148	108.7	.0140	-55.5	.0285	-63.6	CHORD 9	.05	.0138	-254.7	.0125	-92.4	.0260	-83.2
	.12	.0107	115.6	.0139	-43.6	.0242	-52.6		.12	.0104	-254.2	.0077	-96.5	.0178	-83.7
	.20	.0263	125.2	.0158	-36.6	.0416	-48.0		.20	.0089	-248.8	.0058	-89.8	.0145	-77.0
	.35	.0283	143.7	.0171	-18.9	.0449	-29.8		.35	.0083	-266.0	.0037	-88.6	.0120	-86.8
	.60	.0274	-182.2	.0014	-95.8	.0273	-5.1		.60	.0005	-192.4	.0005	-137.9	.0004	-79.0
	.75	.0165	-173.2	.0043	8.7	.0209	7.2		.75	.0029	-240.9	.0007	-124.7	.0033	-71.8
	.85	.0078	-164.5	.0039	-2.3	.0116	9.6		.85	.0017	-245.2				
	.95								.95						
CHORD 5	.05	.0221	-241.5	.0210	-55.2	.0431	-58.4								
	.12	.0172	-237.2	.0178	-48.8	.0349	-52.9								
	.20	.0259	-228.3	.0154	-45.4	.0413	-47.2								
	.35	.0168	-211.4	.0073	-37.2	.0241	-33.2								
	.60	.0083	-186.2	.0031	4.2	.0114	-3.4								
	.75	.0021	-165.3												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =268

MACH = .783  
U = 3.941 KPA

RN = 2.215\*10E6  
K = .104

ALPHA = .00 DEG  
DELTA6 = -.03 DEG

OSCILLATING DELTA6 (PEAK) = 4.00 DEG  
OSCILLATING FREQUENCY = 4.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0137	131.5	.0158	-38.4	.0293	-43.1	CHORD 6	.05	.0428	146.2	.0327	-29.4	.0754	-31.9		
	.12	.0157	138.5	.0185	-30.8	.0341	-35.7		.12	.0275	147.2	.0249	-27.0	.0523	-30.0		
	.20	.0249	144.4	.0258	-26.0	.0505	-30.7		.20	.0291	150.2	.0169	-26.5	.0460	-28.6		
	.30	.0181	160.5	.0291	-20.8	.0472	-20.3		.30	.0227	153.6	.0137	-25.8	.0363	-26.2		
	.35	.0410	157.3	.0306	-16.9	.0715	-20.2		.35	.0196	152.2	.0130	-28.4	.0326	-28.0		
	.45	.0603	166.4	.0527	-7.9	.1129	-10.9		.45	.0158	157.2	.0092	-27.7	.0250	-24.6		
	.50	.0659	172.3	.0616	-5.2	.1274	-6.5		.50	.0135	162.8	.0064	-21.5	.0198	-18.6		
	.60	.0845	176.6	.0582	1.1	.1426	-1.5		.60	.0147	163.0	.0014	-328.2	.0156	-13.1		
	.70	.1076	180.2	.0650	3.8	.1725	1.5		.70	.0073	141.8	.0012	-342.9	.0080	-31.1		
	.75	.1347	181.5	.0731	4.6	.2077	2.6		.75	.0031	139.4	.0034	-19.3	.0063	-29.4		
	.85			.0660	9.3				.85								
	.90	.0427	189.5						.90								
	.95	.0200	194.8	.0426	11.3	.0626	12.4		.95	.0020	145.3						
CHORD 2	.05	.0204	141.3	.0204	-29.3	.0407	-34.0	CHORD 7	.05	.0410	144.5	.0359	-36.7	.0769	-36.1		
	.12	.0224	141.0	.0204	-23.7	.0424	-31.7		.12	.0325	145.7	.0271	-34.8	.0595	-34.5		
	.20	.0455	142.7	.0279	-21.7	.0727	-31.4		.20	.0191	147.0	.0164	-32.8	.0355	-32.9		
	.35	.0517	155.7	.0382	-12.7	.0894	-19.4		.35	.0197	142.2	.0091	-39.0	.0288	-38.2		
	.60	.0802	-181.1	.0547	1.4	.1349	-1.1		.60	.0072	-179.3	.0014	-31.0	.0084	-4.4		
	.75	.1117	-177.8	.0509	4.7	.1625	3.0		.75	.0045	-179.4	.0013	-18.5	.0057	-3.7		
	.85	.0946	-175.3						.85	.0028	172.1						
	.90	.0458	-172.0	.0378	9.1	.0837	8.5		.90	.0021	-181.2	.0238	2.8	.0259	2.5		
	.95	.0270	-170.3						.95	.0013	-131.1	.0002	132.6	.0013	55.8		
	CHORD 3	.05	.0201	139.5	.0201	-33.6	.0401		-37.0	CHORD 8	.05	.0376	143.6	.0309	-33.7	.0685	-35.2
.12		.0228	141.0	.0258	-28.6	.0484	-33.5	.12	.0293		144.6	.0204	-33.5	.0497	-34.6		
.20		.0311	144.6	.0327	-25.7	.0635	-30.5	.20	.0230		147.4						
.75		.0947	181.6	.0404	4.2	.1351	2.4	.75	.0021		161.3	.0015	-11.4	.0036	-15.6		
.85				.0288	7.5			.85									
.90		.0480	183.8					.90									
CHORD 4	.05	.0299	144.8	.0301	-30.9	.0600	-33.1	CHORD 9	.05	.0307	140.8	.0265	-37.8	.0572	-38.5		
	.12	.0205	146.3	.0311	-25.5	.0515	-28.8		.12	.0250	140.8	.0162	-37.7	.0412	-38.6		
	.20	.0495	150.0	.0354	-21.4	.0847	-26.4		.20	.0184	137.6	.0115	-35.7	.0299	-39.8		
	.35	.0507	159.9	.0401	-9.3	.0904	-15.4		.35	.0102	131.9	.0065	-32.2	.0165	-41.9		
	.60	.0567	179.9	.0029	-28.6	.0592	-1.4		.60	.0047	133.6	.0004	-35.6	.0051	-45.6		
	.75	.0313	179.3	.0091	.4	.0405	-1.5		.75	.0029	121.5	.0011	-13.8	.0038	-46.8		
	.85	.0173	182.4	.0087	-1.5	.0260	1.1		.85	.0008	48.9						
	.95								.95								
	CHORD 5	.05	.0437	148.8	.0439	-28.6	.0876		-29.9								
		.12	.0359	149.1	.0364	-26.4	.0723		-28.6								
.20		.0534	153.3	.0319	-23.2	.0853	-25.4										
.35		.0378	162.3	.0220	-14.4	.0598	-16.5										
.60		.0215	167.5	.0046	16.5	.0256	-7.5										
.75		.0046	-175.0														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =270

MACH = .783  
Q = 3.944 KPA

RN = 2.218\*10E6  
K = .313

ALPHA = .00 DEG  
DELTA6 = -.07 DEG

OSCILLATING DELTA6 (PEAK) = 4.04 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0157	42.4	.0126	-97.5	.0267	-119.8	CHORD 6	.05	.0347	80.7	.0243	-107.6	.0589	-102.7	
	.12	.0187	52.5	.0145	-80.2	.0305	-107.0		.12	.0239	85.0	.0170	-106.3	.0407	-99.7	
	.20	.0326	66.5	.0211	-62.9	.0488	-94.0		.20	.0251	94.9	.0105	-111.4	.0348	-92.8	
	.30	.0263	109.6	.0277	-44.5	.0526	-57.1		.30	.0219	99.9	.0076	-111.8	.0287	-88.2	
	.35	.0474	103.1	.0304	-34.9	.0729	-60.7		.35	.0176	106.1	.0073	-107.1	.0240	-83.5	
	.45	.0673	133.4	.0492	-19.1	.1133	-35.0		.45	.0129	107.6	.0054	-103.7	.0178	-81.5	
	.50	.0740	145.8	.0582	-10.3	.1294	-23.7		.50	.0125	120.5	.0041	-110.1	.0154	-71.4	
	.60	.0870	165.3	.0567	.2	.1426	-8.8		.60	.0088	119.9	.0009	-187.0	.0083	-65.3	
	.70	.1115	178.5	.0647	6.7	.1758	1.5		.70	.0042	167.1	.0013	-180.0	.0029	-18.5	
	.75	.1410	-176.2	.0740	9.0	.2147	5.6		.75	.0035	167.1	.0022	-138.0	.0029	-51.1	
	.85			.0694	22.0				.85							
	.90	.0486	-152.8						.90							
	.95	.0258	-141.9	.0452	27.0	.0708	31.0		.95	.0005	93.2					
CHORD 2	.05	.0198	53.1	.0131	-96.9	.0319	-115.0	CHORD 7	.05	.0320	71.6	.0282	-115.8	.0600	-111.9	
	.12	.0182	58.0	.0155	-76.8	.0312	-101.3		.12	.0243	76.8	.0205	-114.6	.0446	-108.4	
	.20	.0363	67.8	.0226	-63.3	.0539	-93.8		.20	.0147	85.6	.0121	-116.3	.0263	-104.3	
	.35	.0503	111.9	.0352	-34.6	.0820	-54.4		.35	.0127	92.1	.0081	-111.9	.0204	-97.3	
	.60	.0876	170.6	.0536	1.0	.1407	-5.4		.60	.0074	103.4	.0032	-90.9	.0105	-80.9	
	.75	.1130	185.2	.0498	10.6	.1626	6.9		.75	.0032	136.8	.0024	-100.8	.0049	-67.2	
	.85	.0964	192.2						.85	.0024	129.1					
	.90	.0480	201.9	.0390	23.8	.0870	22.7		.90	.0015	125.3	.0213	-4.4	.0222	-3.7	
	.95	.0307	202.8						.95	.0013	170.6	.0008	77.5	.0016	23.0	
	CHORD 3	.05	.0193	47.1	.0142	-90.5	.0312		-115.1	CHORD 8	.05	.0321	69.3	.0223	-123.4	.0542
.12		.0233	55.4	.0196	-78.5	.0395	-103.6	.12	.0231		72.2	.0145	-123.6	.0372	-113.8	
.20		.0321	70.7	.0251	-55.5	.0512	-86.0	.20	.0194		81.4					
.75		.0983	-174.3	.0404	11.3	.1386	7.3	.75	.0024		123.3	.0018	-152.7	.0029	-95.8	
.85				.0306	21.2			.85								
.90		.0485	-167.1					.90								
.95			.0184	32.3			.95									
CHORD 4	.05	.0308	60.3	.0214	-85.1	.0499	-105.6	CHORD 9	.05	.0227	58.6	.0225	-132.6	.0450	-126.9	
	.12	.0229	69.6	.0239	-66.3	.0434	-87.9		.12	.0169	63.0	.0149	-137.1	.0314	-126.4	
	.20	.0494	81.0	.0288	-53.3	.0725	-82.4		.20	.0125	65.5	.0118	-140.0	.0237	-126.8	
	.35	.0613	119.0	.0337	-26.4	.0911	-48.9		.35	.0082	85.2	.0061	-137.2	.0134	-112.9	
	.60	.0617	173.5	.0022	-154.3	.0598	-7.7		.60	.0047	92.5	.0023	-160.6	.0058	-109.5	
	.75	.0328	-173.2	.0080	12.6	.0408	7.9		.75	.0022	118.0	.0023	-160.9	.0029	-112.8	
	.85	.0181	-168.4	.0059	1.3	.0239	9.1		.85	.0011	169.7					
	.95								.95							
	CHORD 5	.05	.0398	84.8	.0310	-91.1	.0707		-93.4							
		.12	.0338	91.0	.0254	-80.4	.0591		-85.3							
.20		.0468	103.6	.0213	-69.5	.0680	-74.2									
.35		.0351	127.2	.0145	-54.7	.0496	-53.3									
.60		.0210	160.6	.0043	-14.5	.0253	-18.5									
.75		.0098	178.0													
.95																





TABLE 7.- Continued

POINT NUMBER #272

MACH = .779  
Q = 3.921 KPA

RN = 2.210\*10E6  
K = .210

ALPHA = .00 DEG  
DELTA6 = -.11 DEG

OSCILLATING DELTA6 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0259	91.6	.0255	-71.9	.0508	-80.2	CHORD 6	.05	.0601	-249.3	.0513	-71.7	.1114	-70.4	
	.12	.0312	99.9	.0283	-62.9	.0588	-71.9		.12	.0428	-246.0	.0382	-70.7	.0809	-68.2	
	.20	.0576	107.4	.0373	-52.5	.0935	-64.7		.20	.0411	-243.3	.0239	-71.5	.0648	-66.3	
	.30	.0433	136.0	.0428	-36.3	.0859	-40.2		.30	.0299	-237.5	.0186	-67.3	.0483	-61.2	
	.35	.0623	137.0	.0490	-28.9	.1105	-36.8		.35	.0255	-233.4	.0176	-63.8	.0430	-57.7	
	.45	.0852	154.8	.0777	-17.9	.1625	-21.7		.45	.0235	-233.8	.0125	-54.9	.0360	-54.2	
	.50	.0942	160.2	.0918	-9.1	.1852	-14.5		.50	.0211	-231.8	.0101	-52.7	.0313	-52.1	
	.60	.1185	171.9	.0861	-1.0	.2043	-5.1		.60	.0119	-225.3	.0034	-33.6	.0152	-42.7	
	.70	.1561	179.9	.0977	3.7	.2537	1.4		.70	.0083	-204.9	.0032	-34.0	.0112	-33.0	
	.75	.1954	182.6	.1104	5.8	.3056	3.7		.75	.0059	-193.2	.0065	-59.9	.0113	-37.8	
	.85			.1055	13.3				.85							
	.90	.0664	199.7						.90							
	.95	.0345	-152.3	.0667	18.5	.1009	21.7		.95	.0023	89.1					
	CHORD 2	.05	.0345	102.3	.0291	-70.0	.0635		-74.2	CHORD 7	.05	.0560	105.7	.0531	-81.6	.1089
.12		.0302	106.3	.0297	-58.2	.0594	-66.0	.12	.0423		110.2	.0394	-79.9	.0814	-74.7	
.20		.0364	119.1	.0413	-48.4	.0772	-54.3	.20	.0265		111.9	.0216	-76.3	.0480	-71.8	
.35		.0702	140.4	.0555	-26.3	.1248	-33.7	.35	.0227		116.3	.0155	-76.4	.0379	-68.9	
.60		.1176	173.3	.0817	.8	.1989	-3.7	.60	.0119		110.6	.0033	-86.0	.0151	-73.0	
.75		.1628	183.2	.0747	6.4	.2374	4.2	.75	.0055		149.3	.0029	-84.2	.0076	-48.4	
.85		.1338	188.9					.85	.0035		158.4					
.90		.0706	194.4	.0578	15.6	.1284	14.9	.90	.0028		156.7	.0335	-.7	.0361	-2.4	
.95		.0296	207.5					.95	.0021		173.2	.0013	153.8	.0010	19.7	
CHORD 3		.05	.0362	101.6	.0313	-70.8	.0673	-74.9	CHORD 8		.05	.0556	104.7	.0447	-78.7	.1002
	.12	.0398	105.4	.0390	-62.7	.0783	-68.7	.12		.0384	107.1	.0298	-76.7	.0682	-74.6	
	.20	.0401	121.0	.0425	-46.2	.0821	-52.4	.20		.0322	-249.4					
	.75	.1392	183.5	.0609	5.9	.2000	4.2	.75		.0035	-230.6	.0034	-67.0	.0069	-58.6	
	.85			.0414	14.6			.85								
	.90	.0711	189.2					.90								
	.95			.0214	32.8			.95								
CHORD 4	.05	.0492	107.8	.0436	-65.4	.0927	-69.0	CHORD 9	.05	.0429	96.9	.0414	-87.7	.0842	-85.3	
	.12	.0381	113.8	.0440	-56.6	.0818	-61.0		.12	.0334	99.4	.0276	-86.2	.0610	-83.1	
	.20	.0612	125.6	.0502	-44.3	.1110	-49.8		.20	.0230	102.1	.0225	-81.7	.0454	-79.8	
	.35	.0769	143.1	.0572	-27.0	.1336	-32.7		.35	.0130	100.8	.0119	-76.9	.0249	-78.1	
	.60	.0800	171.0	.0047	-75.5	.0819	-12.0		.60	.0099	-242.0	.0023	-64.7	.0121	-62.5	
	.75	.0475	181.8	.0126	-3.3	.0601	.8		.75	.0039	-240.4	.0028	-73.8	.0067	-66.0	
	.85	.0258	185.1	.0112	-13.4	.0366	-.5		.85	.0004	25.4					
	.95								.95							
	CHORD 5	.05	.0660	114.9	.0611	-63.3	.1270		-64.2							
.12		.0544	118.6	.0497	-58.2	.1041	-59.9									
.20		.0629	124.9	.0448	-52.5	.1076	-54.1									
.35		.0481	140.2	.0236	-39.7	.0717	-39.8									
.60		.0311	160.9	.0072	-15.6	.0383	-18.5									
.75		.0140	178.6													
.95																



TABLE 7.- Continued

POINT NUMBER =275

MACH = .783  
Q = 3.959 KPA

RN = 2.224\*10E6  
K = .104

ALPHA = .00 DEG  
DELTA6 = 2.99 DEG

OSCILLATING DELTA6 (PEAK) = 2.00 DEG  
OSCILLATING FREQUENCY = 5.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0051	-238.7	.0064	-33.1	.0113	-44.4	CHORD 6	.05	.0191	-212.2	.0146	-29.1	.0337	-30.8	
	.12	.0073	-229.0	.0074	-18.7	.0142	-33.8		.12	.0125	-212.1	.0104	-30.4	.0229	-31.4	
	.20	.0101	-225.2	.0104	-17.9	.0200	-31.4		.20	.0137	-210.4	.0060	-37.7	.0197	-32.6	
	.30	.0128	-206.1	.0141	-15.9	.0268	-20.7		.30	.0082	-188.2	.0058	-33.0	.0136	-18.4	
	.35	.0158	-207.3	.0166	-7.7	.0319	-17.2		.35	.0072	-180.3	.0055	-31.2	.0123	-13.7	
	.45	.0283	-194.9	.0243	-4.4	.0524	-10.0		.45	.0070	-200.6	.0036	-29.2	.0106	-23.6	
	.50	.0249	-188.8	.0267	-2.3	.0515	-5.4		.50	.0108	-205.8	.0031	-30.4	.0139	-26.8	
	.60	.0394	-183.4	.0267	3.1	.0659	-.8		.60	.0088	-210.4	.0006	-29.6	.0094	-30.3	
	.70	.0552	-178.7	.0298	4.7	.0850	2.5		.70	.0027	106.2	.0007	-42.5	.0034	-67.3	
	.75	.0655	-177.2	.0317	5.6	.0972	3.7		.75	.0014	115.2	.0019	-41.7	.0032	-51.5	
	.85			.0327	8.7				.85							
	.90	.0108	-155.7						.90							
	.95	.0060	-150.1	.0203	12.7	.0261	16.6		.95	.0003	-232.6					
CHORD 2	.05	.0090	136.2	.0094	-22.1	.0180	-32.8	CHORD 7	.05	.0197	145.2	.0129	-31.5	.0326	-33.5	
	.12	.0130	143.7	.0099	-17.6	.0226	-28.2		.12	.0145	151.4	.0095	-31.3	.0239	-29.7	
	.20	.0209	147.7	.0147	-12.3	.0351	-24.0		.20	.0090	168.2	.0077	-22.4	.0166	-16.7	
	.35	.0255	155.8	.0203	-18.0	.0458	-21.4		.35	.0083	143.8	.0072	-26.6	.0155	-31.8	
	.60	.0407	178.7	.0247	3.4	.0653	.5		.60	.0061	146.3	.0016	-64.7	.0076	-40.0	
	.75	.0564	184.8	.0197	8.9	.0761	5.9		.75	.0023	135.4	.0013	-42.7	.0037	-43.9	
	.85	.0327	191.2						.85	.0012	190.9					
	.90	.0179	197.5	.0116	16.1	.0295	17.0		.90	.0009	208.4	.0083	9.4	.0091	11.1	
	.95	.0039	310.9						.95	.0275	229.2	.0001	-134.1	.0274	49.2	
	CHORD 3	.05	.0086	-217.9	.0077	-20.3	.0161		-29.6	CHORD 8	.05	.0137	-212.4	.0134	-37.8	.0271
.12		.0116	-217.5	.0110	-18.0	.0222	-28.0	.12	.0120		-202.6	.0088	-39.5	.0206	-29.7	
.20		.0171	-219.6	.0145	-25.6	.0313	-33.1	.20	.0124		-200.6					
.75		.0443	-175.7	.0151	6.5	.0594	4.9	.75	.0015		104.9	.0006	-36.7	.0020	-64.4	
.85				.0026	45.0			.85								
.90		.0164	-167.3					.90								
.95			.0070	172.0			.95									
CHORD 4	.05	.0126	-216.6	.0127	-22.0	.0251	-29.3	CHORD 9	.05	.0140	-207.5	.0106	-35.6	.0246	-31.0	
	.12	.0073	-214.3	.0134	-17.2	.0205	-23.2		.12	.0103	-208.7	.0078	-35.7	.0181	-31.7	
	.20	.0292	-213.8	.0172	-8.5	.0453	-24.5		.20	.0085	-224.2	.0058	-35.9	.0143	-40.8	
	.35	.0191	-197.5	.0177	-1.7	.0365	-9.9		.35	.0067	118.2	.0031	-46.9	.0097	-57.1	
	.60	.0276	-179.0	.0011	-14.9	.0286	.4		.60	.0028	-188.8	.0013	-13.3	.0041	-10.2	
	.75	.0127	-168.9	.0032	2.5	.0159	9.4		.75	.0021	-229.2	.0009	-14.2	.0029	-38.4	
	.85	.0070	-168.3	.0035	-6.2	.0104	5.7		.85	.0005	117.5					
	.95								.95							
	CHORD 5	.05	.0196	149.1	.0196	-24.0	.0392		-27.5							
.12		.0171	148.2	.0153	-19.8	.0321	-26.2									
.20		.0343	150.8	.0120	-13.9	.0460	-25.2									
.35		.0168	169.8	.0119	-23.4	.0286	-15.7									
.60		.0092	175.8	.0028	.7	.0119	-3.1									
.75		.0037	190.7													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =278

MACH = .779  
Q = 3.934 KPA

RN = 2.215\*10E6  
K = .315

ALPHA = .00 DEG  
DELTA6 = 3.02 DEG

OSCILLATING DELTA6 (PEAK) = 2.01 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

CHORD	X/C	UPPER CP		LEWER CP		DELTA CP		CHORD	X/C	UPPER CP		LEWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0065	40.4	.0073	283.7	.0117	-105.9	CHORD 6	.05	.0184	87.3	.0099	-124.8	.0274	-103.8	
	.12	.0078	48.4	.0085	301.3	.0132	-93.4		.12	.0132	98.4	.0068	-120.3	.0189	-94.6	
	.20	.0097	65.3	.0119	-50.2	.0183	-78.6		.20	.0176	105.3	.0049	-120.5	.0213	-84.1	
	.30	.0124	81.5	.0141	-31.8	.0221	-62.7		.30	.0140	130.2	.0041	-146.3	.0141	-66.5	
	.35	.0192	99.3	.0160	-21.5	.0307	-54.0		.35	.0095	131.1	.0036	-157.5	.0090	-71.3	
	.45	.0350	125.8	.0237	-10.2	.0546	-36.7		.45	.0109	149.7	.0019	-158.1	.0098	-39.1	
	.50	.0345	147.4	.0274	-3.8	.0600	-19.9		.50	.0092	155.7	.0014	-132.2	.0089	-33.0	
	.60	.0424	165.5	.0276	6.5	.0689	-6.3		.60	.0058	173.8	.0008	-141.0	.0053	-12.1	
	.70	.0546	181.9	.0309	12.3	.0852	5.7		.70	.0046	205.0	.0011	-160.0	.0035	26.5	
	.75	.0682	185.4	.0332	15.1	.1011	8.6		.75	.0055	204.7	.0016	-157.1	.0039	25.5	
	.85			.0349	24.1				.85							
	.90	.0163	227.1						.90							
	.95	.0100	229.8	.0230	32.1	.0327	37.5		.95	.0015	225.6					
	CHORD 2	.05	.0078	46.0	.0062	-98.9	.0133		-118.6	CHORD 7	.05	.0156	72.6	.0141	-102.9	.0297
.12		.0098	53.9	.0069	-77.3	.0153	-106.3	.12	.0112		70.8	.0104	-100.9	.0216	-105.2	
.20		.0215	57.8	.0113	-63.8	.0291	-102.9	.20	.0058		85.6	.0070	-91.2	.0128	-92.7	
.35		.0286	94.3	.0154	-30.3	.0395	-67.0	.35	.0054		74.9	.0055	-88.0	.0108	-96.4	
.60		.0424	172.5	.0248	.9	.0671	-4.4	.60	.0018		135.5	.0019	-67.0	.0036	-55.9	
.75		.0548	189.4	.0198	12.8	.0745	10.4	.75	.0004		98.4	.0017	-66.5	.0020	-69.3	
.85		.0331	203.6					.85	.0005		-32.3					
.90		.0189	215.4	.0123	-324.2	.0312	35.6	.90	.0004		-52.5	.0099	-3.2	.0097	-1.5	
.95		.0079	296.2					.95	.0003		-36.4	.0008	-62.7	.0005	-76.6	
CHORD 3		.05	.0079	48.4	.0067	287.1	.0127	-104.8	CHORD 8		.05	.0165	93.2	.0103	-135.1	.0246
	.12	.0110	54.8	.0105	293.5	.0187	-96.6	.12		.0132	98.1	.0065	-141.8	.0174	-100.9	
	.20	.0168	59.6	.0128	-45.0	.0236	-88.7	.20		.0116	109.4					
	.75	.0480	187.8	.0162	19.2	.0639	10.7	.75		.0025	210.3	.0019	-157.0	.0007	50.7	
	.85			.0071	71.7			.85								
	.90	.0197	202.6					.90								
	.95			.0081	143.2			.95								
CHORD 4	.05	.0117	60.4	.0103	284.3	.0204	-99.2	CHORD 9	.05	.0105	71.4	.0106	-133.3	.0206	-121.0	
	.12	.0079	66.2	.0108	306.6	.0162	-78.4		.12	.0077	81.6	.0075	-139.0	.0143	-118.5	
	.20	.0290	65.2	.0128	-38.9	.0344	-93.7		.20	.0051	86.2	.0066	-141.7	.0107	-120.9	
	.35	.0277	119.8	.0155	-15.1	.0402	-44.3		.35	.0016	173.9	.0056	-154.8	.0043	-143.3	
	.60	.0342	179.8	.0012	187.5	.0330	..4		.60	.0011	197.2	.0017	-174.8	.0007	165.5	
	.75	.0158	200.5	.0033	24.8	.0191	21.2		.75	.0023	226.8	.0015	-157.5	.0011	81.1	
	.85	.0092	201.3	.0025	17.3	.0117	20.5		.85	.0023	244.3					
	.95								.95							
	CHORD 5	.05	.0187	83.1	.0149	-95.8	.0335		-96.4							
.12		.0162	87.8	.0124	-87.2	.0286	-90.0									
.20		.0303	95.5	.0099	-69.5	.0400	-80.8									
.35		.0177	134.4	.0085	-76.2	.0254	-55.4									
.60		.0117	174.4	.0034	-50.3	.0143	-15.2									
.75		.0034	218.3													
.95																



TABLE 7.- Continued

POINT NUMBER =280

MACH = .779  
Q = 3.938 KPA

RN = 2.220\*10E6  
K = .210

ALPHA = .00 DEG  
DELTA6 = 3.01 DEG

OSCILLATING DELTA6 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0137	101.1	.0146	-64.7	.0281	-71.6	CHORD 6	.05	.0382	114.3	.0292	*65.5	.0675	-65.6		
	.12	.0149	98.9	.0173	-54.3	.0314	-66.7		.12	.0267	118.6	.0217	*62.0	.0484	-61.7		
	.20	.0244	104.0	.0221	-46.6	.0450	-62.0		.20	.0270	119.9	.0138	*56.7	.0408	-58.9		
	.30	.0137	152.9	.0265	-31.7	.0402	-30.1		.30	.0205	-228.6	.0113	*51.8	.0318	-49.7		
	.35	.0360	128.4	.0295	-27.1	.0640	-40.6		.35	.0167	-232.3	.0108	*51.4	.0275	-51.9		
	.45	.0534	149.0	.0451	-9.6	.0968	-21.2		.45	.0108	-233.2	.0071	*48.3	.0179	-51.3		
	.50	.0570	159.8	.0531	-5.8	.1092	-13.3		.50	.0118	-230.0	.0060	*46.7	.0178	-48.9		
	.60	.0732	171.6	.0547	2.1	.1274	*3.9		.60	.0079	-216.5	.0027	*26.8	.0106	-34.0		
	.70	.0966	181.2	.0603	6.4	.1567	3.2		.70	.0053	-195.5	.0024	*36.5	.0076	-22.1		
	.75	.1201	183.8	.0638	8.1	.1839	5.3		.75	.0027	-157.4	.0037	*47.3	.0053	-18.5		
	.85			.0663	14.2				.85								
	.90	.0269	216.7						.90								
	.95	.0180	216.0	.0416	20.4	.0591	25.1		.95	.0008	110.7						
	CHORD 2	.05	.0190	92.4	.0195	-64.6	.0378		-76.0	CHORD 7	.05	.0330	103.7	.0307	*70.1	.0637	-73.3
		.12	.0198	99.5	.0200	-54.0	.0387		-67.1		.12	.0242	105.3	.0226	*66.5	.0467	-70.8
.20		.0398	103.4	.0253	-46.4	.0630	-64.9	.20	.0138		108.1	.0154	*64.2	.0290	-67.8		
.35		.0475	127.6	.0336	-25.3	.0789	-41.2	.35	.0155		105.8	.0091	*59.5	.0244	-68.8		
.60		.0755	173.0	.0496	1.2	.1248	*3.7	.60	.0088		128.8	.0039	*34.5	.0126	-46.1		
.75		.1028	184.8	.0402	8.4	.1429	5.8	.75	.0020		97.4	.0032	*37.4	.0048	-54.5		
.85		.0668	193.6					.85	.0011		73.0						
.90		.0374	202.1	.0249	21.9	.0622	22.0	.90	.0008		45.4	.0201	*1.3	.0195	-3.1		
.95		.0081	-116.1					.95	.0004		-20.4	.0016	*24.8	.0013	38.5		
CHORD 3		.05	.0186	97.0	.0189	-62.3	.0369	-72.6	CHORD 8		.05	.0324	108.6	.0252	*70.1	.0576	-70.8
	.12	.0193	103.5	.0239	-54.1	.0424	-64.1	.12		.0251	112.4	.0166	*68.5	.0417	-67.9		
	.20	.0257	108.0	.0256	-38.4	.0490	-55.2	.20		.0191	112.2						
	.75	.0894	186.2	.0308	10.1	.1201	7.2	.75		.0021	-190.9	.0020	*26.9	.0040	-18.7		
	.85			.0073	43.7			.85									
	.90	.0325	197.3					.90									
CHORD 4	.05	.0284	102.5	.0252	-56.8	.0527	-67.7	CHORD 9	.05	.0259	101.6	.0233	*78.7	.0492	-78.5		
	.12	.0174	107.1	.0250	-44.5	.0412	-56.1		.12	.0192	104.8	.0155	*77.2	.0347	-76.1		
	.20	.0434	113.1	.0291	-38.4	.0703	-55.5		.20	.0131	106.1	.0108	*71.9	.0240	-73.0		
	.35	.0465	139.8	.0319	-18.5	.0770	-31.4		.35	.0110	112.9	.0059	*61.3	.0168	-65.1		
	.60	.0508	178.1	.0015	-81.3	.0511	*3.6		.60	.0036	85.3	.0014	*24.5	.0043	-76.4		
	.75	.0275	187.6	.0060	5.5	.0335	7.2		.75	.0016	-238.5	.0014	*28.0	.0029	-44.4		
	.85	.0155	187.2	.0056	-8.4	.0209	3.1		.85	.0003	-199.3						
	.95								.95								
	CHORD 5	.05	.0375	113.2	.0373	-61.5	.0747		-64.2								
		.12	.0316	117.0	.0317	-55.3	.0631		-59.1								
.20		.0498	122.8	.0265	-50.5	.0761	-54.9										
.35		.0302	140.1	.0168	-42.7	.0470	-40.9										
.60		.0175	166.5	.0068	-18.2	.0243	-14.8										
.75		.0041	171.4														
.85																	
.95																	





TABLE 7.- Continued

POINT NUMBER =284

MACH = .775  
Q = 3.909 KPA

RN = 2.214\*10E6  
K = .106

ALPHA = .00 DEG  
DELTA6 = 3.06 DEG

OSCILLATING DELTA6 (PEAK) = 6.02 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0203	147.2	.0226	335.5	.0428	-28.4	CHORD 6	.05	.0557	148.9	.0437	-32.4	.0994	-31.7
	.12	.0228	147.0	.0253	335.1	.0479	-28.7		.12	.0393	150.8	.0324	-30.9	.0716	-30.0
	.20	.0408	146.9	.0335	336.5	.0740	-28.8		.20	.0370	149.2	.0209	-32.1	.0578	-31.3
	.30	.0252	162.1	.0382	-15.0	.0634	-16.2		.30	.0262	-204.4	.0166	-30.0	.0428	-26.6
	.35	.0501	157.1	.0418	-11.3	.0914	-17.6		.35	.0201	-202.3	.0161	-27.8	.0352	-24.6
	.45	.0685	166.0	.0690	-6.3	.1372	-10.1		.45	.0192	-203.6	.0105	-27.4	.0298	-24.9
	.50	.0760	170.6	.0797	-2.6	.1554	-5.9		.50	.0204	-198.9	.0086	-28.5	.0288	-21.7
	.60	.1016	-183.1	.0791	1.9	.1805	-9		.60	.0203	-202.5	.0018	-20.4	.0221	-22.4
	.70	.1337	-179.1	.0872	3.8	.2208	2.0		.70	.0108	-188.0	.0016	-17.6	.0123	-9.2
	.75	.1611	-177.9	.0918	5.3	.2528	3.3		.75	.0052	-176.0	.0045	-25.0	.0094	-9.5
	.85			.0945	8.5				.85						
	.90	.0439	-164.3						.90						
	.95	.0431	-172.3	.0546	13.8	.0975	11.1		.95	.0023	-206.7				
CHORD 2	.05	.0268	142.9	.0261	-29.8	.0528	-33.5	CHORD 7	.05	.0531	145.4	.0382	-35.4	.0913	-34.9
	.12	.0247	145.1	.0280	-24.0	.0524	-29.1		.12	.0385	145.0	.0279	-35.3	.0664	-35.1
	.20	.0448	146.5	.0370	-17.8	.0810	-26.4		.20	.0222	149.3	.0188	-36.0	.0410	-33.2
	.35	.0609	158.7	.0517	-8.0	.1118	-15.2		.35	.0246	154.5	.0113	-34.4	.0358	-28.3
	.60	.1042	178.2	.0738	1.2	.1780	-6		.60	.0111	173.0	.0030	-23.6	.0141	-10.5
	.75	.1404	182.6	.0584	6.5	.1987	3.7		.75	.0037	157.9	.0021	-20.5	.0058	-21.6
	.85	.0921	188.7						.85	.0024	155.7				
	.90	.0527	192.7	.0360	15.2	.0888	13.7		.90	.0015	155.7	.0287	2.6	.0301	1.3
	.95	.0378	186.4						.95	.0006	82.0	.0007	110.4	.0003	173.6
CHORD 3	.05	.0255	141.6	.0270	331.6	.0523	-33.3	CHORD 8	.05	.0469	145.6	.0358	-34.8	.0828	-34.6
	.12	.0285	144.8	.0358	333.8	.0642	-30.2		.12	.0348	145.5	.0234	-35.4	.0582	-34.9
	.20	.0309	150.7	.0409	-19.0	.0715	-23.4		.20	.0282	144.9				
	.75	.1220	-176.8	.0442	6.0	.1661	3.9		.75	.0033	141.6	.0016	-37.1	.0049	-38.0
	.85			.0116	24.8				.85						
	.90	.0541	-173.9						.90						
	.95			.0051	67.0				.95						
CHORD 4	.05	.0383	145.3	.0393	334.3	.0773	-30.1	CHORD 9	.05	.0375	143.0	.0326	-42.1	.0701	-39.4
	.12	.0249	146.8	.0393	337.8	.0639	-26.5		.12	.0293	145.2	.0218	-41.7	.0510	-37.7
	.20	.0518	152.4	.0478	-16.6	.0991	-22.3		.20	.0200	147.9	.0155	-37.0	.0354	-34.2
	.35	.0634	160.0	.0499	-10.6	.1129	-15.9		.35	.0098	138.6	.0080	-44.7	.0178	-42.9
	.60	.0752	-181.3	.0032	314.4	.0775	-2.9		.60	.0078	-198.0	.0012	-70.7	.0086	-24.5
	.75	.0422	-179.5	.0088	2.4	.0511	.8		.75	.0038	142.0	.0012	-56.2	.0050	-42.5
	.85	.0233	-178.7	.0090	-7.1	.0322	-1.1		.85	.0012	89.2				
	.95								.95						
CHORD 5	.05	.0571	151.3	.0533	-28.4	.1104	-28.5								
	.12	.0469	152.4	.0434	-25.9	.0904	-26.8								
	.20	.0707	155.3	.0366	-21.1	.1072	-23.5								
	.35	.0455	162.2	.0252	-15.1	.0708	-16.9								
	.60	.0268	181.2	.0056	-3.8	.0324	.3								
	.75	.0108	175.8												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =287

MACH = .778  
Q = 3.942 KPA

RN = 2.219\*10E6  
K = .315

ALPHA = .00 DEG  
DELTA6 = 2.96 DEG

OSCILLATING DELTA6 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0188	59.3	.0165	-91.0	.0340	-106.8	CHORD 6	.05	.0469	84.2	.0349	-103.0	.0817	-98.9		
	.12	.0227	59.2	.0207	-75.5	.0400	-99.2		.12	.0336	90.2	.0263	-99.7	.0597	-94.1		
	.20	.0429	67.1	.0294	-57.9	.0644	-91.0		.20	.0358	92.7	.0163	-96.6	.0520	-90.2		
	.30	.0326	111.0	.0356	-39.3	.0660	-53.5		.30	.0278	108.9	.0121	-94.8	.0392	-78.2		
	.35	.0542	104.1	.0422	-29.9	.0889	-55.9		.35	.0218	110.4	.0115	-98.7	.0323	-79.6		
	.45	.0804	132.4	.0654	-14.6	.1398	-32.9		.45	.0207	114.0	.0080	-98.1	.0278	-74.8		
	.50	.0895	144.8	.0775	-8.1	.1623	-22.7		.50	.0172	118.4	.0066	-90.3	.0232	-69.4		
	.60	.1108	165.4	.0799	2.1	.1887	-7.6		.60	.0120	137.1	.0018	-51.9	.0138	-44.0		
	.70	.1395	179.6	.0897	8.4	.2285	3.0		.70	.0053	154.1	.0011	-84.6	.0060	-35.3		
	.75	.1677	183.5	.0953	11.6	.2624	6.4		.75	.0047	180.4	.0035	-100.6	.0053	-40.2		
	.85			.0999	-339.3				.85								
	.90	.0548	222.7						.90								
	.95	.0435	211.1	.0629	-329.1	.1065	31.0		.95	.0011	150.2						
	CHORD 2	.05	.0247	54.4	.0171	-88.5	.0397		-110.5	CHORD 7	.05	.0408	75.5	.0320	-114.4	.0725	-108.8
		.12	.0235	60.6	.0197	-64.9	.0384		-94.8		.12	.0295	80.4	.0227	-114.4	.0518	-106.1
.20		.0459	69.9	.0290	-52.4	.0661	-88.4	.20	.0174		85.9	.0162	-112.8	.0332	-103.1		
.35		.0628	109.4	.0451	-23.4	.0991	-51.1	.35	.0159		101.6	.0105	-116.0	.0250	-93.3		
.60		.1212	168.7	.0731	4.2	.1926	-5.5	.60	.0081		122.0	.0033	-119.9	.0101	-74.9		
.75		.1481	187.7	.0591	15.8	.2068	10.0	.75	.0009		121.6	.0029	-117.2	.0034	-104.6		
.85		.1025	203.3					.85	.0008		178.7						
.90		.0625	214.5	.0408	36.6	.1033	35.4	.90	.0009		176.2	.0251	4.2	.0261	3.9		
.95		.0391	215.2					.95	.0011		192.1	.0017	190.0	.0005	-174.2		
CHORD 3		.05	.0251	56.0	.0205	-85.9	.0431	-107.0	CHORD 8		.05	.0400	76.7	.0316	-112.0	.0714	-107.2
	.12	.0291	63.8	.0280	-72.7	.0530	-94.9	.12		.0316	81.3	.0202	-110.9	.0514	-103.5		
	.20	.0341	81.6	.0345	-55.0	.0637	-76.5	.20		.0244	88.1						
	.75	.1270	187.0	.0450	-344.0	.1716	9.3	.75		.0031	135.8	.0021	-109.9	.0044	-69.7		
	.85			.0198	-301.5			.85									
	.90	.0567	200.9					.90									
CHORD 4	.05	.0357	66.5	.0277	-80.0	.0608	-98.9	CHORD 9	.05	.0313	61.2	.0284	-122.7	.0596	-120.6		
	.12	.0266	74.6	.0303	-64.4	.0533	-83.5		.12	.0245	68.5	.0185	-123.6	.0428	-116.7		
	.20	.0555	85.8	.0380	-50.6	.0870	-76.7		.20	.0175	76.3	.0131	-123.9	.0301	-112.4		
	.35	.0729	116.8	.0438	-23.0	.1100	-48.3		.35	.0099	84.5	.0090	-120.2	.0184	-107.2		
	.60	.0860	173.5	.0029	-118.3	.0850	-8.3		.60	.0055	91.6	.0021	-94.4	.0076	-90.1		
	.75	.0402	190.1	.0081	-341.2	.0482	11.5		.75	.0025	127.8	.0020	-111.8	.0040	-78.7		
	.85	.0234	192.1	.0051	5.5	.0285	10.9		.85	.0017	162.5						
	.95								.95								
	CHORD 5	.05	.0512	85.7	.0363	-88.0	.0874		-91.7								
		.12	.0439	91.6	.0285	-78.4	.0722		-84.5								
.20		.0730	99.6	.0230	-68.8	.0957	-77.6										
.35		.0511	135.5	.0151	-54.1	.0660	-46.7										
.60		.0282	169.8	.0047	-20.1	.0329	-11.6										
.75		.0113	191.5														
.95																	



TABLE 7.- Continued

POINT NUMBER =290

MACH = .780  
W = 3.959 KPA

RN = 2.226\*10E6  
K = .209

ALPHA = .00 DEG  
DELTA6 = 6.01 DEG

OSCILLATING DELTA6 (PEAK) = 5.99 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0178	92.0	.0184	-56.1	.0348	-71.7	CHORD 6	.05	.0435	116.8	.0338	-67.5	.0772	-65.1		
	.12	.0180	95.7	.0213	-47.7	.0373	-64.4		.12	.0310	120.4	.0261	-64.9	.0570	-62.0		
	.20	.0235	106.1	.0304	-37.5	.0512	-53.3		.20	.0360	122.7	.0180	-63.6	.0539	-59.4		
	.30	.0220	125.2	.0335	-25.1	.0537	-36.8		.30	.0235	129.3	.0141	-65.0	.0374	-56.0		
	.35	.0349	127.9	.0382	-19.6	.0702	-35.1		.35	.0191	135.8	.0123	-64.9	.0310	-52.3		
	.45	.0594	148.1	.0604	-7.0	.1170	-19.4		.45	.0140	142.2	.0081	-62.6	.0216	-46.8		
	.50	.0619	163.1	.0716	-3.2	.1325	-9.5		.50	.0138	136.3	.0061	-67.5	.0195	-51.0		
	.60	.0811	172.0	.0745	3.0	.1549	-2.7		.60	.0063	162.2	.0016	-63.2	.0075	-26.6		
	.70	.0928	184.4	.0794	8.1	.1720	6.1		.70	.0036	198.9	.0018	-73.5	.0039	-8.1		
	.75	.1004	-172.2	.0754	12.0	.1757	9.6		.75	.0030	221.7	.0039	-68.4	.0040	-24.2		
	.85			.0890	17.7				.85								
	.90	.0689	-157.7						.90								
	.95	.0956	-173.6	.0512	29.3	.1441	14.4		.95	.0012	110.3						
	CHORD 2	.05	.0243	98.4	.0236	301.6	.0469		-70.2	CHORD 7	.05	.0429	111.8	.0312	288.0	.0741	-69.8
		.12	.0283	102.7	.0255	314.6	.0518		-62.2		.12	.0316	116.9	.0234	288.1	.0547	-66.8
.20		.0485	101.9	.0327	321.8	.0766	-62.2	.20	.0180		115.4	.0170	287.1	.0349	-68.7		
.35		.0551	125.6	.0438	-13.8	.0928	-36.5	.35	.0187		129.9	.0113	293.9	.0297	-56.1		
.60		.0875	174.9	.0680	4.5	.1549	-.9	.60	.0092		147.6	.0031	303.2	.0121	-38.4		
.75		.0914	190.3	.0416	17.7	.1327	12.6	.75	.0030		158.2	.0022	303.0	.0049	-36.7		
.85		.0587	214.4					.85	.0019		203.0						
.90		.0686	201.7	.0258	42.5	.0932	27.3	.90	.0019		209.5	.0190	7.9	.0208	9.9		
.95		.1018	183.8					.95	.0022		231.2	.0008	189.2	.0017	69.5		
CHORD 3		.05	.0219	98.0	.0238	-59.7	.0449	-70.4	CHORD 8		.05	.0361	109.6	.0302	-73.9	.0663	-72.0
	.12	.0258	101.1	.0310	-48.0	.0548	-61.9	.12		.0283	110.9	.0201	-75.7	.0484	-71.9		
	.20	.0345	102.6	.0346	-37.7	.0649	-57.5	.20		.0213	115.5						
	.75	.0867	-169.3	.0280	20.8	.1144	13.1	.75		.0018	108.4	.0025	-77.7	.0043	-75.1		
	.85			.0197	-213.0			.85									
	.90	.0565	-163.9					.90									
	.95			.0233	-200.3			.95									
CHORD 4	.05	.0311	104.7	.0320	-53.2	.0619	-64.1	CHORD 9	.05	.0321	100.9	.0281	-81.6	.0602	-80.3		
	.12	.0169	107.5	.0336	-41.9	.0489	-52.1		.12	.0248	102.5	.0192	-80.7	.0440	-78.9		
	.20	.0589	107.8	.0384	-33.1	.0919	-56.9		.20	.0159	102.1	.0142	-75.3	.0301	-76.7		
	.35	.0439	140.2	.0383	-13.2	.0800	-27.4		.35	.0092	99.3	.0092	-74.5	.0183	-77.6		
	.60	.0615	183.3	.0027	-64.3	.0626	1.0		.60	.0033	117.7	.0025	-88.1	.0057	-73.4		
	.75	.0343	-172.7	.0043	27.8	.0384	9.5		.75	.0016	65.1	.0023	-83.2	.0038	-96.5		
	.85	.0202	-170.1	.0028	-9.2	.0229	7.6		.85	.0006	-7.8						
	.95								.95								
	CHORD 5	.05	.0467	115.8	.0405	302.2	.0871		-61.2								
		.12	.0368	119.9	.0317	309.0	.0683		-55.9								
.20		.0734	125.0	.0260	318.2	.0990	-51.5										
.35		.0392	149.1	.0201	313.3	.0588	-36.2										
.60		.0272	172.4	.0041	4.8	.0312	-6.0										
.75		.0068	200.2														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =296

MACH = .777  
Q = 3.860 KPA

RN = 2.208\*10E6  
K = .106

ALPHA = -.00 DEG  
DELTA6 = 6.02 DEG

OSCILLATING DELTA6 (PEAK) = 2.04 DEG  
OSCILLATING FREQUENCY = 5.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0073	168.2	.0076	-25.8	.0147	-18.9	CHORD 6	.05	.0163	-211.3	.0114	-31.7	.0277	-31.4	
	.12	.0053	157.4	.0074	-21.1	.0128	-21.7		.12	.0122	-201.8	.0094	-32.9	.0215	-26.6	
	.20	.0109	150.6	.0099	-18.3	.0207	-24.1		.20	.0096	-200.9	.0064	-35.0	.0159	-26.5	
	.30	.0045	177.5	.0132	-14.4	.0177	-11.4		.30	.0092	-199.0	.0049	-35.7	.0139	-24.7	
	.35	.0108	166.6	.0147	-5.7	.0254	-8.9		.35	.0085	-200.8	.0042	-43.2	.0125	-28.1	
	.45	.0131	168.4	.0209	-4.0	.0339	-6.9		.45	.0075	-187.5	.0026	-44.5	.0097	-16.9	
	.50	.0174	171.4	.0221	-8.8	.0395	-4.2		.50	.0077	-182.5	.0018	-45.7	.0091	-10.3	
	.60	.0258	177.2	.0244	3.8	.0500	.4		.60	.0054	-183.3	.0007	-245.0	.0052	-10.4	
	.70	.0309	187.8	.0266	7.7	.0575	7.7		.70	.0007	-131.9	.0007	213.1	.0002	136.3	
	.75	.0353	188.0	.0252	9.4	.0605	8.6		.75	.0014	-107.0	.0007	-94.4	.0007	59.4	
	.85			.0292	12.8				.85							
.90	.0060	240.8					.90									
.95	.0161	189.4	.0165	20.9	.0324	15.2	.95	.0009	109.2							
CHORD 2	.05	.0073	143.4	.0073	-8.6	.0142	-22.7	CHORD 7	.05	.0143	156.6	.0102	-24.0	.0246	-23.7	
	.12	.0055	145.4	.0083	-13.7	.0136	-22.0		.12	.0109	162.1	.0075	-23.8	.0184	-20.3	
	.20	.0046	157.5	.0117	-15.9	.0163	-17.7		.20	.0067	163.9	.0048	-19.6	.0115	-17.6	
	.35	.0122	160.7	.0151	-10.2	.0272	-14.3		.35	.0024	182.2	.0025	-25.2	.0047	-11.9	
	.60	.0249	187.1	.0223	8.0	.0472	7.5		.60	.0026	121.9	.0009	-41.9	.0035	-54.0	
	.75	.0371	182.9	.0146	10.4	.0516	5.0		.75	.0011	146.7	.0005	-88.7	.0015	-48.4	
	.85	.0178	203.6						.85	.0008	190.8					
	.90	.0120	212.0	.0073	28.4	.0193	30.6		.90	.0009	212.2	.0073	12.7	.0082	14.8	
	.95	.0139	193.2						.95	.0009	225.6	.0010	-184.8	.0008	114.3	
	CHORD 3	.05	.0070	157.4	.0080	-22.5	.0150		-22.5	CHORD 8	.05	.0132	-208.5	.0111	-30.8	.0243
.12		.0069	155.3	.0110	-19.5	.0179	-21.5	.12	.0095		-208.1	.0072	-30.6	.0168	-29.2	
.20		.0059	151.9	.0128	-13.5	.0186	-18.1	.20	.0084		-199.8					
.75		.0339	188.2	.0095	14.4	.0433	9.6	.75	.0019		-180.7	.0004	151.7	.0016	5.7	
.85				.0074	-194.4			.85								
.90		.0089	199.7					.90								
.95				.0021	42.3			.95								
CHORD 4	.05	.0107	152.0	.0114	-16.2	.0220	-21.9	CHORD 9	.05	.0116	-209.9	.0078	-19.2	.0193	-25.6	
	.12	.0068	151.7	.0129	-16.0	.0195	-20.3		.12	.0079	-207.6	.0054	-24.9	.0134	-26.5	
	.20	.0124	153.1	.0136	-22.4	.0260	-24.5		.20	.0051	-209.0	.0032	-28.2	.0083	-28.7	
	.35	.0164	161.1	.0133	-4.4	.0295	-12.4		.35	.0038	-204.4	.0019	-97.2	.0047	-46.4	
	.60	.0240	167.4	.0004	-92.6	.0241	-13.7		.60	.0030	-196.8	.0016	216.6	.0024	-48.2	
	.75	.0107	188.7	.0016	25.6	.0122	10.9		.75	.0014	-167.8	.0008	216.1	.0007	-13.4	
	.85	.0065	184.7	.0014	16.0	.0079	6.7		.85	.0014	-130.0					
	.95	.0007	106.4	.0012	-32.9	.0018	-47.1		.95							
	CHORD 5	.05	.0152	156.2	.0148	-24.3	.0300		-24.1							
		.12	.0132	156.6	.0106	-19.1	.0238		-21.5							
.20		.0165	163.6	.0091	-10.0	.0255	-14.1									
.35		.0112	158.9	.0070	-5.9	.0181	-15.2									
.60		.0069	179.1	.0016	24.5	.0084	3.8									
.75		.0030	197.8													
.95																

TABLE 7.- Continued

POINT NUMBER =297		MACH = .782		RN = 2.219*10E6		ALPHA = -.00 DEG		OSCILLATING DELTA6 (PEAK) = 2.02 DEG								
		Q = 3.899 KPA		K = .210		DELTA6 = 6.02 DEG		OSCILLATING FREQUENCY = 10.00 HZ								
X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
	MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0071	117.8	.0068	296.4	.0139	-62.9	CHORD 6	.05	.0166	116.2	.0122	-72.7	.0287	-67.6	
	.12	.0063	118.4	.0074	307.7	.0136	-56.6		.12	.0115	120.4	.0100	-73.2	.0214	-65.9	
	.20	.0107	121.3	.0097	327.4	.0199	-46.3		.20	.0111	125.8	.0049	-77.3	.0158	-61.2	
	.30	.0045	173.0	.0116	-21.8	.0160	-17.6		.30	.0070	123.7	.0036	-83.7	.0103	-65.5	
	.35	.0147	134.0	.0131	-19.2	.0270	-33.4		.35	.0045	126.4	.0038	-82.1	.0080	-66.5	
	.45	.0192	156.6	.0192	-3.6	.0378	-13.5		.45	.0066	162.0	.0032	-71.2	.0089	-34.6	
	.50	.0236	163.5	.0226	.1	.0456	-8.4		.50	.0062	130.6	.0028	-67.9	.0089	-55.1	
	.60	.0266	175.1	.0236	5.6	.0500	.0		.60	.0053	121.5	.0014	-49.6	.0067	-56.6	
	.70	.0336	186.6	.0264	10.2	.0600	8.2		.70	.0025	-116.2	.0011	-46.8	.0024	37.3	
	.75	.0359	188.5	.0255	13.5	.0614	10.6		.75	.0021	-123.5	.0018	-56.7	.0021	6.8	
	.85			.0304	19.7				.85							
	.90	.0117	249.8						.90							
	.95	.0182	198.7	.0173	30.1	.0353	24.3		.95	.0010	62.7					
CHORD 2	.05	.0086	101.3	.0084	307.8	.0165	-65.6	CHORD 7	.05	.0138	116.0	.0094	299.2	.0231	-62.7	
	.12	.0056	109.9	.0081	309.6	.0135	-58.4		.12	.0087	122.8	.0065	305.4	.0153	-56.1	
	.20	.0076	121.5	.0108	-21.6	.0175	-36.7		.20	.0054	136.4	.0049	308.1	.0103	-47.6	
	.35	.0149	143.3	.0136	-9.3	.0277	-23.6		.35	.0049	106.5	.0038	313.9	.0084	-61.6	
	.60	.0259	178.6	.0221	3.8	.0479	1.0		.60	.0062	105.6	.0017	292.5	.0079	-72.9	
	.75	.0365	191.5	.0144	18.8	.0509	13.5		.75	.0015	35.3	.0009	300.1	.0018	-115.4	
	.85	.0185	219.2						.85	.0006	-37.8					
	.90	.0139	230.0	.0092	44.8	.0230	48.0		.90	.0007	291.1	.0073	13.0	.0072	18.3	
	.95	.0139	202.8						.95	.0010	264.0	.0002	89.2	.0012	85.0	
	CHORD 3	.05	.0088	107.7	.0084	309.5	.0169		-61.7	CHORD 8	.05	.0127	110.5	.0100	-79.8	.0226
.12		.0082	117.0	.0110	315.0	.0190	-52.6	.12	.0095		106.0	.0064	-78.3	.0159	-75.7	
.20		.0101	118.7	.0124	332.8	.0216	-42.4	.20	.0073		121.6					
.75		.0345	192.2	.0106	20.9	.0450	14.3	.75	.0012		137.7	.0008	-92.8	.0019	-61.9	
.85				.0072	152.5			.85								
.90		.0107	219.7					.90								
.95			.0040	37.4			.95									
CHORD 4	.05	.0116	111.0	.0101	317.8	.0212	-56.5	CHORD 9	.05	.0115	105.1	.0095	-78.2	.0210	-76.4	
	.12	.0074	116.9	.0099	320.0	.0170	-49.9		.12	.0085	105.6	.0071	-82.8	.0156	-78.2	
	.20	.0168	118.6	.0136	331.6	.0292	-46.7		.20	.0058	100.7	.0057	-88.6	.0114	-83.9	
	.35	.0167	140.3	.0112	-9.4	.0269	-27.6		.35	.0024	141.0	.0035	-74.7	.0056	-60.6	
	.60	.0221	185.0	.0009	289.0	.0223	2.7		.60	.0027	79.8	.0008	-83.5	.0034	-96.3	
	.75	.0123	196.0	.0019	31.8	.0141	18.1		.75	.0009	25.2	.0009	-77.6	.0014	-114.1	
	.85	.0075	193.1	.0015	13.8	.0090	13.2		.85	.0006	3.4					
	.95	.0003	121.6	.0018	235.5	.0019	-116.6		.95							
	CHORD 5	.05	.0152	124.2	.0146	308.5	.0298		-53.7							
		.12	.0130	125.7	.0113	315.2	.0243		-49.8							
.20		.0162	135.0	.0109	306.7	.0270	-48.3									
.35		.0121	144.5	.0061	324.4	.0182	-35.5									
.60		.0089	169.8	.0018	-23.8	.0107	-12.5									
.75		.0041	213.5													
.95																



TABLE 7.- Continued

POINT NUMBER =298

MACH = .782  
G = 3.901 KPA

RN = 2.218\*10E6  
K = .316

ALPHA = -.00 DEG  
DELTA6 = 6.01 DEG

OSCILLATING DELTA6 (PEAK) = 2.04 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0089	58.8	.0062	-85.0	.0144	-106.5	CHORD 6	.05	.0132	93.5	.0083	253.3	.0211	-94.3		
	.12	.0077	59.1	.0064	-70.0	.0128	-98.0		.12	.0106	100.5	.0059	255.5	.0161	-88.4		
	.20	.0141	64.0	.0085	-45.3	.0187	-90.6		.20	.0101	103.8	.0030	245.4	.0126	-84.8		
	.30	.0073	130.2	.0110	-31.4	.0181	-38.7		.30	.0070	113.8	.0019	215.1	.0076	-80.1		
	.35	.0158	102.0	.0125	-16.9	.0244	-51.3		.35	.0071	127.1	.0021	218.4	.0074	-68.9		
	.45	.0228	138.4	.0190	-7.5	.0400	-26.1		.45	.0049	108.6	.0016	251.3	.0063	-80.4		
	.50	.0258	146.4	.0223	2.5	.0457	-16.9		.50	.0057	117.5	.0012	255.4	.0066	-69.6		
	.60	.0322	168.6	.0251	6.5	.0566	-3.6		.60	.0037	155.9	.0002	201.6	.0036	-26.0		
	.70	.0376	183.7	.0274	13.1	.0648	7.6		.70	.0033	153.2	.0005	146.7	.0028	-25.6		
	.75	.0386	190.8	.0259	18.0	.0644	13.7		.75	.0010	170.5	.0010	188.9	.0003	-91.4		
	.85			.0315	24.7				.85								
	.90	.0151	-104.9						.90								
.95	.0176	206.8	.0187	39.4	.0361	33.3	.95	.0005	109.4								
CHORD 2	.05	.0070	64.3	.0053	294.9	.0112	-94.1	CHORD 7	.05	.0117	81.8	.0088	239.5	.0201	-107.8		
	.12	.0059	70.4	.0074	-41.0	.0111	-71.0		.12	.0087	88.5	.0064	234.8	.0145	-105.7		
	.20	.0096	82.3	.0096	314.0	.0173	-71.7		.20	.0054	86.8	.0042	236.6	.0093	-106.3		
	.35	.0199	113.6	.0150	-16.5	.0318	-45.2		.35	.0035	110.9	.0018	273.0	.0053	-75.1		
	.60	.0316	170.4	.0236	9.3	.0545	-1.6		.60	.0038	152.6	.0007	209.3	.0035	-37.7		
	.75	.0404	191.1	.0152	27.7	.0551	15.6		.75	.0004	139.2	.0006	222.4	.0007	-102.2		
	.85	.0238	225.3						.85	.0009	214.9						
	.90	.0192	233.7	.0113	63.0	.0304	57.1		.90	.0012	211.5	.0073	11.0	.0084	13.9		
	.95	.0164	207.1						.95	.0015	194.0	.0073	263.5	.0070	-85.2		
	CHORD 3	.05	.0084	66.7	.0056	-78.7	.0134		-99.5	CHORD 8	.05	.0102	87.7	.0072	245.1	.0170	-101.6
.12		.0083	70.2	.0081	-64.6	.0152	-87.5	.12	.0080		93.4	.0047	235.2	.0121	-100.5		
.20		.0110	80.8	.0103	-44.0	.0189	-72.5	.20	.0067		100.7						
.75		.0368	195.8	.0106	28.8	.0472	18.7	.75	.0012		128.9	.0009	202.4	.0013	-95.0		
.85				.0086	145.9			.85									
.90		.0134	-134.6					.90									
CHORD 4	.05	.0110	71.2	.0083	-82.0	.0188	-97.3	CHORD 9	.05	.0095	85.2	.0071	234.2	.0160	-108.1		
	.12	.0080	73.5	.0086	-55.4	.0150	-80.1		.12	.0077	89.6	.0052	232.6	.0123	-105.2		
	.20	.0170	85.6	.0103	-36.9	.0241	-73.4		.20	.0055	93.9	.0044	227.2	.0090	-106.7		
	.35	.0213	117.5	.0116	-14.0	.0303	-45.8		.35	.0030	102.5	.0040	213.1	.0058	-117.5		
	.60	.0266	181.2	.0012	248.4	.0262	-1.2		.60	.0019	119.6	.0010	153.7	.0012	-88.1		
	.75	.0129	199.6	.0016	40.2	.0144	21.8		.75	.0012	112.7	.0009	174.9	.0011	-113.2		
	.85	.0084	199.4	.0005	48.0	.0089	21.0		.85	.0009	119.5						
	.95	.0005	104.4	.0004	121.9	.0002	-111.4		.95								
	CHORD 5	.05	.0152	86.6	.0094	271.8	.0246		-91.4								
		.12	.0142	91.7	.0064	293.9	.0203		-81.4								
.20		.0186	106.4	.0064	-38.1	.0241	-64.7										
.35		.0138	136.3	.0038	295.1	.0174	-48.3										
.60		.0095	165.2	.0016	-13.8	.0111	-14.7										
.75		.0040	175.0														
.95																	



TABLE 7.- Continued

POINT NUMBER =300

MACH = .780  
Q = 3.886 KPA

RN = 2.216\*10E6  
K = .211

ALPHA = -.00 DEG  
DELTA6 = 6.02 DEG

OSCILLATING DELTA6 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0167	97.4	.0133	-65.7	.0297	-75.1	CHORD 6	.05	.0298	-242.1	.0225	295.4	.0523	-63.2	
	.12	.0137	104.9	.0130	-53.6	.0262	-64.6		.12	.0229	-239.5	.0178	298.1	.0407	-60.5	
	.20	.0276	113.6	.0160	-41.8	.0427	-57.4		.20	.0197	-235.5	.0107	304.2	.0304	-55.6	
	.30	.0222	131.1	.0195	-26.5	.0409	-38.5		.30	.0144	-225.4	.0081	307.5	.0224	-47.9	
	.35	.0259	136.8	.0229	-17.8	.0475	-31.3		.35	.0117	-225.8	.0076	305.4	.0192	-49.3	
	.45	.0357	156.4	.0360	-7.3	.0709	-15.4		.45	.0138	-217.7	.0049	301.4	.0185	-43.1	
	.50	.0412	162.2	.0426	-3.5	.0831	-10.6		.50	.0118	-229.9	.0033	302.7	.0150	-51.5	
	.60	.0525	175.0	.0471	4.3	.0992	-6.6		.60	.0041	-221.0	.0006	314.6	.0047	-41.6	
	.70	.0636	183.2	.0512	9.0	.1146	5.8		.70	.0044	-173.7	.0004	280.7	.0045	1.1	
	.75	.0715	188.1	.0473	12.9	.1187	10.0		.75	.0037	-158.5	.0019	291.8	.0041	-6.4	
	.85			.0569	21.3				.85							
	.90	.0322	-146.1						.90							
	.95	.0532	186.3	.0334	33.1	.0844	16.6		.95	.0011	-256.9					
CHORD 2	.05	.0159	106.6	.0152	-51.7	.0306	-62.8	CHORD 7	.05	.0256	116.7	.0193	-63.0	.0449	-63.2	
	.12	.0112	112.0	.0157	-37.6	.0260	-50.2		.12	.0190	120.8	.0137	-61.6	.0327	-60.2	
	.20	.0116	129.7	.0234	-31.6	.0346	-37.8		.20	.0121	118.9	.0089	-57.9	.0210	-59.8	
	.35	.0273	143.1	.0298	-9.8	.0554	-22.7		.35	.0074	115.4	.0052	-56.5	.0125	-61.2	
	.60	.0513	178.6	.0462	4.8	.0974	1.5		.60	.0020	140.2	.0022	-17.9	.0041	-28.3	
	.75	.0656	190.6	.0293	18.0	.0947	12.9		.75	.0013	131.8	.0017	-15.1	.0029	-29.1	
	.85	.0340	227.9						.85	.0013	149.7					
	.90	.0342	217.3	.0175	46.6	.0515	40.5		.90	.0009	166.6	.0145	8.6	.0153	7.4	
	.95	.0473	187.5						.95	.0008	224.8	.0010	51.3	.0017	48.4	
	CHORD 3	.05	.0169	111.4	.0144	-58.2	.0312		-63.8	CHORD 8	.05	.0256	-250.7	.0183	290.7	.0438
.12		.0179	111.9	.0187	-49.7	.0362	-58.7	.12	.0170		-244.9	.0119	291.0	.0288	-66.6	
.20		.0137	131.9	.0202	-41.7	.0339	-44.3	.20	.0140		-235.2					
.75		.0610	191.8	.0179	22.5	.0787	14.2	.75	.0018		-213.8	.0014	298.4	.0031	-45.6	
.85				.0178	154.8			.85								
.90		.0319	201.4					.90								
CHORD 4	.05	.0236	112.7	.0196	-56.1	.0431	-62.2	CHORD 9	.05	.0219	-255.9	.0164	282.0	.0383	-76.8	
	.12	.0165	116.3	.0193	-44.3	.0353	-53.2		.12	.0166	-255.0	.0122	281.1	.0288	-76.7	
	.20	.0277	128.9	.0212	-34.8	.0485	-44.0		.20	.0117	-253.1	.0089	281.8	.0205	-75.3	
	.35	.0354	144.5	.0233	-17.8	.0581	-28.4		.35	.0070	-233.2	.0049	282.4	.0116	-63.3	
	.60	.0408	176.7	.0029	-88.5	.0412	-7.3		.60	.0043	-243.2	.0009	294.7	.0052	-63.6	
	.75	.0231	186.1	.0020	43.0	.0247	8.9		.75	.0024	-234.8	.0009	306.0	.0033	-54.6	
	.85	.0151	190.8	.0007	31.3	.0157	11.7		.85	.0003	-201.5					
	.95	.0008	109.4	.0011	109.9	.0003	111.2		.95							
	CHORD 5	.05	.0283	123.3	.0288	-51.8	.0571		-54.2							
.12		.0257	124.0	.0215	-45.4	.0470	-51.1									
.20		.0298	135.2	.0182	-41.9	.0481	-43.7									
.35		.0203	151.3	.0119	-29.3	.0323	-28.9									
.60		.0159	177.3	.0046	-11.4	.0204	-4.7									
.75		.0051	176.2													
.95																



TABLE 7.- Continued

POINT NUMBER =304

MACH = .785  
Q = 3.943 KPA

RN = 2.224\*10E6  
K = .104

ALPHA = 2.05 DEG  
DELTA6 = .07 DEG

OSCILLATING DELTA6 (PEAK) = 2.01 DEG  
OSCILLATING FREQUENCY = 4.99 HZ

	UPPER CP			LOWER CP		DELTA CP		X/C	UPPER CP			LOWER CP		DELTA CP		
	MAG	PHASE		MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0135	-230.7	.0078	-27.5	.0209	-42.2									
	.12	.0101	-224.3	.0091	-21.1	.0188	-33.3	CHORD 6	.05	.0159	-224.2	.0112	-43.6	.0271	-44.0	
	.20	.0115	-213.6	.0108	-19.1	.0222	-26.6		.12	.0202	-223.4	.0094	-45.1	.0296	-43.9	
	.30	.0189	-213.2	.0124	-11.6	.0307	-24.6		.20	.0585	-222.1	.0084	-45.2	.0668	-42.5	
	.35	.0285	-208.8	.0133	-9.8	.0412	-22.7		.30	.0795	-214.8	.0070	-38.7	.0865	-35.1	
	.45	.0353	-194.7	.0220	-9.2	.0573	-12.6		.35	.0691	-211.9	.0066	-35.8	.0756	-32.2	
	.50	.0340	-187.5	.0256	-6.4	.0597	-7.0		.45	.0279	-40.2	.0062	-32.9	.0217	137.7	
	.60	.0349	-179.2	.0269	.2	.0618	.6		.50	.0137	-44.6	.0061	-32.8	.0078	126.1	
	.70	.0480	-174.9	.0312	4.6	.0792	4.9		.60	.0046	-134.6	.0038	-26.1	.0069	13.7	
	.75	.0616	-176.1	.0356	5.5	.0972	4.5		.70	.0039	-202.8	.0020	-22.2	.0059	-22.6	
	.85			.0304	12.8				.75	.0020	-214.3	.0022	-26.8	.0042	-30.4	
	.90	.0182	-168.7						.85							
	.95	.0091	-166.1	.0199	13.5	.0291	13.7		.90							
									.95	.0017	-63.8					
CHORD 2	.05	.0099	138.6	.0095	-29.1	.0193	-35.4	CHORD 7	.05	.0159	134.8	.0106	-37.0	.0264	-41.9	
	.12	.0078	144.2	.0115	-18.5	.0191	-25.5		.12	.0222	137.2	.0094	-35.1	.0316	-40.5	
	.20	.0149	143.3	.0125	-15.5	.0270	-27.1		.20	.0695	140.2	.0070	-34.7	.0764	-39.3	
	.35	.0448	151.1	.0177	-4.5	.0614	-22.1		.35	.0205	-46.0	.0051	-35.7	.0155	130.6	
	.60	.0361	-177.7	.0251	.8	.0612	1.1		.60	.0065	-127.4	.0028	-39.7	.0069	29.2	
	.75	.0524	-175.3	.0248	5.8	.0772	5.1		.75	.0020	-208.2	.0016	-35.9	.0036	-31.6	
	.85	.0453	-172.4						.85	.0025	-207.8					
	.90	.0230	-168.2	.0165	10.2	.0395	11.1		.90	.0022	-201.6	.0108	-8.5	.0129	-10.6	
	.95	.0135	-165.9						.95	.0012	-196.1	.0006	-27.6	.0018	-19.8	
CHORD 3	.05	.0091	-217.6	.0094	-21.2	.0184	-29.2	CHORD 8	.05	.0136	-225.4	.0110	-43.9	.0246	-44.7	
	.12	.0071	-220.7	.0109	-14.9	.0175	-25.0		.12	.0244	-224.2	.0090	-42.6	.0334	-43.8	
	.20	.0161	-228.2	.0120	-15.4	.0270	-34.2		.20	.0588	-223.8					
	.75	.0456	-176.3	.0212	5.4	.0667	4.3		.75	.0033	-240.0	.0017	-19.8	.0047	-46.7	
	.85			.0162	8.0				.85							
	.90	.0222	-177.9						.90							
	.95			.0082	18.3				.95							
CHORD 4	.05	.0102	-215.8	.0108	-17.6	.0208	-26.4	CHORD 9	.05	.0184	-226.6	.0099	-45.8	.0284	-46.3	
	.12	.0109	-220.1	.0126	-17.2	.0231	-27.8		.12	.0320	-222.9	.0077	-46.8	.0397	-43.7	
	.20	.0120	-221.2	.0130	-11.6	.0242	-25.8		.20	.0709	-221.9	.0060	-44.8	.0769	-42.1	
	.35	.1365	-212.8	.0166	-17.0	.1524	-31.1		.35	.0083	-37.4	.0041	-47.3	.0043	152.1	
	.60	.0306	-174.4	.0010	10.7	.0316	5.7		.60	.0064	-226.9	.0008	-38.3	.0073	-45.9	
	.75	.0135	-176.0	.0056	-1.3	.0190	2.4		.75	.0013	-244.5	.0005	-17.3	.0017	-51.3	
	.85	.0083	-179.3	.0046	2.8	.0129	1.5		.85	.0007	6.8					
	.95	.0013	-235.4	.0009	-64.5	.0022	-59.0		.95							
CHORD 5	.05	.0196	142.6	.0146	-28.2	.0341	-33.4									
	.12	.0182	142.1	.0113	-26.1	.0294	-33.4									
	.20	.0386	141.5	.0114	-26.7	.0498	-35.9									
	.35	.1420	-204.6	.0094	-30.5	.1513	-25.0									
	.60	.0062	-56.3	.0051	-26.3	.0031	69.2									
	.75	.0054	-195.7													
	.85															
	.95															



TABLE 7.- Continued

POINT NUMBER =306

MACH = .786  
Q = 3.951 KPA

RN = 2.228\*10E6  
K = .314

ALPHA = 2.05 DEG  
DELTA6 = -.00 DEG

OSCILLATING DELTA6 (PEAK) = 2.05 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C		UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0077	14.3	.0049	-60.1	.0080	-129.4	CHORD 6	.05	.0099	52.9	.0064	-120.6	.0163	-124.6
	.12	.0074	15.1	.0061	-56.3	.0079	-118.3		.12	.0133	52.2	.0054	-119.8	.0187	-125.5
	.20	.0114	36.2	.0076	-53.1	.0136	-109.9		.20	.0367	54.3	.0047	-119.3	.0413	-125.0
	.30	.0183	56.8	.0109	-30.8	.0209	-92.0		.30	.0482	76.4	.0042	-116.2	.0523	-104.6
	.35	.0277	73.1	.0117	-25.5	.0316	-85.4		.35	.0730	87.4	.0040	-119.3	.0766	-94.0
	.45	.0519	115.6	.0193	-13.5	.0658	-51.2		.45	.0249	-114.4	.0030	-116.3	.0219	65.9
	.50	.0499	143.5	.0230	-10.7	.0714	-28.5		.50	.0129	-114.4	.0032	-110.9	.0097	64.5
	.60	.0446	-191.3	.0245	1.5	.0687	-6.8		.60	.0050	153.5	.0024	-99.4	.0062	-48.5
	.70	.0525	-179.6	.0306	8.9	.0829	3.5		.70	.0018	101.8	.0015	-87.4	.0033	-82.4
	.75	.0650	-175.2	.0362	10.2	.1011	6.7		.75	.0006	102.2	.0015	-87.4	.0021	-84.6
	.85			.0359	19.6				.85						
	.90	.0212	-150.2						.90						
	.95	.0119	-141.5	.0205	28.1	.0322	31.9		.95	.0013	195.3				
CHORD 2	.05	.0066	41.0	.0053	-80.0	.0104	-113.2	CHORD 7	.05	.0115	56.1	.0082	-128.6	.0198	-125.9
	.12	.0061	41.6	.0070	-70.5	.0109	-101.6		.12	.0161	55.6	.0071	-128.9	.0231	-125.8
	.20	.0115	45.4	.0085	-50.5	.0149	-100.2		.20	.0500	60.3	.0057	-124.2	.0556	-120.1
	.35	.0480	81.9	.0136	-26.0	.0538	-84.2		.35	.0132	231.1	.0045	-123.8	.0088	48.5
	.60	.0456	179.9	.0232	1.0	.0688	.3		.60	.0042	104.1	.0021	-101.8	.0062	-84.3
	.75	.0536	188.5	.0249	11.8	.0785	9.6		.75	.0005	136.5	.0014	-98.7	.0017	-84.6
	.85	.0467	195.3						.85	.0006	78.7				
	.90	.0251	204.7	.0171	25.8	.0422	25.1		.90	.0006	63.7	.0087	-2.6	.0085	-6.2
	.95	.0156	209.9						.95	.0002	107.0	.0005	-86.9	.0007	-83.6
CHORD 3	.05	.0070	27.6	.0048	-65.1	.0087	-118.8	CHORD 8	.05	.0091	48.9	.0073	-132.0	.0164	-131.5
	.12	.0060	29.7	.0066	-57.6	.0087	-100.8		.12	.0163	49.7	.0053	-131.4	.0217	-130.6
	.20	.0157	29.6	.0097	-44.7	.0161	-114.7		.20	.0313	51.9				
	.75	.0492	-173.7	.0203	12.5	.0694	8.1		.75	.0011	77.8	.0012	-99.3	.0023	-100.7
	.85			.0152	19.6				.85						
	.90	.0232	-168.2						.90						
	.95			.0081	37.1				.95						
CHORD 4	.05	.0061	48.2	.0059	-63.1	.0099	-98.0	CHORD 9	.05	.0158	42.9	.0065	-132.2	.0223	-135.7
	.12	.0082	40.0	.0079	-52.6	.0116	-97.3		.12	.0252	45.6	.0049	-134.3	.0301	-134.4
	.20	.0102	40.3	.0088	-42.7	.0127	-95.9		.20	.0601	50.9	.0038	-130.7	.0639	-129.2
	.35	.1220	66.6	.0112	-25.7	.1230	-108.2		.35	.0101	204.9	.0030	-131.6	.0074	15.6
	.60	.0402	-185.1	.0008	-127.5	.0398	-6.2		.60	.0024	118.3	.0016	-112.5	.0037	-81.4
	.75	.0164	-171.0	.0029	13.9	.0193	9.8		.75	.0021	89.0	.0008	-97.4	.0028	-92.7
	.85	.0099	-170.5	.0022	12.5	.0120	10.0		.85	.0010	115.7				
	.95	.0046	-177.5	.0002	-106.1	.0046	-4.4		.95						
CHORD 5	.05	.0139	67.0	.0073	-98.1	.0211	-107.9								
	.12	.0138	63.9	.0056	-90.9	.0191	-108.9								
	.20	.0302	59.8	.0058	-87.9	.0352	-115.1								
	.35	.1463	90.2	.0046	-77.0	.1508	-89.5								
	.60	.0081	247.4	.0036	-102.9	.0046	59.9								
	.75	.0032	80.1												
	.85														
	.95														





TABLE 7.- Continued

POINT NUMBER =308

MACH = .784  
Q = 3.940 KPA

RN = 2.227\*10E6  
K = .210

ALPHA = 2.05 DEG  
DELTA6 = -.02 DEG

OSCILLATING DELTA6 (PEAK) = 4.03 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0256	95.1	.0123	-65.2	.0374	-78.5	CHORD 6	.05	.0296	94.6	.0215	278.5	.0511	-83.8		
	.12	.0226	93.7	.0149	-54.3	.0361	-73.7		.12	.0489	95.7	.0163	278.9	.0652	-83.5		
	.20	.0305	96.6	.0185	-45.7	.0465	-69.3		.20	.1256	97.6	.0139	279.1	.1395	-82.3		
	.30	.0432	110.2	.0218	-32.1	.0620	-57.4		.30	.1220	118.2	.0109	278.8	.1323	-63.4		
	.35	.0658	119.0	.0257	-25.9	.0881	-51.3		.35	.0227	-122.7	.0100	280.9	.0169	33.2		
	.45	.0778	156.5	.0388	-16.5	.1164	-21.2		.45	.0058	-113.2	.0083	287.1	.0054	-28.5		
	.50	.0740	165.5	.0462	-11.5	.1202	-13.3		.50	.0062	-169.3	.0074	288.7	.0103	-34.8		
	.60	.0783	178.0	.0514	-2.0	.1297	-2.0		.60	.0035	178.7	.0042	290.4	.0064	-39.0		
	.70	.0978	182.6	.0614	3.9	.1592	3.1		.70	.0057	156.9	.0018	292.8	.0071	-33.2		
	.75	.1221	184.8	.0710	5.9	.1931	5.2		.75	.0035	156.2	.0028	289.3	.0058	-44.6		
	.85			.0691	13.5				.85								
	.90	.0399	204.9						.90								
	.95	.0226	-148.0	.0380	20.3	.0603	24.6		.95	.0008	-159.3						
	CHORD 2	.05	.0224	91.6	.0157	-60.5	.0370		-77.0	CHORD 7	.05	.0277	91.9	.0155	-85.6	.0432	-87.2
.12		.0197	91.1	.0194	-53.7	.0372	-71.4	.12	.0459		92.9	.0143	-80.9	.0601	-85.6		
.20		.0243	92.8	.0217	-43.5	.0427	-66.7	.20	.1446		99.9	.0117	-79.0	.1562	-80.0		
.35		.0812	127.5	.0290	-22.6	.1073	-44.7	.35	.0247		-95.3	.0093	-76.1	.0162	73.8		
.60		.0754	-181.4	.0494	-.3	.1248	-1.0	.60	.0058		118.9	.0036	-83.8	.0092	-69.9		
.75		.1026	-174.7	.0507	6.0	.1534	5.5	.75	.0022		-190.5	.0015	-83.6	.0030	-39.1		
.85		.0829	-169.3					.85	.0020		-169.6						
.90		.0403	-161.8	.0342	15.3	.0745	16.9	.90	.0020		-168.4	.0209	-7.8	.0227	-6.1		
.95		.0262	-158.7					.95	.0019		-167.7	.0163	157.8	.0148	153.6		
CHORD 3		.05	.0206	92.5	.0158	-63.3	.0356	-77.0	CHORD 8		.05	.0258	87.0	.0186	272.4	.0443	-90.8
	.12	.0171	91.8	.0182	-53.7	.0338	-70.4	.12		.0526	91.3	.0140	273.1	.0666	-88.3		
	.20	.0354	92.0	.0207	-43.1	.0522	-71.7	.20		.1836	95.6						
	.75	.0896	187.0	.0399	5.7	.1295	6.6	.75		.0025	127.0	.0020	267.1	.0043	-70.4		
	.85			.0276	11.9			.85									
	.90	.0414	192.8					.90									
CHORD 4	.05	.0219	96.4	.0203	-60.5	.0414	-72.5	CHORD 9	.05	.0324	86.9	.0177	272.1	.0501	-91.3		
	.12	.0237	93.7	.0227	-51.6	.0442	-69.3		.12	.0653	90.1	.0129	269.5	.0782	-90.0		
	.20	.0323	93.8	.0237	-42.8	.0522	-68.0		.20	.0853	92.7	.0095	272.4	.0949	-87.3		
	.35	.2470	118.6	.0265	-26.6	.2692	-58.2		.35	.0052	109.3	.0064	272.4	.0114	-80.0		
	.60	.0540	182.1	.0018	-82.2	.0542	.3		.60	.0034	176.4	.0019	256.2	.0035	-34.7		
	.75	.0293	191.6	.0074	-10.6	.0362	7.2		.75	.0008	120.5	.0008	248.3	.0015	-85.7		
	.85	.0175	194.5	.0052	-10.8	.0223	8.7		.85	.0007	-70.9						
	.95	.0017	122.1	.0037	-29.8	.0052	-38.5		.95								
	CHORD 5	.05	.0394	104.6	.0222	-67.2	.0615		-72.4								
		.12	.0417	101.8	.0171	-60.4	.0582		-73.1								
.20		.1259	101.4	.0173	-56.7	.1421	-76.0										
.35		.1007	-217.2	.0148	-52.7	.1151	-39.2										
.60		.0095	-190.9	.0077	-60.5	.0156	-32.8										
.75		.0089	-215.9														
.85																	
.95																	

TABLE 7.- Continued

POINT NUMBER =309

MACH = .782  
Q = 3.926 KPARN = 2.223\*10E6  
K = .315ALPHA = 2.05 DEG  
DELTA6 = -.03 DEGOSCILLATING DELTA6 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP			X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0173	36.3	.0088	-80.8	.0227	-123.5	CHORD 6	.05	.0250	61.7	.0163	-118.2	.0413	-118.3		
	.12	.0196	28.2	.0106	-63.5	.0225	-123.7		.12	.0541	67.8	.0122	-117.4	.0663	-113.2		
	.20	.0294	39.5	.0154	-50.4	.0331	-112.8		.20	.1036	67.4	.0102	-115.9	.1138	-112.9		
	.30	.0402	67.5	.0198	-34.9	.0484	-88.9		.30	.0597	120.0	.0083	-114.3	.0649	-65.9		
	.35	.0672	84.8	.0237	-29.1	.0798	-79.5		.35	.0326	228.4	.0076	-113.6	.0254	43.1		
	.45	.0852	136.9	.0368	-16.2	.1192	-35.1		.45	.0066	130.0	.0062	-109.4	.0111	-78.6		
	.50	.0845	151.1	.0449	-10.9	.1280	-22.7		.50	.0071	150.9	.0056	-108.9	.0098	-63.0		
	.60	.0838	172.6	.0495	.6	.1330	-4.5		.60	.0082	139.6	.0032	-97.1	.0103	-55.5		
	.70	.1015	182.0	.0608	7.4	.1621	4.0		.70	.0061	133.8	.0014	-77.8	.0073	-51.9		
	.75	.1244	185.2	.0713	9.6	.1955	6.8		.75	.0049	132.7	.0020	-96.6	.0064	-61.1		
	.85			.0703	20.0				.85								
.90	.0420	210.5					.90										
.95	.0245	-142.9	.0393	28.7	.0636	31.9	.95	.0017	171.1								
CHORD 2	.05	.0156	46.4	.0124	-77.5	.0248	-109.0	CHORD 7	.05	.0243	56.2	.0120	-122.8	.0363	-123.4		
	.12	.0157	46.4	.0155	-66.7	.0261	-100.4		.12	.0416	60.4	.0107	-120.6	.0523	-119.8		
	.20	.0205	55.6	.0191	-50.4	.0317	-89.0		.20	.1185	70.4	.0082	-118.7	.1266	-110.2		
	.35	.0822	101.7	.0291	-28.8	.1035	-66.0		.35	.0167	-134.2	.0059	-110.9	.0115	34.2		
	.60	.0826	-183.7	.0483	.3	.1309	-2.2		.60	.0035	-235.7	.0020	-92.5	.0053	-69.0		
	.75	.1029	-173.5	.0502	10.0	.1530	7.6		.75	.0031	-219.4	.0009	-65.7	.0039	-45.2		
	.85	.0834	-165.9						.85	.0024	-227.6						
	.90	.0409	-154.0	.0350	24.5	.0759	25.3		.90	.0019	-222.0	.0190	-2.9	.0205	-6.3		
	.95	.0286	-154.3						.95	.0018	-224.7	.0007	61.2	.0017	-21.8		
	CHORD 3	.05	.0146	41.9	.0092	-73.7	.0203		-114.0	CHORD 8	.05	.0215	57.9	.0149	-124.1	.0363	-122.9
		.12	.0134	37.1	.0135	-58.4	.0199		-100.6		.12	.0514	60.5	.0110	-124.2	.0624	-120.3
.20		.0271	37.8	.0176	-46.7	.0308	-107.7	.20	.1679		70.1						
.75		.0916	187.4	.0392	11.4	.1307	8.6	.75	.0028		144.8	.0015	-112.6	.0034	-60.3		
.85				.0284	21.0			.85									
.90		.0424	194.4					.90									
.95			.0104	54.9			.95										
CHORD 4	.05	.0144	52.8	.0120	-68.4	.0230	-100.7	CHORD 9	.05	.0278	46.3	.0129	-130.8	.0406	-132.8		
	.12	.0176	47.9	.0152	-57.3	.0261	-97.9		.12	.0624	55.8	.0097	-132.7	.0720	-125.4		
	.20	.0279	46.5	.0175	-41.7	.0325	-100.9		.20	.0508	71.1	.0077	-132.0	.0580	-111.9		
	.35	.2225	83.6	.0217	-22.2	.2294	-91.2		.35	.0045	161.0	.0052	-135.2	.0051	-83.6		
	.60	.0593	185.1	.0020	-133.6	.0578	3.8		.60	.0040	147.7	.0012	-157.5	.0034	-48.9		
	.75	.0310	190.0	.0060	16.1	.0370	11.0		.75	.0035	161.2	.0003	-144.2	.0033	-22.9		
	.85	.0180	189.1	.0046	12.2	.0226	9.7		.85	.0030	177.5						
	.95	.0087	189.1	.0018	-18.8	.0103	4.5		.95								
	CHORD 5	.05	.0334	69.7	.0161	-84.9	.0485		-102.1								
		.12	.0388	67.1	.0125	-75.1	.0493		-103.9								
.20		.1240	65.9	.0131	-72.5	.1341	-110.4										
.35		.0916	-208.1	.0101	-67.2	.0996	-31.7										
.60		.0082	-187.7	.0055	-75.7	.0115	-33.9										
.75		.0059	-246.9														
.85																	
.95																	

TABLE 7.- Continued

POINT NUMBER =310

MACH = .780  
Q = 3.908 KPA

RN = 2.220\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA6 = .01 DEG

OSCILLATING DELTA6 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0317	-217.3	.0224	-26.6	.0539	-32.9	CHORD 6	.05	.0472	140.6	.0332	-38.9	.0804	-39.2		
	.12	.0300	-220.4	.0262	-22.3	.0555	-32.0		.12	.1066	140.0	.0256	-37.8	.1321	-39.6		
	.20	.0461	-220.4	.0327	-19.0	.0775	-31.5		.20	.1456	141.5	.0219	-37.2	.1675	-38.3		
	.30	.0671	-211.2	.0382	-14.0	.1042	-25.0		.30	.1225	155.7	.0178	-36.3	.1400	-25.8		
	.35	.0917	-205.7	.0431	-13.1	.1341	-21.7		.35	.0249	-74.8	.0164	-36.9	.0156	64.8		
	.45	.0935	-190.1	.0627	-8.5	.1561	-9.5		.45	.0054	140.7	.0133	-34.2	.0188	-35.7		
	.50	.0944	-184.9	.0737	-5.9	.1680	-5.3		.50	.0070	69.5	.0119	-32.9	.0150	-60.1		
	.60	.1072	-181.9	.0775	-7	.1847	-1.4		.60	.0040	151.4	.0069	-27.4	.0109	-27.8		
	.70	.1394	-178.8	.0925	2.4	.2318	1.7		.70	.0063	175.9	.0030	-10.3	.0092	-6.1		
	.75	.1748	-177.4	.1066	3.4	.2813	2.9		.75	.0049	174.8	.0044	-20.7	.0092	-12.4		
	.85			.1010	8.5				.85								
	.90	.0534	-167.1						.90								
	.95	.0310	-164.5	.0559	11.6	.0868	13.0		.95	.0019	183.4						
	CHORD 2	.05	.0297	138.9	.0277	331.1	.0570		-35.2	CHORD 7	.05	.0440	139.6	.0281	319.5	.0720	-40.4
		.12	.0277	140.2	.0339	335.1	.0610		-31.6		.12	.0807	141.2	.0251	320.2	.1058	-39.0
.20		.0338	142.3	.0361	-21.6	.0692	-29.4	.20	.1864		145.0	.0195	322.8	.2059	-35.2		
.35		.0953	157.5	.0504	-14.0	.1453	-19.6	.35	.0128		-49.8	.0150	325.2	.0042	16.7		
.60		.1053	181.3	.0746	.1	.1799	.8	.60	.0052		134.2	.0059	326.8	.0110	-39.1		
.75		.1475	183.2	.0753	4.2	.2228	3.6	.75	.0050		143.3	.0024	332.2	.0074	-33.8		
.85		.1124	185.8					.85	.0032		136.6						
.90		.0598	189.4	.0503	9.1	.1102	9.3	.90	.0025		134.9	.0329	-3.6	.0348	-6.3		
.95		.0254	197.4					.95	.0023		144.2	.0008	134.9	.0015	-30.6		
CHORD 3		.05	.0312	-220.2	.0277	-25.9	.0584	-33.5	CHORD 8		.05	.0410	136.7	.0295	-39.9	.0705	-41.9
	.12	.0262	-220.9	.0335	-22.9	.0590	-30.8	.12		.0939	137.5	.0224	-39.7	.1162	-41.9		
	.20	.0418	-222.4	.0378	-19.4	.0779	-31.5	.20		.2571	140.8						
	.75	.1257	-176.7	.0614	3.7	.1871	3.4	.75		.0053	151.3	.0025	-31.4	.0077	-29.6		
	.85			.0405	7.2			.85									
	.90	.0626	-174.7					.90									
CHORD 4	.05	.0340	-217.7	.0353	-28.0	.0691	-32.8	CHORD 9	.05	.0529	133.8	.0257	-44.4	.0786	-45.6		
	.12	.0354	-220.1	.0397	-24.7	.0744	-31.9		.12	.1113	137.5	.0189	-46.0	.1301	-43.0		
	.20	.0643	-220.2	.0410	-21.3	.1039	-32.9		.20	.0986	143.1	.0138	-45.4	.1123	-37.9		
	.35	.2146	-205.9	.0446	-13.0	.2582	-23.7		.35	.0074	137.1	.0101	-43.1	.0175	-43.0		
	.60	.0726	-179.8	.0008	25.8	.0733	.4		.60	.0058	116.3	.0026	-44.9	.0083	-57.9		
	.75	.0430	-177.4	.0140	1.5	.0571	2.3		.75	.0025	103.6	.0008	-37.9	.0032	-67.5		
	.85	.0253	-173.8	.0107	2.3	.0360	5.1		.85	.0018	-11.9						
	.95	.0119	-175.0	.0021	-65.9	.0128	-3.9		.95								
	CHORD 5	.05	.0631	144.9	.0415	330.1	.1045		-33.0								
		.12	.0743	144.0	.0316	333.8	.1056		-33.1								
.20		.1610	145.0	.0322	335.3	.1928	-33.3										
.35		.0903	165.2	.0263	335.1	.1163	-17.1										
.60		.0168	168.6	.0136	334.4	.0302	-17.7										
.75		.0133	161.3														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =312

MACH = .782  
Q = 3.930 KPA

RN = 2.226\*10E6  
K = .315

ALPHA = 2.05 DEG  
DELTA6 = -.07 DEG

OSCILLATING DELTA6 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	UPPER CP			LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
	MAG	PHASE		MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0253	40.7	.0133	-74.2	.0332	-117.9	CHORD 6	.05	.0358	-294.4	.0225	-122.9	.0582	-117.7
	.12	.0295	35.8	.0176	-62.6	.0365	-115.7		.12	.0797	-289.9	.0172	-120.7	.0966	-111.8
	.20	.0462	47.8	.0242	-52.0	.0557	-106.8		.20	.1238	-291.4	.0147	-119.4	.1384	-112.3
	.30	.0643	77.9	.0309	-35.6	.0817	-81.8		.30	.0991	-255.4	.0121	-114.4	.1087	-79.4
	.35	.0952	94.9	.0360	-29.3	.1192	-70.6		.35	.0401	-140.0	.0111	-112.5	.0306	30.4
	.45	.1154	136.4	.0565	-17.6	.1680	-35.1		.45	.0050	-196.4	.0088	-106.6	.0101	-76.7
	.50	.1197	150.3	.0699	-12.1	.1875	-23.2		.50	.0060	-227.8	.0080	-107.7	.0122	-82.4
	.60	.1214	171.1	.0755	.1	.1963	-5.5		.60	.0092	-219.6	.0048	-101.9	.0123	-60.1
	.70	.1477	180.9	.0919	6.5	.2393	3.0		.70	.0076	-238.7	.0027	-91.6	.0100	-67.1
	.75	.1802	184.5	.1055	8.5	.2855	6.0		.75	.0060	-245.4	.0034	-101.7	.0090	-78.5
	.85			.1023	20.7				.85						
	.90	.0615	211.4						.90						
	.95	.0382	217.2	.0590	28.6	.0970	32.0		.95	.0018	-195.7				
CHORD 2	.05	.0241	-313.6	.0185	-77.9	.0378	-109.8	CHORD 7	.05	.0330	-303.8	.0183	-123.6	.0513	-123.7
	.12	.0236	-315.2	.0232	-64.5	.0382	-100.2		.12	.0552	-300.7	.0162	-122.0	.0714	-121.0
	.20	.0329	-307.5	.0265	-50.1	.0466	-93.7		.20	.1553	-293.0	.0125	-122.0	.1677	-113.7
	.35	.1096	-254.6	.0421	-28.8	.1422	-62.4		.35	.0241	-140.0	.0098	-113.5	.0159	24.1
	.60	.1222	-183.6	.0715	-.0	.1936	-2.3		.60	.0064	-228.9	.0044	-107.4	.0095	-72.4
	.75	.1513	-173.9	.0752	9.4	.2264	7.2		.75	.0036	-246.7	.0021	-109.3	.0053	-82.1
	.85	.1157	-165.2						.85	.0027	-238.0				
	.90	.0643	-155.2	.0521	23.5	.1165	24.2		.90	.0021	-225.0	.0283	-4.9	.0300	-7.5
	.95	.0313	-144.4						.95	.0019	-220.1	.0003	-160.1	.0018	-48.1
CHORD 3	.05	.0222	46.5	.0156	-74.1	.0329	-109.5	CHORD 8	.05	.0309	-304.0	.0209	-127.7	.0517	-125.5
	.12	.0222	43.1	.0214	-58.4	.0337	-98.5		.12	.0728	-300.3	.0160	-127.9	.0887	-121.7
	.20	.0402	44.9	.0276	-48.1	.0500	-101.6		.20	.2199	-292.2				
	.75	.1313	186.7	.0590	10.5	.1902	7.9		.75	.0032	-232.2	.0023	-123.2	.0045	-81.1
	.85			.0400	21.9				.85						
	.90	.0629	195.6						.90						
	.95			.0139	66.3				.95						
CHORD 4	.05	.0251	55.2	.0199	-67.9	.0396	-99.9	CHORD 9	.05	.0388	-310.7	.0186	-140.1	.0572	-133.7
	.12	.0287	51.1	.0246	-56.5	.0430	-95.9		.12	.0860	-303.7	.0140	-140.6	.0995	-126.0
	.20	.0581	55.2	.0274	-43.9	.0681	-101.4		.20	.0761	-293.6	.0106	-138.1	.0858	-116.5
	.35	.2127	92.0	.0351	-23.7	.2302	-80.1		.35	.0056	-241.3	.0076	-136.0	.0106	-105.3
	.60	.0867	184.8	.0017	-117.2	.0858	3.8		.60	.0057	-264.2	.0028	-143.9	.0075	-103.0
	.75	.0452	188.6	.0098	10.7	.0550	9.0		.75	.0021	-213.5	.0010	-149.4	.0019	-61.0
	.85	.0273	187.8	.0073	11.9	.0346	8.7		.85	.0023	-174.0				
	.95	.0128	189.5	.0031	-13.5	.0157	5.1		.95						
CHORD 5	.05	.0472	-291.3	.0233	-88.3	.0692	-103.7								
	.12	.0578	-292.3	.0176	-78.7	.0731	-104.6								
	.20	.1458	-291.0	.0176	-74.7	.1603	-107.3								
	.35	.1272	-235.7	.0144	-67.7	.1414	-56.9								
	.60	.0104	-179.8	.0081	-81.7	.0141	-34.5								
	.75	.0081	-231.7												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER #315

MACH = .781  
Q = 3.931 KPA

RN = 2.219\*10E6  
K = .210

ALPHA = 2.05 DEG  
DELTA6 = 2.99 DEG

OSCILLATING DELTA6 (PEAK) = 2.01 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0080	-246.9	.0052	298.6	.0131	-64.7	CHORD 6	.05	.0113	100.0	.0075	-78.9	.0188	-79.5	
	.12	.0062	-242.4	.0058	-49.5	.0120	-56.2		.12	.0128	98.9	.0058	-74.0	.0186	-78.9	
	.20	.0090	-256.8	.0067	-38.9	.0149	-60.7		.20	.0443	100.0	.0046	-72.3	.0488	-79.3	
	.30	.0167	-254.7	.0081	-21.7	.0226	-57.9		.30	.0763	114.5	.0043	-74.2	.0805	-65.9	
	.35	.0228	-245.5	.0112	-21.5	.0318	-51.3		.35	.0127	227.5	.0041	-78.4	.0109	29.7	
	.45	.0422	-217.5	.0173	-10.8	.0583	-29.8		.45	.0076	-93.7	.0035	-72.9	.0045	70.1	
	.50	.0433	-198.6	.0211	-4.6	.0639	-14.0		.50	.0087	-109.8	.0034	-61.8	.0069	48.8	
	.60	.0359	-177.7	.0235	3.5	.0594	2.8		.60	.0002	32.9	.0021	-48.7	.0021	-54.0	
	.70	.0481	-174.7	.0281	7.1	.0762	6.0		.70	.0020	204.1	.0013	-38.8	.0028	.4	
	.75	.0612	-173.1	.0309	9.8	.0921	7.8		.75	.0017	198.0	.0015	-39.9	.0028	-9.4	
	.85			.0328	15.9				.85							
	.90	.0117	-135.4						.90							
	.95	.0089	-141.0	.0176	25.0	.0263	29.7		.95	.0016	-97.8					
CHORD 2	.05	.0083	-271.9	.0067	-68.4	.0147	-81.4	CHORD 7	.05	.0120	-268.9	.0101	-91.9	.0220	-90.3	
	.12	.0058	-276.4	.0084	-53.9	.0133	-71.0		.12	.0170	-269.8	.0085	-91.7	.0255	-90.4	
	.20	.0096	-276.0	.0098	-34.9	.0167	-65.2		.20	.0543	-266.9	.0068	-89.9	.0611	-87.2	
	.35	.0286	-247.9	.0139	-26.5	.0401	-54.6		.35	.0175	-101.2	.0057	-90.8	.0120	73.9	
	.60	.0363	-179.2	.0231	1.1	.0594	.9		.60	.0036	-230.4	.0030	-64.8	.0066	-56.9	
	.75	.0482	-171.3	.0217	7.9	.0699	8.5		.75	.0012	-254.8	.0017	-60.7	.0029	-66.4	
	.85	.0261	-162.2						.85	.0011	28.5					
	.90	.0147	-152.9	.0087	27.8	.0234	27.3		.90	.0020	-271.4	.0089	-9.2	.0094	-21.3	
	.95	.0044	-52.1						.95	.0012	-268.4	.0007	-61.6	.0018	-78.6	
	CHORD 3	.05	.0077	91.6	.0062	299.9	.0135		-75.9	CHORD 8	.05	.0111	93.3	.0076	-92.4	.0187
.12		.0061	90.8	.0062	-48.4	.0115	-68.6	.12	.0193		94.4	.0058	-91.6	.0250	-87.0	
.20		.0149	92.7	.0077	-31.0	.0202	-68.8	.20	.0551		95.3					
.75		.0447	-170.7	.0154	11.5	.0601	9.8	.75	.0015		134.3	.0009	-25.4	.0024	-38.0	
.85				.0037	104.3			.85								
.90		.0149	-158.3					.90								
.95			.0128	172.6			.95									
CHORD 4	.05	.0083	102.0	.0078	306.4	.0157	-66.2	CHORD 9	.05	.0151	86.1	.0048	-86.8	.0199	-92.1	
	.12	.0098	93.2	.0081	-43.0	.0167	-67.1		.12	.0270	89.9	.0037	-81.7	.0306	-89.1	
	.20	.0102	95.4	.0090	-26.3	.0168	-57.4		.20	.0446	91.7	.0026	-73.0	.0471	-87.4	
	.35	.0584	70.7	.0054	292.0	.0625	-106.0		.35	.0012	218.3	.0012	-130.3	.0002	-32.1	
	.60	.0345	-182.2	.0019	227.2	.0333	-4.7		.60	.0030	-18.6	.0005	-130.3	.0032	169.1	
	.75	.0130	-164.9	.0011	1.5	.0141	14.1		.75	.0004	119.3	.0004	107.1	.0001	1.7	
	.85	.0081	-159.6	.0011	-5.1	.0091	17.3		.85	.0009	-130.4					
	.95	.0040	-160.0	.0004	226.4	.0037	17.4		.95							
	CHORD 5	.05	.0146	-248.3	.0108	-68.9	.0254		-68.6							
.12		.0146	-256.8	.0081	-66.4	.0227	-73.1									
.20		.0253	-263.8	.0075	-64.1	.0324	-79.4									
.35		.1458	-245.9	.0061	-48.3	.1516	-65.2									
.60		.0032	-75.9	.0051	-66.2	.0020	-50.6									
.75		.0033	-231.0													
.85																
.95																





TABLE 7.- Continued

POINT NUMBER =318

MACH = .781  
Q = 3.938 KPA

RN = 2.229\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA6 = 3.00 DEG

OSCILLATING DELTA6 (PEAK) = 4.00 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0183	139.8	.0158	=28.5	.0339	=34.8	CHORD 6	.05	.0259	=220.5	.0180	=39.1	.0438	=39.9		
	.12	.0172	141.2	.0179	=23.7	.0348	=31.1		.12	.0347	=221.8	.0141	=39.4	.0487	=41.1		
	.20	.0246	138.4	.0209	=17.2	.0445	=30.4		.20	.1050	=221.1	.0116	=37.2	.1165	=40.7		
	.30	.0346	142.5	.0236	=9.7	.0565	=26.3		.30	.1514	=215.0	.0104	=35.2	.1618	=35.1		
	.35	.0494	147.7	.0253	=7.6	.0731	=24.0		.35	.0239	=187.6	.0096	=35.6	.0327	=15.5		
	.45	.0671	165.6	.0376	=4.4	.1043	=10.9		.45	.0206	=54.9	.0082	=35.1	.0131	112.9		
	.50	.0672	172.8	.0448	=2.8	.1119	=5.5		.50	.0107	=57.3	.0073	=34.5	.0048	86.6		
	.60	.0612	180.6	.0493	1.3	.1105	.9		.60	.0008	=202.5	.0045	=31.7	.0052	=30.4		
	.70	.0873	182.6	.0576	4.3	.1449	3.3		.70	.0048	=195.2	.0022	=24.4	.0070	=18.1		
	.75	.1086	183.7	.0629	5.2	.1715	4.2		.75	.0037	=201.7	.0026	=32.5	.0062	=26.2		
	.85			.0642	8.3				.85								
	.90	.0207	204.1						.90								
	.95	.0186	196.4	.0339	12.6	.0525	13.9		.95	.0003	=67.7						
	CHORD 2	.05	.0177	140.6	.0164	=25.3	.0338		=32.6	CHORD 7	.05	.0237	137.5	.0163	320.1	.0400	=41.4
		.12	.0131	137.4	.0208	=22.7	.0334		=30.4		.12	.0343	137.3	.0146	320.5	.0488	=41.7
.20		.0219	134.1	.0229	=17.1	.0433	=31.1	.20	.1099		137.7	.0127	318.3	.1226	=42.3		
.35		.0573	147.5	.0292	=7.4	.0847	=24.1	.35	.0308		=51.8	.0095	320.4	.0215	122.9		
.60		.0616	180.1	.0455	.7	.1072	.3	.60	.0037		170.7	.0049	327.6	.0085	=22.4		
.75		.0930	183.8	.0422	4.4	.1353	4.0	.75	.0023		146.3	.0020	=28.0	.0043	=31.1		
.85		.0559	188.9					.85	.0030		139.5						
.90		.0320	194.5	.0182	12.2	.0502	13.7	.90	.0023		141.2	.0182	=6.4	.0202	=9.9		
.95		.0085	214.0					.95	.0015		152.6	.0002	13.0	.0017	=22.5		
CHORD 3		.05	.0162	139.8	.0175	=26.2	.0335	=32.9	CHORD 8		.05	.0247	=222.7	.0173	=42.2	.0419	=42.5
	.12	.0124	137.4	.0207	=20.3	.0326	=28.7	.12		.0444	=223.2	.0134	=41.8	.0578	=42.9		
	.20	.0289	133.9	.0227	=13.7	.0496	=31.9	.20		.1482	=223.2						
	.75	.0806	184.2	.0331	5.9	.1137	4.7	.75		.0043	=228.8	.0019	=38.4	.0061	=45.6		
	.85			.0062	31.3			.85									
	.90	.0276	190.3					.90									
	.95			.0098	=192.4			.95									
CHORD 4	.05	.0173	139.3	.0209	=21.0	.0376	=29.9	CHORD 9	.05	.0316	=225.0	.0152	=44.7	.0468	=44.9		
	.12	.0199	136.8	.0236	=18.6	.0425	=29.8		.12	.0596	=224.4	.0110	=46.4	.0707	=44.7		
	.20	.0220	135.9	.0252	=14.8	.0457	=28.4		.20	.0967	=223.1	.0084	=45.1	.1052	=43.2		
	.35	.2054	145.9	.0267	=10.4	.2301	=31.4		.35	.0054	=183.0	.0062	=36.0	.0111	=20.6		
	.60	.0514	182.7	.0013	16.5	.0527	3.0		.60	.0033	=257.5	.0023	=12.6	.0047	=51.8		
	.75	.0248	184.7	.0078	3.6	.0326	4.4		.75	.0020	=240.1	.0011	2.5	.0027	=39.0		
	.85	.0161	190.3	.0055	5.3	.0216	9.0		.85	.0007	27.8						
	.95	.0037	125.8	.0028	=30.3	.0063	=43.9		.95								
	CHORD 5	.05	.0319	144.4	.0231	331.7	.0549		=32.6								
.12		.0316	141.7	.0179	=26.6	.0493	=34.1										
.20		.0564	139.7	.0183	=25.9	.0743	=36.8										
.35		.2270	149.0	.0160	=24.1	.2429	=30.6										
.60		.0075	220.5	.0078	331.0	.0126	4.8										
.75		.0067	149.4														
.95																	



TABLE 7.- Continued

POINT NUMBER =320		MACH = .780		RN = 2.225*10E6		ALPHA = 2.05 DEG		OSCILLATING DELTA6 (PEAK) = 4.03 DEG									
		Q = 3.931 KPA		K = .316		DELTA6 = 3.03 DEG		OSCILLATING FREQUENCY = 15.01 HZ									
CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0145	41.7	.0068	-58.0	.0170	-115.2	CHORD 6	.05	.0170	-303.1	.0118	-118.6	.0287	-121.2		
	.12	.0138	32.7	.0102	-49.6	.0160	-108.2		.12	.0225	-302.7	.0095	-115.0	.0320	-120.4		
	.20	.0180	47.1	.0147	-42.3	.0231	-93.3		.20	.0722	-297.8	.0080	-112.2	.0802	-117.2		
	.30	.0295	71.0	.0195	-26.6	.0375	-77.9		.30	.1214	-272.9	.0075	-112.9	.1285	-94.1		
	.35	.0438	83.2	.0222	-22.3	.0541	-73.5		.35	.0399	-226.2	.0070	-112.3	.0432	-54.8		
	.45	.0757	125.1	.0341	-10.2	.1028	-41.4		.45	.0228	-120.7	.0058	-112.9	.0170	56.7		
	.50	.0830	146.3	.0413	-4.8	.1208	-24.2		.50	.0102	-134.8	.0058	-110.9	.0054	19.5		
	.60	.0762	174.8	.0477	3.8	.1236	-1.7		.60	.0038	-214.6	.0040	-99.6	.0066	-68.0		
	.70	.0908	184.7	.0576	9.9	.1482	6.7		.70	.0041	-214.4	.0024	-94.0	.0057	-55.4		
	.75	.1117	188.0	.0635	12.0	.1751	9.5		.75	.0029	-224.1	.0025	-94.9	.0049	-67.6		
	.85			.0674	20.4				.85								
	.90	.0297	232.6						.90								
	.95	.0229	222.9	.0376	32.5	.0602	36.5		.95	.0030	-162.0						
	CHORD 2	.05	.0126	47.0	.0094	-71.7	.0190		-107.3	CHORD 7	.05	.0168	49.7	.0101	-128.5	.0269	-129.6
		.12	.0112	40.0	.0135	-59.8	.0190		-95.5		.12	.0253	53.0	.0090	-126.1	.0343	-126.8
.20		.0198	37.6	.0161	-37.5	.0221	-97.5	.20	.0938		-297.8	.0077	-126.7	.1014	-118.5		
.35		.0702	-282.1	.0259	-23.4	.0794	-83.5	.35	.0266		-143.7	.0063	-122.2	.0208	29.9		
.60		.0810	-182.4	.0437	4.2	.1246	-1	.60	.0033		-218.7	.0038	-125.3	.0052	-86.3		
.75		.0949	-171.6	.0420	13.5	.1368	10.0	.75	.0043		-229.8	.0022	-120.0	.0055	-71.8		
.85		.0574	-155.8					.85	.0036		-248.4						
.90		.0352	-145.1	.0215	44.1	.0565	38.4	.90	.0035		-249.5	.0148	-4.4	.0163	-11.8		
.95		.0131	-112.1					.95	.0028		-240.2	.0268	-144.3	.0272	-138.4		
CHORD 3		.05	.0110	59.0	.0091	-63.0	.0176	-94.9	CHORD 8		.05	.0159	-309.7	.0114	-131.2	.0273	-130.3
	.12	.0094	48.6	.0132	-49.0	.0172	-81.7	.12		.0286	-307.8	.0089	-130.7	.0374	-128.5		
	.20	.0238	43.2	.0170	-35.9	.0265	-97.7	.20		.0878	-298.0						
	.75	.0831	191.2	.0316	16.7	.1147	12.8	.75		.0010	-218.3	.0017	-116.5	.0021	-90.5		
	.85			.0117	-285.8			.85									
	.90	.0291	211.7					.90									
CHORD 4	.05	.0113	62.9	.0124	-53.5	.0201	-83.6	CHORD 9	.05	.0229	-316.1	.0101	-133.1	.0330	-135.2		
	.12	.0144	55.1	.0154	-42.0	.0224	-81.8		.12	.0417	-309.1	.0073	-134.6	.0489	-130.0		
	.20	.0172	52.6	.0172	-29.1	.0225	-78.3		.20	.0734	-301.7	.0054	-132.0	.0787	-122.4		
	.35	.2010	77.6	.0213	-17.3	.2039	-96.4		.35	.0034	-167.2	.0041	-126.5	.0027	-69.8		
	.60	.0723	183.5	.0010	-134.5	.0716	3.0		.60	.0015	-218.0	.0013	-95.9	.0025	-64.8		
	.75	.0285	202.3	.0046	30.7	.0331	23.4		.75	.0025	-198.9	.0007	-72.3	.0030	-30.2		
	.85	.0167	200.3	.0031	26.9	.0199	21.4		.85	.0018	-178.2						
	.95	.0011	121.9	.0001	-172.1	.0011	-65.1		.95								
	CHORD 5	.05	.0192	-290.1	.0112	-84.6	.0297		-100.7								
		.12	.0220	-296.3	.0086	-74.5	.0290		-104.8								
.20		.0473	-299.3	.0086	-72.2	.0535	-112.5										
.35		.2223	-274.7	.0071	-71.2	.2288	-94.0										
.60		.0113	-113.9	.0049	-105.2	.0065	59.6										
.75		.0057	-261.5														
.95																	



TABLE 7.- Continued

POINT NUMBER =322

MACH = .780  
G = 3.933 KPA

RN = 2.225\*10E6  
K = .210

ALPHA = 2.05 DEG  
DELTA6 = 3.04 DEG

OSCILLATING DELTA6 (PEAK) = 6.03 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0339	92.9	.0194	-58.2	.0518	-76.6	CHORD 6	.05	.0365	96.5	.0251	271.9	.0615	-85.4		
	.12	.0289	91.8	.0222	-49.5	.0482	-71.5		.12	.0500	95.9	.0195	271.5	.0695	-85.3		
	.20	.0374	95.2	.0268	-41.9	.0599	-67.1		.20	.1316	96.2	.0157	271.7	.1473	-84.3		
	.30	.0497	109.0	.0309	-27.8	.0753	-54.7		.30	.1715	111.7	.0144	274.1	.1853	-69.6		
	.35	.0742	117.9	.0368	-21.1	.1048	-48.8		.35	.1310	127.2	.0133	274.9	.1424	-55.6		
	.45	.0970	152.1	.0547	-13.0	.1505	-22.6		.45	.0515	-79.7	.0115	280.1	.0400	100.4		
	.50	.1036	-198.1	.0651	-8.5	.1682	-14.4		.50	.0225	-96.7	.0107	281.6	.0128	68.0		
	.60	.0970	-181.5	.0734	1.0	.1704	-4.4		.60	.0076	-142.6	.0071	286.3	.0084	-15.0		
	.70	.1229	-176.1	.0860	6.1	.2089	4.8		.70	.0068	-186.4	.0038	290.6	.0092	-28.3		
	.75	.1497	-174.1	.0943	8.1	.2439	6.8		.75	.0047	-182.2	.0044	284.4	.0073	-37.6		
	.85			.0966	15.2				.85								
	.90	.0422	-145.3						.90								
	.95	.0428	-162.2	.0512	25.2	.0938	21.9		.95	.0040	-131.0						
	CHORD 2	.05	.0251	97.0	.0219	-62.2	.0462		-73.3	CHORD 7	.05	.0346	90.8	.0235	-88.2	.0582	-88.8
.12		.0207	93.4	.0268	-50.6	.0453	-66.2	.12	.0493		92.2	.0202	-86.0	.0695	-87.3		
.20		.0333	92.5	.0289	-37.0	.0563	-64.2	.20	.1498		97.3	.0164	-85.9	.1662	-83.0		
.35		.0979	-242.1	.0407	-24.8	.1326	-51.4	.35	.0397		-101.7	.0126	-84.5	.0279	70.6		
.60		.0991	-178.3	.0680	.7	.1670	1.3	.60	.0041		-220.1	.0076	-82.0	.0110	-67.5		
.75		.1312	-171.8	.0626	-351.5	.1938	8.3	.75	.0030		-231.8	.0042	-78.1	.0070	-67.3		
.85		.0794	-159.8					.85	.0029		-238.0						
.90		.0483	-151.0	.0298	-331.4	.0781	28.8	.90	.0024		-233.9	.0243	-5.8	.0260	-9.7		
.95		.0382	-165.2					.95	.0020		-203.4	.0013	-76.3	.0030	-43.6		
CHORD 3		.05	.0252	95.0	.0218	-55.2	.0454	-71.2	CHORD 8		.05	.0325	89.6	.0230	265.8	.0555	-92.0
	.12	.0207	92.6	.0262	-47.4	.0441	-65.0	.12		.0585	90.0	.0179	266.3	.0764	-90.8		
	.20	.0415	91.1	.0307	-38.2	.0654	-67.6	.20		.1607	94.1						
	.75	.1130	-172.4	.0471	10.1	.1601	8.3	.75		.0037	127.9	.0031	269.2	.0064	-69.7		
	.85			.0121	48.2			.85									
	.90	.0465	-163.9					.90									
CHORD 4	.05	.0253	100.6	.0266	-53.0	.0505	-65.9	CHORD 9	.05	.0435	83.3	.0212	261.9	.0646	-97.2		
	.12	.0299	94.8	.0302	-43.0	.0560	-64.0		.12	.0780	89.5	.0158	259.2	.0936	-92.3		
	.20	.0396	92.6	.0327	-33.4	.0645	-63.2		.20	.1496	93.3	.0120	259.7	.1613	-87.7		
	.35	.2524	117.8	.0360	-22.4	.2811	-57.5		.35	.0161	-118.0	.0093	259.9	.0078	40.3		
	.60	.0768	-177.3	.0016	-72.4	.0772	1.6		.60	.0028	130.1	.0032	255.0	.0053	-79.2		
	.75	.0382	-170.0	.0077	-2.5	.0458	7.9		.75	.0026	-173.7	.0012	255.1	.0024	-20.5		
	.85	.0236	-169.4	.0061	-3.3	.0296	7.7		.85	.0032	-147.3						
	.95	.0022	112.7	.0022	-75.1	.0044	-71.2		.95								
	CHORD 5	.05	.0451	-256.0	.0281	-66.7	.0729		-72.4								
		.12	.0462	-259.1	.0217	-61.9	.0672		-73.6								
.20		.1003	-261.1	.0214	-59.4	.1203	-77.4										
.35		.2490	-238.2	.0186	-55.9	.2676	-58.1										
.60		.0178	-124.7	.0113	-66.3	.0153	16.2										
.75		.0093	-216.1														
.95																	



TABLE 7.- Continued

POINT NUMBER =325

MACH = .782  
Q = 3.955 KPA

RN = 2.227\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA6 = 6.06 DEG

OSCILLATING DELTA6 (PEAK) = 2.01 DEG  
OSCILLATING FREQUENCY = 5.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0084	-239.9	.0061	-33.7	.0142	-48.9	CHORD 6	.05	.0098	140.5	.0071	-49.9	.0169	-43.8
	.12	.0076	-245.8	.0064	-20.9	.0129	-45.4		.12	.0129	140.4	.0059	-52.8	.0188	-43.8
	.20	.0079	-235.5	.0078	-12.7	.0147	-34.2		.20	.0212	139.5	.0051	-52.9	.0262	-42.9
	.30	.0084	-220.8	.0093	-17.0	.0173	-28.3		.30	.0320	141.8	.0054	-51.4	.0373	-40.1
	.35	.0126	-219.0	.0108	-14.9	.0228	-27.9		.35	.0925	148.7	.0050	-53.7	.0972	-32.4
	.45	.0297	-205.5	.0165	.9	.0450	-16.2		.45	.0338	-38.5	.0045	-53.3	.0294	143.8
	.50	.0344	-192.4	.0215	5.0	.0553	-5.7		.50	.0191	-37.9	.0042	-50.7	.0151	145.7
	.60	.0206	-174.1	.0231	5.0	.0436	5.4		.60	.0067	-47.0	.0025	-47.0	.0042	133.0
	.70	.0289	-173.7	.0254	6.2	.0544	6.2		.70	.0027	-51.1	.0013	-52.5	.0014	130.3
	.75	.0348	-170.5	.0251	7.3	.0599	8.5		.75	.0010	-24.4	.0014	-48.7	.0007	-89.0
	.85			.0288	9.6				.85						
	.90	.0058	-129.6						.90						
	.95	.0192	-172.8	.0127	17.5	.0317	11.3		.95	.0016	-73.4				
CHORD 2	.05	.0077	133.7	.0075	-18.1	.0148	-32.4	CHORD 7	.05	.0097	143.9	.0067	-41.4	.0164	-38.2
	.12	.0048	146.0	.0096	-13.9	.0142	-20.6		.12	.0122	144.6	.0060	-39.6	.0181	-36.8
	.20	.0085	150.9	.0102	-13.2	.0185	-20.4		.20	.0178	143.6	.0053	-34.8	.0231	-36.0
	.35	.0183	152.7	.0132	-6.0	.0310	-18.4		.35	.0175	165.5	.0042	-34.3	.0215	-18.2
	.60	.0226	195.1	.0206	4.0	.0430	9.8		.60	.0018	-52.8	.0023	-35.3	.0008	5.0
	.75	.0337	190.2	.0170	9.7	.0507	10.1		.75	.0006	-108.4	.0012	-36.7	.0011	-5.1
	.85	.0090	-129.5						.85	.0006	163.5				
	.90	.0075	-125.0	.0043	55.2	.0119	55.1		.90	.0008	152.8	.0065	2.0	.0072	-1.3
	.95	.0151	193.5						.95	.0009	157.7	.0004	-30.2	.0013	-24.6
CHORD 3	.05	.0073	-225.1	.0066	-17.0	.0135	-31.7	CHORD 8	.05	.0092	140.4	.0069	-46.5	.0160	-42.6
	.12	.0051	-223.7	.0083	-11.6	.0129	-23.8		.12	.0144	141.8	.0055	-49.9	.0198	-41.5
	.20	.0123	-229.5	.0092	-21.3	.0209	-37.5		.20	.0186	138.8				
	.75	.0296	-167.0	.0104	11.2	.0400	12.5		.75	.0011	144.0	.0008	-80.8	.0018	-54.6
	.85			.0065	-189.7				.85						
	.90	.0053	-147.3						.90						
	.95			.0027	-188.4				.95						
CHORD 4	.05	.0071	-215.5	.0091	-19.9	.0160	-26.7	CHORD 9	.05	.0098	137.4	.0056	-57.5	.0152	-48.0
	.12	.0085	-222.0	.0100	-16.6	.0180	-28.3		.12	.0165	140.0	.0044	-59.0	.0207	-44.0
	.20	.0074	-227.0	.0103	-16.2	.0171	-29.0		.20	.0434	142.7	.0030	-53.2	.0463	-38.3
	.35	.0244	-224.7	.0114	-10.7	.0345	-34.1		.35	.0084	-46.9	.0030	-46.2	.0054	132.7
	.60	.0178	-175.7	.0005	-60.4	.0180	2.7		.60	.0017	126.8	.0016	-74.0	.0032	-63.3
	.75	.0094	-152.7	.0015	-6.6	.0107	22.9		.75	.0013	98.2	.0007	-91.1	.0021	-85.1
	.85	.0062	-166.9	.0009	-11.8	.0070	9.9		.85	.0009	98.8				
	.95	.0039	-174.2	.0003	-66.6	.0040	1.4		.95						
CHORD 5	.05	.0117	149.0	.0086	-36.3	.0203	-33.2								
	.12	.0096	145.9	.0065	-36.5	.0161	-35.1								
	.20	.0128	143.9	.0066	-33.2	.0194	-35.2								
	.35	.0292	149.2	.0044	-13.3	.0334	-28.6								
	.60	.0135	-44.3	.0033	-19.7	.0106	128.3								
	.75	.0059	176.5												
	.85														
	.95														





TABLE 7.- Continued

POINT NUMBER =327

MACH = .783  
Q = 3.967 KPA

RN = 2.235\*10E6  
K = .314

ALPHA = 2.05 DEG  
DELTA6 = 6.06 DEG

OSCILLATING DELTA6 (PEAK) = 2.05 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0066	-276.5	.0039	-48.3	.0096	-79.1	CHORD 6	.05	.0068	-301.4	.0059	228.2	.0127	-126.2		
	.12	.0036	-310.2	.0059	-48.6	.0073	-77.9		.12	.0093	-299.9	.0046	230.5	.0138	-123.1		
	.20	.0052	-311.9	.0084	-40.3	.0097	-72.7		.20	.0174	-295.4	.0039	231.6	.0212	-117.7		
	.30	.0088	-300.4	.0095	-20.1	.0117	-67.8		.30	.0216	-279.1	.0039	236.5	.0252	-102.8		
	.35	.0124	-287.8	.0120	-17.1	.0171	-63.4		.35	.0693	-267.0	.0038	238.1	.0724	-88.7		
	.45	.0311	-253.7	.0170	-6.3	.0408	-51.0		.45	.0258	-103.6	.0037	234.1	.0225	79.9		
	.50	.0420	-229.9	.0201	-1.6	.0574	-34.8		.50	.0148	-98.2	.0034	233.3	.0119	89.7		
	.60	.0344	-181.5	.0240	7.7	.0583	2.3		.60	.0026	-119.6	.0023	235.2	.0004	90.0		
	.70	.0382	-171.2	.0280	14.2	.0661	11.1		.70	.0005	-86.3	.0016	241.0	.0012	-132.0		
	.75	.0416	-166.0	.0284	18.1	.0700	15.7		.75	.0010	-41.0	.0016	243.3	.0016	-152.6		
	.85			.0328	26.3				.85								
	.90	.0144	-109.8						.90								
	.95	.0207	-161.3	.0185	44.7	.0382	30.9		.95	.0007	-148.6						
	CHORD 2	.05	.0036	-280.7	.0028	-39.1	.0055		-74.0	CHORD 7	.05	.0071	46.7	.0076	214.3	.0147	-139.7
.12		.0028	51.7	.0045	-25.1	.0047	-61.0	.12	.0088		50.5	.0066	211.9	.0152	-137.4		
.20		.0058	43.4	.0071	-21.7	.0070	-70.6	.20	.0133		57.5	.0059	209.6	.0187	-130.9		
.35		.0172	-294.0	.0111	-3.0	.0168	-75.7	.35	.0072		-222.8	.0050	209.4	.0075	-82.9		
.60		.0379	-178.7	.0201	10.7	.0579	4.5	.60	.0039		-161.9	.0032	211.9	.0011	-25.7		
.75		.0375	-162.8	.0169	23.7	.0544	19.2	.75	.0012		-295.2	.0019	212.2	.0031	-135.3		
.85		.0189	-115.1					.85	.0005		-252.8						
.90		.0159	-110.2	.0084	87.9	.0240	76.0	.90	.0005		-252.8	.0045	27.0	.0045	20.6		
.95		.0161	-156.8					.95	.0004		-216.6	.0015	216.7	.0015	-127.1		
CHORD 3		.05	.0041	-309.4	.0062	-57.1	.0085	-84.8	CHORD 8		.05	.0060	-294.7	.0060	219.0	.0117	-127.8
	.12	.0037	-317.8	.0077	-43.9	.0084	-70.1	.12		.0093	-298.2	.0048	222.1	.0139	-124.8		
	.20	.0094	-321.4	.0083	-30.6	.0101	-91.1	.20		.0122	-297.2						
	.75	.0354	-161.2	.0122	29.0	.0474	21.4	.75		.0012	-305.1	.0015	236.7	.0027	-124.1		
	.85			.0082	146.0			.85									
	.90	.0114	-128.3					.90									
CHORD 4	.05	.0044	-282.2	.0052	-42.0	.0084	-69.3	CHORD 9	.05	.0091	-307.4	.0063	218.0	.0152	-133.3		
	.12	.0058	-295.5	.0067	-34.4	.0095	-71.5		.12	.0139	-304.7	.0049	217.0	.0186	-129.5		
	.20	.0057	-304.7	.0088	-22.8	.0095	-58.8		.20	.0356	-303.9	.0038	218.1	.0392	-125.6		
	.35	.0208	-302.2	.0095	-10.6	.0194	-94.9		.35	.0064	-151.0	.0031	225.9	.0035	13.8		
	.60	.0506	-169.5	.0003	-165.4	.0503	10.4		.60	.0004	-123.4	.0017	233.4	.0014	-127.4		
	.75	.0146	-149.6	.0019	49.4	.0163	32.6		.75	.0008	-316.0	.0010	227.4	.0018	-134.1		
	.85	.0088	-160.6	.0013	50.7	.0099	23.2		.85	.0010	-316.5						
	.95	.0048	-161.3	.0005	98.1	.0049	24.3		.95								
	CHORD 5	.05	.0064	-289.6	.0026	228.2	.0088		-115.9								
		.12	.0066	-291.9	.0014	227.8	.0079		-115.5								
.20		.0096	-294.8	.0017	235.0	.0114	-116.3										
.35		.0346	-286.6	.0016	230.6	.0361	-107.6										
.60		.0176	-111.7	.0034	212.6	.0149	76.1										
.75		.0019	-165.1														
.95																	



TABLE 7.- Continued

POINT NUMBER =329

MACH = .783  
Q = 3.967 KPA

RN = 2.237\*10E6  
K = .210

ALPHA = 2.05 DEG  
DELTA6 = 6.02 DEG

OSCILLATING DELTA6 (PEAK) = 4.00 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0179	-265.1	.0101	-42.2	.0262	-69.9	CHORD 6	.05	.0166	93.7	.0144	-82.4	.0309	-84.5		
	.12	.0151	-272.9	.0119	-38.7	.0241	-69.3		.12	.0224	92.7	.0115	-80.4	.0338	-84.9		
	.20	.0164	-269.3	.0144	-27.1	.0264	-60.4		.20	.0370	91.8	.0097	-79.5	.0466	-86.4		
	.30	.0203	-256.4	.0191	-19.4	.0346	-48.9		.30	.0594	97.4	.0097	-78.6	.0691	-82.0		
	.35	.0282	-247.0	.0225	-16.8	.0460	-44.9		.35	.1320	107.1	.0092	-78.0	.1411	-73.2		
	.45	.0600	-224.1	.0322	-6.8	.0878	-31.3		.45	.0580	270.8	.0080	-77.4	.0502	89.0		
	.50	.0684	-205.0	.0393	-1.2	.1055	-16.3		.50	.0506	272.9	.0077	-77.6	.0430	91.2		
	.60	.0543	-175.9	.0458	5.5	.1001	4.7		.60	.0065	278.0	.0054	-74.4	.0013	65.2		
	.70	.0617	-170.0	.0526	9.7	.1143	9.9		.70	.0042	234.7	.0037	-75.9	.0033	-3.0		
	.75	.0688	-168.3	.0522	12.7	.1210	12.2		.75	.0030	226.1	.0038	-74.9	.0034	-25.9		
	.85			.0602	18.5				.85								
	.90	.0291	-141.8						.90								
	.95	.0535	-171.7	.0308	35.5	.0820	18.2		.95	.0037	228.6						
	CHORD 2	.05	.0134	88.4	.0129	-45.4	.0242		-68.9	CHORD 7	.05	.0186	90.7	.0125	269.8	.0310	-89.6
		.12	.0091	87.6	.0154	-41.7	.0223		-60.0		.12	.0242	91.5	.0104	271.8	.0346	-88.4
.20		.0182	87.7	.0169	-33.3	.0306	-64.0	.20	.0467		92.8	.0085	272.2	.0552	-87.3		
.35		.0407	108.5	.0256	-11.4	.0579	-49.0	.35	.0170		249.7	.0058	274.7	.0120	58.0		
.60		.0537	190.0	.0416	5.3	.0952	7.9	.60	.0004		200.8	.0036	270.8	.0035	-82.7		
.75		.0611	194.4	.0329	14.7	.0940	14.5	.75	.0021		119.6	.0015	279.5	.0035	-69.0		
.85		.0264	243.1					.85	.0026		117.7						
.90		.0282	219.1	.0123	72.4	.0391	49.0	.90	.0026		117.8	.0114	5.2	.0126	-5.7		
.95		.0494	185.4					.95	.0021		137.9	.0319	-61.5	.0339	-60.3		
CHORD 3		.05	.0119	-263.3	.0116	-47.5	.0223	-65.6	CHORD 8		.05	.0146	86.6	.0134	-83.5	.0279	-88.7
	.12	.0094	-268.5	.0143	-32.1	.0210	-54.0	.12		.0227	87.7	.0110	-83.8	.0336	-89.5		
	.20	.0243	-274.4	.0177	-25.3	.0348	-66.0	.20		.0294	88.9						
	.75	.0543	-163.6	.0214	20.3	.0756	17.5	.75		.0034	131.2	.0027	-90.6	.0057	-67.3		
	.85			.0171	-203.4			.85									
	.90	.0276	-158.6					.90									
	.95			.0211	-193.9			.95									
CHORD 4	.05	.0119	-258.2	.0137	-41.8	.0244	-58.7	CHORD 9	.05	.0225	84.3	.0123	-92.0	.0348	-94.4		
	.12	.0151	-262.8	.0162	-33.6	.0284	-57.3		.12	.0336	86.9	.0098	-93.2	.0434	-93.1		
	.20	.0140	-265.4	.0169	-29.2	.0273	-54.4		.20	.0802	89.8	.0077	-92.1	.0879	-90.4		
	.35	.0608	-262.2	.0189	-9.0	.0687	-67.0		.35	.0259	262.7	.0063	-94.4	.0196	81.7		
	.60	.0605	-158.4	.0007	-144.0	.0598	21.5		.60	.0007	239.6	.0021	-84.6	.0016	-70.2		
	.75	.0189	-162.3	.0018	35.2	.0206	19.2		.75	.0042	107.7	.0007	-57.8	.0049	-70.3		
	.85	.0154	-163.4	.0012	35.4	.0166	18.0		.85	.0040	120.3						
	.95	.0089	-168.0	.0003	-230.3	.0087	14.0		.95								
	CHORD 5	.05	.0221	107.3	.0143	-56.8	.0361		-66.5								
		.12	.0193	102.4	.0109	-49.7	.0294		-67.6								
.20		.0286	98.0	.0112	-48.9	.0385	-72.9										
.35		.1538	108.6	.0103	-54.6	.1637	-70.4										
.60		.0165	266.6	.0049	-66.2	.0123	76.2										
.75		.0045	159.3														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =331

MACH = .784  
Q = 3.973 KPA

RN = 2.239\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA6 = 6.03 DEG

OSCILLATING DELTA6 (PEAK) = 6.05 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C		UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0216	-217.1	.0166	-18.0	.0376	-28.8	CHORD 6	.05	.0286	-223.1	.0224	-41.6	.0510	-42.5
	.12	.0162	-223.4	.0202	-16.8	.0355	-28.6		.12	.0361	-222.5	.0182	-42.6	.0543	-42.5
	.20	.0208	-226.6	.0255	-16.0	.0447	-29.7		.20	.0784	-222.8	.0148	-40.8	.0932	-42.5
	.30	.0302	-219.1	.0302	-13.1	.0588	-26.1		.30	.1270	-218.4	.0141	-40.2	.1410	-38.6
	.35	.0414	-213.5	.0352	-9.3	.0749	-22.4		.35	.1882	-211.7	.0128	-39.1	.2009	-32.2
	.45	.0836	-198.6	.0520	-5.3	.1348	-13.5		.45	.0774	-40.9	.0108	-38.3	.0666	138.7
	.50	.0876	-189.7	.0628	-2.3	.1500	-6.6		.50	.0488	-40.6	.0101	-37.9	.0386	138.7
	.60	.0697	-176.9	.0702	2.4	.1399	2.8		.60	.0100	-83.8	.0068	-37.3	.0073	53.5
	.70	.0821	-174.8	.0789	5.5	.1611	5.3		.70	.0025	-149.7	.0041	-29.7	.0057	-7.8
	.75	.0943	-165.8	.0776	7.2	.1716	11.1		.75	.0014	-124.5	.0045	-33.6	.0047	-16.2
	.85			.0867	9.9				.85						
	.90	.0528	-163.9						.90						
	.95	.0865	-175.1	.0404	19.3	.1260	9.5		.95	.0043	-55.8				
CHORD 2	.05	.0211	142.0	.0215	-24.3	.0423	-31.1	CHORD 7	.05	.0305	138.0	.0205	-39.0	.0510	-40.8
	.12	.0157	139.6	.0259	-21.6	.0410	-28.7		.12	.0416	138.2	.0178	-38.1	.0594	-40.7
	.20	.0266	140.8	.0281	-15.6	.0536	-27.1		.20	.1137	139.0	.0154	-39.3	.1291	-40.8
	.35	.0653	149.5	.0403	-8.6	.1038	-22.2		.35	.0303	-50.0	.0112	-38.9	.0194	123.6
	.60	.0646	187.1	.0634	2.3	.1278	4.7		.60	.0061	105.6	.0063	-35.9	.0117	-54.8
	.75	.0787	188.2	.0488	7.0	.1275	7.8		.75	.0055	140.6	.0034	-29.9	.0088	-35.8
	.85	.0349	208.5						.85	.0038	142.3				
	.90	.0529	193.4	.0119	43.0	.0635	18.7		.90	.0034	151.9	.0195	.4	.0225	-3.7
	.95	.1044	182.4						.95	.0389	151.3	.0326	-59.4	.0690	-42.7
CHORD 3	.05	.0181	-220.0	.0204	-22.9	.0381	-30.9	CHORD 8	.05	.0269	-224.9	.0207	-45.2	.0476	-45.1
	.12	.0134	-223.2	.0255	-19.4	.0382	-27.5		.12	.0434	-224.5	.0159	-43.9	.0594	-44.4
	.20	.0314	-226.6	.0299	-16.2	.0592	-31.8		.20	.0742	-224.7				
	.75	.0742	-169.7	.0317	10.8	.1059	10.4		.75	.0029	-215.4	.0034	-34.9	.0063	-35.1
	.85			.0209	-191.6				.85						
	.90	.0495	-171.1						.90						
	.95			.0354	-184.2				.95						
CHORD 4	.05	.0203	-218.1	.0261	-21.9	.0459	-29.0	CHORD 9	.05	.0364	-229.3	.0188	-44.7	.0551	-47.7
	.12	.0236	-220.2	.0297	-19.0	.0524	-28.4		.12	.0591	-226.8	.0148	-45.9	.0739	-46.6
	.20	.0217	-221.3	.0313	-15.8	.0518	-26.2		.20	.1416	-224.8	.0116	-45.2	.1532	-44.8
	.35	.1131	-219.3	.0340	-7.6	.1431	-32.2		.35	.0265	-55.8	.0093	-45.7	.0174	118.9
	.60	.0546	-167.5	.0009	-33.6	.0553	11.8		.60	.0038	-196.6	.0034	-44.7	.0070	-29.9
	.75	.0287	-171.7	.0045	6.1	.0331	8.0		.75	.0019	-183.5	.0016	-40.3	.0033	-20.0
	.85	.0206	-169.6	.0032	5.2	.0238	9.7		.85	.0011	-132.9				
	.95	.0138	-172.7	.0013	-7.3	.0150	6.1		.95						
CHORD 5	.05	.0383	143.6	.0274	-27.3	.0655	-32.6								
	.12	.0351	141.2	.0215	-25.1	.0562	-33.6								
	.20	.0600	140.2	.0220	-25.7	.0815	-36.0								
	.35	.2343	149.1	.0189	-23.7	.2530	-30.3								
	.60	.0074	-89.0	.0088	-29.1	.0082	22.4								
	.75	.0090	174.4												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =333

MACH = .783  
Q = 3.971 KPA

RN = 2.238\*10E6  
K = .315

ALPHA = 2.05 DEG  
DELTA6 = 6.08 DEG

OSCILLATING DELTA6 (PEAK) = 6.07 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C		UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0173	39.3	.0122	-57.9	.0224	-108.0	CHORD 6	.05	.0214	60.3	.0157	-116.7	.0371	-118.4		
	.12	.0152	34.6	.0170	-44.0	.0205	-90.9		.12	.0260	59.7	.0125	-115.0	.0384	-118.5		
	.20	.0220	40.8	.0229	-33.3	.0270	-84.9		.20	.0648	63.3	.0102	-112.1	.0750	-116.1		
	.30	.0322	59.3	.0290	-23.5	.0406	-75.4		.30	.1204	83.6	.0099	-109.6	.1301	-97.4		
	.35	.0431	74.8	.0336	-15.8	.0549	-67.5		.35	.1510	97.8	.0092	-108.9	.1593	-83.7		
	.45	.0921	109.1	.0504	-6.8	.1228	-49.2		.45	.0578	-110.2	.0082	-110.8	.0496	69.9		
	.50	.1033	133.1	.0609	-.8	.1519	-30.2		.50	.0288	-120.8	.0082	-109.2	.0209	54.7		
	.60	.0961	174.0	.0712	7.3	.1663	-.4		.60	.0065	210.9	.0056	-104.0	.0047	-26.8		
	.70	.0993	187.5	.0830	12.6	.1822	9.8		.70	.0039	152.2	.0038	-97.1	.0063	-61.7		
	.75	.1034	193.5	.0833	16.7	.1866	15.0		.75	.0019	165.3	.0038	-99.2	.0045	-73.4		
	.85			.0940	25.1				.85								
	.90	.0718	-146.0						.90								
	.95	.0931	190.0	.0534	43.5	.1407	22.1		.95	.0039	200.1						
	CHORD 2	.05	.0147	53.9	.0135	-48.2	.0220		-89.2	CHORD 7	.05	.0216	55.4	.0130	-129.1	.0346	-126.3
.12		.0134	45.5	.0185	-41.4	.0223	-78.4	.12	.0317		57.5	.0114	-125.6	.0430	-123.4		
.20		.0249	43.8	.0219	-28.6	.0277	-87.6	.20	.1123		66.6	.0101	-127.5	.1221	-114.5		
.35		.0753	79.3	.0355	-12.4	.0841	-75.8	.35	.0312		-135.9	.0086	-121.9	.0230	38.9		
.60		.0955	-178.0	.0625	8.8	.1577	4.7	.60	.0053		117.6	.0049	-124.1	.0088	-92.0		
.75		.0877	-161.5	.0512	21.9	.1388	19.8	.75	.0023		142.2	.0028	-122.0	.0039	-85.0		
.85		.0596	-119.7					.85	.0026		119.2						
.90		.0664	-144.5	.0271	78.5	.0882	47.6	.90	.0025		114.7	.0160	17.1	.0166	8.4		
.95		.1073	-172.5					.95	.0024		138.9	.0016	-132.6	.0029	-75.6		
CHORD 3		.05	.0131	46.5	.0162	-50.2	.0220	-86.5	CHORD 8		.05	.0181	57.2	.0153	-118.4	.0334	-120.8
	.12	.0115	42.7	.0207	-39.1	.0222	-69.8	.12		.0304	57.0	.0120	-117.8	.0424	-121.5		
	.20	.0307	40.0	.0258	-32.1	.0335	-92.8	.20		.0585	62.6						
	.75	.0854	-160.5	.0359	28.1	.1210	22.1	.75		.0027	119.3	.0026	-101.6	.0049	-80.6		
	.85			.0268	142.1			.85									
	.90	.0586	-158.0					.90									
CHORD 4	.05	.0130	65.1	.0177	-45.0	.0253	-73.8	CHORD 9	.05	.0227	44.0	.0141	-130.0	.0368	-133.7		
	.12	.0173	51.8	.0215	-35.4	.0269	-75.3		.12	.0420	52.3	.0106	-130.2	.0526	-128.2		
	.20	.0187	46.9	.0243	-23.9	.0254	-68.1		.20	.1055	57.2	.0080	-127.0	.1135	-123.1		
	.35	.1435	65.8	.0283	-7.5	.1380	-102.9		.35	.0115	210.6	.0060	-121.8	.0067	5.9		
	.60	.1249	181.3	.0004	-106.6	.1247	1.1		.60	.0016	79.8	.0026	-97.9	.0042	-98.8		
	.75	.0371	-158.5	.0051	56.1	.0413	25.5		.75	.0019	137.4	.0015	-81.1	.0032	-59.5		
	.85	.0255	-164.3	.0032	58.3	.0280	20.1		.85	.0014	141.7						
	.95	.0152	187.8	.0010	153.3	.0144	10.0		.95								
	CHORD 5	.05	.0255	73.3	.0107	-80.1	.0354		-98.9								
		.12	.0259	66.1	.0077	-70.8	.0319		-104.3								
.20		.0564	63.2	.0073	-71.0	.0617	-112.0										
.35		.2453	87.5	.0055	-70.2	.2504	-92.0										
.60		.0192	-113.3	.0057	-115.2	.0135	67.5										
.75		.0050	113.7														
.85																	
.95																	





TABLE 7.- Continued

POINT NUMBER =338

MACH = .779  
Q = 3.859 KPA

RN = 2.214\*10E6  
K = .211

ALPHA = 2.05 DEG  
DELTA9 = .03 DEG

OSCILLATING DELTA9 (PEAK) = 2.00 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
	MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0013	36.9	.0026	-134.4	.0039	-137.4	CHORD 6	.05	.0073	107.7	.0106	-34.7	.0170	-49.9
	.12	.0009	261.8	.0017	-113.3	.0009	-128.8		.12	.0089	101.7	.0110	-28.3	.0181	-50.5
	.20	.0016	287.0	.0013	-109.0	.0009	165.5		.20	.0158	89.5	.0128	-22.3	.0237	-60.4
	.30	.0004	110.3	.0025	-46.8	.0029	-49.9		.30	.0177	107.1	.0168	-15.6	.0303	-45.1
	.35	.0015	-3.4	.0016	-72.8	.0018	-123.6		.35	.0507	118.3	.0194	-12.6	.0651	-48.7
	.45	.0017	26.0	.0022	-69.2	.0029	-105.5		.45	.0869	152.9	.0268	-6.9	.1125	-22.4
	.50	.0025	72.9	.0014	12.3	.0022	-71.9		.50	.0453	220.6	.0325	-4.5	.0720	22.0
	.60	.0006	158.8	.0013	.6	.0018	-6.1		.60	.0525	194.0	.0365	-.8	.0883	7.9
	.70	.0009	146.4	.0016	-19.0	.0025	-24.4		.70	.0659	188.1	.0360	1.8	.1018	5.9
	.75	.0003	106.3	.0012	-29.0	.0015	-37.8		.75	.0718	187.0	.0308	3.5	.1026	6.0
	.85			.0015	-21.5				.85						
	.90	.0006	68.2						.90						
	.95	.0008	43.7	.0011	-16.6	.0010	-63.7		.95	.0058	195.6				
CHORD 2	.05	.0021	3.2	.0003	-7.3	.0018	-175.3	CHORD 7	.05	.0115	124.2	.0117	-31.1	.0227	-43.3
	.12	.0021	-13.3	.0003	224.6	.0022	173.6		.12	.0136	118.7	.0143	-23.0	.0263	-41.6
	.20	.0039	-8.3	.0011	211.3	.0048	-179.7		.20	.0164	113.9	.0154	-16.8	.0289	-42.3
	.35	.0068	16.0	.0018	146.4	.0081	-174.1		.35	.1554	132.4	.0188	-11.4	.1710	-43.9
	.60	.0031	95.1	.0010	136.8	.0024	-100.9		.60	.0415	199.2	.0261	-1.6	.0666	11.2
	.75	.0020	94.5	.0004	140.7	.0018	-93.7		.75	.0406	185.6	.0226	2.8	.0632	4.6
	.85	.0018	120.3						.85	.0167	184.0				
	.90	.0013	134.8	.0006	177.5	.0010	-69.3		.90	.0061	180.8	.0004	171.4	.0058	1.5
	.95	.0011	132.0						.95	.0135	164.9	.0109	250.3	.0167	-55.9
CHORD 3	.05	.0005	203.7	.0020	-93.1	.0019	-80.5	CHORD 8	.05	.0124	122.3	.0159	-32.8	.0277	-43.7
	.12	.0007	167.2	.0024	-98.4	.0025	-83.2		.12	.0182	117.0	.0156	-25.8	.0321	-45.9
	.20	.0010	173.4	.0022	-43.1	.0030	-32.2		.20	.0205	111.1				
	.75	.0007	-32.5	.0011	-12.0	.0005	14.4		.75	.0256	188.1	.0134	-.1	.0389	5.3
	.85			.0006	-25.2				.85						
	.90	.0004	99.4						.90						
	.95			.0008	-9.2				.95						
CHORD 4	.05	.0013	72.3	.0023	-81.5	.0035	-91.3	CHORD 9	.05	.0223	128.7	.0146	-44.4	.0369	-48.6
	.12	.0007	47.3	.0027	-68.7	.0030	-81.2		.12	.0291	127.6	.0122	-39.4	.0411	-48.6
	.20	.0006	-10.4	.0018	-76.0	.0017	-95.2		.20	.0675	131.2	.0102	-33.7	.0773	-46.9
	.35	.0013	17.4	.0014	-40.3	.0013	-97.4		.35	.0639	302.2	.0104	-30.3	.0549	117.2
	.60	.0029	90.8	.0076	21.3	.0071	-1.2		.60	.0082	187.2	.0044	-41.7	.0115	-9.3
	.75	.0009	149.3	.0010	-4.0	.0018	-16.6		.75	.0062	157.4	.0017	-54.6	.0077	-29.4
	.85	.0004	132.0	.0007	10.0	.0010	-11.2		.85	.0061	138.8				
	.95	.0002	-25.9	.0004	-14.9	.0002	-1.9		.95						
CHORD 5	.05	.0045	31.3	.0019	188.8	.0063	-155.2								
	.12	.0036	26.1	.0013	164.6	.0047	-164.5								
	.20	.0056	26.5	.0007	187.3	.0063	-155.7								
	.35	.0074	46.7	.0018	-50.4	.0079	-120.3								
	.60	.0163	160.1	.0021	8.5	.0182	-16.7								
	.75	.0058	191.5												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER = 340

MACH = .781  
G = 3.886 KPA

RN = 2.217\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA9 = -.01 DEG

OSCILLATING DELTA9 (PEAK) = 3.99 DEG  
OSCILLATING FREQUENCY = 4.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0038	86.4	.0029	-41.2	.0060	-71.4	CHORD 6	.05	.0179	144.9	.0251	-21.9	.0427	-27.4
	.12	.0029	118.3	.0027	-47.9	.0056	-55.1		.12	.0202	143.0	.0256	-18.3	.0452	-26.5
	.20	.0020	134.3	.0027	-15.5	.0046	-28.0		.20	.0339	141.3	.0291	-14.8	.0616	-27.6
	.30	.0006	137.8	.0009	-31.0	.0015	-35.5		.30	.0445	152.3	.0363	-10.7	.0800	-20.0
	.35	.0014	122.8	.0011	-91.5	.0024	-72.0		.35	.1322	156.5	.0410	-8.9	.1722	-20.1
	.45	.0037	112.2	.0026	-41.8	.0061	-57.1		.45	.0944	174.8	.0539	-5.1	.1484	-5.2
	.50	.0020	114.3	.0026	-69.8	.0047	-68.0		.50	.0395	233.4	.0645	-3.1	.0924	17.8
	.60	.0052	169.7	.0013	-69.0	.0060	-20.9		.60	.0824	188.5	.0729	-.5	.1548	4.3
	.70	.0038	145.9	.0006	-6.4	.0043	-30.3		.70	.1216	184.6	.0731	1.1	.1947	3.3
	.75	.0056	134.6	.0008	-11.9	.0062	-41.5		.75	.1338	184.1	.0627	1.9	.1965	3.4
	.85			.0011	11.4				.85						
	.90	.0013	78.4						.90						
	.95	.0011	53.4	.0012	26.7	.0005	-47.4		.95	.0090	196.8				
CHORD 2	.05	.0037	103.5	.0024	-49.0	.0060	-65.7	CHORD 7	.05	.0284	152.7	.0323	-16.1	.0604	-21.3
	.12	.0021	97.1	.0022	-74.9	.0044	-78.8		.12	.0345	150.7	.0360	-13.4	.0698	-21.2
	.20	.0032	78.5	.0007	-108.3	.0039	-102.7		.20	.0560	149.4	.0366	-10.8	.0913	-22.8
	.35	.0062	104.2	.0026	-88.1	.0087	-79.4		.35	.2038	164.4	.0434	-7.6	.2468	-14.2
	.60	.0069	182.9	.0018	2.7	.0088	2.9		.60	.0668	186.2	.0559	-1.3	.1225	2.8
	.75	.0011	223.9	.0007	-11.3	.0016	22.7		.75	.0794	183.5	.0480	.9	.1273	2.5
	.85	.0008	122.1						.85	.0361	182.9				
	.90	.0010	122.6	.0004	35.2	.0010	-33.4		.90	.0134	184.9	.0014	-.6	.0148	4.3
	.95	.0005	124.7						.95	.0239	176.1	.0070	-179.1	.0169	-5.8
CHORD 3	.05	.0026	117.5	.0029	-19.2	.0051	-39.4	CHORD 8	.05	.0275	153.1	.0367	-18.5	.0640	-22.1
	.12	.0019	114.0	.0033	-26.1	.0049	-40.2		.12	.0411	151.9	.0351	-15.8	.0758	-22.4
	.20	.0044	114.7	.0027	-21.7	.0066	-49.1		.20	.0536	150.7				
	.75	.0034	135.0	.0012	-29.9	.0046	-40.9		.75	.0495	183.0	.0274	1.4	.0769	2.4
	.85			.0012	-26.6				.85						
	.90	.0010	28.8						.90						
	.95			.0005	-6.0				.95						
CHORD 4	.05	.0035	110.5	.0033	-36.2	.0065	-53.3	CHORD 9	.05	.0520	154.7	.0323	-21.1	.0842	-23.7
	.12	.0034	114.7	.0025	-25.4	.0056	-48.6		.12	.0755	156.6	.0269	-20.5	.1024	-22.6
	.20	.0027	115.9	.0011	-39.5	.0037	-57.0		.20	.1778	159.2	.0216	-18.2	.1994	-20.5
	.35	.0067	111.7	.0037	-88.4	.0102	-75.4		.35	.0867	332.8	.0198	-16.5	.0673	149.7
	.60	.0098	195.5	.0153	6.8	.0250	10.2		.60	.0108	181.8	.0079	-9.3	.0185	-2.9
	.75	.0038	144.3	.0017	-20.1	.0054	-31.0		.75	.0120	175.3	.0028	-2.0	.0148	-4.2
	.85	.0007	165.7	.0014	-37.7	.0020	-29.5		.85	.0097	170.8				
	.95	.0004	-61.1	.0004	-2.0	.0004	58.7		.95						
CHORD 5	.05	.0076	113.6	.0065	-43.7	.0138	-55.9								
	.12	.0058	111.0	.0061	-32.5	.0113	-50.3								
	.20	.0089	108.8	.0067	-29.5	.0147	-53.4								
	.35	.0264	122.7	.0072	-28.0	.0329	-51.1								
	.60	.0123	177.2	.0064	-18.2	.0186	-8.1								
	.75	.0122	187.0												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER = 342

MACH = .782  
G = 3.901 KPA

RN = 2.214\*10E6  
K = .315

ALPHA = 2.05 DEG  
DELTA9 = -.00 DEG

OSCILLATING DELTA9 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0027	-93.2	.0012	46.6	.0037	74.8	CHORD 6	.05	.0091	78.1	.0121	-36.0	.0179	-63.7	
	.12	.0046	-73.1	.0013	4.0	.0045	90.5		.12	.0118	68.8	.0151	-26.0	.0199	-62.2	
	.20	.0062	-55.6	.0011	14.0	.0059	113.9		.20	.0218	54.9	.0198	-18.4	.0249	-75.4	
	.30	.0065	-50.0	.0012	.5	.0058	121.1		.30	.0352	81.5	.0276	-12.8	.0464	-62.0	
	.35	.0082	-35.6	.0015	-14.4	.0068	139.9		.35	.1172	89.4	.0326	-10.5	.1269	-76.0	
	.45	.0186	-1.6	.0019	36.2	.0171	174.4		.45	.1033	154.5	.0456	-4.9	.1468	-19.2	
	.50	.0158	36.4	.0016	32.5	.0143	-143.2		.50	.1027	191.6	.0559	-2.5	.1575	6.6	
	.60	.0102	66.6	.0014	18.7	.0093	-107.0		.60	.1153	186.8	.0658	1.7	.1810	5.0	
	.70	.0056	91.2	.0011	22.6	.0053	-77.5		.70	.1303	187.7	.0676	4.4	.1978	6.6	
	.75	.0052	84.4	.0010	12.9	.0050	-85.0		.75	.1356	187.8	.0576	7.3	.1931	7.7	
	.85			.0007	-7.1				.85							
	.90	.0028	99.8						.90							
	.95	.0025	95.0	.0009	-298.9	.0018	-68.0		.95	.0120	194.2					
CHORD 2	.05	.0058	-72.7	.0028	-94.1	.0034	124.4	CHORD 7	.05	.0173	-258.9	.0231	-29.5	.0368	-50.4	
	.12	.0047	-69.2	.0039	-71.0	.0008	119.1		.12	.0217	-266.9	.0276	-23.9	.0421	-51.2	
	.20	.0087	-64.3	.0038	-75.6	.0050	124.3		.20	.0317	-270.1	.0302	-16.7	.0496	-54.5	
	.35	.0165	-59.8	.0028	-51.8	.0137	118.6		.35	.2233	-241.1	.0383	-8.8	.2485	-54.1	
	.60	.0114	-283.7	.0021	-3.4	.0113	-92.9		.60	.0831	-166.9	.0511	1.6	.1336	8.7	
	.75	.0061	-270.2	.0015	12.5	.0059	-75.5		.75	.0772	-172.5	.0454	7.2	.1226	7.4	
	.85	.0034	-262.5						.85	.0321	-168.8					
	.90	.0028	-258.3	.0012	26.2	.0028	-52.7		.90	.0099	-155.4	.0027	-11.2	.0122	17.3	
	.95	.0025	-261.7						.95	.0201	-189.8	.0110	-200.6	.0096	2.6	
	CHORD 3	.05	.0041	-66.8	.0012	39.3	.0046		98.8	CHORD 8	.05	.0172	104.5	.0206	-39.0	.0359
.12		.0033	-64.6	.0013	6.1	.0031	91.9	.12	.0262		94.9	.0213	-29.2	.0420	-60.3	
.20		.0086	-69.3	.0012	-24.4	.0078	104.5	.20	.0361		89.1					
.75		.0063	94.2	.0013	11.3	.0062	-74.0	.75	.0488		187.1	.0231	5.5	.0718	6.6	
.85				.0007	29.5			.85								
.90		.0035	115.1					.90								
CHORD 4	.05	.0035	-63.2	.0013	-18.0	.0028	97.3	CHORD 9	.05	.0352	109.0	.0189	-61.5	.0540	-67.7	
	.12	.0042	-56.2	.0018	-27.2	.0028	106.1		.12	.0536	109.7	.0152	-55.8	.0684	-67.1	
	.20	.0046	-51.1	.0028	-16.2	.0028	95.1		.20	.1381	115.6	.0120	-49.4	.1497	-63.2	
	.35	.0167	-40.6	.0019	-32.7	.0149	138.4		.35	.0744	281.2	.0116	-43.1	.0654	95.3	
	.60	.0206	89.0	.0149	30.6	.0180	-46.2		.60	.0133	156.5	.0051	-58.0	.0177	-32.9	
	.75	.0091	116.7	.0013	32.4	.0091	-55.0		.75	.0093	146.1	.0018	-86.7	.0105	-41.8	
	.85	.0041	122.2	.0011	40.2	.0041	-42.2		.85	.0074	126.6					
	.95	.0025	135.2	.0013	-271.4	.0018	-13.5		.95							
	CHORD 5	.05	.0056	-18.6	.0047	-47.5	.0027		-141.4							
		.12	.0057	-17.6	.0048	-40.0	.0022		-141.0							
.20		.0086	-28.2	.0052	-33.4	.0035	159.4									
.35		.0247	-17.6	.0068	-12.4	.0179	160.5									
.60		.0419	-218.1	.0069	5.3	.0471	-32.4									
.75		.0146	-192.3													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER = 344

MACH = .785  
Q = 3.924 KPA

RN = 2.222\*10E6  
K = .210

ALPHA = 2.05 DEG  
DELTA9 = .03 DEG

OSCILLATING DELTA9 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0039	10.1	.0034	-83.0	.0053	-130.4	CHORD 6	.05	.0194	-253.2	.0312	-37.4	.0483	-51.0
	.12	.0052	10.1	.0028	-69.8	.0054	-139.6		.12	.0232	-260.0	.0329	-29.4	.0508	-50.0
	.20	.0059	5.3	.0020	-68.7	.0057	-155.4		.20	.0387	-267.0	.0375	-22.4	.0644	-55.2
	.30	.0070	-329.8	.0028	-50.2	.0071	-127.0		.30	.0512	-253.4	.0490	-15.0	.0875	-44.9
	.35	.0101	-332.0	.0035	-47.6	.0098	-131.9		.35	.1324	-239.9	.0564	-12.0	.1753	-46.1
	.45	.0169	-309.8	.0024	-3.9	.0156	-122.8		.45	.2614	-221.9	.0760	-6.4	.3263	-34.1
	.50	.0140	-280.9	.0028	-22.1	.0148	-90.3		.50	.1340	-181.5	.0919	-3.8	.2258	-2.4
	.60	.0080	-251.6	.0020	-30.9	.0096	-63.8		.60	.1448	-164.4	.1052	-1.5	.2477	8.8
	.70	.0043	-237.8	.0014	-33.7	.0056	-51.8		.70	.1878	-171.9	.1072	1.9	.2947	5.9
	.75	.0044	-226.3	.0012	-27.7	.0055	-42.3		.75	.1943	-173.2	.0911	3.4	.2853	5.7
	.85			.0006	4.2				.85						
	.90	.0019	-207.2						.90						
	.95	.0018	-226.3	.0010	45.4	.0020	-16.2		.95	.0220	-166.6				
CHORD 2	.05	.0052	3.5	.0029	-81.4	.0058	-145.8	CHORD 7	.05	.0339	-237.3	.0404	-26.4	.0716	-40.5
	.12	.0041	8.1	.0037	-72.6	.0050	-125.2		.12	.0405	-242.6	.0462	-22.1	.0813	-41.0
	.20	.0076	18.8	.0034	-55.6	.0074	-135.4		.20	.0570	-245.1	.0473	-16.3	.0951	-43.1
	.35	.0147	27.7	.0052	-26.9	.0124	-132.2		.35	.2901	-220.8	.0601	-9.7	.3429	-35.6
	.60	.0092	-208.1	.0027	5.8	.0115	-20.7		.60	.1069	-162.5	.0812	-1.0	.1856	9.6
	.75	.0048	-239.0	.0024	18.0	.0059	-35.3		.75	.1150	-173.9	.0718	3.3	.1867	5.1
	.85	.0027	-226.6						.85	.0589	-173.9				
	.90	.0021	-229.4	.0018	34.4	.0029	-10.2		.90	.0187	-161.4	.0032	-1.2	.0218	15.7
	.95	.0015	-232.6						.95	.0294	-182.9	.0156	120.5	.0246	29.1
CHORD 3	.05	.0048	-325.0	.0019	-96.5	.0062	-131.7	CHORD 8	.05	.0334	-234.3	.0454	-30.3	.0771	-40.4
	.12	.0044	-333.5	.0013	-80.9	.0050	-139.2		.12	.0495	-239.6	.0444	-24.6	.0895	-43.1
	.20	.0105	19.3	.0023	-67.3	.0107	-148.1		.20	.0627	-244.6				
	.75	.0051	-211.8	.0011	-11.7	.0062	-28.1		.75	.0721	-173.6	.0403	2.0	.1123	4.8
	.85			.0011	18.0				.85						
	.90	.0033	-200.5						.90						
	.95			.0009	37.1				.95						
CHORD 4	.05	.0066	-327.2	.0035	-72.2	.0082	-123.0	CHORD 9	.05	.0641	-232.3	.0415	-40.5	.1051	-47.7
	.12	.0073	-334.0	.0035	-64.1	.0081	-128.5		.12	.0882	-232.5	.0342	-37.3	.1215	-48.3
	.20	.0072	-337.4	.0032	-57.5	.0073	-132.2		.20	.1985	-228.1	.0284	-32.1	.2260	-46.1
	.35	.0188	-336.0	.0045	-58.1	.0187	-142.3		.35	.0434	-75.1	.0253	-28.4	.0318	69.6
	.60	.0181	-220.4	.0252	15.6	.0383	-7.4		.60	.0153	-182.5	.0101	-21.3	.0251	-10.0
	.75	.0068	-194.7	.0017	-10.7	.0085	-13.9		.75	.0150	-209.1	.0039	-9.5	.0186	-25.1
	.85	.0037	-205.6	.0017	-10.5	.0054	-20.9		.85	.0139	-221.0				
	.95	.0020	-192.8	.0006	32.1	.0024	-3.2		.95						
CHORD 5	.05	.0130	49.6	.0069	-63.1	.0169	-108.3								
	.12	.0103	44.8	.0063	-48.8	.0124	-104.8								
	.20	.0144	39.2	.0076	-42.7	.0153	-111.4								
	.35	.0212	46.8	.0093	-24.4	.0203	-107.3								
	.60	.0450	-179.7	.0090	-6.9	.0540	-1.9								
	.75	.0194	-182.2												
	.85														
	.95														





TABLE 7.- Continued

POINT NUMBER =347

MACH = .780  
Q = 3.897 KPA

RN = 2.210\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA9 = 3.02 DEG

OSCILLATING DELTA9 (PEAK) = 1.98 DEG  
OSCILLATING FREQUENCY = 5.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0027	122.6	.0022	-72.0	.0049	-64.0	CHORD 6	.05	.0075	149.0	.0106	-20.1	.0180	-24.6	
	.12	.0030	109.8	.0017	-76.3	.0047	-72.4		.12	.0083	143.8	.0106	-17.2	.0187	-25.5	
	.20	.0034	87.0	.0009	-77.2	.0042	-89.8		.20	.0136	141.5	.0122	-12.3	.0252	-26.1	
	.30	.0029	95.7	.0022	-77.1	.0051	-81.2		.30	.0139	148.2	.0159	-8.1	.0292	-19.2	
	.35	.0045	97.3	.0015	-79.5	.0060	-81.9		.35	.0400	151.0	.0179	-6.1	.0569	-22.0	
	.45	.0044	89.2	.0024	-268.7	.0020	-93.4		.45	.0360	173.1	.0234	-3.9	.0593	-5.7	
	.50	.0020	137.1	.0023	-283.8	.0022	24.3		.50	.0160	-111.6	.0275	-2.1	.0362	22.6	
	.60	.0033	191.8	.0011	47.2	.0043	20.6		.60	.0322	187.5	.0313	.4	.0634	4.0	
	.70	.0013	101.5	.0003	-11.1	.0014	-66.9		.70	.0587	181.7	.0301	1.9	.0888	1.7	
	.75	.0022	88.6	.0003	-125.8	.0025	-95.2		.75	.0538	183.4	.0239	3.2	.0777	3.4	
	.85			.0008	-110.4				.85							
	.90	.0012	103.0						.90							
	.95	.0010	99.2	.0007	-103.8	.0016	-90.0		.95	.0184	188.6					
CHORD 2	.05	.0016	-1.6	.0007	-65.1	.0014	-155.1	CHORD 7	.05	.0119	-211.5	.0149	-15.0	.0265	-22.3	
	.12	.0011	46.7	.0013	-59.1	.0019	-93.5		.12	.0141	-214.2	.0154	-11.0	.0289	-22.1	
	.20	.0029	-288.0	.0018	-39.2	.0040	-82.7		.20	.0199	-217.1	.0160	-7.7	.0347	-24.0	
	.35	.0083	-275.2	.0002	165.9	.0082	-96.6		.35	.1025	-202.1	.0172	-4.5	.1191	-19.6	
	.60	.0021	-169.1	.0008	75.0	.0026	27.7		.60	.0263	-177.4	.0222	1.6	.0485	2.1	
	.75	.0014	67.3	.0004	-26.4	.0015	-96.1		.75	.0268	-183.2	.0181	4.5	.0448	-1.1	
	.85	.0012	-262.1						.85	.0128	11.4					
	.90	.0010	-260.0	.0005	-55.8	.0015	-71.8		.90	.0085	-2	.0011	-25.5	.0076	-176.7	
	.95	.0007	-260.6						.95	.0110	-186.2	.0061	-104.8	.0118	-37.2	
	CHORD 3	.05	.0009	156.5	.0012	-82.9	.0018		-57.2	CHORD 8	.05	.0116	160.0	.0153	-17.0	.0269
.12		.0009	118.9	.0015	-93.2	.0023	-81.4	.12	.0160		156.4	.0149	-13.8	.0308	-18.9	
.20		.0041	115.3	.0019	-82.2	.0059	-70.1	.20	.0188		150.8					
.75		.0019	94.5	.0006	-8.2	.0021	-68.6	.75	.0157		183.2	.0096	-2	.0253	2.0	
.85				.0001	-15.4			.85								
.90		.0019	121.8					.90								
.95			.0002	-136.7			.95									
CHORD 4	.05	.0014	102.7	.0021	-61.8	.0034	-68.0	CHORD 9	.05	.0211	156.8	.0118	-21.3	.0329	-22.6	
	.12	.0015	110.4	.0015	-63.9	.0031	-66.7		.12	.0245	154.9	.0096	-20.9	.0340	-23.9	
	.20	.0017	103.1	.0012	22.2	.0019	-38.4		.20	.0500	157.1	.0081	-20.3	.0581	-22.5	
	.35	.0068	120.2	.0018	-277.1	.0055	-48.0		.35	.0554	-24.8	.0074	-20.6	.0480	154.6	
	.60	.0062	186.2	.0046	10.7	.0108	8.1		.60	.0039	-98.6	.0031	-21.0	.0044	38.4	
	.75	.0020	151.0	.0006	-35.7	.0027	-30.6		.75	.0037	164.7	.0007	-42.5	.0043	-19.7	
	.85	.0021	124.0	.0004	-62.1	.0025	-57.0		.85	.0048	156.9					
	.95	.0012	120.5	.0004	-91.7	.0015	-67.7		.95							
	CHORD 5	.05	.0035	-252.2	.0019	-37.2	.0052		-60.2							
.12		.0033	-254.7	.0019	-30.8	.0048	-59.1									
.20		.0056	-259.2	.0023	-35.2	.0074	-66.8									
.35		.0287	-243.3	.0044	-17.5	.0319	-57.6									
.60		.0047	-201.8	.0038	1.0	.0084	-11.7									
.75		.0040	-172.5													
.85																
.95																

TABLE 7.- Continued

POINT NUMBER =348

MACH = .782  
Q = 3.910 KPARN = 2.213\*10E6  
K = .210ALPHA = 2.05 DEG  
DELTA9 = 3.03 DEGOSCILLATING DELTA9 (PEAK) = 2.03 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0024	8.1	.0009	-99.5	.0028	-154.4	CHORD 6	.05	.0058	-249.9	.0097	-33.8	.0148	-47.2	
	.12	.0036	-3.8	.0007	-96.6	.0037	-172.6		.12	.0063	-259.3	.0103	-26.7	.0150	-46.2	
	.20	.0035	-4.5	.0017	-120.0	.0045	-161.5		.20	.0107	-265.5	.0118	-20.9	.0190	-51.5	
	.30	.0047	13.1	.0016	-209.6	.0060	-177.6		.30	.0107	-251.1	.0151	-16.3	.0230	-38.6	
	.35	.0071	12.8	.0012	-221.9	.0079	-174.2		.35	.0345	-238.5	.0168	-14.0	.0480	-44.3	
	.45	.0104	34.1	.0026	-86.1	.0119	-135.2		.45	.0287	-176.5	.0225	-7.3	.0509	-1.2	
	.50	.0053	70.3	.0010	-138.0	.0061	-114.0		.50	.0259	-159.4	.0271	-3.4	.0518	8.3	
	.60	.0055	75.2	.0009	-299.0	.0046	-101.9		.60	.0386	-173.3	.0315	1.1	.0700	4.2	
	.70	.0025	113.5	.0006	-318.1	.0023	-53.0		.70	.0524	-173.4	.0305	3.8	.0829	5.5	
	.75	.0017	108.4	.0003	-310.2	.0016	-60.8		.75	.0495	-170.0	.0242	5.8	.0736	8.6	
	.85			.0004	-234.9				.85							
	.90	.0021	107.4						.90							
	.95	.0018	115.0	.0006	-201.0	.0014	-83.4		.95	.0204	-171.9					
CHORD 2	.05	.0028	78.5	.0012	-120.5	.0039	-107.2	CHORD 7	.05	.0112	-232.1	.0127	-28.8	.0234	-39.7	
	.12	.0014	72.5	.0019	-113.1	.0033	-110.6		.12	.0131	-234.7	.0135	-23.1	.0256	-38.7	
	.20	.0009	52.4	.0023	-97.9	.0031	-105.8		.20	.0166	-236.8	.0145	-19.0	.0295	-39.2	
	.35	.0026	40.2	.0028	-175.8	.0051	-158.5		.35	.1146	-221.2	.0173	-11.2	.1299	-37.4	
	.60	.0010	-189.4	.0007	-159.7	.0005	-52.3		.60	.0256	-168.1	.0227	-4.1	.0478	4.4	
	.75	.0009	-168.1	.0006	-133.4	.0005	-25.2		.75	.0294	-169.9	.0184	.9	.0476	6.5	
	.85	.0005	-159.8						.85	.0123	-5.6					
	.90	.0001	-217.5	.0003	-143.7	.0003	-116.8		.90	.0096	-14.5	.0007	-123.4	.0099	169.4	
	.95	.0002	-69.5						.95	.0300	73.0	.0093	-178.0	.0342	-121.9	
	CHORD 3	.05	.0020	-22.1	.0006	-106.1	.0021		175.2	CHORD 8	.05	.0091	-222.6	.0138	-31.8	.0228
.12		.0018	-7.5	.0015	-142.6	.0030	-166.9	.12	.0122		-228.3	.0132	-27.0	.0249	-37.2	
.20		.0054	4.7	.0013	-243.5	.0061	173.0	.20	.0144		-237.5					
.75		.0025	104.0	.0002	-28.8	.0027	-72.5	.75	.0150		-174.1	.0094	4.2	.0244	5.3	
.85				.0004	-119.3			.85								
.90		.0024	121.1					.90								
.95			.0004	-244.3			.95									
CHORD 4	.05	.0033	4.7	.0006	-208.7	.0038	179.7	CHORD 9	.05	.0160	-226.0	.0106	-42.9	.0266	-44.7	
	.12	.0032	9.4	.0001	-177.8	.0033	-170.8		.12	.0200	-229.7	.0092	-38.6	.0290	-46.2	
	.20	.0029	13.9	.0018	-99.5	.0040	-142.2		.20	.0434	-227.2	.0082	-35.2	.0515	-45.3	
	.35	.0112	10.7	.0023	-217.8	.0129	-177.2		.35	.0353	-55.2	.0077	-33.8	.0283	119.1	
	.60	.0082	109.2	.0039	-332.2	.0085	-43.9		.60	.0023	-207.3	.0031	-32.4	.0054	-30.2	
	.75	.0034	130.1	.0005	-164.8	.0032	-58.6		.75	.0018	-220.7	.0011	-40.0	.0028	-40.4	
	.85	.0023	139.4	.0006	-191.9	.0017	-50.8		.85	.0030	-259.0					
	.95	.0016	130.7	.0005	-201.7	.0012	-60.6		.95							
	CHORD 5	.05	.0029	80.1	.0025	-117.1	.0053		-107.7							
		.12	.0026	71.2	.0013	-101.1	.0039		-106.2							
.20		.0038	61.9	.0019	-79.9	.0054	-105.4									
.35		.0131	72.7	.0037	-48.9	.0154	-95.4									
.60		.0063	-172.0	.0025	-28.1	.0085	-2.2									
.75		.0037	-169.1													
.85																
.95																

TABLE 7.- Continued

POINT NUMBER =349

MACH = .782  
Q = 3.913 KPA

RN = 2.216\*10E6  
K = .315

ALPHA = 2.05 DEG  
DELTA9 = 3.02 DEG

OSCILLATING DELTA9 (PEAK) = 2.03 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	UPPER CP			LOWER CP			DELTA CP			X/C	UPPER CP			LOWER CP			DELTA CP				
	MAG	PHASE		MAG	PHASE		MAG	PHASE			MAG	PHASE		MAG	PHASE		MAG	PHASE			
CHORD 1	.05	.0032	=81.9	.0021	74.2	.0052	88.7				CHORD 6	.05	.0044	106.1	.0072	=46.0	.0113	=56.4			
	.12	.0020	=72.5	.0011	97.1	.0031	103.8					.12	.0047	91.7	.0084	=32.8	.0117	=52.1			
	.20	.0021	=39.7	.0004	=171.6	.0024	147.9					.20	.0051	67.7	.0100	=21.0	.0112	=48.4			
	.30	.0025	=15.4	.0008	=215.5	.0033	159.5					.30	.0063	64.0	.0139	=12.8	.0139	=39.2			
	.35	.0035	=10.8	.0009	=142.2	.0042	178.4					.35	.0193	85.3	.0161	=10.1	.0262	=57.1			
	.45	.0056	18.0	.0005	=60.2	.0055	=157.3					.45	.0565	130.6	.0217	=5.3	.0736	=37.6			
	.50	.0060	39.5	.0001	=247.1	.0060	=141.9					.50	.0388	177.2	.0263	=1.7	.0651	=2.3			
	.60	.0036	85.4	.0009	=103.8	.0045	=96.4					.60	.0479	184.1	.0306	2.8	.0785	3.6			
	.70	.0024	79.6	.0009	=153.8	.0030	=114.3					.70	.0598	190.9	.0303	5.8	.0900	9.2			
	.75	.0027	102.3	.0014	=168.4	.0030	=105.0					.75	.0538	193.0	.0237	9.3	.0774	11.8			
	.85			.0014	=156.3							.85									
	.90	.0008	94.7									.90									
	.95	.0004	54.6	.0012	=155.5	.0016	=148.3					.95	.0210	186.2							
CHORD 2	.05	.0014	278.4	.0014	=196.8	.0024	130.3				CHORD 7	.05	.0084	112.4	.0094	=27.7	.0167	=46.5			
	.12	.0018	271.1	.0033	=179.9	.0038	151.7					.12	.0100	102.0	.0111	=21.0	.0185	=47.8			
	.20	.0048	268.2	.0006	138.4	.0052	93.5					.20	.0126	94.0	.0124	=13.8	.0202	=50.2			
	.35	.0064	290.3	.0008	=146.2	.0063	117.2					.35	.1205	111.6	.0157	=5.7	.1285	=62.2			
	.60	.0050	63.9	.0002	129.9	.0049	=117.8					.60	.0348	194.8	.0218	3.6	.0563	10.5			
	.75	.0019	81.6	.0005	=75.2	.0023	=94.0					.75	.0287	193.0	.0183	8.7	.0469	11.3			
	.85	.0018	89.4									.85	.0127	=13.1							
	.90	.0015	88.3	.0002	115.5	.0013	=95.3					.90	.0103	=9.5	.0003	=64.3	.0102	171.6			
	.95	.0012	67.6									.95	.0110	165.9	.0106	=188.6	.0011	=79.9			
CHORD 3	.05	.0012	=55.4	.0009	=227.7	.0021	127.9				CHORD 8	.05	.0064	118.1	.0109	=35.6	.0169	=45.3			
	.12	.0013	=63.7	.0005	=182.6	.0016	133.2					.12	.0086	108.2	.0114	=27.3	.0185	=46.3			
	.20	.0035	=71.2	.0014	=157.0	.0036	130.6					.20	.0102	95.8							
	.75	.0022	108.5	.0006	=130.3	.0025	=82.9					.75	.0153	190.9	.0091	5.6	.0243	8.9			
	.85			.0005	=141.9							.85									
	.90	.0012	123.3									.90									
	.95			.0005	=204.2							.95									
CHORD 4	.05	.0018	=62.7	.0011	=141.6	.0019	151.5				CHORD 9	.05	.0147	117.5	.0098	=61.8	.0245	=62.2			
	.12	.0018	=52.4	.0011	=139.0	.0020	161.4					.12	.0168	113.9	.0078	=54.7	.0245	=62.5			
	.20	.0018	=44.8	.0025	=160.6	.0037	173.1					.20	.0351	116.8	.0068	=49.6	.0418	=61.0			
	.35	.0077	=31.3	.0009	=159.6	.0083	153.6					.35	.0431	=75.5	.0062	=44.5	.0380	99.7			
	.60	.0064	95.0	.0047	34.1	.0058	=40.2					.60	.0048	165.8	.0030	=47.7	.0074	=26.9			
	.75	.0035	=208.8	.0006	=101.4	.0037	=37.1					.75	.0040	120.0	.0013	=52.2	.0053	=58.1			
	.85	.0015	122.3	.0003	=130.9	.0016	=68.6					.85	.0052	100.0							
	.95	.0010	124.4	.0004	=196.2	.0007	=78.9					.95									
CHORD 5	.05	.0028	10.1	.0006	=97.8	.0030	=158.4														
	.12	.0030	=7	.0007	=56.6	.0027	=168.7														
	.20	.0038	=16.7	.0003	=8.5	.0035	162.4														
	.35	.0149	=15.8	.0024	=30.9	.0126	167.1														
	.60	.0152	137.3	.0022	3.7	.0168	=37.2														
	.75	.0068	163.8																		
	.85																				
	.95																				



TABLE 7.- Continued

POINT NUMBER =351

MACH = .786  
G = 3.946 KPA

RN = 2.221\*10E6  
K = .209

ALPHA = 2.05 DEG  
DELTA9 = 3.02 DEG

OSCILLATING DELTA9 (PEAK) = 3.98 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0045	=38.0	.0022	=223.9	.0068	140.1	CHORD 6	.05	.0114	=259.3	.0185	=38.2	.0280	=53.6
	.12	.0025	=10.7	.0010	=281.9	.0027	147.9		.12	.0129	=262.9	.0194	=31.4	.0292	=51.6
	.20	.0043	33.7	.0020	32.7	.0023	=145.5		.20	.0213	91.6	.0220	=24.2	.0367	=55.7
	.30	.0052	33.4	.0012	=290.6	.0043	=156.0		.30	.0258	=261.2	.0288	=16.6	.0462	=46.9
	.35	.0080	36.8	.0007	=37.0	.0078	=138.1		.35	.0582	=242.3	.0327	=13.5	.0835	=45.1
	.45	.0139	65.3	.0020	=289.7	.0119	=115.6		.45	.1909	=227.2	.0442	=7.4	.2266	=40.0
	.50	.0091	91.4	.0015	=269.4	.0076	=88.5		.50	.0734	=174.8	.0532	=4.6	.1262	1.0
	.60	.0059	130.0	.0003	=191.8	.0057	=52.0		.60	.0849	=163.3	.0615	=.6	.1447	9.4
	.70	.0045	114.1	.0010	=238.8	.0035	=67.9		.70	.1069	=169.1	.0602	1.7	.1665	7.6
	.75	.0032	105.9	.0011	=247.2	.0021	=77.5		.75	.0976	=169.4	.0466	3.2	.1440	8.2
	.85			.0012	=230.6				.85						
	.90	.0014	167.4						.90						
	.95	.0013	163.3	.0015	=217.5	.0005	81.3		.95	.0458	=170.5				
CHORD 2	.05	.0023	39.2	.0017	=150.3	.0040	=144.9	CHORD 7	.05	.0194	127.6	.0234	=27.3	.0417	=38.6
	.12	.0020	18.7	.0019	=120.7	.0037	=142.0		.12	.0220	122.2	.0256	=21.2	.0452	=38.1
	.20	.0036	2.2	.0027	=78.4	.0041	=138.6		.20	.0259	116.6	.0282	=16.8	.0497	=39.1
	.35	.0070	17.2	.0033	=93.7	.0087	=142.3		.35	.1856	131.1	.0339	=10.2	.2131	=43.2
	.60	.0039	109.7	.0017	=55.3	.0056	=65.7		.60	.0606	204.9	.0446	=1.0	.1025	14.0
	.75	.0020	127.3	.0015	=53.8	.0035	=53.2		.75	.0558	186.6	.0374	3.3	.0932	5.2
	.85	.0020	108.3						.85	.0104	=14.3				
	.90	.0015	111.6	.0008	=35.2	.0023	=56.8		.90	.0125	=19.1	.0014	=47.3	.0113	164.2
	.95	.0010	100.8						.95	.0222	176.5	.0155	=222.9	.0142	40.4
CHORD 3	.05	.0027	=1.1	.0016	=260.0	.0034	151.8	CHORD 8	.05	.0177	=236.7	.0259	=32.9	.0427	=42.5
	.12	.0025	8.0	.0019	=299.9	.0020	140.4		.12	.0248	=241.7	.0257	=26.5	.0481	=43.8
	.20	.0061	16.9	.0020	29.7	.0042	=168.9		.20	.0290	=246.5				
	.75	.0037	125.4	.0008	=253.9	.0029	=49.3		.75	.0334	=171.8	.0183	.3	.0516	5.4
	.85			.0008	=249.2				.85						
	.90	.0024	163.2						.90						
	.95			.0010	=227.8				.95						
CHORD 4	.05	.0040	23.9	.0006	=59.9	.0040	=147.9	CHORD 9	.05	.0323	=231.4	.0229	=43.7	.0551	=48.2
	.12	.0045	21.5	.0004	=156.6	.0049	=158.3		.12	.0376	=232.9	.0188	=41.2	.0562	=49.0
	.20	.0044	26.0	.0005	=189.8	.0048	=157.4		.20	.0743	=228.2	.0163	=38.5	.0904	=46.5
	.35	.0125	37.7	.0020	.4	.0110	=136.0		.35	.0366	=74.1	.0147	=33.3	.0273	85.3
	.60	.0087	129.0	.0083	28.4	.0131	=12.4		.60	.0099	=160.2	.0070	=36.6	.0150	=3.1
	.75	.0054	148.3	.0007	=263.5	.0050	=25.5		.75	.0083	=194.3	.0030	308.5	.0109	=24.0
	.85	.0033	156.4	.0006	=244.2	.0028	=15.5		.85	.0092	=215.0				
	.95	.0016	146.6	.0009	=219.6	.0007	=26.0		.95						
CHORD 5	.05	.0056	54.9	.0054	=81.5	.0102	=103.8								
	.12	.0048	51.3	.0050	=70.9	.0085	=99.0								
	.20	.0065	44.5	.0057	=59.5	.0096	=100.3								
	.35	.0159	38.7	.0066	=28.4	.0146	=116.7								
	.60	.0237	177.5	.0054	=25.3	.0287	=6.6								
	.75	.0096	171.1												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =353

MACH = .786  
Q = 3.951 KPA

RN = 2.221\*10E6  
K = .104

ALPHA = 2.05 DEG  
DELTA9 = 3.03 DEG

OSCILLATING DELTA9 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 4.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0033	-277.0	.0006	-45.1	.0037	-89.2	CHORD 6	.05	.0213	146.5	.0322	-17.2	.0529	-23.6		
	.12	.0038	-286.9	.0004	241.8	.0041	-107.9		.12	.0232	143.9	.0337	-14.3	.0559	-23.2		
	.20	.0045	-271.1	.0012	-40.2	.0054	-80.7		.20	.0396	139.1	.0369	-11.3	.0740	-26.6		
	.30	.0042	-272.7	.0039	-23.6	.0067	-59.6		.30	.0510	145.3	.0473	-8.2	.0957	-21.9		
	.35	.0059	-271.1	.0025	.6	.0064	-67.6		.35	.1451	150.4	.0534	-6.8	.1954	-23.5		
	.45	.0097	-256.9	.0013	-17.3	.0104	-70.7		.45	.1181	165.3	.0703	-3.7	.1876	-10.6		
	.50	.0055	-213.3	.0027	-62.1	.0080	-42.7		.50	.0461	228.8	.0833	-2.2	.1179	15.5		
	.60	.0042	-219.7	.0018	-87.8	.0056	-53.8		.60	.0977	189.9	.0941	.1	.1912	5.1		
	.70	.0027	-227.9	.0017	-67.0	.0044	-55.3		.70	.1179	185.8	.0922	1.3	.2099	3.8		
	.75	.0026	-228.4	.0018	-54.8	.0044	-51.0		.75	.1110	186.5	.0713	2.4	.1822	4.9		
	.85			.0014	-39.0				.85								
	.90	.0017	-202.9						.90								
	.95	.0014	-182.7	.0006	-61.6	.0018	-18.1		.95	.0704	184.0						
	CHORD 2	.05	.0038	107.3	.0030	-44.4	.0066		-60.2	CHORD 7	.05	.0360	154.7	.0410	-14.9	.0767	-19.8
		.12	.0023	102.6	.0033	-54.8	.0055		-64.2		.12	.0420	152.6	.0444	-12.3	.0857	-19.6
.20		.0036	95.6	.0043	-54.2	.0076	-68.0	.20	.0629		150.5	.0460	-10.6	.1074	-21.5		
.35		.0068	112.1	.0018	30.5	.0068	-53.1	.35	.2382		163.1	.0549	-6.7	.2924	-15.0		
.60		.0027	123.4	.0018	-43.3	.0044	-51.3	.60	.0666		185.4	.0697	-1.9	.1360	1.7		
.75		.0041	153.2	.0017	-50.8	.0057	-33.9	.75	.0778		184.2	.0577	.5	.1354	2.6		
.85		.0015	177.3					.85	.0026		260.1						
.90		.0011	215.0	.0009	-63.7	.0013	-7.6	.90	.0031		-35.4	.0030	-47.1	.0006	-142.5		
.95		.0009	230.9					.95	.0365		178.4	.0296	-181.8	.0069	-.8		
CHORD 3		.05	.0015	-293.6	.0013	-64.8	.0026	-91.0	CHORD 8		.05	.0329	151.6	.0451	-17.3	.0776	-22.0
	.12	.0015	-276.7	.0021	-51.6	.0034	-70.2	.12		.0465	150.0	.0431	-14.4	.0888	-22.5		
	.20	.0054	-270.2	.0046	-14.1	.0079	-55.4	.20		.0586	147.4						
	.75	.0019	-231.0	.0014	-36.6	.0033	-44.7	.75		.0481	185.0	.0288	2.1	.0769	3.9		
	.85			.0007	-21.0			.85									
	.90	.0019	-187.2					.90									
	.95			.0002	-56.8			.95									
CHORD 4	.05	.0030	-235.8	.0045	-39.6	.0073	-46.0	CHORD 9	.05	.0551	154.5	.0375	-20.6	.0926	-23.5		
	.12	.0029	-252.9	.0044	-43.4	.0071	-55.1		.12	.0736	154.4	.0310	-19.6	.1045	-23.8		
	.20	.0029	-256.7	.0032	-57.8	.0060	-66.8		.20	.1648	156.1	.0264	-17.1	.1910	-23.0		
	.35	.0110	-256.1	.0021	-46.1	.0129	-71.4		.35	.0816	-27.6	.0237	-16.0	.0587	14.7		
	.60	.0104	-209.4	.0142	11.5	.0231	-5.6		.60	.0136	182.1	.0085	-18.9	.0218	-5.9		
	.75	.0028	-211.9	.0016	-16.2	.0043	-26.1		.75	.0108	168.5	.0024	-19.7	.0132	-13.0		
	.85	.0025	-181.9	.0010	-20.4	.0035	-6.9		.85	.0100	160.2						
	.95	.0010	-159.5	.0003	-94.8	.0010	5.1		.95								
	CHORD 5	.05	.0076	116.9	.0088	-36.9	.0160		-49.1								
.12		.0071	119.5	.0086	-31.5	.0152	-44.6										
.20		.0101	116.2	.0101	-28.7	.0193	-46.2										
.35		.0391	117.9	.0105	-23.8	.0478	-54.3										
.60		.0174	189.1	.0093	-11.0	.0264	2.1										
.75		.0130	171.2														
.85																	
.95																	





TABLE 7.- Continued

POINT NUMBER =355

MACH = .783  
Q = 3.932 KPA

RN = 2.214\*10E6  
K = .314

ALPHA = 2.05 DEG  
DELTA9 = 3.06 DEG

OSCILLATING DELTA9 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 14.98 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0048	=50.2	.0009	254.8	.0044	139.8	CHORD 6	.05	.0135	86.3	.0200	=33.4	.0291	=57.1
	.12	.0051	=58.1	.0013	228.4	.0049	136.3		.12	.0149	78.3	.0232	=24.2	.0302	=53.0
	.20	.0062	=60.8	.0011	200.1	.0065	128.9		.20	.0268	62.6	.0286	=16.0	.0352	=64.4
	.30	.0066	=41.9	.0019	256.6	.0059	154.8		.30	.0375	81.9	.0393	=9.0	.0548	=52.2
	.35	.0100	=27.2	.0018	264.6	.0095	162.9		.35	.1184	93.6	.0454	=6.7	.1341	=66.9
	.45	.0199	4.6	.0012	276.7	.0199	=171.8		.45	.1727	124.8	.0623	=2.3	.2160	=41.9
	.50	.0151	41.7	.0001	274.2	.0152	=138.0		.50	.1245	186.6	.0752	.0	.1994	4.2
	.60	.0096	72.6	.0007	=35.0	.0098	=103.6		.60	.1406	189.4	.0882	3.6	.2285	7.1
	.70	.0070	85.5	.0012	280.4	.0082	=92.3		.70	.1405	196.6	.0881	6.3	.2278	12.7
	.75	.0055	95.8	.0010	=55.5	.0065	=79.7		.75	.1187	194.8	.0682	10.5	.1868	13.2
	.85			.0009	=62.5				.85						
	.90	.0034	101.3						.90						
	.95	.0028	95.1	.0006	=14.4	.0031	=73.4		.95	.0732	190.5				
CHORD 2	.05	.0046	=84.8	.0006	142.2	.0051	100.4	CHORD 7	.05	.0230	106.4	.0276	=25.2	.0461	=47.1
	.12	.0038	=72.3	.0005	60.4	.0042	102.6		.12	.0283	97.6	.0320	=18.9	.0513	=48.4
	.20	.0059	=63.0	.0024	299.7	.0035	115.2		.20	.0406	92.9	.0357	=13.5	.0612	=53.0
	.35	.0175	=42.3	.0018	308.2	.0157	138.8		.35	.2494	116.4	.0448	=5.7	.2758	=55.7
	.60	.0129	84.7	.0018	3.3	.0127	=87.1		.60	.0875	198.9	.0616	3.1	.1477	12.4
	.75	.0066	103.0	.0010	8.1	.0067	=68.4		.75	.0761	190.7	.0539	8.8	.1299	9.9
	.85	.0049	117.2						.85	.0141	=64.9				
	.90	.0037	120.5	.0006	42.4	.0036	=50.4		.90	.0098	=69.5	.0019	14.4	.0098	99.6
	.95	.0030	114.6						.95	.0742	167.7	.0446	145.0	.0373	15.2
CHORD 3	.05	.0054	=59.4	.0016	169.5	.0065	131.3	CHORD 8	.05	.0227	109.1	.0287	=30.6	.0483	=48.3
	.12	.0039	=59.0	.0011	214.7	.0039	137.9		.12	.0326	101.5	.0297	=23.4	.0553	=52.3
	.20	.0091	=62.4	.0012	=59.6	.0078	117.2		.20	.0404	94.2				
	.75	.0067	103.9	.0008	=40.0	.0073	=72.5		.75	.0456	195.2	.0257	10.5	.0712	13.5
	.85			.0003	78.7				.85						
	.90	.0038	115.2						.90						
	.95			.0007	100.5				.95						
CHORD 4	.05	.0031	=52.9	.0016	214.3	.0036	153.3	CHORD 9	.05	.0421	112.6	.0221	=54.8	.0639	=63.1
	.12	.0049	=50.0	.0015	236.2	.0047	147.4		.12	.0546	111.6	.0185	=49.2	.0723	=63.6
	.20	.0057	=48.4	.0016	=48.2	.0040	131.6		.20	.1256	118.3	.0155	=44.2	.1405	=59.8
	.35	.0244	=32.9	.0028	=74.1	.0224	151.8		.35	.0836	=80.3	.0133	=42.3	.0736	93.4
	.60	.0218	90.3	.0152	43.9	.0158	=45.6		.60	.0132	185.4	.0052	=45.4	.0170	=8.2
	.75	.0086	118.1	.0006	=.5	.0089	=58.4		.75	.0106	157.1	.0010	=58.7	.0115	=25.9
	.85	.0051	130.8	.0006	48.2	.0050	=41.9		.85	.0100	125.4				
	.95	.0027	139.6	.0010	92.2	.0022	=21.2		.95						
CHORD 5	.05	.0065	=9.8	.0029	=33.0	.0039	=172.5								
	.12	.0072	=10.0	.0043	=24.5	.0032	=169.8								
	.20	.0114	=13.1	.0046	=20.1	.0068	171.6								
	.35	.0414	=4.7	.0060	=9.5	.0355	176.1								
	.60	.0465	152.4	.0070	10.1	.0521	=22.9								
	.75	.0175	166.6												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =358

MACH = .779  
Q = 3.906 KPA

RN = 2.212\*10E6  
K = .211

ALPHA = 2.05 DEG  
DELTA9 = -3.03 DEG

OSCILLATING DELTA9 (PEAK) = 2.03 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	UPPER CP			LOWER CP		DELTA CP		X/C	UPPER CP			LOWER CP		DELTA CP	
	MAG	PHASE		MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0079	32.6	.0021	-27.4	.0070	-132.1	CHORD 6	.05	.0105	114.0	.0115	321.4	.0213	-51.7
	.12	.0037	49.4	.0020	-16.6	.0035	-99.0		.12	.0249	109.7	.0118	332.4	.0345	-56.8
	.20	.0046	82.3	.0013	-24.4	.0052	-83.8		.20	.0525	110.2	.0143	340.6	.0626	-59.7
	.30	.0057	71.7	.0010	-14.3	.0057	-98.4		.30	.0734	143.0	.0183	-12.6	.0904	-32.2
	.35	.0064	84.2	.0016	26.1	.0057	-81.9		.35	.0308	214.8	.0209	-10.8	.0477	16.6
	.45	.0050	99.1	.0013	-4.1	.0055	-67.5		.45	.0367	179.8	.0279	-6.8	.0645	-3.1
	.50	.0044	121.3	.0011	-5.0	.0052	-48.7		.50	.0394	181.2	.0340	-4.2	.0733	-1.3
	.60	.0046	99.6	.0008	23.0	.0045	-70.9		.60	.0506	182.3	.0389	-1.1	.0895	1.3
	.70	.0020	171.2	.0006	32.8	.0025	.6		.70	.0620	183.5	.0403	3.0	.1022	3.3
	.75	.0022	162.0	.0003	48.1	.0023	-10.8		.75	.0716	184.7	.0375	4.3	.1091	4.6
	.85			.0006	143.2				.85						
	.90	.0018	138.0						.90						
	.95	.0014	141.7	.0006	147.3	.0008	-42.6		.95	.0007	194.4				
CHORD 2	.05	.0010	20.1	.0015	267.1	.0021	-119.4	CHORD 7	.05	.0169	131.0	.0177	334.8	.0338	-36.8
	.12	.0020	39.2	.0013	237.7	.0033	-133.5		.12	.0326	126.9	.0203	-21.6	.0511	-41.1
	.20	.0028	23.6	.0005	242.1	.0032	-150.9		.20	.1116	141.2	.0202	-15.2	.1304	-35.3
	.35	.0097	36.4	.0015	329.0	.0092	-135.2		.35	.0304	175.4	.0238	-8.7	.0542	-6.4
	.60	.0020	126.4	.0010	22.1	.0025	-30.5		.60	.0403	179.1	.0292	2.9	.0694	.7
	.75	.0011	148.5	.0006	10.9	.0016	-16.6		.75	.0477	182.6	.0282	6.9	.0759	4.2
	.85	.0004	157.9						.85	.0477	182.4				
	.90	.0006	164.7	.0007	10.4	.0013	-1.2		.90	.0195	184.4	.0014	29.1	.0208	6.0
	.95	.0007	164.2						.95	.0072	179.4	.0035	22.9	.0105	7.0
CHORD 3	.05	.0040	17.1	.0014	-15.5	.0029	-147.9	CHORD 8	.05	.0193	134.0	.0185	329.8	.0375	-38.2
	.12	.0030	31.7	.0017	-25.0	.0025	-114.1		.12	.0499	131.4	.0176	334.8	.0664	-42.6
	.20	.0057	50.3	.0015	-32.4	.0057	-114.2		.20	.1553	138.7				
	.75	.0022	143.4	.0007	42.2	.0024	-21.0		.75	.0319	185.4	.0167	5.1	.0486	5.3
	.85			.0012	45.0				.85						
	.90	.0016	137.4						.90						
	.95			.0012	49.7				.95						
CHORD 4	.05	.0021	40.8	.0007	-85.2	.0026	-127.3	CHORD 9	.05	.0379	140.4	.0179	324.7	.0557	-38.2
	.12	.0032	48.0	.0014	-41.2	.0035	-108.8		.12	.0825	146.5	.0141	327.7	.0966	-33.3
	.20	.0040	54.4	.0021	-38.8	.0046	-98.9		.20	.0593	159.2	.0112	331.7	.0704	-22.0
	.35	.0431	70.3	.0011	-6.4	.0429	-108.3		.35	.0133	164.0	.0091	337.8	.0223	-18.5
	.60	.0061	133.3	.00134	15.9	.0171	-2.6		.60	.0077	167.3	.0023	-8.0	.0099	-11.6
	.75	.0022	166.2	.0010	45.5	.0028	3.4		.75	.0051	179.0	.0008	82.1	.0052	8.1
	.85	.0018	142.8	.0009	35.7	.0023	-14.6		.85	.0027	205.6				
	.95	.0010	157.9	.0008	51.9	.0015	11.6		.95						
CHORD 5	.05	.0055	42.2	.0018	286.8	.0064	-123.4								
	.12	.0057	45.2	.0018	318.5	.0059	-116.9								
	.20	.0132	41.8	.0025	319.4	.0131	-127.2								
	.35	.0216	106.7	.0036	313.6	.0248	-69.5								
	.60	.0093	174.0	.0029	-6.0	.0123	-6.0								
	.75	.0043	155.3												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =360

MACH = .780  
G = 3.918 KPA

RN = 2.211\*10E6  
K = .105

ALPHA = 2.05 DEG  
DELTA9 = -3.08 DEG

OSCILLATING DELTA9 (PEAK) = 4.00 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0044	-236.8	.0024	-75.9	.0067	-63.5	CHORD 6	.05	.0191	-211.4	.0270	-20.6	.0459	-25.1		
	.12	.0027	-230.0	.0023	-52.6	.0050	-51.2		.12	.0297	-212.7	.0273	-17.1	.0565	-25.2		
	.20	.0023	-222.7	.0024	-51.0	.0048	-46.9		.20	.0692	-213.6	.0300	-14.2	.0980	-27.8		
	.30	.0029	-220.4	.0021	-72.8	.0048	-54.0		.30	.1900	-202.4	.0370	-9.4	.2262	-20.3		
	.35	.0034	-218.1	.0016	-52.6	.0050	-42.8		.35	.1130	-191.9	.0426	-7.4	.1555	-10.7		
	.45	.0053	-199.0	.0027	-96.6	.0065	-42.9		.45	.0530	-166.4	.0590	-4.1	.1107	4.3		
	.50	.0047	-176.6	.0028	-84.7	.0056	-27.2		.50	.0606	-175.8	.0717	-2.5	.1321	.6		
	.60	.0031	-203.7	.0019	-40.9	.0050	-30.3		.60	.0969	-178.1	.0803	-.4	.1772	.8		
	.70	.0016	-187.9	.0010	-19.1	.0026	-12.0		.70	.1263	-176.9	.0824	1.4	.2086	2.4		
	.75	.0087	-246.8	.0005	-3.2	.0089	-64.1		.75	.1407	-176.7	.0759	2.1	.2166	2.9		
	.85			.0002	122.1				.85								
	.90	.0011	-211.7						.90								
	.95	.0006	-236.3	.0004	214.6	.0007	-90.9		.95	.0015	-168.5						
	CHORD 2	.05	.0024	104.2	.0019	-62.0	.0043		-69.7	CHORD 7	.05	.0358	155.0	.0373	-18.3	.0729	-21.6
		.12	.0016	94.5	.0015	-72.7	.0031		-79.1		.12	.0516	153.1	.0411	-15.5	.0922	-21.8
.20		.0029	115.1	.0008	46.9	.0027	-48.9	.20	.1986		154.8	.0405	-11.3	.2381	-22.8		
.35		.0097	116.8	.0033	-69.0	.0129	-64.7	.35	.0373		207.4	.0499	-6.5	.0834	7.9		
.60		.0025	166.6	.0022	-42.7	.0045	-27.3	.60	.0767		181.1	.0624	-.4	.1392	.4		
.75		.0010	162.4	.0011	-44.4	.0020	-31.8	.75	.0902		181.9	.0576	1.8	.1478	1.8		
.85		.0010	153.7					.85	.0904		180.7						
.90		.0010	167.8	.0008	-43.7	.0017	-26.1	.90	.0413		180.5	.0027	-25.4	.0438	-1.0		
.95		.0005	185.0					.95	.0178		174.0	.0082	3.8	.0259	-2.9		
CHORD 3		.05	.0029	-249.6	.0027	-49.6	.0055	-60.1	CHORD 8		.05	.0371	-204.8	.0394	-18.1	.0764	-21.3
	.12	.0019	-252.4	.0023	-65.6	.0041	-68.7	.12		.0698	-205.2	.0380	-14.8	.1074	-21.5		
	.20	.0032	-242.2	.0025	-73.3	.0057	-67.1	.20		.2601	-201.3						
	.75	.0028	-200.6	.0008	-29.7	.0036	-22.7	.75		.0606	-176.7	.0352	1.9	.0958	2.8		
	.85			.0004	-29.8			.85									
	.90	.0018	-192.4					.90									
CHORD 4	.05	.0036	-253.2	.0032	-70.5	.0068	-72.0	CHORD 9	.05	.0717	-200.5	.0382	-19.6	.1099	-20.2		
	.12	.0034	-246.9	.0039	-67.4	.0073	-67.2		.12	.1507	-197.7	.0314	-19.1	.1822	-18.0		
	.20	.0031	-240.6	.0034	-50.6	.0065	-55.4		.20	.1815	-194.1	.0257	-17.3	.2071	-14.5		
	.35	.0245	-226.6	.0034	-71.7	.0276	-49.6		.35	.0110	-175.3	.0226	-14.7	.0332	-8.4		
	.60	.0097	-203.6	.0273	4.1	.0362	-3.0		.60	.0130	-178.4	.0071	-8.6	.0200	-2.0		
	.75	.0046	-188.8	.0011	-31.4	.0057	-13.1		.75	.0069	-177.9	.0018	-.3	.0087	1.6		
	.85	.0027	-194.1	.0009	-21.9	.0037	-16.1		.85	.0018	-115.5						
	.95	.0012	-173.5	.0004	-23.1	.0016	-.3		.95								
	CHORD 5	.05	.0080	126.0	.0074	-46.8	.0154		-50.6								
.12		.0072	121.2	.0067	-41.8	.0138	-50.6										
.20		.0114	116.4	.0073	-35.5	.0182	-52.7										
.35		.0569	123.4	.0078	-21.5	.0634	-52.6										
.60		.0137	187.2	.0073	-18.3	.0205	-1.6										
.75		.0109	185.9														
.95																	



TABLE 7.- Continued

POINT NUMBER =362

MACH = .782  
Q = 3.925 KPA

RN = 2.213\*10E6  
K = .315

ALPHA = 2.05 DEG  
DELTA9 = -3.04 DEG

OSCILLATING DELTA9 (PEAK) = 4.05 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0075	282.5	.0011	-168.8	.0076	111.1	CHORD 6	.05	.0140	80.2	.0171	-41.8	.0272	-67.7		
	.12	.0052	309.1	.0020	-160.8	.0062	147.2		.12	.0209	72.3	.0197	-30.9	.0318	-70.7		
	.20	.0060	-25.4	.0027	-138.4	.0075	173.8		.20	.0533	70.2	.0243	-22.6	.0596	-85.8		
	.30	.0084	-24.9	.0022	-139.0	.0095	167.5		.30	.1697	101.9	.0327	-15.1	.1868	-69.1		
	.35	.0116	-19.7	.0027	-95.4	.0112	173.6		.35	.1763	126.9	.0385	-12.4	.2071	-46.1		
	.45	.0188	22.5	.0023	-104.0	.0203	-152.3		.45	.0886	192.3	.0541	-6.2	.1409	5.3		
	.50	.0131	56.8	.0023	-95.3	.0152	-119.1		.50	.0920	188.4	.0668	-3.5	.1579	3.4		
	.60	.0090	87.4	.0014	-74.0	.0104	-90.2		.60	.1069	185.3	.0762	1.1	.1830	3.6		
	.70	.0061	106.2	.0013	-70.6	.0073	-73.3		.70	.1299	186.4	.0797	4.4	.2097	5.6		
	.75	.0054	109.6	.0014	-51.6	.0068	-66.5		.75	.1444	187.4	.0736	6.6	.2180	7.2		
	.85			.0012	-63.7				.85								
	.90	.0021	106.9						.90								
.95	.0018	125.0	.0009	-69.9	.0027	-59.7	.95	.0024	263.9								
CHORD 2	.05	.0047	293.5	.0030	175.6	.0067	136.8	CHORD 7	.05	.0292	107.9	.0280	-43.5	.0554	-58.1		
	.12	.0035	300.3	.0026	177.2	.0054	144.2		.12	.0457	103.9	.0321	-34.9	.0729	-59.2		
	.20	.0057	294.7	.0023	177.0	.0071	131.3		.20	.1943	112.2	.0330	-24.6	.2195	-61.9		
	.35	.0107	-11.5	.0026	219.6	.0125	177.9		.35	.0746	194.4	.0439	-14.5	.1150	3.8		
	.60	.0075	105.5	.0012	-60.6	.0086	-72.6		.60	.0797	184.6	.0594	-1.2	.1389	2.1		
	.75	.0032	134.5	.0010	-86.7	.0040	-54.8		.75	.0919	185.9	.0565	4.8	.1483	5.5		
	.85	.0030	137.3						.85	.0730	181.1						
	.90	.0023	134.5	.0006	-113.4	.0026	-57.6		.90	.0404	189.5	.0014	-86.7	.0403	7.5		
	.95	.0016	147.1						.95	.0156	186.6	.0061	9.5	.0217	7.4		
	CHORD 3	.05	.0045	293.1	.0023	-172.3	.0056		136.1	CHORD 8	.05	.0307	107.6	.0287	-40.6	.0571	-57.0
		.12	.0042	301.5	.0019	-157.5	.0049		144.4		.12	.0532	104.1	.0291	-32.1	.0769	-60.7
		.20	.0095	305.3	.0016	-143.2	.0096		134.9		.20	.2271	111.4				
.75		.0059	113.3	.0011	-63.2	.0070	-66.2	.75	.0611		187.2	.0338	7.0	.0950	7.1		
.85				.0009	-82.1			.85									
.90		.0039	149.4					.90									
.95				.0005	-64.2			.95									
CHORD 4		.05	.0059	309.5	.0027	-162.8	.0073	149.3	CHORD 9		.05	.0576	117.4	.0280	-53.2	.0854	-59.5
		.12	.0059	313.1	.0025	-142.8	.0067	155.4			.12	.1265	124.7	.0225	-47.4	.1488	-54.1
		.20	.0062	-39.3	.0019	-123.4	.0063	158.2			.20	.1781	133.1	.0186	-40.0	.1966	-46.2
		.35	.0429	-6.3	.0034	-111.8	.0440	178.0			.35	.0156	215.7	.0161	-29.9	.0266	2.3
		.60	.0149	104.5	.0281	13.8	.0319	-14.0			.60	.0148	169.0	.0059	-14.2	.0207	-11.9
	.75	.0064	140.6	.0013	-60.7	.0076	-42.9	.75		.0089	183.0	.0019	14.1	.0108	5.0		
	.85	.0052	142.5	.0011	-59.1	.0063	-41.4	.85		.0049	207.1						
	.95	.0027	159.9	.0002	-29.0	.0029	-20.6	.95									
	CHORD 5	.05	.0078	12.6	.0036	-129.9	.0109	-155.9									
		.12	.0074	8.6	.0031	-101.0	.0090	-152.4									
		.20	.0123	4.8	.0032	-86.9	.0128	-160.7									
		.35	.0714	34.1	.0043	-60.7	.0719	-142.5									
.60		.0261	166.5	.0056	-23.4	.0316	-15.2										
.75		.0126	175.0														
.85																	
.95																	





TABLE 7.- Continued

POINT NUMBER =364

MACH = .784  
Q = 3.947 KPA

RN = 2.221\*10E6  
K = .209

ALPHA = 2.05 DEG  
DELTA9 = -3.05 DEG

OSCILLATING DELTA9 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0105	43.9	.0032	257.9	.0133	-128.4	CHORD 6	.05	.0281	110.5	.0325	-37.4	.0582	-52.2		
	.12	.0078	44.8	.0031	247.6	.0107	-128.8		.12	.0470	106.3	.0343	-28.7	.0753	-54.9		
	.20	.0094	43.3	.0035	235.4	.0129	-133.5		.20	.0553	105.1	.0397	-21.2	.1327	-60.9		
	.30	.0113	39.9	.0016	224.8	.0129	-139.5		.30	.2425	130.1	.0513	-13.4	.2854	-43.8		
	.35	.0129	46.8	.0021	281.4	.0142	-126.2		.35	.1747	150.4	.0596	-10.9	.2320	-24.9		
	.45	.0160	76.9	.0040	290.5	.0195	-96.6		.45	.0995	-167.2	.0823	-6.7	.1792	4.0		
	.50	.0088	98.9	.0025	264.0	.0112	-84.5		.50	.1109	188.2	.1011	-4.3	.2108	2.2		
	.60	.0086	109.0	.0005	256.4	.0091	-72.8		.60	.1461	182.3	.1142	-5.5	.2602	1.0		
	.70	.0054	112.7	.0013	24.9	.0055	-53.9		.70	.1820	183.5	.1189	2.3	.3008	3.0		
	.75	.0042	101.5	.0014	10.1	.0044	-60.6		.75	.2021	184.6	.1089	3.9	.3110	4.4		
	.85			.0018	.4				.85								
	.90	.0027	115.7						.90								
	.95	.0023	109.0	.0021	13.8	.0032	-31.1		.95	.0087	188.1						
	CHORD 2	.05	.0065	30.4	.0023	231.0	.0087		-144.2	CHORD 7	.05	.0498	-232.8	.0464	-31.1	.0945	-42.4
		.12	.0054	34.0	.0016	219.4	.0071		-144.8		.12	.0831	-235.3	.0516	-25.5	.1304	-43.9
.20		.0089	36.9	.0018	269.7	.0101	-135.1	.20	.2634		-226.2	.0521	-18.9	.3106	-41.7		
.35		.0159	60.4	.0044	306.5	.0182	-106.7	.35	.0904		-169.8	.0675	-11.3	.1551	1.1		
.60		.0066	-235.5	.0013	-11.8	.0076	-48.6	.60	.1158		-177.5	.0894	-7.7	.2051	1.1		
.75		.0053	-216.3	.0016	.5	.0067	-28.1	.75	.1337		-176.8	.0832	3.7	.2169	3.4		
.85		.0019	-209.4					.85	.1060		-178.4						
.90		.0013	-208.6	.0011	23.1	.0021	-5.4	.90	.0582		-176.7	.0021	-22.1	.0601	2.4		
.95		.0012	-200.4					.95	.0278		-185.8	.0099	17.3	.0371	.2		
CHORD 3		.05	.0069	32.1	.0037	240.8	.0103	-138.0	CHORD 8		.05	.0519	125.8	.0509	-31.7	.1008	-43.1
	.12	.0059	31.9	.0034	232.2	.0091	-140.7	.12		.1122	125.4	.0500	-25.9	.1579	-45.8		
	.20	.0128	32.4	.0016	189.6	.0143	-150.0	.20		.3107	133.9						
	.75	.0050	106.6	.0012	-14.0	.0057	-63.1	.75		.0891	183.9	.0512	3.9	.1404	3.9		
	.85			.0009	-17.6			.85									
	.90	.0033	132.0					.90									
CHORD 4	.05	.0060	45.8	.0040	233.8	.0100	-131.1	CHORD 9	.05	.0996	136.3	.0491	-37.3	.1486	-41.6		
	.12	.0074	35.4	.0033	240.7	.0104	-136.9		.12	.1929	141.8	.0401	-33.4	.2329	-37.3		
	.20	.0083	32.1	.0029	271.2	.0102	-133.5		.20	.2368	145.8	.0333	-27.5	.2699	-33.4		
	.35	.0609	43.7	.0026	273.9	.0626	-134.5		.35	.0189	-148.0	.0289	-22.0	.0428	-1.1		
	.60	.0139	137.8	.0414	10.1	.0511	-2.3		.60	.0227	177.0	.0095	-11.0	.0321	-5.4		
	.75	.0042	154.9	.0012	-19.2	.0053	-23.8		.75	.0132	181.3	.0029	17.9	.0160	4.2		
	.85	.0033	154.4	.0007	-36.2	.0041	-27.5		.85	.0059	-150.6						
	.95	.0073	195.0	.0003	110.2	.0072	17.4		.95								
	CHORD 5	.05	.0149	-294.3	.0068	281.4	.0208		-103.3								
		.12	.0144	64.0	.0064	294.8	.0191		-100.9								
.20		.0241	57.9	.0069	300.9	.0279	-109.3										
.35		.0981	-278.7	.0081	-42.2	.1027	-95.0										
.60		.0246	-178.6	.0093	-15.5	.0336	-3.2										
.75		.0173	-184.9														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =369

MACH = .785  
Q = 3.928 KPA

RN = 2.202\*10E6  
K = .104

ALPHA = -.00 DEG  
DELTA9 = -.00 DEG

OSCILLATING DELTA9 (PEAK) = 2.04 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0025	-252.8	.0027	-31.8	.0050	-51.5	CHORD 6	.05	.0168	149.6	.0181	-17.2	.0346	-23.5
	.12	.0015	-221.6	.0029	-47.9	.0044	-45.8		.12	.0114	147.2	.0184	-14.8	.0294	-21.7
	.20	.0009	-189.1	.0031	-58.7	.0037	-48.7		.20	.0182	157.5	.0175	-11.4	.0355	-17.1
	.30	.0011	-153.6	.0042	-180.4	.0033	170.7		.30	.0210	164.7	.0243	-6.7	.0452	-10.6
	.35	.0017	-190.0	.0037	-167.0	.0022	-149.2		.35	.0242	167.6	.0277	-6.7	.0518	-9.3
	.45	.0018	-190.9	.0090	-4.1	.0108	-5.3		.45	.0354	171.1	.0354	-7.7	.0706	-4.8
	.50	.0007	-155.1	.0068	-22.8	.0073	-18.9		.50	.0409	170.3	.0412	1.6	.0817	-4.0
	.60	.0019	-49.1	.0017	-76.9	.0009	-166.4		.60	.0562	179.9	.0442	2.9	.1004	1.2
	.70	.0014	-189.1	.0007	-144.1	.0010	-39.8		.70	.0836	181.6	.0390	3.2	.1226	2.1
	.75	.0014	-156.5	.0006	-167.7	.0008	31.5		.75	.0919	184.0	.0289	4.0	.1207	4.0
	.85			.0012	-204.8				.85						
	.90	.0018	-176.6						.90						
	.95	.0007	-183.2	.0009	-215.0	.0005	96.3		.95	.0070	4.6				
CHORD 2	.05	.0019	-244.1	.0020	-8.8	.0033	-31.3	CHORD 7	.05	.0316	-205.4	.0313	-13.7	.0626	-19.6
	.12	.0034	-250.2	.0030	-3.6	.0053	-39.1		.12	.0284	-202.6	.0315	-11.8	.0596	-16.9
	.20	.0048	-235.7	.0048	4.2	.0082	-25.8		.20	.0223	-194.8	.0287	-9.3	.0509	-11.7
	.35	.0054	-247.2	.0056	-88.6	.0107	-78.1		.35	.0366	-186.4	.0311	-7.2	.0677	-6.8
	.60	.0010	-82.2	.0017	57.3	.0026	72.1		.60	.0522	-181.7	.0328	3.4	.0849	.3
	.75	.0017	-195.4	.0007	10.4	.0024	-8.1		.75	.0553	-177.0	.0232	4.5	.0785	3.5
	.85	.0017	-198.6						.85	.0227	-177.4				
	.90	.0015	-209.3	.0009	62.6	.0017	1.8		.90	.0137	-177.3	.0020	-37.3	.0153	-2.2
	.95	.0011	-212.3						.95	.0148	-187.5	.0151	-117.5	.0172	-63.3
CHORD 3	.05	.0015	-196.6	.0025	-58.0	.0037	-42.5	CHORD 8	.05	.0295	159.4	.0299	-15.0	.0594	-17.8
	.12	.0025	-200.1	.0037	-60.0	.0058	-44.1		.12	.0284	159.9	.0261	-11.4	.0544	-15.9
	.20	.0014	-212.1	.0042	-186.2	.0030	-174.6		.20	.0297	162.7				
	.75	.0020	-175.6	.0008	-113.3	.0018	-20.2		.75	.0363	183.6	.0129	5.2	.0492	4.0
	.85			.0004	-40.4				.85						
	.90	.0014	-172.3						.90						
	.95			.0004	-263.4				.95						
CHORD 4	.05	.0012	-253.8	.0018	-61.7	.0029	-66.5	CHORD 9	.05	.0354	162.5	.0335	-16.7	.0689	-17.1
	.12	.0010	91.2	.0018	-114.6	.0028	-105.7		.12	.0305	164.0	.0239	-14.7	.0543	-15.4
	.20	.0037	-236.6	.0029	-32.1	.0065	-45.9		.20	.0257	168.9	.0195	-10.3	.0452	-10.8
	.35	.0023	103.2	.0078	1.8	.0085	-13.8		.35	.0220	175.1	.0129	-8.1	.0349	-6.1
	.60	.0015	-9.9	.0113	2.9	.0098	3.5		.60	.0088	165.0	.0024	-7.7	.0111	-12.0
	.75	.0013	-178.6	.0010	-60.3	.0020	-25.6		.75	.0037	169.7	.0020	-4.7	.0057	-8.4
	.85	.0011	-122.5	.0014	-17.5	.0020	15.0		.85	.0015	154.7				
	.95	.0010	-120.6	.0008	14.2	.0017	40.1		.95						
CHORD 5	.05	.0058	-233.2	.0050	-45.2	.0108	-49.5								
	.12	.0048	-234.0	.0057	-39.0	.0104	-45.8								
	.20	.0081	-228.2	.0076	-31.5	.0156	-40.1								
	.35	.0062	-193.0	.0067	-28.7	.0128	-21.2								
	.60	.0079	-194.9	.0048	1.7	.0126	-8.6								
	.75	.0076	-182.8												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =371

MACH = .782  
Q = 3.919 KPARN = 2.211\*10E6  
K = .313ALPHA = -.00 DEG  
DELTA9 = -.04 DEGOSCILLATING DELTA9 (PEAK) = 2.00 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0019	-20.7	.0013	192.3	.0031	172.6	CHORD 6	.05	.0176	88.7	.0145	-62.1	.0311	-78.1	
	.12	.0030	-34.6	.0019	187.6	.0046	161.5		.12	.0137	-263.8	.0156	-44.0	.0275	-62.5	
	.20	.0046	-36.9	.0027	213.5	.0061	167.9		.20	.0163	-252.1	.0150	-29.8	.0292	-51.8	
	.30	.0030	-299.6	.0021	215.2	.0050	-129.9		.30	.0218	-232.4	.0202	-19.1	.0402	-36.4	
	.35	.0054	-2.9	.0020	-131.0	.0068	-169.7		.35	.0239	-221.8	.0243	-15.1	.0469	-28.3	
	.45	.0047	-308.3	.0024	-89.2	.0067	-115.2		.45	.0337	-210.3	.0326	-6.3	.0648	-18.5	
	.50	.0023	-316.6	.0027	-100.2	.0048	-117.3		.50	.0412	-201.9	.0382	-2.4	.0783	-12.6	
	.60	.0033	-264.3	.0018	-85.8	.0051	-84.8		.60	.0577	-187.9	.0415	-356.7	.0987	-3.2	
	.70	.0023	-255.7	.0011	-90.0	.0034	-80.4		.70	.0788	-176.9	.0366	-354.1	.1154	4.0	
	.75	.0022	-300.1	.0009	-121.2	.0030	-120.4		.75	.0895	-173.6	.0268	-352.0	.1164	6.8	
	.85			.0006	-91.1				.85							
	.90	.0013	-233.2						.90							
	.95	.0013	-236.1	.0009	-86.7	.0021	-68.5		.95	.0102	1.0					
CHORD 2	.05	.0038	-24.3	.0012	-245.8	.0048	146.1	CHORD 7	.05	.0275	112.3	.0236	-52.4	.0506	-60.7	
	.12	.0036	-20.3	.0009	-214.9	.0045	156.8		.12	.0249	118.7	.0237	-40.8	.0478	-51.3	
	.20	.0054	-18.8	.0008	-180.0	.0062	163.7		.20	.0209	131.6	.0233	-28.7	.0435	-38.0	
	.35	.0059	33.5	.0032	-129.4	.0090	-140.4		.35	.0313	-209.5	.0254	-14.0	.0562	-22.5	
	.60	.0028	80.3	.0007	-92.3	.0035	-98.2		.60	.0460	-184.1	.0297	3.5	.0756	-1.1	
	.75	.0025	105.4	.0006	-130.9	.0029	-84.6		.75	.0548	-172.7	.0215	8.4	.0763	7.6	
	.85	.0014	113.0						.85	.0147	-191.1					
	.90	.0011	108.1	.0009	-125.8	.0018	-94.5		.90	.0127	-170.1	.0013	-67.7	.0131	4.5	
	.95	.0010	109.2						.95	.0108	-200.8	.0044	-218.5	.0068	-9.2	
	CHORD 3	.05	.0038	-57.8	.0018	193.1	.0047		142.9	CHORD 8	.05	.0264	-246.4	.0240	-47.6	.0497
.12		.0031	-41.3	.0026	213.9	.0045	171.9	.12	.0255		-241.0	.0211	-35.9	.0455	-49.7	
.20		.0040	-15.9	.0021	210.1	.0057	179.5	.20	.0263		-234.0					
.75		.0016	-230.8	.0009	-85.4	.0024	-63.0	.75	.0349		-174.3	.0124	-349.3	.0473	7.0	
.85				.0012	-90.4			.85								
.90		.0019	-227.0					.90								
CHORD 4	.05	.0044	-34.5	.0026	187.5	.0065	161.0	CHORD 9	.05	.0310	-239.8	.0271	-53.8	.0580	-57.0	
	.12	.0031	-18.7	.0020	209.1	.0047	179.7		.12	.0264	-234.4	.0191	-48.4	.0454	-51.9	
	.20	.0063	5.7	.0040	-126.1	.0095	-155.8		.20	.0210	-225.1	.0151	-44.8	.0361	-45.0	
	.35	.0061	27.4	.0027	-102.4	.0081	-137.7		.35	.0172	-217.4	.0110	-39.3	.0282	-38.2	
	.60	.0039	-253.5	.0111	23.8	.0113	3.9		.60	.0101	-193.1	.0024	-4.5	.0124	-11.5	
	.75	.0032	-215.0	.0013	-72.5	.0043	-45.5		.75	.0056	-208.9	.0018	-29.5	.0074	-29.1	
	.85	.0023	-249.4	.0004	-52.3	.0027	-67.1		.85	.0026	-233.0					
	.95	.0012	-211.1	.0002	-42.4	.0014	-33.0		.95							
	CHORD 5	.05	.0070	28.6	.0039	-147.5	.0108		-150.0							
		.12	.0060	34.7	.0033	-121.9	.0091		-137.0							
.20		.0088	50.6	.0038	-107.5	.0124	-122.9									
.35		.0070	74.6	.0045	-80.3	.0113	-95.6									
.60		.0110	125.5	.0042	-29.4	.0149	-47.6									
.75		.0083	-202.8													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =373

MACH = .780  
Q = 3.911 KPARN = 2.206\*10E6  
K = .209ALPHA = -.00 DEG  
DELTA9 = -.08 DEGOSCILLATING DELTA9 (PEAK) = 3.99 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0025	47.9	.0045	255.2	.0068	-114.4	CHORD 6	.05	.0334	117.5	.0361	-43.3	.0685	-52.5	
	.12	.0039	25.1	.0040	257.6	.0072	-128.3		.12	.0269	122.9	.0370	-31.5	.0624	-42.2	
	.20	.0071	25.3	.0049	264.7	.0105	-131.1		.20	.0324	131.3	.0350	-24.1	.0658	-35.9	
	.30	.0033	77.5	.0021	281.5	.0053	-93.2		.30	.0412	145.1	.0455	-14.4	.0853	-24.2	
	.35	.0069	55.1	.0035	260.9	.0101	-116.3		.35	.0457	150.6	.0524	-11.6	.0969	-19.9	
	.45	.0050	70.8	.0043	-28.9	.0071	-72.7		.45	.0657	161.2	.0658	-5.7	.1306	-12.3	
	.50	.0059	86.8	.0034	283.6	.0092	-87.1		.50	.0778	166.4	.0775	-2.6	.1546	-8.1	
	.60	.0037	67.8	.0009	-57.0	.0043	-102.2		.60	.1081	173.5	.0848	1.8	.1924	-2.9	
	.70	.0031	86.7	.0015	-20.1	.0038	-71.6		.70	.1536	181.1	.0765	3.6	.2301	1.9	
	.75	.0025	97.6	.0015	-32.4	.0037	-63.9		.75	.1715	184.1	.0567	5.3	.2282	4.4	
	.85			.0011	-37.1				.85							
	.90	.0022	68.6						.90							
	.95	.0016	66.5	.0010	-23.3	.0019	-82.5		.95	.0115	5.4					
	CHORD 2	.05	.0069	36.8	.0045	-80.9	.0098		-119.1	CHORD 7	.05	.0595	134.1	.0583	-34.3	.1172
.12		.0038	35.5	.0041	-71.5	.0064	-106.6	.12	.0518		139.6	.0571	-26.9	.1081	-33.3	
.20		.0033	64.3	.0042	-74.2	.0071	-92.3	.20	.0442		147.9	.0534	-19.6	.0971	-25.3	
.35		.0057	97.4	.0055	-55.4	.0109	-69.1	.35	.0612		-200.1	.0565	-9.0	.1172	-14.8	
.60		.0044	69.4	.0017	-37.2	.0051	-92.3	.60	.0923		-184.3	.0620	2.5	.1540	-1.6	
.75		.0029	116.6	.0015	-37.6	.0043	-54.7	.75	.1046		-176.4	.0460	5.7	.1506	4.2	
.85		.0017	99.6					.85	.0396		-180.7					
.90		.0011	93.5	.0011	-19.2	.0018	-53.3	.90	.0186		-166.8	.0031	-39.5	.0207	6.2	
.95		.0007	88.9					.95	.0274		-118.3	.0081	139.7	.0302	76.9	
CHORD 3		.05	.0053	29.1	.0045	240.0	.0095	-136.8	CHORD 8		.05	.0590	134.6	.0572	-34.7	.1156
	.12	.0055	35.4	.0061	241.8	.0112	-130.6	.12		.0528	138.8	.0481	-27.5	.1002	-34.7	
	.20	.0048	44.7	.0047	276.1	.0086	-109.8	.20		.0524	146.4					
	.75	.0031	101.2	.0017	-32.5	.0044	-62.9	.75		.0697	185.8	.0253	7.8	.0951	6.3	
	.85			.0007	-65.0			.85								
	.90	.0023	81.7					.90								
CHORD 4	.05	.0068	49.0	.0058	243.7	.0125	-124.2	CHORD 9	.05	.0639	142.4	.0602	-35.5	.1241	-36.6	
	.12	.0049	44.2	.0052	264.8	.0095	-114.8		.12	.0540	146.4	.0422	-32.9	.0962	-33.3	
	.20	.0091	45.5	.0067	284.5	.0138	-109.9		.20	.0433	148.9	.0329	-29.7	.0762	-30.5	
	.35	.0090	62.3	.0042	283.5	.0125	-104.8		.35	.0344	150.1	.0234	-26.3	.0577	-28.4	
	.60	.0070	94.2	.0236	11.6	.0237	-5.4		.60	.0193	165.5	.0054	3.0	.0245	-10.7	
	.75	.0045	91.9	.0020	-45.1	.0061	-75.0		.75	.0111	159.3	.0044	-3.6	.0154	-15.8	
	.85	.0017	104.0	.0008	-42.6	.0024	-65.4		.85	.0039	146.0					
	.95	.0036	101.8	.0007	.8	.0038	-68.0		.95							
	CHORD 5	.05	.0123	75.6	.0115	-80.4	.0233		-92.8							
		.12	.0098	79.1	.0103	-69.7	.0193		-85.0							
.20		.0131	88.8	.0096	-51.0	.0213	-74.4									
.35		.0126	108.2	.0107	-38.7	.0224	-56.7									
.60		.0157	142.7	.0090	-8.9	.0241	-27.0									
.75		.0142	-193.2													
.85																
.95																





TABLE 7.- Continued

POINT NUMBER =375

MACH = .780  
Q = 3.908 KPA

RN = 2.204\*10E6  
K = .105

ALPHA = -.00 DEG  
DELTA9 = .03 DEG

OSCILLATING DELTA9 (PEAK) = 6.07 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0036	99.9	.0015	-19.3	.0045	-62.9	CHORD 6	.05	.0525	-208.7	.0580	-21.5	.1103	-24.9	
	.12	.0046	118.2	.0024	-34.9	.0068	-52.8		.12	.0413	-205.6	.0572	-14.0	.0980	-18.8	
	.20	.0076	122.0	.0034	-54.6	.0109	-57.0		.20	.0530	-202.5	.0552	-14.4	.1079	-18.4	
	.30	.0022	154.2	.0041	-24.8	.0063	-25.2		.30	.0673	-196.1	.0717	-8.6	.1387	-12.2	
	.35	.0052	120.0	.0036	-35.5	.0086	-49.9		.35	.0710	-193.4	.0825	-6.6	.1533	-9.7	
	.45	.0060	148.4	.0042	-83.3	.0092	-52.5		.45	.0983	-189.4	.1031	-3.3	.2010	-6.3	
	.50	.0070	135.7	.0039	-47.1	.0110	-45.3		.50	.1141	-187.0	.1200	-1.4	.2338	-4.1	
	.60	.0038	178.2	.0021	-25.5	.0057	-10.2		.60	.1547	-182.5	.1282	1.1	.2828	-.9	
	.70	.0025	115.7	.0022	-32.0	.0046	-49.1		.70	.2235	-179.9	.1144	1.8	.3379	.7	
	.75	.0020	109.8	.0018	-24.2	.0035	-48.5		.75	.2478	-177.9	.0864	2.6	.3342	2.3	
	.85			.0016	-25.5				.85							
	.90	.0012	144.1						.90							
	.95	.0003	171.6	.0013	-10.6	.0016	-10.1		.95	.0132	-191.1					
CHORD 2	.05	.0034	99.5	.0041	-55.6	.0073	-66.8	CHORD 7	.05	.0904	157.1	.0950	-18.1	.1852	-20.5	
	.12	.0025	122.7	.0056	-56.1	.0081	-56.5		.12	.0786	159.8	.0940	-15.0	.1724	-17.3	
	.20	.0052	123.8	.0073	-52.9	.0125	-54.3		.20	.0657	164.4	.0800	-10.5	.1455	-12.8	
	.35	.0036	140.3	.0020	-124.6	.0042	-67.8		.35	.0919	172.1	.0864	-5.1	.1783	-6.5	
	.60	.0031	129.2	.0030	-4.5	.0056	-27.8		.60	.1334	178.0	.0925	1.2	.2258	-.7	
	.75	.0034	148.4	.0017	-6.0	.0050	-23.0		.75	.1550	181.8	.0774	2.3	.2324	2.0	
	.85	.0022	187.6						.85	.0734	181.1					
	.90	.0019	199.8	.0009	-16.1	.0027	8.2		.90	.0256	190.6	.0027	-14.3	.0281	8.3	
	.95	.0015	206.7						.95	.0143	179.0	.0090	-197.4	.0062	23.2	
CHORD 3	.05	.0048	101.7	.0037	-46.7	.0081	-64.7	CHORD 8	.05	.0924	-201.4	.0912	-17.5	.1834	-19.5	
	.12	.0043	112.7	.0051	-45.6	.0092	-55.5		.12	.0831	-199.2	.0769	-13.7	.1598	-16.6	
	.20	.0051	124.1	.0058	-38.2	.0107	-46.5		.20	.0835	-196.0					
	.75	.0032	138.8	.0019	-17.3	.0050	-32.4		.75	.0973	-176.6	.0385	3.3	.1357	3.4	
	.85			.0015	-15.3				.85							
	.90	.0015	150.7						.90							
	.95			.0009	-15.6				.95							
CHORD 4	.05	.0060	109.3	.0061	-58.9	.0120	-64.8	CHORD 9	.05	.1043	-198.1	.0954	-19.5	.1997	-18.8	
	.12	.0039	109.2	.0060	-52.0	.0098	-59.4		.12	.0863	-196.2	.0690	-19.1	.1552	-17.5	
	.20	.0072	114.9	.0056	-56.3	.0127	-61.2		.20	.0675	-194.2	.0556	-16.7	.1230	-15.3	
	.35	.0068	131.1	.0041	-73.1	.0106	-58.0		.35	.0538	-193.2	.0382	-15.5	.0920	-14.1	
	.60	.0114	148.4	.0378	4.6	.0475	-3.5		.60	.0288	-190.8	.0085	-6.5	.0373	-9.8	
	.75	.0048	158.1	.0025	-12.2	.0072	-18.6		.75	.0172	-192.6	.0072	-12.2	.0244	-12.5	
	.85	.0022	141.8	.0015	-27.1	.0037	-33.7		.85	.0136	-185.3					
	.95	.0003	138.6	.0090	-122.5	.0090	-120.7		.95							
CHORD 5	.05	.0134	123.0	.0153	-44.4	.0285	-50.3									
	.12	.0111	127.5	.0145	-40.1	.0254	-45.5									
	.20	.0158	130.6	.0151	-31.6	.0305	-40.7									
	.35	.0127	152.1	.0139	-24.7	.0266	-26.2									
	.60	.0238	169.1	.0126	-8.2	.0364	-10.0									
	.75	.0217	176.9													
	.85															
	.95															



TABLE 7.- Continued

POINT NUMBER =378

MACH = .781  
Q = 3.933 KPA

RN = 2.204\*10E6  
K = .313

ALPHA = -.00 DEG  
DELTA9 = -.01 DEG

OSCILLATING DELTA9 (PEAK) = 6.02 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0075	=44.8	.0031	=193.3	.0103	144.4	CHORD 6	.05	.0473	88.4	.0429	=60.1	.0868	=76.7	
	.12	.0075	=39.2	.0018	=171.8	.0089	149.5		.12	.0392	96.2	.0451	=43.5	.0792	=62.2	
	.20	.0103	=26.0	.0020	=128.6	.0109	164.3		.20	.0474	112.7	.0451	=31.4	.0881	=49.8	
	.30	.0057	37.1	.0039	=101.7	.0091	=126.3		.30	.0644	128.8	.0634	=20.5	.1232	=36.0	
	.35	.0104	3.4	.0016	=104.2	.0110	=168.5		.35	.0704	138.4	.0750	=16.0	.1417	=28.4	
	.45	.0109	40.4	.0040	=61.5	.0124	=121.2		.45	.0998	153.5	.0962	=7.1	.1932	=17.0	
	.50	.0110	49.9	.0035	=66.9	.0129	=116.2		.50	.1182	159.1	.1146	=3.2	.2300	=12.2	
	.60	.0067	62.9	.0023	=52.0	.0080	=102.2		.60	.1568	171.4	.1263	2.3	.2818	=3.7	
	.70	.0056	75.2	.0010	=34.3	.0060	=96.0		.70	.2222	180.3	.1125	4.8	.3344	1.8	
	.75	.0047	75.8	.0008	=51.0	.0052	=97.5		.75	.2463	184.0	.0845	7.7	.3307	4.9	
	.85			.0003	=2.6				.85							
	.90	.0015	66.4						.90							
	.95	.0013	72.2	.0008	=322.2	.0008	=72.5		.95	.0079	210.2					
CHORD 2	.05	.0103	=45.6	.0031	=196.1	.0131	141.2	CHORD 7	.05	.0795	=248.6	.0709	=51.5	.1487	=60.5	
	.12	.0096	=32.6	.0021	=178.0	.0114	153.4		.12	.0712	=240.4	.0723	=40.0	.1412	=50.1	
	.20	.0171	=23.5	.0030	=154.2	.0192	163.2		.20	.0632	=226.7	.0653	=27.9	.1268	=37.1	
	.35	.0165	=331.6	.0042	=108.9	.0198	=143.4		.35	.0907	=211.8	.0779	=13.5	.1664	=23.3	
	.60	.0111	=272.9	.0025	=61.1	.0132	=87.3		.60	.1357	=184.1	.0890	2.9	.2242	=1.3	
	.75	.0052	=255.2	.0018	=64.5	.0070	=72.4		.75	.1551	=174.9	.0661	8.1	.2211	6.0	
	.85	.0041	=242.5						.85	.0735	=172.5					
	.90	.0036	=239.1	.0007	=59.4	.0043	=59.1		.90	.0293	=150.6	.0028	=66.6	.0291	23.9	
	.95	.0026	=235.2						.95	.0122	=173.4	.0124	130.5	.0116	69.5	
	CHORD 3	.05	.0096	=42.6	.0024	=195.2	.0118		142.8	CHORD 8	.05	.0808	114.7	.0738	=46.2	.1524
.12		.0095	=32.4	.0031	=164.4	.0118	158.8	.12	.0728		121.9	.0639	=35.8	.1341	=47.7	
.20		.0093	=15.7	.0018	=157.7	.0107	170.1	.20	.0755		132.0					
.75		.0046	91.8	.0016	=45.5	.0059	=77.6	.75	.0999		186.1	.0383	11.5	.1381	7.6	
.85				.0012	=35.8			.85								
.90		.0024	87.7					.90								
CHORD 4	.05	.0120	=27.7	.0043	=183.9	.0160	158.5	CHORD 9	.05	.0868	122.9	.0753	=53.0	.1620	=55.2	
	.12	.0083	=20.4	.0032	=155.7	.0109	171.6		.12	.0743	130.5	.0530	=47.4	.1273	=48.7	
	.20	.0145	=2.5	.0035	=134.5	.0171	=173.6		.20	.0576	137.6	.0436	=40.0	.1012	=41.4	
	.35	.0156	19.7	.0039	=98.8	.0178	=149.2		.35	.0475	143.7	.0307	=35.5	.0782	=36.0	
	.60	.0099	81.6	.0370	20.4	.0333	5.3		.60	.0270	163.4	.0075	=2.4	.0344	=13.5	
	.75	.0060	93.9	.0021	=45.6	.0077	=75.9		.75	.0155	171.3	.0056	=13.1	.0211	=9.9	
	.85	.0032	123.9	.0013	=29.7	.0044	=48.5		.85	.0061	182.2					
	.95	.0010	90.1	.0087	=186.1	.0087	=179.8		.95							
	CHORD 5	.05	.0196	21.9	.0115	=145.1	.0309		=153.3							
		.12	.0165	=329.3	.0082	=121.3	.0241		=140.0							
.20		.0261	=316.7	.0096	=91.5	.0336	=125.0									
.35		.0257	=279.4	.0103	=57.3	.0340	=87.7									
.60		.0303	=227.5	.0117	=18.3	.0409	=39.5									
.75		.0270	=199.5													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =382

MACH = .779  
Q = 3.927 KPA

RN = 2.203\*10E6  
K = .209

ALPHA = -.00 DEG  
DELTA9 = 3.04 DEG

OSCILLATING DELTA9 (PEAK) = 2.00 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0016	-4.8	.0014	-48.7	.0011	-126.2	CHORD 6	.05	.0152	-248.7	.0166	-40.1	.0308	-53.8	
	.12	.0011	23.1	.0014	-48.2	.0015	-94.2		.12	.0111	-247.8	.0171	-26.6	.0264	-42.6	
	.20	.0025	41.4	.0023	-83.4	.0042	-112.5		.20	.0160	-239.5	.0160	-17.4	.0299	-38.4	
	.30	.0010	41.7	.0010	-130.6	.0020	-134.5		.30	.0192	-225.0	.0209	-12.4	.0385	-28.0	
	.35	.0020	89.8	.0020	21.1	.0023	-32.9		.35	.0193	-220.1	.0240	-8.5	.0417	-22.6	
	.45	.0015	6.2	.0028	-117.7	.0038	-137.0		.45	.0256	-205.7	.0293	-1.5	.0538	-12.8	
	.50	.0008	38.8	.0001	-237.2	.0008	-146.2		.50	.0320	-201.2	.0344	1.5	.0650	-9.4	
	.60	.0010	84.3	.0007	-7.7	.0012	-60.4		.60	.0431	-189.5	.0381	4.9	.0805	-2.8	
	.70	.0017	58.2	.0007	-43.6	.0020	-100.5		.70	.0773	-182.0	.0309	5.5	.1080	.1	
	.75	.0014	32.8	.0007	-33.0	.0013	-117.6		.75	.0801	-177.9	.0204	8.3	.1003	3.4	
	.85			.0002	-312.7				.85							
	.90	.0010	5.9						.90							
	.95	.0009	10.4	.0008	-181.1	.0017	-174.8		.95	.0178	-178.8					
CHORD 2	.05	.0008	67.4	.0014	-66.9	.0021	-82.9	CHORD 7	.05	.0234	127.8	.0253	-25.0	.0473	-38.0	
	.12	.0016	50.2	.0010	1.6	.0012	-92.7		.12	.0182	131.7	.0235	-19.4	.0405	-32.0	
	.20	.0019	31.2	.0030	-22.3	.0024	-61.7		.20	.0149	145.4	.0222	-13.8	.0365	-22.1	
	.35	.0015	18.5	.0016	-20.3	.0010	-87.6		.35	.0225	152.6	.0238	-5.6	.0455	-16.2	
	.60	.0007	148.8	.0010	36.9	.0015	9.1		.60	.0389	176.2	.0265	6.9	.0651	.5	
	.75	.0004	70.9	.0007	-53.0	.0010	-71.7		.75	.0476	187.4	.0183	9.5	.0659	8.0	
	.85	.0002	81.0						.85	.0060	304.8					
	.90	.0004	-16.7	.0002	-51.7	.0003	-166.0		.90	.0220	-14.7	.0012	-16.9	.0207	165.5	
	.95	.0009	-32.7						.95	.0104	-18.1	.0116	165.5	.0220	163.8	
	CHORD 3	.05	.0005	50.9	.0021	-99.3	.0026		-104.7	CHORD 8	.05	.0246	-226.7	.0257	-30.7	.0498
.12		.0009	-20.3	.0028	-83.4	.0026	-101.6	.12	.0236		-227.2	.0221	-22.8	.0447	-35.4	
.20		.0005	-4.3	.0031	-115.8	.0033	-124.6	.20	.0229		-219.6					
.75		.0004	18.1	.0007	-86.7	.0009	-113.1	.75	.0272		-173.1	.0085	7.8	.0357	7.1	
.85				.0003	-89.7			.85								
.90		.0005	20.2					.90								
CHORD 4	.05	.0009	45.5	.0022	-103.7	.0030	-112.3	CHORD 9	.05	.0303	-218.9	.0218	-37.4	.0521	-38.2	
	.12	.0007	24.2	.0023	-108.4	.0028	-119.5		.12	.0245	-216.7	.0177	-34.9	.0421	-36.0	
	.20	.0016	81.3	.0011	-149.7	.0024	-118.6		.20	.0207	-213.5	.0135	-29.3	.0342	-31.8	
	.35	.0021	51.4	.0009	-64.8	.0026	-111.1		.35	.0160	-215.3	.0092	-29.3	.0252	-33.1	
	.60	.0025	73.4	.0066	-333.3	.0052	5.8		.60	.0069	-218.2	.0020	3.5	.0086	-29.1	
	.75	.0017	132.9	.0003	9.2	.0019	-38.5		.75	.0041	-212.6	.0010	1.5	.0050	-26.3	
	.85	.0009	69.3	.0004	20.3	.0007	-84.8		.85	.0021	-207.8					
	.95	.0080	-110.2	.0003	-300.7	.0083	69.4		.95							
	CHORD 5	.05	.0043	67.0	.0051	-81.9	.0091		-96.2							
		.12	.0031	66.9	.0028	-67.8	.0054		-91.5							
.20		.0060	84.3	.0042	-35.1	.0089	-71.2									
.35		.0023	80.6	.0061	-15.5	.0068	-35.3									
.60		.0059	140.6	.0038	-11.5	.0094	-28.5									
.75		.0066	172.7													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =384

MACH = .784  
Q = 3.968 KPA

RN = 2.215\*10E6  
K = .104

ALPHA = -.00 DEG  
DELTA9 = 3.01 DEG

OSCILLATING DELTA9 (PEAK) = 4.04 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0043	91.9	.0018	=6.1	.0048	=67.0	CHORD 6	.05	.0281	=210.5	.0358	=19.6	.0636	=24.4		
	.12	.0029	102.0	.0014	=24.9	.0039	=61.0		.12	.0179	=209.5	.0374	=13.0	.0548	=18.3		
	.20	.0027	108.5	.0020	=38.0	.0045	=57.3		.20	.0322	=205.5	.0345	=12.6	.0663	=18.8		
	.30	.0003	=59.6	.0009	=14.3	.0007	5.8		.30	.0343	=198.4	.0437	=7.2	.0776	=12.1		
	.35	.0030	82.3	.0009	291.3	.0038	=91.3		.35	.0359	=195.8	.0505	=5.0	.0860	=9.5		
	.45	.0003	77.7	.0025	20.4	.0024	13.8		.45	.0526	=192.4	.0611	=2.4	.1133	=7.0		
	.50	.0005	132.3	.0031	19.1	.0033	11.2		.50	.0614	=188.7	.0705	=4.5	.1316	=4.3		
	.60	.0006	223.7	.0019	4.4	.0023	13.3		.60	.0867	=183.6	.0762	1.9	.1628	=1.0		
	.70	.0033	163.5	.0013	=4.9	.0046	=13.2		.70	.1266	=178.5	.0622	2.5	.1888	1.9		
	.75	.0030	147.1	.0012	=26.7	.0042	=31.2		.75	.1336	=177.6	.0432	3.1	.1768	2.6		
	.85			.0013	=11.5				.85								
	.90	.0013	97.3						.90								
	.95	.0007	98.5	.0013	=3.0	.0016	=28.7		.95	.0526	=180.0						
	CHORD 2	.05	.0026	99.4	.0018	=76.6	.0044		=79.0	CHORD 7	.05	.0517	159.3	.0518	=17.0	.1035	=18.8
		.12	.0024	124.4	.0019	=51.6	.0044		=53.8		.12	.0427	160.9	.0533	=12.4	.0958	=15.4
.20		.0043	119.6	.0038	=14.6	.0075	=39.0	.20	.0347		164.3	.0472	=8.1	.0817	=11.3		
.35		.0027	169.7	.0033	=92.2	.0046	=56.0	.35	.0484		169.6	.0490	=3.5	.0972	=7.0		
.60		.0012	224.7	.0017	31.3	.0029	36.7	.60	.0766		182.2	.0537	1.7	.1303	2.0		
.75		.0018	228.5	.0011	2.7	.0027	31.4	.75	.0846		184.3	.0367	2.3	.1212	3.7		
.85		.0014	205.2					.85	.0097		313.6						
.90		.0012	191.3	.0004	44.2	.0016	19.6	.90	.0160		=12.3	.0033	=15.1	.0127	168.5		
.95		.0011	201.4					.95	.0005		316.5	.0247	=185.3	.0251	174.0		
CHORD 3		.05	.0030	112.9	.0025	=47.2	.0054	=58.0	CHORD 8		.05	.0484	=200.3	.0542	=14.8	.1025	=17.4
	.12	.0019	126.2	.0026	=29.4	.0044	=39.5	.12		.0463	=200.3	.0465	=12.7	.0926	=16.5		
	.20	.0016	117.4	.0042	=37.7	.0057	=44.4	.20		.0461	=197.2						
	.75	.0030	136.7	.0016	2.6	.0042	=27.8	.75		.0503	=172.7	.0164	3.2	.0666	6.3		
	.85			.0006	42.9			.85									
	.90	.0009	88.6					.90									
	.95			.0005	57.7			.95									
CHORD 4	.05	.0019	121.1	.0044	307.2	.0063	=54.6	CHORD 9	.05	.0599	=198.1	.0509	=19.2	.1107	=18.6		
	.12	.0014	118.6	.0039	299.2	.0054	=61.0		.12	.0491	=197.0	.0402	=18.2	.0893	=17.5		
	.20	.0042	122.4	.0037	300.0	.0079	=58.8		.20	.0385	=195.2	.0314	=15.4	.0699	=15.3		
	.35	.0051	130.3	.0029	281.0	.0077	=60.2		.35	.0324	=196.2	.0223	=15.1	.0547	=15.7		
	.60	.0012	196.7	.0143	12.0	.0155	12.4		.60	.0149	=186.4	.0046	=11.7	.0195	=7.6		
	.75	.0036	145.2	.0020	2.1	.0053	=22.0		.75	.0083	=183.9	.0033	=13.8	.0115	=6.7		
	.85	.0014	174.4	.0016	12.9	.0029	4.4		.85	.0029	=185.2						
	.95	.0040	245.6	.0007	57.5	.0047	64.4		.95								
CHORD 5	.05	.0077	139.5	.0081	=43.3	.0159	=42.0										
	.12	.0062	137.1	.0074	=38.8	.0137	=40.7										
	.20	.0097	140.9	.0077	=41.2	.0174	=40.0										
	.35	.0099	147.3	.0111	=25.2	.0210	=28.7										
	.60	.0097	154.3	.0085	=10.4	.0180	=18.6										
	.75	.0125	179.3														
	.95																





TABLE 7.- Continued

POINT NUMBER =386

MACH = .787  
Q = 3.991 KPARN = 2.219\*10E6  
K = .310ALPHA = -.00 DEG  
DELTA9 = 3.04 DEGOSCILLATING DELTA9 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	MAG	PHASE	UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE				MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0004	301.1	.0020	133.1	.0024	131.0	CHORD 6	.05	.0258	81.9	.0244	-55.3	.0467	-77.3	
	.12	.0024	301.9	.0015	162.2	.0036	137.0		.12	.0196	86.0	.0265	-39.0	.0410	-62.1	
	.20	.0042	312.8	.0009	155.6	.0051	136.8		.20	.0321	-263.7	.0270	-25.9	.0518	-57.6	
	.30	.0017	50.2	.0011	-130.7	.0028	-130.1		.30	.0362	-244.4	.0374	-15.5	.0670	-39.5	
	.35	.0046	.9	.0013	206.9	.0058	-173.5		.35	.0362	-233.6	.0429	-11.1	.0738	-30.5	
	.45	.0052	50.4	.0016	-67.4	.0061	-116.3		.45	.0531	-217.0	.0547	-4.7	.1035	-20.6	
	.50	.0054	52.7	.0005	196.3	.0058	-130.5		.50	.0645	-209.2	.0654	-1.1	.1261	-15.0	
	.60	.0041	68.1	.0007	221.8	.0047	-115.5		.60	.0898	-194.1	.0739	4.2	.1616	-5.9	
	.70	.0028	104.3	.0007	-111.1	.0034	-82.5		.70	.1338	-182.1	.0601	7.1	.1934	.8	
	.75	.0026	92.8	.0005	-94.9	.0031	-88.4		.75	.1365	-176.5	.0408	11.4	.1770	5.3	
	.85			.0003	-29.0				.85							
	.90	.0018	103.4						.90							
	.95	.0010	91.3	.0005	69.7	.0006	-70.2		.95	.0482	-176.2					
	CHORD 2	.05	.0064	-60.5	.0017	150.1	.0079		125.9	CHORD 7	.05	.0457	109.1	.0397	-45.7	.0833
.12		.0064	-49.5	.0015	189.1	.0072	140.4	.12	.0389		115.2	.0410	-35.3	.0773	-49.6	
.20		.0092	-44.2	.0012	208.8	.0097	142.5	.20	.0328		127.8	.0376	-25.3	.0684	-37.8	
.35		.0107	16.6	.0021	259.9	.0118	-154.3	.35	.0504		-215.3	.0414	-9.2	.0894	-23.5	
.60		.0052	54.7	.0012	-47.0	.0055	-113.5	.60	.0766		-185.6	.0517	4.0	.1278	-1.8	
.75		.0031	84.7	.0011	-60.2	.0040	-86.4	.75	.0884		-172.8	.0352	9.1	.1235	7.8	
.85		.0022	93.7					.85	.0170		-82.1					
.90		.0020	93.8	.0003	264.9	.0022	-87.2	.90	.0178		-40.0	.0021	-59.2	.0158	142.5	
.95		.0014	74.4					.95	.0010		-20.1	.0239	162.2	.0250	162.1	
CHORD 3		.05	.0023	297.9	.0027	139.9	.0049	129.8	CHORD 8		.05	.0427	-250.7	.0391	-46.2	.0799
	.12	.0031	309.1	.0030	162.3	.0058	145.5	.12		.0423	-246.5	.0333	-33.9	.0726	-52.2	
	.20	.0034	320.8	.0017	174.0	.0049	151.9	.20		.0441	-236.9					
	.75	.0026	96.0	.0006	-56.6	.0032	-78.6	.75		.0525	-170.6	.0152	18.5	.0675	11.4	
	.85			.0013	-104.0			.85								
	.90	.0022	121.8					.90								
	.95			.0002	167.8			.95								
CHORD 4	.05	.0055	313.8	.0032	173.9	.0083	148.3	CHORD 9	.05	.0495	-239.8	.0378	-53.4	.0872	-57.0	
	.12	.0036	323.5	.0031	190.2	.0061	165.0		.12	.0423	-233.1	.0292	-48.7	.0715	-51.3	
	.20	.0072	342.6	.0015	184.4	.0085	166.2		.20	.0348	-226.6	.0221	-40.2	.0568	-44.1	
	.35	.0073	14.3	.0016	-119.6	.0085	-157.8		.35	.0286	-232.5	.0144	-52.3	.0430	-52.4	
	.60	.0054	98.6	.0147	39.6	.0128	18.3		.60	.0161	-201.5	.0036	-14.3	.0196	-20.2	
	.75	.0048	118.8	.0007	-57.1	.0055	-60.6		.75	.0098	-197.5	.0020	-19.0	.0118	-17.8	
	.85	.0023	129.2	.0003	-84.8	.0026	-55.0		.85	.0048	-191.0					
	.95	.0048	2.7	.0026	38.3	.0031	153.5		.95							
	CHORD 5	.05	.0096	12.8	.0067	219.0	.0158		-156.5							
		.12	.0085	22.5	.0046	247.7	.0121		-142.1							
.20		.0137	33.9	.0056	272.4	.0173	-130.2									
.35		.0118	62.7	.0061	-55.4	.0156	-97.2									
.60		.0181	-228.6	.0072	-15.4	.0245	-39.3									
.75		.0149	-211.6													
.95																



TABLE 7.- Continued

POINT NUMBER =388

MACH = .779  
Q = 3.940 KPA

RN = 2.206\*10E6  
K = .208

ALPHA = -.00 DEG  
DELTA9 = 3.07 DEG

OSCILLATING DELTA9 (PEAK) = 6.02 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0043	38.3	.0049	-92.5	.0084	-115.5	CHORD 6	.05	.0420	-245.1	.0431	-36.4	.0825	-50.5	
	.12	.0039	23.5	.0045	-91.6	.0072	-121.6		.12	.0306	-241.9	.0455	-25.7	.0725	-40.2	
	.20	.0053	25.5	.0056	-90.8	.0092	-121.5		.20	.0487	-234.7	.0442	-19.0	.0885	-37.8	
	.30	.0010	113.2	.0033	-62.8	.0044	-63.8		.30	.0484	-220.6	.0587	-10.4	.1034	-24.0	
	.35	.0047	59.5	.0026	-66.8	.0066	-102.0		.35	.0494	-212.9	.0688	-7.0	.1153	-17.8	
	.45	.0048	74.0	.0054	-59.0	.0094	-81.2		.45	.0778	-203.5	.0860	-1.7	.1609	-12.0	
	.50	.0034	55.7	.0005	-25.7	.0034	-116.6		.50	.0928	-198.0	.1005	.8	.1907	-8.2	
	.60	.0037	118.5	.0028	-43.9	.0064	-53.9		.60	.1210	-188.3	.1104	4.0	.2300	-2.4	
	.70	.0026	78.2	.0019	-14.4	.0033	-65.6		.70	.1680	-179.6	.0905	5.6	.2582	2.2	
	.75	.0023	92.9	.0018	-5.8	.0031	-52.5		.75	.1602	-175.7	.0634	8.6	.2235	5.5	
	.85			.0017	16.9				.85							
	.90	.0012	129.7						.90							
	.95	.0008	115.6	.0015	29.4	.0016	2.2		.95	.0779	-180.2					
CHORD 2	.05	.0065	-317.4	.0032	-135.9	.0097	-136.9	CHORD 7	.05	.0702	-228.8	.0663	-36.6	.1357	-42.8	
	.12	.0075	-327.9	.0023	-140.9	.0098	-146.2		.12	.0569	-226.1	.0648	-27.6	.1201	-36.2	
	.20	.0111	-320.9	.0032	-119.0	.0141	-136.0		.20	.0451	-216.6	.0592	-19.3	.1031	-26.8	
	.35	.0117	-298.9	.0022	-71.5	.0133	-112.0		.35	.0707	-205.1	.0652	-8.4	.1345	-17.1	
	.60	.0056	-250.7	.0016	-36.6	.0070	-63.5		.60	.1039	-184.7	.0750	2.8	.1785	-1.6	
	.75	.0029	-257.4	.0010	-73.3	.0038	-76.4		.75	.1162	-173.5	.0576	.1	.1735	4.4	
	.85	.0027	-225.5						.85	.0140	-165.4					
	.90	.0022	-224.8	.0002	-92.7	.0023	-48.5		.90	.0087	-77.2	.0010	-62.2	.0077	100.8	
	.95	.0017	-240.0						.95	.0160	-262.9	.0325	167.0	.0309	-163.9	
	CHORD 3	.05	.0045	47.9	.0044	-109.4	.0087		-120.9	CHORD 8	.05	.0667	-226.5	.0669	-30.4	.1322
.12		.0045	42.9	.0052	-110.5	.0094	-122.7	.12	.0639		-223.1	.0577	-22.0	.1196	-33.1	
.20		.0042	51.0	.0047	-78.1	.0080	-102.0	.20	.0648		-216.6					
.75		.0024	126.4	.0022	-17.9	.0044	-36.7	.75	.0678		-172.4	.0231	17.2	.0907	10.0	
.85				.0012	-12.1			.85								
.90		.0021	117.8					.90								
.95			.0004	25.7			.95									
CHORD 4	.05	.0069	44.4	.0047	-108.3	.0113	-124.6	CHORD 9	.05	.0801	-220.2	.0620	-34.5	.1419	-37.7	
	.12	.0049	41.3	.0067	-95.4	.0108	-113.4		.12	.0671	-215.8	.0466	-30.1	.1136	-33.5	
	.20	.0082	45.3	.0065	-80.0	.0131	-110.6		.20	.0532	-211.1	.0357	-22.8	.0887	-27.8	
	.35	.0079	51.4	.0046	-89.1	.0119	-114.2		.35	.0417	-224.1	.0229	-40.2	.0645	-42.7	
	.60	.0061	107.2	.0236	23.0	.0238	8.2		.60	.0270	-193.4	.0054	19.2	.0317	-8.1	
	.75	.0034	148.1	.0025	-21.5	.0059	-27.6		.75	.0146	-192.4	.0038	15.3	.0180	-6.8	
	.85	.0026	118.2	.0019	-17.9	.0042	-43.3		.85	.0054	-192.6					
	.95	.0048	-11.8	.0154	-41.9	.0115	-54.0		.95							
	CHORD 5	.05	.0147	-283.9	.0114	-96.4	.0260		-100.6							
		.12	.0125	-283.5	.0092	-84.2	.0215		-95.3							
.20		.0229	-281.0	.0096	-64.8	.0311	-90.5									
.35		.0144	-258.9	.0096	-45.3	.0230	-65.5									
.60		.0197	-216.7	.0104	-8.0	.0292	-26.9									
.75		.0193	-192.3													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =391      MACH = .784      RN = 2.215\*10E6      ALPHA = -.00 DEG      OSCILLATING DELTA9 (PEAK) = 2.03 DEG  
 G = 3.980 KPA      K = .104      DELTA9 = -3.03 DEG      OSCILLATING FREQUENCY = 5.01 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0031	120.3	.0014	19.5	.0037	-38.3	CHORD 6	.05	.0182	151.2	.0212	-18.9	.0392	-23.5		
	.12	.0022	93.1	.0011	-27.7	.0030	-67.6		.12	.0166	154.4	.0213	-13.2	.0377	-18.6		
	.20	.0041	78.4	.0009	-73.4	.0049	-96.7		.20	.0190	153.9	.0211	-11.9	.0397	-18.7		
	.30	.0011	118.0	.0025	-97.5	.0035	-86.6		.30	.0256	165.1	.0276	-6.3	.0531	-10.4		
	.35	.0022	112.3	.0013	-36.2	.0034	-56.3		.35	.0289	171.0	.0313	-3.1	.0601	-6.0		
	.45	.0015	114.1	.0012	28.7	.0019	-25.9		.45	.0384	174.4	.0384	.9	.0767	-2.3		
	.50	.0024	125.5	.0016	18.2	.0033	-26.9		.50	.0426	180.4	.0451	2.5	.0877	1.5		
	.60	.0027	79.0	.0004	-60.4	.0030	-96.6		.60	.0549	183.2	.0482	3.7	.1030	3.4		
	.70	.0010	94.6	.0007	-112.6	.0016	-97.1		.70	.0741	183.5	.0488	4.3	.1199	3.8		
	.75	.0008	89.1	.0009	-119.2	.0017	-105.2		.75	.0865	184.0	.0378	5.0	.1243	4.3		
	.85			.0006	-92.0				.85								
.90	.0004	163.2					.90										
.95	.0001	254.1	.0005	-147.0	.0004	-159.2	.95	.0104	2.6								
CHORD 2	.05	.0018	-241.9	.0022	-28.8	.0038	-43.7	CHORD 7	.05	.0355	-199.7	.0378	-18.1	.0733	-18.9		
	.12	.0009	-206.6	.0014	-19.1	.0023	-22.0		.12	.0329	-193.7	.0384	-16.6	.0713	-15.2		
	.20	.0040	-199.8	.0035	-132.5	.0042	-71.2		.20	.0287	-189.3	.0305	-12.6	.0592	-11.0		
	.35	.0050	-194.3	.0050	-318.4	.0089	13.8		.35	.0353	-184.8	.0353	-4.4	.0706	-4.6		
	.60	.0039	-138.4	.0015	-83.9	.0033	19.8		.60	.0495	-180.2	.0361	2.2	.0856	.8		
	.75	.0019	-205.0	.0009	-50.8	.0027	-33.3		.75	.0590	-176.2	.0283	3.0	.0873	3.6		
	.85	.0016	-221.6						.85	.0503	-190.6						
	.90	.0014	-220.5	.0008	-83.3	.0020	-55.6		.90	.0289	-175.6	.0017	-27.2	.0304	2.7		
	.95	.0010	-214.0						.95	.0104	-178.3	.0063	7.2	.0167	3.8		
	CHORD 3	.05	.0012	103.8	.0011	-34.2	.0022		-55.4	CHORD 8	.05	.0348	160.2	.0364	-12.1	.0710	-15.9
.12		.0017	97.9	.0013	-40.0	.0028	-64.2	.12	.0306		162.8	.0300	-9.9	.0605	-13.6		
.20		.0017	93.6	.0035	-102.1	.0052	-96.9	.20	.0297		164.5						
.75		.0018	140.2	.0006	-64.7	.0023	-45.7	.75	.0398		184.1	.0181	5.3	.0578	4.5		
.85				.0011	-52.6			.85									
.90		.0003	105.6					.90									
CHORD 4	.05	.0025	92.3	.0026	-95.8	.0051	-91.8	CHORD 9	.05	.0356	161.8	.0416	-15.6	.0772	-16.8		
	.12	.0019	86.1	.0028	-103.1	.0046	-99.4		.12	.0294	163.8	.0283	-12.5	.0577	-14.4		
	.20	.0031	99.7	.0012	-17.8	.0038	-64.5		.20	.0241	167.2	.0235	-10.0	.0476	-11.4		
	.35	.0030	115.9	.0017	-73.7	.0047	-67.6		.35	.0174	154.3	.0157	-22.7	.0332	-24.3		
	.60	.0030	222.9	.0190	2.0	.0213	7.3		.60	.0119	178.4	.0030	5.5	.0149	-2		
	.75	.0026	142.5	.0010	-33.5	.0036	-36.3		.75	.0063	183.3	.0030	-8	.0093	2.0		
	.85	.0006	119.6	.0003	2.3	.0008	-39.7		.85	.0018	189.7						
	.95	.0125	190.4	.0040	-258.5	.0131	28.0		.95								
	CHORD 5	.05	.0058	-223.1	.0048	-38.9	.0106		-41.2								
		.12	.0047	-214.6	.0046	-31.8	.0093		-33.2								
.20		.0074	-198.5	.0060	-31.4	.0132	-24.2										
.35		.0072	-203.5	.0066	-7.9	.0137	-16.1										
.60		.0114	-206.1	.0038	9.6	.0147	-17.4										
.75		.0080	-170.1														
.85																	
.95																	



TABLE 7.- Continued

POINT NUMBER =393

MACH = .783  
Q = 3.972 KPA

RN = 2.216\*10E6  
K = .312

ALPHA = -.00 DEG  
DELTA9 = -3.01 DEG

OSCILLATING DELTA9 (PEAK) = 2.04 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0035	-69.9	.0024	131.6	.0058	118.8	CHORD 6	.05	.0189	88.9	.0127	288.7	.0311	-83.1	
	.12	.0034	-58.0	.0021	146.3	.0054	131.4		.12	.0173	98.2	.0136	308.1	.0299	-68.7	
	.20	.0042	-54.5	.0012	188.1	.0048	138.1		.20	.0193	-240.1	.0141	328.5	.0324	-48.1	
	.30	.0028	30.3	.0026	224.2	.0053	-143.0		.30	.0265	-222.2	.0207	333.4	.0467	-34.5	
	.35	.0044	8.1	.0006	241.0	.0048	-166.3		.35	.0297	-216.2	.0252	-19.2	.0543	-28.4	
	.45	.0048	-313.2	.0018	-62.9	.0057	-115.8		.45	.0404	-199.6	.0341	-6.5	.0741	-13.6	
	.50	.0040	-313.8	.0030	-76.0	.0062	-109.3		.50	.0475	-193.1	.0416	-1.5	.0887	-7.7	
	.60	.0033	-291.3	.0008	-58.4	.0038	-101.8		.60	.0591	-182.3	.0459	4.0	.1049	.5	
	.70	.0026	-278.2	.0012	-80.7	.0038	-92.7		.70	.0766	-175.3	.0437	6.2	.1203	5.3	
	.75	.0053	-117.4	.0013	-72.7	.0044	51.0		.75	.0882	-173.1	.0351	8.8	.1233	7.4	
	.85			.0012	-61.7				.85							
	.90	.0009	-278.6						.90							
	.95	.0011	-268.6	.0010	-25.5	.0017	-59.1		.95	.0109	-2.7					
CHORD 2	.05	.0045	-36.2	.0005	288.9	.0041	147.7	CHORD 7	.05	.0293	115.8	.0281	306.8	.0572	-58.8	
	.12	.0032	-20.4	.0009	264.9	.0031	176.2		.12	.0270	123.0	.0288	317.7	.0553	-49.4	
	.20	.0066	-13.1	.0006	266.8	.0066	171.9		.20	.0244	135.0	.0248	333.9	.0486	-35.5	
	.35	.0063	31.2	.0017	253.1	.0077	-140.2		.35	.0326	155.4	.0291	348.4	.0613	-18.4	
	.60	.0048	79.8	.0008	343.2	.0049	-90.9		.60	.0519	178.0	.0346	6.2	.0863	1.3	
	.75	.0021	95.3	.0007	343.0	.0024	-69.9		.75	.0584	184.4	.0271	11.7	.0853	6.7	
	.85	.0018	101.9						.85	.0349	136.9					
	.90	.0015	89.4	.0005	285.3	.0019	-86.8		.90	.0272	187.7	.0013	335.0	.0283	6.3	
	.95	.0013	80.0						.95	.0291	-100.3	.0063	35.7	.0339	72.3	
	CHORD 3	.05	.0038	-53.7	.0026	169.7	.0060		143.8	CHORD 8	.05	.0331	116.9	.0273	307.5	.0602
.12		.0031	-44.6	.0022	165.4	.0051	147.8	.12	.0291		-232.1	.0227	319.0	.0516	-47.2	
.20		.0032	-8.7	.0005	-109.7	.0033	179.3	.20	.0294		-222.3					
.75		.0020	-261.7	.0009	-58.7	.0028	-74.8	.75	.0403		-175.0	.0164	9.7	.0567	6.4	
.85				.0005	-3.4			.85								
.90		.0011	-243.8					.90								
CHORD 4	.05	.0047	-39.2	.0030	183.4	.0072	157.3	CHORD 9	.05	.0337	-235.8	.0288	309.4	.0625	-53.4	
	.12	.0032	-24.1	.0022	212.7	.0048	178.1		.12	.0290	-228.4	.0190	312.9	.0480	-47.9	
	.20	.0060	.7	.0008	228.4	.0066	-173.9		.20	.0227	-220.1	.0169	315.9	.0395	-41.8	
	.35	.0048	-15.5	.0017	213.4	.0061	176.4		.35	.0133	106.2	.0073	280.2	.0206	-75.9	
	.60	.0025	-295.6	.0193	17.4	.0177	11.3		.60	.0113	-196.1	.0018	-23.7	.0130	-17.2	
	.75	.0023	-236.8	.0010	-30.9	.0033	-48.9		.75	.0063	-197.1	.0021	324.0	.0083	-21.8	
	.85	.0022	-249.3	.0007	-35.4	.0028	-61.7		.85	.0030	-193.2					
	.95	.0007	-258.4	.0003	60.8	.0005	-52.6		.95							
	CHORD 5	.05	.0079	20.5	.0031	201.0	.0110		-159.3							
.12		.0067	29.6	.0019	235.5	.0084	-144.9									
.20		.0098	40.2	.0040	282.3	.0122	-122.9									
.35		.0092	70.1	.0019	315.8	.0101	-99.9									
.60		.0105	134.8	.0042	349.9	.0141	-35.5									
.75		.0093	158.9													
.85																
.95																





TABLE 7.- Continued

POINT NUMBER =395

MACH = .784  
Q = 3.976 KPA

RN = 2.216\*10E6  
K = .208

ALPHA = -.00 DEG  
DELTA9 = -3.00 DEG

OSCILLATING DELTA9 (PEAK) = 4.03 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C		UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0049	18.2	.0032	220.1	.0079	-153.2	CHORD 6	.05	.0350	-239.7	.0370	-45.3	.0715	-52.3
	.12	.0055	28.8	.0037	245.4	.0088	-136.5		.12	.0302	-231.4	.0370	-35.0	.0665	-42.3
	.20	.0070	43.1	.0050	256.6	.0115	-123.1		.20	.0353	-222.0	.0357	-28.9	.0705	-35.5
	.30	.0019	101.9	.0028	-86.0	.0047	-82.8		.30	.0504	-210.1	.0490	-18.2	.0989	-24.2
	.35	.0072	58.0	.0043	255.9	.0114	-115.3		.35	.0538	-204.7	.0578	-13.8	.1111	-19.1
	.45	.0062	78.5	.0036	-59.8	.0092	-86.4		.45	.0703	-193.9	.0739	-6.9	.1439	-10.3
	.50	.0055	88.7	.0053	-76.8	.0107	-84.2		.50	.0832	-189.3	.0866	-3.1	.1696	-6.1
	.60	.0046	87.2	.0020	-50.6	.0063	-80.4		.60	.1097	-182.7	.0911	1.6	.2007	-.7
	.70	.0042	91.0	.0021	-40.7	.0058	-73.4		.70	.1437	-179.0	.0862	3.3	.2299	1.9
	.75	.0040	85.8	.0021	-42.8	.0055	-77.2		.75	.1634	-177.3	.0696	4.1	.2329	3.1
	.85			.0017	-40.6				.85						
	.90	.0013	85.3						.90						
	.95	.0012	86.0	.0015	-7.8	.0020	-45.8		.95	.0222	-.2				
CHORD 2	.05	.0050	24.6	.0048	-113.4	.0092	-134.9	CHORD 7	.05	.0606	136.8	.0691	-36.6	.1295	-39.7
	.12	.0034	21.6	.0044	-92.5	.0066	-120.7		.12	.0538	141.3	.0704	-31.0	.1239	-34.4
	.20	.0035	45.0	.0040	-90.6	.0069	-111.4		.20	.0490	147.7	.0605	-20.9	.1090	-26.0
	.35	.0057	75.1	.0038	-81.9	.0094	-95.7		.35	.0621	159.9	.0679	-12.1	.1296	-15.9
	.60	.0059	84.6	.0030	-52.0	.0083	-81.1		.60	.0938	175.9	.0696	1.6	.1632	-1.7
	.75	.0025	102.0	.0020	-35.6	.0042	-59.0		.75	.1104	181.7	.0544	5.4	.1647	2.9
	.85	.0021	80.1						.85	.0709	140.9				
	.90	.0022	72.0	.0010	-45.6	.0028	-89.7		.90	.0563	181.1	.0029	-21.4	.0591	-.0
	.95	.0021	58.4						.95	.0235	171.2	.0140	15.2	.0368	.1
CHORD 3	.05	.0060	36.4	.0053	230.2	.0113	-137.1	CHORD 8	.05	.0657	-222.2	.0651	-34.0	.1305	-38.1
	.12	.0069	41.3	.0064	242.6	.0132	-128.4		.12	.0560	-216.9	.0553	-28.2	.1110	-32.6
	.20	.0068	41.0	.0036	253.0	.0100	-128.1		.20	.0560	-210.0				
	.75	.0034	93.8	.0017	-54.8	.0049	-76.0		.75	.0722	-178.3	.0337	5.7	.1058	3.0
	.85			.0012	-79.8				.85						
	.90	.0015	91.4						.90						
	.95			.0002	-72.0				.95						
CHORD 4	.05	.0080	49.8	.0053	246.7	.0132	-123.5	CHORD 9	.05	.0672	-217.0	.0692	-37.8	.1364	-37.4
	.12	.0050	46.6	.0054	-97.9	.0099	-114.9		.12	.0557	-213.2	.0458	-33.6	.1016	-33.4
	.20	.0096	55.5	.0085	255.8	.0179	-115.0		.20	.0428	-208.1	.0411	-27.8	.0839	-27.9
	.35	.0074	35.9	.0039	246.4	.0109	-133.8		.35	.0251	-244.4	.0219	-59.8	.0469	-62.3
	.60	.0059	100.7	.0364	8.5	.0371	-.7		.60	.0172	-201.2	.0058	-5.1	.0228	-17.2
	.75	.0031	131.0	.0020	-45.5	.0051	-47.6		.75	.0101	-198.5	.0056	-16.2	.0156	-17.7
	.85	.0028	127.3	.0011	-41.1	.0038	-49.5		.85	.0041	-212.2				
	.95	.0078	114.9	.0004	42.2	.0077	-62.1		.95						
CHORD 5	.05	.0113	72.1	.0117	-84.4	.0225	-95.9								
	.12	.0088	72.9	.0110	-73.5	.0189	-88.3								
	.20	.0123	79.8	.0123	-58.2	.0229	-79.2								
	.35	.0124	102.6	.0092	-43.0	.0207	-62.8								
	.60	.0141	144.2	.0107	-14.5	.0243	-26.6								
	.75	.0137	161.9												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER = 400

MACH = .780  
Q = 3.954 KPA

RN = 2.223\*10E6  
K = .104

ALPHA = -.00 DEG  
DELTA9 = -3.04 DEG

OSCILLATING DELTA9 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 4.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0016	-194.7	.0034	-56.6	.0047	-43.5	CHORD 6	.05	.0583	150.9	.0604	-20.5	.1183	-24.7
	.12	.0027	-211.0	.0034	-35.5	.0061	-33.5		.12	.0504	154.9	.0604	-15.0	.1104	-19.6
	.20	.0051	-228.2	.0050	-34.4	.0101	-41.4		.20	.0558	161.0	.0573	-12.5	.1130	-15.7
	.30	.0025	-201.6	.0049	-67.0	.0069	-52.3		.30	.0735	168.8	.0745	-8.6	.1480	-9.9
	.35	.0056	-234.3	.0053	-70.9	.0108	-62.4		.35	.0831	172.6	.0862	-7.0	.1694	-7.2
	.45	.0059	-216.1	.0017	-37.7	.0076	-36.4		.45	.1117	174.8	.1116	-4.1	.2233	-4.7
	.50	.0070	-219.7	.0022	-7.7	.0088	-30.6		.50	.1268	176.1	.1287	-2.0	.2554	-2.9
	.60	.0025	-217.7	.0022	12.0	.0043	-15.0		.60	.1628	178.3	.1347	.5	.2974	-7.7
	.70	.0026	-192.8	.0015	-7.7	.0040	-8.5		.70	.2162	181.0	.1275	1.5	.3437	1.2
	.75	.0035	-207.7	.0011	-18.1	.0046	-25.4		.75	.2416	181.7	.1049	2.1	.3465	1.8
	.85			.0011	-39.1				.85						
	.90	.0020	-184.7						.90						
	.95	.0015	-185.8	.0004	-4.9	.0019	-5.7		.95	.0198	3.6				
CHORD 2	.05	.0051	-239.0	.0051	-63.9	.0102	-61.4	CHORD 7	.05	.0964	-201.5	.1042	-17.8	.2005	-19.6
	.12	.0031	-233.0	.0043	-55.9	.0075	-54.7		.12	.0850	-198.4	.1037	-15.1	.1885	-16.6
	.20	.0051	-227.7	.0070	-44.0	.0121	-45.6		.20	.0742	-193.3	.0840	-11.0	.1582	-12.1
	.35	.0060	-191.8	.0029	-17.9	.0089	-13.8		.35	.0966	-187.8	.0945	-5.6	.1910	-6.7
	.60	.0062	-179.0	.0031	-22.7	.0092	-6.9		.60	.1431	-180.8	.1007	.4	.2438	-4.3
	.75	.0026	-221.7	.0019	-29.9	.0045	-36.7		.75	.1656	-178.3	.0795	2.4	.2451	1.9
	.85	.0017	-208.0						.85	.1424	-198.0				
	.90	.0014	-201.0	.0014	-44.5	.0027	-32.7		.90	.0846	-179.1	.0036	-23.5	.0879	-1.1
	.95	.0011	-179.3						.95	.0316	-183.6	.0197	8.3	.0510	1.0
CHORD 3	.05	.0050	-230.7	.0040	-46.2	.0089	-48.7	CHORD 8	.05	.1022	160.6	.1003	-17.3	.2024	-18.3
	.12	.0043	-232.9	.0060	-42.2	.0103	-46.7		.12	.0895	164.1	.0849	-14.0	.1744	-15.0
	.20	.0040	-235.6	.0061	-54.2	.0101	-54.8		.20	.0886	168.4				
	.75	.0045	-192.3	.0017	-11.7	.0061	-12.1		.75	.1088	181.7	.0502	3.1	.1590	2.2
	.85			.0014	-20.1				.85						
	.90	.0028	-182.8						.90						
	.95			.0001	-38.5				.95						
CHORD 4	.05	.0068	-251.4	.0065	-47.7	.0131	-59.8	CHORD 9	.05	.1040	162.1	.1126	-18.4	.2166	-18.2
	.12	.0047	-247.5	.0071	-55.2	.0118	-60.1		.12	.0855	163.8	.0765	-17.3	.1620	-16.7
	.20	.0075	-233.9	.0081	-61.1	.0156	-57.7		.20	.0675	164.4	.0653	-13.7	.1328	-14.7
	.35	.0092	-242.3	.0043	-65.9	.0135	-63.5		.35	.0493	148.7	.0391	-32.8	.0884	-32.0
	.60	.0063	-190.2	.0543	3.6	.0605	2.2		.60	.0317	172.4	.0088	-2.9	.0405	-6.6
	.75	.0079	-194.1	.0020	-24.3	.0098	-16.1		.75	.0201	174.7	.0087	-6.9	.0287	-5.7
	.85	.0044	-185.9	.0015	-27.4	.0058	-11.3		.85	.0085	177.0				
	.95	.0012	-192.5	.0133	-26.8	.0145	-25.6		.95						
CHORD 5	.05	.0148	-229.2	.0160	-41.9	.0307	-45.4								
	.12	.0122	-225.3	.0141	-36.8	.0262	-40.7								
	.20	.0163	-218.9	.0150	-35.9	.0313	-37.5								
	.35	.0187	-203.6	.0151	-25.8	.0338	-24.6								
	.60	.0254	-191.5	.0131	-8.0	.0385	-10.3								
	.75	.0197	-183.2												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER #402

MACH = .773

RN = 2.209\*10E6

ALPHA = -.00 DEG

OSCILLATING DELTA9 (PEAK) = 6.00 DEG

Q = 3.908 KPA

K = .316

DELTA9 = -3.00 DEG

OSCILLATING FREQUENCY = 14.99 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0080	-37.4	.0034	-222.9	.0114	141.0	CHORD 6	.05	.0568	-254.8	.0490	-61.3	.1051	-68.5	
	.12	.0072	-34.2	.0022	-212.0	.0094	146.3		.12	.0531	-244.5	.0511	-47.1	.1030	-56.0	
	.20	.0120	-25.4	.0024	-184.2	.0142	158.1		.20	.0568	-231.2	.0477	-36.7	.1037	-44.6	
	.30	.0083	10.0	.0019	-156.3	.0101	-167.5		.30	.0698	-216.2	.0641	-23.5	.1330	-30.1	
	.35	.0078	25.8	.0012	-139.0	.0090	-152.1		.35	.0787	-209.6	.0758	-18.2	.1537	-24.0	
	.45	.0087	65.2	.0020	-78.5	.0104	-108.2		.45	.1045	-197.4	.1017	-9.1	.2057	-13.3	
	.50	.0071	69.0	.0021	-129.4	.0092	-115.3		.50	.1190	-192.9	.1214	-4.7	.2398	-8.8	
	.60	.0058	82.0	.0010	-39.5	.0063	-90.3		.60	.1530	-184.9	.1341	1.2	.2866	-2.0	
	.70	.0043	96.6	.0010	-49.7	.0052	-77.1		.70	.2068	-178.6	.1279	4.1	.3346	2.4	
	.75	.0038	90.1	.0007	-42.5	.0043	-83.4		.75	.2370	-176.4	.1045	6.5	.3413	4.5	
	.85			.0009	-95.3				.85							
	.90	.0007	114.5						.90							
	.95	.0007	109.1	.0007	-173.8	.0009	-118.9		.95	.0217	-9.9					
CHORD 2	.05	.0090	-24.5	.0034	169.2	.0123	159.3	CHORD 7	.05	.0900	120.3	.0875	-52.5	.1772	-56.2	
	.12	.0086	-16.1	.0031	200.6	.0113	173.4		.12	.0779	128.9	.0860	-42.6	.1634	-46.6	
	.20	.0059	32.1	.0041	-142.7	.0100	-145.8		.20	.0724	-219.8	.0774	-29.0	.1491	-34.2	
	.35	.0114	50.0	.0031	-101.9	.0142	-124.1		.35	.0914	-204.3	.0879	-15.2	.1787	-19.9	
	.60	.0082	83.6	.0018	-66.9	.0098	-91.3		.60	.1349	-183.7	.1004	1.2	.2351	-1.6	
	.75	.0055	96.9	.0017	-73.2	.0072	-80.7		.75	.1635	-178.0	.0801	7.2	.2434	3.7	
	.85	.0034	104.3						.85	.1313	-178.2					
	.90	.0028	107.3	.0013	-81.4	.0040	-75.4		.90	.0818	-176.3	.0033	-59.9	.0833	1.7	
	.95	.0024	98.8						.95	.0237	-183.8	.0200	24.1	.0425	9.0	
	CHORD 3	.05	.0095	-34.0	.0040	-212.0	.0135		146.6	CHORD 8	.05	.0952	-235.1	.0846	-49.1	.1795
.12		.0094	-25.9	.0046	-200.9	.0140	155.8	.12	.0787		-226.4	.0704	-38.9	.1488	-42.9	
.20		.0070	24.5	.0020	-161.9	.0090	-156.9	.20	.0771		-217.0					
.75		.0049	112.6	.0008	-59.0	.0057	-66.2	.75	.1072		-177.0	.0501	8.0	.1572	4.6	
.85				.0013	-80.6			.85								
.90		.0016	120.8					.90								
.95			.0010	-66.3			.95									
CHORD 4	.05	.0103	-16.4	.0071	-185.4	.0173	168.1	CHORD 9	.05	.0925	-231.9	.0932	-51.9	.1857	-51.9	
	.12	.0077	-3.1	.0054	-176.6	.0130	179.6		.12	.0729	-225.8	.0616	-47.5	.1344	-46.6	
	.20	.0110	22.2	.0023	-173.8	.0132	-160.6		.20	.0569	-219.2	.0498	-40.7	.1067	-39.9	
	.35	.0112	61.4	.0023	-102.9	.0134	-115.9		.35	.0466	-210.7	.0358	-32.8	.0825	-31.6	
	.60	.0093	102.8	.0528	13.7	.0535	3.7		.60	.0264	-199.5	.0077	-18.7	.0341	-19.4	
	.75	.0048	126.8	.0013	-47.9	.0060	-52.1		.75	.0163	-195.9	.0069	-30.7	.0230	-20.3	
	.85	.0035	142.2	.0005	-60.5	.0039	-40.4		.85	.0111	-171.2					
	.95	.0054	258.9	.0005	89.3	.0059	79.9		.95							
	CHORD 5	.05	.0205	40.0	.0135	-128.7	.0339		-135.5							
		.12	.0177	51.5	.0111	-112.3	.0285		-122.2							
.20		.0194	62.9	.0118	-83.3	.0299	-104.4									
.35		.0204	87.8	.0115	-64.1	.0311	-82.1									
.60		.0278	-224.5	.0134	-22.4	.0405	-37.3									
.75		.0230	-203.3													
.85																
.95																



TABLE 7.- Continued

POINT NUMBER =525

MACH = .780  
Q = 8.322 KPA

RN = 4.613\*10E6  
K = .209

ALPHA = 2.47 DEG  
DELTA6 = .04 DEG

OSCILLATING DELTA6 (PEAK) = 2.02 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0123	72.7	.0076	-63.6	.0185	-90.8	CHORD 6	.05	.0116	95.9	.0089	-101.3	.0203	-91.5
	.12	.0119	83.1	.0081	-54.1	.0187	-79.7		.12	.0199	92.7	.0070	-103.3	.0267	-91.4
	.20	.0099	98.7	.0100	-38.8	.0185	-60.0		.20	.0264	91.6	.0058	-106.9	.0319	-91.7
	.30	.0113	111.1	.0135	-37.7	.0240	-51.9		.30	.0310	88.6	.0049	-107.6	.0358	-93.6
	.35	.0351	111.4	.0150	-25.7	.0472	-56.1		.35	.0612	95.4	.0048	-105.3	.0657	-86.1
	.45	.0725	140.9	.0211	-16.1	.0923	-33.9		.45	.0073	167.4	.0036	-106.2	.0079	-39.4
	.50	.0570	164.1	.0270	-13.4	.0840	-15.1		.50	.0242	268.8	.0030	-108.4	.0214	91.1
	.60	.0442	181.1	.0273	-3	.0715	6		.60	.0129	275.8	.0023	-105.0	.0108	100.0
	.70	.0545	186.8	.0329	5.6	.0874	6.3		.70	.0039	273.4	.0019	-107.8	.0022	112.0
	.75	.0671	189.6	.0381	6.5	.1052	8.5		.75	.0021	290.7	.0019	-102.9	.0012	175.1
	.85			.0325	14.2				.85						
	.90	.0246	204.1						.90						
	.95	.0146	212.0	.0229	18.3	.0373	23.6		.95	.0017	249.8				
CHORD 2	.05	.0091	80.6	.0095	-58.5	.0175	-78.6	CHORD 7	.05	.0125	78.5	.0092	-88.2	.0216	-95.9
	.12	.0046	77.8	.0091	-55.7	.0126	-70.9		.12	.0160	77.1	.0068	-85.2	.0226	-97.7
	.20	.0126	67.1	.0109	-35.8	.0185	-77.7		.20	.0158	80.8	.0068	-90.2	.0225	-96.5
	.35	.0290	92.2	.0200	-34.9	.0440	-66.6		.35	.1027	91.9	.0047	-86.0	.1074	-88.1
	.60	.0445	188.3	.0275	-1.3	.0717	4.6		.60	.0163	-101.6	.0028	-64.5	.0142	71.7
	.75	.0570	186.1	.0279	7.1	.0850	6.5		.75	.0012	-120.2	.0015	-34.0	.0019	7.3
	.85	.0493	191.8						.85	.0021	111.0				
	.90	.0217	201.0	.0214	13.0	.0431	17.0		.90	.0022	113.9	.0118	-7.7	.0131	-16.0
	.95	.0184	198.5						.95	.0021	123.9	.0009	-54.3	.0030	-55.5
CHORD 3	.05	.0103	87.7	.0088	-56.6	.0182	-76.0	CHORD 8	.05	.0089	92.4	.0075	-114.2	.0159	-99.8
	.12	.0086	92.8	.0102	-48.0	.0178	-65.9		.12	.0145	87.4	.0055	-114.9	.0198	-98.7
	.20	.0414	83.6	.0152	-54.5	.0536	-85.5		.20	.0152	83.8				
	.75	.0470	189.5	.0237	5.3	.0707	8.1		.75	.0013	216.5	.0019	232.5	.0007	-97.0
	.85			.0207	7.6				.85						
	.90	.0276	196.5						.90						
	.95			.0073	23.6				.95						
CHORD 4	.05	.0084	100.4	.0111	-56.0	.0191	-66.2	CHORD 9	.05	.0119	71.6	.0093	-109.7	.0211	-109.0
	.12	.0141	92.4	.0110	-49.2	.0238	-70.9		.12	.0153	70.9	.0067	-111.7	.0220	-109.9
	.20	.0063	94.3	.0127	-40.3	.0177	-54.9		.20	.0242	74.1	.0057	-116.7	.0298	-107.9
	.35	.0345	95.6	.0162	-23.5	.0447	-66.0		.35	.0250	244.4	.0044	227.9	.0208	67.9
	.60	.0369	207.0	.0021	-87.8	.0360	24.0		.60	.0029	-44.2	.0023	215.4	.0041	170.0
	.75	.0174	205.7	.0057	-6.8	.0224	17.9		.75	.0002	71.3	.0014	204.0	.0015	-150.9
	.85	.0092	205.5	.0026	2.4	.0116	20.4		.85	.0016	76.0				
	.95	.0038	224.3	.0008	-216.7	.0037	56.2		.95						
CHORD 5	.05	.0171	102.6	.0123	-64.9	.0293	-72.2								
	.12	.0116	96.7	.0095	-61.0	.0207	-73.3								
	.20	.0130	93.8	.0094	-57.8	.0218	-74.4								
	.35	.0413	88.7	.0088	-46.9	.0479	-83.9								
	.60	.0346	-94.1	.0047	-56.8	.0310	80.6								
	.75	.0033	228.4												
	.85														
	.95														





TABLE 7.- Continued

POINT NUMBER =531

MACH = .774  
Q = 8.233 KPA

RN = 4.601\*10E6  
K = .105

ALPHA = 2.48 DEG  
DELTA6 = .03 DEG

OSCILLATING DELTA6 (PEAK) = 4.03 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0187	=230.0	.0157	=25.2	.0336	=38.7	CHORD 6	.05	.0266	137.2	.0222	=41.3	.0488	=42.1
	.12	.0186	=226.1	.0184	=24.0	.0363	=35.1		.12	.0423	136.5	.0175	=38.6	.0598	=42.1
	.20	.0220	=220.0	.0227	=20.5	.0440	=30.1		.20	.0603	136.5	.0145	=38.4	.0747	=42.2
	.30	.0323	=212.4	.0261	=19.0	.0581	=26.4		.30	.1649	142.0	.0137	=34.5	.1786	=37.7
	.35	.0667	=210.9	.0285	=14.7	.0944	=26.1		.35	.2428	146.8	.0130	=35.2	.2558	=33.3
	.45	.1076	=195.5	.0435	=8.5	.1508	=13.5		.45	.0551	=46.1	.0109	=39.3	.0442	132.2
	.50	.0849	=186.7	.0523	=5.5	.1372	=6.3		.50	.0340	=41.7	.0094	=38.9	.0246	137.3
	.60	.0793	=177.7	.0531	=.	.1325	1.3		.60	.0122	=30.7	.0056	=34.2	.0066	152.2
	.70	.0986	=177.1	.0643	3.4	.1629	3.1		.70	.0032	215.0	.0028	=22.9	.0053	7.9
	.75	.1205	=176.5	.0757	4.2	.1961	3.8		.75	.0026	173.9	.0035	=22.5	.0061	=15.5
	.85			.0694	7.9				.85						
	.90	.0421	=168.0						.90						
	.95	.0224	=162.5	.0421	13.1	.0645	14.6		.95	.0020	=84.0				
CHORD 2	.05	.0209	138.2	.0195	=26.0	.0400	=34.2	CHORD 7	.05	.0285	137.0	.0211	=45.6	.0496	=44.1
	.12	.0097	138.0	.0193	=22.9	.0286	=29.2		.12	.0359	137.1	.0154	=44.8	.0514	=43.5
	.20	.0100	135.6	.0252	=18.7	.0345	=26.0		.20	.0426	134.8	.0135	=46.8	.0561	=45.6
	.35	.1135	148.9	.0333	=10.9	.1452	=26.6		.35	.0611	145.3	.0098	=51.9	.0706	=37.0
	.60	.0730	181.6	.0527	1.3	.1257	1.5		.60	.0037	=34.5	.0053	=51.3	.0021	=82.6
	.75	.1045	184.0	.0557	5.0	.1603	4.3		.75	.0010	157.7	.0015	=75.3	.0022	=54.6
	.85	.0884	186.3						.85	.0037	144.5				
	.90	.0419	190.2	.0404	9.0	.0822	9.6		.90	.0026	148.6	.0251	=5.4	.0274	=7.7
	.95	.0304	191.0						.95	.0022	150.7	.0013	=61.3	.0033	=41.1
CHORD 3	.05	.0192	=220.9	.0196	=24.4	.0384	=32.5	CHORD 8	.05	.0211	134.8	.0196	=45.9	.0407	=45.5
	.12	.0130	=219.9	.0224	=23.2	.0351	=29.3		.12	.0354	134.3	.0152	=46.3	.0506	=45.9
	.20	.0577	=225.4	.0322	=23.5	.0884	=37.6		.20	.0382	135.0				
	.75	.0860	=175.8	.0467	4.7	.1327	4.4		.75	.0022	187.8	.0027	=26.1	.0046	=10.8
	.85			.0362	6.2				.85						
	.90	.0433	=172.7						.90						
	.95			.0103	26.2				.95						
CHORD 4	.05	.0176	=221.0	.0270	=28.1	.0444	=33.2	CHORD 9	.05	.0306	127.3	.0169	=45.8	.0474	=50.2
	.12	.0284	=222.8	.0258	=24.9	.0536	=34.3		.12	.0383	128.8	.0128	=44.0	.0510	=49.4
	.20	.0162	=222.8	.0305	=19.5	.0458	=27.5		.20	.1379	131.2	.0111	=41.2	.1488	=48.2
	.35	.2156	=211.5	.0322	=13.1	.2464	=29.1		.35	.0465	=53.4	.0090	=35.3	.0380	122.4
	.60	.0481	=167.2	.0052	=43.4	.0512	8.0		.60	.0032	149.1	.0035	=41.8	.0067	=36.6
	.75	.0272	=174.5	.0115	2.4	.0387	4.6		.75	.0032	158.2	.0016	=27.1	.0048	=23.6
	.85	.0153	=170.7	.0054	10.9	.0207	9.7		.85	.0037	140.9				
	.95	.0057	=160.2	.0018	136.0	.0051	38.2		.95						
CHORD 5	.05	.0445	141.5	.0261	=33.2	.0706	=36.5								
	.12	.0295	139.3	.0208	=30.5	.0501	=36.5								
	.20	.0367	138.5	.0216	=26.6	.0578	=36.0								
	.35	.2313	147.7	.0187	=24.0	.2498	=31.6								
	.60	.0106	=68.7	.0092	=31.8	.0064	51.7								
	.75	.0042	159.3												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER = 535

MACH = .785  
Q = 8.381 KPA

RN = 4.647\*10E6  
K = .312

ALPHA = 2.47 DEG  
DELTA6 = .00 DEG

OSCILLATING DELTA6 (PEAK) = 4.01 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		CHORD	X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0084	22.4	.0087	-71.6	.0125	-113.6	CHORD 6	.05	.0158	42.4	.0132	-142.0	.0290	-139.6	
	.12	.0106	8.4	.0118	-64.0	.0133	-113.7		.12	.0250	40.8	.0108	-141.2	.0357	-139.8	
	.20	.0147	22.2	.0163	-51.6	.0187	-100.8		.20	.0346	39.5	.0090	-138.6	.0436	-140.1	
	.30	.0190	55.3	.0224	-39.6	.0306	-77.9		.30	.0373	41.8	.0086	-141.5	.0459	-138.8	
	.35	.0408	56.6	.0256	-32.8	.0480	-91.1		.35	.0598	44.7	.0085	-143.0	.0682	-136.2	
	.45	.1281	103.1	.0402	-19.2	.1535	-64.1		.45	.1973	84.0	.0081	-142.3	.2030	-97.6	
	.50	.1334	125.1	.0499	-11.5	.1731	-43.5		.50	.0231	145.9	.0076	-142.6	.0219	-53.4	
	.60	.1039	168.0	.0525	-1.6	.1559	-8.5		.60	.0385	224.0	.0058	-145.3	.0328	45.6	
	.70	.1107	180.7	.0637	6.3	.1742	2.8		.70	.0131	222.7	.0043	-144.9	.0089	46.4	
	.75	.1291	184.7	.0755	8.6	.2045	6.1		.75	.0066	219.3	.0044	-140.6	.0022	39.0	
	.85			.0718	19.2				.85							
	.90	.0498	207.8						.90							
	.95	.0297	216.0	.0447	26.4	.0741	30.2		.95	.0035	177.8					
	CHORD 2	.05	.0103	28.3	.0104	-64.3	.0149		-107.7	CHORD 7	.05	.0178	28.9	.0139	200.5	.0316
.12		.0050	30.2	.0121	-56.0	.0128	-79.0	.12	.0272		29.4	.0100	199.9	.0372	-153.2	
.20		.0174	22.4	.0191	-44.4	.0201	-97.0	.20	.0223		32.2	.0094	197.2	.0315	-152.2	
.35		.0549	-307.4	.0293	-27.4	.0576	-97.3	.35	.0954		-310.9	.0074	201.8	.1020	-132.8	
.60		.1156	-182.4	.0519	1.5	.1674	-1.2	.60	.0247		-145.5	.0048	200.9	.0201	37.6	
.75		.1161	-172.6	.0543	10.5	.1704	8.4	.75	.0055		-149.3	.0028	187.8	.0031	51.1	
.85		.0953	-164.9					.85	.0013		-191.9					
.90		.0490	-154.5	.0413	22.0	.0902	23.9	.90	.0011		-204.4	.0205	-1.5	.0215	-2.6	
.95		.0370	-156.2					.95	.0007		-229.4	.0032	175.5	.0027	-173.4	
CHORD 3		.05	.0092	37.0	.0112	-70.1	.0165	-102.4	CHORD 8		.05	.0127	27.5	.0139	-151.8	.0267
	.12	.0099	32.3	.0152	-56.5	.0180	-89.9	.12		.0204	26.4	.0106	-151.0	.0311	-152.7	
	.20	.0375	17.9	.0248	-52.0	.0372	-123.3	.20		.0220	32.0					
	.75	.0994	188.2	.0456	10.1	.1449	8.8	.75		.0043	195.3	.0035	-148.6	.0014	-29.6	
	.85			.0370	16.6			.85								
	.90	.0482	197.4					.90								
CHORD 4	.05	.0092	45.6	.0159	-63.2	.0208	-88.0	CHORD 9	.05	.0232	18.5	.0145	197.8	.0377	-161.8	
	.12	.0158	36.2	.0171	-51.9	.0229	-95.7		.12	.0268	19.6	.0108	196.6	.0375	-161.2	
	.20	.0090	35.3	.0218	-38.9	.0212	-63.1		.20	.0326	21.6	.0096	196.6	.0422	-159.5	
	.35	.0400	39.2	.0266	-22.9	.0362	-100.3		.35	.0201	92.2	.0082	197.3	.0236	-107.3	
	.60	.1186	184.4	.0030	-148.3	.1159	3.7		.60	.0087	190.6	.0038	202.7	.0050	1.6	
	.75	.0433	198.1	.0090	8.7	.0522	16.5		.75	.0025	161.2	.0021	-153.3	.0018	-74.4	
	.85	.0235	202.1	.0043	33.0	.0277	23.8		.85	.0014	51.4					
	.95	.0098	211.6	.0039	-222.6	.0095	54.6		.95							
	CHORD 5	.05	.0210	-301.7	.0102	-84.8	.0298		-109.8							
		.12	.0159	-309.8	.0076	-70.3	.0208		-111.4							
.20		.0180	-311.7	.0086	-62.1	.0225	-110.8									
.35		.0567	-309.5	.0061	-60.3	.0591	-123.9									
.60		.0813	-129.5	.0041	-114.0	.0774	49.7									
.75		.0133	-111.4													
.95																



TABLE 7.- Continued

POINT NUMBER =539

MACH = .779  
Q = 8.275 KPA

RN = 4.633\*10E6  
K = .210

ALPHA = 2.47 DEG  
DELTA6 = -.00 DEG

OSCILLATING DELTA6 (PEAK) = 6.01 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
	MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0311	85.2	.0194	-63.5	.0487	-82.9	CHORD 6	.05	.0344	88.6	.0303	-92.5	.0647	-91.9
	.12	.0304	83.5	.0225	-55.8	.0497	-79.3		.12	.0549	87.4	.0241	-91.3	.0790	-92.2
	.20	.0322	90.5	.0290	-45.8	.0568	-68.9		.20	.0743	87.9	.0199	-90.7	.0941	-91.8
	.30	.0426	106.9	.0342	-31.3	.0718	-54.6		.30	.1170	92.1	.0183	-90.9	.1353	-88.3
	.35	.1037	109.9	.0388	-27.1	.1346	-58.8		.35	.2474	105.8	.0174	-91.3	.2641	-75.3
	.45	.1611	141.2	.0617	-17.1	.2197	-32.9		.45	.0272	195.9	.0161	-92.7	.0268	-18.6
	.50	.1551	153.9	.0737	-10.0	.2268	-20.9		.50	.0581	-94.3	.0145	-93.5	.0437	85.4
	.60	.1290	177.4	.0783	-1.0	.2073	-2.0		.60	.0340	-89.5	.0103	-90.8	.0237	91.1
	.70	.1529	182.0	.0946	3.9	.2475	2.7		.70	.0104	-101.5	.0069	-90.9	.0038	58.7
	.75	.1828	184.1	.1123	5.2	.2951	4.6		.75	.0044	-101.5	.0075	-90.4	.0033	-75.5
	.85			.1065	12.0				.85						
	.90	.0683	201.8						.90						
	.95	.0406	-151.1	.0633	18.6	.1035	22.6		.95	.0052	-131.8				
CHORD 2	.05	.0294	88.2	.0230	-64.9	.0510	-80.1	CHORD 7	.05	.0364	83.3	.0293	-97.3	.0657	-97.0
	.12	.0137	86.9	.0228	-53.2	.0344	-68.0		.12	.0505	84.2	.0205	-96.2	.0710	-95.9
	.20	.0317	85.2	.0321	-42.8	.0574	-68.6		.20	.0504	84.1	.0190	-96.8	.0695	-96.2
	.35	.1378	-247.0	.0451	-25.2	.1741	-57.1		.35	.2539	96.2	.0140	-98.7	.2675	-84.6
	.60	.1248	-175.6	.0763	-1.3	.2009	2.3		.60	.0173	-112.8	.0082	-99.6	.0096	56.0
	.75	.1544	-173.8	.0806	6.0	.2350	6.2		.75	.0014	-122.3	.0037	-101.4	.0025	-90.2
	.85	.1235	-167.9						.85	.0032	82.2				
	.90	.0660	-160.9	.0601	14.5	.1261	16.9		.90	.0031	89.9	.0332	-9.3	.0338	-14.5
	.95	.0339	-149.6						.95	.0033	83.3	.0030	-104.7	.0064	-100.5
CHORD 3	.05	.0280	89.9	.0235	-62.5	.0500	-77.5	CHORD 8	.05	.0271	87.2	.0280	-99.2	.0549	-96.1
	.12	.0212	88.9	.0268	-51.2	.0452	-68.8		.12	.0443	84.5	.0213	-98.9	.0656	-96.6
	.20	.0874	82.9	.0395	-41.9	.1146	-80.7		.20	.0454	84.8				
	.75	.1322	187.3	.0676	5.8	.1998	6.8		.75	.0024	-125.8	.0059	-100.4	.0039	-85.2
	.85			.0486	12.5				.85						
	.90	.0743	192.1						.90						
	.95			.0129	51.7				.95						
CHORD 4	.05	.0256	93.5	.0307	-59.2	.0548	-71.6	CHORD 9	.05	.0391	74.7	.0265	-104.9	.0656	-105.1
	.12	.0400	89.5	.0307	-45.6	.0655	-71.2		.12	.0470	75.0	.0205	-105.8	.0675	-105.2
	.20	.0239	88.8	.0377	-38.2	.0555	-58.3		.20	.0823	76.2	.0184	-106.9	.1006	-104.4
	.35	.2535	110.0	.0412	-24.8	.2840	-64.1		.35	.0718	-108.0	.0149	-108.9	.0569	72.3
	.60	.1056	200.2	.0660	-102.9	.1024	17.4		.60	.0060	-125.0	.0061	-108.2	.0018	-29.5
	.75	.0486	199.1	.0142	-3.0	.0620	14.1		.75	.0003	37.0	.0036	-108.9	.0038	-111.2
	.85	.0272	199.2	.0061	10.4	.0332	17.6		.85	.0029	53.1				
	.95	.0109	-150.7	.0046	-207.1	.0092	53.7		.95						
CHORD 5	.05	.0559	100.3	.0326	-68.1	.0881	-75.4								
	.12	.0390	97.0	.0255	-60.5	.0633	-74.1								
	.20	.0477	95.5	.0258	-57.1	.0715	-75.0								
	.35	.2437	-249.1	.0207	-60.3	.2642	-68.4								
	.60	.0490	-91.1	.0109	-66.1	.0394	82.2								
	.75	.0031	-92.2												
	.85														
	.95														

TABLE 7.- Continued

POINT NUMBER =541

MACH = .776  
Q = 8.231 KPARN = 4.631\*10E6  
K = .316ALPHA = 2.47 DEG  
DELTA6 = -.05 DEGOSCILLATING DELTA6 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C		UPPER CP		LOWER CP		DELTA CP	
		MAG	PHASE	MAG	PHASE	MAG	PHASE			MAG	PHASE	MAG	PHASE	MAG	PHASE
CHORD 1	.05	.0186	34.5	.0138	-77.9	.0271	-117.3	CHORD 6	.05	.0273	46.4	.0196	222.2	.0469	-135.3
	.12	.0210	27.3	.0191	-63.3	.0286	-110.7		.12	.0480	45.9	.0148	221.9	.0627	-135.0
	.20	.0261	40.3	.0258	-53.8	.0380	-97.1		.20	.0635	47.6	.0126	220.7	.0761	-133.5
	.30	.0437	68.3	.0339	-38.0	.0624	-80.2		.30	.1421	66.1	.0124	222.1	.1535	-115.8
	.35	.1025	79.9	.0383	-32.8	.1225	-83.4		.35	.2681	78.9	.0122	224.6	.2783	-102.5
	.45	.1539	122.2	.0599	-18.1	.2036	-47.0		.45	.0713	-130.4	.0104	224.3	.0610	50.5
	.50	.1543	140.2	.0736	-12.0	.2221	-30.9		.50	.0536	-128.7	.0092	222.4	.0445	53.2
	.60	.1409	169.7	.0777	-1.4	.2180	-7.1		.60	.0240	-134.5	.0063	223.4	.0177	46.3
	.70	.1602	181.3	.0951	5.7	.2552	2.9		.70	.0035	208.6	.0043	219.9	.0011	-100.9
	.75	.1941	187.6	.1131	7.6	.3072	7.6		.75	.0020	177.0	.0047	220.2	.0035	-117.1
	.85			.1092	17.4				.85						
	.90	.0735	208.2						.90						
	.95	.0451	216.3	.0654	25.7	.1100	30.0		.95	.0051	178.5				
CHORD 2	.05	.0189	41.1	.0149	-70.6	.0281	-109.3	CHORD 7	.05	.0291	36.0	.0224	-148.7	.0515	-146.0
	.12	.0113	36.1	.0173	-56.3	.0210	-88.7		.12	.0403	35.5	.0157	-148.3	.0559	-145.6
	.20	.0188	31.8	.0258	-45.3	.0283	-85.6		.20	.0403	39.7	.0148	-148.8	.0550	-142.6
	.35	.1428	79.0	.0397	-26.7	.1583	-87.0		.35	.2040	63.1	.0112	-146.3	.2138	-118.4
	.60	.1519	175.8	.0738	.7	.2255	-2.6		.60	.0125	194.3	.0071	-146.2	.0063	-7.9
	.75	.1624	186.5	.0805	-350.0	.2428	7.7		.75	.0030	183.8	.0043	-156.9	.0017	-122.2
	.85	.1297	194.9						.85	.0025	94.4				
	.90	.0714	204.0	.0609	-338.4	.1323	22.9		.90	.0025	99.0	.0286	-2.2	.0292	-7.0
	.95	.0376	211.5						.95	.0025	96.8	.0043	-176.9	.0048	-145.7
	CHORD 3	.05	.0181	43.6	.0169	-70.6	.0294		-104.8	CHORD 8	.05	.0213	39.2	.0202	208.9
.12		.0150	40.9	.0225	-57.9	.0289	-88.8	.12	.0368		38.4	.0151	208.3	.0517	-144.5
.20		.0647	29.6	.0345	-49.2	.0671	-120.1	.20	.0391		42.2				
.75		.1385	187.3	.0680	8.7	.2065	7.8	.75	.0017		167.8	.0043	203.2	.0031	-138.2
.85				.0551	17.9			.85							
.90		.0794	194.9					.90							
CHORD 4	.05	.0177	53.1	.0219	-67.6	.0345	-93.8	CHORD 9	.05	.0335	27.2	.0199	200.4	.0533	-155.4
	.12	.0292	45.1	.0244	-51.2	.0401	-97.6		.12	.0420	28.8	.0150	197.4	.0567	-154.2
	.20	.0210	45.6	.0313	-40.5	.0365	-75.6		.20	.1162	34.4	.0134	195.6	.1289	-147.6
	.35	.2846	79.7	.0386	-26.6	.2978	-93.2		.35	.0564	205.8	.0110	194.1	.0457	28.6
	.60	.1374	182.9	.0053	211.9	.1327	1.8		.60	.0046	176.8	.0053	191.3	.0014	-115.6
	.75	.0545	196.2	.0136	4.7	.0679	13.9		.75	.0022	99.5	.0031	181.6	.0035	-139.6
	.85	.0306	197.8	.0061	32.9	.0366	20.3		.85	.0027	35.8				
	.95	.0129	206.8	.0060	135.7	.0123	54.4		.95						
	CHORD 5	.05	.0385	60.8	.0166	-94.2	.0540		-111.7						
		.12	.0288	54.5	.0123	-80.1	.0385		-112.3						
.20		.0376	52.5	.0121	-76.0	.0461	-115.6								
.35		.2442	78.7	.0105	-78.1	.2539	-100.4								
.60		.0668	-126.9	.0061	-114.3	.0608	51.9								
.75		.0054	-112.7												
.95															

TABLE 7.- Continued

POINT NUMBER =544

MACH = .780  
Q = 8.298 KPA

RN = 4.711\*10E6  
K = .211

ALPHA = 2.47 DEG  
DELTA6 = 3.00 DEG

OSCILLATING DELTA6 (PEAK) = 2.03 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0072	57.5	.0060	-56.8	.0111	-93.0	CHORD 6	.05	.0097	90.3	.0086	-97.6	.0183	-93.4	
	.12	.0086	69.5	.0069	-52.4	.0136	-84.9		.12	.0148	88.8	.0066	-98.2	.0214	-93.4	
	.20	.0089	82.1	.0088	-48.4	.0162	-73.3		.20	.0192	87.4	.0065	-98.1	.0257	-94.0	
	.30	.0066	-261.2	.0114	-26.6	.0162	-46.1		.30	.0208	88.7	.0068	-97.2	.0275	-92.7	
	.35	.0226	-259.1	.0124	-18.2	.0306	-58.4		.35	.0493	92.7	.0067	-94.0	.0560	-88.1	
	.45	.0476	-234.9	.0190	-14.0	.0632	-43.6		.45	.0274	119.3	.0054	-99.2	.0318	-66.8	
	.50	.0714	-215.9	.0235	-9.3	.0930	-29.4		.50	.0153	-104.6	.0048	-97.1	.0105	71.9	
	.60	.0425	-181.0	.0251	1.5	.0676	-1.1		.60	.0162	-91.5	.0031	-103.3	.0131	91.4	
	.70	.0488	-174.4	.0302	6.2	.0789	5.8		.70	.0039	-107.1	.0021	251.9	.0018	74.1	
	.75	.0629	-169.9	.0344	8.7	.0973	9.6		.75	.0020	-130.8	.0023	251.1	.0009	-53.3	
	.85			.0381	14.3				.85							
	.90	.0134	-144.9						.90							
.95	.0086	-143.5	.0215	20.6	.0299	25.1	.95	.0010	-109.3							
CHORD 2	.05	.0058	-278.2	.0071	-57.0	.0121	-75.4	CHORD 7	.05	.0098	-279.9	.0086	-109.3	.0183	-104.3	
	.12	.0027	-260.8	.0070	-48.6	.0094	-57.5		.12	.0119	-280.5	.0063	-109.8	.0182	-103.7	
	.20	.0114	-265.3	.0094	-38.3	.0190	-64.3		.20	.0131	-276.6	.0057	-114.4	.0186	-102.0	
	.35	.0204	-254.9	.0138	-14.8	.0297	-51.2		.35	.1352	-261.1	.0041	-113.2	.1387	-82.0	
	.60	.0430	-169.5	.0239	6.0	.0669	8.9		.60	.0086	-101.3	.0023	-114.7	.0063	83.5	
	.75	.0547	-170.6	.0225	10.7	.0772	9.8		.75	.0005	-272.3	.0015	224.5	.0019	-125.1	
	.85	.0363	-164.2						.85	.0010	-285.8					
	.90	.0184	-154.7	.0135	20.6	.0318	23.3		.90	.0007	-266.6	.0094	-2.3	.0095	-6.5	
	.95	.0080	-138.2						.95	.0164	-60.7	.0015	208.2	.0165	124.5	
	CHORD 3	.05	.0089	83.8	.0073	-53.4	.0151		-77.1	CHORD 8	.05	.0084	80.8	.0089	-99.8	.0173
.12		.0072	78.4	.0087	-42.9	.0139	-69.2	.12	.0138		81.4	.0070	-98.3	.0208	-98.5	
.20		.0261	74.9	.0124	-38.9	.0331	-85.0	.20	.0143		83.0					
.75		.0449	-168.6	.0200	7.7	.0648	10.3	.75	.0007		-152.4	.0020	245.8	.0015	-97.6	
.85				.0049	50.4			.85								
.90		.0171	-158.5					.90								
CHORD 4	.05	.0065	94.2	.0096	-49.6	.0153	-64.1	CHORD 9	.05	.0130	70.3	.0096	-106.4	.0226	-108.3	
	.12	.0112	86.5	.0096	-44.0	.0189	-70.8		.12	.0158	71.6	.0075	250.6	.0233	-108.7	
	.20	.0049	85.0	.0127	-34.0	.0156	-49.9		.20	.0196	73.8	.0070	248.6	.0266	-107.6	
	.35	.0208	79.9	.0137	-23.3	.0274	-70.9		.35	.0218	-107.7	.0053	242.1	.0166	75.5	
	.60	.0405	-151.6	.0014	-94.4	.0397	26.7		.60	.0026	-128.7	.0023	235.3	.0003	18.7	
	.75	.0143	-152.3	.0040	-3.0	.0179	21.1		.75	.0014	84.8	.0013	227.0	.0026	-113.4	
	.85	.0076	-161.2	.0013	-1.3	.0088	15.9		.85	.0024	74.1					
	.95	.0026	-133.8	.0018	181.6	.0018	90.9		.95							
	CHORD 5	.05	.0162	-260.1	.0076	-71.9	.0238		-77.5							
		.12	.0110	-263.6	.0057	-67.8	.0166		-78.2							
.20		.0107	-263.7	.0058	-56.9	.0160	-74.3									
.35		.0333	-266.2	.0050	-46.7	.0373	-81.3									
.60		.0282	-88.2	.0029	-84.0	.0253	91.3									
.75		.0040	-107.1													
.85																
.95																





TABLE 7.- Continued

POINT NUMBER =548

MACH = .775  
Q = 8.245 KPA

RN = 4.685\*10E6  
K = .212

ALPHA = 2.47 DEG  
DELTA6 = 3.08 DEG

OSCILLATING DELTA6 (PEAK) = 6.06 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0237	-271.8	.0169	-60.1	.0391	-78.7	CHORD 6	.05	.0298	-270.0	.0231	266.6	.0529	-91.5	
	.12	.0221	-275.7	.0204	-50.2	.0393	-73.9		.12	.0425	-271.4	.0178	269.6	.0603	-91.1	
	.20	.0236	-273.2	.0262	-38.0	.0442	-64.0		.20	.0583	-271.9	.0148	271.9	.0731	-91.1	
	.30	.0275	-257.9	.0322	-30.2	.0547	-52.1		.30	.0935	-271.1	.0147	273.2	.1082	-90.5	
	.35	.0698	-256.8	.0353	-25.7	.0960	-60.2		.35	.2151	-258.9	.0144	272.8	.2294	-79.4	
	.45	.1427	-226.0	.0562	-12.7	.1921	-36.8		.45	.0447	-215.2	.0132	271.6	.0536	-46.5	
	.50	.1508	-210.6	.0679	-8.3	.2152	-23.8		.50	.0492	-100.7	.0123	270.6	.0372	75.6	
	.60	.1196	-179.9	.0729	-.8	.1925	-.3		.60	.0377	-90.8	.0089	270.9	.0287	88.7	
	.70	.1377	-175.1	.0880	5.3	.2257	5.1		.70	.0105	-98.7	.0059	269.3	.0047	71.1	
	.75	.1627	-173.8	.1007	7.1	.2634	6.6		.75	.0030	-104.8	.0064	275.2	.0037	-68.4	
	.85			.1041	13.6				.85							
	.90	.0481	-148.6						.90							
	.95	.0408	-156.0	.0590	22.6	.0999	23.1		.95	.0042	-150.1					
CHORD 2	.05	.0251	85.1	.0216	-57.1	.0442	-77.5	CHORD 7	.05	.0299	81.5	.0243	-99.4	.0542	-98.9	
	.12	.0115	83.1	.0212	-47.5	.0300	-64.4		.12	.0374	82.7	.0172	-99.0	.0545	-97.8	
	.20	.0288	77.7	.0293	-36.9	.0489	-69.3		.20	.0414	84.6	.0163	-99.3	.0576	-96.5	
	.35	.0840	101.6	.0431	-21.4	.1134	-59.8		.35	.3073	97.5	.0132	-100.1	.3200	-83.2	
	.60	.1174	188.3	.0727	.1	.1896	5.1		.60	.0248	257.0	.0064	-100.0	.0184	76.0	
	.75	.1457	187.8	.0680	7.6	.2137	7.7		.75	.0033	220.2	.0034	-100.1	.0023	-32.5	
	.85	.0984	197.0						.85	.0033	136.6					
	.90	.0522	207.7	.0407	20.6	.0927	24.6		.90	.0040	142.5	.0268	-5.9	.0303	-9.9	
	.95	.0344	203.0						.95	.0034	140.8	.0030	-126.0	.0047	-79.1	
	CHORD 3	.05	.0223	-273.5	.0209	-53.5	.0406		-74.2	CHORD 8	.05	.0225	-276.9	.0234	260.9	.0459
.12		.0173	-273.7	.0250	-44.7	.0386	-64.4	.12	.0369		-278.8	.0180	261.2	.0550	-98.8	
.20		.0733	-278.0	.0357	-41.9	.0979	-80.3	.20	.0400		-277.3					
.75		.1231	-170.3	.0562	8.3	.1793	9.3	.75	.0024		-161.2	.0042	260.1	.0037	-64.8	
.85				.0181	32.4			.85								
.90		.0532	-160.0					.90								
CHORD 4	.05	.0201	-264.6	.0272	-54.8	.0458	-67.4	CHORD 9	.05	.0341	-284.3	.0211	250.3	.0551	-106.3	
	.12	.0322	-270.7	.0283	-44.5	.0556	-69.2		.12	.0420	-284.0	.0158	250.1	.0578	-105.6	
	.20	.0164	-270.9	.0330	-32.5	.0439	-51.1		.20	.0648	-281.6	.0149	250.6	.0797	-103.1	
	.35	.1044	-259.2	.0374	-23.5	.1292	-65.4		.35	.0606	-111.4	.0118	250.7	.0488	68.1	
	.60	.1048	-153.7	.0056	-90.3	.1024	23.5		.60	.0036	-137.7	.0045	252.7	.0023	-54.2	
	.75	.0439	-157.0	.0105	-2.0	.0536	18.2		.75	.0026	-199.5	.0023	250.5	.0035	-60.7	
	.85	.0246	-160.6	.0030	7.0	.0276	18.0		.85	.0034	-266.7					
	.95	.0109	-154.3	.0056	-187.2	.0069	52.2		.95							
	CHORD 5	.05	.0472	97.8	.0256	-66.2	.0721		-76.6							
		.12	.0334	95.4	.0197	-63.9	.0523		-77.0							
.20		.0345	93.5	.0198	-61.8	.0531	-77.5									
.35		.1697	101.2	.0173	-55.3	.1857	-76.7									
.60		.0697	268.5	.0098	-74.5	.0604	85.8									
.75		.0065	245.4													
.95																



TABLE 7.- Continued

POINT NUMBER =554

MACH = .784  
Q = 8.448 KPA

RN = 4.699\*10E6  
K = .208

ALPHA = 2.47 DEG  
DELTA6 = 6.02 DEG

OSCILLATING DELTA6 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 10.00 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP		
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE	
CHORD 1	.05	.0118	71.9	.0100	-54.5	.0195	-83.6								
	.12	.0109	70.6	.0125	-38.6	.0191	-71.1	CHORD 6	.05	.0134	86.1	.0115	-93.1	.0249	-93.5
	.20	.0095	70.5	.0167	-28.0	.0204	-55.4		.12	.0166	85.4	.0089	-88.6	.0254	-92.5
	.30	.0103	86.0	.0205	-18.3	.0252	-41.7		.20	.0181	85.4	.0072	-85.6	.0252	-92.1
	.35	.0144	92.1	.0240	-17.5	.0319	-42.7		.30	.0235	83.6	.0064	-83.8	.0298	-93.7
	.45	.0403	110.9	.0367	-8.8	.0666	-40.5		.35	.0270	82.3	.0062	-81.9	.0330	-94.8
	.50	.0813	126.2	.0438	-2.6	.1140	-36.4		.45	.1001	93.2	.0060	-84.2	.1061	-86.6
	.60	.0937	-190.2	.0464	3.4	.1393	-5.7		.50	.2075	-246.8	.0057	-86.5	.2129	-67.3
	.70	.0735	-167.9	.0533	7.9	.1267	10.4		.60	.0127	-158.0	.0045	-89.0	.0119	1.3
	.75	.0800	-168.2	.0574	9.8	.1373	11.0		.70	.0198	-95.9	.0027	-92.5	.0171	83.5
	.85			.0637	16.1				.75	.0113	-94.8	.0028	-91.2	.0085	84.0
	.90	.0275	-138.3						.85						
	.95	.0459	-168.2	.0336	31.2	.0784	20.0		.90						
									.95	.0024	-154.8				
CHORD 2	.05	.0112	-271.7	.0100	-47.8	.0197	-71.1	CHORD 7	.05	.0137	-277.9	.0121	-106.5	.0257	-101.9
	.12	.0063	-275.7	.0111	-40.9	.0157	-60.2		.12	.0159	-278.8	.0082	-106.0	.0241	-101.2
	.20	.0236	-282.1	.0166	-30.7	.0329	-73.5		.20	.0149	-278.3	.0073	-106.2	.0222	-100.9
	.35	.0246	-272.8	.0246	-14.5	.0381	-53.7		.35	.0266	-278.4	.0067	-104.0	.0333	-99.6
	.60	.0900	-185.4	.0432	3.9	.1328	-2.4		.60	.0170	-98.5	.0035	-101.7	.0135	82.4
	.75	.0746	-161.9	.0334	13.8	.1079	16.8		.75	.0080	-97.2	.0019	-115.8	.0062	88.3
	.85	.0338	-126.2						.85	.0043	-99.3				
	.90	.0279	-129.3	.0152	-314.3	.0431	48.9		.90	.0040	-102.0	.0131	4.7	.0148	19.8
	.95	.0337	-168.1						.95	.0015	-109.5	.0024	-132.5	.0012	-162.6
CHORD 3	.05	.0096	80.9	.0119	-46.3	.0194	-69.6	CHORD 8	.05	.0110	80.1	.0102	-99.2	.0212	-99.6
	.12	.0100	76.9	.0146	-32.6	.0203	-60.3		.12	.0157	78.9	.0076	-98.8	.0234	-100.4
	.20	.0247	75.1	.0236	-27.0	.0375	-67.0		.20	.0167	79.1				
	.75	.0677	-161.4	.0276	14.9	.0953	17.5		.75	.0081	-108.6	.0022	-97.9	.0059	67.4
	.85			.0170	-208.0				.85						
	.90	.0269	-152.1						.90						
	.95			.0250	-189.8				.95						
CHORD 4	.05	.0093	99.2	.0168	-42.9	.0248	-56.2	CHORD 9	.05	.0159	66.8	.0106	249.0	.0265	-112.3
	.12	.0144	90.2	.0172	-32.4	.0278	-58.3		.12	.0182	68.4	.0082	247.5	.0263	-111.9
	.20	.0091	83.9	.0196	-26.2	.0243	-46.7		.20	.0214	70.8	.0083	249.7	.0297	-109.5
	.35	.0208	83.6	.0227	-11.2	.0321	-51.5		.35	.2235	89.6	.0058	257.0	.2292	-90.7
	.60	.1230	-187.7	.0015	-80.7	.1234	-8.3		.60	.0086	-108.3	.0015	242.4	.0072	73.6
	.75	.0307	-142.2	.0040	21.1	.0345	35.9		.75	.0022	-139.5	.0009	223.7	.0013	38.3
	.85	.0171	-149.7	.0017	-247.3	.0174	35.8		.85	.0021	-231.0				
	.95	.0087	-151.0	.0049	-192.1	.0060	61.6		.95						
CHORD 5	.05	.0210	-257.6	.0118	-60.6	.0325	-71.5								
	.12	.0142	-262.9	.0090	-54.9	.0225	-72.1								
	.20	.0123	-266.6	.0086	-53.4	.0200	-73.0								
	.35	.0255	-271.4	.0079	-60.9	.0326	-84.3								
	.60	.0779	-215.3	.0043	-81.0	.0810	-37.5								
	.75	.0206	-80.7												
	.85														
	.95														



TABLE 7.- Continued

POINT NUMBER =558

MACH = .785  
Q = 8.482 KPA

RN = 4.694\*10E6  
K = .104

ALPHA = 2.47 DEG  
DELTA9 = -.07 DEG

OSCILLATING DELTA9 (PEAK) = 2.05 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0034	92.8	.0007	252.8	.0041	-90.4	CHORD 6	.05	.0060	144.8	.0113	-20.4	.0172	-25.5	
	.12	.0031	144.3	.0008	183.3	.0025	-46.8		.12	.0078	140.9	.0123	-16.4	.0197	-25.2	
	.20	.0024	140.4	.0001	318.4	.0025	-39.7		.20	.0070	141.2	.0136	-12.6	.0201	-21.5	
	.30	.0015	119.9	.0014	-1.8	.0025	-32.1		.30	.0094	137.9	.0175	-7.9	.0258	-19.7	
	.35	.0043	134.8	.0012	306.6	.0055	-47.0		.35	.0159	134.3	.0202	-6.0	.0340	-23.4	
	.45	.0085	142.7	.0026	218.1	.0083	-54.8		.45	.1890	161.3	.0265	-4.5	.2147	-17.0	
	.50	.0072	140.9	.0023	268.6	.0088	-51.1		.50	.0594	171.4	.0309	-2.0	.0902	-6.3	
	.60	.0033	202.2	.0012	244.5	.0025	2.8		.60	.0329	200.3	.0343	.7	.0663	10.3	
	.70	.0015	52.9	.0003	96.9	.0013	-136.4		.70	.0501	188.8	.0342	2.2	.0842	6.1	
	.75	.0020	82.5	.0004	122.8	.0017	-105.5		.75	.0559	187.5	.0277	2.2	.0836	5.7	
	.85			.0004	21.1				.85							
	.90	.0017	93.1						.90							
	.95	.0014	103.1	.0007	99.1	.0007	-73.1		.95	.0108	186.6					
CHORD 2	.05	.0014	69.3	.0012	-94.1	.0025	-103.2	CHORD 7	.05	.0121	153.5	.0157	-19.2	.0277	-22.4	
	.12	.0012	53.3	.0011	251.1	.0022	-118.3		.12	.0156	151.4	.0139	-14.4	.0292	-21.9	
	.20	.0025	81.1	.0002	-43.0	.0026	-95.8		.20	.0123	147.0	.0160	-8.0	.0276	-18.8	
	.35	.0038	60.9	.0019	166.3	.0047	-141.8		.35	.0897	152.9	.0206	-5.4	.1091	-23.1	
	.60	.0042	197.7	.0003	-48.8	.0043	14.0		.60	.0246	-148.6	.0253	-.3	.0480	15.3	
	.75	.0006	-71.4	.0003	106.3	.0009	107.8		.75	.0349	186.4	.0162	.7	.0511	4.6	
	.85	.0006	13.7						.85	.0198	169.8					
	.90	.0004	91.4	.0013	126.1	.0010	138.7		.90	.0127	182.1	.0006	115.5	.0125	4.5	
	.95	.0005	109.4						.95	.0089	172.0	.0072	183.5	.0023	-45.8	
CHORD 3	.05	.0016	38.8	.0003	70.4	.0013	-148.6	CHORD 8	.05	.0079	149.3	.0161	-15.3	.0238	-20.4	
	.12	.0012	55.5	.0011	29.7	.0005	-62.2		.12	.0126	149.1	.0150	-11.3	.0271	-20.2	
	.20	.0050	144.8	.0011	-18.6	.0061	-32.2		.20	.0119	148.5					
	.75	.0027	84.2	.0004	167.6	.0027	-105.2		.75	.0211	190.0	.0123	-.2	.0333	6.2	
	.85			.0006	172.6				.85							
	.90	.0010	101.6						.90							
.95			.0007	159.7			.95									
CHORD 4	.05	.0006	104.1	.0011	302.6	.0017	-63.6	CHORD 9	.05	.0164	152.3	.0127	-20.7	.0291	-24.6	
	.12	.0011	48.4	.0016	315.6	.0020	-78.7		.12	.0189	151.9	.0103	-19.9	.0291	-25.2	
	.20	.0008	112.3	.0012	-6.3	.0018	-30.7		.20	.0233	152.1	.0102	-18.7	.0334	-25.1	
	.35	.0025	126.1	.0026	206.0	.0033	-105.3		.35	.0492	175.3	.0094	-14.1	.0584	-6.2	
	.60	.0050	200.7	.0081	3.2	.0130	9.9		.60	.0038	-17.9	.0028	-17.1	.0010	159.8	
	.75	.0027	33.1	.0003	252.8	.0030	-142.9		.75	.0018	124.3	.0007	-9.4	.0024	-42.7	
	.85	.0010	94.4	.0004	185.3	.0011	-106.1		.85	.0032	144.3					
	.95	.0008	161.3	.0002	137.2	.0006	-10.0		.95							
	CHORD 5	.05	.0028	89.4	.0029	-77.0	.0056		-83.6							
.12		.0020	86.3	.0021	-68.5	.0040	-80.9									
.20		.0016	87.2	.0017	-48.4	.0030	-69.8									
.35		.0049	102.9	.0028	-33.3	.0072	-61.7									
.60		.0123	202.9	.0020	-13.8	.0139	18.0									
.75		.0045	-151.1													
.95																



TABLE 7.- Continued

POINT NUMBER =562

MACH = .785  
Q = 8.499 KPA

RN = 4.694\*10E6  
K = .312

ALPHA = 2.47 DEG  
DELTA9 = -.08 DEG

OSCILLATING DELTA9 (PEAK) = 2.07 DEG  
OSCILLATING FREQUENCY = 14.99 HZ

X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
	MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0047	261.1	.0008	118.9	.0053	86.1	CHORD 6	.05	.0046	-253.8	.0050	-41.8	.0092	-57.2
	.12	.0029	-90.6	.0011	131.9	.0038	100.3		.12	.0059	-268.6	.0068	-25.5	.0109	-54.6
	.20	.0023	-59.2	.0009	199.7	.0026	141.4		.20	.0053	-289.5	.0090	-16.7	.0102	-48.1
	.30	.0028	-47.5	.0010	124.1	.0038	130.2		.30	.0085	-302.0	.0133	-9.6	.0128	-47.4
	.35	.0039	-38.6	.0002	157.7	.0040	142.1		.35	.0176	-310.1	.0162	-6.6	.0161	-72.7
	.45	.0121	-1.2	.0013	232.6	.0129	-176.7		.45	.1380	-249.0	.0229	-4.2	.1492	-61.0
	.50	.0115	29.9	.0004	50.5	.0111	-150.9		.50	.0471	-206.0	.0281	-1.0	.0735	-16.7
	.60	.0044	66.6	.0009	-35.5	.0047	-103.0		.60	.0580	-169.7	.0323	2.7	.0900	7.6
	.70	.0031	72.3	.0007	-93.2	.0038	-105.1		.70	.0610	-169.2	.0327	6.0	.0936	9.1
	.75	.0028	84.4	.0004	-28.5	.0029	-88.9		.75	.0628	-169.3	.0263	8.7	.0891	10.1
	.85			.0003	168.1				.85						
	.90	.0030	103.4						.90						
	.95	.0026	106.2	.0009	148.0	.0021	-90.7		.95	.0108	-174.6				
CHORD 2	.05	.0015	-94.3	.0008	43.0	.0022	70.3	CHORD 7	.05	.0081	95.6	.0112	-33.3	.0175	-54.5
	.12	.0004	-87.5	.0002	95.7	.0006	93.3		.12	.0106	86.3	.0107	-21.1	.0172	-57.1
	.20	.0022	-63.7	.0017	35.9	.0030	82.2		.20	.0098	79.0	.0139	-14.0	.0174	-48.3
	.35	.0062	-32.6	.0007	207.6	.0065	152.7		.35	.0805	109.6	.0192	-9.6	.0915	-59.9
	.60	.0060	94.3	.0004	42.6	.0058	-82.7		.60	.0421	-148.3	.0250	4.0	.0652	21.5
	.75	.0035	105.3	.0005	175.6	.0033	-82.3		.75	.0404	-164.6	.0162	9.4	.0565	13.7
	.85	.0021	113.4						.85	.0152	-173.7				
	.90	.0021	124.9	.0004	62.1	.0019	-45.0		.90	.0116	-169.1	.0006	15.3	.0121	11.1
	.95	.0015	124.4						.95	.0061	-196.4	.0085	171.3	.0026	-170.2
CHORD 3	.05	.0030	-79.9	.0014	177.3	.0036	122.8	CHORD 8	.05	.0064	-257.0	.0098	-38.0	.0153	-53.2
	.12	.0029	-72.0	.0013	166.0	.0038	124.7		.12	.0101	-264.1	.0096	-29.1	.0175	-57.3
	.20	.0091	-71.0	.0017	232.3	.0083	119.0		.20	.0105	-271.2				
	.75	.0044	110.8	.0002	229.8	.0045	-70.9		.75	.0249	-166.9	.0106	10.3	.0355	12.3
	.85			.0002	120.7				.85						
	.90	.0032	135.5						.90						
	.95			.0003	202.9				.95						
CHORD 4	.05	.0021	-82.6	.0010	176.8	.0025	121.1	CHORD 9	.05	.0130	-255.1	.0073	-67.4	.0203	-72.3
	.12	.0034	-72.1	.0012	190.7	.0038	126.8		.12	.0162	-258.9	.0056	-60.0	.0215	-74.1
	.20	.0018	-54.6	.0021	200.9	.0030	166.6		.20	.0214	-260.5	.0052	-55.6	.0262	-75.8
	.35	.0051	-61.9	.0009	206.6	.0052	128.6		.35	.0160	-187.1	.0047	-58.3	.0193	-18.0
	.60	.0132	95.3	.0078	25.0	.0129	-49.8		.60	.0056	-146.8	.0020	-70.8	.0054	12.0
	.75	.0052	114.6	.0004	-54.6	.0057	-64.6		.75	.0029	-189.8	.0008	-116.4	.0028	-26.2
	.85	.0035	125.7	.0005	-100.9	.0039	-59.7		.85	.0035	-232.6				
	.95	.0023	129.3	.0004	212.4	.0023	-59.8		.95						
CHORD 5	.05	.0060	2.1	.0015	-80.7	.0059	-163.7								
	.12	.0039	2.2	.0014	-65.4	.0036	-157.1								
	.20	.0042	3.4	.0013	-57.1	.0037	-158.6								
	.35	.0083	-14.1	.0023	-20.9	.0060	168.5								
	.60	.0190	-213.5	.0022	15.5	.0205	-28.8								
	.75	.0082	-185.3												
	.85														
	.95														





TABLE 7.- Continued

POINT NUMBER =566

MACH = .786  
Q = 8.537 KPA

RN = 4.691\*10E6  
K = .207

ALPHA = 2.47 DEG  
DELTA9 = -.10 DEG

OSCILLATING DELTA9 (PEAK) = 4.05 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0032	16.4	.0011	267.1	.0037	-147.6	CHORD 6	.05	.0109	94.7	.0166	-29.4	.0244	-51.0		
	.12	.0047	13.0	.0008	209.3	.0055	-164.7		.12	.0142	91.3	.0195	-20.9	.0281	-48.8		
	.20	.0049	18.2	.0015	163.2	.0062	-169.9		.20	.0142	82.5	.0234	-13.6	.0286	-43.3		
	.30	.0035	31.9	.0037	-12.1	.0027	-76.0		.30	.0206	78.4	.0310	-9.2	.0366	-43.6		
	.35	.0065	13.8	.0024	-29.8	.0051	-146.9		.35	.0381	79.8	.0356	-7.9	.0511	-56.0		
	.45	.0137	50.6	.0033	233.8	.0170	-128.8		.45	.2667	134.5	.0487	-5.3	.3056	-39.6		
	.50	.0127	76.8	.0022	314.8	.0140	-95.5		.50	.0941	159.9	.0588	-3.2	.1514	-13.6		
	.60	.0060	126.3	.0030	2.9	.0081	-35.8		.60	.0909	197.4	.0670	.2	.1561	9.9		
	.70	.0030	92.3	.0015	-3.5	.0035	-63.1		.70	.1076	192.5	.0682	2.3	.1751	8.5		
	.75	.0027	89.1	.0011	9.0	.0028	-67.5		.75	.1127	189.0	.0545	4.3	.1671	7.5		
	.85			.0007	2.2				.85								
	.90	.0021	147.3						.90								
	.95	.0015	136.6	.0002	-8.6	.0016	-40.2		.95	.0222	185.8						
	CHORD 2	.05	.0040	18.0	.0010	286.5	.0042		-147.4	CHORD 7	.05	.0190	121.6	.0250	329.3	.0428	-42.6
.12		.0026	16.7	.0012	297.6	.0027	-136.3	.12	.0256		115.5	.0231	336.5	.0456	-45.1		
.20		.0055	-2.7	.0009	272.5	.0055	-173.1	.20	.0215		110.9	.0285	-16.5	.0450	-38.9		
.35		.0091	30.6	.0030	265.5	.0111	-136.7	.35	.1748		131.5	.0379	-12.7	.2067	-42.3		
.60		.0036	119.9	.0008	297.2	.0044	-60.5	.60	.0619		-144.8	.0498	-1.0	.1062	19.1		
.75		.0036	125.9	.0009	323.6	.0045	-50.5	.75	.0734		190.3	.0328	2.7	.1060	8.0		
.85		.0025	131.6					.85	.0344		182.3						
.90		.0021	141.5	.0005	247.8	.0023	-51.3	.90	.0170		-167.5	.0009	288.0	.0171	9.5		
.95		.0010	135.5					.95	.0058		184.0	.0138	178.0	.0081	173.7		
CHORD 3		.05	.0034	24.2	.0022	190.4	.0056	-161.3	CHORD 8		.05	.0133	119.6	.0245	-28.8	.0364	-39.8
	.12	.0036	14.6	.0014	190.3	.0051	-166.6	.12		.0212	113.2	.0239	-22.1	.0416	-43.0		
	.20	.0159	17.0	.0036	-34.8	.0140	-151.3	.20		.0215	106.9						
	.75	.0037	115.1	.0003	-25.1	.0039	-62.4	.75		.0453	191.3	.0244	3.0	.0695	8.4		
	.85			.0004	69.6			.85									
	.90	.0030	151.3					.90									
CHORD 4	.05	.0040	14.9	.0023	266.1	.0052	-140.9	CHORD 9	.05	.0292	125.9	.0203	-43.4	.0493	-49.7		
	.12	.0059	20.6	.0023	294.5	.0062	-137.4		.12	.0341	123.6	.0166	-38.2	.0501	-50.4		
	.20	.0027	24.7	.0014	.5	.0016	-133.7		.20	.0443	121.8	.0162	-34.5	.0595	-51.9		
	.35	.0108	16.9	.0027	-4.9	.0083	-156.1		.35	.0513	154.5	.0135	-27.6	.0648	-25.9		
	.60	.0117	152.4	.0154	18.2	.0250	-1.4		.60	.0055	261.7	.0046	-33.4	.0054	32.1		
	.75	.0057	143.0	.0006	73.4	.0056	-31.6		.75	.0043	172.8	.0011	-36.9	.0052	-13.1		
	.85	.0037	144.4	.0008	19.7	.0042	-26.9		.85	.0045	127.3						
	.95	.0012	152.9	.0006	43.6	.0016	-4.5		.95								
	CHORD 5	.05	.0089	39.1	.0042	259.3	.0124		-128.2								
		.12	.0060	36.7	.0035	274.8	.0084		-122.6								
.20		.0064	35.6	.0039	281.4	.0088	-120.2										
.35		.0146	34.3	.0039	303.8	.0152	-130.8										
.60		.0249	174.8	.0041	-20.2	.0289	-7.2										
.75		.0128	176.4														
.95																	



TABLE 7.- Continued

POINT NUMBER =570

MACH = .780  
Q = 8.441 KPA

RN = 4.682\*10E6  
K = .105

ALPHA = 2.47 DEG  
DELTA9 = -.12 DEG

OSCILLATING DELTA9 (PEAK) = 6.02 DEG  
OSCILLATING FREQUENCY = 5.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0015	113.7	.0011	-51.1	.0026	-59.8	CHORD 6	.05	.0191	142.5	.0310	-20.4	.0496	-26.9		
	.12	.0014	-154.8	.0007	-48.7	.0017	3.7		.12	.0250	141.0	.0331	-16.3	.0570	-26.0		
	.20	.0014	-226.0	.0027	-22.8	.0040	-30.7		.20	.0244	137.5	.0369	-12.6	.0593	-24.4		
	.30	.0024	-234.8	.0022	-21.6	.0044	-39.0		.30	.0525	136.4	.0488	-9.0	.0966	-27.0		
	.35	.0032	-225.7	.0022	-12.9	.0052	-32.4		.35	.2097	150.7	.0566	-7.4	.2632	-24.7		
	.45	.0107	-215.6	.0028	-44.2	.0135	-37.4		.45	.1704	166.4	.0771	-4.2	.2468	-10.7		
	.50	.0050	-237.2	.0018	-102.2	.0065	-68.9		.50	.0750	193.5	.0914	-2.3	.1649	4.8		
	.60	.0029	-193.7	.0010	-62.1	.0036	-25.3		.60	.1050	190.4	.1036	-.2	.2077	5.2		
	.70	.0043	-176.5	.0009	-47.6	.0049	-4.3		.70	.1415	186.2	.1044	1.3	.2457	4.1		
	.75	.0030	-187.6	.0004	-24.6	.0034	-9.6		.75	.1521	185.0	.0818	-357.6	.2338	4.1		
	.85			.0006	-5.5				.85								
	.90	.0017	-229.5						.90								
	.95	.0015	-240.3	.0013	10.8	.0023	-28.1		.95	.0434	182.2						
CHORD 2	.05	.0011	-289.2	.0024	-79.4	.0034	-88.8	CHORD 7	.05	.0342	-206.3	.0454	-17.5	.0793	-21.3		
	.12	.0005	-217.8	.0024	-70.1	.0029	-64.9		.12	.0444	-208.1	.0415	-14.1	.0852	-21.3		
	.20	.0022	-260.5	.0027	-70.3	.0049	-74.8		.20	.0420	-210.9	.0478	-11.3	.0885	-20.5		
	.35	.0059	-247.8	.0043	-42.0	.0100	-57.0		.35	.3393	-199.3	.0635	-8.4	.4019	-17.5		
	.60	.0039	-189.5	.0021	-63.4	.0054	-28.1		.60	.0706	-161.6	.0789	-1.3	.1473	8.0		
	.75	.0019	-247.4	.0018	-67.0	.0037	-67.2		.75	.1058	-175.4	.0538	.1	.1594	3.1		
	.85	.0006	-103.5						.85	.0638	-177.4						
	.90	.0012	-100.2	.0015	-107.1	.0004	-128.7		.90	.0233	-170.8	.0015	-48.5	.0241	6.2		
	.95	.0016	-101.4						.95	.0124	-174.7	.0095	188.9	.0030	-6.0		
	CHORD 3	.05	.0035	98.9	.0023	-79.6	.0058		-80.5	CHORD 8	.05	.0274	151.8	.0459	-17.2	.0729	-21.3
.12		.0021	108.9	.0031	-62.7	.0052	-66.1	.12	.0419		148.9	.0430	-13.8	.0839	-22.4		
.20		.0043	-196.6	.0049	-44.8	.0090	-31.7	.20	.0407		147.3						
.75		.0021	-184.6	.0011	-5.6	.0031	-4.9	.75	.0662		186.1	.0379	1.3	.1041	4.3		
.85				.0001	9.5			.85									
.90		.0019	-146.8					.90									
.95				.0002	-24.9			.95									
CHORD 4	.05	.0025	90.6	.0032	-57.0	.0055	-70.9	CHORD 9	.05	.0520	153.0	.0364	-23.2	.0884	-25.5		
	.12	.0042	94.4	.0033	-43.1	.0069	-67.2		.12	.0629	152.5	.0299	-22.0	.0927	-25.7		
	.20	.0014	107.5	.0039	-29.0	.0050	-39.8		.20	.1984	154.1	.0282	-20.9	.2265	-25.3		
	.35	.0057	-234.1	.0036	-17.3	.0089	-40.0		.35	.0451	-38.0	.0249	-17.2	.0236	119.9		
	.60	.0071	-182.5	.0248	6.3	.0318	4.4		.60	.0060	-124.0	.0093	-16.8	.0125	10.7		
	.75	.0031	-163.6	.0016	-12.5	.0046	6.8		.75	.0094	161.0	.0035	-22.6	.0130	-20.0		
	.85	.0023	-152.0	.0022	-13.6	.0042	7.9		.85	.0103	153.2						
	.95	.0012	-156.4	.0014	-12.1	.0025	4.4		.95								
	CHORD 5	.05	.0087	-252.3	.0076	-50.9	.0160		-62.4								
		.12	.0052	-258.7	.0072	-37.2	.0116		-54.6								
.20		.0054	-264.7	.0085	-33.8	.0127	-53.2										
.35		.0210	-254.2	.0096	-34.1	.0290	-61.9										
.60		.0189	-172.6	.0092	-20.0	.0274	-1.5										
.75		.0143	-173.8														
.95																	



TABLE 7.- Continued

POINT NUMBER =574

MACH = .781  
Q = 8.468 KPA

RN = 4.684\*10E6  
K = .313

ALPHA = 2.47 DEG  
DELTA9 = -.11 DEG

OSCILLATING DELTA9 (PEAK) = 6.00 DEG  
OSCILLATING FREQUENCY = 15.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP				
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE			
CHORD 1	.05	.0075	257.4	.0025	191.3	.0069	97.0	CHORD 6	.05	.0145	69.8	.0205	45.9	.0299	-71.9		
	.12	.0078	259.7	.0018	-162.6	.0072	92.9		.12	.0198	62.0	.0246	-32.5	.0328	-69.5		
	.20	.0061	283.8	.0013	-156.1	.0060	115.9		.20	.0199	57.1	.0305	22.0	.0331	-58.1		
	.30	.0074	308.9	.0010	-54.4	.0063	129.5		.30	.0358	55.8	.0429	-13.6	.0452	-61.6		
	.35	.0178	297.3	.0007	-110.8	.0174	118.9		.35	.1360	96.3	.0505	-10.4	.1581	-65.9		
	.45	.0276	-12.7	.0008	-51.5	.0269	168.5		.45	.1738	-228.4	.0709	4.3	.2301	-36.0		
	.50	.0217	22.6	.0011	-132.1	.0228	-156.2		.50	.1184	-184.6	.0882	-1.6	.2045	-3.3		
	.60	.0119	59.4	.0002	-164.8	.0120	-121.4		.60	.1516	-169.3	.1001	2.2	.2511	7.3		
	.70	.0070	76.9	.0006	96.0	.0065	-104.8		.70	.1602	-167.9	.1007	4.9	.2604	9.3		
	.75	.0061	80.4	.0006	85.8	.0054	-100.3		.75	.1573	-167.9	.0785	8.1	.2356	10.8		
	.85			.0003	39.4				.85								
.90	.0034	88.6					.90										
.95	.0027	78.1	.0004	44.4	.0024	-96.7	.95	.0458	-169.3								
CHORD 2	.05	.0056	-68.8	.0025	159.9	.0075	125.6	CHORD 7	.05	.0235	96.7	.0309	39.9	.0506	-58.5		
	.12	.0028	-77.6	.0021	170.1	.0041	131.0		.12	.0347	91.2	.0302	28.9	.0563	-61.1		
	.20	.0089	-75.1	.0012	-127.2	.0082	111.6		.20	.0305	83.5	.0372	20.6	.0535	-54.2		
	.35	.0123	-60.9	.0008	-96.5	.0116	121.4		.35	.3120	117.1	.0519	10.7	.3462	-56.1		
	.60	.0144	82.4	.0010	-84.3	.0154	-96.8		.60	.1122	206.6	.0730	1.9	.1811	16.9		
	.75	.0066	93.2	.0006	204.6	.0068	-91.7		.75	.1104	191.4	.0485	8.0	.1589	10.3		
	.85	.0045	104.9						.85	.0576	192.8						
	.90	.0038	115.5	.0010	157.6	.0031	-76.6		.90	.0252	205.7	.0001	78.1	.0253	26.0		
	.95	.0026	125.8						.95	.0107	195.8	.0160	166.0	.0086	127.7		
	CHORD 3	.05	.0051	278.6	.0013	188.1	.0053		113.2	CHORD 8	.05	.0204	98.4	.0315	-36.3	.0481	-59.9
		.12	.0051	276.7	.0021	-156.3	.0049		120.9		.12	.0322	90.6	.0318	-26.4	.0546	-58.2
.20		.0251	269.4	.0018	-155.1	.0244	93.3	.20	.0327		87.9						
.75		.0076	91.1	.0010	8.1	.0076	-81.2	.75	.0701		-164.9	.0342	7.8	.1042	12.7		
.85				.0021	44.1			.85									
.90		.0048	117.3					.90									
.95			.0009	94.9			.95										
CHORD 4	.05	.0039	303.6	.0020	181.4	.0052	142.4	CHORD 9	.05	.0412	102.1	.0249	-61.7	.0655	-71.8		
	.12	.0075	295.2	.0017	-111.7	.0065	125.8		.12	.0503	100.9	.0195	-53.6	.0685	-72.1		
	.20	.0046	307.5	.0018	-105.2	.0038	150.2		.20	.1168	-243.8	.0183	-47.0	.1344	-61.5		
	.35	.0182	288.8	.0023	-17.5	.0169	102.5		.35	.0533	-97.3	.0171	39.1	.0466	64.5		
	.60	.0260	89.1	.0239	26.1	.0262	-36.4		.60	.0144	-141.2	.0055	-41.9	.0162	19.3		
	.75	.0098	113.0	.0006	14.4	.0099	-63.7		.75	.0067	-182.7	.0017	-63.8	.0077	-13.6		
	.85	.0068	119.5	.0002	11.5	.0069	-58.6		.85	.0066	-239.8						
	.95	.0036	131.6	.0024	19.1	.0051	-22.5		.95								
	CHORD 5	.05	.0115	-15.0	.0020	209.3	.0130		171.2								
.12		.0082	-18.7	.0024	-75.4	.0072	177.7										
.20		.0094	-20.5	.0032	-59.6	.0072	175.7										
.35		.0270	-31.6	.0044	-20.2	.0228	146.2										
.60		.0533	141.9	.0059	-7.0	.0584	-35.2										
.75		.0233	168.0														
.95																	



TABLE 7.- Continued

POINT NUMBER =581

MACH = .780  
Q = 8.462 KPA

RN = 4.699\*10E6  
K = .209

ALPHA = 2.47 DEG  
DELTA9 = 3.01 DEG

OSCILLATING DELTA9 (PEAK) = 4.02 DEG  
OSCILLATING FREQUENCY = 9.99 HZ

	UPPER CP				LOWER CP				DELTA CP				X/C	UPPER CP				LOWER CP				DELTA CP			
	X/C	MAG	PHASE		MAG	PHASE		MAG	PHASE		MAG	PHASE			X/C	MAG	PHASE		MAG	PHASE		MAG	PHASE		MAG
CHORD 1	.05	.0064	-295.9	.0007	-117.8	.0072	-116.1	CHORD 6	.05	.0092	-251.4	.0147	-31.4	.0225	-46.5										
	.12	.0055	-304.5	.0010	-94.4	.0063	-120.2		.12	.0121	-256.7	.0174	-23.2	.0265	-44.8										
	.20	.0042	-313.1	.0010	-87.9	.0050	-125.0		.20	.0123	-266.1	.0208	-16.8	.0277	-41.5										
	.30	.0035	-328.4	.0010	-75.2	.0039	-133.7		.30	.0196	-267.0	.0279	-11.3	.0378	-41.4										
	.35	.0090	-328.8	.0008	-78.4	.0093	-144.1		.35	.0414	-265.3	.0320	-8.7	.0579	-52.8										
	.45	.0109	-284.2	.0015	-140.1	.0121	-108.4		.45	.1728	-221.0	.0433	-3.9	.2091	-33.8										
	.50	.0102	-267.1	.0025	-73.8	.0127	-84.5		.50	.0584	-179.7	.0518	.8	.1102	.2										
	.60	.0040	-256.2	.0010	-77.3	.0051	-76.5		.60	.0733	-157.9	.0612	1.9	.1325	12.9										
	.70	.0039	-236.3	.0005	-76.2	.0044	-58.5		.70	.0663	-160.6	.0581	4.2	.1233	12.3										
	.75	.0037	-252.5	.0006	-49.5	.0043	-69.3		.75	.0599	-163.1	.0381	7.7	.0977	13.3										
	.85			.0005	-18.5				.85																
	.90	.0022	-225.1						.90																
	.95	.0010	-227.5	.0001	-235.8	.0009	-46.7		.95	.0681	-175.2														
CHORD 2	.05	.0028	16.0	.0027	-109.2	.0049	-137.2	CHORD 7	.05	.0167	-233.0	.0208	-22.6	.0362	-36.1										
	.12	.0006	-311.1	.0017	-82.7	.0021	-94.1		.12	.0211	-238.0	.0194	-16.3	.0378	-38.0										
	.20	.0037	-1.8	.0026	-2.7	.0011	-179.5		.20	.0189	-244.0	.0234	-11.5	.0380	-34.8										
	.35	.0042	19.9	.0015	-94.7	.0050	-144.0		.35	.1697	-232.6	.0292	-4.6	.1905	-46.1										
	.60	.0059	-232.7	.0016	30.2	.0063	-38.0		.60	.0466	-143.3	.0397	4.9	.0831	22.1										
	.75	.0013	-290.0	.0007	37.5	.0008	-81.0		.75	.0483	-168.1	.0194	9.8	.0677	11.3										
	.85	.0013	-228.9						.85	.0074	-32.2														
	.90	.0014	-216.7	.0009	-202.0	.0006	-59.6		.90	.0145	-17.8	.0009	5.2	.0137	160.7										
	.95	.0011	-216.2						.95	.0118	-176.8	.0218	-185.9	.0103	163.6										
CHORD 3	.05	.0037	-312.8	.0010	-112.0	.0046	-128.4	CHORD 8	.05	.0134	-233.5	.0208	-27.9	.0334	-37.9										
	.12	.0037	-317.4	.0006	-119.1	.0043	-134.7		.12	.0197	-240.0	.0203	-21.1	.0377	-40.3										
	.20	.0118	-318.7	.0022	-88.7	.0132	-131.5		.20	.0191	-245.8														
	.75	.0043	-244.4	.0006	-1.9	.0046	-58.0		.75	.0300	-161.1	.0162	4.0	.0459	13.7										
	.85			.0006	-237.2				.85																
	.90	.0021	-215.2						.90																
	.95			.0008	-263.7				.95																
CHORD 4	.05	.0037	-332.5	.0023	-87.5	.0052	-128.3	CHORD 9	.05	.0232	-236.2	.0169	-41.4	.0398	-50.0										
	.12	.0052	-330.1	.0024	-84.3	.0066	-130.5		.12	.0273	-236.7	.0134	-38.5	.0402	-50.7										
	.20	.0028	-324.1	.0020	-79.8	.0041	-117.5		.20	.0383	-235.2	.0135	-37.7	.0513	-50.7										
	.35	.0110	-326.0	.0013	-51.7	.0110	-139.2		.35	.0323	-183.5	.0111	-35.7	.0421	-11.6										
	.60	.0094	-226.4	.0105	-333.4	.0159	-7.6		.60	.0086	-107.7	.0038	-43.0	.0078	46.5										
	.75	.0048	-225.8	.0009	-36.8	.0057	-44.5		.75	.0041	-163.1	.0013	-62.6	.0045	.3										
	.85	.0033	-221.3	.0004	-18.2	.0037	-38.8		.85	.0046	-211.5														
	.95	.0017	-221.5	.0047	-321.7	.0052	20.0		.95																
CHORD 5	.05	.0072	-304.2	.0032	-77.9	.0097	-110.4																		
	.12	.0043	-308.2	.0034	-51.8	.0061	-95.7																		
	.20	.0043	-312.3	.0039	-42.5	.0058	-90.6																		
	.35	.0160	-316.4	.0049	-13.9	.0140	-119.3																		
	.60	.0172	-185.2	.0048	4.4	.0220	-3.1																		
	.75	.0096	-192.2																						
	.85																								
	.95																								





TABLE 7.- Continued

POINT NUMBER =587

MACH = .778  
Q = 8.439 KPARN = 4.675\*10E6  
K = .209ALPHA = 2.47 DEG  
DELTA9 = -3.09 DEGOSCILLATING DELTA9 (PEAK) = 1.99 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0037	40.4	.0008	229.1	.0045	-138.2	CHORD 6	.05	.0073	-259.4	.0114	32.6	.0173	-50.6	
	.12	.0029	-278.8	.0011	301.4	.0038	-88.1		.12	.0108	-263.1	.0126	-25.2	.0204	-51.7	
	.20	.0042	-271.4	.0030	302.5	.0069	-77.5		.20	.0109	-267.0	.0141	-16.5	.0204	-46.6	
	.30	.0040	-296.9	.0017	289.2	.0054	-103.6		.30	.0645	-261.8	.0184	-11.4	.0728	-68.1	
	.35	.0034	-271.9	.0010	269.1	.0043	-91.7		.35	.1736	-229.2	.0211	-10.5	.1906	-45.2	
	.45	.0074	-254.2	.0037	-19.5	.0100	-56.8		.45	.0382	-159.5	.0285	-8.3	.0646	8.3	
	.50	.0056	-226.4	.0034	-20.1	.0088	-36.6		.50	.0397	-161.9	.0339	-5.5	.0721	7.3	
	.60	.0017	-236.1	.0009	290.9	.0026	-60.8		.60	.0517	-169.5	.0377	-2	.0890	6.0	
	.70	.0025	-231.6	.0005	-27.4	.0030	-47.8		.70	.0613	-173.2	.0397	3.4	.1009	5.5	
	.75	.0026	-241.7	.0005	-24.3	.0031	-55.6		.75	.0667	-173.1	.0345	5.0	.1012	6.2	
	.85			.0001	-38.8				.85							
	.90	.0005	-255.8						.90							
	.95	.0011	-273.0	.0007	110.3	.0005	-125.0		.95	.0034	-12.8					
CHORD 2	.05	.0040	33.1	.0009	-64.2	.0042	-134.5	CHORD 7	.05	.0123	-235.7	.0150	37.5	.0269	-45.7	
	.12	.0016	32.2	.0004	-40.4	.0015	-132.1		.12	.0194	-236.5	.0130	-29.7	.0316	-45.8	
	.20	.0021	19.9	.0004	238.7	.0025	-153.8		.20	.0176	-242.9	.0156	-22.1	.0312	-43.8	
	.35	.0049	15.4	.0012	185.1	.0061	-166.6		.35	.0786	-208.6	.0198	-11.8	.0976	-25.2	
	.60	.0032	-205.2	.0001	-49.3	.0033	-26.2		.60	.0367	-167.1	.0286	1.8	.0650	8.0	
	.75	.0018	-235.4	.0006	101.0	.0013	-45.4		.75	.0449	-172.8	.0208	8.3	.0656	7.6	
	.85	.0007	-274.9						.85	.0457	-178.2					
	.90	.0005	45.7	.0007	101.1	.0006	148.2		.90	.0193	-173.0	.0004	101.4	.0192	8.2	
	.95	.0001	-16.3						.95	.0109	43.9	.0085	-5.9	.0084	-86.2	
	CHORD 3	.05	.0035	-302.5	.0007	249.7	.0042		-120.5	CHORD 8	.05	.0103	-243.4	.0161	31.8	.0255
.12		.0025	-285.0	.0014	292.5	.0037	-91.7	.12	.0172		-248.4	.0158	-26.3	.0308	-48.3	
.20		.0079	-282.7	.0025	285.5	.0101	-96.0	.20	.0182		-246.0					
.75		.0022	-215.3	.0009	-27.4	.0030	-33.0	.75	.0278		-171.8	.0156	5.3	.0434	7.2	
.85				.0010	-22.4			.85								
.90		.0015	-199.1					.90								
.95			.0009	-24.6			.95									
CHORD 4	.05	.0027	44.1	.0023	266.2	.0047	-116.7	CHORD 9	.05	.0211	-234.6	.0154	40.1	.0362	-48.5	
	.12	.0041	45.0	.0018	272.4	.0055	-121.3		.12	.0284	-233.9	.0126	-37.0	.0407	-48.7	
	.20	.0018	-306.7	.0009	273.3	.0026	-113.5		.20	.2121	-222.1	.0112	-32.6	.2232	-41.6	
	.35	.0077	-292.0	.0013	296.2	.0086	-105.3		.35	.0206	-69.8	.0108	-27.6	.0145	80.3	
	.60	.0044	-222.3	.0104	9.1	.0136	-5.6		.60	.0074	-173.6	.0036	-16.3	.0108	-9	
	.75	.0027	-180.5	.0010	-24.5	.0036	-7.0		.75	.0053	-197.8	.0018	-8.4	.0071	-15.4	
	.85	.0015	-216.8	.0010	-45.6	.0025	-40.4		.85	.0047	-210.3					
	.95	.0026	-27.6	.0008	287.9	.0021	167.5		.95							
	CHORD 5	.05	.0044	43.2	.0021	249.9	.0064		-128.4							
.12		.0033	44.3	.0019	-76.0	.0045	-114.4									
.20		.0039	40.8	.0022	-52.8	.0046	-110.4									
.35		.0154	41.8	.0016	-25.8	.0149	-132.6									
.60		.0147	-189.0	.0014	-51.4	.0158	-12.6									
.75		.0074	-190.2													
.85																
.95																



TABLE 7.- Concluded

POINT NUMBER =591

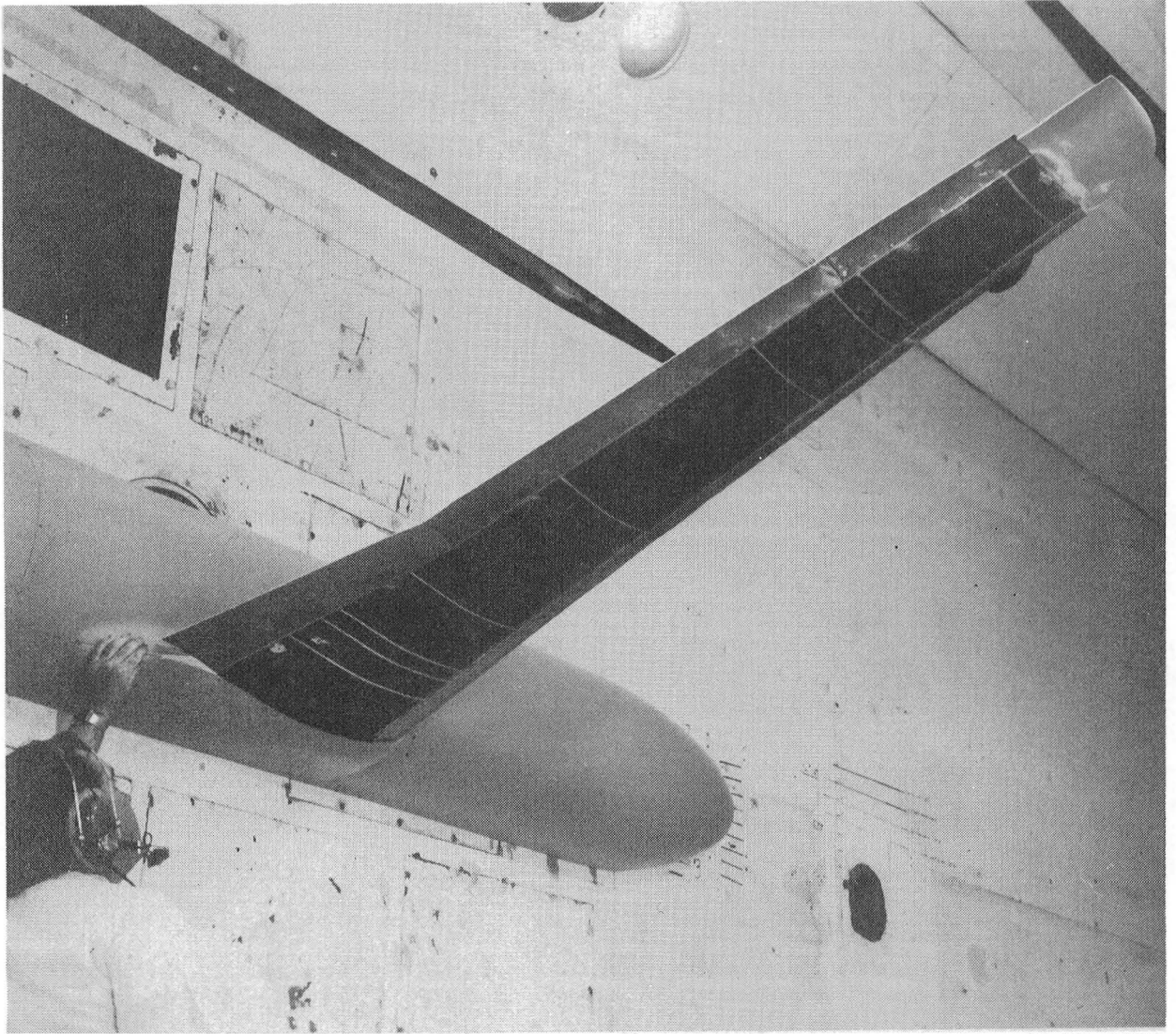
MACH = .781  
Q = 8.478 KPA

RN = 4.690\*10E6  
K = .209

ALPHA = 2.48 DEG  
DELTA9 = -3.01 DEG

OSCILLATING DELTA9 (PEAK) = 6.04 DEG  
OSCILLATING FREQUENCY = 10.01 HZ

	X/C	UPPER CP		LOWER CP		DELTA CP		X/C	UPPER CP		LOWER CP		DELTA CP			
		MAG	PHASE	MAG	PHASE	MAG	PHASE		MAG	PHASE	MAG	PHASE	MAG	PHASE		
CHORD 1	.05	.0068	32.8	.0026	-93.7	.0086	-133.1	CHORD 6	.05	.0220	99.8	.0268	-39.2	.0457	-57.6	
	.12	.0070	16.6	.0029	-78.1	.0077	-141.8		.12	.0339	96.9	.0302	-30.7	.0575	-58.5	
	.20	.0051	4.5	.0037	-78.5	.0059	-137.1		.20	.0326	92.1	.0355	-22.6	.0574	-53.7	
	.30	.0063	29.2	.0029	-58.1	.0068	-126.0		.30	.1485	106.7	.0485	-16.1	.1795	-60.2	
	.35	.0122	23.9	.0030	-30.0	.0107	-143.1		.35	.3314	129.2	.0560	-12.8	.3771	-45.5	
	.45	.0203	49.2	.0030	-49.0	.0209	-122.7		.45	.1115	188.1	.0778	-6.9	.1878	2.0	
	.50	.0125	75.2	.0035	-77.0	.0156	-98.8		.50	.1164	-162.5	.0957	-4.1	.2084	7.7	
	.60	.0072	109.3	.0016	-56.8	.0087	-68.2		.60	.1407	189.5	.1078	=.6	.2475	5.1	
	.70	.0054	103.4	.0011	-18.8	.0060	-67.6		.70	.1697	186.1	.1131	2.0	.2826	4.5	
	.75	.0036	120.3	.0012	13.9	.0042	-43.0		.75	.1857	185.6	.0975	3.7	.2831	5.0	
	.85			.0021	41.2				.85							
	.90	.0012	-225.6						.90							
	.95	.0012	111.2	.0029	52.9	.0025	28.4		.95	.0097	-154.7					
CHORD 2	.05	.0044	25.0	.0029	-113.9	.0068	-138.8	CHORD 7	.05	.0366	120.5	.0440	-33.9	.0786	-45.5	
	.12	.0024	22.0	.0029	-92.5	.0045	-121.3		.12	.0593	116.3	.0414	-29.8	.0964	-49.8	
	.20	.0064	20.4	.0027	-77.2	.0073	-138.0		.20	.0575	113.9	.0486	-20.0	.0977	-45.1	
	.35	.0114	28.3	.0027	-89.6	.0129	-141.1		.35	.2809	143.2	.0600	-11.4	.3361	-32.4	
	.60	.0092	132.7	.0015	-44.7	.0107	-47.0		.60	.1085	193.6	.0873	-1.3	.1943	7.0	
	.75	.0041	112.2	.0014	-52.9	.0055	-64.0		.75	.1274	185.3	.0702	4.0	.1975	4.8	
	.85	.0016	134.1						.85	.1093	182.2					
	.90	.0016	145.4	.0005	-2.5	.0020	-27.1		.90	.0618	183.3	.0018	-60.0	.0627	1.8	
	.95	.0016	157.4						.95	.0105	172.0	.0158	1.6	.0262	-2.2	
CHORD 3	.05	.0064	40.7	.0025	-104.1	.0086	-129.6	CHORD 8	.05	.0318	120.2	.0427	-34.4	.0727	-45.2	
	.12	.0044	39.4	.0026	-101.0	.0066	-125.9		.12	.0509	116.1	.0412	-26.9	.0874	-47.4	
	.20	.0226	20.5	.0026	-123.7	.0248	-156.0		.20	.0611	116.8					
	.75	.0034	-220.2	.0016	-6.9	.0049	-29.6		.75	.0813	185.9	.0442	2.7	.1254	4.8	
	.85			.0011	-171.1				.85							
	.90	.0024	-209.7						.90							
.95			.0009	32.0			.95									
CHORD 4	.05	.0052	15.9	.0034	-118.7	.0080	-146.2	CHORD 9	.05	.0639	126.7	.0389	-45.0	.1026	-50.2	
	.12	.0085	24.8	.0028	-101.3	.0105	-142.5		.12	.0857	125.9	.0316	-40.1	.1166	-50.3	
	.20	.0047	16.4	.0041	-74.9	.0063	-122.9		.20	.3613	137.1	.0272	-34.9	.3882	-42.3	
	.35	.0173	18.6	.0021	-49.4	.0166	-154.6		.35	.0758	-68.0	.0265	-28.6	.0578	95.1	
	.60	.0135	-220.0	.0277	12.6	.0375	-4.0		.60	.0160	189.9	.0098	-27.2	.0246	-4.1	
	.75	.0063	-202.0	.0017	-25.3	.0080	-22.7		.75	.0118	163.0	.0031	-32.2	.0149	-20.2	
	.85	.0041	-209.6	.0019	-29.6	.0060	-29.6		.85	.0112	137.7					
	.95	.0007	-185.8	.0007	-10.6	.0014	-8.1		.95							
	CHORD 5	.05	.0140	56.8	.0083	-91.4	.0215		-111.5							
.12		.0097	53.0	.0070	-69.8	.0148	-103.4									
.20		.0112	49.4	.0077	-66.6	.0161	-105.4									
.35		.0351	43.1	.0071	-46.8	.0358	-125.4									
.60		.0352	178.2	.0073	-13.5	.0423	-3.8									
.75		.0159	184.1													
.95																



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Figure 1.- Photograph of model mounted in wind tunnel.

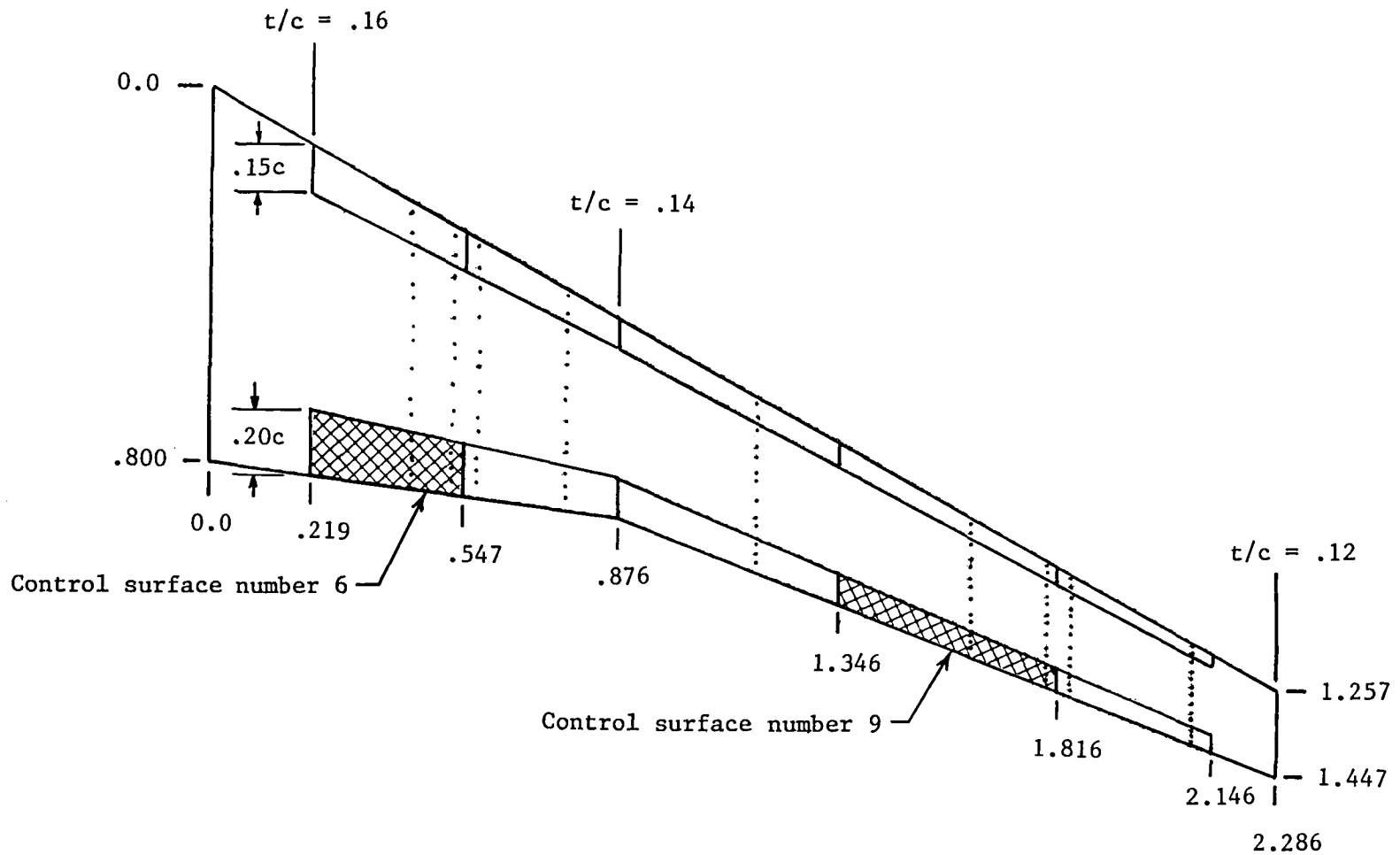


Figure 2.- Sketch of supercritical-airfoil. Model had 10 oscillating control surfaces, 252 static-pressure orifices, 164 dynamic-pressure transducers, an aspect ratio of 10.76, and a sweepback angle of  $28.8^\circ$ . Linear dimensions in meters.

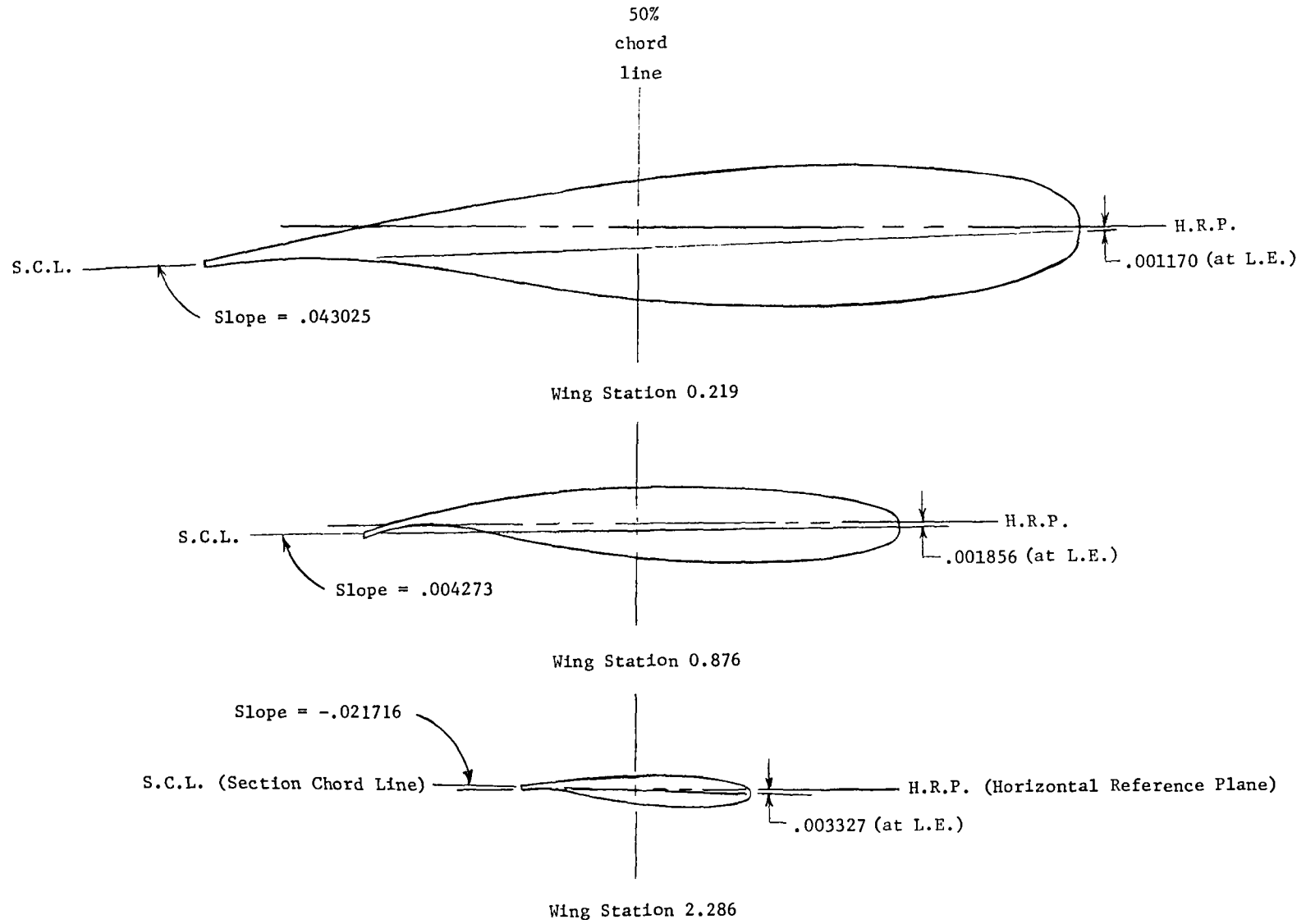


Figure 3.- Sketch of supercritical airfoil shape at three spanwise stations.  
All linear dimensions in meters.

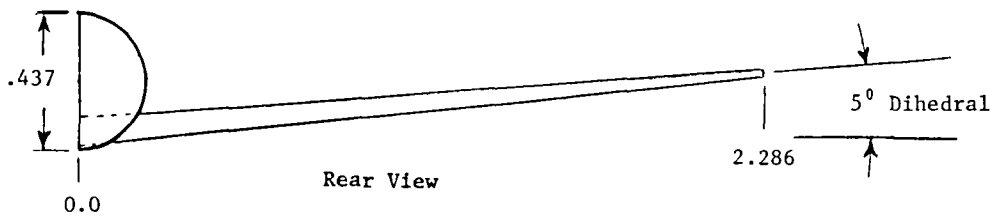
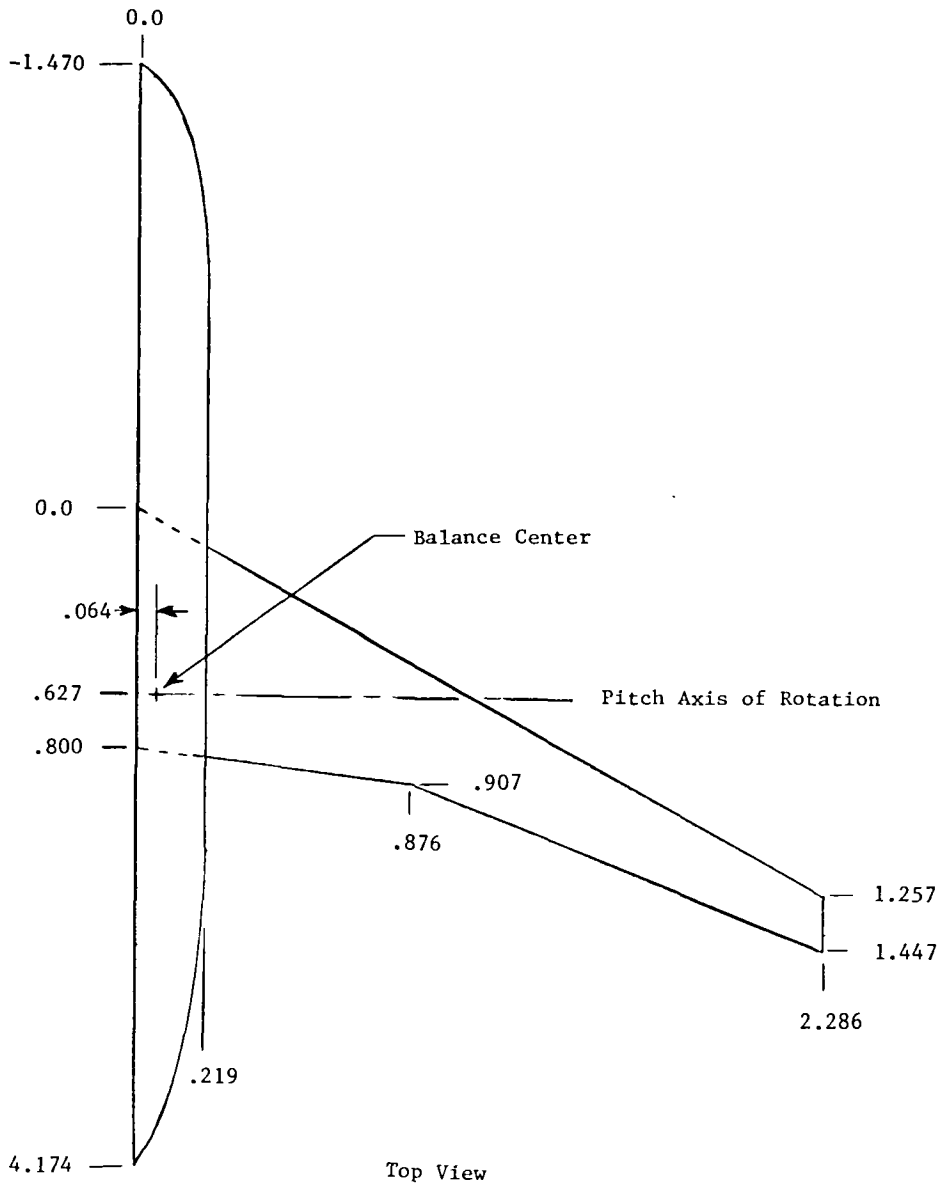


Figure 4.- Sketch of complete model configurations.  
Linear dimensions in meters.

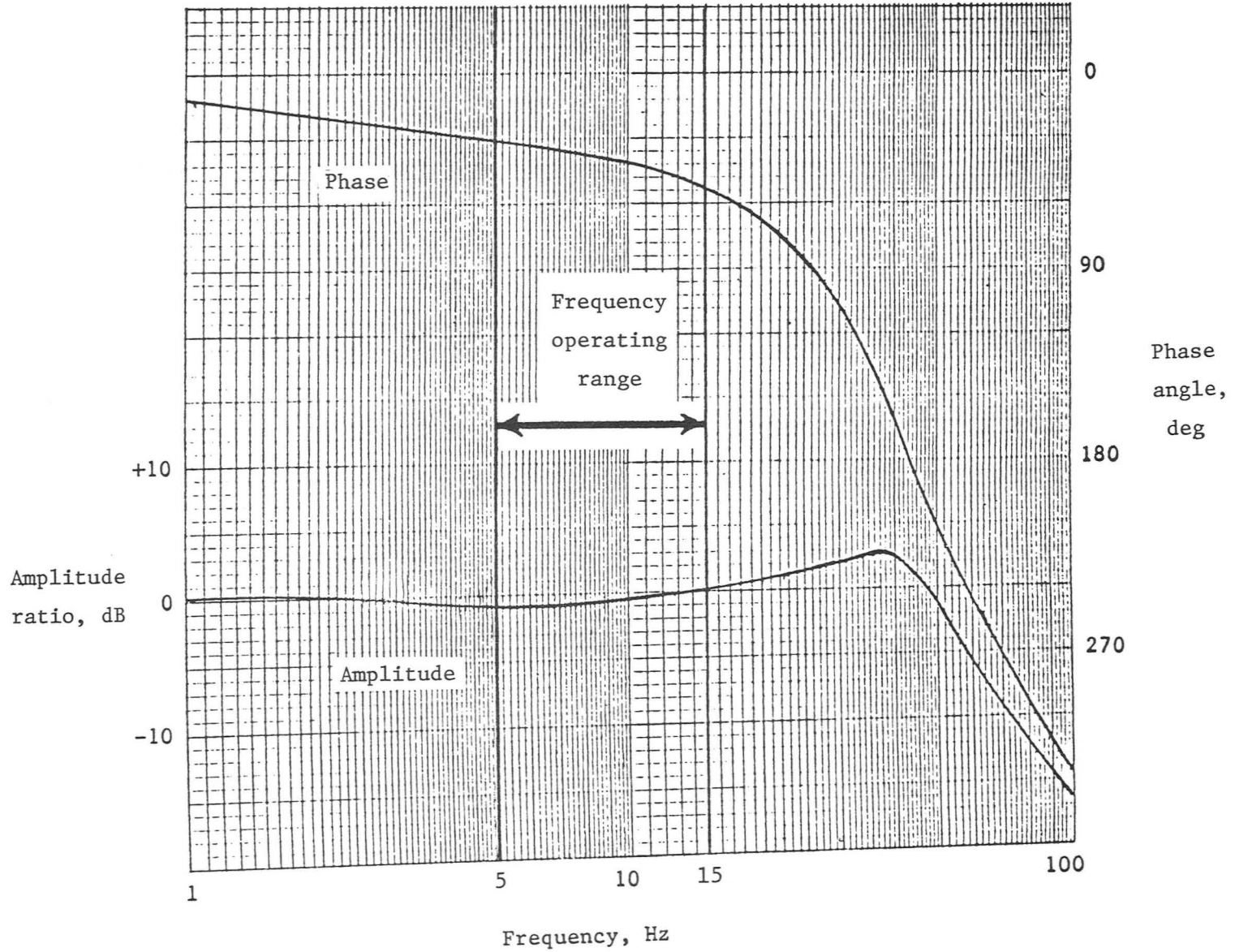


Figure 5.- Typical control-surface response characteristics.



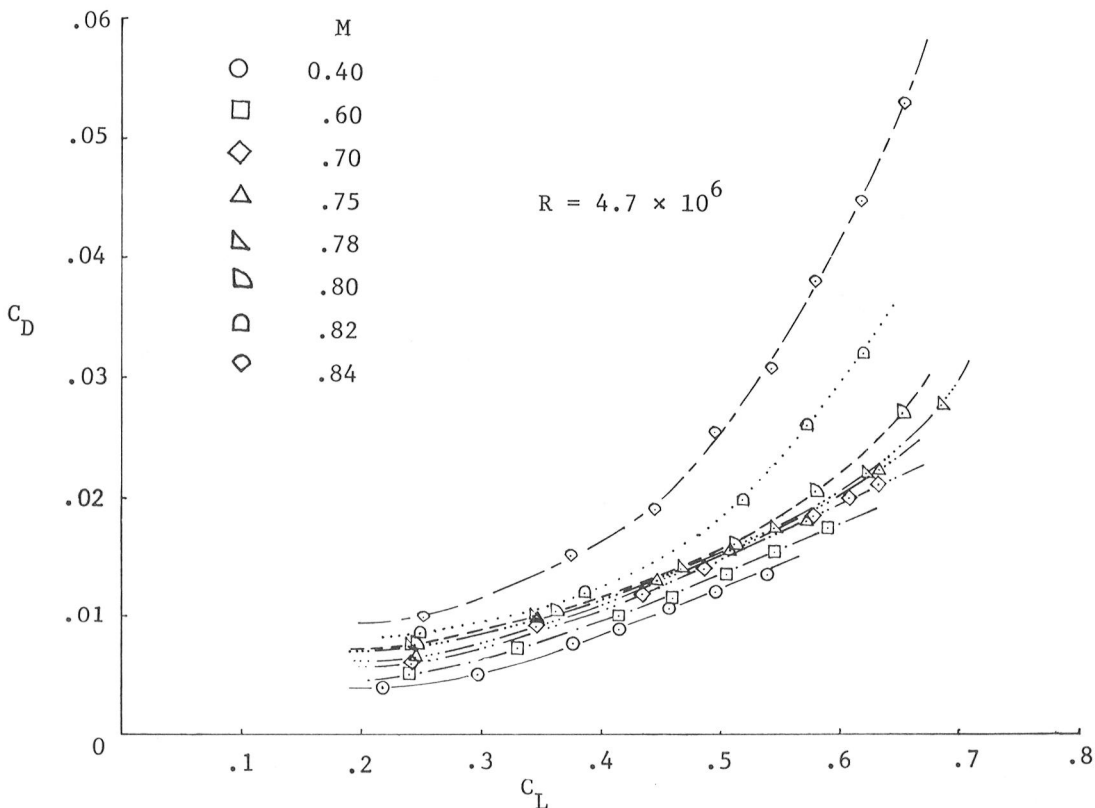
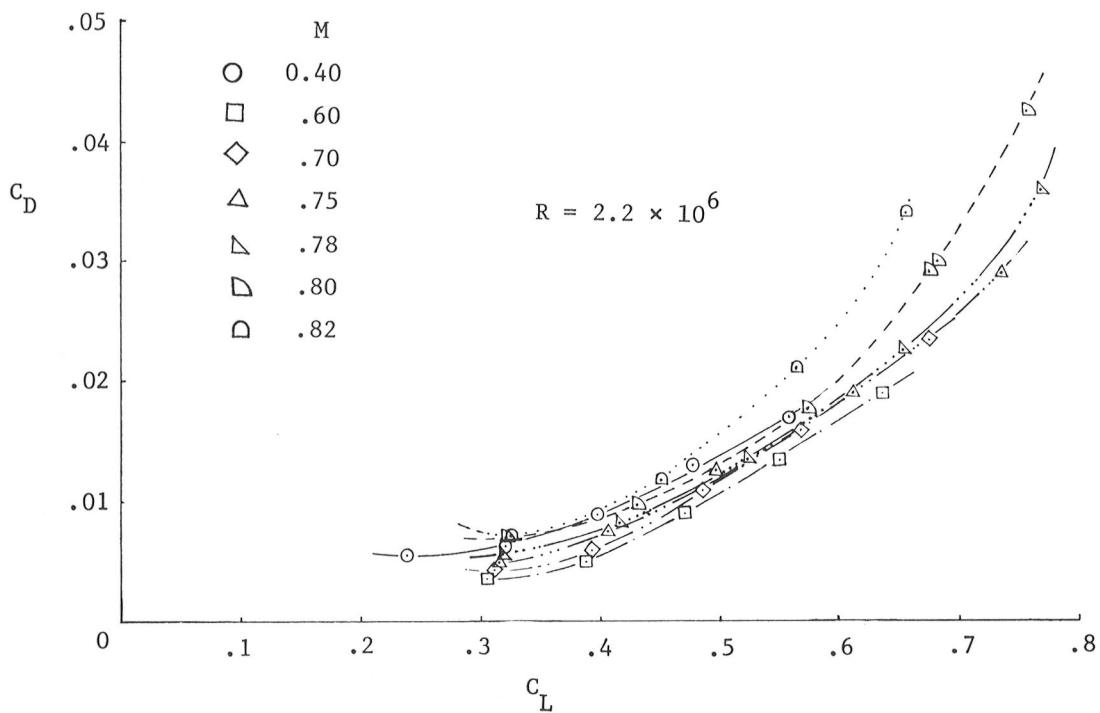


Figure 6.- Variation of drag coefficient with lift coefficient as a function of Mach number for two Reynolds numbers.

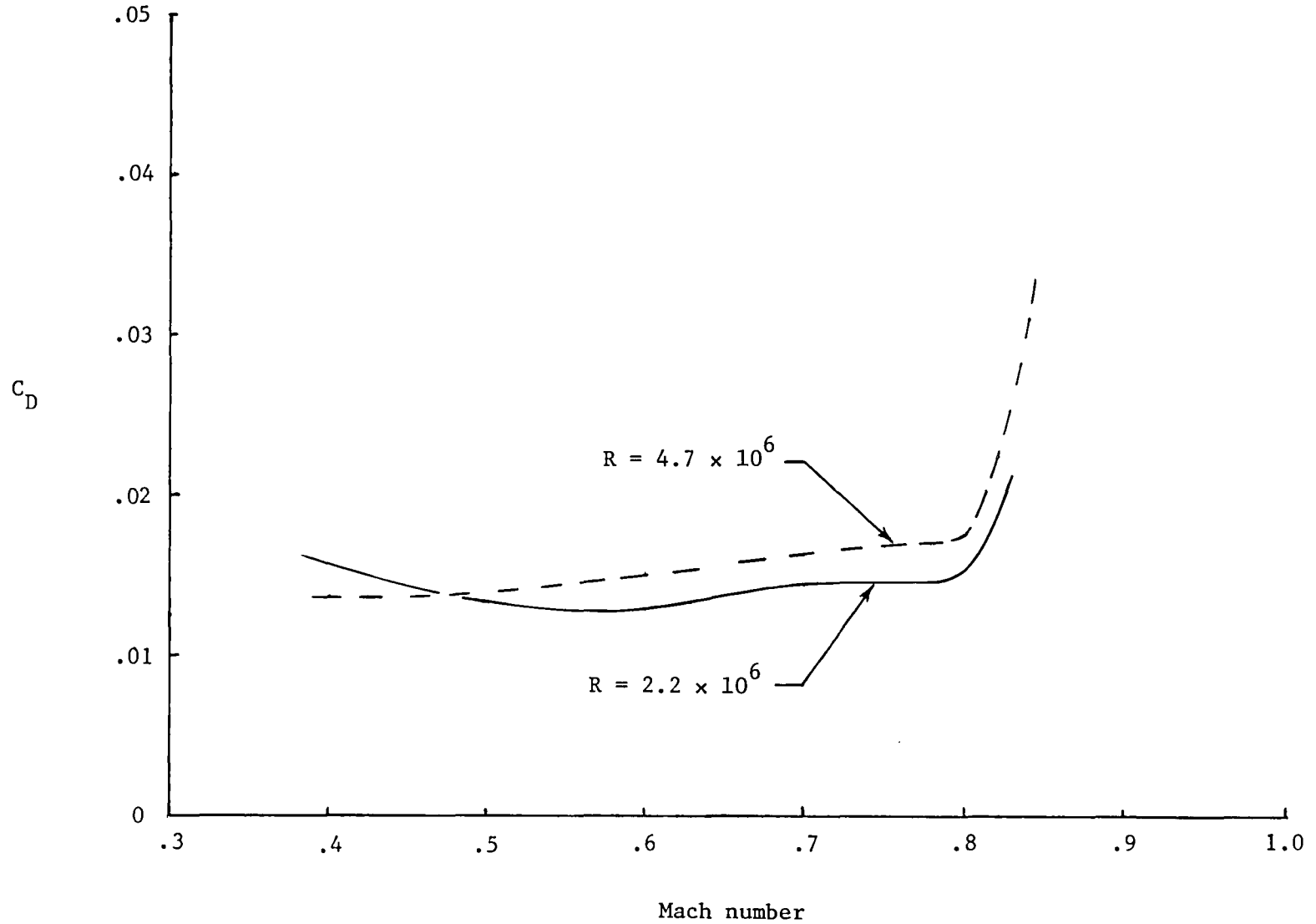


Figure 7.- Variation of drag coefficient with Mach number for  $C_L = 0.54$ .

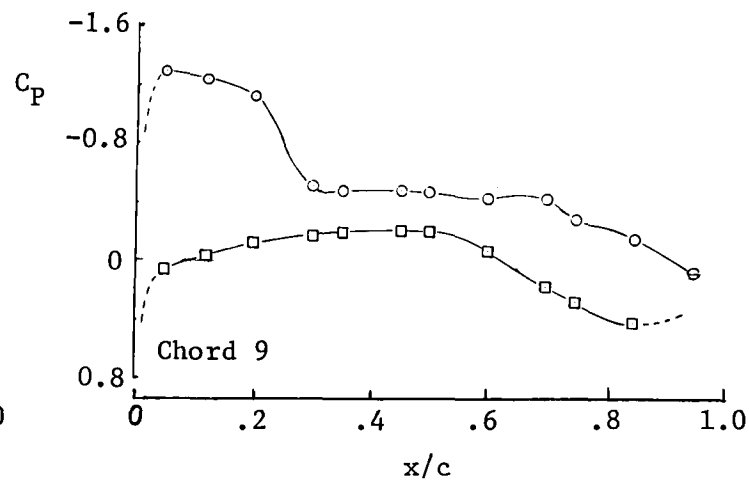
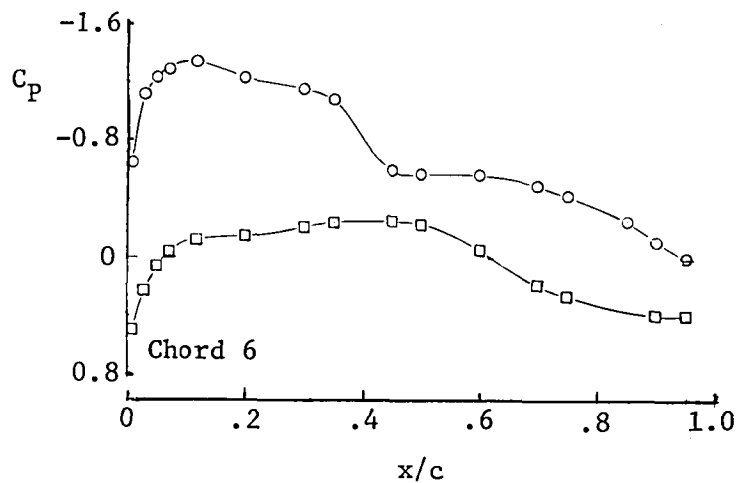
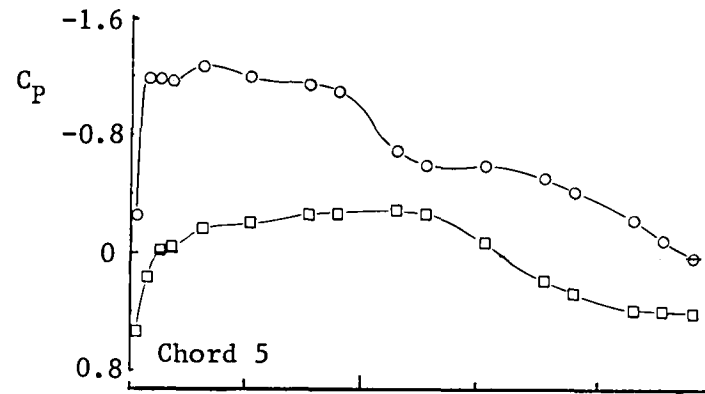
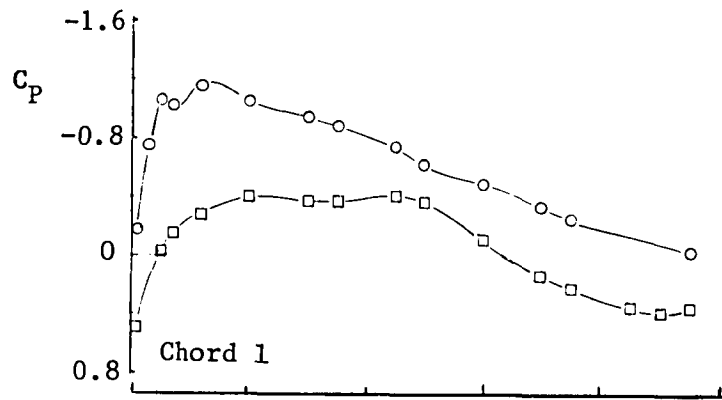


Figure 8.- Chordwise pressure distributions for cruise condition ( $M = 0.78$ ,  $\alpha = 2.47$ ) at  $R = 4.7 \times 10^6$ .





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