NASA TECHNICAL MEMORANDUM

NASA TM-78197

NASA'S AVE VII EXPERIMENT: 25-MB SOUNDING DATA

By J. Greg Davis, Henry E. Fuelberg, and Robert E. Turner
Space Sciences Laboratory

October 1978

NASA

George C. Marshall Space Flight Center
Marshall Space Flight Center, Alabama

MSFC - Form 1190 (Rev June 1971)

TECHNICAL REPORT STANDARD TITLE PAGE

1. REPORT NO.	2. GOVERNMENT ACCESSION NO.	3. RECIPIENT'S CATALOG NO.
NASA TM-		

4. TITLE AND SUBTITLE	5. REPORT DATE
NASA's AVE VII Experiment: 25-mb Sounding Data	October 1978
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S)	8. PERFORMING ORGANIZATION REPORT #
J. Greg Davis,* Henry E. Fuelberg,† and Robert E. Turner	
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. WORK UNIT NO.
George C. Marshall Space Flight Center Marshall Space Flight Center, Alabama 35812	11. CONTRACT OR GRANT NO.
	13. TYPE OF REPORT & PERIOD COVERED
12. SPONSORING AGENCY NAME AND ADDRESS	Technical Memorandum
National Aeronautics and Space Administration Washington, D. C. 20546	14. SPONSORING AGENCY CODE

15. SUPPLEMENTARY NOTES

Prepared by Space Sciences Laboratory, Science and Engineering
* Texas A&M University, College Station, Texas
† St. Louis University, St. Louis, Missouri

16. ABSTRACT

This report describes the AVE VII Experiment and presents tabulated rawinsonde data at 25-mb intervals from the surface to 25 mb for the 24 stations participating in the experiment. Soundings were taken between 0000 GMT May 2 and 1200 GMT May 3, 1978. The methods of data processing and the accuracy are briefly discussed. Selected synoptic charts prepared from the data are presented as well as an example of contact data. A tabulation of adverse weather events that occurred during the AVE VII period, including freezing temperatures, snow, tornadoes, damaging winds, and flooding, is presented.

17. KEY WORDS	18. DISTRIBUTION STATEMENT
Meteorology Atmospheric Variability Soundings Synoptic Mesoscale Adverse Weather Meteorological Data	Unclassified Unlimited

19. SECURITY CLASSIF. (of this report)	20. SECURITY CLASSIF. (of this page)	21. NO. OF PAGES	22. PRICE
Unclassified	Unclassified		NTIS

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

NASA'S AVE VII EXPERIMENT: 25-MB SOUNDING DATA

by

J. Greg Davis[1]
Texas A&M University
College Station, Texas

Henry E. Fuelberg[2]
St. Louis University
St. Louis, Missouri

Robert E. Turner[3]
NASA Marshall Space Flight Center
Huntsville, Alabama

I. Introduction

As of this date, NASA has conducted seven Atmospheric Variability Experiments (AVE) and two Atmospheric Variability and Severe Storm Experiments (AVSSE). The dates, observation times, and data reports for each of these experiments are listed in Table 1. This report contains data and information about the most recent of these experiments, AVE VII.

The AVE experiments are conducted primarily for the purpose of studying atmospheric variability with emphasis on spatial and temporal changes in the structure of the atmosphere that can be detected from soundings taken at 3-h intervals but not seen in soundings taken at 12-h intervals. Previous studies have shown significant variability and changes in atmospheric structure from the 3-h data that are not present in the 12-h data (Scoggins et al., 1974; Overall and Scoggins, 1975; Wilson and Scoggins, 1976; Maddox and Scoggins (1977); Read and Scoggins (1977); Scott and Scoggins (1977); Wilson (1976); Fuelberg (1977); and Fuelberg and Scoggins (1978)).

The data reduction program and error analysis have been presented by Fuelberg (1974). Error estimates taken from Fuelberg's report are presented in Section IV.

II. The AVE VII Experiment

Twenty-four rawinsonde stations participated in the AVE VII experiment. A list of these stations is presented in Table 2, and their locations are

---

[1] Graduate Assistant
[2] Assistant Professor of Meteorology, St. Louis University
[3] Chief, Environmental Applications Branch, Space Sciences Division

Table 1. Summary of AVE experiments.

Experiment	Dates	Observation Times (GMT)	Data Reports
AVE I	19-22 February 1973	2/19 - 00, 03, 06, 09, 12, 15, 18, 21 2/20 - 00, 03, 06, 09, 12, 15, 18, 21 2/21 - 00, 03, 06, 09, 12, 15, 18, 21 2/22 - 00, 03, 06, 09, 12, 15, 18, 21 2/23 - 00	Scoggins and Smith (1973a and b)
AVE II	11-12 May 1974	5/11 - 12, 15, 18, 21 5/12 - 00, 03, 06, 09, 12	Scoggins and Turner (1975) Fuelberg and Turner (1975)
AVE III	6-9 February 1975	2/6 - 00, 06, 12, 15, 18, 21 2/7 - 00, 06, 12	Fuelberg and Turner (1975) Fuelberg *et al.* (1975)
AVE IV	24-25 April 1975	4/24 - 00, 06, 12, 15, 18, 21 4/25 - 00, 06, 12	Fucik and Turner (1975)
AVSSE I	27-28 April 1975	4/27 - 12, 15, 18, 21 4/28 - 00, 03, 12	Fucik and Turner (1975)
AVSSE II	6-7 May 1975	5/6 - 12, 15, 18, 21 5/7 - 00, 03, 12	Fucik and Turner (1975)
AVE V	11-12 June 1976	6/11 - 00, 12, 15, 18, 21 6/12 - 00, 03, 12	Humbert and Hill (1977)
AVE VI	27-28 May 1977	5/27 - 00, 12, 15, 18, 21 5/28 - 00, 03, 12	Dupuis and Hill (1977)
AVE VII	2-3 May 1978	5/2 - 00, 12, 15, 18, 21 5/3 - 00, 03, 12	This Report

Table 2. List of rawinsonde stations participating in AVE VII experiment.

Station Number	Location
220 (AQQ)	Apalachicola, Florida
229 (CKL)	Centerville, Alabama
232 (BVE)	Boothville, Louisiana
235 (JAN)	Jackson, Mississippi
240 (LCH)	Lake Charles, Louisiana
247 (GGG)	Longview, Texas
255 (VCT)	Victoria, Texas
260 (SEF)	Stephenville, Texas
261 (DRT)	Del Rio, Texas
265 (MAF)	Midland, Texas
327 (BNA)	Nashville, Tennessee
340 (LIT)	Little Rock, Arkansas
349 (UMN)	Monett, Missouri
353 (OKC)	Oklahoma City, Oklahoma
363 (AMA)	Amarillo, Texas
429 (DAY)	Dayton, Ohio
433 (SLO)	Salem, Illinois
451 (DDC)	Dodge City, Kansas
456 (TOP)	Topeka, Kansas
532 (PIA)	Peoria, Illinois
553 (OMA)	Omaha, Nebraska
562 (LBF)	North Platte, Nebraska
11001	Marshall Space Flight Center, Alabama
33001	Texas A&M University, College Station, Texas

given in Fig. 1. Soundings were taken at eight times: May 2, 1978 at 0000 GMT, 1200 GMT, 1500 GMT, 1800 GMT, and 2100 GMT, and May 3 at 0000 GMT, 0300 GMT, and 1200 GMT. During the AVE VII period much convective activity was present and there were rapid changes in the weather pattern. Severe weather included tornadoes, hail, floods, damaging winds, snow, and freezing temperatures.

III. Discussion of Basic Data

A. Collection of Data. Original information from which sounding data were computed was sent to the Atmospheric Sciences Division, NASA Marshall Space Flight Center (MSFC), Alabama. These data were forwarded to St. Louis University for initial processing, then to Texas A&M University where complete soundings were computed using the university's Amdahl 470V 6 computer.

B. Methods of Processing. The procedure used to compute soundings is that used on previous AVE's and is described by Fuelberg (1974) and Fuelberg

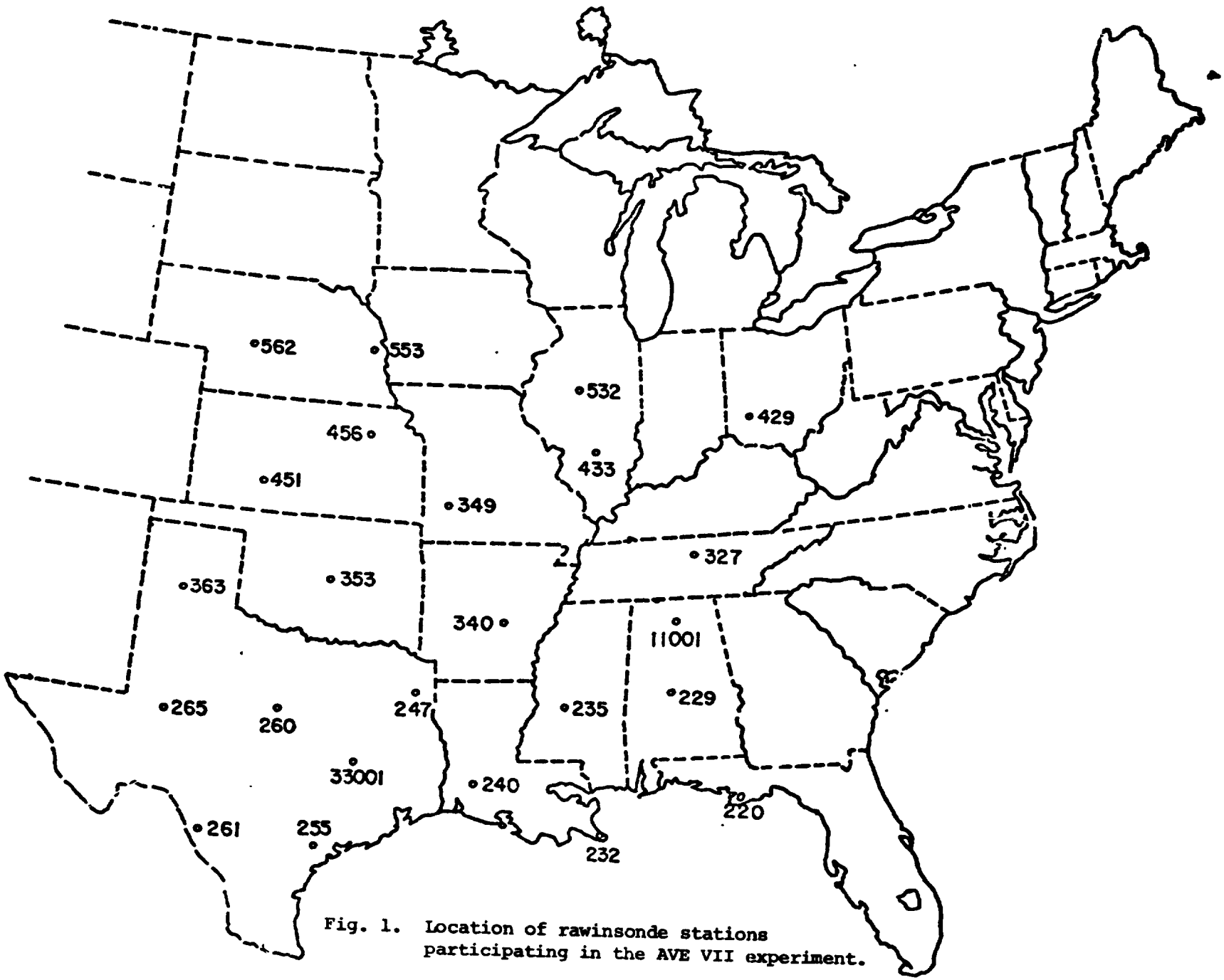


Fig. 1. Location of rawinsonde stations participating in the AVE VII experiment.

and Turner (1975). All keypunched data were checked for errors by calculating centered differences on the input data. Additional checks include first differences of calculated temperatures and dew-point temperatures, and the plotting of constant pressure charts for 850, 700, 500, 300, 200, and 100 mb for all release times and time cross sections for each station. Suspected errors were checked with the original strip chart information and appropriate corrections made.

The final data set of the AVE VII experiment consists of data computed at each pressure contact and at 25-mb intervals. Thermodynamic quantities were computed at each pressure contact, while the winds were computed from the available 30- or 60-s interval angle data by means of a centered finite difference and subsequently interpolated for each contact or 25-mb level.

It is important to note three procedures employed in the processing of these data. They are: (1) Humidity values, including dew-point temperatures, are computed at temperatures only above -40°C; at temperatures below -40°C, humidity values are missing and indicated by a field of nines (i.e., 99.9). Moisture values are computed down to a relative humidity of 1%. If the value falls below 1%, it is set equal to 1% and used in the computation of other moisture variables. (2) Winds based on low elevations are denoted by asterisks (one asterisk denotes angles less than 10° but greater than 6°, while two asterisks denote angles less than 6°). Caution must be exercised in the use of data at low elevation angles since it is subject to rather large RMS errors. (3) Wind direction and speed are determined from interpolating the 25-mb values of the u- and v-components.

IV. Discussion of Sounding Data

A. Accuracy Estimates. Estimates of the RMS errors in the thermodynamic quantities of the AVE VII data are the same as those for all AVE experiments and are given by Fuelberg (1974). These estimates are presented in Table 3.

The RMS errors for wind speed and direction are difficult to describe since they are a function of tracking geometry and other factors. Maximum RMS errors for winds (speed and direction) computed at 30-s intervals (based on the worst geometric tracking configuration) for 10 and 40 deg elevation angles are presented in Table 4. The accuracy of the wind data at pressure contacts and at 25-mb intervals is greater than that stated for the 30-s winds because of the added smoothing and interpolation performed. In addition, errors cited for the 30-s winds were maxima for the stated conditions.

Table 3. Estimates of the RMS errors in thermodynamic quantities of AVE VII data.

Parameter	Approximate RMS Error
Temperature	1°C or less
Pressure	1.3 mb from surface to 400 mb; 1.1 mb between 400 and 100 mb; 0.7 mb between 100 and 10 mb.
Humidity	10 percent
Pressure Altitude	10 gpm at 500 mb; 20 gpm at 300 mb; 50 gpm at 50 mb.

Table 4. Estimates of RMS errors in AVE VII wind data.

	RMS errors ($m\ s^{-1}$) in Speed		RMS errors (deg) in direction	
Pressure	10 deg el.	40 deg el.	10 deg el.	40 deg el.
700	2.5	0.5	9.5	1.3
500	4.5	0.8	13.4	1.8
300	7.8	1.0	18.0	2.5

B. Tabulated Data. An example of AVE VII contact data is given in Table 5, with an explanation of the column headings in Table 6. A listing of those soundings that were missing or terminated before completion is given in Table 7 along with the reason for early termination. In Table 5, the first line of data for the time of 0.0 minutes is surface data. A series of nines is used to indicate missing data. The three numbers in the upper right-hand corner are the number of pressure levels computed, the minimum pressure obtained (mb), and an angle identifier with the value 0 for 30-s angle input and 1 for 1-min angle input. The contact data are available in paper form or on magnetic tape from the Space Sciences Laboratory, Atmospheric Sciences Division (ES 84), George C. Marshall Space Flight Center, Alabama 35812.

Table 5. Example of contact data from the AVE VII experiment.

STATION NO. 11001
MARSHALL SFC, ALABAMA

1 MAY 1978
2315 GMT

143 43. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	180.0	988.1	16.8	11.9	330.0	2.1	1.1	-1.8	291.0	314.2	8.9	73.0	0.0	0.
0.1	8.0	198.1	986.0	15.5	11.1	29.0	8.7	-4.2	-7.6	289.8	311.8	8.5	75.5	0.2	196.
0.5	9.0	263.3	975.0	14.3	11.5	29.0	8.7	-4.2	-7.6	289.5	312.3	8.8	83.6	0.2	194.
0.8	10.0	347.9	963.0	13.5	11.6	27.3	8.0	-3.7	-7.1	289.7	312.9	9.0	88.4	0.3	201.
1.2	11.0	454.8	952.0	12.7	11.0	24.5	7.5	-3.1	-6.9	289.9	312.5	8.7	89.3	0.5	203.
1.6	12.0	601.3	940.0	11.5	10.2	22.6	7.5	-2.9	-7.0	289.8	311.5	8.3	91.3	0.7	203.
1.9	13.0	699.6	929.0	10.8	9.4	23.6	7.6	-3.0	-7.0	290.0	310.9	8.0	91.1	0.8	203.
2.4	14.0	796.3	918.0	10.8	9.4	15.0	6.4	-1.6	-6.2	291.0	312.2	8.1	91.1	1.0	203.
2.7	15.0	900.2	907.0	11.2	9.8	2.6	5.4	-0.2	-5.4	292.4	314.5	8.4	91.2	1.1	202.
3.1	16.0	1002.2	896.0	10.8	9.4	336.5	4.4	1.7	-4.0	293.0	314.9	8.3	90.9	1.2	199.
3.4	17.0	1105.3	885.0	10.0	8.6	317.0	3.9	2.9	-2.6	293.3	314.4	8.0	90.8	1.3	196.
3.8	18.0	1209.5	874.0	9.9	8.4	299.6	4.2	3.6	-2.1	294.1	315.3	8.0	90.7	1.3	192.
4.3	19.0	1305.3	864.0	9.3	7.8	298.6	4.9	4.3	-2.4	294.9	315.2	7.8	90.6	1.4	187.
4.7	20.0	1411.7	853.0	8.9	7.5	295.6	5.9	5.3	-2.5	295.2	315.7	7.7	90.6	1.4	182.
5.2	21.0	1519.3	842.0	8.2	6.7	291.3	7.3	6.8	-2.6	295.6	315.3	7.4	90.5	1.5	174.
5.5	22.0	1618.1	832.0	7.6	6.0	291.9	8.0	7.4	-3.0	295.8	314.9	7.1	90.4	1.6	168.
6.2	23.0	1727.8	821.0	6.8	5.3	293.4	8.0	7.4	-3.2	296.2	314.6	6.8	90.1	1.7	164.
6.8	24.0	1827.6	811.0	6.2	4.7	295.2	7.4	6.7	-3.2	296.7	314.7	6.6	89.9	1.8	159.
7.2	25.0	1928.5	801.0	5.9	4.3	299.2	7.8	6.8	-3.8	297.3	315.2	6.5	89.6	2.0	155.
7.8	26.0	2028.5	791.0	5.7	4.1	301.9	9.4	8.0	-5.0	298.2	316.1	6.5	89.6	2.2	152.
7.7	27.0	2129.2	780.0	4.7	3.1	300.2	10.6	9.2	-5.3	298.3	315.2	6.2	89.4	2.4	149.
8.1	28.0	2228.5	770.0	4.3	2.6	299.7	11.9	10.7	-5.1	299.0	315.6	6.0	88.4	2.6	146.
8.4	29.0	2328.0	760.0	3.8	2.2	292.2	13.1	12.2	-5.0	299.6	316.0	5.9	88.8	2.8	143.
8.8	30.0	2427.7	750.0	2.8	1.2	288.6	13.9	13.2	-4.4	299.7	315.2	5.6	89.1	3.1	140.
9.3	31.0	2526.4	741.0	2.0	0.5	285.0	14.2	13.7	-3.7	299.8	314.7	5.4	89.6	3.5	136.
9.8	32.0	2626.1	731.0	1.2	-0.3	283.8	15.1	14.7	-3.6	300.0	314.4	5.1	89.6	3.8	133.
10.2	33.0	2726.8	721.0	0.2	-15.1	283.6	16.7	16.2	-3.9	300.2	305.1	1.6	39.4	4.3	130.
10.6	34.0	2826.3	711.0	0.2	-24.5	282.7	17.8	17.3	-3.9	304.6	307.0	0.7	10.9	4.7	127.
11.3	35.0	3031.4	702.0	0.0	-24.0	282.8	18.6	18.1	-4.1	305.6	308.0	0.8	11.5	5.2	124.
11.8	36.0	3117.3	692.0	2.0	-31.0	284.1	20.0	19.4	-4.8	306.7	307.1	0.4	6.5	5.8	122.
12.3	37.0	3222.8	683.0	1.8	-48.8	284.2	22.4	21.7	-5.5	306.7	306.9	0.1	1.0	6.4	121.
12.6	38.0	3341.3	673.0	0.4	-49.7	283.5	23.7	23.1	-5.5	306.3	306.5	0.1	1.0	6.8	120.
12.9	39.0	3449.0	664.0	-0.3	-50.1	282.1	24.4	23.8	-5.1	306.8	307.0	0.1	1.0	7.2	119.
13.3	40.0	3570.1	654.0	-1.4	-50.6	281.3	23.8	23.3	-4.7	306.8	307.0	0.1	1.0	7.8	117.
13.6	41.0	3696.1	645.0	-2.8	-51.7	282.6	23.3	22.7	-5.1	306.5	306.6	0.0	1.0	8.4	116.
14.0	42.0	3791.2	636.0	-3.4	-38.8	284.8	24.4	23.5	-6.2	307.0	307.7	0.2	4.4	9.1	115.
14.7	43.0	3903.6	627.0	-4.4	-37.9	285.9	25.5	24.5	-7.0	307.2	308.0	0.2	5.2	9.7	114.
15.1	44.0	4017.2	618.0	-5.6	-44.0	286.6	26.2	25.1	-7.5	307.1	307.5	0.1	3.0	10.3	114.
15.5	45.0	4132.0	609.0	-6.5	-36.1	287.5	26.7	25.5	-8.1	307.3	308.3	0.3	7.5	10.9	114.
15.8	46.0	4248.1	600.0	-7.8	-30.1	288.1	26.1	24.8	-8.1	307.1	308.8	0.5	14.6	11.4	113.
16.3	47.0	4365.4	591.0	-8.8	-23.8	288.9	25.7	24.3	-8.3	307.6	310.6	0.9	27.8	12.2	113.
16.7	48.0	4484.0	582.0	-10.3	-22.5	289.1	26.8	25.3	-8.8	306.9	310.3	1.1	35.9	12.8	113.
17.1	49.0	4604.0	573.0	-10.9	-23.1	288.6	28.3	26.8	-9.0	307.6	310.9	1.0	35.6	13.5	113.
17.6	50.0	4711.8	565.0	-11.7	-31.1	287.5	28.1	26.8	-8.4	307.8	309.6	0.5	19.9	14.0	112.
17.8	51.0	4834.6	556.0	-12.6	-57.9	285.2	26.5	25.5	-6.9	308.2	308.3	0.0	1.3	14.7	112.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Table 5. Continued.

STATION NO. 11001
MARSHALL SFC, ALABAMA

1 MAY 1976
2315 GMT

163 43. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
18.3	82.0	4645.2	548.0	-12.9	-58.1	283.1	25.7	25.0	-5.8	309.2	309.3	0.0	1.0	15.4	112.
18.8	83.0	5071.3	536.0	-13.6	-58.5	283.6	27.1	26.4	-6.4	309.8	309.9	0.0	1.0	16.2	111.
19.4	84.0	5124.2	534.0	-14.3	-59.0	284.4	28.0	27.1	-7.0	310.3	310.4	0.0	1.0	16.9	111.
19.7	85.0	5228.8	524.0	-15.0	-59.4	284.7	27.8	26.9	-7.0	310.8	310.9	0.0	1.0	17.7	111.
20.2	86.0	5418.2	515.0	-15.5	-59.8	284.9	27.4	26.5	-6.9	311.5	311.6	0.0	1.0	18.5	110.
20.7	87.0	5534.1	507.0	-16.5	-60.4	282.3	27.6	27.0	-5.9	311.7	311.8	0.0	1.0	19.3	110.
21.2	88.0	5606.6	498.0	-17.3	-60.9	279.5	28.1	27.8	-4.6	312.3	312.4	0.0	1.0	20.1	110.
21.6	89.0	5765.9	490.0	-17.6	-61.1	278.3	28.0	27.8	-3.1	313.4	313.5	0.0	1.0	20.8	109.
22.0	90.0	5811.1	482.0	-17.7	-61.2	272.1	26.6	26.6	-1.0	314.8	314.8	0.0	1.0	21.8	109.
22.4	91.0	6022.4	475.0	-18.4	-61.6	269.1	25.7	25.7	0.4	315.2	315.3	0.0	1.0	22.8	108.
23.1	92.0	6149.5	467.0	-19.5	-62.3	268.0	25.5	25.5	0.9	315.4	315.5	0.0	1.0	22.6	108.
23.2	93.0	6277.0	459.0	-20.7	-63.1	267.9	25.2	25.2	0.9	315.5	315.5	0.0	1.0	23.2	107.
23.7	94.0	6397.7	451.0	-21.9	-63.7	268.7	24.8	24.8	0.6	315.5	316.1	0.1	9.4	23.8	107.
24.1	95.0	6521.7	444.0	-22.7	-63.6	270.7	25.1	25.1	-0.3	316.0	316.6	0.2	12.7	24.3	106.
24.5	96.0	6646.5	436.0	-23.3	-64.1	272.4	24.8	24.8	-1.0	316.8	317.4	0.2	12.8	24.9	106.
24.9	97.0	6773.2	429.0	-24.0	-64.5	273.8	25.3	25.2	-1.7	317.4	318.0	0.2	12.9	25.6	106.
25.2	98.0	6900.3	421.0	-25.1	-40.8	273.6	25.8	25.7	-1.6	317.7	318.6	0.3	21.3	26.2	105.
25.7	99.0	7031.5	414.0	-25.9	-41.1	272.0	24.9	24.9	-0.9	318.3	319.1	0.2	22.2	26.9	105.
26.6	70.0	7155.3	407.0	-26.6	-42.1	269.1	22.9	22.9	0.4	318.8	319.6	0.2	21.5	27.5	105.
26.7	71.0	7290.2	400.0	-28.0	-44.7	267.6	22.4	22.3	0.9	318.7	319.3	0.2	18.2	28.2	104.
27.1	72.0	7424.5	393.0	-29.0	-46.1	268.2	23.0	23.0	0.7	319.4	320.0	0.1	16.5	28.8	104.
27.7	73.0	7559.6	386.0	-30.1	-46.3	270.3	24.0	24.0	-0.1	319.2	319.6	0.1	16.8	29.5	104.
28.2	74.0	7695.2	379.0	-31.4	-48.3	272.0	24.4	24.4	-0.8	319.1	319.6	0.1	16.9	30.2	103.
28.7	75.0	7796.5	372.0	-32.6	-48.7	271.5	24.1	24.1	-0.6	319.2	319.7	0.1	18.0	30.9	103.
29.2	76.0	7939.4	365.0	-33.7	-48.4	269.2	23.5	23.5	0.3	319.4	319.9	0.1	21.1	31.6	103.
29.7	77.0	8096.0	358.0	-34.7	-45.1	267.2	22.6	22.5	1.1	319.9	320.6	0.2	33.2	32.3	103.
30.3	78.0	8183.7	352.0	-36.1	-44.6	268.2	22.9	22.9	0.7	319.5	320.2	0.2	41.8	33.1	102.
30.6	79.0	8322.8	345.0	-37.3	-50.3	269.6	24.3	24.3	0.2	319.7	320.1	0.1	24.1	33.8	102.
31.3	80.0	8464.0	338.0	-38.5	-51.4	268.1	24.6	24.6	0.8	320.0	320.3	0.1	24.2	34.5	102.
31.6	81.0	8586.4	332.0	-39.2	-51.1	264.3	24.8	24.7	2.5	320.7	321.1	0.1	26.6	35.2	101.
32.3	82.0	8711.6	326.0	-40.4	99.9	261.6	27.1	26.8	4.3	320.9	999.9	99.9	999.9	35.9	101.
32.8	83.0	8839.4	319.0	-41.3	99.9	260.8	30.5	30.1	4.9	321.5	999.9	99.9	999.9	36.7	100.
33.2	84.0	8967.9	313.0	-42.6	99.9	260.7	31.5	31.1	5.1	321.4	999.9	99.9	999.9	37.6	100.
33.6	85.0	9118.2	307.0	-44.0	99.9	260.7	29.6	29.3	4.8	321.2	999.9	99.9	999.9	38.5	100.
34.3	86.0	9250.8	301.0	-45.1	99.9	260.7	28.8	28.4	4.7	321.4	999.9	99.9	999.9	39.3	99.
34.8	87.0	9384.5	295.0	-46.3	99.9	259.6	29.9	29.4	5.4	321.7	999.9	99.9	999.9	40.2	99.
35.2	88.0	9520.7	289.0	-47.4	99.9	257.4	30.0	29.2	6.5	321.9	999.9	99.9	999.9	40.9	98.
35.7	89.0	9659.1	283.0	-48.5	99.9	254.3	29.8	27.8	7.8	322.4	999.9	99.9	9[illegible]9	41.7	98.
36.3	90.0	9799.8	277.0	-49.6	99.9	255.0	29.2	26.2	7.6	323.7	999.9	99.9	999.9	42.6	97.
36.8	91.0	9943.3	271.0	-49.0	99.9	257.1	29.3	28.5	6.5	325.6	999.9	99.9	999.9	43.4	97.
37.3	92.0	10090.4	265.0	-48.7	99.9	257.7	26.9	26.3	5.7	328.1	999.9	99.9	999.9	44.2	97.
37.9	93.0	10215.3	260.0	-49.8	99.9	259.0	26.3	25.8	5.0	328.4	999.9	99.9	999.9	45.1	96.
38.4	94.0	10367.6	254.0	-50.7	99.9	259.8	27.7	27.2	4.9	329.2	999.9	99.9	999.9	45.9	96.
38.8	95.0	10496.5	249.0	-51.0	99.9	257.7	27.6	27.0	5.9	329.1	999.9	99.9	999.9	46.7	96.
39.3	96.0	10654.8	243.0	-52.8	99.9	255.4	29.3	28.4	7.4	330.2	999.9	99.9	999.9	47.6	95.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Table 5. Continued.

STATION NO. 11001
MARSHALL SFC, ALABAMA

1 MAY 1978
2315 GMT

183 43. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MI RTO GM/KG	RH PCT	RANGE KM	AZ DG
[illegible]	[illegible]	[illegible]	[illegible]	-54.6	99.9	254.7	30.7	29.5	7.0	330.8	999.9	99.9	999.9	49.6	95.
[illegible]	[illegible]	[illegible]	[illegible]	-54.6	99.9	254.7	26.5	25.5	5.2	331.6	999.9	99.9	999.9	49.4	95.
[illegible]	[illegible]	[illegible]	[illegible]	-55.1	99.9	255.7	22.6	22.3	3.7	332.6	999.9	99.9	999.9	50.2	94.
[illegible]	[illegible]	[illegible]	[illegible]	-55.5	99.9	259.9	25.5	24.6	4.4	335.1	999.9	99.9	999.9	50.8	94.
[illegible]	[illegible]	[illegible]	[illegible]	-55.9	99.9	259.4	32.1	31.5	5.9	336.5	999.9	99.9	999.9	51.0	94.
[illegible]	[illegible]	[illegible]	[illegible]	-56.5	99.9	263.8	35.7	35.2	5.7	337.2	999.9	99.9	999.9	52.9	94.
[illegible]	[illegible]	[illegible]	[illegible]	-57.6	99.9	265.0	34.6	34.1	4.2	337.7	999.9	99.9	999.9	54.1	93.
[illegible]	[illegible]	[illegible]	[illegible]	-58.7	99.9	266.3	32.6	32.3	3.4	338.6	999.9	99.9	999.9	55.1	93.
[illegible]	[illegible]	[illegible]	[illegible]	-56.5	99.9	266.7	31.[illegible]	30.9	2.9	341.1	999.9	99.9	999.9	56.0	93.
[illegible]	[illegible]	[illegible]	[illegible]	-53.7	99.9	267.6	34.4	34.4	1.4	342.9	999.9	99.9	999.9	57.1	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	270.5	34.3	34.3	-2.3	344.3	999.9	99.9	999.9	58.3	93.
[illegible]	[illegible]	[illegible]	[illegible]	-60.6	99.9	277.0	33.6	33.6	-1.2	345.1	999.9	99.9	999.9	59.4	93.
[illegible]	[illegible]	[illegible]	[illegible]	-61.1	99.9	277.6	27.2	27.2	-1.2	346.3	999.9	99.9	999.9	60.3	93.
[illegible]	[illegible]	[illegible]	[illegible]	-61.1	99.9	272.7	21.7	21.2	-1.3	349.1	999.9	99.9	999.9	61.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	-60.6	99.9	273.5	25.9	25.9	-1.1	352.6	999.9	99.9	999.9	61.9	93.
[illegible]	[illegible]	[illegible]	[illegible]	-60.6	99.9	275.0	35.6	34.8	-3.6	354.4	999.9	99.9	999.9	63.5	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	271.5	45.3	45.7	-7.6	356.1	999.9	99.9	999.9	64.5	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	37.5	37.5	-7.9	[illegible]	999.9	99.9	999.9	66.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	271.7	27.4	27.2	-2.[illegible]	[illegible]	999.9	99.9	999.9	67.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	25.6	25.0	-1.1	[illegible]	999.9	99.9	999.9	68.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	273.5	31.6	31.7	-4.9	366.9	999.9	99.9	999.9	69.3	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	277.7	23.5	22.9	-3.1	372.[illegible]	999.9	99.9	999.9	70.6	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	278.6	23.1	22.4	-3.6	372.9	999.9	99.9	999.9	71.3	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	277.2	29.6	29.4	-3.7	374.4	999.9	99.9	999.9	72.3	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	29.5	25.9	-2.9	377.6	999.9	99.9	999.9	73.4	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	27.3	27.3	-3.9	380.6	999.9	99.9	999.9	74.5	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	26.3	26.3	-3.7	383.8	999.9	99.9	999.9	75.7	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	29.[illegible]	29.5	-2.5	[illegible]	999.9	99.9	999.9	76.9	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	31.6	31.2	-3.5	[illegible]	999.9	99.9	999.9	78.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	33.5	33.1	-4.7	[illegible]	999.9	99.9	999.9	79.6	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	29.9	29.6	-4.2	402.7	999.9	99.9	999.9	80.4	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	23.9	23.5	-4.5	403.9	999.9	99.9	999.9	81.6	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	18.2	17.4	-3.7	408.5	999.9	99.9	999.9	82.7	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	7.7	7.6	-1.2	411.[illegible]	999.9	99.9	999.9	83.2	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	22.7	22.6	-3.3	414.5	999.9	99.9	999.9	84.9	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	32.6	32.[illegible]	-5.5	418.3	999.9	99.9	999.9	85.3	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	27.6	27.[illegible]	-5.6	423.6	999.9	99.9	999.9	86.9	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	16.[illegible]	[illegible]	-6.7	427.7	999.9	99.9	999.9	87.4	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	11.5	8.6	-7.5	432.1	999.9	99.9	999.9	88.3	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	16.3	[illegible]	-7.3	436.7	999.9	99.9	999.9	88.9	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	16.5	[illegible]	-4.3	443.6	999.9	99.9	999.9	89.5	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	11.6	[illegible]	-3.5	448.6	999.9	99.9	999.9	90.2	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	15.6	15.2	-4.5	455.[illegible]	999.9	99.9	999.9	90.7	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	15.6	15.5	-4.[illegible]	[illegible]	999.9	99.9	999.9	91.5	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	15.7	15.6	-3.5	465.3	999.9	99.9	999.9	92.8	95.

* [illegible] ELEVATION ANGLE BETWEEN 6 AND 15 DEG
+ [illegible] TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** [illegible] ELEVATION ANGLE LESS THAN 6 DEG

Table 5. Concluded.

STATION NO. 11001
MARSHALL SFC. ALABAMA

1 MAY 1978
2315 GMT

163 43. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
71.0	142.0	19176.8	62.0	-61.1	99.9	275.0	7.5	7.5	-0.7	469.7	999.9	99.9	999.9	93.3	95.
72.0	143.0	19465.0	59.0	-60.9	99.9	269.9	9.9	9.3	-3.4	476.8	999.9	99.9	999.9	94.0	95.
73.0	144.0	19659.5	57.0	-60.6	99.9	341.7	6.6	2.1	-6.2	482.3	999.9	99.9	999.9	94.2	95.
74.1	145.0	20036.3	54.0	-60.4	99.9	298.0	9.4	8.3	-4.4	490.3	999.9	99.9	999.9	94.6	95.
75.2	146.0	20362.0	51.0	-61.1	99.9	330.0	3.9	1.9	-3.3	496.7	999.9	99.9	999.9	95.1	95.
76.5	147.0	20641.1	49.0	-60.0	99.9	24.4	2.7	-1.1	-2.5	504.9	999.9	99.9	999.9	94.7	96.
77.7	148.0	21036.6	46.0	-58.8	99.9	999.9	99.9	99.9	99.9	517.8	999.9	99.9	999.9	999.9	999.
78.9	149.0	21461.8	43.0	-57.0	99.9	999.9	99.9	99.9	99.9	531.7	999.9	99.9	999.9	999.9	999.

SOUNDING # 173 WAS COMPUTED

Table 6. Explanation of column headings of tabulated sounding data for the AVE VII experiment.

TIME (MIN)	Time after balloon release.
CNTCT	Contact number.
HEIGHT (GPM)	Height of corresponding pressure surface in geopotential meters.
PRES (MB)	Pressure in millibars.
TEMP (DEG C)	Ambient temperature in degrees Celsius. NOTE: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DEG C)	Dew-point temperature in degrees Celsius.
DIR (DEG)	Wind direction measured clockwise from true north and is the direction from which the wind is blowing.
SPEED (M/SEC)	Scalar wind speed in meters per second. NOTE: An asterisk indicates that wind quantities are based on an elevation angle that is between 10° and 6°. A double asterisk indicates that the elevation angle is less than 6°.
U COMP (M/SEC)	The E-W wind component, positive toward the east and negative toward the west.
V COMP (M/SEC)	The N-S wind component, positive toward the north and negative toward the south.
POT T (DEG K)	Potential temperature in degrees Kelvin.
E POT T (DEG K)	Equivalent potential temperature in degrees Kelvin.
MX RTO (GM/KG)	Mixing ratio in grams per kilogram.
RH (PCT)	Relative humidity in percent.
RANGE (KM)	Distance balloon is from release point along a radius vector.
AZ (DEG)	Direction toward balloon measured clockwise from true north.

Table 7. Soundings missing or terminated before completion.

Station	Date/GMT	Reason
Centerville, Alabama (229)	5/21 15Z	Complete sounding missing.
	5/21 18Z	Complete sounding missing.
	5/21 21Z	Complete sounding missing.
	5/31 00Z	Complete sounding missing.
Jackson, Mississippi (2[illegible])	5/31 00Z	Rawinsonde failure during thunderstorm. Flight terminated after 14.4 min.
Lake Charles, Louisiana (240)	5/31 00Z	Flight terminated after 11.0 min. Leaking balloon.
Stephenville, Texas (300)	5/31 00Z	Rawinsonde failure; abrupt signal failure during thunderstorm. Termination after 24.[illegible] min.
Midland, Texas (305)	5/31 15Z	Balloon forced down by icing. Flight terminated after 11.0 min.
Oklahoma City, Oklahoma (353)	5/31 21Z	Flight terminated after 15.0 min. Balloon icing.
	5/31 00Z	Balloon icing. Flight terminated after 12.1 min.
Amarillo, Texas (403)	5/31 18Z	Flight terminated after 10.0 min. Balloon forced down by icing.
Dodge City, Kansas (451)	5/31 00Z	Ground equipment failure. Flight terminated after 42.4 min.
North Platte, Nebraska (502)	5/31 15Z	Flight terminated after 4[illegible].0 min. Balloon leaking.
Marshall SPG, Alabama (11001)	5/31 12Z	Balloon burst. Flight terminated after 15.0 min.
	5/31 18Z	Flight terminated after 10.[illegible] min. Balloon burst.
	5/31 00Z	Balloon burst. Flight terminated after 18.4 min.
	5/31 12Z	Rawinsonde failure. Flight terminated after 04.0 min.

Table 7 Concluded.

Station	Date/GMT	Reason
College Station, Texas (33001)	5/31 03Z	Flight terminated after 13.3 min. Balloon in thunderstorm.
	5/31 12Z	Balloon icing. Flight terminated after 32.0 min.

The contact data interpolated for 25-mb intervals are presented following Section V. The column headings are identical to those used for the contact data and are described in Table 6. The soundings are arranged by time and appear in ascending order by station number for each time. The first line is surface data which is followed by data from 1000 to 25 mb. In cases where the surface pressure is less than the given 25-mb pressure value, missing data (nines) are indicated for each quantity. This is also done when the sounding terminated before the 25-mb level was reached.

C. Unusual Soundings. Even though the AVE VII data are of remarkable quality, one sounding appears to be of questionable accuracy, while others, on the basis of surface observations, moisture distributions with height, and variations in balloon ascent rate, appear to have been made in or near thunderstorms. These soundings are listed in Table 8.

Table 8. Unusual and in-or-near thunderstorm soundings.

Station	Date/Time (GMT)	Explanation
Omaha, Neb. (553)	03/0300	Temperatures and geopotential heights appear too high above 400 mb.
Boothville, La. (232)	03/1200	In or near thunderstorm
Jackson, Miss. (235)	03/0300	In or near thunderstorm
Longview, Tx. (247)	02/2100	In or near thunderstorm
Longview, Tx. (247)	03/0300	In or near thunderstorm
Stephenville, Tx. (260)	02/2100	In or near thunderstorm
Stephenville, Tx. (260)	03/0000	In or near thunderstorm

Table 8. Concluded.

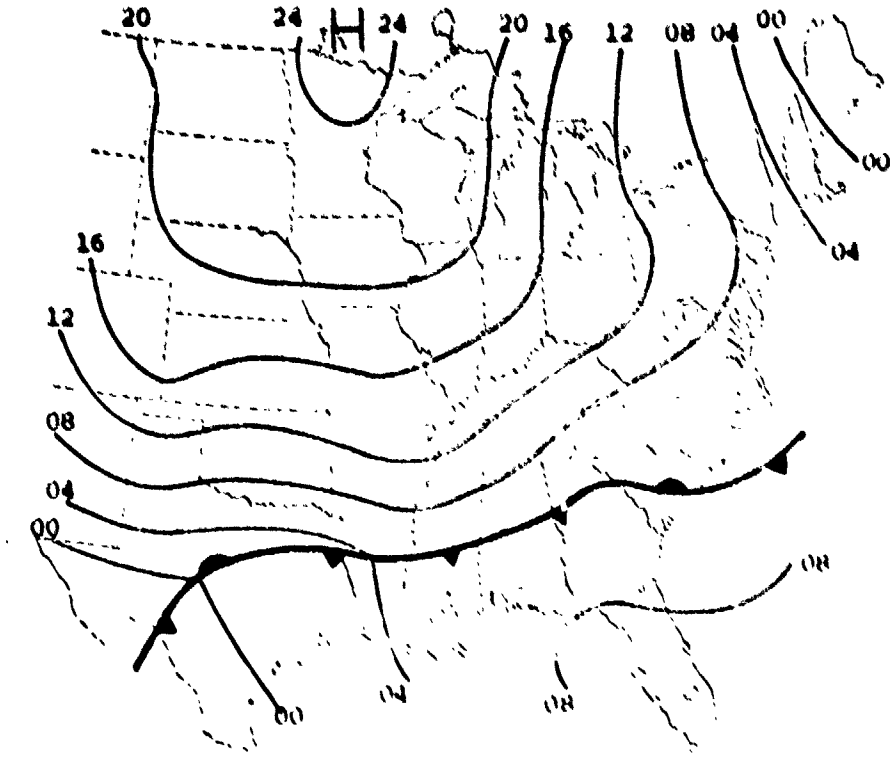
Station	Date/Time (GMT)	Explanation
Del Rio, Tx. (261)	03/0000	In or near thunderstorm
Midland, Tx. (265)	02/1500	In or near thunderstorm
Oklahoma City, Okla. (353)	03/0300	In or near thunderstorm
College Station, Tx. (33001)	03/0300	In or near thunderstorm

V. Synoptic Conditions and Observed Weather

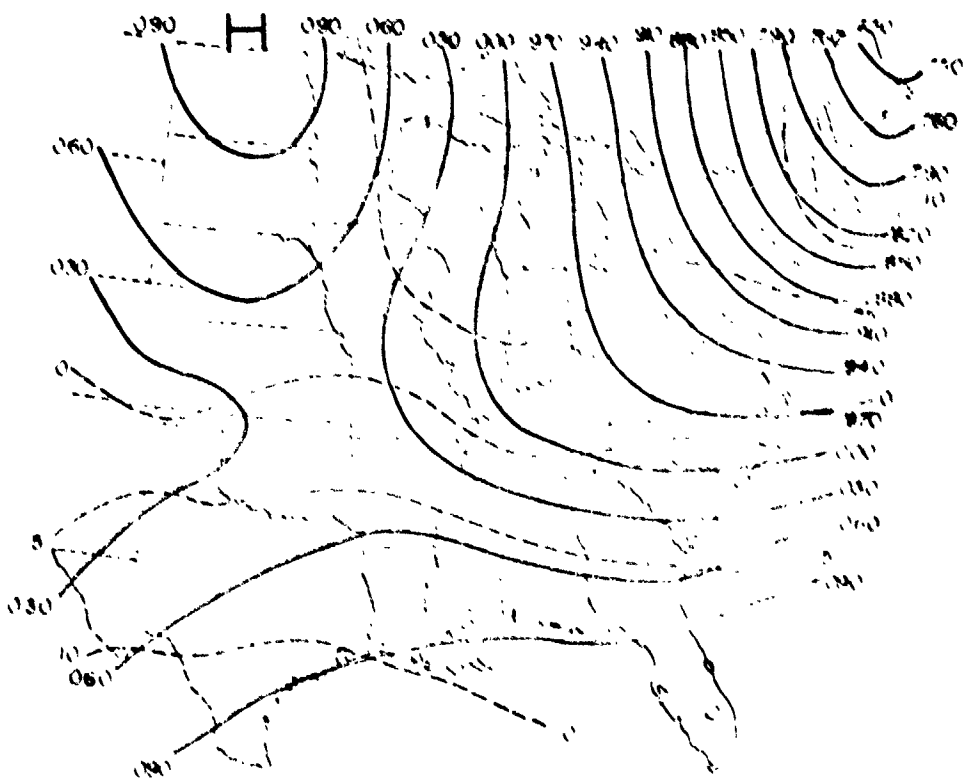
Surface- and 700-mb synoptic charts for the beginning and ending of the observational period, May 2 at 0000 GMT and May 3 at 1200 GMT, are presented in Figs. 2 and 3. The maps are simplified and depict only the overall synoptic situation existing at these times.

At the beginning of AVE VII, the primary synoptic features consisted of a cold-core low located over Arizona aloft which intensified with height, a large high pressure system over Minnesota and Southern Canada, a cold front moving through the Gulf Coast States at the surface, and low-level southerly flow ahead of the front. A jet stream was present at 200 mb with wind speeds of about 150 kt from west to east and located along and near the Gulf Coast. During the course of the experiment, the low moved eastward while the front became stationary along the coast but primarily over water. The jet stream remained near its initial position throughout the observational period.

Precipitation associated with the synoptic features was widespread and intense at times as the conditions were especially good for the development of convective activity. These conditions were caused by the low-level advection of moisture from the Gulf, the lift of the Gulf air by the cold front and within the low, and the intrusion of dry air aloft around the lower part of the low over the low-level moist air. At the beginning of AVE VII, thunderstorms were occurring in Southern Georgia and Florida in association with a squall line which had formed ahead of the cold front. Also associated with the front were showers in Central and Northern Texas and Mississippi, some locally severe with hail and funnel clouds reported. The intensity of these storms lessened during the evening hours but reformed by the afternoon of May 2.

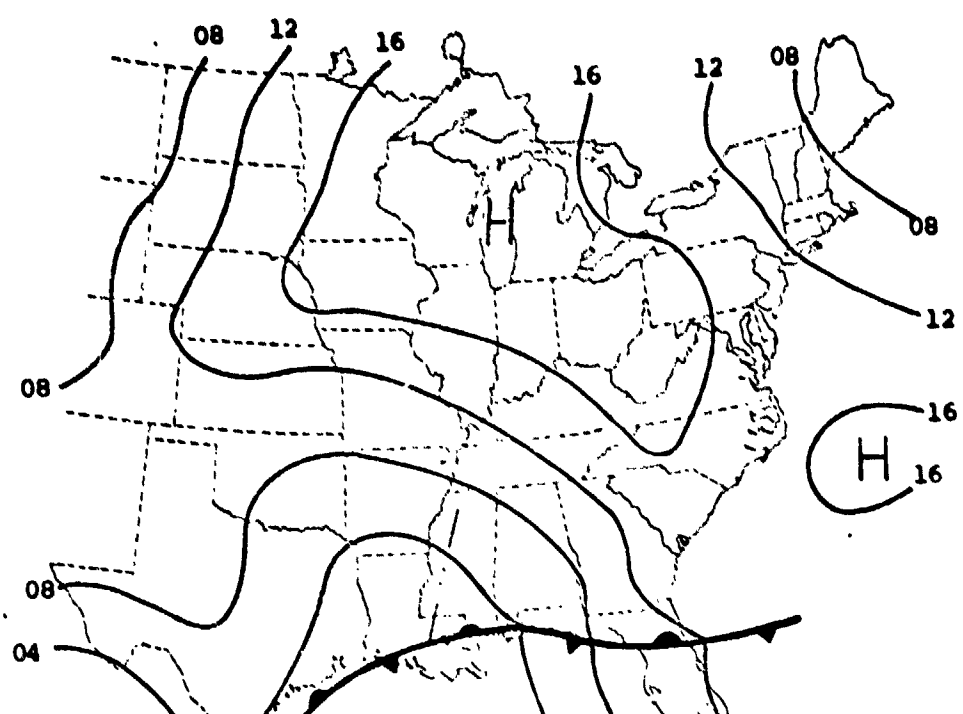


(a) Surface

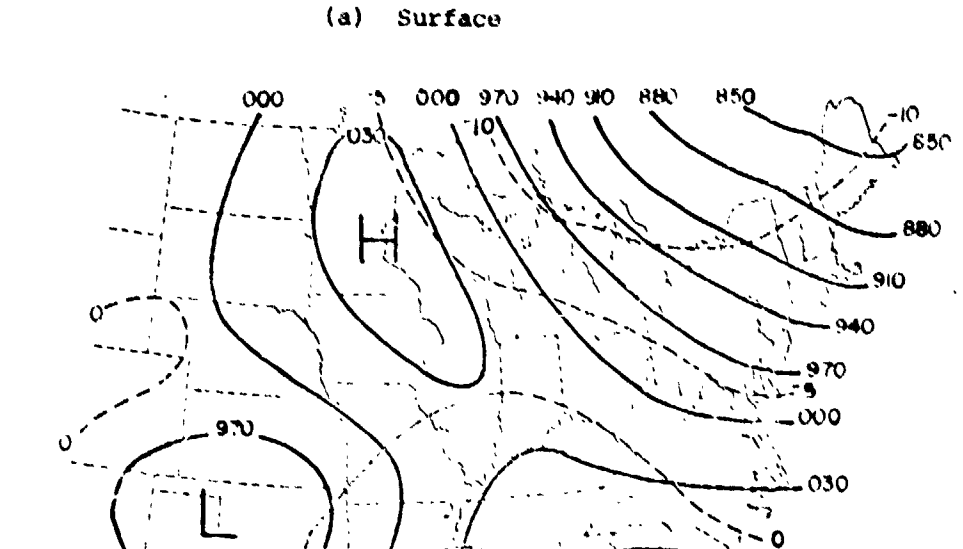


(b) 700 mb

Fig. 2. Synoptic charts for 0000 GMT, 2 May 1978.



(a) Surface



(b) 700 mb

Fig. 3. Synoptic charts for 1200 GMT, 3 May 1978.

A broad line of severe storms formed in West Texas during the morning of May 2 in conjunction with the eastward movement of the low in New Mexico and Arizona. The line steadily moved toward the east during the remainder of the observational period and was located over Mississippi and Louisiana at the completion of the experiment. Associated with these thunderstorms were numerous reports of severe weather, including hail, damaging winds, tornadoes, and flash floods. A partial listing of some of the severe and unusual weather events reported over teletype is given in Table 9.

Other conditions favoring severe weather of other types were the unseasonably cold temperatures associated with the polar air mass covering the eastern half of the country, and the large vertical motion associated with the cold-core low. These factors were responsible for snow in the Texas Panhandle and adjacent areas.

Acknowledgements

The reduction of the AVE VII data and preparation on this report required the diligent work of approximately 20 people. The authors would like to express their sincere appreciation to all who contributed to the completion of this process.

TABLE 9. Teletype reports taken from NOAA weather wire and national weather summaries of severe and unusual weather from 1200 GMT May 2 to 1200 GMT May 3, 1978

EVENT	LOCATION	TIME
MKC WW # 95	ALG & 70 EITHER SIDE OF A LINE FROM 50 MI S. MIDLAND TO 30 NNW OF MINERAL WELLS VALID 1200Z - 1800Z	02/1254Z
SEP RAREP	MAX TP 46M N. OF SAN ANGELO	02/1250Z
HAIL	1.5" HAIL & SVR TW @ BALLINGER, TX (REPT'D BY TEXAS DEPT OF PUBLIC SAFETY)	02/1405Z
HAIL	NMRS RPTS OF PEA-MARBLE SIZED HAIL AS WELL AS SOME 3/4" HAIL FROM NR PLAINVIEW TO LUBBOCK TO JUST NW OF CROSBYTON	02/1415Z
HAIL	MARBLE SIZED HAIL REPT'D BY MONAHANS P.D.	02/1415Z
SNOW	SNOW REPT'D IN N. N.M., IN PARTS OF COLO AND RW/TRW IN W. AND N. CENT TX.	02/1417Z
TORNADO	CRANE P.D. REPT'D A TORNADO 5 NW OF CRANE MOVG NE	02/1435Z
RAINFALL	TX 24 HR RAINFALL ENDING @ 1200Z AVALON - 1.58" CORSICANA - 1.51" EULESS - 1.02" HURST SPRINGS - 0.91" BUCHANAN DAM - 1.35" 4 NE MERTZON - 2.10" 10 NE MERTZON - 1.55" GRAPE CREEK - 2.65" ARDEN - 1.00"	02/1513Z
WINDS/HAIL	MIDLAND SVR TW WARNING OF NMRS REPT'S OF HIGH WINDS AND 1/4 - 1/2" HAIL AND VERY HEAVY RAINS BEING REPT'D TO THEIR OFFICE.	02/1530Z
HAIL	ABILENE-MARBLE TO GOLF BALL SIZED HAIL REPT'D IN COLEMAN	02/1530Z
HAIL	NAT'L WX SUMM REPT'D GOLF BALL SIZE HAIL AT SEMINOLE EARLIER IN THE MORNING	02/1606Z
TORNADO WATCH	MKC TORNADO WATCH #96 ISSUED FOR AREA ALG & 70 EITHER SIDE OF A LINE FROM 30N SANDERSON, TX TO 20 MI N. AUSTIN, TX VALID 1800 - 0000Z	02/1820Z
RAIN	6 HRLY TX RAINFALL: AMARILLO - 0.95" LUBBOCK - 1.65" MIDLAND - 0.70" SAN ANGELO - 0.51"	02/1830Z
HAIL	PEA SIZED TO 1/4" HAIL REPT'D OVER N. EL PASO @ 1805Z	02/1830Z

TABLE 9. Continued.

RAIN	HONDO RAREPS INDICATES RAINFALL RATES IN EXCESS OF 2"/HR	02/1935Z
FLASH FLOOD WATCH	SAN ANTONIO WSFO ISSUES A FLASH FLOOD WATCH N & W OF A COT - CLL LINE	
HAIL	SAN ANGELO WSO REPT'D PEA TO MARBLE SIZED HAIL @ GRAPE CREEK @ 1835Z AND @ 1900Z TX DPS REPT'D GOLF BALL SIZED HAIL @ GRAPE CREEK, SOME OF WHICH WAS RAGGED. (GRAPE CREEK IS 10N OF SJT)	02/1950Z
HAIL/WIND	1/2" HAIL & GUSTS TO 67 MPH @ DEL RIO @ 1935Z	02/1940Z
SNOW	DHT HAS REPT'D SNOW FOR PAST 3 HRS. 21Z TEMP EXTREMES IN TX = 33 @ DHT, 96@ LRD	02/2206Z
TORNADO WATCH #97	VALID 00Z - 06Z FROM 30N SAT - 50N GLS	02/2320Z
SVR [illegible]	HONDO RADAR INDICATES A SVR [illegible] 10N OF KNIPPA (IN UVALDE CO) W/ RAINFALL RATES IN EXCESS OF 2" PER HR	03/000Z
TORNADO WARNING	SAT WSFO RADAR INDICATED A PSBL TORNADO 5N OF YANCEY, TX (IN MEDIAN CO) MOVG EASTWARD @ ABOUT 30 MPH	03/0031Z
RAIN	AUS NWS ISSUED FLASH FLOOD WARNING UNTIL 05Z FOR TRAVIS, BLANCO, HAYS, AND WILLIAMSON COUNTIES. MORE THAN 1 1/2" HAD FALLEN IN THE AUSTIN AREA SINCE 0030Z.	03/0120Z
TORNADO	NAT'L WX SUMMARY REPT'D ONE TORNADO BRIEFLY TOUCHED DOWN NEAR CASTROVILLE, TX (25 SW OF SAT) @ 03/0020Z	03/0200Z
WIND	NAT'L WX SUMM REPT'D GUSTS OF NEAR 70 MPH @ HONDO TEXAS	03/0200Z
RAINFALL	NAT'L WX SUMM REPTS 6 HRLY RAINFALL (ENDING AT 03/0000Z) OF: NEARLY 1.5" @ LAUGHLIN AFB TX 1.42" @ DRT 1.20" @ CDS 1.15" @ MCB 1.12" @ FSI	
SNOW	NAT'L WX SUMM REPT'D DHT HAD 2" OF SNOW DURING THE AFTN	03/0200Z
FREEZE	NAT'L WX SUMM - FROST OR FREEZE WARNINGS FOR NE MISSOURI, ILL, IND, W.VA, AND W. MARYLAND	03/0200Z
TEMP	NAT'L WX SUMM - FT WORTHS MAX TEMP WAS 53°	03/0200Z
RAIN	AUS NWS REPTS > 1 1/2" OF RAIN SINCE 0030Z.	03/0120Z

TABLE 9. Concluded.

HAIL	AUS NWS REPTS PEA SIZED HAIL COVERING THE GROUND @ FREDERICKSBURG THIS AFTN AND GOLF BALL SIZED HAIL 5 SOUTH OF BERGSTROM AFB (TIME NOT SPECIFIED)	03/0200Z
HAIL	AUS NWS REPTS 1/2 HAIL @ JOHNSON CITY	03/0030Z
RAIN	SAT NWS REPTS 1" OR MORE IN A VERY SHORT TIME IN MUCH OF SAT W/ CONSIDERABLE STREET FLOODING	03/0120Z
WIND	SAT NWS REPTS GUSTS TO 56 MPH	03/0120Z
	SHV REPTS INCREASING COVERAGE AND INTENSITY IN ARK/LA/TX/OK AREA	03/0240Z
FUNNEL CLDS, HAIL, WINDS, FLASH FLOODING	SAT WSFO SUNM REPT NMRS FUNNEL CLD SIGHTINGS AND SOME HAIL AND VERY STRONG NORTHWESTERLY WINDS, AND AROUND AUSTIN AND NE OF TYLER	03/0300Z
WINDS	WINDS TO 60 MPH IN NW TARRANT (FT WORTH) COUNTY	03/0315Z
TORNADO	CRP RADAR INDICATES A PSBL TORNADO 15 WSW OF BENAVIDES MOVG E.	03/0348Z
WIND	DENTON RESIDENTS REPT'D WINDS OF 50-60 MPH, SOME TREES UPROOTED	03/0355Z
SNOW	NAT'L WX SUMM REPTS 10" OF SNOW NW OF DEL NORTE CO, COLO AS OF TUES EVENING AND 5" @ ALAMOSA, COLO	03/0800Z
WIND	NAT'L WX SUMM GUSTS TO 72 MPH @ PEARLAND (NEAR HOU) TIME NOT SPECIFIED)	
RAINFALL	IN 6 HRS ENDING @ 03/0600Z: 3.70" @ BILOXI, MS 2.15" @ AUSTIN, TX 1.55" @ COTULLA, TX 1.55" @ FT WORTH, TX 1.04" @ OKC 1.10" @ KELLY AFB, SAN ANTONIO	03/0800Z
FROST	NAT'L WX SUMMARY - FROST WARNING IN EFFECT FOR NW PORTION OF W. TX	03/0800Z
FREEZE	32° @ DALHART	03/0700Z

REFERENCES

Dupuis, L. R., and K. Hill, 1977: Data for NASA's AVE VI experiment: 25-mb sounding data and synoptic charts. NASA Technical Memorandum TM 78147. Marshall Space Flight Center, Alabama, 203 pp.

Fucik, N. F., and R. E. Turner, 1975: Data for NASA's AVE IV experiment: 25-mb sounding data and synoptic charts. NASA Technical Note TN D-8161. National Aeronautics and Space Administration, Washington, D. C., 51 pp.

_____, and _____, 1975: Data for NASA's AVSSE I experiment: 25-mb sounding data and synoptic charts. NASA Technical Note TN D-8155. National Aeronautics and Space Administration, Washington, D. C., 19 pp.

_____, and _____, 1975: Data for NASA's AVSSE II experiment: 25-mb sounding data and synoptic charts. NASA Technical Note TN D-8154.

Fuelberg, H. E., 1974: Reduction and error analysis of the AVE II pilot experiment data. NASA Contractor Report CR-120496. Marshall Space Flight Center, Alabama, 140 pp.

_____, and R. E. Turner, 1975: Data for NASA's AVE III experiment: 25-mb sounding data and synoptic charts. NASA TM X-64938, NASA, Marshall Space Flight Center, Alabama.

_____, and _____, 1975: Pressure contact data for NASA's Atmospheric Variability Experiment (AVE II). NASA Technical Note TN D-7914. National Aeronautics and Space Administration, Washington, D. C., 24 pp.

_____, C. K. Hill, R. E. Turner, and K. E. Long, 1975: Pressure contact sounding data for NASA's Atmospheric Variability Experiment (AVE III). NASA Technical Note TN D-8097. National Aeronautics and Space Administration, Washington, D. C., 15 pp.

_____, 1977: Atmospheric energetics in regions of intense convective activity. NASA Contractor Report CR-2826, National Aeronautics and Space Administration, Washington, D. C.

_____, and J. R. Scoggins, 1978: Kinetic energy budgets during the life cycle of intense convective activity. Mon. Wea. Rev., 106, 637-653.

Humbert, M. E., and K. Hill, 1977: Data for NASA's AVE V experiment: 25 mb sounding data and synoptic charts. NASA Technical Memorandum TM X-73370. Marshall Space Flight Center, Alabama, 211 pp.

McCown, M. S., and J. R. Scoggins, 1977: Gradients of meteorological parameters in convective and nonconvective areas. NASA Contractor Report CR-2818, National Aeronautics and Space Administration, Washington, D. C., 86 pp.

Overall, J. W., and J. R. Scoggins, 1975: Relationships between motion on isentropic surfaces from 3-h rawinsonde data and radar echoes. NASA Contractor Report CR-2558, National Aeronautics and Space Administration, Washington, D. C., 67 pp.

Read, W. L., and J. R. Scoggins, 1977: Vorticity imbalance and stability in relation to convection. NASA Contractor Report CR-2819, National Aeronautics and Space Administration, Washington, D. C., 111 pp.

Scoggins, J. R., and O. E. Smith, 1973a: Data for first NASA Atmospheric Variability Experiment (AVE I). Part I: Data tabulation. NASA Technical Memorandum TM X-2938, NASA, Washington, D. C.

_____, and _____, 1973b: Data for first NASA Atmospheric Variability Experiment (AVE I). Part II: Graphical presentation of data. NASA Technical Memorandum TM X-2948, National Aeronautics and Space Administration, Washington, D. C.

_____, H. E. Fuelberg, R. D. Carlson, R. W. Phelps, and D. G. Bellue, 1973: A compilation of studies from the Atmospheric Variability Experiment (AVE). NASA Contractor Report CR-2304. National Aeronautics and Space Administration, Washington, D. C., 235 pp.

_____, and R. E. Turner, 1975: 25-mb sounding data and synoptic charts for NASA's AVE II pilot experiment. NASA Technical Note TN D-7832. National Aeronautics and Space Administration, Washington, D. C., 530 pp.

Scott, R. W., and J. R. Scoggins, 1977: The moisture budget in relation to convection. NASA Contractor Report CR-2817, National Aeronautics and Space Administration, Washington, D. C., 88 pp.

Wilson, G. S., 1976: Large-scale vertical motion calculations in the AVE IV experiment. Geophys. Res. Lett., 3, 735-738.

_____, and J. R. Scoggins, 1976: Atmospheric structure and variability in areas of convective storms determined from 3-h rawinsonde data. NASA Contractor Report CR-2678, National Aeronautics and Space Administration, Washington, D. C., 118 pp.

Sounding Data

2 May 1978

0000 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

1 MAY 1978
2300 GMT

153 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	ENTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.8	7.8	1007.2	21.2	16.0	130.0	4.1	-3.1	2.6	293.8	323.5	11.4	72.0	0.0	0.
0.2	6.4	69.4	1000.0	21.0	16.2	999.9	99.9	99.9	99.9	294.2	324.7	11.7	74.0	999.9	999.
1.0	8.3	288.2	975.0	19.4	11.7	999.9	999.9	99.9	99.9	294.7	318.3	8.9	60.8	999.9	999.
1.9	10.3	512.8	950.0	19.2	12.4	999.9	999.9	99.9	99.9	296.7	322.2	9.6	64.6	0.3	296.
2.8	12.3	741.6	925.0	18.0	16.3	215.7	4.9	2.9	4.0	297.1	331.3	12.8	90.3	0.4	327.
3.6	14.3	976.3	900.0	16.5	14.3	237.3	7.5	6.3	4.1	298.5	329.2	11.5	87.1	0.5	3.
4.6	16.4	1216.7	875.0	15.6	13.7	247.1	10.7	9.9	4.2	300.0	330.4	11.3	88.0	0.9	33.
5.2	18.5	1462.8	850.0	14.5	9.0	247.7	11.9	11.0	4.5	301.3	324.7	8.6	69.9	1.3	45.
6.1	20.6	1715.5	825.0	14.3	9.6	250.4	11.5	10.9	3.9	303.7	328.8	9.2	73.5	1.9	52.
7.0	22.8	1975.1	800.0	12.6	7.8	260.1	11.7	11.5	2.0	304.6	327.7	8.3	72.6	2.5	58.
8.3	25.0	2241.7	775.0	11.9	7.2	272.3	13.4	13.3	-0.6	306.6	329.8	8.3	73.1	3.3	66.
9.4	27.3	2515.9	750.0	9.8	4.0	278.5	16.1	16.0	-2.4	307.2	326.7	6.9	67.3	4.2	73.
10.3	29.6	2797.3	725.0	8.5	-0.4	280.2	17.5	17.2	-3.1	308.8	323.7	5.2	53.5	5.0	77.
11.3	31.9	3086.6	700.0	6.9	-3.0	280.5	19.0	18.7	-3.5	310.1	323.0	4.4	49.5	6.0	81.
12.3	34.3	3384.5	675.0	5.0	-8.9	282.2	19.1	18.6	-4.0	311.2	320.1	2.9	36.1	7.2	85.
13.6	36.8	3691.1	650.0	2.9	-20.6	283.3	19.7	19.1	-4.5	312.2	315.9	1.1	15.7	8.6	88.
14.7	39.3	4007.1	625.0	0.3	-19.7	283.2	20.5	20.0	-4.7	312.8	316.9	1.3	20.6	10.0	90.
15.8	41.8	4332.8	600.0	-2.4	-20.7	282.8	20.3	19.8	-4.5	313.4	317.3	1.2	22.8	11.3	91.
17.1	44.4	4668.5	575.0	-5.6	-19.8	280.0	21.4	21.1	-3.7	313.5	317.9	1.4	32.1	12.8	93.
18.2	47.1	5015.4	550.0	-8.2	-13.6	274.1	21.4	21.4	-1.6	314.3	321.9	2.4	65.3	14.2	93.
19.4	49.9	5374.6	525.0	-11.5	-20.7	272.3	22.8	22.7	-0.9	314.6	319.0	1.4	46.3	15.8	93.
20.7	52.8	5746.7	500.0	-14.5	-24.9	274.1	24.3	24.3	-1.8	315.4	318.7	1.0	40.7	17.6	93.
22.1	55.6	6134.3	475.0	-16.2	-51.2	274.3	25.7	25.6	-1.9	318.0	318.3	0.1	4.0	19.7	93.
23.6	58.8	6538.7	450.0	-19.4	-51.4	272.9	27.9	27.8	-1.4	318.8	319.1	0.1	4.2	22.0	93.
25.2	61.9	6961.2	425.0	-22.5	-31.1	272.7	27.8	27.8	-1.3	320.2	322.5	0.7	45.0	24.9	93.
26.8	65.3	7404.1	400.0	-25.3	-36.3	276.4	30.7	30.5	-3.4	322.1	323.6	0.4	34.6	27.5	93.
28.4	68.4	7869.3	375.0	-29.1	-40.6	279.0	33.1	32.7	-5.2	323.0	324.1	0.3	31.9	30.6	94.
30.0	72.0	8358.5	350.0	-33.0	-48.4	273.4	31.9	31.8	-1.9	324.2	324.7	0.1	19.5	33.7	94.
31.8	75.6	8877.2	325.0	-36.3	-54.3	261.3	27.6	27.3	4.2	326.6	326.9	0.1	13.8	37.1	94.
33.6	79.5	9427.7	300.0	-40.4	99.9	246.8	18.2	16.8	7.2	328.4	999.9	99.9	999.9	39.3	92.
35.4	83.5	10016.8	275.0	-43.8	99.9	248.2	17.1	15.9	6..	331.8	999.9	99.9	999.9	41.0	91.
36.2	87.8	10649.7	250.0	-49.5	99.9	260.7	25.2	24.8	4.1	332.5	999.9	99.9	999.9	44.1	90.
40.5	92.4	11332.1	225.0	-54.6	99.9	272.9	32.2	32.2	-1.6	334.9	999.9	99.9	999.9	48.2	90.
42.8	97.4	12079.3	200.0	-58.6	99.9	276.2	36.4	36.2	-3.9	339.9	999.9	99.9	999.9	52.9	90.
45.3	102.8	12908.8	175.0	-62.0	99.9	275.2	53.4	53.2	-4.9	347.6	999.9	99.9	999.9	59.4	91.
48.4	108.8	13862.6	150.0	-62.2	99.9	283.6	51.9	50.4	-12.2	363.0	999.9	99.9	999.9	70.1	92.
52.4	115.7	14975.9	125.0	-67.1	99.9	278.8	32.4	32.1	-5.0	373.4	999.9	99.9	999.9	79.0	93.
56.7	123.3	16336.6	100.0	-62.2	99.9	275.8	29.6	29.5	-3.0	407.5	999.9	99.9	999.9	87.6	94.
62.2	132.3	18097.4	75.0	-65.5	99.9	300.5	16.9	14.6	-8.6	435.7	999.9	99.9	999.9	94.1	94.
69.5	142.3	20594.4	50.0	-61.3	99.9	310.3	6.0	4.6	-3.9	499.2	999.9	99.9	999.9	96.4	95.
80.8	152.3	25038.4	25.0	-50.2	99.9	999.9	999.9	99.9	99.9	640.9	999.9	99.9	999.9	97.6	95.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

1 MAY 1978
2300 GMT

164 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.4	1.8	1005.4	25.8	22.5	190.0	6.7	1.2	6.6	298.3	343.6	17.4	83.8	0.0	0.
0.3	4.8	49.6	1000.0	24.6	22.3	999.9	99.9	99.9	99.9	297.8	342.6	17.2	86.7	999.9	999.
1.0	6.8	271.1	975.0	22.7	22.3	999.9	999.9	99.9	99.9	298.0	344.1	17.7	97.7	999.9	999.
1.6	9.0	497.6	950.0	20.6	20.3	999.9	999.9	99.9	99.9	298.1	340.1	16.0	98.1	999.9	999.
2.5	11.1	726.7	925.0	19.3	19.0	234.3	5.4	4.4	3.1	299.0	338.8	15.1	98.2	1.0	28.
3.3	13.4	960.9	900.0	17.6	17.3	234.6	5.8	4.7	3.3	299.7	336.8	14.0	98.1	1.2	34.
4.1	15.6	1205.9	875.0	16.7	8.4	222.9	6.6	4.5	4.8	301.1	323.2	8.1	59.6	1.5	37.
5.1	17.9	1462.7	850.0	17.0	-6.4	221.0	6.7	4.4	5.0	303.9	312.1	2.8	19.6	1.9	37.
5.9	20.3	1707.3	825.0	16.2	-14.8	235.6	7.0	5.8	4.0	307.9	312.5	1.5	9.4	2.2	39.
6.9	22.6	1965.8	800.0	16.9	-11.5	269.9	5.9	5.9	0.1	309.2	315.3	2.0	13.2	2.5	43.
8.0	25.1	2239.0	775.0	15.6	-13.0	292.8	4.9	4.5	-1.9	310.0	315.6	1.8	13.2	2.7	50.
9.2	27.5	2515.1	750.0	12.7	-17.7	284.8	4.0	3.8	-1.0	310.3	314.4	1.3	10.6	2.9	55.
10.2	30.1	2792.6	725.0	11.0	-38.8	269.5	5.1	5.1	0.0	311.5	312.2	0.2	1.6	3.1	58.
11.3	32.9	3068.5	700.0	9.4	-44.2	276.7	7.1	7.0	-0.8	312.9	313.3	0.1	1.8	3.4	62.
12.4	35.5	3339.3	675.0	6.8	-45.3	287.3	8.8	8.4	-2.6	313.2	313.6	0.1	1.8	3.8	67.
13.5	38.1	3607.6	650.0	4.1	-35.3	293.7	9.9	9.0	-4.0	313.6	314.7	0.3	3.9	4.3	73.
14.7	40.9	3873.9	625.0	1.4	-49.1	297.4	10.5	9.3	-4.8	314.1	314.3	0.1	1.8	4.9	79.
16.0	43.7	4140.4	600.0	-1.6	-51.0	297.5	11.1	9.9	-5.1	314.3	314.5	0.1	1.8	5.5	84.
17.4	46.9	4407.4	575.0	-4.6	-52.9	300.8	13.0	11.2	-6.7	314.6	314.7	0.0	1.8	6.4	89.
18.9	50.0	5025.0	550.0	-7.7	-42.9	297.5	16.2	14.4	-7.5	315.0	315.5	0.2	4.0	7.4	94.
20.3	53.0	5383.8	525.0	-9.4	-43.7	288.2	18.9	18.0	-5.9	317.1	317.6	0.1	4.2	9.0	97.
21.9	56.1	5761.0	500.0	-12.3	-24.2	999.9	999.9	99.9	99.9	318.1	321.6	1.1	36.3	999.9	999.
23.2	59.6	6151.4	475.0	-14.7	-34.2	999.9	999.9	99.9	99.9	319.8	321.4	0.4	17.2	999.9	999.
24.7	63.1	6558.9	450.0	-17.8	-53.8	999.9	999.9	99.9	99.9	321.8	322.1	0.1	2.5	999.9	999.
26.3	66.5	6985.1	425.0	-20.2	-62.8	999.9	999.9	99.9	99.9	323.1	323.1	0.0	1.0	999.9	999.
27.9	70.2	7430.5	400.0	-24.1	-65.3	999.9	999.9	99.9	99.9	323.7	323.8	0.0	1.0	999.9	999.
29.5	74.0	7897.8	375.0	-28.6	-58.6	999.9	999.9	99.9	99.9	324.6	324.7	0.0	3.5	999.9	999.
31.9	78.2	8386.2	350.0	-32.3	-54.2	999.9	999.9	99.9	99.9	325.2	325.4	0.1	9.2	999.9	999.
34.3	82.2	8907.8	325.0	-36.1	-61.8	999.9	999.9	99.9	99.9	326.9	327.1	0.0	5.1	999.9	999.
36.1	86.5	9456.3	300.0	-40.9	99.9	999.9	999.9	99.9	99.9	327.8	999.9	99.9	999.9	999.9	999.
38.6	91.2	.0034.6	275.0	-46.0	99.9	999.9	999.9	99.9	99.9	328.6	999.9	99.9	999.9	999.9	999.
41..	96.8	10670.8	250.0	-50.7	99.9	999.9	999.9	99.9	99.9	330.7	999.9	99.9	999.9	999.9	999.
43.9	101.2	11351.8	225.0	-53.3	99.9	999.9	999.9	99.9	99.9	336.9	999.9	99.9	999.9	999.9	999.
47.1	107.0	12104.1	200.0	-56.8	99.9	999.9	999.9	99.9	99.9	342.8	999.9	99.9	999.9	999.9	999.
50.5	113.0	12941.3	175.0	-62.6	99.9	999.9	999.9	99.9	99.9	347.7	999.9	99.9	999.9	999.9	999.
54.1	119.7	13881.7	150.0	-67.3	99.9	999.9	999.9	99.9	99.9	354.3	999.9	99.9	999.9	999.9	999.
58.5	127.8	14979.7	125.0	-68.1	99.9	999.9	999.9	99.9	99.9	371.6	999.9	99.9	999.9	999.9	999.
6..7	1..3	16322.2	100.0	-67.7	99.9	999.9	999.9	99.9	99.9	397.8	999.9	99.9	999.9	999.9	999.
70.1	143.3	18069.9	75.0	-64.4	99.9	999.9	999.9	99.9	99.9	437.9	999.9	99.9	999.9	999.9	999.
76.3	152.7	20588.5	50.0	-59.7	99.9	999.9	999.9	99.9	99.9	502.8	999.9	99.9	999.9	999.9	999.
80.4	162.3	25320.1	25.0	-50.0	99.9	999.9	999.9	99.9	99.9	641.2	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

1 MAY 1978
2355 GMT

161 14. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	[illegible]	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTG GM/KG	RH PCT	RANGE KM	AZ DG
[illegible]	[illegible]	[illegible]	[illegible]	24.2	[illegible]	[illegible]	1.1	-1.1	-5.2	297.9	331.6	12.8	44.6	0.0	0.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	999.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	999.9	99.9	99.9	298.3	333.8	13.4	73.2	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	999.9	99.9	99.9	298.5	333.6	13.6	76.3	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	999.5	99.9	99.9	298.4	333.9	13.3	86.8	6.2	217.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.4	-1.4	299.6	334.5	13.1	92.4	6.2	175.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.5	4.5	-5.2	301.2	335.8	12.9	93.1	0.5	126.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.2	9.0	-6.9	302.5	334.5	11.9	92.8	0.9	139.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.2	9.0	-1.6	302.4	332.3	15.8	92.4	1.4	135.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.5	9.4	-1.2	303.1	324.2	7.6	72.4	1.9	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8.8	8.7	-1.2	307.1	313.1	2.5	14.8	2.2	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.3	-1.2	304.1	[illegible]	1.5	3.6	2.9	151.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.2	-2.1	305.6	311.8	5.7	7.9	3.6	156.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14.3	-5.6	307.5	309.9	4.1	[illegible]	4.6	151.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16.7	16.4	-4.1	[illegible]	312.1	6.5	7.5	5.7	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.6	-4.1	[illegible]	311.6	6.2	3.7	7.5	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19.2	-4.9	[illegible]	[illegible]	1.1	19.3	8.6	157.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.2	21.5	-5.2	312.9	314.9	5.7	14.5	9.9	151.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.4	-4.5	312.9	[illegible]	5.7	14.5	11.4	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.5	-5.9	[illegible]	315.4	5.4	15.7	13.5	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.4	-4.9	313.5	[illegible]	5.7	23.6	15.6	157.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27.3	26.6	-6.6	[illegible]	317.5	5.7	3.4	17.7	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.5	25.8	-4.2	316.1	319.9	1.2	54.7	20.2	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29.9	29.5	-7.1	[illegible]	325.4	1.5	63.2	22.9	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	32.9	-4.4	[illegible]	321.5	5.4	44.2	25.9	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34.2	-4.9	[illegible]	322.2	5.8	[illegible]	25.5	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35.5	-9.0	321.6	323.4	5.5	3.5	35.5	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	37.5	-13.9	324.6	324.2	5.5	7.5	37.2	157.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.2	37.6	-14.8	325.1	325.3	6.5	8.2	40.8	153.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44.2	-15.0	326.7	999.9	99.9	999.9	47.5	150.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.5*	44.1	-15.5	328.2	999.9	99.9	999.9	52.1	150.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42.5*	45.0	-18.1	329.3	999.9	99.9	999.9	59.9	155.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.5*	45.0	-15.5	332.4	999.9	99.9	999.9	67.5	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48.4*	47.6	-11.1	337.5	999.9	99.9	999.9	75.3	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.6*	45.5	-4.8	347.2	999.9	99.9	999.9	83.8	155.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.1*	34.5	-4.5	362.5	999.9	99.9	999.9	92.2	155.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.7*	25.6	-1.0	377.7	999.9	99.9	999.9	99.6	164.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23.5*	27.7	-4.2	458.0	999.9	99.9	999.9	107.6	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.3*	15.0	-2.6	430.5	999.9	99.9	999.9	115.3	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.3*	5.6	-4.7	561.7	999.9	99.9	999.9	117.6	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.7	2.0	8.4	646.6	999.9	99.9	999.9	118.6	154.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

1 MAY 1978
2300 GMT

149 12. 1

ANGLES GN THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	Dew PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.3	5.0	1002.5	26.1	20.7	170.0	6.7	-1.2	6.6	299.0	339.8	15.5	72.0	0.0	0.
0.1	6.5	27.1	1000.0	25.9	20.8	999.9	99.9	99.9	99.9	299.1	340.4	15.7	73.7	999.9	999.
0.8	8.5	250.2	975.0	23.1	20.8	999.9	999.9	99.9	99.9	298.4	340.6	16.1	86.8	999.9	999.
1.6	10.5	476.5	950.0	21.5	19.8	999.9	999.9	99.9	99.9	299.0	339.8	15.5	89.9	999.9	999.
2.5	12.5	708.8	925.0	20.4	19.0	121.4	5.1	-4.3	2.7	300.2	340.4	15.2	92.0	1.0	321.
3.4	14.5	945.6	900.0	18.6	17.0	138.5	4.0	-2.6	3.0	300.7	337.3	13.7	90.4	1.2	318.
4.2	16.6	1188.5	875.0	19.3	14.0	171.6	3.0	-0.4	3.0	303.9	335.6	11.7	71.8	1.4	19.
5.0	18.7	1438.6	850.0	20.7	3.1	184.5	3.2	0.3	3.2	307.8	324.0	5.6	31.2	1.5	323.
6.1	20.8	1696.3	825.0	19.9	1.3	194.9	3.1	0.8	3.0	309.6	324.5	5.1	28.9	1.7	328.
7.1	23.0	1960.1	800.0	18.4	-8.9	204.5	4.3	1.8	3.9	310.8	318.2	2.4	14.7	1.8	333.
8.1	25.3	2230.7	775.0	16.4	-11.0	227.9	6.0	4.4	4.0	311.5	318.1	2.1	14.1	2.0	341.
9.1	27.5	2508.5	750.0	14.6	-9.8	252.4	6.9	6.6	2.1	312.4	319.8	2.4	17.5	2.1	352.
10.1	29.8	2793.2	725.0	11.9	-11.0	262.6	8.2	8.1	1.1	312.6	319.6	2.3	18.8	2.1	4.
11.0	32.1	3085.2	700.0	9.1	-12.3	267.7	9.6	9.6	0.4	312.5	319.1	2.1	20.6	2.3	17.
12.1	34.5	3384.5	675.0	6.4	-13.4	264.7	11.2	11.2	1.0	312.8	319.1	2.0	22.6	2.6	31.
13.0	36.9	3693.0	650.0	4.5	-16.3	260.5	13.1	12.9	2.2	314.0	318.5	1.4	17.2	3.1	43.
14.4	39.4	4010.7	625.0	1.5	-21.0	266.1	14.4	14.3	1.0	314.2	317.9	1.1	16.7	3.9	52.
15.6	42.0	4337.8	600.0	-1.0	-22.6	275.4	16.2	16.1	-1.5	314.9	318.3	1.0	17.5	4.8	60.
16.8	44.6	4675.8	575.0	-3.8	-22.7	282.6	17.6	17.2	-3.8	315.6	319.1	1.1	21.4	5.8	66.
18.0	47.2	5024.6	550.0	-6.3	-26.9	283.2	18.3	17.8	-4.2	316.6	318.8	0.6	14.7	6.9	74.
19.4	50.0	5386.8	525.0	-8.7	-24.5	277.0	18.9	18.8	-2.3	318.0	321.3	1.0	26.4	8.3	79.
20.6	52.8	5763.2	500.0	-11.6	-25.7	275.5	20.0	19.9	-1.9	319.0	322.1	0.9	29.6	9.7	81.
21.9	55.7	6154.1	475.0	-14.7	-27.3	275.2	20.3	20.2	-1.8	319.8	322.7	0.8	33.1	11.2	83.
23.2	58.6	6560.5	450.0	-17.9	-34.3	270.6	21.4	21.4	-0.2	320.7	322.3	0.5	22.1	12.9	85.
24.7	61.8	6982.9	425.0	-21.1	-37.5	269.6	21.4	21.3	2.0	321.9	323.2	0.4	21.2	14.7	85.
26.1	64.9	7430.5	400.0	-24.2	-41.8	261.2	21.4	21.2	3.3	323.5	324.4	0.2	17.9	16.6	85.
27.7	68.1	7897.1	375.0	-28.2	-45.5	264.0	22.1	22.0	2.3	324.2	324.9	0.2	17.2	18.5	84.
29.3	71.6	8383.9	350.0	-31.4	-46.9	272.2	24.8	24.8	-1.0	326.4	327.0	0.2	19.8	20.9	85.
31.1	75.2	8904.2	325.0	-36.2	-49.3	279.9	25.7	25.3	-4.4	326.8	327.3	0.1	24.3	23.5	86.
33.2	79.0	9457.8	300.0	-40.7	99.9	281.8	29.2	28.8	-6.0	328.1	999.9	99.9	999.9	26.7	88.
35.4	83.0	10044.5	275.0	-4 .2	99.9	281.1	32.5	31.9	-6.3	329.7	999.9	99.9	999.9	30.6	90.
37.7	87.2	10674.8	250.0	-49.7	99.9	280.9	37.9	37.2	-7.2	332.2	999.9	99.9	999.9	35.3	91.
40.0	91.8	11356.2	225.0	-53.5	99.9	282.4	41.5	40.5	-8.9	336.5	999.9	99.9	999.9	40.7	93.
42.4	96.6	12109.8	200.0	-57.1	99.9	276.8	49.6	49.2	-5.9	342.3	999.9	99.9	999.9	47.0	94.
45.2	102.0	12944.7	175.0	-61.9	99.9	272.8	60.4	60.4	-2.9	347.8	999.9	99.9	999.9	56.4	94.
48.4	107.8	13887.8	150.0	-66.4	99.9	271.7	56.4	56.3	-1.6	355.7	999.9	99.9	999.9	68.1	93.
52.1	114.3	14986.7	125.0	-67.5	99.9	272.9	41.9	41.9	-2.1	372.9	999.9	99.9	999.9	79.6	93.
56.8	121.7	16333.8	100.0	-66.9	99.9	266.9	23.0	23.0	1.2	398.5	999.9	99.9	999.9	87.4	93.
62.4	130.0	18079.8	75.0	-64.7	99.9	279.1	16.2	16.0	-2.5	437.2	999.9	99.9	999.9	94.0	92.
70.0	139.5	20574.0	50.0	-59.1	99.9	313.4	6.9	5.0	-4.7	504.3	999.9	99.9	999.9	96.8	93.
82.0	149.0	25002.5	25.0	-50.2	99.9	999.9	999.9	99.9	99.9	640.4	999.9	99.9	999.9	98.9	94.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

1 MAY 1978
2300 GMT

162 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PO. T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	124.0	986.8	28.3	19.5	70.0	4.1	-3.9	-1.4	302.4	341.6	14.6	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.9	248.8	975.0	27.0	18.2	999.9	999.9	99.9	99.9	302.4	339.0	13.6	58.5	999.9	999.
1.6	11.2	478.1	950.0	24.5	16.7	999.9	999.9	99.9	99.9	302.0	336.3	12.7	62.1	999.9	999.
2.5	13.5	711.6	925.0	22.4	16.2	72.8	3.9	-3.7	-1.1	302.2	336.4	12.7	68.2	0.6	252.
3.4	16.0	949.5	900.0	20.4	15.7	74.2	3.7	-3.6	-1.0	302.5	336.5	12.8	74.5	0.8	253.
4.4	18.4	1192.4	875.0	17.8	14.4	66.9	3.0	-2.2	-2.0	302.3	334.5	11.9	80.5	1.0	252.
5.3	20.8	1440.3	850.0	16.6	7.0	351.9	2.0	0.3	-1.9	303.6	324.4	7.5	53.6	1.1	247.
6.3	23.3	1695.2	825.0	16.0	-16.6	280.4	2.5	2.5	-0.5	307.6	311.5	1.3	8.1	1.0	242.
7.4	25.8	1956.9	800.0	16.3	-18.5	261.2	3.8	3.8	0.6	308.5	312.1	1.1	7.7	0.8	236.
8.4	28.3	2225.4	775.0	14.5	-17.9	269.9	4.6	4.6	0.0	309.4	313.2	1.2	9.1	0.6	225.
9.6	30.9	2500.7	750.0	12.2	-16.6	261.4	5.9	5.8	0.9	309.9	314.2	1.4	11.7	0.4	192.
10.6	33.6	2783.0	725.0	9.5	-8.9	247.7	8.7	8.1	3.3	309.9	318.1	2.7	26.3	0.5	134.
11.7	36.2	3072.9	700.0	7.6	-14.6	239.4	11.5	9.9	5.9	310.9	316.4	1.8	18.8	0.9	89.
13.0	38.9	3370.9	675.0	5.3	-14.5	241.1	12.2	10.7	5.9	311.5	317.3	1.8	22.3	1.8	75.
14.1	41.6	3677.1	650.0	2.1	-14.8	242.0	13.2	11.7	6.2	311.3	317.1	1.9	27.3	2.6	70.
15.3	44.6	3992.1	625.0	-0.6	-11.4	246.8	14.3	13.1	5.6	311.8	319.6	2.5	43.6	3.6	68.
16.6	47.4	4316.9	600.0	-3.5	-9.8	254.2	15.7	15.1	4.3	312.0	321.3	3.1	61.9	4.7	69.
17.9	50.4	4651.8	575.0	-5.9	-15.4	262.4	16.5	16.3	2.2	313.1	319.4	2.0	47.2	6.0	71.
19.2	53.4	4996.3	550.0	-8.6	-24.2	263.7	17.2	17.1	1.9	313.9	317.1	1.0	27.1	7.4	73.
20.6	56.5	5351.5	525.0	-10.5	-22.5	264.0	19.8	19.7	2.1	315.9	319.7	1.2	36.3	9.0	75.
22.2	59.6	5721.3	500.0	-12.9	-23.6	264.7	21.8	21.7	2.0	317.3	321.0	1.1	40.3	10.8	77.
23.7	62.9	6120.5	475.0	-15.5	-31.7	269.4	22.1	22.1	0.2	318.7	320.7	0.6	23.4	12.8	78.
25.3	66.3	6525.9	450.0	-18.6	-34.2	271.9	24.3	24.3	-0.8	319.8	321.4	0.5	23.9	14.9	80.
26.9	69.6	6949.4	425.0	-22.0	-35.0	274.4	24.8	24.7	-1.9	320.8	322.4	0.5	29.5	17.2	82.
28.7	73.2	7391.8	400.0	-25.5	-39.6	272.4	25.6	25.6	-1.1	321.9	323.0	0.3	25.2	19.8	84.
30.4	76.9	7856.5	375.0	-29.5	-37.5	275.8	25.7	25.6	-2.6	322.6	324.0	0.4	46.0	22.4	85.
32.4	80.7	8345.4	350.0	-33.0	-36.4	281.7	28.8	28.2	-5.8	324.2	325.9	0.5	71.2	25.5	86.
34.3	84.7	8862.8	325.0	-36.7	-40.1	281.7	32.2	31.6	-6.5	326.1	327.3	0.4	70.6	28.9	88.
36.2	88.8	9411.8	300.0	-41.2	99.9	282.8	34.2	33.3	-7.6	327.3	999.9	99.9	999.9	32.6	90.
38.3	93.2	9996.5	275.0	-45.9	99.9	280.8	39.3	38.6	-7.3	328.8	999.9	99.9	999.9	37.0	91.
40.4	97.8	10622.6	250.0	-51.3	99.9	279.6	41.3	40.7	-6.9	329.9	999.9	99.9	999.9	42.3	92.
43.1	102.8	11300.5	225.0	-55.4	99.9	274.3	45.8	45.6	-3.5	333.6	999.9	99.9	999.9	49.0	93.
45.6	108.0	12041.8	200.0	-60.6	99.9	274.0	47.9	47.7	-3.3	336.8	999.9	99.9	999.9	57.1	93.
49.0	113.8	12869.1	175.0	-63.0	99.9	273.9	40.0	39.9	-2.7	345.9	999.9	99.9	999.9	65.4	93.
52.1	119.5	13695.8	150.0	-65.8	99.9	269.5	40.1	40.1	0.3	354.8	999.9	99.9	999.9	72.2	93.
55.8	124.3	14520.2	125.0	-65.4	99.9	276.4	30.0*	29.8	-3.3	376.6	999.9	99.9	999.9	81.1	93.
60.3	129.0	15277.3	100.0	-64.5	99.9	273.4	20.8	20.8	-1.2	403.2	999.9	99.9	999.9	86.4	93.
65.7	142.7	18042.4	75.0	-63.8	99.9	282.4	13.8	13.5	-3.0	439.2	999.9	99.9	999.9	92.5	93.
73.3	152.3	20547.2	50.0	-60.5	99.9	289.7	4.9	4.8	-1.6	501.0	999.9	99.9	999.9	94.4	94.
85.6	162.5	24678.7	25.0	-50.8	99.9	999.9	999.9	99.9	99.9	638.9	999.9	99.9	999.9	97.2	94.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

1 MAY 1978
2300 GMT

151 15. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	33.0	996.7	28.2	21.0	120.0	6.1	-5.3	3.0	301.6	344.0	15.9	65.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.8	6.5	220.8	975.0	26.3	21.1	999.9	999.9	99.9	99.9	301.7	345.1	16.4	72.9	999.9	999.
1.8	10.6	458.1	950.0	24.3	20.1	999.9	999.9	99.9	99.9	301.9	343.9	15.8	77.1	999.9	999.
2.7	12.7	692.0	925.0	22.8	19.7	115.1	5.5	-5.0	2.3	302.7	345.0	15.8	82.5	1.2	300.
3.5	14.8	931.2	900.0	21.4	19.3	94.7	4.7	-4.7	0.4	303.6	346.2	15.9	87.9	1.4	297.
4.4	16.9	1170.6	875.0	19.8	15.7	120.4	3.4	-2.9	1.7	304.4	339.7	13.0	77.3	1.6	294.
5.3	19.2	1427.1	850.0	23.7	-4.8	195.2	4.3	1.1	4.1	311.0	320.4	3.1	14.6	1.7	298.
6.2	21.4	1686.5	825.0	22.0	-4.6	213.2	5.9	3.3	5.0	311.8	321.8	3.3	16.4	1.7	309.
7.1	23.6	1952.2	800.0	20.1	-6.4	218.2	7.6	4.7	5.9	312.6	321.6	3.0	16.1	1.8	320.
8.1	25.8	2224.3	775.0	18.1	-9.2	228.6	9.0	6.8	5.9	313.3	327.7	4.9	29.0	1.9	335.
9.0	28.3	2503.8	750.0	16.0	-11.7	236.2	9.5	7.9	5.3	314.0	330.5	2.1	13.7	2.1	349.
10.0	30.7	2790.2	725.0	13.8	-14.1	238.0	10.5	8.9	5.6	314.6	320.2	1.8	13.0	2.3	2.
10.9	33.1	3084.2	700.0	11.4	-13.6	232.2	12.6	10.0	7.7	315.2	321.2	1.9	15.9	2.8	13.
12.0	35.6	3386.5	675.0	9.2	-18.1	230.7	14.1	10.9	8.9	315.9	320.3	1.4	12.7	3.5	22.
13.1	38.2	3697.2	650.0	6.1	-20.2	234.1	13.8	11.2	8.1	315.9	319.8	1.2	12.5	4.3	28.
14.3	40.7	4016.9	625.0	3.5	-20.2	238.2	14.3	12.2	7.6	316.4	320.4	1.2	15.7	5.2	33.
15.6	43.4	4346.3	600.0	0.7	-22.6	242.5	15.8	14.0	7.3	316.9	320.4	1.1	15.8	6.3	38.
16.8	46.1	4686.6	575.0	-0.8	-26.7	242.3	16.6	14.7	7.7	319.1	321.2	0.6	9.8	7.4	42.
18.1	48.9	5039.9	550.0	-3.3	-24.3	244.7	16.4	14.8	7.0	320.1	323.4	1.0	17.9	8.6	45.
19.3	51.7	5406.7	525.0	-0.6	-24.3	253.6	16.5	16.2	3.3	320.5	323.9	1.0	22.8	9.6	48.
20.6	54.6	5785.1	500.0	-0.9	-28.5	264.2	19.4	19.3	2.0	322.2	324.6	0.7	18.6	10.9	52.
22.0	57.6	6180.5	475.0	-11.5	-34.4	260.6	20.3	20.0	3.3	323.7	325.3	0.4	13.0	12.3	56.
23.3	60.6	6592.9	450.0	-14.2	-38.8	259.0	20.5	20.1	3.9	325.4	326.5	0.3	10.3	13.8	59.
24.7	63.9	7023.5	425.0	-17.8	-41.3	260.7	21.2	20.9	3.4	326.1	327.0	0.2	10.7	15.5	61.
26.3	67.1	7473.2	400.0	-21.6	-44.1	266.3	21.5	21.5	1.4	326.7	327.3	0.2	11.1	17.3	64.
28.1	70.6	7944.9	375.0	-25.5	-47.0	268.7	20.8	20.8	0.5	327.8	328.4	0.1	11.2	19.4	66.
29.8	74.0	8441.4	350.0	-29.1	-49.7	271.9	20.2	20.2	-0.7	329.6	330.0	0.1	11.4	21.4	69.
31.6	77.7	8966.4	325.0	-33.6	-52.2	273.7	19.4	19.4	-1.2	330.4	330.7	0.1	13.3	23.3	71.
33.5	81.7	9521.6	300.0	-38.6	-56.1	272.9	22.2	22.1	-1.1	330.7	331.0	0.1	13.9	25.4	73.
35.5	85.7	10113.2	275.0	-43.2	99.9	269.8	27.6	27.6	0.1	332.6	999.9	99.9	999.9	28.0	75.
37.4	90.0	10749.8	250.0	-46.3	99.9	273.1	39.2	39.1	-2.1	337.2	999.9	99.9	999.9	31.7	77.
39.8	94.6	11448.5	225.0	-48.3	99.9	272.1	55.1	55.1	-2.1	344.6	999.9	99.9	999.9	38.7	80.
42.5	99.4	12214.8	200.0	-54.3	99.9	268.3	62.4	62.3	1.9	346.9	999.9	99.9	999.9	48.4	82.
45.2	104.8	13057.3	175.0	-61.4	99.9	266.6	61.6	61.5	3.7	348.6	999.9	99.9	999.9	58.6	83.
48.2	110.8	13995.2	150.0	-69.3	99.9	267.7	55.7	55.6	2.3	350.8	999.9	99.9	999.9	69.2	83.
51.7	117.3	15074.6	125.0	-73.0	99.9	267.6	48.5*	48.5	2.1	362.8	999.9	99.9	999.9	79.7	84.
55.9	124.5	16361.9	100.0	-68.5	99.9	261.4	38.2*	37.7	5.7	395.4	999.9	99.9	999.9	91.5	84.
60.8	132.7	17867.7	75.0	-66.6	99.9	282.5	16.3*	16.0	-3.5	432.8	999.9	99.9	999.9	99.2	84.
66.3	142.3	19686.7	50.0	-61.7	99.9	298.2	5.7	5.1	-2.7	498.1	999.9	99.9	999.9	101.2	85.
76.4	152.0	25051.3	25.0	-51.2	99.9	85.1	3.7	-3.7	-0.3	637.4	999.9	99.9	999.9	102.5	86.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

1 MAY 1978
2306 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0..	0.9	350..	974.3	28.1	13.6	10.0	5.2	-0.9	-5.1	305.1	333.5	10.3	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	0.3	457.8	950.0	27.8	14.3	999.9	99.9	99.9	99.9	305.4	335.3	10.9	43.7	999.9	999.
1.0	1.1	653.4	925.0	25.3	12.7	999.9	999.9	99.9	99.9	305.2	332.8	10.8	45.6	999.9	999.
1.7	1.6	921.5	900.0	23.3	12.3	999.9	999.9	99.9	99.9	305.5	333.3	10.1	49.5	999.9	999.
2.5	1.9	1176.7	875.0	21.0	10.2	51.0	2.6	-2.0	-1.6	305.6	330.6	9.0	50.3	0.7	198.
3.2	1.8	1425.5	850.0	19.3	8.0	37.7	1.2	-0.7	-0.9	306.3	328.6	8.0	48.0	0.8	202.
4..	1.8	1668.6	825.0	19.3	-1.3	316.4	1.6	1.1	-1.2	309.0	321.4	4.2	24.9	0.8	201.
4..	2.0	1906.9	800.0	17.2	-3.2	293.1	2.2	2.1	-0.8	309.5	320.7	3.8	24.4	0.9	193.
5..	2.0	2140.4	775.0	14.8	-5.0	241.3	1.9	1.7	0.9	309.8	319.9	3.4	24.9	0.8	187.
6..	2.0	2369.1	750.0	12..	-6.9	213.1	2.4	1.3	2.0	309.7	318.8	3.0	25.9	0.7	183.
7.7	2.1	2593.8	725.0	9.8	-8.8	220.3	3.6	2.3	2.4	310.2	318.8	2.9	27.4	0.6	175.
8.7	2.3	2814.5	700.0	7.4	-4.8	235.5	5.8	4.8	3.3	310.7	322.4	4.0	43.5	0.5	149.
9..	2.5	3031.7	675.0	4.9	3.1	232.9	8.6	6.8	5.2	311.1	331.6	7.1	88.2	0.7	135.
11..	2.8	3247.7	650.0	2.4	-0.7	231.9	9.6	7.5	5.9	311.7	328.1	5.6	79.7	1.2	78.
12..	2..	3461.8	625.0	-0.2	-3.5	246.2	11.0	10.1	4.4	312.2	326.5	4.8	79.8	1.9	70.
13.5	2.5	3674.8	600.0	-1.7	-5.0	255.8	13.9	13.5	3.4	314.2	318.8	1.4	25.5	2.8	71.
14..	2.5	3887.5	575.0	-2.7	-16.6	257.5	17.1	16.7	3.7	316.9	322.6	1.8	33.3	4.1	73.
15..	2.6	4100.9	550.0	-5.2	-19.5	260.5	18.4	18.1	3.2	317.9	322.9	1.6	32.5	5.6	74.
17.7	2.2	4315.0	525.0	-6.7	-23.2	260.9	19.7	19.4	3.4	320.3	324.0	1.1	25.5	7.3	76.
18..	2.5	4530.3	500.0	-10.2	-24.7	257.5	20.4	19.9	4.4	320.7	324.1	1.0	29.2	9.1	76.
20.0	2.6	4747.7	475.0	-13.0	-27.2	257.9	22.0	21.5	4.6	321.9	324.8	0.9	28.9	10.8	77.
22..	2.4	4966.9	450.0	-16.6	-30.2	260.1	23.1	22.7	4.0	322.4	324.7	0.7	29.5	13.1	77.
23..	2.8	5187.9	425.0	-19.9	-31.1	258.1	23.9	23.4	4.9	323.5	325.8	0.7	36.0	15.6	77.
25.5	2.5	5412.5	400.0	-23.5	-33.9	254.9	25.1	24.2	6.5	324.5	326.4	0.5	37.4	18.4	77.
28..	2.8	5639.8	375.0	-26.8	-37.3	254.9	26.3	25.3	7.2	326.1	327.5	0.4	34.1	21.6	77.
30..	2.1	5870.4	350.0	-30.2	-42.4	253.7	27.9	26.3	9.2	328.0	328.9	0.3	29.1	24.9	76.
32..	2.7	6104.2	325.0	-34.6	-46.9	249.7	31.1	29.2	10.8	329.0	330.0	0.3	46.8	28.3	75.
33..	2.3	6342.3	300.0	-39.1	-45.4	253.8	32.1	30.8	8.9	330.2	331.0	0.2	51.1	31.9	75.
35.5	2.3	6584.4	275.0	-44.1	99.9	256.2	32.1	31.2	7.7	331.1	999.9	99.9	999.9	35.6	75.
37.5	2.4	6831.9	250.0	-49.8	99.9	254.5	35.0	33.7	9.3	332.1	999.9	99.9	999.9	39.6	75.
40..	2.0	7086.2	225.0	-56.2	99.9	256.9	39.8	38.7	9.0	333.9	999.9	99.9	999.9	45.3	75.
43.2	2.8	7349.8	200.0	-56.5	99.9	260.7	45.9	45.3	7.5	340.1	999.9	99.9	999.9	52.6	76.
45.9	2.0	7624.4	175.0	-62.4	99.9	260.8	40.8	35.6	19.9	346.9	999.9	99.9	999.9	59.9	76.
48.5	1.9	7911.5	150.0	-66.9	99.9	232.4	39.7	31.5	24.3	354.8	999.9	99.9	999.9	65.1	73.
52..	1.5	8209.7	125.0	-65.7	99.9	256.6	41.1	40.3	8.1	376.0	999.9	99.9	999.9	74.7	72.
57..	1.7	8537.4	100.0	-61.0	99.9	261.4	24.9	24.6	3.7	409.9	999.9	99.9	999.9	84.5	74.
62.5	1.5	10.44.0	75.0	-64.2	99.9	283.3	12.7	12.4	-2.6	438.3	999.9	99.9	999.9	89.8	74.
70..	1.5	2044.0	50.0	-61..	99.9	329.3	8.5	6.3	-7.3	499.1	999.9	99.9	999.9	91.9	75.
82.3	1.3	2515.2	25.0	-50.4	99.9	177.0	38.6	-2.0	38.5	841.4	999.9	99.9	999.9	96.6	77.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

1 MAY 1978
2300 GMT

147 10. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.6	314.0	962.7	34.6	4.2	20.0	2.1	-0.7	-2.0	311.1	326.8	5.4	15.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	10.7	433.6	950.0	32.1	5.5	999.9	999.9	99.9	99.9	309.8	327.1	6.0	19.0	999.9	999.
1.6	12.7	672.0	925.0	29.7	4.5	999.9	999.9	99.9	99.9	309.7	326.2	5.7	20.2	999.9	999.
2.5	14.8	915.1	900.0	27.9	3.6	19.3	1.0	-0.3	-0.9	310.3	326.4	5.5	21.0	0.1	229.
3.4	16.8	1163.5	875.0	25.8	2.6	0.8	1.3	-0.0	-1.3	310.6	326.0	5.3	22.3	0.2	217.
4.6	18.9	1417.3	850.0	23.5	1.7	16.6	1.9	-0.6	-1.9	310.8	325.7	5.1	23.8	0.3	205.
5.6	21.1	1676.5	825.0	21.0	0.5	30.5	2.1	-1.1	-1.8	310.8	325.0	4.8	25.5	0.4	204.
6.4	23.3	1941.5	800.0	18.6	0.5	65.9	1.9	-1.7	-0.8	311.0	325.6	5.0	29.4	0.5	258.
7.7	25.5	2212.5	775.0	16.9	0.1	65.1	1.3	-1.2	-0.5	311.0	325.6	5.0	33.9	0.6	222.
8.6	27.8	2489.7	750.0	13.4	-0.8	303.6	1.4	1.1	-0.7	311.2	325.3	4.8	37.5	0.6	218.
10.0	30.2	2773.9	725.0	10.9	-2.1	295.5	5.6	5.1	-2.4	311.4	324.8	4.5	40.2	0.6	233.
11.9	32.5	3065.4	700.0	8.6	-5.5	269.1	12.3	12.3	0.2	312.1	325.0	3.6	36.3	0.8	160.
12.5	35.0	3364.8	675.0	6.2	-7.1	221.3	17.4	11.5	13.1	312.6	322.6	3.3	37.9	1.2	108.
13.0	37.4	3673.0	650.0	3.8	-8.7	207.2	16.3	7.4	14.5	313.3	322.6	3.0	39.4	1.7	66.
14.1	40.0	3990.2	625.0	1.7	-12.7	209.0	15.9	13.6	8.2	314.5	321.6	2.3	33.1	2.6	57.
15.2	42.6	4316.3	600.0	-0.1	-14.4	253.7	19.6	18.8	5.5	316.0	320.8	1.5	23.5	3.7	61.
16.2	45.2	4654.8	575.0	-2.0	-21.5	257.4	21.6	21.0	4.7	320.1	324.0	1.2	17.8	4.9	65.
17.3	48.0	5013.1	550.0	-2.7	-27.4	256.3	22.3	21.9	4.5	320.8	323.3	0.7	12.8	6.4	68.
18.4	50.8	5375.9	525.0	-3.3	-27.6	260.1	21.8	21.5	3.7	322.1	324.6	0.7	15.3	7.8	70.
19.6	53.7	5760.9	500.0	-4.6	-26.4	260.4	22.0	21.7	3.7	322.6	325.6	0.9	22.1	9.5	72.
21.3	56.7	6156.1	475.0	-11.6	-24.8	256.2	22.9	22.3	5.5	323.6	326.2	0.7	22.4	11.6	73.
22.9	59.8	6567.8	450.0	-14.6	-33.5	251.9	23.1	22.0	7.2	324.9	326.7	0.5	18.1	13.8	73.
24.2	62.9	6998.8	425.0	-17.3	-37.6	251.5	21.8	20.7	6.9	326.8	328.0	0.3	15.2	15.6	73.
25.7	66.1	7449.7	400.0	-21.1	-40.2	252.6	22.0	21.0	6.6	327.6	328.7	0.3	15.9	17.5	73.
27.2	69.6	7924.6	375.0	-25.1	-43.8	249.6	24.6	23.1	8.6	328.4	329.	0.2	15.5	19.7	73.
28.9	73.1	8419.2	350.0	-29.7	-46.2	250.6	25.4	23.9	8.4	328.8	329.4	0.2	18.2	22.2	72.
30.7	76.8	8942.6	325.0	-34.3	-49.9	254.5	24.9	24.0	6.7	329.4	329.9	0.1	18.6	24.9	72.
32.7	80.7	9498.1	300.0	-38.3	-53.4	257.6	27.7	27.1	6.0	331.4	331.7	0.1	18.6	28.0	73.
34.8	84.8	10089.6	275.0	-43.7	99.9	260.8	31.3	30.9	5.0	331.9	999.9	99.9	999.9	31.7	74.
37.1	89.2	10723.4	250.0	-48.4	99.9	260.6	36.0	35.5	5.9	334.1	999.9	99.9	999.9	36.2	75.
39.7	93.8	11412.6	225.0	-51.2	99.9	261.5	50.1	49.6	7.4	340.1	999.9	99.9	999.9	42.6	75.
42.1	98.6	12173.3	200.0	-55.1	99.9	261.5	60.6	60.0	8.9	345.5	999.9	99.9	999.9	51.0	77.
45.0	104.0	13013.5	175.0	61.1	99.9	261.8	56.8	56.2	8.1	349.1	999.9	99.9	999.9	61.0	77.
48.1	109.8	13955.3	150.0	-66.0	99.9	262.5	51.9	51.4	6.8	352.9	999.9	99.9	999.9	71.5	78.
51.5	116.5	15040.5	125.0	-72.2	99.9	259.4	42.9*	42.2	7.9	364.3	999.9	99.9	999.9	82.1	79.
56.4	123.7	16365.5	100.0	-66.0	99.9	260.7	32.9*	32.5	5.3	400.3	999.9	99.9	999.9	92.6	78.
61.5	131.7	18114.4	75.0	-65.6	99.9	288.0	11.2*	10.6	-3.5	435.5	999.9	99.9	999.9	97.9	79.
65.4	140.7	20600.3	50.0	-59.9	99.9	319.9	8.4	6.4	-5.5	502.4	999.9	99.9	999.9	100.6	80.
81.1	145.7	25059.1	25.0	- 8.4	99.9	187.7	7.0	0.9	7.0	646.0	999.9	99.9	999.9	101.8	81.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

1 MAY 1978
2300 GMT

155 13. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.7	873.0	934.5	27.2	-2.6	45.0	2.6	-1.7	-2.0	309.1	319.5	3.5	14.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	15.2	917.0	900.0	26.3	-2.4	8.8	2.4	-0.4	-2.3	308.6	319.2	3.6	15.0	0.1	255.
1.4	17.5	1161.9	875.0	24.5	-2.9	65.9	2.8	-2.6	-1.0	309.2	319.7	3.5	16.1	0.2	240.
2.5	19.8	1416.2	850.0	22.1	-3.5	70.8	2.4	-2.2	-0.8	309.3	319.7	3.5	17.7	0.4	252.
3.6	22.2	1673.8	825.0	19.5	-4.7	53.0	2.6	-2.1	-1.5	309.2	319.0	3.3	19.1	0.5	248.
4.5	24.6	1935.9	800.0	16.8	-5.5	53.3	2.5	-2.0	-1.5	309.1	318.6	3.2	21.2	0.7	245.
5.4	27.1	2201.7	775.0	14.1	-6.8	80.7	2.3	-2.3	-0.0	309.0	317.9	3.0	22.8	0.8	245.
6.2	29.6	2470.8	750.0	11.5	-7.2	131.0	2.3	-1.8	1.5	309.1	318.0	3.0	26.2	0.9	251.
7.1	32.1	2742.5	725.0	8.6	-7.8	166.5	1.5	-0.3	1.4	308.9	317.6	2.9	30.4	0.9	258.
8.5	34.8	3051.2	700.0	5.8	-8.4	999.9	999.9	99.9	99.9	308.9	317.6	2.9	35.3	0.8	261.
10.0	37.4	3347.8	675.0	3.9	-11.6	999.9	999.9	99.9	99.9	310.1	317.5	2.4	32.6	999.9	999.
11.6	40.1	3651.0	650.0	1.2	-14.1	999.9	999.9	99.9	99.3	310.4	316.4	2.0	30.7	999.9	999.
12.7	42.6	3968.2	625.0	0.0	-16.5	999.9	999.9	99.9	99.9	312.5	317.8	1.7	27.6	999.9	999.
13.7	45.3	4283.7	600.0	-2.6	-18.7	999.9	999.9	99.9	99.9	313.2	318.6	1.7	32.6	999.9	999.
14.6	47.2	4625.8	575.0	-5.0	-14.2	999.9	999.9	99.9	99.9	314.1	321.0	2.2	48.5	999.9	999.
15.7	51.1	4974.0	550.0	-6.9	-17.3	999.9	999.9	99.9	99.9	315.9	321.6	1.6	43.2	999.9	999.
16.9	54.1	5335.3	525.0	-9.6	-20.5	999.9	999.9	99.9	99.9	316.9	321.5	1.4	40.3	999.9	999.
18.0	57.3	5714.2	500.0	-12.2	-25.2	999.9	999.9	99.9	99.9	318.2	323.1	1.5	51.1	8.6	47.
20.0	60.4	6104.6	475.0	-14.7	-23.7	243.0	20.1	17.9	9.1	319.7	323.6	1.2	46.0	11.2	49.
22.4	64.6	6511.3	450.0	-16.1	-27.1	249.3	21.8	20.4	7.7	320.5	323.6	0.9	45.1	13.0	52.
24.5	67.0	6935.7	425.0	-20.9	-30.5	248.9	24.0	22.4	8.6	322.2	324.7	0.7	43.6	15.0	54.
25.6	70.4	7381.2	400.0	-24.1	-34.4	249.2	26.1	24.4	9.3	323.7	325.5	0.5	37.8	17.1	55.
27.1	74.1	7867.8	375.0	-26.5	-36.9	250.2	25.5	24.0	8.6	323.9	325.4	0.4	44.2	19.7	58.
28.9	77.9	8330.3	350.0	-31.8	-36.4	249.8	28.1	26.3	9.7	325.8	327.5	0.5	63.6	22.6	59.
31.1	81.8	8.58.7	325.0	-36.0	-44.1	249.2	31.2	29.2	11.1	327.1	327.9	0.2	42.8	26.4	61.
33.7	85.8	9410.1	300.0	-39.8	99.9	252.7	34.2	32.7	10.2	329.2	999.9	99.9	999.9	31.3	62.
35.	90.2	9999.1	275.0	-43.3	99.9	252.6	39.9	38.0	12.0	330.1	999.9	99.9	999.9	36.7	64.
38.3	94.8	10627.2	250.0	-50.6	99.9	255.1	37.4	36.1	9.8	330.8	999.9	99.9	999.9	41.8	65.
41.1	99.8	11302.8	225.0	-56.0	99.9	253.7	41.1	39.4	11.6	332.9	999.9	99.9	999.9	48.4	66.
44.5	105.2	12049.1	200.0	-60.2	99.9	258.3	47.9	46.5	9.7	337.4	999.9	99.9	999.9	57.5	68.
47.5	111.0	12872.9	175.0	-63.4	99.9	265.2	37.2*	37.1	3.1	345.4	999.9	99.9	999.9	66.3	70.
51.7	117.3	13817.1	150.0	-65.4	99.9	250.9	27.5*	26.0	9.0	357.5	999.9	99.9	999.9	73.2	70.
56.0	124.3	14939.5	125.0	-63.8	99.9	254.0	35.1*	33.7	9.7	379.4	999.9	99.9	999.9	82.4	71.
61.2	132.7	16360.7	100.0	-63.4	99.9	257.7	24.4*	23.8	5.2	405.3	999.9	99.9	999.9	91.3	71.
68.4	142.0	18086.5	75.0	-63.8	99.9	292.7	12.8*	11.8	-4.9	439.1	999.9	99.9	999.9	97.4	72.
77.8	152.5	20552.4	50.0	-60.8	99.9	336.0	8.0	3.3	-7.3	500.3	999.9	99.9	999.9	98.3	73.
94.2	163.3	25047.7	25.0	-48.8	99.9	999.9	999.9	99.9	99.9	644.7	999.9	99.9	999.9	99.2	75.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

1 MAY 1978
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

160 11. 1

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.9	180.0	990.0	15.1	0.9	20.0	4.1	-1.4	-3.9	289.1	300.2	4.1	38.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	9.3	308.9	975.0	14.2	1.7	999.9	999.9	99.9	99.9	288.5	300.4	4.5	45.5	999.9	999.
1.2	11.4	526.7	950.0	11.5	0.8	999.9	999.9	99.9	99.9	288.9	300.4	4.3	47.5	999.9	999.
2.0	13.5	748.8	925.0	9.4	-0.3	999.9	999.9	99.9	99.9	288.9	299.8	4.0	50.6	0.6	191.
2.7	15.7	975.1	900.0	7.1	-1.5	3.4	7.4	-0.4	-7.4	288.8	299.2	3.8	54.6	0.9	190.
3.6	18.0	1205.7	875.0	4.7	-2.7	355.6	7.6	0.6	-7.6	288.7	298.5	3.6	58.4	1.3	187.
4.4	20.3	1441.2	850.0	2.4	-3.6	351.9	7.4	1.0	-7.3	288.7	298.1	3.4	64.3	1.7	183.
5.3	22.5	1682.4	825.0	2.3	-11.3	356.5	6.4	0.4	-6.4	291.0	296.6	2.0	35.9	2.3	181.
6.1	24.8	1930.6	800.0	0.9	-3.9	354.8	5.0	0.5	-5.0	292.2	302.0	3.6	70.0	2.3	181.
7.1	27.2	2185.4	775.0	-0.7	-2.5	340.0	4.5	1.6	-4.3	293.1	304.4	4.1	87.7	2.6	180.
8.1	29.7	2446.2	750.0	-0.2	-0.2	318.2	4.1	2.7	-3.0	296.4	310.3	5.1	103.9	2.8	177.
9.2	32.2	2715.6	725.0	-0.7	-0.7	309.5	4.6	3.5	-2.9	298.7	312.7	5.0	104.9	3.0	173.
10.2	34.7	3000.3	700.0	-1.9	-1.9	304.9	4.8	3.9	-2.7	300.4	313.8	4.8	104.5	3.2	170.
11.4	37.3	3287.8	675.0	-2.7	-2.7	285.4	5.0	4.8	-1.3	302.6	315.8	4.7	104.0	3.4	165.
12.6	40.0	3587.6	650.0	-4.3	-4.3	261.1	6.9	6.8	1.1	304.1	316.5	4.3	103.8	3.6	159.
13.8	42.7	3897.7	625.0	-5.7	-5.7	249.8	9.5	8.9	3.3	306.0	317.6	4.0	103.6	3.7	150.
14.9	45.4	4217.3	600.0	-7.4	-7.4	242.7	11.0	9.8	5.0	307.6	318.4	3.7	103.4	3.8	140.
16.1	48.3	4546.0	575.0	-9.4	-9.4	240.5	12.6	10.9	6.2	309.0	318.8	3.3	103.1	4.0	128.
17.4	51.3	4883.7	550.0	-11.3	-11.3	240.7	14.7	12.9	7.2	310.6	319.5	2.9	102.1	4.6	115.
18.6	54.3	5246.3	525.0	-13.6	-13.6	246.7	15.9	14.6	6.3	312.1	319.8	2.5	101.5	5.3	105.
19.9	57.4	5610.5	500.0	-16.6	-16.8	253.2	15.8	15.1	4.6	312.6	319.0	2.0	99.8	6.4	99.
21.1	60.5	5999.1	475.0	-19.3	-19.6	257.1	16.8	16.4	3.7	314.1	319.5	1.7	97.6	7.5	95.
22.5	63.8	6397.4	450.0	-23.7	-33.5	263.3	20.3	20.2	2.4	313.4	315.2	0.5	40.4	8.9	93.
24.0	67.1	6813.9	425.0	-25.3	-42.0	263.9	22.3	22.2	2.4	316.5	317.3	0.2	19.2	11.1	91.
25.6	70.7	7251.6	400.0	-28.1	-42.6	259.5	21.6	21.3	3.9	318.5	319.3	0.2	23.2	13.3	90.
27.7	74.4	7711.8	375.0	-32.0	-45.0	256.1	20.0	19.5	4.8	319.3	320.0	0.2	25.8	15.5	88.
29.8	78.2	8196.3	350.0	-35.9	-46.1	249.7	17.8	16.6	6.2	320.4	320.9	0.1	26.9	17.9	86.
31.8	82.2	8709.4	325.0	-40.1	99.9	246.0	16.6	15.2	6.7	321.4	999.9	99.9	999.9	19.8	84.
33.9	86.3	9246.1	300.0	-44.8	99.9	246.0	17.3	15.8	7.0	322.3	999.9	99.9	999.9	21.7	82.
35.8	90.7	9822.0	275.0	-49.5	99.9	250.0	17.6	16.6	6.0	323.5	999.9	99.9	999.9	23.9	81.
38.2	95.4	10446.1	250.0	-54.1	99.9	246.8	17.3	15.9	6.8	325.6	999.9	99.9	999.9	26.2	80.
41.4	100.4	11118.9	225.0	-56.4	99.9	248.2	24.1	22.4	9.0	332.1	999.9	99.9	999.9	30.0	78.
44.6	105.6	11853.0	200.0	-59.2	99.9	257.6	22.6	22.1	4.9	339.0	999.9	99.9	999.9	33.9	78.
47.4	111.4	12680.0	175.0	-62.8	99.9	266.2	24.8	24.7	1.6	346.3	999.9	99.9	999.9	38.3	78.
51.2	117.7	13631.1	150.0	-60.9	99.9	279.1	25.1	24.8	-4.0	365.2	999.9	99.9	999.9	44.0	80.
55.8	124.5	14770.8	125.0	-61.1	99.9	278.5	23.7	23.4	-3.5	384.4	999.9	99.9	999.9	50.6	82.
61.6	132.3	16159.4	100.0	-59.3	99.9	285.7	18.4	17.7	-5.0	413.2	999.9	99.9	999.9	57.9	85.
68.4	140.7	17957.2	75.0	-62.5	99.9	284.4	11.5	11.1	-2.9	441.9	999.9	99.9	999.9	63.0	87.
78.7	150.0	20475.1	50.0	-57.5	99.9	283.4	7.9	7.6	-1.8	508.0	999.9	99.9	999.9	68.9	88.
96.0	160.3	24513.3	25.0	-51.7	99.9	282.2	5.0	4.9	-1.1	636.3	999.9	99.9	99	78.1	90.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
• BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
•• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

1 MAY 1978
2300 GMT

161 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.5	172.0	991.3	10.5	4.4	30.0	7.7	-3.8	-6.7	284.4	298.2	5.3	66.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	7.9	306.9	975.0	9.1	3.1	999.9	999.9	99.9	99.9	284.3	297.1	4.9	65.9	999.9	999.
1.4	10.1	524.4	950.0	7.0	2.8	999.9	999.9	99.9	99.9	284.3	297.2	4.9	74.7	999.9	999.
2.3	12.4	743.4	925.0	5.2	3.4	53.8	11.8	-9.5	-7.0	284.6	298.5	5.3	88.3	1.6	232.
3.2	14.7	968.0	900.0	7.4	6.7	38.5	7.1	-4.4	-5.5	289.1	307.2	6.9	95.7	2.2	232.
4.0	17.1	1201.9	875.0	9.7	9.0	8.3	4.9	-0.7	-4.9	293.8	315.8	8.3	95.6	2.4	225.
4.9	19.5	1442.8	850.0	8.4	7.7	348.2	5.1	1.0	-5.0	294.9	315.8	7.8	95.4	2.6	224.
5.9	21.9	1689.2	825.0	7.2	0.1	345.1	5.7	1.5	-5.5	296.2	309.2	4.7	61.2	2.7	219.
6.7	24.3	1943.9	800.0	8.9	-3.5	353.7	7.0	0.8	-6.9	300.7	311.3	3.7	41.4	2.9	214.
7.7	26.8	2206.2	775.0	8.0	-10.9	341.3	8.5	2.7	-8.1	302.4	308.8	2.1	24.9	3.3	209.
8.7	29.4	2475.7	750.0	6.3	-8.2	312.0	10.9	8.1	-7.3	303.4	311.5	2.8	34.5	3.6	200.
9.8	31.9	2753.2	725.0	6.2	-29.4	291.3	13.8	12.9	-5.0	306.3	308.1	0.6	7.0	3.8	189.
10.8	34.6	3040.0	700.0	5.0	-42.1	280.7	16.2	15.9	-3.0	308.0	308.5	0.1	1.8	4.0	175.
11.9	37.2	3335.0	675.0	2.5	-39.3	279.6	17.3	17.1	-2.9	308.5	309.1	0.2	2.7	4.4	161.
13.0	40.0	3638.3	650.0	0.1	-36.8	281.7	17.8	17.4	-3.6	309.1	309.9	0.2	4.2	5.1	149.
14.2	42.8	3950.3	625.0	-3.1	-33.6	283.5	18.0	17.5	-4.2	308.9	310.1	0.4	7.4	6.0	141.
15.4	45.6	4271.6	600.0	-6.1	-26.6	282.6	20.0	19.5	-4.4	309.0	311.4	0.7	17.9	7.2	134.
16.6	48.4	4602.9	575.0	-6.7	-31.3	283.4	22.7	22.0	-5.3	309.9	311.5	0.5	14.2	8.5	128.
17.9	51.4	4946.0	550.0	-11.0	-35.3	286.8	25.3	24.2	-7.3	311.1	312.3	0.3	11.6	10.3	124.
19.2	54.4	5301.3	525.0	-13.8	-28.0	290.7	26.9	25.1	-9.5	311.9	314.3	0.7	28.8	12.2	122.
20.6	57.5	5670.5	500.0	-16.2	-23.0	290.5	27.8	26.0	-9.7	313.3	317.2	1.2	55.7	14.6	120.
22.1	60.8	6054.9	475.0	-18.4	-31.6	290.2	29.6	27.7	-10.2	315.2	317.2	0.6	31.7	17.0	119.
23.5	64.0	6455.7	450.0	-21.4	-41.6	287.7	28.8	27.4	-8.7	316.3	317.1	0.2	14.1	19.5	117.
25.1	67.4	6874.7	425.0	-24.7	-63.1	286.2	29.1	27.9	-8.1	317.3	317.4	0.0	1.5	22.1	116.
26.5	70.9	7312.7	400.0	-27.7	-67.6	285.4	29.5	28.5	-7.8	319.0	319.1	0.0	1.0	24.7	115.
28.4	74.6	7773.4	375.0	-31.2	-70.0	283.9	33.3	32.3	-8.0	320.3	320.4	0.0	1.0	28.0	114.
30.1	78.3	8259.1	350.0	-34.6	-72.2	285.1	34.7	33.5	-9.1	322.1	322.1	0.0	1.0	31.6	113.
32.1	82.2	8772.6	325.0	-38.2	-74.6	291.3	37.9	35.3	-13.8	324.0	324.0	0.0	1.0	35.7	112.
34.1	86.3	9318.6	300.0	-42.2	99.9	295.1	45.1	40.8	-19.2	325.9	999.9	99.9	999.9	40.6	112.
36.1	90.6	9901.4	275.0	-46.6	99.9	290.0	49.6	46.6	-17.0	327.7	999.9	99.9	999.9	46.6	113.
38.3	95.2	10527.6	250.0	-51.5	99.9	288.4	50.5	48.0	-16.0	329.5	999.9	99.9	999.9	53.1	112.
40.7	100.0	11204.3	225.0	-56.2	99.9	289.4	48.1*	45.4	-16.0	332.3	999.9	99.9	999.9	60.3	112.
43.4	105.2	11944.5	200.0	-60.3	99.9	286.1	47.3*	45.5	-13.1	337.2	999.9	99.9	999.9	67.9	111.
46.3	110.8	12774.4	175.0	-61.7	99.9	285.0	42.8*	41.3	-11.1	348.1	999.9	99.9	999.9	75.3	111.
49.6	117.0	13728.1	150.0	-62.8	99.9	281.3	33.2*	32.6	-6.5	361.9	999.9	99.9	999.9	82.5	110.
53.3	123.8	14859.6	125.0	-61.2	99.9	274.7	22.6*	22.5	-1.9	384.1	999.9	99.9	999.9	88.3	109.
57.9	131.3	16240.9	100.0	-61.4	99.9	273.6	20.5*	20.4	-1.3	409.1	999.9	99.9	999.9	94.4	108.
64.0	140.3	18032.3	75.0	-61.2	99.9	286.1	12.8*	12.3	-3.5	444.7	999.9	99.9	999.9	100.1	108.
71.5	150.0	20546.3	50.0	-61.0	99.9	302.5	5.9	5.0	-3.2	499.7	999.9	99.9	999.9	103.6	108.
84.3	161.0	24993.5	25.0	-49.6	99.9	999.9	999.9	99.9	99.9	642.1	999.9	99.9	999.9	105.5	108.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
NORETT, MISSOURI

1 MAY 1978
2300 GMT

153 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.3	438.0	962.4	10.8	1.6	60.8	7.7	-6.7	-3.8	287.1	298.8	4.5	53.8	0.0	0.
0.5	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	11.5	545.9	950.0	9.5	-0.0	999.9	999.9	99.9	99.9	286.8	297.6	4.0	51.5	999.9	999.
1.0	13.8	766.5	925.0	7.6	-0.9	999.9	999.9	99.9	99.9	287.0	297.5	3.9	55.1	999.9	999.
2.2	16.1	991.3	900.0	5.4	-1.1	999.9	999.9	99.9	99.9	287.0	297.6	3.9	63.0	1.3	243.
3.2	18.6	1221.0	875.0	4.8	2.5	71.1	9.1	-8.6	-2.9	288.8	303.0	5.3	85.0	1.8	244.
4.0	21.1	1454.6	850.0	6.1	3.4	64.5	8.7	-7.9	-3.8	292.6	308.1	5.8	82.7	2.3	247.
4.5	23.5	1690.1	825.0	4.9	2.4	57.5	9.0	-7.6	-4.8	293.8	308.8	5.6	84.2	2.8	244.
5.0	26.0	1928.3	800.0	5.8	2.7	58.1	8.7	-7.4	-4.6	296.8	312.8	5.8	83.3	3.2	244.
6.7	28.6	2214.7	775.0	5.8	-0.6	36.6	6.5	-3.9	-5.2	300.0	313.3	4.7	63.4	3.6	243.
7.7	31.2	2462.3	750.0	5.5	-1.1	337.9	5.1	1.9	-4.8	302.6	316.0	4.7	62.4	3.8	239.
8.6	33.8	2759.8	725.0	3.5	-2.2	301.0	6.4	5.5	-3.3	303.3	316.1	4.5	66.3	3.7	235.
9.6	36.4	3063.9	700.2	1.6	-2.0	300.2	8.2	7.1	-4.1	304.3	317.8	4.7	76.6	3.6	228.
10.7	39.0	3336.3	675.0	-0.1	-4.1	298.3	9.7	8.5	-4.6	305.5	317.8	4.2	74.6	3.4	219.
11.7	42.0	3637.6	650.0	-2.0	-7.1	295.2	11.4	10.3	-4.9	306.7	316.9	3.5	68.0	3.4	209.
12.7	44.8	3946.6	625.0	-3.8	-9.6	288.7	14.1	13.4	-4.5	308.1	315.1	2.3	50.4	3.4	196.
13.7	47.8	4275.4	600.0	-6.1	-15.7	286.1	16.4	15.8	-4.6	309.1	313.8	1.5	37.6	3.6	177.
15.1	50.7	4602.1	575.0	-8.6	-19.9	284.6	17.5	17.0	-4.2	310.0	314.3	1.4	39.3	4.1	161.
16.3	53.5	4926.9	550.0	-11.4	-21.5	284.1	16.8	16.3	-4.1	310.5	314.4	1.2	42.3	4.9	149.
17.8	57.6	5255.9	525.0	-13.9	-29.5	286.9	17.0	16.2	-4.9	311.7	314.7	0.9	36.7	6.0	139.
19.6	61.1	5588.	500.0	-16.1	-30.4	291.9	18.5	17.1	-6.9	313.4	314.8	0.4	18.8	7.3	134.
20.3	63.4	6003.0	475.0	-19.1	-22.5	292.6	17.2	15.9	-6.6	314.3	318.5	1.3	7.4	8.6	130.
21.7	66.8	6453.	450.0	-21.0	-28.1	291.2	14.4	13.5	-5.2	316.9	319.6	0.8	52.6	9.9	128.
23.2	70.3	6873.8	425.0	-24.2	-32.9	292.7	13.0	12.0	-5.0	318.0	320.0	0.6	44.0	11.0	126.
24.7	73.9	7312.4	400.0	-27.7	-37.9	293.6	16.2	15.3	-5.2	319.0	320.3	0.4	36.8	12.2	125.
26.3	77.6	7773.0	375.0	-31.4	-40.4	285.9	20.1	19.4	-5.5	321.1	321.1	0.3	40.3	13.9	122.
28.6	81.3	8257.4	350.0	-35.5	-44.2	282.2	21.6	20.9	-4.5	320.9	321.7	0.2	40.1	16.0	120.
29.6	85.4	8765.0	325.0	-39.4	-48.3	282.2	23.8	23.2	-5.0	322.4	323.0	0.1	37.8	18.2	118.
31.4	89.5	9312.2	300.0	-43.4	99.9	283.9	25.7	25.0	-6.2	324.2	999.9	99.9	999.9	20.6	116.
33.4	94.0	9851.8	275.0	-46.2	99.9	285.6	28.8	27.	-9.2	325.4	999.9	99.9	999.9	23.7	115.
35.7	98.8	10514.2	250.0	-51.9	99.9	286.3	31.5	29.6	-9.9	328.9	999.9	99.9	999.9	26.0	114.
38.4	103.6	11191.2	225.0	-55.5	99.9	287.6	36.1	34.4	-10.9	333.4	999.9	99.9	999.9	33.2	113.
41.9	108.8	11935.3	200.0	-59.4	99.9	286.4	36.9	34.6	-12.2	338.8	999.9	99.9	999.9	38.9	112.
43.7	114.3	12765.4	175.0	-60.7	99.9	279.4	32.2	31.7	-5.8	349.8	999.9	99.9	999.9	44.5	111.
46.6	120.3	13724.8	150.0	-59.4	99.9	275.3	25.5	25.4	-2.3	367.8	999.9	99.9	999.9	49.9	109.
50.7	127.0	14871.3	125.0	-59.3	99.9	276.3	20.4	20.3	-2.2	387.6	999.9	99.9	999.9	54.6	108.
55.6	134.9	16264.6	100.0	-59.7	99.9	277.1	18.3	18.2	-2.3	412.5	999.9	99.9	999.9	60.4	107.
61.6	141.7	18078.2	75.0	-58.3	99.9	290.9	12.3	11.5	-4.4	451.0	999.9	99.9	999.9	65.9	107.
65.5	145.7	20611.3	50.0	-59.5	99.9	308.6	6.5	5.1	-4.1	503.3	999.9	99.9	999.9	70.2	107.
83.3	158.0	25069.1	25.0	-48.7	99.9	999.9	999.9	99.9	99.9	644.7	999.9	99.9	999.9	72.1	108.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

1 MAY 1978
2315 GMT

160 18. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.6	392.0	962.4	17.8	13.5	40.0	6.6	-4.2	-5.1	294.2	320.9	10.2	76.0	0.0	[illegible]
99.9	99.9	99.9	[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	10.5	502.6	950.0	14.6	12.5	999.9	999.9	99.9	99.9	292.1	317.3	9.7	87.2	999.9	999.
1.5	12.5	727.5	925.0	12.2	10.7	999.9	999.9	99.9	99.9	291.8	314.8	8.8	90.6	999.9	999.
2.3	14.4	957.1	900.0	11.0	10.5	999.9	999.9	99.9	99.9	292.9	316.2	8.9	96.2	999.9	999.
3.0	16.5	1192.7	875.0	10.7	10.1	999.9	999.9	99.9	99.9	294.9	318.5	8.9	96.3	999.9	999.
3.6	18.6	1434.8	850.0	10.2	9.6	999.9	999.9	99.9	99.9	296.0	320.6	8.9	96.5	999.9	999.
4.8	20.7	1683.4	825.0	9.1	8.6	999.9	999.9	99.9	99.9	298.3	321.3	8.6	96.4	999.9	999.
5.8	22.9	1938.6	800.0	8.0	6.8	999.9	999.9	99.9	99.9	299.7	320.9	7.8	92.4	999.9	999.
6.7	25.2	2201.6	775.0	9.2	-9.2	999.9	999.9	99.9	99.9	303.8	11.7	2.7	28.8	999.9	999.
7.6	27.5	2473.4	750.0	9.7	-22.6	999.9	999.9	99.9	99.9	307.1	309.7	0.8	8.3	999.9	999.
8.7	29.8	2753.1	725.0	7.2	-21.9	999.9	999.9	99.9	99.9	307.3	310.2	0.9	10.4	999.9	999.
9.9	32.2	3040.0	700.0	4.1	-22.3	999.9	999.9	99.9	99.9	307.1	310.0	0.9	12.5	999.9	999.
11.0	34.7	3334.3	675.0	2.1	-21.9	999.9	999.9	99.9	99.9	308.0	311.1	1.0	14.8	999.9	999.
12.1	37.2	3637.5	650.0	-0.3	-19.4	999.9	999.9	99.9	99.9	308.6	312.6	1.3	22.2	999.9	999.
13.2	39.9	3949.4	625.0	-3.0	-20.0	999.9	999.9	99.9	99.9	309.0	313.0	1.2	25.5	999.9	999.
14.3	42.5	4271.1	600.0	-5.7	-27.1	267.6	11.3	11.3	0.5	309.6	312.0	0.7	17.6	2.0	123.
15.4	45.1	4603.5	575.0	-7.1	-43.9	268.2	15.0	15.0	0.5	311.7	312.2	0.[illegible]	3.5	2.8	113.
16.7	48.0	4946.7	550.0	-9.3	-15.1	262.8	17.9	17.8	2.2	313.1	319.8	2.2	62.4	3.9	104.
18.0	50.9	5300.7	525.0	-12.4	-16.2	260.0	18.1	17.9	3.2	313.5	319.9	2.1	73.5	5.2	98.
19.3	54.0	5677.7	500.0	-14.4	-33.4	261.4	19.0	18.8	2.9	315.5	317.1	0.5	18.0	6.6	94.
20.5	57.1	6065.1	475.0	-16.9	-32.0	263.3	20.5	20.4	2.4	317.0	318.9	0.5	25.6	8.1	92.
21.6	60.3	6466.2	450.0	-19.4	-39.5	263.2	22.7	22.5	2.7	318.8	319.8	0.3	14.9	9.8	90.
22.4	63.7	6881.2	425.0	-22.9	-41.7	265.0	23.7	23.6	2.1	319.7	320.5	0.2	15.8	11.9	89.
25.1	67.1	7332.3	400.0	-26.7	-37.5	265.7	23.7	23.7	1.8	320.3	321.6	0.4	35.0	14.3	89.
26.7	70.9	7796.8	375.0	-30.4	-35.8	264.2	25.2	25.1	2.6	321.4	323.0	0.5	58.5	16.8	88.
28.4	74.7	8282.3	350.0	-34.0	-39.4	264.4	26.9	26.8	2.6	322.9	324.2	0.3	57.5	19.6	88.
30.4	78.8	8797.2	325.0	-37.9	-43.4	264.4	29.7	29.6	2.9	324.4	325.3	0.2	56.1	22.7	87.
32.4	83.2	9343.4	300.0	-42.8	99.9	264.4	33.5	33.3	3.2	325.1	999.9	99.9	999.9	26.4	87.
34.2	87.6	9924.9	275.0	-47.3	99.9	264.0	34.5	34.4	3.6	326.8	999.9	99.9	999.9	30.2	86.
36.5	92.4	10548.2	250.0	-52.4	99.9	263.5	38.0	37.8	4.3	328.1	999.9	99.9	999.9	35.0	86.
39.0	97.6	11220.5	225.0	-58.0	99.9	264.0	44.9	44.7	4.7	329.7	999.9	99.9	999.9	41.4	86.
41.7	103.3	11955.5	200.0	-62.0	99.9	267.5	42.0	42.0	1.8	334.7	999.9	99.9	999.9	48.4	86.
44.7	109.3	12779.7	175.0	-63.0	99.9	267.9	34.5	34.5	1.2	346.0	999.9	99.9	999.9	55.6	86.
48.0	116.0	13725.9	150.0	-63.0	99.9	262.5	29.3	29.0	3.8	361.5	999.9	99.9	999.9	61.9	86.
52.0	123.7	14857.1	125.6	-64.0	99.9	265.9	23.7	23.6	1.7	379.2	999.9	99.9	999.9	67.9	86.
56.7	132.0	16236.4	100.0	-62.5	99.9	265.1	19.1	19.0	1.6	407.1	999.9	99.9	999.9	74.1	86.
62.2	141.3	18020.2	75.0	-62.3	99.9	294.2	15.7	14.3	-6.4	442.4	999.9	99.9	999.9	80.4	86.
71.7	151.5	20530.2	50.0	-60.4	99.9	321.6	7.1	4.4	-5.5	501.2	999.9	99.9	999.9	83.6	88.
85.1	162.0	24951.1	25.0	-51.1	99.9	999.9	999.9	99.9	99.9	637.9	999.9	99.9	999.9	86.4	96.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

1 MAY 1978
2300 GMT

143 15. 0

TIME MIN	CNTET	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.2	1004.0	895.0	22.2	8.3	999.9	99.9	99.9	99.9	295.5	316.4	7.8	77.0	999.9	999.
99.9	99.9	99.9	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	97.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	95.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	94.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	939.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	16.1	1184.0	875.0	20.7	7.0	999.9	99.9	99.9	99.9	293.8	313.9	7.2	83.2	999.9	999.
1.0	20.3	1192.4	870.0	20.6	6.3	999.9	999.9	99.9	99.9	293.9	312.9	7.1	82.7	999.9	999.
2.4	22.8	1197.7	865.0	20.8	5.1	999.9	999.9	99.9	99.9	294.8	312.8	6.7	94.5	999.9	999.
3.3	23.3	1202.7	860.0	20.5	3.8	999.9	999.9	99.9	99.9	296.0	313.1	6.3	95.6	999.9	999.
4.1	23.7	1207.1	855.0	20.4	-0.3	999.9	999.9	99.9	99.9	297.5	305.7	2.9	46.4	999.9	999.
5.0	24.2	1211.3	850.0	20.8	-0.5	999.9	999.9	99.9	99.9	305.0	308.3	1.0	11.9	999.9	999.
5.9	24.8	1215.4	845.0	21.0	-0.8	999.9	999.9	99.9	99.9	306.0	309.2	1.0	12.5	999.9	999.
7.0	25.4	1219.6	840.0	21.2	-27.8	999.9	999.9	99.9	99.9	307.2	309.1	0.6	7.8	999.9	999.
8.0	26.1	1223.7	835.0	21.5	-28.0	999.9	999.9	99.9	99.9	307.8	309.2	0.6	8.9	999.9	999.
9.1	26.8	1227.8	830.0	21.6	-28.1	999.9	999.9	99.9	99.9	307.4	309.4	0.6	12.0	999.9	999.
10.2	27.4	1231.9	825.0	21.8	-28.3	999.9	999.9	99.9	99.9	306.5	308.8	0.4	8.6	999.9	999.
11.4	27.9	1236.0	820.0	21.6	-28.3	999.9	999.9	99.9	99.9	310.8	311.2	0.1	2.8	999.9	999.
12.7	28.4	1240.2	815.0	21.4	-28.4	999.9	999.9	99.9	99.9	312.6	312.8	0.2	51.8	999.9	999.
14.1	28.9	1244.4	810.0	21.2	-28.4	999.9	999.9	99.9	99.9	313.2	313.3	0.2	36.5	999.9	999.
15.6	29.4	1248.6	805.0	21.0	-28.4	999.9	999.9	99.9	99.9	314.4	314.5	0.2	5.5	999.9	999.
17.2	29.8	1252.9	800.0	20.8	-28.4	999.9	999.9	99.9	99.9	315.9	316.2	0.3	26.3	999.9	999.
18.9	30.3	1257.2	795.0	20.6	-28.4	999.9	999.9	99.9	99.9	317.1	317.2	0.0	1.0	999.9	999.
20.7	30.8	1261.5	790.0	20.4	-28.4	999.9	999.9	99.9	99.9	317.9	318.4	0.1	8.1	999.9	999.
22.6	31.3	1265.8	785.0	20.2	-28.4	999.9	999.9	99.9	99.9	319.5	319.6	0.1	9.5	999.9	999.
24.6	31.8	1270.2	780.0	20.0	-28.4	999.9	999.9	99.9	99.9	319.7	321.8	0.6	63.6	999.9	999.
26.7	32.2	1274.6	775.0	19.8	-28.4	999.9	999.9	99.9	99.9	321.3	321.4	0.6	76.5	999.9	999.
28.9	32.6	1279.0	770.0	19.6	-28.4	999.9	999.9	99.9	99.9	323.5	324.9	0.4	63.1	999.9	999.
31.2	33.0	1283.4	765.0	19.4	-28.4	999.9	999.9	99.9	99.9	324.7	325.7	0.3	63.1	999.9	999.
33.6	33.4	1287.8	760.0	19.2	-28.4	999.9	999.9	99.9	99.9	325.6	999.9	99.9	999.9	999.9	999.
36.1	33.8	1292.3	755.0	19.0	-28.4	999.9	999.9	99.9	99.9	327.1	999.9	99.9	999.9	999.9	999.
38.7	34.2	1296.8	750.0	18.8	-28.4	999.9	999.9	99.9	99.9	327.9	999.9	99.9	999.9	999.9	999.
41.4	34.6	1301.3	745.0	18.6	-28.4	999.9	999.9	99.9	99.9	329.2	999.9	99.9	999.9	999.9	999.
44.2	35.0	1305.8	740.0	18.4	-28.4	999.9	999.9	99.9	99.9	331.4	999.9	99.9	999.9	999.9	999.
47.1	35.4	1310.3	735.0	18.2	-28.4	999.9	999.9	99.9	99.9	332.0	999.9	99.9	999.9	999.9	999.
50.1	35.8	1314.8	730.0	18.0	-28.4	999.9	999.9	99.9	99.9	333.4	999.9	99.9	999.9	999.9	999.
53.2	36.2	1319.4	725.0	17.8	-28.4	999.9	999.9	99.9	99.9	335.0	999.9	99.9	999.9	999.9	999.
56.4	36.6	1323.9	720.0	17.6	-28.4	999.9	999.9	99.9	99.9	336.3	999.9	99.9	999.9	999.9	999.
59.7	37.0	1328.5	715.0	17.4	-28.4	999.9	999.9	99.9	99.9	336.3	999.9	99.9	999.9	999.9	999.
63.2	37.3	1333.1	710.0	17.2	-28.4	999.9	999.9	99.9	99.9	411.8	999.9	99.9	999.9	999.9	999.
66.8	37.7	1337.7	705.0	17.0	-28.4	999.9	999.9	99.9	99.9	443.7	999.9	99.9	999.9	999.9	999.
70.5	38.1	1342.3	700.0	16.8	-28.4	999.9	999.9	99.9	99.9	503..	999.9	99.9	999.9	999.9	999.
74.4	38.5	1346.9	695.0	16.6	-28.4	999.9	999.9	99.9	99.9	640.7	999.9	99.9	999.9	999.9	999.

* AT SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* AT TEMP MEANS TEMPERATURE OR TEMP HAVE BEEN INTERPOLATED
** AT SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

1 MAY 1978
2300 GMT

156 15. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.6	298.0	979.0	10.4	-3.3	340.0	4.6	1.6	-4.3	285.3	293.6	3.1	38.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	8.9	332.0	975.0	9.7	-4.6	84.8	7.0	-7.0	-0.6	285.0	292.5	2.8	35.9	0.1	131.
0.8	11.3	546.6	950.0	7.0	-6.1	18.1	6.9	-2.1	-6.6	284.3	291.2	2.6	38.7	0.3	179.
1.8	13.6	765.0	925.0	4.9	-6.2	8.3	6.2	-0.9	-6.1	284.3	291.4	2.6	44.3	0.6	187.
2.8	16.0	987.6	900.0	2.8	-6.7	3.1	7.1	-0.4	-7.1	284.4	291.4	2.6	49.5	1.0	186.
3.4	18.5	1214.9	875.0	0.6	-7.3	0.7	7.3	-0.1	-7.3	284.5	291.4	2.5	55.3	1.4	185.
4.4	21.0	1446.7	850.0	-1.6	-7.4	356.7	8.1	0.5	-8.0	284.5	291.5	2.6	64.5	1.8	183.
5.4	23.5	1683.6	825.0	-3.9	-7.6	1.4	8.5	-0.2	-8.4	284.5	291.6	2.6	75.6	2.2	182.
6.2	26.1	1925.7	800.0	-5.6	-8.1	9.1	9.4	-1.5	-9.3	285.2	292.2	2.6	82.4	2.7	183.
7.2	28.7	2175.1	775.0	-4.8	-11.2	13.2	10.2	-2.3	-10.0	288.7	294.5	2.1	60.6	3.3	184.
8.0	31.3	2432.9	750.0	-5.4	-12.9	12.8	10.0	-2.2	-9.8	290.7	296.1	1.9	55.6	3.8	186.
9.0	34.0	2698.9	725.0	-5.4	-14.8	3.9	9.5	-0.7	-9.5	293.5	298.4	1.7	47.8	4.3	186.
9.9	36.8	2973.8	700.0	-6.0	-19.2	355.9	9.5	0.7	-9.5	295.9	299.5	1.2	34.3	4.9	185.
10.9	39.6	3258.4	675.0	-6.7	-20.8	354.9	7.9	0.7	-7.9	298.2	301.5	1.1	31.4	5.4	184.
11.8	42.3	3553.0	650.0	-6.8	-21.0	357.1	4.0	0.2	-4.0	301.2	304.6	1.1	31.3	5.7	184.
12.4	45.3	3858.1	625.0	-8.6	-25.9	335.2	3.5	1.5	-3.1	302.6	305.0	0.7	23.2	5.9	184.
14.0	48.3	4173.6	600.0	-9.9	-35.1	302.4	6.2	5.2	-3.3	304.7	305.8	0.3	10.6	6.1	181.
15.2	51.3	4500.6	575.0	-11.8	-36.5	300.5	11.4	9.8	-5.8	306.1	307.1	0.3	10.7	6.4	177.
16.3	54.4	4839.0	550.0	-14.6	-38.5	295.6	17.5	15.8	-7.5	306.7	307.6	0.2	11.0	7.0	170.
17.6	57.5	5190.1	525.0	-16.3	-39.7	291.5	22.0	20.4	-8.0	308.8	309.6	0.2	11.2	8.0	160.
19.1	60.6	5553.2	500.0	-19.0	-40.3	287.1	23.4	22.4	-6.9	309.9	310.7	0.2	13.2	9.4	151.
20.4	64.0	5929.0	475.0	-21.2	-41.3	284.0	24.6	23.9	-5.9	311.7	312.5	0.2	14.3	11.0	143.
22.1	67.4	6322.1	450.0	-23.8	-43.3	281.6	25.8	25.3	-5.2	313.3	313.9	0.2	14.5	12.8	136.
23.9	70.9	6746.9	425.0	-27.2	-45.4	283.3	26.6	25.8	-6.1	314.2	314.8	0.2	15.7	14.8	131.
25.1	74.6	7181.6	400.0	-29.5	-47.1	281.7	28.0	27.5	-5.7	316.7	317.2	0.1	16.0	17.0	127.
26.7	78.3	7639.8	375.0	-32.3	-49.4	278.2	30.4	30.1	-4.3	318.9	319.3	0.1	16.2	19.6	123.
28.4	82.3	8122.2	350.0	-36.5	-52.8	281.7	32.1	31.4	-6.5	319.5	319.8	0.1	16.6	22.6	120.
30.3	86.3	8632.5	325.0	-39.8	99.9	279.3	37.1	36.6	-6.0	321.8	999.9	99.9	999.9	26.2	117.
32.2	90.6	9175.3	300.0	-43.1	99.9	273.7	40.1	40.0	-2.6	324.7	999.9	99.9	999.9	30.5	114.
34.4	95.0	9753.0	275.0	-46.4	99.9	275.0	41.1	40.9	-3.6	328.0	999.9	99.9	999.9	35.6	111.
36.8	99.8	10382.7	250.0	-52.1	99.9	276.5	43.4	43.2	-4.9	328.6	999.9	99.9	999.9	41.4	109.
39.3	104.8	11055.9	225.0	-58.1	99.9	276.5	45.2	44.9	-5.1	329.6	999.9	99.9	999.9	47.9	107.
42.0	110.0	11791.5	200.0	-62.5	99.9	279.4	35.8	35.3	-5.9	333.7	999.9	99.9	999.9	55.3	106.
45.2	115.8	12627.0	175.0	-56.8	99.9	282.0	26.7	26.1	-5.5	356.2	999.9	99.9	999.9	60.4	106.
49.0	121.8	13606.0	150.0	-55.5	99.9	281.0	18.8	18.4	-3.6	374.4	999.9	99.9	999.9	66.2	105.
53.4	128.5	14763.3	125.0	-57.6	99.9	282.6	19.7	19.2	-4.3	390.8	999.9	99.9	999.9	70.3	105.
58.6	135.7	16168.3	100.0	-58.0	99.9	293.9	17.8	16.3	-7.2	415.8	999.9	99.9	999.9	76.9	105.
64.9	143.3	17964.3	75.0	-57.1	99.9	303.2	7.7	6.5	-4.2	453.2	999.9	99.9	999.9	80.7	106.
73.3	151.5	20559.2	50.0	-54.2	99.9	256.6	7.9	7.7	1.8	515.8	999.9	99.9	999.9	84.9	106.
86.0	159.7	25038.5	25.0	-50.7	99.9	160.0	6.3	-2.2	6.0	639.3	999.9	99.9	999.9	85.8	106.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

1 MAY 1978
2330 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

155 28. 1

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	175.0	994.9	11.1	-4.5	40.0	7.2	-4.6	-5.5	284.7	292.1	2.7	33.0	0.0	0.
55.5	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.7	343.2	975.0	9.7	-5.8	999.9	999.9	99.9	92.9	284.9	291.9	2.5	32.9	999.9	999.
1.3	10.8	510.0	950.0	7.9	-6.3	999.9	999.9	99.9	99.9	285.2	292.1	2.5	36.0	999.9	999.
2.1	12.9	676.7	925.0	5.4	-7.1	999.9	999.9	99.9	99.9	284.8	291.5	2.4	40.2	1.3	218.
2.8	15.1	999.8	900.0	3.4	-6.9	36.5	10.2	-6.0	-8.2	285.0	291.9	2.5	47.0	1.7	218.
3.5	17.3	1227.4	875.0	0.8	-7.9	38.5	9.4	-5.9	-7.4	284.7	291.3	2.4	52.1	2.1	218.
4.3	19.5	1459.6	850.0	-0.9	-9.9	42.7	8.6	-5.9	-6.4	285.2	291.1	2.1	50.8	2.5	218.
5.1	21.8	1698.0	825.0	-0.4	-21.3	48.5	8.1	-6.0	-5.3	288.1	290.6	0.8	18.8	3.0	219.
6.1	24.2	1943.7	800.0	-1.2	-25.6	50.2	8.0	-6.1	-5.1	289.9	291.7	0.6	13.5	3.4	221.
6.8	26.5	2196.1	775.0	-2.6	-28.6	48.2	7.9	-5.9	-5.3	291.0	292.4	0.5	11.4	3.8	221.
7.6	28.9	2455.3	750.0	-3.5	-32.6	33.2	7.0	-3.8	-5.8	292.8	293.8	0.3	8.4	4.2	222.
8.7	31.3	2723.2	725.0	-3.5	-34.5	0.3	8.8	-0.0	-8.8	295.6	296.5	0.3	6.9	4.5	220.
9.6	33.8	3000.8	700.0	-2.7	-34.0	333.8	11.8	5.2	-10.6	299.5	300.5	0.3	6.8	4.9	214.
10.5	36.3	3288.7	675.0	-3.4	-34.2	318.5	12.2	8.1	-9.2	301.9	302.9	0.3	7.0	5.2	207.
11.6	38.9	3586.8	650.0	-5.0	-29.7	307.7	11.6	9.2	-7.1	305.0	306.0	0.5	11.0	5.4	200.
12.7	41.6	3895.5	625.0	-5.8	-27.1	309.3	12.3	9.5	-7.8	305.8	306.8	0.7	16.7	5.7	192.
13.8	44.3	4214.3	600.0	-7.4	-27.8	312.3	13.9	10.3	-9.3	307.6	309.7	0.6	17.6	6.2	185.
14.5	47.1	4544.8	575.0	-8.7	-27.5	311.9	15.5	11.5	-10.4	309.8	312.1	0.7	20.1	6.8	178.
15.5	49.9	4887.6	550.0	-11.0	-29.3	309.4	15.2	11.8	-9.7	311.0	313.1	0.6	20.3	7.5	173.
17.2	52.9	5243.3	525.0	-13.7	-31.4	309.9	15.8	12.1	-10.1	311.9	313.7	0.5	20.7	8.4	167.
18.4	55.9	5611.6	500.0	-16.8	-33.7	311.3	17.1	12.8	-11.3	312.6	314.1	0.4	21.4	9.4	163.
19.8	59.0	5994.8	475.0	-19.4	-37.5	307.0	17.1	13.7	-10.3	314.0	315.1	0.3	18.2	10.6	159.
21.1	62.3	6393.2	450.0	-22.1	-41.9	302.2	17.1	14.5	-9.1	315.4	316.2	0.2	14.6	11.7	155.
22.3	65.5	6807.8	425.0	-24.5	-44.5	302.1	18.3	15.5	-9.7	317.6	318.3	0.2	13.5	12.8	152.
23.7	68.9	7239.8	400.0	-28.4	-47.2	298.8	19.5	17.1	-9.4	318.1	318.6	0.1	14.1	14.2	149.
25.3	72.4	7690.7	375.0	-32.0	-48.3	291.6	19.0	17.7	-7.0	319.2	319.7	0.1	18.5	15.8	145.
27.1	76.1	8165.0	350.0	-35.2	-39.1	285.1	17.5	16.9	-4.6	321.3	322.6	0.4	67.1	17.3	141.
28.8	80.0	8667.2	325.0	-36.9	-42.4	279.4	17.2	17.0	-2.8	323.1	324.1	0.3	69.6	18.8	138.
30.4	84.0	9202.0	300.0	-41.2	99.9	276.9	16.2	16.1	-2.2	324.5	999.9	99.9	999.9	20.2	135.
32.2	88.3	9781.7	275.0	-46.6	99.9	278.1	17.8	17.6	-2.5	324.9	999.9	99.9	999.9	21.8	131.
34.2	93.0	10450.3	250.0	-54.3	99.9	284.4	17.7	17.1	-4.4	325.3	999.9	99.9	999.9	23.6	129.
36.3	97.8	11178.8	225.0	-58.6	99.9	292.6	17.2	15.9	-6.6	328.8	999.9	99.9	999.9	25.6	127.
38.5	103.0	11853.3	200.0	-61.4	99.9	288.7	18.0	17.0	-5.7	335.6	999.9	99.9	999.9	27.9	126.
40.9	108.8	12679.1	175.0	-62.8	99.9	279.2	21.3	21.3	-0.1	346.3	999.9	99.9	999.9	30.2	123.
43.6	115.0	13642.5	150.0	-58.6	99.9	287.8	20.5	19.5	-6.3	369.1	999.9	99.9	999.9	33.3	121.
46.9	122.3	14787.0	125.0	-57.9	99.9	286.4	19.6	18.8	-5.5	390.2	999.9	99.9	999.9	37.2	120.
50.5	130.5	16191.7	100.0	-58.6	99.9	286.6	15.8	15.2	-4.6	414.5	999.9	99.9	999.9	41.0	118.
55.6	140.0	17929.2	75.0	-60.2	99.9	295.8	12.8	11.5	-5.6	446.6	999.9	99.9	999.9	45.2	117.
64.4	151.0	20528.8	50.0	-57.4	99.9	316..	5.4	3.7	-3.9	508.3	999.9	99.9	999.9	48.9	116.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

1 MAY 1978
2327 GMT

132 63. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	GAIN	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	.2E3	791E3	9E3E3	4.4	3.2	50.0	9.2	-7.1	-5.9	283.9	297.6	5.2	92.8	0.0	0.
99.9	99.9	99.9	10E3E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	.4E2	975E3	9 3E3	1.7	1.3	999.9	999.9	99.9	99.9	283.2	295.5	4.7	97.4	999.9	999.
1.7	.6E3	12E3E3	87E3	0.4	-0.9	999.9	999.9	99.9	99.9	284.2	295.7	4.4	97.1	1.2	235.
2.8	.8E3	14E3E1	8E3E3	-0.2	-3.6	78.3	15.0	-14.7	-3.0	285.9	297.4	4.3	97.1	1.9	240.
3.1	25.5	17E3E1	82E3	3.4	3.0	95.3	14.0	-13.9	1.3	292.2	307.7	5.8	97.5	2.6	248.
4.3	44.6	19E3E4	80E3	3.5	3.1	108.2	10.7	-10.2	3.4	294.9	311.1	6.0	97.1	3.1	254.
4.5	64.8	22E3E4	77E3	2.4	2.0	127.4	7.2	-5.7	4.4	296.4	312.1	5.7	96.8	3.4	259.
5.5	27.0	24E3E3	75E3	1.4	1.3	149.7	4.9	-2.5	4.2	298.6	314.1	5.6	96.5	3.6	264.
6.7	49.4	27E3E4	7E3E3	0.2	-0.3	153.3	2.1	-0.9	1.8	299.7	314.1	5.2	96.6	3.7	266.
7.7	11.7	30E3E3	70E3	-1.2	-1.8	133.2	1.2	-1.2	0.3	301.1	314.7	4.8	96.2	3.7	267.
8.7	34.2	33 E3	67E3	-3.3	-3.8	88.4	1.5	-1.5	-0.3	302.8	314.2	4.3	96.1	3.8	267.
9.6	56.7	35E3E3	65E3	-5.4	-6.1	81.8	1.7	-1.7	-0.2	302.9	313.7	3.6	95.2	3.9	267.
10.5	19.3	38E3E1	62E3	-7.3	-8.1	159.2	1.1	-0.4	1.3	304.1	313.8	3.3	94.4	3.9	267.
11.4	41.9	42E3E3	59E3	-8.1	-11.5	259.6	4.1	4.0	0.7	305.5	314.3	2.6	77.1	3.9	267.
12.2	44.7	45E3E3	57E3	-9.3	-14.1	263.2	8.3	8.3	1.0	309.1	315.9	2.2	68.4	3.5	268.
13.2	47.4	45E3E3	5E3E3	-11.4	-15.4	261.7	10.9	10.8	1.8	310.6	316.5	1.9	66.4	3.3	269.
14.1	0.3	52E3E3	5E3E3	-13.4	-33.5	254.3	12.1	11.6	3.3	312.3	314.8	0.8	29.0	2.3	272.
15.1	3.3	56.8E2	53E3	-14.8	-39.9	252.5	13.5	12.7	4.5	313.8	313.9	0.3	1.0	1.6	281.
16.1	6.4	61E2E2	47E3	-15.9	-54.5	253.8	13.7	13.0	4.5	314.6	314.8	0.0	2.6	1.0	307.
17.1	29.6	64E1E2	45E3	-22.3	-47.2	248.7	16.5	15.4	6.3	315.6	316.4	0.2	14.3	0.9	3.
18.1	52.9	68E1E3	42E3	-24.1	-45.4	246.1	19.7	18.3	8.0	318.1	319.3	0.3	20.4	1.9	43.
19.5	16.4	72E1E7	40E3	-27.7	-47.3	240.9	18.4	16.1	9.3	319.0	319.5	0.1	13.4	3.2	51.
20.7	19.5	77E1E7	37E3	-31.9	-46.8	247.5	19.4	17.8	7.6	319.4	319.9	0.1	21.0	4.4	54.
21.7	43.8	82E1E3	35E3	-35.4	-50.9	256.3	24.5	23.3	5.7	321.0	321.3	0.1	14.7	5.9	56.
22.7	77.8	87E1E7	32E3	-39.3	-50.7	255.7	29.9	30.5	5.0	322.5	322.7	0.0	10.5	8.0	64.
23.8	41.2	92E1E5	3E3E3	-44.1	99.9	260.3	35.8	35.3	6.2	323.3	999.9	99.9	999.9	10.6	69.
25.1	45.6	98E1E4	27E3	-45.8	99.9	262.6	39.5	38.5	8.3	324.6	999.9	99.9	999.9	14.1	71.
27.7	1.4	.10E2E8	25E3	-51.9	99.9	261.7	40.3	39.9	5.8	325.9	999.9	99.9	999.9	17.9	73
28.5	26.5	1.14E2E5	24E3	-57.7	99.9	263.1	35.3	35.1	4.3	330.1	999.9	99.9	999.9	22.3	75
29.4	1.2E2	1.18E2E3	23E3	-61.3	99.9	261.6	32.9	32.6	4.8	335.7	999.9	99.9	999.9	25.9	76.
31.1	1.6E3	.12E2E5	17E3	-62.4	99.9	256.1	24.5	23.3	5.9	347.0	999.9	99.9	999.9	29.4	77.
32.4	1.8E7	1.36E2E4	15E3	-58.8	99.9	254.3	19.8	19.1	5.4	369.2	999.9	99.9	999.9	32.5	77.
33.7	1.2E3	1.48.5E7	14E3	-59.9	99.9	252.4	16.6	15.8	5.0	388.2	999.9	99.9	999.9	35.2	76.
34.3	1.5E3	1.52E3E2	13E3	-61.5	99.9	267.8	11.3	11.2	0.4	408.3	999.9	99.9	999.9	37.6	76.
45.3	1.5E7	.80E3E3	7E3	-59.5	99.9	999.9	999.9	99.9	99.9	448.3	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	5E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25E3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 16 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

1 MAY 1978
2330 GMT

154 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.8	268.0	985.1	13.9	-0.5	30.0	5.2	-2.6	-4.5	288.3	298.4	3.7	37.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.6	354.7	975.0	12.3	-1.7	75.7	7.1	-6.8	-1.8	287.6	297.0	3.5	37.5	0.8	192.
1.0	10.8	571.4	950.0	9.9	-2.6	72.9	6.7	-6.4	-2.0	287.2	296.2	3.3	41.3	0.9	204.
1.7	12.9	791.9	925.0	7.7	-3.3	66.8	6.4	-5.9	-2.5	287.2	296.0	3.2	45.7	1.1	213.
2.3	15.2	1016.9	900.0	5.4	-3.7	60.7	6.7	-5.9	-3.3	287.0	295.8	3.2	52.0	1.4	219.
3.1	17.4	1246.4	875.0	3.3	-4.2	60.6	7.3	-6.3	-3.6	287.3	296.0	3.2	57.8	1.7	223.
4.1	19.6	1480.5	850.0	1.1	-5.9	59.1	8.7	-7.5	-4.5	287.3	295.2	2.9	59.6	2.1	226.
4.9	21.9	1720.4	825.0	1.6	-26.	64.3	8.1	-7.3	-3.5	290.3	292.1	0.6	12.4	2.5	229.
5.9	24.3	1968.6	800.0	2.1	-14.	57.0	7.4	-6.2	-4.0	293.4	297.9	1.6	26.1	3.0	231.
7.0	26.6	2224.8	775.0	1.9	-25.0	58.7	7.5	-6.4	-3.9	295.8	297.8	0.6	11.5	3.4	232.
8.1	29.1	2488.7	750.0	1.6	-27.8	70.1	6.0	-5.6	-2.0	298.4	300.0	0.5	9.0	3.9	233.
9.2	31.6	2761.1	725.0	0.6	-29.5	66.8	5.3	-4.9	-2.1	300.1	301.5	0.5	8.3	4.3	235.
10.2	34.1	3042.2	700.0	-0.6	-10.5	67.0	4.8	-4.5	-1.9	301.8	309.0	2.4	46.9	4.6	235.
11.4	36.6	3332.4	675.0	-1.9	-12.3	78.6	3.2	-3.1	-0.6	303.5	310.1	2.2	45.0	4.8	236.
12.5	39.2	3631.1	650.0	- .5	-13.5	87.0	2.7	-2.7	-0.1	303.9	310.1	2.1	49.3	5.0	237.
13.6	41.8	3939.9	625.0	-6.7	-12.1	74.6	2.9	-2.8	-0.8	304.9	312.1	2.4	65.2	5.2	238.
14.8	44.3	4257.4	600.0	-7.5	-16.3	62.6	5.0	-4.5	-2.3	307.5	313.0	1.8	49.2	5.4	238.
16.1	47.1	4587.9	575.0	-8.8	-22.8	68.8	3.5	-3.3	-1.3	309.6	313.0	1.1	31.5	5.8	239.
17.5	49.9	4930.8	550.0	-11.2	-17.7	31.1	1.4	-0.7	-1.2	310.8	316.3	1.7	59.4	6.0	239.
19.0	52.8	5286.8	525.0	-13.8	-15.3	301.0	0.5	0.4	-0.3	311.9	318.7	2.2	88.9	6.0	239.
20.5	55.8	5655.5	500.0	-15.9	-22.8	139.4	1.0	-0.6	0.8	313.7	317.6	1.2	55.3	6.1	239.
21.9	58.9	6040.9	475.0	-19.2	-19.7	228.7	2.1	1.6	1.4	314.2	319.5	1.7	95.9	6.0	240.
23.4	62.0	6441.1	450.0	-21.8	-22.2	280.8	2.2	2.1	-0.4	315.9	320.5	1.4	96.4	5.8	239.
24.9	65.3	6860.1	425.0	-24.9	-25.7	308.9	3.1	2.4	-1.9	317.1	320.7	1.1	92.9	5.7	237.
26.4	68.6	7298.8	400.0	-27.8	-29.5	311.1	4.8	3.6	-3.1	318.9	321.7	0.8	84.6	5.6	234.
28.4	72.1	7759.4	375.0	-31.2	-37.5	272.6	6.1	6.1	-0.3	320.3	321.7	0.4	53.5	5.4	229.
30.0	75.7	8244.5	350.0	-35.3	-42.3	243.1	7.7	6.9	3.5	321.2	322.1	0.3	48.2	4.7	224.
31.9	79.5	8756.4	325.0	-39.5	99.9	999.9	999.9	99.9	99.9	322.2	999.9	99.9	999.9	999.9	999.
33.9	83.5	9298.2	300.0	-44.7	99.9	999.9	999.9	99.9	99.9	322.4	999.9	99.9	999.9	999.9	999.
36.1	87.7	9874.1	275.0	-49.4	99.9	999.9	999.9	99.9	99.9	323.6	999.9	99.9	999.9	999.9	999.
38.4	92.2	10491.8	250.0	-54.1	99.9	999.9	999.9	99.9	99.9	325.6	999.9	99.9	999.9	999.9	999.
40.7	96.8	11159.8	225.0	-59.4	99.9	999.9	999.9	99.9	99.9	327.5	999.9	99.9	999.9	999.9	999.
43.3	101.8	11891.4	200.0	-62.7	99.9	247.7	12.9	12.0	4.9	333.5	999.9	99.9	999.9	0.9	117.
46.5	107.4	12717.1	175.0	-61.7	99.9	267.3	17.7	17.7	0.8	348.2	999.9	99.9	999.9	4.1	86.
50.3	113.5	13677.7	150.0	-59.5	99.9	272.1	17.2	17.2	-0.6	367.7	999.9	99.9	999.9	8.0	90.
54.6	120.3	14820.6	125.0	-59.7	99.9	279.2	16.7	16.5	-2.7	386.9	999.9	99.9	999.9	12.7	92.
59.7	127.7	16221.1	100.0	-59.7	99.9	289.7	11.9	11.2	-4.0	412.4	999.9	99.9	999.9	16.8	95.
65.5	136.0	18029.0	75.0	-59.2	99.9	290.5	10.2	9.5	-3.6	448.8	999.9	99.9	999.9	20.7	97.
74.9	145.3	20569.7	50.0	-59.3	99.9	318.1	6.2	4.1	-4.6	503.9	999.9	99.9	999.9	25.6	102.
88.7	155.0	24999.7	25.0	-50.8	99.9	999.9	999.9	99.9	99.9	638.7	999.9	99.9	999.9	26.5	106.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PECRIA, ILLINOIS

1 MAY 1978
2300 GMT

163 14. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	200.0	994.2	12.8	-5.7	30.0	7.7	-3.8	-6.7	286.4	293.4	2.5	27.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.7	363.1	975.0	10.8	-5.4	999.9	999.9	99.9	99.9	286.0	293.2	2.4	31.6	999.9	999.
1.1	10.9	578.5	950.0	8.2	-6.5	999.9	999.9	99.9	99.9	285.5	292.3	2.5	34.4	999.9	999.
1.7	13.2	737.8	925.0	6.6	-7.3	999.9	999.9	99.9	99.9	285.5	292.0	2.4	37.8	0.9	210.
2.2	15.5	1021.5	900.0	4.2	-7.7	46.2	9.2	-6.6	-6.4	285.8	292.4	2.4	41.6	1.2	212.
2.6	17.8	1249.8	875.0	1.9	-8.3	54.6	9.2	-7.5	-5.3	285.8	292.2	2.3	46.3	1.5	217.
3.5	20.1	1482.7	850.0	-0.3	-9.3	55.4	9.1	-7.4	-5.1	285.9	292.0	2.2	50.4	1.8	220.
4.2	22.5	1720.9	825.0	-2.5	-9.6	55.4	8.6	-7.1	-4.9	286.0	292.2	2.2	57.7	2.2	223.
5.0	25.0	1964.1	800.0	-5.0	-9.7	51.5	9.2	-7.2	-5.7	285.8	292.1	2.3	69.8	2.6	225.
5.8	27.4	2213.0	775.0	-6.7	-15.6	44.6	9.5	-6.6	-6.7	286.6	290.9	1.5	50.4	3.0	225.
6.7	29.9	2469.1	750.0	-6.8	-21.5	34.7	9.5	-5.4	-7.8	289.2	291.9	0.9	29.7	3.6	224.
7.7	32.5	2733.6	725.0	-6.8	-27.8	28.8	8.7	-4.2	-7.6	292.0	293.6	0.5	16.8	4.1	223.
8.7	35.1	3007.3	700.0	-7.7	-29.3	27.8	8.2	-3.8	-7.2	294.0	295.5	0.5	15.8	4.6	221.
9.7	37.7	3289.7	675.0	-9.1	-31.6	22.1	8.2	-3.1	-7.6	295.5	296.8	0.4	14.0	5.0	220.
10.7	40.3	3581.1	650.0	-9.8	-33.3	11.5	10.1	-2.0	-9.9	297.9	299.0	0.3	12.5	5.6	217.
11.7	43.1	3883.7	625.0	-9.9	-33.4	356.8	11.0	0.6	-11.0	301.2	302.4	0.4	12.5	6.1	214.
12.9	45.9	4198.4	600.0	-10.7	-33.6	336.2	12.5	5.0	-11.4	303.8	305.0	0.4	13.1	6.7	209.
14.0	48.8	4526.4	575.0	-12.7	-35.5	322.1	15.4	9.5	-12.2	305.1	306.2	0.3	12.8	7.2	203.
15.3	51.8	4868.3	550.0	-13.9	-37.2	315.9	21.0	14.8	-14.8	307.6	308.6	0.3	11.9	7.8	196.
16.5	54.8	5224.9	525.0	-15.1	-37.6	310.1	26.3	20.1	-17.0	310.3	311.2	0.3	12.5	8.8	184.
17.7	57.9	5592.4	500.0	-17.4	-38.8	308.4	29.0	22.7	-18.0	312.0	312.9	0.3	13.2	10.2	174.
19.0	61.0	5968.4	475.0	-20.2	-40.0	305.9	28.5	23.1	-16.7	313.0	313.9	0.2	15.0	11.7	166.
20.4	64.3	6353.1	450.0	-22.7	-41.9	307.5	28.2	22.4	-17.2	314.7	315.4	0.2	15.3	13.7	160.
21.8	67.6	6745.1	425.0	-25.5	-44.7	309.6	27.8	21.4	-17.8	316.3	316.9	0.2	14.5	15.9	155.
23.3	71.1	7144.8	400.0	-28.9	-46.7	309.1	28.4	22.0	-17.9	317.5	318.0	0.1	15.9	18.4	151.
25.1	74.7	7552.5	375.0	-33.2	-49.1	302.1	27.8	23.6	-14.8	317.7	318.1	0.1	18.4	20.8	148.
26.8	78.4	7969.3	350.0	-36.5	-51.7	296.4	28.4	25.5	-12.6	319.5	319.9	0.1	18.8	23.2	145.
28.4	82.3	8395.5	325.0	-40.5	99.9	298.9	30.6	26.8	-14.8	320.9	999.9	99.9	999.9	26.0	142.
30.2	86.3	8831.8	300.0	-43.0	99.9	294.5	31.9	29.1	-13.3	324.8	999.9	99.9	999.9	29.0	139.
32.2	90.6	9280.8	275.0	-46.2	99.9	291.7	31.4	29.2	-11.6	328.3	999.9	99.9	999.9	32.4	136.
34.1	95.2	9742.6	250.0	-52.2	99.9	289.5	30.6	28.8	-10.2	328.4	999.9	99.9	999.9	35.7	134.
36.6	100.0	10218.8	225.0	-58.3	99.9	290.4	29.4	27.6	-10.2	329.1	999.9	99.9	999.9	39.7	131.
39.0	105.0	10712.6	200.0	-62.5	99.9	288.2	26.3	25.0	-8.2	333.9	999.9	99.9	999.9	43.6	129.
41.6	110.6	11227.1	175.0	-58.3	99.9	287.3	22.4	21.4	-6.7	353.7	999.9	99.9	999.9	47.4	127.
45.3	116.8	11767.1	150.0	-57.6	99.9	294.3	17..	16.1	-7.3	371.8	999.9	99.9	999.9	51.3	125.
49.6	123.7	12362.2	125.0	-56.4	99.9	294.7	15.0	13.6	-6.3	392.8	999.9	99.9	999.9	55.3	125.
54.7	131.3	13037.6	100.0	-57.2	99.9	297.1	13.2	11.7	-6.0	417.3	999.9	99.9	999.9	59.5	124.
61.0	140.5	13999.2	75.0	-58.6	99.9	298.0	11.4	10.1	-5.4	449.7	999.9	99.9	999.9	64.0	124.
70.2	151.3	20592.4	50.0	-53.9	99.9	337.8	5.8	2.2	-5.4	518.6	999.9	99.9	999.9	68.8	124.
83.7	163.5	25099.8	25.0	-51.5	99.9	202.9	2.2	0.9	2.0	634.9	999.9	99.9	999.9	68.8	125.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 953
OMAHA, NEBRASKA

1 MAY 1978
2300 GMT

152 11. 6

TIME MIN	GATE	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	400.0	971.7	11.9	-7.8	70.8	4.1	-3.9	-1.4	287.4	293.9	2.3	24.6	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	1.4	588.5	930.6	13.2	-9.8	999.9	999.9	99.9	99.9	287.5	293.8	2.0	23.8	999.9	999.
1.3	1.3	839.2	925.0	8.1	-11.2	999.9	999.9	99.9	99.9	287.6	292.6	1.8	24.2	999.9	999.
2.0	14.7	1334.2	900.0	3.9	-11.4	999.9	999.9	99.9	99.9	287.6	292.6	1.8	27.5	999.9	999.
2.1	1.9	1263.8	875.0	3.9	-11.8	999.9	999.9	99.9	99.9	287.8	292.8	1.8	30.8	999.9	999.
3.5	1.9	1498.1	850.0	1.3	-12.4	999.9	999.9	99.9	99.9	287.5	292.4	1.7	35.2	999.9	999.
4.5	2.0	1737.6	825.0	-0.8	-13.5	999.9	999.9	99.9	99.9	287.8	292.6	1.7	40.9	999.9	999.
5.2	2.6	1983.1	800.0	3.0	-35.2	999.9	999.9	99.9	99.9	291.2	292.5	6.4	9.2	999.9	999.
6.7	25.9	2233.9	775.0	1.8	-32.8	999.9	999.9	99.9	99.9	295.8	296.3	6.2	3.0	999.9	999.
7.3	24.4	2552.1	750.0	1.1	-37.4	999.9	999.9	99.9	99.9	297.4	298.4	6.2	3.7	999.9	999.
8.5	2.8	2773.9	725.0	0.5	-37.5	999.9	999.9	99.9	99.9	299.5	300.2	6.2	3.5	999.9	999.
9.5	3.1	3013.8	700.0	-1.9	-33.7	999.9	999.9	99.9	99.9	300.4	301.4	6.3	6.7	999.9	999.
10.6	3.8	3262.2	675.0	-3.1	-31.8	999.9	999.9	99.9	99.9	302.2	303.5	6.4	8.7	999.9	999.
11.5	4.3	3520.4	650.0	-4.3	-27.9	999.9	999.9	99.9	99.9	304.1	304.6	6.4	13.7	999.9	999.
12.5	4.5	3788.4	625.0	-5.1	-26.5	999.9	999.9	99.9	99.9	306.1	306.9	6.9	2.7	999.9	999.
13.4	42.6	4066.5	600.0	-6.9	-23.6	999.9	999.9	99.9	99.9	308.2	311.2	6.9	24.8	999.9	999.
15.7	44.3	4355.2	575.0	-8.4	-23.5	999.9	999.9	99.9	99.9	309.1	312.2	1.6	35.5	999.9	999.
17.5	45.1	4654.1	550.0	-12.3	-26.3	999.9	999.9	99.9	99.9	309.5	312.1	0.8	35.3	999.9	999.
19.4	7.9	4963.7	525.0	-13.6	-27.2	999.9	999.9	99.9	99.9	310.3	312.5	0.6	28.6	999.9	999.
15.4	48.8	5284.3	500.0	-17.3	-31.4	999.9	999.9	99.9	99.9	312.6	313.8	0.5	27.9	999.9	999.
21.7	17.6	5616.5	475.0	-19.6	-32.3	999.9	999.9	99.9	99.9	313.7	314.1	0.4	23.3	999.9	999.
22.3	51.8	5963.8	450.0	22.6	-42.4	999.9	999.9	99.9	99.9	315.5	316.3	0.2	16.8	999.9	999.
23.5	7.9	6324.9	425.0	-24.9	-40.4	999.9	999.9	99.9	99.9	317.1	317.6	0.1	11.3	999.9	999.
24.7	57.1	7702.0	400.0	-27.8	-43.4	999.9	999.9	99.9	99.9	318.5	319.2	0.1	11.8	999.9	999.
25.7	75.6	7705.2	375.0	-31.2	-47.5	999.9	999.9	99.9	99.9	325.3	325.8	0.1	12..	999.9	999.
26.3	76.1	8095.2	350.0	-35.7	-49.5	999.9	999.9	99.9	99.9	329.4	329.5	0.1	21.6	999.9	999.
29.5	77.9	8715.3	325.0	-43.3	99.9	999.9	999.9	99.9	99.9	321.2	999.9	99.9	999.9	999.9	999.
31.2	81.8	9357.6	300.0	-43.9	99.9	999.9	999.9	99.9	99.9	323.5	999.9	99.9	999.9	999.9	999.
33.0	85.9	9674.3	275.0	-49.1	99.9	999.9	999.9	99.9	99.9	324.1	999.9	99.9	999.9	999.9	999.
34.5	99.3	10492.4	250.0	-55.0	99.9	999.9	999.9	99.9	99.9	324.3	999.9	99.9	999.9	999.9	999.
36.2	99.9	11137.9	225.0	-59.7	99.9	999.9	999.9	99.9	99.9	327.1	999.9	99.9	999.9	999.9	999.
40.4	99.9	11974.8	200.0	-61.1	99.9	999.9	999.9	99.9	99.9	329.7	999.9	99.9	999.9	999.9	999.
42.0	100.3	12710.4	175.0	-61.2	99.9	999.9	999.9	99.9	99.9	345.7	999.9	99.9	999.9	999.9	999.
44.3	100.3	13535.3	150.0	-59.6	99.9	999.9	999.9	99.9	99.9	367.4	999.9	99.9	999.9	999.9	999.
45.7	100.8	14214.2	125.0	-58.2	99.9	999.9	999.9	99.9	99.9	389.7	999.9	99.9	999.9	999.9	999.
50.3	101.3	15014.2	100.0	-58.1	99.9	999.9	999.9	99.9	99.9	415.6	999.9	99.9	999.9	999.9	999.
55.8	101.3	15854.8	75.0	-58.9	99.9	999.9	999.9	99.9	99.9	449.4	999.9	99.9	999.9	999.9	999.
64.5	101.3	16954.8	50.0	-57.4	99.9	999.9	999.9	99.9	99.9	508.5	999.9	99.9	999.9	999.9	999.
78.8	101.3	20556.8	25.0	-53.6	99.9	999.9	999.9	99.9	99.9	630.8	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

1 MAY 1978
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.4	847.0	920.1	12.8	-0.1	110.0	6.7	-6.3	2.3	292.9	304.2	4.1	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	15.2	1041.7	900.0	10.5	-1.5	999.9	999.9	99.9	99.9	292.3	302.8	3.8	43.4	999.9	999.
1.0	17.5	1265.2	875.0	7.6	-2.5	999.9	999.9	99.9	99.9	291.7	301.8	3.7	48.8	0.7	279.
2.7	19.8	1503.1	850.0	5.4	-3.1	96.5	8.2	-8.2	0.9	291.8	301.7	3.6	54.4	1.2	279.
3.7	22.1	1746.2	825.0	3.0	-3.8	89.3	8.4	-8.4	-0.1	291.8	301.5	3.5	60.7	1.7	277.
4.9	24.5	1994.7	800.0	0.6	-4.2	84.3	8.3	-8.2	-0.8	291.8	301.4	3.5	70.4	2.3	274.
6.0	27.0	2248.7	775.0	-1.6	-3.8	79.8	9.2	-9.0	-1.6	292.1	302.4	3.7	84.9	2.8	272.
7.0	29.5	2509.3	750.0	-3.1	-6.2	76.2	9.2	-9.0	-2.2	293.2	300.9	2.8	68.4	3.4	269.
8.1	32.0	2776.6	725.0	-2.4	-23.2	87.3	10.0	-9.9	-0.5	296.9	299.4	0.8	18.3	4.0	268.
9.1	34.6	3050.4	700.0	-3.2	-23.4	101.7	9.8	-9.6	2.0	298.9	301.5	0.8	19.2	4.6	269.
10.2	37.2	3331.5	675.0	-4.6	-25.8	104.4	10.3	-10.0	2.6	300.5	302.7	0.7	17.1	5.2	271.
11.3	39.9	3620.5	650.0	-6.0	-24.7	99.0	10.7	-10.5	1.7	302.2	304.7	0.8	21.0	5.9	272.
12.5	42.7	3917.5	625.0	-7.2	-15.9	100.0	10.3	-10.1	1.8	304.2	310.0	1.9	53.8	6.7	273.
13.6	45.6	4224.0	600.0	-8.6	-16.6	106.5	10.4	-10.0	3.0	306.1	311.5	1.7	52.6	7.3	274.
14.7	48.3	4542.7	575.0	-10.6	-15.5	109.1	9.5	-9.0	3.1	307.6	313.7	2.0	67.6	7.9	275.
16.0	51.1	4874.2	550.0	-12.1	-17.1	113.1	8.4	-7.8	3.3	309.7	315.4	1.8	66.6	8.6	276.
17.3	54.1	5220.8	525.0	-14.1	-19.5	117.3	8.2	-7.8	2.4	311.5	316.4	1.6	63.4	9.2	277.
18.4	57.3	5582.5	500.0	-16.9	-24.1	108.7	8.0	-7.6	2.6	312.5	316.0	1.1	53.1	9.9	278.
19.6	60.4	6060.5	475.0	-19.6	-21.1	115.1	6.3	-5.7	2.7	313.7	318.5	1.5	87.9	10.4	279.
21.2	63.6	6440.2	450.0	-22.5	-22.9	117.0	4.4	-3.9	2.0	314.9	319.2	1.3	96.8	10.8	279.
22.4	66.9	6837.7	425.0	-25.1	-26.3	110.5	4.7	-4.4	1.6	316.9	320.3	1.0	89.5	11.2	280.
24.1	70.3	7255.5	400.0	-28.4	-29.7	111.6	5.7	-5.3	2.1	318.0	320.7	0.8	88.9	11.6	280.
25.6	73.9	7705.2	375.0	-31.9	-33.5	120.2	6.5	-5.6	3.3	319.4	321.4	0.6	85.5	12.2	281.
27.3	77.6	8239.2	350.0	-35.8	-37.6	129.0	7.4	-5.7	4.6	320.5	322.0	0.4	83.1	12.8	282.
29.1	81.3	8750.8	325.0	-39.5	99.9	137.4	7.6	-5.1	5.6	322.2	999.9	99.9	999.9	13.5	284.
30.9	85.5	9392.2	300.0	-44.4	99.9	134.2	8.2	-5.9	5.7	322.8	999.9	99.9	999.9	14.2	286.
32.9	89.7	9969.4	275.0	-49.8	99.9	140.5	9.6	-6.1	7.4	323.1	999.9	99.9	999.9	15.1	288.
35.1	94.2	10618.6	250.0	-55.1	99.9	146.6	9.1	-5.0	7.6	324.2	999.9	99.9	999.9	16.1	290.
37.5	99.0	11349.8	225.0	-60.4	99.9	141.9	10.2	-6.3	8.0	326.0	999.9	99.9	999.9	17.3	293.
40.1	104.0	11875.7	200.0	-64.3	99.9	157.7	9.2	-3.5	8.5	330.9	999.9	99.9	999.9	18.6	296.
43.1	109.5	12694.8	175.0	-60.7	99.9	211.7	9.5	5.0	8.1	349.8	999.9	99.9	999.9	19.2	299.
46.5	115.4	13661.7	150.0	-58.4	99.9	253.8	11.1	10.7	3.1	369.5	999.9	99.9	999.9	18.3	306.
50.6	122.0	14811.5	125.0	-57.2	99.9	274.2	8.2	8.1	-0.8	391.3	999.9	99.9	999.9	16.3	311.
55.6	129.0	16224.3	100.0	-57.6	99.9	272.5	6.1	6.1	-0.3	416.5	999.9	99.9	999.9	15.0	315.
62.4	136.7	18039.8	75.0	-59.1	99.9	292.2	6.4	6.0	-2.4	449.1	999.9	99.9	999.9	13.0	322.
70.9	145.0	20531.7	50.0	-59.1	99.9	315.8	4.5	3.2	-3.3	504.1	999.9	99.9	999.9	10.6	329.
84.1	153.7	25026.9	25.0	-52.5	99.9	22.1	2.2	-0.8	-2.0	634.2	999.9	99.9	999.9	8.8	319.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
# BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11661
MARSHALL SFC., ALABAMA

1 MAY 1970
2315 GMT

103 43. 0

TIME MIN	ALTITUDE	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
[illegible]	7.8	[illegible]	[illegible]	14.8	11.9	335.5	1.1	1.1	-1.0	291.6	314.2	8.9	71.6	0.0	0.
99.9	99.9	99.9	9999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	14.4	11.5	22.9	7.6	-3.1	-7.2	290.5	312.3	8.8	83.6	1.2	154.
[illegible]	[illegible]	[illegible]	[illegible]	12.3	10.8	24.6	7.7	-3.2	-7.3	289.9	312.3	8.6	89.6	0.5	253.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.6	18.4	7.5	-2.2	-6.4	291.3	311.4	8.5	91.1	3.9	253.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.5	345.5	4.8	1.2	-4.7	292.8	314.7	8.3	91.0	1.2	235.
[illegible]	[illegible]	[illegible]	[illegible]	9.9	4.4	134.4	4.4	3.4	-2.5	294.6	315.2	8.5	93.7	1.3	192.
[illegible]	[illegible]	[illegible]	[illegible]	8.7	7.3	290.5	4.3	5.7	-2.4	295.3	315.6	7.6	95.6	1.4	184.
[illegible]	[illegible]	[illegible]	[illegible]	7.5	5.5	293.1	7.8	7.2	-3.1	294.5	314.7	6.9	95.2	1.6	164.
[illegible]	[illegible]	[illegible]	[illegible]	5.9	4.1	293.8	8.3	7.3	-4.5	297.4	315.3	6.5	99.4	2.5	155.
[illegible]	[illegible]	[illegible]	[illegible]	4.5	2.8	237.4	[illegible]	15.5	-5.2	298.7	315.4	6.1	88.9	2.5	167.
[illegible]	[illegible]	[illegible]	[illegible]	2.4	1.2	244.4	1.8	13.8	-4.4	299.7	315.2	5.4	89.1	3.1	145.
[illegible]	[illegible]	[illegible]	[illegible]	5.4	-5.2	233.7	14.5	15.4	-3.8	301.1	353.8	3.9	54.1	4.1	131.
[illegible]	[illegible]	[illegible]	[illegible]	4.8	[illegible]	244.1	[illegible]	13.6	-4.4	303.6	317.9	3.7	15.5	5.1	126.
[illegible]	[illegible]	[illegible]	[illegible]	3.7	[illegible]	243.6	23.7	22.5	-5.4	304.4	334.4	5.1	1.2	4.7	125.
[illegible]	[illegible]	[illegible]	[illegible]	-2.5	[illegible]	242.5	23.8	23.1	-5.2	304.7	334.5	5.1	1.5	8.1	117.
[illegible]	[illegible]	[illegible]	[illegible]	-4.4	[illegible]	245.9	25.5	24.5	-7.5	307.2	337.5	5.2	4.7	5.8	116.
[illegible]	[illegible]	[illegible]	[illegible]	-7.8	[illegible]	244.1	26.2	24.5	-8.2	307.1	338.8	5.5	14.6	11.4	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	244.4	27.4	26.5	-8.6	327.4	[illegible]	1.5	35.7	13.3	113.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240.5	26.7	25.8	-6.7	328.9	335.3	3.9	1.2	15.2	112.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	236.	27.4	26.8	-4.7	315.7	[illegible]	5.5	1.5	17.9	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	270.7	27.2	27.4	-4.7	312.2	[illegible]	3.5	1.5	22.5	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	271.2	26.1	25.1	-6.2	315.2	[illegible]	5.5	1.5	22.5	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	266.5	25.5	25.5	5.2	[illegible]	[illegible]	4.1	9.9	23.8	157.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	272.8	25.1	25.1	-1.2	[illegible]	318.1	5.2	17.1	25.9	154.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	249.	23.2	21.2	1.4	314.7	[illegible]	6.2	18.2	28.2	156.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	279.4	25.9	23.9	-5.2	[illegible]	[illegible]	9.1	7.9	31.6	153.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	263.4	23.4	20.4	5.7	[illegible]	325.2	5.2	31.2	33.3	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	262.9	27.9	27.7	8.5	321.5	999.9	99.9	999.9	34.9	151.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	259.4	29.9	29.6	9.0	322.5	999.9	99.9	999.9	39.5	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	254.4	28.4	27.8	4.7	326.4	999.9	99.9	999.9	42.9	97.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	257.7	28.2	27.4	4.5	329.1	999.9	99.9	999.9	46.3	94.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	259.	29.1	23.4	5.3	330.6	999.9	99.9	999.9	50.4	96.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	265.5	34.5	34.4	2.7	345.1	999.9	99.9	999.9	55.7	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	270.5	32.2	32.1	-2.8	349.1	999.9	99.9	999.9	61.2	93.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	274.5	31.4	31.4	-3.8	347.0	999.9	99.9	999.9	68.2	92.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	275.4	29.1	29.1	-2.9	342.2	999.9	99.9	999.9	75.1	92.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	265.7	28.2	28.4	-4.8	[illegible]	999.9	99.9	999.9	82.5	90.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	264.2	16.2	16.5	-4.8	[illegible]	999.9	99.9	999.9	89.8	95.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	177.2	3.6	-4.2	3.3	[illegible]	999.9	99.9	999.9	96.9	94.
99.9	99.9	99.9	[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* EV [illegible] MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* E/ THIS [illegible] TIME HAVE BEEN INTERPOLATED
** EV [illegible] MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33001
COLLEGE STATION, TEXAS

1 MAY 1978
2348 GMT

140 60. 0

TIME MI	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	79.0	993.5	25.5	22.4	0.0	0.0	0.0	0.0	299.2	345.0	17.5	83.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	0.2	244.9	975.0	25.4	19.9	999.9	999.9	99.9	99.9	300.7	341.1	15.2	71.7	999.9	999.
1.6	1.3	473.6	950.0	23.9	18.4	999.9	999.9	99.9	99.9	301.5	339.3	14.2	71.3	999.9	999.
2.5	12.4	736.6	925.0	21.6	16.7	132.6	7.6	-5.6	5.1	301.5	336.5	13.1	73.6	1.1	292.
3.5	14.7	964.3	900.0	19.9	16.4	144.7	8.2	-4.7	6.7	302.0	337.3	13.2	89.1	1.5	300.
4.6	16.7	1197.2	875.0	17.7	11.5	139.5	7.0	-4.6	5.3	302.2	329.3	10.0	67.5	2.0	307.
5.5	19.1	1430.2	850.0	20.7	-3.7	100.4	3.8	-3.7	0.7	307.8	318.0	3.4	19.1	2.3	307.
6.6	21.2	1658.3	825.0	19.7	-6.8	22.6	2.0	-0.8	-1.8	309.5	316.7	2.4	13.6	2.4	304.
7.7	23.6	1956.7	800.0	17.7	-9.1	278.8	2.6	2.6	-0.4	310.0	317.4	2.4	15.2	2.3	304.
8.9	25.8	2206.8	775.0	16.0	-5.5	254.9	3.0	2.9	0.8	311.0	320.9	3.3	22.3	2.1	308.
10.1	28.3	2553.7	750.0	13.2	-4.7	247.2	3.2	3.0	1.2	311.0	321.8	3.6	28.4	2.0	313.
11.3	30.9	2797.4	725.0	10.7	-7.1	238.3	5.7	4.9	3.0	311.2	329.2	6.2	55.4	2.0	320.
12.4	33.5	3038.6	700.0	8.9	-21.6	243.4	8.7	7.8	3.9	312.3	315.6	1.0	10.1	1.9	335.
13.5	35.9	3278.4	675.0	7.0	-27.6	251.5	10.3	9.7	3.3	313.5	315.5	0.6	6.3	2.0	353.
14.8	38.7	3518.7	650.0	4.4	-27.3*	258.6	11.9	11.7	2.3	314.0	316.1	0.6	7.7	2.3	15.
16.0	41.2	4554.1	625.0	2.1	-28.2	264.0	13.8	13.8	1.4	314.9	316.9	0.6	8.4	2.8	33.
16.9	44.1	4031.5	600.0	-1.0	-29.1	263.0	15.5	15.4	1.9	314.9	316.1	1.3	21.8	3.4	44.
18.1	47.0	4069.3	575.0	-4.1	-18.6	256.7	17.1	16.6	3.9	315.2	320.1	1.5	31.1	4.4	53.
19.5	50.0	5015.0	550.0	-7.2	-17.1	248.2	18.4	17.1	6.8	315.6	321.4	1.8	45.0	5.9	58.
20.5	52.9	5277.8	525.0	-11.3	-17.7	252.3	23.8	22.7	7.2	314.9	320.6	1.8	58.8	8.3	61.
21.9	55.8	5539.9	500.0	-14.0	-16.7	999.9	999.9	99.9	99.9	317.3	324.9	2.4	86.4	999.9	999.
23.7	58.9	6140.2	475.0	-15.8	-17.5	999.9	999.9	99.9	99.9	318.4	324.9	2.0	86.7	999.9	999.
25.2	62.0	6546.9	450.0	-18.3	-20.1	999.9	999.9	99.9	99.9	320.3	325.8	1.7	85.2	15.8	74.
27.4	65.7	6971.7	425.0	-21.4	-23.1	284.0	22.0	21.3	-5.3	321.5	326.1	1.4	86.3	17.9	76.
28.8	69.3	7415.5	400.0	-25.1	-26.8	999.9	999.9	99.9	99.9	322.3	325.9	1.1	85.8	19.4	76.
30.2	72.7	7852.1	375.0	-28.0	-30.0	999.9	999.9	99.9	99.9	324.5	327.4	0.8	83.3	999.9	999.
31.6	76.7	8373.7	350.0	-31.8	-34.1	999.9	999.9	99.9	99.9	325.9	328.1	0.6	79.6	999.9	999.
33.7	80.6	8863.4	325.0	-35.9	-39.7	999.9	999.9	99.9	99.9	327.2	328.5	0.4	67.8	999.9	999.
35.5	84.8	9444.3	300.0	-40.2	99.9	272.3	23.8	23.8	-0.9	328.8	999.9	99.9	999.9	29.6	83.
37.6	89.3	10031.9	275.0	-44.9	99.9	266.6	32.3	32.2	1.9	330.2	999.9	99.9	999.9	32.8	84.
41.5	93.8	10651.2	250.0	-50.6	99.9	273.1	28.3	28.3	-1.5	330.9	999.9	99.9	999.9	38.0	85.
42.9	98.6	11341.4	225.0	-54.7	99.9	274.5	35.5	35.4	-2.8	334.7	999.9	99.9	999.9	42.2	85.
45.5	103.8	12048.4	200.0	-59.0	99.9	277.6	48.3	47.9	-6.4	339.4	999.9	99.9	999.9	48.5	87.
48.4	109.8	12816.3	175.0	-63.9	99.9	274.6	47.3	47.1	-3.8	344.5	999.9	99.9	999.9	57.1	89.
52.2	115.8	13647.5	150.0	-69.1	99.9	263.5	48.8	48.5	5.6	351.1	999.9	99.9	999.9	67.9	88.
57.5	122.3	14537.4	125.0	-66.2	99.9	273.6	38.7*	38.6	-2.4	375.1	999.9	99.9	999.9	81.9	88.
62.5	131.0	15544.1	100.0	-64.5	99.9	279.1	19.3*	19.0	-3.1	403.1	999.9	99.9	999.9	90.7	90.
70.2	139.7	16634.0	75.0	-65.1	99.9	284.6	11.-	10.9	-2.9	436.4	999.9	99.9	999.9	97.1	89.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.8	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

2 May 1978

1200 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

2 MAY 1978
1100 GMT

153 10. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.7	7.0	1008.7	21.7	21.5	230.0	1.6	1.2	1.0	294.1	336.0	16.3	99.0	0.0	0.
0.4	6.3	82.7	1000.0	21.6	20.8	999.9	99.9	99.9	99.9	294.8	335.3	15.7	95.2	999.9	999.
1.1	8.2	303.1	975.0	21.0	20.2	999.9	999.9	99.9	99.9	296.3	336.7	15.5	95.1	999.9	999.
1.9	10.2	528.4	950.0	19.6	18.5	999.9	999.9	99.9	99.9	297.1	334.6	14.3	93.4	0.4	56.
2.9	12.2	758.8	925.0	18.7	17.3	249.2	5.2	4.9	1.9	298.4	334.2	13.6	91.5	0.7	61.
3.9	14.2	994.3	900.0	18.2	13.0	254.7	6.8	6.5	1.8	300.3	328.7	10.6	71.7	1.0	64.
4.8	16.2	1235.9	875.0	17.0	9.3	266.7	6.6	6.5	0.4	301.4	325.7	8.9	63.4	1.4	69.
5.7	18.3	1482.5	850.0	16.7	-21.7	270.5	6.7	6.7	-0.1	303.6	306.6	0.9	6.8	1.7	73.
6.6	20.4	1735.9	825.0	15.1	3.5	268.9	7.4	7.4	0.1	304.6	321.5	6.0	46.0	2.1	76.
7.5	22.5	1996.0	800.0	13.5	2.8	272.2	8.0	8.0	-0.3	305.5	322.2	5.9	48.2	2.5	78.
8.4	24.7	2262.5	775.0	11.3	-2.4	269.2	8.1	8.1	0.1	306.0	318.2	4.2	38.7	2.9	80.
9.4	26.9	2535.4	750.0	10.6	-42.2	261.7	8.5	8.4	1.2	308.1	308.6	0.1	1.3	3.4	81.
10.5	29.2	2816.6	725.0	9.0	-44.4	258.4	9.1	8.9	1.8	309.3	309.7	0.1	1.0	4.0	81.
11.6	31.5	3105.8	700.0	7.2	-45.5	267.9	10.6	10.6	0.4	310.4	310.8	0.1	1.0	4.7	81.
12.9	33.9	3403.7	675.0	5.9	-46.3	282.5	12.9	12.6	-2.8	312.2	312.6	0.1	1.0	5.5	83.
14.9	36.3	3710.7	650.0	3.2	-48.0	286.9	14.8	14.2	-4.3	312.6	312.9	0.1	1.0	6.3	86.
15.0	38.8	4026.3	625.0	0.2	-39.4	288.6	15.3	14.5	-4.9	312.7	313.4	0.2	3.2	7.3	89.
16.3	41.3	4351.3	600.0	-3.2	-30.3	291.4	14.9	13.9	-5.5	312.4	314.1	0.5	10.2	8.4	92.
17.5	43.9	4685.9	575.0	-5.9	-23.3	290.9	14.3	13.3	-5.1	313.0	316.3	1.0	23.9	9.4	94.
18.8	46.6	5032.2	550.0	-8.7	-24.1	286.4	16.5	15.8	-4.7	313.7	316.9	1.0	27.4	10.5	96.
20.1	49.3	5390.7	525.0	-11.5	-21.5	289.1	20.7	19.6	-6.8	314.6	318.8	1.3	43.2	11.9	97.
21.6	52.1	5764.1	500.0	-12.8	-19.8	293.9	22.6	20.6	-9.1	317.4	322.5	1.6	55.8	13.8	99.
23.0	55.0	6153.2	475.0	-15.7	-27.9	295.1	24.3	22.0	-10.3	318.5	321.2	0.8	34.2	15.7	101.
24.4	58.0	6559.2	450.0	-18.6	-25.3	293.5	24.7	22.7	-9.9	319.8	323.4	1.1	55.3	17.8	103.
25.9	61.1	6983.1	425.0	-21.4	-44.7	286.7	27.4	26.3	-7.9	321.5	322.1	0.2	10.3	20.0	104.
27.5	64.3	7427.5	400.0	-24.5	-33.2	284.3	30.1	29.1	-7.4	323.2	325.2	0.6	44.1	22.9	104.
29.3	67.6	7894.5	375.0	-27.7	-36.1	284.3	29.4	28.5	-7.3	324.9	326.6	0.5	44.5	26.0	104.
31.2	71.1	8387.0	350.0	-31.4	-45.5	284.2	32.6	31.6	-8.0	326.4	327.1	0.2	23.2	29.6	104.
33.0	74.7	8907.7	325.0	-35.6	-51.6	282.3	31.4	30.6	-6.7	327.7	328.0	0.1	17.9	33.1	104.
35.1	78.5	9459.1	300.0	-40.2	99.9	292.8	34.7	33.9	-7.7	328.7	999.9	99.9	999.9	37.1	104.
37.1	82.5	10046.8	275.0	-44.8	99.9	285.0	35.8	34.6	-9.3	330.3	999.9	99.9	999.9	41.5	104.
39.4	86.8	10676.4	250.0	-50.4	99.9	286.1	36.5	35.1	-10.1	331.1	999.9	99.9	999.9	46.6	104.
41.9	91.4	11357.0	225.0	-54.7	99.9	290.3	36.8	34.5	-12.8	334.7	999.9	99.9	999.9	51.7	104.
44.6	96.4	12104.*	200.0	-57.9	99.9	288.6	51.9	49.2	-16.6	341.1	999.9	99.9	999.9	58.5	105.
47.7	101.8	12937.3	175.0	-62.2	99.9	282.8	63.4**	61.8	-14.1	347.3	999.9	99.9	999.9	69.8	105.
51.3	107.8	13879.0	150.0	-65.8	99.9	280.6	65.8*	64.7	-12.1	356.7	999.9	99.9	999.9	83.0	104.
55.2	114.7	14980.9	125.0	-68.4	99.9	285.3	41.1*	39.7	-10.8	371.2	999.9	99.9	999.9	96.4	104.
60.0	122.3	16328.6	100.0	-67.1	99.9	278.5	27.2*	26.9	-4.0	398.2	999.9	99.9	999.9	104.4	104.
65.9	131.3	18074.7	75.0	-66.9	99.9	274.2	14.0*	14.0	-1.0	432.6	999.9	99.9	999.9	112.7	103.
74.1	141.3	20578.4	50.0	-60.9	99.9	257.9	6.7*	6.6	1.4	502.2	999.9	99.9	999.9	114.9	103.
86.9	151.5	25028.1	25.0	-49.4	99.9	265.1	8.2	8.2	0.7	642.8	999.9	99.9	999.9	116.4	103.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 229
CENTERVILLE, ALABAMA

2 MAY 1978
1101 GMT

151 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.6	140.0	995.0	12.4	5.8	10.0	5.2	-0.9	-5.1	286.0	301.2	5.8	64.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.3	310.0	975.0	11.0	4.8	999.9	999.9	99.9	99.9	286.2	300.8	5.6	65.7	999.9	999.
1.5	10.5	527.7	950.0	13.1	8.7	999.9	999.9	99.9	99.9	290.5	310.2	7.5	74.6	999.9	999.
2.4	12.7	752.8	925.0	13.4	10.4	356.0	6.8	0.5	-6.8	293.0	315.8	8.6	82.2	1.1	200.
3.4	14.9	983.4	900.0	12.2	8.9	329.8	6.1	3.1	-5.3	294.1	315.4	8.0	80.2	1.4	190.
4.3	17.2	1220.0	875.0	11.5	10.1	297.5	6.4	5.7	-2.9	295.8	319.5	8.9	90.9	1.6	181.
5.2	19.5	1462.5	850.0	10.4	9.6	283.6	9.2	9.0	-2.2	297.0	320.9	8.9	95.2	1.7	168.
6.1	21.8	1711.3	825.0	9.7	7.2	284.1	14.0	13.6	-3.4	298.9	320.0	7.8	84.7	2.1	152.
7.1	24.2	1967.7	800.0	9.8	5.4	286.1	17.3	16.7	-4.8	301.6	321.2	7.1	74.2	2.8	137.
8.0	26.5	2231.4	775.0	8.8	-0.6	288.3	16.4	15.6	-5.1	303.2	316.9	4.8	52.3	3.7	130.
9.0	29.0	2502.1	750.0	8.4	-23.6	289.2	15.0	14.2	-4.9	305.7	308.2	0.8	8.2	4.5	126.
10.0	31.5	2780.5	725.0	6.2	-21.2	288.5	16.2	15.3	-5.1	306.3	309.3	1.0	11.8	5.4	123.
11.0	34.0	3067.3	700.0	5.2	-20.5	286.5	18.1	17.3	-5.1	308.3	311.7	1.1	13.5	6.4	121.
12.2	36.6	3363.0	675.0	3.3	-27.4	282.6	19.8	19.3	-4.3	309.4	311.3	0.6	8.4	7.7	118.
13.3	39.2	3667.5	650.0	0.8	-8.2	283.5	22.2	21.6	-5.2	309.8	319.3	3.2	50.9	9.1	115.
14.5	41.9	3981.1	625.0	-2.1	-6.3	283.3	22.9	22.3	-5.3	310.1	319.4	3.1	58.8	10.6	114.
15.7	44.7	4304.0	600.0	-5.1	-10.4	283.0	24.8	24.2	-5.6	310.2	319.0	2.9	66.5	12.3	112.
16.9	47.5	4637.1	575.0	-7.5	-19.4	280.8	24.4	23.9	-4.6	311.2	315.7	1.4	38.0	14.2	111.
18.3	50.4	4981.9	550.0	-9.5	-16.8	281.6	25.2	24.7	-5.1	312.6	317.8	1.6	46.8	16.1	110.
19.5	53.4	5340.2	525.0	-11.4	-26.2	282.6	26.1	25.5	-5.7	314.7	317.5	0.9	28.4	18.1	109.
20.8	56.4	5712.6	500.0	-13.8	-32.3	286.1	23.7	22.8	-6.6	316.2	318.0	0.5	19.3	20.0	108.
22.3	59.6	6100.2	475.0	-16.8	-30.2	286.3	23.8	22.8	-6.7	317.2	319.5	0.6	30.0	22.0	108.
23.7	62.8	6504.3	450.0	-19.4	-34.9	286.1	28.5	27.4	-7.9	318.9	320.4	0.4	23.5	24.3	108.
25.3	66.1	6926.4	425.0	-22.7	-32.9	285.5	25.8	24.9	-6.9	319.9	321.9	0.6	38.5	26.8	108.
26.8	69.6	7366.7	400.0	-25.7	-36.1	287.4	28.8	27.5	-8.6	321.7	323.2	0.4	36.5	29.2	109.
28.5	73.1	7833.2	375.0	-29.2	-37.3	288.1	31.0	29.5	-9.6	322.9	324.4	0.4	46.8	32.1	108.
30.3	76.9	8322.5	350.0	-33.3	-40.6	287.9	34.0	32.4	-10.5	323.8	325.0	0.3	47.6	35.3	108.
31.8	80.7	8839.0	325.0	-37.2	-43.6	287.6	34.3	32.7	-10.4	325.4	326.2	0.2	50.8	38.8	108.
33.6	84.8	9387.1	300.0	-41.7	99.9	286.7	34.4	32.9	-9.9	326.6	999.9	99.9	999.9	42.8	108.
35.7	89.0	9971.1	275.0	-45.9	99.9	286.2	42.0	40.3	-11.7	328.7	999.9	99.9	999.9	47.5	108.
37.9	93.4	10597.7	250.0	-51.3	99.9	284.2	40.7	39.5	-10.0	329.8	999.9	99.9	999.9	52.7	107.
40.3	98.2	11273.6	225.0	-56.7	99.9	286.0	40.9	39.3	-11.3	331.7	999.9	99.9	999.9	58.9	107.
42.8	103.2	12010.5	200.0	-61.3	99.9	293.0	40.9*	37.7	-16.0	335.7	999.9	99.9	999.9	65.0	107.
45.7	108.6	12834.4	175.0	-64.6	99.9	283.2	52.6*	51.2	-12.0	343.3	999.9	99.9	999.9	72.1	108.
48.8	114.5	13776.1	150.0	-62.5	99.9	283.8	44.3*	43.0	-10.5	362.4	999.9	99.9	999.9	83.1	107.
52.7	121.0	14895.3	125.0	-63.8	99.9	283.6	30.4*	29.6	-7.1	379.5	999.9	99.9	999.9	90.5	107.
57.2	128.0	16263.4	100.0	-63.2	99.9	273.8	20.3*	20.2	-1.4	405.5	999.9	99.9	999.9	97.9	106.
63.3	135.7	18035.9	75.0	-63.1	99.9	277.0	11.6**	11.5	-1.4	440.6	999.9	99.9	999.9	103.4	105.
71.0	143.7	20554.4	50.0	-61.7	99.9	280.5	7.3**	7.2	-1.3	498.1	999.9	99.9	999.9	106.6	105.
83.5	152.0	25006.8	25.0	-48.7	99.9	999.9	999.9	99.9	99.9	644.9	999.9	99.9	999.9	108.5	105.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

2 MAY 1978
1100 GMT

150 15. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.2	1.0	1007.0	21.6	20.9	999.9	99.9	99.9	99.9	294.2	334.6	15.7	96.0	999.9	999.
0.3	4.8	62.0	1000.0	22.4	21.6	999.9	99.9	99.9	99.9	295.5	338.1	16.5	95.3	999.9	999.
1.1	6.7	283.4	975.0	21.9	21.0	999.9	999.9	99.9	99.9	297.3	339.7	16.3	94.3	999.9	999.
2.0	8.9	509.3	950.0	20.4	19.7	999.9	999.9	99.9	99.9	297.9	338.3	15.4	95.5	999.9	999.
2.8	11.3	976.0	900.0	17.2	15.7	999.9	999.9	99.9	99.9	299.3	340.1	15.5	98.3	999.9	999.
4.7	15.5	1218.0	875.0	18.9	14.0	999.9	999.9	99.9	99.9	299.3	333.0	12.7	91.4	999.9	999.
5.7	17.7	1467.4	850.0	18.3	11.6	999.9	999.9	99.9	99.9	303.4	335.0	11.6	73.4	999.9	999.
6.7	20.2	1722.6	825.0	15.6	10.4	999.9	999.9	99.9	99.9	305.3	333.4	10.2	65.0	999.9	999.
7.7	22.4	1983.4	800.0	13.6	7.2	999.9	999.9	99.9	99.9	305.1	331.8	9.6	70.7	999.9	999.
8.7	24.9	2250.7	775.0	12.6	3.0	999.9	999.9	99.9	99.9	305.7	328.4	8.1	65.9	999.9	999.
9.7	27.2	2526.0	750.0	12.8	-11.7	999.9	999.9	99.9	99.9	307.4	324.9	6.1	51.9	999.9	999.
10.9	29.6	2809.6	725.0	11.5	-32.9	999.9	999.9	99.9	99.9	310.5	317.0	2.1	17.1	999.9	999.
12.0	32.9	3101.0	700.0	8.8	-28.3	999.9	999.9	99.9	99.9	312.1	313.2	0.3	2.8	999.9	999.
13.1	35.2	3400.1	675.0	6.4	-27.4	999.9	999.9	99.9	99.9	312.3	314.0	0.5	5.2	999.9	999.
14.3	37.8	3708.2	650.0	4.2	-28.0	999.9	999.9	99.9	99.9	312.8	314.8	0.6	6.7	999.9	999.
15.4	40.5	4025.8	625.0	1.7	-22.9	999.9	999.9	99.9	99.9	313.8	315.7	0.6	7.3	999.9	999.
16.7	43.3	4353.0	600.0	-1.1	-25.2	999.9	999.9	99.9	99.9	314.4	317.6	1.0	13.9	999.9	999.
17.9	46.3	4690.4	575.0	-4.2	-26.6	999.9	999.9	99.9	99.9	314.9	317.6	0.8	13.9	999.9	999.
19.3	49.4	5038.7	550.0	-7.4	-24.1	999.9	999.9	99.9	99.9	315.1	318.1	0.9	18.5	999.9	999.
20.8	52.4	5399.7	525.0	-9.1	-39.7	999.9	999.9	99.9	99.9	315.3	318.6	1.0	24.9	999.9	999.
22.0	55.6	5775.1	500.0	-12.4	-30.9	999.9	999.9	99.9	99.9	317.4	318.3	0.2	6.2	999.9	999.
23.3	58.9	6164.5	475.0	-15.8	-27.8	999.9	999.9	99.9	99.9	318.0	320.0	0.6	20.1	999.9	999.
24.7	62.3	6570.0	450.0	-18.4	-32.8	999.9	999.9	99.9	99.9	318.4	321.1	0.8	34.6	999.9	999.
26.3	65.9	6994.3	425.0	-21.5	-34.8	999.9	999.9	99.9	99.9	320.2	322.0	0.5	26.5	999.9	999.
28.0	69.7	7438.6	400.0	-24.6	-40.0	999.9	999.9	99.9	99.9	321.4	323.0	0.5	28.8	999.9	999.
29.8	73.8	7905.8	375.0	-27.9	-39.0	999.9	999.9	99.9	99.9	323.0	324.0	0.3	22.2	999.9	999.
31.8	77.5	8397.6	350.0	-31.9	-46.0	999.9	999.9	99.9	99.9	324.6	325.9	0.3	33.9	999.9	999.
33.4	81.5	8916.8	325.0	-35.7	-42.0	999.9	999.9	99.9	99.9	325.7	326.4	0.2	23.0	999.9	999.
35.4	85.9	9468.1	300.0	-40.1	99.9	999.9	999.9	99.9	99.9	327.5	328.5	0.3	52.1	999.9	999.
37.6	90.6	10055.2	275.0	-45.1	99.9	999.9	999.9	99.9	99.9	328.8	999.9	99.9	999.9	999.9	999.
39.9	95.5	10687.5	250.0	-48.4	99.9	999.9	999.9	99.9	99.9	329.9	999.9	99.9	999.9	999.9	999.
42.4	100.7	11373.4	225.0	-53.5	99.9	999.9	999.9	99.9	99.9	334.2	999.9	99.9	999.9	999.9	999.
45.0	106.3	12123.2	200.0	-58.1	99.9	999.9	999.9	99.9	99.9	336.6	999.9	99.9	999.9	999.9	999.
47.9	112.3	12951.8	175.0	-64.2	99.9	999.9	999.9	99.9	99.9	340.8	999.9	99.9	999.9	999.9	999.
51.3	118.8	13881.9	150.0	-69.0	99.9	999.9	999.9	99.9	99.9	344.0	999.9	99.9	999.9	999.9	999.
55.2	126.0	14972.5	125.0	-67.6	99.9	999.9	999.9	99.9	99.9	351.2	999.9	99.9	999.9	999.9	999.
60.3	134.0	16309.9	100.0	-70.2	99.9	999.9	999.9	99.9	99.9	372.6	999.9	99.9	999.9	999.9	999.
66.7	141.5	18043.9	75.0	-65.1	99.9	999.9	999.9	99.9	99.9	392.1	999.9	99.9	999.9	999.9	999.
75.8	149.5	20549.4	50.0	-58.4	99.9	999.9	999.9	99.9	99.9	436.5	999.9	99.9	999.9	999.9	999.
90.0	157.7	25022.3	25.0	-67.5	99.9	999.9	99.9	99.9	99.9	506.1	999.9	99.9	999.9	999.9	999.
										648.6	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

2 MAY 1978
1100 GMT

15P 14. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	100.0	998.6	15.0	10.0	40.0	6.6	-4.2	-5.1	288.3	308.4	7.8	72.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	8.7	352.1	975.0	13.2	8.2	999.9	999.9	99.9	99.9	288.4	306.8	7.0	71.9	999.9	999.
1.7	11.0	520.5	950.0	12.4	11.4	999.9	999.9	99.9	99.9	289.8	313.1	9.0	93.6	999.9	999.
2.5	13.3	746.1	925.0	15.5	14.3	73.4	6.8	-6.5	-1.9	295.2	324.5	11.2	92.6	1.4	233.
3.4	15.6	979.2	900.0	15.1	14.4	91.4	3.7	-3.7	0.1	297.0	327.6	11.6	95.6	1.6	238.
4.4	17.9	1218.3	875.0	14.6	13.9	302.4	1.1	0.9	-0.6	298.9	329.7	11.5	95.9	1.7	240.
5.2	20.4	1474.0	850.0	13.5	12.9	319.0	1.3	0.8	-1.0	300.3	330.2	11.1	96.1	1.7	238.
6.2	22.8	1715.6	825.0	11.8	11.2	304.6	2.0	1.6	-1.1	301.1	328.8	10.2	96.0	1.7	235.
7.1	25.2	1973.5	800.0	10.3	9.7	283.0	4.3	4.2	-1.0	302.2	328.1	9.5	95.8	1.6	231.
8.1	27.7	2237.4	775.0	7.5	-4.5	266.6	6.7	6.7	0.4	301.8	314.1	4.3	48.9	1.4	221.
9.3	30.2	2506.8	750.0	10.5	-43.5	261.0	9.2	9.1	1.4	308.0	308.3	0.1	1.5	1.0	200.
10.4	32.8	2779.8	725.0	8.4	-44.5	254.2	10.5	10.1	2.9	309.1	309.5	0.1	1.0	0.9	161.
11.6	35.4	3078.5	700.0	6.6	-45.9	255.2	11.3	10.9	2.9	309.8	310.1	0.1	1.0	1.2	121.
12.7	38.1	3375.1	675.0	4.1	-47.4	260.8	12.2	12.1	2.0	310.2	310.5	0.1	1.0	1.9	104.
13.9	40.8	3675.4	650.0	1.7	-48.9	268.0	13.4	13.2	2.7	310.9	311.1	0.1	1.0	2.7	96.
15.2	43.6	3984.6	625.0	-0.7	-44.9	263.3	14.8	14.7	1.7	311.7	312.1	0.1	2.1	3.8	91.
16.3	46.3	4319.9	600.0	-3.7	-20.3	271.7	15.1	15.1	-0.4	311.9	315.9	1.3	26.1	4.8	91.
17.6	49.2	4644.0	575.0	-6.0	-11.0	281.4	16.5	16.2	-3.3	313.0	321.6	2.9	67.6	6.0	92.
19.0	52.3	5000.6	550.0	-8.8	-11.2	283.2	19.4	18.8	-4.4	313.6	322.7	3.0	82.7	7.4	94.
20.3	55.1	5340.1	525.0	-11.6	-14.7	277.1	21.6	21.4	-2.7	315.7	322.9	2.3	71.6	9.1	95.
21.8	58.3	5733.7	500.0	-13.6	-18.2	273.9	22.2	22.1	-1.5	316.5	322.3	1.8	68.3	11.1	95.
23.4	61.4	6121.8	475.0	-16.5	-21.3	274.4	20.9	20.9	-1.6	317.5	322.2	1.5	66.2	13.1	95.
25.0	64.6	6515.8	450.0	-20.0	-25.3	274.9	19.4	19.3	-1.7	318.1	322.3	1.3	74.6	15.1	95.
26.7	68.0	6947.4	425.0	-22.5	-26.1	273.1	22.0	22.0	-1.2	320.2	323.7	1.1	72.3	17.0	95.
28.4	71.4	7365.4	400.0	-25.5	-31.7	276.0	24.8	24.7	-2.6	321.9	324.2	0.7	55.4	19.4	95.
30.1	75.0	7805.1	375.0	-29.1	-34.3	279.3	26.4	26.0	-4.2	323.1	325.0	0.5	60.3	22.1	95.
32.1	78.8	8344.6	350.0	-32.7	-37.4	279.2	26.5	26.1	-4.2	324.6	326.2	0.4	62.4	25.2	96.
34.1	82.7	8862.3	325.0	-36.9	-40.6	278.8	29.4	29.0	-4.5	325.9	327.4	0.3	68.0	28.7	96.
36.4	86.7	9417.3	300.0	-41.4	99.9	282.7	31.0	30.3	-6.8	327.8	999.9	99.9	999.9	32.8	97.
38.8	91.0	9995.6	275.0	-46.2	99.9	284.3	28.9	28.0	-7.1	328.3	999.9	99.9	999.9	37.1	97.
41.3	95.4	10622.1	250.0	-51.1	99.9	281.7	41.8	41.0	-8.5	330.1	999.9	99.9	999.9	42.5	98.
44.0	100.2	11257.7	225.0	-56.0	99.9	284.0	39.7	38.5	-9.6	332.7	999.9	99.9	999.9	48.2	99.
46.8	105.2	12003.9	200.0	-59.9	99.9	284.9	44.7	43.4	-10.8	338.0	999.9	99.9	999.9	56.1	99.
50.0	110.6	12867.9	175.0	-63.1	99.9	280.9	42.9	42.1	-8.1	342.5	999.9	99.9	999.9	63.8	100.
53.4	116.5	13797.8	150.0	-68.4	99.9	275.0	52.3*	52.1	-4.5	352.3	999.9	99.9	999.9	73.6	99.
57.1	123.3	14903.6	125.0	-65.5	99.9	281.6	33.8*	33.1	-6.8	376.4	999.9	99.9	999.9	85.9	99.
62.5	131.3	16265.8	100.0	-64.7	99.9	277.3	21.2*	21.0	-2.7	402.7	999.9	99.9	999.9	93.1	99.
69.4	138.3	18009.9	75.0	-64.7	99.9	275.4	12.0*	11.9	-1.1	437.3	999.9	99.9	999.9	99.6	99.
78.1	147.7	20518.8	50.0	-62.4	99.9	254.7	12.2	11.8	3.2	496.6	999.9	99.9	999.9	103.5	95.
92.2	157.5	24953.2	25.0	-49.7	99.9	185.8	7.7	0.8	7.7	642.0	999.9	99.9	999.9	105.9	99.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

2 MAY 1978
1100 GMT

151 18. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.2	5.0	1005.9	22.2	21.0	70.0	5.1	-4.8	-1.7	294.9	335.6	15.8	93.0	0.0	0.
0.3	6.7	56.4	1000.0	22.0	20.7	68.7	8.4	-7.8	-3.0	295.1	335.4	15.6	92.5	0.1	282.
1.1	8.8	277.1	975.0	21.3	20.0	80.9	9.0	-8.9	-1.4	296.6	336.4	15.3	92.5	0.6	249.
2.0	11.0	502.6	950.0	19.9	18.6	98.1	8.0	-7.9	1.1	297.3	335.1	14.4	92.7	0.9	259.
2.9	13.2	732.9	925.0	18.7	17.4	105.0	9.3	-8.0	2.1	298.4	334.5	13.7	92.4	1.4	266.
3.7	15.4	968.4	900.0	17.1	15.8	109.0	8.5	-8.0	2.8	299.1	332.8	12.7	92.3	1.8	271.
4.7	17.6	1208.3	875.0	14.7	10.3	118.6	8.4	-7.4	4.0	299.0	323.4	9.0	75.1	2.2	276.
5.6	19.9	1454.6	850.0	15.7	11.3	146.6	7.9	-4.4	6.6	302.6	329.7	9.9	75.0	2.6	281.
6.5	22.2	1708.6	825.0	14.5	12.0	165.7	7.8	-1.9	7.5	304.0	333.5	10.8	85.0	2.8	288.
7.6	24.5	1968.7	800.0	12.5	10.0	167.0	8.8	-2.0	8.6	304.5	331.2	9.7	84.9	3.1	297.
8.7	26.9	2235.1	775.0	12.4	2.0	173.2	10.4	-1.2	10.3	307.2	323.6	5.8	49.4	3.6	305.
9.7	29.4	2510.4	750.0	13.7	-41.5	191.3	9.9	1.9	9.7	311.4	311.9	0.1	1.0	3.9	312.
10.7	31.9	2795.0	725.0	12.8	-42.1	204.1	10.5	4.3	9.6	313.5	314.0	0.1	1.0	4.2	320.
11.9	34.2	3087.4	700.0	10.1	-43.7	208.6	11.8	5.6	10.4	313.7	314.1	0.1	1.0	4.6	329.
13.0	36.8	3387.6	675.0	7.3	-27.8	213.8	12.9	7.2	10.7	313.9	316.2	0.7	7.6	5.0	337.
14.1	39.3	3696.4	650.0	4.3	-6.9	220.5	14.4	9.3	11.0	313.8	324.5	3.5	44.0	5.5	346.
15.3	42.0	4014.1	625.0	1.8	-14.1	228.8	14.8	11.1	9.8	314.6	321.0	2.0	29.4	6.2	354.
16.6	44.8	4341.6	600.0	-0.9	-50.5	236.9	15.0	12.6	8.2	315.1	315.3	0.1	1.0	6.8	2.
17.8	47.6	4679.9	575.0	-3.0	-40.1	250.4	14.0	13.2	4.7	316.5	317.5	0.3	5.8	7.4	9.
19.1	50.3	5030.1	550.0	-5.5	-30.4	263.0	14.2	14.1	1.7	317.5	319.4	0.5	12.0	7.8	17.
20.3	53.3	5392.7	525.0	-8.7	-54.8	263.6	16.3	16.2	1.8	317.9	318.1	0.0	1.1	8.3	24.
21.7	56.3	5768.2	500.0	-11.7	-55.1	261.4	17.8	17.6	2.7	318.8	319.0	0.0	1.3	9.1	32.
23.1	59.4	6158.7	475.0	-15.1	-36.6	264.4	17.8	17.7	1.7	319.3	320.6	0.4	14.4	10.2	38.
24.5	62.6	6564.6	450.0	-18.5	-61.7	269.9	17.8	17.8	0.0	320.0	320.1	0.0	1.0	11.2	44.
26.1	65.9	6987.8	425.0	-22.2	-64.0	270.3	18.1	18.1	-0.1	320.6	320.7	0.0	1.0	12.4	50.
27.7	69.3	7430.5	400.0	-26.7	-36.5	274.6	19.4	19.3	-1.6	321.6	323.1	0.4	35.4	13.8	55.
29.6	72.9	7895.8	375.0	-20.1	-57.0	269.0	21.2	21.2	0.4	324.4	324.6	0.0	4.4	15.7	60.
31.5	76.5	8387.5	350.0	-31.6	-68.9	265.5	22.4	22.3	1.7	326.2	326.2	0.0	1.2	18.0	64.
33.6	80.3	8907.9	325.0	-34.9	-72.4	264.1	24.3	24.1	2.5	328.6	328.6	0.0	1.0	20.6	66.
35.6	84.3	9461.0	300.0	-39.4	-75.4	266.2	27.0	27.0	1.8	329.9	329.9	0.0	1.0	23.4	69.
37.8	88.5	10050.8	275.0	-44.2	99.9	270.0	30.3	30.3	0.0	331.3	999.9	99.9	999.9	27.1	71.
40.1	93.0	10683.8	250.0	-47.7	99.9	273.6	39.6	39.5	-2.5	335.1	999.9	99.9	999.9	31.6	74.
42.6	97.8	11372.7	225.0	-52.5	99.9	279.1	43.6	43.1	-6.9	338.0	999.9	99.9	999.9	37.6	78.
45.2	103.0	12123.1	200.0	-58.7	99.9	274.3	48.5	48.4	-3.7	339.9	999.9	99.9	999.9	44.5	81.
48.2	108.4	12951.3	175.0	-64.4	99.9	268.4	48.5	48.4	1.3	343.7	999.9	99.9	999.9	53.2	83.
51.6	114.5	13882.0	150.0	67.6	99.9	262.6	51.7	51.3	6.6	353.6	999.9	99.9	999.9	63.2	83.
55.3	121.0	14971.4	125.0	-70.9	99.9	270.7	45.8	45.8	-0.5	366.7	999.9	99.9	999.9	74.7	83.
60.0	128.3	16322.5	100.0	-66.0	99.9	274.1	16.3	16.3	-1.2	400.2	999.9	99.9	999.9	82.9	84.
65.8	136.3	18063.7	75.0	-64.5	99.9	250.1	11.7	11.0	4.0	437.7	999.9	99.9	999.9	87.6	85.
73.0	144.7	20549.6	50.0	-58.7	99.9	300.6	7.0	6.0	-3.6	505.2	999.9	99.9	999.9	90.3	84.
84.9	153.5	25000.2	25.0	-48.6	99.9	96.3	3.4	-3.4	0.4	645.1	999.9	99.9	999.9	91.5	85.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

2 MAY 1978
1100 GMT

163 15. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	124.0	996.4	12.8	7.5	20.0	6.1	-2.1	-5.7	286.3	303.2	6.5	70.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
1.0	8.6	305.2	975.0	9.6	6.0	999.9	999.9	99.9	99.9	284.8	300.4	6.0	78.3	999.9	999.
1.0	10.6	520.6	950.0	8.4	6.9	999.9	999.9	99.9	99.9	285.8	302.8	6.6	89.9	999.9	999.
2.7	12.6	742.9	925.0	12.7	12.1	98.0	14.3	-14.2	2.0	292.3	317.7	9.7	96.5	1.6	249.
3.6	14.6	975.1	900.0	15.0	14.4	112.6	11.3	-10.4	4.3	296.9	327.5	11.6	96.5	2.3	261.
4.0	16.7	1214.3	875.0	14.4	13.9	133.1	5.7	-4.2	3.9	298.7	329.3	11.5	96.6	2.7	267.
5.7	18.8	1459.6	850.0	13.2	12.7	147.4	4.2	-2.3	3.5	300.0	329.5	11.0	97.0	2.9	272.
6.0	21.0	1710.9	825.0	12.1	11.3	142.4	4.5	-2.8	3.6	301.4	329.3	10.3	94.7	3.0	276.
7.0	23.3	1968.8	800.0	10.3	8.1	128.6	3.8	-3.0	2.4	302.1	325.5	8.5	86.3	3.3	279.
8.9	25.5	2232.8	775.0	8.5	6.5	149.3	1.3	-0.6	1.1	302.9	324.7	7.9	87.4	3.4	283.
10.1	27.8	2503.7	750.0	6.8	5.3	208.2	2.2	1.0	1.9	304.0	324.8	7.5	90.3	3.4	281.
11.1	30.2	2782.5	725.0	6.8	-8.9	205.3	6.1	2.6	5.5	306.9	315.0	2.7	31.8	3.3	285.
12.0	32.6	3069.5	700.0	5.5	-15.5	208.6	9.2	4.4	8.1	308.6	313.7	1.7	20.7	3.3	295.
13.5	35.1	3366.7	675.0	3.7	-11.9	219.0	10.0	6.3	7.8	309.8	316.8	2.3	30.9	3.3	309.
14.8	37.7	3671.5	650.0	1.7	-24.6	231.8	9.9	7.8	6.2	310.9	314.3	1.1	16.1	3.3	321.
16.0	40.3	3986.2	625.0	-0.4	-32.4	240.7	11.9	10.4	5.8	312.0	313.4	0.4	6.7	3.3	336.
17.4	43.0	4311.0	600.0	-2.8	-32.0	244.5	13.7	12.4	5.9	312.9	314.4	0.4	8.3	3.5	353.
18.0	45.8	4646.6	575.0	-5.6	-18.2	247.7	13.4	12.4	5.1	313.5	318.5	1.6	36.3	4.0	10.
20.0	48.7	4993.1	550.0	-8.7	-17.5	249.0	12.8	11.9	4.6	313.7	319.3	1.8	49.6	4.6	20.
21.0	51.7	5351.8	525.0	-11.8	-21.0	254.8	11.8	11.4	3.1	314.3	318.7	1.4	45.9	5.2	29.
22.0	54.8	5722.9	500.0	-15.2	-20.8	256.6	13.6	13.2	3.1	314.5	319.1	1.5	62.2	5.9	36.
24.2	58.0	6109.4	475.0	-18.4	-25.1	258.2	19.3	18.9	3.9	317.7	321.1	1.0	46.9	7.0	43.
25.6	61.3	6514.3	450.0	-19.2	-27.3	255.9	23.6	22.9	5.7	319.2	322.2	0.9	48.2	8.6	50.
27.2	64.7	6937.1	425.0	-22.3	-29.4	257.0	24.9	24.3	5.6	320.4	323.1	0.8	51.9	10.8	55.
28.6	68.3	7380.1	400.0	-25.6	-34.8	261.8	24.5	24.2	3.5	321.8	323.5	0.5	41.4	13.1	60.
30.7	72.1	7844.8	375.0	-29.3	-41.5	265.7	24.0	23.9	1.8	322.9	323.8	0.3	29.4	15.5	64.
32.4	76.0	8333.9	350.0	-33.1	-40.1	268.5	24.0	24.0	0.6	324.1	325.3	0.3	48.9	17.9	67.
34.2	80.3	8850.9	325.0	-36.8	-59.3	268.7	25.5	25.5	0.6	326.0	326.4	0.1	23.5	20.3	70.
36.1	84.7	9400.2	300.0	-41.2	99.9	272.0	28.3	28.3	-1.0	327.4	999.9	99.9	999.9	23.2	72.
38.0	89.4	9985.0	275.0	-46.3	99.9	267.2	27.9	27.9	1.4	328.1	999.9	99.9	999.9	26.2	75.
39.9	94.3	10611.8	250.0	-51.1	99.9	267.2	31.6	31.6	1.5	330.1	999.9	99.9	999.9	29.6	76.
42.1	99.6	11285.9	225.0	-55.4	99.9	270.7	39.3	39.3	-0.5	333.6	999.9	99.9	999.9	34.2	78.
44.5	105.5	12032.2	200.0	-60.7	99.9	277.0	40.3	40.0	-4.9	336.7	999.9	99.9	999.9	39.7	80.
46.7	111.5	12855.4	175.0	-64.0	99.9	273.5	39.3	39.2	-2.4	344.3	999.9	99.9	999.9	45.0	82.
49.1	118.3	13788.3	150.0	-69.5	99.9	262.4	39.7	39.4	5.3	350.5	999.9	99.9	999.9	50.3	83.
51.9	126.0	14881.8	125.0	-65.9	99.9	271.3	33.0	32.9	-0.7	375.7	999.9	99.9	999.9	57.0	83.
55.6	134.3	16244.0	100.0	-64.0	99.9	276.5	18.3	18.2	-2.1	404.2	999.9	99.9	999.9	62.5	84.
60.5	143.7	18006.0	75.0	-65.1	99.9	270.1	6.1	6.1	-0.0	436.5	999.9	99.9	999.9	65.4	84.
67.5	153.7	20511.2	50.0	-60.8	99.9	289.8	7.4	6.9	-2.5	500.4	999.9	99.9	999.9	68.1	84.
79.4	164.0	24949.3	25.0	-48.7	99.9	339.7	2.0	0.7	-1.8	644.5	999.9	99.9	999.9	69.2	86.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

2 MAY 1978
1100 GMT

160 11. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.9	33.0	998.0	22.8	21.1	70.0	4.2	-3.9	-1.4	296.1	337.5	16.8	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	7.9	241.8	975.0	21.3	20.8	999.9	999.9	99.9	99.9	296.6	337.9	15.9	95.9	999.9	999.
1.6	10.3	467.7	950.0	20.6	18.8	999.9	999.9	99.9	99.9	298.1	336.4	14.6	89.5	999.9	999.
2.4	12.5	698.3	925.0	18.7	16.7	129.6	8.4	-6.5	5.4	298.4	333.1	13.1	88.3	1.0	299.
3.3	14.8	933.6	900.0	16.9	15.8	135.1	8.4	-5.9	6.0	299.0	332.6	12.7	92.8	1.5	297.
4.2	17.1	1173.9	875.0	16.9	16.2	142.2	9.1	-5.6	7.2	299.2	327.7	10.7	86.3	1.9	302.
5.0	19.4	1420.4	850.0	21.5	-36.8	152.1	9.4	-4.4	8.3	305.7	309.4	0.2	1.0	2.4	307.
6.0	21.7	1673.2	825.0	21.3	-36.9	155.6	7.4	-3.1	6.7	311.1	311.8	0.2	1.0	2.9	312.
7.0	24.2	1932.7	800.0	19.5	-36.4	156.8	6.9	-2.7	6.4	311.4	312.2	0.2	1.3	3.2	314.
7.9	26.8	2198.3	775.0	18.6	-23.0	167.6	7.2	-1.6	7.1	311.7	315.0	1.1	6.9	3.6	317.
9.0	29.1	2471.2	750.0	15.4	-40.5	181.2	6.6	0.1	6.6	313.3	313.8	0.1	1.0	3.9	321.
10.0	31.6	2751.5	725.0	12.8	-42.0	195.0	5.4	1.4	5.3	313.6	314.0	0.1	1.0	4.2	325.
11.0	34.2	3039.5	700.0	11.1	-43.1	231.7	4.6	3.6	2.8	314.8	315.2	0.1	1.0	4.3	328.
12.0	36.9	3371.1	675.0	8.8	-44.5	246.7	6.5	6.0	2.6	315.5	315.9	0.1	1.0	4.3	333.
13.1	39.6	3651.9	650.0	7.0	-45.6	256.7	9.4	9.2	2.2	316.9	317.3	0.1	1.0	4.2	340.
14.4	42.3	4001.1	625.0	4.0	-47.5	265.0	12.2	11.8	3.2	317.0	317.3	0.1	1.0	4.2	350.
15.5	45.1	4311.9	600.0	1.3	-46.7	269.4	14.3	13.4	5.0	317.6	317.9	0.1	1.4	4.5	3.
16.8	48.0	4671.7	575.0	-2.2	-35.1	268.9	15.2	14.0	6.0	317.4	319.2	0.5	9.6	5.0	14.
18.1	51.0	5004.4	550.0	-5.6	-23.4	265.0	16.8	15.3	7.1	317.5	320.9	1.1	23.0	5.6	23.
19.3	53.9	5334.9	527.0	-9.1	-18.3	262.1	18.5	16.3	8.7	317.5	323.0	1.7	47.1	6.8	30.
20.7	57.0	5705.3	500.0	-11.8	-32.4	253.9	17.6	14.2	10.3	318.6	319.5	0.2	7.5	8.2	35.
22.0	60.1	6113.2	475.0	-13.5	-26.5	224.4	15.8	11.0	11.3	321.3	321.4	0.0	1.0	9.6	37.
23.1	63.4	6540.3	450.0	-16.5	-69.4	225.0	13.7	9.7	9.7	322.5	322.6	0.0	1.0	10.8	38.
24.5	66.7	6967.3	425.0	-19.8	-62.4	236.5	14.7	12.3	8.1	323.9	324.0	0.0	1.0	12.0	39.
25.6	70.1	7434.2	400.0	-23.4	-64.8	242.0	16.0	14.1	7.5	324.6	324.7	0.0	1.0	13.3	41.
26.1	73.7	7926.7	375.0	-27.1	-67.3	244.0	18.4	16.6	8.1	325.7	325.8	0.0	1.0	14.8	44.
29.8	77.6	8395.9	350.0	-30.9	-69.7	247.1	20.0	18.5	7.8	327.2	327.2	0.0	1.0	16.7	46.
31.6	81.8	89.7.2	325.0	-34.9	-72.4	249.8	22.3	20.8	8.1	328.6	328.7	0.0	1.0	18.8	49.
33.4	85.4	9473.6	300.0	-39.1	-75.2	255.3	25.4	24.6	6.5	330.2	330.3	0.0	1.0	21.2	51.
35.4	89.7	10006.5	275.0	-42.6	99.9	262.2	33.3	33.0	4.5	333.5	999.9	99.9	999.9	24.2	55.
37.4	94.2	10535.8	250.0	-46.2	99.9	261.4	45.2	44.7	6.8	337.4	999.9	99.9	999.9	28.5	60.
39.5	99.0	11096.4	225.0	-50.8	99.9	260.9	55.3	54.6	8.7	340.6	999.9	99.9	999.9	34.8	64.
41.8	104.2	11696.3	200.0	-56.1	99.9	262.8	55.5	55.0	6.9	340.7	999.9	99.9	999.9	41.8	67.
44.3	109.8	12377.7	175.0	-62.2	99.9	266.3	48.3	48.2	3.2	344.6	999.9	99.9	999.9	49.3	70.
47.1	115.8	13098.9	150.0	-68.5	99.9	261.2	47.7	47.1	7.3	352.2	999.9	99.9	999.9	56.9	72.
50.3	122.5	13959.4	125.0	-76.5	99.9	264.5	38.6	38.4	3.7	367.4	999.9	99.9	999.9	65.9	73.
54.1	130.6	14965.6	100.0	-69.5	99.9	261.7	29.4	29.1	4.2	393.4	999.9	99.9	999.9	72.8	74.
56.9	136.7	15653.5	75.0	-68.4	99.9	242.5	9.5	8.5	4.4	429.7	999.9	99.9	999.9	77.5	74.
66.1	148.3	20540.8	50.0	-61.3	99.9	281.4	5.8	5.7	-1.1	499.1	999.9	99.9	999.9	79.8	74.
77.5	178.5	24671.8	25.0	-50.3	99.9	999.9	999.9	99.9	99.9	648.3	999.9	99.9	999.9	80.8	75.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

2 MAY 1978
1100 GMT

157 14. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.4	399.0	960.7	14.6	13.0	60.0	9.2	-8.0	-4.6	291.1	316.6	9.9	90.0	0.0	0.
99.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	11.4	493.8	950.0	13.3	12.7	999.9	99.9	99.9	99.9	290.7	316.0	9.8	95.6	999.9	999.
0.3	11.8	718.3	925.0	12.3	11.6	999.9	999.9	99.9	99.9	291.9	316.3	9.4	95.6	999.9	999.
1.9	12.3	944.4	900.0	12.7	11.9	999.9	999.9	99.9	99.9	294.6	320.5	9.8	94.9	1.6	244.
2.7	12.8	1177.7	875.0	13.6	12.9	104.8	12.8	-12.4	3.3	300.0	332.8	12.3	95.4	2.3	253.
3.7	21.3	1414.3	850.0	14.	14.1	116.4	12.1	-10.9	5.4	301.7	334.0	12.0	95.1	2.9	262.
4.5	13.8	1657.2	825.0	12.9	11.6	117.3	10.7	-9.5	4.9	302.2	330.8	10.5	92.2	3.4	269.
5.5	26.4	1906.5	800.0	12.8	8.5	115.7	10.5	-9.4	4.5	304.8	329.1	8.8	75.3	4.0	272.
6.5	25.0	2212.9	775.0	11.3	6.9	123.5	8.7	-7.2	4.8	306.0	328.6	8.1	74.1	4.5	276.
7.6	11.7	2426.5	750.0	9.2	5.6	129.6	7.5	-5.8	4.8	306.6	328.1	7.6	78.0	4.9	279.
8.5	14.4	2757.5	725.0	8.1	-1.1	145.8	7.6	-4.2	6.2	308.4	322.6	4.9	52.1	5.3	281.
9.5	17.1	3055.7	700.0	7.9	-28.4	177.7	7.1	-0.3	7.1	311.2	313.0	0.5	5.5	5.5	285.
10.7	19.9	3355.8	675.0	6.7	-45.8	188.3	6.3	0.9	6.2	313.2	313.5	0.1	1.0	5.6	290.
11.9	42.8	3657.8	650.0	4.0	-47.4	199.7	6.3	2.1	5.9	313.6	313.8	0.1	1.0	5.6	294.
13.2	45.6	3959.7	625.0	1.1	-49.3	212.9	6.7	3.6	5.6	313.7	314.0	0.1	1.0	5.7	300.
14.4	46.6	4260.6	600.0	-2.0	-42.1	224.5	7.7	5.4	5.5	313.8	314.5	0.2	3.8	5.6	305.
15.7	51.6	4563.2	575.0	-4.9	-26.7	231.0	9.5	7.4	6.0	314.3	316.8	0.8	16.4	5.5	311.
16.1	54.6	4869.7	550.0	-8.2	-23.0	236.8	11.1	9.3	6.1	314.4	317.9	1.1	29.0	5.4	319.
18.1	57.8	5180.3	525.0	-10.6	-29.7	245.1	13.7	12.4	5.8	315.7	317.9	0.6	19.6	5.3	330.
19.1	60.9	5493.7	500.0	-13.3	-34.0	247.1	17.5	16.1	6.8	316.9	318.3	0.4	15.5	5.3	346.
21.2	64.3	6111.9	475.0	-16.3	-30.5	244.0	19.1	17.2	8.4	317.8	319.9	0.6	28.2	5.8	3.
22.4	67.7	6540.7	450.0	-14.7	-33.1	235.7	20.4	16.8	11.5	319.7	321.6	0.5	27.4	6.9	15.
24.1	71.1	6963.7	425.0	-21.4	-32.4	233.6	21.9	17.0	13.9	321.5	323.5	0.6	36.2	8.7	23.
26.2	74.9	7386.9	400.0	-24.9	-37.3	231.7	22.0	17.7	13.0	322.6	324.0	0.4	30.3	10.8	29.
27.5	78.6	7851.0	375.0	-28.4	-39.3	237.7	23.9	20.2	12.8	324.0	325.2	0.3	34.2	12.9	34.
29.5	82.5	8361.6	350.0	-32.6	-37.6	237.0	25.8	21.7	14.1	324.8	326.3	0.4	60.7	15.2	38.
31.2	86.5	8819.0	325.0	-36.8	-40.1	238.6	28.2	24.1	14.7	326.0	327.3	0.4	70.9	17.7	43.
33.1	90.8	9458.8	300.0	-40.4	99.9	244.6	29.5	26.6	12.6	328.4	999.9	99.9	999.9	20.7	46.
35.1	95.2	9999.8	275.0	-49.3	99.9	244.9	32.7	29.8	13.9	329.8	999.9	99.9	999.9	24.4	47.
37.6	99.8	10674.8	250.0	-50.4	99.9	244.0	34.9	31.4	15.3	331.1	999.9	99.9	999.9	29.1	50.
40.0	104.8	11311.5	225.0	-56.2	99.9	246.5	42.5	39.0	16.9	332.3	999.9	99.9	999.9	35.5	53.
44.1	110.2	12044.5	200.0	-60.3	99.9	255.2	50.5	48.8	12.9	337.3	999.9	99.9	999.9	45.4	57.
47.8	115.8	12864.7	175.0	-65.0	99.9	261.3	52.1	51.5	7.9	342.8	999.9	99.9	999.9	56.5	61.
51.9	121.8	13804.3	150.0	-66.1	99.9	251.1	47.4	44.8	15.4	356.2	999.9	99.9	999.9	68.1	64.
57.3	128.5	14922.1	125.0	-60.3	99.9	268.5	30.2*	30.2	0.8	385.9	999.9	99.9	999.9	81.4	66.
62.2	135.8	16294.7	100.0	-63.9	99.9	270.6	16.4**	16.4	-0.2	404.4	999.9	99.9	999.9	85.9	67.
69.6	144.0	18053.6	75.0	-65.6	99.9	261.7	9.1	9.0	1.3	435.4	999.9	99.9	999.9	92.1	69.
79.2	152.7	20567.4	50.0	-61.5	99.9	287.5	6.3	6.0	-1.9	498.6	999.9	99.9	999.9	95.6	68.
94.4	162.0	24987.3	25.0	-50.2	99.9	276.7	5.7	5.7	-0.7	640.4	999.9	99.9	999.9	96.5	70.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

2 MAY 1978
1100 GMT

167 14. 8

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.1	314.0	965.1	22.8	18.8	120.0	6.2	-5.4	3.1	299.0	336.7	14.3	78.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.4	451.5	950.0	21.1	18.3	999.9	999.9	99.9	99.9	298.6	335.8	14.1	84.3	999.9	999.
1.1	12.6	682.5	925.0	19.0	17.3	999.9	999.9	99.9	99.9	298.8	334.8	13.6	89.5	999.9	999.
2.0	14.8	918.0	900.0	17.3	15.8	999.9	999.9	99.9	99.9	299.3	332.9	12.7	91.1	1.6	305.
2.9	17.1	1158.6	875.0	15.5	14.2	136.1	15.3	-10.6	11.0	299.9	331.3	11.8	92.0	2.4	306.
3.8	19.4	1405.6	850.0	15.9	14.4	150.7	16.0	-7.8	13.9	302.8	336.0	12.3	91.1	3.1	311.
4.7	21.7	1660.4	825.0	16.6	12.1	159.0	17.8	-6.4	16.7	306.1	336.1	10.9	75.4	4.0	317.
5.6	24.1	1923.0	800.0	15.7	10.5	166.9	19.1	-4.3	18.6	307.9	335.8	10.0	71.1	5.0	322.
6.5	26.5	2192.2	775.0	14.2	-8.2	168.4	19.7	-4.0	19.3	309.1	319.5	3.6	27.2	5.9	327.
7.4	29.0	2467.8	750.0	13.3	-34.2	170.6	17.9	-2.9	17.6	311.1	312.0	0.3	2.2	6.8	330.
8.4	31.5	2751.7	725.0	11.5	-15.2	173.7	17.1	-1.9	17.0	312.1	317.2	1.6	13.8	7.8	333.
9.4	34.1	3043.1	700.0	8.7	-13.3	179.4	17.8	-0.2	17.8	312.2	318.3	2.0	19.5	8.8	335.
10.3	36.7	3342.5	675.0	6.5	-23.0	188.3	18.6	2.7	18.4	313.0	315.9	0.9	9.9	9.7	338.
11.3	39.3	3650.5	650.0	4.0	-30.7	203.5	17.0	6.8	15.6	313.5	315.0	0.5	5.8	10.5	342.
12.5	42.0	3967.4	625.0	1.6	-34.6	217.5	16.3	9.9	12.9	314.3	315.4	0.3	4.7	11.3	346.
13.7	44.8	4294.6	600.0	-1.2	-31.7	220.0	17.8	11.4	13.6	314.7	316.3	0.4	7.8	12.1	351.
14.8	47.6	4632.2	575.0	-3.9	-26.7	220.1	19.1	12.3	14.6	315.4	317.9	0.7	14.9	12.9	355.
16.0	50.5	4981.0	550.0	-6.9	-24.3	220.8	20.1	13.1	15.2	315.9	319.1	1.0	23.4	13.9	359.
17.3	53.4	5342.0	525.0	-10.1	-18.8	219.4	21.8	13.9	16.9	316.3	321.6	1.6	48.6	15.2	3.
18.6	56.5	5717.2	500.0	-11.9	-57.5	222.3	21.0	14.1	15.5	318.5	318.6	0.0	1.0	16.6	7.
19.9	59.6	6107.3	475.0	-14.9	-59.4	221.8	21.0	14.0	15.7	319.5	319.6	0.0	1.0	17.9	10.
21.3	62.9	6514.4	450.0	-17.2	-60.8	219.6	22.9	14.6	17.6	321.7	321.7	0.0	1.0	19.5	13.
22.7	66.3	6940.1	425.0	-20.8	-51.5	225.1	22.1	15.6	15.6	322.4	322.7	0.1	4.7	21.2	15.
24.3	69.7	7385.2	400.0	-24.1	-46.8	227.7	25.4	18.8	17.1	323.6	324.1	0.1	10.2	23.0	16.
25.8	73.3	7852.9	375.0	-27.3	-49.2	229.9	28.7	22.0	18.5	325.4	325.9	0.1	10.4	25.3	21.
27.6	77.0	8345.7	350.0	-30.4	-62.3	234.7	31.4	25.7	18.2	327.8	327.9	0.0	2.7	27.9	24.
29.4	81.0	8868.6	325.0	-34.2	-65.7	236.7	34.2	28.6	18.8	329.6	329.6	0.0	2.5	31.0	28.
31.3	85.0	9423.7	300.0	-38.5	-67.5	239.0	36.9	31.6	19.0	331.1	331.2	0.0	2.9	34.1	30.
33.1	89.3	10017.4	275.0	-42.5	99.9	244.6	39.9	36.1	17.1	333.6	999.9	99.9	999.9	38.1	34.
35.0	94.0	10654.2	250.0	-47.3	99.9	250.9	45.5	43.0	14.9	335.8	999.9	99.9	999.9	42.5	38.
37.4	98.8	11343.1	225.0	-52.8	99.9	258.0	44.7	43.7	9.3	337.6	999.9	99.9	999.9	47.7	43.
39.9	104.0	12092.6	200.0	-58.1	99.9	266.6	44.4	44.4	2.6	340.8	999.9	99.9	999.9	53.2	47.
42.5	109.5	12929.8	175.0	-60.8	99.9	265.6	37.8	37.7	2.9	349.6	999.9	99.9	999.9	58.2	51.
45.5	115.8	13872.7	150.0	-68.0	99.9	253.9	37.9	36.5	10.5	353.0	999.9	99.9	999.9	64.0	54.
48.5	122.8	14967.2	125.0	-70.4	99.9	254.9	44.7	43.1	11.6	367.4	999.9	99.9	999.9	71.4	56.
52.2	130.7	16298.2	100.0	-68.3	99.9	261.7	25.8	25.6	3.7	395.8	999.9	99.9	999.9	78.2	58.
57.2	139.7	18051.5	75.0	-66.0	99.9	198.1	10.5	3.3	9.9	434.6	999.9	99.9	999.9	83.4	59.
64.6	150.0	20540.4	50.0	-61.3	99.9	196.1	6.3	1.7	6.0	499.2	999.9	99.9	999.9	83.5	59.
76.2	160.5	24560.0	25.0	-52.6	99.9	296.7	5.2	4.6	-2.3	633.8	999.9	99.9	999.9	84.9	61.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
• BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
•• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

2 MAY 1978
1110 GMT

154 10. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.7	873.0	903.0	13.9	12.3	60.0	17.3	-15.0	-8.6	295.5	321.9	10.0	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	16.1	903.6	900.0	13.3	12.0	82.6	18.1	-18.0	-2.3	295.2	321.2	9.9	92.0	0.5	257.
1.1	15.4	1145.7	875.0	11.7	11.0	83.0	20.2	-20.0	-2.5	295.9	321.1	9.5	95.4	1.2	260.
2.1	25.7	1389.6	850.0	11.8	11.1	87.2	20.7	-20.5	2.6	298.6	325.0	9.9	95.3	2.4	263.
3.0	25.1	1639.6	825.0	11.7	10.9	119.6	20.4	-17.7	10.1	300.9	328.1	10.0	95.2	3.3	269.
3.7	25.5	1895.1	800.0	11.5	10.9	136.0	21.0	-14.6	15.1	303.5	331.6	10.3	95.7	4.1	279.
4.1	25.0	2163.7	775.0	10.3	9.7	143.8	22.9	-13.5	18.5	304.9	332.0	9.8	95.7	4.6	284.
5.1	25.5	2437.0	750.0	8.8	8.1	151.9	29.9	-14.1	26.4	306.1	331.5	9.1	95.5	5.6	293.
5.5	25.0	2717.6	725.0	7.1	6.4	158.3	31.4	-11.6	29.2	307.3	330.7	8.4	95.2	7.1	303.
6.6	25.6	3006.4	700.0	5.3	4.6	169.1	27.2	-5.2	26.7	308.4	330.1	7.7	95.4	7.9	308.
7.5	26.2	3302.5	675.0	2.4	-2.9	177.6	27.8	-1.2	27.7	308.3	321.6	4.6	67.8	9.0	315.
8.5	25.9	3607.8	650.0	1.8	-5.0	187.4	26.9	3.5	26.7	311.9	323.0	4.1	60.8	10.2	322.
9.5	25.7	3921.0	625.0	0.0	-13.1	192.2	26.8	5.7	26.2	312.5	319.4	2.2	36.4	11.5	329.
11.1	25.6	4243.4	600.0	-2.4	-16.8	191.9	30.9	6.4	30.2	313.3	317.9	1.4	27.1	13.3	336.
12.1	25.4	4584.8	575.0	-5.0	-18.7	193.7	31.1	7.4	30.2	314.2	319.0	1.5	33.1	15.3	341.
13.7	25.4	4937.4	550.0	-8.1	-22.2	195.6	34.4	8.3	33.8	314.5	318.3	1.2	31.1	17.7	346.
15.5	25.4	5291.8	525.0	-10.9	-18.1	190.4	37.1	6.7	36.5	315.3	320.9	1.8	55.7	20.3	349.
16.2	25.5	5660.2	500.0	-13.7	-19.6	195.9	37.5	10.2	36.0	316.3	321.5	1.4	61.3	22.7	354.
17.1	21.6	6053.4	475.0	-16.3	-23.3	200.2	39.4	13.6	37.0	317.8	321.8	1.2	54.5	25.4	355.
18.7	24.9	6454.6	450.0	-18.4	-25.4	207.2	38.9	17.8	34.6	320.1	323.6	1.1	54.3	28.1	358.
20.2	24.3	6882.9	425.0	-21.2	-45.6	215.2	37.9	21.9	31.0	321.9	322.4	0.1	9.9	30.8	1.
21.5	21.7	7327.2	400.0	-24.2	-41.5	225.6	39.2	26.0	27.5	323.6	324.5	0.3	19.0	33.3	4.
23.2	25.4	7794.4	375.0	-27.4	-40.5	232.8	40.2	32.0	24.3	325.4	326.5	0.3	27.2	36.2	9.
25.0	25.2	8287.5	350.0	-31.4	-39.3	233.7	39.9	32.1	23.6	326.4	327.7	0.4	45.0	39.2	13.
26.7	25.2	8807.5	325.0	-35.9	-39.8	236.5	40.6	32.8	22.4	327.2	328.5	0.4	67.1	42.4	17.
28.1	27.2	9360.3	300.0	-39.0	-43.9	242.8	42.9	38.1	19.6	330.5	331.4	0.3	59.0	45.0	20.
29.0	31.7	9952.1	275.0	-42.9	99.9	246.4	45.3	41.5	18.1	333.1	999.9	99.9	999.9	48.2	24.
31.0	99.3	10588.0	250.0	-47.8	99.9	248.2	46.0	44.6	17.8	335.0	999.9	99.9	999.9	52.2	28.
33.5	101.2	11274.3	225.0	-53.7	99.9	247.6	50.8*	46.9	19.4	336.2	999.9	99.9	999.9	57.4	32.
35.8	100.5	12020.7	200.0	-60.1	99.9	246.0	49.8*	45.5	20.2	337.5	999.9	99.9	999.9	61.7	35.
38.1	112.3	12844.4	175.0	-64.3	99.9	244.5	47.1*	42.5	20.2	343.9	999.9	99.9	999.9	68.5	38.
40.9	116.5	13791.4	150.0	-63.6	99.9	235.4	29.9*	24.6	16.9	360.6	999.9	99.9	999.9	74.0	40.
43.4	121.5	14856.9	125.0	-67.2	99.9	231.7	26.6*	20.8	16.5	373.3	999.9	99.9	999.9	78.2	40.
47.4	133.3	16086.2	100.0	-61.6	99.9	261.2	22.6*	22.3	3.5	408.8	999.9	99.9	999.9	83.7	42.
52.1	142.3	17631.3	75.0	-64.6	99.9	219.2	9.1	5.8	7.1	437.4	999.9	99.9	999.9	86.1	44.
59.4	152.0	20539.3	50.0	-63.2	99.9	293.6	4.2	3.9	-1.7	494.6	999.9	99.9	999.9	86.7	44.
73.1	162.0	24967.7	25.0	-52.8	99.9	282.7	6.8	6.7	-1.5	632.8	999.9	99.9	999.9	87.4	46.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

2 MAY 1978
1114 GMT

165 13. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.3	160.0	994.9	5.1	-1.1	10.0	2.6	-0.5	-2.6	278.7	287.9	3.5	64.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	6.3	345.0	975.0	5.5	-2.5	59.4	9.4	-8.1	-4.8	280.7	289.3	3.3	56.2	0.3	214.
1.4	11.8	557.5	950.0	5.7	-4.0	63.6	13.6	-12.2	-6.0	283.0	291.0	3.0	49.6	0.8	233.
2.2	14.3	775.2	925.0	4.3	-5.3	58.1	12.6	-10.7	-6.6	283.7	291.2	2.8	49.5	1.5	238.
3.0	16.8	997.8	900.0	3.2	-6.7	45.9	9.8	-7.0	-6.8	284.8	291.9	2.6	48.2	2.0	236.
3.9	19.4	1225.8	875.0	2.6	-8.0	23.5	8.7	-3.4	-7.9	286.5	293.1	2.4	45.3	2.4	233.
4.7	22.0	1460.3	850.0	2.8	-12.4	15.4	9.2	-2.5	-8.9	289.1	294.0	1.7	31.6	2.8	227.
5.6	24.7	1701.7	825.0	2.3	-14.8	13.5	9.3	-2.2	-9.0	291.1	295.3	1.5	26.8	3.2	222.
6.6	27.3	1949.9	800.0	1.1	-17.1	10.3	10.5	-1.9	-10.3	292.3	296.0	1.2	24.1	3.7	218.
7.4	29.9	2204.5	775.0	0.2	-18.7	345.8	11.5	2.8	-11.2	294.0	297.4	1.1	22.5	4.1	214.
8.2	32.6	2467.6	750.0	0.3	-19.8	321.8	12.0	7.4	-9.4	296.9	300.1	1.1	20.4	4.5	207.
9.2	35.4	2738.6	725.0	-0.9	-20.8	308.0	12.9	10.2	-8.0	298.5	301.6	1.0	20.2	4.7	199.
10.2	38.3	3018.7	700.0	-0.4	-20.8	308.7	15.7	12.3	-9.8	302.1	305.3	1.0	19.5	5.0	189.
11.2	41.1	3309.1	675.0	-1.2	-21.5	312.3	17.6	13.1	-11.9	304.4	307.5	1.0	19.4	5.6	180.
12.3	44.1	3609.2	650.0	-2.5	-22.3	306.6	20.1	16.1	-11.9	306.2	309.3	1.0	20.1	6.5	172.
13.4	47.1	3919.0	625.0	-5.0	-24.0	303.4	21.6	18.0	-11.9	306.8	309.6	0.9	20.7	7.5	164.
14.5	50.1	4238.1	600.0	-7.6	-26.2	301.7	23.1	19.6	-12.1	307.3	309.7	0.7	20.8	8.7	158.
15.6	53.3	4567.8	575.0	-9.9	-27.6	299.3	23.2	20.2	-11.3	308.4	310.6	0.7	22.0	10.0	152.
16.9	56.5	4909.1	550.0	-12.4	-28.7	296.8	23.0	20.6	-10.4	309.3	311.5	0.6	24.2	11.5	147.
18.3	59.9	5263.0	525.0	-14.5	-29.7	293.7	24.3	22.2	-9.8	311.0	313.1	0.6	25.9	13.2	143.
19.6	63.1	5630.7	500.0	-17.1	-31.6	291.8	26.5	24.6	-9.8	312.2	314.0	0.5	27.1	14.9	139.
21.0	66.6	6013.8	475.0	-19.2	-34.2	291.0	28.5	26.6	-10.2	314.2	315.7	0.4	25.1	16.9	135.
22.5	70.1	6413.5	450.0	-22.5	-34.3	289.4	28.7	27.0	-9.5	314.9	316.5	0.5	33.1	19.2	132.
23.9	73.8	6830.5	425.0	-25.9	-36.4	288.3	29.1	27.6	-9.1	315.8	317.1	0.4	36.3	21.6	129.
25.5	77.6	7266.3	400.0	-29.6	-35.1	291.5	29.7	27.6	-10.9	316.6	318.2	0.5	58.9	24.2	127.
27.1	81.5	7723.5	375.0	-32.9	-37.4	293.5	32.2	29.5	-12.9	318.1	319.5	0.4	63.3	27.1	126.
28.8	85.5	8205.4	350.0	-36.7	-42.8	292.1	31.1	28.9	-11.7	319.3	320.2	0.2	52.2	30.3	124.
30.6	89.7	8714.1	325.0	-40.7	99.9	294.7	35.0	31.8	-14.6	320.7	999.9	99.9	999.9	34.0	123.
32.6	94.0	9254.0	300.0	-45.0	99.9	296.4	44.9	40.2	-19.9	322.0	999.9	99.9	999.9	38.3	122.
35.0	98.7	9831.5	275.0	-48.8	99.9	296.3	51.4	46.0	-22.8	324.6	999.9	99.9	999.9	45.4	121.
37.5	103.5	10451.0	250.0	-53.6	99.9	294.7	51.6	47.8	-22.0	326.4	999.9	99.9	999.9	53.1	121.
40.1	108.6	11121.8	225.0	-58.2	99.9	292.1	55.5*	51.4	-20.9	329.3	999.9	99.9	999.9	61.6	119.
42.9	114.0	11857.9	200.0	-61.1	99.9	291.0	47.2*	44.1	-17.0	336.1	999.9	99.9	999.9	70.2	119.
46.3	119.8	12667.8	175.0	-61.6	99.9	290.6	45.2*	42.3	-15.9	348.3	999.9	99.9	999.9	79.8	118.
50.0	126.0	13644.3	150.0	-58.2	99.9	284.1	27.5*	26.7	-6.7	368.5	999.9	99.9	999.9	86.9	117.
54.1	133.0	14785.0	125.0	-60.4	99.9	285.5	26.6*	25.6	-7.1	385.7	999.9	99.9	999.9	93.9	116.
58.5	140.3	16172.5	100.0	-60.8	99.9	282.9	19.9*	19.4	-4.4	410.2	999.9	99.9	999.9	100.9	115.
66.3	148.7	17966.5	75.0	-61.0	99.9	290.7	13.2*	12.3	-4.7	445.0	999.9	99.9	999.9	107.6	114.
75.3	157.7	20456.4	50.0	-57.8	99.9	286.3	6.5*	6.3	-1.8	507.5	999.9	99.9	999.9	112.3	114.
88.8	166.7	24958.7	25.0	-49.9	99.9	999.9	999.9	99.9	99.9	641.8	999.9	99.9	999.9	114.4	113.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

2 MAY 1978
1100 GMT

147 46. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	172.0	995.1	6.6	-1.5	30.0	6.2	-3.1	-5.4	280.2	289.2	3.4	56.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.6	339.3	975.0	5.8	-2.2	999.9	999.9	99.9	99.9	281.0	289.7	3.3	56.3	999.9	999.
1.6	11.0	552.2	950.0	7.3	-3.8	999.9	999.9	99.9	99.9	284.6	292.8	3.0	45.1	999.9	999.
2.4	12.4	771.2	925.0	6.0	-4.2	64.7	18.8	-17.0	-8.0	285.5	293.7	3.0	47.9	2.0	241.
3.3	15.8	995.2	900.0	5.1	-4.3	58.8	10.6	-9.0	-5.5	286.8	295.2	3.1	50.7	2.6	242.
4.2	18.3	1226.0	875.0	7.9	-21.3	50.3	7.3	-5.6	-4.6	292.0	294.5	0.8	10.5	3.1	241.
5.1	20.7	1465.8	850.0	9.5	-7.1	16.7	3.6	-1.0	-3.5	296.1	303.9	2.7	31.1	3.4	239.
6.1	23.2	1713.1	825.0	8.7	0.1	319.5	4.7	3.0	-3.5	297.8	310.8	4.7	54.5	3.5	237.
6.9	25.8	1968.3	800.0	9.0	-1.0	313.6	5.7	4.1	-3.9	300.8	313.3	4.4	49.4	3.4	231.
7.9	28.4	2233.6	775.0	9.9	-1.8	313.4	5.0	3.7	-3.5	301.3	313.6	4.3	53.9	3.4	225.
8.9	31.1	2509.3	750.0	9.8	-1.4	304.1	5.8	4.8	-3.2	301.8	314.9	4.6	64.4	3.3	221.
10.0	33.8	2794.1	725.0	8.0	-11.0	293.4	8.4	7.7	-3.4	302.8	309.6	2.3	35.5	3.3	214.
11.1	36.6	3089.4	700.0	8.7	-11.8	287.9	11.4	10.8	-3.5	306.6	313.2	2.2	31.0	3.2	202.
12.4	39.3	3393.6	675.0	4.7	-15.1	281.6	13.8	13.5	-2.8	307.6	312.9	1.7	27.3	3.2	187.
13.3	42.1	3706.4	650.0	-0.8	-16.6	271.9	15.5	15.5	-0.5	308.1	313.0	1.6	28.9	3.3	171.
14.6	45.0	3999.3	625.0	-2.0	-17.3	268.1	15.9	15.9	0.5	309.1	313.9	1.6	31.9	3.7	151.
15.7	48.0	4299.8	600.0	-3.9	-17.2	271.8	15.4	15.4	-0.5	309.3	314.5	1.7	40.3	4.3	139.
17.0	51.0	4609.0	575.0	-7.8	-16.0	278.4	15.0	14.8	-2.2	310.9	316.8	1.9	51.6	5.2	129.
18.4	54.0	4926.6	550.0	-11.0	-15.9	281.8	15.6	15.3	-3.2	312.2	318.5	2.0	61.7	6.2	125.
19.5	57.1	5254.1	525.0	-14.2	-23.3	282.8	16.0	15.6	-3.5	313.8	317.4	1.1	38.9	7.4	121.
21.0	60.4	5595.5	500.0	-14.9	-21.6	278.0	16.7	16.5	-2.3	314.9	319.2	1.3	56.4	8.8	118.
22.5	63.7	6031.2	475.0	-15.0	-21.6	280.8	17.8	17.5	-3.3	315.6	321.2	1.4	73.2	10.2	115.
24.0	67.0	6481.1	450.0	-20.9	-25.7	281.5	20.4	20.0	-4.1	317.0	319.6	0.8	49.3	11.8	113.
25.4	70.6	6923.1	425.0	-24.0	-31.4	279.2	22.7	22.5	-3.6	318.2	320.4	0.6	50.1	13.7	111.
27.1	74.1	7362.3	400.0	-27.6	-34.1	278.8	23.8	23.5	-3.6	319.1	321.1	0.6	59.4	15.9	110.
28.7	77.9	7803.8	375.0	-30.7	-33.2	278.1	25.3	25.0	-3.6	320.9	323.0	0.6	79.0	18.3	108.
30.5	81.8	8253.2	350.0	-34.2	-37.1	278.0	27.7	27.4	-3.9	322.7	324.2	0.4	74.6	21.1	107.
32.4	85.8	8804.5	325.0	-39.2	-41.6	280.6	29.1	28.6	-5.3	324.1	325.2	0.3	69.7	24.3	106.
34.4	90.0	9370.5	300.0	-44.1	99.9	279.0	31.9	31.5	-5.0	326.0	999.9	99.9	999.9	27.9	105.
36.4	94.5	9931.8	275.0	-47.6	99.9	277.8	34.4	34.1	-4.7	326.3	999.9	99.9	999.9	32.0	104.
38.9	99.2	10523.7	250.0	-56.6	99.9	275.7	37.5	37.3	-3.7	325.8	999.9	99.9	999.9	37.1	103.
41.4	104.0	11263.6	225.0	-57.7	99.9	276.1	43.4	43.2	-4.6	330.2	999.9	99.9	999.9	43.2	102.
44.3	109.3	11917.9	200.0	-62.7	99.9	280.4	47.1	46.3	-8.5	333.5	999.9	99.9	999.9	50.8	101.
47.5	114.8	12776.9	175.0	-66.7	99.9	282.3	44.3	43.3	-9.4	341.6	999.9	99.9	999.9	59.1	102.
50.8	120.8	13711.5	150.0	-67.6	99.9	275.2	42.3	42.1	-3.8	353.7	999.9	99.9	999.9	67.9	101.
54.3	127.3	14824.9	125.0	-66.6	99.9	282.8	26.5	27.9	-5.9	381.2	999.9	99.9	999.9	76.1	101.
58.8	134.5	16195.4	100.0	-63.3	99.9	285.8	16.4	15.8	-4.5	405.5	999.9	99.9	999.9	81.8	101.
66.1	142.3	17978.3	75.0	-61.1	99.9	283.6	11.6	11.3	-2.7	444.8	999.9	99.9	999.9	87.4	101.
74.4	150.7	20485.4	50.0	-62.5	99.9	999.9	99.9	99.9	99.9	501.0	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

2 MAY 1978
1100 GMT

159 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.6	438.0	966.8	2.8	-2.9	80.0	5.2	-5.1	-0.9	278.6	287.0	3.2	66.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	11.0	580.4	950.0	4.3	-4.3	999.9	999.9	99.9	99.9	281.5	289.3	2.9	53.5	999.9	999.
1.5	13.3	797.9	925.0	4.4	-4.8	999.9	999.9	99.9	99.9	283.8	291.6	2.9	51.2	999.9	999.
2.4	15.5	1020.3	900.0	2.8	-6.3	84.1	14.1	-14.0	-1.4	284.4	291.6	2.7	51.0	2.1	264.
3.2	17.8	1247.9	875.0	2.5	-17.3	74.7	11.8	-11.4	-3.1	286.4	289.8	1.2	22.8	2.7	264.
4.2	20.2	1482.8	850.0	4.5	-24.1	47.4	7.4	-5.5	-5.0	290.9	292.9	0.6	10.4	3.3	261.
5.1	22.5	1726.8	825.0	6.1	-25.1	24.0	4.8	-1.9	-4.4	295.1	297.8	0.6	8.4	3.5	257.
6.0	24.9	1978.6	800.0	6.0	-18.5	355.2	4.0	0.3	-4.0	297.6	300.9	1.1	15.1	3.6	254.
6.9	27.4	2238.1	775.0	4.7	-14.8	340.7	5.3	1.8	-5.0	298.9	304.1	1.8	25.8	3.6	250.
7.8	29.8	2504.5	750.0	3.0	-4.0	332.3	6.2	2.9	-5.5	299.9	310.7	3.8	59.9	3.6	245.
8.9	32.4	2779.2	725.0	2.2	-3.7	315.3	6.1	4.3	-4.4	301.9	313.4	4.0	65.1	3.5	238.
10.0	34.9	3061.7	700.0	0.2	-3.0	301.6	6.1	5.2	-3.2	302.7	315.3	4.4	73.1	3.4	232.
11.0	37.4	3352.7	675.0	-1.4	-5.2	285.3	7.2	7.0	-1.9	304.1	315.2	3.9	75.5	3.2	226.
12.0	40.1	3652.9	650.0	-2.9	-10.2	281.5	9.4	9.2	-1.9	305.7	313.8	2.7	57.1	3.0	218.
13.1	42.8	3963.1	625.0	-4.4	-15.3	284.2	11.5	11.2	-2.8	307.5	313.2	1.9	42.0	2.8	209.
14.2	45.6	4283.2	600.0	-7.1	-16.6	284.5	12.9	12.5	-3.2	307.9	313.2	1.7	46.4	2.7	198.
15.4	48.4	4613.7	575.0	-9.1	-19.1	280.1	12.7	12.5	-2.2	309.4	314.0	1.5	44.0	3.0	189.
16.7	51.2	4956.6	550.0	-10.6	-19.1	281.1	11.8	11.6	-2.3	311.6	316.4	1.5	49.2	3.4	185.
17.9	54.1	5313.3	525.0	-12.1	-23.0	283.7	12.5	12.1	-3.0	313.9	317.5	1.1	39.5	4.0	182.
19.2	57.2	5684.3	500.0	-15.4	-24.0	284.9	15.5	15.0	-4.0	314.3	317.8	1.1	47.4	4.9	179.
20.5	60.3	6069.4	475.0	-16.6	-26.2	277.8	19.0	18.8	-2.6	314.9	318.0	0.9	51.0	6.0	176.
21.9	63.4	6470.9	450.0	-21.4	-26.5	275.3	19.6	19.6	-1.8	316.3	319.5	1.0	63.2	7.5	172.
23.3	66.6	6890.1	425.0	-24.4	-28.1	278.9	18.9	18.7	-2.9	317.7	320.6	0.9	71.5	9.0	167.
24.9	70.0	7329.1	400.0	-27.6	-33.6	281.7	20.8	20.3	-4.2	319.2	321.1	0.6	56.0	10.7	161.
26.6	73.4	7790.6	375.0	-31.0	-37.4	281.1	23.8	23.4	-4.6	320.6	322.0	0.4	52.9	13.0	152.
28.4	77.1	8276.4	350.0	-34.5	-41.5	279.1	28.5	28.2	-4.5	322.3	323.3	0.3	48.2	15.7	140.
30.2	80.9	8790.4	325.0	-38.4	-45.7	278.0	30.5	30.2	-4.3	323.8	324.5	0.2	45.5	18.9	108.
32.1	84.9	9335.3	300.0	-43.0	99.9	274.6	33.0	32.9	-2.7	324.8	999.9	99.9	999.9	22.5	106.
34.4	89.0	9915.1	275.0	-46.2	99.9	269.7	37.8	37.8	0.2	325.4	999.9	99.9	999.9	27.0	104.
36.6	93.4	10536.0	250.0	-53.0	99.9	270.2	40.7	40.7	-0.2	327.2	999.9	99.9	999.9	32.1	101.
39.0	98.0	11208.1	225.0	-57.9	99.9	272.9	43.8	43.8	-2.2	329.7	999.9	99.9	999.9	38.0	100.
41.6	102.9	11941.5	200.0	-62.5	99.9	273.4	46.1	46.0	-2.7	333.8	999.9	99.9	999.9	45.3	99.
44.5	108.4	12757.7	175.0	-66.4	99.9	272.5	41.4	41.4	-1.8	340.5	999.9	99.9	999.9	52.9	98.
47.8	114.3	13699.0	150.0	-62.2	99.9	275.0	32.8	32.7	-2.9	363.0	999.9	99.9	999.9	60.5	97.
51.8	121.0	14829.2	125.0	-60.1	99.9	279.9	19.9	19.6	-3.4	386.2	999.9	99.9	999.9	66.1	98.
56.5	128.5	16216.3	100.0	-61.6	99.9	286.9	16.9	16.2	-4.9	408.7	999.9	99.9	999.9	71.2	98.
62.7	137.5	18007.9	75.0	-59.6	99.9	281.0	11.7	11.5	-2.2	447.9	999.9	99.9	999.9	76.1	98.
70.6	148.0	20532.4	50.0	-59.9	99.9	308.2	8.1	6.4	-5.0	502.4	999.9	99.9	999.9	80.5	99.
83.0	160.5	24580.8	25.0	-51.1	99.9	999.9	999.9	99.9	99.9	638.0	999.9	99.9	999.9	83.0	99.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

2 MAY 1978
1100 GMT

156 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.8	392.0	968.2	10.6	2.9	60.0	7.7	-6.7	-3.8	286.4	299.3	4.9	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.4	549.5	950.0	8.4	3.3	999.9	999.9	99.9	99.9	285.7	299.2	5.1	69.9	999.9	999.
1.7	12.7	769.4	925.0	6.5	1.3	999.9	999.9	99.9	99.9	286.0	298.1	4.6	69.3	999.9	999.
2.5	15.0	993.7	900.0	5.3	1.5	88.5	14.2	-14.2	-0.4	286.9	299.5	4.7	76.6	1.6	255.
3.3	17.3	1225.9	875.0	8.3	7.7	77.0	12.0	-11.7	-2.7	292.4	312.4	7.6	95.9	2.3	255.
4.3	19.6	1465.9	850.0	7.7	7.7	52.3	8.9	-7.0	-5.4	294.3	315.0	7.8	99.7	2.8	256.
5.3	22.0	1712.0	825.0	7.5	5.9	69.3	4.6	-4.3	-1.6	296.6	315.7	7.1	89.4	3.2	252.
6.3	24.5	1965.9	800.0	7.4	3.5	139.5	2.5	-1.6	1.9	299.0	316.0	6.2	76.3	3.4	253.
7.3	27.0	2227.6	775.0	6.5	5.5	231.0	7.6	5.9	4.8	300.8	321.0	7.4	93.6	3.1	255.
8.3	29.5	2497.2	750.0	6.0	3.3	134.8	5.4	-3.9	3.8	303.1	321.2	6.5	82.8	2.8	258.
9.3	32.0	2774.5	725.0	4.6	-3.7	131.7	3.2	-2.4	2.1	304.5	316.1	4.0	54.8	3.1	260.
10.3	34.7	3059.7	700.0	2.8	-10.9	194.5	1.8	0.4	1.7	305.6	312.7	2.4	35.5	3.1	262.
11.4	37.3	3352.7	675.0	0.5	-13.0	232.2	2.0	1.6	1.3	306.2	312.5	2.1	35.4	3.0	263.
12.5	40.0	3654.4	650.0	-1.3	-18.7	255.2	3.7	3.6	0.9	307.5	311.7	1.3	25.1	2.9	264.
13.6	42.8	3966.1	625.0	-3.0	-30.0	255.5	5.3	5.2	1.3	309.0	310.7	0.5	10.4	2.6	265.
14.7	45.6	4288.3	600.0	-5.0	-21.2	278.8	8.1	8.0	-1.2	310.4	314.1	1.2	26.6	2.2	265.
15.9	48.3	4621.5	575.0	-7.3	-17.6	288.3	12.5	11.9	-3.9	311.5	316.7	1.7	43.5	1.5	254.
17.1	51.3	4966.5	550.0	-9.5	-19.1	278.8	14.7	14.5	-2.2	312.9	317.7	1.5	45.2	0.9	214.
18.4	54.3	5324.3	525.0	-12.0	-28.9	250.3	15.9	15.0	5.4	314.0	316.2	0.7	32.8	0.9	136.
19.7	57.4	5695.5	500.0	-14.9	-24.5	240.4	17.5	15.2	8.6	314.8	318.3	1.1	44.8	1.8	80.
21.1	60.6	6081.1	475.0	-18.7	-23.1	283.0	18.0	17.5	-4.0	314.8	318.8	1.2	67.9	3.0	90.
22.6	63.9	6482.2	450.0	-21.5	-22.4	246.9	19.5	17.9	7.6	316.2	320.7	1.4	92.4	4.5	84.
24.1	67.3	6901.9	425.0	-23.9	-30.5	261.4	18.7	18.6	2.2	318.4	320.7	0.7	54.0	6.2	83.
25.7	70.9	7341.5	400.0	-27.4	-34.0	249.8	20.1	18.9	6.9	319.4	321.3	0.5	52.7	8.0	81.
27.5	74.4	7803.2	375.0	-30.5	-36.1	247.0	23.2	21.4	9.1	321.3	322.9	0.5	57.4	10.2	79.
29.4	78.3	8290.4	350.0	-34.0	-39.1	248.0	25.9	24.0	9.7	322.9	324.2	0.4	59.3	13.1	78.
31.3	82.2	8805.3	325.0	-38.2	-42.8	252.4	28.8	27.5	8.7	324.1	325.1	0.3	60.9	16.1	75.
33.3	86.3	9351.4	300.0	-42.6	99.9	251.2	32.9	31.1	10.6	325.3	999.9	99.9	999.9	19.7	74.
35.5	90.6	9932.9	275.0	-47.4	99.9	246.8	34.9	32.1	13.8	326.6	999.9	99.9	999.9	24.3	73.
37.8	95.2	10553.3	250.0	-52.8	99.9	248.0	37.7	34.9	14.1	327.5	999.9	99.9	999.9	29.1	72.
40.3	100.0	11220.8	225.0	-58.2	99.9	251.7	41.8	39.7	13.1	329.4	999.9	99.9	999.9	35.1	72.
42.9	105.2	11940.1	200.0	-62.2	99.9	255.3	49.4	47.8	12.5	334.3	999.9	99.9	999.9	42.3	72.
45.6	110.8	12740.1	175.0	-65.0	99.9	261.8	45.8	45.3	6.5	342.7	999.9	99.9	999.9	50.7	73.
46.4	116.8	13716.2	150.0	-66.4	99.9	255.9	35.1	34.1	8.5	355.8	999.9	99.9	999.9	56.8	74.
52.9	123.7	14835.0	125.0	-63.1	99.9	270.9	23.3	23.3	-0.4	380.8	999.9	99.9	999.9	63.1	74.
56.8	131.0	16213.8	100.0	-62.3	99.9	281.6	13.2	12.9	-2.7	407.4	999.9	99.9	999.9	68.0	76.
63.1	139.3	18005.5	75.0	-60.6	99.9	253.3	11.4	10.9	3.3	445.8	999.9	99.9	999.9	71.8	77.
71.5	148.7	20515.5	50.0	-60.4	99.9	309.9	7.9	6.1	-5.1	501.3	999.9	99.9	999.9	75.4	78.
84.6	158.5	24939.4	25.0	-50.5	99.9	999.9	999.9	99.9	99.9	639.8	999.9	99.9	999.9	78.7	79.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

2 MAY 1978
1100 GMT

194 13. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.5	1094.0	886.7	3.0	2.7	45.0	11.2	-7.9	-7.9	285.6	299.4	5.3	98.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	18.8	1220.0	875.0	2.1	1.8	999.9	999.9	99.9	99.9	286.0	299.1	5.0	97.8	999.9	999.
1.2	21.3	1453.7	850.0	0.4	0.2	999.9	999.9	99.9	99.9	286.6	298.7	4.6	97.9	999.9	999.
2.2	23.9	1694.3	825.0	3.3	3.1	999.9	999.9	99.9	99.9	292.1	307.7	5.8	98.3	1.9	228.
2.9	26.4	1945.3	800.0	4.7	4.5	65.1	15.4	-14.0	-6.5	296.1	314.0	6.6	98.5	2.5	231.
3.7	29.0	2204.1	775.0	3.5	3.3	83.4	12.9	-12.8	-1.5	297.6	314.8	6.3	98.3	3.2	236.
4.7	31.7	2470.7	750.0	2.8	2.5	99.5	11.9	-11.7	2.0	299.6	316.5	6.1	98.2	3.7	242.
5.6	34.3	2746.3	725.0	1.3	99.9	106.8	11.2	-10.7	3.2	300.9	999.9	99.9	999.9	4.3	248.
6.7	37.1	3025.6	700.0	0.3	99.9	119.1	11.2	-9.8	5.5	302.9	999.9	99.9	999.9	4.8	254.
7.6	39.9	3317.1	675.0	0.8	99.9	130.5	10.2	-7.7	6.6	306.5	999.9	99.9	999.9	5.2	259.
8.5	42.7	3619.0	650.0	-1.3	99.9	138.2	9.2	-6.2	6.9	307.5	999.9	99.9	999.9	5.5	264.
9.5	45.6	3929.7	625.0	-3.8	99.9	142.3	8.6	-5.3	6.8	308.1	999.9	99.9	999.9	5.8	268.
10.4	48.6	4250.6	600.0	-5.7	99.9	156.5	7.8	-3.1	7.1	309.5	999.9	99.9	999.9	6.1	271.
11.5	51.6	4582.5	575.0	-8.1	99.9	181.3	8.5	0.2	8.5	310.6	999.9	99.9	999.9	6.2	276.
12.6	54.8	4925.8	550.0	-10.7	99.9	196.0	11.2	3.1	10.8	311.4	999.9	99.9	999.9	6.1	282.
13.6	57.9	5282.2	525.0	-12.5	99.9	203.4	15.7	6.2	14.4	313.4	999.9	99.9	999.9	6.1	289.
14.7	61.1	5652.2	500.0	-16.0	99.9	209.9	19.9	9.9	17.3	313.6	999.9	99.9	999.9	6.0	301.
15.6	64.5	6036.8	475.0	-18.8	99.9	209.7	20.9	10.3	18.1	314.7	999.9	99.9	999.9	6.2	315.
17.2	68.0	6437.3	450.0	-20.9	99.9	208.2	20.7	9.8	18.3	316.9	999.9	99.9	999.9	6.9	328.
18.6	71.6	6857.9	425.0	-23.3	99.9	213.7	19.5	10.8	16.2	319.1	999.9	99.9	999.9	7.8	339.
20.0	75.3	7298.0	400.0	-27.3	99.9	218.4	17.1	10.6	13.4	319.5	999.9	99.9	999.9	8.7	348.
21.2	79.0	7759.1	375.0	-31.3	99.9	225.4	15.3	10.9	10.8	320.1	999.9	99.9	999.9	9.4	353.
22.6	83.0	8243.6	350.0	-34.8	99.9	237.6	16.9	14.3	9.1	321.8	999.9	99.9	999.9	10.2	359.
24.4	87.2	8755.9	325.0	-39.9	99.9	237.3	20.5	17.3	11.1	321.7	999.9	99.9	999.9	11.3	8.
26.1	91.5	9298.2	300.0	-44.2	99.9	228.5	25.2	18.9	16.7	323.0	999.9	99.9	999.9	13.0	15.
27.9	96.0	9876.0	275.0	-48.2	99.9	226.5	33.0	23.9	22.7	325.4	999.9	99.9	999.9	15.7	21.
29.8	100.8	10495.6	250.0	-53.8	99.9	225.1	43.8	31.1	30.9	326.1	999.9	99.9	999.9	19.7	26.
31.7	105.8	11162.3	225.0	-60.4	99.9	225.0	48.8	34.5	34.5	326.0	999.9	99.9	999.9	24.7	30.
34.4	111.4	11888.8	200.0	-62.9	99.9	233.5	53.8	43.2	32.0	333.2	999.9	99.9	999.9	32.9	35.
37.3	117.3	12714.9	175.0	-60.9	99.9	242.4	35.2	31.2	16.3	349.5	999.9	99.9	999.9	39.7	40.
40.1	123.5	13671.5	150.0	-61.1	99.9	237.7	27.3	23.1	14.6	364.8	999.9	99.9	999.9	45.0	42.
44.0	130.7	14854.9	125.0	-61.3	99.9	255.2	19.6	18.9	5.0	384.0	999.9	99.9	999.9	53.1	47.
48.6	138.3	16150.6	100.0	-63.4	99.9	275.3	14.6	14.5	-1.3	405.2	999.9	99.9	999.9	56.0	51.
54.8	146.7	17570.4	75.0	-60.4	99.9	279.5	9.5	9.4	-1.6	446.3	999.9	99.9	999.9	56.0	51.
64.2	156.0	20460.2	50.0	-62.3	99.9	287.3	5.0	4.8	-1.5	496.8	999.9	99.9	999.9	58.2	53.
76.1	165.5	24895.6	25.0	-51.1	99.9	999.9	999.9	99.9	99.9	637.9	999.9	99.9	999.9	58.8	54.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

2 MAY 1978
1100 GMT

156 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.3	8.2	258.0	980.6	3.5	-2.9	65.0	2.1	-1.9	-0.9	278.2	286.5	3.2	63.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.7	344.7	975.0	4.6	-3.6	82.2	3.0	-3.0	-0.4	279.8	287.7	3.0	55.4	0.1	261.
0.9	11.1	556.5	950.0	4.0	-3.3	81.3	3.5	-3.5	-0.5	281.3	289.7	3.2	58.9	0.1	240.
1.7	13.5	773.3	925.0	3.6	-3.4	71.9	3.0	-2.8	-0.9	283.0	291.6	3.2	60.2	0.3	247.
2.6	15.9	995.3	900.0	2.2	-4.1	28.6	2.8	-1.3	-2.5	283.8	292.2	3.1	62.8	0.4	251.
3.3	18.4	1222.4	875.0	0.6	-5.4	354.8	5.3	0.5	-5.3	284.4	292.3	2.9	64.2	0.5	228.
4.1	20.9	1454.2	850.0	-1.3	-5.8	341.7	7.1	2.3	-6.7	284.8	292.7	2.9	71.4	0.7	207.
4.9	23.4	1691.7	825.0	-2.9	-6.4	336.4	7.1	2.9	-6.5	285.5	293.3	2.9	77.1	1.0	191.
5.7	26.0	1934.7	800.0	-4.4	-7.4	326.8	6.7	3.7	-5.6	286.4	293.9	2.7	79.5	1.3	182.
6.5	28.6	2183.0	775.0	-4.6	-6.9	331.1	8.1	3.9	-7.1	288.9	297.0	3.0	84.1	1.6	174.
7.4	31.2	2436.3	750.0	-4.4	-9.2	342.7	8.3	2.5	-7.9	291.8	299.0	2.5	69.3	2.0	171.
8.4	34.0	2710.6	725.0	-4.4	-10.6	336.6	7.4	2.9	-6.8	294.6	301.3	2.3	61.8	2.5	169.
9.4	36.7	2986.4	700.0	-6.1	-11.4	343.8	7.8	2.2	-7.5	295.8	302.4	2.3	65.6	2.9	167.
10.4	39.4	3270.9	675.0	-6.7	-13.4	356.4	9.6	0.6	-9.6	298.1	304.0	2.0	59.1	3.4	168.
11.4	42.3	3564.5	650.0	-9.0	-15.2	3.7	10.3	-0.7	-10.3	298.7	304.1	1.8	60.8	4.0	170.
12.5	45.2	3867.3	625.0	-10.4	-18.1	9.9	9.8	-1.7	-9.6	300.5	304.9	1.5	53.0	4.7	172.
13.5	48.1	4180.3	600.0	-12.4	-19.6	12.6	10.2	-2.2	-10.0	301.7	305.8	1.3	55.0	5.2	174.
14.7	51.3	4504.1	575.0	-14.8	-21.7	11.7	11.8	-2.4	-11.5	302.7	306.3	1.2	55.3	6.0	177.
15.8	54.3	4839.5	550.0	-16.5	-26.0	4.9	12.6	-1.1	-12.6	304.5	307.1	0.8	43.6	6.8	178.
17.1	57.5	5187.9	525.0	-16.9	-30.6	357.8	14.4	0.5	-14.4	305.7	307.6	0.6	34.4	7.8	178.
18.4	60.7	5549.0	500.0	-21.9	-32.9	356.1	16.0	1.1	-16.0	306.3	307.9	0.5	36.0	9.0	178.
19.7	64.0	5924.7	475.0	-24.3	-36.5	354.6	17.2	1.6	-17.1	307.9	309.1	0.3	31.2	10.3	178.
21.2	67.6	6316.5	450.0	-27.5	-43.1	354.5	18.1	1.7	-18.0	308.7	309.3	0.2	20.7	11.9	177.
22.7	71.0	6724.7	425.0	-30.8	-45.9	350.9	17.8	2.8	-17.6	309.5	310.0	0.1	21.0	13.5	177.
24.2	74.7	7151.8	400.0	-34.5	-46.8	349.1	17.5	3.3	-17.2	310.2	310.6	0.1	21.5	15.1	176.
25.7	78.5	7599.4	375.0	-38.3	-51.3	347.8	15.8	3.3	-15.4	310.9	311.2	0.1	23.6	16.6	175.
27.4	82.5	8069.8	350.0	-42.4	99.9	344.8	15.8	4.2	-15.3	311.6	999.9	99.9	999.9	18.1	175.
29.1	86.6	8563.5	325.0	-47.0	99.9	342.7	15.3	4.5	-14.6	311.9	999.9	99.9	999.9	19.7	174.
31.0	90.8	9080.6	300.0	-50.4	99.9	328.3	19.0	10.0	-16.1	314.4	999.9	99.9	999.9	21.5	172.
33.0	95.2	9626.8	275.0	-51.7	99.9	319.9	25.1	16.1	-19.2	320.4	999.9	99.9	999.9	24.1	169.
35.2	100.0	10277.1	250.0	-50.6	99.9	311.3	24.5	18.4	-16.2	330.8	999.9	99.9	999.9	26.6	165.
37.9	105.0	10963.1	225.0	-51.3	99.9	301.4	23.8	20.3	-12.4	340.0	999.9	99.9	999.9	29.6	160.
40.8	110.2	11726.3	200.0	-51.6	99.9	298.5	20.9	18.3	-10.0	351.1	999.9	99.9	999.9	32.7	156.
43.8	115.5	12589.9	175.0	-54.4	99.9	288.9	20.9	19.7	-6.8	360.1	999.9	99.9	999.9	35.3	152.
47.2	121.5	13574.9	150.0	-55.2	99.9	297.2	21.1	18.8	-9.6	375.1	999.9	99.9	999.9	39.3	148.
51.7	128.0	14732.2	125.0	-57.4	99.9	294.3	17.1	15.6	-7.0	391.0	999.9	99.9	999.9	43.1	144.
56.7	135.0	16145.9	100.0	-57.1	99.9	295.3	16.9	14.5	-6.9	417.5	999.9	99.9	999.9	47.7	142.
63.0	142.7	17962.3	75.0	-57.7	99.9	293.3	12.1	11.1	-4.8	452.0	999.9	99.9	999.9	52.6	139.
71.6	151.0	20534.3	50.0	-54.9	99.9	331.4	4.9	2.4	-4.3	514.1	999.9	99.9	999.9	55.7	137.
84.2	159.3	25016.1	25.0	-51.0	99.9	270.4	2.0	2.0	-0.0	638.6	999.9	99.9	999.9	56.1	137.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

2 MAY 1978
1100 GMT

168 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.8	175.0	998.2	2.2	-3.7	20.0	4.2	-1.4	-3.9	275.5	283.1	2.9	65.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.7	365.5	975.0	3.2	-7.2	42.7	10.0	-6.8	-7.4	278.4	284.5	2.3	46.3	0.5	205.
1.4	10.8	576.4	950.0	4.1	-7.2	45.5	9.7	-6.9	-6.8	281.3	287.6	2.3	43.5	0.9	215.
2.1	12.8	792.8	925.0	3.0	-5.8	42.6	10.7	-7.3	-7.9	282.4	289.6	2.7	52.4	1.3	218.
3.1	15.0	1014.2	900.0	1.8	-6.4	34.9	14.1	-8.1	-11.6	283.3	289.5	2.3	46.6	1.9	218.
3.9	17.2	1241.5	875.0	1.4	-10.2	33.9	18.2	-10.2	-15.1	285.3	290.9	2.0	41.7	2.5	217.
4.8	19.5	1474.7	850.0	0.8	-12.5	33.4	13.6	-7.5	-11.3	287.0	291.9	1.7	36.1	3.2	217.
5.6	21.7	1714.1	825.0	0.1	-22.5	29.1	8.4	-4.1	-7.3	288.7	291.2	0.8	18.0	3.6	216.
6.4	24.1	1960.2	800.0	-0.5	-28.3	18.1	6.4	-1.2	-6.3	290.7	292.1	0.5	10.0	4.0	215.
7.4	26.5	2212.8	775.0	-2.5	-28.9	2.9	6.7	-0.3	-6.7	291.1	292.5	0.5	11.1	4.3	212.
8.4	28.9	2472.0	750.0	-3.7	-36.2	1.1	7.5	-0.1	-7.5	292.5	293.3	0.2	5.9	4.7	210.
9.3	31.4	2739.2	725.0	-4.4	-41.3	3.6	6.8	-0.4	-6.8	294.7	295.2	0.1	3.7	5.0	208.
10.3	33.9	3015.2	700.0	-4.7	-40.2	1.0	6.7	-0.1	-6.7	297.3	297.9	0.2	4.2	5.4	206.
11.4	36.6	3301.7	675.0	-4.9	-39.9	343.9	6.9	1.9	-6.6	301.2	301.8	0.2	4.1	5.7	204.
12.4	39.2	3599.0	650.0	-4.2	-39.8	333.0	6.5	3.0	-5.8	304.2	304.8	0.2	4.2	6.1	201.
13.5	41.9	3907.0	625.0	-6.2	-39.6	336.6	6.1	2.4	-5.6	305.4	306.0	0.2	5.0	6.3	198.
14.7	44.6	4225.3	600.0	-8.1	-43.7	336.6	7.4	2.9	-6.8	306.8	307.3	0.1	3.7	6.7	195.
15.6	47.6	4554.4	575.0	-10.4	-46.8	335.7	8.3	3.4	-7.6	307.8	308.1	0.1	3.2	7.1	192.
17.1	50.6	4894.5	550.0	-13.3	-49.9	338.4	8.4	3.1	-7.8	308.3	308.6	0.1	2.8	7.6	190.
18.5	53.8	5247.4	525.0	-14.8	-51.6	335.3	10.3	4.3	-9.3	310.6	310.8	0.1	2.6	8.3	187.
19.7	57.0	5614.0	500.0	-16.0	-52.6	322.7	13.6	8.2	-10.8	311.2	311.4	0.1	3.0	9.0	184.
21.1	60.3	5995.6	475.0	-20.6	-53.6	319.9	18.2	11.8	-14.0	312.5	312.7	0.1	3.4	10.3	178.
22.7	63.7	6393.6	450.0	-22.8	-54.5	319.4	19.6	12.8	-14.9	314.6	314.8	0.0	3.6	11.5	173.
24.1	67.3	6812.0	425.0	-24.3	-56.1	310.2	21.8	16.6	-14.1	317.8	318.0	0.0	2.7	13.0	168.
25.6	71.0	7250.0	400.0	-26.8	-56.5	309.1	24.6	19.1	-15.5	317.6	317.7	0.0	3.8	14.5	163.
27.4	74.8	7707.8	375.0	-33.4	-56.9	312.0	26.2	19.5	-17.5	317.3	317.5	0.0	7.3	17.0	158.
29.3	78.9	8188.4	350.0	-36.9	-58.7	313.3	27.0	19.7	-18.5	319.0	319.1	0.0	8.3	19.8	154.
31.2	83.0	8697.0	325.0	-40.4	99.9	310.8	29.8	22.5	-19.5	321.0	999.9	99.9	999.9	22.8	151.
33.0	87.4	9237.3	300.0	-45.2	99.9	304.5	30.8	25.4	-17.5	321.6	999.9	99.9	999.9	25.8	148.
35.2	92.2	9812.6	275.0	-49.2	99.9	302.5	31.9	26.9	-17.2	324.0	999.9	99.9	999.9	29.6	145.
37.7	97.2	10431.0	250.0	-54.0	99.9	301.4	30.9	26.3	-16.1	325.9	999.9	99.9	999.9	34.1	142.
40.3	102.8	11096.4	225.0	-59.0	99.9	295.7	32.3	29.1	-14.0	328.1	999.9	99.9	999.9	38.4	139.
43.1	108.5	11815.3	200.0	-59.9	99.9	298.6	34.7	30.5	-16.6	337.9	999.9	99.9	999.9	44.2	136.
46.2	115.0	12668.7	175.0	-60.4	99.9	292.8	27.0	24.9	-10.5	350.3	999.9	99.9	999.9	49.4	134.
49.5	121.8	13635.8	150.0	-59.1	99.9	288.4	23.0	21.8	-7.3	368.2	999.9	99.9	999.9	53.7	132.
53.6	129.3	14777.4	125.0	-59.7	99.9	293.6	21.7	19.9	-8.7	387.0	999.9	99.9	999.9	59.4	130.
58.4	137.7	16179.6	100.0	-56.6	99.9	290.7	16.4	15.3	-5.8	414.6	999.9	99.9	999.9	64.1	129.
64.6	147.0	17984.8	75.0	-60.4	99.9	291.3	12.9	12.1	-4.7	446.3	999.9	99.9	999.9	69.7	127.
73.0	157.0	20527.9	50.0	-56.9	99.9	276.6	6.5	6.4	-0.7	509.4	999.9	99.9	999.9	74.1	126.
86.0	167.3	25003.6	25.0	-51.3	99.9	999.9	999.9	99.9	99.9	637.5	999.9	99.9	999.9	76.3	126.

* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** EV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

2 MAY 1978
1115 GMT

153 12. 0

TIME MIN	GATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.9	791.0	926.6	5.0	3.5	40.0	5.2	-3.3	-4.0	284.3	298.2	5.3	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	13.3	835.1	925.0	4.0	-0.6	57.1	9.3	-7.8	-5.1	283.4	293.9	4.0	72.2	0.3	227.
0.9	15.4	1027.7	900.0	2.7	-1.4	64.4	10.5	-9.4	-4.5	284.3	294.5	3.9	74.5	0.5	232.
1.8	17.7	1225.3	875.0	1.5	-5.9	68.5	11.5	-10.7	-4.2	285.4	293.0	2.8	57.6	1.1	242.
2.7	20.1	1428.4	850.0	0.3	-4.9	58.4	12.2	-10.4	-6.4	286.7	295.2	3.1	67.2	1.8	242.
3.5	22.5	1636.1	825.0	0.5	-6.4	65.0	11.4	-10.3	-4.8	289.2	296.0	2.5	51.0	2.4	241.
4.5	24.9	1574.9	800.0	0.2	-5.5	82.5	9.9	-9.8	-1.3	291.4	299.9	3.1	63.6	3.0	243.
5.5	27.4	2229.0	775.0	-1.0	-1.0	117.1	6.7	-6.0	3.1	292.7	305.3	4.6	100.4	3.4	248.
6.4	30.0	2492.1	750.0	0.5	0.5	141.6	3.2	-2.0	2.5	297.1	311.8	5.3	101.6	3.5	252.
7.3	32.5	2763.6	725.0	-1.2	-1.2	158.0	1.8	-0.7	1.6	298.1	311.6	4.8	101.0	3.6	254.
8.4	35.1	3043.3	700.0	2.4	-4.2	123.7	1.7	-1.4	1.0	299.9	311.2	4.0	87.0	3.6	255.
9.5	37.6	3331.7	675.0	-3.7	-9.0	139.0	1.2	-0.8	0.9	301.5	309.9	2.9	66.5	3.7	256.
10.[illegible]	40.2	3629.7	650.0	-4.7	-12.4	237.5	3.2	2.7	1.7	303.7	310.4	2.3	54.7	3.6	257.
11.7	42.8	3937.8	625.0	-5.8	-15.4	238.3	6.2	5.3	3.3	305.8	311.4	1.9	46.7	3.2	258.
12.[illegible]	45.4	4256.4	600.0	-7.9	-15.9	239.9	8.6	7.7	3.3	307.0	312.7	1.8	52.5	2.8	262.
14.1	48.0	4586.3	575.0	-9.6	-15.8	240.7	7.2	6.3	3.5	8.8	314.8	1.9	60.0	2.3	266.
15.[illegible]	50.8	4928.2	550.0	-11.1	-16.8	238.6	7.0	5.9	3.9	310.9	315.8	1.6	52.9	1.9	273.
16.6	53.0	5285.0	525.0	-13.5	-22.5	236.3	7.5	6.2	4.1	312.2	314.0	1.2	46.5	1.5	287.
17.6	58.1	5654.5	500.0	-16.4	-27.0	245.3	9.2	8.3	3.8	313.1	315.8	0.8	39.0	1.2	309.
19.3	61.4	6038.7	475.0	-19.0	-29.1	254.3	11.6	11.2	3.1	314.4	316.8	0.7	40.4	1.0	356.
20.6	64.5	6438.3	450.0	-21.8	-33.0	260.4	12.3	12.1	2.0	315.9	317.7	0.5	35.[illegible]	1.6	39.
22.2	68.0	6853.3	425.0	-25.0	-36.2	262.5	12.5	12.4	1.6	316.9	318.3	0.4	34.2	2.5	56.
23.7	71.6	7295.0	400.0	-28.6	-36.1	262.6	13.7	13.6	1.8	317.8	319.3	0.4	46.1	3.6	64.
25.4	75.3	7763.3	375.0	-33.0	-38.6	261.8	15.2	15.0	2.2	317.9	319.2	0.4	56.6	5.0	70.
27.2	79.3	8234.5	350.0	-37.0	-42.2	254.0	19.1	18.4	5.3	318.9	319.9	0.3	57.6	6.7	72.
29.1	83.2	8742.0	325.0	-41.8	99.9	245.5	20.5	18.6	8.5	319.1	999.9	99.9	999.9	9.0	72.
31.1	87.3	9278.5	300.0	-46.9	99.9	241.2	23.0	20.1	11.1	319.2	999.9	99.9	999.9	11.5	69.
33.2	91.7	9847.7	275.0	-52.6	99.9	242.1	23.6	20.9	11.1	319.1	999.9	99.9	999.9	14.5	68.
35.6	96.4	10455.3	250.0	-58.3	99.9	248.4	27.8	25.8	10.2	319.4	999.9	99.9	999.9	17.7	67.
37.4	101.4	11114.0	225.0	-54.7	99.9	253.6	38.0	36.4	10.7	328.5	999.9	99.9	999.9	22.7	68.
40.1	106.6	11825.9	200.0	-59.1	99.9	259.0	27.2	26.7	5.2	339.3	999.9	99.9	999.9	27.8	70.
42.8	112.4	12655.8	175.0	-63.4	99.9	279.7	20.1	17.3	10.1	345.4	999.9	99.9	999.9	30.6	70.
46.9	118.7	13637.0	150.0	-66.6	99.9	291.3	22.5	21.4	7.2	365.8	999.9	99.9	999.9	35.4	69.
49.6	125.7	14781.3	125.0	-59.4	99.9	262.3	14.8	14.6	2.0	387.5	999.9	99.9	999.9	39.0	69.
54.5	133.3	16169.5	100.0	-61.9	99.9	275.9	11.5	11.5	-1.2	408.2	999.9	99.9	999.9	42.4	71.
56.2	141.7	17963.7	75.0	-59.5	99.9	277.3	7.4	7.3	-0.9	448.1	999.9	99.9	999.9	45.0	73.
66.3	150.7	20494.4	50.0	-61.7	99.9	287.1	6.9	6.6	-2.0	498.2	999.9	99.9	99.9	47.9	74.
77.3	159.7	24855.6	25.0	-51.5	99.9	999.9	999.9	99.9	99.9	637.1	999.9	99.9	999.9	48.8	76.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

2 MAY 1978
1101 GMT

196 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.3	268.0	989.7	0.6	-2.8	20.0	1.1	-0.4	-1.0	274.6	282.7	3.1	78.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	9.5	389.5	975.0	4.6	-2.0	71.0	7.4	-7.0	-2.4	279.7	288.6	3.4	62.5	0.8	190.
1.3	11.7	602.2	950.0	6.8	-5.5	83.3	8.9	-8.9	-1.0	284.1	291.4	2.7	40.9	1.8	210.
2.2	13.6	820.7	925.0	5.4	-6.5	89.2	8.6	-8.6	-0.1	284.8	291.8	2.5	41.9	1.3	228.
3.0	16.1	1043.8	900.0	3.4	-7.4	89.9	8.7	-8.7	-0.0	285.0	291.7	2.4	45.2	1.7	239.
3.9	18.4	1271.5	875.0	1.2	-7.9	92.2	8.9	-8.9	0.3	285.0	291.6	2.4	50.6	2.1	245.
4.9	20.7	1503.7	850.0	-0.9	-10.4	84.5	7.0	-7.0	-0.7	285.2	290.9	2.0	48.2	2.6	250.
5.8	23.0	1742.0	825.0	-0.3	-24.4	62.8	5.3	-4.7	-2.4	288.3	290.2	0.8	14.1	2.9	250.
6.6	25.4	1987.6	800.0	-1.2	-27.7	50.3	5.0	-3.9	-3.2	289.9	291.4	0.5	11.1	3.2	249.
7.4	27.8	2240.5	775.0	-1.1	-1.5	20.8	3.7	-1.3	-3.5	292.6	293.8	0.4	8.3	3.4	247.
8.6	30.3	2503.0	750.0	0.9	-32.1	326.2	4.1	2.3	-3.4	297.6	298.7	0.3	6.3	3.4	245.
9.7	32.8	2775.4	725.0	1.4	-31.1	3.7.3	5.0	2.7	-4.2	301.0	302.3	0.4	6.7	3.4	239.
10.8	35.3	3056.6	700.0	-0.4	-32.0	339.9	5.0	1.7	-4.7	302.1	303.3	0.4	7.0	3.4	233.
12.1	38.0	3346.6	675.0	-1.7	-26.3	353.4	4.2	0.5	-4.1	303.7	305.9	0.7	13.2	3.5	228.
13.2	40.7	3646.0	650.0	-3.3	-24.2	350.7	2.5	0.4	-2.5	305.3	307.9	0.8	17.9	3.7	225.
14.4	43.3	3954.9	625.0	-5.5	-2?.6	322.3	2.0	1.2	-1.6	306.2	308.2	0.6	15.6	3.7	224.
15.7	46.1	4273.6	600.0	-7.7	-28.8	307.7	1.9	1.5	-1.1	307.2	309.1	0.6	16.4	3.7	221.
17.0	48.9	4602.8	575.0	-10.4	-30.7	280.5	0.8	0.8	-0.1	307.8	309.5	0.5	17.0	3.7	219.
18.4	51.9	4943.7	550.0	-12.2	-28.7	235.1	1.4	1.1	0.8	309.7	311.8	0.7	24.1	3.7	219.
19.7	54.8	5297.7	525.0	-15.3	-16.0	226.8	2.1	1.5	1.4	310.1	316.5	2.1	94.2	3.5	218.
21.1	57.6	5665.0	500.0	-17.4	-17.7	235.0	4.1	3.3	2.3	311.8	317.7	1.9	98.4	3.3	218.
22.6	61.0	6048.3	475.0	-18.9	-29.3	257.6	7.8	7.6	1.7	314.6	317.0	0.7	39.2	2.9	213.
24.1	64.3	6448.7	450.0	-22.2	-30.5	263.6	9.2	9.1	1.0	315.3	317.6	0.7	46.8	2.4	198.
25.6	67.6	6866.8	425.0	-25.3	-33.7	266.6	11.4	11.4	0.7	316.5	318.3	0.5	45.2	2.3	177.
27.3	71.0	7302.8	400.0	-29.0	-37.5	264.5	12.0	12.0	1.1	317.3	318.6	0.4	43.2	2.5	166.
29.0	74.6	7761.3	375.0	-32.7	-41.7	999.9	999.9	99.9	99.9	318.3	319.2	0.3	39.7	999.9	999.
30.7	78.3	8242.8	350.0	-37.0	-46.3	999.9	999.9	99.9	99.9	318.9	319.5	0.2	36.7	5.1	114.
32.5	82.3	8750.5	325.0	-41.8	99.9	275.8	20.8	20.5	-2.7	319.1	999.9	99.9	999.9	7.0	110.
34.5	86.3	9288.2	300.0	-45.6	99.9	271.6	27.5	27.5	-0.7	321.2	999.9	99.9	999.9	9.8	105.
36.6	90.7	9861.9	275.0	-50.7	99.9	263.4	37.2	36.9	4.3	321.9	999.9	99.9	999.9	13.7	100.
38.8	95.2	10475.5	250.0	-55.5	99.9	265.5	39.8	39.7	3.2	323.6	999.9	99.9	999.9	19.0	95.
41.4	100.2	11143.4	225.0	-58.0	99.9	271.2	31.9	31.0	-0.7	329.6	999.9	99.9	999.9	24.2	94.
44.2	105.3	11880.0	200.0	-60.2	99.9	261.8	31.2	30.9	4.4	337.5	999.9	99.9	999.9	29.6	92.
47.2	111.0	12710.2	175.0	-62.7	99.9	271.1	27.0	27.0	-0.5	346.4	999.9	99.9	999.9	34.7	91.
50.4	117.3	13672.5	150.0	-60.2	99.9	274.1	21.8	21.7	-1.6	366.4	999.9	99.9	999.9	40.1	91.
55.3	124.0	14807.6	125.0	-61.4	99.9	277.9	18.0	17.8	-2.5	383.8	999.9	99.9	999.9	44.8	92.
60.0	131.3	16203.4	100.0	-58.9	99.9	290.4	12.9	12.1	-4.5	413.9	999.9	99.9	999.9	49.2	93.
66.2	140.0	18031.8	75.0	-58.7	99.9	291.1	8.5	8.0	-3.1	449.8	999.9	99.9	999.9	52.5	94.
74.5	149.0	20 9.4	50.0	-58.7	99.9	309.9	6.0	4.6	-3.8	505.1	999.9	99.9	999.9	56.7	95.
87.1	158.0	2 77.1	25.0	-51.3	99.9	999.9	999.9	99.9	99.9	637.1	999.9	99.9	999.9	58.1	97.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

2 MAY 1978
1100 GMT

164 12. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.5	290.0	997.5	1.7	-7.1	350.0	3.1	0.5	-3.1	275.1	281.0	2.3	52.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.6	384.3	975.0	2.6	-7.6	37.8	10.8	-6.6	-8.5	277.8	283.7	2.2	47.0	0.2	204.
1.4	11.1	594.2	950.0	3.2	-12.6	35.6	10.9	-6.3	-8.8	280.5	284.7	1.5	30.2	0.7	216.
2.3	13.4	810.1	925.0	2.2	-13.6	20.0	9.6	-3.3	-9.0	281.5	286.6	1.8	38.3	1.2	213.
3.0	15.8	1030.7	900.0	1.1	-7.6	11.8	10.6	-2.2	-10.4	282.7	289.2	2.4	52.1	1.7	207.
3.6	18.3	1257.2	875.0	0.5	-10.3	13.8	11.4	-2.7	-11.1	284.3	289.9	2.0	44.1	2.2	204.
4.7	20.8	1489.0	850.0	-1.6	-9.4	12.5	11.2	-2.4	-10.9	284.4	290.5	2.2	55.5	2.8	202.
5.5	23.4	1726.0	825.0	-3.2	-11.8	13.1	11.3	-2.6	-11.0	285.2	290.5	1.9	51.7	3.3	200.
6.4	26.0	1969.2	800.0	-2.9	-23.1	5.0	0.8	-0.5	-8.7	288.9	290.2	0.7	19.2	3.8	199.
7.4	28.7	2220.3	775.0	-3.8	-28.8	348.9	7.4	1.4	-7.3	289.7	291.1	0.5	12.2	4.3	197.
8.3	31.3	2479.0	750.0	-4.1	-26.0	348.9	8.0	1.5	-7.9	292.2	294.1	0.6	16.3	4.6	194.
9.3	34.1	2745.8	725.0	-5.0	-25.0	355.7	7.7	0.6	-7.7	294.0	296.1	0.7	18.9	5.1	192.
10.4	36.9	3021.2	700.0	-5.6	-26.4	354.4	7.8	0.7	-7.8	296.2	298.2	0.6	17.5	5.5	191.
11.4	39.7	3305.4	675.0	-7.3	-26.2	342.4	7.2	2.2	-6.8	297.5	299.5	0.7	20.3	5.9	189.
12.7	42.6	3599.4	650.0	-7.2	-28.6	335.3	8.5	3.5	-7.7	300.9	302.8	0.5	16.0	6.5	187.
13.9	45.4	3902.2	625.0	-7.5	-31.0	329.1	9.0	4.7	-7.8	303.9	305.4	0.5	13.1	7.0	184.
15.1	48.3	4215.0	600.0	-8.7	-31.8	326.5	9.3	5.1	-7.7	306.1	307.4	0.4	12.0	7.5	181.
16.3	51.4	4538.3	575.0	-11.0	-36.4	325.0	10.1	5.8	-8.3	307.1	308.1	0.3	10.2	8.1	178.
17.4	54.5	4873.7	550.0	-14.1	-37.5	323.3	10.5	6.3	-8.4	307.4	308.3	0.3	11.6	8.7	175.
18.5	57.6	5220.6	525.0	-17.1	-39.7	320.3	10.7	6.8	-8.3	307.9	308.6	0.2	11.9	9.4	172.
20.0	61.0	5584.3	500.0	-19.8	-42.6	322.9	11.8	7.1	-9.4	308.9	309.5	0.2	11.1	10.3	170.
21.7	64.3	5962.5	475.0	-22.9	-44.9	330.1	12.4	6.2	-10.8	309.6	310.1	0.1	11.2	11.3	167.
23.4	67.7	6356.7	450.0	-25.1	-47.5	342.5	14.0	4.4	-13.9	311.7	312.1	0.1	10.1	12.5	164.
25.2	71.3	6770.0	425.0	-27.4	-48.6	347.9	16.7	3.5	-16.3	314.0	314.4	0.1	11.2	14.1	166.
26.9	75.0	7203.4	400.0	-31.2	-49.3	346.8	18.4	4.2	-18.0	314.4	314.8	0.1	14.8	16.0	166.
28.7	78.9	7677.6	375.0	-36.5	-51.7	339.1	19.9	7.1	-18.6	315.9	316.2	0.1	15.5	18.2	166.
30.7	82.8	8156.1	350.0	-38.3	-54.9	336.7	19.1	7.6	-17.6	317.1	317.3	0.1	15.4	20.5	165.
32.6	87.0	8660.5	325.0	-42.6	99.9	335.1	19.8	8.3	-18.0	317.7	999.9	99.9	999.9	22.9	164.
34.6	91.2	9199.8	300.0	-46.8	99.9	329.3	19.8	10.1	-17.0	319.4	999.9	99.9	999.9	25.4	163.
37.3	95.8	9787.8	275.0	-51.2	99.9	323.5	21.4	12.7	-17.2	321.0	999.9	99.9	999.9	28.0	161.
39.9	100.5	10383.7	250.0	-56.2	99.9	321.2	23.4	14.7	-18.2	322.6	999.9	99.9	999.9	31.4	159.
42.4	105.4	11043.4	225.0	-60.7	99.9	314.8	25.3	17.9	-17.8	325.5	999.9	99.9	999.9	34.9	157.
45.5	110.8	11774.0	200.0	-61.5	99.9	311.1	28.3	21.3	-18.6	335.4	999.9	99.9	999.9	39.4	154.
48.6	116.5	12601.2	175.0	-59.8	99.9	295.8	29.3	18.3	-8.8	351.2	999.9	99.9	999.9	43.6	151.
52.4	122.8	13566.2	150.0	-58.8	99.9	296.7	16.8	14.8	-8.1	368.8	999.9	99.9	999.9	47.1	148.
57..	129.7	14718.1	125.0	-60.9	99.9	294.8	16.6	15.1	-7.0	384.8	999.9	99.9	999.9	51.0	146.
62.2	137.6	16100.3	100.0	-59.1	99.9	298.1	14.6	12.9	-6.9	413.5	999.9	99.9	999.9	55.2	143.
68.2	146.3	17692.8	75.0	-60.7	99.9	300.8	11.6	10.0	-6.0	445.7	999.9	99.9	999.9	59.8	141.
77.6	156.5	20446.1	50.0	-57.1	99.9	317.7	6.9	4.6	-5.1	508.9	999.9	99.9	999.9	63.7	140.
91.2	168.3	24858.3	25.0	-52.9	99.9	999.9	999.9	99.9	99.9	633.0	999.9	99.9	999.9	65.4	140.

* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** EV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 953
CHAMA, NEBRASKA

2 MAY 1978
1100 GMT

150 30. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	0000.0	000.0	2.3	-4.2	60.0	2.1	-1.8	-1.0	277.5	283.0	2.9	62.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	0.0	0000.0	999.0	7.2	-8.1	117.3	1.5	-1.3	0.7	284.5	290.5	2.2	32.7	0.1	208.
1.7	1.2	0000.0	999.0	5.9	-8.5	115.5	2.4	-2.1	1.2	285.3	291.3	2.2	34.8	0.2	208.
3.4	3.5	0000.0	999.0	3.6	-9.7	120.9	2.5	-2.2	1.5	285.2	290.9	2.0	37.2	0.3	203.
5.1	5.0	0000.0	999.0	1.5	-10.1	116.0	2.6	-2.3	1.1	285.3	290.9	2.0	41.0	0.4	206.
6.8	7.1	0000.0	999.0	-0.5	-10.1	109.2	2.9	-2.8	0.8	285.6	291.4	2.1	48.3	0.6	200.
8.5	8.5	0000.0	999.0	-2.2	-12.0	99.6	3.7	-3.6	-0.7	285.3	290.5	1.9	59.5	0.7	206.
10.2	10.5	0000.0	999.0	-3.9	-22.0	67.2	3.0	-2.7	-1.2	287.0	289.3	0.8	21.6	0.9	270.
8.0	12.0	2694.2	775.0	-4.2	-26.0	66.0	1.6	-1.1	-1.2	289.3	290.2	0.3	7.8	1.0	274.
7.0	13.5	2914.2	759.0	-4.9	-25.4	66.0	4.8	-3.4	-3.3	291.3	291.8	0.1	4.2	1.1	270.
8.0	15.0	3147.5	742.0	-5.9	-39.7	35.0	8.9	-5.1	-7.3	298.5	299.0	0.2	3.4	1.4	256.
9.0	16.0	3311.5	730.0	0.0	-25.2	28.8	10.1	-4.9	-8.8	302.4	303.5	0.2	2.9	1.8	244.
10.0	18.7	3342.4	675.0	-6.9	-35.4	25.2	8.9	-3.8	-8.1	304.7	305.3	0.2	3.4	2.4	234.
11.0	21.0	3602.2	655.0	-8.3	-33.1	20.3	7.2	-2.5	-6.7	305.3	306.5	0.4	7.8	2.8	229.
12.0	24.1	3911.5	625.0	-9.4	-33.6	7.7	5.3	-0.7	-5.2	306.3	307.9	0.5	11.0	3.2	225.
13.0	27.5	4219.3	600.0	-9.6	-29.3	8.9	4.4	-0.7	-4.3	306.7	308.5	0.6	14.2	3.4	222.
14.0	29.8	4529.1	575.0	-10.8	-30.1	22.6	4.6	-1.4	-3.8	307.4	309.2	0.5	10.5	3.7	220.
15.0	30.8	4534.8	570.0	-10.7	-31.0	27.9	3.5	-1.6	-3.1	309.0	310.7	0.5	10.9	3.6	219.
17.0	31.8	4839.3	545.0	-10.9	-31.8	41.8	3.5	-2.3	-2.7	310.5	312.0	0.5	28.6	4.1	218.
18.0	32.5	5145.2	520.0	-11.5	-30.9	52.5	3.8	-3.0	-2.3	311.7	313.0	0.4	29.3	4.5	219.
19.0	33.0	5450.5	495.0	-12.1	-28.8	53.4	4.6	-3.1	-3.4	312.1	314.1	0.3	16.8	4.7	220.
21.7	33.3	5615.8	480.0	-12.7	-31.9	72.1	3.8	-2.5	-2.9	313.5	314.2	0.2	14.8	4.9	221.
24.3	33.7	5781.5	465.0	-13.2	-44.1	76.2	2.6	-2.6	0.6	314.2	314.8	0.2	18.3	5.2	223.
26.9	34.1	7295.1	465.0	-13.9	-47.5	255.9	2.5	0.9	2.4	314.8	315.3	0.1	18.7	5.1	225.
29.6	34.7	7753.5	425.0	-14.6	-51.9	2.4.1	2.5	1.1	1.6	315.8	316.2	0.1	19.9	4.8	225.
32.2	35.1	8211.1	385.0	-15.4	-53.1	1.1.6	0.6	-0.3	0.1	316.6	317.2	0.1	19.3	4.7	225.
34.8	35.4	8736.5	345.0	-16.3	99.9	269.1	0.4	0.3	0.3	316.2	999.9	99.9	999.9	4.7	225.
37.5	37.1	9263.3	305.0	-16.5	99.9	338.8	1.3	0.6	-1.2	325.5	999.9	99.9	999.9	4.7	225.
40.1	38.8	9815.9	270.0	-16.7	99.9	12.8	3.7	-0.8	-3.6	321.8	999.9	99.9	999.9	5.3	223.
42.8	40.0	10369.2	235.0	-16.2	99.9	1.3.4	5.1	-1.2	-4.9	322.6	999.9	99.9	999.9	5.5	219.
45.5	41.2	11.1.8	200.0	-16.4	99.9	355.4	3.1	0.2	-3.1	323.9	999.9	99.9	999.9	6.2	216.
48.2	43.4	11.3.6	200.0	-16.1	99.9	292.4	5.2	4.8	-2.0	329.7	999.9	99.9	999.9	6.2	213.
50.9	44.6	1.1.3	175.0	-16.2	99.9	271.4	12.1	12.1	-0.1	350.6	999.9	99.9	999.9	5.5	196.
53.5	45.5	12642.1	150.0	-15.8	99.9	269.5	14.7	14.7	0.3	366.5	999.9	99.9	999.9	5.3	185.
56.2	46.8	13076.5	125.0	-16.3	99.9	287.7	12.7	12.1	-3.9	387.6	999.9	99.9	999.9	7.7	138.
58.9	47.3	13519.3	100.0	-16.6	99.9	292.9	6.0	5.3	-2.5	414.6	999.9	99.9	999.9	10.4	131.
61.6	48.5	13965.1	75.0	-16.5	99.9	351.1	9.3	7.9	-4.8	450.2	999.9	99.9	999.9	13.9	127.
73.6	51.6	15.5.9	50.0	-15.6	99.9	323.8	4.8	2.8	-3.9	512.4	999.9	99.9	999.9	16.9	126.
99.9	99.9	99.9	25.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
99 IN SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

2 MAY 1978
1115 GMT

135 45. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.0	847.0	923.1	0.0	-2.4	80.0	1.5	-1.5	-0.3	279.5	288.6	3.5	84.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	285.5	293.5	3.0	52.8	999.9	999.
0.8	14.9	1052.4	900.0	3.6	-4.9	999.9	999.9	99.9	99.9	286.8	293.5	2.4	45.0	999.9	999.
1.7	17.1	1263.9	875.0	2.9	-7.9	999.9	999.9	99.9	99.9	287.1	293.2	2.2	46.0	999.9	999.
2.6	19.3	1514.6	850.0	0.9	-9.4	999.9	999.9	99.9	99.9	287.9	293.5	2.0	46.1	999.9	999.
3.5	21.5	1756.0	825.0	-0.7	-10.8	999.9	999.9	99.9	99.9	289.1	293.5	1.5	37.4	999.9	999.
4.4	23.8	1999.1	800.0	-2.0	-14.6	999.9	999.9	99.9	99.9	292.1	293.3	0.3	7.9	999.9	999.
5.3	26.0	2251.4	775.0	-1.6	-31.5	999.9	999.9	99.9	99.9	294.7	296.1	0.5	10.1	999.9	999.
6.4	28.4	2512.4	750.0	-1.8	-29.2	999.9	999.9	99.9	99.9	296.8	298.5	0.5	12.0	999.9	999.
7.3	30.7	2781.6	725.0	-2.4	-27.9	999.9	999.9	99.9	99.9	298.7	300.4	0.6	13.2	2.3	298.
8.3	33.1	3059.2	700.0	-3.5	-27.7	999.9	999.9	99.9	4.4	300.1	303.1	1.0	24.6	2.8	299.
9.4	35.6	3346.0	675.0	-5.0	-22.1	120.6	8.6	-7.4	4.6	302.1	303.8	0.5	13.8	3.4	299.
10.3	38.1	3641.8	650.0	-6.0	-29.3	126.3	7.7	-6.2	4.6	303.8	305.2	0.4	12.6	3.8	301.
11.4	40.7	3946.0	625.0	-7.6	-31.5	131.4	7.0	-5.3	4.7	305.0	307.9	0.9	30.0	4.4	302.
12.5	43.3	4264.4	600.0	-9.6	-23.9	129.3	9.1	-7.0	5.7	305.0	309.7	1.1	41.6	5.0	303.
13.5	46.0	4591.6	575.0	-11.8	-22.2	121.7	10.1	-8.6	5.3	306.2	313.1	1.8	74.5	5.8	302.
15.1	48.8	4931.1	550.0	-13.9	-17.4	118.1	9.1	-8.0	4.3	307.6	313.1	1.9	84.0	6.2	302.
16.4	51.6	5281.6	525.0	-15.4	-17.4	152.3	4.4	-2.0	3.9	310.0	315.7	1.4	72.6	6.4	304.
17.7	54.5	5650.7	500.0	-17.7	-21.4	190.5	4.1	0.7	4.0	311.5	315.9	1.4	69.9	6.5	307.
19.0	57.5	6032.9	475.0	-20.2	-24.3	189.9	3.8	0.4	3.8	312.9	316.6	1.1	68.6	6.7	309.
20.4	60.6	6430.9	450.0	-23.7	-27.8	191.7	3.7	0.7	3.6	313.5	316.3	0.9	70.6	6.8	311.
21.8	63.9	6846.1	425.0	-27.0	-30.7	179.6	4.2	-0.0	4.2	314.4	316.7	0.7	73.6	7.2	313.
23.3	67.1	7280.2	400.0	-30.6	-33.7	160.6	4.6	-1.5	4.4	315.3	317.1	0.5	63.9	7.6	315.
24.9	70.4	7735.8	375.0	-34.1	-38.5	155.4	5.3	-2.2	4.8	316.5	317.7	0.4	60.9	8.1	316.
26.6	74.0	8214.7	350.0	-38.2	-42.9	157.6	6.9	-2.6	6.4	317.2	318.1	0.2	999.9	8.9	318.
28.4	77.7	8720.0	325.0	-42.8	99.9	149.1	8.8	-4.5	7.6	317.7	999.9	99.9	999.9	10.1	318.
30.3	81.7	9254.9	300.0	-47.2	99.9	138.9	11.4	-7.5	8.6	318.8	999.9	99.9	999.9	11.6	318.
32.3	85.8	9824.1	275.0	-52.0	99.9	132.6	12.7	-9.4	8.6	320.0	999.9	99.9	999.9	13.3	317.
34.6	90.2	10434.2	250.0	-57.4	99.9	123.4	12.0	-10.0	6.6	320.8	999.9	99.9	999.9	14.9	315.
37.1	94.8	11091.9	225.0	-62.6	99.9	130.0	8.8	-6.7	5.6	322.6	999.9	99.9	999.9	15.6	316.
39.6	99.8	11817.5	200.0	-62.0	99.9	212.2	6.3	3.4	5.3	334.6	999.9	99.9	999.9	15.2	321.
42.5	105.3	12648.0	175.0	-60.1	99.9	250.7	9.9	9.3	3.3	350.7	999.9	99.9	999.9	14.5	330.
46.1	111.3	13617.3	150.0	-57.0	99.9	256.8	10.2	10.0	2.3	371.9	999.9	99.9	999.9	13.7	340.
50.3	118.0	14769.4	125.0	-56.7	99.9	264.0	10.3	10.2	1.1	388.7	999.9	99.9	999.9	12.8	351.
55.7	126.0	16173.3	100.0	-60.5	99.9	284.7	6.6	6.4	-1.7	410.9	999.9	99.9	999.9	12.4	2.
62.6	135.0	17973.9	75.0	-59.8	99.9	281.2	7.5	7.4	-1.5	447.6	999.9	99.9	999.9	11.3	17.
72.0	144.7	20517.6	50.0	-58.7	99.9	267.0	3.0	3.0	0.2	505.2	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC, ALABAMA

2 MAY 1978
1122 GMT

106 182. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	180.0	993.9	7.6	-0.6	360.0	1.5	0.0	-1.5	281.3	290.9	3.7	56.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	9.1	337.9	975.0	6.6	-1.8	999.9	999.9	99.9	99.9	281.8	290.9	3.4	54.9	999.9	999.
	11.5	550.7	950.0	5.6	-3.0	999.9	999.9	99.9	99.9	282.8	291.5	3.2	54.0	999.9	999.
1.6	13.8	769.5	925.0	7.3	-5.3	999.9	999.9	99.9	99.9	286.8	294.4	3.8	40.4	999.9	999.
2.3	16.1	995.0	900.0	7.3	-1.6	16.8	6.4	-1.8	-6.1	289.0	299.3	3.8	53.3	1.2	216.
3.1	18.5	1226.3	875.0	5.6	2.3	336.0	6.7	2.7	-6.1	289.6	303.4	5.2	79.3	1.3	207.
3.8	21.0	1463.1	850.0	5.6	-3.4	325.2	7.3	4.2	-6.0	292.0	301.7	3.5	52.1	1.5	197.
4.5	23.4	1707.6	825.0	6.3	-46.1	328.5	8.1	4.2	-6.9	295.3	295.5	0.1	1.0	1.7	186.
5.2	25.9	1959.3	800.0	6.1	-46.2	325.3	10.1	5.7	-8.3	297.7	297.9	0.1	1.0	2.0	182.
5.8	28.5	2219.0	775.0	5.5	-46.5	316.5	11.8	8.1	-8.6	299.7	300.0	0.1	1.0	2.4	176.
6.5	31.0	2486.9	750.0	4.4	-47.2	303.7	13.9	11.6	-7.7	301.4	301.6	0.1	1.0	2.8	167.
7.2	33.7	2761.3	725.0	3.5	-47.8	297.8	17.5	15.5	-8.2	303.3	303.5	0.1	1.0	3.5	156.
8.0	36.3	3044.7	700.0	1.8	-46.8	295.6	19.2	17.4	-8.3	304.5	304.7	0.1	1.0	4.2	148.
8.8	39.1	3336.9	675.0	0.1	-28.0	294.8	20.7	18.8	-8.6	305.8	307.8	0.6	11.8	4.9	143.
9.6	41.9	3636.6	650.0	-2.6	-19.0	294.8	23.1	21.0	-9.7	306.5	312.5	2.0	40.0	5.9	138.
10.4	44.8	3944.4	625.0	-4.3	-17.8	297.3	23.7	21.9	-9.0	307.5	312.2	1.5	34.1	6.9	134.
11.2	47.8	4260.7	600.0	-6.9	-22.4	298.4	24.7	23.2	-8.6	308.2	311.8	1.1	29.8	8.1	131.
12.1	50.8	4585.3	575.0	-9.1	-27.5	299.2	25.8	24.0	-9.3	309.3	311.6	0.7	20.8	9.4	128.
13.0	53.8	4961.9	550.0	-11.5	-25.5	299.8	25.4	23.6	-9.4	310.5	313.3	0.9	30.1	10.7	126.
14.0	56.7	5297.7	525.0	-12.9	-26.7	299.2	26.3	24.4	-9.9	312.9	315.6	0.8	30.5	12.0	124.
15.	59.9	5667.8	500.0	-15.9	-33.2	299.2	26.7	26.6	-10.8	313.7	315.3	0.5	20.9	13.5	123.
15.9	63.1	6052.4	475.0	-18.8	-61.9	299.3	31.5	29.2	-11.9	314.7	314.8	0.0	1.6	15.1	122.
16.9	66.4	6453.6	450.0	-21.2	-63.4	299.4	28.9	26.7	-11.0	316.6	316.7	0.0	1.0	16.9	121.
18.0	69.9	6873.5	425.0	-23.6	-51.3	299.0	32.3	29.5	-13.1	318.5	318.8	0.1	5.9	18.8	120.
19.1	73.3	7314.2	400.0	-26.7	-52.9	299.1	36.8	34.1	-13.8	320.4	320.6	0.1	6.3	21.0	119.
20.3	77.0	7776.5	375.0	-30.2	-47.4	299.5	39.8	38.7	-15.2	321.7	322.2	0.1	16.6	23.8	118.
21.5	80.8	8263.7	350.0	-34.1	-48.0	299.9	38.4	35.6	-14.3	323.8	323.3	0.1	22.6	26.6	118.
22.8	84.8	8775.2	325.0	-38.2	-49.8	299.2	43.3	40.7	-14.9	324.1	324.5	0.1	27.9	29.3	117.
24.2	89.0	9323.8	300.0	-42.4	99.9	299.0	43.7	41.3	-14.2	325.5	999.9	99.9	999.9	33.3	116.
25.6	93.4	9905.3	275.0	-47.7	99.9	299.2	45.4	42.3	-16.4	326.2	999.9	99.9	999.9	36.9	116.
27.2	98.0	10527.7	250.0	-52.6	99.9	299.3	49.6	46.2	-18.1	327.9	999.9	99.9	999.9	41.5	115.
29.1	103.0	11201.0	225.0	-57.7	99.9	299.4	55.6	51.7	-20.3	330.1	999.9	99.9	999.9	47.5	115.
31.4	108.2	11939.6	200.0	-62.4	99.9	999.9	999.9	99.9	99.9	333.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
# BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33001
COLLEGE STATION, TEXAS

2 MAY 1978
1146 GMT

150 28. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	79.0	995.7	21.8	20.1	0.0	0.0	0.0	0.0	295.3	334.3	15.1	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	8.8	260.5	975.0	19.3	17.7	999.9	999.9	99.9	99.9	294.6	328.9	13.2	90.1	999.9	999.
1.4	11.0	484.1	950.0	18.6	17.1	999.9	999.9	99.9	99.9	296.1	330.2	13.0	90.8	999.9	999.
2.4	13.4	713.2	925.0	17.2	15.8	108.2	14.0	-13.3	4.4	297.0	329.3	12.3	91.0	1.9	280.
3.4	15.7	947.6	900.0	16.4	15.0	114.8	17.1	-15.5	7.2	298.5	330.3	12.0	91.0	2.9	284.
4.6	18.1	1187.4	875.0	14.8	13.3	117.3	16.9	-15.0	7.8	299.2	328.9	11.1	90.7	4.2	288.
6.2	20.5	1433.3	850.0	13.7	12.3	120.2	16.2	-14.0	8.2	300.5	329.1	10.6	91.3	5.8	291.
7.8	22.9	1684.6	825.0	11.8	10.2	135.8	12.9	-9.0	9.2	301.0	326.9	9.5	89.9	6.9	293.
8.4	25.4	19 .2	800.0	14.9	-15.1	162.7	10.1	-3.0	9.7	307.0	316.8	3.4	27.7	7.4	296.
9.6	27.9	2. .2.0	775.0	10.1	-36.7	188.5	9.9	1.5	9.8	311.1	311.9	0.2	1.4	7.8	301.
10.5	30.7	2488.6	750.0	13.1	-37.3	200.0	9.0	3.1	8.5	310.9	312.7	0.6	4.4	7.9	305.
11.6	33.4	2772.1	725.0	10.9	-33.4	212.9	7.6	4.1	6.4	311.5	312.6	0.3	2.8	8.1	309.
12.1	36.0	3063.	700.0	9.1	-36.4	230.6	7.1	5.5	4.5	312.6	313.4	0.2	2.3	8.1	313.
14.3	38.8	3362.5	675.0	6.4	-35.0	241.5	8.4	7.4	4.0	312.8	313.8	0.3	3.2	7.9	317.
15.6	41.5	3670.3	650.0	4.4	-42.5	248.9	8.4	7.8	3.0	313.9	314.4	0.1	1.7	7.7	321.
16.9	44.5	3987.8	625.0	2.2	-44.2	249.4	8.8	8.3	3.1	314.9	315.4	0.1	1.7	7.6	326.
18.4	47.6	4315.1	600.0	-0.8	-41.0	257.2	9.6	9.3	2.1	15.2	315.8	0.2	2.9	7.3	332.
19.6	50.7	4652.9	575.0	-3.3	-45.2	259.5	11.1	10.9	2.0	316.1	316.5	0.1	2.2	7.1	339.
21.2	53.8	5002.8	550.0	-5.6	-47.1	270.1	9.1	9.1	-0.0	317.5	317.8	0.1	2.1	7.0	346.
22.6	56.9	5365.1	525.0	-9.2	-44.9	285.5	7.9	7.6	-2.1	317.4	317.8	0.1	3.6	6.7	351.
24.1	60.3	5740.2	500.0	-12.3	-45.0	285.7	9.8	9.8	0.7	318.1	318.6	0.1	4.5	6.6	357.
25.6	63.7	6128.7	475.0	-15.4	-47.6	246.5	14.4	13.2	5.8	318.9	319.3	0.1	4.4	6.9	6.
27.4	67.1	6535.9	450.0	-18.2	-52.2	236.8	17.5	14.6	9.6	320.4	320.6	0.1	3.2	8.1	16.
29.2	70.6	6960.8	425.0	-21.2	-56.6	238.1	18.1	15.4	9.6	321.9	322.0	0.0	2.5	9.6	24.
31.3	74.4	7404.7	400.0	-24.7	-52.2	239.6	19.3	16.6	9.8	322.8	323.1	0.1	5.7	11.7	30.
33.5	78.5	7870.5	375.0	-28.3	-49.4	245.9	21.8	19.9	8.9	324.1	324.6	0.1	11.1	14.0	36.
35.7	82.3	8362.4	350.0	-31.4	-54.2	248.1	23.6	21.9	8.8	326.4	326.6	0.1	8.4	16.6	41.
37.6	86.5	8883.5	325.0	-35.9	-55.7	249.2	25.8	24.2	9.2	327.2	327.4	0.1	10.9	19.4	46.
40.1	91.2	9432.6	300.0	-40.8	99.9	253.1	27.3	26.1	7.9	327.9	999.9	99.9	999.9	22.8	50.
42.5	96.7	10019.0	275.0	-45.3	99.9	256.4	31.4	30.5	7.4	329.7	999.9	99.9	999.9	26.7	54.
45.4	102.7	10645.4	250.0	-49.5	99.9	259.4	36.5	35.8	6.7	332.5	999.9	99.9	999.9	32.0	58.
48.3	106.0	11333.5	225.0	-53.5	99.9	264.6	45.4	45.2	4.3	336.6	999.9	99.9	999.9	38.8	62.
51.7	111.5	12082.5	200.0	-58.9	99.9	267.9	42.6	42.6	1.6	339.5	999.9	99.9	999.9	46.6	66.
55.6	117.7	12912.6	175.0	-63.0	99.9	270.1	36.9	36.9	-0.1	346.0	999.9	99.9	999.9	54.5	70.
58.9	124.7	13852.1	150.0	-67.1	99.9	262.8	46.3	45.9	5.8	354.5	999.9	99.9	999.9	63.6	72.
63.2	131.7	14950.8	125.0	-67.4	99.9	268.6	35.2	35.2	0.9	372.9	999.9	99.9	999.9	75.3	74.
68.2	139.3	16308.6	100.0	-66.6	99.9	268.1	17.3	17.3	0.6	399.1	999.9	99.9	999.9	82.5	75.
75.1	147.3	18050.1	75.0	-63.4	99.9	265.3	8.1	8.1	0.7	440.0	999.9	99.9	999.9	86.7	76.
84.8	156.0	20546.0	50.0	-58.0	99.9	291.8	7.6	7.0	-2.8	506.9	999.9	99.9	999.9	90.2	76.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

2 May 1978

1500 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

2 MAY 1978
1400 GMT

157 25. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.4	7.0	1010.5	23.9	22.0	300.0	1.5	1.3	-0.7	296.2	339.5	16.7	89.0	0.0	0.
0.4	6.3	98.6	1000.0	22.4	21.5	999.9	99.9	99.9	99.9	295.6	338.1	16.5	94.7	999.9	999.
1.3	8.5	319.5	975.0	21.4	20.6	999.9	999.9	99.9	99.9	296.7	338.1	15.9	95.4	999.9	999.
2.2	10.9	544.9	950.0	19.6	18.5	999.9	999.9	99.9	99.9	297.1	338.4	14.3	93.2	0.2	125.
3.0	13.2	774.8	925.0	18.1	16.7	263.4	1.9	1.9	0.0	297.9	339.4	13.1	91.5	0.2	119.
3.9	15.5	1009.8	900.0	16.8	15.4	245.2	3.8	3.4	1.6	298.8	339.5	12.3	91.4	0.4	102.
4.8	17.9	1250.0	875.0	15.2	13.7	230.8	6.0	4.7	3.8	299.6	339.9	11.3	90.4	0.6	81.
5.9	20.4	1495.9	850.0	13.6	12.1	239.1	8.0	6.9	4.1	300.4	339.8	10.6	91.0	1.0	69.
7.2	22.8	1747.3	825.0	12.2	8.4	237.5	8.3	7.0	4.4	301.5	339.7	8.5	77.5	1.7	65.
8.2	25.3	2005.6	800.0	12.7	1.4	240.5	8.1	7.0	4.0	304.7	342.0	5.4	47.2	2.2	64.
9.1	27.8	2272.0	775.0	12.0	-5.0	250.8	6.9	6.5	2.3	306.7	343.7	3.4	30.1	2.6	64.
10.0	30.4	2545.6	750.0	10.6	-12.1	253.1	6.7	6.4	2.0	308.0	344.5	2.1	19.8	2.9	65.
10.8	33.0	2826.6	725.0	8.9	-43.6	251.9	7.2	6.8	2.2	309.2	345.0	0.1	1.1	3.2	66.
11.7	35.6	3116.0	700.0	7.9	-45.1	262.8	8.1	8.1	1.0	311.2	346.4	0.1	1.0	3.7	67.
12.8	38.3	3414.4	675.0	5.9	-46.3	275.7	8.9	8.8	-0.9	312.3	346.6	0.1	1.0	4.2	70.
13.8	41.1	3721.5	650.0	3.5	-47.8	277.3	10.6	10.5	-1.3	313.0	346.7	0.1	1.0	4.6	73.
14.8	43.9	4037.5	625.0	0.5	-32.9	277.0	11.6	11.5	-1.4	313.0	346.3	0.4	6.3	5.3	76.
16.1	46.8	4363.8	600.0	-2.5	-30.2	278.1	12.5	12.4	-1.8	313.3	346.5	0.5	9.7	6.1	79.
17.3	49.8	4698.7	575.0	-5.1	-29.2	285.4	16.5	15.9	-4.4	314.0	346.9	0.6	13.0	7.1	82.
18.5	52.8	5046.4	550.0	-7.5	-19.7	291.4	21.1	19.6	-7.7	315.2	347.4	1.6	41.2	8.4	86.
19.8	55.9	5405.5	525.0	-10.7	-17.6	291.2	23.1	21.5	-8.4	315.5	347.5	1.8	56.7	10.0	91.
21.1	59.0	5780.8	500.0	-12.7	-21.0	289.8	24.6	23.2	-8.3	317.6	348.4	1.4	49.8	11.9	94.
22.5	62.3	6171.0	475.0	-14.8	-22.2	294.2	23.8	21.7	-9.7	319.7	349.1	1.3	52.7	13.7	95.
24.0	65.5	6578.2	450.0	-17.7	-29.9	296.3	24.6	22.1	-10.6	320.9	349.4	0.7	33.5	15.7	99.
25.6	69.0	7003.5	425.0	-19.7	-46.4	294.3	24.5	22.4	-10.0	323.7	349.4	0.1	7.2	18.0	101.
27.3	72.6	7450.5	400.0	-23.1	-38.7	284.8	28.1	27.1	-7.7	325.9	349.3	0.3	22.4	20.6	102.
28.9	76.3	7920.4	375.0	-26.4	-43.0	282.4	27.4	26.8	-5.9	326.7	349.5	0.2	19.1	23.4	102.
30.7	80.2	8415.0	350.0	-30.4	-48.5	284.8	27.4	26.5	-7.0	327.8	349.6	0.1	15.0	26.2	102.
32.5	84.2	8937.0	325.0	-35.0	-47.4	287.1	29.6	28.3	-8.7	328.5	349.1	0.2	26.6	29.2	103.
34.1	88.3	9490.7	300.0	-39.2	99.9	278.5	26.8	26.5	-4.1	330.1	999.9	99.9	999.9	32.2	103.
36.2	92.8	10080.3	275.0	-44.3	99.9	278.8	30.8	30.5	-4.7	331.1	999.9	99.9	999.9	35.8	102.
38.3	97.6	10712.0	250.0	-48.8	99.9	286.8	36.3	34.8	-10.5	333.5	999.9	99.9	999.9	40.1	102.
40.6	102.6	11397.9	225.0	-53.5	99.9	290.2	37.8	35.5	-13.0	336.6	999.9	99.9	999.9	45.2	103.
43.3	107.8	12148.5	200.0	-57.4	99.9	287.2	44.5	42.5	-13.7	341.9	999.9	99.9	999.9	51.6	104.
46.2	113.6	12983.0	175.0	-61.6	99.9	282.2	55.6	54.4	-11.5	348.2	999.9	99.9	999.9	60.4	104.
49.4	120.0	13924.1	150.0	-65.5	99.9	278.0	64.3	63.6	-8.9	357.3	999.9	99.9	999.9	72.0	103.
53.2	127.0	15024.8	125.0	-67.3	99.9	284.9	40.4**	39.1	-10.4	373.1	999.9	99.9	999.9	84.5	103.
57.7	134.3	16373.1	100.0	-66.2	99.9	281.6	26.5*	26.0	-5.3	399.8	999.9	99.9	999.9	93.4	103.
63.5	143.0	18128.9	75.0	-65.3	99.9	272.2	13.5*	13.5	-0.9	436.0	999.9	99.9	999.9	98.9	102.
72.0	152.0	20639.5	50.0	-58.4	99.9	266.1	5.2	5.2	0.4	506.0	999.9	99.9	999.9	102.8	102.
84.8	161.0	25112.0	25.0	-47.7	99.9	999.9	99.9	99.9	99.9	647.6	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

2 MAY 1978
1415 GMT

156 16. 8

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.2	1.0	1009.1	23.4	22.6	110.0	3.6	-3.4	1.2	295.8	340.6	17.4	95.0	0.0	0.
0.3	4.9	80.4	1000.0	22.6	21.8	122.1	6.3	-5.3	3.3	295.7	339.0	16.7	95.6	0.2	295.
1.0	6.8	301.6	975.0	21.8	21.0	143.9	6.2	-3.7	5.0	297.1	339.6	16.3	95.0	0.5	297.
1.5	8.9	527.8	950.0	20.6	19.5	169.6	7.1	-1.3	7.0	298.1	338.1	15.3	94.0	0.7	315.
2.7	10.9	758.6	925.0	19.4	18.1	172.9	7.5	-0.9	7.4	299.1	336.8	14.3	92.1	1.0	328.
3.7	13.5	994.8	900.0	17.9	16.7	171.6	7.9	-1.1	7.8	300.0	335.8	13.5	92.8	1.5	336.
4.6	15.4	1236.4	875.0	16.7	15.6	170.1	7.4	-1.3	7.3	301.2	335.8	12.9	93.2	1.9	339.
5.5	17.5	1483.9	850.0	16.3	12.0	193.0	6.0	1.3	5.8	303.2	331.7	10.5	75.7	2.2	341.
6.5	19.9	1738.[illegible]	825.0	16.5	8.8	222.2	5.[illegible]	3.7	4.1	306.0	330.1	8.7	60.3	2.4	347.
7.4	22.2	2000.2	800.0	14.2	7.7	233.1	5.0	4.0	3.0	306.3	329.4	8.3	64.6	2.6	353.
8.5	24.6	2267.7	775.0	11.7	6.4	231.1	4.7	3.7	3.0	306.4	328.3	7.8	69.8	2.7	358.
9.5	27.0	2541.3	750.0	9.6	-1.0	228.7	4.8	3.0	2.6	307.0	320.8	4.8	47.7	2.9	2.
10.5	29.5	2822.9	725.0	10.1	-19.5	242.9	5.0	4.4	2.3	310.6	314.3	1.2	11.2	3.1	6.
11.5	32.1	3114.1	700.0	9.5	-44.1	246.8	7.2	6.6	2.8	313.0	313.4	0.1	1.0	3.3	12.
12.6	34.7	3414.1	675.0	7.3	-45.5	240.3	8.3	7.2	4.1	313.8	314.1	0.1	1.0	3.6	19.
13.6	37.2	3722.5	650.0	4.4	-37.1	242.2	9.2	8.2	4.3	313.9	314.8	0.2	3.0	4.1	24.
15.3	40.0	4040.0	625.0	2.2	-17.6	258.5	11.5	11.3	2.3	315.0	319.9	1.5	21.4	4.6	30.
16.2	42.7	4368.2	600.0	-0.6	-13.2	266.5	14.2	14.2	0.9	315.4	322.6	2.3	37.9	5.3	39.
17.4	45.8	4706.4	575.0	-3.7	-19.2	266.8	15.1	15.1	0.9	315.7	320.4	1.5	29.0	6.0	47.
18.7	48.6	5055.8	550.0	-6.1	-26.7	265.6	16.0	15.9	1.2	316.8	319.4	0.8	17.7	7.0	53.
20.1	51.6	5417.6	525.0	-9.6	-25.4	269.6	15.7	15.7	0.1	316.9	320.0	0.9	26.2	8.1	58.
21.4	54.9	5792.4	500.0	-12.0	-40.1	274.5	16.0	15.9	-1.2	318.4	319.3	0.2	7.6	9.2	63.
23.1	58.0	6182.9	475.0	-14.8	-38.0	269.8	17.6	17.6	0.0	319.7	320.8	0.3	11.7	10.6	67.
24.6	61.4	6589.7	450.0	-18.3	-29.7	272.3	17.9	17.9	-0.7	320.2	322.9	0.8	39.6	12.2	70.
26.3	65.0	7014.1	425.0	-21.0	-40.5	278.0	18.4	18.2	-2.6	322.0	323.0	0.3	15.4	13.8	73.
28.0	68.6	7459.2	400.0	-24.0	-34.0	273.0	20.8	20.7	-1.1	323.8	325.7	0.5	38.8	15.7	76.
29.8	72.2	7928.6	375.0	-26.2	-66.7	269.1	21.5	21.5	0.3	326.9	327.0	0.0	1.0	17.9	78.
31.6	76.2	8423.5	350.0	-30.5	-53.0	266.2	21.8	21.8	1.5	327.6	327.9	0.1	9.2	20.2	79.
33.3	80.1	8946.5	325.0	-34.3	-69.8	268.3	21.7	21.7	0.7	329.5	329.5	0.0	1.4	22.4	80.
35.3	84.4	9500.7	300.0	-39.2	-75.2	277.0	23.3	23.1	-2.8	330.2	330.2	0.0	1.0	24.9	81.
37.2	88.8	10091.3	275.0	-44.0	99.9	284.5	26.0	25.1	-6.5	331.6	999.9	99.9	999.9	27.6	83.
39.4	93.8	10724.6	250.0	-47.9	99.9	285.6	35.4	34.1	-9.6	334.8	999.9	99.9	999.9	31.2	86.
41.8	99.8	11413.8	225.0	-52.1	99.9	284.9	42.8	41.3	-11.0	338.6	999.9	99.9	999.9	36.8	89.
44.4	106.4	12165.9	200.0	-56.5	99.9	279.3	54.0	53.3	-8.7	340.1	999.9	99.9	999.9	43.8	91.
47.1	113.3	12993.6	175.0	-64.3	99.9	272.0	51.9	51.9	-1.8	343.8	999.9	99.9	999.9	52.9	92.
50.3	121.7	13929.1	150.0	-66.6	99.9	267.4	58.4	58.4	2.6	355.4	999.9	99.9	999.9	63.0	91.
53.7	131.0	15025.9	125.0	-69.0	99.9	276.4	41.0	40.7	-4.6	370.0	999.9	99.9	999.9	74.1	91.
58.1	142.0	16301.0	100.0	-67.0	99.9	278.7	21.7	21.4	-3.3	398.4	999.9	99.9	999.9	81.9	92.
63.5	140.0	18101.2	75.0	-63.1	99.9	272.8	9.3	9.3	-0.5	440.7	999.9	99.9	999.9	86.4	92.
71.6	148.3	20624.0	50.0	-57.4	99.9	298.6	6.1	5.4	-2.9	508.4	999.9	99.9	999.9	89.3	92.
84.2	156.3	25096.0	25.0	-46.9	99.9	41.8	2.6	-1.7	-1.9	650.2	999.9	99.9	999.9	89.8	92.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

2 MAY 1978
1400 GMT

132 63. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.5	100.0	1001.1	13.9	9.1	60.0	5.1	-4.4	-2.5	287.0	305.9	7.3	73.0	0.3	0.
0.3	6.6	109.3	1000.0	13.9	8.8	58.2	5.4	-4.6	-2.8	287.0	305.5	7.1	71.5	0.0	342.
0.9	8.4	322.5	975.0	12.3	6.2	46.1	7.8	-5.9	-5.1	287.6	303.6	6.1	66.1	0.4	228.
1.5	10.3	540.1	950.0	11.6	6.4	54.2	9.5	-7.7	-5.6	289.0	308.4	7.4	80.9	0.7	233.
2.4	12.3	765.1	925.0	13.7	12.7	62.7	7.7	-6.9	-3.5	294.3	320.9	10.1	88.3	1.2	232.
3.3	14.4	997.7	900.0	14.5	14.3	91.0	3.3	-3.3	0.1	296.5	326.7	11.5	98.4	1.5	236.
4.2	16.5	1237.2	875.0	15.4	14.7	243.3	1.1	1.0	0.5	299.8	332.2	12.1	95.6	1.6	239.
5.0	18.6	1483.7	850.0	14.6	12.4	310.0	2.6	2.0	-1.7	301.6	330.6	10.7	85.7	1.5	236.
5.9	20.7	1736.2	825.0	13.3	9.6	305.4	4.1	3.4	-2.4	302.7	327.7	9.1	78.0	1.5	229.
6.8	22.9	1994.8	800.0	11.5	8.1	286.2	5.0	4.8	-1.4	303.4	327.0	8.5	79.8	1.4	219.
7.7	25.1	2259.8	775.0	9.6	8.2	269.6	6.4	6.4	0.0	304.2	328.6	8.9	90.7	1.3	208.
8.6	27.4	2531.4	750.0	8.9	8.2	258.9	7.1	6.9	1.4	304.1	326.3	8.0	95.2	1.1	193.
9.5	29.7	2810.8	725.0	7.3	-4.2	258.7	8.4	8.2	1.6	307.5	319.0	3.9	44.2	1.0	173.
10.6	32.1	3099.0	700.0	6.5	-30.5	261.0	11.0	10.9	1.7	309.7	311.2	0.5	5.3	1.2	139.
11.8	34.5	3396.0	675.0	4.4	-42.1	259.0	12.0	11.8	2.3	310.6	311.1	0.2	2.0	1.7	116.
12.9	36.9	3701.6	650.0	2.2	-23.7	259.8	11.0	10.8	2.0	311.5	314.3	0.9	12.7	2.4	105.
14.0	39.5	4016.8	625.0	-0.4	-15.7	265.9	11.1	11.0	0.8	312.0	317.7	1.8	30.8	3.1	100.
15.1	42.1	4341.8	600.0	-3.1	-13.1	263.3	13.6	13.5	1.6	312.5	319.7	2.3	45.8	4.0	96.
16.2	44.8	4677.0	575.0	-5.9	-18.5	259.3	16.2	15.9	3.0	313.1	318.0	1.6	36.4	5.1	93.
17.2	47.4	5023.6	550.0	-8.6	-33.9	261.5	18.9	18.7	2.8	313.9	315.3	0.4	11.4	6.3	90.
18.1	50.1	5382.3	525.0	-11.2	-13.6	266.3	19.5	19.4	1.3	315.0	320.3	1.7	54.0	7.8	89.
19.1	53.0	5755.4	500.0	-13.7	-20.3	271.1	19.5	19.5	-0.4	316.4	321.3	1.5	57.1	9.5	89.
22.0	56.0	6143.7	475.0	-15.7	-25.9	273.1	21.8	21.8	-1.2	318.5	321.7	1.0	41.1	11.3	90.
23.4	59.0	6549.2	450.0	-18.7	-27.8	275.1	24.2	24.1	-2.2	319.7	322.6	0.9	44.4	13.3	90.
25.0	62.3	6972.3	425.0	-22.3	-29.5	276.3	25.2	25.0	-2.8	320.5	323.1	0.8	51.6	15.6	91.
26.7	65.5	7415.7	400.0	-25.1	-31.4	279.5	25.9	25.5	-4.3	322.4	324.8	0.7	55.6	18.0	92.
28.5	68.9	7881.2	375.0	-28.5	-35.4	281.2	26.7	26.2	-5.2	323.9	325.6	0.5	51.3	20.6	93.
30.5	72.4	8371.5	350.0	-32.7	-39.5	280.1	25.5	25.1	-4.5	324.7	325.9	0.3	50.1	23.3	94.
31.6	76.1	8886.7	325.0	-36.6	-45.7	277.5	28.4	28.1	-3.7	326.3	327.0	0.2	37.9	26.2	95.
33.6	80.0	9446.0	300.0	-40.5	99.9	278.0	28.2	28.0	-3.9	328.3	999.9	99.9	999.9	29.3	95.
35.6	84.0	10026.1	275.0	-45.6	99.9	278.8	30.8	30.4	-4.7	329.2	999.9	99.9	999.9	32.8	95.
37.8	88.4	10654.1	250.0	-50.6	99.9	279.7	36.4	35.9	-6.1	330.5	999.9	99.9	999.9	37.2	96.
40.2	93.0	11333.4	225.0	-55.3	99.9	279.8	43.2	42.6	-7.4	333.7	999.9	99.9	999.9	42.9	96.
42.7	98.0	12077.6	200.0	-60.3	99.9	284.1	45.2	43.9	-11.0	337.3	999.9	99.9	999.9	49.6	97.
45.4	103.3	12932.2	175.0	-64.4	99.9	281.7	36.9	36.1	-7.5	343.7	999.9	99.9	999.9	56.0	98.
48.2	109.3	13831.3	150.0	-69.7	99.9	273.1	43.4	43.3	-2.4	350.0	999.9	99.9	999.9	62.5	98.
52.0	115.9	14951.2	125.0	-66.0	99.9	279.6	37.7	37.2	-6.3	375.4	999.9	99.9	999.9	73.8	98.
56.3	123.3	16204.8	100.0	-66.2	99.9	272.6	18.4	18.4	-0.8	399.9	999.9	99.9	999.9	79.6	96.
61.7	132.3	18036.9	75.0	-64.4	99.9	999.9	999.9	99.9	99.9	437.9	999.9	99.9	999.9	84.2	97.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

2 MAY 1978
1400 GMT

146 36. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.7	5.0	1007.3	18.9	15.6	40.0	7.7	-4.9	-5.9	291.5	320.2	11.1	81.0	0.0	0.
0.3	6.3	67.8	1000.0	19.2	15.2	48.0	12.7	-9.5	-8.5	292.4	320.7	10.9	77.5	0.4	230.
1.0	8.3	265.1	975.0	16.7	14.5	61.8	11.8	-10.4	-5.5	292.0	319.8	10.8	86.9	0.8	230.
1.9	10.5	508.2	950.0	19.4	18.3	93.8	10.6	-10.6	0.7	296.9	333.9	14.2	93.5	1.3	243.
2.7	12.7	738.4	925.0	18.6	17.2	118.1	9.9	-8.8	4.7	298.3	334.0	13.6	92.1	1.7	255.
3.8	14.9	973.9	900.0	18.1	16.6	124.7	10.0	-8.2	5.7	300.2	335.8	13.4	91.3	2.1	268.
4.5	17.1	1215.3	875.0	16.0	14.7	127.6	10.3	-8.1	6.3	300.4	332.8	12.1	91.9	2.6	274.
5.5	19.4	1462.2	850.0	15.9	10.5	159.0	9.0	-3.2	8.4	302.8	328.7	9.5	70.6	2.9	281.
6.4	21.7	1717.2	825.0	16.4	8.7	178.7	10.2	-0.2	10.2	305.9	330.0	8.6	60.4	3.2	293.
7.4	24.0	1978.5	800.0	14.4	6.6	191.4	11.0	2.2	10.8	306.5	328.1	7.7	59.6	3.3	301.
8.4	26.5	2246.8	775.0	13.4	4.9	187.0	10.9	1.3	10.9	308.2	328.3	7.1	56.4	3.6	311.
9.5	28.9	2522.0	750.0	13.0	-7.1	181.7	12.2	0.4	12.2	310.8	319.8	3.0	24.2	4.1	319.
10.5	31.3	2805.2	725.0	11.3	-33.0	188.0	13.6	1.9	13.5	311.8	313.1	0.4	3.3	4.7	326.
11.8	33.9	3097.3	700.0	10.3	-43.6	206.2	13.6	6.0	12.2	313.8	314.3	0.1	1.0	5.4	334.
13.0	36.4	3398.3	675.0	7.8	-43.3	211.3	14.1	7.3	12.0	314.4	317.4	0.9	9.1	6.0	342.
14.2	39.0	3707.5	650.0	5.1	-16.2	215.1	13.8	8.0	11.3	314.7	320.0	1.7	19.7	6.7	349.
15.4	41.6	4026.2	625.0	2.2	-20.5	217.9	15.2	9.4	12.0	315.0	319.2	1.3	17.9	7.5	355.
16.5	44.3	4354.3	600.0	0.0	-49.9	228.1	15.4	11.5	10.3	316.2	316.4	0.1	1.0	8.3	1.
18.0	47.1	4693.1	575.0	-2.6	-51.6	235.4	14.6	12.0	8.3	316.9	317.1	0.1	1.0	9.1	7.
19.5	50.0	5043.5	550.0	-5.3	-53.3	245.1	13.6	12.3	5.7	317.8	318.0	0.0	1.0	9.8	13.
20.7	52.9	5406.8	525.0	-8.2	-55.1	253.3	14.4	13.8	4.1	318.6	318.8	0.0	1.0	10.5	17.
22.1	55.9	5783.5	500.0	-11.1	-56.9	258.9	14.9	14.6	2.9	319.6	319.7	0.0	1.0	11.1	23.
23.6	59.0	6174.5	475.0	-14.6	-59.2	251.5	15.4	14.6	4.9	319.9	320.0	0.0	1.0	11.9	28.
25.1	62.3	6582.0	450.0	-17.5	-61.1	247.9	14.6	13.5	5.5	321.2	321.3	0.0	1.0	13.0	32.
26.7	65.6	7006.8	425.0	-21.1	-63.4	250.2	14.8	13.9	5.0	321.9	322.0	0.0	1.0	14.1	35.
28.4	69.0	7451.2	400.0	-24.8	-65.8	254.0	16.9	16.3	4.7	322.7	322.8	0.0	1.0	15.5	39.
30.3	72.6	7918.4	375.0	-27.4	-67.5	260.3	20.2	19.9	3.4	325.3	325.4	0.0	1.0	17.1	43.
32.1	76.3	8411.9	350.0	-30.6	-69.6	259.1	20.9	20.5	4.0	327.5	327.5	0.0	1.0	19.0	47.
34.2	80.2	8934.3	325.0	-34.5	-72.1	259.9	22.8	22.4	4.0	329.2	329.2	0.0	1.0	21.4	51.
36.3	84.2	9488.6	300.0	-38.5	-74.8	265.3	24.7	24.6	2.0	331.1	331.1	0.0	1.0	24.0	55.
38.4	88.5	10080.8	275.0	-42.9	99.9	270.1	31.3	31.3	-0.1	333.1	999.9	99.9	999.9	27.0	59.
40.7	93.0	10718.5	250.0	-46.9	99.9	274.1	39.6	39.5	-2.9	336.4	999.9	99.9	999.9	31.1	64.
43.1	97.8	11409.0	225.0	-52.0	99.9	276.3	43.7	43.4	-4.8	338.8	999.9	99.9	999.9	36.4	69.
45.8	103.0	12162.2	200.0	-57.8	99.9	273.6	41.0	40.9	-2.6	341.2	999.9	99.9	999.9	42.3	73.
48.8	108.8	12993.1	175.0	-63.2	99.9	269.8	39.9	39.9	0.2	345.7	999.9	99.9	999.9	49.5	76.
51.8	114.8	13930.3	150.0	-67.8	99.9	264.6	43.9	43.7	4.1	353.4	999.9	99.9	999.9	57.3	77.
55.4	121.3	15022.1	125.0	-69.4	99.9	267.0	40.2	40.2	2.1	369.3	999.9	99.9	999.9	66.6	78.
59.2	128.7	16372.0	100.0	-63.7	99.9	266.4	22.0	21.9	1.4	404.6	999.9	99.9	999.9	74.2	79.
65.1	136.7	18120.8	75.0	-65.3	99.9	275.7	10.7	10.7	-1.1	436.0	999.9	99.9	999.9	78.5	79.
72.5	145.0	20629.5	50.0	-57.3	99.9	999.9	999.9	99.9	99.9	508.4	999.9	99.9	999.9	81.5	80.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

2 MAY 1978
1400 GMT

162 22. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.6	124.0	997.5	12.2	6.9	40.0	7.7	-4.9	-5.9	285.6	301.8	6.3	70.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.6	314.4	975.0	9.7	6.0	68.1	10.5	-9.8	-3.9	284.9	300.5	6.0	77.6	0.2	246.
1.2	10.6	529.8	950.0	8.3	6.4	77.7	13.7	-13.4	-2.9	285.6	302.1	6.4	88.0	0.7	248.
2.0	12.6	752.4	925.0	12.7	11.9	96.3	15.9	-15.8	1.8	292.3	317.2	9.6	95.5	1.4	259.
2.9	14.7	984.1	900.0	14.4	13.4	112.0	12.5	-11.6	4.7	296.4	324.9	10.8	93.2	2.1	269.
3.7	16.8	1223.1	875.0	14.6	13.7	121.1	9.6	-8.2	5.0	299.0	326.3	11.4	94.3	2.6	274.
4.6	18.9	1468.4	850.0	13.6	12.3	127.8	8.2	-6.5	5.0	300.4	329.0	10.6	91.5	3.0	278.
5.5	21.1	1720.6	825.0	13.1	10.2	136.8	7.4	-5.0	5.4	302.5	328.6	9.6	82.7	3.4	283.
6.4	23.3	1979.3	800.0	11.3	8.9	125.5	7.0	-5.7	4.1	303.2	328.0	9.0	85.4	3.7	286.
7.4	25.5	2244.2	775.0	9.3	6.9	104.1	6.5	-6.3	1.6	303.9	326.3	8.1	84.6	4.1	286.
8.4	27.6	2516.2	750.0	8.4	1.2	116.1	5.7	-5.1	2.5	305.7	321.7	5.6	60.5	4.4	286.
9.3	30.3	2796.5	725.0	8.4	-10.7	168.1	5.7	-1.2	5.6	308.7	316.0	2.4	25.6	4.7	288.
10.4	32.7	3085.8	700.0	7.0	-6.2	201.1	8.7	3.1	8.1	310.2	319.2	3.0	33.3	4.7	293.
11.4	35.2	3383.5	675.0	5.0	-22.1	212.7	10.2	5.5	8.5	311.2	314.4	1.0	12.0	4.7	300.
12.4	37.8	3689.6	650.0	2.4	-28.1	219.5	9.8	6.2	7.6	311.7	313.6	0.6	8.3	4.7	308.
13.5	40.5	4005.0	625.0	-0.0	-25.2	228.2	9.2	6.9	6.2	312.5	315.0	0.8	12.9	4.7	316.
14.7	43.2	4330.2	600.0	-2.4	-20.9	247.6	6.9	6.2	3.4	313.4	317.5	1.3	24.5	4.6	323.
15.8	46.0	4666.6	575.0	-4.3	-17.3	249.4	10.1	9.4	3.5	315.0	320.4	1.7	35.2	4.4	331.
17.0	48.9	5013.3	550.0	-6.8	-23.0	242.5	12.0	10.7	5.5	316.0	319.6	1.1	26.0	4.5	341.
18.1	51.9	5376.6	525.0	-9.8	-24.9	240.7	13.7	12.0	6.7	316.7	319.9	1.0	27.8	4.7	352.
19.3	54.9	5756.6	500.0	-13.1	-23.2	239.5	14.4	12.4	7.3	317.1	321.0	1.2	42.2	5.2	3.
20.7	58.1	6160.2	475.0	-15.4	-20.8	242.5	15.4	13.7	7.1	318.9	321.9	0.9	36.7	5.9	13.
22.1	61.4	6586.1	450.0	-18.5	-23.4	248.0	17.5	16.2	6.5	319.9	321.7	0.5	25.6	6.8	22.
23.7	64.9	6970.7	425.0	-21.0	-26.4	246.5	20.0	18.4	8.0	322.1	322.6	0.1	8.1	8.2	31.
25.1	68.4	7415.7	400.0	-24.7	-35.3	247.8	20.5	19.0	7.7	322.9	324.5	0.3	37.2	9.6	37.
26.7	72.2	7881.1	375.0	-28.7	-36.7	252.4	22.1	21.0	6.7	323.6	325.1	0.4	45.6	11.3	43.
28.4	76.2	8371.8	350.0	-32.2	-43.6	255.7	24.5	23.7	6.0	325.4	326.2	0.2	30.8	13.4	48.
30.1	80.3	8890.3	325.0	-36.3	-45.9	257.4	26.1	25.4	5.7	326.7	327.4	0.2	35.8	15.8	52.
32.0	84.7	9441.2	300.0	-43.2	99.9	263.5	26.0	25.8	2.9	328.8	999.9	99.9	999.9	18.4	57.
33.8	89.2	10029.0	275.0	-45.0	99.9	263.9	27.8	27.6	3.0	330.0	999.9	99.9	999.9	21.0	60.
35.9	94.2	10658.8	250.0	-50.0	99.9	264.3	32.5	32.3	3.2	331.8	999.9	99.9	999.9	24.4	64.
38.2	99.5	11340.4	225.0	-54.5	99.9	264.2	40.6	40.4	4.1	335.0	999.9	99.9	999.9	29.2	67.
40.5	105.3	12096.1	200.0	-59.9	99.9	268.0	46.3	46.3	1.6	338.0	999.9	99.9	999.9	35.1	70.
43.2	111.5	12919.1	175.0	-64.7	99.9	270.5	47.5	47.5	-0.4	343.2	999.9	99.9	999.9	42.4	74.
46.3	118.5	13845.5	150.0	-67.4	99.9	260.2	40.5	39.9	6.9	354.0	999.9	99.9	999.9	50.1	76.
50.0	126.3	14948.7	125.0	-63.3	99.9	270.1	31.1	31.1	-0.0	380.3	999.9	99.9	999.9	59.0	77.
54.2	134.7	16317.4	100.0	-64.2	99.9	267.0	18.1	18.1	0.9	403.8	999.9	99.9	999.9	64.3	78.
56.8	144.3	18084.6	75.0	-60.8	99.9	258.9	6.5	6.4	1.3	445.4	999.9	99.9	999.9	68.0	79.
67.4	155.0	20589.9	50.0	-69.4	99.9	298.1	5.7	5.0	-2.7	501.2	999.9	99.9	999.9	70.2	79.
79.1	165.7	25051.3	25.0	-49.2	99.9	999.9	99.9	99.9	99.9	643.7	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

2 MAY 1978
1500 GMT

154 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.1	33.0	999.7	24.2	22..	80.0	7.1	-7.0	-1.2	297.4	341.7	17.0	88.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.2	252.3	975.0	22.1	20.9	93.4	9.3	-9.3	0.5	297.4	339.6	16.2	92.9	0.4	270.
1.4	10.3	478.4	950.0	20.4	19.2	100.5	9.7	-9.5	2.1	297.9	337.1	15.0	93.0	0.8	273.
2.3	12.4	709.1	925.0	18.9	17.6	120.0	8.7	-7.5	4.4	298.6	335.1	13.8	92.0	1.3	279.
3.3	14.6	945.0	900.0	17.8	16.6	134.3	7.3	-5.2	5.1	299.9	335.3	13.3	92.4	1.7	288.
4.3	16.8	1186.5	875.0	16.5	15.3	130.9	8.8	-6.0	6.4	300.9	334.7	12.6	92.6	2.1	293.
5.5	19.1	1433.6	850.0	15.2	13.9	159.4	10.2	-5.2	8.7	302.1	334.0	11.8	91.1	2.8	301.
6.4	21.4	1687.1	825.0	13.7	-.7	161.8	11.0	-3.4	10.5	309.5	310.1	0.2	1.0	3.2	306.
7.3	23.6	1950.8	800.0	12.5	-.8	171.9	13.3	-1.9	13.2	310.9	313.9	1.0	5.8	3.7	312.
8.0	26.0	2221.1	775.0	16.5	-.3	178.4	14.5	-0.3	14.5	311.6	314.5	0.9	5.9	4.2	318.
9.0	28.4	2498.7	750.0	15..	-40.7	187.0	12.7	1.6	12.6	312.9	313.4	0.1	1.0	4.8	325.
10.0	30.9	2783.9	725.0	13..	-41.6	182.1	11.7	0.4	11.7	314.3	314.8	0.1	1.0	5.4	330.
11.0	33.3	3077.7	700.0	11..	-42.	185.8	10.4	1.1	10.3	315.3	315.7	0.1	1.0	5.9	334.
12.1	35.9	3379..	675.0	8..	-.. 4	192.4	12.1	2.6	11.8	315.7	316.1	0.1	1.0	6.5	337.
13.2	38.4	3690.1	650.0	7.3	-..	193.8	13.0	3.1	12.6	316.1	316.5	0.1	1.0	7.3	341.
14.6	41.1	4009.5	625.0	-..	-47..	189.7	13.2	2.2	13.0	316.3	316.6	0.1	1.0	8.1	345.
15.7	43.7	4338..	600.0	0.	-47.6	189.5	14.2	2.4	14.0	316.7	317.0	0.1	1.0	9.0	347.
16.9	46.3	4677.7	575.0	-4..	-46.9	197.1	12.1	3.6	11.6	316.9	317.4	0.1	2.2	9.9	350.
18.1	49.1	5028.2	550.0	-9..	-37.4	205.4	12.1	5.2	11.0	318.0	319.1	0.3	6.5	10.7	352.
19.4	52.0	5391.3	525.0	-..	-21.2	215.1	12.1	7.0	9.9	318.5	322.9	1.3	34.3	11.4	355.
20.8	55..	5767.3	500.0	-..	-20.3	217.5	12.3	7.5	9.8	318.1	323.0	1.5	50.9	12.1	358.
22.2	58.1	6157.1	475.0	-1..	-.1.0	217.0	15.7	9.5	12.6	318.4	323.2	1.5	64.3	13.1	2.
23.5	61.1	6563.7	450.0	-4..	-5.8	226.3	17.9	12.9	12.3	321.7	321.8	0.0	1.0	14.1	5.
24.9	64.3	6990.3	425.0	-19.5	-62.3	232.8	19.9	15.9	12.0	324.0	324.1	0.0	1.0	15.3	9.
26.4	67.6	7437.7	400.0	-24.0	-64.6	233.1	19.0	15.4	11.2	325.1	325.1	0.0	1.0	16.7	14.
28.0	71.1	7908.2	375.0	-28.4	-66.2	240.5	20.0	17.4	9.8	328.0	328.0	0.0	1.0	17.9	17.
29.5	74.7	8404.4	350.0	-29.7	-68.9	244.6	22.0	19.9	9.5	328.8	328.8	0.0	1.0	19.4	21.
31.3	78.4	8929.0	325.0	-33.5	-71.4	251.4	24.5	23.2	7.8	330.6	330.6	0.0	1.0	21.1	26.
33.1	82.3	9487.0	300.0	-36.7	-73.6	257.4	31.5	30.9	6.9	333.6	333.6	0.0	1.0	23.1	32.
34.9	86.5	10084.2	275.0	-40.6	99.9	259.6	41..	40.8	7.5	336.4	999.9	99.9	999.9	26.1	38.
36.9	90.8	10727.4	250.0	-44.9	99.9	258.5	51.9	50.8	10.4	339.4	999.9	99.9	999.9	30.5	45.
38.9	95.4	11423.2	225.0	-50.6	99.9	251.4	50.3	49.9	10.2	340.9	999.9	99.9	999.9	36.0	51.
41.2	100.4	12179.1	200.0	-57.1	99.9	261.6	44.4	43.9	6.5	342.3	999.9	99.9	999.9	41.8	55.
43.5	105.8	13013.2	175.0	-63.1	99.9	263.5	35.9	35.7	4.0	345.8	999.9	99.9	999.9	46.7	58.
46.1	111.8	13950.2	150.0	-66.7	99.9	257.9	39.6	38.7	8.3	351.8	999.9	99.9	999.9	51.6	61.
49.0	118.3	15031.8	125.0	-70.6	99.9	261.4	44.2	43.7	6.6	367.1	999.9	99.9	999.9	60.0	63.
52.3	125.7	16365.4	100.0	-66.2	99.9	256.1	24.5	24.0	5.0	399.8	999.9	99.9	999.9	66.7	65.
56.9	134.3	18113.4	75.0	-65.1	99.9	253.2	9.8	9.3	2.8	436.5	999.9	99.9	999.9	70.3	65.
62.7	144.9	20601.7	50.0	-53.6	99.9	283.1	6.0	5.8	-1.4	505.5	999.9	99.9	999.9	73.4	66.
72.7	154.5	25067.0	25.0	-48.3	99.9	69.6	5.0	-4.7	-1.8	646.1	999.9	99.9	999.9	72.8	66.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

2 MAY 1978
1403 GMT

159 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.5	399.0	963.4	11.5	9.3	60.0	8.2	-7.1	-4.1	287.7	308.1	7.9	89.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.8	516.4	9.0.0	11.1	9.8	67.9	10.7	-10.0	-4.0	288.4	309.3	8.0	91.8	0.3	244.
1.4	13.2	738.3	925.0	8.8	8.1	78.7	12.1	-11.9	-2.4	288.3	307.5	7.4	95.4	0.9	249.
2.4	11.6	959.4	900.0	9.4	8.6	106.2	14.7	-14.1	4.1	291.2	311.9	7.9	95.2	1.6	257.
3.4	18.1	1203.2	875.0	15.1	10.4	125.5	16.7	-13.6	9.7	299.4	331.2	11.9	96.0	2.4	274.
4.5	20.6	14 9.2	850.0	13.9	1 .3	135.4	16.1	-12.4	10.2	300.8	331.4	11.4	96.0	3.5	286.
5.7	21.2	1701.5	825.0	12.8	10.3	139.3	14.7	-11.9	8.6	302.2	331.9	11.0	96.5	4.5	291.
6.7	21.7	1960.4	800.0	12.3	9.1	126.4	12.1	-9.7	7.1	304.3	329.5	9.2	81.1	5.4	294.
7.7	18.3	2216.4	775.0	10.6	7.2	127.7	10.1	-8.0	6.2	305.2	328.3	8.3	79.6	6.0	295.
8.5	11.9	2459.1	750.0	8.4	6.1	138.2	10.4	-6.9	7.8	305.7	327.9	7.9	85.8	6.6	297.
.0	13.7	2711.3	725.0	6.4	.6	136.8	10.5	-6.9	7.9	306.5	327.2	7.4	88.3	7.2	299.
10.5	16.3	3000.8	700.0	4.4	1.7	147.1	10.1	-5.5	8.5	307.3	327.0	6.9	92.5	7.9	300.
12.5	9.2	3313.7	675.0	2.0	-4 .7	1 3.4	9.9	-2.8	9.5	312.4	312.7	0.1	1.0	8.3	303.
14.5	9.0	3671.3	650.0	0.1	-4.7.4	179.1	10.8	-0.2	10.8	313.6	313.9	0.1	1.0	8.7	306.
16.5	9.9	3958.3	625.0	1.4	-4 .1	2 2.6	11.9	4.6	11.0	314.0	314.3	0.1	1.0	9.0	310.
18.5	7.6	4214.7	6.0.0	-1.8	-5 .1	256.6	12.3	5.5	11.0	314.1	314.3	0.1	1.0	9.2	315.
18.2	5.9	46 .1.2	575.0	-4.7	-8 .4	2 4.7	12.6	5.3	11.5	314.5	315.0	0.1	2.8	9.5	319.
17.2	3.6	46 6.7	550.0	-7.8	-1 .9	255.6	13.7	5.9	12.3	314.8	316.1	0.4	9.2	9.9	324.
16.3	7.1	53 .8.5	525.0	-11.0	-2 .6	2 1.2	.2	6.8	11.3	315.2	317.5	0.7	21.8	10.3	328.
14.7	10.3	5735.8	500.0	-14.6	-1 .7	2 3.7	14.0	5.6	12.8	315.2	318.4	1.1	45.8	10.9	332.
21.5	11.6	61 6.7	475.0	-18.6	-2 .3	208.3	15.5	7.3	13.6	315.7	319.7	1.2	61.2	11.6	336.
24.3	6.9	65 4.9	450.0	-22.6	-2 .5	212.4	20.6	11.0	17.4	317.3	321.5	1.3	77.3	12.5	343.
23.5	7.4	69 9.9	425.0	-26.0	-3 .7	215.0	26.6	13.3	23.0	319.5	321.8	0.7	49.4	13.9	349.
25.4	14.0	73 1.1	400.0	-26.1	-3 .4	211.0	30.6	15.8	26.2	321.1	323.2	0.6	35.4	16.1	356.
27.3	17.7	7646.2	375.0	-24.8	-3 .5	215.4	34.5	20.5	27.8	323.5	325.2	0.5	51.9	19.2	2.
29.3	21.7	8326.8	350.0	-31.9	-3 .8	226.5	38.9	28.2	26.8	325.7	327.1	0.4	53.1	22.2	8.
35.7	17.7	8 37.5	325.0	-34.6	-4 .1	243.1	36.2	32.3	16.4	329.0	330.2	0.3	51.2	25.2	15.
32.4	20.0	9412.0	300.0	-36.7	-4 .0	256.1	27.4	26.6	6.6	330.8	331.6	0.2	45.7	27.2	21.
34.7	24.4	.00 3.1	275.0	-43.7	-9 .9	2 .5	24.1	24.0	2.3	331.9	999.9	99.9	999.9	29.0	26.
36.5	99.0	10636.3	250.0	-46.9	99.9	260.6	23.1	22.8	3.8	333.4	999.9	99.9	99.9	30.5	31.
38.9	104.0	11340.4	225.0	-51.9	99.9	248.5	29.1	27.1	10.7	335.9	999.9	99.9	999.9	33.0	35.
41.1	4.5.2	12 7.4	200.0	-59.0	99.9	250.9	38.4	36.3	12.6	339.3	999.9	99.9	999.9	37.5	39.
44.	1.4.8	13 4.3	175.0	-64.7	99.9	251.4	47.2	44.7	15.1	343.2	999.9	99.9	999.9	43.7	44.
47.4	1.1.0	13 75.8	150.0	-66.6	99.9	251.0	39.3	37.2	12.8	355.5	999.9	99.9	999.9	51.3	49.
51.3	17.7	14545.4	125.0	-63.3	99.9	268.4	27.4	27.3	0.8	380.5	999.9	99.9	999.9	58.2	52.
55.5	1 .0.0	1631 .9	100.0	-63.5	99.9	284.1	13.4	13.0	-3.3	405.0	999.9	99.9	999.9	62.1	55.
.7	1 .3.3	18079.8	75.0	-61.1	99.9	294.4	7.3	6.7	-3.0	443.4	999.9	99.9	999.9	65.5	56.
9.6	1 .3	20 32.3	50.0	-61.3	99.9	326.2	4.6	2.5	-3.8	499.9	999.9	99.9	999.9	66.5	58.
.1	1 .0.0	25010.4	25.0	- .0.7	99.9	999.9	999.9	99.9	99.9	638.8	999.9	99.9	999.9	67.0	59.

* - WIND SPEED MEAN ELEVATION ANGLE BETWEEN 6 AND 10 DEG
@ - WIND TEMP MEANS TEMPERATURE OR DEW HAVE BEEN INTERPOLATED
&& - WIND SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

2 MAY 1978
1400 GMT

146 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.1	314.0	956.5	22.9	18.2	120.0	7.1	-6.1	3.5	299.0	335.4	13.8	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	10.3	464.2	950.0	21.2	17.7	121.4	10.1	-8.6	5.2	298.7	334.5	13.6	80.4	0.4	302.
1.5	12.4	695.2	925.0	19.0	16.7	124.9	11.2	-9.2	6.4	298.8	333.4	13.1	86.4	1.0	303.
2.4	14.3	913.8	900.0	17.5	15.9	134.5	10.2	-6.6	7.8	299.6	333.4	12.7	89.9	1.6	305.
3.3	16.5	1172.2	875.0	16.9	15.2	168.3	11.8	-2.4	11.5	301.4	335.1	12.6	89.7	2.1	313.
4.1	18.7	1420.1	850.0	16.2	14.2	179.8	13.3	-0.0	13.3	303.1	336.0	12.1	88.1	2.6	322.
5.1	20.7	1674.1	825.0	14.3	12.5	186.1	12.5	1.3	12.4	303.7	334.1	11.2	88.9	3.2	332.
5.9	22.8	1918.1	800.0	12.9	11.2	190.6	13.2	2.4	13.0	304.9	333.8	10.8	89.5	3.7	337.
6.8	25.1	2202.5	775.0	15.9	-40.2	205.1	14.0	5.9	12.7	310.9	311.4	0.1	1.0	4.3	344.
7.7	27.4	2479.3	750.0	14.0	-41.3	207.0	13.5	6.1	12.0	311.8	312.3	0.1	1.0	4.8	350.
8.7	29.6	2763.3	725.0	11.6	-42.8	208.0	11.5	5.4	10.1	312.2	312.7	0.1	1.0	5.4	354.
9.7	32.0	3054.7	700.0	9.2	-44.3	218.1	10.6	6.5	8.3	312.7	313.1	0.1	1.0	5.9	358.
10.8	34.4	3354.1	675.0	6.5	-46.0	220.4	10.2	6.6	7.7	312.9	313.2	0.1	1.0	6.4	2.
12.0	36.9	3661.9	650.0	4.2	-47.4	210.7	1.9	6.1	10.3	313.7	314.0	0.1	1.0	7.1	6.
13.1	39.3	3979.4	625.0	2.1	-48.7	208.9	15.8	7.6	.9	314.8	315.1	0.1	1.0	7.9	8.
14.2	41.9	4306.9	600.0	-0.7	-49.3	205.7	16.8	7.3	-.2	315.3	316.0	0.2	3.4	9.1	11.
15.5	44.5	4644.8	575.0	-3.8	-32.4	204.4	16.0	7.4	.4	315.6	317.1	0.4	8.7	10.4	13.
16.6	47.2	4993.9	550.0	-6.4	-29.4	209.9	20.0	10.0	17.4	316.5	318.6	0.6	4.2	11.8	14.
18.2	50.0	5355.1	525.0	-9.8	-26.6	213.7	22.1	12.3	18.4	316.7	319.4	0.8	23.9	13.4	17.
19.8	52.9	5728.4	500.0	-13.2	-21.9	213.2	23.0	12.6	19.3	316.9	321.2	1.3	47.8	15.3	19.
21.1	55.8	6119.0	475.0	-14.4	-56.0	210.3	22.0	11.1	19.0	320.2	320.3	0.0	1.0	17.2	20.
22.4	58.8	6527.0	450.0	-18.8	-60.6	213.6	23.1	12.8	19.2	322.2	322.3	0.0	1.0	19.0	21.
23.8	61.9	6952.0	425.0	-20.5	-63.0	217.8	23.6	14.5	18.7	322.7	322.8	0.0	1.0	20.8	22.
25.3	65.2	7396.3	400.0	-23.8	-65.1	226.9	28.0	20.5	.2	324.0	324.1	0.0	1.0	23.0	24.
26.9	68.5	7860.8	375.0	-27.0	-67.2	230.9	30.8	23.9	19.4	325.9	325.9	0.0	1.0	25.6	27.
28.6	72.0	8360.6	350.0	-30.0	-69.2	232.5	36.0	28.6	21.9	328.3	328.4	0.0	1.0	28.7	30.
30.5	75.6	8865.0	325.0	-33.3	-71.4	237.8	38.9	32.9	20.7	330.7	330.8	0.0	1.0	32.6	33.
32.7	79.6	9443.8	300.0	-36.5	-73.5	239.9	44.3	38.3	22.2	333.9	333.9	0.0	1.0	37.5	37.
34.8	83.5	10041.1	275.0	-41.2	99.9	243.9	42.5	38.2	18.7	335.5	999.9	99.9	999.9	42.6	40.
37.0	87.8	10681.6	250.0	-46.1	99.9	250.4	45.9	43.2	15.6	337.5	999.9	99.9	999.9	47.9	43.
39.4	92.4	11374.1	225.0	-51.6	99.9	259.1	45.7	44.8	8.7	339.4	999.9	99.9	999.9	53.7	47.
41.8	97.3	12129.9	200.0	-56.2	99.9	264.3	39.9	39.7	4.0	343.7	999.9	99.9	999.9	58.9	50.
44.7	102.8	12970.2	175.0	-60.8	99.9	260.0	29.9	29.5	5.2	350.0	999.9	99.9	999.9	63.9	53.
47.5	108.5	13915.7	150.0	-66.7	99.9	248.9	37.1	34.6	13.4	355.3	999.9	99.9	999.9	69.9	55.
51.7	115.3	15011.6	125.0	-71.1	99.9	252.6	41.3*	39.4	12.3	366.2	999.9	99.9	999.9	79.4	57.
56.1	122.5	16355.6	100.0	-66.5	99.9	264.6	23.3*	23.2	2.2	399.4	999.9	99.9	999.9	87.0	59.
61.7	130.7	18139.5	75.0	-66.9	99.9	246.0	10.0	9.1	4.1	434.5	999.9	99.9	999.9	91.1	60.
66.1	[illegible]	[illegible]	[illegible]	[illegible]	99.9	309.4	6.9	5.4	-4.4	500.4	999.9	99.9	999.9	94.2	60.
61.4	149.3	25071.8	25.0	-48.1	99.9	999.9	999.9	99.9	99.9	847.2	999.9	99.9	999.9	94.1	61.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

2 MAY 1978
1445 GMT

25 678. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.7	873.0	904.5	10.6	10.1	60.0	10.2	-8.8	-5.1	292.8	314.7	8.7	97.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	16.3	914.7	900.0	10.0	8.5	999.9	99.9	99.9	99.9	291.9	313.8	8.0	92.8	999.9	999.
0.7	16.6	1148.9	875.0	8.6	7.8	999.9	999.9	99.9	99.9	292.9	313.0	7.6	93.5	999.9	999.
1.2	21.1	1384.5	850.0	9.1	8.2	999.9	999.9	99.9	99.9	295.7	317.2	8.1	93.9	999.9	999.
1.8	22.5	1637.0	825.0	7.9	7.0	999.9	999.9	99.9	99.9	296.9	317.6	7.7	94.1	0.8	284.
2.3	24.3	1891.9	800.0	7.0	6.2	84.2	14.8	-14.8	-1.5	298.6	318.9	7.4	94.4	1.1	253.
2.9	25.7	2152.3	775.0	6.9	5.1	84.6	17.4	-17.4	-1.6	300.2	319.7	7.1	94.4	1.4	253.
3.5	27.3	2412.8	750.0	6.9	4.6	999.9	999.9	99.9	99.9	301.9	320.9	6.8	94.3	2.0	256.
3.9	28.9	2669.2	725.0	6.4	4.6	999.9	999.9	99.9	99.9	305.4	326.0	7.4	94.3	999.9	999.
3.9	30.6	2925.4	700.0	4.7	3.8	999.9	999.9	99.9	99.9	307.7	328.2	7.2	94.2	999.9	999.
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	1.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

2 MAY 1978
1400 GMT

162 15. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	160.0	996.5	10.2	-2.4	80.0	3.6	-3.5	-0.6	283.6	292.2	3.2	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	9.2	369.3	975.0	6.9	-2.1	31.8	5.7	-3.0	-4.8	282.1	291.0	3.4	52.6	0.3	231.
1.4	11.3	573.0	950.0	4.4	-3.1	59.9	7.3	-6.3	-3.7	281.7	290.2	3.2	57.8	0.5	228.
2.1	13.3	784.7	925.0	3.1	-4.7	62.7	10.8	-9.6	-5.0	282.5	290.4	2.9	56.5	0.9	236.
3.0	15.5	1011.8	900.0	2.8	-6.5	44.1	11.4	-7.9	-8.2	284.4	291.5	2.6	50.0	1.5	236.
3.9	17.6	1239.5	875.0	2.3	-11.1	24.6	11.0	-4.6	-10.0	286.2	291.5	1.9	36.7	2.1	230.
4.7	19.9	1473.8	850.0	2.9	-13.1	15.5	9.5	-2.5	-9.2	289.2	293.9	1.6	29.7	2.6	223.
5.6	22.2	1715.4	825.0	2.6	-15.9	10.5	9.6	-1.8	-9.5	291.4	295.3	1.3	23.9	3.0	218.
6.5	24.5	1963.7	800.0	1.5	-17.1	10.4	8.5	-1.5	-8.4	292.8	296.5	1.2	23.5	3.4	215.
7.3	26.8	2218.7	775.0	0.6	-18.2	12.8	8.1	-1.8	-7.9	294.5	298.0	1.2	22.7	3.8	212.
8.2	29.2	2482.0	750.0	1.1	-17.3	3.0	7.0	-0.4	-7.0	297.8	301.7	1.3	23.7	4.2	210.
9.4	31.6	2754.0	725.0	0.1	-17.0	349.1	7.6	1.4	-7.5	299.6	303.7	1.4	26.1	4.6	207.
10.4	34.1	3033.2	700.0	0.2	-17.7	330.8	7.9	3.8	-6.9	302.7	306.9	1.4	24.5	5.0	203.
11.5	36.8	3325.7	675.0	1.7	-19.6	318.4	9.6	6.3	-7.1	303.7	307.4	1.2	24.1	5.2	198.
12.4	39.5	3624.8	650.0	-4.0	-22.2	313.1	11.8	8.6	-8.1	304.5	307.6	1.0	22.6	5.5	192.
13.6	42.3	3933.0	625.0	-5.8	-24.1	305.2	15.4	12.6	-8.9	305.8	308.6	0.9	21.9	6.0	184.
14.7	44.8	4251.7	600.0	-7.9	-25.7	303.9	18.8	15.6	-10.5	306.9	309.4	0.8	22.3	6.7	175.
15.9	47.6	4581.1	575.0	-10.1	-27.2	303.6	20.5	17.1	-11.4	308.2	310.5	0.7	23.0	7.6	167.
17.1	50.3	4922.1	550.0	-12.6	-28.8	302.9	23.7	19.9	-12.9	309.1	311.2	0.6	24.2	8.8	160.
18.4	53.1	5275.8	525.0	-14.7	-30.3	297.4	24.3	21.6	-11.2	310.7	312.7	0.6	25.1	10.4	153.
19.7	56.3	5643.1	500.0	-17.7	-32.8	294.7	25.6	23.2	-10.7	311.5	313.1	0.5	25.1	11.9	148.
21.1	59.4	6025.7	475.0	-19.6	-34.6	295.6	27.0	24.4	-11.7	313.8	315.2	0.4	24.8	13.8	143.
22.6	62.6	6425.1	450.0	-22.5	-37.1	298.8	28.2	24.7	-13.6	314.9	316.2	0.3	24.9	16.1	139.
23.9	65.9	6841.9	425.0	-25.6	-39.9	299.7	29.6	25.7	-14.7	315.9	316.9	0.3	25.0	18.4	137.
25.4	69.3	7278.2	400.0	-29.4	-37.2	294.1	29.7	27.1	-12.1	316.8	318.1	0.5	46.1	20.7	134.
26.9	72.9	7736.1	375.0	-32.9	-41.0	291.2	32.8	30.6	-11.8	318.1	319.1	0.3	43.4	23.5	132.
28.7	76.7	8218.7	350.0	-35.9	-44.9	295.4	38.8	35.0	-16.6	320.4	321.1	0.2	38.6	27.0	129.
30.5	80.6	8729.4	325.0	-40.1	99.9	295.3	42.4	38.3	-18.1	321.4	999.9	99.9	999.9	31.3	127.
32.3	84.7	9269.9	300.0	-45.1	99.9	292.3	43.4	40.2	-16.5	321.8	999.9	99.9	999.9	35.8	125.
34.4	89.0	9844.8	275.0	-49.6	99.9	293.8	45.8	41.9	-18.5	323.2	999.9	99.9	999.9	41.3	124.
36.6	93.4	10462.3	250.0	-54.1	99.9	295.4	51.8	46.8	-22.2	325.6	999.9	99.9	999.9	47.8	123.
39.1	98.4	11131.4	225.0	-58.2	99.9	289.4	56.1	53.0	-18.6	329.3	999.9	99.9	999.9	56.2	121.
42.0	103.6	11864.8	200.0	-62.4	99.9	289.8	54.0*	50.8	-18.3	333.9	999.9	99.9	999.9	65.4	119.
45.2	109.3	12687.7	175.0	-62.7	99.9	289.7	45.2*	42.6	-15.2	346.5	999.9	99.9	999.9	74.7	118.
48.7	115.5	13643.3	150.0	-60.2	99.9	283.9	30.9*	30.0	-7.4	366.3	999.9	99.9	999.9	82.4	117.
53.1	122.5	14782.9	125.0	-60.6	99.9	287.0	25.3*	24.1	-7.4	385.3	999.9	99.9	999.9	89.0	116.
58.4	130.5	16163.4	100.0	-60.7	99.9	287.3	19.9*	19.0	-5.9	410.5	999.9	99.9	999.9	96.3	115.
65.2	139.7	17965.5	75.0	-60.2	99.9	289.3	14.2*	13.4	-4.7	446.7	999.9	99.9	999.9	103.1	115.
74.5	150.7	20458.2	50.0	-59.1	99.9	279.2	8.0**	7.9	-1.3	504.3	999.9	99.9	999.9	108.5	114.
89.8	163.0	24954.5	25.0	-49.6	99.9	262.1	3.7	3.7	0.5	642.0	999.9	99.9	999.9	109.7	114.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

2 MAY 1978
1428 GMT

163 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	172.0	997.3	10.4	2.5	70.0	6.1	-5.7	-2.1	283.8	295.8	4.6	58.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
1.0	6.7	359.0	975.0	7.1	-0.6	999.9	999.9	99.9	99.9	282.1	292.2	3.8	57.9	999.9	999.
1.8	11.1	571.9	950.0	5.3	-1.2	999.9	999.9	99.9	99.9	282.6	292.4	3.7	63.0	999.9	999.
2.7	13.5	769.5	925.0	4.8	-4.3	69.7	18.4	-17.3	-6.4	284.2	292.3	3.0	51.9	1.7	261.
3.7	15.9	1013.0	900.0	5.2	-3.8	66.3	14.7	-13.5	-5.9	286.8	295.5	3.2	52.2	2.5	256.
4.7	18.3	1243.2	875.0	6.5	-23.3	61.3	10.8	-9.4	-5.2	290.5	292.6	0.7	9.7	3.4	253.
5.8	20.8	1481.9	850.0	9.4	-17.5	53.9	5.2	-4.2	-3.0	296.0	299.4	1.1	13.2	3.8	252.
6.7	23.3	1724.4	825.0	8.8	-1.9	17.4	4.8	-1.4	-4.6	298.0	309.3	4.0	46.8	4.0	249.
7.8	25.9	1984.1	800.0	8.8	-1.2	8.0	4.5	-0.6	-4.5	300.5	313.0	4.4	49.6	4.1	246.
8.	28.4	2246.3	775.0	7.1	-1.7	343.4	2.5	0.7	-2.4	301.5	313.8	4.4	53.3	4.3	243.
10.0	31.1	2513.4	750.0	5.7	-1.9	294.1	2.7	2.5	-1.1	302.7	315.4	4.4	58.2	4.2	242.
11.2	33.8	2782.4	725.0	5.2	-8.4	296.1	5.8	5.2	-2.5	305.1	313.5	2.8	37.1	4.0	238.
12.4	36.4	3048.5	700.0	4.1	-11.9	294.2	8.9	8.1	-3.7	307.1	313.7	2.2	29.9	3.8	232.
13.6	39.2	3313.1	675.0	2.2	-13.0	287.3	11.7	11.2	-3.5	308.2	314.5	2.1	31.2	3.5	221.
14.7	42.0	3576.8	650.0	0.8	-14.8	276.9	13.1	13.0	-1.6	309.9	315.7	1.9	30.0	3.1	207.
16.1	45.0	3840.0	625.0	-2.4	-14.4	268.9	12.9	12.9	0.2	309.7	315.9	2.0	39.2	2.9	188.
17.3	47.9	4312.9	600.0	-4.1	-21.1	259.5	12.8	12.6	2.3	311.4	315.2	1.2	25.0	2.8	169.
18.5	50.9	4647.1	575.0	-6.6	-13.3	256.3	12.2	11.9	2.9	312.3	319.6	2.4	58.8	2.9	149.
19.9	54.0	4902.6	550.0	-9.2	-17.9	263.1	13.0	12.9	1.6	313.2	318.5	1.7	49.1	3.4	133.
21.1	57.1	5351.5	525.0	-11.5	-20.8	268.8	14.4	14.4	0.3	314.6	319.1	1.4	45.7	4.3	122.
22.7	60.4	5724.1	500.0	-14.3	-24.0	275.8	14.8	14.7	-1.5	315.7	319.2	1.1	43.3	5.4	115.
24.1	63.7	6110.9	475.0	-17.4	-23.3	279.1	16.5	16.3	-2.6	316.4	320.4	1.2	60.2	6.7	112.
25.6	67.0	6513.8	450.0	-20.3	-24.5	278.4	18.7	18.5	-2.7	317.7	321.5	1.2	69.0	8.4	109.
27.5	70.6	6934.9	425.0	-23.4	-27.6	275.9	19.3	19.2	-2.0	319.0	322.1	0.9	67.9	10.3	107.
29.1	74.1	7375.7	400.0	-26.6	-30.1	271.1	22.9	22.9	-0.4	320.5	323.1	0.8	72.0	12.2	105.
30.9	78.0	7835.7	375.0	-30.2	-33.2	270.8	24.1	24.1	-0.3	321.6	323.7	0.6	75.4	14.7	102.
32.9	81.8	8316.4	350.0	-33.7	-38.6	271.8	26.0	26.0	-0.8	323.3	324.7	0.4	60.9	17.7	101.
34.9	85.8	8842.5	325.0	-37.3	-42.6	271.8	27.9	27.9	-0.9	325.3	326.2	0.3	57.4	20.9	99.
37.1	90.2	9386.7	300.0	-42.1	99.9	274.4	28.7	28.7	-2.2	326.1	999.9	99.9	999.9	24.5	98.
39.1	94.6	9973.0	275.0	-46.7	99.9	275.4	31.4	31.2	-3.0	327.7	999.9	99.9	999.9	28.1	98.
41.5	99.2	10598.2	250.0	-51.6	99.9	274.2	36.7	36.6	-2.7	329.3	999.9	99.9	999.9	33.1	97.
44.2	104.2	11273.5	225.0	-57.3	99.9	274.2	40.5	40.3	-3.0	330.8	999.9	99.9	999.9	39.1	97.
47.1	109.5	12007.7	200.0	-62.0	99.9	275.4	49.6	49.4	-4.7	334.6	999.9	99.9	999.9	47.3	96.
50.3	115.2	12827.8	175.0	-66.7	99.9	280.0	46.5	45.8	-8.1	339.9	999.9	99.9	999.9	56.9	97.
54.0	121.3	13756.8	150.0	-66.0	99.9	277.4	40.6	40.2	-5.5	356.4	999.9	99.9	999.9	66.1	97.
58.3	128.0	14866.7	125.0	-66.9	99.9	277.	26.5	26.3	-3.5	373.8	999.9	99.9	999.9	75.0	97.
63.6	135.7	16239.6	100.0	-63.5	99.9	277.3	17.4	17.3	-2.2	405.0	999.9	99.9	999.9	82.0	97.
70.7	144.0	18016.2	75.0	-62.2	99.9	284.6	12.2	11.8	-3.1	442.5	999.9	99.9	999.9	87.8	97.
80.5	153.3	20536.6	50.0	-59.5	99.9	317.2	5.1	3.4	-3.7	503.3	999.9	99.9	999.9	93.1	98.
95.8	163.0	24965.7	25.0	-50.7	99.9	999.9	999.9	99.9	99.9	638.9	999.9	99.9	999.9	94.5	98.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

2 MAY 1978
1400 GMT

157 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.0	438.0	967.5	7.2	-2.0	90.0	6.1	-6.1	0.0	283.0	292.1	3.4	52.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	11.6	587.6	950.0	5.1	-7.9	87.6	12.5	-12.5	-0.5	282.4	288.4	2.2	38.4	0.4	244.
1.1	14.0	804.3	925.0	3.0	-9.7	85.9	16.3	-16.2	-1.2	282.4	287.9	2.0	36.6	0.9	256.
1.8	16.5	1026.1	900.0	2.8	-16.4	86.0	15.8	-15.8	-1.1	284.4	287.6	1.2	22.8	1.7	260.
2.8	19.1	1253.7	875.0	2.6	-16.6	78.8	14.0	-13.8	-2.7	286.5	289.9	1.2	22.7	2.5	262.
3.6	21.6	1488.4	850.0	3.0	-21.5	61.3	11.8	-10.4	-5.7	289.3	291.8	0.8	14.5	3.1	260.
4.5	24.1	1730.2	825.0	4.3	-23.5	42.0	7.4	-5.0	-5.5	293.2	295.3	0.7	11.0	3.6	256.
5.4	26.7	1981.3	800.0	5.5	-22.7	17.2	5.0	-1.5	-4.8	297.0	299.4	0.8	10.9	3.9	252.
6.4	29.3	2240.2	775.0	4.8	-12.0	347.8	4.4	0.9	-4.3	298.9	304.9	2.0	29.2	4.0	249.
7.4	32.0	2507.1	750.0	3.9	-3.1	328.7	5.0	2.6	-4.3	300.8	312.4	4.1	60.3	4.0	245.
8.4	34.8	2782.3	725.0	2.4	-4.2	308.4	5.2	4.1	-3.2	302.1	313.2	3.9	61.8	3.9	240.
9.5	37.4	3065.3	700.0	0.7	-5.3	288.5	6.7	6.4	-2.1	303.3	313.9	3.7	64.3	3.7	236.
10.6	40.3	3357.6	675.0	0.3	-12.4	281.1	10.2	10.0	-2.0	306.0	312.6	2.2	37.9	3.3	229.
11.7	43.1	3658.5	650.0	-2.0	-13.0	283.8	11.7	11.3	-2.8	306.8	313.3	2.2	42.5	2.9	217.
12.7	46.0	3969.2	625.0	-4.5	-15.8	272.8	12.1	12.1	-0.6	307.3	312.8	1.8	40.5	2.7	203.
14.0	49.0	4289.6	600.0	-6.5	-17.7	265.5	11.9	11.8	0.9	308.6	313.6	1.6	40.2	2.4	183.
15.2	52.0	4620.5	575.0	-8.1	-16.0	271.3	11.0	11.0	-0.2	310.5	316.4	1.9	52.8	2.5	163.
16.5	55.1	4964.5	550.0	-10.6	-20.4	287.1	10.8	10.3	-3.2	311.5	315.9	1.4	44.4	2.9	149.
17.9	58.4	5322.0	525.0	-12.7	-23.7	294.2	12.5	11.4	-5.1	313.2	316.6	1.1	39.0	3.7	140.
19.2	61.6	5692.3	500.0	-15.6	-24.2	287.7	15.6	14.8	-4.7	313.8	317.3	1.1	48.0	4.8	134.
20.7	65.0	6077.1	475.0	-18.8	-27.3	282.2	17.0	16.7	-3.6	314.7	317.5	0.8	46.6	6.1	127.
22.3	68.4	6478.6	450.0	-20.9	-29.2	281.4	16.8	16.4	-3.3	316.9	319.4	0.7	47.0	7.6	122.
23.8	72.0	6898.4	425.0	-23.9	-33.0	283.0	17.5	17.0	-3.9	318.4	320.3	0.6	42.3	9.0	118.
25.4	75.6	7338.5	400.0	-27.0	-35.0	281.5	20.1	19.7	-4.0	319.9	321.6	0.5	46.4	10.7	116.
27.1	79.4	7799.6	375.0	-31.5	-36.3	278.1	21.1	20.9	-3.0	319.9	321.4	0.4	62.3	12.8	113.
28.9	83.3	8283.7	350.0	-35.7	-40.4	279.3	23.0	22.7	-3.7	320.6	321.7	0.3	61.4	15.1	111.
30.6	87.3	8795.2	325.0	-39.1	-44.3	275.7	28.1	28.0	-2.8	322.8	323.6	0.2	57.4	17.8	109.
32.6	91.6	9335.3	300.0	-43.3	99.9	268.7	31.5	31.5	0.7	324.4	999.9	99.9	999.9	21.3	106.
34.7	96.0	9919.2	275.0	-47.3	99.9	264.0	37.7	37.5	4.0	326.7	999.9	99.9	999.9	25.5	103.
37.1	100.8	10541.9	250.0	-52.6	99.9	262.6	40.9	40.6	5.3	327.6	999.9	99.9	999.9	30.4	99.
39.3	105.6	11214.6	225.0	-57.4	99.9	263.7	43.8	43.6	4.8	330.6	999.9	99.9	999.9	35.7	97.
41.6	111.0	11948.7	200.0	-62.4	99.9	271.1	48.1	48.1	-0.9	333.9	999.9	99.9	999.9	43.1	95.
44.9	116.6	12768.9	175.0	-65.1	99.9	273.7	35.0	34.9	-2.3	342.6	999.9	99.9	999.9	50.6	95.
48.0	122.8	13710.8	150.0	-61.3	99.9	273.1	33.9	33.9	-1.8	364.5	999.9	99.9	999.9	56.7	95.
51.6	129.3	14836.4	125.0	-61.5	99.9	272.9	19.7	19.7	-1.0	383.7	999.9	99.9	999.9	62.8	95.
56.3	136.5	16220.9	100.0	-61.5	99.9	278.1	14.3	14.2	-2.0	408.9	999.9	99.9	999.9	67.1	95.
62.2	144.3	18009.6	75.0	-60.6	99.9	281.4	12.1	11.9	-2.4	445.9	999.9	99.9	999.9	71.5	95.
70.2	153.0	20531.9	50.0	-60.3	99.9	327.8	7.4	3.9	-6.3	501.5	999.9	99.9	999.9	76.1	96.
82.6	161.7	24674.4	25.0	-49.7	99.9	999.9	999.9	99.9	99.9	642.2	999.9	99.9	999.9	77.2	97.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

2 MAY 1978
1400 GMT

155 15. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.7	392.0	969.2	10.0	2.8	50.0	9.2	-7.0	-5.9	285.7	298.5	4.9	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.4	536.9	950.0	8.3	1.3	65.3	15.2	-13.8	-6.4	283.6	295.2	4.4	70.2	0.4	224.
1.4	12.6	775.2	925.0	5.0	0.0	71.0	12.7	-12.0	-4.2	284.4	295.4	4.2	70.5	1.3	236.
2.2	14.8	998.8	900.0	6.4	-2.3	74.2	14.3	-13.8	-3.9	288.1	298.0	3.6	53.9	1.6	245.
2.8	17.1	1230.5	875.0	7.2	1.8	74.3	15.3	-14.7	-4.1	291.3	304.7	5.0	68.6	2.2	246.
3.7	19.5	1469.1	850.0	6.7	2.4	86.1	14.1	-14.0	-1.0	293.2	307.8	5.4	74.1	2.9	249.
4.4	21.8	1714.6	825.0	7.7	6.9	86.3	11.0	-11.0	-0.7	296.8	317.5	7.7	94.9	3.5	253.
5.3	24.3	1969.0	800.0	7.4	6.4	88.1	5.4	-5.4	-0.2	299.0	319.6	7.6	93.1	3.9	254.
6.2	26.7	2230.5	775.0	6.5	5.9	131.5	2.8	-2.1	1.9	300.8	321.5	7.5	95.4	4.0	255.
7.2	29.2	2499.5	750.0	5.6	4.2	173.0	4.1	-0.5	4.0	302.6	321.9	6.9	90.9	4.0	258.
8.1	31.8	2776.8	725.0	5.4	3.1	171.8	4.2	-0.6	4.2	303.3	321.7	6.6	97.3	4.0	261.
8.9	34.3	3061.2	700.0	1.6	-0.3	156.7	3.4	-1.3	3.1	304.3	319.5	5.4	87.4	4.0	264.
9.9	37.0	3354.1	675.0	1.2	-10.2	132.8	2.4	-1.8	1.6	307.0	314.8	2.6	42.4	4.1	266.
10.9	39.7	3657.3	650.0	0.1	-13.4	227.7	1.0	0.7	0.7	309.1	315.5	2.1	35.5	4.2	267.
11.9	42.5	3970.5	625.0	-1.6	-12.6	327.3	2.8	1.5	-2.4	310.6	317.7	2.3	42.9	4.1	266.
12.9	45.3	4294.3	600.0	-3.8	-13.4	302.5	4.9	4.1	-2.6	311.8	318.7	2.3	46.9	4.0	263.
14.0	48.3	4628.9	575.0	-6.0	-15.0	279.7	7.6	7.5	-1.3	312.9	319.4	2.1	48.7	3.7	261.
15.3	51.3	4975.6	550.0	-8.5	-18.2	268.3	9.8	9.8	0.3	314.0	319.2	1.7	45.2	2.9	258.
16.5	54.3	5334.7	525.0	-11.3	-19.8	254.8	9.3	9.0	2.4	314.8	319.6	1.5	49.5	2.2	256.
17.5	57.4	5706.9	500.0	-14.6	-21.5	237.4	12.8	10.8	6.9	315.2	319.6	1.4	55.5	1.2	265.
19.2	60.6	6093.3	475.0	-17.7	-22.3	233.0	14.4	11.5	8.7	316.1	320.4	1.3	67.0	0.7	336.
20.6	64.0	6494.8	450.0	-21.4	-24.6	234.9	14.9	12.2	8.6	316.3	320.1	1.1	75.1	1.5	31.
22.0	67.4	6913.9	425.0	-24.8	-27.2	234.8	15.2	12.5	8.8	317.3	320.5	1.0	79.8	2.6	40.
23.4	71.0	7352.2	400.0	-27.5	-30.4	241.3	18.2	15.9	8.7	319.2	321.8	0.8	76.1	4.0	47.
24.9	74.7	7814.0	375.0	-30.8	-33.6	244.7	19.9	18.0	8.5	320.8	322.9	0.6	76.3	5.7	52.
26.5	78.4	8300.4	350.0	-34.3	-37.9	245.5	22.3	2 .3	9.2	322.5	324.0	0.4	69.7	7.7	55.
28.1	82.3	9814.7	325.0	-37.9	-41.7	244.5	25.0	22.6	10.7	324.5	325.6	0.3	67.1	9.9	58.
29.8	86.5	9361.0	300.0	-42.4	99.9	244.4	27.0	24.4	11.7	325.7	999.9	99.9	999.9	12.6	59.
31.6	90.8	9943.2	275.0	-47.0	99.9	241.7	31.3	27.6	14.9	327.2	999.9	99.9	999.9	15.7	60.
33.6	95.5	10559.8	250.0	-53.1	99.9	241.8	33.3	29.8	16.0	327.1	999.9	99.9	999.9	20.0	60.
35.6	100.4	11233.9	225.0	-59.8	99.9	244.7	35.7	32.3	15.3	328.4	999.9	99.9	999.9	24.8	61.
38.6	105.8	11965.7	200.0	-64.6	99.9	246.5	50.1	46.0	20.0	330.5	999.9	99.9	999.9	30.8	62.
41.1	111.3	12775.6	175.0	-63.4	99.9	257.6	47.6	46.5	10.2	345.4	999.9	99.9	999.9	39.0	63.
44.3	117.5	13722.9	150.0	-63.2	99.9	260.0	35.6	35.0	6.2	361.2	999.9	99.9	999.9	46.2	66.
48.1	124.3	14856.1	125.0	-59.3	99.9	272.5	17.8	17.8	-0.8	387.6	999.9	99.9	999.9	52.3	68.
52.6	131.3	16238.5	100.0	-62.2	99.9	273.3	11.0	11.0	-0.6	407.5	999.9	99.9	999.9	55.3	70.
56.4	136.8	18017.3	75.0	-61.6	99.9	284.7	9.9	9.5	-2.5	443.9	999.9	99.9	999.9	58.5	71.
65.9	148.7	20541.1	50.0	-60.2	99.9	337.2	4.9	1.9	-4.5	501.8	999.9	99.9	999.9	60.6	73.
77.6	156.0	24967.3	25.0	-51.3	99.9	335.7	2.1	0.8	-1.9	637.1	999.9	99.9	999.9	61.0	74.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

2 MAY 1978
1400 GMT

146 43. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.6	1494.0	889.0	3.9	3.5	50.0	[illegible]		-6.6	286.5	301.1	5.5	97.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	19.0	1222.8	875.0	2.5	2.2	42.8	15.6	-10.6	-11.4	286.4	300.0	5.1	97.7	0.4	217.
1.2	21.7	1457.0	850.0	0.8	0.4	47.3	17.4	-12.8	-11.8	287.0	299.4	4.7	97.6	1.1	220.
2.1	24.3	1698.4	825.0	4.6	4.3	64.4	18.8	-17.0	-8.1	293.5	310.5	6.4	98.0	2.1	228.
2.9	27.0	1950.1	800.0	4.6	4.3	74.9	18.1	-17.5	-4.7	296.0	313.7	6.5	98.0	2.9	235.
3.7	29.8	2209.2	775.0	4.2	4.0	89.4	16.2	-16.2	-0.2	298.4	316.4	6.6	98.4	3.7	241.
4.6	32.6	2476.3	750.0	3.4	2.8	105.3	15.7	-15.1	4.1	300.3	317.6	6.3	95.3	4.4	247.
5.3	35.4	2751.5	725.0	2.3	0.5	123.3	15.2	-12.7	8.3	302.0	317.5	5.5	87.9	5.0	255.
6.6	38.3	3034.8	700.0	0.9	-0.2	123.0	15.6	-13.1	8.5	303.5	318.7	5.4	92.2	5.7	262.
7.6	41.2	3326.	675.0	-1.1	-2.9	117.9	14.8	-13.1	6.9	304.4	317.6	4.6	87.7	6.4	267.
8.7	44.2	3627.5	650.0	-2.6	-4.3	119.2	14.3	-12.5	7.0	306.1	318.5	4.3	87.7	7.2	271.
9.9	47.3	3938.1	625.0	-4.3	-6.2	122.5	15.0	-12.6	8.0	307.6	318.9	3.9	86.8	8.2	275.
11.0	50.4	4259.2	600.0	-6.2	-7.9	126.0	12.7	-10.2	7.4	309.0	319.5	3.5	87.6	9.0	278.
12.2	53.5	4591.6	575.0	-7.9	-9.4	137.1	11.8	-8.0	8.7	310.8	320.6	3.3	88.5	9.7	286.
13.5	56.8	4936.4	550.0	-9.7	-11.3	153.3	15.8	-7.1	14.1	312.6	321.5	2.9	88.0	10.5	284.
14.8	60.0	5294.6	525.0	-11.3	-12.6	163.3	21.4	-6.1	20.5	314.9	323.4	2.8	89.6	11.3	290.
15.8	63.3	5666.2	500.0	-13.5	-15.1	167.3	24.4	-5.3	23.8	316.6	324.0	2.4	87.6	12.2	296.
17.1	66.7	6057.1	475.0	-15.8	-17.8	168.3	25.7	-5.2	25.1	318.5	324.8	2.0	83.9	13.5	302.
18.5	70.3	6463.1	450.0	-18.3	-21.0	176.2	26.7	-1.8	26.6	320.3	325.4	1.6	79.0	15.0	339.
19.7	73.9	6888.3	425.0	-20.8	-23.5	181.8	28.5	0.9	28.5	322.3	326.8	1.4	79.1	16.4	314.
21.1	77.7	7333.6	400.0	-24.2	-27.4	186.5	26.0	2.9	25.8	323.5	326.9	1.0	74.8	17.8	320.
22.5	81.7	7800.9	375.0	-27.6	-30.9	186.0	26.9	2.8	26.7	325.0	327.7	0.8	73.0	19.4	324.
24.0	85.7	8293.3	350.0	-31.7	-36.4	189.0	27.5	4.3	27.1	326.1	327.8	0.5	62.6	21.2	329.
25.6	89.8	8812.4	325.0	-36.1	-41.6	192.9	27.7	6.2	27.0	326.9	328.0	0.3	56.5	23.3	333.
27.4	94.3	9362.6	300.0	-40.9	99.9	195.9	33.2	9.1	32.0	327.7	999.9	99.9	999.9	25.8	338.
29.1	99.0	9949.3	275.0	-45.5	99.9	200.7	37.6	13.3	35.2	329.3	999.9	99.9	999.9	28.7	343.
31.0	103.8	10577.5	250.0	-53.9	99.9	202.7	38.1	14.7	35.2	330.3	999.9	99.9	999.9	32.2	348.
33.0	109.0	11254.0	225.0	-57.1	99.9	198.7	41.4	13.3	39.2	331.1	999.9	99.9	999.9	36.1	352.
35.3	114.4	11988.9	200.0	-63.5	99.9	195.6	47.9	12.9	46.1	332.2	999.9	99.9	999.9	41.7	355.
37.5	120.3	12799.6	175.0	-65.2	99.9	213.3	43.6	24.0	36.4	342.3	999.9	99.9	999.9	47.7	356.
40.0	126.5	13750.2	150.0	-59.4	99.9	242.0	27.8	24.5	13.1	367.7	999.9	99.9	999.9	51.5	3.
42.2	133.7	14687.7	125.0	-59.8	99.9	254.1	19.7	18.9	5.4	386.7	999.9	99.9	999.9	53.0	7.
46.3	141.0	16288.9	100.0	-60.3	99.9	269.3	14.4	14.4	0.2	411.2	999.9	99.9	999.9	54.4	10.
51.0	150.0	18273.3	75.0	-59.4	99.9	264.0	9.4	9.3	1.0	448.3	999.9	99.9	999.9	54.5	14.
56.5	159.3	20613.1	50.0	-58.9	99.9	999.9	99.9	99.9	99.9	504.7	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

2 MAY 1978
1400 GMT

161 18. 8

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.2	298.0	982.5	9.4	-1.9	125.0	1.6	-1.3	0.9	284.0	293.0	3.4	45.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	8.9	361.5	975.0	8.9	-2.3	999.9	99.9	99.9	99.9	284.1	292.9	3.3	45.2	999.9	999.
1.1	11.3	575.3	950.0	6.2	-2.3	999.9	999.9	99.9	99.9	283.5	292.6	3.4	54.5	999.9	999.
2.0	13.8	793.2	925.0	4.1	-3.4	999.9	999.9	99.9	99.9	283.5	292.1	3.2	57.9	0.2	247.
3.0	16.3	1015.4	900.0	2.1	-3.5	355.5	2.5	0.2	-2.5	283.6	292.4	3.3	66.5	0.2	230.
3.7	18.8	1242.5	875.0	0.9	-4.7	333.8	5.6	2.5	-5.1	284.7	293.0	3.1	66.5	0.3	195.
4.6	21.4	1474.7	850.0	-1.0	-5.9	334.0	8.2	3.6	-7.4	285.1	293.0	2.9	69.4	0.7	171.
5.5	24.0	1712.0	825.0	-3.2	-6.5	333.6	8.2	3.6	-7.3	285.2	292.9	2.9	78.2	1.1	165.
6.4	26.6	1955.1	800.0	-4.0	-6.8	329.5	7.9	4.0	-6.8	286.9	294.7	2.9	80.7	1.5	161.
7.3	29.3	2206.3	775.0	-3.0	-8.7	336.4	8.1	3.2	-7.4	290.6	297.7	2.5	64.4	2.0	159.
8.3	32.1	2466.3	750.0	-3.0	-11.5	342.5	8.3	2.5	-7.9	293.4	299.4	2.1	51.6	2.5	159.
9.3	34.9	2734.4	725.0	-3.7	-12.8	335.9	8.9	3.6	-8.1	295.4	301.1	2.0	49.0	3.0	159.
10.3	37.8	3011.6	700.0	-4.3	-13.8	328.4	8.7	4.6	-7.4	297.7	303.2	1.9	47.5	3.5	158.
11.4	40.7	3297.6	675.0	-5.8	-14.8	324.5	9.5	5.5	-7.8	299.2	304.5	1.8	48.8	4.0	156.
12.4	43.6	3592.4	650.0	-7.7	-17.5	325.2	9.9	5.6	-8.1	300.2	304.7	1.5	45.3	4.6	155.
13.5	46.6	3896.4	625.0	-9.9	-18.5	324.5	9.9	5.8	-8.1	301.2	305.5	1.4	48.9	5.3	154.
14.7	49.6	4210.5	600.0	-11.6	-21.0	320.5	10.2	6.5	-7.9	302.7	306.4	1.2	45.6	6.0	152.
15.8	52.8	4535.3	575.0	-14.1	-23.5	319.0	11.9	7.8	-9.0	303.5	306.6	1.0	44.7	6.7	151.
17.1	56.0	4871.5	550.0	-16.0	-28.4	320.8	14.2	9.0	-11.0	305.1	307.6	0.8	40.4	7.7	149.
18.3	59.3	5220.4	525.0	-18.6	-31.4	320.5	16.9	10.7	-13.0	306.0	307.8	0.5	31.3	8.8	148.
19.6	62.6	5582.6	500.0	-21.1	-34.7	317.9	16.6	11.1	-12.3	307.3	308.7	0.4	28.2	10.1	147.
20.9	66.0	5959.1	475.0	-23.7	-39.0	318.2	19.8	13.2	-14.7	308.6	309.6	0.3	22.9	11.5	146.
22.3	69.6	6351.7	450.0	-27.0	-41.9	321.6	21.0	13.0	-16.4	309.3	310.0	0.2	22.7	13.3	145.
23.7	73.3	6761.3	425.0	-30.0	-45.3	325.3	21.0	12.0	-17.3	310.5	311.1	0.2	20.8	15.3	145.
25.3	77.0	7189.9	400.0	-33.5	-48.1	324.9	21.0	12.1	-17.2	311.5	312.0	0.1	21.0	17.0	145.
27.0	81.0	7639.2	375.0	-37.3	-51.3	322.4	21.4	13.0	-16.9	312.2	312.6	0.1	21.3	19.1	145.
28.5	85.0	8112.3	350.0	-41.2	99.9	320.2	22.2	14.2	-17.0	313.2	999.9	99.9	999.9	21.2	145.
30.4	89.2	8612.2	325.0	-44.3	99.9	328.1	25.0	13.2	-21.2	315.7	999.9	99.9	999.9	23.7	144.
32.4	93.7	9144.3	300.0	-48.2	99.9	335.0	28.5	12.0	-25.9	317.5	999.9	99.9	999.9	26.9	145.
34.4	98.2	9712.8	275.0	-51.0	99.9	331.9	31.8	15.0	-28.1	320.4	999.9	99.9	999.9	30.5	147.
36.7	103.0	10327.1	250.0	-54.2	99.9	327.1	31.3	17.0	-26.3	325.6	999.9	99.9	999.9	35.0	147.
39.1	108.2	11003.5	225.0	-55.1	99.9	315.2	26.8	18.9	-19.8	334.1	999.9	99.9	999.9	39.1	147.
42.0	113.6	11762.0	200.0	-52.7	99.9	309.4	26.9	20.8	-17.0	349.4	999.9	99.9	999.9	43.4	145.
45.3	119.5	12622.8	175.0	-53.3	99.9	297.9	22.9	20.2	-10.7	362.0	999.9	99.9	999.9	48.1	143.
48.9	125.8	13611.3	150.0	-54.6	99.9	294.1	20.7	18.9	-8.4	376.0	999.9	99.9	999.9	52.1	140.
53.4	132.7	14775.7	125.0	-56.2	99.9	293.9	19.9	18.2	-8.1	393.3	999.9	99.9	999.9	57.3	138.
58.7	140.3	16196.2	100.0	-56.5	99.9	296.2	14.4	12.9	-6.4	418.6	999.9	99.9	999.9	61.8	136.
64.6	148.3	18039.3	75.0	-56.8	99.9	285.1	12.6	12.2	-3.3	453.9	999.9	99.9	999.9	66.9	135.
73.2	157.0	20593.0	50.0	-54.5	99.9	282.1	5.8	5.6	-1.2	515.1	999.9	99.9	999.9	69.9	133.
85.2	165.7	25097.7	25.0	-48.2	99.9	123.1	3.9	-3.3	2.1	666.6	999.9	99.9	999.9	73.6	133.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
# BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

2 MAY 1978
1400 GMT

161 19. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.7	175.0	999.7	7.3	-2.7	40.0	5.1	-3.3	-3.9	280.5	288.8	3.1	49.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.9	7.7	379.4	975.0	3.6	-4.2	33.4	6.0	-3.3	-5.0	278.8	286.4	2.9	56.4	0.3	206.
1.7	9.7	579.3	950.0	4.1	-9.7	32.4	7.3	-3.9	-6.1	281.4	286.7	2.0	36.0	0.6	210.
2.5	11.8	836.9	925.0	3.4	-11.4	28.2	9.2	-4.4	-8.1	282.8	287.6	1.7	33.2	1.0	210.
3.4	13.8	1028.7	900.0	2.5	-18.8	26.8	12.8	-5.7	-11.4	284.1	286.9	1.0	18.9	1.6	209.
4.3	16.0	1255.7	875.0	1.8	-20.3	26.2	12.7	-5.6	-11.4	285.6	288.2	0.9	17.5	2.3	208.
5.2	18.2	1488.6	850.0	1.2	-16.2	23.6	10.7	-4.3	-9.8	287.4	291.1	1.3	26.2	3.0	208.
6.2	20.4	1729.2	825.0	1.1	-12.5	18.1	9.9	-3.1	-9.4	289.7	294.8	1.8	35.6	3.5	207.
7.1	22.7	1976.1	800.0	0.1	-17.2	15.3	8.6	-2.3	-8.3	291.3	295.0	1.2	25.8	4.1	205.
8.1	25.0	2230.6	775.0	-0.6	-21.0	8.9	7.6	-1.2	-7.5	293.1	295.9	0.9	19.6	4.5	204.
9.2	27.4	2491.1	750.0	-2.4	-21.4	5.2	7.9	-0.7	-7.8	294.0	296.8	0.9	21.6	5.0	202.
10.2	29.8	2759.3	725.0	-3.7	-23.2	353.9	7.2	0.8	-7.2	295.4	297.9	0.8	20.3	5.4	200.
11.3	32.4	3036.7	700.0	-3.1	-26.7	350.4	6.8	1.1	-6.7	299.1	301.0	0.6	14.0	5.8	198.
12.4	34.9	3324.4	675.0	-3.1	-28.0	333.3	6.4	2.9	-5.7	302.2	304.0	0.6	12.5	6.2	196.
13.5	37.6	3622.6	650.0	-3.9	-28.9	317.6	6.4	4.3	-4.7	304.6	306.3	0.5	12.2	6.5	193.
14.7	40.2	3931.2	625.0	-5.5	-31.4	322.4	6.1	3.7	-4.8	306.2	307.7	0.4	10.8	6.7	190.
15.8	43.0	4249.6	600.0	-7.9	-33.9	334.9	8.1	3.4	-7.3	307.0	308.2	0.4	10.2	7.0	187.
16.9	45.6	4579.1	575.0	-10.3	-36.0	334.4	8.0	3.5	-7.3	308.0	309.0	0.3	10.0	7.5	185.
18.2	48.5	4920.1	550.0	-12.4	-37.4	333.9	9.0	4.0	-8.1	309.4	310.4	0.3	10.2	8.1	183.
19.6	51.5	5274.3	525.0	-14.3	-41.3	328.3	11.9	6.2	-10.1	311.2	311.9	0.2	7.9	8.8	180.
21.0	54.6	5642.1	500.0	-16.3	-42.9	321.5	14.8	9.2	-11.6	313.2	313.8	0.2	7.9	9.8	176.
22.3	57.9	6027.3	475.0	-18.5	-43.2	318.1	17.0	11.4	-12.7	315.1	315.8	0.2	9.2	10.9	172.
23.8	61.3	6428.1	450.0	-21.9	-45.0	314.8	18.4	13.1	-13.0	315.8	316.3	0.1	10.1	12.1	168.
25.4	64.7	6845.8	425.0	-25.6	-47.6	312.2	19.8	14.7	-13.3	316.2	316.7	0.1	10.5	13.6	164.
27.2	68.3	7282.1	400.0	-29.0	-50.5	309.5	21.4	16.5	-13.6	317.3	317.8	0.1	10.4	15.6	159.
29.1	72.2	7740.3	375.0	-32.4	-53.2	309.1	21.4	16.8	-13.2	318.8	319.1	0.1	10.4	17.7	155.
30.8	76.2	8223.2	350.0	-36.5	-55.6	300.5	22.4	19.3	-11.4	319.5	319.7	0.1	11.7	19.7	152.
32.8	80.3	8732.8	325.0	-40.3	99.9	296.1	24.7	22.1	-10.9	321.1	999.9	99.9	999.9	22.0	148.
34.8	84.6	9272.6	300.0	-45.1	99.9	293.6	24.9	22.8	-10.0	321.9	999.9	99.9	999.9	24.6	144.
37.0	89.4	9848.6	275.0	-49.1	99.9	293.3	25.0	23.0	-9.9	324.1	999.9	99.9	999.9	27.6	140.
39.4	94.4	10467.4	250.0	-54.2	99.9	293.9	24.5	22.4	-9.9	325.6	999.9	99.9	999.9	30.7	137.
41.8	99.8	11136.5	225.0	-57.6	99.9	291.2	31.8	29.7	-11.5	330.2	999.9	99.9	999.9	34.3	135.
44.3	105.5	11873.9	200.0	-61.5	99.9	287.8	39.0	37.1	-11.9	335.4	999.9	99.9	999.9	39.4	131.
47.3	111.8	12704.1	175.0	-61.2	99.9	288.1	30.6	29.0	-9.5	349.0	999.9	99.9	999.9	45.3	128.
50.6	118.7	13667.2	150.0	-57.2	99.9	291.2	24.8	23.1	-9.0	371.6	999.9	99.9	999.9	50.5	126.
54.5	126.0	14814.8	125.0	-57.8	99.9	289.7	20.4	19.2	-6.9	390.3	999.9	99.9	999.9	55.5	125.
59.3	134.3	16218.0	100.0	-59.2	99.9	296.9	15.0	13.4	-6.8	413.4	999.9	99.9	999.9	60.3	124.
65.2	143.0	18028.5	75.0	-58.2	99.9	291.3	12.1	11.3	-4.4	451.0	999.9	99.9	999.9	64.8	123.
73.4	152.7	20586.7	50.0	-57.1	99.9	301.6	6.9	5.9	-3.6	509.1	999.9	99.9	999.9	70.0	122.
85.9	162.5	25065.0	25.0	-48.9	99.9	265.5	3.3	3.2	0.3	644.4	999.9	99.9	999.9	71.0	123.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

2 MAY 1978
1415 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
													105	10.	0
0.0	12.5	761.0	928.1	5.0	2.4	80.0	6.1	-6.0	-1.1	284.2	297.0	4.9	83.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.5	975.0	99.9	99.9	99.9	99.9	99.5	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.5	99.5	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.5	99.5	925.0	0.9	0.9	78.3	6.3	-6.2	-1.3	283.8	295.4	4.5	78.4	0.1	308.
0.1	12.7	616.3	900.0	4.3	-3.1	80.7	7.3	-7.2	-1.2	283.3	292.3	3.4	70.0	0.4	265.
0.8	14.9	1040.4	875.0	1.8	-6.6	87.1	9.0	-9.0	-0.5	284.8	291.1	2.3	48.8	0.8	256.
1.6	17.1	1267.2	850.0	1.0	-10.3	79.4	10.8	-10.6	-2.0	286.5	297.9	2.1	45.8	1.3	259.
4.5	19.3	1500.0	825.0	0.4	-5.6	82.3	12.0	-11.9	-1.6	289.3	296.0	3.1	65.0	2.0	259.
3.5	21.6	1739.7	800.0	0.6	-15.3	91.1	10.2	-10.2	0.2	291.8	298.2	1.5	29.2	2.5	261.
4.3	23.9	1986.8	775.0	-0.4	-1.3	98.2	8.4	-8.3	1.2	293.4	305.2	4.3	89.5	3.0	263.
5.2	26.3	2241.5	750.0	-1.0	-1.0	92.3	5.2	-5.2	0.2	295.5	308.6	4.8	101.8	3.4	264.
6.1	28.7	2503.8	725.0	-1.3	-1.3	88.0	4.2	-4.2	-0.1	298.0	311.3	4.8	101.2	3.6	265.
7.2	31.1	2774.5	700.0	-3.0	-10.3	83.6	5.2	-5.1	-0.6	299.1	311.4	4.4	101.6	3.9	265.
8.1	33.6	3053.8	675.0	0.6	-5.6	82.3	12.0	-11.9	-1.6	289.3	297.9	4.1	99.6	4.2	265.
9.2	-6.1	3341.3	650.0	-0.4	-15.3	91.1	10.2	-10.2	0.2	291.8	296.0	1.5	29.2	4.4	266.
10.4	12.7	3638.5	625.0	-0.5	-13.6	98.2	8.4	-8.3	1.2	293.4	305.2	4.3	89.5	4.4	267.
11.4	41.1	3946.7	600.0	-1.0	-11.4	92.3	5.2	-5.2	0.2	295.5	308.6	4.8	101.8	4.0	269.
12.7	43.8	4265.8	575.0	-1.3	-13.0	87.1	9.0	-9.0	0.5	298.0	311.3	4.8	101.2	3.6	265.
14.8	46.4	4597.1	550.0	-7.4	-20.9	79.4	10.8	-10.6	2.0	299.1	311.4	4.4	101.6	3.9	265.
15.1	49.3	4940.2	525.0	-8.4	-27.6	87.1	9.0	-9.0	2.0	298.0	311.3	4.1	99.6	4.2	265.
16.5	52.2	5297.7	500.0	-12.7	-24.0	82.3	12.0	-11.9	2.9	307.6	314.2	2.0	35.8	3.5	273.
17.8	-5.1	5668.2	475.0	-15.3	-27.6	80.7	10.8	-10.6	4.0	310.2	314.2	1.3	22.6	3.1	279.
19.4	58.1	6053.6	450.0	-18.0	-30.3	82.3	12.0	-11.9	3.2	311.8	314.2	0.7	24.1	2.8	284.
20.9	61.3	6453.0	425.0	-21.7	-29.6	87.1	9.0	-9.0	2.1	313.1	315.3	0.7	34.0	2.5	291.
22.4	64.6	6873.3	400.0	-25.4	-30.5	92.3	5.2	-5.2	2.4	314.4	317.0	0.8	33.1	2.1	300.
24.0	67.5	7310.1	375.0	-28.5	-33.8	98.2	8.4	-8.3	1.7	315.7	317.9	0.6	48.6	1.7	315.
25.8	71.4	7769.2	350.0	-32.4	-38.7	88.0	5.2	-5.2	1.7	316.0	318.4	0.7	62.3	1.5	342.
27.5	75.0	8251.7	325.0	-36.1	-48.7	83.6	4.2	-4.2	2.8	316.4	318.4	0.7	62.1	1.9	24.
29.3	78.8	8761.1	300.0	-40.9	99.9	87.1	9.0	-9.0	4.8	317.5	319.3	0.5	62.1	2.2	43.
31.4	82.8	9300.3	275.0	-45.1	99.9	92.3	12.0	-11.9	5.3	318.8	320.0	0.4	52.6	4.5	53.
33.3	87.0	9875.0	250.0	-49.9	99.9	98.2	10.7	-10.6	1.4	320.0	320.5	0.1	25.7	5.9	63.
35.4	91.4	10491.8	225.0	-54.6	99.9	88.0	14.1	-13.9	0.3	320.3	999.9	99.9	999.9	8.1	69.
37.7	96.2	11158.2	200.0	-59.8	99.9	83.6	14.2	-14.0	0.5	321.8	999.9	99.9	999.9	11.2	69.
40.2	101.2	11886.2	175.0	-62.4	99.9	87.1	16.9	-16.9	1.5	322.9	999.9	99.9	999.9	15.7	67.
42.6	106.8	12717.1	150.0	-61.5	99.9	92.3	22.6	-21.9	12.8	322.9	999.9	99.9	999.9	22.0	62.
45.7	112.7	13667.4	125.0	-58.5	99.9	98.2	31.3	-28.6	23.5	324.9	999.9	99.9	999.9	29.1	59.
49.3	119.3	14810.8	100.0	-62.8	99.9	83.6	42.1	-35.0	32.4	326.9	999.9	99.9	999.9	33.4	61.
53.4	126.7	16159.6	130.0	-62.8	99.9	87.1	49.1	-36.9	38.4	338.1	999.9	99.9	999.9	37.3	61.
57.7	134.4	17692.0	75.0	-59.7	99.9	92.3	41.6	-21.5	20.5	347.0	999.9	99.9	999.9	40.9	62.
62.2	142.5	20516.6	50.0	-60.4	99.9	98.2	22.6	-18.6	7.7	347.0	999.9	99.9	999.9	43.9	63.
66.8	143.5	24545.6	25.0	-51.4	99.9	240.7	20.3	-13.1	8.1	364.1	999.9	99.9	999.9	46.3	65.
71.0	112.3						13.6	-12.0	3.7	389.0	999.9	99.9	999.9	48.8	67.
							12.0	-8.1	0.1	406.4	999.9	99.9	999.9	48.8	69.
							8.1	-4.2	-0.4	467.8	999.9	99.9	999.9	49.1	
							6.1	-4.2	-0.5	501.2	999.9	99.9	999.9		
							2.5	2.1	1.2	637.3	999.9	99.9	999.9		

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

2 MAY 1978
1400 GMT

ISS 7. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	268.0	990.4	8.9	2.3	70.0	3.1	-2.9	-1.1	282.8	294.7	4.6	63.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	8.4	397.2	975.0	6.3	-1.4	999.9	999.9	99.9	99.9	281.5	290.8	3.5	57.6	999.9	999.
1.1	10.6	609.7	950.0	5.6	-5.9	999.9	999.9	99.9	99.9	282.9	289.9	2.6	43.4	999.9	999.
1.9	12.9	827.7	925.0	5.2	-8.1	999.9	999.9	99.9	99.9	284.6	290.8	2.2	37.6	999.9	999.
2.7	15.3	1050.6	900.0	3.2	-8.8	999.9	999.9	99.9	99.9	284.8	290.5	2.2	41.1	999.9	999.
3.6	17.6	1278.0	875.0	1.0	-9.4	999.9	999.9	99.9	99.9	284.8	290.7	2.1	45.6	2.0	244.
4.5	20.1	1510.1	850.0	-1.3	-13.2	78.4	8.5	-8.3	-1.7	284.8	289.3	1.6	39.9	2.4	248.
5.4	22.5	1748.2	825.0	-0.5	-23.3	56.1	7.9	-6.5	-4.4	288.1	290.2	0.7	16.0	2.9	248.
6.4	25.0	1993.7	800.0	-1.5	-29.9	45.2	7.1	-5.0	-5.0	289.6	290.8	0.4	9.3	3.3	245.
7.4	27.5	2246.4	775.0	-1.3	-33.5	5.5	4.8	-0.5	-4.8	292.4	293.3	0.3	6.5	3.6	243.
8.4	30.1	2508.7	750.0	0.6	-32.4	320.2	5.9	3.8	-4.5	297.3	298.3	0.3	6.2	3.6	238.
9.4	32.7	2780.9	725.0	2.1	-32.1	334.9	5.4	2.3	-4.9	300.7	301.8	0.4	6.2	3.6	233.
10.5	35.3	3062.4	700.0	0.1	-32.7	356.6	4.6	0.3	-4.6	302.6	303.8	0.3	6.3	3.7	228.
11.7	38.0	3352.7	675.0	-1.2	-31.7	12.8	4.4	-1.0	-4.2	304.4	305.7	0.4	7.6	4.0	225.
12.9	40.8	3652.7	650.0	-3.0	-29.8	21.8	2.5	-0.9	-2.3	305.6	307.2	0.5	10.4	4.2	223.
14.2	43.6	3961.8	625.0	-5.3	-25.4	350.3	1.2	0.2	-1.2	306.4	308.9	0.8	18.8	4.3	223.
15.5	46.4	4280.8	600.0	-7.8	-29.3	293.7	1.1	1.0	-0.5	307.1	309.0	0.6	15.7	4.3	222.
16.9	49.4	4610.5	575.0	-9.8	-28.5	270.6	0.6	0.6	-0.0	308.5	310.9	0.7	22.9	4.3	221.
18.3	52.3	4952.4	550.0	-12.1	-17.4	317.7	1.9	1.3	-1.4	309.8	315.3	1.8	64.4	4.3	220.
19.8	55.4	5307.0	525.0	-14.0	-20.9	272.4	4.7	4.7	-0.2	311.7	316.0	1.4	55.8	4.2	217.
21.3	58.5	5676.3	500.0	-16.3	-24.3	274.2	9.2	9.2	-0.7	313.2	316.6	1.1	49.9	3.9	210.
22.8	61.8	6060.3	475.0	-18.9	-28.3	278.4	12.7	12.6	-1.9	314.5	317.1	0.8	43.2	3.6	194.
24.4	65.0	6461.3	450.0	-20.9	-37.8	278.3	16.5	16.3	-2.3	317.0	318.2	0.3	20.0	3.7	173.
26.2	68.4	6881.3	425.0	-24.3	-41.2	277.4	20.5	20.3	-2.6	317.9	318.8	0.2	19.1	4.7	148.
28.0	72.0	7319.5	400.0	-28.2	-46.9	278.9	18.8	18.6	-2.9	318.4	318.9	0.1	14.6	6.3	133.
29.9	75.7	7778.7	375.0	-32.6	-50.6	276.3	21.0	20.8	-2.3	318.4	318.8	0.1	14.5	8.1	124.
31.9	79.3	8260.3	350.0	-37.0	-53.5	278.7	31.4	31.1	-4.8	318.9	319.2	0.1	15.9	10.9	117.
33.9	83.3	8767.8	325.0	-42.1	99.9	276.0	41.0	40.9	-4.3	318.7	999.9	99.9	999.9	15.3	111.
36.0	87.5	9304.6	300.0	-46.2	99.9	274.0	33.5	33.4	-2.4	320.3	999.9	99.9	999.9	20.0	107.
37.9	91.8	9876.8	275.0	-51.2	99.9	272.6	32.2	32.2	-1.4	321.1	999.9	99.9	999.9	23.5	105.
40.2	96.4	10488.8	250.0	-56.3	99.9	269.2	31.9	31.9	0.4	322.4	999.9	99.9	999.9	27.9	103.
42.6	101.2	11156.5	225.0	-57.3	99.9	258.8	29.4	28.9	5.7	330.8	999.9	99.9	999.9	32.0	101.
45.0	106.4	11890.2	200.0	-63.5	99.9	257.1	36.1	35.2	8.1	332.3	999.9	99.9	999.9	36.4	98.
48.0	112.0	12719.1	175.0	-56.8	99.9	272.6	30.3	30.3	-1.4	352.8	999.9	99.9	999.9	42.4	95.
51.3	118.0	13680.1	150.0	-59.7	99.9	273.8	20.6	20.6	-1.4	367.2	999.9	99.9	999.9	47.1	96.
55.2	124.8	14626.3	125.0	-59.5	99.9	276.3	17.4	17.3	-1.9	387.3	999.9	99.9	999.9	51.8	95.
61.0	132.3	16222.5	100.0	-60.4	99.9	280.0	12.4	12.2	-2.1	411.1	999.9	99.9	999.9	56.0	96.
65.3	139.7	18017.7	75.0	-58.8	99.9	278.7	11.7	11.5	-1.8	449.6	999.9	99.9	999.9	59.7	96.
72.4	148.5	20554.0	50.0	-59.8	99.9	304.5	8.9	7.3	-5.0	502.6	999.9	99.9	999.9	63.9	97.
82.8	157.3	24583.9	25.0	-53.0	99.9	287.5	8.3	7.9	-2.5	632.8	999.9	99.9	999.9	65.9	98.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

2 MAY 1978
1415 GMT

164 18. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	200.0	998.9	8.3	-7.4	30.0	5.1	-2.5	-4.4	281.5	287.5	2.2	32.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	9.2	398.6	975.0	5.0	-8.8	999.9	999.9	99.9	99.9	280.2	285.7	2.0	35.8	999.9	999.
1.5	11.6	606.8	950.0	3.4	-10.5	999.9	999.9	99.9	99.9	280.7	285.6	1.8	35.4	999.9	999.
2.4	14.0	825.7	925.0	2.9	-12.9	27.7	9.2	-4.3	-8.1	282.3	286.5	1.5	30.2	0.0	221.
3.2	16.5	1047.8	900.0	1.7	-9.4	15.0	10.2	-2.7	-9.9	283.3	289.0	2.1	43.1	1.3	213.
4.0	18.9	1273.5	875.0	0.5	-11.6	13.2	10.1	-2.3	-9.9	284.3	289.3	1.8	39.2	1.7	207.
4.9	21.5	1505.7	850.0	-0.8	-11.8	17.8	12.4	-3.8	-11.8	285.4	290.4	1.8	42.7	2.3	204.
5.7	1.0	1743.3	825.0	-2.6	-17.4	20.4	10.3	-3.6	-9.6	285.9	289.3	1.2	30.7	2.9	203.
6.8	26.6	1987.8	800.0	-2.5	-23.6	24.8	7.3	-3.1	-6.7	288.5	290.7	0.7	17.8	3.4	203.
7.7	29.3	2238.9	775.0	-4.0	-24.4	10.0	7.2	-1.[illegible]	-7.1	289.5	291.6	0.7	18.6	3.8	203.
8.7	32.0	2496.6	750.0	-5.0	-24.3	5.9	8.9	-0.9	-8.8	291.2	293.3	0.7	20.2	4.3	201.
9.6	34.7	2763.7	725.0	-4.3	-24.2	0.8	10.0	-0.1	-10.0	294.7	297.0	0.7	19.5	4.9	199.
10.9	37.4	3039.6	700.0	-5.6	-23.0	1.7	9.7	-0.3	-9.7	296.3	298.9	0.9	23.8	5.5	197.
12.1	40.3	3324.6	675.0	-5.8	-24.4	0.2	9.1	-0.0	-9.1	299.2	301.6	0.8	21.3	6.1	195.
13.1	43.1	3620.0	650.0	-6.1	-26.9	356.6	10.2	1.0	-10.2	302.1	304.2	0.6	17.4	6.7	194.
14.3	46.1	3926.4	625.0	-7.3	-28.7	339.5	11.2	3.9	-10.5	304.1	306.0	0.6	16.0	7.4	191.
15.5	49.1	4243.5	600.0	-8.8	-30.0	332.9	13.0	5.9	-11.6	306.0	307.7	0.5	16.0	8.1	187.
16.6	52.3	4572.0	575.0	-10.5	-32.9	339.8	13.7	4.7	-12.8	307.7	309.1	0.4	13.7	9.0	184.
18.1	55.4	4912.8	550.0	-12.6	-34.5	336.6	12.9	5.1	-11.8	309.1	310.3	0.4	13.9	10.0	182.
19.6	58.5	5266.1	525.0	-15.4	-35.3	327.3	12.6	6.8	-10.6	309.9	311.1	0.4	16.3	11.0	178.
21.0	62.0	5632.4	500.0	-18.2	-35.7	320.5	13.7	8.7	-10.6	310.8	312.0	0.4	19.7	11.9	175.
22.5	65.4	6014.0	475.0	-20.6	-38.9	322.3	14.1	8.6	-11.1	312.5	313.5	0.3	17.5	12.9	172.
24.0	68.9	6411.6	450.0	-23.8	-40.9	321.1	14.8	9.3	-11.5	313.3	314.1	0.2	18.9	14.1	170.
25.6	72.4	6826.0	425.0	-27.4	-43.4	319.3	15.0	9.8	-11.4	313.9	314.6	0.2	19.9	15.3	167.
27.[illegible]	75.9	7259.8	400.0	-30.3	-46.2	314.4	15.8	11.2	-11.1	315.7	316.2	0.1	19.3	16.6	165.
28.8	79.7	7715.8	375.0	-33.9	-49.0	316.7	14.9	10.2	-10.8	316.8	317.2	0.1	19.8	17.9	162.
30.5	83.7	8196.1	350.0	-37.1	-51.8	318.6	16.2	10.7	-12.2	318.7	319.1	0.1	19.7	19.3	160.
32.2	87.9	8702.9	325.0	-41.9	99.9	311.6	16.3	12.2	-10.9	318.9	999.9	99.9	999.9	20.9	158.
34.2	92.2	9239.5	300.0	-46.3	99.9	310.9	16.9	12.7	-11.1	320.2	999.9	99.9	999.9	22.6	156.
36.3	96.8	9811.7	275.0	-51.2	99.9	313.0	17.0	12.4	-11.6	321.1	999.9	99.9	999.9	24.6	154.
38.5	101.6	10426.0	250.0	-55.4	99.9	303.1	17.0	14.2	-9.3	323.7	999.9	99.9	999.9	26.6	152.
40.8	106.6	11089.2	225.0	-60.6	99.9	293.9	19.1	17.4	-7.7	325.6	999.9	99.9	999.9	28.6	149.
43.2	112.0	11817.2	200.0	-63.5	99.9	296.9	21.3	19.0	-9.7	332.1	999.9	99.9	999.9	31.1	146.
46.0	117.8	12645.5	175.0	-58.9	99.9	291.5	22.3	20.8	-8.2	352.7	999.9	99.9	999.9	34.3	143.
49.2	124.3	13610.1	150.0	-59.8	99.9	293.1	18.7	17.2	-7.3	367.1	999.9	99.9	999.9	37.9	140.
53.0	131.0	14754.3	125.0	-58.6	99.9	299.6	15.6	13.6	-7.7	389.0	999.9	99.9	999.9	41.5	138.
57.7	138.7	16161.7	100.0	-57.4	99.9	299.6	13.8	12.0	-6.8	417.0	999.9	99.9	999.9	45.3	136.
63.6	147.3	17965.1	75.0	-58.4	99.9	300.4	10.6	9.1	-5.3	450.4	999.9	99.9	999.9	49.4	135.
71.4	156.5	20533.3	50.0	-54.8	99.9	307.1	3.6	2.9	-2.2	514.3	999.9	99.9	999.9	52.7	134.
84.0	166.3	24992.8	25.0	-50.6	99.9	136.5	1.1	-0.8	0.8	639.6	999.9	99.9	999.9	52.4	134.

* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EV TEMP MEANS TEMPERATURE OR TIME MAY BEEN INTERPOLATED
** EV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA

2 MAY 1978
1400 GMT

147 34. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.4	400.0	975.7	8.7	-1.4	100.0	2.1	-2.1	0.4	283.8	293.3	3.5	49.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	8.5	406.0	975.0	8.7	-1.5	102.9	2.1	-2.0	0.5	283.9	293.3	3.5	49.0	0.0	349.
0.8	10.7	620.4	950.0	7.6	-6.8	140.9	2.1	-1.3	1.6	284.9	291.5	2.4	35.4	0.1	288.
1.7	12.6	839.3	925.0	5.7	-8.5	151.8	2.7	-1.3	2.4	285.2	291.1	2.2	35.0	0.2	313.
2.3	15.1	1062.5	900.0	3.7	-9.9	114.2	3.0	-2.7	1.2	285.3	290.9	2.0	36.2	0.3	314.
3.2	17.3	1290.6	875.0	2.0	-10.1	92.5	3.0	-3.0	0.1	285.9	291.5	2.0	40.2	0.4	302.
4.0	19.5	1523.6	850.0	-0.2	-11.2	88.9	4.0	-4.0	-0.1	286.0	291.3	1.9	43.2	0.6	294.
4.9	21.9	1761.6	825.0	-1.7	-17.8	94.9	4.2	-4.2	0.4	286.8	290.1	1.2	28.3	0.8	287.
5.7	24.3	2006.2	800.0	-2.6	-25.8	83.9	3.3	-3.3	-0.4	288.4	290.2	0.6	14.7	1.0	284.
6.6	26.6	2257.5	775.0	-3.3	-31.8	93.4	2.9	-2.9	0.2	290.3	291.4	0.3	8.9	1.1	281.
7.6	29.1	2516.2	750.0	-4.1	-38.1	82.0	4.7	-4.7	-0.7	292.2	292.8	0.2	5.0	1.3	282.
8.5	31.6	2785.1	725.0	-1.4	-38.0	52.9	7.7	-6.2	-4.7	297.9	298.6	0.2	4.1	1.6	273.
9.5	34.1	3066.5	700.0	2.2	-36.5	47.5	8.9	-6.5	-6.0	304.9	305.7	0.2	3.7	2.0	263.
10.6	36.7	3358.9	675.0	0.2	-37.3	48.2	8.6	-6.4	-5.7	305.9	306.6	0.2	3.9	2.5	255.
11.7	39.3	3660.0	650.0	-2.1	-33.1	48.9	7.6	-5.7	-5.0	306.6	307.8	0.4	7.0	3.0	250.
12.8	42.0	3969.5	625.0	-4.8	-30.5	44.7	5.7	-4.0	-4.0	306.9	308.5	0.5	11.2	3.4	247.
13.8	44.8	4285.8	600.0	-7.1	-30.5	30.2	4.1	-2.1	-3.6	307.9	309.5	0.5	13.4	3.6	245.
14.9	47.5	4620.4	575.0	-9.0	-28.7	28.1	4.1	-1.9	-3.6	309.5	311.5	0.6	18.3	3.9	243.
16.1	50.3	4962.5	550.0	-11.6	-30.3	39.8	2.9	-1.9	-2.3	310.3	312.2	0.6	19.3	4.1	241.
17.3	53.3	5318.0	525.0	-13.9	-31.9	65.6	1.9	-1.8	-0.8	311.7	313.4	0.5	19.9	4.2	240.
18.6	56.3	5686.4	500.0	-16.5	-34.3	72.1	2.5	-2.4	-0.8	313.0	314.4	0.4	19.7	4.4	241.
20.0	59.4	6070.2	475.0	-19.5	-36.2	72.6	2.4	-2.3	-0.7	313.8	314.9	0.3	17.2	4.6	241.
21.3	62.6	6469.3	450.0	-22.9	-39.9	74.8	2.0	-2.0	-0.5	314.5	315.4	0.3	19.2	4.7	242.
22.9	65.9	6885.3	425.0	-26.0	-43.5	103.3	1.5	-1.5	0.3	315.7	316.4	0.2	17.2	5.0	242.
24.4	69.3	7320.8	400.0	-30.1	-45.7	188.5	1.6	0.2	1.6	315.9	316.5	0.2	19.8	4.9	243.
26.0	72.9	7776.6	375.0	-33.3	-49.1	189.2	1.2	0.2	1.2	317.2	317.6	0.1	19.0	4.8	245.
27.8	76.6	8256.9	350.0	-37.2	-52.2	177.1	1.9	-0.1	1.9	318.6	318.9	0.1	19.0	4.8	246.
29.5	80.3	8764.8	325.0	-41.1	99.9	223.2	3.7	2.5	2.7	320.1	999.9	99.9	999.9	4.5	248.
31.4	84.3	9303.5	300.0	-45.4	99.9	235.7	2.1	1.8	1.2	321.4	999.9	99.9	999.9	4.2	250.
33.5	88.6	9877.9	275.0	-50.0	99.9	99.2	2.0	-2.0	0.3	322.9	999.9	99.9	999.9	4.1	250.
35.6	93.0	10493.7	250.0	-55.2	99.9	50.7	3.7	-2.9	-2.3	323.9	999.9	99.9	999.9	4.5	248.
38.1	97.8	11158.3	225.0	-60.4	99.9	49.8	2.5	-1.5	-1.6	325.9	999.9	99.9	999.9	5.0	246.
40.6	103.0	11865.1	200.0	-64.1	99.9	206.6	4.3	1.9	3.9	331.2	999.9	99.9	999.9	5.1	246.
43.4	108.4	12711.7	175.0	-60.0	99.9	265.0	12.2	12.2	1.1	351.0	999.9	99.9	999.9	3.6	240.
46.7	114.5	13680.0	150.0	-58.4	99.9	272.4	14.9	14.9	-0.6	369.6	999.9	99.9	999.9	1.8	191.
50.5	121.3	14827.3	125.0	-58.4	99.9	280.2	13.0	12.8	-2.3	389.3	999.9	99.9	999.9	3.7	127.
55.1	128.7	16230.0	100.0	-58.9	99.9	285.8	10.5	10.1	-2.9	413.9	999.9	99.9	999.9	6.5	116.
61.0	137.3	18043.8	75.0	-58.1	99.9	302.9	8.7	7.3	-4.7	451.1	999.9	99.9	999.9	10.0	115.
66.5	147.0	20666.4	50.0	-56.7	99.9	330.1	4.2	2.1	-3.7	509.8	999.9	99.9	999.9	12.9	116.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

2 MAY 1978
1415 GMT

69 324. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.6	867.0	923.5	4.4	0.4	120.0	3.1	-2.7	1.5	283.9	295.2	4.3	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	1056.8	900.0	4.0	-3.9	144.6	3.5	-2.0	2.9	285.6	294.2	3.2	56.3	0.4	316.
0.0	15.7	1285.5	875.0	3.0	-6.8	130.3	3.8	-2.5	2.4	286.9	296.1	2.6	48.6	0.7	313.
1.9	17.9	1515.6	850.0	1.2	-8.5	126.1	4.3	-3.4	2.5	287.4	294.4	2.4	41.1	1.0	311.
2.9	20.2	1759.2	825.0	-0.4	-12.0	122.4	4.9	-4.1	2.6	288.2	293.8	1.8	35.3	1.2	308.
3.9	22.5	2004.5	800.0	-1.6	-15.3	114.0	4.1	-3.7	1.7	289.5	293.2	1.5	9.4	1.4	306.
4.8	24.8	2256.9	775.0	-1.8	-29.9	114.0	4.9	-4.5	2.0	291.9	297.4	0.4	9.8	1.8	304.
5.8	27.2	2516.9	750.0	-0.6	-28.7	115.5	6.5	-5.9	2.8	295.9	299.9	0.5	10.0	2.2	302.
6.8	29.6	2783.3	725.0	-1.0	-28.7	123.5	7.4	-6.2	4.1	298.4	302.5	0.7	15.6	2.5	304.
7.8	32.1	3058.3	700.0	-2.1	-24.7	130.2	8.9	-6.8	5.7	300.2	304.4	1.0	24.3	3.1	305.
8.8	34.6	3340.3	675.0	-3.9	-21.4	133.6	9.6	-6.9	6.6	301.2	305.5	1.0	25.8	4.1	307.
9.8	37.2	3630.2	650.0	-5.9	-22.4	138.8	9.9	-5.8	6.7	302.4	310.0	2.0	58.4	4.7	309.
10.8	39.8	3928.9	625.0	-5.8	-14.5	138.7	9.8	-6.4	7.3	303.9	312.2	2.2	68.7	5.5	310.
11.8	42.4	4237.4	600.0	-7.5	-14.8	144.0	10.0	-5.9	8.1	305.6	315.1	2.5	86.5	6.3	312.
12.8	45.1	4556.1	575.0	-9.1	-12.5	149.6	8.3	-4.2	7.1	307.5	315.7	2.2	86.6	6.9	314.
13.8	47.8	4886.0	550.0	-10.7	-14.6	152.8	6.4	-2.9	5.7	308.9	316.1	1.9	85.0	7.4	315.
14.8	50.6	5227.6	525.0	-12.8	-17.1	148.3	5.1	-2.7	4.4	310.2	316.4	1.6	81.6	7.9	316.
15.8	53.5	5582.0	500.0	-17.7	-20.1	150.5	3.6	-1.8	3.1	311.5	316.7	1.1	65.8	8.3	317.
16.8	56.5	5949.6	475.0	-20.0	-24.7	171.9	2.6	-0.4	2.6	313.2	317.1	0.8	60.5	8.5	319.
17.9	59.6	6331.1	450.0	-22.9	-28.4	189.7	2.2	0.4	2.1	314.4	317.4	0.6	63.9	8.7	321.
18.9	62.8	6727.5	425.0	-26.4	-31.6	208.0	2.9	1.3	2.5	315.2	317.8	0.5	61.2	8.8	324.
20.0	66.1	7139.4	400.0	-29.9	-34.9	216.8	3.3	2.0	2.7	316.2	317.9	0.3	57.5	9.1	328.
21.1	69.6	7567.5	375.0	-33.9	-39.3	211.5	3.9	2.1	3.4	316.7	318.4	0.2	55.0	9.6	334.
22.2	73.2	8013.5	350.0	-38.0	-43.6	220.8	4.4	2.9	3.3	317.6	318.4	0.2	999.9	999.9	999.
23.3	77.0	8478.5	325.0	-41.9	99.9	999.9	99.9	99.9	20.9	319.0	999.9	99.9	999.9	999.9	999.
24.5	80.9	8963.3	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
25.8	85.0	9469.1	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
27.1	89.3	9997.5	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
28.5	93.8	10549.4	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
30.0	98.5	11126.4	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
31.5	99.9	11730.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
33.1	99.9	12365.5	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
34.8	99.9	13033.3	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
36.6	99.9	13737.3	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
38.5	99.9	14481.3	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
40.5	99.9	15269.4	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
42.6	99.9	16107.0	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

C-2

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 13995
MARSHALL SFC, ALABAMA

2 MAY 1978
1416 GMT

152 36. 8

TIME MIN	CATCF	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	155.0	996.4	12.8	5.0	340.0	2.6	0.9	-2.4	286.4	300.9	1.5	56.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	344.4	975.0	9.9	1.3	43.4	5.9	-4.0	-4.3	285.1	294.3	4.2	53.8	0.2	203.
[illegible]	[illegible]	555.6	950.0	8.4	-1.6	58.3	6.6	-5.6	-3.5	285.7	295.4	3.6	49.4	0.5	219.
2.2	[illegible]	782.0	925.0	8.5	-3.6	49.3	8.7	-6.6	-5.7	288.0	296.7	3.2	42.2	0.9	227.
3.1	16.5	1024.0	900.0	7.2	-6.0	42.5	10.8	-7.3	-7.9	288.9	296.4	2.7	32.6	1.4	226.
4.0	19.5	1237.2	875.0	7.3	-17.5	31.7	9.9	-5.2	-8.4	291.3	294.6	1.1	15.2	1.9	222.
4.4	[illegible]	1476.0	850.0	7.7	-23.6	2.1	9.6	-0.4	-9.6	294.2	296.9	0.9	11.3	2.4	219.
5.7	[illegible]	1721.2	825.0	6.6	-19.8	331.9	9.2	4.3	-8.1	295.5	298.4	1.0	13.0	2.7	210.
6.7	[illegible]	1973.7	800.0	7.2	-22.4	312.7	9.5	7.0	-6.4	298.8	301.3	0.8	9.9	2.9	201.
7.7	[illegible]	2234.7	775.0	7.2	-17.5	315.9	11.5	8.7	-7.4	301.6	305.4	1.2	15.2	3.2	193.
8.7	[illegible]	2503.2	750.0	5.7	-20.1	337.2	14.4	11.5	-6.7	302.4	305.4	1.0	13.8	3.6	179.
[illegible]	[illegible]	2779.2	725.0	3.5	-9.6	332.1	16.5	14.3	-8.7	303.3	316.9	2.5	37.4	4.3	168.
[illegible]	[illegible]	[illegible]	700.0	1.9	-6.4	330.7	16.8	14.2	-9.6	304.6	314.5	3.4	54.6	5.2	158.
[illegible]	[illegible]	[illegible]	675.0	0.7	-12.9	257.6	21.6	19.1	-15.0	304.4	313.9	2.5	41.5	6.2	151.
[illegible]	[illegible]	3658.5	650.0	-3.8	-15.8	291.7	24.7	22.9	-9.1	308.1	313.4	1.7	31.6	7.7	143.
[illegible]	[illegible]	3975.9	625.0	-2.9	-20.1	287.5	26.7	25.5	-8.0	309.1	313.1	1.2	25.2	9.2	137.
14.4	[illegible]	4252.1	600.0	-5.7	-17.5	285.8	29.3	28.2	-8.0	309.6	314.6	1.6	38.7	10.9	132.
[illegible]	[illegible]	4574.3	575.0	-8.3	-19.7	285.1	28.7	27.7	-7.5	310.3	314.7	1.4	39.0	12.8	128.
16.7	[illegible]	4867.5	550.0	-10.3	-25.4	286.8	26.6	24.9	-7.5	311.8	314.0	0.7	21.1	14.8	125.
[illegible]	[illegible]	[illegible]	525.0	-12.4	-27.0	288.6	25.2	23.8	-8.0	313.5	315.8	0.7	23.5	16.7	123.
[illegible]	[illegible]	[illegible]	500.0	[illegible]	-31.7	288.2	27.4	25.7	-8.4	314.9	314.9	0.6	24.3	18.9	121.
[illegible]	[illegible]	[illegible]	475.0	-17.6	-27.9	286.8	27.0	25.8	-7.8	316.2	318.4	0.7	33.6	21.1	120.
[illegible]	[illegible]	6445.5	450.0	[illegible]	-32.2	287.4	27.3	25.8	-8.1	317.9	319.6	0.6	32.9	23.2	118.
24.5	[illegible]	[illegible]	425.0	-24.1	-31.4	287.4	32.4	30.9	-9.7	319.4	321.8	0.7	56.9	25.6	117.
[illegible]	76.1	7167.5	400.0	-26.3	-34.1	288.5	33.9	32.2	-10.8	320.8	322.4	0.5	47.3	28.8	116.
[illegible]	79.8	7559.8	375.0	-30.3	-37.0	287.4	34.8	33.2	-12.4	321.5	323.9	0.4	51.4	32.2	115.
[illegible]	[illegible]	8258.1	350.0	-34.3	-39.4	290.9	40.5	37.9	-14.5	322.5	323.7	0.4	59.8	35.8	115.
[illegible]	[illegible]	[illegible]	325.0	-38.3	-42.9	293.0	42.7	39.3	-16.7	323.9	324.8	0.3	61.8	40.3	115.
33.3	[illegible]	[illegible]	300.0	-42.9	99.9	293.7	39.4	36.9	-14.0	325.5	999.9	99.9	999.9	44.7	114.
35.2	[illegible]	[illegible]	275.0	-47.2	99.9	293.7	45.6	42.7	-16.2	325.8	999.9	99.9	999.9	49.3	114.
[illegible]	[illegible]	[illegible]	250.0	-52.3	99.9	292.1	47.7	44.2	-17.9	326.4	999.9	99.9	999.9	55.3	114.
[illegible]	[illegible]	11232.5	225.0	-57.6	99.9	291.7	47.3*	43.9	-17.5	330.3	999.9	99.9	999.9	61.6	113.
[illegible]	[illegible]	11566.5	200.0	-62.5	99.9	291.5	53.6*	49.9	-19.6	333.8	999.9	99.9	999.9	68.6	113.
[illegible]	[illegible]	12783.3	175.0	-63.8	99.9	283.4	61.9*	58.4	-20.5	344.7	999.9	99.9	999.9	77.5	112.
47.4	[illegible]	13736.6	150.0	-62.5	99.9	288.0	53.1*	50.5	-16.4	362.5	999.9	99.9	999.9	89.0	112.
55.3	[illegible]	14865.9	125.0	-61.4	99.9	267.5	29.6*	29.6	1.3	383.8	999.9	99.9	999.9	97.4	112.
[illegible]	[illegible]	16243.8	100.0	-66.7	99.9	255.4	22.5*	21.7	5.7	418.5	999.9	99.9	999.9	102.3	111.
[illegible]	[illegible]	18045.3	75.0	-59.4	99.9	266.9	12.8*	12.8	0.7	446.5	999.9	99.9	999.9	104.7	110.
[illegible]	[illegible]	20565.7	50.0	-58.8	99.9	10.0	1.6*	-0.3	-1.6	505.1	999.9	99.9	999.9	112.3	110.
99.9	99.9	99.9	25.0	90.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33001
COLLEGE STATION, TEXAS

2 MAY 1978
1440 GMT

150 27. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.7	79.0	998.0	18.8	15.5	0.0	0.0	0.0	0.0	292.1	321.0	11.2	81.0	0.0	0.
99.	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
1.0	7.8	278.4	975.0	15.7	14.6	999.9	999.9	99.9	99.9	290.9	318.8	10.8	93.6	999.9	999.
1.9	10.2	459.1	950.0	15.2	14.4	999.9	999.9	99.9	99.9	292.7	321.1	11.0	94.9	999.9	999.
2.8	12.4	727.2	925.0	17.4	16.6	131.4	11.9	-9.0	7.9	297.2	331.4	13.0	95.1	2.0	275.
3.8	14.8	962.1	900.0	17.0	16.2	142.7	12.6	-7.7	10.1	299.0	333.8	13.0	95.2	2.6	286.
5.0	17.0	1202.0	875.0	14.1	13.3	155.9	12.7	-5.2	11.6	298.5	327.9	11.1	94.8	3.3	297.
6.1	19.6	1447.2	850.0	13.1	12.1	157.0	13.7	-5.3	12.6	299.9	328.2	10.5	93.7	4.0	305.
7.4	21.9	1698.8	825.0	12.1	11.1	157.9	13.0	-4.9	12.1	301.4	328.9	10.2	93.7	4.8	311.
8.1	24.5	1956.6	800.0	10.4	8.1	164.3	11.7	-3.2	11.3	302.2	325.7	8.6	86.0	5.4	314.
9.2	26.6	2220.6	775.0	13.3	-13.2	177.5	10.6	-0.5	10.6	308.2	313.7	1.8	14.4	5.9	318.
10.3	29.6	2497.4	750.0	14.3	-8.1	182.3	10.0	0.4	10.0	312.1	320.7	2.8	20.5	6.5	323.
11.5	32.3	2781.7	725.0	11.5	-9.2	186.5	7.0	0.8	7.0	312.1	320.2	2.6	22.5	7.0	326.
12.6	35.1	3073.7	700.0	9.7	-13.9	191.9	5.2	1.0	5.1	313.2	319.5	2.0	18.7	7.3	328.
13.9	37.7	3374.6	675.0	8.0	-16.3	205.4	4.4	1.9	4.0	314.7	319.7	1.6	15.8	7.5	330.
15.4	40.5	3684.2	650.0	5.2	-18.0	225.3	6.1	4.4	4.3	314.9	319.4	1.4	16.7	7.7	333.
16.8	43.4	4002.8	625.0	3.1	-19.5	235.5	8.2	6.8	4.7	316.0	320.2	1.3	17.1	7.9	337.
18.2	46.4	4331.8	600.0	0.1	-20.2	242.4	9.4	8.3	4.4	316.3	320.4	1.3	20.0	8.0	343.
19.6	49.5	4670.7	575.0	-3.0	-21.3	241.6	11.2	9.9	5.3	316.4	320.4	1.2	22.8	8.2	349.
21.1	52.5	5020.5	550.0	-6.4	-21.1	242.9	12.3	11.0	5.6	316.5	320.7	1.3	29.9	8.5	356.
22.7	55.6	5381.9	525.0	-9.8	-21.3	240.7	13.6	11.8	6.6	316.6	320.9	1.3	38.4	9.1	3.
24.3	58.9	5755.8	500.0	-13.4	-22.9	236.6	14.7	12.2	8.1	316.8	320.7	1.2	44.2	9.9	9.
25.9	62.3	6144.2	475.0	-16.0	-30.1	224.9	18.4	13.0	13.0	318.2	320.4	0.7	28.4	11.1	15.
27.7	65.8	6550.6	450.0	-17.2	-43.5	222.1	20.3	13.6	15.1	321.7	322.3	0.2	8.1	13.1	19.
29.9	69.3	6976.5	425.0	-20.2	-45.3	226.0	19.1	13.8	13.3	323.1	323.7	0.2	8.5	15.4	23.
31.9	73.0	7422.5	400.0	-23.7	-46.2	230.0	20.9	16.0	13.4	324.2	324.8	0.1	10.4	17.6	26.
34.0	76.8	7890.9	375.0	-27.6	-49.1	233.5	24.0	19.3	14.3	325.1	325.6	0.1	10.7	20.2	30.
36.1	80.9	8382.6	350.0	-31.9	-52.3	233.8	24.9	20.1	14.7	325.7	326.0	0.1	11.2	23.1	33.
38.2	85.0	8901.3	325.0	-35.9	-54.5	239.2	25.3	21.7	13.0	327.1	327.4	0.1	12.6	26.1	35.
41.0	89.4	9452.3	300.0	-40.1	99.9	250.4	27.9	26.3	9.4	328.8	999.9	99.9	999.9	29.9	40.
43.9	94.2	10041.3	275.0	-43.9	99.9	253.3	35.9	34.4	10.3	331.7	999.9	99.9	999.9	34.6	45.
46.5	99.0	10675.6	250.0	-46.1	99.9	257.8	42.7	41.7	9.0	334.5	999.9	99.9	999.9	39.9	49.
49.0	104.0	11362.3	225.0	-53.6	99.9	262.3	45.4	45.0	6.1	336.4	999.9	99.9	999.9	45.9	53.
52.0	109.8	12110.3	200.0	-59.0	99.9	271.1	43.9	43.9	-0.8	339.4	999.9	99.9	999.9	52.9	58.
55.5	115.8	12939.3	175.0	-63.2	99.9	268.1	39.7	39.7	1.3	345.6	999.9	99.9	999.9	60.4	63.
59.2	122.5	13879.5	150.0	-66.8	99.9	256.0	46.6	45.2	11.3	355.1	999.9	99.9	999.9	69.4	65.
63.1	129.7	14979.5	125.0	-66.9	99.9	267.7	38.9**	38.9	1.6	373.8	999.9	99.9	999.9	81.4	67.
67.9	137.3	16340.2	100.0	-66.5	99.9	253.9	7.7	7.4	2.1	399.4	999.9	99.9	999.9	85.6	68.
74.3	145.3	18052.6	75.0	-63.4	99.9	255.9	11.6	11.2	2.8	440.0	999.9	99.9	999.9	89.2	68.
82.4	153.7	20595.6	50.0	-60.1	99.9	349.7	4.9	0.9	-4.9	501.9	999.9	99.9	999.9	92.3	69.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

2 May 1978

1800 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

2 MAY 1978
1700 GMT

162 11. 8

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.2	7.0	1011.0	25.8	21.9	120.0	3.1	-2.7	1.5	298.0	341.4	16.6	79.8	0.0	0.
0.4	6.2	103.3	1000.0	23.1	20.4	999.9	99.9	99.9	99.9	296.3	336.1	15.3	84.6	999.9	999.
1.3	8.5	324.8	975.0	22.2	18.6	999.9	999.9	99.9	99.9	297.5	334.2	14.0	79.9	999.9	999.
2.3	10.8	550.6	950.0	20.6	18.1	999.9	999.9	99.9	99.9	298.1	334.7	13.9	85.5	0.2	291.
3.0	13.2	731.2	925.0	19.1	16.8	222.5	1.7	1.1	1.2	298.9	333.6	13.1	86.2	0.2	296.
3.8	15.5	1017.0	900.0	17.6	14.6	239.6	3.1	2.7	1.6	299.7	330.9	11.7	82.4	0.2	352.
4.8	17.9	1257.9	875.0	16.1	12.6	237.0	4.0	3.4	2.2	300.5	329.0	10.6	80.1	0.3	26.
5.7	20.3	1504.3	850.0	14.5	11.5	255.5	4.3	4.1	1.1	301.3	328.7	10.1	82.3	0.5	41.
6.7	22.8	1756.5	825.0	12.7	10.2	269.4	4.9	4.9	0.1	302.0	327.9	9.5	84.7	0.8	57.
7.6	25.3	2014.7	800.0	11.3	4.0	264.7	5.7	5.7	0.5	303.2	321.2	6.5	61.6	1.0	65.
8.5	27.7	2280.3	775.0	11.9	-7.2	258.0	8.4	8.2	1.7	306.6	315.3	2.9	26.0	1.4	70.
9.5	30.2	2553.9	750.0	10.3	-1.1	250.7	9.2	8.7	3.1	307.8	321.5	4.7	45.2	1.9	71.
10.4	32.9	2835.0	725.0	8.3	0.5	247.0	10.9	10.0	4.3	308.6	324.4	5.5	57.6	2.4	70.
11.4	35.6	3123.8	700.0	6.1	-8.6	252.2	12.0	11.4	3.7	309.2	318.1	3.0	35.5	3.2	70.
12.5	38.3	3421.2	675.0	5.4	-23.5	264.0	12.6	12.5	1.3	311.7	314.5	0.8	10.2	3.9	71.
13.5	41.0	3727.8	650.0	3.1	-22.9	272.1	12.6	12.6	-0.5	312.5	315.5	0.9	12.6	4.7	74.
14.7	43.9	4043.7	625.0	-0.1	-16.8	282.0	11.7	11.4	-2.4	312.3	317.5	1.6	27.1	5.5	78.
15.8	46.8	4369.3	600.0	-2.3	-12.8	291.2	12.4	11.6	-4.5	313.4	320.8	2.4	44.9	6.2	81.
17.0	49.8	4705.5	575.0	-5.3	-15.9	295.8	15.1	13.6	-6.6	313.8	319.9	1.9	43.1	7.0	86.
18.1	52.8	5053.5	550.0	-7.1	-17.8	291.8	17.4	16.2	-6.5	315.6	321.1	1.7	42.5	8.0	89.
19.2	55.9	5414.2	525.0	-10.1	-17.0	289.2	17.5	16.5	-5.8	316.3	322.4	1.9	57.1	9.1	92.
20.5	59.1	5789.0	500.0	-12.6	-19.8	288.1	18.2	17.3	-5.6	317.7	322.8	1.6	54.5	10.4	94.
21.9	62.4	6178.7	475.0	-15.2	-27.6	286.8	22.0	21.0	-6.3	319.1	321.9	0.8	33.7	12.1	96.
23.3	65.8	6585.3	450.0	-18.0	-29.3	285.0	24.9	24.1	-6.4	320.6	323.1	0.7	36.2	14.0	97.
24.8	69.3	7010.7	425.0	-20.1	-29.4	284.1	23.1	22.4	-5.6	323.3	326.0	0.8	42.8	16.3	98.
26.4	72.9	7457.4	400.0	-23.3	-32.6	281.0	24.0	23.6	-4.6	324.8	326.9	0.6	41.5	18.4	99.
28.0	76.6	7926.6	375.0	-26.9	-40.1	279.6	24.3	23.9	-4.1	326.0	327.2	0.3	27.1	20.8	99.
29.7	80.5	8421.1	350.0	-30.4	-42.9	274.6	25.4	25.3	-2.0	327.8	328.7	0.2	27.9	23.2	99.
31.3	84.5	8943.6	325.0	-35.0	-46.4	274.6	27.8	27.7	-2.2	328.4	329.1	0.2	29.9	25.8	98.
33.3	88.8	9496.2	300.0	-39.6	-51.0	279.5	29.2	28.8	-4.8	329.5	330.0	0.1	28.1	29.2	98.
35.3	93.3	10084.7	275.0	-44.7	99.9	283.7	31.6	30.7	-7.5	330.5	999.9	99.9	999.9	32.9	99.
37.5	98.0	10716.0	250.0	-48.7	99.9	288.8	35.8	33.9	-11.5	333.7	999.9	99.9	999.9	37.0	99.
39.8	103.0	11403.9	225.0	-51.9	99.9	290.6	36.8	34.5	-12.9	338.9	999.9	99.9	999.9	42.2	101.
42.5	108.4	12156.7	200.0	-57.8	99.9	285.6	37.9	36.5	-10.2	341.3	999.9	99.9	999.9	47.6	102.
45.1	114.3	12956.7	175.0	-63.7	99.9	281.3	47.1	46.2	-9.2	344.8	999.9	99.9	999.9	54.4	102.
48.3	120.5	13527.0	150.0	-66.9	99.9	279.2	56.9	56.2	-9.1	354.8	999.9	99.9	999.9	64.1	101.
51.8	127.3	15021.6	125.0	-67.5	99.9	280.0	43.9	43.2	-7.7	372.8	999.9	99.9	999.9	76.1	102.
56.4	135.0	16366.1	100.0	-66.0	99.9	276.7	25.9	25.7	-3.0	400.2	999.9	99.9	999.9	84.9	101.
62.1	143.3	18123.1	75.0	-63.9	99.9	275.1	12.5	12.5	-1.1	439.1	999.9	99.9	999.9	90.9	100.
69.6	152.0	20629.2	50.0	-58.4	99.9	251.5	4.4	4.2	1.4	505.9	999.9	99.9	999.9	93.9	100.
81.3	161.0	25070.8	25.0	-50.2	99.9	999.9	999.9	99.9	99.9	640.3	999.9	99.9	999.9	94.9	100.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

2 MAY 1978
1715 GMT

148 57. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	1.0	1009.3	26.8	23.5	110.0	7.1	-6.7	2.4	299.2	347.2	18.4	82.0	0.0	0.
0.3	5.1	82.0	1000.0	25.9	22.9	122.1	8.1	-6.8	4.3	297.0	343.4	17.9	84.3	0.3	291.
1.0	7.1	304.9	975.0	22.5	21.5	127.5	8.0	-6.3	4.9	297.8	341.7	16.8	94.3	0.5	297.
1.8	9.3	531.5	950.0	21.2	20.5	118.9	6.7	-5.9	3.2	298.7	341.2	16.2	95.9	0.8	301.
2.6	11.4	763.1	925.0	20.3	18.8	146.8	7.0	-3.8	5.8	300.1	339.8	15.8	91.4	1.1	304.
3.5	13.7	1000.0	900.0	18.6	16.5	153.3	8.0	-3.6	7.1	300.7	336.1	13.3	87.2	1.5	311.
4.3	15.8	1241.8	875.0	17.3	14.8	152.7	7.9	-3.6	7.0	301.8	334.7	12.2	85.0	1.9	316.
5.3	18.3	1488.2	850.0	15.7	11.3	163.9	7.3	-2.0	7.0	302.6	329.7	9.9	74.8	2.3	319.
6.1	20.6	1743.2	825.0	15.4	9.7	190.5	7.9	1.4	7.7	304.9	330.3	8.2	68.8	2.6	324.
7.0	23.0	2003.7	800.0	13.7	7.9	207.1	7.9	3.6	7.1	305.8	329.2	8.4	67.9	2.8	332.
7.8	25.5	2271.3	775.0	11.9	8.4	222.7	7.4	5.0	5.4	306.6	331.7	9.8	79.8	3.0	338.
8.5	27.9	2545.4	750.0	9.7	6.7	234.6	7.4	6.8	4.3	307.1	330.3	8.3	82.8	3.2	346.
9.8	30.8	2826.4	725.0	7.4	3.9	232.7	6.8	5.4	4.1	307.6	327.4	7.8	78.4	3.4	352.
11.0	33.3	3114.5	700.0	6.4	-11.5	227.9	7.3	5.4	4.9	309.5	317.2	2.5	25.8	3.6	358.
12.0	35.9	3413.0	675.0	6.4	-22.9	227.8	10.0	7.4	6.7	312.8	315.7	0.9	10.8	4.0	4.
13.1	38.7	3721.2	650.0	4.3	-23.5	231.2	11.7	9.1	7.4	313.8	316.7	0.9	11.1	4.5	10.
14.2	41.3	4039.7	625.0	1.9	-22.1	238.6	13.5	11.5	7.0	314.6	318.0	1.0	14.8	5.2	17.
15.3	44.3	4366.0	600.0	-1.0	-19.1	247.4	14.3	13.2	5.5	315.0	319.6	1.5	24.8	5.8	23.
16.5	47.4	4703.6	575.0	-4.4	-13.8	252.2	15.1	14.4	4.6	314.9	322.1	2.3	48.0	6.6	30.
17.5	50.4	5052.3	550.0	-6.7	-24.4	256.9	15.4	15.0	3.5	316.1	319.3	1.0	22.8	7.5	37.
19.1	53.6	5412.5	525.0	-9.5	-29.8	262.8	14.4	14.3	1.8	317.0	319.1	0.6	17.3	8.4	42.
20.4	56.7	5784.6	500.0	-12.1	-36.7	269.4	13.7	13.7	0.1	318.3	319.5	0.3	10.8	9.2	47.
21.8	60.1	6170.7	475.0	-15.5	-30.8	263.9	15.2	15.2	1.6	318.9	321.0	0.6	25.6	10.1	51.
23.1	63.7	6585.0	450.0	-18.2	-36.5	263.3	15.3	15.2	1.8	320.3	321.4	0.3	14.9	11.2	54.
24.6	67.2	7009.4	425.0	-21.1	-40.2	266.1	16.5	16.5	1.1	322.0	323.0	0.3	15.9	12.4	58.
26.1	70.9	7454.3	400.0	-24.5	-47.4	265.5	19.6	19.6	1.5	323.2	323.6	0.1	9.8	13.9	61.
27.7	74.7	7922.0	375.0	-27.2	-51.7	262.7	19.9	19.7	2.5	325.7	326.0	0.1	7.7	15.6	64.
29.5	79.0	8415.4	350.0	-31.3	-55.0	263.4	20.9	20.8	2.4	326.6	326.8	0.1	7.5	17.6	66.
31.1	82.8	8936.6	325.0	-35.2	-57.2	265.2	20.7	20.6	1.7	328.2	328.4	0.0	8.4	19.7	68.
33.0	87.2	9485.0	300.0	-39.6	99.9	269.9	21.2	21.2	0.0	329.5	999.9	99.9	999.9	21.9	70.
34.9	92.0	10078.2	275.0	-43.6	99.9	279.4	28.0	27.7	-4.6	332.1	999.9	99.9	999.9	24.2	72.
36.5	96.8	10712.7	250.0	-48.3	99.9	283.2	39.3	38.3	-9.0	334.2	999.9	99.9	999.9	28.0	77.
39.1	101.8	11394.8	225.0	-53.7	99.9	282.2	43.9	42.9	-9.3	336.3	999.9	99.9	999.9	33.0	81.
41.4	107.8	12146.1	200.0	-59.6	99.9	278.0	47.1	46.6	-6.6	338.4	999.9	99.9	999.9	39.0	84.
44.2	113.8	12996.5	175.0	-64.8	99.9	269.7	47.0	47.0	0.2	343.0	999.9	99.9	999.9	46.8	86.
47.0	120.5	13902.4	150.0	-68.5	99.9	264.7	52.7	52.7	1.2	352.1	999.9	99.9	999.9	54.9	86.
50.4	128.0	14985.6	125.0	-71.0	99.9	272.6	44.8	43.9	-2.0	366.5	999.9	99.9	999.9	65.8	87.
54.7	136.3	16323.2	100.0	-67.5	99.9	267.8	21.9	21.9	1.1	397.3	999.9	99.9	999.9	73.4	87.
60.2	144.5	18056.3	75.0	-64.5	99.9	252.3	18.4	9.9	3.2	437.9	999.9	99.9	999.9	78.4	87.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

2 MAY 1978
1700 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
										160	13.	*			
0.0	4.8	100.0	1001.3	17.8	11.1	90.6	3.1	-3.1	0.0	290.9	312.7	8.4	65.0	0.0	0.
0.1	6.9	118.1	1000.0	17.1	9.4	76.2	5.3	-5.1	-1.3	290.2	309.8	7.5	60.7	0.1	297.
0.9	9.4	346.6	975.0	14.2	7.8	65.9	7.2	-6.6	-2.9	289.5	307.4	6.8	65.1	0.3	247.
1.6	11.9	585.4	950.0	12.7	8.6	2.6	7.4	-6.5	-3.4	293.1	308.7	7.1	72.9	0.6	247.
2.4	14.4	765.6	925.0	14.6	14.2	45.7	6.6	-6.4	-1.6	294.2	323.2	11.1	97.5	0.9	245.
3.3	17.5	1002.3	900.0	14.3	14.3	122.3	5.3	-4.5	2.8	296.3	326.5	11.5	99.9	1.2	252.
4.1	19.6	1201.8	875.0	14.6	14.4	150.7	4.0	-1.4	3.8	298.9	330.6	11.9	99.9	1.3	263.
5.0	22.2	1437.4	850.0	13.7	12.8	132.3	1.4	-1.0	0.9	300.5	330.2	11.1	94.8	1.3	268.
5.8	24.9	1715.5	825.0	12.9	11.2	30.2	0.9	-0.4	-0.8	302.2	330.0	10.2	89.8	1.2	268.
6.6	27.6	1994.4	800.0	11.9	8.1	317.5	1.5	1.0	-1.1	303.9	327.4	8.9	77.4	1.3	266.
7.5	30.1	2250.0	775.0	10.0	7.9	269.9	2.9	2.9	0.5	304.5	328.5	8.7	87.0	1.2	265.
8.3	32.1	2456.3	750.0	7.8	7.5	252.7	3.6	3.4	1.1	305.0	329.3	8.7	93.1	1.0	267.
9.2	33.9	2615.6	725.0	6.0	5.8	256.0	5.5	5.4	1.3	306.1	328.2	7.9	97.2	0.8	271.
10.1	35.8	3[illegible]5.5	700.0	8.0	-42.0	240.5	7.1	6.1	3.5	311.3	311.9	0.2	1.7	0.4	289.
11.0	41.8	3[illegible]4.9	675.0	9.4	-11.4	241.7	12.4	10.9	5.9	311.7	319.3	2.4	28.7	0.5	356.
12.7	44.7	3735.9	650.0	2.8	-14.6	266.4	16.8	16.8	1.1	312.1	318.0	1.9	26.3	1.3	58.
13.5	47.7	4004.7	625.0	0.2	-22.5	254.7	16.4	15.8	4.3	312.7	316.3	1.1	18.6	2.3	70.
14.3	50.8	4[illegible]4.1	600.0	-2.4	-25.5	254.3	18.3	17.6	4.8	313.4	315.3	0.6	10.3	3.4	71.
15.2	54.5	4[illegible]6.3	575.0	-4.9	-26.9	258.0	19.6	19.2	4.1	314.2	316.7	0.7	15.8	4.9	72.
16.4	57.3	5[illegible]4.1	550.0	-7.6	-32.0	259.6	19.4	19.1	3.5	315.1	315.9	0.2	6.0	6.3	74.
17.7	60.5	5[illegible]4.1	525.0	-10.5	-45.0	260.3	19.8	19.6	3.2	315.8	316.3	0.1	3.7	7.7	75.
19.0	63.6	5[illegible]7.8	500.0	-13.0	-37.6	261.6	20.9	20.7	3.0	317.1	318.2	0.3	10.7	9.5	76.
20.4	67.0	6[illegible]0.4	475.0	-16.2	-24.1	261.1	22.2	21.9	3.4	317.9	321.6	1.1	30.3	11.1	77.
22.0	70.5	6[illegible]3.3	450.0	-18.7	-26.1	264.8	24.4	24.3	2.2	319.8	321.1	0.4	19.8	13.2	78.
24.1	74.7	6[illegible]6.9	425.0	-21.6	-46.4	272.5	26.1	26.1	-1.1	321.3	321.8	0.1	8.9	15.3	79.
25.6	78.5	7[illegible]0.7	400.0	-25.1	-43.5	277.4	27.0	26.8	-3.5	322.4	323.3	0.3	21.6	17.8	82.
27.9	82.5	7[illegible]4.9	375.0	-27.9	-46.2	275.3	27.7	27.5	-2.5	324.6	325.3	0.2	16.5	20.6	84.
29.2	86.6	8[illegible]7.4	350.0	-31.4	-54.4	272.1	27.3	27.3	-1.0	326.4	326.7	0.1	8.4	23.3	85.
30.0	90.8	9[illegible]7.9	325.0	-35.1	-72.6	273.7	26.4	26.3	-1.7	328.3	328.3	0.0	1.5	26.0	86.
-3.0	95.3	9[illegible]0.2	300.0	-39.8	99.9	278.1	26.8	26.5	-3.8	329.2	999.9	99.9	999.9	29.1	87.
33.1	100.6	1[illegible]7.7	275.0	-45.1	99.9	275.7	32.0	31.9	-3.[illegible]	329.9	999.9	99.9	999.9	32.7	88.
37.2	105.0	1[illegible]8.3	250.0	-49.4	99.9	278.1	37.2	36.8	-5.2	332.6	999.9	99.9	999.9	37.7	89.
39.9	110.8	1[illegible]2.3	225.0	-55.8	99.9	277.7	44.4	44.0	-6.0	336.0	999.9	99.9	999.9	43.4	90.
42.1	115.8	1[illegible]0.3	200.0	-58.7	99.9	281.3	48.8	47.9	-9.6	339.9	999.9	99.9	999.9	50.7	91.
43.1	121.5	1[illegible]9.7	175.0	-64.8	99.9	279.2	48.1	39.7	-5.7	344.4	999.9	99.9	999.9	58.3	93.
48.3	128.6	1[illegible]4.9	150.0	-66.9	99.9	269.3	46.2	46.2	0.5	351.4	999.9	99.9	999.9	65.4	93.
51.9	136.0	1[illegible]4.5	125.0	-65.9	99.9	281.1	29.9	29.3	-5.8	375.7	999.9	99.9	999.9	74.7	93.
56.2	142.8	1[illegible]5.6	100.0	-65.0	99.9	268.1	24.4	24.4	0.8	402.2	999.9	99.9	999.9	86.8	93.
62.3	151.3	1[illegible]2.9	75.0	-61.4	99.9	281.9	13.4	13.1	-2.8	443.8	999.9	99.9	999.9	85.9	93.
65.4	162.3	2[illegible]7.0	50.0	-60.2	99.9	334.3	9.2	4.0	-8.3	501.6	999.9	99.9	999.9	89.7	94.
81.7	169.7	2[illegible]2.5	25.0	-49.8	99.9	999.9	999.9	99.9	99.9	641.9	999.9	99.9	999.9	91.4	93.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

2 MAY 1978
1700 GMT

145 58. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.5	5.0	1007.0	21.7	15.1	50.0	7.1	-5.4	-4.6	294.3	322.5	10.8	66.0	0.0	0.
0.1	6.1	65.5	1000.0	20.5	15.6	68.3	10.7	-10.0	-4.0	293.7	323.0	11.3	73.5	0.5	239.
0.5	8.3	283.7	975.0	18.1	15.5	69.5	10.0	-9.4	-3.5	293.4	323.2	11.5	84.5	0.7	242.
1.0	10.5	506.3	950.0	17.2	16.4	82.9	10.1	-10.0	-1.2	294.7	327.4	12.6	95.0	1.2	245.
2.0	12.8	735.6	925.0	18.2	17.9	118.2	10.8	-9.5	5.1	298.0	335.0	14.1	97.7	1.8	259.
3.7	15.1	971.3	900.0	17.9	17.0	131.9	11.6	-8.7	7.8	300.0	336.3	13.7	94.5	2.3	271.
4.8	17.5	1213.2	875.0	16.8	15.8	146.6	12.3	-6.8	10.3	301.2	336.2	13.1	94.3	2.8	283.
5.7	19.8	1460.7	850.0	15.7	14.9	154.1	12.6	-5.5	11.4	302.6	336.8	12.7	95.2	3.3	292.
6.7	22.2	1714.2	825.0	14.0	10.8	168.9	11.5	-2.2	11.2	303.4	330.6	10.0	81.3	3.8	299.
7.5	24.7	1974.5	800.0	14.3	7.8	191.1	12.3	2.4	12.0	306.4	329.8	8.4	64.9	4.1	306.
8.5	27.2	2242.6	775.0	13.2	7.6	205.8	14.1	6.1	12.7	308.0	332.1	8.6	69.8	4.4	316.
9.6	29.7	2517.8	750.0	10.4	7.5	204.1	15.2	6.2	13.9	307.9	332.6	8.8	82.5	4.8	327.
10.7	32.3	2800.3	725.0	9.7	2.8	199.3	16.7	5.5	15.7	310.1	328.8	6.5	62.0	5.5	336.
11.7	34.9	3091.4	700.0	8.4	-6.4	198.9	14.9	4.8	14.1	311.8	322.0	3.4	34.4	6.3	342.
13.0	37.6	3391.4	675.0	7.9	-45.1	196.7	15.6	4.5	14.9	314.5	314.9	0.1	1.0	7.2	347.
14.1	40.3	3701.1	650.0	5.5	-9.6	205.6	14.3	6.2	12.9	315.2	324.0	2.8	32.8	8.0	351.
15.3	43.1	4019.9	625.0	3.0	-48.1	219.8	12.4	8.0	9.5	315.9	316.2	0.1	1.0	8.8	355.
16.6	45.9	4348.8	600.0	0.7	-49.6	240.1	10.7	9.3	5.4	316.9	317.1	0.1	1.0	9.3	359.
17.9	48.8	4687.8	575.0	-2.8	-42.6	252.7	12.0	11.4	3.6	316.7	317.2	0.2	2.8	9.7	4.
19.3	51.8	5038.5	550.0	-5.3	-28.9	255.1	13.9	13.4	3.6	317.9	320.2	0.7	15.0	10.1	10.
20.7	54.9	5401.8	525.0	-8.0	-32.4	246.9	13.8	12.7	5.4	318.8	320.5	0.5	11.9	10.7	16.
22.0	57.9	5778.4	500.0	-10.8	-56.8	233.3	14.0	11.2	8.4	319.9	320.0	0.0	1.0	11.5	20.
23.4	61.0	6170.3	475.0	-13.7	-58.6	225.8	15.1	10.9	10.6	321.0	321.1	0.0	1.0	12.6	22.
24.9	64.4	6578.5	450.0	-17.0	-60.7	230.2	16.6	12.7	10.6	321.9	322.0	0.0	1.0	13.8	25.
26.4	67.8	7005.3	425.0	-19.6	-62.4	234.5	18.9	15.4	11.0	323.9	324.0	0.0	1.0	15.3	28.
28.1	71.3	7452.7	400.0	-23.0	-64.6	234.9	18.7	15.3	10.7	325.1	325.2	0.0	1.0	17.1	31.
29.7	74.9	7921.8	375.0	-27.0	-67.2	238.7	18.4	15.7	9.5	325.9	325.9	0.0	1.0	18.7	33.
31.6	78.7	8415.5	350.0	-30.7	-69.7	243.8	20.9	18.8	9.2	327.3	327.4	0.0	1.0	20.7	36.
33.6	82.7	8937.8	325.0	-34.1	-71.9	247.1	22.4	20.6	8.7	329.6	329.7	0.0	1.0	22.9	39.
35.6	86.7	9494.2	300.0	-38.0	-74.5	256.4	25.6	24.9	6.0	331.8	331.9	0.0	1.0	25.4	42.
37.8	91.0	10088.1	275.0	-41.7	99.9	269.0	32.9	32.9	0.6	334.8	999.9	99.9	999.9	28.2	47.
40.0	95.5	10729.0	250.0	-46.0	99.9	273.3	42.1	42.0	-2.4	337.8	999.9	99.9	999.9	32.2	54.
42.4	100.4	11421.7	225.0	-51.1	99.9	271.3	40.3	40.3	-0.9	340.2	999.9	99.9	999.9	36.9	60.
45.2	105.5	12176.5	200.0	-57.5	99.9	267.6	40.0	40.0	1.7	341.8	999.9	99.9	999.9	42.9	64.
48.2	111.0	13009.9	175.0	-62.2	99.9	263.8	33.7	33.5	3.6	347.2	999.9	99.9	999.9	49.0	67.
51.4	117.0	13949.0	150.0	-67.2	99.9	258.1	40.0	39.2	8.3	354.3	999.9	99.9	999.9	55.9	68.
55.1	123.8	15041.1	125.0	-70.1	99.9	269.2	41.3	41.3	0.6	368.0	999.9	99.9	999.9	66.0	71.
59.5	131.3	16378.2	100.0	-68.3	99.9	261.1	22.8	22.5	3.5	395.8	999.9	99.9	999.9	73.2	72.
65.3	139.7	18129.3	75.0	-64.9	99.9	273.1	14.4	14.4	-0.8	436.9	999.9	99.9	999.9	79.9	72.
72.6	149.0	20638.2	50.0	-60.1	99.9	999.9	99.9	99.9	99.9	501.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

2 MAY 1978
1700 GMT

154 38. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	124.0	997.8	13.9	6.5	60.0	5.1	-4.4	-2.5	287.2	303.2	6.1	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	0.5	317.9	975.0	11.1	5.7	76.7	10.6	-10.3	-2.4	286.3	301.7	5.9	69.4	0.4	252.
1.3	10.5	534.0	950.0	8.7	4.9	81.5	9.6	-9.5	-1.4	286.0	301.0	5.7	77.2	0.8	255.
2.0	12.6	754.6	925.0	8.4	7.7	99.4	12.7	-12.6	2.1	287.9	306.6	7.2	95.4	1.3	260.
2.8	14.7	984.0	900.0	13.8	13.7	117.3	15.5	-13.8	7.1	295.7	324.9	11.1	99.3	1.9	270.
3.5	16.8	1223.0	875.0	14.7	14.6	128.2	12.7	-10.0	7.9	299.1	331.1	12.1	99.2	2.5	279.
4.4	19.9	1468.7	850.0	13.4	12.8	137.6	11.6	-7.8	8.6	300.2	329.7	11.0	96.2	3.0	285.
5.3	21.2	1720.5	825.0	13.0	10.7	142.5	11.3	-6.9	9.0	302.3	329.2	9.9	86.2	3.5	291.
6.0	23.4	1979.1	800.0	11.2	9.3	137.7	9.9	-6.6	7.3	303.1	326.6	9.3	88.1	3.9	295.
7.0	25.6	2244.0	775.0	9.3	7.5	139.6	8.9	-5.8	6.8	303.8	327.2	8.5	88.7	4.4	297.
7.9	26.0	2515.6	750.0	7.4	5.5	150.1	8.8	-4.4	7.7	304.6	325.7	7.6	87.7	4.9	300.
8.8	30.4	2795.2	725.0	7.2	-3.3	166.8	9.1	-2.1	8.9	307.4	320.4	4.5	51.6	5.2	303.
9.8	34.9	3083.5	700.0	6.5	-23.2	182.0	9.2	0.3	9.2	309.7	312.6	0.9	10.3	5.6	307.
10.7	35.5	3381.2	675.0	4.8	-7.3	193.5	10.6	2.5	10.3	311.0	320.9	3.3	41.2	5.9	312.
11.8	38.0	3687.4	650.0	2.1	-9.0	202.7	11.9	4.6	11.0	311.4	326.3	3.0	43.4	6.2	318.
12.8	40.7	4002.8	625.0	-0.6	-13.7	205.6	11.9	5.1	10.7	311.7	318.4	2.2	36.9	6.5	324.
13.8	43.4	4327.6	600.0	-2.8	-13.8	206.8	10.8	4.9	9.7	312.9	319.7	2.2	42.5	6.9	329.
14.9	46.2	4663.5	575.0	-5.3	-14.2	215.6	9.8	5.7	7.9	313.8	320.7	2.2	49.2	7.2	334.
16.0	49.1	5011.1	550.0	-7.9	-21.8	231.0	9.5	7.4	6.0	314.7	318.7	1.2	31.8	7.5	338.
17.2	52.1	5371.0	525.0	-10.3	-32.2	232.1	11.3	8.9	6.9	316.1	317.8	0.5	14.4	7.7	344.
18.3	55.1	5744.7	500.0	-13.0	-40.3	229.7	14.8	11.3	9.6	317.2	318.0	0.2	7.9	8.1	349.
19.6	58.4	6134.6	475.0	-14.9	-49.0	230.7	19.4	15.0	12.3	319.5	319.8	0.1	3.6	8.7	357.
20.8	61.6	6541.0	450.0	-18.1	-50.5	233.0	21.3	17.0	12.8	320.4	320.7	0.1	3.9	9.8	4.
22.4	65.0	6965.2	425.0	-21.2	-63.4	232.5	21.5	17.1	13.1	321.8	321.9	0.0	1.0	11.1	12.
23.7	68.5	7409.3	400.0	-24.8	-61.0	237.3	21.8	18.4	11.8	322.8	322.9	0.0	2.0	12.5	17.
25.2	72.3	7875.2	375.0	-28.7	-55.8	242.1	23.5	20.8	11.0	323.6	323.8	0.1	5.4	14.0	23.
26.9	76.2	8365.1	350.0	-32.5	-59.4	244.3	26.1	23.5	11.3	324.9	325.1	0.0	4.9	15.9	29.
28.5	80.3	8883.1	325.0	-36.8	-58.6	244.7	27.9	25.2	11.9	326.0	326.1	0.0	8.3	18.2	34.
30.3	84.7	9431.8	300.0	-41.4	99.9	250.4	28.7	27.1	9.6	327.0	999.9	99.9	999.9	20.8	38.
32.4	89.4	10017.8	275.0	-45.0	99.9	260.8	33.3	32.9	5.3	330.0	999.9	99.9	999.9	23.8	44.
34.3	94.3	10647.5	250.0	-49.6	99.9	263.6	38.0	37.8	4.2	332.0	999.9	99.9	999.9	27.3	49.
36.6	99.6	11329.2	225.0	-54.9	99.9	263.9	40.4	40.2	4.3	334.5	999.9	99.9	999.9	31.7	55.
38.8	105.3	12072.3	200.0	-60.3	99.9	261.4	39.3	38.9	5.9	337.3	999.9	99.9	999.9	36.7	59.
41.5	111.5	12891.8	175.0	-66.7	99.9	263.7	39.1	38.9	4.3	339.8	999.9	99.9	999.9	42.4	62.
44.6	118.3	13820.9	150.0	-67.5	99.9	255.6	44.4	43.0	11.0	353.8	999.9	99.9	999.9	49.9	65.
48.3	125.8	14926.1	125.0	-66.3	99.9	266.3	30.9	30.9	2.0	375.0	999.9	99.9	999.9	57.7	67.
52.3	134.0	16280.3	100.0	-65.1	99.9	261.5	19.8	19.6	2.9	401.9	999.9	99.9	999.9	63.5	69.
57.7	143.0	18039.1	75.0	-63.6	99.9	271.6	10.8	10.8	-0.3	439.7	999.9	99.9	999.9	68.0	70.
64.5	153.0	20532.1	50.0	-59.7	99.9	999.9	999.9	99.9	99.9	502.9	999.9	99.9	999.9	69.9	72.
99.6	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

2 MAY 1978
1800 GMT

155 19. 0

T.AE MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.1	33.0	999.0	27.7	2.5	129.0	7.7	-6.7	3.8	300.9	344.3	16.4	69.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	0.3	253.1	975.0	28.1	20.8	105.3	8.3	-8.1	2.2	299.4	341.8	16.1	82.2	0.3	298.
1.0	1.5	463.7	950.0	22.0	20.5	104.4	9.2	-8.9	2.3	299.6	342.2	16.2	90.7	0.7	292.
2.1	1.6	720.7	925.0	20.2	18.8	104.0	9.3	-9.1	2.3	300.0	339.6	15.8	91.7	1.2	298.
3.0	1.5	980.6	900.0	19.1	17.2	105.2	7.6	-7.4	2.0	301.2	338.3	15.9	86.5	1.6	297.
3.6	1.6	1176.0	875.0	17.5	15.4	114.5	7.8	-7.1	3.2	302.0	336.1	12.7	87.4	2.0	287.
4.7	2.5	1445.0	850.0	16.1	13.9	138.3	8.4	-5.6	6.2	303.0	335.2	11.9	87.2	2.4	290.
5.1	2.8	1699.1	825.0	15.6	13.3	163.6	11.8	-3.3	11.3	305.1	331.7	9.6	70.8	2.7	297.
6.1	2.2	1960.9	800.0	17.5	5.8	174.4	14.3	-1.4	14.2	309.8	325.0	5.3	33.6	3.2	304.
7.2	3.8	2227.7	775.0	10.6	-5.8	185.7	15.1	1.5	15.0	311.6	321.3	3.2	21.1	3.7	317.
8.1	4.1	2535.6	750.0	15.1	-5.0	186.7	15.4	1.8	15.3	312.9	323.5	3.5	24.6	4.3	325.
9.1	5.6	2792.0	725.0	14.2	-15.3	187.8	14.9	2.0	14.7	313.0	320.1	1.6	11.5	5.0	332.
10.1	5.1	3046.4	700.0	12.1	-16.2	187.9	15.7	2.2	15.6	315.9	320.1	1.3	10.4	5.8	337.
11.2	7.8	3299.2	675.0	9.4	-18.0	191.2	16.2	3.2	15.9	316.2	320.6	1.4	12.5	6.7	342.
12.2	8.8	3555.5	650.0	6.6	-19.9	191.4	16.2	3.2	15.9	316.4	324.4	2.6	27.6	7.5	346.
13.2	9.1	4011.6	625.0	3.5	-8.3	191.9	15.7	3.2	15.4	316.5	326.6	3.3	41.4	8.4	349.
14.6	9.9	4311.1	600.0	0.2	-6.7	191.5	15.0	3.0	14.7	316.4	326.5	3.3	51.2	9.4	351.
15.5	9.7	4633.5	575.0	-2.5	-7.4	189.5	16.0	2.6	15.8	317.1	328.8	3.8	68.9	10.4	353.
16.4	11.6	5011.8	550.0	-5.4	-18.4	187.9	18.1	2.5	17.9	318.8	325.0	1.9	38.7	11.5	355.
17.5	14.5	5436.1	525.0	-7.8	-17.4	189.8	18.6	3.2	18.4	319.0	325.0	1.9	46.2	12.8	356.
19.5	17.6	5773.2	500.0	-11.3	-16.4	193.1	19.5	4.4	19.0	319.3	326.0	2.1	60.4	14.2	357.
20.1	18.8	6178.5	475.0	-14.7	-22.6	205.6	18.9	8.2	17.1	319.8	324.1	1.3	51.3	15.5	359.
21.5	19.1	6550.6	450.0	-16.4	-41.0	220.8	19.0	12.4	14.4	322.7	323.6	0.3	10.3	16.7	2.
22.9	17.3	7011.5	425.0	-18.3	-51.0	228.8	19.7	14.4	13.5	325.5	326.7	0.1	2.6	17.9	6.
24.1	19.5	7471.6	400.0	-21.7	-44.1	233.6	20.2	16.3	12.0	326.8	327.5	0.2	11.2	19.1	9.
25.0	19.3	7913.9	375.0	-24.8	-55.1	240.9	22.8	21.0	9.0	329.0	329.2	0.1	4.0	20.3	13.
27.3	20.0	8433.2	350.0	-25.4	-57.0	247.9	27.6	25.6	10.4	330.5	330.7	0.0	4.4	21.7	18.
28.9	22.0	8918.9	325.0	-32.6	-59.3	250.7	31.3	29.6	10.3	331.8	332.0	0.0	4.9	23.6	23.
30.5	19.0	9510.2	300.0	-36.3	-61.5	252.1	36.3	34.6	11.1	334.3	334.4	0.0	5.8	25.8	29.
32.2	22.3	10163.3	275.0	-40.5	99.9	253.7	44.0	42.2	12.3	336.5	999.9	99.9	999.9	28.9	34.
34.1	24.8	10776.5	250.0	-44.6	99.9	252.1	49.7	47.3	15.3	339.8	999.9	99.9	999.9	33.3	40.
35.9	25.6	11476.6	225.0	-50.9	99.9	254.2	49.4	46.6	13.2	340.5	999.9	99.9	999.9	38.0	45.
38.3	28.6	12214.3	200.0	-56.1	99.9	257.2	49.7	39.7	9.0	344.0	999.9	99.9	999.9	42.9	49.
40.1	27.3	13013.3	175.0	-62.6	99.9	254.8	36.3	35.1	9.5	346.7	999.9	99.9	999.9	47.5	52.
42.4	27.3	13950.4	150.0	-68.7	99.9	253.0	44.1	42.2	12.9	351.7	999.9	99.9	999.9	52.0	53.
44.3	28.0	14907.1	125.0	-71.8	99.9	256.7	46.2	44.9	10.8	366.1	999.9	99.9	999.9	58.9	56.
48.1	29.7	16405.8	100.0	-68.8	99.9	260.1	25.3	24.9	4.4	394.7	999.9	99.9	999.9	64.8	58.
52.4	29.0	18143.9	75.0	-65.3	99.9	251.9	14.3	13.6	4.4	435.9	999.9	99.9	999.9	69.4	59.
58.1	148.5	20642.8	50.0	-58.1	99.9	319.7	5.3	4.0	-3.4	506.7	999.9	99.9	999.9	71.7	60.
68.3	158.7	25197.2	25.0	-47.8	99.9	147.9	1.4	-0.9	1.4	648.1	999.9	99.9	999.9	72.2	60.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

2 MAY 1978
1700 GMT

157 17. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.3	10.3	359.0	961.7	12.0	7.3	60.0	9.2	-8.0	-4.6	288.4	305.9	6.7	73.0	0.0	0.
59.9	59.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
59.9	59.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	11.4	501.3	950.0	10.0	7.7	70.4	14.3	-13.5	-4.8	287.3	305.4	7.0	86.0	0.5	244.
1.1	13.8	722.8	925.0	8.5	7.8	86.7	13.7	-13.7	-0.8	288.0	306.8	7.2	95.5	1.0	248.
1.9	16.3	952.3	900.0	15.2	14.6	113.5	17.6	-16.1	7.0	297.2	328.1	11.7	96.0	1.6	261.
2.6	18.8	1192.4	875.0	15.3	14.7	121.6	18.9	-16.1	9.9	299.7	332.0	12.1	96.1	2.3	274.
3.4	21.3	1438.4	850.0	13.8	11.4	123.4	17.3	-14.4	9.5	300.6	327.9	10.1	86.3	3.1	282.
4.3	23.9	1689.9	825.0	12.6	7.1	120.6	17.3	-14.9	8.8	302.2	323.5	7.7	68.4	3.9	287.
5.2	26.5	1948.8	800.0	11.8	7.5	122.4	16.7	-14.1	8.9	303.7	326.4	8.2	75.2	4.9	289.
6.2	29.1	2214.4	775.0	12.0	2.6	147.1	15.5	-8.4	13.0	306.7	323.7	6.0	52.6	5.8	292.
7.1	31.8	2486.8	750.0	12.5	0.9	170.7	17.1	-2.7	16.9	310.1	326.0	5.5	45.1	6.4	299.
8.1	34.6	2773.6	725.0	11.7	-35.1	176.3	18.2	-1.2	18.1	312.3	313.5	0.4	3.0	7.0	306.
9.1	37.3	3065.7	700.0	10.2	-43.6	182.1	18.2	0.7	18.1	313.8	314.2	0.1	1.0	7.7	312.
10.0	40.1	3366.2	675.0	7.6	-45.3	183.8	18.9	1.3	18.9	314.1	314.5	0.1	1.0	8.4	318.
11.0	43.0	3672.2	650.0	4.8	-47.0	188.8	18.8	2.8	18.4	314.5	314.8	0.1	1.0	9.2	323.
12.2	46.0	3992.9	625.0	1.5	-37.7	192.2	19.8	4.2	19.3	314.5	315.4	0.2	3.3	10.1	329.
13.3	49.0	4320.2	600.0	-0.9	-29.4	195.0	21.1	5.5	20.4	315.1	316.9	0.6	9.3	11.1	334.
14.5	52.0	4657.7	575.0	-3.6	-35.4	195.9	21.9	6.0	21.0	315.8	316.9	0.3	6.3	12.3	339.
15.6	55.1	5006.7	550.0	-6.7	-31.9	197.2	20.9	6.2	19.9	316.1	317.8	0.5	11.4	13.6	342.
17.0	58.4	5367.7	525.0	-10.2	-28.6	199.7	19.6	6.6	18.5	316.2	318.5	0.7	20.6	14.9	346.
18.3	61.7	5741.6	500.0	-13.1	-21.5	199.0	20.4	6.6	19.3	317.1	321.5	1.4	49.0	16.2	349.
19.8	65.0	6130.3	475.0	-16.4	-20.1	203.7	22.6	9.1	20.7	317.6	322.9	1.6	73.3	17.8	352.
21.3	68.4	6535.2	450.0	-19.6	-21.0	210.0	24.5	12.3	21.2	318.6	323.8	1.6	88.6	19.3	355.
22.7	72.0	6957.0	425.0	-22.1	-5[illegible].0	212.9	26.9	15.3	24.5	320.6	320.9	0.1	4.1	21.3	359.
24.3	75.7	7402.7	400.0	-23.6	-43.7	218.3	33.8	20.1	27.1	324.3	325.1	0.2	13.7	24.1	3.
25.9	79.6	7873.8	375.0	-27.1	-44.3	227.9	34.5	25.6	23.1	325.7	326.4	0.2	17.7	26.6	8.
27.5	83.5	8366.0	350.0	-26.9	-36.2	241.5	32.3	28.4	15.4	329.8	331.5	0.5	49.3	28.9	13.
29.1	87.7	8882.5	325.0	-32.6	-39.5	243.8	30.4	27.2	13.4	331.7	333.1	0.4	49.5	30.8	17.
30.7	92.0	9421.5	300.0	-37.4	-43.9	248.4	27.9	26.0	10.3	332.7	333.7	0.3	49.9	32.8	21.
32.5	96.5	10044.3	275.0	-43.0	99.9	256.5	30.1	29.3	7.0	332.9	999.9	99.9	999.9	34.7	25.
34.5	101.3	10678.5	250.0	-48.9	99.9	252.1	39.8	37.9	12.2	333.4	999.9	99.9	999.9	37.3	29.
36.3	105.4	11302.5	225.0	-54.2	99.9	248.7	45.9	42.8	16.7	335.5	999.9	99.9	999.9	41.2	34.
38.6	111.6	12107.7	200.0	-59.9	99.9	250.3	47.6	44.8	16.0	337.8	999.9	99.9	999.9	46.5	38.
41.1	117.5	12932.5	175.0	-64.8	99.9	248.1	44.5	41.2	16.6	343.0	999.9	99.9	999.9	52.4	42.
43.5	123.8	13870.5	150.0	-65.8	99.9	245.8	38.3	34.9	15.7	356.7	999.9	99.9	999.9	58.3	44.
46.5	130.5	14960.6	125.0	-62.2	99.9	256.0	28.5	27.6	6.9	382.5	999.9	99.9	999.9	63.3	47.
49.6	137.7	16301.8	100.0	-62.8	99.9	258.7	16.9	16.6	3.3	406.4	999.9	99.9	999.9	67.1	49.
52.1	145.7	18127.4	75.0	-62.3	99.9	290.4	12.2	11.4	-4.2	442.4	999.9	99.9	999.9	69.2	50.
61.1	154.3	20637.6	50.0	-60.1	99.9	318.4	6.8	4.5	-5.1	502.0	999.9	99.9	999.9	70.2	51.
73.1	163.3	25062.6	25.0	-48.4	99.9	210.7	7.5	3.8	6.4	64[illegible].8	999.9	99.9	999.9	70.6	52.

* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** EV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

2 MAY 1978
1700 GMT

156 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.6	314.0	965.3	26.0	17.4	130.0	7.1	-5.4	4.6	302.2	337.3	13.1	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	5.9	454.7	950.0	23.1	16.5	138.6	9.7	-6.4	7.3	300.6	334.2	12.6	66.5	0.4	300.
1.3	12.2	686.2	925.0	20.6	15.6	146.3	8.7	-4.8	7.2	300.4	333.0	12.2	73.3	0.8	311.
2.2	14.4	922.8	900.0	18.2	15.3	154.2	8.9	-3.9	8.1	300.3	333.1	12.3	83.1	1.2	319.
3.0	16.7	1164.1	875.0	16.2	14.4	163.7	9.0	-2.5	8.6	300.6	332.5	11.9	89.2	1.7	324.
3.8	19.0	1410.8	850.0	15.3	13.3	194.7	8.0	2.0	7.8	302.2	333.0	11.4	87.7	2.0	329.
4.6	21.5	1664.7	825.0	15.5	5.9	227.0	9.5	7.0	6.5	305.0	325.2	7.2	53.8	2.2	339.
5.5	23.9	1926.0	800.0	16.2	-11.0	244.7	11.1	10.0	4.7	308.4	314.7	2.1	14.3	2.4	352.
6.4	26.3	2194.6	775.0	14.4	-11.6	254.3	8.9	8.5	2.4	309.3	315.6	2.0	15.3	2.6	3.
7.2	28.8	2472.2	750.0	12.7	-14.4	263.4	6.8	6.7	0.8	310.4	315.6	1.7	13.7	2.7	12.
8.2	31.4	2758.3	725.0	10.5	-18.7	258.3	7.0	6.8	1.4	311.0	314.8	1.2	11.0	2.8	19.
9.1	34.0	3053.0	700.0	8.1	-19.9	255.9	5.5	5.3	1.3	311.5	315.1	1.1	11.7	3.0	25.
10.1	36.7	3356.4	675.0	5.8	-20.5	252.8	6.0	4.8	3.6	312.1	315.7	1.1	13.0	3.2	28.
11.1	39.4	3669.6	650.0	4.3	-27.7	215.8	10.7	6.3	8.7	313.8	315.8	0.6	7.5	3.7	30.
12.1	42.1	3992.8	625.0	2.3	-31.7	207.2	14.4	6.6	12.8	315.1	316.6	0.4	5.9	4.5	30.
13.1	45.0	4326.4	600.0	-0.5	-21.8	203.0	17.2	6.7	15.8	315.6	315.2	1.1	18.0	5.8	29.
14.0	48.0	4671.6	575.0	-3.3	-22.9	200.0	18.1	6.2	17.0	316.1	319.5	1.0	20.1	7.2	28.
16.1	51.0	4968.7	550.0	-6.1	-21.5	198.7	18.7	6.0	17.8	316.9	320.9	1.2	28.2	8.6	26.
17.2	54.0	5347.7	525.0	-9.1	-30.4	202.3	18.1	6.9	16.8	317.4	319.4	0.6	15.8	9.8	25.
18.3	57.1	5720.9	500.0	-12.5	-31.9	209.3	18.4	9.0	15.0	317.8	319.6	0.5	17.8	11.2	25.
19.4	60.4	6110.6	475.0	-15.5	-35.2	215.6	21.7	12.6	17.6	318.8	320.2	0.4	16.6	12.8	26.
20.6	63.9	6516.1	450.0	-18.5	-37.6	215.2	25.4	14.6	20.7	319.9	321.1	0.3	16.7	14.8	26.
22.0	67.3	6940.6	425.0	-21.2	-33.8	214.1	26.9	15.1	22.2	321.8	323.6	0.5	30.9	17.3	29.
24.3	70.9	7384.7	400.0	-24.8	-34.2	213.9	27.5	17.3	21.4	322.6	324.4	0.5	41.3	19.7	29.
26.0	74.7	7851.4	375.0	-27.4	-43.4	224.7	33.4	23.5	23.8	325.4	326.2	0.2	20.0	22.7	31.
27.7	78.5	8344.5	350.0	-31.1	-49.4	228.3	36.9	27.6	24.5	326.8	327.2	0.1	14.5	26.1	33.
29.4	82.5	8866.3	325.0	-34.1	-52.6	231.0	42.3	32.9	26.6	329.7	330.0	0.1	13.3	30.0	35.
31.1	86.8	9423.5	300.0	-37.2	-55.0	230.5	47.3	36.4	30.1	332.9	333.2	0.1	13.6	34.5	38.
33.1	91.3	10018.5	275.0	-42.5	99.9	232.3	47.2	37.3	28.9	333.7	999.9	99.9	999.9	40.2	39.
35.2	96.0	10656.5	250.0	-46.7	99.9	237.3	47.6	40.0	25.7	336.4	999.9	99.9	999.9	45.8	41.
37.4	101.0	11345.6	225.0	-52.5	99.9	245.0	47.4	42.9	20.0	338.0	999.9	99.9	999.9	51.7	44.
40.0	106.4	12098.6	200.0	-57.1	99.9	253.7	45.8	43.9	12.9	342.4	999.9	99.9	999.9	58.2	47.
42.5	112.0	12933.9	175.0	-61.6	99.9	248.4	42.7	39.7	15.7	348.3	999.9	99.9	999.9	64.5	50.
45.2	118.3	13877.1	150.0	-67.0	99.9	241.2	35.1	30.7	16.9	354.7	999.9	99.9	999.9	70.3	51.
48.5	125.3	14975.5	125.0	-67.8	99.9	246.5	40.8	37.4	16.3	372.3	999.9	99.9	999.9	78.5	52.
52.1	132.7	16328.4	100.0	-68.0	99.9	258.8	24.4	23.9	4.7	396.5	999.9	99.9	999.9	85.4	54.
57.3	141.0	18065.7	75.0	-65.8	99.9	191.0	15.1	2.9	14.8	434.9	999.9	99.9	999.9	90.4	55.
64.4	153.0	20563.4	50.0	-60.5	99.9	284.0	5.3	5.1	-1.3	500.9	999.9	99.9	999.9	92.1	55.
75.1	155.7	25007.5	25.0	-48.9	99.9	283.0	4.7	4.6	-1.1	644.6	999.9	99.9	999.9	93.8	56.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

2 MAY 1978
1715 GMT

153 12. ●

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.1	873.0	907.2	11.1	9.5	20.0	11.2	-3.8	-10.5	292.3	314.1	8.3	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	14.7	939.6	900.0	10.3	8.6	29.8	12.5	-6.2	-10.9	292.1	312.7	7.8	89.3	0.3	256.
1.2	17.0	1173.7	875.0	8.5	7.3	42.4	11.9	-8.0	-8.8	292.6	312.1	7.4	92.2	1.0	216.
2.2	19.4	1414.7	850.0	9.9	7.9	22.7	5.0	-1.9	-4.6	296.5	317.7	7.9	87.2	1.5	219.
3.1	21.7	1663.8	825.0	10.3	7.2	289.0	2.3	2.1	-0.7	299.5	320.7	7.8	81.0	1.6	217.
3.7	23.1	1819.8	800.0	8.6	6.4	262.6	5.3	5.3	0.7	300.4	321.2	7.6	86.1	1.5	214.
4.7	25.5	2183.0	775.0	8.3	7.1	255.4	8.4	8.1	2.1	302.8	325.3	8.2	91.8	1.3	208.
5.6	28.0	2458.2	750.0	7.2	3.6	244.2	13.5	12.2	5.9	304.4	323.0	6.6	77.6	1.0	179.
6.6	31.5	2732.8	725.0	5.1	1.9	240.8	15.2	13.2	7.4	305.0	322.2	6.1	79.8	1.1	121.
7.6	34.1	3018.5	700.0	2.9	-0.6	236.0	15.9	13.2	8.9	305.7	320.7	5.3	78.1	1.7	92.
8.7	36.8	3312.3	675.0	0.5	-1.4	228.4	18.0	13.5	12.0	306.2	320.9	5.1	87.3	2.6	77.
10.0	39.4	3615.0	650.0	-0.3	-15.1	224.2	19.5	13.8	14.0	308.6	314.2	1.8	31.7	4.0	66.
11.2	42.1	3927.2	625.0	-2.7	-13.2	218.4	19.6	11.6	15.8	309.3	315.1	1.9	37.9	5.4	59.
12.4	44.6	4244.4	600.0	-5.6	-11.5	210.1	20.2	10.1	17.5	309.7	317.7	2.7	62.9	6.6	54.
13.5	47.8	4562.1	575.0	-7.5	-17.8	207.2	21.7	9.9	19.3	311.2	316.3	1.6	43.3	7.9	50.
14.7	50.7	4927.1	550.0	-9.5	-14.1	200.0	24.9	8.5	23.4	312.8	320.0	2.3	69.4	9.4	45.
15.8	53.8	5285.1	525.0	-11.9	-19.4	194.8	28.9	7.4	27.9	314.1	319.1	1.6	54.0	11.0	41.
17.0	56.8	5657.3	500.0	-13.8	-19.9	186.6	30.2	3.4	30.0	316.3	321.3	1.6	59.5	12.9	36.
18.3	60.0	6046.9	475.0	-15.6	-24.1	179.7	30.7	-0.2	30.7	318.7	322.5	1.1	47.7	14.9	31.
19.6	63.3	6451.5	450.0	-18.9	-28.4	173.6	33.3	-2.6	33.2	319.5	322.2	0.8	42.6	17.0	27.
20.9	66.6	6874.4	425.0	-22.5	-40.0	166.3	29.4	3.2	29.2	320.2	321.3	0.3	19.8	19.4	23.
22.4	70.1	7315.4	400.0	-26.3	-66.7	193.4	28.3	6.6	27.5	320.9	320.9	0.0	1.0	21.7	21.
24.0	73.7	7779.8	375.0	-29.3	-68.7	196.5	32.3	9.2	31.0	322.9	322.9	0.0	1.0	24.6	21.
25.6	77.5	8270.2	350.0	-32.2	-70.6	189.1	31.4	4.9	31.0	325.1	325.3	0.0	1.0	27.8	20.
27.3	81.4	8790.6	325.0	-34.6	-72.2	197.1	32.1	9.5	30.7	329.0	329.0	0.0	1.0	30.8	19.
28.6	85.5	9345.5	300.0	-36.6	-74.9	211.1	36.2	18.7	31.0	330.9	330.9	0.0	1.0	34.0	19.
30.5	89.8	9937.0	275.0	-43.7	99.9	216.8	40.3	24.1	32.2	332.8	999.9	99.9	999.9	37.8	21.
32.4	94.4	10572.7	250.0	-47.6	99.9	221.5	37.0	24.5	27.7	335.3	999.9	99.9	999.9	41.9	23.
34.4	99.9	11262.6	225.0	-51.5	99.9	218.7	36.8	23.0	28.7	339.6	999.9	99.9	999.9	46.2	25.
36.7	104.6	12021.1	200.0	-55.3	99.9	206.9	34.0	14.9	29.4	345.2	999.9	99.9	999.9	50.9	26.
39.2	110.3	12864.2	175.0	-56.2	99.9	210.9	37.1	19.1	31.9	357.2	999.9	99.9	999.9	56.1	25.
41.9	116.5	13839.0	150.0	-60.0	99.9	230.3	34.9	26.9	22.3	366.8	999.9	99.9	999.9	60.8	27.
45.6	123.7	14969.6	125.0	-60.6	99.9	238.5	25.2	21.5	13.2	385.2	999.9	99.9	999.9	67.2	30.
48.7	131.7	16380.8	100.0	-56.7	99.9	220.2	13.8	8.9	10.5	414.3	999.9	99.9	999.9	70.8	31.
50.3	140.7	18159.3	75.0	-61.4	99.9	243.3	5.2	4.7	2.3	444.2	999.9	99.9	999.9	73.5	32.
61.6	150.5	20685.4	50.0	-61.2	99.9	318.9	3.7	2.5	-2.8	499.2	999.9	99.9	999.9	74.2	32.
74.3	161.0	25139.4	25.0	-50.7	99.9	999.9	999.9	99.9	99.9	638.9	999.9	99.9	999.9	74.1	33.

● BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
● BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
●● BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

2 MAY 1978
1700 GMT

100 13. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR PTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.8	1850.0	826.1	15.0	9.1	340.9	6.1	5.0	-3.1	288.9	298.9	7.9	36.9	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.9	999.9	999.
0.7	9.2	2750.4	675.0	10.6	6.7	999.9	999.9	99.9	99.9	285.8	296.8	6.1	58.2	999.9	999.
1.3	11.6	2771.1	670.0	8.0	-0.4	999.9	999.9	99.9	99.9	285.9	296.4	5.9	53.1	999.9	999.
2.0	14.0	2794.6	665.0	6.9	-1.8	999.9	999.9	99.9	99.9	285.5	295.1	5.6	57.1	999.9	999.
2.7	16.4	2818.4	660.0	4.2	-2.5	999.9	999.9	99.9	99.9	285.8	295.4	5.5	61.7	999.9	999.
3..	18.9	2842.8	655.0	2.4	-4.3	999.9	999.9	99.9	99.9	286.3	295.8	5.2	61.1	1.3	214.
4..	21.8	2871.6	650.0	0.8	-6.1	28.9	8.8	-4.0	-7.8	289.6	295.9	2.3	39.6	1..	214.
4.7	23.9	2893.2	645.0	2.1	-11.1	23.6	8.7	-3.5	-8.0	296.5	296.5	2.8	36.7	1.9	213.
5.5	26.5	2917.6	640.0	3.2	-14.7	21.0	9.4	-3.5	-9.9	296.6	299.1	1.5	25.2	2.4	210.
7..	29.1	2944.1	775.0	2.4	-15.8	9.7	2.6	-0.4	-2.5	296.4	300.8	1.5	25.8	2.7	230.
8..	31.8	2969.5	750.0	1.9	-14.4	317.2	2.2	1.5	-1.6	298.6	303.7	1.7	29.8	2.7	298.
9..	34.5	2994.7	725.0	1.1	-15.2	352.9	3.3	2.7	-1.8	301.7	306.5	1.6	28.3	2.8	284.
10..	37.2	3019.8	700.0	-0.5	-16.7	332.1	4.9	4.5	-1.8	301.9	306.4	1.5	28.1	2.8	199.
11..	40.0	3045.5	675.0	-1.6	-17.5	299.0	7.1	6.2	-3.4	303.6	308.1	1.4	27.7	2.8	152.
12..	42.9	3072.0	650.0	-3.0	-20.0	298.7	9.7	8.4	-4.8	305.6	309.3	1.2	25.4	3.1	162.
13..	45.8	3098.6	625.0	-4.9	-22.7	296.7	12.5	11.0	-5.8	306.9	310.8	1.0	23.2	3.5	170.
14..	48.8	3126.3	600.0	-7.0	-24.7	296.5	17.0	15.2	-7.6	308.8	312.6	0.9	22.7	4.2	180.
15..	51.8	3154.2	575.0	-8.5	-25.6	296.8	20.4	18.4	-8.8	310.1	312.7	0.8	23.6	5.2	185.
17..	54.9	3182.3	550.0	-11.0	-26.9	295.8	22.1	19.9	-9.6	311.1	313.6	0.8	25.6	6.7	181.
18..	58.1	3210.8	525.0	-13.4	-28.2	296.6	22.9	20.5	-10.3	312.3	314.4	0.8	25.8	8.3	176.
19..	61.4	3239.6	500.0	-16.2	-30.8	298.7	23.4	20.5	-11.2	313.3	315.3	0.8	26.6	10.2	173.
21..	64.7	3268.8	475.0	-18.4	-31.5	296.8	22.6	20.2	-10.2	313.8	314.9	0.6	26.9	11.6	171.
22..	68.1	3298.7	450.0	-21.6	-36.0	293.1	22.9	21.1	-9.0	314.1	317.5	0.4	25.5	13.8	168.
24..	71.7	3329.1	425.0	-25.3	-39.3	295.9	23.8	22.4	-8.1	315.6	317.7	0.3	25.9	15.8	166.
25..	75.3	3360.1	400.0	-28.8	-38.5	298.9	25.8	24.2	-9.6	317.6	318.8	0.3	30.2	18.3	164.
27..	79.0	3392.4	375.0	-31.6	-40.7	299.8	31.7	29.7	-11.0	319.8	320.8	0.3	29.5	21.4	161.
28..	82.8	3425.5	350.0	-35.5	-44.5	297.0	38.5	35.9	-13.2	320.9	321.7	0.2	28.4	24.7	159.
31..	86.8	3460.6	325.0	-39.4	-46.0	295.0	41.3	37.8	-17.8	322.4	324.0	0.1	29.2	28.0	157.
33..	91.0	3496.2	300.0	-43.8	99.9	293.1	44.9	42.2	-15.5	324.3	999.9	99.9	999.9	34.4	155.
35..	95.3	3533.3	275.0	-46.6	99.9	293.2	48.6	45.3	-16.3	325.7	999.9	99.9	999.9	40.2	154.
37..	100.0	3572.3	250.0	-52.5	99.9	293.7	51.0	48.6	-15.5	327.4	999.9	99.9	999.9	47.0	154.
40..	104.9	3613.4	225.0	-57.9	99.9	293.4	56.2	51.4	-17.1	329.8	999.9	99.9	999.9	55.1	153.
42..	110.0	3656.8	200.0	-62.8	99.9	293.8	99.99	52.3	-17.9	333.3	999.9	99.9	999.9	64.8	154.
45..	115.3	3703.9	175.0	-61.8	99.9	298.6	67.10	64.7	-19.0	348.0	999.9	99.9	999.9	73.9	153.
48..	120.8	3754.3	150.0	-61.6	99.9	298.3	34.30	32.5	-10.8	368.4	999.9	99.9	999.9	82.6	153.
50..	126.5	3808.9	125.0	-70.3	99.9	284.1	27.20	26.4	-6.6	387.0	999.9	99.9	999.9	90.3	152.
53..	132.3	3867.6	100.0	-60.6	99.9	287.8	17.20	17.0	-2.5	410.6	999.9	99.9	999.9	97.5	152.
56..	138.3	3930.4	75.0	-61.4	99.9	249.0	13.60	13.1	-3.5	444.6	999.9	99.9	999.9	103.3	151.
59..	144.5	3997.2	50.0	-55.4	99.9	292.8	5.20	7.7	-5.3	513.1	999.9	99.9	999.9	108.7	151.
62..	150.9	4068.9	25.0	-60.5	99.9	999.9	999.9	99.9	99.9	648.3	999.9	99.9	999.9	113.6	150.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

2 MAY 1978
1740 GMT

156 31. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.8	172.0	996.5	13.3	2.8	50.0	5.1	-3.9	-3.3	286.7	299.2	4.7	49.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.9	8.7	354.4	975.0	10.4	0.1	95.7	12.4	-12.3	1.2	285.7	296.2	3.9	48.6	0.5	276.
1.8	11.1	569.9	950.0	8.3	-0.5	40.4	11.9	-7.7	-9.1	285.6	296.0	3.9	53.9	0.9	272.
2.5	13.4	789.2	925.0	6.2	-1.1	32.5	12.4	-6.7	-10.4	285.6	295.8	3.8	59.5	1.4	237.
3.4	15.7	1013.1	900.0	4.4	-1.8	76.8	9.8	-9.5	-2.2	286.0	296.0	3.7	64.6	1.8	241.
4.3	18.1	1243.2	875.0	8.0	-23.8	72.0	9.4	-9.0	-2.9	292.1	294.0	0.6	8.3	2.4	244.
5.3	20.5	1482.8	850.0	9.1	-17.0	82.3	6.0	-5.9	-0.8	295.7	299.2	1.2	14.0	2.8	246.
6.2	23.0	1729.8	825.0	9.3	-3.9	64.0	4.3	-3.9	-1.9	298.5	308.4	3.5	38.9	3.1	247.
7.2	25.5	1984.5	800.0	9.0	-0.6	97.0	2.0	-2.0	0.2	300.7	313.7	4.6	51.0	3.3	246.
8.2	28.0	2247.5	775.0	7.9	-1.8	198.4	2.4	0.7	2.3	302.3	314.7	4.3	50.1	3.3	248.
9.2	30.6	2517.5	750.0	7.3	-4.0	236.8	3.6	3.1	2.0	304.5	315.6	3.8	44.5	3.1	246.
10.4	33.2	2796.3	725.0	6.2	-10.6	262.2	4.8	4.7	0.6	306.3	313.3	2.3	28.6	2.8	249.
11.6	35.9	3083.0	700.0	4.7	-14.2	273.6	6.3	6.3	-0.4	307.7	313.3	1.8	23.8	2.4	246.
12.8	38.7	3378.4	675.0	2.5	-8.5	273.7	8.1	8.1	-0.5	308.4	317.3	3.0	44.0	2.0	238.
14.0	41.3	3682.4	650.0	0.4	-9.1	264.8	9.7	9.7	0.9	309.5	318.3	2.9	48.7	1.5	226.
15.3	44.2	3995.8	625.0	-2.1	-10.9	261.0	11.2	11.1	1.8	310.1	318.1	2.7	50.7	1.0	195.
16.5	47.1	4319.0	600.0	-4.3	-14.5	258.2	12.5	12.3	2.6	311.2	317.6	2.1	44.7	1.0	143.
17.8	50.0	4653.7	575.0	-5.7	-16.7	252.6	13.6	12.9	4.1	313.3	318.9	1.8	41.4	1.7	104.
19.2	53.0	5000.5	550.0	-8.4	-16.1	256.2	12.9	12.5	3.1	314.1	320.3	2.0	53.7	2.6	94.
20.7	56.1	5359.4	525.0	-11.6	-18.7	267.8	12.4	12.4	0.5	314.4	319.7	1.7	55.6	3.7	90.
22.1	59.3	5732.1	500.0	-14.0	-20.0	275.3	12.0	12.0	-1.1	316.0	321.0	1.6	60.3	4.8	91.
23.6	62.4	6119.2	475.0	-17.4	-20.5	277.2	13.1	13.0	-1.6	316.5	321.5	1.6	76.4	5.9	92.
25.2	65.8	6523.1	450.0	-19.1	-24.9	272.9	17.3	17.3	-0.9	319.3	323.0	1.1	59.6	7.3	93.
26.8	69.3	6945.9	425.0	-22.3	-28.9	268.5	22.4	22.4	0.6	320.5	323.2	0.8	54.7	9.2	92.
28.5	72.7	7388.6	400.0	-25.8	-30.0	266.9	23.0	23.0	1.2	321.5	324.2	0.8	67.4	11.5	91.
30.3	76.4	7852.9	375.0	-29.3	-34.3	264.9	24.2	24.1	2.2	322.9	324.8	0.5	61.3	14.1	90.
32.1	80.3	8341.5	350.0	-33.3	-40.2	264.5	26.1	26.0	2.5	323.8	325.0	0.3	49.5	16.8	89.
34.1	84.2	8857.8	325.0	-37.4	-42.5	263.8	26.4	26.2	2.9	325.2	326.2	0.3	58.3	19.6	89.
36.1	88.3	9406.4	300.0	-41.0	99.9	265.5	28.3	28.2	2.2	327.6	999.9	99.9	999.9	23.1	88.
38.1	92.6	9991.2	275.0	-45.9	99.9	268.9	31.7	31.7	0.6	328.7	999.9	99.9	999.9	26.7	88.
40.4	97.2	10618.3	250.0	-51.2	99.9	269.2	36.0	36.0	0.5	330.0	999.9	99.9	999.9	31.4	88.
42.7	102.0	11294.1	225.0	-56.7	99.9	270.7	41.2	41.2	-0.5	331.6	999.9	99.9	999.9	36.7	88.
45.7	107.4	12030.9	200.0	-62.1	99.9	268.9	47.7	47.7	0.9	334.4	999.9	99.9	999.9	44.7	89.
48.6	113.0	12846.3	175.0	-65.9	99.9	271.3	45.3	45.3	-1.0	341.2	999.9	99.9	999.9	54.2	89.
52.3	119.0	13782.8	150.0	-67.4	99.9	276.2	31.1	30.9	-3.3	354.1	999.9	99.9	999.9	61.3	89.
56.8	126.0	14899.8	125.0	-61.9	99.9	270.4	26.5	26.5	-0.2	383.0	999.9	99.9	999.9	68.7	90.
62.1	133.7	16278.6	100.0	-61.6	99.9	278.7	18.0	17.8	-2.7	408.7	999.9	99.9	999.9	76.6	90.
69.0	142.5	18065.1	75.0	-61.9	99.9	284.5	12.3	11.9	-3.1	443.1	999.9	99.9	999.9	82.6	90.
78.1	152.5	20582.4	50.0	-60.7	99.9	271.5	4.9	4.9	-0.1	500.8	999.9	99.9	999.9	86.7	92.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

2 MAY 1978
1700 GMT

147 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.4	438.0	967.2	17.3	2.1	90.0	7.7	-7.7	0.0	299.2	305.8	4.6	36.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.8	588.1	950.0	10.0	-6.5	85.1	9.4	-9.3	-0.8	287.4	294.2	2.5	30.5	0.4	271.
1.6	13.1	808.3	925.0	7.0	-8.0	81.2	9.8	-9.7	-1.5	286.5	292.7	2.3	33.3	1.1	267.
2.5	15.3	1032.8	900.0	4.9	-7.6	76.5	9.9	-9.6	-2.3	286.6	293.2	2.4	39.6	1.6	264.
3.3	17.5	1261.6	875.0	2.5	-8.8	78.1	9.9	-9.7	-2.1	286.4	293.6	2.2	42.8	2.1	262.
4.2	19.9	1495.0	850.0	0.6	-17.6	81.8	10.0	-9.9	-1.4	286.8	290.1	1.2	24.5	2.6	262.
5.1	22.3	1734.9	825.0	2.0	-24.6	70.5	10.1	-9.5	-3.4	290.7	292.6	0.6	11.7	3.2	261.
6.1	24.8	1983.7	800.0	3.9	-24.8	42.5	6.3	-4.2	-4.6	295.4	297.3	0.6	10.1	3.6	259.
7.0	27.1	2242.2	775.0	5.0	-24.4	10.6	5.4	-1.0	-5.3	299.2	301.3	0.7	9.9	3.8	258.
7.9	29.5	2509.1	750.0	3.9	-12.7	10.8	6.0	-1.1	-5.9	300.8	307.3	2.2	33.3	4.0	251.
9.1	32.0	2783.9	725.0	2.6	-3.4	336.6	4.1	1.6	-3.8	302.4	314.1	4.1	64.5	4.1	247.
10.2	34.6	3067.4	700.0	0.9	-6.2	306.4	4.4	3.5	-2.6	303.5	313.5	3.4	58.8	4.0	243.
11.3	37.2	3359.2	675.0	0.4	-11.2	299.9	6.4	5.6	-3.2	306.1	313.4	2.4	41.2	3.8	239.
12.5	39.8	3661.2	650.0	-1.1	-15.0	283.1	9.0	8.8	-2.0	307.7	313.3	1.8	33.7	3.5	231.
13.7	42.6	3973.3	625.0	-2.2	-20.8	261.4	10.5	10.3	1.6	309.9	313.8	1.2	23.8	3.0	222.
15.0	45.3	4296.1	600.0	-4.7	-14.2	257.5	10.3	10.0	2.2	310.6	317.2	2.1	47.4	2.3	211.
16.3	48.1	4629.6	575.0	-7.0	-18.3	268.3	8.4	8.4	0.2	311.8	316.8	1.6	40.0	2.0	194.
17.4	51.0	4975.2	550.0	-9.0	-21.2	278.6	8.1	8.0	-1.2	313.5	317.6	1.3	36.3	1.9	179.
19.2	54.0	5333.6	525.0	-11.4	-25.3	288.6	11.8	11.2	-3.8	314.7	317.8	0.9	30.5	2.4	157.
20.6	57.0	5706.3	500.0	-13.7	-27.9	285.3	14.7	14.2	-3.9	316.4	319.0	0.8	28.8	3.3	141.
22.1	60.1	6093.8	475.0	-16.8	-29.3	284.8	15.9	15.3	-4.0	317.1	319.5	0.7	32.9	4.4	130.
23.7	63.3	6497.6	450.0	-19.9	-35.9	285.6	15.2	14.7	-4.1	318.3	319.7	0.4	22.4	5.8	124.
25.3	66.6	6918.7	425.0	-23.3	-39.9	288.1	13.2	12.5	-4.1	319.1	320.1	0.3	20.1	7.2	121.
27.1	70.0	7359.0	400.0	-27.1	-43.6	291.4	14.4	13.4	-5.3	319.7	320.4	0.2	19.1	8.5	119.
28.9	73.4	7820.5	375.0	-31.2	-43.2	291.7	15.4	14.4	-5.7	320.3	321.1	0.2	29.5	10.2	118.
30.7	77.1	8305.0	350.0	-35.5	-42.6	284.6	17.4	16.9	-4.4	320.9	321.8	0.3	48.0	11.9	117.
32.5	80.9	8817.1	325.0	-38.3	-44.6	273.0	22.8	22.8	-1.2	323.9	324.7	0.2	50.9	14.0	116.
34.6	85.0	9363.1	300.0	-42.2	99.9	263.4	28.2	28.0	3.3	325.9	999.9	99.9	999.9	16.9	109.
36.7	89.0	9945.4	275.0	-47.0	99.9	260.7	33.9	33.4	5.5	327.1	999.9	99.9	999.9	20.4	104.
38.9	93.5	10570.3	250.0	-51.9	99.9	257.5	38.5	37.6	8.3	328.9	999.9	99.9	999.9	25.1	99.
41.5	98.2	11244.0	225.0	-57.7	99.9	260.2	42.1	41.5	7.2	330.0	999.9	99.9	999.9	30.8	95.
44.2	103.2	11976.9	200.0	-63.4	99.9	266.0	48.9	48.8	3.4	332.4	999.9	99.9	999.9	38.0	92.
46.8	108.5	12796.9	175.0	-64.0	99.9	277.2	34.9	34.6	-4.4	344.3	999.9	99.9	999.9	44.4	93.
49.4	114.3	13739.8	150.0	-63.3	99.9	273.3	30.2	30.2	-1.7	361.1	999.9	99.9	999.9	50.4	93.
53.9	120.8	14870.2	125.0	-60.0	99.9	274.0	20.0	20.0	-1.4	386.3	999.9	99.9	999.9	58.3	93.
58.5	127.7	16259.3	100.0	-60.5	99.9	270.6	13.7	13.7	-0.1	410.9	999.9	99.9	999.9	60.9	93.
64.3	135.3	18054.5	75.0	-60.5	99.9	279.1	12.2	12.1	-1.9	446.2	999.9	99.9	999.9	65.0	93.
72.3	143.7	20585.3	50.0	-58.8	99.9	282.8	6.0	5.9	-1.3	505.0	999.9	99.9	999.9	69.2	94.
84.5	152.0	25036.7	25.0	-50.3	99.9	187.4	2.5	0.3	2.4	640.1	999.9	99.9	999.9	78.3	94.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
# BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

2 MAY 1978
1700 GMT

160 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	392.0	969.2	10.6	1.2	46.0	7.6	-4.9	-5.8	286.3	297.8	4.3	52.0	0.0	0.
99.9	99.9	99.9	1006.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.4	557.4	944.3	7.2	0.3	54.5	7.9	-6.5	-4.6	284.5	295.4	4.1	61.5	8.4	228.
1.5	12.5	778.2	925.0	5.1	-0.5	63.7	8.5	-7.6	-3.8	284.6	295.2	4.0	66.8	8.8	232.
2.0	14.6	999.5	906.6	4.7	-1.6	76.2	12.3	-11.9	-2.9	286.4	296.6	3.8	63.9	1.2	239.
2.2	16.8	1220.6	875.0	5.9	-10.6	84.2	16.3	-16.2	-1.7	289.9	295.4	2.8	29.6	2.8	248.
4.2	18.8	1467.3	850.0	6.8	-6.7	95.5	15.7	-15.7	1.5	293.3	300.9	2.7	37.5	2.9	255.
5.1	21.4	17.4.3	825.3	7.6	5.5	101.3	12.8	-12.5	2.5	296.4	315.4	6.9	56.9	3.6	260.
6.1	23.6	1957.5	800.6	7.4	5.3	105.9	10.4	-10.2	2.5	299.1	318.3	7.8	66.5	4.2	264.
7.0	26.1	2208.8	775.0	5.9	5.2	108.9	7.8	-7.4	2.5	300.1	319.9	7.2	95.5	4.8	265.
7.9	28.4	2457.6	750.0	4.9	4.4	133.3	8.2	-6.0	5.6	301.9	321.3	7.8	96.8	5.1	269.
8.8	30.8	2778..	725.0	4.6	2.0	166.7	9.6	-2.2	9.3	303.5	320.7	6.1	89.3	5.3	272.
10.3	33.0	3018.5	700.3	1.4	0.8	164.8	23.5	-4.7	19.9	304.1	320.4	5.8	95.6	5.3	280.
11..	35.3	3259.7	675.0	-0.4	-1.5	153.8	24.4	-10.8	21.9	305.3	319.8	5.1	91.8	5.6	284.
12.1	37.6	3502.7	650.0	-3.8	-17.6	153.1	23.7	-10.7	21.1	304.3	313.1	1.6	27.5	6.8	286.
13.2	40.0	3745.4	625.3	-2.4	-16.3	116.8	15.6	-13.4	6.8	305.8	314.3	1.4	28.8	6.2	294.
14.4	44.3	4238.5	575.3	-4.5	-7.2	141.2	8.6	-5.5	6.8	311.8	316.1	1.7	36.3	6.4	292.
15.5	47.8	4621.6	575.6	-7.2	-16.5	147.8	4.5	0.6	4.5	311.6	317.3	1.8	47.0	6.5	296.
16.7	51.3	4999.4	550.3	-13.8	-17.1	252.8	4.0	1.6	3.7	312.2	317.9	1.8	54.2	6.5	298.
17.8	54.8	5.73.0	525.3	-14.6	-14.6	193.3	4.8	1.1	4.7	312.1	317.6	1.8	59.8	6.6	301.
19.0	58.4	5751.5	500.3	-14.8	-14.8	197.1	5.8	1.7	5.6	312.6	318.4	1.9	92.6	6.7	304.
20.1	62.0	6.75.6	475.3	-15.3	-15.8	299.4	6.2	3.3	5.2	314.8	319.1	1.6	92.5	6.8	307.
21.3	65.6	6478.8	450.3	-21.5	-22.7	254.4	6.3	3.5	5.4	316.3	320.7	1.4	99.4	6.8	312.
22.5	69.2	6851.6	425.3	-24.6	-25.3	253.3	7.5	2.4	6.5	318.2	321.7	1.6	81.8	7.1	315.
24..	72.7	7225.6	400.3	-26.8	-29.8	218.1	9.8	6.0	7.7	325.2	322.9	0.8	75.3	7.3	321.
25.8	76.7	7598.8	375.6	-29.6	-33.0	226.9	15.4	11..	10.1	322.2	326.3	0.4	75.5	7.4	329.
27.5	78.7	8287.8	350.3	-33.8	-34.8	223.3	23.1	13.8	18.7	324.3	325.9	0.5	67.9	7.9	341.
29.7	82.8	8834.8	325.6	-37.2	-41.3	218.8	23.8	14.9	18.5	325.5	326.6	0.3	64.7	9.1	351.
31.2	87.6	9.3.5	300.6	-41.1	99.9	225.6	25.1	17.7	17.7	327.4	999.9	99.9	999.9	10.8	1.
32..	92.5	9558.2	275.3	-46.1	99.9	227.9	26.6	19.1	17.7	328.5	999.9	99.9	999.9	12.8	10.
34.1	97.6	10053.5	250.3	-51.8	99.9	228.6	27.4	20.6	18.1	329.1	999.9	99.9	999.9	15.5	17.
35.3	102.2	10537.4	225.3	-58.6	99.9	238.1	28.9	23.2	17.4	329.7	999.9	99.9	999.9	18.7	23.
36.5	107.8	11048.5	200.3	-64.3	99.9	246.8	33.6	27.6	18.8	331.8	999.9	99.9	999.9	21.9	29.
4..3	113.8	12778.5	175.6	-66.3	99.9	247.6	39.2	36.3	14.9	340.6	999.9	99.9	999.9	26.8	37.
44.2	120.5	12.37.2	150.6	-61.1	99.9	254.7	38.6	32.4	8.9	344.9	999.9	99.9	999.9	33.1	43.
46.1	127.3	14830.4	125.3	-59.7	99.9	261.2	18.6	18.4	2.8	344.9	999.9	99.9	999.9	37.5	46.
52.7	135.5	14287.4	100.3	-62.6	99.9	264.9	12.1	12.1	1.1	467.9	999.9	99.9	999.9	40.8	51.
58.2	144.3	15.1.9.7	75.3	-60.8	99.9	271.7	11.1	11.1	-0.3	465.5	999.9	99.9	999.9	44.1	54.
63.9	152.3	23196.5	50.3	-61.6	99.9	278.3	4.7	4.7	-0.8	499.9	999.9	99.9	999.9	46.1	57.
78.8	162.6	20577.8	25.3	-51.4	99.9	999.9	999.9	99.9	99.9	636.2	999.9	99.9	999.9	46.4	58.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

2 MAY 1970
1750 GMT

21 687. 0

TIME MIN	CRICT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.0	1156.0	880.0	3.3	2.7	45.0	10.2	-6.6	-7.8	286.0	295.6	5.3	96.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	18.2	1213.5	875.0	3.1	2.5	48.0	11.0	-8.2	-7.4	287.0	303.8	5.2	95.5	0.8	222.
1.2	20.5	1457.8	850.0	5.1	-5.5	56.4	17.0	-14.9	-5.7	236.2	257.8	4.3	95.7	1.1	223.
2.6	22.5	1697.2	825.0	1.2	0.5	73.6	21.3	-21.4	-6.2	289.8	332.0	4.8	95.6	2.3	233.
3.5	25.4	1946.2	800.0	3.5	2.3	87.6	26.7	-26.7	-1.1	294.9	319.3	5.7	51.9	3.5	244.
4.5	27.5	2196.1	775.0	2.4	1.1	93.6	19.4	-19.6	1.2	296.4	311.2	5.6	91.2	4.6	255.
5.5	23.4	2033.8	750.0	6.5	-5.6	99.6	15.8	-15.5	3.3	297.8	311.2	4.9	55.1	5.7	256.
6.2	23.5	[illegible]	725.0	5.2	-1.1	100.6	18.6	-18.1	6.7	299.7	313.1	4.6	49.3	7.0	261.
7.5	23.6	[illegible]	700.0	5.2	-1.8	999.9	999.9	99.9	99.9	302.7	316.3	4.8	96.3	999.9	999.
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 428
DAYTON, OHIO

2 MAY 1978
1658 GMT

157 22. 0

TIME MIN	CNTGT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.2	298.0	982.4	12.0	-0.8	300.0	4.1	3.6	-2.0	286.6	296.5	3.7	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.9	361.2	975.0	...2	-1.4	338.6	6.7	2.4	-6.2	286.4	296.0	3.6	41.5	0.2	104.
0.8	11.3	577.1	950.0	8.7	-1.8	338.4	6.8	2.5	-6.3	286.0	295.6	3.5	47.6	0.3	133.
1.4	13.7	796.9	925.0	6.2	-3.0	326.5	6.0	3.3	-5.0	285.7	294.6	3.3	51.4	0.6	142.
2.3	16.2	1020.6	900.0	3.9	-3.3	330.1	4.4	2.2	-3.8	285.6	294.6	3.3	59.3	0.8	142.
3.1	18.7	1248.7	875.0	1.7	-3.6	326.5	4.4	2.4	-3.7	285.6	294.6	3.4	67.8	1.0	145.
4.0	21.3	1481.6	850.0	-0.5	-3.9	329.3	4.4	2.3	-3.8	285.7	294.8	3.4	77.6	1.3	144.
5.0	23.9	1719.4	825.0	-2.9	-4.0	350.5	4.7	0.8	-4.6	285.5	294.8	3.5	92.3	1.5	147.
5.9	26.4	1963.0	800.0	-2.7	-17.7	357.3	7.4	0.3	-7.3	288.2	291.7	1.2	30.5	1.8	151.
6.7	29.1	2214.5	775.0	-3.4	-18.7	355.2	9.2	0.8	-9.1	290.2	293.5	1.1	29.6	2.2	157.
7.5	31.8	2473.2	750.0	-4.9	-12.6	348.7	8.7	1.7	-8.6	291.2	296.8	1.9	54.8	2.6	159.
8.5	34.6	2739.4	725.0	-5.9	-14.9	330.9	6.8	3.3	-6.0	293.0	297.8	1.7	49.2	3.1	159.
9.5	37.3	3014.9	700.0	-4.8	-19.8	313.2	7.6	5.6	-5.2	297.2	300.6	1.1	29.6	3.4	157.
10.6	40.2	3300.3	675.0	-5.8	-19.4	305.8	9.7	7.9	-5.7	299.1	302.8	1.2	33.2	3.9	153.
11.6	43.1	3595.3	650.0	-7.4	-21.6	301.7	10.5	8.9	-5.5	300.7	303.9	1.0	30.8	4.5	149.
12.8	46.1	3899.5	625.0	-9.7	-20.9	296.8	12.0	10.7	-5.4	301.4	304.9	1.2	39.5	5.2	145.
14.0	49.1	4213.5	600.0	-11.4	-30.5	293.8	15.2	13.9	-6.1	302.9	304.5	0.5	18.8	6.1	140.
15.2	52.1	4538.4	575.0	-13.8	-31.7	296.8	16.4	14.7	-7.4	303.8	305.3	0.5	20.4	7.1	136.
16.4	55.4	4874.6	550.0	-15.5	-35.6	301.5	16.7	14.3	-8.8	305.7	306.8	0.3	16.1	8.3	134.
17.7	58.6	5224.7	525.0	-17.8	-39.5	305.1	17.7	14.5	-10.2	307.0	307.8	0.2	12.9	9.6	132.
19.1	61.9	5587.7	500.0	-20.3	-43.0	306.3	19.8	16.0	-11.7	308.3	308.8	0.2	11.0	11.1	131.
20.5	65.3	5965.5	475.0	-23.0	-46.5	306.8	20.4	16.3	-12.2	309.5	309.9	0.1	9.5	12.8	131.
22.0	68.7	6360.1	450.0	-25.4	-48.2	308.4	22.4	17.5	-13.9	311.3	311.6	0.1	9.8	14.6	130.
23.5	72.3	6772.2	425.0	-28.6	-43.3	307.1	23.3	18.6	-14.1	312.3	313.0	0.2	22.7	16.6	130.
24.9	76.0	7203.0	400.0	-32.1	-47.4	307.3	23.3	18.6	-14.1	313.3	313.8	0.1	19.9	18.7	130.
26.5	79.9	7655.8	375.0	-35.2	-50.6	310.4	26.6	20.3	-17.3	315.0	315.3	0.1	18.9	21.1	130.
28.2	83.8	8132.9	350.0	-38.8	-53.5	311.7	29.4	21.9	-19.5	316.4	316.7	0.1	19.2	24.0	130.
30.0	88.0	8637.5	325.0	-42.5	99.9	312.7	30.7	22.5	-20.8	318.1	999.9	99.9	999.9	27.1	130.
31.9	92.3	9173.9	300.0	-46.5	99.9	313.1	31.9	23.3	-21.8	319.8	999.9	99.9	999.9	30.6	130.
34.1	97.0	9746.1	275.0	-50.1	99.9	314.3	31.3	22.4	-21.9	322.6	999.9	99.9	999.9	34.8	131.
36.2	101.6	10364.3	250.0	-53.5	99.9	310.4	32.2	24.5	-20.8	326.5	999.9	99.9	999.9	38.9	131.
38.7	106.8	11036.2	225.0	-57.1	99.9	305.5	31.5	25.6	-18.3	331.0	999.9	99.9	999.9	43.4	131.
41.3	112.2	11781.9	200.0	-56.4	99.9	303.6	31.5	26.2	-17.4	343.5	999.9	99.9	999.9	48.8	130.
44.4	117.8	12631.6	175.0	-55.1	99.9	303.1	29.1	24.3	-15.9	359.0	999.9	99.9	999.9	53.7	126.
46.1	124.0	13615.8	150.0	-54.9	99.9	301.2	24.7	21.1	-12.8	375.4	999.9	99.9	999.9	60.0	129.
52.2	130.8	14779.9	125.0	-56.6	99.9	295.6	20.6	18.6	-8.9	392.4	999.9	99.9	999.9	65.7	128.
57.4	138.3	16193.9	100.0	-56.7	99.9	279.7	11.6	11.5	-2.3	418.2	999.9	99.9	999.9	69.7	127.
64.6	146.0	18038.8	75.0	-57.1	99.9	286.0	12.7	12.2	-3.5	453.3	999.9	99.9	999.9	75.1	125.
72.2	154.5	20590.1	50.0	-55.4	99.9	220.3	5.2	3.4	4.0	512.9	999.9	99.9	999.9	77.9	124.
85.5	163.0	25068.3	25.0	-49.7	99.9	171.3	6.1	-0.9	6.1	641.8	999.9	99.9	999.9	75.8	123.

* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** EV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

2 MAY 1970
1705 GMT

161 19. 0

TIME MIN	[illegible]	HEIGHT [illegible]	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
[illegible]	[illegible]	[illegible]	[illegible]	11.7	-1.4	45.0	5.6	-3.6	-4.3	284.9	294.0	3.4	30.6	6.6	6.
[illegible]	[illegible]	[illegible]	[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-4.9	27.1	7.9	-3.6	-7.5	286.2	291.6	2.7	37.5	0.3	263.
[illegible]	[illegible]	[illegible]	[illegible]	6.7	-5.0	26.3	6.7	-2.8	-6.5	286.5	291.5	2.6	29.7	5.7	258.
[illegible]	[illegible]	[illegible]	[illegible]	4.7	-3.6	[illegible]	[illegible]	-3.7	-7.2	286.2	299.8	2.6	35.1	1.1	254.
[illegible]	[illegible]	[illegible]	[illegible]	4.5	[illegible]	53.4	13.3	-6.5	-9.1	285.6	298.7	1.1	18.7	1.6	209.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-17.8	56.2	15.3	-5.5	-9.4	287.6	290.2	1.1	19.7	2.2	216.
[illegible]	[illegible]	[illegible]	[illegible]	2.2	-17.2	29.9	9.1	-6.5	-7.9	288.5	291.9	1.2	22.1	2.6	218.
[illegible]	[illegible]	[illegible]	[illegible]	3.5	-17.6	25.5	13.6	-4.1	-9.6	289.1	292.6	1.2	25.6	3.6	216.
[illegible]	[illegible]	[illegible]	[illegible]	-0.8	[illegible]	26.6	8.4	-3.8	-7.7	294.3	297.5	1.1	24.1	3.5	239.
[illegible]	[illegible]	[illegible]	[illegible]	-1.0	[illegible]	28.2	6.9	-3.2	-6.1	292.3	294.1	1.3	29.6	3.8	259.
[illegible]	[illegible]	[illegible]	[illegible]	-2.2	[illegible]	15.6	7.7	-1.4	-7.4	296.2	297.8	1.2	27.7	4.2	264.
[illegible]	[illegible]	[illegible]	[illegible]	-2.5	-13.4	6.8	6.9	-5.6	-6.9	294.8	315.2	.1	25.9	4.5	257.
[illegible]	[illegible]	[illegible]	[illegible]	-1.7	-22.1	2.5	6.7	-5.1	-6.7	305.6	313.5	6.5	15.5	4.9	234.
[illegible]	[illegible]	[illegible]	[illegible]	-1.4	-14.2	247.5	6.9	1.5	-6.7	301.8	314.4	6.8	15.8	5.2	233.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7.5	2.4	-6.1	303.6	317.6	6.7	14.7	5.5	236.
[illegible]	[illegible]	[illegible]	[illegible]	-0.6	[illegible]	327.9	6.9	3.7	-5.5	307.2	314.1	6.4	13.5	5.8	196.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	314.1	6.9	4.5	-5.1	307.9	333.5	5.5	12.5	6.1	193.
[illegible]	[illegible]	[illegible]	[illegible]	-9.7	[illegible]	337.8	6.7	5.1	-4.1	309.7	315.3	5.4	12.2	6.3	185.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.5	4.0	-4.1	310.5	313.5	5.3	13.8	6.4	185.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11.5	9.5	-7.8	312.1	318.3	5.3	11.6	7.1	146.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.4	-8.1	311.3	310.5	5.1	12.2	7.7	175.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.7	12.6	-9.6	314.9	315.7	5.2	12.5	8.6	155.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14.5	14.8	-8.3	315.1	313.9	5.2	14.0	9.5	143.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18.4	[illegible]	-7.1	314.5	314.6	5.2	10.7	15.7	158.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25.2	18.7	-7.7	314.8	317.2	6.1	16.7	11.9	152.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.0	-6.4	318.2	314.5	5.1	15.1	13.6	147.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.5	21.1	-7.7	318.9	319.2	4.1	21.6	15.1	103.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	23.6	20.4	-7.2	319.8	999.9	99.9	999.9	17.1	134.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	27.3	24.5	-4.3	321.4	999.9	99.9	999.9	23.5	131.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	25.2	22.5	-1.9	321.6	999.9	99.9	999.9	21.9	135.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	21.8	27.5	-1.8	325.0	999.9	99.9	999.9	23.8	127.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	18.5	27.1	-7.8	330.9	999.9	99.9	999.9	27.0	123.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	[illegible]	44.2	-11.8	334.5	999.9	99.9	999.9	32.3	123.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	32.7	31.7	-8.2	351.3	999.9	99.9	999.9	37.9	118.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	28.1	28.1	-13.1	375.5	999.9	99.9	999.9	43.3	116.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	25.4	15.5	-5.8	396.9	999.9	99.9	999.9	47.8	116.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	15.9	14.5	-5.5	411.9	999.9	99.9	999.9	52.3	115.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	11.8	11.1	-4.5	445.7	999.9	99.9	999.9	56.9	115.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	[illegible]	6.6	1.2	511.6	999.9	99.9	999.9	60.5	115.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	99.9	[illegible]	6.6	3.9	2.5	603.6	999.9	99.9	999.9	66.9	116.

* BY [illegible] ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TIME MEANS [illegible] TIME HAVE BEEN INTERPOLATED
** BY [illegible] ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

2 MAY 1978
1715 GMT

152 13. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.2	791.0	928.0	7.8	0.5	80.0	7.1	-7.0	-1.2	287.8	298.5	4.3	60.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	13.5	817.7	925.0	6.9	-0.2	82.3	7.5	-7.4	-1.0	286.4	297.3	4.1	60.4	0.1	323.
0.5	15.8	1041.4	900.0	3.9	-2.7	86.0	8.8	-8.8	-0.6	285.5	294.9	3.5	61.6	0.5	257.
1.7	19.2	1269.4	875.0	1.4	-3.2	87.1	8.8	-8.8	-0.5	285.3	294.6	3.5	71.6	1.9	261.
2.4	20.6	1502.1	850.0	-0.7	-2.8	89.0	8.9	-8.9	-0.2	285.4	295.2	3.7	85.6	1.3	263.
3.2	23.0	1739.7	825.0	-3.1	-14.8	87.6	9.4	-9.4	-0.4	285.4	289.6	1.5	40.4	1.7	264.
4.2	25.5	1986.0	800.0	1.1	-11.9	91.7	11.4	-11.4	0.3	292.4	297.9	1.9	37.4	2.3	265.
5.1	28.0	2241.0	775.0	0.4	-5.5	100.6	9.2	-9.0	1.7	294.3	303.4	3.3	64.1	2.9	268.
6.0	30.6	2504.3	750.0	-0.3	-0.3	106.3	8.0	-7.7	2.3	296.3	310.0	5.0	101.8	3.3	270.
7.0	33.2	2775.4	725.0	-1.2	-1.5	107.2	7.9	-7.6	2.4	298.1	311.4	4.8	99.4	3.8	272.
8.1	35.9	3055.2	700.0	-1.9	-2.8	110.8	9.9	-9.2	3.5	300.3	312.9	4.5	93.9	4.3	274.
8.9	38.6	3343.8	675.0	-3.7	-6.4	129.7	9.8	-6.9	5.8	301.5	311.8	3.6	82.6	4.8	277.
9.9	41.3	3641.8	650.0	-4.4	-12.0	152.4	7.1	-3.3	6.3	304.0	311.0	2.4	55.4	5.1	280.
11.0	44.1	3950.2	625.0	-5.9	-11.6	179.6	3.5	-0.0	3.5	305.8	313.3	2.5	63.9	5.3	284.
12.0	47.0	4269.6	600.0	-7.2	-13.1	245.8	2.9	2.6	1.2	307.8	314.8	2.3	62.2	5.3	285.
13.2	50.0	4600.7	575.0	-8.8	-15.1	249.7	4.4	4.1	1.5	309.7	316.0	2.0	59.9	5.1	286.
14.4	53.0	4944.7	550.0	-10.1	-17.4	239.7	5.4	4.7	2.7	312.1	317.7	1.8	54.9	4.8	289.
15.8	56.1	5302.4	525.0	-12.8	-21.1	239.7	4.9	4.2	2.5	314.0	318.3	1.3	46.5	4.5	294.
17.2	59.3	5674.4	500.0	-14.3	-25.9	254.3	2.9	2.8	0.8	315.6	318.6	0.9	36.5	4.3	298.
18.8	62.5	6061.4	475.0	-17.4	-28.1	290.6	2.3	2.1	-0.8	316.5	319.1	0.8	38.4	4.2	299.
19.9	65.7	6463.8	450.0	-20.8	-28.6	285.8	4.1	3.9	-1.1	317.1	319.8	0.8	49.3	3.9	299.
21.3	69.1	6883.4	425.0	-24.9	-27.8	261.1	6.1	6.1	1.0	317.2	320.4	1.0	81.9	3.6	302.
22.7	72.7	7322.0	400.0	-27.9	-32.2	254.2	7.1	6.9	1.7	318.7	320.9	0.6	66.5	3.2	310.
24.5	76.4	7782.2	375.0	-31.7	-38.7	245.[illegible]	6.9	6.3	2.8	319.6	320.9	0.3	49.5	2.9	323.
26.3	80.3	8265.6	350.0	-35.9	-42.4	257.7	7.0	6.9	1.5	320.3	321.2	0.2	50.9	2.7	337.
27.9	84.3	8777.2	325.0	-39.4	99.9	241.6	12.5	11.0	5.9	322.4	999.9	99.9	999.9	2.8	354.
29.4	88.6	9320.8	300.0	-43.5	99.9	228.2	20.9	15.6	14.0	324.1	999.9	99.9	999.9	3.8	15.
31.1	92.8	9900.3	275.0	-47.8	99.9	219.9	31.6	20.3	24.2	326.1	999.9	99.9	999.9	6.3	26.
33.0	97.5	10523.2	250.0	-52.8	99.9	218.8	39.4	24.5	30.9	327.7	999.9	99.9	999.9	10.4	31.
35.2	102.4	11194.9	225.0	-58.3	99.9	215.5	43.6	25.4	35.5	329.2	999.9	99.9	999.9	15.6	33.
37.7	107.8	11924.9	200.0	-64.7	99.9	212.1	46.5	24.7	39.4	330.3	999.9	99.9	999.9	22.5	33.
40.1	113.3	12732.8	175.0	-68.0	99.9	228.9	38.5	29.0	25.3	343.4	999.9	99.9	999.9	29.3	34.
43.0	119.5	13681.2	150.0	-62.5	99.9	248.4	21.8	20.2	8.0	362.4	999.9	99.9	999.9	33.7	37.
46.6	126.3	14821.2	125.0	-57.5	99.9	259.6	13.5	13.3	2.4	390.9	999.9	99.9	999.9	38.6	41.
50.5	133.7	16218.4	100.0	-60.6	99.9	259.9	10.4	10.3	1.8	410.8	999.9	99.9	999.9	38.6	44.
55.2	141.7	18013.1	75.0	-60.1	99.9	257.4	8.8	8.6	1.9	447.0	999.9	99.9	999.9	41.6	45.
62.6	150.5	20527.4	50.0	-61.4	99.9	328.8	5.3	2.7	-4.5	498.9	999.9	99.9	999.9	43.8	49.
73.1	159.7	24656.0	25.0	-53.2	99.9	999.9	999.9	99.9	99.9	632.1	999.9	99.9	999.9	43.2	49.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

2 MAY 1978
1700 GMT

160 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.7	268.0	989.2	13.9	-2.5	90.0	3.6	-3.6	0.0	288.0	296.7	3.2	32.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.9	389.4	975.0	11.3	-5.6	999.9	999.9	99.9	99.9	286.5	293.7	2.6	30.2	999.9	999.
1.0	11.2	605.4	950.0	8.8	-6.0	999.9	999.9	99.9	99.9	286.1	293.1	2.6	34.4	999.9	999.
1.5	13.5	825.0	925.0	6.5	-6.5	999.9	999.9	99.9	99.9	286.0	293.0	2.5	38.7	999.9	999.
2.1	15.8	1048.9	900.0	4.3	-6.4	999.9	999.9	99.9	99.9	285.9	293.1	2.6	45.8	999.9	999.
2.8	18.2	1277.3	875.0	2.1	-7.5	999.9	999.9	99.9	99.9	285.9	292.8	2.5	49.1	999.9	999.
3.6	20.6	1510.5	850.0	0.3	-8.0	84.2	6.6	-6.6	-0.7	286.5	293.3	2.5	53.6	1.8	244.
4.9	23.0	1748.9	825.0	-2.3	-11.9	78.2	8.2	-8.0	-1.7	286.2	291.4	1.9	47.6	2.2	247.
5.8	25.4	1993.5	800.0	-1.7	-21.6	76.5	8.8	-8.6	-2.1	289.4	292.0	0.9	21.1	2.7	249.
6.8	28.0	2246.1	775.0	-1.2	-32.9	58.6	7.7	-6.5	-4.0	292.6	293.5	0.3	6.7	3.2	250.
7.8	30.5	2508.1	750.0	0.5	-33.5	14.8	5.4	-1.4	-5.2	297.2	298.1	0.3	5.7	3.5	247.
8.9	33.0	2780.6	725.0	1.9	-34.4	6.4	4.4	-0.5	-4.4	301.6	302.5	0.3	4.7	3.6	242.
9.9	35.7	3063.8	700.0	2.2	-32.6	14.2	3.8	-0.9	-3.6	305.0	306.1	0.3	5.5	3.8	239.
11.0	38.3	3356.2	675.0	0.3	-31.0	22.8	3.3	-1.3	-3.1	306.0	307.4	0.4	7.3	4.0	237.
12.3	41.0	3657.1	650.0	-2.3	-29.5	35.6	3.8	-2.2	-3.1	306.4	308.1	0.5	10.2	4.2	235.
13.5	43.9	3967.1	625.0	-4.5	-28.2	34.2	3.0	-1.7	-2.5	307.3	309.2	0.6	13.6	4.5	234.
14.8	46.8	4286.8	600.0	-7.1	-27.8	52.4	2.3	-1.8	-1.4	307.9	310.1	0.6	17.3	4.7	234.
16.2	49.8	4617.5	575.0	-9.1	-25.8	79.0	1.9	-1.8	-0.4	309.4	312.0	0.8	24.2	4.8	234.
17.4	52.8	4960.2	550.0	-11.0	-18.2	184.7	1.6	0.1	1.5	311.0	316.2	1.7	55.3	4.9	235.
18.8	55.8	5315.9	525.0	-14.0	-20.4	269.2	4.1	4.1	0.1	311.6	316.2	1.4	58.1	4.7	234.
20.0	58.9	5684.9	500.0	-15.8	-25.1	295.3	7.9	7.2	-3.4	313.8	317.0	1.0	44.7	4.4	230.
21.5	62.3	6070.1	475.0	-18.3	-30.6	300.8	12.8	11.0	-6.5	315.3	317.4	0.6	33.0	4.2	217.
23.0	65.6	6471.5	450.0	-21.5	-37.6	299.7	16.6	14.5	-8.2	316.3	317.4	0.3	21.6	4.3	200.
24.4	69.0	6891.3	425.0	-23.8	-46.4	300.3	22.0	19.0	-11.1	318.5	319.0	0.1	10.3	4.8	180.
26.1	72.7	7331.8	400.0	-27.3	-48.9	299.2	25.0	21.9	-12.2	319.5	319.9	0.1	10.7	6.5	161.
27.8	76.4	7792.7	375.0	-31.5	-50.1	292.4	24.6	22.8	-9.4	319.9	320.3	0.1	13.8	8.4	146.
29.6	80.3	8276.9	350.0	-36.0	-53.8	285.2	29.2	28.1	-7.7	320.2	320.5	0.1	13.9	10.7	136.
31.5	84.3	8788.3	325.0	-38.9	-55.9	285.3	32.8	31.6	-8.6	323.0	323.2	0.1	14.5	13.8	131.
33.4	88.5	9331.3	300.0	-44.1	99.9	283.4	34.8	33.9	-8.1	323.2	999.9	99.9	999.9	17.3	125.
35.2	92.8	9910.1	275.0	-48.2	99.9	274.2	41.2	41.1	-3.0	325.4	999.9	99.9	999.9	21.1	120.
37.1	97.5	10532.1	250.0	-52.6	99.9	263.3	48.5	48.1	5.6	327.8	999.9	99.9	999.9	25.6	114.
39.6	102.4	11204.4	225.0	-58.2	99.9	258.5	55.4	54.3	11.0	329.4	999.9	99.9	999.9	32.3	106.
42.0	107.5	11942.8	200.0	-59.9	99.9	263.8	50.8	50.5	5.5	337.9	999.9	99.9	999.9	39.7	101.
44.5	113.2	12762.6	175.0	-66.9	99.9	268.7	39.7	39.7	0.9	339.5	999.9	99.9	999.9	46.2	99.
47.5	119.3	13709.8	150.0	-60.9	99.9	279.6	23.4	23.1	-3.9	345.1	999.9	99.9	999.9	51.8	99.
51.2	126.0	14869.9	125.0	-59.2	99.9	280.7	17.9	17.6	-3.3	387.8	999.9	99.9	999.9	56.8	99.
55.7	133.3	16246.5	100.0	-59.4	99.9	273.1	12.4	12.4	-0.7	413.0	999.9	99.9	999.9	60.0	99.
61.5	141.7	18055.7	75.0	-58.8	99.9	281.2	11.3	11.1	-2.2	449.7	999.9	99.9	999.9	63.8	98.
69.0	150.7	20606.0	50.0	-57.6	99.9	268.0	6.2	6.2	0.2	507.9	999.9	99.9	999.9	67.6	99.
81.2	160.3	25043.9	25.0	-50.8	99.9	163.1	6.8	-2.0	6.5	639.1	999.9	99.9	999.9	87.1	99.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

2 MAY 1978
1715 GMT

162 12. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	200.0	998.1	12.8	-6.2	350.0	5.1	0.9	-5.0	286.1	292.8	2.4	26.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.8	8.9	355.2	975.0	9.8	-8.6	16.5	2.9	-0.8	-2.8	285.1	290.7	2.0	26.3	0.2	182.
1.6	11.3	610.1	950.0	8.3	-9.1	40.6	3.1	-2.0	-2.4	285.3	290.9	2.0	28.7	0.3	195.
2.3	13.8	829.0	925.0	5.4	-10.7	34.6	3.7	-2.1	-3.0	284.8	289.9	1.8	30.1	0.5	203.
3.3	16.2	1052.0	900.0	3.4	-10.9	39.1	4.6	-2.9	-3.5	285.1	290.2	1.9	34.1	0.7	205.
4.2	18.7	1279.4	875.0	1.0	-11.1	49.0	5.6	-4.3	-3.7	284.8	290.0	1.9	40.1	1.0	212.
5.2	21.2	1511.6	850.0	-0.7	-14.4	32.8	7.5	-4.0	-6.3	285.4	289.7	1.5	35.2	1.3	215.
6.1	23.7	1749.9	825.0	-0.3	-21.8	24.4	8.6	-3.5	-7.8	288.3	290.7	0.8	17.9	1.8	212.
7.1	26.3	1995.3	800.0	-1.4	-23.2	24.8	8.2	-3.5	-7.5	289.6	291.8	0.7	17.1	2.3	211.
7.9	28.9	2247.4	775.0	-3.0	-24.4	15.0	8.1	-2.1	-7.9	290.6	292.7	0.7	17.3	2.7	209.
8.8	31.6	2506.2	750.0	-4.7	-25.7	12.2	8.6	-1.8	-8.4	291.5	293.4	0.6	17.4	3.1	207.
9.8	34.3	2773.0	725.0	-4.2	-27.1	8.4	8.4	-1.2	-8.4	294.8	296.6	0.6	14.7	3.6	204.
10.9	37.1	3049.3	700.0	-4.8	-26.2	7.0	8.9	-1.1	-8.8	297.2	299.2	0.6	16.7	4.2	202.
11.9	39.9	3334.5	675.0	-6.2	-32.5	11.3	10.7	-2.1	-10.5	298.7	299.9	0.4	10.3	4.7	201.
13.0	42.8	3631.0	650.0	-4.6	-30.2	12.3	12.0	-2.6	-11.7	303.8	305.4	0.5	11.3	5.5	200.
14.2	45.6	3939.2	625.0	-5.8	-29.0	4.6	11.8	-0.9	-11.7	305.8	307.6	0.6	14.0	6.4	198.
15.5	48.6	4257.5	600.0	-8.3	-24.1	357.1	11.5	0.6	-11.5	306.5	309.3	0.9	26.6	7.2	196.
16.7	51.6	4586.5	575.0	-10.5	-28.5	348.3	12.1	2.5	-11.9	307.7	309.7	0.6	21.2	8.0	194.
17.9	54.6	4927.2	550.0	-12.7	-32.3	339.3	12.2	4.3	-11.4	309.0	310.5	0.5	17.6	8.8	191.
19.3	57.9	5280.5	525.0	-14.9	-34.7	330.3	12.7	6.3	-11.0	310.5	311.8	0.4	16.5	9.6	187.
20.8	61.0	5648.6	500.0	-16.2	-36.4	323.1	13.0	7.8	-10.4	313.3	314.4	0.3	15.5	10.5	183.
22.4	64.3	6032.1	475.0	-19.8	-38.9	323.2	13.6	8.1	-10.9	313.5	314.5	0.3	16.3	11.5	179.
24.0	67.7	6431.1	450.0	-22.5	-41.3	317.9	13.9	9.3	-10.3	314.9	315.7	0.2	16.1	12.5	175.
25.6	71.1	6847.6	425.0	-25.9	-44.0	311.7	14.0	10.5	-9.3	315.8	316.4	0.2	16.4	13.6	172.
27.4	74.9	7283.5	400.0	-29.6	-46.8	310.1	14.4	11.0	-9.3	316.5	317.0	0.1	16.7	14.8	167.
29.3	78.7	7740.3	375.0	-33.7	-50.6	309.8	15.0	11.6	-9.6	317.0	317.4	0.1	16.2	16.1	164.
31.1	82.5	8220.8	350.0	-37.2	-52.9	305.3	15.7	12.8	-9.1	317.6	318.9	0.1	17.4	17.6	161.
33.2	86.7	8728.4	325.0	-41.4	99.9	295.9	14.9	13.4	-6.5	318.5	999.9	99.9	999.9	19.0	157.
35.1	90.8	9266.4	300.0	-45.9	99.9	290.8	17.0	15.9	-6.0	319.7	999.9	99.9	999.9	20.4	154.
37.3	95.3	9839.2	275.0	-50.9	99.9	288.6	16.9	16.1	-5.4	321.6	999.9	99.9	999.9	22.0	149.
39.5	100.0	10452.4	250.0	-55.9	99.9	292.5	18.1	16.7	-6.9	323.0	999.9	99.9	999.9	23.9	146.
42.0	105.0	11118.6	225.0	-58.5	99.9	289.1	21.7	20.6	-7.1	328.9	999.9	99.9	999.9	26.3	142.
44.7	110.2	11852.1	200.0	-61.7	99.9	284.8	22.9	22.1	-5.9	335.1	999.9	99.9	999.9	29.4	138.
47.7	115.8	12682.8	175.0	-58.7	99.9	285.7	25.1	24.1	-6.8	353.1	999.9	99.9	999.9	32.9	134.
51.2	122.0	13650.8	150.0	-58.1	99.9	296.3	19.5	17.4	-8.6	370.0	999.9	99.9	999.9	37.5	131.
55.2	128.7	14805.6	125.0	-57.5	99.9	289.1	16.4	15.5	-5.3	390.8	999.9	99.9	999.9	41.3	130.
60.0	136.0	16207.6	100.0	-58.8	99.9	294.8	14.4	13.0	-6.0	414.1	999.9	99.9	999.9	45.6	128.
66.2	144.0	18019.0	75.0	-58.5	99.9	294.0	10.6	9.7	-4.3	450.4	999.9	99.9	999.9	50.0	126.
74.4	153.0	20586.2	50.0	-56.1	99.9	359.9	3.9	0.0	-3.9	511.4	999.9	99.9	999.9	53.3	126.
87.2	162.3	25083.6	25.0	-48.2	99.9	999.9	999.9	99.9	99.9	646.6	999.9	99.9	999.9	52.4	126.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 563
OMAHA, NEBRASKA

2 MAY 1978
1700 GMT

152 15. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	0.0	974.7	12.3	-5.7	140.0	3.6	-2.3	2.8	287.6	296.7	2.6	28.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
3.6	[illegible] 5	613.8	900.0	9.4	-7.1	105.0	3.9	-3.8	1.0	286.8	293.3	2.4	30.4	0.1	295.
1.2	12.6	834.0	925.0	7.2	-6.0	81.1	4.5	-4.4	-0.7	286.6	292.9	2.3	33.1	0.3	276.
2.5	14.9	1058.3	900.0	5.0	-7.5	79.2	4.7	-4.6	-0.9	286.6	293.3	2.4	39.8	0.6	278.
3.4	17.2	1287.6	875.0	3.1	-7.4	53.4	3.4	-2.7	-2.0	287.0	293.9	2.5	45.7	0.8	285.
4.3	19.5	1521.0	850.0	0.8	-8.2	44.3	3.9	-2.7	-2.8	286.9	293.7	2.4	51.2	0.9	257.
5.2	21.8	1760.4	825.0	-1.3	-10.0	59.8	4.4	-3.8	-2.2	287.2	293.3	2.2	51.5	1.1	253.
6.2	24.2	2004.8	800.0	-2.6	-23.2	78.1	3.5	-3.4	-0.7	288.4	290.6	0.8	19.8	1.3	252.
6.8	26.6	2256.8	775.0	-2.4	-34.5	95.4	4.5	-4.4	0.4	291.2	292.8	0.3	6.4	1.5	256.
7.6	29.1	2517.6	750.0	-0.5	-36.3	98.9	6.8	-6.8	0.1	296.8	296.8	0.2	4.6	1.8	257.
8.4	31.6	2789.7	725.0	0.3	-35.9	75.2	7.8	-7.6	-2.0	299.9	300.7	0.2	4.5	2.1	258.
9.4	34.2	3071.4	700.0	2.6	-34.9	71.1	7.9	-7.5	-2.6	305.4	306.3	0.3	4.2	2.6	257.
10.4	36.8	3364.2	675.0	0.6	-34.8	73.6	7.3	-7.0	-2.1	306.3	307.3	0.3	4.9	3.0	256.
11.4	39.4	3665.6	650.0	-1.8	-30.8	59.3	5.8	-5.0	-2.9	306.5	308.4	0.4	8.8	3.4	255.
12.5	42.1	3979.9	625.0	-4.3	-29.8	58.5	3.9	-3.0	-2.5	307.5	309.2	0.5	11.8	3.7	253.
13.6	44.9	4299.1	600.0	-6.5	-29.4	60.8	3.8	-3.3	-1.9	308.6	310.4	0.6	14.3	3.9	252.
14.6	47.6	4627.4	575.0	-8.8	-28.9	66.5	3.1	-2.9	-1.2	309.8	311.7	0.6	17.6	4.2	252.
15.8	50.2	4970.2	550.0	-11.0	-31.7	56.0	1.6	-1.2	-1.0	311.1	312.7	0.5	16.1	4.3	252.
17.0	53.2	5326.6	525.0	-13.8	-33.4	54.3	0.5	-0.4	-0.3	311.8	313.3	0.4	17.2	4.4	251.
18.4	56.3	5696.6	500.0	-16.1	-35.9	76.8	1.2	-1.1	-0.3	313.4	314.7	0.4	16.2	4.5	251.
19.8	59.4	6079.1	475.0	-19.1	-38.9	107.4	1.4	-1.3	0.4	314.3	315.3	0.3	15.3	4.5	252.
21.3	62.6	6475.8	450.0	-22.6	-41.3	91.7	1.9	-1.9	0.1	314.9	315.7	0.2	16.7	4.7	253.
22.5	65.9	6886.2	425.0	-26.0	-43.8	142.4	1.2	-0.7	1.0	315.7	316.3	0.2	16.8	4.8	253.
24.2	69.3	7310.8	400.0	-29.7	-46.8	214.6	1.7	1.0	1.4	316.3	316.9	0.1	17.1	4.7	255.
25.6	72.9	7751.9	375.0	-33.0	-49.2	228.4	3.2	2.2	2.3	317.9	318.3	0.1	17.8	4.5	256.
27.2	76.6	8209.4	350.0	-36.7	-43.8	240.4	5.1	4.4	2.5	319.2	328.0	0.2	47.3	4.2	258.
29.0	80.4	8778.2	325.0	-40.9	99.9	247.4	6.8	6.2	2.8	320.4	999.9	99.9	999.9	3.9	260.
30.8	84.5	9317.3	300.0	-45.4	99.9	229.8	5.8	4.4	3.7	321.4	999.9	99.9	999.9	3.9	264.
32.7	88.8	9892.8	275.0	-49.8	99.9	195.6	4.0	1.1	3.8	323.1	999.9	99.9	999.9	3.6	274.
34.4	93.2	10509.8	250.0	-54.6	99.9	199.0	2.5	0.8	2.4	324.9	999.9	99.9	999.9	3.8	282.
36.5	98.0	11175.9	225.0	-60.0	99.9	203.2	5.4	2.1	5.0	326.6	999.9	99.9	999.9	3.5	291.
39.2	103.0	11904.3	200.0	-62.8	99.9	227.9	12.5	9.3	8.4	333.4	999.9	99.9	999.9	3.9	317.
41.6	108.5	12735.8	175.0	-60.0	99.9	250.2	24.0	22.6	8.1	350.9	999.9	99.9	999.9	3.3	12.
44.4	114.5	13696.6	150.0	-56.6	99.9	276.0	19.3	19.2	-2.0	367.4	999.9	99.9	999.9	6.8	53.
48.0	121.3	14841.9	125.0	-58.0	99.9	284.7	12.9	12.5	-3.3	389.9	999.9	99.9	999.9	8.5	70.
52.4	128.7	16248.5	100.0	-57.4	99.9	281.4	10.7	10.5	-2.1	416.9	999.9	99.9	999.9	10.9	78.
57.6	136.7	18063.9	75.0	-56.3	99.9	304.9	9.5	7.8	-5.5	448.6	999.9	99.9	999.9	14.8	85.
64.5	145.7	20618.4	50.0	-55.9	99.9	249.8	4.8	4.3	1.7	511.8	999.9	99.9	999.9	19.8	93.
75.8	155.0	25098.5	25.0	-51.9	99.9	148.2	2.6	-1.4	2.1	635.3	999.9	99.9	999.9	15.8	62.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

2 MAY 1978
1715 GMT

155 14. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.7	847.0	921.4	10.8	-2.6	128.0	3.1	-2.7	1.5	289.9	296.3	3.4	41.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	15.8	1041.3	900.0	7.2	-6.1	999.9	999.9	99.9	99.9	289.8	296.4	2.7	38.2	999.9	999.
2.1	18.3	1272.1	875.0	4.9	-5.7	999.9	999.9	99.9	99.9	288.9	296.8	2.9	46.4	0.4	321.
3.5	20.8	1507.4	850.0	2.5	-6.6	113.8	3.4	-3.1	1.4	288.8	296.4	2.8	51.8	0.7	313.
4.7	23.4	1748.1	825.0	0.4	-7.2	106.4	3.0	-2.9	0.8	289.8	296.5	2.7	56.7	0.9	307.
5.7	26.0	1996.1	800.0	-1.4	-10.5	104.1	2.8	-2.7	0.7	289.7	295.8	2.2	49.9	1.1	304.
6.7	28.7	2247.8	775.0	0.1	-26.5	106.4	5.1	-4.9	1.5	293.9	295.7	0.6	11.4	1.3	300.
7.7	31.4	2515.2	750.0	-0.3	-24.4	109.2	6.1	-5.8	2.0	296.3	298.1	0.6	11.8	1.6	298.
8.6	34.1	2781.6	725.0	-0.1	-26.1	116.7	6.2	-5.6	2.8	299.3	301.3	0.6	12.6	2.0	297.
9.7	37.0	3061.6	700.0	-1.5	-24.6	124.6	6.1	-5.0	3.5	300.8	303.1	0.7	15.2	2.4	297.
10.7	39.8	3350.4	675.0	-2.9	-21.8	129.1	6.1	-4.7	3.9	302.4	305.6	1.0	22.8	2.7	296.
11.7	42.7	3648.1	650.0	-5.8	-10.4	134.1	5.4	-3.9	3.7	302.7	310.6	2.7	69.5	3.1	300.
12.6	45.6	3955.1	625.0	-7.3	-8.0	142.8	4.4	-2.6	3.5	304.1	313.9	3.4	95.1	3.4	302.
13.8	48.6	4272.8	600.0	-8.8	-10.1	138.7	3.4	-2.2	2.5	306.0	314.8	3.0	90.4	3.6	303.
15.1	51.8	4602.0	575.0	-9.6	-13.7	103.7	3.0	-2.9	0.7	308.7	315.8	2.3	72.8	3.8	303.
16.6	55.0	4944.2	550.0	-11.7	-17.0	71.3	1.6	-1.5	-0.5	310.2	315.9	1.8	64.7	4.0	302.
17.9	58.1	5299.7	525.0	-13.4	-25.2	359.6	1.1	0.0	-1.1	312.3	316.9	1.5	56.8	4.2	301.
19.3	61.4	5670.5	500.0	-15.3	-25.3	339.2	1.7	0.6	-1.6	314.4	317.6	1.6	61.6	3.9	299.
20.6	64.9	6055.2	475.0	-18.3	-25.8	321.5	3.2	2.5	-2.5	315.4	317.9	0.7	38.9	3.6	298.
22.4	68.6	6454.5	450.0	-21.4	-32.1	298.2	6.4	5.6	-3.0	316.3	318.2	0.6	37.2	3.3	297.
23.7	72.5	6875.5	425.0	-25.0	-37.0	292.2	8.2	7.6	-3.1	316.9	318.2	0.4	31.4	2.7	298.
25.1	76.7	7318.2	400.0	-28.4	-44.3	290.0	12.3	11.6	-4.2	318.1	318.8	0.2	19.9	1.9	300.
26.4	79.6	7772.1	375.0	-32.5	-47.2	282.9	12.7	12.4	-2.4	318.6	319.1	0.1	21.2	0.7	322.
26.5	83.4	8256.2	350.0	-36.5	-50.7	269.6	19.4	19.4	0.1	319.5	3.9.9	0.1	21.2	1.1	58.
30.2	87.7	8763.6	325.0	-40.5	99.9	266.7	26.2	26.2	1.5	320.8	999.9	99.9	999.9	3.7	81.
32.1	92.0	9292.9	300.0	-45.2	99.9	259.3	28.3	27.8	5.2	321.7	999.9	99.9	999.9	6.9	82.
34.2	96.6	9878.5	275.0	-49.1	99.9	249.2	26.8	24.9	9.4	324.1	999.9	99.9	999.9	10.3	83.
36.2	101.4	10498.1	250.0	-53.9	99.9	240.9	30.4	26.6	14.8	326.4	999.9	99.9	999.9	13.5	76.
38.1	106.5	11159.1	225.0	-57.7	99.9	237.3	27.9	23.5	15.1	330.0	999.9	99.9	999.9	17.4	72.
40.7	111.8	11851.9	200.0	-60.8	99.9	230.5	19.1	14.8	12.2	333.6	999.9	99.9	999.9	20.5	69.
41.8	117.8	12731.7	175.0	-60.7	99.9	240.7	13.7	11.9	6.7	349.8	999.9	99.9	999.9	22.9	67.
44.4	124.0	13659.3	150.0	-57.7	99.9	254.9	11.7	11.3	3.1	370.6	999.9	99.9	999.9	25.3	67.
48.9	130.8	14652.9	125.0	-57.1	99.9	261.5	8.5	8.5	1.3	391.5	999.9	99.9	999.9	27.3	68.
50.1	138.3	15734.5	100.0	-57.1	99.9	263.1	8.1	8.1	1.0	417.3	999.9	99.9	999.9	29.3	69.
53.9	146.2	16979.7	75.0	-50.6	99.9	301.2	7.3	6.3	-3.8	448.6	999.9	99.9	999.9	31.4	71.
57.5	154.7	20632.6	50.0	-55.6	99.9	321.0	3.5	2.2	-2.7	512.5	999.9	99.9	999.9	33.5	75.
75.0	163.0	25150.6	25.0	-51.6	99.9	143.2	4.8	-2.4	3.2	638.8	999.9	99.9	999.9	32.4	76.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SPC, ALABAMA

2 MAY 1978
1722 GMT

100 100. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX R70 GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.1	140.0	999.0	17.9	3.0	350.0	2.6	0.5	-2.6	291.5	304.4	4.8	37.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	9.1	152.1	999.0	18.4	-3.2	35.3	4.8	-2.6	-4.1	289.6	298.2	3.1	29.4	0.3	192.
1.1	11.6	175.3	998.0	11.5	-3.0	40.5	5.4	-3.5	-4.1	288.8	297.7	3.2	36.1	0.5	199.
1.8	14.6	202.2	995.0	9.4	-2.8	50.3	5.5	-4.2	-3.5	288.9	298.1	3.4	42.0	0.7	208.
2.4	18.5	1218.7	990.0	7.5	-3.8	56.0	6.2	-5.2	-3.5	289.2	298.0	3.2	44.4	0.9	214.
3.1	19.0	1455.0	975.0	6.7	-23.2	51.6	8.3	-6.5	-5.2	290.7	292.8	0.7	9.6	1.2	219.
3.8	21.5	1497.7	950.0	6.5	-19.1	35.8	7.7	-4.5	-6.3	293.0	294.1	0.4	5.1	1.5	221.
4.5	24.1	1732.2	925.0	6.8	-32.6	346.7	6.4	1.5	-6.2	295.8	296.8	0.3	3.8	1.8	217.
5.3	26.7	1976.7	900.0	6.9	-34.3	309.2	8.5	6.7	-5.3	298.5	299.4	0.3	3.3	1.9	207.
6.1	29.3	2240.7	875.0	5.6	-34.7	298.3	8.3	7.3	-4.0	299.9	300.7	0.3	3.5	2.0	195.
6.8	32.0	2511.7	850.0	4.4	-29.1	298.9	8.7	7.6	-4.2	301.4	302.9	0.5	6.6	2.1	184.
7.7	34.9	2796.7	825.0	2.7	-29.1	302.5	11.7	9.8	-6.3	302.6	304.0	0.5	7.4	2.3	173.
8.6	37.6	3069.8	800.0	1.7	-30.5	310.2	12.2	9.3	-7.9	304.4	305.8	0.4	6.9	2.9	164.
9.6	40.4	3362.2	775.0	0.6	-29.6	307.8	14.5	11.4	-8.9	306.3	307.9	0.5	8.2	3.5	157.
10.5	43.3	3663.8	750.0	-1.4	-19.1	301.3	18.1	15.4	-9.4	307.4	311.5	1.3	24.8	4.3	151.
11.5	46.3	3979.3	725.0	-2.9	-25.2	295.3	22.3	20.1	-9.5	309.1	313.0	1.2	24.9	5.3	144.
12.5	49.3	4297.8	700.0	-5.6	-23.5	287.5	23.6	22.3	-7.1	310.3	313.4	1.0	21.7	6.5	137.
13.6	52.4	4620.6	675.0	-6.8	-27.2	283.1	24.3	23.6	-5.5	312.0	314.3	0.7	17.9	7.9	131.
14.6	55.5	4946.1	650.0	-9.1	-24.0	285.6	25.5	24.5	-6.9	313.4	316.6	1.0	28.5	9.3	127.
15.6	58.8	5278.9	625.0	-11.7	-24.2	282.2	27.0	26.4	-5.7	314.4	317.7	1.0	34.5	10.8	124.
16.7	62.1	5616.5	600.0	-14.5	-27.0	279.5	28.1	27.7	-4.6	315.4	318.2	0.8	33.5	12.5	120.
17.7	65.5	6002.7	575.0	-17.6	-28.9	282.8	28.3	27.6	-6.3	316.0	318.4	0.7	36.8	14.1	118.
18.8	68.9	6436.4	550.0	-21.3	-27.2	286.8	28.4	27.2	-8.2	316.4	318.9	0.7	48.8	15.9	116.
20.1	72.6	6918.7	525.0	-24.2	-28.3	289.8	28.2	26.5	-9.6	318.0	320.9	0.9	68.8	19.1	115.
21.5	76.3	7438.6	500.0	-26.9	-33.1	292.3	28.8	26.6	-10.7	320.1	322.1	0.6	55.1	23.5	115.
23.0	80.1	7976.8	475.0	-30.7	-34.3	289.6	32.2	30.3	-10.8	320.9	322.5	0.4	57.7	23 2	114.
24.2	84.2	8552.2	450.0	-34.7	-35.5	289.6	30.6	28.8	-10.3	322.0	323.3	0.4	67.9	25.5	114.
25.6	88.3	9115.8	425.0	-36.7	-4..8	289.1	34.6	32.7	-11.3	323.3	324.4	0.3	72.8	28.2	113.
27.1	92.7	9745.1	400.0	-43.3	99.9	286.6	39.1	37.4	-11.1	324.4	999.9	99.9	999.9	31.7	113.
28.9	97.2	9935.9	375.0	-48.1	99.9	283.8	39.9	38.7	-9.5	325.6	999.9	99.9	999.9	36.3	112.
30.5	102.5	10565.6	350.0	-52.9	99.9	283.5	48.7	47.4	-11.4	327.4	999.9	99.9	999.9	42.8	111.
32.7	107.0	11236.1	325.0	-57.2	99.9	999.9	999.9	99.9	99.9	330.8	999.9	99.9	999.9	46.5	110.
35.1	112.4	11971.3	300.0	-61.8	99.9	999.9	999.9	99.9	99.9	334.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 23001
COLLEGE STATION, TEXAS

2 MAY 1978
1745 GMT

191 36. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	70.0	997.3	21.2	14.6	0.0	0.0	0.0	0.0	294.6	328.9	12.0	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	0.0	278.1	975.0	18.2	14.6	999.9	999.9	99.9	99.9	293.5	321.7	10.8	79.6	999.9	999.
1.0	1.0	856.7	95 .9	16.6	14.7	999.9	999.9	99.9	99.9	294.1	323.2	11.1	88.1	1.6	267.
2.0	12.0	720.0	921 .9	16.1	13.4	122.6	13.2	-11.1	7.1	295.8	327.3	12.0	95.8	2.3	273.
4.0	15.1	598.7	895.9	17.6	14.6	141.3	14.6	-9.1	11.4	299.5	334.9	13.4	95.2	3.9	286.
5.1	17.2	1255.6	875.9	16.2	13.2	151.6	13.6	-6.5	11.9	300.6	334.2	12.8	94.4	5.8	295.
6.1	19.5	1047.1	856.9	15.4	14.2	156.2	12.9	-5.2	11.8	302.1	334.7	12.1	93.4	6.8	299.
7.0	21.7	1755.2	825.9	13.1	11.9	162.4	11.4	-3.4	10.9	302.5	331.5	10.7	92.2	8.2	304.
8.0	24.1	1545.2	805.9	11.7	10.5	169.9	12.0	-2.1	11.8	303.7	331.2	10.1	92.2	9.9	313.
9.0	26.9	2005.6	775.9	12.6	8.1	197.3	13.9	4.1	13.2	307.4	335.1	8.2	83.6	8.8	319.
11.2	28.9	2222.1	755.9	14.1	-0.5	207.1	15.9	7.3	14.2	311.9	339.4	6.9	36.7	7.1	328.
12.5	31.0	2707.3	725.9	12.6	-7.7	209.0	15.3	5.2	14.4	313.3	322.6	3.8	23.6	7.8	336.
13.5	34.1	3185.6	700.0	11.0	-11.0	199.4	14.1	3.7	13.6	314.7	321.8	2.8	17.1	8.8	341.
14.5	36.6	3552.4	675.9	8.5	-11.4	199.6	14.4	3.9	13.9	315.1	320.6	1.7	16.6	9.9	345.
17.	39.3	39	650.0	5.8	-14.9	199.9	14.6	4.8	13.7	315.5	320.5	1.6	17.7	11.1	346.
18.5	41.9	4 .7	625.0	2.8	-18.7	199.2	14.4	5.4	13.5	315.7	320.2	1.4	18.7	12.2	352.
20.5	44.8	4.06.5	600.0	0.0	-19.7	199.1	14.6	4.8	13.3	316.2	320.5	1.3	20.9	13.6	355.
21.5	47.7	4673.3	575.0	-1.2	-19.4	199.3	13.2	4.4	12.5	316.2	320.8	1.4	27.4	14.8	357.
22.2	50.6	5049.3	550.0	4.2	-18.9	201.4	12.2	4.9	11.2	316.7	321.7	1.6	35.7	15.9	359.
24.0	53.6	5425.0	525.0	-9.6	-19.0	207.5	13.0	6.6	11.5	316.8	322.0	1.6	46.2	16.9	1.
25.5	56.5	5795.6	500.0	-13.1	-19.8	209.3	13.8	7.2	14.0	317.1	322.2	1.6	57.2	18.4	3.
28.5	59.5	6151.8	475.0	-16.3	-21.3	212.4	17.5	9.4	14.9	317.8	322.5	1.5	65.2	20.0	5.
30.5	62.3	6500.2	450.0	-18.1	-17.7	223.4	17.7	12.1	12.9	320.5	321.6	0.3	16.1	21.9	8.
32.5	65.6	6850.2	425.0	-19.9	-17.9	230.5	16.8	14.6	11.8	323.5	324.7	0.3	18.5	23.5	11.
36.6	68.1	7201.8	400.0	-23.6	-46.9	235.2	20.3	16.7	11.6	324.3	325.3	0.3	18.4	25.5	15.
37.7	71.8	7552.1	375.0	-27.4	-44.1	237.4	21.9	18.4	11.8	325.3	326.1	0.2	18.5	27.4	19.
38.8	77.7	8298.5	350.0	-31.0	-45.9	241.5	25.2	22.1	12.0	326.9	327.5	0.2	19.1	29.7	22.
41.2	81.7	8651.5	325.0	-35.6	-49.6	251.8	27.9	26.1	8.6	327.8	328.3	0.1	21.7	32.5	27.
43.7	85.8	9006.8	300.0	-39.6	99.9	250.7	36.2	34.2	11.9	329.9	999.9	99.9	999.9	36.1	32.
46.4	90.3	9358.5	275.0	-42.7	99.9	256.0	39.3	38.2	9.5	333.3	999.9	99.9	999.9	40.8	38.
49.2	95.6	10093.8	250.0	-48.8	99.9	254.8	44.3	42.7	11.7	334.8	999.9	99.9	999.9	46.6	43.
52.1	100.3	10481.7	225.0	-52.5	99.9	261.4	41.2	40.7	6.2	338.1	999.9	99.9	999.9	53.0	48.
55.2	105.4	10838.5	200.0	-57.6	99.9	260.3	38.0	37.4	6.4	342.8	999.9	99.9	999.9	59.2	52.
58.4	111.3	11205.5	175.0	-61.2	99.9	251.5	27.8	25.6	8.6	345.6	999.9	99.9	999.9	64.4	54.
61.8	117.7	11553.8	150.0	-68.3	99.9	247.9	44.9	41.6	16.9	352.4	999.9	99.9	999.9	70.7	55.
65.2	125.0	11934.9	125.0	-67.1	99.9	245.7	48.2*	46.1	13.4	373.4	999.9	99.9	999.9	80.9	58.
69.0	133.0	12305.8	100.0	-67.3	99.9	254.1	19.9*	19.1	5.4	377.7	999.9	99.9	999.9	87.7	60.
73.0	141.3	12697.2	75.0	-66.3	99.9	275.9	9.3	9.2	-1.0	438.1	999.9	99.9	999.9	91.4	64.
83.3	150.7	20659.5	50.0	-58.7	99.9	999.9	999.9	99.9	99.9	885.7	999.9	99.9	999.9	92.8	62.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9		999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

2 May 1978

2100 GMT

STATION NO. 220
APALACHICOL , FLORIDA

9 MAY 1978
2000 GMT

160 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.3	7.0	1010.3	26.1	21.5	180.0	4.1	0.0	4.1	298.4	341.0	16.3	76.0	0.0	0.
0.3	7.2	57.3	1000.0	23.6	21.8	196.5	5.4	1.5	5.2	296.8	340.3	16.4	89.6	0.2	6.
1.1	9.4	318.6	975.0	21.9	20.6	211.1	4.8	2.5	4.1	297.2	338.7	15.9	92.0	0.3	15.
2.1	11.8	545.1	950.0	21.5	18.5	221.0	4.2	2.8	3.2	299.0	336.7	14.3	82.9	0.6	25.
3.1	13.9	776.5	925.0	20.4	15.8	231.8	4.3	3.3	2.6	300.2	333.1	12.3	74.9	0.8	31.
4.0	16.2	1013.1	900.0	18.8	13.5	249.2	4.8	4.5	1.7	300.9	330.2	10.9	71.4	1.0	38.
4.9	18.5	1255.1	875.0	17.6	11.0	248.7	5.1	4.8	1.9	302.1	327.9	9.5	64.9	1.3	45.
5.9	20.8	1502.5	850.0	15.7	9.7	269.4	4.6	4.6	0.1	302.6	327.2	9.0	67.5	1.6	50.
6.9	23.2	1755.7	825.0	13.5	11.5	286.9	4.4	4.2	-1.3	302.9	331.3	10.4	87.7	1.7	57.
7.7	25.6	2015.0	800.0	11.9	10.5	304.5	4.4	3.6	-2.5	303.8	331.2	10.0	91.1	1.8	62.
8.7	28.1	2280.6	775.0	10.7	6.0	302.5	5.5	4.6	-2.9	305.3	326.6	7.6	73.1	2.0	71.
9.8	30.5	2554.2	750.0	9.9	1.2	272.8	6.1	6.1	-0.3	307.3	323.4	5.8	54.6	2.2	76.
10.9	33.1	2835.3	725.0	8.8	-4.6	250.9	8.8	8.3	2.9	309.1	320.2	3.7	38.2	2.8	76.
12.1	35.7	3125.3	700.0	7.7	-15.0	262.3	11.0	10.9	1.5	311.0	316.5	1.8	18.9	3.5	76.
13.2	38.2	3423.9	675.0	6.3	-30.2	270.5	12.0	12.0	-0.1	312.7	314.2	0.5	5.2	4.2	78.
14.3	40.9	3731.6	650.0	3.8	-20.1	275.0	11.5	11.4	-1.0	313.3	317.1	1.2	15.5	5.0	80.
15.5	43.7	4048.4	625.0	0.8	-10.7	275.0	11.8	11.7	-1.0	313.4	321.8	2.7	42.4	5.7	82.
16.6	46.4	4374.5	600.0	-1.5	-21.4	278.9	14.2	14.1	-2.2	314.3	318.1	1.2	20.4	6.6	84.
17.9	49.3	4712.3	575.0	-3.8	-25.2	281.0	16.5	16.2	-3.1	315.6	318.4	0.9	17.1	7.8	87.
19.3	52.2	5061.4	550.0	-6.4	-23.1	283.9	18.9	18.3	-4.5	316.5	320.1	1.1	25.2	9.2	89.
20.6	55.1	5423.4	525.0	-9.2	-26.7	284.4	21.2	20.5	-5.3	317.4	320.2	0.8	23.2	10.8	92.
22.3	58.3	5799.2	500.0	-11.6	-31.6	282.2	21.4	20.9	-4.5	318.9	320.9	0.6	18.6	12.5	93.
23.5	61.4	6190.4	475.0	-14.2	-36.2	999.9	999.9	99.9	99.9	320.4	321.6	0.4	13.5	14.4	94.
25.2	64.7	6598.3	450.0	-17.0	99.9	999.9	999.9	99.9	99.9	321.8	999.9	99.9	999.9	999.9	999.
26.7	68.0	7024.2	425.0	-20.1	99.9	999.9	999.9	99.9	99.9	323.2	999.9	99.9	999.9	999.9	999.
28.4	71.6	7471.2	400.0	-23.0	99.9	999.9	999.9	99.9	99.9	325.1	999.9	99.9	999.9	999.9	999.
30.0	75.1	7941.2	375.0	-25.8	99.9	999.9	999.9	99.9	99.9	327.4	999.9	99.9	999.9	999.9	999.
31.9	78.9	8436.9	350.0	-29.9	-69.1	999.9	999.9	99.9	99.9	328.5	328.5	0.0	1.0	999.9	999.
33.8	82.8	8960.9	325.0	-34.0	-71.8	275.6	25.4	25.3	-2.5	329.8	329.8	0.0	1.0	28.5	99.
35.8	86.8	9516.0	300.0	-38.7	-69.4	274.4	25.5	25.4	-1.9	330.8	330.9	0.0	2.3	31.4	98.
38.1	91.2	10106.7	275.0	-43.6	99.9	281.7	30.5	29.8	-6.2	332.1	999.9	99.9	999.9	35.2	98.
40.5	95.8	10742.2	250.0	-47.8	99.9	289.6	36.7	34.5	-12.3	335.1	999.9	99.9	999.9	40.1	99.
43.1	100.6	11431.8	225.0	-52.1	99.9	290.1	37.8	35.5	-13.0	338.7	999.9	99.9	999.9	45.8	101.
45.8	105.8	12184.7	200.0	-57.7	99.9	287.4	36.8	35.1	-11.0	341.5	999.9	99.9	999.9	51.6	102.
48.7	111.5	13017.9	175.0	-62.2	99.9	279.6	45.5	44.9	-7.6	347.3	999.9	99.9	999.9	58.6	102.
51.5	117.5	13962.0	150.0	-65.6	99.9	279.4	52.2	51.5	-8.6	357.1	999.9	99.9	999.9	67.1	101.
55.5	124.5	15059.1	125.0	-66.8	99.9	280.6	44.5	43.8	-8.2	370.5	999.9	99.9	999.9	79.9	101.
59.8	132.0	16400.1	100.0	-66.5	99.9	274.9	27.3	27.2	-2.4	399.3	999.9	99.9	999.9	88.4	101.
66.1	141.0	18148.9	75.0	-63.9	99.9	287.2	13.3	12.7	-3.9	438.9	999.9	99.9	999.9	96.2	101.
73.5	150.3	20658.9	50.0	-60.4	99.9	241.6	8.9	7.8	4.2	501.3	999.9	99.9	999.9	101.3	101.
86.3	160.7	25123.1	25.0	-49.1	99.9	107.5	2.5	-2.4	0.8	644.0	999.9	99.9	999.9	100.2	100.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

2 MAY 1978
2015 GMT

156 17. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.4	1.0	1007.8	25.3	23.2	100.0	7.6	-7.5	1.3	297.8	344.8	18.1	88.0	0.0	0.
0.3	5.1	69.6	1000.0	24.2	22.8	999.9	99.9	99.9	99.9	297.4	343.4	17.7	91.6	999.9	999.
1.1	7.0	292.1	975.0	23.3	22.4	999.9	999.9	99.9	99.9	298.6	345.2	17.8	94.8	999.9	999.
2.0	9.3	515.8	950.0	22.4	21.3	999.9	999.9	99.9	99.9	299.9	344.9	17.1	93.7	1.0	300.
2.7	11.3	752.4	925.0	21.2	20.2	150.7	9.6	-4.7	8.4	301.0	344.3	16.4	94.2	1.4	307.
3.4	13.6	990.1	900.0	19.7	18.8	160.8	10.3	-3.4	9.7	301.8	342.8	15.4	94.4	1.8	313.
4.2	15.8	1233.3	875.0	18.0	17.0	163.3	10.0	-2.9	9.6	302.5	340.3	14.1	93.4	2.2	320.
5.1	18.2	1481.7	850.0	16.6	14.5	166.0	9.8	-2.4	9.6	303.5	336.9	12.3	87.7	2.7	326.
6.2	20.5	1736.3	825.0	14.9	12.9	169.6	9.3	-1.7	9.1	304.3	335.5	11.4	87.8	3.3	329.
7.5	22.9	1996.8	800.0	13.3	10.3	176.6	9.3	-0.6	9.3	305.3	332.7	9.9	82.3	4.0	333.
8.7	25.3	2264.9	775.0	13.0	8.1	187.7	8.2	1.1	8.2	307.8	332.5	8.8	72.0	4.6	337.
9.9	27.8	2540.4	750.0	11.3	9.0	204.8	7.0	2.9	6.4	308.8	336.1	9.7	86.2	5.0	341.
11.0	30.2	2823.6	725.0	9.4	7.8	223.0	8.3	5.7	6.1	309.8	335.9	9.2	89.5	5.3	345.
12.0	32.8	3114.9	700.0	7.6	4.8	234.0	10.7	8.7	6.3	311.0	333.1	7.7	82.0	5.5	351.
13.1	35.4	3413.9	675.0	5.8	-5.7	233.7	11.9	9.6	7.1	312.2	323.4	3.7	43.3	5.9	357.
14.5	38.0	3721.4	650.0	3.5	-15.7	228.8	13.6	10.3	9.0	312.9	318.4	1.7	22.9	6.5	5.
16.0	40.6	4039.4	625.0	2.8	-45.6	225.9	15.1	10.9	10.5	315.6	316.0	0.1	1.4	7.7	11.
17.5	43.4	4368.1	600.0	0.6	-20.2	236.4	14.2	11.9	7.9	316.8	320.9	1.3	19.3	8.7	17.
18.8	46.4	4707.7	575.0	-2.5	-18.7	241.1	14.8	13.0	7.2	317.1	322.0	1.5	27.4	9.6	22.
20.1	49.4	5058.5	550.0	-5.2	-27.9	243.1	15.1	13.5	6.8	317.9	320.3	0.7	15.0	10.5	26.
21.3	52.3	5421.7	525.0	-7.9	-54.9	247.2	13.0	12.0	5.0	318.9	319.1	0.0	1.0	11.3	29.
22.7	55.3	5799.2	500.0	-10.5	-54.8	250.3	12.1	11.4	4.1	320.2	320.4	0.0	1.3	12.0	32.
24.0	58.5	6191.1	475.0	-14.2	-52.9	249.7	12.5	11.7	4.3	320.5	320.7	0.1	2.1	12.9	35.
25.4	61.9	6598.1	450.0	-17.9	-54.1	249.9	12.2	11.5	4.2	320.7	320.9	0.1	2.5	13.7	37.
27.0	65.3	7023.6	425.0	-20.2	-59.0	249.2	14.8	13.9	5.3	323.1	323.2	0.0	1.7	14.8	40.
28.6	68.8	7469.7	400.0	-23.5	-64.9	250.3	17.8	16.8	6.0	324.4	324.5	0.0	1.0	16.2	43.
30.4	72.3	7938.4	375.0	-27.1	-67.2	252.4	21.1	20.1	6.4	325.8	325.8	0.0	1.0	18.1	46.
32.6	76.2	8431.6	350.0	-31.1	-69.9	254.5	21.7	20.9	5.8	326.8	326.8	0.0	1.0	20.6	49.
34.5	80.0	8953.2	325.0	-33.9	-68.4	257.5	22.8	22.3	5.0	330.0	330.0	0.0	1.6	22.9	52.
36.9	84.0	9510.6	300.0	-37.4	-72.2	272.7	26.7	26.7	-1.3	332.7	332.8	0.0	1.3	25.8	56.
38.9	88.3	10107.0	275.0	-41.2	99.9	282.6	35.5	34.6	-7.7	335.5	999.9	99.9	999.9	28.6	61.
41.1	93.0	10748.5	250.0	-45.1	99.9	283.2	43.2	42.1	-9.8	339.1	999.9	99.9	999.9	32.7	68.
43.7	98.0	11443.3	225.0	-50.9	99.9	276.9	48.0	47.7	-5.8	340.5	999.9	99.9	999.9	38.8	73.
46.2	103.2	12199.7	200.0	-57.6	99.9	273.6	50.9	50.8	-3.2	341.6	999.9	99.9	999.9	45.8	77.
48.9	109.0	13029.2	175.0	-63.7	99.9	269.0	48.3	48.3	0.9	344.7	999.9	99.9	999.9	53.8	79.
52.7	115.3	13966.1	150.0	-67.0	99.9	266.4	54.4	54.3	3.4	354.7	999.9	99.9	999.9	64.8	81.
56.6	122.3	15050.3	125.0	-71.7	99.9	268.5	48.8	48.8	1.3	365.1	999.9	99.9	999.9	76.4	81.
61.5	130.3	16380.1	100.0	-66.5	99.9	265.1	23.3	23.2	2.0	399.3	999.9	99.9	999.9	88.0	82.
67.5	138.3	18114.1	75.0	-65.6	99.9	277.6	13.4	13.3	-1.8	438.3	999.9	99.9	999.9	94.4	83.
75.9	147.6	20603.4	50.0	-61.1	99.9	238.6	4.3	3.7	2.2	499.4	999.9	99.9	999.9	96.5	83.
89.6	156.3	25057.1	25.0	-48.9	99.9	135.8	6.1	-4.3	4.4	644.5	999.9	99.9	999.9	96.9	83.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 238
JACKSON, MISSISSIPPI

2 MAY 1978
2000 GMT

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.6	100.0	999.5	21.6	13.8	50.0	5.1	-3.9	-3.3	294.8	321.1	10.8	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.8	314.4	975.0	18.8	10.9	91.7	5.9	-5.9	0.2	294.1	316.5	8.5	60.2	0.3	232.
1.3	11.2	536.8	950.0	16.4	10.2	60.6	6.4	-5.6	-3.2	293.8	315.7	8.2	66.6	0.5	244.
2.0	13.5	763.2	925.0	13.9	9.6	57.4	7.9	-6.6	-4.2	293.5	315.1	8.2	75.4	0.8	238.
2.8	15.9	994.6	900.0	14.4	14.0	88.1	7.3	-7.3	-0.2	296.4	326.1	11.3	97.5	1.2	242.
3.5	18.4	1233.7	875.0	14.5	14.2	116.8	5.2	-4.6	2.3	298.9	330.0	11.7	97.7	1.4	250.
4.4	20.8	1479.6	850.0	14.8	10.9	124.8	3.1	-2.6	1.8	301.7	328.0	9.7	77.2	1.5	257.
5.3	23.2	1732.5	825.0	14.1	8.2	145.2	2.8	-1.6	2.3	303.5	326.5	8.5	67.5	1.6	260.
6.3	25.8	1991.8	800.0	12.6	7.7	192.9	5.1	1.1	5.0	304.6	327.7	8.3	72.1	1.6	262.
7.2	28.3	2258.2	775.0	11.1	5.5	206.9	7.8	3.5	6.9	305.8	326.3	7.3	68.2	1.6	265.
8.2	30.9	2531.6	750.0	9.8	4.9	223.1	11.4	7.8	8.3	307.3	327.9	7.3	71.6	1.5	278.
9.2	33.6	2812.4	725.0	7.3	1.2	237.5	13.1	11.1	7.1	307.5	324.2	5.9	66.1	1.4	300.
10.2	36.2	3101.2	700.0	6.5	-6.3	242.1	14.3	12.7	6.7	309.7	320.0	3.4	39.4	1.3	334.
11.2	39.0	3398.3	675.0	3.7	-9.7	239.6	13.5	11.7	6.8	309.8	318.0	2.7	36.7	1.6	5.
12.3	41.8	3703.9	650.0	1.7	-12.6	236.4	12.4	10.3	6.8	310.9	317.7	2.2	33.5	2.2	25.
13.4	44.6	4018.8	625.0	-0.2	-20.6	236.6	14.2	11.9	7.8	312.3	316.1	1.2	19.6	2.9	34.
14.6	47.6	4344.3	600.0	-2.4	-21.3	240.2	16.5	14.3	8.2	313.6	317.3	1.2	21.5	3.7	39.
15.9	50.6	4680.6	575.0	-5.2	-13.4	245.8	18.4	16.8	7.5	314.0	321.3	2.4	52.6	4.8	43.
17.2	53.8	5028.3	550.0	-8.1	-15.9	249.9	19.7	18.5	6.8	314.5	320.9	2.1	53.7	6.1	48.
18.5	56.8	5388.3	525.0	-10.0	-35.8	254.7	19.5	18.8	5.1	316.4	317.6	0.3	10.1	7.5	51.
19.6	60.0	5762.0	500.0	-13.1	-27.8	259.6	19.9	19.6	3.6	317.0	319.6	0.8	27.9	8.9	55.
21.1	63.4	6150.8	475.0	-15.5	-44.0	259.7	22.1	21.7	3.9	318.8	319.4	0.2	7.1	10.5	58.
22.9	66.7	6556.6	450.0	-18.3	-44.5	258.8	24.7	24.2	4.8	320.3	320.9	0.2	7.9	12.1	62.
24.5	70.3	6980.9	425.0	-21.3	-61.9	262.9	24.4	24.3	3.0	321.7	321.8	0.0	1.3	14.2	64.
26.2	73.9	7425.6	400.0	-24.4	-55.8	263.9	25.7	25.6	2.7	323.3	323.3	0.0	3.6	16.6	67.
27.6	77.5	7892.4	375.0	-28.4	-45.7	267.8	25.6	25.6	1.1	324.0	324.6	0.2	17.1	18.9	69.
29.6	81.3	8384.4	350.0	-31.0	-53.8	266.9	26.7	29.6	1.6	327.0	327.3	0.1	8.4	21.6	71.
31.5	85.5	8904.7	325.0	-35.6	-55.3	265.5	31.2	31.1	2.5	327.6	327.9	0.1	11.1	24.1	73.
33.4	89.7	9456.2	300.0	-40.1	99.9	266.3	30.7	30.6	2.0	328.8	999.9	99.9	999.9	27.6	74.
35.4	94.0	10045.2	275.0	-46.2	99.9	269.3	32.6	32.6	0.4	331.3	999.9	99.9	999.9	31.2	76.
37.5	98.8	10676.4	250.0	-49.9	99.9	270.4	35.1	35.1	-0.3	331.9	999.9	99.9	999.9	34.8	77.
39.7	103.8	11357.3	225.0	-54.9	99.9	271.1	41.4	41.4	-0.8	334.4	999.9	99.9	999.9	38.8	78.
42.4	109.0	12100.2	200.0	-59.6	99.9	272.5	43.2	43.2	-1.9	338.3	999.9	99.9	999.9	43.7	80.
45.4	114.8	12925.1	175.0	-65.0	99.9	265.2	43.6	43.5	3.6	342.7	999.9	99.9	999.9	50.6	82.
48.3	121.0	13857.5	150.0	-68.9	99.9	266.3	50.2	50.1	3.2	351.4	999.9	99.9	999.9	57.5	83.
52.0	127.8	14956.9	125.0	-67.6	99.9	277.9	29.0	28.7	-4.0	372.6	999.9	99.9	999.9	66.7	82.
56.7	135.3	16311.7	100.0	-65.7	99.9	272.2	24.1	24.0	-0.9	400.7	999.9	99.9	999.9	75.8	84.
62.7	143.7	18080.4	75.0	-65.1	99.9	280.0	11.9	11.7	-2.1	436.4	999.9	99.9	999.9	82.7	85.
70.9	153.8	20569.0	50.0	-58.7	99.9	249.2	6.8	6.4	2.4	505.1	999.9	99.9	999.9	88.9	85.
83.9	162.7	25018.7	25.0	-51.6	99.9	168.6	4.6	-0.9	4.5	636.9	999.9	99.9	999.9	91.3	86.
														92.9	85.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

2 MAY 1976
2000 GMT

154 24. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.9	5.0	1004.7	19.3	13.5	60.0	8.2	-7.1	-4.1	292.1	317.4	9.7	69.0	0.0	0.
0.2	6.3	45.7	1000.0	20.1	14.6	61.6	10.3	-9.1	-4.9	293.2	320.8	10.6	70.8	0.1	311.
1.0	8.7	265.2	975.0	20.7	17.2	69.6	12.8	-12.0	-4.5	296.0	329.4	12.8	80.1	0.7	242.
1.9	11.1	490.1	950.0	19.8	18.3	94.3	11.6	-11.8	0.9	297.3	334.3	14.1	91.0	1.3	250.
2.9	13.5	720.6	925.0	19.1	17.7	119.6	12.8	-11.2	6.3	298.8	335.6	13.9	91.6	1.9	263.
3.9	16.0	956.7	900.0	18.4	16.8	136.9	14.1	-10.0	9.9	300.4	336.5	13.5	90.7	2.5	276.
4.8	18.5	1198.8	875.0	16.9	15.3	148.6	11.4	-6.9	9.7	301.3	335.1	12.6	90.1	3.1	287.
5.8	21.0	1446.5	850.0	16.7	14.7	158.4	11.1	-4.1	10.3	303.6	337.5	12.5	88.2	3.6	294.
6.9	23.6	1701.7	825.0	16.6	10.7	187.6	10.9	1.4	10.8	306.1	333.5	9.9	68.5	4.0	303.
7.8	26.1	1963.5	800.0	14.2	12.6	196.0	13.3	3.7	12.8	306.3	338.0	11.6	90.1	4.2	311.
8.9	28.8	2231.8	775.0	12.8	11.4	193.0	15.8	3.6	15.4	307.6	338.1	11.0	91.2	4.7	322.
9.7	31.4	2507.5	750.0	11.0	9.6	193.4	16.4	3.8	15.9	308.5	336.8	10.1	91.3	5.3	328.
10.5	34.1	2790.3	725.0	9.6	8.4	198.9	16.0	5.2	15.2	310.0	337.0	9.6	92.1	5.8	334.
11.5	36.9	3081.3	700.0	5.8	-4.0	202.0	15.5	5.8	14.4	308.9	321.4	4.3	50.7	6.4	340.
12.7	39.7	3380.2	675.0	7.4	-30.6	197.8	14.4	4.4	13.7	314.0	315.7	0.5	5.6	7.3	345.
14.0	42.6	3689.8	650.0	5.3	-12.2	201.3	14.7	5.3	13.7	315.8	322.2	2.3	26.9	8.2	349.
15.2	45.4	4008.5	625.0	2.7	-14.9	201.0	16.5	5.9	15.4	315.6	321.7	1.9	25.9	9.2	353.
16.5	48.4	4335.9	600.0	-5.1	-47.0	204.6	14.7	6.1	13.3	310.2	310.6	0.1	2.1	10.3	357.
17.8	51.4	4670.6	575.0	-2.2	-51.4	204.5	13.8	5.7	12.5	317.4	317.6	0.1	1.0	11.3	359.
19.1	54.5	5021.2	550.0	-5.4	-43.4	209.0	9.6	4.7	8.4	317.7	318.4	0.2	4.9	12.2	1.
20.7	57.7	5383.4	525.0	-9.3	-22.0	219.7	9.4	6.0	7.2	317.3	321.4	1.3	34.9	12.8	3.
22.2	60.9	5756.6	500.0	-12.2	-20.9	230.2	12.1	9.3	7.8	316.2	322.8	1.4	48.2	13.6	6.
23.9	64.3	6142.2	475.0	-15.7	-27.6	231.2	17.5	13.6	10.9	318.5	321.3	0.8	35.4	14.6	10.
25.3	67.7	6540.4	450.0	-18.3	-42.5	232.4	21.4	17.0	13.1	320.3	321.4	0.3	15.8	16.0	14.
27.2	71.2	6949.1	425.0	-20.5	-61.9	237.7	21.8	18.5	11.7	322.8	322.9	0.0	4.2	17.9	19.
28.9	74.9	7425.6	400.0	-23.1	-41.5	246.3	19.2	17.6	7.7	325.0	326.0	0.2	16.7	19.6	24.
30.9	78.6	7895.5	375.0	-25.8	-66.4	251.0	19.5	18.4	6.3	327.5	327.5	0.0	1.0	21.1	28.
33.0	82.5	8391.6	350.0	-29.7	-68.9	254.8	21.1	20.3	5.5	328.8	328.8	0.0	1.0	23.8	32.
35.1	86.5	8916.0	325.0	-33.7	-71.6	260.1	26.4	26.0	4.5	330.3	330.3	0.0	1.0	25.1	37.
37.4	90.7	9473.1	300.0	-37.7	-74.3	266.8	32.9	32.8	1.9	332.2	332.2	0.0	1.0	27.9	43.
39.8	95.2	10067.7	275.0	-41.9	99.9	270.1	36.8	36.8	-0.1	334.5	999.9	99.9	999.9	31.4	49.
41.9	99.7	10707.8	250.0	-46.2	99.9	268.2	43.2	43.1	1.3	337.4	999.9	99.9	999.9	35.9	55.
44.5	104.7	11400.3	225.0	-51.5	99.9	266.3	42.3	42.3	2.8	339.6	999.9	99.9	999.9	41.9	60.
47.2	110.0	12153.4	200.0	-57.6	99.9	262.3	40.5	40.1	5.4	341.5	999.9	99.9	999.9	47.8	63.
50.1	115.5	12967.4	175.0	-62.7	99.9	254.4	40.0	38.5	10.8	346.4	999.9	99.9	999.9	54.9	65.
53.4	121.5	13926.7	150.0	-66.6	99.9	256.8	44.3	43.1	10.6	355.4	999.9	99.9	999.9	63.0	66.
57.2	128.0	15020.0	125.0	-68.9	99.9	267.2	42.4	42.4	2.1	370.2	999.9	99.9	999.9	73.6	69.
61.5	135.0	16361.4	100.0	-69.8	99.9	259.4	21.2	20.9	3.9	393.0	999.9	99.9	999.9	80.5	76.
66.9	142.5	18112.6	75.0	-64.1	99.9	286.7	17.4	16.8	-5.0	438.7	999.9	99.9	999.9	87.1	7[illegible].
74.6	150.5	20614.6	50.0	-61.5	99.9	271.0	8.2	8.2	-0.1	498.8	999.9	99.9	999.9	87.9	72.
87.0	158.7	25068.9	25.0	-49.0	99.9	999.9	99.9	99.9	99.9	644.2	999.9	99.9	999.9	999.9	959.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

2 MAY 1978
2000 GMT

163 19. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.2	124.0	995.5	14.4	7.2	60.0	5.6	-4.8	-2.8	287.9	304.8	6.4	62.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	8.8	299.5	975.0	12.6	6.9	79.6	9.3	-9.2	-1.7	287.9	304.7	6.4	68.2	0.3	251.
1.3	10.8	517.1	950.0	10.6	6.2	81.8	10.3	-10.2	-1.5	287.9	304.4	6.3	74.2	0.7	256.
2.0	12.8	739.0	925.0	8.8	6.9	97.0	12.6	-12.5	1.5	288.4	306.0	6.8	87.3	1.2	260.
2.8	14.9	967.7	900.0	14.7	14.5	124.7	14.5	-11.9	8.3	296.7	327.6	11.7	98.8	1.7	270.
3.6	17.0	1207.2	875.0	15.0	14.8	144.7	14.2	-8.2	11.6	299.4	331.9	12.2	98.2	2.3	283.
4.5	19.2	1453.4	850.0	14.1	13.8	150.2	14.1	-7.0	12.3	300.9	332.5	11.8	97.9	2.9	294.
5.2	21.5	1705.8	825.0	13.0	12.7	148.5	13.4	-7.0	11.4	302.4	333.0	11.7	97.9	3.4	301.
6.0	23.8	1964.8	800.0	11.9	11.5	148.4	12.4	-6.5	10.5	303.8	333.2	10.8	98.0	3.9	305.
6.6	26.1	2230.8	775.0	10.6	10.3	154.8	11.8	-5.0	10.6	305.2	333.5	10.3	98.3	4.4	307.
7.4	28.5	2504.0	750.0	8.1	7.4	159.3	9.5	-3.4	8.9	305.3	329.5	8.7	95.4	4.7	310.
8.1	30.9	2783.0	725.0	6.4	2.6	160.6	9.3	-3.1	8.8	306.5	324.6	6.4	77.1	5.1	312.
8.8	33.4	3071.1	700.0	5.4	0.8	170.2	8.1	-1.4	8.0	308.4	325.3	5.9	73.3	5.4	314.
9.9	36.0	3367.2	675.0	3.2	2.8	185.8	7.2	0.7	7.2	309.2	329.2	7.0	97.7	5.8	318.
12.9	38.6	3673.0	650.0	2.0	-26.0	196.2	9.2	2.6	8.8	311.2	313.7	1.8	11.1	6.7	327.
14.5	41.2	3988.6	625.0	-0.1	-33.8	200.3	12.7	4.4	11.9	312.3	313.5	0.4	5.9	7.3	333.
15.6	43.9	4311.7	600.0	-2.7	-51.6	201.0	13.3	4.7	12.4	313.0	313.2	0.1	1.0	8.0	338.
17.0	46.8	4647.5	575.0	-4.6	-52.9	214.6	11.1	6.3	9.2	314.6	314.8	0.0	1.0	8.7	343.
18.4	49.6	4995.7	550.0	-7.1	-43.7	224.2	11.4	8.0	8.2	315.7	316.4	0.2	4.7	9.2	349.
19.6	52.6	5356.6	525.0	-9.7	-28.0	228.7	13.8	10.4	9.1	316.8	319.2	0.7	20.9	9.7	353.
20.9	55.8	5730.9	500.0	-13.3	-22.4	231.6	17.1	13.4	10.6	316.9	321.0	1.3	46.1	10.4	358.
22.2	59.0	6118.9	475.0	-16.6	-23.0	231.2	20.4	15.9	12.8	317.4	321.5	1.3	57.4	11.3	4.
23.6	62.4	6522.3	450.0	-20.6	-25.2	228.5	21.3	16.0	14.1	317.4	321.0	1.1	66.1	12.6	10.
24.9	65.9	6943.7	425.0	-21.8	-63.8	224.6	23.7	16.6	16.9	321.1	321.2	0.0	1.0	14.1	14.
26.4	69.6	7387.8	400.0	-24.6	-65.7	229.2	26.8	20.3	17.5	323.0	323.0	0.0	1.0	16.1	18.
27.9	73.3	7854.7	375.0	-27.9	-67.8	237.4	27.3	23.0	14.7	324.7	324.7	0.0	1.0	18.1	23.
29.5	77.3	8346.6	350.0	-31.5	-70.2	247.5	29.7	27.4	11.4	326.2	326.3	0.0	1.0	20.3	28.
31.2	81.5	8867.8	325.0	-34.5	-72.1	257.7	31.4	30.7	6.7	329.1	329.2	0.0	1.0	22.6	33.
33.0	86.0	9421.8	300.0	-39.2	-75.3	264.5	32.6	32.5	3.1	330.2	330.2	0.0	1.0	25.0	39.
34.9	90.6	10012.2	275.0	-44.3	99.9	266.0	35.5	35.4	2.5	331.1	999.9	99.9	999.9	27.7	45.
37.0	95.6	10642.9	250.0	-49.8	99.9	260.3	40.9	40.4	6.9	332.9	999.9	99.9	999.9	31.6	50.
39.2	101.0	11323.8	225.0	-54.9	99.9	256.6	46.0	44.7	10.7	334.4	999.9	99.9	999.9	36.8	55.
41.7	107.0	12067.9	200.0	-60.1	99.9	261.1	46.1	45.5	7.1	337.6	999.9	99.9	999.9	43.3	58.
44.7	113.3	12891.4	175.0	-65.2	99.9	253.3	41.5	39.8	11.9	342.3	999.9	99.9	999.9	50.5	62.
47.5	120.0	13823.5	150.0	-68.4	99.9	250.1	45.1	42.5	15.4	352.2	999.9	99.9	999.9	57.9	62.
51.0	127.7	14930.8	125.0	-64.8	99.9	268.7	32.1	32.1	0.7	377.7	999.9	99.9	999.9	64.6	65.
55.6	136.3	16294.7	100.0	-65.0	99.9	263.5	17.1	17.0	1.9	402.2	999.9	99.9	999.9	71.8	66.
61.1	145.5	18065.0	75.0	-63.5	99.9	281.8	9.8	9.6	-2.0	430.9	999.9	99.9	999.9	78.3	67.
68.4	156.0	20565.5	50.0	-62.1	99.9	244.1	5.5	5.0	2.4	497.1	999.9	99.9	999.9	76.3	68.
81.0	166.5	25012.2	25.0	-49.4	99.9	121.0	4.3	-3.7	2.2	642.9	999.9	99.9	999.9	78.1	68.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
# BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

2 MAY 1978
2100 GMT

160 14. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.7	33.0	996.4	26.0	20.6	120.0	6.1	-5.3	3.0	299.5	340.3	15.5	72.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.5	225.0	975.0	24.8	20.7	121.8	6.7	-5.7	3.5	300.1	342.3	16.0	77.9	0.2	309.
1.2	10.8	452.7	950.0	22.0	19.6	117.0	8.0	-7.1	3.6	299.5	340.1	15.4	86.4	0.6	304.
1.8	13.1	684.3	925.0	19.6	18.4	114.2	8.0	-7.3	3.3	299.3	337.8	14.6	93.0	1.0	300.
2.6	15.4	920.5	900.0	17.8	16.6	126.0	7.3	-5.9	4.3	299.9	335.4	13.4	92.6	1.3	299.
3.7	17.7	1162.3	875.0	17.1	15.9	145.6	8.0	-4.5	6.6	301.6	336.6	13.2	92.8	1.7	302.
4.5	20.1	1410.0	850.0	15.8	14.6	164.3	8.5	-2.3	8.1	302.7	336.1	12.4	92.6	2.0	306.
5.4	22.5	1664.5	825.0	15.3	14.2	176.5	8.5	-0.5	8.5	304.7	338.7	12.5	93.2	2.4	316.
6.4	24.9	1926.2	800.0	14.8	13.8	177.9	9.5	-0.3	9.4	307.0	341.3	12.5	93.3	2.7	323.
7.1	27.4	2195.4	775.0	13.5	12.5	173.1	10.9	-1.3	10.9	308.4	341.3	11.9	93.3	3.1	328.
8.0	29.9	2470.3	750.0	14.4	-27.1	182.2	12.0	0.5	11.9	311.2	313.0	0.5	4.3	3.7	332.
8.9	32.5	2755.1	725.0	12.7	-6.0	190.4	13.0	2.4	12.8	313.4	323.6	3.4	26.6	4.3	337.
10.0	35.1	3046.4	700.0	10.6	-13.3	190.6	14.7	2.7	14.5	314.2	321.1	2.2	19.5	5.1	343.
11.1	37.7	3350.2	675.0	9.2	-44.3	191.5	15.4	3.1	15.1	315.9	316.3	0.1	1.0	6.0	348.
12.3	40.4	3660.8	650.0	6.4	-46.0	200.4	15.6	5.4	14.6	316.2	316.5	0.1	1.0	6.9	352.
13.4	43.2	3980.4	625.0	3.9	-47.5	201.1	18.2	6.6	17.0	317.0	317.3	0.1	1.0	7.9	356.
14.6	46.0	4309.9	600.0	1.4	-49.1	201.1	18.6	6.7	17.4	317.7	318.0	0.1	1.0	9.2	359.
15.8	48.9	4650.5	575.0	-1.5	-50.9	204.9	18.4	7.8	16.7	318.3	318.5	0.1	1.0	10.4	2.
17.0	51.9	5002.4	550.0	-4.5	-52.8	210.0	17.8	8.9	15.4	318.7	318.9	0.0	1.0	11.7	5.
18.3	54.9	5366.8	525.0	-6.5	-54.0	216.9	16.3	11.0	14.6	320.7	320.9	0.0	1.0	12.9	8.
19.7	58.0	5745.9	500.0	-9.2	-55.8	229.6	21.1	16.0	13.6	321.8	321.9	0.0	1.0	14.2	12.
21.0	61.3	6140.6	475.0	-12.1	-57.6	230.5	22.7	17.5	14.4	323.0	323.2	0.0	1.0	15.6	16.
22.4	64.5	6551.6	450.0	-15.4	-59.7	227.3	21.9	16.1	14.9	323.9	324.0	0.0	1.0	17.3	19.
23.9	67.9	6980.4	425.0	-18.8	-61.9	228.2	22.1	16.5	14.7	324.9	324.9	0.0	1.0	19.0	22.
25.4	71.3	7428.9	400.0	-22.3	-64.2	235.0	24.6	20.2	14.1	326.0	326.0	0.0	1.0	20.7	25.
26.9	75.0	7900.2	375.0	-25.3	-66.1	238.4	28.8	24.6	15.1	328.1	328.1	0.0	1.0	22.8	28.
28.6	78.8	8397.5	350.0	-29.0	-68.5	242.7	32.0	28.4	14.7	329.7	329.8	0.0	1.0	25.5	32.
30.3	82.7	8923.5	325.0	-33.0	-71.2	246.7	35.6	32.7	14.0	331.2	331.2	0.0	1.0	28.5	36.
32.2	86.8	9482.3	300.0	-38.4	-73.4	249.2	42.8	40.0	15.2	334.1	334.1	0.0	1.0	32.2	40.
34.4	91.2	10081.0	275.0	-39.5	99.9	246.4	52.1	47.7	20.8	338.0	999.9	99.9	999.9	37.2	44.
36.3	95.7	10726.7	250.0	-44.5	99.9	246.6	52.3	48.0	20.7	339.9	999.9	99.9	999.9	43.5	47.
38.4	100.4	11422.5	225.0	-50.5	99.9	252.7	48.7	46.5	14.5	341.2	999.9	99.9	999.9	49.5	50.
40.7	105.8	12179.8	200.0	-56.6	99.9	255.4	41.8	40.5	10.5	343.1	999.9	99.9	999.9	55.6	53.
43.3	111.4	13015.6	175.0	-62.3	99.9	251.9	49.2	46.8	15.3	347.1	999.9	99.9	999.9	61.8	55.
46.2	117.5	13953.5	150.0	-68.5	99.9	252.3	53.1	50.6	16.1	352.2	999.9	99.9	999.9	70.6	57.
49.6	124.5	15037.9	125.0	-70.5	99.9	252.8	50.5*	48.2	14.9	367.3	999.9	99.9	999.9	81.5	59.
53.8	132.3	16375.0	100.0	-67.4	99.9	259.6	27.3*	26.9	4.9	397.6	999.9	99.9	999.9	90.6	61.
58.5	141.0	18110.7	75.0	-66.4	99.9	269.3	13.7*	13.7	0.2	433.7	999.9	99.9	999.9	95.3	62.
65.1	150.7	20615.3	50.0	-59.7	99.9	306.7	8.0	6.4	-4.8	502.8	999.9	99.9	999.9	97.3	62.
75.3	160.5	25035.0	25.0	-51.3	99.9	161.4	3.1	-1.0	2.9	637.3	999.9	99.9	999.9	99.0	62.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

2 MAY 1978
2000 GMT

163 32. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.6	359.8	959.7	12.7	9.2	60.8	8.2	-7.1	-4.1	289.2	309.1	7.6	79.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
0.2	11.5	454.3	950.0	11.6	7.2	70.7	9.9	-9.4	-3.3	289.0	306.7	6.7	74.5	0.3	241.
1.0	13.0	736.7	925.0	9.4	6.3	71.9	9.8	-9.3	-3.0	288.9	306.3	7.4	92.5	0.6	246.
1.9	16.3	930.0	900.0	8.4	7.7	94.7	12.3	-12.3	1.0	290.2	309.5	7.4	95.5	1.1	251.
2.8	18.8	1173.0	875.0	15.2	14.7	127.9	14.3	-11.3	8.8	299.6	332.8	12.1	96.4	1.8	269.
3.8	21.4	1416.8	850.0	15.0	14.4	140.3	14.3	-9.1	11.0	301.8	334.8	12.3	96.4	2.4	285.
4.6	23.8	1659.9	825.0	13.6	13.0	150.4	14.1	-7.0	12.3	303.0	334.3	11.6	96.6	3.0	293.
5.7	26.4	1902.7	800.0	12.4	11.9	162.0	14.3	-4.4	13.6	304.4	334.7	11.1	96.8	3.7	303.
6.5	28.8	2145.1	775.0	11.3	10.5	169.4	14.8	-2.7	14.5	305.4	334.2	10.4	96.7	4.2	309.
7.3	31.7	2387.0	750.0	9.4	8.9	173.4	15.4	-1.8	15.3	306.7	333.4	9.6	96.9	4.8	315.
8.2	34.3	2628.4	725.0	8.1	7.7	179.1	17.6	-0.3	17.6	308.4	334.0	9.1	97.0	5.3	320.
8.9	37.1	2869.8	700.0	5.8	4.4	189.7	21.2	3.6	20.9	308.9	330.4	7.6	90.8	6.2	327.
10.0	39.5	3110.2	675.0	4.5	-3.7	192.6	21.5	4.7	21.0	310.7	323.4	4.3	55.4	7.2	335.
11.0	42.7	3348.4	650.0	4.6	-8.8	193.5	19.7	4.6	19.1	314.2	323.9	3.2	39.6	8.4	341.
12.4	45.6	3584.8	625.0	2.1	-1.4	193.8	20.0	4.8	19.4	314.9	331.4	5.6	77.6	9.6	346.
13.7	48.6	4293.4	600.0	-0.7	-2.4	194.9	21.3	5.5	20.6	315.3	331.3	5.4	88.3	11.0	350.
14.9	51.6	4532.0	575.0	-3.3	-5.5	192.1	23.0	4.8	22.5	316.1	329.4	4.4	84.7	12.5	353.
16.1	54.6	4552.6	550.0	-6.2	-11.3	191.4	22.3	4.4	21.8	316.7	325.9	3.8	67.7	14.1	355.
17.4	57.8	5340.4	525.0	-7.4	-26.0	196.2	23.6	6.6	22.7	319.9	322.5	0.9	29.8	15.8	357.
18.7	61.0	5720.5	500.0	-11.6	-29.9	199.4	24.4	8.1	23.9	318.9	324.0	1.6	49.6	17.6	359.
20.0	64.3	6112.6	475.0	-12.5	-29.1	199.6	27.8	9.1	26.3	319.5	324.7	1.6	64.7	19.7	1.
21.7	67.7	6519.2	450.0	-16.2	-29.6	205.1	27.5	11.7	24.9	320.4	325.7	1.6	81.7	22.2	4.
23.3	71.3	6939.7	425.0	-19.9	-62.6	206.7	27.6	12.4	24.7	323.5	323.5	0.0	1.0	24.2	6.
25.0	74.9	7374.3	400.0	-23.0	-42.8	212.5	29.1	15.6	24.5	324.6	325.4	0.2	15.4	26.7	8.
26.6	78.6	7821.5	375.0	-26.6	-64.4	221.3	29.6	19.6	22.3	326.3	326.4	0.0	1.5	29.2	11.
27.7	82.3	8279.8	350.0	-29.1	-68.6	227.6	33.9	24.4	22.3	329.5	329.5	0.0	1.8	31.6	13.
29.7	86.3	8751.1	325.0	-33.7	-71.6	237.7	32.8	27.7	17.5	330.3	330.3	0.0	1.6	34.8	17.
31.5	90.4	9238.0	300.0	-37.8	-74.3	241.4	37.8	33.2	18.1	332.1	332.1	0.0	1.0	37.9	22.
34.1	95.0	10233.5	275.0	-42.6	99.9	239.5	45.7	39.4	23.1	336.4	999.9	99.9	999.9	42.4	27.
36.1	99.6	10673.3	250.0	-46.5	99.9	238.1	51.1	43.4	27.0	338.5	999.9	99.9	999.9	47.3	30.
38.2	104.6	11345.5	225.0	-52.5	99.9	244.2	47.4	42.6	20.7	338.1	999.9	99.9	999.9	53.8	34.
40.6	109.8	12119.2	200.0	-58.1	99.9	243.9	41.9	38.3	17.1	340.7	999.9	99.9	999.9	59.3	38.
43.5	115.4	12948.9	175.0	-63.4	99.9	234.0	39.8	31.5	22.9	345.4	999.9	99.9	999.9	66.3	40.
47.0	121.5	13853.7	150.0	-64.1	99.9	235.6	48.8*	33.7	23.1	359.6	999.9	99.9	999.9	73.7	41.
51.0	128.3	14814.3	125.0	-63.9	99.9	245.7	32.2*	29.5	13.3	379.4	999.9	99.9	999.9	82.8	44.
55.6	135.7	16352.6	100.0	-63.1	99.9	241.8	14.9**	13.8	7.2	405.5	999.9	99.9	999.9	86.9	45.
61.1	143.7	18167.5	75.0	-61.5	99.9	265.6	7.7	7.7	0.6	444.8	999.9	99.9	999.9	90.5	46.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

2 MAY 1978
2000 GMT

156 1. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RA.. KM	AZ DG
0.0	5.1	314.0	962.1	31.6	16.3	100.0	6.6	-6.5	1.1	308.1	342.1	12.3	40.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.2	426.9	950.0	26.9	17.3	124.8	4.5	-3.7	2.6	304.4	340.3	13.2	55.9	0.2	322.
1.3	12.3	662.3	925.0	24.8	16.6	140.0	5.1	-3.3	3.9	304.7	339.9	13.0	60.1	0.4	322.
2.2	14.5	902.2	900.0	22.7	14.1	136.5	7.4	-5.1	5.4	304.9	335.8	11.3	58.3	0.7	319.
3.1	16.7	1147.4	875.0	21.0	12.7	113.3	5.7	-5.2	2.3	305.6	334.8	10.6	58.8	1.0	316.
4.0	19.0	1397.4	850.0	18.5	11.1	109.3	6.0	-5.6	2.0	305.6	332.8	9.8	61.9	1.3	310.
4.9	21.2	1652.9	825.0	16.3	10.5	108.3	3.6	-3.5	1.1	305.8	332.8	9.7	68.7	1.6	308.
5.7	23.5	1914.3	800.0	14.7	4.6	209.5	2.1	1.8	1.8	306.9	326.7	7.0	53.6	1.7	306.
6.5	25.9	2182.7	775.0	14.4	-0.5	275.0	3.5	3.5	-0.3	309.3	323.2	4.8	36.0	1.5	309.
7.7	28.3	2456.5	750.0	11.9	-1.2	221.1	3.7	2.4	2.8	309.5	323.2	4.7	40.1	1.4	315.
8.7	30.7	2741.0	725.0	9.6	-1.6	210.3	8.3	4.2	7.1	310.0	323.8	4.7	45.5	1.6	321.
9.4	33.2	3031.0	700.0	6.6	99.9	272.8	14.0	14.0	-0.7	310.1	999.9	99.9	999.9	1.5	345.
10.1	35.8	3327.9	675.0	4.4	99.9	278.8	11.4	11.3	-1.8	310.6	999.9	99.9	999.9	1.3	15.
11.5	38.3	3634.2	650.0	2.1	-4.8	257.2	12.2	11.9	2.7	311.4	323.6	4.1	60.2	1.6	37.
12.5	41.0	3949.4	625.0	-0.4	-8.8	248.8	15.1	14.1	5.5	312.0	321.6	3.1	52.8	2.5	51.
13.5	43.7	4273.3	600.0	-1.8	-16.9	233.0	16.0	12.8	9.6	314.1	319.4	1.7	30.5	3.8	55.
15.1	46.4	4612.3	575.0	-4.5	-20.1	210.8	15.7	8.1	13.5	314.7	319.1	1.3	28.2	4.7	51.
16.3	49.3	4965.9	550.0	-6.5	-25.6	202.7	18.3	7.1	16.8	316.3	319.2	0.9	20.3	5.8	46.
17.9	52.2	5332.8	525.0	-9.6	-28.1	208.0	22.8	10.7	20.1	318.1	321.0	0.9	22.6	7.6	41.
19..	55.3	5696.0	500.0	-11.3	-34.9	210.1	23.7	11.9	20.5	319.2	320.6	0.4	12.1	9.6	38.
20.3	58.3	6090.1	475.0	-14.5	-40.5	218.9	22.7	14.3	17.7	320.0	320.9	0.2	8.8	11.0	38.
21.6	61.5	6497.2	450.0	-17.8	-43.8	235.4	23.8	19.6	13.5	320.9	321.6	0.2	8.1	12.7	39.
22.5	64.7	6922.0	425.0	-20.7	-47.1	238.3	29.5	25.1	15.5	322.4	323.8	0.4	21.8	14.5	42.
24.4	68.1	7368.1	400.0	-22.8	-53.0	231.0	37.3	29.0	23.5	325.4	325.9	0.1	4.3	17.5	44.
25.6	71.6	7839.7	375.0	-25.4	-54.5	232.8	41.7	33.2	25.2	328.0	328.2	0.1	4.6	21.1	45.
27.1	75.3	8336.2	350.0	-29.5	-56.7	236.0	46.0	38.1	25.7	329.0	329.2	0.0	5.1	24.8	47.
28.9	79.1	8860.7	325.0	-33.6	-57.7	236.2	52.9	43.9	29.4	330.4	330.6	0.0	6.7	29.4	48.
30.6	83.2	9414.0	300.0	-37.0	-60.0	232.3	53.7	42.5	32.8	333.2	333.3	0.0	7.0	34.9	49.
32.2	87.3	10015.1	275.0	-41.0	99.9	230.4	57.7	44.5	36.8	335.9	999.9	99.9	999.9	40.7	49.
34.1	91.8	10655.4	250.0	-46.0	99.9	232.6	61.9	49.2	37.6	337.7	999.9	99.9	999.9	47.7	50.
36.2	96.6	11350.4	225.0	-50.2	99.9	238.6	58.7	50.1	30.6	341.6	999.9	99.9	999.9	54.9	50.
38.4	101.6	12109.9	200.0	-55.4	99.9	246.5	54.9	50.3	21.9	345.0	999.9	99.9	999.9	62.0	52.
40.5	107.3	12948.5	175.0	-61.8	99.9	245.9	52.3*	47.7	21.4	347.9	999.9	99.9	999.9	68.2	53.
43.5	113.3	13858.8	150.0	-64.1	99.9	238.1	53.0*	45.1	28.0	359.7	999.9	99.9	999.9	77.5	54.
46.7	120.0	15023.0	125.0	-57.9	99.9	247.8	48.7*	45.1	18.4	390.2	999.9	99.9	999.9	88.2	55.
50.1	127.7	16415.0	100.0	-64.7	99.9	246.7	24.3*	22.3	9.6	402.8	999.9	99.9	999.9	95.2	56.
54.6	136.5	18156.8	75.0	-64.0	99.9	247.3	18.1*	16.7	7.0	438.7	999.9	99.9	999.9	100.4	57.
60.8	146.0	20653.5	50.0	-62.0	99.9	201.1	11.6	4.2	10.9	497.4	999.9	99.9	999.9	105.5	57.
69.8	155.7	25053.8	25.0	-56.6	99.9	177.5	17.9	-0.8	17.8	628.0	999.9	99.9	999.9	118.0	58.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 264
MIDLAND, TEXAS

2 MAY 1978
2100 GMT

157 13. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.8	871.6	926.6	13.4	7.7	360.0	8.2	0.0	-8.2	291.4	316.9	7.3	82.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	15.6	952.4	900.0	9.7	7.2	999.9	99.9	99.9	99.9	291.5	310.3	7.1	84.5	999.9	999.
1.1	16.1	1185.5	875.0	8.7	5.9	999.9	999.9	99.9	99.9	290.8	308.5	6.7	84.6	999.9	999.
2.1	16.5	1423.4	850.0	8.1	4.5	999.9	999.9	99.9	99.9	291.4	308.1	6.2	96.2	1.2	183.
3.0	22.9	1667.4	825.0	8.7	4.2	4.6	7.3	-0.6	-7.3	293.4	310.5	6.3	96.3	1.6	184.
3.8	23.4	1919.1	800.0	9.1	4.5	336.3	4.7	1.9	-4.3	296.5	314.6	6.6	96.4	1.9	183.
4.6	27.6	2178.5	775.0	9.4	3.9	314.7	6.9	4.9	-4.9	298.4	316.5	6.6	96.3	2.1	178.
5.4	28.5	2446.4	750.0	9.7	3.5	302.9	9.9	8.3	-5.4	301.7	316.6	6.3	76.3	2.4	178.
6.4	29.1	2722.3	725.0	8.6	-1.6	289.6	12.5	11.8	-4.2	302.8	316.2	4.7	71.6	2.8	178.
7.3	25.8	3009.8	700.0	8.1	-4.6	286.4	14.3	14.3	0.1	303.7	314.9	3.9	65.4	3.3	179.
8.3	24.5	3307.9	675.0	-9.8	-9.4	241.6	15.8	13.2	7.1	295.6	313.9	2.8	49.4	3.7	134.
9.3	41.2	3596.3	650.0	-1.6	-11.9	223.6	16.9	11.6	12.2	297.1	313.2	2.6	38.5	3.9	119.
10.3	44.1	3911.2	625.0	-6.2	-13.8	214.4	17.8	11.3	14.5	297.7	314.1	2.1	46.7	4.2	104.
11.4	47.6	4231.0	600.0	-8.2	-17.5	208.8	18.5	11.4	20.6	300.0	314.0	1.6	40.1	4.8	89.
12.5	49.8	4557.2	575.0	-7.9	-52.4	207.8	18.5	11.0	20.8	310.8	311.9	0.1	1.6	5.9	73.
13.9	52.8	4889.8	550.0	-9.3	-55.8	206.5	18.5	10.7	19.8	313.1	313.2	0.0	1.0	7.0	65.
15.0	53.9	5228.2	525.0	-12.2	-57.7	206.5	18.3	10.7	19.4	313.7	313.8	0.0	1.3	8.4	58.
16.4	55.0	5573.6	500.0	-15.1	-59.5	206.2	18.7	10.8	20.3	314.6	314.7	0.0	1.8	9.9	53.
17.8	56.3	5925.5	475.0	-18.1	-61.4	205.8	18.6	7.7	21.3	315.5	315.6	0.0	1.0	11.7	48.
19.2	57.6	6284.4	450.0	-21.3	-63.5	197.2	18.9	6.8	21.9	316.5	316.5	0.0	1.8	13.3	44.
20.1	59.1	6650.6	425.0	-25.1	-66.1	198.9	18.5	7.3	21.3	316.6	316.6	0.0	1.8	15.3	41.
22.0	7x.7	7x77.1	400.0	-29.4	-68.8	202.5	23.0	8.8	21.2	316.8	316.9	0.0	1.8	16.9	39.
23.4	72.4	7756.6	375.0	-34.7	-72.9	201.5	23.9	8.8	22.2	318.3	318.4	0.0	1.8	19.5	37.
25.3	65.3	8217.7	350.0	-35.5	-73.1	200.6	25.4	8.9	23.8	320.3	320.3	0.0	1.0	21.3	35.
26.5	54.3	8707.5	325.0	-40.6	99.9	204.9	27.7	11.7	25.1	320.7	999.9	99.9	999.9	23.9	34.
28.5	78.5	9205.3	300.0	-44.4	99.9	211.3	30.7	15.9	26.3	322.8	999.9	99.9	999.9	26.7	33.
30.1	81.5	9692.9	275.0	-44.6	99.9	218.3	34.1	22.4	26.3	331.8	999.9	99.9	999.9	30.8	32.
32.5	97.7	10667.8	250.0	-46.4	99.9	222.7	34.9	23.8	25.6	337.1	999.9	99.9	999.9	35.1	34.
34.4	102.6	11152.1	225.0	-49.5	99.9	214.7	33.2	18.5	27.3	342.7	999.9	99.9	999.9	38.9	35.
36.5	105.9	11648.4	200.0	-52.8	99.9	206.6	34.8	17.8	35.6	349.1	999.9	99.9	999.9	43.1	36.
38.5	113.8	12155.8	175.0	-55.5	99.9	216.8	33.8	20.2	27.9	358.4	999.9	99.9	999.9	49.4	36.
41.1	120.3	12677.1	150.0	-57.9	99.9	226.7	28.8	20.4	19.2	370.4	999.9	99.9	999.9	53.9	36.
43.9	127.3	13212.6	125.0	-58.4	99.9	224.8	27.8	19.8	19.1	380.2	999.9	99.9	999.9	59.1	36.
45.5	131.8	13727.7	100.0	-58.8	99.9	234.4	29.8	16.2	11.6	415.7	999.9	99.9	999.9	64.8	37.
53.7	144.8	16119.3	75.0	-61.4	99.9	171.4	6.2	-0.9	6.1	444.1	999.9	99.9	999.9	66.9	38.
66.7	154.3	20644.4	50.0	-61.5	99.9	289.9	5.1	4.8	-1.7	498.7	999.9	99.9	999.9	67.0	39.
71.1	165.6	25082.7	25.0	-68.7	99.9	999.9	999.9	99.9	99.9	644.8	999.9	99.9	999.9	67.8	48.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

2 MAY 1978
2000 GMT

160 14. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.5	0.5	180.0	994.7	16.8	9.4	31.0	3.1	-1.6	-2.7	290.4	305.5	5.7	47.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	0.7	185.5	975.0	13.9	0.6	999.9	999.9	99.9	99.9	289.2	300.3	4.1	40.1	999.9	999.
1.0	11.1	567.6	955.0	11.5	-5.0	999.9	999.9	99.9	99.9	288.8	299.7	4.0	45.1	0.5	221.
3.0	13.0	739.7	925.0	9.4	-0.5	999.9	999.9	99.9	99.9	289.0	299.8	4.0	49.7	0.8	221.
4.5	15.0	1016.1	900.0	7.1	-1.7	999.9	999.9	99.9	99.9	288.8	299.0	3.8	53.6	999.9	999.
5.7	16.2	1247.8	875.0	5.0	-3.0	999.9	999.9	99.9	99.9	288.9	298.5	3.5	56.5	999.9	999.
6.7	17.8	1452.8	850.0	3.8	-3.5	999.9	999.9	99.9	99.9	289.3	298.8	3.5	62.4	999.9	999.
7.5	23.1	1723.8	825.0	1.4	-10.2	50.1	4.9	-3.8	-3.2	290.1	296.1	2.1	41.6	2.0	211.
8.4	25.8	1972.4	800.0	2.4	-14.3	48.4	3.5	-2.6	-2.3	293.7	298.3	1.6	27.9	2.3	213.
9.4	25.2	2218.5	775.0	1.8	-16.6	48.1	1.9	-1.2	-1.5	295.4	299.4	1.3	24.6	2.4	214.
10.3	25.8	2452.1	750.0	1.2	-19.7	324.1	3.8	1.8	-2.5	297.9	301.1	1.1	19.1	2.4	213.
11.2	26.4	2704.8	725.0	1.3	-24.9	304.5	5.5	4.5	-3.2	301.0	303.1	0.7	12.0	2.5	207.
12.2	26.1	2956.9	700.0	1.2	-24.4	292.8	7.6	7.0	-3.0	303.8	305.8	0.6	10.6	2.5	198.
13.4	26.8	3238.6	675.0	0.1	-22.2	295.3	11.8	10.7	-5.1	305.8	307.5	0.5	8.8	2.6	184.
14.6	27.4	3540.4	650.0	-1.0	-20.8	293.9	17.0	15.5	-6.9	307.9	309.7	0.5	9.9	3.1	168.
15.8	28.3	3851.5	625.0	-3.1	-21.5	292.8	18.7	17.3	-7.0	308.9	310.3	0.4	9.8	4.0	152.
16.8	27.8	4273.7	600.0	-5.0	-21.3	294.0	18.7	17.1	-7.6	310.4	311.9	0.5	10.5	5.1	142.
18.1	27.2	4636.6	575.0	-7.0	-21.8	293.4	19.3	17.7	-7.7	311.8	313.3	0.5	11.7	6.4	137.
19.3	27.3	4991.4	550.0	-9.9	-20.4	294.1	19.2	17.5	-7.8	312.3	313.8	0.4	11.3	7.8	132.
20.7	26.4	5339.0	525.0	-11.9	-25.6	295.7	19.9	18.6	-7.0	314.1	315.3	0.3	11.8	9.3	129.
22.0	25.5	5681.3	500.0	-13.9	-25.2	296.7	22.0	21.1	-6.3	314.8	316.1	0.4	16.2	10.9	126.
23.4	27.8	6040.7	475.0	-16.2	-25.3	285.3	23.4	22.6	-6.2	315.4	316.5	0.3	15.2	12.9	123.
25.3	28.1	6417.3	450.0	-20.9	-30.3	288.5	24.8	23.5	-7.9	317.0	318.4	0.4	23.8	15.2	120.
26.8	27.6	6787.3	425.0	-23.8	-31.9	287.7	29.3	27.9	-8.9	318.5	320.1	0.5	34.5	17.7	119.
28.5	25.1	7147.3	400.0	-27.2	-33.4	285.4	30.8	29.8	-8.0	319.6	320.6	0.3	27.1	20.6	117.
30.3	26.8	7498.6	375.0	-31.1	-40.5	288.8	31.0	29.3	-10.0	320.4	321.1	0.2	22.5	23.8	115.
32.1	26.7	8278.4	350.0	-34.4	-37.3	291.3	36.8	34.2	-13.4	322.3	322.9	0.1	25.4	27.5	115.
34.1	26.7	8748.4	325.0	-38.3	-53.1	292.9	40.7	37.5	-15.8	323.9	324.4	0.1	27.3	32.2	114.
36.3	26.8	9218.4	300.0	-43.1	99.9	296.1	43.5	40.9	-15.0	324.6	999.9	99.9	999.9	37.5	114.
38.5	26.2	9518.4	275.0	-47.2	99.9	289.5	49.3	46.5	-16.5	326.9	999.9	99.9	999.9	43.7	113.
40.5	27.8	10538.1	250.0	-52.2	99.9	285.7	51.8	49.9	-14.1	328.5	999.9	99.9	999.9	50.5	113.
42.3	27.6	11218.7	225.0	-57.9	99.9	286.1	55.80	53.6	-15.5	329.8	999.9	99.9	999.9	58.6	112.
43.7	27.8	11967.8	200.0	-61.5	99.9	294.3	57.50	52.4	-23.6	335.4	999.9	99.9	999.9	66.8	111.
45.7	27.3	12745.2	175.0	-65.9	99.9	288.3	60.10	56.6	-15.4	341.3	999.9	99.9	999.9	76.8	112.
47.4	27.5	13712.8	150.0	-62.3	99.9	287.7	34.00	34.3	-16.9	342.8	999.9	99.9	999.	85.8	111.
48.8	27.8	14848.8	125.0	-59.6	99.9	283.4	23.60	23.3	-5.5	387.2	999.9	99.9	999.9	93.2	111.
49.4	27.5	15237.4	100.0	-60.1	99.9	277.7	18.90	18.7	-2.5	411.4	999.9	99.9	999.9	100.7	110.
49.2	141.7	15029.8	75.0	-61.5	99.9	275.9	12.90	12.7	-2.2	443.5	999.9	99.9	999.9	107.2	109.
78.7	151.0	20017.7	50.0	-56.8	99.9	263.6	6.90	6.9	0.8	509.4	999.9	99.9	999.9	114.5	109.
91.4	142.7	25028.0	25.0	-49.5	99.9	254.8	3.7	3.5	1.0	662.7	999.9	99.9	999.9	115.7	106.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

2 MAY 1978
1958 GMT

156 15. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.1	172.0	995.7	13.8	2.7	40.0	5.1	-3.3	-3.9	287.3	299.7	4.7	47.0	0.0	0.
66.6	66.6	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	6.0	348.1	975.0	11.5	0.1	56.5	9.6	-8.0	-5.3	286.7	297.3	3.9	45.3	0.4	235.
1.7	11.3	564.2	950.0	8.9	-0.3	56.0	8.7	-7.2	-4.9	286.3	296.8	3.9	52.2	1.0	235.
2.8	13.6	784.3	925.0	6.9	-0.7	63.9	9.1	-8.1	-4.3	286.4	296.9	3.9	58.2	1.5	236.
3.8	16.0	1008.6	900.0	4.8	-2.3	76.2	9.4	-9.1	-2.2	286.4	296.1	3.6	60.2	2.0	239.
4.8	18.4	1238.5	875.0	5.9	-24.6	83.3	9.8	-9.7	-1.1	289.9	291.8	0.6	9.2	2.5	245.
5.5	20.8	1476.3	850.0	7.0	-24.2	74.1	8.3	-8.0	-2.3	293.5	295.4	0.6	8.7	3.1	247.
6.4	23.2	1722.0	825.0	7.9	-15.6	80.4	4.9	-4.9	-0.8	296.9	301.0	1.4	17.0	3.4	248.
7.3	25.7	1975.8	800.0	8.2	-0.5	124.1	2.3	-1.9	1.3	299.9	313.0	4.6	54.1	3.6	248.
8.3	28.2	2237.9	775.0	7.4	-0.4	204.9	3.1	1.3	2.8	301.8	315.4	4.8	58.0	3.5	250.
9.4	30.8	2507.5	750.0	6.8	-3.3	239.3	4.5	3.9	2.3	303.9	315.5	4.0	48.7	3.3	252.
10.3	33.3	2785.8	725.0	6.1	-11.0	250.8	5.8	5.5	1.9	306.2	313.0	2.3	28.0	3.0	252.
11.4	36.0	3072.1	700.0	3.9	-10.1	250.4	6.1	5.8	2.1	306.8	314.4	2.5	35.1	2.6	252.
12.5	38.7	3366.8	675.0	1.7	-6.5	250.1	7.1	6.7	2.4	307.6	317.9	3.5	54.5	2.2	253.
13.6	41.4	3670.1	650.0	-0.6	-2.1	247.5	9.1	8.4	3.5	308.4	323.0	5.1	89.5	1.6	254.
14.8	44.2	3983.2	625.0	-2.4	-5.1	999.9	999.9	99.9	99.9	309.7	322.1	4.2	81.7	0.9	259.
16.0	47.1	4306.6	600.0	-4.4	99.9	999.9	999.9	99.9	99.9	311.0	999.9	99.9	999.9	999.9	999.
17.3	50.0	4640.8	575.0	-6.3	99.9	999.9	999.9	99.9	99.9	312.8	999.9	99.9	999.9	999.9	999.
18.6	53.0	4986.0	550.0	-8.2	99.9	999.9	999.9	99.9	99.9	314.3	999.9	99.9	999.9	999.9	999.
19.9	56.0	5345.6	525.0	-10.3	99.9	999.9	999.9	99.9	99.9	316.1	999.9	99.9	999.9	999.9	999.
21.2	59.1	5719.2	500.0	-13.8	-20.9	999.9	999.9	99.9	99.9	316.2	320.8	1.4	55.0	4.1	92.
22.4	62.4	6106.3	475.0	-17.7	-20.8	254.5	11.1	10.7	3.0	316.1	321.0	1.5	76.4	4.8	87.
23.6	65.7	6508.9	450.0	-20.2	-22.7	266.0	10.8	10.8	0.7	317.9	322.3	1.4	80.0	5.6	87.
25.2	69.0	6930.2	425.0	-23.2	-25.9	263.5	17.0	16.8	1.9	319.3	322.8	1.1	78.3	6.8	87.
26.6	72.6	7371.5	400.0	-26.7	-29.6	262.2	22.0	21.8	3.0	320.3	323.1	0.8	76.6	8.5	86.
28.2	76.3	7835.1	375.0	-29.1	-32.0	260.4	27.2	26.8	4.5	323.1	325.5	0.7	76.2	10.8	85.
29.8	80.0	8324.9	350.0	-32.3	-35.2	260.7	27.7	27.4	4.5	325.3	327.2	0.3	75.1	13.5	84.
31.6	84.0	8843.1	325.0	-36.6	-39.7	263.5	28.4	28.2	3.2	326.2	327.6	0.4	73.1	16.4	84.
33.5	88.2	9392.4	300.0	-41.1	99.9	264.9	29.3	29.2	2.6	327.5	999.9	99.9	999.9	19.9	84.
35.4	92.5	9977.7	275.0	-46.2	99.9	267.2	25.9	25.8	1.2	328.4	999.9	99.9	999.9	22.9	84.
37.5	97.0	10603.7	250.0	-51.6	99.9	258.5	32.5	31.9	6.5	329.4	999.9	99.9	999.9	26.7	85.
39.8	101.8	11281.6	225.0	-55.4	99.9	233.2	39.0	31.2	23.4	333.6	999.9	99.9	999.9	30.3	76.
42.2	106.8	12022.0	200.0	-61.7	99.9	267.1	45.4	45.3	2.3	335.0	999.9	99.9	999.9	36.2	79.
45.1	112.4	12841.5	175.0	-65.2	99.9	271.0	46.4	46.4	-0.8	342.3	999.9	99.9	999.9	44.5	81.
48.1	118.5	13751.3	150.0	-64.6	99.9	281.8	33.8	33.1	-6.9	358.9	999.9	99.9	999.9	51.8	83.
52.0	125.0	14853.2	125.0	-66.5	99.9	272.0	25.2	25.2	-0.9	378.3	999.9	99.9	999.9	57.5	85.
56.4	132.3	16201.3	100.0	-64.1	99.9	277.8	20.2	20.0	-2.7	404.0	999.9	99.9	999.9	64.0	86.
62.3	140.7	18041.0	75.0	-62.0	99.9	279.3	13.7	13.5	-2.2	442.9	999.9	99.9	999.9	69.7	87.
69.6	149.3	20550.4	50.0	-61.9	99.9	269.3	4.0	4.0	0.8	497.8	999.9	99.9	999.9	72.9	88.
82.4	158.5	24971.3	25.0	-69.9	99.9	113.5	3.9	-3.6	1.6	661.6	999.9	99.9	999.9	75.1	87.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

2 MAY 1978
2000 GMT

153 13. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.5	438.0	965.8	13.9	-1.7	70.0	6.1	-5.7	-2.1	289.9	299.5	3.5	34.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	11.9	576.4	950.0	11.9	-4.2	70.8	9.0	-8.5	-2.9	289.2	297.4	3.0	32.2	0.3	249.
1.3	14.1	798.7	925.0	10.0	-4.9	79.8	7.5	-7.4	-1.3	289.6	297.5	2.9	34.6	0.7	252.
2.0	16.5	1025.4	900.0	7.5	-6.5	85.5	6.5	-6.5	-0.5	289.2	296.5	2.8	36.2	1.0	256.
2.1	16.7	1256.4	875.0	5.3	-6.4	98.4	5.9	-5.9	0.9	289.3	296.8	2.7	42.5	1.4	256.
4.0	21.1	1492.1	850.0	2.8	-8.0	106.3	6.7	-6.5	1.9	289.1	295.9	2.5	44.8	1.7	265.
5.0	23.5	1733.4	825.0	2.2	-16.6	94.3	6.8	-6.8	0.5	290.9	294.1	1.1	19.7	2.0	268.
5.9	26.0	1982.6	800.0	3.6	-23.1	75.0	4.4	-4.2	-1.1	297.1	299.4	0.7	10.4	2.4	268.
6.5	27.4	2242.1	775.0	5.2	-21.8	59.1	1.4	-1.2	-0.7	299.4	302.1	0.9	12.1	2.5	266.
7.9	30.9	2509.9	750.0	4.0	-18.3	18 .3	0.5	0.1	0.5	301.0	304.7	1.2	17.7	2.5	266.
8.8	33.5	2784.0	725.0	2.4	-3.8	233.2	1.4	1.2	0.9	302.1	313.5	4.0	63.8	2.5	267.
9.8	36.1	3067.0	700.0	1.0	-5.4	231.5	2.6	2.1	1.6	303.6	314.2	3.7	62.0	2.4	269.
10.6	38.7	3359.4	675.0	0.8	-11.8	259.3	5.2	5.1	1.0	306.6	313.5	2.3	38.6	2.2	271.
12.0	41.8	3661.7	650.0	-0.6	-15.4	259.4	7.9	7.8	1.5	307.9	313.4	1.8	32.5	1.7	272.
13.1	44.1	3973.8	625.0	-2.0	-26.7	248.6	9.3	8.6	3.4	310.2	312.6	0.7	14.3	1.2	283.
14.2	46.9	4297.0	600.0	-4.4	-13.7	261.1	7.9	7.8	1.2	311.0	317.8	2.2	48.1	0.7	308.
15.5	49.9	4631.0	575.0	-6.2	-21.6	276.3	6.3	6.3	-0.7	312.8	316.6	1.2	28.2	8.5	354.
16.6	52.8	4977.2	550.0	-8.9	-25.0	286.8	9.6	9.2	-2.8	313.5	316.5	0.9	25.7	0.6	51.
18.1	55.8	5336.7	525.0	-10.5	-26.9	291.8	12.7	11.8	-4.7	315.8	318.5	0.8	24.5	1.3	92.
19.3	58.9	5710.1	500.0	-13.5	-25.3	277.6	11.5	11.4	-1.5	316.6	319.8	1.0	36.3	2.3	97.
20.6	62.0	6097.9	475.0	-16.7	-29.0	276.8	10.1	10.0	-1.2	317.3	319.7	0.7	33.4	3.1	97.
22.1	65.3	6501.7	450.0	-19.5	-37.8	274.7	8.2	8.2	-0.7	318.8	319.9	0.3	17.7	3.9	97.
23.4	68.6	6923.4	425.0	-23.3	-43.6	277.4	7.1	7.0	0.9	319.1	319.8	0.2	11.5	4.5	96.
25.0	72.1	7363.4	400.0	-27.2	-46.3	281.5	8.4	8.2	-1.7	319.6	320.1	0.1	14.4	5.1	97.
26.5	75.7	7824.4	375.0	-31.3	-40.8	280.1	11.1	10.9	-1.9	320.2	321.2	0.3	38.2	6.0	98.
28.3	79.5	8309.0	350.0	-35.1	-39.7	269.0	14.1	14.1	0.2	321.4	322.7	0.3	62.1	7.3	97.
29.6	83.5	8823.3	325.0	-37.9	-42.8	259.2	19.6	19.2	3.7	324.4	325.4	0.3	59.6	8.9	95.
31.6	87.9	9369.9	300.0	-42.3	99.9	255.4	22.8	22.0	5.7	325.7	999.9	99.9	999.9	11.1	91.
33.5	91.8	9951.7	275.0	-47.3	99.9	254.2	25.9	24.9	7.1	326.8	999.9	99.9	999.9	13.8	87.
35.5	96.4	10575.3	250.0	-52.4	99.9	255.3	31.1	30.0	7.9	328.2	999.9	99.9	999.9	17.0	85.
37.7	101.2	11247.8	225.0	-58.1	99.9	256.8	37.1	36.1	8.5	329.5	999.9	99.9	999.9	21.4	83.
39.9	106.2	11980.4	200.0	-63.4	99.9	258.8	40.5	39.7	7.9	332.4	999.9	99.9	999.9	26.6	82.
42.4	111.8	12795.4	175.0	-63.9	99.9	271.1	38.4	38.4	-0.7	344.5	999.9	99.9	999.9	33.0	82.
45.3	117.8	13744.2	150.0	-62.3	99.9	280.9	25.7	25.2	-4.9	362.7	999.9	99.9	999.9	38.1	84.
46.9	120.3	14873.8	125.0	-59.7	99.9	271.0	19.8	19.8	-0.3	386.9	999.9	99.9	999.9	42.8	86.
53.2	131.5	16256.5	100.0	-63.3	99.9	274.4	15.2	15.2	-1.2	405.4	999.9	99.9	999.9	47.2	86.
59.0	139.7	18038.5	75.0	-61.0	99.9	287.0	12.7	12.1	-3.7	445.0	999.9	99.9	999.9	51.9	87.
66.7	148.3	20561.1	50.0	-59.6	99.9	247.4	4.7	4.4	1.8	503.1	999.9	99.9	999.9	55.8	89.
78.8	157.7	25004.2	25.0	-50.7	99.9	999.9	999.9	99.9	99.9	639.4	999.9	99.9	999.9	84.8	89.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

2 MAY 1978
2000 GMT

34 656. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.1	392.0	968.0	11.7	0.5	60.0	7.6	-6.6	-3.8	287.5	298.5	4.1	46.0	0.0	0.
55.5	55.0	59.9	1000.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	55.0	59.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.9	548.0	550.0	8.1	0.1	70.5	8.8	-8.3	-3.0	285.5	296.3	4.1	7.0	0.3	248.
1.3	12.3	707.3	525.0	6.0	-0.7	72.4	9.7	-9.3	-2.9	285.5	295.9	3.9	31.9	0.7	245.
2.2	15.8	991.1	500.0	4.4	-1.0	80.8	11.4	-11.2	-1.8	286.1	296.7	4.0	68.1	1.2	252.
3.4	18.3	1221.4	475.0	7.3	-3.2	96.7	14.7	-14.6	1.7	291.3	300.9	3.5	47.3	2.0	259.
4.1	20.8	1459.6	450.0	6.2	0.2	111.4	16.4	-15.2	6.0	292.7	305.2	4.6	65.4	2.8	266.
5.1	23.3	1706.7	425.0	6.9	5.8	130.1	15.5	-11.9	10.0	295.9	314.1	6.7	88.8	3.7	275.
6.2	26.0	1958.9	400.0	7.3	6.6	139.3	14.9	-9.7	11.3	298.9	320.0	7.8	96.8	4.4	283.
7.4	28.6	2220.2	375.0	5.6	5.5	145.0	14.8	-8.5	12.1	299.9	320.0	7.4	99.1	5.2	290.
8.2	-1.3	2498.6	350.0	4.6	4.6	147.2	13.2	-7.1	11.1	301.6	321.2	7.1	100.0	5.8	295.
9.4	-4.1	2795.2	325.0	4.2	4.2	144.8	11.5	-6.6	9.4	304.1	324.1	7.2	101.5	6.5	298.
10.1	-6.9	3048.8	700.0	0.2	0.2	131.3	9.8	-7.4	6.5	302.8	318.5	5.6	100.0	7.3	301.
12.0	-9.8	3340.3	675.0	-1.1	-1.1	999.9	999.9	99.9	99.9	304.5	319.4	5.3	99.9	999.9	999.
55.5	55.0	55.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.5	999.9	999.
55.5	55.0	55.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.5	999.9	999.
55.5	55.0	55.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.5	999.9	999.
55.5	55.0	55.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
55.5	55.0	55.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

2 MAY 1978
2000 GMT

150 26. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.8	1094.0	886.0	2.8	2.4	50.0	13.7	-10.5	-8.8	285.7	299.2	5.1	97.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	18.9	1195.0	875.0	1.6	0.9	51.6	21.1	-16.5	-13.1	285.4	297.8	4.7	95.5	0.5	229.
1.0	21.5	1428.8	850.0	0.4	0.0	60.8	22.2	-19.4	-10.8	286.5	298.5	4.5	97.6	1.1	231.
1.6	24.1	1670.0	825.0	5.0	1.8	86.6	17.5	-17.5	-1.1	293.9	308.3	5.3	79.9	2.0	239.
2.4	26.8	1921.9	800.0	4.6	1.8	98.1	18.4	-18.2	2.6	296.1	311.0	5.5	81.7	2.5	250.
3.1	29.5	2180.3	775.0	3.2	1.1	98.1	20.0	-19.8	2.8	297.2	312.1	5.4	86.6	3.5	256.
4.0	32.2	2445.6	750.0	1.5	0.5	107.3	16.1	-15.4	4.8	298.2	312.9	5.3	93.3	4.2	262.
4.9	35.0	2718.8	725.0	0.4	-0.4	113.2	15.7	-14.5	6.2	299.9	314.2	5.1	94.3	5.0	266.
5.7	37.9	3000.4	700.0	-0.4	-1.2	125.1	14.3	-11.7	8.2	302.0	316.2	5.0	94.6	5.6	273.
6.5	40.8	3291.1	675.0	-1.7	-2.5	141.9	11.8	-7.3	9.2	303.7	317.2	4.7	94.4	6.1	275.
7.4	43.7	3591.8	650.0	-2.7	-3.6	170.0	9.5	-1.7	9.4	305.9	319.0	4.5	94.0	6.4	278.
8.3	46.6	3902.7	625.0	-3.6	-4.5	206.2	10.0	4.4	9.0	308.4	321.2	4.4	93.5	6.4	283.
9.4	49.8	4224.7	600.0	-5.4	-6.4	220.2	10.7	6.9	8.2	309.9	321.5	3.9	92.4	6.1	289.
10.4	52.9	4558.4	575.0	-6.9	-8.1	220.4	10.5	6.8	8.0	312.0	322.8	3.6	91.2	6.9	294.
11.3	56.0	4904.5	550.0	-8.7	-10.1	218.0	11.6	7.2	9.2	313.8	323.6	3.2	89.6	5.8	303.
12.3	59.2	5263.9	525.0	-11.3	-14.5	208.8	14.5	7.0	12.8	314.6	322.2	2.4	77.3	5.8	307.
13.3	62.5	5636.8	500.0	-13.7	-17.4	207.2	18.5	8.4	16.4	316.3	322.5	1.9	73.7	6.1	317.
14.4	65.9	6025.0	475.0	-16.2	-19.8	197.5	21.4	6.5	20.4	318.0	323.3	1.7	73.1	6.7	327.
15.6	69.3	6430.6	450.0	-18.6	-21.8	183.8	19.5	1.3	19.5	319.9	324.7	1.5	75.6	7.9	335.
16.8	72.9	6854.3	425.0	-21.7	-25.2	182.4	14.9	0.6	14.8	321.2	325.0	1.1	72.6	9.1	338.
18.2	76.7	7297.5	400.0	-25.3	-28.6	181.0	10.9	0.2	10.9	322.1	325.1	0.9	73.6	10.1	341.
19.4	80.5	7763.6	375.0	-28.6	-32.2	186.3	10.5	-2.5	10.2	323.7	326.1	0.7	71.0	10.7	342.
20.6	84.5	8254.4	350.0	-32.0	-36.0	157.5	15.8	-6.3	14.6	325.7	327.4	0.5	67.4	11.7	342.
22.0	89.6	8774.1	325.0	-35.8	-40.0	156.7	21.4	-8.4	19.6	327.4	328.7	0.4	65.0	13.2	341.
23.1	92.8	9324.9	300.0	-40.2	99.9	153.1	24.6	-11.2	22.0	328.8	999.9	99.9	999.9	14.8	341.
24.6	97.4	9912.8	275.0	-44.9	99.9	146.9	27.5	-15.0	23.0	330.2	999.9	99.9	999.9	17.1	339.
26.2	102.2	10543.2	250.0	-50.0	99.9	144.9	29.5	-16.9	24.1	331.8	999.9	99.9	999.9	19.7	337.
27.9	107.2	11222.8	225.0	-56.1	99.9	147.2	30.9	-16.7	26.0	332.5	999.9	99.9	999.9	22.5	336.
29.5	112.5	11960.4	200.0	-62.9	99.9	156.4	33.1	-13.3	30.4	333.2	999.9	99.9	999.9	25.9	335.
31.2	118.3	12775.8	175.0	-69.2	99.9	183.9	33.3	2.3	33.2	345.6	999.9	99.9	999.9	29.7	337.
34.0	124.5	13736.5	150.0	-58.5	99.9	219.5	22.9	14.6	17.7	369.4	999.9	99.9	999.9	32.9	342.
36.7	131.3	14869.9	125.0	-67.5	99.9	239.8	15.8	13.6	7.9	390.9	999.9	99.9	999.9	34.0	346.
39.6	138.8	16297.8	100.0	-59.8	99.9	243.7	13.4	12.0	5.9	412.3	999.9	99.9	999.9	34.5	351.
43.6	147.0	18090.7	75.0	-60.5	99.9	258.0	9.1	8.9	1.9	446.0	999.9	99.9	999.9	35.5	355.
49.2	156.5	20613.8	50.0	-59.4	99.9	358.5	4.6	0.1	-4.6	503.5	999.9	99.9	999.9	34.7	358.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

2 MAY 1978
2000 GMT

152 28. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.5	298.0	981.1	13.8	-0.6	340.0	3.1	1.1	-2.9	288.5	298.6	3.7	37.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	9.0	350.3	975.0	11.5	-3.6	306.5	4.9	3.9	-2.9	286.7	294.9	3.0	34.5	0.3	138.
1.3	11.4	566.4	950.0	9.4	-3.1	318.1	6.0	4.8	-4.5	286.7	295.4	3.2	41.2	0.5	135.
1.9	13.7	786.6	925.0	7.1	-3.9	342.5	5.1	1.5	-4.8	286.6	295.0	3.1	45.2	0.8	137.
2.7	16.1	1011.2	900.0	4.9	-4.5	357.7	6.1	0.2	-6.1	286.5	294.8	3.1	50.8	1.0	147.
3.3	18.6	1240.2	875.0	2.6	-5.3	354.1	5.8	0.6	-5.8	286.5	294.5	2.9	55.8	1.2	152.
4.1	21.1	1473.8	850.0	0.6	-5.4	345.2	5.6	1.4	-5.4	286.8	295.0	3.0	64.0	1.4	156.
4.8	23.6	1712.6	825.0	-1.8	-5.7	336.4	6.6	2.7	-6.1	286.7	294.9	3.0	75.0	1.7	156.
5.6	26.2	1957.3	800.0	-2.4	-13.3	335.0	5.5	2.3	-5.0	288.7	293.5	1.7	42.6	1.9	156.
6.4	28.8	2208.4	775.0	-4.1	-14.0	336.8	4.8	1.9	-4.4	289.4	294.2	1.7	45.9	2.2	156.
7.4	31.4	2466.6	750.0	-5.5	-16.9	338.4	6.5	2.4	-6.1	290.6	294.6	1.4	40.1	2.5	156.
8.3	34.1	2732.0	725.0	-6.2	-16.2	328.8	7.9	4.1	-6.8	292.7	297.0	1.5	44.7	2.9	156.
9.2	36.8	3006.4	700.0	-6.7	-19.1	316.0	8.3	5.7	-5.9	295.1	298.7	1.2	36.6	3.3	154.
10.2	39.6	3289.5	675.0	-8.6	-21.3	309.2	9.7	7.5	-6.1	296.0	299.1	1.0	34.8	3.8	151.
11.2	42.3	3581.2	650.0	-10.4	-22.3	305.0	10.6	8.7	-6.1	297.2	300.2	1.0	36.6	4.4	148.
12.4	45.2	3882.2	625.0	-12.0	-25.0	299.0	12.9	11.3	-6.2	298.8	301.3	0.8	32.8	5.1	144.
13.4	48.0	4194.1	600.0	-12.0	-36.6	295.1	16.2	14.7	-6.9	302.2	303.2	0.3	10.8	5.9	140.
14.6	51.0	4519.4	575.0	-13.3	-37.5	295.6	20.0	18.1	-8.7	304.4	305.3	0.3	10.9	7.2	136.
16.0	54.1	4858.4	550.0	-15.3	-38.0	297.1	22.9	20.4	-10.4	305.9	306.8	0.3	12.2	8.8	132.
17.4	57.3	5206.8	525.0	-16.5	-39.8	303.0	25.9	21.8	-14.1	308.6	309.4	0.2	11.2	10.9	129.
18.7	60.5	5572.7	500.0	-18.2	-41.5	307.4	27.7	22.0	-16.8	310.9	311.6	0.2	10.8	13.0	129.
20.1	63.8	5954.0	475.0	-20.7	-42.8	308.8	29.0	22.6	-18.2	312.3	313.0	0.2	11.7	15.3	129.
21.6	67.1	6351.8	450.0	-23.0	-45.2	310.0	28.1	21.6	-18.1	314.3	314.9	0.1	11.0	17.9	129.
23.3	70.7	6768.0	425.0	-26.5	-45.9	309.6	29.8	23.0	-19.0	315.1	315.6	0.1	13.9	20.9	129.
25.0	74.3	7203.1	400.0	-30.1	-48.4	309.3	29.0	22.5	-18.4	315.9	316.3	0.1	14.7	23.9	129.
26.8	78.1	7659.0	375.0	-33.9	-51.1	309.4	29.1	22.5	-18.4	316.8	317.1	0.1	15.4	27.0	129.
28.7	82.0	8138.8	350.0	-37.7	-54.2	309.9	29.3	22.5	-18.8	317.7	318.2	0.1	15.7	30.2	129.
30.7	86.0	8645.4	325.0	-41.7	99.9	309.3	31.9	24.7	-20.2	319.2	999.9	99.9	999.9	33.8	129.
32.8	90.3	9184.2	300.0	-45.4	99.9	309.0	34.5	26.8	-21.7	321.4	999.9	99.9	999.9	38.1	129.
35.3	94.8	9758.5	275.0	-50.0	99.9	306.4	35.9	28.9	-21.3	322.8	999.9	99.9	999.9	43.2	129.
37.6	99.4	10374.7	250.0	-54.9	99.9	304.2	37.9	31.4	-21.3	324.5	999.9	99.9	999.9	48.4	129.
40.3	104.4	11041.6	225.0	-58.1	99.9	300.1	35.3	30.5	-17.7	329.5	999.9	99.9	999.9	54.7	128.
43.3	109.8	11785.7	200.0	-58.9	99.9	300.2	37.3	32.2	-18.7	342.6	999.9	99.9	999.9	60.3	127.
46.7	115.3	12630.7	175.0	-57.7	99.9	300.4	23.9	20.6	-12.1	354.7	999.9	99.9	999.9	67.1	127.
50.5	121.5	13610.3	150.0	-55.9	99.9	999.9	999.9	99.9	99.9	373.8	999.9	99.9	999.9	71.6	126.
54.6	128.0	14767.1	125.0	-56.7	99.9	999.9	999.9	99.9	99.9	392.3	999.9	99.9	999.9	999.9	999.
60.3	135.3	16175.6	100.0	-58.3	99.9	999.9	999.9	99.9	99.9	415.2	999.9	99.9	999.9	84.9	124.
67.1	143.3	17960.1	75.1	-57.6	99.9	289.9	11.0	10.3	-3.7	452.2	999.9	99.9	999.9	89.5	123.
76.3	151.7	20558.4	50.0	-54.9	99.9	336.4	9.1	3.6	-8.3	514.2	999.9	99.9	999.9	94.4	123.
96.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 8 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 8 DEG

STATION NO. 433
SALEM, ILLINO.

2 MAY 1978
2000 GMT

1ST 13. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	175.0	997.3	15.6	-1.4	50.0	6.1	-4.7	-3.9	289.0	298.4	3.5	31.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.5	365.7	975.0	12.4	-6.5	37.8	5.4	-3.3	-4.3	287.6	294.3	2.4	26.3	0.3	223.
1.8	10.4	582.2	950.0	9.6	-5.2	20.1	6.1	-2.1	-5.7	286.9	294.4	2.7	34.7	0.6	213.
2.8	12.2	802.3	925.0	7.1	-5.9	30.0	6.0	-3.0	-5.2	286.6	293.9	2.7	39.0	1.0	208.
3.6	14.2	1026.8	900.0	5.1	-6.5	39.1	5.4	-3.4	-4.2	286.8	294.0	2.6	42.8	1.3	210.
4.5	16.2	1255.6	875.0	3.4	-6.5	37.6	5.3	-3.2	-4.2	287.3	294.7	2.7	48.4	1.6	212.
5.3	18.3	1490.0	850.0	1.1	-9.0	37.2	5.5	-3.4	-4.4	287.3	293.6	2.3	47.0	1.8	212.
6.3	20.3	1729.6	825.0	0.9	-17.8	32.4	8.1	-4.3	-6.8	289.6	293.0	1.2	24.0	2.2	213.
7.1	22.4	1976.9	800.0	0.5	-25.8	30.4	8.8	-4.5	-7.6	291.7	293.5	0.6	11.7	2.6	212.
8.0	24.6	2231.3	775.0	-0.1	-22.6	24.1	6.8	-2.8	-6.2	293.7	296.2	0.8	16.3	3.0	212.
8.9	26.8	2493.3	750.0	-0.8	-21.6	6.7	7.0	-0.8	-7.0	295.7	298.5	0.9	19.0	3.4	210.
9.8	29.1	2763.3	725.0	-1.8	-22.8	7.2	6.7	-0.8	-6.7	297.6	300.1	0.8	18.1	3.7	208.
10.8	31.4	3042.8	700.0	-1.5	-25.4	359.7	6.1	0.0	-6.1	300.9	303.1	0.7	14.0	4.1	206.
11.8	33.8	3332.4	675.0	-1.0	-28.3	327.2	6.0	3.3	-5.1	304.5	306.3	0.5	10.4	4.4	203.
12.9	36.2	3632.9	650.0	-2.1	-29.3	318.4	7.7	5.1	-5.7	306.6	308.3	0.5	10.3	4.5	198.
14.0	38.6	3943.3	625.0	-4.2	-31.8	313.3	8.0	5.8	-5.5	307.6	309.1	0.4	9.5	4.8	193.
15.2	41.4	4263.5	600.0	-6.7	-33.6	310.7	8.3	6.3	-5.4	308.3	309.6	0.4	9.6	5.1	187.
16.3	44.0	4593.9	575.0	-9.1	-35.1	311.7	8.5	6.3	-5.7	309.4	310.5	0.3	9.9	5.4	182.
17.4	46.8	4936.4	550.0	-11.3	-37.8	316.9	9.9	6.8	-7.2	310.6	311.6	0.3	9.0	5.9	178.
18.6	49.6	5292.3	525.0	-12.9	-38.7	312.3	11.3	8.4	-7.6	313.0	313.8	0.2	8.3	6.5	173.
20.0	52.6	5662.2	500.0	-15.6	-39.8	305.7	12.6	10.2	-7.3	314.1	314.9	0.2	10.4	7.2	168.
21.5	55.6	6047.6	475.0	-18.3	-41.3	301.5	15.1	12.9	-7.9	315.3	316.0	0.2	11.1	8.1	161.
22.9	58.9	6448.2	450.0	-22.2	-43.5	299.2	17.1	14.9	-8.3	315.4	316.0	0.2	12.3	9.2	156.
24.4	62.1	6866.1	425.0	-25.4	-45.9	294.0	17.5	16.0	-7.1	316.5	317.0	0.1	12.6	10.4	150.
25.9	65.4	7302.9	400.0	-29.0	-48.6	293.0	18.5	17.0	-7.2	317.3	317.7	0.1	12.9	11.7	146.
27.5	69.0	7760.6	375.0	-33.0	-47.2	295.3	19.2	17.6	-7.6	317.9	318.4	0.1	22.4	13.3	141.
29.2	72.7	8242.2	350.0	-36.8	-42.0	296.8	20.7	18.5	-9.3	319.1	320.1	0.3	58.3	15.1	138.
30.8	76.6	8750.9	325.0	-40.8	99.9	294.0	23.7	21.7	-9.7	320.5	999.9	99.9	999.9	17.1	135.
32.4	80.8	9291.0	300.0	-43.8	99.9	292.1	36.3	33.6	-13.7	323.6	999.9	99.9	999.9	19.7	132.
34.2	85.2	9871.7	275.0	-46.7	99.9	291.6	52.0	48.2	-19.1	327.5	999.9	99.9	999.9	24.3	128.
36.4	90.0	10496.8	250.0	-51.7	99.9	288.2	61.7	58.6	-19.3	329.2	999.9	99.9	999.9	31.4	124.
38.2	95.0	11171.6	225.0	-56.6	99.9	289.4	64.5	61.2	-20.4	331.7	999.9	99.9	999.9	38.2	121.
40.4	100.6	11907.7	200.0	-62.6	99.9	288.4	58.4	55.4	-18.4	333.6	999.9	99.9	999.9	46.6	119.
42.6	106.5	12711.9	175.0	-61.9	99.9	288.4	40.9	38.8	-12.9	347.7	999.9	99.9	999.9	53.6	117.
45.7	113.0	13592.6	150.0	-56.8	99.9	295.0	28.3	25.7	-11.9	368.7	999.9	99.9	999.9	59.0	117.
49.3	120.5	14560.1	125.0	-56.8	99.9	289.5	22.3	21.1	-7.4	388.5	999.9	99.9	999.9	64.2	117.
53.5	128.7	16245.3	100.0	-59.1	99.9	287.8	17.4	16.5	-5.3	413.5	999.9	99.9	999.9	69.3	116.
56.8	137.7	18048.7	75.0	-59.2	99.9	288.3	15.8	15.0	-5.0	448.9	999.9	99.9	999.9	73.9	115.
65.7	147.3	20000.9	50.0	-56.3	99.9	281.4	7.6	7.5	-1.5	510.9	999.9	99.9	999.9	78.3	115.
76.5	157.5	25083.7	25.0	-48.6	99.9	999.9	999.9	99.9	99.9	645.2	999.9	99.9	999.9	78.8	114.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

2 MAY 1978
1815 GMT

145 18. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.8	751.8	926.0	9.4	0.6	100.0	6.6	-6.5	1.1	288.8	300.5	4.3	54.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	12.6	799.9	925.0	8.7	0.1	94.3	7.3	-7.3	0.6	288.2	299.4	4.2	54.8	0.1	327.
0.9	15.8	1024.8	900.0	5.5	-1.4	84.0	8.5	-8.5	-0.9	287.2	297.5	3.9	61.3	0.4	262.
1.7	17.2	1253.5	875.0	2.6	-2.7	84.8	8.6	-8.6	-0.8	286.5	296.2	3.6	67.9	0.9	263.
2.5	19.4	1487.8	850.0	0.3	-3.0	81.7	8.7	-8.6	-1.3	286.5	296.2	3.6	78.2	1.3	264.
3.3	21.6	1726.4	825.0	-1.8	-5.2	83.6	10.1	-10.0	-1.1	286.7	295.3	3.2	77.7	1.7	262.
4.3	23.9	1971.6	800.0	0.6	-14.1	99.2	10.6	-10.4	1.7	291.8	296.5	1.6	32.8	2.3	265.
5.1	26.2	2227.2	775.0	1.6	-7.4	100.4	8.5	-8.4	1.5	295.6	303.8	2.9	52.8	2.8	268.
6.3	28.5	2491.0	750.0	-0.0	-0.0	115.3	7.7	-6.9	3.3	296.6	310.6	5.1	99.9	3.2	270.
6.9	31.0	2762.5	725.0	-0.3	-0.3	141.0	9.4	-5.9	7.3	299.1	313.5	5.2	100.9	3.5	275.
8.0	33.4	3042.9	700.0	-2.3	-2.3	158.5	8.3	-3.0	7.7	300.0	313.0	4.6	99.7	3.9	282.
9.1	35.9	3331.1	675.0	-3.8	-11.3	168.3	8.6	-1.8	8.5	301.5	308.5	2.4	55.8	4.2	289.
10.2	38.4	3629.4	650.0	-4.0	-12.0	171.1	9.2	-1.4	9.1	304.4	311.4	2.3	53.6	4.5	295.
11.3	41.0	3937.5	625.0	-6.5	-16.3	168.7	8.1	-2.7	7.6	305.0	310.2	1.7	45.5	4.8	301.
12.4	43.8	4255.5	600.0	-8.3	-17.8	140.6	5.4	-3.4	4.2	306.6	311.4	1.6	45.9	5.2	306.
13.5	46.6	4584.6	575.0	-10.6	-14.7	82.7	3.4	-3.4	-0.4	307.6	314.0	2.1	72.1	5.5	306.
14.8	49.2	4925.6	550.0	-12.8	-14.5	47.9	3.1	-2.3	-2.1	309.1	316.0	2.3	85.6	5.6	301.
16.2	52.0	5279.4	525.0	-14.8	-16.3	43.4	4.4	-3.0	-3.2	311.8	317.3	1.8	70.7	5.6	298.
17.6	55.0	5646.6	500.0	-15.4	-23.1	47.2	6.3	-4.6	-4.3	314.3	318.1	1.2	51.4	5.8	295.
18.7	58.0	6028.0	475.0	-16.4	-23.9	49.9	6.1	-4.6	-3.9	315.2	319.0	1.2	61.6	6.0	293.
20.0	61.0	6424.3	450.0	-20.7	-26.2	74.1	3.3	-3.2	-0.9	317.3	320.5	1.6	60.9	6.2	287.
21.4	64.3	6835.2	425.0	-23.3	-28.9	180.8	4.5	0.1	4.5	319.2	321.9	0.8	69.0	6.2	287.
22.9	67.6	7305.5	400.0	-26.4	-31.2	202.6	12.2	4.7	11.3	320.9	323.3	0.7	62.2	6.2	294.
24.4	71.0	7756.3	375.0	-30.1	-35.9	197.9	18.6	5.7	17.7	321.8	323.4	0.5	56.6	6.5	305.
26.0	74.8	8252.4	350.0	-33.5	-39.5	199.2	24.4	8.8	23.0	323.6	324.9	0.3	54.4	7.5	322.
27.7	78.3	8766.7	325.0	-37.3	-43.9	206.9	26.1	12.6	22.8	325.3	326.2	0.2	49.6	9.1	337.
29.4	82.1	9315.9	300.0	-42.3	99.9	209.6	28.4	14.9	24.7	325.7	326.9	99.9	999.9	10.9	349.
31.4	86.2	9897.5	275.0	-46.9	99.9	208.2	30.9	14.6	27.3	327.3	999.9	99.9	999.9	13.4	357.
33.1	90.5	10521.7	250.0	-52.6	99.9	206.3	34.4	15.3	30.9	327.8	999.9	99.9	999.9	16.8	4.
35.0	95.0	11192.8	225.0	-58.9	99.9	206.7	34.1	15.3	30.5	328.2	999.9	99.9	999.9	20.6	8.
37.1	100.0	11920.1	200.0	-65.4	99.9	210.3	32.0	16.2	27.7	329.2	999.9	99.9	999.9	24.8	11.
39.4	105.3	12721.3	175.0	-68.1	99.9	223.6	34.9	24.1	25.2	337.6	999.9	99.9	999.9	29.7	15.
42.7	111.6	13606.6	150.0	-61.4	99.9	250.5	21.8	20.5	7.3	364.3	999.9	99.9	999.9	33.6	21.
45.1	117.5	14806.7	125.0	-58.7	99.9	255.8	13.5	13.1	3.3	388.8	999.9	99.9	999.9	35.5	29.
46.5	124.8	16159.6	100.0	-60.7	99.9	261.6	11.7	11.6	1.7	410.5	999.9	99.9	999.9	37.1	29.
54.6	133.0	17992.7	75.0	-60.5	99.9	281.9	8.3	8.1	-1.7	446.0	999.9	99.9	999.9	38.9	32.
61.7	142.7	20523.0	50.0	-56.9	99.9	258.0	3.3	3.3	0.7	504.7	999.9	99.9	999.9	39.6	35.
72.5	153.0	24941.0	25.0	-51.6	99.9	194.9	2.8	0.7	2.7	636.3	999.9	99.9	999.9	40.2	36.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

2 MAY 1978
2010 GMT

156 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	268.0	988.1	15.6	-2.8	130.0	5.1	-3.9	3.3	289.8	298.4	3.1	28.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.5	380.6	975.0	13.4	-4.4	999.9	999.9	99.9	99.9	288.6	296.4	2.8	28.6	999.9	999.
1.0	10.8	598.0	950.0	11.0	-5.3	999.9	999.9	99.9	99.9	288.4	295.9	2.7	31.4	999.9	999.
1.7	13.1	819.4	925.0	8.8	-6.1	999.9	999.9	99.9	99.9	288.3	295.6	2.6	34.4	999.9	999.
2.6	15.4	1045.1	900.0	6.5	-6.8	999.9	999.9	99.9	99.9	288.2	295.3	2.6	38.1	999.9	999.
3.5	17.7	1275.3	875.0	4.4	-6.8	999.9	999.9	99.9	99.9	288.4	295.7	2.6	44.0	1.5	245.
4.3	20.1	1510.3	850.0	2.1	-6.6	72.0	6.7	-6.3	-2.1	288.4	296.0	2.7	52.2	1.8	247.
5.2	22.5	1750.7	825.0	-0.1	-7.4	74.2	6.4	-6.2	-1.7	288.5	295.9	2.7	57.8	2.1	248.
6.2	25.0	1996.6	800.0	-2.6	-9.5	77.2	7.3	-7.1	-1.6	288.4	294.9	2.3	58.7	2.5	249.
7.1	27.4	2247.7	775.0	-2.7	-21.5	96.5	8.3	-8.2	0.9	290.9	294.0	1.0	27.3	2.9	251.
8.1	29.9	2506.7	750.0	-1.2	-33.0	82.1	5.8	-5.8	-0.8	295.3	296.3	0.3	6.7	3.4	255.
9.2	32.4	2780.2	725.0	0.7	-32.8	47.7	3.4	-2.5	-2.3	300.3	301.4	0.3	5.9	3.6	254.
10.2	35.0	3062.0	700.0	1.7	-30.4	31.1	1.6	-0.8	-1.4	304.4	305.8	0.4	7.0	3.7	253.
11.3	37.7	3354.1	675.0	0.2	-28.7	49.3	1.6	-1.2	-1.0	305.9	307.7	0.5	9.2	3.8	252.
12.4	40.3	3655.3	650.0	-1.9	-27.5	66.6	2.2	-2.0	-0.9	306.9	308.8	0.6	12.0	3.9	252.
13.7	43.0	3965.8	625.0	-3.7	-27.6	68.9	2.0	-1.9	-0.7	308.2	310.3	0.6	13.5	4.1	252.
15.1	45.9	4286.4	600.0	-6.6	-28.8	87.6	2.0	-2.0	-0.1	308.5	310.8	0.7	18.2	4.3	252.
16.4	48.8	4617.7	575.0	-8.5	-20.4	205.6	1.1	0.5	1.0	310.0	314.5	1.4	40.5	4.3	252.
17.6	51.6	4960.9	550.0	-10.8	-19.8	277.3	3.2	3.2	-0.4	311.3	315.9	1.5	47.5	4.2	252.
19.0	54.6	5317.8	525.0	-12.2	-27.5	281.9	6.7	6.5	-1.4	313.8	316.3	0.8	26.6	3.9	249.
20.6	57.8	5689.2	500.0	-14.5	-33.2	285.3	8.2	7.9	-2.2	315.3	316.9	0.5	18.6	3.3	242.
21.6	60.9	6075.5	475.0	-17.0	-42.4	283.0	9.7	9.4	-2.2	316.9	317.6	0.2	9.0	2.8	231.
23.7	64.1	6476.4	450.0	-20.5	-45.8	285.4	11.5	11.0	-3.0	317.5	318.0	0.1	8.2	2.3	211.
25.4	67.4	6893.4	425.0	-24.3	-46.4	300.4	16.5	14.2	-8.3	318.2	318.7	0.1	10.5	2.6	177.
27.3	71.0	7337.7	400.0	-27.4	-49.1	303.8	17.0	14.2	-9.5	319.4	319.8	0.1	10.6	4.1	154.
29.0	74.6	7792.7	375.0	-31.6	-50.4	299.9	18.1	15.7	-9.0	319.8	320.2	0.1	13.4	5.6	145.
30.9	78.3	8282.3	350.0	-36.1	-53.8	297.1	19.8	17.6	-9.0	320.1	320.3	0.1	14.0	7.7	137.
32.5	82.2	8792.2	325.0	-39.9	99.9	291.0	21.8	20.3	-7.8	321.6	999.9	99.9	999.9	10.0	132.
34.7	86.2	9335.6	300.0	-42.5	99.9	271.9	28.0	28.0	-0.9	325.5	999.9	99.9	999.9	12.3	126.
36.9	90.5	9917.9	275.0	-47.1	99.9	257.2	34.1	33.2	7.6	327.0	999.9	99.9	999.9	15.7	115.
39.6	95.0	10540.2	250.0	-53.0	99.9	249.8	40.8	38.2	14.1	327.3	999.9	99.9	999.9	20.4	104.
42.5	99.8	11212.6	225.0	-58.1	99.9	247.9	45.1	41.8	17.0	329.4	999.9	99.9	999.9	26.9	94.
45.4	105.0	11943.2	200.0	-64.4	99.9	252.5	48.2	46.0	14.5	330.8	999.9	99.9	999.9	34.6	88.
48.3	110.5	12761.6	175.0	-63.5	99.9	271.8	32.4	32.4	-1.0	345.2	999.9	99.9	999.9	41.9	87.
51.7	116.5	13712.8	150.0	-60.0	99.9	273.9	19.4	19.4	-1.3	366.8	999.9	99.9	999.9	46.7	88.
55.6	123.3	14849.1	125.0	-59.4	99.9	267.5	17.5	17.5	0.8	387.5	999.9	99.9	999.9	51.0	88.
61.0	130.7	16238.1	100.0	-60.2	99.9	277.4	14.1	14.0	-1.8	411.4	999.9	99.9	999.9	56.1	88.
67.2	139.0	18034.5	75.0	-60.2	99.9	289.8	10.3	9.7	-3.5	446.7	999.9	99.9	999.9	59.7	89.
75.3	147.7	20576.3	50.0	-57.9	99.9	255.1	4.1	4.0	1.1	507.2	999.9	99.9	999.9	63.1	90.
88.3	156.7	25027.6	25.0	-51.0	99.9	288.1	5.6	5.4	-1.8	638.6	999.9	99.9	999.9	63.7	90.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

2 MAY 1978
2015 GMT

153 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	200.0	996.1	14.4	-7.6	40.0	4.1	-2.6	-3.1	287.9	293.9	2.2	21.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.8	380.2	975.0	12.4	-6.5	67.2	3.2	-3.0	-1.3	287.7	294.4	2.4	25.9	0.1	250.
1.1	11.1	566.8	950.0	10.2	-8.6	43.0	3.6	-2.4	-2.6	287.5	293.4	2.1	25.7	0.2	246.
1.8	13.4	817.5	925.0	7.7	-9.8	6.2	4.5	-0.5	-4.5	287.1	292.7	2.0	27.8	0.4	226.
2.9	15.6	1042.2	900.0	5.7	-11.3	356.5	5.2	0.3	-5.2	287.3	292.4	1.8	28.2	0.6	203.
4.2	18.0	1271.5	875.0	3.3	-11.9	358.8	5.0	0.1	-5.0	287.3	292.2	1.8	31.6	1.0	194.
5.5	20.4	1505.6	850.0	1.2	-13.1	347.7	5.3	1.1	-5.2	287.4	292.1	1.6	33.5	1.2	190.
6.9	22.7	1744.8	825.0	-0.8	-13.9	352.2	6.4	0.9	-6.3	287.7	292.3	1.6	36.4	1.5	186.
7.5	25.2	1990.0	800.0	-1.3	-20.5	355.7	6.1	0.5	-6.1	289.8	292.5	0.9	21.6	1.9	184.
8.3	27.7	2242.9	775.0	-1.9	-22.1	359.1	5.6	0.1	-5.6	291.8	294.3	0.8	19.4	2.3	182.
8.9	30.2	2502.5	750.0	-3.6	-23.6	2.9	6.5	-0.3	-6.4	292.6	294.9	0.8	19.5	2.6	182.
9.5	32.8	2770.2	725.0	-3.4	-24.9	10.4	7.4	-1.3	-7.3	295.8	297.9	0.7	17.8	3.0	183.
11.1	35.4	3049.1	700.0	-1.4	-22.1	20.1	8.6	-3.0	-8.1	300.9	303.8	0.9	18.8	3.6	185.
12.3	38.1	3337.8	675.0	-3.3	-18.9	17.1	9.5	-2.8	-9.1	301.9	305.8	1.3	28.6	4.2	187.
13.5	40.9	3635.5	650.0	-4.7	-19.3	9.4	9.6	-1.6	-9.5	303.7	307.6	1.3	30.0	4.9	188.
14.8	43.7	3943.8	625.0	-6.0	-21.2	2.6	10.7	-0.5	-.0.7	305.6	309.1	1.1	28.7	5.7	188.
16.3	46.5	4261.9	600.0	-8.5	-23.6	358.4	10.7	0.3	-10.6	306.3	309.3	0.9	28.2	6.5	187.
17.3	49.4	4590.3	575.0	-10.9	-26.7	0.9	10.5	-0.2	-10.4	307.3	309.7	0.7	25.7	7.3	186.
18.3	52.4	4931.2	550.0	-12.5	-28.8	2.0	11.1	-0.4	-11.1	309.3	311.4	0.6	24.9	8.1	186.
19.7	55.4	5284.8	525.0	-15.1	-31.5	351.9	10.5	1.5	-10.4	310.2	312.0	0.5	23.0	8.9	185.
21.1	58.5	5652.5	500.0	-16.9	-34.3	345.1	11.3	2.9	-10.9	312.4	313.8	0.4	20.4	9.7	183.
22.6	61.8	6035.1	475.0	-20.1	-36.2	336.6	12.2	4.4	-11.4	313.1	314.3	0.4	22.1	10.7	181.
24.0	65.0	6433.6	450.0	-23.8	-39.9	328.0	13.9	7.4	-11.8	313.4	314.3	0.3	20.8	11.6	179.
25.3	68.3	6848.8	425.0	-26.4	-42.1	318.1	15.6	10.4	-11.6	315.2	316.0	0.2	21.0	12.8	175.
27.5	71.9	7283.9	400.0	-29.9	-45.0	317.7	17.3	11.6	-12.8	316.1	316.7	0.2	21.2	14.3	171.
29.2	75.4	7740.5	375.0	-33.4	-41.7	311.3	18.1	13.6	-11.9	317.4	318.5	0.3	58.9	15.8	167.
30.9	79.2	8220.7	350.0	-37.8	-51.1	308.0	19.6	15.5	-12.1	317.8	318.2	0.1	22.9	17.4	163.
32.6	83.0	8726.6	325.0	-42.0	99.9	303.1	20.6	17.2	-11.2	318.7	999.9	99.9	999.9	19.1	159.
34.8	87.2	9264.3	300.0	-45.9	99.9	291.8	22.0	20.4	-8.2	320.7	999.9	99.9	999.9	21.0	155.
36.6	91.5	9839.3	275.0	-49.6	99.9	292.9	22.9	21.1	-8.9	323.4	999.9	99.9	999.9	23.1	150.
38.6	96.0	10456.2	250.0	-53.6	99.9	290.6	24.4	22.9	-8.6	326.4	999.9	99.9	999.9	25.7	146.
41.1	100.8	11125.6	225.0	-58.6	99.9	285.7	26.7	25.7	-7.2	328.7	999.9	99.9	999.9	28.4	142.
43.4	106.0	11855.8	200.0	-63.4	99.9	284.3	33.2	32.2	-8.2	332.3	999.9	99.9	999.9	32.0	136.
46.5	111.5	12661.3	175.0	-58.9	99.9	296.1	29.2	26.3	-12.8	352.7	999.9	99.9	999.9	37.4	132.
50.1	117.5	13649.0	150.0	-58.5	99.9	293.8	22.5	20.6	-9.1	369.4	999.9	99.9	999.9	42.4	131.
54.5	124.0	14794.0	125.0	-59.2	99.9	299.1	17.8	15.5	-8.6	387.9	999.9	99.9	999.9	47.1	129.
58.9	131.0	16202.2	100.0	-56.1	99.9	291.2	14.5	13.5	-5.2	415.4	999.9	99.9	999.9	51.5	128.
64.9	138.7	18012.2	75.0	-58.5	99.9	291.7	13.5	12.5	-5.0	450.2	999.9	99.9	999.9	56.2	126.
73.4	147.3	20568.2	50.0	-56.3	99.9	292.3	4.8	4.4	-1.8	510.8	999.9	99.9	999.9	60.0	126.
86.1	156.0	25050.3	25.0	-49.5	99.9	259.9	3.8	3.8	0.7	642.2	999.9	99.9	999.9	58.6	125.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553
OMAHA, NEBRASKA

2 MAY 1978
2000 GMT

1SZ 18. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.5	400.0	972.8	15.0	-6.5	100.0	3.6	-3.5	0.6	290.4	297.2	2.4	22.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.5	596.5	950.0	12.4	-8.3	86.4	4.3	-4.2	-0.3	289.7	295.8	2.2	22.9	0.1	320.
1.2	12.7	821.8	925.0	10.0	-9.3	94.2	4.7	-4.7	0.4	289.6	295.3	2.0	24.6	0.2	287.
1.9	14.9	1048.3	900.0	7.5	-9.3	96.4	4.9	-4.8	0.5	289.3	295.2	2.1	29.1	0.4	282.
2.6	17.3	1279.6	875.0	5.7	-9.2	104.1	4.2	-4.1	1.0	289.7	295.8	2.2	33.5	0.6	280.
3.1	19.5	1515.5	850.0	4.3	-9.2	113.0	3.9	-3.6	1.5	289.6	295.9	2.2	39.4	0.7	283.
3.6	21.9	1756.6	825.0	4.1	-9.4	106.3	3.8	-3.6	1.1	289.8	296.2	2.3	45.5	0.8	284.
4.1	24.3	2002.5	800.0	-1.6	-9.8	95.8	3.6	-3.6	0.4	289.5	295.9	2.3	53.4	1.0	284.
4.6	26.7	2254.8	775.0	-2.4	-33.7	120.5	4.4	-3.8	2.3	291.2	293.2	0.7	18.1	1.1	282.
5.6	29.2	2515.4	750.0	-1.5	-42.3	134.2	7.5	-5.4	5.3	295.0	295.4	0.1	2.6	1.4	289.
6.5	31.7	2785.6	725.0	-1.7	-42.4	126.8	8.7	-7.0	5.2	297.6	298.0	0.1	2.4	1.8	294.
7.6	34.3	3065.2	700.0	0.4	-41.9	114.4	8.8	-8.0	3.6	302.9	303.4	0.1	2.4	2.3	296.
8.7	36.9	3356.8	675.0	-0.0	-42.0	111.1	8.0	-7.4	2.9	305.6	306.1	0.1	2.5	2.9	295.
9.7	39.6	3657.8	650.0	-2.1	-39.7	108.9	6.9	-6.6	2.2	306.6	308.1	0.5	9.0	3.3	294.
10.8	42.3	3968.1	625.0	-4.1	-29.5	104.8	6.5	-6.3	1.7	307.8	309.5	0.5	11.7	3.8	293.
11.7	45.0	4288.1	600.0	-6.4	-29.3	105.8	5.6	-5.4	1.5	308.7	310.5	0.6	14.2	4.1	[illegible]
12.5	47.9	4619.2	575.0	-9.1	-31.3	99.5	4.5	-4.5	0.7	309.3	310.9	0.5	14.4	4.4	293.
14.0	50.9	4961.5	550.0	-11.7	-31.9	96.1	4.3	-4.2	0.5	310.2	311.8	0.5	16.8	4.7	291.
15.2	53.8	5316.3	525.0	-14.0	-33.9	83.7	4.4	-4.3	-0.5	311.6	313.0	0.4	16.6	5.0	290.
16.4	56.9	5685.7	500.0	-15.9	-36.2	83.9	5.2	-5.2	-0.6	313.7	314.6	0.3	12.5	5.3	289.
17.3	60.0	6069.9	475.0	-19.1	-40.6	84.9	3.9	-3.9	-0.4	314.3	315.1	0.2	12.9	5.6	287.
18.7	63.3	6470.1	450.0	-22.2	-43.2	85.9	3.2	-3.2	-0.2	315.3	316.0	0.2	12.7	5.8	286.
20.4	66.7	6886.9	425.0	-25.8	-45.9	133.3	1.5	-1.1	1.1	315.9	316.4	0.1	13.1	6.0	286.
21.5	70.1	7322.8	400.0	-29.3	-46.0	134.0	1.9	-1.4	1.3	316.9	317.5	0.2	17.9	6.1	287.
23.1	73.7	7780.3	375.0	-33.1	-49.8	65.2	1.8	-1.4	-0.7	317.8	318.2	0.1	16.7	6.2	287.
24.3	77.5	8261.8	350.0	-36.8	-44.4	312.1	4.6	3.4	-3.1	319.1	319.8	0.2	45.1	6.2	286.
25.9	81.3	8772.8	325.0	-39.0	-49.9	283.0	12.8	12.5	-2.9	323.0	323.4	0.1	30.1	5.4	286.
27.5	85.5	9316.3	300.0	-42.5	99.9	281.4	23.7	23.2	-4.7	325.4	999.9	99.9	999.9	3.6	287.
29.4	89.8	9899.6	275.0	-47.3	99.9	282.2	17.6	17.4	2.4	328.7	999.9	99.9	999.9	0.4	306.
31.5	94.3	10524.9	250.0	-50.9	99.9	237.8	47.7	40.4	25.4	330.4	999.9	99.9	999.9	2.0	18.
32.8	99.2	11194.1	225.0	-55.0	99.9	253.3	54.0	51.8	15.5	334.3	999.9	99.9	999.9	7.9	63.
35.6	104.4	11943.4	200.0	-62.3	99.9	253.7	44.6	42.8	12.5	334.1	999.9	99.9	999.9	15.4	68.
38.6	110.0	12757.1	175.0	-66.2	99.9	258.8	31.2	30.6	6.1	340.7	999.9	99.9	999.9	21.0	69.
41.1	116.3	13756.5	150.0	-60.8	99.9	303.1	42.8	35.9	-23.4	365.3	999.9	99.9	999.9	26.1	84.
45.3	123.0	14850.5	125.0	-57.8	99.9	284.2	12.5	12.1	-3.1	390.3	999.9	99.9	999.9	29.8	88.
49.7	130.7	16260.6	100.0	-56.8	99.9	284.1	12.3	12.0	-3.0	418.0	999.9	99.9	999.9	33.0	89.
55.0	138.7	18078.4	75.0	-58.7	99.9	280.2	8.7	8.5	-1.8	449.9	999.9	99.9	999.9	36.4	91.
62.3	147.5	20630.6	50.0	-55.1	99.9	239.1	5.1	4.4	2.6	513.7	999.9	99.9	999.9	39.8	91.
73.2	158.3	25104.4	25.0	-50.4	99.9	146.2	2.2	-1.2	1.8	640.8	999.9	99.9	999.9	39.3	92.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

2 MAY 1978
2015 GMT

151 12. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.5	847.8	920.1	12.2	-4.0	100.0	2.6	-2.6	0.5	292.2	300.9	3.1	32.0	0.0	C.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	15.3	1031.0	900.0	9.6	-6.0	171.1	5.2	-0.8	5.1	291.4	299.0	2.7	32.7	0.2	266.
1.1	17.5	1263.7	875.0	7.1	-7.5	153.6	4.6	-2.0	4.1	291.2	298.1	2.5	34.5	0.3	317.
1.9	19.8	1500.9	850.0	4.8	-8.0	127.1	3.8	-3.0	2.3	291.2	298.1	2.5	39.0	0.5	317.
2.9	22.2	1743.2	825.0	2.2	-8.2	115.6	4.8	-4.3	2.1	290.9	298.0	2.5	46.1	0.7	318.
3.9	24.5	1991.0	800.0	0.2	-12.4	118.9	3.8	-3.3	1.8	291.3	296.6	1.9	38.3	1.0	307.
4.8	27.0	2245.0	775.0	0.7	-25.6	120.9	4.2	-3.6	2.2	294.5	296.4	0.6	11.8	1.2	305.
5.8	29.4	2508.9	750.0	1.3	-25.2	134.3	4.3	-3.1	3.0	298.0	300.0	0.7	11.7	1.4	305.
6.8	31.9	2781.0	725.0	0.5	-25.7	134.3	4.8	-3.4	3.3	300.1	302.1	0.6	11.8	1.7	307.
7.8	34.5	3061.3	700.0	-1.5	-26.2	134.5	6.3	-4.5	4.4	300.9	302.9	0.6	13.0	2.0	308.
8.9	37.1	3350.0	675.0	-2.5	-27.0	146.9	7.2	-4.0	6.1	302.8	304.8	0.6	13.2	2.5	310.
10.1	39.7	3648.4	650.0	-4.6	-20.4	151.8	6.9	-3.3	6.1	303.7	307.5	1.2	29.3	3.0	314.
11.2	42.4	3956.6	625.0	-6.6	-10.4	155.9	5.3	-2.2	4.8	305.0	313.2	2.8	74.3	3.3	316.
12.2	45.1	4273.6	600.0	-9.3	-10.7	158.5	4.4	-1.6	4.1	305.4	313.7	2.8	89.2	3.6	318.
13.4	48.0	4602.2	575.0	-10.4	-13.6	158.0	5.8	-2.2	5.4	307.9	314.9	2.3	76.7	3.9	329.
14.6	50.9	4943.9	550.0	-12.0	-16.2	160.9	6.2	-2.0	5.8	309.9	315.9	2.0	70.7	4.4	321.
15.7	53.9	5296.5	525.0	-14.5	-18.7	157.9	5.4	-2.0	5.0	311.0	316.2	1.7	70.1	4.8	323.
17.2	56.5	5666.6	500.0	-16.6	-24.6	140.6	4.6	-2.9	3.6	312.8	316.4	1.1	54.7	5.2	324.
18.8	60.8	6050.7	475.0	-18.8	-27.0	120.2	3.5	-3.0	1.7	314.7	317.6	0.9	48.5	5.6	323.
20.1	63.3	6451.5	450.0	-21.7	-31.3	66.1	1.6	-1.5	-0.6	316.0	318.1	0.8	41.1	5.7	322.
21.4	66.6	6869.9	425.0	-25.1	-30.6	322.9	4.5	2.7	-3.6	316.9	318.2	0.4	32.9	5.6	322.
23.1	70.0	7307.0	400.0	-28.7	-41.3	324.0	8.8	5.2	-7.1	317.7	318.6	0.3	28.5	4.9	322.
24.7	73.7	7765.4	375.0	-32.6	-46.3	315.6	11.2	7.8	-8.0	318.4	319.0	0.2	24.0	4.0	321.
26.2	77.3	8246.8	350.0	-37.2	-50.1	301.4	14.9	12.7	-7.8	318.6	319.0	0.1	24.3	2.9	327.
27.5	81.3	8754.8	325.0	-41.0	99.9	288.5	17.9	17.0	-5.7	320.2	999.9	99.9	999.9	1.7	1.
28.8	85.3	9294.2	300.0	-44.8	99.9	273.7	24.5	24.5	-1.6	322.3	999.9	99.9	999.9	2.7	62.
31.5	89.7	9871.7	275.0	-48.1	99.9	252.2	30.3	28.8	9.3	325.5	999.9	99.9	999.9	6.0	74.
33.9	94.2	10492.6	250.0	-53.3	99.9	232.9	34.6	27.6	20.9	326.9	999.9	99.9	999.9	9.8	69.
36.1	99.2	11165.0	225.0	-57.6	99.9	220.6	38.8	25.2	29.5	330.3	999.9	99.9	999.9	14.4	61.
38.4	104.3	11904.4	200.0	-60.2	99.9	215.2	30.1	24.7	17.2	337.4	999.9	99.9	999.9	19.2	57.
40.8	110.0	12725.2	175.0	-64.0	99.9	252.9	18.4	17.6	5.4	344.4	999.9	99.9	999.9	22.6	58.
44.1	116.3	13664.5	150.0	-66.6	99.9	263.4	11.3	11.2	1.3	369.2	999.9	99.9	999.9	25.1	60.
48.1	123.0	14835.8	125.0	-67.4	99.9	262.1	9.3	9.2	1.3	391.1	999.9	99.9	999.9	27.3	62.
52.9	130.7	16251.8	100.0	-66.2	99.9	278.1	8.8	8.8	-1.2	419.1	999.9	99.9	999.9	29.8	64.
59.0	139.3	18067.7	75.0	-66.2	99.9	266.7	5.6	5.6	0.3	451.0	999.9	99.9	999.9	31.6	67.
66.6	148.7	20624.4	50.0	-66.8	99.9	306.2	4.5	3.7	-2.7	509.6	999.9	99.9	999.9	33.8	68.
78.2	158.0	25073.5	25.0	-61.5	99.9	999.9	999.9	99.9	99.9	636.7	999.9	99.9	999.9	33.8	69.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC, ALABAMA

2 MAY 1978
2016 GMT

159 27. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.3	140.0	992.0	19.3	0.8	340.0	2.6	0.9	-2.4	293.1	304.6	4.1	29.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	9.0	332.3	975.0	17.0	-3.6	19.0	2.1	-0.7	-2.0	292.3	300.7	3.0	24.1	0.4	205.
1.0	11.5	552.4	950.0	13.9	-3.9	20.2	5.7	-2.0	-5.3	291.3	299.6	3.0	28.9	0.6	200.
2.7	13.9	776.0	925.0	11.6	-3.9	20.2	6.4	-2.2	-6.0	291.1	299.7	3.1	33.6	1.0	230.
3.7	16.4	1003.9	900.0	8.7	-5.2	37.8	5.9	-3.6	-4.7	290.5	298.5	2.9	36.8	1.4	208.
4.7	18.9	1235.8	875.0	6.6	-6.5	60.1	5.3	-4.6	-2.7	290.6	298.7	2.9	41.8	1.7	208.
5.7	21.5	1473.7	850.0	6.9	-13.0	30.6	4.1	-2.1	-3.5	293.3	298.2	1.7	22.8	2.0	211.
6.6	24.0	1719.3	825.0	8.3	-21.8	294.1	5.5	5.0	-2.2	297.4	299.9	0.8	9.8	2.0	211.
7.5	26.7	1972.8	800.0	7.2	-23.4	281.9	7.9	7.7	-1.6	298.8	301.1	0.7	9.2	2.0	195.
8.4	29.3	2233.1	775.0	6.1	-25.9	283.0	6.8	6.6	-1.5	300.4	302.3	0.6	7.8	2.0	185.
9.4	32.0	2500.6	750.0	4.9	-26.9	309.5	5.3	4.1	-3.4	301.9	304.9	1.0	13.3	2.2	175.
10.3	34.8	2776.7	725.0	4.4	-26.3	298.2	10.6	9.4	-5.0	304.4	307.6	1.0	14.4	2.4	170.
11.6	37.6	3061.3	700.0	2.9	-22.2	277.3	17.2	17.1	-2.2	305.7	308.6	0.9	13.7	3.0	151.
12.5	40.3	3354.6	675.0	1.3	-16.1	287.6	15.2	14.5	-4.6	307.1	312.4	1.7	28.0	3.7	138.
13.4	43.3	3657.6	650.0	-0.2	-20.1	291.6	18.3	17.9	-6.7	308.7	312.5	1.2	20.7	4.8	132.
15.0	46.3	3970.5	625.0	-2.4	-20.6	293.5	21.5	20.2	-7.5	309.7	313.5	1.2	23.1	6.1	127.
16.1	49.3	4294.5	600.0	-4.8	-22.2	285.3	24.8	23.9	-6.6	310.6	314.0	1.1	24.0	7.6	124.
17.3	52.3	4629.1	575.0	-6.9	-19.3	277.7	26.0	25.8	-3.5	311.9	318.2	2.0	51.0	9.3	119.
18.3	55.4	4974.4	550.0	-9.3	-17.7	278.1	26.5	26.2	-3.7	313.0	318.5	1.7	50.6	11.1	115.
19.0	58.6	5329.6	525.0	-12.0	-19.6	282.7	26.5	25.8	-5.8	314.0	318.9	1.5	53.0	13.0	113.
21.1	61.9	5695.6	500.0	-15.0	-18.6	287.3	24.8	23.7	-7.4	314.7	320.3	1.8	73.9	15.1	112.
22.1	65.3	6072.2	475.0	-18.0	-22.2	289.4	25.4	24.0	-8.5	317.7	320.0	1.4	69.9	17.3	111.
24.0	68.8	6459.7	450.0	-20.4	-24.6	289.6	24.9	23.4	-8.3	317.6	321.3	1.2	69.4	19.4	111.
25.0	72.1	6859.8	425.0	-23.2	-27.7	289.8	25.0	23.6	-8.5	319.3	322.3	0.9	66.4	21.6	111.
27.1	75.9	7272.8	400.0	-26.7	-33.4	288.1	27.7	26.3	-8.6	320.2	322.8	0.8	70.7	24.1	111.
28.7	79.7	7813.2	375.0	-30.5	-33.7	285.8	31.4	30.2	-8.6	321.2	323.2	0.6	73.2	27.0	110.
30.5	83.7	8359.3	350.0	-34.0	-38.1	285.0	32.4	31.3	-8.4	323.0	324.4	0.4	65.6	30.2	110.
32.1	87.9	8819.1	325.0	-38.1	-42.7	284.7	34.8	33.6	-8.8	324.2	325.1	0.3	61.6	33.6	109.
33.9	9 ..	9361.2	300.0	-42.4	99.9	282.9	36.8	35.9	-8.2	325.8	999.9	99.9	999.9	37.5	109.
35.6	96.6	9941.1	275.0	-47.1	99.9	282.2	39.7	38.8	-8.4	327.0	999.9	99.9	999.9	41.8	108.
37.5	101.4	10567.3	250.0	-52.1	99.9	284.0	46.7	45.3	-11.3	328.6	999.9	99.9	999.9	47.0	106.
43.1	106.4	11242.1	225.0	-56.9	99.9	283.9	54.1	52.5	-13.0	331.3	999.9	99.9	999.9	53.8	107.
42.4	111.8	11981.4	200.0	-60.5	99.9	286.2	55.4	53.2	-15.5	337.0	999.9	99.9	999.9	60.9	107.
44.6	117.5	12807.6	175.0	-64.9	99.9	283.6	56.2*	54.7	-13.2	342.8	999.9	99.9	999.9	69.3	107.
47.3	123.8	13754.3	150.0	-62.7	99.9	283.7	41.0*	39.8	-9.7	362.1	999.9	99.9	999.9	78.7	106.
50.1	130.7	14863.0	125.0	-63.8	99.9	283.9	31.5*	30.5	-7.5	379.4	999.9	99.9	999.9	82.1	106.
54.1	138.3	16246.1	100.0	-63.1	99.9	302.7	28.1*	23.7	-15.2	405.9	999.9	99.9	999.9	89.8	106.
59.1	146.7	18032.8	75.0	-60.4	99.9	272.4	17.8*	17.8	-0.7	446.2	999.9	99.9	999.9	94.8	106.
66.0	156.3	20559.9	50.0	-57.8	99.9	245.2	34.1	31.0	14.3	507.3	999.9	99.9	999.9	181.4	106.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 53001
COLLEGE STATION, TEXAS

2 MAY 1978
2053 GMT

144 50. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.4	79.0	994.4	22.5	18.9	0.0	0.0	0.0	0.0	296.1	332.6	14.0	80.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.8	8.1	250.6	975.0	21.7	17.6	999.9	999.9	99.9	99.9	297.0	331.5	13.1	77.4	999.9	999.
1.6	10.3	476.5	950.0	19.9	17.9	999.9	999.9	99.9	99.9	297.4	333.5	13.8	88.4	999.9	999.
2.5	12.4	706.7	925.0	18.4	18.0	128.5	14.2	-11.1	8.8	298.2	335.6	14.2	97.3	1.7	285.
3.5	14.7	943.0	900.0	18.9	18.4	142.5	16.6	-10.1	13.1	301.0	340.7	15.0	96.9	2.6	297.
4.5	16.8	1185.9	875.0	17.8	17.3	147.6	14.8	-7.9	12.5	302.3	340.8	14.4	96.6	3.5	304.
5.5	19.3	1434.2	850.0	16.1	15.5	150.9	14.4	-7.0	12.6	303.0	338.6	13.2	96.3	4.3	309.
6.5	21.4	1688.8	825.0	15.1	14.5	155.8	12.5	-5.1	11.4	304.6	339.2	12.7	96.2	5.0	313.
7.5	23.9	1949.6	800.0	13.5	12.9	166.2	11.6	-2.8	11.3	305.5	337.7	11.8	96.2	5.6	316.
8.6	26.2	2216.4	775.0	12.0	-4.5	181.5	14.4	0.4	14.4	306.7	317.2	3.5	31.7	6.3	321.
9.6	28.7	2494.6	750.0	16.7	-4.1	187.5	14.7	1.9	14.6	314.7	326.1	3.8	23.8	7.0	326.
10.7	31.2	2781.6	725.0	13.5	-5.0	190.7	14.6	2.7	14.4	314.2	325.3	3.7	27.4	7.7	331.
11.8	33.9	3075.6	700.0	11.7	-11.3	194.2	14.5	3.6	14.0	315.5	322.7	2.3	18.7	8.4	335.
12.9	36.3	3378.6	675.0	10.1	-14.5	193.8	17.4	4.1	16.9	316.9	322.8	1.8	16.1	9.3	339.
14.1	39.0	3690.7	650.0	7.9	-19.2	198.7	16.4	5.3	15.5	317.9	322.1	1.3	12.5	10.3	344.
15.3	41.6	4011.9	625.0	4.3	-15.3	197.8	16.2	5.0	15.5	317.4	323.3	1.9	22.4	11.4	347.
16.5	44.5	4342.3	600.0	1.5	-14.0	195.5	17.2	4.6	16.6	317.8	324.7	2.2	30.5	12.6	350.
18.3	47.5	4683.6	575.0	-1.3	-11.2	191.8	17.1	3.5	16.7	318.5	327.3	2.8	46.9	14.0	353.
19.6	50.5	5036.2	550.0	-4.6	-7.7	191.0	18.2	3.5	17.9	318.7	330.7	3.9	79.6	15.3	354.
21..	53.5	5401.0	525.0	-7.5	-12.2	191.9	19.9	4.1	19.5	319.4	328.3	2.9	69.0	17.0	356.
22.7	56.4	5778.8	500.0	-10.7	-14.6	195.5	21.7	5.8	20.9	320.0	327.8	2.5	73.5	18.9	358.
24.4	59.8	6171.0	475.0	-14.0	-20.2	203.3	19.7	7.8	18.1	320.6	325.9	1.6	59.8	20.9	360.
26.1	63.1	6579.5	450.0	-16.7	-35.0	215.0	19.6	11.2	16.0	322.3	323.8	0.4	18.7	22.5	2.
27.8	66.3	7007.9	425.0	-18.4	-43.5	224.9	21.7	15.3	15.4	325.4	326.1	0.2	8.9	24.3	5.
29.7	70.0	7457.2	400.0	-22.1	-44.5	231.8	21.2	16.7	13.1	326.3	327.0	0.2	10.9	26.0	9.
31.5	73.5	7927.5	375.0	-26.3	-41.2	235.6	24.4	20.2	13.8	326.7	327.7	0.3	23.0	27.8	13.
33.3	77.5	8422.3	350.0	-30.4	-46.0	240.2	28.3	24.6	14.1	327.8	328.4	0.2	19.9	30.0	17.
35.4	81.4	8945.4	325.0	-34.0	-50.5	243.0	32.9	29.3	15.0	329.8	330.2	0.1	16.9	32.7	21.
37.6	85.6	9501.7	300.0	-37.8	-54.0	246.0	38.6	35.3	15.7	332.1	332.4	0.1	16.3	36.4	26.
40.3	90.0	10095.5	275.0	-42.0	99.9	249.0	41.4	38.6	14.9	334.4	999.9	99.9	999.9	40.7	32.
42.4	95.0	10735.6	250.0	-46.0	99.9	244.2	51.2	46.1	22.3	337.7	999.9	99.9	999.9	46.4	36.
44.7	99.8	11427.7	225.0	-51.9	99.9	250.2	45.7	43.0	15.5	338.9	999.9	99.9	999.9	53.1	40.
47.4	105.0	12182.7	200.0	-57.4	99.9	252.4	41.5	39.5	12.5	341.9	999.9	99.9	999.9	58.1	44.
50.3	110.8	13018.1	175.0	-61.7	99.9	241.4	39.5	34.7	18.9	348.0	999.9	99.9	999.9	65.3	46.
53.3	117.0	13958.9	150.0	-66.6	99.9	246.0	47.6	43.5	19.3	355.3	999.9	99.9	999.9	73.0	48.
57..	124.3	15070.5	125.0	-61.6	99.9	262.9	39.0*	38.7	4.8	383.4	999.9	99.9	999.9	82.5	51.
62.3	132.3	16438.6	100.0	-66.4	99.9	262.8	18.7*	18.5	2.4	399.6	999.9	99.9	999.9	90.0	54.
68.4	140.5	18206.4	75.0	-63.9	99.9	294.2	7.7	7.1	-3.2	439.0	999.9	99.9	999.9	92.3	55.
76.5	149.0	20718.9	50.0	-58.9	99.9	999.9	99.9	99.9	99.9	504.6	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

3 May 1978

0000 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

2 MAY 1978
2300 GMT

164 18. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.2	7.8	1009.5	22.7	21.3	190.0	2.6	0.5	2.6	295.1	338.5	16.1	92.0	0.0	0.
0.2	6.9	89.6	1000.0	21.9	20.8	182.9	3.5	0.2	3.5	295.1	335.5	15.7	93.3	0.1	5.
1.2	9.4	309.9	975.0	20.9	19.6	187.2	3.9	0.5	3.9	296.2	335.1	14.9	92.0	0.2	4.
1.9	11.8	535.6	950.0	21.6	17.2	206.5	4.5	2.0	4.0	299.2	334.0	13.2	76.0	0.4	8.
2.9	14.2	767.3	925.0	20.9	12.2	225.9	4.6	3.3	3.2	300.7	327.0	9.7	57.2	0.6	21.
3.7	16.6	1004.3	900.0	20.0	10.0	226.2	5.4	3.9	3.7	302.2	325.9	8.7	52.7	0.9	28.
4.4	19.1	1246.6	875.0	18.3	7.5	235.6	4.8	4.0	2.7	302.8	323.5	7.5	49.4	1.1	32.
5.5	21.6	1494.2	850.0	16.4	7.3	248.1	4.3	4.0	1.6	303.3	324.4	7.6	54.8	1.4	38.
6.6	24.2	1747.5	825.0	14.1	8.0	262.2	4.2	4.2	0.6	303.5	326.2	8.2	67.0	1.6	44.
7.5	26.8	2006.9	800.0	12.6	5.0	274.9	3.9	3.9	-0.3	304.5	323.9	6.9	60.3	1.8	50.
8.5	29.4	2272.9	775.0	10.8	5.5	263.2	4.4	4.4	0.5	305.5	326.1	7.4	69.7	1.9	54.
9.7	32.1	2546.1	750.0	9.5	4.4	251.8	7.3	6.9	2.3	306.9	327.3	7.2	72.5	2.3	58.
10.6	34.8	2827.1	725.0	8.9	-17.4	254.6	8.9	8.5	2.4	309.2	313.5	1.4	13.9	2.8	60.
11.9	37.6	3117.1	700.0	8.6	-44.7	263.5	9.5	9.4	1.1	312.0	312.4	0.1	1.0	3.4	64.
12.9	40.4	3416.1	675.0	6.7	-45.8	267.1	9.9	9.9	0.5	313.2	313.5	0.1	1.0	4.0	67.
14.0	43.3	3723.8	650.0	3.7	-47.7	266.9	11.4	11.4	0.6	313.1	313.4	0.1	1.0	4.6	70.
15.1	46.3	4040.4	625.0	1.3	-31.5	273.3	12.7	12.7	-0.7	313.9	315.6	0.5	7.3	5.4	73.
16.3	49.3	4367.1	600.0	-1.5	-11.3	283.7	14.5	14.1	-3.4	314.3	322.6	2.7	47.3	6.3	77.
17.5	52.4	4705.0	575.0	-3.8	-11.5	288.0	16.4	15.6	-5.1	315.5	324.1	2.8	55.3	7.3	81.
19.0	55.4	5054.2	550.0	-7.0	-14.9	284.2	18.7	18.1	-4.6	315.7	322.6	2.2	53.4	8.6	86.
20.2	58.5	5415.3	525.0	-9.9	-22.7	284.3	18.7	18.1	-4.6	316.6	320.4	1.2	34.1	10.0	88.
21.6	61.8	5790.2	500.0	-11.5	-55.3	288.2	18.4	17.5	-5.8	319.0	319.2	0.0	1.4	11.5	90.
23.0	65.1	6181.2	475.0	-14.2	-54.0	293.4	17.1	15.7	-6.8	320.3	320.5	0.0	1.0	12.9	93.
24.5	68.7	6589.1	450.0	-17.2	-53.9	288.8	17.7	16.7	-5.7	321.6	321.9	0.1	2.7	14.3	95.
26.0	72.3	7015.0	425.0	-20.0	-62.6	284.2	18.4	17.9	-4.5	323.4	323.5	0.0	1.0	16.0	96.
27.5	76.0	7461.9	400.0	-23.0	-64.6	281.4	19.3	18.9	-3.8	325.1	325.2	0.0	1.0	17.6	97.
29.1	79.8	7931.7	375.0	-26.1	-66.6	280.6	22.1	21.7	-4.1	327.1	327.1	0.0	1.0	19.6	97.
30.9	83.8	8427.0	350.0	-30.1	-69.2	278.7	23.5	23.2	-3.6	328.2	328.2	0.0	1.0	22.1	97.
32.8	88.0	8949.8	325.0	-34.3	-72.0	278.9	22.6	22.4	-3.5	329.4	329.4	0.0	1.0	24.7	97.
35.0	92.3	9504.8	300.0	-38.9	-75.0	277.2	24.3	24.1	-3.0	330.6	330.6	0.0	1.0	27.7	97.
37.4	97.0	10096.1	275.0	-42.7	99.9	282.4	28.3	27.6	-6.1	333.4	999.9	99.9	999.9	31.4	98.
39.8	101.8	10732.1	250.0	-47.1	99.9	294.5	35.2	32.0	-14.6	336.0	999.9	99.9	999.9	35.8	99.
42.4	107.0	11424.1	225.0	-51.6	99.9	289.9	37.5	35.3	-12.7	339.4	999.9	99.9	999.9	41.5	101.
44.6	112.5	12180.1	200.0	-56.8	99.9	282.2	38.9	38.0	-8.2	342.8	999.9	99.9	999.9	47.3	102.
47.4	118.5	13013.8	175.0	-63.1	99.9	279.8	43.2	42.6	-7.3	345.8	999.9	99.9	999.9	53.1	102.
50.4	124.8	13991.9	150.0	-69.9	99.9	278.0	55.6	55.0	-7.8	356.6	999.9	99.9	999.9	62.0	101.
53.9	132.0	15035.5	125.0	-73.0	99.9	279.7	52.0	51.2	-8.7	362.8	999.9	99.9	999.9	74.3	101.
58.7	140.0	16355.7	100.0	-66.6	99.9	275.1	26.5	26.4	-2.4	399.0	999.9	99.9	999.9	84.6	100.
64.7	148.3	18107.5	75.0	-67.1	99.9	286.6	13.6	13.0	-3.9	432.4	999.9	99.9	999.9	91.6	101.
73.4	157.3	20562.1	50.0	-62.9	99.9	251.7	7.0	6.7	2.2	495.3	999.9	99.9	999.9	98.1	100.
87.8	166.3	25005.1	25.0	-51.5	99.9	187.3	4.1	0.5	4.1	637.1	999.9	99.9	999.9	97.9	100.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 229
CENTERVILLE, ALABAMA

2 MAY 1978
2300 GMT

156 14. 1

ANGLES GN THE HALF MINUTE HAVE EEEA LINEARLY INTERPOLATED FROM WNGLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.8	140.6	994.6	21.3	7.2	50.0	4.1	-3.1	-2.6	294.9	312.2	6.4	40.6	0.8	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	7.4	312.1	975.0	20.1	6.7	999.9	999.9	99.9	99.9	295.4	312.5	6.3	41.8	999.9	999.
1.5	9.5	535.4	950.0	18.1	6.8	999.9	999.9	99.9	99.9	295.5	313.3	6.6	47.7	999.9	999.
2.4	11.6	762.8	925.0	15.8	5.9	999.9	999.9	99.9	99.9	295.5	312.6	6.3	51.8	999.9	999.
3.3	13.8	994.6	900.0	13.5	5.1	999.9	999.9	99.9	99.9	295.5	312.2	6.2	56.8	999.9	999.
4.3	16.0	1231.0	875.0	11.4	4.7	999.9	999.9	99.9	99.9	295.7	312.3	6.1	63.1	999.9	999.
5.3	18.2	1472.9	850.0	10.6	-0.8	999.9	999.9	99.9	99.9	297.2	309.2	4.3	45.8	999.9	999.
6.2	20.5	1722.7	825.0	12.3	-2.1	999.9	999.9	99.9	99.9	301.	313.0	4.0	36.7	999.9	999.
7.1	22.7	1980.3	800.0	11.0	4.8	999.9	999.9	99.9	99.9	302.9	321.8	6.8	65.5	999.9	999.
8.1	25.1	2245.0	775.0	9.6	3.4	999.9	999.9	99.9	99.9	304.1	321.9	6.3	65.5	999.9	999.
9.2	27.4	2516.9	750.0	7.5	1.5	999.9	999.9	99.9	99.9	305.8	321.3	5.8	66.7	999.9	999.
10.2	29.9	2795.6	725.0	6.4	-9.5	999.9	999.9	99.9	99.9	306.5	313.9	2.5	29.9	999.9	999.
11.3	32.3	3082.8	700.0	4.8	-11.5	279.4	9.6	9.5	-1.6	307.8	314.7	2.3	29.4	2.3	104.
12.5	34.7	3378.7	675.0	3.2	-5.9	283.0	11.9	11.6	-2.7	309.3	320.1	3.6	51.0	3.8	103.
13.5	37.3	3684.8	650.0	1.5	-7.1	276.1	15.1	15.0	-1.6	310.7	321.1	3.5	52.6	3.9	103.
14.6	39.9	3999.0	625.0	-0.5	-7.9	273.1	18.4	18.4	-1.0	311.8	322.0	3.4	57.4	5.1	100.
16.0	42.6	4324.4	600.0	-2.9	-12.2	276.8	20.9	20.8	-2.5	312.8	320.8	2.6	50.3	6.6	99.
17.2	45.3	4660.3	575.0	-5.5	-14.5	277.8	21.6	21.4	-3.0	313.5	320.2	2.2	49.8	8.2	99.
18.4	48.1	5007.4	550.0	-8.3	-20.8	277.4	21.0	20.8	-2.7	314.2	318.5	1.3	35.8	9.7	99.
19.8	51.0	5367.2	525.0	-9.7	-23.3	275.2	22.1	22.0	-2.0	316.7	320.4	1.1	31.8	11.5	98.
21.1	53.9	5741.7	500.0	-12.8	-21.5	277.3	22.7	22.5	-2.9	317.5	322.0	1.4	48.2	13.2	98.
22.5	57.0	6131.0	475.0	-15.1	-32.0	279.0	23.0	22.7	-3.6	319.3	321.2	0.5	21.9	15.1	98.
24.0	60.1	6537.4	450.0	-18.4	-29.8	278.6	23.4	23.2	-3.5	320.1	322.5	0.7	35.9	17.2	98.
25.5	63.4	6961.4	425.0	-21.7	-35.5	279.1	22.6	22.3	-3.6	321.2	322.8	0.4	27.5	19.4	98.
27.1	66.7	7405.4	400.0	-24.5	-43.4	278.9	27.7	27.3	-4.3	323.2	323.9	0.2	15.4	21.4	98.
28.7	70.3	7871.8	375.0	-28.3	-39.3	277.4	35.1	34.8	-4.5	324.2	325.3	0.3	33.5	24.9	98.
30.4	73.9	8363.1	350.0	-31.8	-41.2	274.8	31.7	31.6	-2.7	325.9	327.0	0.3	38.7	28.3	98.
32.5	77.7	8882.7	325.0	-36.1	-39.8	274.9	31.8	31.7	-2.7	326.9	328.3	0.4	68.6	32.0	98.
34.4	81.7	9433.8	300.0	-40.1	99.9	272.9	34.8	34.8	-1.8	328.9	999.9	99.9	999.9	35.9	97.
36.6	85.8	10023.1	275.0	-43.5	99.9	273.8	35.7	35.6	-1.8	332.3	999.9	99.9	999.9	40.5	97.
38.7	90.2	10655.7	250.0	-49.6	99.9	274.4	31.8	31.7	-2.4	332.4	999.9	99.9	999.9	44.7	96.
41.2	95.0	11337.7	225.0	-54.8	99.9	276.2	39.3	39.1	-4.3	334.6	999.9	99.9	999.9	49.7	96.
43.9	100.2	12083.9	200.0	-59.1	99.9	275.4	41.1	40.9	-3.9	339.2	999.9	99.9	999.9	56.3	96.
46.7	105.8	12911.0	175.0	-64.1	99.9	271.3	48.1	48.1	-1.1	344.2	999.9	99.9	999.9	63.8	96.
49.9	112.0	13844.9	150.0	-67.0	99.9	278.0	42.1	41.7	-5.8	354.6	999.9	99.9	999.9	72.5	95.
53.6	118.8	14950.7	125.0	-64.9	99.9	275.6	34.0*	33.8	-3.3	377.5	999.9	99.9	999.9	81.3	96.
58.2	126.7	16316.6	100.0	-64.8	99.9	280.4	24.0**	23.7	-4.3	402.6	999.9	99.9	999.9	88.9	96.
64.0	135.7	18089.8	75.0	-63.6	99.9	286.5	13.0	12.5	-3.7	439.6	999.9	99.9	999.9	94.9	96.
71.6	145.5	20590.4	50.0	-56.7	99.9	256.7	7.6	7.4	1.8	502.8	999.9	99.9	999.9	98.6	97.
84.0	155.7	25057.9	25.0	-47.9	99.9	158.2	5.4	-2.0	5.0	647.3	999.9	99.9	999.9	101.1	96.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

2 MAY 1978
2300 GMT

171 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.3	1.0	1006.6	24.4	22.5	110.0	7.1	-6.7	2.4	297.0	341.9	17.3	89.0	0.0	0.
0.4	5.0	56.8	1000.0	22.8	21.4	999.9	99.9	99.9	99.9	296.8	338.1	16.3	91.5	999.9	999.
1.1	7.1	280.3	975.0	22.6	21.6	999.9	999.9	99.9	99.9	297.9	342.2	17.0	94.5	999.9	999.
2.0	9.6	507.2	950.0	21.1	20.1	999.9	999.9	99.9	99.9	298.6	340.1	15.8	94.1	1.1	312.
2.9	11.8	738.6	925.0	19.9	18.9	157.3	11.7	-4.5	10.8	299.7	339.4	15.1	94.0	1.6	321.
3.8	14.3	975.3	900.0	18.4	17.3	156.8	12.3	-4.9	11.3	300.5	337.7	14.0	93.3	2.2	325.
4.7	16.6	1217.7	875.0	17.8	15.9	160.7	12.6	-4.2	11.8	302.3	337.5	13.1	88.6	2.9	328.
5.5	19.2	1465.5	850.0	15.3	13.2	165.3	11.8	-3.0	11.4	302.2	333.0	11.4	87.4	3.5	331.
6.4	21.6	1719.1	825.0	15.4	6.7	172.4	11.2	-1.5	11.1	304.8	328.8	7.5	56.5	4.1	333.
7.2	24.3	1980.1	800.0	14.6	6.8	181.5	9.7	0.3	9.7	306.8	328.6	7.8	59.2	4.6	336.
8.3	26.8	2246.4	775.0	13.3	7.2	200.4	8.3	2.9	7.7	308.1	331.4	8.3	66.9	5.1	339.
9.4	29.6	2524.0	750.0	11.8	6.5	220.5	8.8	5.7	6.7	309.1	332.2	8.1	71.0	5.4	344.
10.5	32.4	2807.3	725.0	9.9	4.6	234.5	10.4	8.5	6.1	310.3	331.4	7.4	69.7	5.6	350.
11.6	35.2	3098.4	700.0	8.9	-2.3	231.1	12.1	9.4	7.6	312.4	326.8	4.9	47.5	6.0	356.
12.9	38.0	3393.4	675.0	6.9	-15.5	225.9	13.1	9.4	9.1	313.4	318.7	1.7	18.4	6.7	3.
14.1	40.8	3706.8	650.0	4.2	-19.3	221.6	14.1	9.4	10.6	313.7	317.8	1.3	16.0	7.5	8.
15.4	43.8	4024.3	625.0	2.0	-30.6	222.1	14.4	9.7	10.7	314.7	316.0	0.5	6.8	8.4	12.
16.7	47.0	4352.0	600.0	-0.3	-31.0	224.7	14.7	10.4	10.5	315.8	317.4	0.5	7.6	9.4	16.
18.0	50.2	4690.6	575.0	-3.3	-19.4	227.1	15.4	11.3	10.5	316.2	320.8	1.4	27.4	10.4	19.
19.5	53.3	5040.1	550.0	-6.3	-22.4	232.5	16.3	12.9	9.9	316.6	320.5	1.2	27.4	11.7	23.
21.1	56.5	5401.7	525.0	-9.5	-23.7	235.0	16.5	13.5	9.5	317.0	320.5	1.1	30.5	13.1	26.
22.7	60.0	5776.6	500.0	-11.8	-57.4	238.1	14.6	12.4	7.7	318.7	318.8	0.0	1.0	14.4	29.
24.3	63.7	6167.4	475.0	-14.8	-59.3	239.2	14.3	12.3	7.3	319.7	319.8	0.0	1.0	15.5	32.
25.9	67.2	6573.6	450.0	-16.5	-61.7	240.6	16.7	14.5	8.2	320.0	320.1	0.0	1.0	16.8	34.
27.7	70.9	6996.9	425.0	-21.6	-63.7	248.0	20.4	18.9	7.6	321.3	321.3	0.0	1.0	18.7	37.
29.5	74.9	7441.1	400.0	-24.1	-48.2	259.6	22.0	21.6	4.0	323.7	324.3	0.1	10.3	21.0	42.
32.0	79.0	7909.7	375.0	-26.7	-43.8	266.4	22.6	22.5	1.4	326.2	327.0	0.2	17.9	23.2	46.
33.7	83.2	8404.5	350.0	-29.6	-65.1	272.6	25.7	25.6	-1.2	328.8	329.0	0.0	3.9	25.0	50.
35.7	87.4	8927.9	325.0	-33.9	-41.4	280.3	27.7	27.2	-5.0	329.9	331.1	0.3	46.8	27.2	55.
37.7	92.2	9484.6	300.0	-38.0	-41.8	284.0	27.4	26.6	-6.6	331.9	333.0	0.3	66.6	29.6	60.
40.2	97.0	10078.1	275.0	-42.9	99.9	284.0	32.2	31.3	-7.8	333.0	999.9	99.9	999.9	32.6	65.
42.1	102.0	10714.0	250.0	-46.7	99.9	279.0	44.2	43.6	-6.9	336.7	999.9	99.9	999.9	36.3	69.
45.4	107.8	11403.7	225.0	-53.0	99.9	276.9	50.2	49.9	-6.1	337.3	999.9	99.9	999.9	44.9	75.
48.2	113.5	12151.6	200.0	-59.8	99.9	276.1	47.1	46.9	-5.0	338.1	999.9	99.9	999.9	52.8	78.
51.4	120.0	12973.9	175.0	-65.9	99.9	274.1	53.0	52.9	-3.8	341.2	999.9	99.9	999.9	61.5	81.
55.0	127.0	13898.8	150.0	-69.5	99.9	266.0	58.5	58.4	-4.1	350.3	999.9	99.9	999.9	73.1	82.
59.4	134.7	14973.3	125.0	-72.6	99.9	269.6	48.6*	48.6	0.3	363.5	999.9	99.9	999.9	89.1	83.
64.0	142.0	16287.6	100.0	-67.8	99.9	268.1	24.2*	24.2	0.8	396.8	999.9	99.9	999.9	98.6	84.
71.5	150.7	18017.6	75.0	-66.9	99.9	313.0	10.2*	7.5	-7.0	432.6	999.9	99.9	999.9	104.0	85.
81.8	160.0	20486.5	50.0	-63.9	99.9	244.9	5.4	4.9	2.3	492.9	999.9	99.9	999.9	106.0	85.
95.5	170.0	24513.0	25.0	-48.7	99.9	198.1	3.3	1.0	3.2	644.5	999.9	99.9	999.9	104.4	84.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

2 MAY 1978
2300 GMT

156 14- 8

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	100.0	997.8	19.0	11.1	40.0	4.2	-2.7	-3.2	292.3	314.3	8.3	60.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.8	6.6	298.8	975.0	17.9	10.4	52.0	9.6	-7.6	-5.9	293.2	314.8	8.2	61.4	0.4	225.
1.6	10.5	520.6	950.0	16.1	9.8	64.8	9.7	-8.8	-4.1	293.5	314.9	8.1	66.4	0.9	231.
2.4	12.5	747.0	925.0	14.2	9.8	77.6	9.3	-9.1	-2.0	293.9	315.8	8.3	74.9	1.3	238.
3.2	14.6	976.8	900.0	14.6	13.7	89.2	8.3	-8.3	-0.1	296.5	325.7	11.0	94.4	1.7	244.
4.2	16.7	1217.8	875.0	13.9	13.4	94.8	6.9	-6.9	0.6	298.2	327.9	11.2	97.0	2.1	249.
5.1	18.8	1462.5	850.0	12.7	12.1	117.4	6.0	-5.3	2.8	299.4	327.6	10.5	96.3	2.4	255.
6.2	21.0	1714.0	825.0	12.7	11.5	133.6	4.8	-3.5	3.3	302.1	330.3	10.4	92.1	2.6	260.
7.2	23.2	1972.3	800.0	10.9	10.1	152.3	5.5	-2.6	4.9	302.7	329.4	9.8	94.9	2.8	266.
8.2	25.5	2237.3	775.0	9.8	8.7	182.6	6.0	0.3	6.0	304.3	325.7	9.2	93.1	2.9	272.
9.3	27.7	2510.0	750.0	8.9	7.8	226.5	7.9	5.7	5.4	306.2	331.0	8.9	92.8	2.7	280.
10.5	30.1	2790.6	725.0	6.9	5.3	236.9	10.5	8.8	5.7	307.0	328.9	7.8	89.7	2.3	292.
11.7	32.5	3079.0	700.0	5.5	2.8	239.8	11.4	9.8	5.7	308.6	327.8	6.7	83.6	1.9	313.
12.9	34.9	3375.9	675.0	3.7	-1.5	234.3	13.8	11.2	8.0	309.8	324.6	5.1	68.9	1.9	339.
14.1	37.4	3682.3	650.0	2.2	-3.1	239.2	15.5	13.3	7.9	311.4	325.3	4.7	68.2	2.2	359.
15.1	39.9	3998.1	625.0	-0.2	-5.3	252.6	18.4	17.6	5.5	312.2	324.6	4.1	68.6	2.9	22.
16.4	42.5	4324.4	600.0	-2.4	-8.5	258.0	19.5	19.1	4.1	313.4	323.6	3.4	62.7	4.1	41.
17.9	45.1	4661.8	575.0	-5.1	-10.2	255.5	18.6	18.0	4.7	314.0	323.4	3.1	67.*	5.4	51.
19.5	47.8	5008.4	550.0	-8.2	-10.1	254.3	19.5	18.9	5.3	314.4	324.3	3.2	86.1	7.1	57.
21.1	50.6	5368.1	525.0	-10.5	-26.5	254.3	21.5	20.7	5.8	315.8	319.5	1.2	36.1	9.1	61.
22.8	53.4	5742.9	500.0	-11.8	-42.1	253.2	23.8	22.9	6.9	318.7	319.4	0.2	6.2	11.3	63.
24..	56.3	6133.4	475.0	-.4.6	-47.1	251.6	26.5	25.1	8.3	319.9	320.3	0.1	4.5	13.6	65.
25.7	59.2	6540.8	450.0	-17.3	-53.2	250.5	25.3	23.8	8.4	321.6	321.8	0.1	2.6	15.8	66.
27.1	62.3	6967.0	425.0	-19.8	-54.1	247.0	24.7	22.8	9.7	323.7	323.9	0.1	2.9	17.9	66.
28.8	65.5	7413.5	400.0	-23.2	-60.9	246.4	24.4	22.4	9.8	324.8	324.9	0.0	1.9	20.3	66.
30.5	68.8	7883.3	375.0	-26.0	-58.7	245.6	24.7	22.4	10.2	327.2	327.3	0.0	3.7	22.7	66.
32..	72.3	8378.8	350.0	-30.2	-58.8	246.7	25.3	23.3	10.0	328.0	328.1	0.0	4.2	25.7	66.
34.2	75.9	8901.1	325.0	-35.0	-58.6	252.9	26.2	25.1	7.7	328.4	328.*	0.0	6.9	28.5	66.
36.2	79.7	9453.7	300.0	-39.3	-59.4	262.0	31.5	31.2	4.4	330.0	330.2	0.0	9.6	31.7	67.
38.2	83.7	10045.4	275.0	-43.1	99.9	269.0	35.4	35.4	0.6	332.8	999.9	99.9	999.9	35.8	70.
40.6	88.0	10675.5	250.0	-49.2	99.9	267.9	39.4	39.4	1.5	333.0	999.9	99.9	999.9	40.6	72.
43.1	92.5	11362.0	225.0	-54.4	99.9	265.0	43.6	43.4	3.8	335.1	999.9	99.9	999.9	47.1	74.
46.0	97.4	12107.7	200.0	-59.6	99.9	263.3	42.3	42.1	4.9	338.4	999.9	99.9	999.9	54.5	75.
48.6	102.8	12932.1	175.0	-65.1	99.9	250.6	42.3	39.8	14.1	342.5	999.9	99.9	999.9	60.9	76.
52.1	108.8	13860.6	150.0	-69.5	99.9	255.9	49.2	47.7	12.0	350.4	999.9	99.9	999.9	70.2	75.
55.8	115.3	14861.3	125.0	-67.9	99.9	272.8	36.7	36.6	-1.8	372.0	999.9	99.9	999.9	80.3	76.
60.6	123.0	16303.4	100.0	-66.3	99.9	274.8	31.3*	31.2	-2.6	399.7	999.9	99.9	999.9	87.5	78.
66.1	132.0	18086.6	75.0	-61.8	99.9	316.7	10.1	6.9	-7.3	439.2	999.9	99.9	999.9	94.4	79.
73.4	143.0	20559.2	50.0	-62.6	99.9	345.7	4.2	1.0	-4.1	495.9	999.9	99.9	999.9	95.5	80.
85.6	155.5	24664.5	25.0	-49.3	99.9	194.6	5.5	1.4	5.3	643.1	999.9	99.9	999.9	98.1	88.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

2 MAY 1978
2300 GMT

56 664. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.1	5.0	1002.8	23.9	17.9	60.0	8.7	-7.5	-4.3	296.8	330.9	13.0	69.0	0.0	0.
0.1	6.4	30.5	1000.0	23.8	18.3	62.1	9.2	-8.1	-4.3	296.9	332.0	13.4	71.3	0.1	327.
0.8	8.5	251.7	975.0	21.2	18.4	70.0	11.5	-10.8	-3.9	296.5	332.6	13.8	83.8	0.6	247.
1.6	10.6	476.8	950.0	19.4	18.4	83.0	15.1	-15.0	-1.8	296.9	334.1	14.2	94.2	1.2	251.
2.5	12.7	707.0	925.0	18.9	18.3	107.0	16.4	-15.7	4.8	298.6	336.8	14.5	96.4	2.0	260.
3.5	14.9	943.0	900.0	17.8	17.2	124.3	17.3	-14.3	9.8	299.9	336.8	13.9	96.2	2.8	273.
4.5	17.2	1184.4	875.0	16.0	15.2	131.8	17.2	-12.8	11.5	300.4	333.9	12.5	94.7	3.8	282.
5.6	19.5	1431.1	850.0	14.2	13.6	145.7	16.3	-9.2	13.4	301.0	332.4	11.7	96.4	4.8	291.
6.8	21.8	1684.5	825.0	16.0	14.8	154.3	14.1	-6.1	12.7	305.5	341.0	13.0	92.7	5.5	298.
7.9	24.2	1946.7	800.0	15.0	10.2	162.2	15.3	-4.7	14.5	307.2	334.5	9.8	72.7	6.3	303.
8.9	26.6	2215.8	775.0	14.0	6.3	179.8	16.5	-0.1	16.5	308.9	333.9	7.8	59.8	7.0	309.
10.0	29.0	2491.5	750.0	11.8	8.1	187.5	15.7	2.1	15.6	309.4	331.0	9.1	77.9	7.7	316.
11.1	31.5	2775.6	725.0	11.0	-9.3	197.3	12.8	3.8	12.3	311.6	321.4	3.3	29.1	8.3	321.
12.4	34.1	3067.7	700.0	10.6	-43.4	205.9	13.0	5.7	11.7	314.2	314.7	0.1	1.0	8.7	327.
13.6	36.7	3369.2	675.0	8.9	-44.4	198.0	16.0	5.0	15.3	315.7	316.1	0.1	1.0	9.4	332.
15.0	39.3	3679.6	650.0	6.2	-17.7	201.3	17.3	6.3	16.1	316.0	320.7	1.5	16.1	10.3	338.
16.4	42.0	3998.9	625.0	3.1	-13.3	200.7	16.9	6.0	15.8	316.0	322.9	2.2	28.8	11.4	343.
18.0	44.8	4328.2	600.0	0.9	-49.4	200.7	16.0	5.7	15.0	317.2	317.5	0.1	1.0	12.7	347.
19.5	47.6	4667.8	575.0	-1.9	-51.2	202.3	14.2	5.4	13.2	317.8	318.0	0.1	1.0	13.5	350.
21.4	50.5	5019.2	550.0	-4.9	-38.9	213.3	13.9	7.6	11.6	318.3	319.3	0.3	6.4	15.2	354.
22.9	53.5	5382.4	525.0	-8.4	-24.0	223.7	14.3	9.9	10.3	318.3	321.8	1.0	27.2	16.0	357.
24.7	56.5	5756.6	500.0	-12.0	-20.1	224.1	16.5	11.5	11.8	318.4	323.4	1.5	50.9	17.2	1.
27.3	59.6	6145.1	475.0	-14.7	-17.1	999.9	99.9	99.9	99.9	319.8	326.6	2.1	81.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

2 MAY 1978
2300 GMT

164 15. 0

TIME MIN	CNTCY	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.8	124.0	992.9	25.6	6.3	73.9	7.1	-6.7	-2.4	289.3	305.4	6.1	54.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	9.2	278.1	975.0	24.0	6.9	71.7	9.5	-9.0	-3.0	289.2	306.1	6.4	62.4	3.4	269.
1.7	11.2	456.7	955.0	22.2	6.9	73.9	11.5	-11.1	-3.4	289.6	307.0	6.6	70.2	6.9	250.
2.5	13.2	715.6	925.0	19.4	7.6	85.2	14.9	-14.9	-1.2	289.9	309.0	7.3	84.9	1.6	253.
3.3	15.3	948.2	900.0	19.9	10.1	138.8	17.5	-16.6	5.7	292.7	315.9	8.8	95.2	2.4	261.
4.2	17.4	1187.1	875.0	15.7	15.5	138.5	14.6	-9.9	11.1	300.2	336.4	12.8	98.7	3.2	272.
5.2	19.6	1433.5	850.0	14.9	14.8	149.7	13.1	-6.6	11.3	301.8	335.7	12.4	99.1	3.7	282.
6.2	21.9	1687.0	825.0	15.5	13.4	154.2	12.9	-5.6	11.7	302.9	334.8	11.8	99.4	4.2	291.
7.2	24.1	1946.4	800.0	11.8	11.7	150.5	13.3	-6.9	11.5	303.7	333.5	10.9	99.7	4.8	297.
8.2	26.3	2212.7	775.0	10.2	10.1	150.6	11.8	-5.8	10.3	304.8	332.6	10.1	99.9	5.5	302.
9.2	28.6	2485.8	750.0	8.5	8.1	150.5	11.2	-5.5	9.7	305.8	331.8	9.1	97.2	6.3	305.
10.2	31.0	2765.7	725.0	6.9	5.6	163.4	10.8	-3.1	10.4	307.0	330.8	8.5	98.0	6.9	308.
11.3	33.4	3053.5	700.0	4.5	-2.4	186.5	10.9	1.1	10.8	307.4	329.3	6.4	58.9	7.4	312.
12.3	35.9	3351.1	675.0	5.6	-5.9	189.9	13.5	2.3	13.3	311.2	322.9	3.9	48.5	7.8	318.
13.4	38.4	3657.1	650.0	2.7	-13.9	191.4	16.7	3.2	15.9	312.1	318.3	2.0	28.2	8.5	322.
14.5	41.0	3974.5	625.0	2.4	-46.5	196.5	17.4	4.8	16.7	315.2	315.5	0.1	1.8	9.1	328.
15.6	43.6	4303.5	600.0	-9.2	-55.1	197.7	18.8	5.7	17.9	315.5	316.2	0.1	1.0	10.1	333.
17.0	46.3	4645.1	575.0	-2.9	-5.8	202.1	19.5	7.3	18.0	316.6	316.8	0.1	1.0	11.0	338.
18.1	49.0	4997.6	550.0	-3.7	-35.3	200.7	20.3	7.1	19.2	317.3	318.5	0.3	7.5	12.2	343.
19.3	51.8	5363.6	525.0	-9.7	-25.7	201.6	21.9	8.1	20.4	317.4	320.4	0.9	23.7	13.6	348.
20.6	54.6	5738.6	500.0	-12.3	-20.8	207.9	22.6	10.6	20.0	318.1	322.8	1.5	49.0	15.1	352.
21.9	57.5	6128.5	475.0	-10.9	-17.8	210.6	23.1	11.7	19.9	318.2	322.8	1.4	65.3	16.6	356.
23.2	60.4	6532.8	450.0	-13.8	-15.6	214.4	23.5	13.3	19.4	319.6	325.4	1.8	93.4	18.2	359.
24.7	63.6	6948.2	425.0	-20.3	-53.1	222.6	22.2	15.0	16.3	323.0	323.3	0.1	5.1	19.9	3.
26.3	66.8	7378.6	400.0	-23.3	-63.7	229.5	22.3	17.0	14.5	324.7	324.8	0.0	1.2	21.5	7.
28.1	70.5	7826.6	375.0	-27.2	-54.3	238.5	23.6	20.1	12.3	325.7	326.0	0.1	7.1	23.2	12.
30.0	74.9	8296.9	350.0	-30.7	-64..	246.0	26.5	24.2	10.8	327.4	327.6	0.0	3.8	25.3	17.
32.2	79.9	8787.7	325.0	-34.9	-61.7	254.3	30.2	29.1	8.2	328.4	328.8	0.0	4.5	27.4	23.
34.7	85.8	9312.6	300.0	-38.9	-63.5	259.7	36.0	36.1	12.0	330.5	330.6	0.0	5.5	30.3	29.
37.4	92.0	9873.1	275.0	-43.6	-99.9	252.0	45.1	42.9	13.9	332.1	999.9	99.9	999.9	34.0	35.
39.9	97.9	10457.0	250.0	-48.2	-99.9	254.4	46.7	45.0	12.4	334.5	999.9	99.9	999.9	36.4	41.
42.5	103.4	11.3 2.8	225.0	-53.7	-99.9	253.1	47.5	45.5	13.8	336.2	999.9	99.9	999.9	45.2	45.
44.9	108.2	12033.7	200.0	-59.2	-99.9	254.2	46.7	41.5	16.2	339.1	999.9	99.9	999.9	52.8	49.
47.5	112.5	12594.7	175.0	-64.4	-99.9	247.7	36.3	33.5	13.7	343.6	999.9	99.9	999.9	57.4	52.
50.2	116.3	13200.3	150.0	-66.4	-99.9	250.5	43.8	40.6	16.3	345.8	999.9	99.9	999.9	64.8	53.
52.6	119.5	13856.3	125.0	-62.3	-99.9	261.3	25.6	24.3	3.9	348.4	999.9	99.9	999.9	73.5	56.
55.5	122.7	14555.8	100.0	-64.1	-99.9	254.3	15.8	14.2	6.3	453.6	999.9	99.9	999.9	77.6	57.
59..	125.5	15255.6	75.0	-65.6	-99.9	299.2	9.8	5.2	-8.4	435.3	999.9	99.9	999.9	80.9	58.
73.6	135.0	25537.5	50.0	-69.7	-99.9	113.6	7.2	-6.5	3.1	504.4	999.9	99.9	999.9	81.8	59.
86.7	144.5	29639.8	25.0	-69.2	-99.9	55.5	1.1	-0.9	-0.6	643.2	999.9	99.9	999.9	82.8	60.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME MAY HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 256
VICTORIA, TEXAS

2 MAY 1978
2300 GMT

156 18. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	33.0	995.4	23.1	18.6	120.0	9.2	-8.0	4.6	296.7	332.6	13.7	76.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.5	214.3	975.0	22.1	21.0	110.3	11.0	-10.3	3.8	297.4	340.0	16.3	93.7	0.6	290.
1.2	10.9	440.5	950.0	21.0	19.9	108.9	13.3	-12.5	4.3	298.5	339.3	15.6	93.4	1.0	290.
2.0	13.3	671.8	925.0	19.6	18.5	112.4	13.4	-12.4	5.1	299.4	338.3	14.7	93.4	1.7	290.
2.8	15.8	908.2	900.0	18.4	17.2	125.2	11.3	-9.3	6.5	300.5	337.8	14.0	93.5	2.4	291.
3.7	18.2	1150.4	875.0	17.2	16.2	146.8	10.3	-5.6	8.6	301.7	337.6	13.4	93.5	2.8	296.
4.5	20.8	1398.4	850.0	16.1	15.1	164.5	8.5	-2.3	8.2	303.0	337.7	12.8	93.8	3.2	302.
5.4	23.3	1652.5	825.0	14.8	13.5	169.2	8.3	-1.5	8.2	304.0	336.3	11.9	93.3	3.5	307.
6.5	25.9	1912.7	800.0	12.9	11.8	171.7	7.7	-1.1	7.6	304.9	335.0	11.0	93.0	3.9	312.
7.6	28.6	2179.3	775.0	11.8	-27.1	177.5	7.7	-0.3	7.7	308.6	311.8	1.0	9.6	4.3	316.
8.7	31.2	2456.5	750.0	14.9	-11.6	200.5	9.8	3.4	9.2	312.8	319.4	2.1	15.0	4.7	322.
9.8	33.9	2741.9	725.0	13.5	-41.6	213.8	12.0	6.7	9.9	314.3	314.8	0.1	1.0	5.0	329.
10.8	36.7	3035.3	700.0	10.9	-43.2	219.1	13.9	8.8	10.8	314.6	315.0	0.1	1.0	5.3	337.
11.9	39.4	3336.5	675.0	8.3	-44.8	228.9	14.4	10.9	9.5	314.9	315.3	0.1	1.0	5.8	346.
13.1	42.3	3646.1	650.0	5.5	-46.6	234.3	15.6	12.7	9.1	315.2	315.5	0.1	1.0	6.3	355.
14.3	45.3	3965.0	625.0	3.2	-47.9	236.5	16.5	13.7	9.3	316.2	316.5	0.1	1.0	6.9	3.
15.5	48.2	4293.8	600.0	0.6	-49.6	231.8	17.6	13.8	10.9	316.8	317.1	0.1	1.0	7.7	10.
16.7	51.3	4633.6	575.0	-1.2	-50.7	231.7	18.2	14.3	11.3	317.6	318.9	0.1	1.0	8.8	16.
17.9	54.3	4984.6	550.0	-4.4	-52.7	233.9	19.5	15.8	11.5	318.9	319.1	0.1	1.0	9.9	21.
19.3	57.5	5350.2	525.0	-7.2	-54.5	238.0	22.8	19.4	12.1	319.7	319.9	0.0	1.0	11.3	26.
20.7	60.7	5728.9	500.0	-9.2	-55.8	230.5	24.3	18.7	15.5	321.8	322.0	0.0	1.0	13.1	30.
22.1	64.1	6122.8	475.0	-12.8	-56.0	223.2	21.7	14.9	15.8	322.1	322.3	0.0	1.0	15.0	32.
23.5	67.5	6532.4	450.0	-16.4	-54.5	225.4	22.8	16.2	16.0	322.6	322.8	0.0	2.1	16.8	33.
25.1	71.0	6959.8	425.0	-19.1	-62.1	231.8	25.4	20.0	15.7	324.4	324.5	0.0	1.0	19.8	35.
26.8	74.7	7406.6	400.0	-22.2	-64.1	232.4	26.7	21.2	16.3	326.1	326.2	0.0	1.0	21.2	37.
28.2	78.4	7878.5	375.0	-26.3	-66.8	233.4	31.1	24.9	18.5	326.8	326.8	0.0	1.0	23.9	39.
29.9	82.3	8373.8	350.0	-29.8	-69.0	234.3	36.2	30.8	19.0	328.6	328.7	0.0	1.0	27.2	41.
31.8	86.3	8898.0	325.0	-33.5	-71.5	240.5	40.8	35.5	20.1	330.5	330.5	0.0	1.0	31.4	44.
33.8	90.5	9456.0	300.0	-37.0	-73.8	242.2	44.7	39.6	20.8	333.3	333.3	0.0	1.0	36.4	46.
36.0	95.0	10051.1	275.0	-41.5	99.9	245.0	49.7	45.1	21.0	335.1	999.9	99.9	999.9	42.3	49.
38.2	99.8	10692.8	250.0	-45.8	99.9	246.3	52.4	47.8	21.0	338.1	999.9	99.9	999.9	49.0	51.
40.5	104.6	11385.7	225.0	-51.9	99.9	248.0	44.5	41.3	16.7	338.9	999.9	99.9	999.9	55.5	53.
43.0	109.8	12137.4	200.0	-58.2	99.9	251.1	45.6	43.6	13.3	340.5	999.9	99.9	999.9	61.9	55.
45.7	115.4	12967.8	175.0	-64.7	99.9	252.6	44.4	42.4	13.3	346.4	999.9	99.9	999.9	69.1	57.
48.7	121.4	13902.1	150.0	-69.9	99.9	246.5	56.6*	51.9	22.6	349.7	999.9	99.9	999.9	77.6	58.
52.7	128.0	15021.9	125.0	-65.8	99.9	253.9	45.3*	43.5	12.6	375.9	999.9	99.9	999.9	90.7	60.
56.7	135.0	16356.9	100.0	-67.8	99.9	263.8	24.7*	24.6	2.7	396.7	999.9	99.9	999.9	98.8	61.
62.1	142.7	18097.7	75.0	-66.7	99.9	283.5	11.2*	10.9	-2.6	433.2	999.9	99.9	999.9	102.9	62.
69.1	150.3	20550.6	50.0	-64.2	99.9	257.6	4.2	4.1	0.9	497.0	999.9	99.9	999.9	104.6	63.
81.3	158.7	25043.8	25.0	-49.8	99.9	61.3	9.0	-7.9	-4.3	642.0	999.9	99.9	999.9	104.8	63.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

2 MAY 1978
2300 GMT

SS 441. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	100.2	395.6	960.2	11.8	11.8	350.0	11.2	1.9	-11.0	288.0	310.6	8.5	99.9	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	101.1	408.8	950.0	10.8	9.8	356.5	7.0	0.4	-7.0	288.1	308.7	7.8	92.6	0.3	166.
1.0	13.5	710.5	925.0	8.7	7.9	0.7	6.6	-0.1	-6.6	288.3	307.1	7.3	94.3	0.5	172.
1.8	15.8	936.5	900.0	7.0	6.9	17.6	6.3	-1.9	-6.0	288.8	307.8	7.8	101.7	0.8	177.
2.5	18.1	1165.3	875.0	5.6	4.4	56.0	5.7	-4.7	-3.2	289.6	306.5	6.9	92.8	1.0	185.
3.2	20.5	1405.8	850.0	5.2	4.7	107.8	7.6	-7.2	2.3	291.6	308.4	6.3	96.1	1.1	197.
3.9	23.0	1649.8	825.0	5.6	5.0	136.9	12.1	-8.3	8.9	294.5	312.4	6.6	95.9	1.0	229.
4.6	25.5	1913.7	800.0	9.0	8.4	151.3	13.2	-6.6	11.6	300.7	324.5	8.7	95.8	1.1	250.
5.4	28.0	2186.2	775.0	11.6	11.0	171.8	12.1	-1.7	12.0	306.3	335.9	10.7	95.9	1.3	288.
7.2	33.6	2443.5	750.0	9.0	8.3	188.1	11.0	1.6	10.9	306.3	331.9	9.2	95.3	1.9	322.
8.9	39.2	2720.1	725.0	6.8	6.0	168.5	10.8	1.7	10.7	307.0	329.8	8.2	94.5	2.7	340.
10.1	43.9	30.2.3	700.0	6.2	4.9	165.6	11.2	1.1	11.1	309.4	330.3	7.3	85.9	3.5	346.
11.2	48.6	3295.7	675.0	3.5	0.6	178.0	13.8	-0.5	13.8	309.6	326.7	6.8	81.4	4.2	349.
12.1	51.3	3615.6	650.0	1.0	-3.3	173.3	16.2	-1.5	16.0	310.1	323.6	4.6	72.7	5.0	350.
13.4	54.1	3915.5	625.0	-1.4	-4.0	166.6	17.5	-3.5	17.0	310.9	324.3	4.6	82.4	6.2	352.
14.5	56.9	4213.4	600.0	-4.2	-5.6	170.9	17.1	-2.7	16.8	311.2	323.5	4.1	88.6	7.6	354.
15.6	59.6	4509.3	575.0	-3.3	-4.9	188.7	16.8	2.6	16.6	310.1	330.1	4.6	88.6	9.5	351.
16.5	62.8	4561.3	550.0	-6.5	-8.3	201.4	17.2	6.3	16.0	310.3	327.7	3.7	87.2	11.5	356.
21.3	75.8	5113.7	525.0	-10.1	-11.9	999.9	999.9	99.9	99.9	316.3	325.4	2.9	87.0	13.9	356.
21.7	76.0	5178.3	500.0	-12.2	-14.0	999.9	999.9	99.9	99.9	318.2	326.3	2.6	86.6	999.9	999.
23.1	82.1	5479.2	475.0	-13.3	-15.2	999.9	999.9	99.9	99.9	321.6	329.4	2.5	85.1	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

2 MAY 1978
2300 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

149 16. 1

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.3	314.0	963.4	21.8	17.2	360.0	6.2	0.0	-6.2	298.1	332.3	12.9	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.4	436.1	950.0	21.7	16.1	999.9	999.9	99.9	99.9	299.3	331.9	12.3	70.4	999.9	999.
1.2	12.5	667.9	925.0	21.7	12.8	999.9	999.9	99.9	99.9	301.5	328.9	10.1	57.2	999.9	999.
2.2	14.8	905.4	900.0	20.3	11.5	999.9	999.9	99.9	99.9	302.8	328.5	9.5	56.7	999.9	999.
3.2	17.0	1148.0	875.0	18.2	10.6	340.1	15.0	5.1	-14.1	302.7	328.0	9.3	61.2	1.8	164.
4.1	19.3	1396.1	850.0	16.5	9.8	343.0	12.2	3.6	-11.7	303.4	328.1	9.0	64.6	2.7	162.
5.0	21.5	1646.9	825.0	14.5	9.4	337.3	8.4	3.3	-7.8	303.9	328.8	9.0	71.6	3.5	162.
6.0	23.9	1909.4	800.0	12.4	8.4	308.9	4.9	3.8	-3.1	304.4	328.6	8.7	76.7	4.0	162.
6.8	26.2	2175.9	775.0	11.3	6.8	268.1	3.6	3.6	0.1	306.0	328.5	8.1	74.0	4.4	161.
7.8	28.6	2449.4	750.0	9.3	6.0	225.7	4.6	3.3	3.2	306.6	328.7	7.9	79.9	4.5	159.
8.6	31.1	2730.4	725.0	7.6	6.6	228.1	6.8	5.1	4.6	307.8	331.7	8.5	93.0	4.5	157.
9.5	33.6	3019.5	700.0	5.7	5.0	234.2	8.8	7.1	5.1	308.8	331.1	7.9	95.6	4.3	153.
10.5	36.1	3316.2	675.0	3.1	2.4	241.9	11.1	9.8	5.2	309.2	328.5	6.8	94.6	4.3	147.
11.7	38.7	3621.9	650.0	1.5	0.6	252.3	14.2	13.6	4.3	310.6	328.5	6.2	93.6	4.3	139.
12.7	41.3	3935.6	625.0	-2.4	-20.9	256.9	18.1	17.6	4.1	309.7	326.5	1.2	23.0	4.7	130.
13.6	44.0	4259.8	600.0	-2.9	-28.4	254.2	19.6	18.9	5.4	312.6	313.4	0.6	11.9	5.3	121.
14.9	46.8	4595.1	575.0	-5.5	-37.8	250.4	21.1	19.9	7.1	313.5	314.8	0.3	5.8	6.3	113.
16.1	49.6	4941.6	550.0	-8.5	-42.4	248.0	21.3	19.8	8.0	314.0	314.4	0.2	4.5	7.4	106.
17.6	52.5	5301.2	525.0	-10.0	-56.2	250.4	21.6	20.3	7.2	316.4	314.6	0.0	1.0	8.7	99.
18.9	55.5	5674.9	500.0	-13.3	-58.3	245.5	25.0	22.8	10.4	316.9	316.6	0.0	1.0	10.3	94.
20.1	58.6	6063.2	475.0	-16.6	-60.4	240.5	30.2	26.3	14.8	317.5	317.0	0.0	1.0	12.3	91.
21.6	61.8	6466.7	450.0	-18.7	-23.2	233.2	25.7	20.6	15.4	319.7	317.6	0.0	1.0	13.8	87.
24.4	65.0	6883.0	425.0	-18.7	-24.5	231.4	13.5	10.5	8.4	325.0	324.1	1.3	67.9	16.4	82.
26.2	68.4	7342.8	400.0	-21.5	-27.3	217.6	7.9	4.8	6.3	327.1	329.1	1.2	59.8	19.1	77.
27.6	72.0	7815.4	375.0	-25.0	-29.6	205.8	7.4	3.2	6.7	328.5	330.5	1.0	59.2	20.1	75.
29.2	75.6	8313.3	350.0	-28.9	-33.5	212.7	10.3	5.6	8.7	329.7	331.5	0.9	65.0	20.4	74.
31.7	79.5	8838.5	325.0	-34.1	-40.8	230.5	25.3	19.5	16.1	329.7	332.0	0.6	64.7	21.0	73.
34.0	83.5	9394.2	300.0	-38.6	-46.5	225.7	35.7	25.6	24.9	331.0	330.9	0.3	50.6	23.3	70.
35.9	87.7	9985.7	275.0	-43.4	99.9	223.7	41.7	28.8	30.1	332.3	331.8	0.2	42.4	27.3	67.
37.5	92.2	10622.9	250.0	-47.0	99.9	230.9	45.4	35.2	28.6	336.1	999.9	99.9	999.9	31.3	64.
39.7	96.8	11315.1	225.0	-51.1	99.9	241.8	48.0	42.3	22.7	340.2	999.9	99.9	999.9	35.1	62.
42.5	102.0	12066.9	200.0	-56.8	99.9	242.4	42.0	37.2	19.5	342.8	999.9	99.9	999.9	41.7	61.
44.6	107.5	12911.7	175.0	-58.5	99.9	229.3	35.6	27.0	23.2	353.4	999.9	99.9	999.9	49.3	62.
46.8	113.6	13873.7	150.0	-62.3	99.9	228.1	39.3	29.2	26.3	362.7	999.9	99.9	999.9	53.9	61.
50.4	120.3	14982.6	125.0	-66.9	99.9	239.5	37.9	32.7	19.3	373.9	999.9	99.9	999.9	58.9	60.
54.4	127.8	16339.4	100.0	-63.8	99.9	248.0	21.1	19.6	7.9	404.6	999.9	99.9	999.9	67.0	59.
60.3	136.0	18088.0	75.0	-66.1	99.9	293.7	5.4	4.9	-2.2	434.4	999.9	99.9	999.9	75.7	60.
68.7	144.7	20576.2	50.0	-60.8	99.9	329.9	5.6	2.8	-4.8	500.2	999.9	99.9	999.9	78.3	60.
77.3	153.7	24959.0	25.0	-51.0	99.9	235.0	1.0	0.8	0.6	638.3	999.9	99.9	999.9	78.5	61.
														78.6	62.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

2 MAY 1974
2300 GMT

132 66. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
.0	14.0	673.0	911.3	9.4	7.2	343.8	11.7	0.0	-11.7	290.2	308.6	7.8	86.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
.3	13.4	676.6	900.0	8.4	6.8	1.6	10.8	-0.3	-10.8	290.2	308.3	6.9	89.4	0.4	181.
1.2	17.7	1259.9	875.0	6.3	5.5	355.2	10.8	0.9	-10.8	290.4	307.6	6.5	94.6	0.9	181.
2.1	20.1	1446.7	850.0	6.3	2.5	324.6	12.5	7.2	-10.2	292.7	307.3	5.4	76.9	1.4	175.
2.9	22.5	1632.4	825.0	6.7	0.5	310.7	15.1	11.5	-9.9	295.6	308.9	4.8	64.9	2.0	161.
3.8	25.0	1544.3	800.0	4.6	-0.6	308.3	16.8	12.6	-9.9	296.1	308.8	4.6	69.1	2.7	152.
4.6	27.5	2202.6	775.0	2.8	-1.5	303.6	17.5	14.6	-9.7	296.9	309.2	4.4	73.3	3.6	146.
5.6	30.0	2467.1	750.0	0.4	-1.9	294.4	18.2	16.6	-7.5	297.3	309.7	4.5	83.2	4.4	140.
6.3	32.6	2739.1	725.0	-0.7	-3.6	282.8	19.9	19.4	-4.4	298.7	310.1	4.8	80.5	5.2	136.
7.3	35.2	3020.1	700.0	0.6	-4.8	252.2	17.1	16.3	5.2	303.1	312.7	5.3	57.5	6.0	128.
8.3	37.9	3311.8	675.0	-0.4	-9.9	235.6	18.4	15.2	10.4	305.2	313.1	2.7	48.6	6.4	120.
9.2	40.7	3612.7	650.0	-2.7	-11.4	220.7	16.8	12.7	10.6	305.9	313.3	2.5	51.8	6.8	112.
10.2	43.4	3922.9	625.0	-4.6	-13.4	218.5	18.5	11.5	14.5	307.2	313.7	2.2	50.1	7.3	104.
11.6	46.5	4242.5	600.0	-6.3	-14.8	209.1	23.5	11.4	20.5	308.8	315.0	2.0	51.8	8.0	92.
14.6	49.6	4573.9	575.0	-9.4	-18.3	205.3	27.7	11.8	25.0	309.0	313.9	1.6	48.0	9.0	80.
15.6	51.9	4915.8	550.0	-12.6	-24.5	203.6	28.4	11.3	26.1	309.4	311.9	0.8	29.6	10.1	72.
16.6	55.0	5268.8	525.0	-15.9	-24.1	202.1	27.5	10.4	25.5	309.3	312.6	1.0	48.9	11.4	65.
17.2	58.1	5630.5	500.0	-19.1	-25.3	205.9	27.2	11.9	24.5	309.7	312.9	1.0	58.2	12.9	59.
17.6	61.3	6004.4	475.0	-21.7	-26.1	211.4	25.2	13.1	21.5	311.1	314.2	0.9	67.2	14.6	55.
18.8	64.6	6419.2	450.0	-25.0	-27.7	212.4	24.7	13.2	20.8	311.9	313.0	0.3	29.9	16.5	53.
20.2	68.0	6823.4	425.0	-28.0	-27.8	214.5	27.8	15.8	22.9	313.2	313.3	0.0	4.3	18.6	53.
22.0	71.8	7255.5	400.0	-31.8	-53.9	215.1	29.2	16.8	23.9	313.7	314.0	0.1	9.2	21.5	48.
24.8	75.2	7709.3	375.0	-34.8	-54.4	213.9	27.8	15.5	23.1	315.5	315.7	0.0	9.8	24.5	47.
27.3	79.0	8195.9	350.0	-38.7	-60.5	216.0	24.3	14.3	19.7	316.6	316.7	0.0	7.9	28.9	45.
27.5	83.6	8691.0	325.0	-42.4	99.9	218.2	24.5	14.5	19.8	318.2	999.9	99.9	999.9	29.3	45.
25.8	87.2	9229.3	300.0	-45.6	99.9	216.4	25.8	14.8	20.1	321.1	999.9	99.9	999.9	31.9	44.
35.8	91.5	9784.2	275.0	-46.4	99.9	232.9	23.4	9.5	21.3	328.8	999.9	99.9	999.9	36.8	43.
31.1	96.2	10439.4	250.0	-48.3	99.9	258.6	28.2	13.5	24.7	337.2	999.9	99.9	999.9	38.1	41.
33.2	101.0	11136.2	225.0	-46.7	99.9	215.4	28.3	16.4	23.1	344.8	999.9	99.9	999.9	41.7	41.
37.8	106.6	11918.5	200.0	-49.6	99.9	213.5	22.9	12.7	19.1	354.2	999.9	99.9	999.9	45.7	40.
40.6	112.2	12775.7	175.0	-50.2	99.9	219.2	22.0	13.9	17.0	360.5	999.9	99.9	999.9	49.8	42.
44.1	118.5	13756.3	150.0	-57.5	99.9	207.9	24.1	11.3	21.3	371.0	999.9	99.9	999.9	53.5	39.
46.1	125.3	14937.4	125.0	-57.0	99.9	233.5	29.1	23.4	17.4	381.7	999.9	99.9	999.9	60.6	39.
52.8	133.0	16316.2	100.0	-58.5	99.9	267.3	15.9	15.9	0.7	412.7	999.9	99.9	999.9	86.2	41.
58.6	141.7	18093.7	75.0	-62.3	99.9	304.0	6.5	5.3	-3.8	442.2	999.9	99.9	999.9	69.7	44.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

2 MAY 1978
2300 GMT

153 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	180.0	994.0	17.0	1.0	20.0	2.6	-0.9	-2.4	290.7	302.0	4.2	34.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	9.1	343.8	975.0	14.9	0.9	24.0	4.1	-1.7	-3.7	290.2	301.6	4.2	38.5	0.2	215.
1.5	11.3	562.9	950.0	12.9	0.4	24.5	4.9	-2.0	-4.5	290.3	301.5	4.1	42.1	0.4	208.
2.3	13.5	785.9	925.0	10.5	-0.4	29.0	5.4	-2.6	-4.7	290.0	301.0	4.0	46.9	0.7	209.
3.1	15.7	1013.3	900.0	8.5	-0.6	12.4	5.7	-1.2	-5.6	290.3	301.4	4.1	52.7	1.0	207.
4.0	18.0	1245.3	875.0	6.4	-1.3	3.6	6.0	-0.4	-6.0	290.4	301.2	4.0	57.8	1.3	201.
4.9	20.3	1482.3	850.0	4.1	-2.7	15.1	5.4	-1.4	-5.2	290.5	300.6	3.7	61.1	1.6	198.
5.9	22.6	1724.8	825.0	3.5	-10.9	45.9	2.9	-2.1	-2.0	292.4	298.2	2.0	34.2	1.8	199.
6.8	25.0	1974.4	800.0	3.5	-14.5	184.3	0.9	0.1	0.9	294.8	299.4	1.6	25.5	1.9	200.
7.8	27.4	2232.0	775.0	3.3	-17.2	256.5	2.7	2.6	0.6	297.4	301.2	1.3	20.5	1.8	198.
8.9	29.9	2497.2	750.0	2.5	-21.3	290.0	4.5	4.2	-1.5	299.3	302.2	0.9	15.3	1.8	191.
10.0	32.4	2771.1	725.0	2.3	-22.4	294.0	5.9	5.4	-2.4	302.0	304.7	0.9	13.9	1.9	181.
11.0	35.0	3053.8	700.0	1.1	-24.5	294.2	7.6	7.0	-3.1	303.7	306.1	0.7	12.7	2.1	170.
12.2	37.6	3345.5	675.0	0.2	-26.6	300.8	11.6	10.0	-5.9	305.9	308.0	0.6	11.1	2.5	159.
13.4	40.2	3647.5	650.0	-0.8	-26.1	299.1	15.8	13.8	-7.7	308.1	310.4	0.7	12.5	3.4	148.
14.6	42.9	3959.4	625.0	-2.6	-26.8	294.2	17.1	15.6	-7.0	309.5	311.7	0.7	13.5	4.5	143.
15.9	45.7	4281.8	600.0	-4.8	-27.2	292.4	17.8	16.5	-6.8	310.6	312.9	0.7	15.3	5.8	134.
17.3	48.4	4614.9	575.0	-7.4	-28.6	292.1	18.3	17.0	-6.9	311.4	313.4	0.6	16.3	7.2	129.
18.5	51.3	4959.5	550.0	-10.1	-30.3	292.4	19.4	17.9	-7.4	312.1	316.5	1.4	43.1	8.5	126.
19.9	54.2	5316.5	525.0	-12.8	-23.1	290.9	20.9	19.5	-7.5	313.1	316.8	1.1	41.6	10.1	124.
21.3	57.1	5687.2	500.0	-14.6	-28.7	287.7	22.8	21.7	-6.9	315.0	317.4	0.7	29.6	11.9	122.
22.9	60.3	6073.4	475.0	-17.7	-30.0	287.0	24.7	23.7	-7.2	316.1	318.4	0.7	33.1	14.1	119.
24.5	63.4	6476.6	450.0	-19.9	-41.0	289.3	26.5	25.0	-8.7	318.2	319.0	0.2	13.2	16.6	118.
26.3	66.6	6897.5	425.0	-23.5	-43.4	293.5	28.3	26.0	-11.3	318.8	319.5	0.2	14.0	19.5	117.
28.0	70.0	7337.9	400.0	-26.5	-45.9	291.6	31.2	29.0	-11.5	320.5	321.1	0.2	14.0	22.5	116.
29.9	73.6	7801.3	375.0	-29.6	-48.1	292.5	34.8	32.2	-13.3	322.4	322.9	0.1	14.5	26.2	116.
31.8	77.1	8290.2	350.0	-32.8	-48.6	293.0	38.9	35.8	-15.2	324.6	325.0	0.1	18.8	29.7	115.
33.5	81.0	8806.5	325.0	-37.8	-50.2	290.8	37.5	35.1	-13.3	324.6	325.1	0.1	25.6	34.3	115.
35.7	84.6	9352.4	300.0	-42.7	99.9	285.4	39.5	38.1	-10.5	325.1	999.9	99.9	999.9	39.3	114.
38.6	89.0	9933.6	275.0	-47.5	99.9	284.8	42.6	41.2	-10.9	326.5	999.9	99.9	999.9	46.4	113.
41.4	93.4	10557.8	250.0	-51.9	99.9	285.6	45.9	44.2	-12.4	328.9	999.9	99.9	999.9	53.9	111.
44.2	98.0	11232.2	225.0	-57.4	99.9	286.9	49.6*	47.5	-14.4	330.6	999.9	99.9	999.9	61.7	111.
47.0	103.0	11970.0	200.0	-61.0	99.9	294.6	48.4*	44.0	-20.1	336.1	999.9	99.9	999.9	70.3	111.
50.3	108.3	12788.9	175.0	-65.9	99.9	283.7	41.9*	40.7	-9.9	341.2	999.9	99.9	999.9	79.2	111.
54.4	114.0	13734.3	150.0	-61.6	99.9	278.3	34.8*	34.5	-5.0	364.0	999.9	99.9	999.9	88.1	110.
56.0	120.5	14867.3	125.0	-62.9	99.9	284.8	28.4**	27.4	-7.3	381.2	999.9	99.9	999.9	96.6	109.
64.8	127.5	16244.2	100.0	-61.1	99.9	284.0	22.2*	21.6	-5.4	409.7	999.9	99.9	999.9	105.6	109.
72.0	135.3	16033.7	75.0	-60.2	99.9	289.9	14.3*	13.4	-4.9	446.7	999.9	99.9	999.9	113.5	108.
81.6	144.0	20563.5	50.0	-58.9	99.9	273.6	7.1*	7.1	-0.4	506.6	999.9	99.9	999.9	118.8	108.
98.0	153.3	25039.7	25.0	-50.3	99.9	999.9	999.9	99.9	99.9	640.4	999.9	99.9	999.9	121.5	108.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

2 MAY 1978
2300 GMT

190 14. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	172.0	993.4	13.8	3.9	50.0	7.7	-5.9	-4.9	287.5	301.0	5.1	51.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.5	326.1	975.0	11.7	1.6	999.9	999.9	99.9	99.9	287.0	298.8	4.4	49.8	999.9	999.
1.7	10.7	545.6	950.0	9.6	1.1	999.9	999.9	99.9	99.9	287.0	298.6	4.4	55.1	999.9	999.
2.7	12.9	766.2	925.0	7.6	-0.3	60.4	14.1	-12.2	-7.0	287.1	298.0	4.1	57.4	2.1	236.
3.5	15.2	951.8	900.0	8.4	-8.7	75.6	11.4	-11.0	-2.8	290.2	296.9	2.4	31.6	2.7	236.
4.4	17.5	1225.1	875.0	9.4	-22.4	82.8	9.4	-9.3	-1.2	293.5	295.7	0.7	8.5	3.3	242.
5.2	19.8	1465.4	850.0	9.8	-19.1	94.0	7.1	-7.1	0.5	296.5	299.5	1.0	11.2	3.7	245.
6.2	22.2	1713.1	825.0	9.8	0.4	134.2	4.8	-3.4	3.3	299.0	312.4	4.8	51.8	3.9	249.
7.1	24.6	1968.9	800.0	9.4	0.4	191.0	4.8	0.9	4.7	301.1	315.1	5.0	53.8	3.9	252.
8.0	27.1	2231.9	775.0	8.5	1.4	227.9	5.6	4.1	3.8	302.9	318.3	5.5	60.9	3.7	255.
9.0	29.6	2502.9	750.0	6.9	2.4	239.0	5.3	4.6	2.7	304.1	321.3	6.1	72.8	3.3	256.
10.0	32.1	2780.8	725.0	5.1	0.6	238.1	4.8	4.1	2.6	305.0	320.8	5.5	72.9	3.0	258.
11.1	34.7	3067.3	700.0	4.0	-2.6	235.6	5.5	4.6	3.1	307.0	320.1	4.5	61.8	2.8	260.
12.3	37.3	3362.8	675.0	2.6	-3.4	234.9	6.9	5.6	3.9	308.6	321.5	4.4	64.5	2.4	265.
13.3	40.0	3667.1	650.0	0.4	-6.2	233.1	8.5	6.8	5.1	309.4	320.4	3.7	61.2	2.0	271.
14.3	42.8	3980.5	625.0	-1.4	-12.0	242.6	12.2	10.8	5.6	310.8	318.3	2.4	44.4	1.4	290.
15.7	45.6	4305.3	600.0	-3.7	-14.9	249.8	11.3	10.6	3.9	311.8	318.1	2.0	41.4	1.0	326.
17.0	48.4	4640.1	575.0	-5.9	-16.5	256.1	11.5	11.1	2.8	313.1	318.8	1.8	42.6	1.1	13.
18.3	51.4	4986.5	550.0	-8.4	-18.0	259.3	11.9	11.7	2.2	314.1	319.5	1.7	45.6	1.7	43.
19.6	54.3	5346.1	525.0	-11.3	-19.5	252.0	10.1	9.6	3.1	314.9	319.8	1.5	50.4	2.5	55.
20.9	57.4	5718.6	500.0	-14.2	-20.8	247.0	9.3	8.5	3.6	315.8	320.4	1.4	56.9	3.2	58.
22.4	60.5	6105.8	475.0	-17.4	-23.0	247.5	10.2	9.5	3.9	316.4	320.5	1.3	61.4	4.1	60.
23.9	63.7	6508.0	450.0	-21.3	-24.2	249.7	12.8	12.0	4.4	316.5	320.2	1.1	72.0	5.0	61.
25.2	67.0	6926.9	425.0	-24.8	-26.8	249.9	17.8	16.8	6.1	317.2	320.5	1.0	82.9	6.2	63.
26.6	70.5	7366.2	400.0	-26.6	-40.7	250.4	23.8	22.4	8.0	320.4	321.4	0.3	25.2	8.2	65.
28.3	74.0	7829.6	375.0	-29.6	-40.2	253.9	27.7	26.6	7.7	322.4	323.5	0.3	34.7	10.6	66.
30.1	77.8	8318.4	350.0	-33.2	-35.7	260.4	29.6	29.1	4.9	323.9	325.7	0.5	78.6	13.8	69.
31.9	81.7	8835.4	325.0	-36.5	-38.3	263.6	24.3	24.1	2.7	326.3	327.9	0.4	83.7	16.6	71.
33.9	85.7	9386.3	300.0	-40.0	99.9	258.9	20.3	20.0	3.9	328.9	999.9	99.9	999.9	19.1	73.
35.8	89.8	9973.9	275.0	-44.9	99.9	262.2	22.3	22.0	3.0	330.2	999.9	99.9	999.9	21.5	73.
38.0	94.4	10603.2	250.0	-50.7	99.9	261.1	26.1	25.8	4.0	330.7	999.9	99.9	999.9	24.6	75.
40.4	99.2	11281.7	225.0	-55.8	99.9	258.3	29.5	28.9	6.0	333.0	999.9	99.9	999.9	28.6	75.
42.8	104.2	12022.1	200.0	-61.4	99.9	261.9	31.5	31.2	4.4	335.5	999.9	99.9	999.9	33.0	76.
45.7	109.8	12838.4	175.0	-65.6	99.9	256.8	43.5	42.3	9.9	341.8	999.9	99.9	999.9	39.1	77.
48.1	115.8	13785.5	150.0	-61.7	99.9	268.5	36.6	36.6	1.0	343.8	999.9	99.9	999.9	48.1	77.
53.0	122.7	14902.4	125.0	-66.8	99.9	278.1	22.8	22.5	-3.2	374.0	999.9	99.9	999.9	54.3	79.
57.5	130.3	16263.4	100.0	-63.6	99.9	274.8	16.9	16.8	-2.0	404.9	999.9	99.9	999.9	59.7	81.
64.2	139.0	18035.1	75.0	-63.3	99.9	281.9	12.4	12.1	-2.6	440.2	999.9	99.9	999.9	64.7	82.
72.4	149.0	20534.2	50.0	-61.0	99.9	293.6	4.5	4.1	-1.8	499.8	999.9	99.9	999.9	67.7	83.
84.4	159.8	24663.1	25.0	-50.8	99.9	211.6	6.1	3.2	5.2	838.8	999.9	99.9	999.9	69.8	84.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

2 MAY 1978
2300 GMT

155 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.4	438.0	963.4	13.8	-0.6	70.0	6.7	-6.3	-2.3	290.0	300.4	3.8	37.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	11.6	556.1	950.0	13.6	-2.1	71.4	9.7	-9.2	-3.1	291.0	300.5	3.5	33.6	0.4	250.
1.3	14.0	779.7	925.0	11.5	-3.3	72.1	10.0	-9.5	-3.1	291.1	300.0	3.2	35.2	0.8	250.
2.2	16.4	1007.8	900.0	9.7	-4.8	79.6	11.3	-11.1	-2.0	291.5	299.7	3.0	35.5	1.4	253.
3.0	18.8	1240.7	875.0	7.4	-5.6	86.3	10.6	-10.6	-0.7	291.5	299.5	2.9	39.1	1.9	255.
3.9	21.3	1478.4	850.0	5.2	-6.0	92.7	10.4	-10.4	0.5	291.6	299.6	2.9	44.0	2.5	259.
4.7	23.8	1721.2	825.0	3.3	-18.8	95.3	8.5	-8.5	0.8	292.0	295.5	1.2	20.5	3.0	261.
5.6	26.3	1973.4	800.0	8.2	-20.3	92.8	3.9	-3.9	0.2	299.9	302.8	1.0	11.2	3.3	263.
6.6	28.9	2234.4	775.0	6.8	-16.9	145.7	1.9	-1.0	1.5	301.2	305.2	1.3	16.5	3.4	263.
7.5	31.5	2503.8	750.0	6.1	-1.2	205.4	2.7	1.2	2.4	303.2	316.6	4.7	59.6	3.4	265.
8.5	34.1	2780.8	725.0	4.4	-2.0	253.3	4.4	4.2	1.3	304.3	317.4	4.6	63.8	3.2	267.
9.6	36.8	3067.3	700.0	4.2	-8.0	271.0	6.2	6.2	-0.1	307.2	316.1	3.0	40.5	2.8	267.
10.6	39.6	3362.2	675.0	2.1	-10.2	260.8	6.7	6.7	1.1	308.0	315.8	2.6	39.5	2.4	267.
11.8	42.3	3665.8	650.0	0.5	-17.0	244.6	9.8	8.9	4.2	309.5	314.4	1.5	25.4	1.9	271.
12.9	45.2	3979.5	625.0	-0.7	-15.6	235.4	12.0	9.9	6.8	311.7	317.3	1.8	31.4	1.3	289.
14.0	48.1	4304.4	600.0	-3.9	-17.3	231.0	11.0	8.5	6.9	311.7	316.8	1.6	34.3	1.1	327.
15.2	51.0	4639.5	575.0	-5.2	-20.1	241.2	7.7	6.7	3.7	313.9	318.3	1.3	29.7	1.3	356.
16.4	54.1	4987.2	550.0	-7.2	-20.9	248.4	7.8	7.2	2.9	315.5	319.8	1.3	32.7	1.6	14.
17.7	57.3	5347.7	525.0	-10.6	-18.1	250.6	9.1	8.6	3.0	315.7	321.3	1.8	54.0	2.0	29.
19.1	60.4	5721.4	500.0	-13.2	-21.0	256.1	6.7	6.5	1.6	316.9	321.5	1.4	51.7	2.6	40.
20.4	63.6	6110.5	475.0	-15.6	-28.6	258.2	4.1	4.0	0.8	318.6	321.2	0.8	31.7	2.9	45.
21.8	67.0	6516.1	450.0	-18.7	-34.6	264.0	3.1	3.0	0.3	319.8	321.3	0.4	22.9	3.2	48.
23.3	70.6	6939.3	425.0	-22.4	-39.5	296.1	2.2	2.0	-1.0	320.3	321.3	0.3	19.2	3.3	51.
24.8	74.1	7381.1	400.0	-26.5	-34.7	267.3	3.6	3.6	0.2	320.6	322.3	0.5	45.4	3.4	54.
26.3	77.8	7844.8	375.0	-29.0	-32.6	242.2	9.9	8.8	4.6	323.3	325.5	0.7	70.8	4.0	56.
28.0	81.7	8334.6	350.0	-33.0	-36.3	241.1	17.0	14.9	8.2	324.3	326.0	0.5	71.9	5.4	56.
29.7	85.6	8851.3	325.0	-37.2	-40.9	246.2	19.0	17.4	7.7	325.5	326.7	0.3	67.9	7.3	58.
31.5	89.7	9399.5	300.0	-41.2	99.9	253.2	21.7	20.7	6.3	327.3	999.9	99.9	999.9	9.4	61.
33.4	94.0	9984.6	275.0	-45.6	99.9	259.1	24.1	23.7	4.6	328.9	999.9	99.9	999.9	12.0	64.
35.5	98.7	10612.1	250.0	-51.0	99.9	259.2	26.4	25.9	4.9	330.2	999.9	99.9	999.9	15.0	68.
37.8	103.5	11289.3	225.0	-56.0	99.9	258.7	29.0	28.4	5.7	332.7	999.9	99.9	999.9	18.9	70.
40.3	108.6	12028.4	200.0	-62.0	99.9	257.5	37.9	37.0	8.2	334.7	999.9	99.9	999.9	23.5	72.
42.9	114.3	12850.2	175.0	-61.6	99.9	260.3	43.1	42.4	7.2	348.3	999.9	99.9	999.9	30.3	72.
45.8	120.3	13809.7	150.0	-61.8	99.9	273.1	27.0	26.9	-1.5	363.7	999.9	99.9	999.9	35.1	75.
49.2	127.0	14935.7	125.0	-61.8	99.9	284.8	19.0	18.9	1.7	383.1	999.9	99.9	999.9	39.5	76.
53.4	134.8	16324.3	100.0	-62.3	99.9	271.9	18.5	18.5	-0.6	407.3	999.9	99.9	999.9	44.5	78.
59.3	142.0	18111.5	75.0	-61.2	99.9	293.3	12.3	11.3	-4.9	444.6	999.9	99.9	999.9	49.3	80.
67.1	151.0	20645.5	50.0	-56.7	99.9	266.9	5.8	5.8	0.3	505.1	999.9	99.9	999.9	52.1	82.
79.3	166.0	25101.6	25.0	-48.3	99.9	278.8	3.6	3.5	-0.5	645.8	999.9	99.9	999.9	54.3	84.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

2 MAY 1978
2300 GMT

182 25. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.5	392.0	964.4	10.6	2.9	60.0	6.6	-5.7	-3.3	286.7	299.7	4.9	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.8	518.2	950.0	11.6	4.4	999.9	999.9	99.9	99.9	289.0	303.7	5.6	61.4	999.9	999.
1.3	13.1	739.9	925.0	7.9	2.7	999.9	999.9	99.9	99.9	287.4	300.8	5.0	69.6	999.9	999.
2.1	15.5	965.0	900.0	5.4	1.3	99.8	12.9	-12.7	2.2	287.1	299.5	4.7	74.2	0.9	288.
2.9	17.8	1194.6	875.0	3.7	-3.1	90.3	17.5	-17.5	0.1	287.6	297.1	3.5	61.2	1.8	282.
3.9	20.3	1429.7	850.0	3.4	-4.4	77.1	19.9	-19.4	-4.5	289.7	298.7	3.3	56.4	2.8	275.
5.0	22.8	1673.6	825.0	6.3	4.8	70.0	28.4	-26.7	-9.7	295.3	313.1	6.6	90.3	4.3	267.
6.0	25.3	1927.8	800.0	8.0	7.3	82.8	23.2	-23.0	-2.9	299.7	321.6	8.1	95.1	6.1	262.
7.1	27.8	2190.2	775.0	7.1	6.6	97.3	17.7	-17.5	2.3	301.5	323.3	7.9	96.4	7.1	264.
8.2	30.4	2459.7	750.0	5.1	4.4	104.5	16.4	-15.8	4.1	302.1	321.6	7.1	95.8	8.3	266.
9.4	33.1	2736.4	725.0	3.8	3.2	121.2	16.7	-14.3	8.7	303.7	322.3	6.7	95.6	9.3	269.
10.5	35.8	3021.5	700.0	2.5	2.1	137.0	18.1	-12.3	13.2	305.2	323.3	6.4	97.6	10.2	273.
11.6	38.6	3315.6	675.0	1.3	1.0	144.9	20.0	-11.5	16.3	307.1	324.6	6.1	98.0	11.1	278.
12.7	41.3	3619.4	650.0	0.1	-0.3	152.3	20.4	-9.5	18.1	309.1	325.8	5.8	97.2	12.0	283.
13.8	44.2	3934.0	625.0	-0.6	-0.9	154.5	21.3	-9.1	19.2	311.8	328.5	5.7	97.5	12.8	288.
14.6	47.1	4260.0	600.0	-2.5	-2.9	166.4	20.2	-4.8	19.7	313.3	328.5	5.2	97.3	13.6	291.
16.0	50.1	4597.1	575.0	-4.9	-5.4	180.5	20.1	0.2	20.1	314.2	327.6	4.5	96.4	14.3	297.
17.3	53.1	4946.0	550.0	-6.8	-7.6	182.4	21.4	0.9	21.4	316.0	327.9	4.0	94.7	15.1	302.
18.7	56.3	5306.5	525.0	-10.4	-12.2	185.6	21.6	2.1	21.5	316.0	324.8	2.9	86.6	16.0	308.
20.3	59.5	5681.9	500.0	-12.0	-14.4	191.1	23.3	4.5	22.9	318.5	326.3	2.5	82.2	17.0	313.
21.4	62.9	6073.4	475.0	-13.8	-16.2	199.3	24.5	8.1	23.1	320.9	328.1	2.3	82.1	18.0	319.
23.0	66.3	6483.0	450.0	-15.7	-17.7	209.9	24.1	12.0	20.9	323.5	330.4	2.1	84.5	19.1	325.
24.6	69.7	6912.0	425.0	-16.7	-21.2	223.3	23.7	16.3	17.3	325.0	330.5	1.7	80.7	20.0	332.
26.4	73.4	7362.1	400.0	-21.5	-24.2	226.6	23.7	17.2	16.3	327.0	331.6	1.3	78.5	20.8	338.
27.8	77.2	7835.2	375.0	-24.2	-27.2	225.0	24.1	17.0	17.1	329.6	333.3	1.1	75.7	21.6	343.
29.2	81.0	8334.7	350.0	-28.3	-32.1	230.4	23.5	18.1	15.0	330.6	333.2	0.7	69.2	22.6	348.
31.1	85.2	8862.3	325.0	-32.2	-36.7	228.1	23.4	17.4	15.6	332.3	334.1	0.5	64.1	23.9	353.
32.9	89.4	9421.5	300.0	-36.8	-41.3	225.4	23.0	16.4	16.2	333.5	334.7	0.3	62.9	25.5	358.
34.9	93.8	10017.1	275.0	-41.6	99.9	224.8	23.4	16.5	16.6	335.0	999.9	99.9	999.9	27.5	2.
37.1	98.6	10655.3	250.0	-46.3	99.9	225.1	23.0	16.3	16.3	334.3	999.9	99.9	999.9	29.7	6.
39.7	103.6	11341.2	225.0	-50.1	99.9	223.0	27.2	18.6	19.9	335.6	999.9	99.9	999.9	32.8	10.
41.9	109.0	12069.7	200.0	-53.3	99.9	223.5	33.5	23.1	24.3	340.4	999.9	99.9	999.9	36.2	14.
44.4	114.6	12919.5	175.0	-64.0	99.9	222.6	43.7	29.6	32.2	344.3	999.9	99.9	999.9	41.5	18.
47.7	121.0	13879.1	150.0	-57.3	99.9	240.2	32.4	28.1	16.1	371.3	999.9	99.9	999.9	48.8	23.
51.4	127.7	15035.6	125.0	-57.0	99.9	244.2	19.1	17.2	8.3	391.7	999.9	99.9	999.9	52.5	26.
56.0	135.0	16450.5	100.0	-58.5	99.9	257.8	17.1	16.7	3.6	414.7	999.9	99.9	999.9	55.8	30.
61.2	143.0	18257.8	75.0	-56.9	99.9	298.1	12.2	10.8	-5.7	449.5	999.9	99.9	999.9	58.7	34.
65.0	151.3	20624.5	50.0	-54.9	99.9	291.7	4.9	4.5	-1.8	514.2	999.9	99.9	999.9	58.9	37.
82.2	160.0	25355.1	25.0	-46.5	99.9	999.9	99.9	99.9	99.9	681.1	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

2 MAY 1978
2300 GMT

154 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	18.1	1094.0	886.8	2.2	1.0	50.0	7.7	-5.9	-4.9	285.0	297.3	4.7	92.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	15.3	1202.1	875.0	0.9	0.1	999.9	99.9	99.9	99.9	284.7	296.3	4.4	94.4	999.9	999.
1.1	21.9	1434.4	850.0	-1.3	-1.4	999.9	999.9	99.9	99.9	284.8	295.6	4.1	99.2	999.9	999.
1.8	24.5	1672.2	825.0	-2.5	-2.6	999.9	999.9	99.9	99.9	286.8	296.3	3.8	99.2	1.3	234.
2.7	27.2	1917.6	800.0	-0.5	-0.6	112.4	10.3	-9.5	3.9	290.6	303.0	4.6	99.3	1.7	246.
3.3	29.8	2172.2	775.0	0.3	0.2	136.7	11.6	-8.0	8.5	294.1	307.8	5.0	99.4	2.0	255.
4.2	32.6	2435.7	750.0	0.5	0.4	150.0	12.5	-6.1	10.9	297.1	311.7	5.3	99.5	2.3	271.
5.0	35.3	2708.2	725.0	0.3	0.2	164.8	11.2	-3.0	10.9	299.8	314.8	5.4	99.4	2.6	283.
5.8	38.1	2989.7	700.0	-0.6	-0.7	177.4	8.9	-0.4	8.9	301.8	316.5	5.2	99.3	2.8	293.
6.7	41.0	3280.5	675.0	-1.7	-1.8	194.7	5.5	1.4	5.3	303.7	317.9	5.0	99.4	3.0	303.
7.6	44.0	3580.3	650.0	-3.3	-3.5	221.4	3.4	2.2	2.5	305.3	318.4	4.5	98.8	2.9	324.
8.4	47.0	3890.3	625.0	-4.8	-5.0	221.9	4.5	3.0	3.3	307.0	316.9	3.4	78.1	2.9	307.
9.4	50.0	4210.8	600.0	-8.1	-13.2	228.0	7.2	5.3	4.8	309.8	316.0	2.3	57.3	2.9	313.
10.4	53.1	4542.9	575.0	-8.0	-12.6	229.0	8.6	6.5	5.7	310.6	318.3	2.5	69.5	2.9	324.
11.5	56.3	4886.8	550.0	-10.7	-16.4	228.0	8.5	6.3	5.7	311.4	317.4	1.9	62.5	3.0	334.
12.6	59.6	5243.1	525.0	-13.2	-20.2	227.0	7.7	5.6	5.2	312.6	317.2	1.5	55.5	3.2	343.
13.7	62.7	5612.4	500.0	-16.5	-39.7	222.4	8.6	5.8	6.4	312.9	313.8	0.2	11.4	3.5	351.
14.6	66.1	5993.3	475.0	-20.1	-51.4	224.0	11.5	8.0	8.2	313.2	313.4	0.1	4.6	4.0	359.
16.1	69.7	6394.0	450.0	-22.9	-64.5	216.9	15.2	9.1	12.2	314.5	314.6	0.0	1.0	4.7	7.
17.3	73.5	6811.2	425.0	-25.4	-66.2	203.6	19.4	7.7	17.8	316.4	316.5	0.0	1.0	5.8	12.
18.6	77.6	7248.1	400.0	-28.3	-44.8	186.6	25.4	2.9	25.3	318.2	318.2	0.2	18.8	7.5	13.
20.1	82.0	7708.5	375.0	-31.1	-65.2	167.5	27.6	-6.0	26.9	320.5	320.7	0.0	6.2	9.9	9.
21.5	86.8	8190.6	350.0	-34.5	-56.0	158.8	31.4	-11.4	29.3	322.2	322.6	0.1	15.2	12.2	3.
22.9	91.9	8709.7	325.0	-37.1	-43.6	148.1	33.6	-17.8	28.5	325.6	326.4	0.2	50.4	14.7	358.
24.4	97.2	9256.2	300.0	-41.5	99.9	134.9	29.2	-20.7	20.6	326.9	999.9	99.9	999.9	16.9	353.
26.1	97.8	9841.8	275.0	-46.5	99.9	132.8	30.9	-22.7	21.0	327.9	999.9	99.9	999.9	19.3	347.
27.5	102.6	10467.7	250.0	-51.9	99.9	132.2	33.2	-24.6	22.3	328.9	999.9	99.9	999.9	22.4	342.
29.8	107.6	11141.7	225.0	-57.7	99.9	130.5	33.0	-25.1	21.4	330.1	999.9	99.9	999.9	25.6	337.
32.1	113.2	11877.6	200.0	-60.5	99.9	152.8	30.1	-13.7	26.7	336.9	999.9	99.9	999.9	29.6	334.
34.6	119.0	12714.3	175.0	-58.4	99.9	191.8	24.1	4.9	23.6	353.6	999.9	99.9	999.9	33.5	337.
37.6	125.3	13691.5	150.0	-56.5	99.9	220.8	17.0	11.1	12.8	372.8	999.9	99.9	999.9	36.1	342.
41.2	132.3	14848.2	125.0	-57.2	99.9	235.0	11.8	9.7	6.8	391.4	999.9	99.9	999.9	37.2	345.
45.9	140.0	16252.8	100.0	-60.2	99.9	236.2	11.7	9.7	6.5	411.5	999.9	99.9	999.9	38.1	350.
51.5	148.7	18036.3	75.0	-64.0	99.9	271.5	9.1	9.1	-0.2	436.7	999.9	99.9	999.9	39.3	355.
59.3	158.0	20592.5	50.0	-61.8	99.9	255.9	4.6	4.5	1.1	467.9	999.9	99.9	999.9	38.3	358.
71.6	167.7	24978.3	25.0	-51.5	99.9	297.9	2.1	1.9	-1.0	636.9	999.9	99.9	999.9	37.5	0.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIC

2 MAY 1978
2300 GMT

149 14. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.5	298.0	980.8	13.5	-1.6	340.0	2.1	0.7	-2.0	288.3	297.7	3.5	35.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.9	347.8	975.0	12.3	-2.4	349.2	4.3	0.8	-4.2	287.5	296.5	3.3	35.9	0.1	140.
1.0	11.1	569.6	950.0	10.1	-3.1	350.2	4.5	0.8	-4.5	287.5	296.2	3.2	39.2	0.3	168.
1.7	13.3	795.5	925.0	7.9	-3.9	349.5	4.5	0.8	-4.4	287.4	295.8	3.1	42.9	0.5	169.
2.6	15.5	1010.6	900.0	5.7	-4.5	349.5	4.0	0.7	-3.9	287.4	295.7	3.0	47.8	0.7	169.
3.4	17.6	1240.3	875.0	3.6	-4.8	353.3	4.1	0.5	-4.0	287.6	296.0	3.1	54.1	0.9	169.
4.2	19.6	1474.7	850.0	1.5	-5.3	358.1	3.8	0.1	-3.8	287.7	296.0	3.0	60.7	1.1	171.
5.1	21.2	1714.1	825.0	-1.1	-5.8	352.8	3.5	0.4	-3.4	287.4	295.7	3.0	70.6	1.2	172.
5.9	24.5	1958.9	800.0	-3.3	-8.2	341.7	3.4	1.1	-3.2	287.6	294.7	2.6	69.1	1.4	171.
6.8	26.9	2209.9	775.0	-3.2	-21.2	332.6	4.5	2.1	-4.0	290.4	293.1	0.9	23.4	1.5	170.
7.7	29.3	2469.0	750.0	-4.3	-19.7	323.1	5.5	3.3	-4.4	291.9	295.1	1.1	28.8	1.9	166.
8.7	31.7	2735.4	725.0	-5.6	-28.9	331.3	6.8	3.3	-6.0	293.4	294.9	0.5	14.2	2.2	163.
9.7	34.2	3009.5	700.0	-7.4	-31.4	330.9	7.8	3.8	-6.8	294.3	295.5	0.4	12.6	2.6	161.
10.7	36.8	3292.2	675.0	-8.7	-34.1	327.5	8.5	4.6	-7.2	296.0	297.0	0.3	10.6	3.1	159.
11.8	39.4	3583.5	650.0	-10.7	-34.3	333.8	8.7	3.8	-7.8	296.8	297.9	0.3	12.2	3.7	158.
12.9	42.0	3886.9	625.0	-10.6	-36.6	344.0	9.3	2.6	-8.9	300.3	301.2	0.3	9.6	4.3	158.
14.0	44.8	4199.7	600.0	-14.0	-36.7	349.0	11.7	2.2	-11.5	304.5	305.4	0.3	9.1	4.9	159.
15.1	47.5	4527.8	575.0	-9.7	-36.0	349.3	13.8	2.6	-13.5	308.6	309.6	0.3	9.5	5.8	161.
16.2	50.3	4870.4	550.0	-12.1	-35.2	346.0	15.2	3.7	-14.8	309.7	310.9	0.3	12.6	6.7	162.
17.6	53.3	5228.2	525.0	-14.9	-37.6	339.5	17.9	6.3	-16.7	310.5	311.5	0.3	12.4	8.1	162.
18.9	56.3	5600.6	500.0	-17.2	-40.2	332.7	19.6	9.0	-17.4	312.1	312.9	0.2	11.4	9.5	161.
20..	59.3	5973.0	475.0	-20.1	-41.2	325.4	20.6	11.7	-16.9	313.1	313.8	0.2	13.1	11.1	159.
21.6	62.5	6371.3	450.0	-23.6	-43.1	321.6	21.4	13.3	-16.8	313.6	314.2	0.2	14.6	12.8	157.
23.1	65.8	6796.0	425.0	-27.1	-45.8	321.4	21.8	13.6	-17.0	314.3	314.8	0.1	14.9	14.8	155.
24.7	69.1	7219.7	400.0	-30.9	-47.9	318.6	22.2	14.7	-16.7	314.8	315.3	0.1	16.7	16.8	153.
26.3	72.6	7674.6	375.0	-34.5	-50.8	316.1	23.0	16.0	-16.6	316.0	316.4	0.1	17.0	18.9	151.
28.2	76.3	8152.7	350.0	-38.7	-53.8	314.4	24.7	17.7	-17.3	316.6	316.8	0.1	18.3	21.4	149.
30.1	80.1	8667.5	325.0	-42.5	99.9	311.4	27.5	20.6	-18.2	318.1	999.9	99.9	999.9	24.3	147.
32.2	84.0	9193.6	300.0	-46.4	99.9	307.0	29.8	23.8	-17.9	320.0	999.9	99.9	999.9	27.7	145.
34.5	88.2	9765.4	275.0	-51.1	99.9	307.6	33.2	26.3	-20.3	321.2	999.9	99.9	999.9	31.9	143.
36.8	92.6	10378.4	250.0	-55.2	99.9	305.8	33.3	27.0	-19.5	324.1	999.9	99.9	999.9	36.4	141.
39.2	97.2	11048.0	225.0	-58.3	99.9	302.0	37.0	31.4	-19.6	329.2	999.9	99.9	999.9	41.2	139.
41.6	102.0	11763.7	200.0	-59.6	99.9	306.0	36.4	29.4	-21.4	338.4	999.9	99.9	999.9	47.0	137.
45.2	107.4	12629.8	175.0	-54.0	99.9	301.8	25.5	21.6	-13.4	360.9	999.9	99.9	999.9	53.4	136.
49.0	113.3	13615.1	150.0	-55.8	99.9	294.9	23.7	21.5	-10.0	374.0	999.9	99.9	999.9	58.2	134.
53.4	119.8	14706.0	125.0	-56.7	99.9	293.4	21.0	19.2	-8.3	388.8	999.9	99.9	999.9	63.6	132.
58.6	126.7	16167.9	100.0	-57.7	99.9	290.3	19.1	17.9	-6.6	416.3	999.9	99.9	999.9	69.8	130.
65.3	134.7	17678.6	75.0	-58.5	99.9	282.0	12.9	12.6	-2.7	450.2	999.9	99.9	999.9	75.9	129.
73.5	143.8	20541.3	50.0	-54.0	99.9	295.8	7.3	6.5	-3.2	516.2	999.9	99.9	999.9	80.1	128.
86.5	152.8	25632.0	25.0	-50.1	99.9	306.9	0.6	0.5	-0.3	640.6	999.9	99.9	999.9	81.4	127.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

2 MAY 1978
2300 GMT

195 10. 0

TIME MIN	C-TCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	179.0	996.0	15.3	-3.1	40.0	4.2	-2.7	-3.2	288.8	297.2	3.1	28.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.
0.6	0.5	356.5	975.0	13.6	-4.4	0.5	5.3	-0.0	-5.3	288.9	296.7	2.8	28.3	0.3	208.
1.3	1.7	572.7	950.0	11.8	-5.5	45.0	5.9	-4.1	-4.1	289.1	296.6	2.7	29.5	0.5	201.
2.1	2.9	788.8	925.0	9.6	-5.1	54.5	6.5	-5.3	-3.8	289.1	297.0	2.8	35.0	0.8	214.
2.5	3.2	1021.4	900.0	7.5	-5.7	52.2	5.8	-4.6	-3.6	289.0	296.7	2.8	39.1	1.3	222.
4.5	5.5	1242.1	875.0	4.8	-6.1	51.8	6.7	-5.2	-4.1	288.8	296.4	2.8	45.1	1.6	224.
5.4	6.7	1467.5	850.0	2.6	-7.0	48.8	6.3	-4.7	-4.2	288.9	296.3	2.7	48.9	2.0	225.
6.4	7.1	1778.3	825.0	1.0	-10.9	48.1	6.5	-4.9	-4.4	289.6	295.6	2.1	42.7	2.4	225.
7.3	8.0	1918.3	800.0	1.9	-20.1	45.0	6.2	-4.4	-4.4	293.1	294.9	0.6	10.3	2.7	226.
8.2	9.8	2231.5	775.0	1.0	-23.0	32.8	5.9	-3.2	-4.9	294.8	297.2	0.8	14.7	3.1	225.
9.1	9.9	2451.1	750.0	0.6	-22.7	17.1	5.4	-1.6	-5.2	297.2	299.7	0.8	15.4	3.4	223.
10.0	11.8	2767.6	725.0	0.9	-26.2	9.5	5.2	-0.9	-5.1	300.5	302.5	0.6	11.1	3.6	221.
11.0	9.3	3048.7	700.0	0.7	-30.2	9.0	5.6	-0.9	-5.6	303.3	304.7	0.4	7.6	3.9	218.
12.1	10.6	3330.6	675.0	-0.5	-29.7	9.4	5.5	-0.9	-5.5	305.1	306.7	0.5	8.8	4.2	216.
13.3	10.6	3610.7	650.0	-2.2	-35.4	356.3	5.8	0.4	-5.8	306.5	307.6	0.3	6.6	4.5	214.
14.4	12.2	3891.0	625.0	-4.0	-40.9	334.6	6.4	2.8	-5.8	307.9	308.2	0.1	2.1	4.8	210.
15.6	11.6	4171.5	600.0	-5.8	-31.9	322.4	7.7	4.7	-6.1	309.4	310.8	0.6	10.5	5.1	205.
16.8	12.8	4453.6	575.0	-7.7	-29.7	317.5	10.1	7.6	-6.7	311.0	312.9	0.8	15.0	5.3	199.
18.0	0.0	4747.6	550.0	-10.0	-33.4	304.3	11.7	9.6	-6.6	312.3	313.6	0.4	12.6	5.6	191.
19.2	0.0	5035.3	525.0	-12.0	-35.8	304.4	12.5	10.3	-7.1	314.1	315.2	0.3	11.7	6.0	182.
20.4	0.0	5326.8	500.0	-14.7	-37.7	301.9	14.3	12.2	-7.6	315.1	316.2	0.3	11.9	6.7	175.
21.1	0.0	5592.8	475.0	-17.7	-39.2	298.9	14.8	13.0	-7.2	316.1	317.0	0.3	13.3	7.5	168.
22.6	0.0	6493.8	450.0	-22.0	-41.4	293.4	15.0	13.8	-5.9	315.6	316.3	0.2	15.2	8.5	159.
23.8	0.0	6781.2	425.0	-25.0	-42.7	299.2	15.6	13.6	-7.6	316.9	317.6	0.2	15.5	9.6	153.
27.0	0.0	7316.8	400.0	-28.4	-46.4	307.8	16.0	12.8	-9.6	318.1	318.6	0.1	15.8	11.0	149.
28.7	0.0	7776.5	375.0	-32.8	-49.8	307.5	15.6	12.4	-9.5	318.2	318.6	0.1	16.2	12.5	146.
30.3	0.0	8259.7	350.0	-36.1	-49.1	307.3	16.8	14.5	-11.4	320.1	320.5	0.1	24.6	14.0	144.
32.1	0.0	8773.5	325.0	-36.5	-51.3	304.6	33.1	27.2	-18.8	326.4	326.8	0.1	19.7	16.5	141.
33.9	0.0	9274.6	300.0	-40.5	99.9	301.9	44.8	38.0	-23.6	328.3	999.9	99.9	999.9	20.8	138.
36.0	0.0	9818.7	275.0	-45.9	99.9	294.9	49.3	44.8	-20.8	328.8	999.9	99.9	999.9	26.5	132.
38.1	0.0	10337.5	250.0	-51.0	99.9	285.7	50.3	48.4	-13.6	330.2	999.9	99.9	999.9	32.4	126.
40.6	0.0	11215.4	225.0	-58.4	99.9	285.3	54.0	51.1	-14.0	332.1	999.9	99.9	999.9	39.8	124.
42.1	0.0	11695.5	200.0	-60.9	99.9	293.9	51.3	46.9	-20.7	336.3	999.9	99.9	999.9	47.2	122.
46.0	0.0	12786.3	175.0	-62.4	99.9	295.8	36.9	33.8	-14.9	347.0	999.9	99.9	999.9	55.3	121.
49.4	0.0	13735.8	150.0	-59.6	99.9	285.4	28.4	27.4	-7.6	367.5	999.9	99.9	999.9	61.3	120.
53.5	0.0	14878.3	125.0	-60.1	99.9	288.8	20.9	19.8	-6.7	386.2	999.9	99.9	999.9	67.3	119.
56.3	0.0	16281.1	100.0	-57.6	99.9	282.3	18.2	17.8	-3.9	416.5	999.9	99.9	999.9	72.9	118.
64.1	0.0	18045.9	75.0	-58.8	99.9	291.9	16.2	15.8	-3.8	449.7	999.9	99.9	999.9	78.4	117.
71.7	0.0	20637.2	50.0	-55.4	99.9	298.7	7.2	6.4	-3.2	512.9	999.9	99.9	999.9	83.5	117.
84.0	0.0	25162.2	25.0	-47.7	99.9	254.8	7.9	7.7	2.1	647.8	999.9	99.9	999.9	88.3	116.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY DEW MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

2 MAY 1978
2315 GMT

101 156. 0

TIME MB	CAPE CT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.2	7911.0	924.3	8.3	0.1	70.0	6.6	-6.2	-2.3	287.0	298.0	6.2	56.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	15.3	1059.4	900.0	4.6	-2.3	999.9	999.9	99.9	99.9	286.3	295.9	3.6	65.9	999.9	999.
1.2	17.5	1238.7	875.0	3.1	-2.7	999.9	999.9	99.9	99.9	287.1	296.7	3.6	66.4	999.9	999.
2.4	19.7	1422.8	850.0	0.4	-4.3	60.0	10.1	-8.8	-5.0	286.4	295.4	3.3	70.4	1.4	275.
3.2	22.0	1611.5	825.0	-1.2	-4.4	72.7	9.9	-9.4	-2.9	287.3	296.4	3.4	79.1	1.8	238.
4.1	24.4	1804.5	800.0	0.7	-25.3	89.3	9.8	-9.8	-0.1	291.9	293.8	0.6	12.2	2.3	243.
5.1	26.7	2002.8	775.0	0.8	-14.6	104.8	7.6	-7.3	1.9	294.7	298.1	1.1	21.8	2.7	248.
5.5	29.0	2206.6	750.0	0.7	-0.4	107.2	9.1	-8.7	2.7	297.3	311.1	5.9	92.8	3.1	253.
6.6	31.5	2414.3	725.0	-0.4	-0.4	118.9	7.8	-6.6	3.6	299.1	313.6	6.2	100.1	3.5	259.
7.5	34.0	2626.9	700.0	-2.0	-2.0	130.9	5.5	-4.5	3.9	300.3	313.6	6.7	101.0	3.8	263.
9.2	36.5	2844.0	675.0	-2.9	-2.9	138.8	6.1	-4.0	4.6	302.4	315.5	6.6	99.7	4.0	267.
10.0	39.0	3066.4	650.0	-4.2	-5.0	141.6	6.4	-4.0	5.0	304.2	315.9	6.1	93.8	4.2	271.
11.1	41.7	3293.4	625.0	-5.5	-7.5	128.3	7.3	-5.7	4.5	306.1	316.3	5.5	85.5	4.5	275.
12.2	44.4	3525.2	600.0	-7.2	-9.8	116.8	8.1	-7.2	3.7	307.7	317.4	5.3	88.3	5.0	278.
13.4	47.2	3762.0	575.0	-9.5	-11.7	105.2	9.6	-9.3	2.5	308.9	317.0	5.7	83.8	5.6	279.
14.8	50.0	4003.8	550.0	-11.1	-13.5	95.5	12.5	-12.6	1.2	310.9	318.4	5.5	82.5	6.4	276.
15.7	53.0	4251.2	525.0	-11.7	-14.0	93.8	13.0	-12.9	0.9	312.0	318.5	5.1	82.6	7.3	278.
16.6	56.0	4504.5	500.0	-11.7	-14.2	98.9	13.3	-13.1	2.0	313.9	319.6	1.8	81.2	8.1	278.
17.1	59.0	4763.9	475.0	-14.4	-20.7	101.3	11.8	-11.6	2.3	315.5	320.4	1.5	69.8	9.1	278.
18.4	62.3	5029.5	450.0	-20.7	-23.2	117.5	10.5	-9.3	4.8	317.2	321.5	1.3	80.3	10.0	279.
20.7	65.5	5301.4	425.0	-23.7	-26.2	134.7	9.9	-7.1	7.0	318.6	322.1	1.1	79.9	10.7	281.
22.1	68.9	5582.6	400.0	-27.0	-27.5	148.6	11.9	-8.2	10.2	319.9	322.7	0.8	79.4	11.3	284.
23.4	72.4	5872.8	375.0	-30.2	-31.6	172.3	15.5	-2.1	15.3	321.7	323.9	0.6	78.9	12.0	286.
25.0	76.1	6172.3	350.0	-33.3	-35.9	195.4	17.6	4.7	17.1	323.8	325.6	0.5	77.2	12.6	290.
26.7	79.9	6481.8	325.0	-37.6	-41.6	196.1	17.2	3.3	16.4	324.8	325.9	0.3	65.8	12.7	304.
28.6	84.0	6802.7	300.0	-42.9	99.9	199.2	16.7	4.6	16.2	324.9	999.9	99.9	999.9	13.4	312.
30.4	88.2	7135.4	275.0	-47.4	99.9	192.1	23.2	4.9	22.7	326.5	999.9	99.9	999.9	14.6	316.
32.3	92.8	7481.7	250.0	-53.4	99.9	188.8	27.2	4.2	26.9	328.7	999.9	99.9	999.9	16.6	320.
34.4	97.6	7842.8	225.0	-58.4	99.9	182.7	30.8	3.2	30.4	327.4	999.9	99.9	999.9	19.5	335.
36.0	102.8	8219.2	200.0	-65.8	99.9	191.2	33.1	6.4	32.4	328.5	999.9	99.9	999.9	23.5	341.
38.4	108.3	8612.1	175.0	-67.6	99.9	999.9	999.9	99.9	99.9	338.4	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 456
TOPEKA, KANSAS

2 MAY 1978
2356 GMT

156 11. 8

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.8	268.0	984.5	13.9	-2.5	80.0	5.6	-5.5	-1.0	288.3	297.2	3.2	32.0	0.8	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	7.6	345.E	975.0	13.6	-3.2	81.2	9.0	-8.9	-1.4	288.8	297.3	3.1	30.9	0.9	198.
1.2	9.8	567.8	950.0	12.0	-3.2	80.6	8.3	-8.2	-1.4	289.4	298.1	3.2	34.2	1.1	215.
2.3	12.0	790.0	925.0	9.6	-4.2	74.4	9.0	-8.6	-2.4	289.2	297.5	3.0	37.4	1.6	226.
3.6	14.3	1016.8	900.0	7.5	-4.1	76.1	9.0	-8.7	-2.2	289.2	297.8	3.1	43.5	2.2	236.
4.8	16.6	1247.8	875.0	5.4	-4.6	84.7	8.7	-8.7	-0.8	289.4	297.9	3.1	48.4	2.9	242.
6.1	18.9	1483.6	850.0	2.6	-5.7	89.7	7.8	-7.8	-0.0	288.9	297.0	2.9	54.0	3.4	247.
7.1	21.3	1720.2	825.0	0.3	-7.4	89.5	9.0	-9.0	-0.1	289.0	296.3	2.7	55.9	3.9	249.
8.1	23.7	1958.6	800.0	0.5	-23.2	100.7	10.0	-9.9	1.9	291.7	294.0	0.8	15.4	4.4	252.
9.2	26.2	2225.7	775.0	1.4	-33.8	101.6	5.4	-5.3	1.1	295.4	296.3	0.3	5.1	4.8	256.
10.1	28.6	2491.3	750.0	4.6	-33.8	330.3	1.5	0.8	-1.3	301.5	302.5	0.3	4.1	4.9	257.
11.2	31.2	2756.8	725.0	3.9	-33.3	240.4	1.6	1.4	0.8	303.7	304.8	0.3	4.5	4.8	256.
12.3	33.8	3020.6	700.0	2.4	-30.4	197.7	2.5	0.8	2.4	305.2	306.6	0.4	6.7	4.6	257.
13.5	36.4	3343.5	675.0	0.4	-25.2	172.7	3.3	-0.4	3.2	306.1	308.5	0.7	12.5	4.7	260.
14.5	39.0	3644.7	650.0	-1.9	-20.5	161.8	3.6	-1.1	3.4	306.9	309.0	0.7	13.1	4.7	262.
15.7	41.8	3955.6	625.0	-4.0	-24.9	139.0	3.7	-2.5	2.8	307.9	310.5	0.8	17.8	4.8	265.
16.9	44.6	4276.2	600.0	-6.1	-29.0	124.3	3.1	-2.6	1.8	309.0	311.1	0.6	16.2	5.0	268.
18.1	47.3	4608.0	575.0	-8.5	-16.8	151.5	2.1	-1.0	1.9	310.1	315.6	1.8	50.9	5.2	269.
19.4	50.1	4951.8	550.0	-9.9	-20.7	223.3	3.6	2.4	2.6	312.4	316.6	1.3	40.7	5.1	270.
20.7	53.1	5306.6	525.0	-11.8	-25.0	235.4	5.5	4.5	3.1	314.2	317.3	1.0	32.4	4.8	273.
22.1	56.1	5671.6	500.0	-13.8	-36.8	249.2	7.6	7.1	2.7	316.2	317.3	0.3	12.4	4.4	276.
23.7	59.4	6070.0	475.0	-16.2	-43.4	245.2	7.9	7.1	3.3	318.0	318.6	0.2	7.4	3.7	282.
25.3	62.8	6474.2	450.0	-19.5	-45.4	264.9	5.7	5.6	0.5	318.7	319.3	0.1	7.9	3.2	289.
26.9	65.6	6836.4	425.0	-22.1	-47.6	307.8	8.6	6.8	-5.3	320.6	321.1	0.1	7.8	2.6	286.
28.5	69.3	7338.6	400.0	-26.5	-48.9	313.4	11.3	8.2	-7.7	320.6	321.0	0.1	9.9	1.7	273.
30.3	72.9	7800.9	375.0	-30.5	-48.0	309.4	11.2	8.7	-7.1	321.2	321.7	0.1	16.1	1.2	227.
32.1	76.7	8297.1	350.0	-34.5	-37.8	277.5	10.6	10.5	-1.4	322.3	323.8	0.4	71.8	1.3	173.
34.0	80.5	8801.0	325.0	-38.3	-41.4	257.1	15.7	15.3	3.5	323.9	325.0	0.3	72.1	1.9	127.
36.0	84.5	9 7.2	300.0	-42.5	99.9	248.4	23.5	21.8	8.6	325.4	999.9	99.9	999.9	3.9	95.
38.0	88.8	9 28.1	275.0	-47.9	99.9	244.3	27.5	24.8	11.9	328.9	999.9	99.9	999.9	6.6	82.
40.2	93.3	10549.4	250.0	-53.2	99.9	244.0	31.1	27.9	13.6	327.0	999.9	99.9	999.9	10.3	75.
42.8	98.2	11219.7	225.0	-58.8	99.9	252.8	34.5	33.0	10.2	328.4	999.9	99.9	999.9	15.5	73.
45.5	103.2	11950.3	200.0	-64.4	99.9	252.6	36.8	37.0	11.6	330.8	999.9	99.9	999.9	21.4	73.
48.6	108.8	12764.7	175.0	-69.7	99.9	264.9	34.1	33.9	3.0	349.8	999.9	99.9	999.9	28.8	73.
52.3	114.8	13721.6	150.0	-61.7	99.9	267.4	16.2	16.2	0.7	363.8	999.9	99.9	999.9	33.4	76.
56.6	121.5	14855.5	125.0	-60.8	99.9	256.5	16.4	16.0	3.8	384.9	999.9	99.9	999.9	37.5	76.
62.2	129.0	16245.1	100.0	-59.9	99.9	272.1	15.3	15.3	-0.6	413.7	999.9	99.9	999.9	42.7	77.
69.0	137.3	18031.4	75.0	-62.6	99.9	286.5	9.7	9.3	-2.8	441.7	999.9	99.9	999.9	47.2	79.
78.2	146.5	20562.0	50.0	-58.8	99.9	305.3	3.9	3.1	-2.2	505.1	999.9	99.9	999.9	49.9	82.
83.5	156.0	24987.1	25.0	-50.8	99.9	999.9	999.9	99.9	99.9	636.7	999.9	99.9	999.9	49.7	83.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

2 MAY 1978
2335 GMT

156 11. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	259.0	994.7	15.0	-10.6	40.0	4.2	-2.7	-3.2	288.6	293.5	1.7	16.0	0.0	0.
99.9	99.	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	6.8	366.5	975.0	13.4	-7.0	50.5	5.3	-4.1	-3.3	288.6	295.1	2.3	23.5	0.2	224.
1.4	11.1	595.6	950.0	11.1	-8.6	42.4	4.8	-3.3	-3.6	288.5	294.4	2.1	24.1	0.4	226.
2.3	13.4	837.3	925.0	8.7	-9.4	35.5	5.1	-2.9	-4.1	288.2	293.9	2.0	26.6	0.6	223.
3.1	15.7	1032.8	900.0	6.3	-10.6	25.4	5.5	-2.4	-5.0	288.0	293.3	1.9	28.6	0.9	220.
4.0	18.1	1262.7	875.0	4.2	-11.0	14.5	4.9	-1.2	-4.8	288.1	293.5	1.9	32.2	1.2	215.
4.9	20.6	1497.5	850.0	2.3	-11.9	12.5	5.1	-1.1	-5.0	288.6	293.7	1.8	33.8	1.4	212.
5.7	23.0	1716.6	825.0	-0.0	-13.0	357.9	5.3	0.2	-5.3	289.6	293.5	1.7	36.9	1.6	207.
6.6	25.5	1953.1	800.0	-2.1	-14.8	352.8	4.9	0.6	-4.9	288.9	293.2	1.5	37.1	1.9	202.
7.5	28.1	2205.6	775.0	-1.0	-24.0	4.0	3.6	-0.3	-3.6	292.8	294.9	0.7	15.4	2.1	200.
8.3	30.7	2467.7	750.0	0.1	-23.8	19.6	5.2	-1.7	-4.9	296.7	299.0	0.7	14.4	2.3	199.
9.4	33.3	2709.5	725.0	0.1	-20.5	26.8	7.0	-3.1	-6.2	299.6	302.9	1.1	20.6	2.7	200.
10.3	35.8	3049.7	700.0	-1.4	-14.0	24.0	6.7	-2.7	-6.2	301.0	306.5	1.9	37.6	3.1	201.
11.4	38.6	3338.6	675.0	-2.9	-15.8	11.3	7.4	-1.5	-7.3	302.4	307.4	1.6	36.0	3.5	200.
12.3	41.2	3635.8	650.0	-4.5	-17.5	6.3	7.7	-0.8	-7.7	303.9	308.5	1.5	35.3	3.9	199.
13.4	44.1	3944.4	625.0	-6.8	-22.2	3.2	7.8	-0.4	-7.8	304.7	307.9	1.0	28.0	4.4	197.
14.5	47.0	4262.8	600.0	-7.5	-25.4	359.1	8.2	0.1	-8.2	307.4	309.8	0.7	20.2	4.9	196.
15.7	49.9	4592.8	575.0	-10.0	-28.9	356.0	8.5	0.6	-8.5	308.3	310.3	0.6	19.5	5.5	194.
16.8	52.9	4934.1	550.0	-12.1	-30.2	0.8	9.7	-0.1	-9.7	309.8	311.6	0.6	20.3	6.1	192.
18.2	56.0	5288.5	525.0	-14.1	-32.7	357.2	11.2	0.5	-11.2	311.5	313.0	0.5	18.9	6.9	191.
19.6	59.1	5656.5	500.0	-17.0	-34.8	344.8	11.2	2.9	-10.8	312.3	313.6	0.4	19.6	7.8	189.
21.0	62.3	6038.5	475.0	-20.7	-37.2	336.2	11.3	4.5	-10.3	312.3	313.5	0.3	20.9	8.6	185.
22.4	65.6	6435.8	450.0	-23.7	-40.6	337.3	12.2	4.7	-11.3	313.4	314.3	0.2	19.4	9.5	183.
24.0	69.0	6851.1	425.0	-26.4	-42.8	335.9	14.3	5.8	-13.0	315.2	315.9	0.2	19.4	10.6	180.
25.6	72.6	7286.2	400.0	-30.1	-45.5	330.1	15.6	7.8	-13.6	315.9	316.5	0.2	20.3	11.9	177.
27.3	76.2	7742.4	375.0	-33.4	-48.3	327.6	18.5	9.9	-15.6	317.4	317.8	0.1	20.5	13.5	173.
28.9	80.0	8222.5	350.0	-37.4	-51.5	319.4	20.7	13.5	-15.7	318.3	318.7	0.1	21.1	15.2	170.
30.7	84.0	8731.4	325.0	-40.7	99.9	311.3	22.9	17.2	-15.1	320.6	999.9	99.9	999.9	17.2	165.
32.6	88.0	9272.1	300.0	-44.7	99.9	289.5	21.9	20.6	-7.3	322.4	999.9	99.9	999.9	19.4	160.
34.6	92.3	9850.2	275.0	-48.3	99.9	279.5	37.5	37.0	-6.2	325.3	999.9	99.9	999.9	20.2	156.
36.5	96.8	10471.2	250.0	-53.2	99.9	297.2	46.7	41.5	-21.4	327.0	999.9	99.9	999.9	25.3	147.
38.5	101.6	11142.0	225.0	-58.4	99.9	297.0	50.7	45.2	-23.0	329.0	999.9	99.9	999.9	31.5	141.
41.5	106.8	11872.8	200.0	-63.9	99.9	297.6	49.8	44.1	-23.1	331.6	999.9	99.9	999.9	38.9	136.
44.2	112.3	12676.5	175.0	-64.2	99.9	305.0	33.8	27.7	-19.4	343.9	999.9	99.9	999.9	46.2	133.
46.0	118.3	13550.1	150.0	-58.3	99.9	292.9	21.3	19.6	-8.3	369.7	999.9	99.9	999.9	51.1	132.
52.1	124.8	14799.5	125.0	-58.9	99.9	287.2	18.3	17.5	-5.4	388.3	999.9	99.9	999.9	55.8	130.
57.1	132.0	16195.5	100.0	-60.2	99.9	289.4	16.9	15.9	-5.6	411.5	999.9	99.9	999.9	60.6	128.
63.5	139.7	17922.8	75.0	-56.5	99.9	297.9	11.6	10.3	-5.4	448.3	999.9	99.9	999.9	66.1	127.
72.6	148.0	20545.4	50.0	-54.6	99.9	318.5	4.7	3.1	-3.5	514.8	999.9	99.9	999.9	69.8	126.
84.6	157.0	25036.7	25.0	-49.5	99.9	999.9	999.9	99.9	99.9	642.4	999.9	99.9	999.9	71.1	127.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 563
OMAHA, NEBRASKA

2 MAY 1978
2302 GMT

198 21. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	400.6	970.7	15.4	-6.6	120.0	4.2	-3.6	2.1	291.2	298.3	2.5	22.0	0.0	0.
99.9	55.5	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	55.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.5	999.9	999.
1.3	10.7	591.8	950.0	13.4	-7.4	139.2	2.2	-1.4	1.6	290.8	297.3	2.3	22.7	0.2	296.
2.0	12.9	835.2	925.0	11.4	-7.7	147.4	1.7	-0.9	1.5	291.0	297.5	2.3	25.4	0.3	305.
3.0	15.2	1032.9	900.0	9.2	-8.3	155.6	2.5	-1.1	2.3	291.0	297.5	2.3	28.0	0.4	312.
4.3	17.5	1255.3	875.0	6.8	-8.9	136.9	4.3	-2.9	3.1	290.9	297.2	2.2	31.4	0.6	318.
5.1	19.8	1532.5	850.0	4.4	-9.4	124.0	4.6	-3.8	2.6	291.0	297.2	2.2	35.3	0.9	315.
6.0	22.1	1784.8	825.0	2.4	-9.9	124.1	4.2	-3.5	2.3	291.2	297.3	2.2	39.6	1.2	312.
6.9	24.5	1992.7	800.0	0.2	-9.6	137.4	3.6	-2.4	2.6	291.4	297.4	2.3	47.6	1.4	312.
7.5	27.0	2243.9	775.0	-2.3	-10.3	132.4	2.8	-2.1	1.9	291.3	297.4	2.2	54.1	1.5	313.
8.9	29.5	2555.5	750.0	-4.3	-14.6	121.2	4.2	-3.6	2.2	292.6	297.0	1.7	46.7	1.7	312.
9.5	32.0	2774.1	725.0	-0.8	-20.7	126.1	6.9	-5.6	4.1	298.4	300.1	0.4	8.9	2.1	310.
10.5	34.6	3055.6	700.0	0.8	-33.1	128.4	6.2	-4.4	5.1	303.4	304.9	0.4	7.6	2.5	310.
12.0	37.0	3347.2	675.0	0.7	-29.7	132.1	8.0	-5.9	5.4	306.5	308.4	0.5	8.1	3.1	310.
12.5	39.9	3642.8	650.0	-1.6	-24.2	135.7	6.8	-4.4	5.2	307.2	309.8	0.8	15.8	3.5	313.
13.8	42.6	3959.9	625.0	-3.5	-25.6	150.4	5.7	-2.8	5.0	308.5	310.9	0.8	16.0	3.8	312.
14.9	44.5	4295.8	600.0	-6.4	-27.7	154.9	4.7	-1.8	4.3	308.8	310.9	0.8	16.4	4.1	314.
15.3	48.1	4611.8	575.0	-8.7	-24.1	144.1	3.9	-2.3	3.2	309.9	312.0	0.6	18.5	4.4	315.
17.3	51.0	4954.7	550.0	-11.2	-33.2	143.6	4.3	-2.7	1.6	310.8	312.7	0.6	19.6	4.8	315.
18.5	54.1	5316.1	525.0	-13.8	-33.7	145.3	5.8	-3.1	4.7	311.9	313.3	0.6	16.6	5.2	316.
19.9	57.1	5679.4	500.0	-15.8	-36.6	145.5	5.7	-2.9	4.9	313.8	314.9	0.4	14.3	5.5	317.
22.0	60.4	6053.5	475.0	-19.4	-36.3	152.4	5.2	-2.4	4.6	314.0	315.0	0.3	16.8	5.8	318.
23.1	63.6	6452.7	450.0	-22.9	-39.9	138.5	4.4	-2.9	3.3	314.4	315.3	0.3	19.2	6.1	318.
24.5	67.0	6878.6	425.0	-26.2	-42.7	125.3	6.2	-5.8	3.6	315.4	316.1	0.3	19.3	7.0	317.
26.1	70.4	7314.5	400.0	-29.2	-45.7	116.6	5.6	-5.0	2.5	317.6	317.4	0.2	18.3	7.5	316.
26.8	74.3	7773.1	375.0	-34.0	-44.9	258.3	2.9	2.8	0.6	319.2	319.9	0.2	26.0	7.4	315.
27.6	77.7	8257.7	350.0	-33.3	-48.1	259.4	7.8	6.6	-5.0	321.5	322.0	0.2	24.8	7.5	315.
28.5	81.5	8769.6	325.0	-36.5	-51.6	239.1	17.2	15.6	-8.3	322.3	322.7	0.1	25.7	6.6	317.
30.2	85.6	9331.8	300.0	-40.5	99.9	252.1	27.4	25.4	-15.3	323.4	999.9	0.1	999.9	4.9	325.
32.4	89.8	9971.8	275.0	-47.6	99.9	276.1	33.9	33.7	-3.6	326.3	999.9	99.9	999.5	3.1	13.
35.4	94.4	10515.3	250.0	-52.3	99.9	254.5	40.0	38.6	10.7	328.4	999.9	99.9	999.9	8.6	65.
37.1	99.2	11129.6	225.0	-57.8	99.9	247.8	41.2	38.2	15.6	330.8	999.9	99.9	999.9	12.0	67.
39.3	104.5	11921.2	200.0	-62.5	99.9	259.4	38.6	37.9	6.9	333.8	999.9	99.9	999.9	17.6	67.
42.5	108.3	12739.4	175.0	-64.4	99.9	270.7	23.5	23.5	-1.9	345.6	999.9	99.9	999.9	23.6	74.
45.4	114.5	13655.7	150.0	-59.4	99.9	275.3	15.2	15.1	-1.4	347.8	999.9	99.9	999.9	26.5	77.
49.4	121.7	14612.2	125.0	-58.9	99.9	268.4	13.7	13.7	0.4	380.4	999.9	99.9	999.9	29.8	78.
53.9	131.5	16234.7	100.0	-59.2	99.9	283.9	11.3	11.8	-2.7	413.4	999.9	99.9	999.9	33.1	80.
55.5	145.5	18512.1	75.0	-59.3	99.9	285.9	8.7	8.4	-2.4	449.2	999.9	99.9	999.9	35.7	82.
67.2	155.3	20555.3	50.0	-56.4	99.9	320.4	5.1	3.2	-3.9	510.7	999.9	99.9	999.9	36.2	85.
79.0	165.3	25049.2	25.0	-58.4	99.9	231.9	1.8	0.7	1.7	620.6	999.9	99.9	999.9	38.4	85.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

2 MAY 1978
2315 GMT

156 9. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.5	847.0	918.4	13.3	-3.4	170.0	2.6	-0.5	2.6	293.5	302.5	3.2	31.0	0.0	0.
99.9	99.9	99.9	000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	13.9	1016.6	900.0	10.6	-6.1	999.9	999.9	99.9	99.9	292.5	300.0	2.7	30.2	999.9	999.
1.0	16.0	1249.7	875.0	7.6	-7.0	999.9	999.9	99.9	99.9	291.7	299.0	2.6	34.5	999.9	999.
1.5	18.1	1487.6	850.0	5.3	99.9	999.9	999.9	99.9	99.9	291.8	999.9	99.9	999.9	999.9	999.
2.0	20.2	1730.1	825.0	2.9	99.9	999.9	999.9	99.9	99.9	291.7	999.9	99.9	999.9	999.9	999.
2.6	22.4	1978.0	800.0	0.4	99.9	999.9	999.9	99.9	99.9	291.6	999.9	99.9	999.9	999.9	999.
3.5	24.6	2231.2	775.0	-2.5	99.9	999.9	999.9	99.9	99.9	291.1	999.9	99.9	999.9	999.9	999.
4.6	26.9	2492.7	750.0	0.2	-25.0	999.9	999.9	99.9	99.9	296.8	298.9	0.7	12.9	999.9	999.
5.6	29.2	2764.1	725.0	-0.3	-25.4	122.1	4.0	-3.4	2.1	299.2	301.3	0.7	12.9	9.9	318.
6.6	31.6	3043.8	700.0	-1.7	-26.4	141.9	5.4	-3.3	4.2	300.6	302.6	0.6	13.0	1.2	318.
7.7	34.0	3332.2	675.0	-3.2	-27.5	146.3	6.2	-3.5	5.2	302.1	304.0	0.6	13.2	1.6	320.
8.8	36.5	3630.1	650.0	-4.6	-24.5	138.6	6.0	-4.0	4.5	303.7	306.3	0.8	19.4	2.9	321.
9.9	39.1	3937.5	625.0	-6.7	-18.1	139.1	5.5	-3.6	4.2	304 8	309.3	1.5	40.1	2.4	320.
11.0	41.8	4254.8	600.0	-9.4	-12.4	154.3	4.4	-1.9	4.0	305.3	312.6	2.5	78.4	2.7	320.
12.2	44.6	4582.8	575.0	-11.4	-13.8	189.7	3.7	0.6	3.6	306.6	313.5	2.3	82.5	2.9	323.
13.4	47.3	4923.2	550.0	-12.9	-17.7	200.9	3.7	1.3	3.5	308.8	314.2	1.7	66.9	3.1	327.
14.6	50.3	5277.0	525.0	-14.6	-22.2	235.6	3.6	3.0	2.1	310.9	314.8	1.2	52.3	3.2	331.
15.9	53.3	5645.2	500.0	-16.9	-26.1	260.2	5.4	5.3	0.9	312.5	315.5	0.9	44.5	3.1	337.
17.3	56.4	6028.2	475.0	-19.8	-30.3	251.4	7.0	6.7	2.3	313.4	315.6	0.6	38.7	3.1	347.
18.7	59.6	6427.1	450.0	-23.0	-33.1	232.2	5.6	4.4	3.4	314.4	316.1	0.5	38.5	3.3	357.
20.3	63.0	6842.6	425.0	-27.0	-35.8	245.5	2.1	1.9	0.9	314.4	315.9	0.4	42.6	3.5	2.
21.8	66.4	7277.3	400.0	-30.2	-41.3	339.0	2.1	0.7	-2.0	315.7	316.6	0.3	32.8	3.5	2.
23.5	70.1	7732.9	375.0	-33.9	-46.5	321.9	5.3	3.3	-4.1	316.7	317.3	0.2	26.4	3.2	5.
25.2	74.0	8213.2	350.0	-37.0	-51.1	305.3	11.3	9.2	-6.5	318.8	319.2	0.1	21.2	2.8	19.
26.9	78.0	8721.9	325.0	-40.5	99.9	291.0	18.1	16.9	-6.5	320.9	999.9	99.9	999.9	3.0	50.
28.8	82.3	9262.3	300.0	-45.0	99.9	276.0	21.0	20.8	-2.2	321.9	999.9	99.9	999.9	4.8	73.
30.7	86.8	9837.2	275.0	-49.6	99.9	256.1	23.9	23.2	5.7	323.4	999.9	99.9	999.9	7.2	78.
33.0	91.6	10454.6	250.0	-54.1	99.9	235.2	28.5	23.4	16.3	325.7	999.9	99.9	999.9	10.7	73.
35.6	96.8	11123.2	225.0	-59.0	99.9	221.2	32.1	21.2	24.2	328.1	999.9	99.9	999.9	15.1	65.
37.9	102.5	11854.0	200.0	-62.0	99.9	227.8	30.3	22.4	20.4	334.5	999.9	99.9	999.9	19.5	59.
40.4	108.5	12677.6	175.0	-63.[illegible]	99.9	259.5	15.4	15.1	2.8	344.6	999.9	99.9	999.9	22.7	60.
43.6	115.3	13635.9	150.0	-60	99.9	260.9	9.7	9.5	1.5	366.4	999.9	99.9	999.9	24.6	62.
47.6	122.7	14776.2	125.0	-5	99.9	263.4	8.6	8.6	1.0	386.6	999.9	99.9	999.9	26.5	63.
52.3	131.0	16174.0	100.0	-56.5	99.9	271.4	6.1	6.1	-0.2	412.9	999.9	99.9	999.9	28.6	65.
58.1	140.0	17977.6	75.0	-59.5	99.9	272.5	6.9	6.9	-0.3	448.3	999.9	99.9	999.9	30.4	66.
66.1	150.0	20520.6	50.0	-57.5	99.9	256.8	4.2	4.1	1.0	508.0	999.9	99.9	999.9	32.6	71.
78.8	160.5	24958.5	25.0	-49.9	99.9	230.4	2.5	1.9	1.6	641.5	999.9	99.9	999.9	32.9	70.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SFC, ALABAMA

2 MAY 1978
2315 GMT

113 179. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	190.0	992.7	18.0	3.9	330.0	2.1	1.1	-1.8	291.8	305.5	5.1	39.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	5.3	333.7	975.0	17.0	2.1	52.3	2.5	-2.0	-1.5	292.3	304.7	4.6	36.7	0.4	186.
1.1	11.8	554.0	950.0	14.5	0.4	30.4	4.1	-2.1	-3.5	291.9	303.2	4.2	38.2	0.4	193.
1.1	14.3	778.4	925.0	12.4	-5.4	22.4	5.5	-2.1	-5.1	292.0	303.0	4.0	41.2	0.7	196.
2.0	16.8	1007.3	900.0	10.5	-0.8	34.9	4.5	-2.6	-3.7	292.0	303.4	4.0	45.3	0.9	198.
3.2	19.3	1241.1	875.0	8.5	-1.9	82.5	2.7	-2.7	-0.4	292.6	303.1	3.8	47.9	1.0	202.
3.5	21.9	1481.1	850.0	6.8	-1.9	102.0	2.7	-2.6	0.6	293.3	304.2	3.9	53.8	1.0	206.
4.6	24.6	1725.0	825.0	7.1	-26.9	349.0	2.9	0.6	-2.9	296.1	297.7	0.5	6.9	1.1	213.
5.3	27.2	1978.3	800.0	8.1	-3.3	302.6	6.5	5.4	-3.5	299.8	301.8	0.3	4.1	1.1	202.
6.1	29.9	2239.6	775.0	7.5	-29.3	291.0	8.0	7.5	-2.9	301.9	303.3	0.4	5.2	1.2	185.
6.8	32.7	2509.1	750.0	6.8	-27.0	288.2	9.4	9.1	-3.0	303.9	305.7	0.6	6.8	1.3	168.
7.5	35.4	2786.6	725.0	5.5	-13.0	286.3	11.1	10.6	-3.1	305.5	311.4	2.0	25.4	1.6	154.
8.5	38.2	3072.4	700.0	3.8	-11.3	289.4	13.3	12.5	-4.4	306.7	313.6	2.3	32.4	2.1	141.
9.3	41.1	3367.2	675.0	2.6	-17.8	290.4	14.1	13.1	-5.6	308.5	312.9	1.4	20.5	2.8	133.
10.2	44.1	3671.4	650.0	1.8	-22.8	286.5	19.5	18.7	-5.5	310.1	313.1	0.9	14.8	3.7	127.
11.5	47.1	3984.7	625.0	-2.0	-16.8	282.4	22.0	21.5	-4.7	310.1	314.5	1.4	26.5	4.7	122.
12.9	50.1	4308.6	600.0	-3.5	-17.2	281.4	23.5	23.1	-4.6	312.1	317.3	1.7	33.9	5.8	118.
14.5	53.3	4643.5	575.0	-5.1	-15.8	284.8	23.2	22.5	-5.9	314.1	320.2	1.9	42.5	7.1	115.
16.7	56.5	4991.5	550.0	-8.1	-16.5	285.5	21.7	20.9	-5.8	314.5	320.5	1.9	50.6	8.2	114.
18.4	59.8	5352.8	525.0	-11.2	-14.7	282.3	23.2	22.8	-5.0	315.0	320.3	1.7	53.6	9.4	112.
19.6	63.1	5728.3	500.0	-14.3	-19.6	283.5	24.7	24.1	-5.8	315.7	320.8	1.6	63.9	10.9	111.
20.5	66.6	6118.4	475.0	-17.3	-21.3	288.4	23.5	22.3	-7.4	316.5	321.3	1.5	71.2	12.2	110.
21.7	70.1	6523.7	450.0	-23.1	-23.7	290.7	24.8	23.2	-8.8	318.0	322.1	1.2	72.6	13.9	110.
22.9	73.8	6945.6	425.0	-23.1	-26.7	288.9	26.9	25.4	-8.7	319.4	322.7	1.0	72.8	15.8	110.
23.3	77.6	7377.0	400.0	-26.5	-29.7	288.2	26.0	24.7	-8.1	320.6	323.3	0.8	73.9	17.9	110.
23.7	81.5	7849.6	375.0	-29.6	-34.7	288.7	30.1	28.5	-9.7	322.5	324.3	0.5	60.8	20.2	110.
23.4	85.5	8328.7	350.0	-33.5	-38.3	286.7	39.3	37.7	-11.3	323.6	325.0	0.4	61.8	23.9	110.
25.3	89.8	8844.3	325.0	-37.5	-43.2	281.4	38.5	37.7	-7.6	325.0	325.9	0.2	54.6	28.3	109.
27.3	94.2	9392.2	300.0	-41.6	99.9	283.6	40.9	39.7	-9.6	326.7	999.9	99.9	99.9	32.9	108.
29.4	98.8	9978.7	275.0	-46.2	99.9	283.8	42.7	41.4	-10.2	328.3	999.9	99.9	999.9	38.2	107.
31.4	103.6	10603.5	250.0	-51.1	99.9	281.0	45.2	44.4	-8.4	330.2	999.9	99.9	999.9	43.6	107.
33.8	108.8	11272.1	225.0	-55.1	99.9	281.5	54.4	53.3	-10.9	334.0	999.9	99.9	999.9	50.0	106.
35.5	114.2	12025.0	200.0	-60.2	99.9	999.9	999.9	99.9	99.9	337.5	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33001
COLLEGE STATION, TEXAS

2 MAY 1978
2350 GMT

133 86. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	7	992.1	20.8	16.8	0.0	0.0	0.0	0.0	294.6	326.6	12.3	78.0	0.0	0.
99.9	99.9	9 .9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.5	229.7	975.0	19.7*	16.5	999.9	999.9	99.9	99.9	295.0	326.9	12.3	82.0	999.9	999.
1.2	10.6	452.9	950.0	16.4	14.7	999.9	999.9	99.9	99.9	293.9	323.0	11.2	89.3	999.9	999.
2.0	12.8	679.5	925.0	14.3	12.7	999.9	999.9	99.9	99.9	294.0	320.4	10.1	90.0	2.0	268.
2.8	15.1	911.9	900.3	15.0	13.2	123.6	17.9	-14.9	9.9	296.9	325.3	10.7	89.2	2.8	276.
3.8	17.3	1152.0	875.0	15.9	14.1	145.5	17.7	-10.0	14.6	300.3	331.6	11.7	89.2	3.6	286.
4.6	19.6	1398.5	850.0	14.8	13.1	155.0	18.7	-7.9	17.0	30 .7	332.0	11.2	89.2	4.3	294.
5.6	21.8	1651.7	825.0	13.7	12.1	164.8	17.2	-4.5	16.6	303.1	332.6	10.9	90.0	5.1	303.
6.6	24.3	1911.2	800.0	12.8	11.1	167.9	17.0	-3.6	16.7	304.8	333.5	10.5	89.8	5.9	310.
7.5	26.5	2178.3	775.0	11.4	9.8	175.8	18.6	-1.4	18.5	306.1	333.6	9.9	90.0	6.7	316.
8.5	29.1	2452.1	750.0	9.7	7.7	177.1	20.7	-1.1	20.7	307.1	332.0	8.9	87.7	7.6	322.
9.6	31.7	2733.8	725.0	10.5	-22.4	178.8	20.4	-0.4	20.4	311.0	314.8	1.2	11.6	8.7	327.
10.7	34.3	3025.0	700.0	9.1	-24.7	183.5	19.0	1.2	18.9	312.6	315.7	1.0	9.4	9.8	331.
11.9	36.8	3326.3	675.0	7.2	-4.0	186.7	21.5	2.5	21.3	313.7	326.3	4.2	44.8	11.0	335.
13.0	39.6	3638.3	650.0	4.8	-17.0	187.4	22.7	2.9	22.5	314.4	319.4	1.6	19.2	12.3	339.
14.3	42.2	3962.8	625.0	2.9	-25.4	190.7	21.8	4.1	21.4	315.8	318.4	0.8	10.4	13.9	343.
15.7	45.1	4301.2	600.0	0.1	-21.7	196.2	21.3	6.0	20.5	316.2	319.8	1.1	17.5	15.4	346.
16.9	48.2	4619.6	575.0	-2.9	-25.4	196.2	22.4	6.2	21.5	316.6	319.4	0.8	15.7	16.8	349.
18.2	51.0	4970.4	550.0	-5.3	-35.5	195.1	20.2	5.3	19.5	317.8	319.0	0.3	7.1	18.3	351.
19.6	54.1	5333.5	525.0	-7.9	-54.9	195.4	19.2	5.1	18.5	318.9	319.1	0.0	1.0	19.8	353.
21.3	57.1	5711.2	500.0	-10.2	-56.4	206.4	20.3	9.6	17.8	320.6	320.7	0.0	1.0	21.2	355.
22.4	60.6	6103.7	475.0	-13.6	-58.5	216.4	22.7	13.5	18.3	321.2	321.3	0.0	1.0	22.7	358.
24.1	64.0	6512.5	450.0	-16.7	-60.5	216.9	23.1	13.9	18.5	322.3	322.4	0.0	1.0	24.5	1.
25.9	67.3	6939.0	425.0	-20.4	-62.9	223.5	24.5	16.8	17.7	322.9	322.9	0.0	1.0	26.6	5.
27.8	70.9	7384.8	400.0	-23.7	-65.0	226.4	29.2	21.1	20.1	324.2	324.3	0.0	1.0	28.9	9.
29.8	74.7	7853.1	375.0	-27.3	-67.4	224.8	31.4	22.1	22.3	325.4	325.5	0.0	1.0	32.0	12.
31.7	78.7	8346.0	350.0	-31.2	-70.0	228.8	36.2	27.2	23.9	326.7	326.7	0.0	1.0	35.3	16.
33.8	82.7	8866.2	325.0	-35.6	-72.9	235.1	40.3	33.0	23.1	327.6	327.6	0.0	1.0	39.0	20.
35.5	86.8	9419.2	300.0	-36.7	-62.7	241.1	44.4	38.9	21.4	330.8	331.9	0.3	66.0	43.3	24.
38.1	91.4	10012.2	275.0	-42.7	99.9	244.9	48.2	43.7	20.5	333.4	999.9	99.9	999.9	48.0	29.
40.2	96.0	10647.6	250.0	-47.9	99.9	241.1	55.7	48.8	26.9	334.8	999.9	99.9	999.9	53.7	33.
42.5	101.0	11333.2	225.0	-54.1	99.9	250.1	40.5	38.1	13.8	335.5	999.9	99.9	999.9	59.5	36.
45.2	106.5	12083.9	200.0	-56.7	99.9	250.1	34.5	32.4	11.7	339.8	999.9	99.9	999.9	66.4	40.
48.1	112.3	12908.5	175.0	-64.1	99.9	240.8	34.5*	30.1	16.9	344.2	999.9	99.9	999.9	69.1	41.
52.0	118.6	13849.6	150.0	-64.0	99.9	244.0	52.0*	46.7	22.8	359.9	999.9	99.9	999.9	79.8	43.
55.8	126.0	14906.7	125.0	-64.6	99.9	247.5	37.7*	34.8	14.4	378.0	999.9	99.9	999.9	91.0	47.
61.0	134.3	16321.0	100.0	-67.7	99.9	999.9	999.9*	99.9	99.9	397.0	999.9	99.9	999.9	97.1	48.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

3 May 1978

0300 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

3 MAY 1978
200 GMT

162 13. C

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.0	7.0	1010.4	21.7	20.9	160.0	2.1	-0.7	2.0	294.0	334.1	15.6	95.0	0.0	0.
0.3	5.5	97.1	1000.0	21.3	20.2	999.9	99.9	99.9	99.9	294.4	333.3	15.1	93.6	999.9	999.
1.2	8.1	316.7	975.0	19.9	18.5	999.9	999.9	99.9	99.9	295.2	331.2	13.9	91.7	999.9	999.
2.0	10.4	541.1	950.0	19.9	13.5	146.5	3.6	-2.0	3.0	297.4	325.0	10.4	66.8	0.5	338.
2.9	12.7	772.1	925.0	21.2	8.6	172.6	2.1	-0.3	2.1	301.0	322.1	7.7	44.7	0.7	336.
3.8	15.0	1008.6	900.0	19.3	7.7	215.4	1.7	1.0	1.4	301.4	321.7	7.4	46.9	0.7	340.
4.7	17.4	1250.6	875.0	18.2	1.3	210.3	2.0	1.0	1.8	302.7	316.5	4.9	32.6	0.8	347.
5.7	19.7	1498.2	850.0	17.1	-0.9	192.6	2.5	0.5	2.5	304.1	316.4	4.3	29.6	0.9	351.
6.6	22.2	1751.8	825.0	14.9	6.1	206.7	3.1	1.4	2.8	304.3	324.4	7.2	55.6	1.1	354.
7.5	24.6	2011.6	800.0	13.1	2.1	229.8	3.3	2.5	2.1	305.2	321.3	5.7	48.1	1.2	0.
8.6	27.2	2278.0	775.0	11.0	8.3	248.4	4.4	4.1	1.6	305.7	330.5	9.0	83.6	1.3	9.
9.6	29.7	2551.4	750.0	9.2	7.7	243.5	6.7	6.0	3.0	306.6	331.2	8.8	90.1	1.5	20.
10.7	32.3	2832.1	725.0	7.9	-15.3	242.3	8.4	7.4	3.9	308.1	317.0	3.1	33.9	1.9	30.
11.7	34.9	3121.9	700.0	8.9	-44.4	247.0	9.0	8.3	3.5	312.4	312.7	0.1	1.0	2.4	37.
12.7	37.6	3421.6	675.0	7.0	-45.6	252.0	10.2	9.7	3.2	313.5	313.8	0.1	1.0	2.9	43.
13.9	40.3	3730.0	650.0	4.8	-47.0	258.5	11.3	11.1	2.3	314.4	314.7	0.1	1.0	3.6	50.
15.1	43.1	4047.9	625.0	2.4	-46.5	261.4	12.5	12.4	1.9	315.2	315.5	0.1	1.0	4.3	55.
16.3	46.0	4375.3	600.0	-0.7	-50.4	264.9	13.8	13.7	1.2	315.3	315.6	0.1	1.0	5.2	61.
17.6	48.9	4713.2	575.0	-3.6	-45.6	267.9	14.7	14.7	0.5	315.7	316.1	0.1	2.2	6.2	65.
18.8	51.9	5062.6	550.0	-6.6	-13.3	271.6	14.9	14.9	-0.4	316.2	324.0	2.5	59.0	7.2	68.
20.2	55.0	5424.0	525.0	-9.4	-31.4	272.7	15.8	15.7	-0.7	317.1	318.9	0.5	14.7	8.4	72.
21.4	58.1	5799.0	500.0	-12.5	-56.1	269.9	15.4	15.4	0.0	317.8	318.0	0.0	1.5	9.5	75.
22.8	61.4	6189.0	475.0	-15.1	-37.3	269.4	16.0	16.0	0.2	319.3	320.4	0.3	13.0	10.8	76.
24.2	64.8	6595.4	450.0	-17.9	-23.8	265.7	16.8	16.8	1.3	320.7	324.8	1.2	60.1	12.1	78.
25.6	68.1	7020.4	425.0	-21.0	-23.3	263.1	17.1	16.9	2.1	322.1	326.7	1.4	81.7	13.6	78.
27.4	71.8	7465.5	400.0	-24.5	-28.9	264.7	17.7	17.7	1.6	323.2	326.2	0.9	66.2	15.3	79.
29.1	75.5	7933.5	375.0	-27.4	-30.9	267.9	18.3	18.3	0.7	325.3	328.0	0.8	71.8	17.2	80.
31.0	79.3	8427.3	350.0	-30.5	-35.2	265.1	19.7	19.7	1.7	327.7	329.6	0.5	63.0	19.2	81.
33.0	83.4	8950.4	325.0	-33.5	-37.9	268.1	23.0	23.0	0.8	330.5	332.1	0.4	64.1	21.9	81.
35.3	87.7	9506.1	300.0	-36.8	-47.9	275.5	27.0	26.9	-2.6	330.7	331.3	0.2	37.5	25.0	82.
37.5	92.0	10093.0	275.0	-43.2	99.9	281.4	31.8	31.2	-6.3	332.6	999.9	99.9	999.9	29.2	85.
39.9	96.7	10734.3	250.0	-47.4	99.9	284.1	30.4	29.5	-7.4	335.6	999.9	99.9	999.9	33.1	87.
42.7	101.8	11422.8	225.0	-52.3	99.9	279.3	41.8	41.3	-6.8	338.4	999.9	99.9	999.9	38.9	89.
45.3	107.0	12175.6	200.0	-57.9	99.9	276.1	52.5	52.2	-5.6	341.1	999.9	99.9	999.9	46.3	91.
48.6	113.0	13003.9	175.0	-63.4	99.9	274.3	56.0	55.8	-4.2	345.3	999.9	99.9	999.9	57.2	91.
52.5	119.3	13950.6	150.0	-68.8	99.9	273.6	62.5	62.3	-4.0	356.8	999.9	99.9	999.9	70.7	92.
55.5	126.3	15041.3	125.0	-71.8	99.9	284.0	42.5	41.2	-10.3	365.0	999.9	99.9	999.9	81.0	93.
56.5	134.0	16367.1	100.0	-66.7	99.9	279.7	27.6	27.2	-4.7	398.9	999.9	99.9	999.9	88.2	94.
65.6	142.5	18103.8	75.0	-64.7	99.9	270.6	14.5	14.5	-0.1	437.2	999.9	99.9	999.9	95.6	94.
74.8	151.7	20584.1	50.0	-63.3	99.9	286.0	6.7	6.5	-1.9	494.4	999.9	99.9	999.9	99.9	94.
90.5	161.0	25061.4	25.0	-52.7	99.9	999.9	999.9	99.9	99.9	633.1	999.9	99.9	999.9	99.7	94.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

3 MAY 1978
215 GMT

167 16. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	4.4	1.0	1007.0	23.2	22.5	120.0	6.1	-5.3	3.0	295.8	340.6	17.4	96.8	0.0	0.
0.3	4.9	61.8	1000.0	22.1	99.9	131.6	11.9	-8.9	7.9	295.2	999.9	99.9	999.9	0.2	316.
1.0	7.1	282.2	975.0	21.9	20.9	141.5	12.2	-7.6	9.5	297.2	339.5	16.2	94.2	0.7	312.
1.8	9.5	508.8	950.0	21.2	20.2	156.2	11.4	-4.6	10.4	298.7	340.5	15.9	94.0	1.2	328.
2.7	11.8	740.6	925.0	20.2	19.1	161.9	11.5	-3.6	10.9	300.0	340.3	15.3	93.4	1.8	328.
3.7	14.3	977.6	900.0	19.0	17.1	157.2	13.1	-5.1	12.1	301.1	338.0	13.8	88.8	2.5	331.
4.6	16.7	1220.4	875.0	16.1	15.4	155.1	13.0	-6.5	11.8	302.6	336.9	12.7	84.5	3.2	332.
5.6	19.2	1468.5	850.0	15.9	13.9	155.4	12.6	-5.2	11.5	302.8	335.8	11.9	88.2	3.9	333.
6.5	21.6	1723.2	825.0	17.2	5.0	162.8	13.3	-3.9	12.7	306.8	325.9	6.8	45.2	4.7	333.
7.5	24.3	1985.2	800.0	15.4	7.2	169.4	11.5	-2.1	11.4	307.6	330.2	8.0	57.8	5.4	335.
8.5	26.8	2254.3	775.0	13.8	6.5	175.4	10.9	-0.9	10.9	308.7	330.9	7.9	61.8	6.0	337.
9.4	29.6	2530.4	750.0	11.9	5.3	186.3	9.5	1.0	9.5	309.5	330.9	7.5	63.9	6.5	339.
10.4	32.4	2813.6	725.0	9.6	2.9	199.7	10.1	3.4	9.5	309.9	328.7	6.5	63.8	7.0	342.
11.5	35.2	3104.6	700.0	8.0	6.9	210.7	12.1	6.2	10.4	311.4	336.9	9.0	92.4	7.5	345.
12.5	38.0	3404.2	675.0	5.9	3.5	218.9	13.6	8.6	10.6	312.3	333.4	7.3	84.5	8.1	350.
13.6	40.9	3712.7	650.0	3.5	1.2	219.6	15.1	9.6	11.6	312.9	331.7	6.5	85.1	8.7	354.
14.6	43.9	4030.0	625.0	1.0	-3.9	220.4	16.9	10.9	12.9	313.6	327.3	4.6	70.1	9.4	359.
15.6	47.1	4357.6	600.0	-0.4	-7.8	227.9	18.9	14.0	12.6	315.7	326.5	3.5	57.0	10.2	3.
17.0	50.3	4696.6	575.0	-2.9	-12.9	230.3	20.2	15.6	12.9	316.6	324.3	2.5	45.9	11.3	9.
18.5	53.4	5047.1	550.0	-5.6	-18.0	233.8	20.7	16.7	12.2	317.5	322.9	1.7	36.8	12.7	15.
19.8	56.7	5410.1	525.0	-8.4	-30.4	244.4	18.7	16.8	8.1	318.3	320.3	0.6	15.2	13.9	19.
21.0	60.2	5787.0	500.0	-10.7	-33.3	255.1	18.1	17.5	4.6	319.9	321.5	0.5	13.5	14.8	23.
22.2	63.9	6179.3	475.0	-13.6	-22.3	261.1	18.4	18.2	2.9	321.1	325.6	1.4	48.6	15.6	27.
23.5	67.3	6568.6	450.0	-16.1	-21.0	260.8	19.4	19.2	3.1	323.0	328.2	1.6	65.4	16.5	31.
25.2	71.0	7017.4	425.0	-18.6	-24.1	260.1	18.7	18.4	3.2	325.2	329.5	1.3	61.8	17.9	36.
26.7	75.0	7467.3	400.0	-21.3	-27.1	266.8	14.6	14.6	0.8	327.4	330.9	1.0	59.0	18.9	39.
28.4	79.2	7940.6	375.0	-24.8	-31.0	270.6	14.6	14.6	-0.1	328.8	331.5	0.8	55.7	19.9	43.
30.0	83.2	8438.7	350.0	-28.8	-33.8	277.0	15.7	15.6	-1.9	329.9	332.2	0.6	61.8	20.8	46.
31.6	87.4	8964.3	325.0	-33.8	-37.9	267.2	19.4	19.3	0.9	331.2	332.8	0.4	61.3	22.0	49.
33.5	92.0	9523.0	300.0	-36.5	-42.0	269.4	30.2	30.2	0.3	333.9	335.0	0.3	56.4	24.0	52.
35.2	96.6	10119.9	275.0	-41.4	99.9	272.9	39.3	39.3	-2.0	336.3	999.9	99.9	999.9	27.0	58.
37.2	101.6	10759.3	250.0	-47.0	99.9	271.1	46.1	46.1	-0.9	336.2	999.9	99.9	999.9	31.3	63.
39.7	107.0	11447.6	225.0	-53.0	99.9	274.0	48.1	48.0	-3.4	337.3	999.9	99.9	999.9	37.7	68.
42.6	112.5	12197.1	200.0	-58.4	99.9	273.8	47.3	47.2	-3.1	340.4	999.9	99.9	999.9	45.3	73.
45.7	118.5	13027.6	175.0	-63.8	99.9	270.0	56.0	56.0	0.0	344.7	999.9	99.9	999.9	54.2	76.
48.8	125.0	13958.0	150.0	-68.4	99.9	264.3	57.0	56.7	5.6	352.3	999.9	99.9	999.9	64.7	78.
52.2	132.0	15037.3	125.0	-72.9	99.9	266.8	49.7	49.6	2.7	362.9	999.9	99.9	999.9	75.6	79.
56.5	139.5	16343.6	100.0	-77.8	99.9	273.5	25.1	25.1	-1.5	385.2	999.9	99.9	999.9	84.9	80.
62.6	147.3	18069.3	75.0	-67.2	99.9	265.1	9.4	9.4	0.8	432.2	999.9	99.9	999.9	90.0	81.
71.8	156.3	20538.3	50.0	-62.1	99.9	145.1	5.2	-3.0	4.2	497.2	999.9	99.9	999.9	92.7	80.
88.5	167.0	24938.1	25.0	-50.5	99.9	179.2	3.0	-0.0	3.0	639.4	999.9	99.9	999.9	91.1	80.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

3 MAY 1978
200 GMT

70 381. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	100.0	997.2	18.9	13.1	80.0	2.6	-2.6	-0.5	292.3	317.2	9.6	69.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	0.0	293.5	975.0	17.8	10.6	80.5	10.4	-10.2	-1.7	293.1	315.0	8.3	62.6	0.3	262.
1.7	11.1	515.7	950.0	16.9	8.9	81.5	14.3	-14.1	-2.1	294.3	314.5	7.6	59.4	1.0	260.
2.6	13.5	742.7	925.0	15.1	9.3	86.4	14.7	-14.7	-0.9	294.8	316.0	8.0	67.9	2.0	261.
3.7	15.8	975.4	900.0	15.8	14.9	105.4	11.6	-11.2	3.1	297.8	329.5	12.0	94.5	2.7	265.
4.5	18.1	1215.4	875.0	15.2	14.9	119.1	11.5	-10.1	5.6	299.6	332.4	12.3	98.2	3.2	269.
5.2	20.5	1461.1	850.0	13.4	13.1	126.9	10.9	-8.7	6.5	300.2	330.4	11.3	97.9	3.6	274.
6.0	22.9	1712.8	825.0	12.2	11.9	139.5	8.3	-5.4	6.3	301.5	330.4	10.7	97.7	4.0	278.
6.8	25.4	1970.9	800.0	10.7	10.3	138.9	5.9	-3.9	4.4	302.5	329.5	9.9	97.5	4.2	281.
7.7	28.0	2235.7	775.0	9.6	9.2	171.6	4.0	-0.6	4.0	304.1	330.2	9.5	97.3	4.4	283.
8.5	30.4	2503.2	750.0	8.1	7.7	217.0	3.3	2.0	2.6	305.4	330.0	8.9	97.1	4.4	285.
9.4	33.0	2786.0	725.0	6.7	6.4	244.2	5.3	4.7	2.3	306.8	330.3	8.4	97.9	4.3	287.
10.4	35.6	3075.7	700.0	4.3	4.0	263.5	9.2	9.2	1.1	307.2	328.0	7.3	98.3	3.9	291.
11.5	38.2	3372.0	675.0	3.1	2.8	268.8	13.0	13.0	0.3	309.1	329.0	7.0	97.7	3.2	296.
12.6	41.0	3677.2	650.0	1.3	0.8	270.8	13.8	13.8	-0.2	310.4	328.5	6.3	96.4	2.4	305.
14.9	43.8	3992.3	625.0	-0.9	-1.0	292.3	12.5	11.5	-4.7	311.4	328.1	5.7	99.4	1.3	344.
16.8	46.7	4318.4	600.0	-1.5	-2.3	282.6	18.7	18.2	-4.1	314.3	330.4	5.4	94.9	1.2	61.
19.0	49.6	4656.6	575.0	-4.3	-5.3	277.5	22.3	22.1	-2.9	315.0	328.5	4.5	92.6	4.3	86.
21.6	52.5	5009.4	550.0	-6.3	-7.3	269.6	19.8	19.8	0.2	316.6	328.8	4.0	93.0	7.3	90.
24.2	55.6	5369.0	525.0	-8.7	-9.9	261.9	21.4	21.1	3.0	317.9	328.5	3.4	91.2	10.4	95.
25.1	56.8	5745.5	500.0	-10.2	-11.3	243.9	23.1	20.7	10.2	320.7	330.7	3.2	91.0	12.6	87.
27.2	60.0	6140.8	475.0	-12.0	-13.4	231.3	24.5	19.1	15.3	323.1	332.2	2.9	89.1	14.3	83.
28.6	61.3	6553.0	450.0	-14.8	-16.4	228.4	25.3	18.9	16.8	324.7	332.3	2.3	86.9	16.0	79.
30.1	66.7	6983.7	425.0	-18.4	-20.4	229.2	26.5	20.1	17.3	325.3	331.2	1.8	84.3	18.1	75.
31.6	72.3	7435.0	400.0	-19.9	-22.3	999.9	999.9	99.9	99.9	329.1	334.4	1.6	81.4	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

3 MAY 1978
200 GMT

140 41. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.2	5.0	1001.7	21.7	18.5	60.0	6.1	-5.3	-3.0	294.7	329.8	13.5	82.8	0.0	0.
0.1	6.4	19.8	1000.0	21.7	18.8	65.9	6.8	-6.2	-2.8	294.8	330.7	13.8	83.8	0.1	338.
1.0	8.5	240.6	975.0	21.7	21.0	99.9	11.7	-11.5	2.0	297.0	339.3	16.3	95.8	0.6	260.
1.8	10.6	466.7	950.0	20.4	19.7	117.7	15.6	-13.8	7.2	297.9	338.4	15.5	95.6	1.2	275.
2.6	12.6	697.7	925.0	19.4	18.6	126.1	18.4	-14.8	10.8	299.2	338.2	14.8	95.4	2.1	288.
3.8	14.8	933.9	900.0	18.2	17.4	132.5	18.8	-13.9	12.7	300.3	337.7	14.1	95.3	3.2	295.
4.8	16.9	1175.9	875.0	17.5	16.8	141.1	19.2	-12.0	14.9	302.0	339.3	13.9	95.9	4.3	301.
5.6	19.1	1424.7	850.0	17.2	16.5	151.4	20.6	-9.9	18.1	304.2	342.2	14.1	95.7	5.2	305.
6.4	21.3	1680.0	825.0	15.8	15.1	162.3	19.3	-5.9	18.4	305.3	341.3	13.2	95.6	6.1	310.
7.3	23.5	1941.7	800.0	13.5	12.7	172.0	19.3	-2.7	19.1	305.5	337.4	11.7	94.8	6.8	315.
8.9	25.8	2208.7	775.0	11.4	10.6	172.9	21.4	-2.6	21.3	306.1	334.9	10.5	94.9	8.5	323.
9.9	28.1	2482.5	750.0	9.4	2.0	172.8	21.7	-2.7	21.5	306.8	323.6	5.9	59.9	9.8	328.
11.0	30.5	2765.8	725.0	14.2	2.0	180.5	19.2	0.2	19.2	311.7	329.5	6.1	53.2	10.9	331.
12.2	32.9	3058.4	700.0	10.2	-16.3	189.8	20.6	3.5	20.3	313.8	318.6	1.5	13.8	12.0	334.
13.4	35.3	3359.8	675.0	8.7	-41.6	197.4	20.8	6.2	19.8	315.4	316.0	0.1	1.4	13.2	338.
14.7	37.8	3670.8	650.0	6.8	-40.3	199.3	22.1	7.3	20.8	316.7	317.9	0.4	3.6	14.6	343.
16.0	40.4	3991.1	625.0	4.2	-29.4	199.8	23.8	8.1	22.4	317.2	319.3	0.6	7.6	16.0	346.
17.3	43.0	4321.1	600.0	1.1	-18.4	205.9	24.2	10.5	21.8	317.4	322.2	1.5	21.6	17.6	350.
18.6	45.7	4661.4	575.0	-1.9	-17.2	209.9	24.0	12.0	20.8	317.8	323.4	1.7	29.9	19.2	354.
20.0	48.4	5013.4	550.0	-4.2	-27.1	216.7	22.5	13.4	18.1	319.1	321.6	0.7	14.7	20.7	357.
21.4	51.3	5377.7	525.0	-6.8	-38.1	227.1	22.8	16.7	15.5	320.2	321.5	0.4	8.2	22.1	0.
22.7	54.2	5756.5	500.0	-9.8	-32.0	235.5	23.0	19.0	13.1	321.2	323.0	0.5	14.9	23.2	4.
24.1	57.3	6150.0	475.0	-13.1	-25.7	236.2	21.8	18.2	12.2	321.7	325.0	1.0	33.7	24.5	8.
25.6	60.3	6559.1	450.0	-16.8	-27.6	232.4	21.6	17.1	13.2	322.1	325.0	0.9	38.5	25.8	11.
27.3	63.5	6986.5	425.0	-19.3	-62.2	238.9	20.4	17.5	10.6	324.3	324.3	0.0	1.8	27.3	14.
29.0	66.8	7434.1	400.0	-22.6	-64.4	243.6	22.6	20.2	10.0	325.6	325.6	0.0	1.0	28.8	17.
30.8	70.3	7903.8	375.0	-26.3	-66.7	242.1	25.1	22.2	11.8	326.8	326.9	0.0	1.0	30.7	20.
32.7	73.8	8398.5	350.0	-30.4	-69.5	248.5	27.1	25.2	9.9	327.7	327.8	0.0	1.0	32.9	24.
34.8	77.5	8921.0	325.0	-34.6	-72.2	250.4	35.2	33.2	11.8	329.0	329.0	0.0	1.0	35.5	28.
37.0	81.5	9475.6	300.0	-38.1	-74.5	251.8	43.1	40.9	13.5	331.7	331.7	0.0	1.0	39.7	34.
39.3	85.5	10070.1	275.0	-41.7	99.9	252.6	47.0	44.9	14.0	334.8	999.9	99.9	999.9	44.7	39.
41.8	90.0	10710.3	250.0	-46.2	99.9	252.5	48.9	46.7	14.7	337.4	999.9	99.9	999.9	50.9	43.
44.3	94.6	11403.5	225.0	-51.4	99.9	253.3	45.0	43.1	13.0	339.7	999.9	99.9	999.9	57.0	47.
47.5	99.6	12157.9	200.0	-58.2	99.9	257.4	33.8	32.9	7.4	340.7	999.9	99.9	999.9	64.0	50.
50.8	105.0	12989.4	175.0	-61.9	99.9	248.6	41.9*	39.0	15.3	347.8	999.9	99.9	999.9	70.2	52.
54.0	111.0	13928.7	150.0	-66.4	99.9	254.3	54.4*	52.4	14.8	355.8	999.9	99.9	999.9	79.8	54.
57.8	117.8	15024.3	125.0	-68.2	99.9	260.1	38.8*	38.2	6.7	371.5	999.9	99.9	999.9	90.3	57.
62.3	125.0	16355.9	100.0	-70.7	99.9	258.1	24.3*	23.8	5.0	381.2	999.9	99.9	999.9	97.1	59.
68.6	133.3	18099.1	75.0	-64.6	99.9	257.9	7.6**	7.4	1.6	437.5	999.9	99.9	999.9	101.8	60.
78.4	142.0	20581.1	50.0	-61.5	99.9	238.5	7.7	6.6	4.0	498.5	999.9	99.9	999.9	101.9	60.
95.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

3 MAY 1978
200 GMT

133 84. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	124.0	990.7	15.6	6.3	70.0	7.1	-6.7	-2.4	289.5	305.6	6.1	54.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.7	259.4	975.0	14.4	6.1	85.8	12.2	-12.2	-0.0	289.7	305.8	6.1	57.4	0.3	272.
1.3	10.7	478.3	950.0	12.6	5.4	93.1	16.0	-16.0	0.9	290.0	305.7	5.9	61.6	0.9	272.
1.9	12.7	701.7	925.0	10.8	6.2	95.6	20.3	-20.2	2.0	290.4	307.5	6.5	73.7	1.7	272.
2.7	14.8	930.0	900.0	10.2	9.7	112.6	23.5	-21.7	9.0	292.1	314.2	8.4	96.4	2.7	276.
3.6	16.9	1166.1	875.0	15.4	15.1	136.8	21.4	-14.7	15.6	296.8	333.2	12.5	98.1	3.8	284.
4.6	19.0	1415.0	850.0	15.1	14.8	147.3	18.8	-10.1	15.8	302.0	335.8	12.6	97.9	4.6	293.
5.3	21.2	1668.3	825.0	14.0	13.7	148.2	17.8	-9.4	15.1	303.4	336.0	12.0	97.7	5.4	298.
6.3	23.5	1928.4	800.0	12.6	12.2	159.9	17.5	-6.0	16.4	304.6	335.3	11.2	97.0	6.3	304.
7.3	25.8	2195.5	775.0	11.8	11.2	163.4	17.3	-5.0	16.6	306.5	336.6	10.9	96.5	7.2	309.
8.3	28.0	2469.9	750.0	10.3	9.8	163.9	16.8	-4.7	16.2	307.8	336.3	10.2	96.5	8.0	313.
9.3	30.4	2751.9	725.0	8.1	7.4	163.6	15.8	-4.5	15.2	308.4	333.7	9.0	95.4	8.9	317.
10.4	32.8	3041.3	700.0	5.9	5.1	164.8	15.4	-4.0	14.9	309.1	331.5	7.9	94.4	9.9	319.
11.-	35.3	3338.8	675.0	4.0	3.0	165.7	16.2	-4.0	15.7	310.1	330.3	7.1	93.4	10.6	321.
12.0	37.6	3645.9	650.0	3.1	2.1	167.4	17.3	-3.8	16.9	312.4	332.4	6.9	93.3	11.2	323.
12.-	40.4	3963.6	625.0	1.3	0.3	169.5	18.0	-3.3	17.7	313.9	332.3	6.3	93.3	11.7	324.
13.0	43.2	4291.9	600.0	-1.1	-2.1	174.6	17.1	-1.6	17.0	314.9	331.1	5.5	92.5	12.2	325.
13.7	46.0	4630.3	575.0	-3.1	-4.1	177.6	18.3	-0.8	18.3	316.4	331.2	4.9	92.6	12.8	327.
14.2	48.8	4[illegible].0	550.0	-2.2	-4.0	181.7	19.8	0.6	19.8	321.5	337.3	5.2	87.1	13.3	328.
15.1	51.8	5351.5	525.0	-6.9	-9.6	195.1	20.9	5.5	20.2	320.2	331.1	3.5	81.2	14.1	331.
16.-	54.9	5727.6	500.0	-12.4	-15.7	198.8	24.8	8.0	23.4	317.9	325.1	2.3	76.3	15.5	337.
16.4	58.0	6117.6	475.0	-13.3	-16.8	200.7	24.5	8.7	22.9	321.5	328.4	2.2	75.2	17.9	343.
20.-	61.3	6523.6	450.0	-19.4	-27.0	212.3	23.5	12.5	19.8	318.9	322.0	0.9	50.5	19.4	347.
21.-	64.7	6945.8	425.0	-22.6	-30.8	215.5	23.0	13.?	18.7	320.0	322.4	0.7	46.9	20.8	351.
23.0	68.3	7388.0	400.0	-26.0	-34.5	222.1	23.0	15.4	17.1	321.2	323.0	0.5	44.6	22.3	355.
24.-	72.0	7852.6	375.0	-26.6	-37.2	227.0	25.2	18.4	17.2	323.8	325.3	0.4	42.9	24.1	0.
26.4	76.0	8342.8	350.0	-32.9	-40.5	233.2	24.7	19.8	14.8	324.3	325.5	0.3	46.5	26.0	5.
28.1	80.0	8864.2	325.0	-34.0	-40.0	247.5	21.0	19.4	8.0	329.8	331.1	0.4	54.4	27.1	8.
29.-	84.3	9423.1	300.0	-38.3	-44.6	263.8	19.9	19.7	2.1	331.4	332.3	0.2	51.2	28.0	12.
31.-	88.8	10012.6	275.0	-43.1	99.9	264.0	22.0	21.9	2.3	332.7	999.9	99.9	999.9	28.8	17.
33.9	93.7	10647.1	250.0	-48.4	99.9	261.0	26.1	25.8	4.1	334.2	999.9	99.9	999.9	30.1	22.
36.3	99.0	11332.7	225.0	-54.6	99.9	262.5	33.0	32.8	4.3	334.9	999.9	99.9	999.9	32.4	28.
38.7	104.6	12074.0	200.0	-61.1	99.9	254.9	37.9	36.6	9.9	336.0	999.9	99.9	999.9	35.8	35.
41.1	110.6	12894.4	175.0	-66.3	99.9	241.9	40.6	35.8	19.1	340.5	999.9	99.9	999.9	40.6	39.
43.6	117.5	13828.0	150.0	-65.8	99.9	252.9	40.4	38.6	11.9	356.8	999.9	99.9	999.9	47.0	43.
47.0	125.0	14940.0	125.0	-66.0	99.9	253.7	26.9	25.9	7.5	375.5	999.9	99.9	999.9	52.4	47.
51.1	133.3	16299.4	100.0	-66.1	99.9	999.9	999.9	99.9	99.9	400.0	999.9	99.9	999.9	58.7	49.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 258
[illegible] ORIAL, TEXAS

J DAY 1978
[illegible] GMT

146 30. 0

TIME MIN	GNTCT	HEIGHT GPM	PRES MB	[illegible] DG C	[illegible] DG	[illegible] M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.4	33.0	997.7	21.0	[illegible]	1.5	0.0	-1.5	296.4	341.6	17.5	97.0	0.0	0.
55.9	55.9	99.9	1000.0	[illegible]	[illegible]	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	2.3	234.5	975.0	[illegible]	[illegible]	2.1	0.1	-2.1	297.5	340.2	16.4	93.1	0.0	175.
1.5	10.4	460.9	950.0	[illegible]	[illegible]	1.5	0.0	-1.5	298.5	339.5	15.6	93.3	0.1	183.
2.3	12.5	652.0	925.0	[illegible]	[illegible]	1.7	1.0	-1.3	298.9	336.2	14.1	92.6	0.2	175.
3.3	14.7	927.8	900.0	[illegible]	[illegible]	2.5	1.9	-1.6	299.7	333.9	12.9	90.0	0.3	157.
4.3	16.9	1169.4	875.0	[illegible]	[illegible]	4.7	3.5	-3.1	301.8	335.5	12.5	87.2	0.5	149.
5.0	19.1	1417.1	850.0	[illegible]	[illegible]	6.8	5.8	-3.5	302.3	333.8	11.7	89.1	0.7	140.
5.8	21.4	1670.8	825.0	[illegible]	[illegible]	13.4	10.9	-7.0	304.3	331.9	10.1	78.4	1.1	134.
6.6	23.6	1931.6	800.0	[illegible]	[illegible]	20.3	16.0	-12.5	306.7	327.8	7.5	57.7	1.9	131.
7.4	26.0	2199.2	775.0	[illegible]	[illegible]	20.1	16.5	-11.4	307.7	326.3	6.5	53.8	3.0	130.
8.2	28.3	2474.5	750.0	[illegible]	[illegible]	18.-	14.4	-7.7	309.4	320.0	3.6	30.8	3.8	128.
9.1	30.8	2757.1	725.0	-12.3	295.0	16.7	13.5	-7.1	310.9	317.4	2.1	19.4	4.8	124.
10.1	33.2	3048.3	700.0	-14.8	277.8	16.3	15.9	-2.3	312.7	318.1	1.7	16.6	5.6	118.
11.2	35.7	3348.2	675.0	-14.6	237.3	15.9	14.8	3.6	313.2	319.0	1.8	20.1	6.4	110.
12.3	38.3	3656.4	650.0	-14.6	243.4	16.6	14.8	7.4	313.2	323.0	3.2	41.4	7.1	103.
13.4	40.9	3973.4	625.0	-8.1	235.-	16.4	13.5	9.3	313.3	323.6	3.5	54.0	7.8	98.
14.4	43.6	4299.8	600.0	-7.6	229.1	17.2	13.0	11.3	313.2	323.6	3.1	57.0	8.5	91.
15.6	46.2	4636.5	575.0	-9.4	220.5	[illegible]	11.-	13.9	313.8	323.3	2.7	59.1	9.3	85.
16.7	48.9	4984.2	550.0	-11.7	214.6	20.1	11.4	16.5	314.2	322.5	2.5	64.8	10.3	78.
18.0	51.7	5346.7	525.0	-13.3	212.1	23.0	12.2	19.5	314.8	322.5	2.5	64.8	10.3	78.
19.4	54.6	5719.4	500.0	-15.1	216.2	27.6	14.7	23.4	316.0	323.0	2.2	67.9	11.7	71.
20.6	57.6	6105.8	475.0	-17.3	217.2	33.5	20.2	26.6	318.1	324.3	2.0	67.9	11.7	71.
21.8	60.6	6517.5	450.0	-20.2	225.4	38.5	25.2	25.0	319.1	324.3	2.0	65.7	13.9	65.
23.1	63.9	6965.8	425.0	-18.4	238.8	34.1	29.2	17.7	322.4	328.8	2.0	65.5	16.2	61.
24.6	67.1	7456.3	400.0	-18.3	250.0	34.9	32.8	12.0	325.5	331.6	1.9	86.0	16.7	60.
26.2	70.6	7870.0	375.0	-21.2	250.6	39.9	37.7	13.3	327.5	332.2	1.4	88.1	21.3	61.
27.9	74.1	8365.6	350.0	-24.5	252.3	38.7	36.9	11.8	329.1	332.8	1.1	80.6	24.7	62.
29.5	77.7	8900.0	325.0	-27.5	256.8	37.8	36.8	8.6	331.6	334.7	0.9	76.4	28.4	63.
31.1	81.7	9462.3	300.0	-30.9	261.5	31.9	31.6	4.7	334.1	336.4	0.6	76.8	32.1	65.
32.8	85.7	10061.3	275.0	-35.7	262.8	20.8	20.6	3.6	335.1	336.6	0.4	72.5	35.3	66.
34.5	90.0	10701.9	250.0	-40.6	258.9	28.7	28.1	5.5	336.5	999.9	0.4	69.4	38.2	67.
37.9	94.6	11362.2	225.0	-46.4	252.5	28.9	27.6	8.7	337.1	999.9	99.9	999.9	41.0	68.
41.4	99.5	12144.0	200.0	-52.8	248.8	31.3	29.2	11.3	337.7	999.9	99.9	999.9	44.5	69.
44.-	104.8	12676.9	175.0	-57.3	247.2	35.6	32.6	13.8	342.0	999.9	99.9	999.9	50.1	68.
46.5	110.8	13913.3	150.0	-62.7	239.-	44.8	38.6	22.8	346.6	999.9	99.9	999.9	56.6	68.
49.1	117.3	15003.1	125.0	-68.4	238.3	55.5	47.2	29.2	352.3	999.9	99.9	999.9	63.1	68.
53.5	124.7	16343.7	100.0	-70.2	245.6	46.0	41.9	19.0	367.8	999.9	99.9	999.9	71.0	67.
58.0	133.0	18070.0	75.0	-67.3	259.9	19.0	18.7	3.3	387.8	999.9	99.9	999.9	79.6	67.
64.2	142.5	20334.5	50.0	-73.1	265.9	5.0	5.0	0.6	410.7	999.9	99.9	999.9	88.9	67.
98.9	99.9	99.9	25.0	-84.6	224.2	5.8	4.1	4.2	481.2	999.9	99.9	999.9	89.3	67.
				99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	90.2	67.
												999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEAN ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

3 MAY 1978
200 GMT

125 82. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG F	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.0	359.0	961.2	8.1	8.0	350.0	7.7	1.3	-7.6	284.5	302.4	7.0	99.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	11.0	496.0	950.0	6.1	7.5	350.3	11.5	1.9	-11.3	285.4	303.1	8.9	96.2	0.2	169.
1.2	13.2	715.8	925.0	5.5	6.1	6.1	10.0	-1.1	-9.9	286.0	302.6	8.4	96.9	0.7	172.
2.1	15.5	940.7	900.0	5.8	5.4	28.8	10.7	-5.1	-9.4	287.5	303.9	8.3	97.2	1.2	184.
3.0	17.8	1172.1	875.0	6.7	6.3	79.2	5.4	-5.3	-1.0	290.8	308.9	8.9	97.0	1.6	194.
4.0	20.1	1412.0	850.0	9.2	8.8	218.8	3.6	2.2	2.8	295.8	318.3	8.4	97.4	1.5	196.
5.0	22.5	1660.8	825.0	9.4	9.4	261.1	5.9	5.9	0.9	298.9	323.3	9.0	97.6	1.4	186.
6.1	24.9	1916.7	800.0	9.2	8.7	265.1	7.5	7.5	0.6	300.9	325.1	8.9	97.8	1.4	167.
7.1	27.4	2179.6	775.0	7.8	7.4	272.7	7.4	7.4	-0.3	301.5	321.7	7.3	88.9	1.6	151.
8.2	29.9	2449.6	750.0	7.4	-0.9	275.2	10.6	10.6	-1.0	304.5	318.3	4.8	56.0	1.9	138.
9.2	32.4	2726.4	725.0	5.6	1.7	265.8	13.4	13.4	1.0	305.8	319.2	4.7	58.4	2.5	125.
10.3	34.9	3014.4	700.0	3.3	-2.5	257.	15.1	14.8	3.3	306.2	319.3	4.6	65.5	3.3	113.
11.5	37.6	3316.1	675.0	2.2	-6.8	254.	15.0	14.5	4.0	308.1	318.3	3.4	51.5	4.2	104.
12.8	40.2	3613.0	650.0	0.6	-16.8	259.9	15.0	14.7	2.8	309.5	314.4	1.6	26.1	5.2	98.
14.3	43.0	3916.0	625.0	-1.7	-22.4	259.2	18.6	18.3	3.5	310.5	313.7	1.0	18.7	6.3	95.
15.8	45.7	4249.6	600.0	-3.2	-14.9	252.5	24.2	23.1	7.3	312.4	313.6	0.3	6.5	7.9	91.
16.4	46.6	4564.6	575.0	-5.1	-45.6	247.3	26.0	24.0	10.0	314.0	314.5	0.1	2.7	9.6	87.
17.1	51.4	4931.8	550.0	-8.3	-55.2	246.9	24.2	22.3	9.5	314.2	314.4	0.0	1.0	11.2	84.
19.0	54.4	5259.2	525.0	-12.0	-57.5	249.0	21.2	19.8	7.6	314.0	314.1	0.0	1.0	13.1	82.
20.4	57.5	5601.0	500.0	-15.5	-46.8	247.7	22.1	20.4	8.4	314.2	314.6	0.1	4.6	14.8	80.
21.4	60.6	6041.4	475.0	-19.1	-30.1	230.9	18.5	14.2	11.7	314.3	316.5	0.7	37.3	16.1	79.
22.5	63.9	6448.8	450.0	-23.2	-18.9	184.1	16.1	1.2	16.1	320.4	326.5	1.9	93.6	16.7	78.
24.2	67.1	6875.4	425.0	-19.4	-20.0	167.8	21.1	-4.5	20.7	324.2	330.2	1.8	96.6	16.9	71.
25.4	70.6	7324.2	400.0	-22.2	-23.5	165.6	22.9	-5.7	22.2	326.2	330.9	1.4	88.8	17.2	64.
26.7	74.1	7796.0	375.0	-25.4	-27.1	162.7	24.1	-7.2	23.0	327.9	331.7	1.1	85.7	17.7	58.
28.3	77.8	8293.3	350.0	-24.1	-31.1	160.2	25.0	-8.5	23.5	329.5	332.3	0.8	83.0	18.3	51.
30.0	81.7	8819.0	325.0	-33.0	-35.6	157.7	25.2	-9.6	23.3	331.2	333.2	0.6	77.4	19.1	44.
31.9	85.5	9377.0	300.0	-37.1	-40.1	160.9	27.5	-9.0	26.0	333.2	334.6	0.4	72.6	20.4	37.
33.8	89.7	9972.7	275.0	-42.1	99.9	163.4	30.8	-8.8	29.6	334.2	999.9	99.9	999.9	22.5	30.
35.9	94.0	10609.5	250.0	-47.9	99.9	168.7	33.3	-6.5	32.6	334.9	999.9	99.9	999.9	25.2	25.
37.9	98.7	11293.4	225.0	-54.1	99.9	169.0	36.2	-6.9	35.5	335.6	999.9	99.9	999.9	28.6	20.
38.1	103.8	12038.9	200.0	-61.4	99.9	171.9	39.2	-5.5	38.8	335.5	999.9	99.9	999.9	32.6	16.
42.	109.1	12859.9	175.1	-65.9	99.9	188.6	45.0	6.7	44.5	341.2	999.9	99.9	999.9	38.6	13.
44.6	115.0	13809.1	150.0	-62.3	99.9	215.6	51.0	29.7	41.4	346.8	999.9	99.9	999.9	46.8	15.
47.3	121.5	14970.6	125.0	-61.4	99.9	235.4	33.9	27.9	19.3	383.8	999.9	99.9	999.9	54.6	20.
54.0	128.3	16320.6	100.0	-61.9	99.9	999.9	999.9	99.9	99.9	408.1	999.9	99.9	999.9	58.1	23.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL R[illegible], TEXAS

3 MAY 1978
245 GMT

110 129. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.3	314.0	966.3	18.2	16.6	340.0	10.1	3.5	-9.5	294.2	316.3	8.3	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	9.6	459.8	950.0	17.2	9.9	346.1	17.0	4.1	-16.5	294.7	316.3	8.1	62.1	0.5	160.
1.3	11.7	687.0	925.0	15.5	8.2	349.7	19.9	3.5	-19.5	295.2	315.0	7.4	61.8	1.3	165.
2.1	13.8	919.5	900.0	16.3	1.2	345.8	19.4	4.7	-18.8	298.3	311.3	4.7	36.4	2.4	168.
3.0	16.0	1158.7	875.0	16.1	-0.3	339.2	21.2	7.5	-19.8	300.5	312.6	4.3	32.6	3.7	165.
3.9	18.2	1404.0	850.0	13.9	-1.1	342.1	23.0	7.1	-21.[illegible]	300.7	312.5	4.2	35.5	4.9	164.
4.7	20.5	1655.4	825.0	13.1	-1.6	340.0	16.7	5.7	-15.[illegible]	302.4	314.3	4.1	36.1	5.9	164.
5.7	22.7	1913.2	800.0	11.3	-2.4	333.2	13.7	6.2	-12.[illegible]	303.2	314.8	4.0	38.4	6.8	163.
6.5	25.0	2177.9	775.0	10.4	-1.0	343.4	9.6	2.7	-9.2	305.0	318.2	4.6	45.2	7.3	162.
7.3	27.4	2450.9	750.0	10.2	-5.1	317.0	6.1	4.2	-4.5	307.7	318.2	3.6	34.4	7.7	162.
8.4	29.8	2732.6	725.0	9.8	-12.0	275.8	7.2	7.2	-0.7	310.2	316.7	2.1	20.2	7.9	160.
9.4	32.2	3022.7	700.0	7.6	-12.9	270.5	8.0	8.0	-0.1	310.9	317.2	2.0	21.8	8.1	157.
10.4	34.7	3320.7	675.0	4.8	-10.0	255.6	8.1	7.9	2.0	311.0	319.1	2.6	33.2	8.3	154.
11.5	37.2	3627.1	650.0	2.3	-12.6	237.0	9.7	8.1	5.3	311.5	318.4	2.2	32.3	8.3	150.
12.5	39.8	3942.1	625.0	-0.8	-14.5	209.6	16.3	8.0	14.2	311.5	317.7	2.0	34.6	8.1	145.
13.6	42.4	4266.8	600.0	-3.0	-19.6	206.4	20.6	9.1	18.4	312.6	316.9	1.3	26.4	7.4	137.
14.7	45.2	4601.9	575.0	-6.0	-21.1	226.5	18.2	13.2	12.5	313.0	316.9	1.2	29.0	7.4	127.
16.1	48.0	4947.5	550.0	-9.6	-22.2	233.1	18.2	14.6	10.9	312.7	316.5	1.2	34.8	7.8	116.
17.3	50.9	5304.8	525.0	-12.8	-21.9	230.7	19.1	14.8	12.1	313.0	317.0	1.3	46.4	8.6	106.
18.7	53.8	5674.8	500.0	-16.3	-23.5	227.5	21.0	15.5	14.2	313.2	316.8	1.1	53.8	9.5	99.
20.0	56.9	6058.1	475.0	-20.1	-24.7	226.0	22.8	16.4	15.8	313.1	316.6	1.1	66.6	10.6	92.
21.4	60.0	6456.2	450.0	-23.9	-27.2	225.2	25.6	18.2	18.1	313.2	316.2	0.9	74.0	12.1	85.
22.8	63.3	6870.9	425.0	-27.6	-28.4	225.6	29.9	21.4	21.0	313.6	316.5	0.9	92.5	14.0	79.
24.6	66.8	7304.4	400.0	-30.8	-36.3	225.5	33.5	23.9	23.5	315.0	316.4	0.4	58.4	16.9	72.
26.6	70.0	7756.8	375.0	-3[illegible].5	-48.5	233.7	35.9	28.9	21.2	315.9	316.4	0.1	22.4	20.7	68.
28.2	73.7	8237.3	350.0	-36.3	-52.5	999.9	999.9	99.9	99.9	317.1	317.4	0.1	20.7	999.9	999.
29.8	77.4	8744.9	325.0	-40.6	99.9	999.9	999.9	99.9	99.9	320.7	999.9	99.9	999.9	999.9	999.
31.8	81.3	9280.6	300.0	-43.4	99.9	999.9	999.9	99.9	99.9	324.3	999.9	99.9	999.9	999.9	999.
34.1	85.5	9869.2	275.0	-45.8	99.9	999.9	999.9	99.9	99.9	329.0	999.9	99.9	999.9	999.9	999.
36.5	90.0	10500.1	250.0	-48.3	99.9	999.9	999.9	99.9	99.9	334.3	999.9	99.9	999.9	999.9	999.
39.3	94.8	11188.2	225.0	-52.4	99.9	999.9	999.9	99.9	99.9	338.2	999.9	99.9	999.9	999.9	999.
42.1	99.8	11945.4	200.0	-54.8	99.9	246.8	41.0*	37.7	16.2	346.1	999.9	99.9	999.9	65.1	68.
45.2	105.4	12796.8	175.0	-55.8	99.9	232.3	33.6*	26.6	20.6	357.8	999.9	99.9	999.9	71.3	67.
48.7	111.5	13771.0	150.0	-58.2	99.9	999.9	999.9**	99.9	99.9	369.8	999.9	99.9	999.9	78.9	66.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	[illegible].9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 268
MIDLAND, TEXAS

3 MAY 1978
200 GMT

185 13. 0

TIME MIN.	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.0	873.0	908.9	8.6	6.1	340.0	12.7	4.3	-11.9	289.6	306.7	6.5	84.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	9.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	15.8	954.5	900.0	8.1	6.5	351.9	14.8	2.1	-14.6	289.8	307.6	6.8	89.7	0.3	143.
1.3	18.2	1186.5	875.0	5.7	4.8	351.5	14.7	2.2	-14.5	289.7	306.1	6.2	94.4	1.0	174.
2.1	20.5	1423.3	850.0	3.7	2.9	343.0	14.8	4.3	-14.1	290.0	304.9	5.6	94.8	1.7	172.
2.9	22.9	1666.0	825.0	4.7	-0.7	322.9	14.2	8.6	-11.3	293.5	305.6	4.4	68.4	2.4	167.
3.7	25.4	1917.7	800.0	6.6	-5.5	310.2	15.0	11.5	-9.7	298.0	307.1	3.2	42.2	3.0	159.
4.6	27.9	2177.8	775.0	6.0	-10.0	304.8	14.4	11.8	-8.2	300.3	307.1	2.3	30.5	3.7	153.
5.5	30.4	2445.4	750.0	4.1	-16.2	300.5	13.4	11.5	-6.8	301.1	305.4	1.4	21.0	4.3	148.
6.4	33.0	2720.0	725.0	2.6	-22.4	283.5	15.7	15.3	-3.7	302.5	305.3	0.9	13.5	5.0	143.
7.4	35.7	3003.2	700.0	0.9	-23.7	265.3	18.8	18.8	1.5	303.5	306.1	0.8	13.8	5.7	135.
8.5	38.3	3294.2	675.0	-1.0	-29.2	256.8	21.2	20.7	4.8	304.6	306.2	0.5	9.6	6.6	126.
9.5	41.1	3594.2	650.0	-2.8	-34.9	249.4	20.0	18.7	7.1	305.8	306.8	0.3	6.5	7.4	117.
10.5	43.9	3904.0	625.0	-4.5	-43.0	243.4	17.4	15.6	7.8	307.3	307.7	0.1	3.1	8.2	111.
11.7	46.8	4223.3	600.0	-7.5	-29.7	240.9	19.3	16.8	9.4	307.4	309.2	0.5	14.9	9.0	105.
12.7	49.7	4552.9	575.0	-10.3	-33.1	239.6	22.8	19.7	11.6	308.0	309.3	0.4	13.4	9.9	100.
13.7	52.6	4892.9	550.0	-13.8	-29.3	236.7	24.0	20.1	13.2	307.7	309.7	0.6	25.6	11.0	95.
14.9	55.8	5244.2	525.0	-16.8	-26.9	236.6	23.7	19.8	13.0	308.2	310.8	0.8	41.0	12.4	90.
16.3	59.5	5608.5	500.0	-19.9	-25.7	236.6	21.7	18.1	12.0	308.8	311.8	0.9	59.7	13.7	87.
17.4	62.1	5986.8	475.0	-22.9	-27.1	235.2	19.4	15.9	11.1	309.6	312.4	0.9	68.5	15.2	83.
18.8	65.4	6380.5	450.0	-26.3	-28.2	232.1	19.1	15.1	11.7	310.1	312.8	0.8	84.5	16.6	81.
20.2	69.0	6790.9	425.0	-29.5	-35.2	227.9	19.0	14.1	12.8	311.2	312.7	0.4	57.4	18.0	78.
21.8	72.6	7221.0	400.0	-32.9	-41.3	224.8	20.8	14.7	14.8	312.3	313.2	0.3	42.1	19.6	75.
23.3	76.2	7671.7	375.0	-36.4	-45.6	225.3	22.2	15.8	15.6	313.4	314.0	0.2	37.8	21.3	73.
25.2	80.0	8145.5	350.0	-40.7	99.9	228.0	25.2	18.8	16.9	314.9	999.9	99.9	999.9	23.6	70.
26.9	84.2	8645.4	325.0	-44.8	99.9	236.1	29.3	24.3	16.3	315.0	999.9	99.9	999.9	25.7	68.
28.8	88.3	9177.6	300.0	-46.8	99.9	234.3	26.9	21.8	15.7	319.4	999.9	99.9	999.9	29.4	67.
30.9	92.8	9757.8	275.0	-45.6	99.9	221.0	15.3	10.0	11.5	329.2	999.9	99.9	999.9	32.2	65.
33.4	97.4	10389.7	250.0	-47.4	99.9	219.5	14.6	9.3	11.3	335.6	999.9	99.9	999.9	33.9	64.
35.6	102.2	11084.5	225.0	-48.0	99.9	216.4	20.4	12.1	16.5	344.9	999.9	99.9	999.9	35.9	62.
38.2	107.5	11859.0	200.0	-48.1	99.9	225.7	23.2	16.6	16.2	356.7	999.9	99.9	999.9	38.5	60.
40.9	113.5	12736.9	175.0	-51.0	99.9	226.4	14.2	10.3	9.8	364.7	999.9	99.9	999.9	42.4	60.
43.9	119.8	13723.1	150.0	-57.4	99.9	198.3	20.7	6.5	19.7	371.2	999.9	99.9	999.9	44.5	58.
47.2	127.0	14870.6	125.0	-58.9	99.9	228.2	23.7	17.7	15.8	388.3	999.9	99.9	999.9	49.1	56.
51.8	135.0	16275.2	100.0	-58.9	99.9	248.7	16.2	15.1	5.9	413.9	999.9	99.9	999.9	54.2	56.
56.2	144.0	18050.3	75.0	-63.9	99.9	290.2	6.6	6.2	-2.3	439.0	999.9	99.9	999.9	57.4	56.
64.1	154.0	20532.8	50.0	-61.1	99.9	237.3	3.2	1.2	-2.9	499.6	999.9	99.9	999.9	57.7	57.
77.2	164.0	24964.8	25.0	-56.3	99.9	999.9	999.9	99.9	99.9	640.2	999.9	99.9	999.9	57.8	58.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

3 MAY 1978
200 GMT

156 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	160.0	993.9	13.1	2.6	30.0	2.5	-1.2	-2.2	286.8	299.1	4.7	49.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	[illegible]	341.7	975.0	13.9	0.9	41.0	9.2	-6.0	-6.9	289.1	300.4	4.7	41.1	0.3	220.
1.4	[illegible]	556.8	950.0	11.8	0.1	35.4	9.1	-5.3	-7.4	289.2	300.2	4.[illegible]	44.6	0.7	220.
2.3	13.7	782.0	925.0	9.6	-0.5	29.4	9.4	-4.6	-8.2	289.1	299.9	4.0	49.4	1.2	216.
3.0	16.0	1008.5	900.0	7.5	-1.3	32.1	8.2	-4.3	-6.9	289.3	299.8	3.9	53.5	1.6	214.
4.0	18.4	1235.8	875.0	5.4	-3.4	43.6	7.2	-5.0	-5.2	289.5	298.8	3.4	53.0	2.0	215.
4.7	20.8	1476.0	850.0	3.7	-5.6	64.6	4.8	-4.3	-2.1	290.1	298.2	3.0	50.3	2.3	217.
5.7	23.2	1718.4	825.0	4.0	-13.2	198.7	1.3	0.4	1.3	292.8	297.6	1.7	27.2	2.4	219.
6.5	25.7	1968.6	800.0	4.1	-18.8	279.5	2.7	2.6	-0.4	295.6	298.8	1.1	16.9	2.4	218.
7.5	28.2	2226.5	775.0	3.8	-21.4	285.0	4.5	4.4	-1.2	297.9	300.7	0.9	13.8	2.3	213.
8.4	30.8	2492.5	750.0	3.3	-22.1	295.3	4.9	4.4	-2.1	300.2	302.9	0.9	13.4	2.2	206.
9.3	33.3	2766.9	725.0	2.7	-23.4	292.9	6.3	5.8	-2.5	302.4	304.9	0.8	12.4	2.2	198.
10.4	36.0	3050.0	700.0	2.3	-25.4	292.7	9.7	8.9	-3.7	305.0	307.2	0.7	10.7	2.3	186.
11.6	38.7	3343.1	675.0	0.9	-25.8	293.8	13.2	12.1	-5.3	306.7	308.9	0.7	11.4	2.7	169.
12.7	41.4	3645.5	650.0	-0.5	-24.8	290.7	14.7	13.8	-5.2	308.4	310.9	0.8	13.9	3.3	155.
13.8	44.2	3957.5	625.0	-2.9	-25.3	293.8	15.9	14.5	-6.4	309.2	311.7	0.8	15.9	4.1	145.
14.9	47.0	4279.7	600.0	-4.8	-17.8	295.1	16.6	15.0	-7.1	310.6	315.5	1.6	35.2	5.1	139.
16.5	49.9	4613.2	575.0	-6.7	-24.7	290.4	18.5	17.3	-6.5	312.1	315.0	0.9	22.3	6.6	133.
17.6	52.9	4958.1	550.0	-10.1	-23.9	287.4	20.0	19.1	-6.0	312.1	315.6	1.1	34.2	7.8	129.
18.8	55.9	5314.6	525.0	-13.0	-25.3	288.5	20.9	19.8	-6.6	312.8	315.8	0.9	34.7	9.1	126.
20.0	59.0	5684.4	500.0	-15.9	-28.5	284.7	21.8	21.1	-5.5	313.7	316.1	0.7	32.8	10.7	123.
21.5	62.3	6069.8	475.0	-17.7	-30.9	282.8	22.7	22.2	-5.0	316.0	317.2	0.3	16.8	12.5	120.
23.0	65.6	6471.8	450.0	-21.1	-41.1	286.1	23.3	22.4	-6.4	316.8	317.6	0.2	14.5	14.5	118.
24.6	69.0	6891.1	425.0	-24.3	-43.6	286.6	25.4	24.4	-7.2	317.9	318.6	0.2	14.7	16.8	116.
26.3	72.6	7330.4	400.0	-27.4	-45.0	287.6	26.8	25.5	-8.1	319.4	320.1	0.2	16.7	19.5	115.
28.3	76.1	7794.5	375.0	-28.8	-45.3	292.6	29.2	27.0	-11.2	323.5	324.1	0.2	18.5	22.7	114.
30.0	80.0	8283.4	350.0	-33.	-47.4	292.2	30.6	28.3	-11.6	323.3	323.9	0.1	23.4	25.8	114.
31.9	83.9	8798.3	325.0	-38.5	-49.6	289.5	31.9	30.1	-10.7	323.6	324.1	0.1	29.4	29.5	114.
34.2	88.0	9342.7	300.0	-43.1	99.9	286.0	33.6	32.3	-9.3	324.6	999.9	99.9	999.9	33.8	113.
36.7	92.4	9922.7	275.0	-47.9	99.9	277.3	36.9	36.6	-4.7	325.8	999.9	99.9	999.9	39.0	111.
39.2	97.0	10544.3	250.0	-52.7	99.9	281.5	40.3	39.4	-8.0	327.8	999.9	99.9	999.9	44.5	110.
41.7	101.8	11220.0	225.0	-56.0	99.9	287.0	44.8	42.8	-13.1	332.6	999.9	99.9	999.9	51.0	109.
44.8	107.0	11958.1	200.0	-61.3	99.9	288.4	48.8	46.4	-15.4	335.6	999.9	99.9	999.9	59.1	109.
47.8	112.5	12775.4	175.0	-66.6	99.9	285.4	47.4*	45.7	-12.6	340.0	999.9	99.9	999.9	68.0	109.
50.8	118.5	13699.0	150.0	-69.9	99.9	273.5	42.3*	42.2	-2.6	349.7	999.9	99.9	999.9	76.3	108.
54.8	125.3	14810.5	125.0	-63.6	99.9	286.0	28.1*	27.0	-7.8	379.8	999.9	99.9	999.9	83.9	107.
60.3	132.3	16179.9	100.0	-62.9	99.9	289.3	22.9**	21.7	-7.6	406.3	999.9	99.9	999.9	92.4	107.
67.8	140.0	17951.7	75.0	-62.3	99.9	290.5	13.6**	12.7	-4.8	442.3	999.9	99.9	999.9	101.0	107.
76.6	148.7	20465.8	50.0	-60.0	99.9	271.4	6.0	6.0	-0.1	502.3	999.9	99.9	999.9	106.4	107.
96.0	157.5	24911.4	25.0	-50.7	99.9	999.9	999.9	99.9	99.9	639.1	999.9	99.9	999.9	108.0	107.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
LITTLE ROCK, ARKANSAS

3 MAY 1978
158 GMT

168 13. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.4	172.0	991.2	11.9	4.6	70.0	7.1	-6.7	-2.4	285.8	299.9	5.4	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.8	309.9	975.0	11.1	2.2	71.8	14.3	-13.6	-4.5	286.3	298.5	4.6	54.1	0.4	247.
1.1	11.2	526.1	950.0	9.5	1.2	71.9	17.4	-16.5	-5.4	286.8	298.6	4.4	56.1	0.9	250.
1.9	13.5	747.0	925.0	8.3	-0.5	78.7	19.7	-19.3	-3.9	287.8	298.5	4.0	54.0	1.9	252.
2.8	16.0	973.1	900.0	9.3	-20.4	86.9	18.2	-18.2	-1.0	291.1	293.6	0.8	10.3	2.9	256.
3.5	19.4	1206.6	875.0	9.7	-25.3	94.0	15.0	-14.9	1.0	293.9	295.6	0.6	6.5	3.6	259.
4.4	20.9	1447.0	850.0	10.2	-22.4	107.8	11.1	-10.6	3.4	296.8	299.1	0.7	8.1	4.2	262.
5.2	23.4	1695.8	825.0	11.1	1.3	126.7	7.1	-5.7	4.2	300.4	314.9	5.2	51.4	4.6	265.
6.0	26.0	1952.8	800.0	10.9	6.2	157.2	4.1	-1.6	3.8	302.8	323.5	7.5	72.5	4.8	268.
7.0	28.6	2217.4	775.0	9.0	5.2	185.9	4.0	0.4	4.0	303.5	323.5	7.2	76.8	4.7	270.
8.0	31.2	2488.6	750.0	7.8	3.4	176.6	5.4	-0.3	5.4	305.0	323.5	6.6	74.1	4.7	274.
9.0	33.9	2767.8	725.0	5.8	1.6	177.5	6.1	-0.3	6.1	305.8	322.7	5.9	74.1	4.8	278.
10.1	36.7	3055.1	700.0	6.1	-7.5	194.3	6.5	1.6	6.3	309.2	318.6	3.1	37.1	4.8	283.
11.1	39.4	3352.8	675.0	4.6	-4.2	204.7	7.0	2.9	6.4	310.8	323.1	4.2	53.1	4.8	287.
12.1	42.3	3659.2	650.0	1.9	-4.7	213.9	8.0	4.5	6.7	311.2	323.5	4.2	61.3	4.7	293.
13.3	45.2	3974.5	625.0	-0.3	-9.7	221.1	10.1	6.6	7.6	312.8	321.0	2.9	49.1	4.6	300.
14.4	48.1	4300.0	600.0	-2.4	-18.0	223.3	11.3	7.8	8.2	313.3	318.2	1.5	29.1	4.5	310.
15.6	51.1	4636.0	575.0	-4.9	-18.4	224.9	9.9	7.0	7.0	314.2	319.2	1.6	33.9	4.5	319.
16.8	54.3	4983.5	550.0	-7.9	-21.4	230.1	10.2	7.8	6.5	314.7	318.7	1.3	32.8	4.6	328.
18.0	57.4	5343.0	525.0	-11.1	-22.0	239.2	11.9	10.2	6.1	315.1	319.1	1.3	40.3	4.7	338.
19.4	60.7	5715.7	500.0	-14.4	-20.7	247.7	13.1	12.1	5.0	315.5	320.2	1.5	58.6	4.8	350.
20.5	64.1	6102.4	475.0	-17.6	-20.5	244.0	15.7	14.1	6.9	316.2	321.2	1.6	77.6	5.2	1.
21.8	67.4	6505.6	450.0	-20.2	-24.8	245.6	19.4	17.7	8.0	317.9	321.6	1.1	66.3	5.9	12.
23.3	71.0	6926.0	425.0	-23.5	-30.8	251.0	20.9	19.8	6.8	318.8	321.1	0.7	50.9	7.1	25.
24.7	74.6	7365.1	400.0	-25.0	-49.2	254.3	21.2	20.4	5.7	322.5	322.9	0.1	8.4	8.4	34.
26.3	78.3	7834.7	375.0	-29.1	-40.5	257.9	20.8	20.3	4.3	323.1	324.1	0.3	32.0	10.0	42.
27.7	82.3	8323.4	350.0	-33.6	-39.2	259.2	21.0	20.6	3.9	323.4	324.7	0.4	57.1	11.5	47.
29.3	86.3	8839.2	325.0	-37.5	-40.3	26 4	21.1	21.0	1.7	325.0	326.3	0.3	74.3	13.2	52.
31.2	90.5	9386.5	300.0	-41.7	99.9	269.3	18.0	17.9	1.5	326.6	999.9	99.9	999.9	15.1	57.
33.2	95.0	9972.0	275.0	-44.4	99.9	258.6	21.5	21.1	4.2	331.0	999.9	99.9	999.9	17.0	60.
35.1	99.8	10603.5	250.0	-50.0	99.9	265.3	26.2	26.1	2.1	331.8	999.9	99.9	999.9	19.6	63.
37.3	104.8	11282.5	225.0	-56.4	99.9	262.4	27.7	27.4	3.7	332.0	999.9	99.9	999.9	23.3	66.
39.4	110.0	12019.9	200.0	-62.4	99.9	258.3	33.0	32.3	6.7	334.0	999.9	99.9	999.9	26.8	68.
41.6	116.0	12836.1	175.0	-66.1	99.9	250.4	39.6	37.3	13.3	340.9	999.9	99.9	999.9	32.0	69.
44.6	122.3	13777.7	150.0	-63.6	99.9	262.3	35.1	34.8	4.7	360.3	999.9	99.9	999.9	38.6	70.
47.5	129.3	14897.6	125.0	-66.1	99.9	260.3	19.0	18.7	3.2	375.4	999.9	99.9	999.9	42.7	71.
51.7	137.3	16259.1	100.0	-64.4	99.9	273.2	18.2	18.2	-1.0	403.4	999.9	99.9	999.9	47.0	73.
57.7	146.5	18016.8	75.0	-63.9	99.9	266.0	13.3	12.7	-3.7	439.0	999.9	99.9	999.9	51.9	75.
64.8	157.0	20511.5	50.0	-60.9	99.9	299.2	5.5	4.8	-2.7	500.0	999.9	99.9	999.9	54.6	78.
77.8	168.7	24[illegible]	25.0	-51.5	99.9	999.9	999.9	99.9	99.9	637.0	999.9	99.9	999.9	55.5	78.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349
MONETT, MISSOURI

3 MAY 1978
211 GMT

128 87. 0

TIME MIN	CNIGT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.5	438.0	960.7	11.0	-2.4	85.0	6.6	-6.6	-0.6	287.4	296.5	3.3	39.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	11.5	531.7	950.0	11.7	-2.5	85.1	18.2	-18.1	-1.5	289.1	298.3	3.4	36.9	0.4	263.
1.1	13.8	754.5	925.0	11.4	-5.0	88.9	17.7	-17.7	-0.3	291.0	298.9	2.8	31.3	1.1	265.
2.0	16.2	982.7	900.0	9.9	-6.0	95.1	17.5	-17.4	1.6	291.7	299.4	2.7	32.1	1.9	268.
2.9	18.6	1215.8	875.0	7.7	-7.0	98.8	15.6	-15.4	2.4	291.8	299.1	2.6	34.3	2.8	271.
3.7	21.1	1453.6	850.0	5.6	-7.6	99.4	17.3	-17.0	2.8	292.1	299.3	2.5	37.9	3.6	273.
4.6	23.6	1696.8	825.0	3.5	-9.8	98.7	14.3	-14.1	2.2	292.3	298.6	2.2	36.8	4.5	274.
5.4	26.1	1946.9	800.0	9.1	-18.9	89.1	8.4	-8.4	-0.1	300.9	304.4	1.1	12.6	5.1	274.
6.5	28.7	2211.6	775.0	8.0	-1.2	79.3	5.6	-5.5	-1.0	302.5	315.4	4.5	52.1	5.4	274.
7.5	31.3	2481.5	750.0	6.1	-2.4	68.6	4.9	-4.6	-1.8	303.2	315.5	4.3	54.5	5.8	273.
8.5	33.9	2759.5	725.0	6.5	-7.7	31.3	3.4	-1.8	-2.9	306.6	315.3	2.9	35.4	5.9	271.
9.7	36.7	3046.5	700.0	4.5	-11.2	330.6	1.9	0.9	-1.7	307.5	314.5	2.3	30.6	6.0	270.
10.9	39.4	3342.1	675.0	3.6	-9.8	248.8	4.1	3.8	1.5	309.7	317.8	2.7	36.7	5.8	269.
12.0	42.2	3648.5	650.0	3.0	-11.5	225.4	7.5	5.3	5.3	312.4	319.9	2.4	33.5	5.6	272.
13.3	45.0	3964.7	625.0	0.7	-12.3	233.0	10.4	8.3	6.3	313.3	320.6	2.4	36.8	5.0	278.
14.5	47.9	4291.5	600.0	-1.7	-13.5	237.2	12.3	10.4	6.7	314.1	321.1	2.2	40.0	4.4	285.
15.7	50.8	4628.6	575.0	-4.7	-13.4	238.2	12.1	10.3	6.4	314.5	321.8	2.4	50.5	3.9	295.
17.1	53.9	4976.6	550.0	-7.7	-14.9	225.7	9.1	6.5	6.4	315.0	321.8	2.2	56.1	3.5	308.
18.3	56.9	5336.3	525.0	-10.4	-15.7	204.3	5.6	2.3	5.1	315.9	322.6	2.1	65.0	3.6	316.
19.7	60.1	5710.8	500.0	-12.9	-16.9	221.2	6.3	4.1	4.7	317.3	322.8	1.7	60.4	3.7	323.
20.9	63.4	6100.3	475.0	-16.0	-21.5	237.6	9.5	8.0	5.1	318.2	322.9	1.4	62.2	3.8	331.
22.5	66.8	6505.7	450.0	-18.5	-23.7	251.6	11.6	11.0	3.6	320.0	324.1	1.2	63.5	3.7	347.
23.9	70.1	6929.0	425.0	-22.5	-25.0	249.7	12.9	12.1	4.5	320.2	324.1	1.2	79.8	4.0	1.
25.5	73.7	7371.8	400.0	-25.8	-27.4	250.1	13.0	12.2	4.4	321.5	324.9	1.0	85.7	4.6	16.
27.2	77.5	7836.4	375.0	-29.2	-34.0	253.6	11.8	11.3	3.3	323.0	325.0	0.6	62.6	5.5	27.
29.1	81.3	8327.1	350.0	-31.6	-39.2	266.2	13.9	13.9	0.9	326.1	327.4	0.4	46.9	6.4	37.
30.9	85.2	8847.6	325.0	-35.4	-42.2	264.3	17.6	17.5	1.8	327.9	328.9	0.3	49.7	7.6	47.
32.6	89.2	9400.2	300.0	-39.8	99.9	259.8	18.7	18.4	3.3	329.3	999.9	99.9	999.9	9.2	54.
34.9	93.6	9989.1	275.0	-44.6	99.9	257.0	20.7	20.2	4.7	330.6	999.9	99.9	999.9	11.7	59.
37.0	98.2	10619.6	250.0	-50.1	99.9	257.3	23.2	22.7	5.1	331.7	999.9	99.9	999.9	14.3	63.
39.2	103.0	11298.6	225.0	-56.4	99.9	254.2	24.4	23.5	6.7	332.1	999.9	99.9	999.9	17.3	65.
41.4	108.2	12035.0	200.0	-62.9	99.9	252.3	34.0	32.4	10.3	333.1	999.9	99.9	999.9	20.7	66.
43.5	113.8	12844.7	175.0	-67.2	99.9	255.2	40.9	39.5	10.4	339.1	999.9	99.9	999.9	26.1	67.
45.9	119.8	13803.2	150.0	-61.4	99.9	264.7	21.1	21.0	2.0	364.2	999.9	99.9	999.9	30.6	70.
48.2	126.3	14926.5	125.0	-61.0	99.9	254.8	19.6	18.9	5.1	384.6	999.9	99.9	999.9	34.1	70.
53.5	133.3	16314.7	100.0	-62.1	99.9	999.9	999.9	99.9	99.9	407.8	999.9	99.9	999.9	39.8	72.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

3 MAY 1978
200 GMT

23 741. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.5	392.0	967.5	6.7	5.0	340.0	7.1	2.4	-6.7	282.5	297.1	5.7	89.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	11.1	541.5	950.0	4.8	4.4	1.6	10.8	-0.3	-10.8	282.1	296.3	5.5	97.1	0.4	173.
1.8	13.4	756.7	925.0	3.3	2.6	22.7	11.3	-4.4	-10.5	282.7	295.7	5.0	95.3	1.1	184.
3.0	15.6	980.7	900.0	2.0	0.4	44.0	13.4	-9.3	-9.6	283.6	295.1	4.4	89.4	1.9	198.
4.1	17.9	1207.8	875.0	0.7	-1.5	64.9	14.3	-13.0	-6.1	284.5	294.9	3.9	85.5	2.7	210.
5.6	20.3	1440.4	850.0	-0.3	-3.1	84.9	15.2	-15.1	-1.3	285.9	295.5	3.6	81.1	3.7	224.
7.1	22.7	1679.7	825.0	1.3	-3.0	98.5	15.9	-15.7	2.1	290.0	300.2	3.7	73.2	4.8	237.
8.4	25.1	1928.6	800.0	2.9	-1.4	106.4	16.4	-15.7	4.6	294.2	306.1	4.3	73.6	5.8	247.
9.6	27.6	2185.8	775.0	2.4	-1.7	999.9	999.9	99.9	99.9	296.5	308.5	4.4	73.7	999.9	999.
11.0	30.1	2451.7	750.0	2.8	-1.6	999.9	99.9	99.9	99.9	299.6	312.4	4.5	72.5	999.9	999.
99.9	99.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9 *	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

3 MAY 1978
210 GMT

122 96. 0

TIME MIN	CNECT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.5	1094.0	888.4	2.2	1.6	40.0	6.1	-3.9	-4.7	284.8	297.6	4.9	96.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	18.8	1216.4	875.0	0.3	-1.0	29.7	8.5	-4.2	-7.4	284.1	294.8	4.1	90.8	0.3	213.
1.2	21.3	1448.5	850.0	-1.2	-2.5	35.0	9.8	-6.2	-7.6	284.9	294.9	3.7	90.6	0.7	211.
2.0	23.9	1 [illegible] 9.1	825.0	-2.8	-4.1	51.8	9.6	-7.6	-6.0	285.7	294.8	3.4	90.4	1.1	218.
2.8	26.4	1529.5	800.0	-4.4	-5.7	60.7	8.4	-7.3	-4.1	286.4	294.9	3.1	90.5	1.6	223.
3.7	29.0	2179.4	775.0	-4.2	-5.5	95.5	8.4	-8.3	0.8	289.3	298.2	3.3	90.5	2.0	229.
4.6	31.7	2439.7	750.0	-1.9	-3.2	129.3	8.0	-6.2	5.1	294.5	305.6	4.0	90.9	2.2	240.
5.5	34.4	2710.4	725.0	-0.1	-1.3	146.1	6.6	-3.7	5.5	299.4	312.8	4.8	91.2	2.3	250.
6.4	37.1	2991.7	700.0	-0.6	-2.0	163.1	4.7	-1.4	4.5	301.6	315.0	4.7	91.1	2.3	257.
7.5	40.0	3281.5	675.0	-2.6	-3.8	171.0	3.9	-0.6	3.8	302.8	315.0	4.3	90.8	2.3	264.
8.4	42.8	3580.7	650.0	-4.0	-5.3	157.3	5.0	-1.9	4.6	304.5	316.0	4.0	90.3	2.4	269.
9.4	45.8	3889.8	625.0	-5.6	-6.9	144.5	7.2	-4.2	5.8	306.1	316.8	3.6	89.9	2.6	276.
10.5	48.7	4208.2	600.0	-8.7	-11.7	196.8	4.7	1.4	4.5	306.0	313.8	2.6	79.1	2.7	283.
11.5	51.6	4536.0	575.0	-12.4	-48.6	146.3	3.1	-1.7	2.6	305.5	308.1	0.2	6.2	2.7	287.
12.5	54.8	4873.8	550.0	-14.9	-59.4	93.6	2.3	-2.3	0.1	306.4	306.5	0.0	1.0	2.9	287.
13.7	57.9	5223.9	525.0	-17.3	-60.9	121.0	1.5	-1.3	0.8	307.6	307.7	0.0	1.0	3.0	287.
14.8	61.1	5587.4	500.0	-20.4	-62.9	191.7	2.2	0.4	2.2	308.2	308.3	0.0	1.0	3.1	288.
16.1	64.5	5965.4	475.0	-22.9	-64.6	210.7	4.2	2.2	3.6	309.6	309.6	0.0	1.0	3.0	293.
17.5	67.9	6359.2	450.0	-26.1	-61.2	191.6	5.6	1.1	5.5	310.4	310.5	0.0	2.2	3.0	301.
18.9	71.3	6770.1	425.0	-29.1	-61.1	167.3	8.8	-1.9	8.5	311.8	311.9	0.0	3.3	3.4	308.
20.4	75.0	7200.8	400.0	-32.0	-70.5	150.5	12.6	-6.2	10.9	313.4	313.4	0.0	1.0	4.3	315.
22.0	78.8	7654.1	375.0	-34.8	-72.4	141.5	18.2	-11.4	14.3	315.5	315.5	0.0	1.0	5.8	317.
23.8	82.7	8132.2	350.0	-38.4	-74.7	138.4	22.2	-14.7	16.6	317.0	317.0	0.0	1.0	8.0	318.
25.9	86.8	8637.9	325.0	-41.7	99.9	140.5	28.5	-18.1	22.0	319.2	999.9	99.9	999.9	11.1	318.
28.2	91.2	9176.6	300.0	-45.1	99.9	145.0	36.6	-21.0	30.0	321.8	999.9	99.9	999.9	15.5	319.
30.4	95.6	9754.9	275.0	-47.7	99.9	146.9	39.6	-21.6	33.2	326.2	999.9	99.9	999.9	20.8	321.
33.0	100.3	10379.9	250.0	-50.8	99.9	147.1	37.4	-20.3	31.3	330.5	999.9	99.9	999.9	26.8	322.
35.6	105.4	11063.9	225.0	-52.3	99.9	154.5	26.8	-11.5	24.2	330.4	999.9	99.9	999.9	31.9	324.
38.6	110.6	11823.6	200.0	-54.0	99.9	167.3	21.4	-4.7	20.8	347.2	999.9	99.9	999.9	35.9	325.
41.7	116.3	12676.6	175.0	-56.0	99.9	195.0	15.0	3.9	14.5	357.6	999.9	99.9	999.9	38.8	328.
45.9	122.5	13656.1	150.0	-55.9	99.9	220.1	11.0	7.1	8.4	373.8	999.9	99.9	999.9	40.6	332.
50.3	129.3	14810.8	125.0	-57.3	99.9	230.8	9.2	7.1	5.8	391.2	999.9	99.9	999.9	41.5	335.
55.5	136.7	16209.9	100.0	-59.9	99.9	999.9	99.9	99.9	99.9	412.0	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429
DAYTON, OHIO

3 MAY 1978
2000 GMT

147 44. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.4	298.0	981.1	9.0	-2.3	350.0	1.6	0.3	-1.6	283.7	292.5	3.3	45.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	9.0	349.7	975.0	10.2	-5.8	351.1	4.5	0.7	-4.4	285.5	292.5	2.6	31.8	0.0	174.
1.2	11.4	565.6	950.0	9.1	-6.7	27.1	5.8	-2.6	-5.2	286.5	293.2	2.4	32.0	0.3	188.
1.9	13.7	785.7	925.0	7.2	-7.1	24.4	5.2	-2.2	-4.8	286.7	293.4	2.4	35.2	0.5	202.
2.7	16.2	1010.0	900.0	4.9	-7.6	16.0	5.2	-1.4	-5.0	286.6	293.2	2.4	39.8	0.7	201.
3.4	18.6	1238.9	875.0	2.9	-7.9	17.6	5.1	-1.5	-4.8	286.8	293.5	2.4	44.8	1.0	199.
4.1	21.1	1472.7	850.0	0.6	-8.4	21.7	4.8	-1.8	-4.5	286.8	293.4	2.4	50.5	1.2	199.
4.9	23.7	1711.3	825.0	-1.8	-9.3	22.6	3.9	-1.5	-3.6	286.7	293.0	2.3	56.6	1.4	200.
5.8	26.2	1955.6	800.0	-1.8	-38.7	12.8	3.1	-0.7	-3.0	289.3	289.8	0.2	4.0	1.5	200.
6.6	28.8	2207.3	775.0	-3.2	-34.7	343.9	4.1	1.1	-3.9	290.4	291.2	0.3	6.5	1.7	198.
7.6	31.6	2466.2	750.0	-4.0	-40.0	335.0	4.8	2.7	-3.9	292.2	292.8	0.2	4.1	1.9	191.
8.6	34.2	2732.8	725.0	-5.2	-42.6	331.4	4.8	2.3	-4.2	293.7	294.1	0.1	3.4	2.1	187.
9.5	37.0	3007.4	700.0	-6.7	-50.5	320.0	5.2	3.4	-4.0	295.1	295.3	0.1	1.6	2.3	182.
10.4	39.8	3292.5	675.0	-4.8	-53.0	336.0	5.4	2.2	-4.9	300.3	300.4	0.0	1.0	2.5	178.
11.4	42.6	3589.8	650.0	-4.6	-51.6	345.2	7.5	1.9	-7.3	303.7	303.9	0.0	1.2	2.9	176.
12.3	45.5	3896.9	625.0	-6.8	-50.5	344.1	9.5	2.6	-9.1	304.7	304.9	0.1	1.6	3.4	175.
13.5	48.5	4214.3	600.0	-8.7	-41.9	343.0	11.1	3.3	-10.7	306.0	306.6	0.2	4.7	4.1	173.
14.6	51.5	4542.6	575.0	-11.0	-41.6	338.8	12.6	4.5	-11.7	307.1	307.7	0.2	5.9	4.9	171.
15.8	54.6	4882.3	550.0	-13.6	-42.0	331.1	13.3	6.4	-11.7	308.0	308.6	0.2	7.0	5.7	168.
17.0	57.8	5234.4	525.0	-16.0	-46.0	324.2	14.6	8.6	-11.9	309.2	309.6	0.1	5.5	6.7	165.
18.3	61.0	5599.5	500.0	-19.1	-45.0	323.9	16.3	9.6	-13.2	309.8	310.3	0.1	7.9	7.8	162.
19.6	64.3	5979.6	475.0	-21.5	-46.7	321.1	17.7	11.1	-13.8	311.4	311.8	0.1	6.5	9.1	159.
21.0	67.7	6375.6	450.0	-24.4	-48.4	315.8	19.6	13.8	-14.0	312.5	312.9	0.1	8.7	10.6	156.
22.5	71.3	6789.3	425.0	-28.0	-50.2	313.9	19.9	14.3	-13.8	313.1	313.4	0.1	9.9	12.2	153.
24.1	75.0	7221.1	400.0	-31.8	-52.5	312.7	21.6	15.9	-14.6	313.6	313.9	0.1	10.8	14.1	150.
25.9	78.8	7673.9	375.0	-35.4	-55.0	311.9	24.3	18.1	-16.2	314.7	314.9	0.1	11.3	16.5	148.
27.8	82.8	8150.1	350.0	-39.5	-57.7	310.2	25.1	19.2	-16.2	315.5	315.7	0.0	12.3	19.2	145.
29.8	86.8	8652.5	325.0	-43.7	99.9	309.0	27.9	21.7	-17.5	316.4	999.9	99.9	999.9	22.3	143.
31.9	91.2	9185.3	300.0	-48.0	99.9	308.8	29.5	23.6	-17.7	317.7	999.9	99.9	999.9	25.8	141.
34.2	95.7	9754.4	275.0	-51.3	99.9	303.0	32.2	27.0	-17.5	321.0	999.9	99.9	999.9	29.8	139.
36.4	100.4	10369.1	250.0	-54.4	99.9	301.1	43.2	37.0	-22.3	325.2	999.9	99.9	999.9	34.5	136.
39.3	105.5	11039.2	225.0	-58.1	99.9	307.3	47.9	38.1	-29.0	329.5	999.9	99.9	999.9	42.1	134.
42.2	110.8	11778.5	200.0	-57.4	99.9	304.9	29.6	24.3	-17.0	341.9	999.9	99.9	999.9	49.3	133.
45.6	116.5	12625.5	175.0	-56.9	99.9	296.8	28.9	25.8	-13.0	356.0	999.9	99.9	999.9	54.6	132.
46.5	122.7	13602.0	150.0	-56.8	99.9	285.7	24.0	23.1	-6.5	372.3	999.9	99.9	999.9	60.4	130.
54.1	129.4	14753.7	125.0	-59.0	99.9	287.5	21.4	20.4	-6.4	388.2	999.9	99.9	999.9	65.7	128.
59.1	136.3	16149.0	100.0	-59.7	99.9	294.3	18.7	17.1	-7.7	412.5	999.9	99.9	999.9	71.4	126.
65.8	144.0	17953.1	75.0	-59.4	99.9	290.9	11.9	11.2	-4.3	446.4	999.9	99.9	999.9	78.4	125.
74.9	152.3	20526.4	50.0	-55.0	99.9	231.4	4.5	3.5	2.8	514.0	999.9	99.9	999.9	81.5	125.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

3 MAY 1978
2OO GMT

152 12. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	175.0	996.4	12.1	-6.8	80.0	4.6	-4.5	-0.8	285.6	291.9	2.3	26.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.8	356.8	975.0	11.9	-5.3	999.9	999.9	99.9	99.9	287.2	294.4	2.6	29.4	999.9	999.
1.4	10.9	573.4	950.0	10.6	-6.5	999.9	999.9	99.9	99.9	287.9	294.8	2.5	29.6	999.9	999.
2.2	13.0	794.3	925.0	8.3	-7.0	999.9	999.9	99.9	99.9	287.8	294.6	2.4	32.8	0.6	245.
3.1	15.2	1019.8	900.0	6.2	-7.3	41.7	6.5	-4.3	-4.8	287.9	294.7	2.5	37.5	0.9	237.
3.9	17.5	1249.4	875.0	3.5	-8.1	40.3	8.0	-5.2	-6.1	287.4	294.0	2.4	42.5	1.3	233.
4.8	19.7	1483.6	850.0	1.3	-9.2	40.1	8.7	-5.6	-6.7	287.5	293.8	2.2	45.5	1.7	229.
5.6	21.9	1723.3	825.0	0.8	-28.8	51.7	8.4	-6.6	-5.2	289.5	291.0	0.5	10.5	2.1	228.
6.5	24.2	1970.6	800.0	1.0	-31.2	53.3	8.5	-6.8	-5.2	292.2	293.3	0.3	6.8	2.5	229.
7.3	26.5	2225.3	775.0	0.3	-29.7	31.9	5.0	-2.6	-4.3	294.2	295.5	0.4	8.3	2.8	229.
8.4	28.9	2488.1	750.0	1.5	-32.5	30.3	6.3	-3.2	-5.4	298.3	299.3	0.3	5.8	3.1	226.
9.3	31.3	2761.2	725.0	1.3	-28.6	37.5	6.7	-4.1	-5.3	300.9	302.7	0.5	9.5	3.5	225.
10.3	33.8	3042.8	700.0	0.3	-23.1	29.3	4.7	-2.3	-4.1	302.8	305.5	0.8	15.2	3.9	225.
11.5	36.3	3333.5	675.0	-1.3	-24.1	17.5	4.1	-1.2	-3.9	304.2	306.7	0.8	15.7	4.1	223.
12.5	38.8	3633.1	650.0	-3.3	-27.5	0.0	4.5	-0.0	-4.5	305.3	307.3	0.6	13.2	4.3	221.
13.6	41.4	3942.1	625.0	-4.9	-31.4	342.4	5.5	1.7	-5.2	306.9	308.3	0.4	10.3	4.5	218.
14.7	44.1	4261.8	600.0	-6.3	-34.9	333.6	7.4	3.3	-6.7	308.8	309.9	0.3	8.2	4.8	216.
15.9	46.8	4593.6	575.0	-8.0	-35.9	320.5	9.4	6.0	-7.3	310.6	311.7	0.3	8.4	5.0	207.
17.2	49.6	4937.1	550.0	-10.7	-38.6	315.4	11.0	7.7	-7.8	311.4	312.3	0.2	7.8	5.4	199.
18.4	52.4	5293.5	525.0	-12.6	-40.2	306.7	12.2	9.8	-7.3	313.3	314.0	0.2	7.8	5.7	191.
19.8	55.4	5663.6	500.0	-15.8	-41.6	305.2	12.1	9.9	-7.0	313.8	314.5	0.2	8.7	6.2	183.
21.1	58.4	6047.9	475.0	-19.0	-43.8	298.2	11.4	10.0	-5.4	314.4	315.0	0.2	9.1	6.7	176.
22.5	61.5	6446.0	450.0	-22.3	-45.3	296.4	10.3	9.2	-4.6	315.2	315.7	0.1	10.3	7.2	169.
24.0	64.6	6858.6	425.0	-26.3	-47.5	292.8	11.0	10.2	-4.3	315.2	315.7	0.1	11.5	7.8	164.
25.6	67.9	7286.5	400.0	-30.0	-48.6	287.2	12.2	11.7	-3.6	316.0	316.4	0.1	14.2	8.4	158.
27.2	71.3	7730.2	375.0	-32.9	-50.5	298.5	14.5	12.8	-6.9	318.1	318.4	0.1	15.2	9.4	152.
28.9	74.9	8218.7	350.0	-35.0	-52.1	300.1	22.1	19.1	-11.1	321.5	321.9	0.1	15.4	11.0	147.
30.9	78.5	8753.1	325.0	-38.0	-54.4	304.1	31.0	25.7	-17.4	324.3	324.6	0.1	15.7	13.9	142.
32.8	82.3	9299.5	300.0	-42.4	99.9	297.9	35.8	31.6	-16.7	325.7	999.9	99.9	999.9	17.6	138.
34.8	86.5	9880.4	275.0	-47.9	99.9	290.5	39.1	36.8	-13.7	325.9	999.9	99.9	999.9	21.6	133.
37.0	90.8	10501.6	250.0	-53.2	99.9	286.9	43.8	41.9	-12.7	326.9	999.9	99.9	999.9	26.7	128.
39.6	95.3	11172.3	225.0	-58.6	99.9	286.0	45.3	43.5	-12.5	328.7	999.9	99.9	999.9	33.4	123.
42.2	100.2	11905.7	200.0	-62.0	99.9	294.7	39.2	35.7	-16.4	334.6	999.9	99.9	999.9	40.1	121.
44.8	105.5	12720.5	175.0	-66.7	99.9	282.4	35.2	34.4	-7.6	339.9	999.9	99.9	999.9	45.6	120.
48.1	111.3	13663.4	150.0	-62.3	99.9	277.4	29.4	29.1	-3.8	342.9	999.9	99.9	999.9	51.5	117.
52.1	117.8	14742.4	125.0	-61.1	99.9	281.5	23.1	22.6	-4.6	384.3	999.9	99.9	999.9	57.5	115.
56.5	125.3	16175.8	100.0	-61.7	99.9	288.4	19.9	18.9	-6.3	408.6	999.9	99.9	999.9	63.7	114.
62.8	133.5	17952.8	75.0	-61.5	99.9	294.6	12.8	11.6	-5.3	444.0	999.9	99.9	999.9	69.6	114.
71.1	143.0	20498.1	50.0	-56.6	99.9	317.2	5.2	3.5	-3.8	505.3	999.9	99.9	999.9	73.8	114.
83.7	153.0	24934.0	25.0	-50.3	99.9	999.9	999.9	99.9	99.9	639.9	999.9	99.9	999.9	74.8	114.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

3 MAY 1978
300 GMT

135 61. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.4	791.0	924.0	7.8	2.3	60.0	3.1	-2.7	-1.5	287.4	300.4	4.9	68.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	15.7	1007.3	900.0	5.9	-2.1	72.5	10.0	-9.6	-3.0	287.6	297.4	3.7	56.5	0.4	248.
1.8	18.2	1237.1	875.0	3.8	-3.4	72.3	9.6	-9.2	-2.9	287.8	297.1	3.4	59.3	1.0	250.
2.7	20.8	1471.8	850.0	1.7	-4.0	70.7	11.4	-10.7	-3.7	288.0	297.1	3.4	65.9	1.8	251.
3.6	23.3	1711.7	825.0	-0.3	-5.9	79.0	12.6	-12.3	-2.4	288.3	296.5	3.0	65.9	2.3	251.
4.6	25.9	1957.6	800.0	0.2	-36.8	89.9	10.8	-10.8	-0.0	291.4	292.5	0.4	7.9	2.9	254.
5.5	28.6	2212.2	775.0	0.6	-28.4	87.6	10.4	-10.4	-0.4	294.4	296.0	0.5	9.7	3.5	257.
6.5	31.3	2474.4	750.0	-1.5	-22.1	75.7	10.3	-10.0	-2.6	295.0	297.6	0.9	19.0	4.1	258.
7.5	34.0	2744.8	725.0	-0.3	-0.3	72.3	9.4	-9.0	-2.9	299.2	313.6	5.2	102.9	4.7	257.
8.6	36.8	3026.3	700.0	-0.8	-0.8	78.5	7.8	-7.7	-1.6	301.7	316.3	5.2	102.8	5.2	257.
9.6	39.6	3317.2	675.0	-1.4	-1.4	95.9	8.9	-8.8	0.9	304.1	318.8	5.2	102.4	5.7	258.
10.7	42.4	3617.6	650.0	-2.9	-2.9	99.8	9.3	-9.2	1.6	305.7	319.3	4.8	101.9	6.3	260.
11.8	45.3	3928.2	625.0	-4.6	-4.6	100.3	9.8	-9.7	1.8	307.2	319.9	4.4	100.8	6.9	262.
12.9	48.4	4248.8	600.0	-6.7	-6.7	103.9	11.2	-10.8	2.7	308.4	319.7	3.9	101.4	7.5	263.
14.1	51.4	4583.7	575.0	-8.3	-8.3	106.7	13.0	-12.5	3.7	310.3	320.9	3.6	101.1	8.3	266.
15.3	54.5	4924.6	550.0	-10.5	-10.5	114.0	12.6	-11.5	5.1	311.6	321.0	3.1	99.8	9.2	268.
16.6	57.6	5281.8	525.0	-12.6	-12.9	119.1	13.9	-12.2	6.8	313.2	321.5	2.7	97.6	10.1	271.
17.9	60.9	5653.2	500.0	-14.5	-15.2	127.1	13.9	-11.1	8.4	315.4	322.7	2.3	94.5	11.0	274.
19.2	64.0	6040.2	475.0	-16.9	-17.7	139.5	12.6	-8.2	9.6	317.1	323.4	2.0	93.3	11.9	277.
20.6	67.6	6444.5	450.0	-19.7	-20.4	152.5	9.0	-4.1	8.0	318.5	323.9	1.7	93.5	12.5	280.
22.2	71.1	6866.7	425.0	-22.8	-24.0	158.9	7.3	-2.6	6.8	319.8	324.0	1.3	89.4	12.9	283.
23.8	74.7	7309.1	400.0	-25.8	-28.2	177.3	8.1	-0.4	8.0	321.5	324.6	0.9	80.1	13.2	285.
25.4	78.6	7773.7	375.0	-29.3	-31.8	173.4	12.0	-1.4	11.9	322.9	325.3	0.7	78.1	13.5	289.
27.2	82.5	8262.4	350.0	-33.5	-36.5	169.1	15.6	-2.9	15.3	323.6	325.3	0.5	73.9	14.2	295.
29.0	86.5	8778.5	325.0	-37.5	-41.0	167.5	17.0	-3.7	16.6	325.0	326.2	0.3	69.3	15.4	300.
31.1	90.8	9329.1	300.0	-42.4	99.9	170.7	18.4	-3.0	18.2	325.5	999.9	99.9	999.9	16.9	306.
33.1	95.3	9907.4	275.0	-47.2	99.9	168.5	26.3	-5.3	25.7	326.9	999.9	99.9	999.9	18.9	311.
35.4	100.0	10530.9	250.0	-52.8	99.9	170.6	31.3	-5.1	30.9	327.6	999.9	99.9	999.9	22.1	316.
37.8	105.0	11201.7	225.0	-58.7	99.9	168.8	37.7	-7.3	37.0	328.6	999.9	99.9	999.9	26.4	323.
40.1	110.2	11931.5	200.0	-65.1	99.9	174.4	38.5	-3.7	38.3	329.7	999.9	99.9	999.9	31.3	328.
42.8	115.8	12749.7	175.0	-62.*	99.9	202.1	33.4	11.4	28.1	346.*	999.9	99.9	999.9	36.5	333.
45.8	121.8	13775.7	150.0	-60.6	99.9	227.0	12.5	9.2	8.6	365.7	999.9	99.9	999.9	38.1	338.
48.8	128.3	14646.0	125.0	-60.1	99.9	233.7	10.3	8.3	6.1	386.1	999.9	99.9	999.9	38.0	341.
52.0	135.0	16239.6	100.0	-60.2	99.9	241.6	13.2	11.6	6.3	411.4	999.9	99.9	999.9	39.6	343.
56.6	144.5	18027.5	75.0	-61.3	99.9	999.9	999.9	99.9	99.9	444.5	999.9	99.9	999.9	39.1	348.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

3 MAY 1978
223 GMT

153 17. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.5	268.0	983.9	10.0	-0.5	20.0	2.6	-0.9	-2.4	284.5	294.5	3.8	48.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.3	344.1	975.0	12.3	-0.5	999.9	99.9	99.9	99.9	287.6	297.8	3.8	41.8	999.9	999.
1.1	10.4	561.6	950.0	11.5	-2.2	999.9	999.9	99.9	99.9	288.9	298.2	3.4	38.3	999.9	999.
1.9	12.6	783.7	925.0	9.7	-3.2	999.9	999.9	99.9	99.9	289.2	298.2	3.3	40.1	999.9	999.
2.9	14.8	1010.1	900.0	7.6	-3.5	999.9	999.9	99.9	99.9	289.3	298.4	3.3	45.4	999.9	999.
3.9	17.0	1241.2	875.0	5.4	-3.9	999.9	999.9	99.9	99.9	289.4	298.3	3.3	50.9	2.9	235.
4.9	19.3	1477.2	850.0	2.9	-4.9	76.2	12.7	-12.4	4.0	289.2	297.8	3.1	56.5	3.6	239.
5.9	21.5	1718.1	825.0	0.8	-8.1	84.0	12.3	-12.3	-1.3	289.5	296.6	2.6	52.1	4.3	242.
6.9	23.9	1965.8	800.0	2.5	-22.2	97.2	9.7	-9.7	1.2	293.8	296.3	0.8	14.0	4.9	.
7.9	26.3	2222.8	775.0	3.7	-28.3	90.6	6.4	-6.4	0.1	297.8	299.3	0.5	7.4	5.3	249.
8.9	28.7	2489.8	750.0	5.6	-28.5	43.7	3.5	-2.4	-2.5	302.7	304.3	0.5	6.4	5.6	249.
10.0	31.1	2766.2	725.0	4.6	-26.8	16.5	1.6	-0.4	-1.5	304.6	306.5	0.6	8.0	5.8	248.
11.2	33.6	3051.3	700.0	4.2	-25.2	133.8	1.1	-0.8	0.8	306.0	308.7	0.8	12.4	5.8	248.
12.5	36.2	3344.5	675.0	1.1	-24.7	165.2	3.4	-0.9	3.3	306.9	309.3	0.8	12.4	5.7	250.
13.7	38.8	3646.6	650.0	-1.2	-17.7	154.3	5.1	-2.2	4.6	307.6	312.4	1.5	28.3	5.7	253.
15.1	41.4	3958.7	625.0	-2.5	-15.9	155.8	5.0	-2.1	4.6	309.6	315.1	1.8	34.8	5.8	257.
16.5	44.2	4281.1	600.0	-5.2	-18.2	150.4	4.2	-2.1	3.7	310.2	314.9	1.5	35.1	5.9	261.
17.8	47.0	4613.7	575.0	-7.6	-19.3	165.9	3.9	-0.9	3.7	310.9	315.4	1.4	39.0	6.0	264.
19.2	49.8	4956.3	550.0	-9.1	-24.5	208.5	6.1	2.9	5.4	313.3	316.4	0.9	27.3	5.9	267.
20.5	52.7	5311.0	525.0	-11.3	-29.1	215.2	9.5	5.5	7.8	314.9	317.1	0.6	21.2	5.5	272.
22.0	55.7	5685.8	500.0	-13.0	-35.7	214 6	11.6	6.6	9.5	317.2	318.5	0.4	13.0	5.1	281.
23.4	58.8	6078.5	475.0	-15.9	-40.5	220.8	10.8	7.1	8.2	318.3	319.1	0.2	10.0	4.8	292.
24.8	62.0	6483.7	450.0	-18.6	-40.3	250.8	6.8	6.4	2.2	319.8	320.7	0.2	12.7	4.5	300.
26.5	65.1	6906.9	425.0	-22.2	-40.8	281.2	5.2	5.1	-1.0	320.6	321.5	0.2	16.3	4.0	334.
28.0	68.6	7349.6	400.0	-25.8	-38.2	306.1	4.7	3.8	-2.8	321.5	322.8	0.4	30.5	3.5	305.
29.9	72.1	7813.1	375.0	-30.3	-34.3	273.9	4.9	4.9	-0.3	321.6	323.5	0.5	67.4	3.0	305.
31.9	75.7	8300.1	350.0	-34.1	-36.9	235.9	8.9	7.4	5.0	322.7	324.4	0.5	75.9	2.8	319.
33.7	79.4	8814.6	325.0	-38.4	-41.3	238.7	14.2	12.2	7.4	323.7	324.9	0.3	73.5	2.9	345.
35.7	83.4	9359.3	300.0	-42.9	99.9	249.6	19.5	18.3	6.8	324.9	999.9	99.9	999.9	3.8	15.
37.6	87.7	9939.9	275.0	-47.8	99.9	254.2	23.6	22.7	6.4	326.1	999.9	99.9	999.9	5.6	38.
39.5	92.0	10561.2	250.0	-52.9	99.9	245.9	29.5	27.0	12.0	327.5	999.9	99.9	999.9	8.2	49.
41.7	96.8	11230.8	225.0	-59.1	99.9	237.4	36.5	30.7	19.7	328.0	999.9	99.9	999.9	12.5	53.
44.4	101.8	11956.5	200.0	-65.2	99.9	233.7	42.0	33.9	24.9	329.5	999.9	99.9	999.9	18.8	54.
47.3	107.3	12776.4	175.0	-60.6	99.9	246.5	40.0	36.7	15.9	349.9	999.9	99.9	999.9	25.3	54.
49.3	113.3	13727.4	150.0	-64.1	99.9	261.1	17.0	16.8	2.6	359.7	999.9	99.9	999.9	29.0	58.
53.9	120.0	14846.1	125.0	-61.1	99.9	257.6	16.3	15.9	3.5	384.3	999.9	99.9	999.9	32.3	59.
58.1	127.3	16237.0	100.0	-60.9	99.9	276.2	14.8	14.7	-1.6	410.1	999.9	99.9	999.9	36.6	63.
64.3	136.0	18027.5	75.0	-59.5	99.9	285.3	7.3	7.1	-1.9	448.2	999.9	99.9	999.9	39.5	67.
72.3	145.5	20558.7	50.0	-59.8	99.9	298.8	3.8	3.3	-1.8	502.7	999.9	99.9	999.9	41.3	69.
86.4	155.7	24989.8	25.0	-50.3	99.9	240.0	3.5	3.0	1.8	640.6	999.9	99.9	999.9	41.8	71.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

3 MAY 1978
215 GMT

143 26. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.2	200.0	995.0	11.1	-7.2	20.0	2.1	-0.7	-2.0	284.7	290.8	2.2	27.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.8	370.1	975.0	12.7	-6.7	40.1	4.3	-2.8	-3.3	286.0	294.6	2.4	25.2	0.2	223.
1.5	11.0	587.1	950.0	10.7	-8.2	44.4	4.9	-3.4	-3.5	288.0	294.1	2.2	25.7	0.4	224.
2.3	13.2	808.1	925.0	8.4	-9.1	38.2	5.3	-3.3	-4.1	287.9	293.8	2.1	27.8	0.7	223.
3.0	15.4	1033.4	900.0	6.3	-10.7	36.7	5.4	-3.2	-4.3	288.0	293.3	1.9	28.3	0.9	221.
3.9	17.5	1263.3	875.0	4.0	-11.7	33.3	5.2	-2.8	-4.3	288.0	293.0	1.8	30.5	1.2	220.
4.8	19.8	1497.7	850.0	1.5	-12.7	23.2	5.5	-2.2	-5..	287.8	292.6	1.7	33.8	1.5	218.
5.7	22.1	1737.2	825.0	-0.8	-13.5	5.7	5.4	-0.5	-5.4	287.8	292.4	1.6	37.5	1.8	214.
6.5	24.4	1982.4	800.0	-1.6	-15.0	1.8	5.4	-0.2	-5.4	289.5	293.8	1.5	35.3	2.0	210.
7.4	26.7	2236.7	775.0	1.1	-23.9	19.8	5.8	-2.0	-5.5	295.0	297.2	0.7	13.3	2.3	207.
8.3	29.1	2500.7	750.0	1.8	-21.8	2 .6	5.5	-2.1	-5.1	298.5	301.3	0.9	15.8	2.6	207.
9.0	31.6	2773.0	725.0	-0.2	-12.9	1.	6.0	-1.6	-5.8	299.3	305.0	1.9	37.4	3.0	206.
10.4	34.0	3052.5	700.0	-2.0	-14.2	10.6	5.7	-1.1	-5.6	300.3	305.7	1.8	38.7	3.3	204.
11.5	36.6	3341.5	675.0	-3.4	-17.3	5.8	4.3	-0.4	-4.3	301.9	306.3	1.5	33.3	3.6	203.
12.7	39.1	3639.2	650.0	-4.6	-20.3	357.6	3.7	0.2	-3.7	303.8	307.4	1.2	28.0	3.9	202.
13.9	41.7	3947.5	625.0	-5.5	-25.3	334.2	3.9	1.7	-3.5	306.2	308.7	0.8	19.2	4.1	203.
15.1	44.3	4266.4	600.0	-7.6	-26.5	325.2	4.4	2.5	-3.6	307.4	309.7	0.7	20.1	4.3	196.
16.5	47.0	4595.7	575.0	-10.0	-27.9	338.9	5.1	1.8	-4.7	308.2	310.4	0.7	21.5	4.5	193.
17.9	49.8	4937.1	550.0	-12.3	-30.3	3 5.1	5.8	1.5	-5..	309.4	311.3	0.6	20.5	5.0	190.
19.3	52.8	5291.0	525.0	-15.1	-32.1	344.2	6.3	1.7	-6.0	310.3	311.9	0.5	21.8	5.4	188.
20.6	55.7	5657.7	500.0	-16.1	-34.1	343.9	6.7	1.9	-6.4	311.0	312.4	0.4	22.8	5.9	186.
22.1	58.7	6038.5	475.0	-21.4	-37.2	349.5	8.6	1.6	-8.4	311.5	312.6	0.3	22.2	6.5	184.
23.5	61.6	6435.1	450.0	-24.2	-40.0	346.8	10.7	2.4	-10.5	312.8	313.7	0.3	21.5	7.3	182.
25.1	64.9	6849.2	425.0	-27.6	-43.1	338.5	10.1	3.7	-9.4	313.6	314.3	0.2	21.1	8.2	180.
26.8	68.1	7282.5	400.0	-30.5	-45.7	335.9	13.2	5.4	-12.0	315.3	315.9	0.2	20.7	9.3	177.
28.3	71.6	7739.3	375.0	-33.5	-48.4	333.2	15.3	6.9	-13.7	317.3	317.8	0.1	20.4	10.5	175.
30.0	75.1	8220.1	350.0	-37.2	-51.8	321.2	17.1	10.7	-13.3	318.7	319.0	0.1	19.9	12.0	171.
31.8	78.9	8728.1	325.0	-41.1	99.9	310.2	18.8	14.5	-12.2	320.0	999.9	99.9	999.9	13.6	166.
33.9	82.7	9267.5	300.0	-44.6	99.9	300.9	25.9	22.3	-13.3	322.5	999.9	99.9	999.9	15.7	160.
35.8	86.8	9845.1	275.0	-48.5	99.9	302.4	38.4	32.4	-20.6	328.0	999.9	99.9	999.9	18.7	153.
37.9	91.0	10465.2	250.0	-53.4	99.9	296.8	45.0	40.1	-20.3	326.6	999.9	99.9	999.9	23.4	146.
40.1	95.6	11133.8	225.0	-59.4	99.9	290.7	48.6	45.5	-17.1	327.5	999.9	99.9	999.9	28.8	139.
42.5	100.4	11864.5	200.0	-63.6	99.9	297.8	46.0	40.7	-21.5	332.0	999.9	99.9	999.9	35.1	134.
45.2	105.8	12674.4	175.0	-64.3	99.9	295.3	32.1	29.0	-13.7	343.8	999.9	99.9	999.9	41.6	131.
48.1	111.4	13634.9	150.0	-60.1	99.9	280.0	22.0	21.7	-3.8	366.6	999.9	99.9	999.9	45.2	130.
51.5	117.7	14767.2	125.0	-60.5	99.9	288.5	21.5	20.4	-6.8	385.4	999.9	99.9	999.9	49.4	127.
55.6	124.5	16157.5	100.0	-61.7	99.9	288.8	14.5	13.7	-4.7	408.6	999.9	99.9	999.9	53.6	126.
60.6	132.0	17942.1	75.0	-61.0	99.9	296.5	12.6	11.3	-5.6	443.0	999.9	99.9	999.9	57.7	124.
67.6	140.3	20488.9	50.0	-54.9	99.9	315.2	5.6	4.0	-4.0	514.3	999.9	99.9	999.9	60.9	125.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 953
OMAHA, NEBRASKA

3 MAY 1978
200 GMT

150 12. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.9	400.0	969.3	11.3	-3.6	110.0	1.5	-1.4	0.5	287.0	295.3	3.0	35.0	0.0	0.
99.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	10.6	568.9	950.0	12.9	-7.0	112.4	4.8	-4.5	1.9	290.2	296.9	2.4	24.4	0.2	297.
1.3	12.8	751.9	925.0	10.9	-8.2	109.8	5.0	-4.7	1.7	290.5	296.8	2.2	25.2	0.4	295.
2.2	15.0	1019.1	900.0	8.8	-8.7	105.1	5.1	-4.9	1.3	290.6	296.8	2.2	27.9	0.7	292.
2.9	17.2	1251.1	875.0	6.7	-9.1	99.1	5.6	-5.5	0.9	290.7	296.9	2.2	31.3	0.9	290.
3.8	19.5	1488.1	850.0	4.3	-9.2	90.5	5.5	-5.5	0.0	290.7	297.0	2.2	36.5	1.2	286.
4.6	21.7	1730.0	825.0	2.2	-9.4	86.1	5.6	-5.6	-0.4	290.9	297.3	2.3	42.8	1.4	283.
5.4	24.1	1977.2	800.0	-0.4	-10.4	83.8	4.8	-4.8	-0.5	290.7	296.8	2.2	46.7	1.7	279.
6.3	26.5	2231.0	775.0	0.3	-23.4	106.2	5.5	-5.3	1.5	294.2	296.5	0.8	15.5	1.9	278.
7.2	28.9	2494.8	750.0	1.6	-27.4	125.4	6.5	-5.3	3.8	298.3	300.0	0.5	9.3	2.3	281.
8.0	31.3	2767.8	725.0	3.9	30.6	138.8	6.1	-4.0	4.6	301.6	302.9	0.4	6.8	2.5	285.
8.8	33.8	3050.7	700.0	2.1	-33.2	142.9	7.1	-4.3	5.7	304.8	305.9	0.3	5.2	2.8	289.
9.6	36.4	3343.7	675.0	1.4	-31.7	146.0	8.5	-4.7	7.0	307.2	308.5	0.4	6.3	3.2	294.
10.6	38.9	3646.0	650.0	-0.7	-24.6	147.2	7.8	-4.1	6.4	308.2	310.7	0.8	14.3	3.5	297.
11.6	41.6	3957.9	625.0	-3.0	-25.2	149.1	5.9	-3.1	5.1	309.0	311.5	0.8	16.0	3.9	300.
12.7	44.3	4279.7	600.0	-5.1	-26.7	155.8	5.5	-2.3	5.0	310.2	312.5	0.7	16.3	4.2	303.
13.7	47.0	4612.0	575.0	-7.8	-27.2	162.4	5.5	-1.6	5.2	311.9	313.2	0.7	19.3	4.4	306.
14.7	49.9	4955.6	550.0	-11.1	-30.1	158.4	5.3	-1.9	4.9	310.9	312.8	0.6	19.0	4.7	308.
15.6	52.8	5311.7	525.0	-12.9	-31.5	168.0	5.4	-1.1	5.2	312.9	314.6	0.5	19.2	5.0	310.
17.1	55.8	5682.7	500.0	-14.6	-34.4	172.1	7.2	-1.0	7.2	315.3	316.7	0.4	16.5	5.3	313.
18.3	58.8	6068.6	475.0	-17.5	-36.1	170.0	7.2	-1.2	7.1	316.3	317.4	0.3	14.5	5.8	317.
19.8	62.0	6471.2	450.0	-20.4	-39.5	166.7	7.4	-1.7	7.2	317.6	318.6	0.3	16.0	6.3	320.
21.4	65.1	6891.7	425.0	-23.9	-43.2	175.6	9.7	-0.7	9.6	318.3	319.0	0.2	14.9	6.9	322.
22.6	68.6	7331.9	400.0	-27.3	-34.3	191.0	10.8	2.1	10.6	319.5	321.3	0.5	51.2	7.6	327.
23.9	72.0	7793.9	375.0	-30.0	-37.3	215.4	7.1	4.1	5.8	322.0	323.4	0.4	48.5	8.2	331.
25.4	75.6	8283.9	350.0	-31.9	-42.5	288.5	7.6	7.2	-2.4	325.7	326.7	0.3	33.9	8.1	334.
26.9	79.3	8804.0	325.0	-35.1	-45.9	301.9	17.3	14.7	-9.2	328.3	329.0	0.2	32.0	7.1	338.
28.6	83.2	9357.8	300.0	-38.8	-49.9	290.2	24.6	23.1	-8.5	330.6	331.3	0.1	29.6	5.7	343.
30.3	87.3	9949.4	275.0	-43.4	99.9	274.8	29.1	29.0	-2.0	332.4	999.9	99.9	999.9	5.5	22.
32.6	91.7	10582.7	250.0	-49.2	99.9	264.7	31.5	31.4	2.9	333.0	999.9	99.9	999.9	7.3	44.
33.7	96.2	11265.8	225.0	-54.4	99.9	255.5	35.6	34.4	8.9	335.2	999.9	99.9	999.9	10.2	56.
36.1	101.2	12011.5	200.0	-59.5	99.9	249.3	42.8	40.0	15.1	338.5	999.9	99.9	999.9	15.8	61.
38.1	106.5	12839.2	175.0	-62.2	99.9	262.5	38.0	37.7	5.0	347.3	999.9	99.9	999.9	21.0	64.
40.0	112.3	13778.5	150.0	-68.1	99.9	271.6	26.0	26.0	-0.7	352.8	999.9	99.9	999.9	24.3	68.
43.2	118.7	14902.5	125.0	-60.0	99.9	263.0	15.8	15.7	1.9	386.5	999.9	99.9	999.9	27.5	75.
46.9	125.8	16303.6	100.0	-59.2	99.9	270.3	14.1	14.1	-0.1	413.4	999.9	99.9	999.9	30.8	72.
51.6	133.7	18099.6	75.0	-59.2	99.9	270.4	11.3	11.3	-0.1	448.5	999.9	99.9	999.9	34.1	73.
58.9	142.7	20631.2	50.0	-60.4	99.9	321.1	7.8	4.9	-6.0	501.2	999.9	99.9	999.9	37.9	77.
65.5	152.3	25031.8	25.0	-54.6	99.9	999.9	999.9	99.9	99.9	628.0	999.9	99.9	999.9	38.1	80.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562
NORTH PLATTE, NEBRASKA

3 MAY 1978
215 GMT

143 9. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	D'R DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.7	847.0	917.4	8.3	-1.8	160.0	3.1	-1.1	2.9	288.5	298.4	3.7	49.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	14.0	1005.7	900.0	8.8	-3.8	169.7	5.3	-0.9	5.2	290.6	299.5	3.2	40.7	0.2	342.
1.5	16.0	1237.9	875.0	6.8	-4.8	177.4	4.4	-0.2	4.4	290.9	299.4	3.1	43.0	0.5	349.
2.4	18.1	1475.2	850.0	4.5	-5.5	178.9	4.2	-0.1	4.2	290.8	299.1	3.0	48.3	0.7	353.
3.3	20.2	1717.5	825.0	2.3	-6.0	180.4	3.9	0.0	3.9	291.1	299.3	3.0	54.0	0.9	353.
4.1	22.3	1965.3	800.0	0.5	-6.5	191.2	1.8	0.3	1.8	291.7	299.9	2.9	59.2	1.1	355.
5.1	24.4	2219.0	775.0	-2.0	-9.3	156.6	1.5	-0.6	1.4	291.7	298.6	2.4	57.3	1.1	356.
6.1	26.5	2481.1	750.0	1.1	-27.4	131.5	2.9	-2.1	1.9	297.8	299.5	0.5	9.7	1.2	352.
7.1	28.8	2753.3	725.0	0.7	-27.9	144.5	4.1	-2.4	3.4	300.3	302.0	0.5	9.5	1.4	346.
8.2	31.1	3034.1	700.0	-0.7	-28.7	156.8	4.8	-1.9	4.4	301.8	303.4	0.5	9.7	1.7	344.
9.1	33.4	3323.8	675.0	-3.3	-15.2	153.7	5.2	-2.3	4.7	303.1	308.4	1.8	36.9	2.0	343.
10.2	35.7	3622.7	650.0	-3.8	-8.8	155.9	5.9	-2.4	5.4	304.6	313.5	3.0	68.4	2.3	342.
11.4	38.1	3931.6	625.0	-5.7	-10.9	154.6	6.3	-2.7	5.7	305.9	313.8	2.7	66.7	2.8	341.
12.6	40.6	4250.2	600.0	-8.4	-12.5	149.5	5.8	-3.0	5.0	306.5	313.8	2.4	71.7	3.2	339.
13.9	43.0	4579.5	575.0	-9.0	-16.8	159.5	4.0	-1.4	3.8	309.4	315.0	1.8	53.3	3.6	339.
15.1	45.7	4919.3	550.0	-10.6	-19.5	239.8	2.5	2.1	1.2	311.5	316.2	1.5	47.7	3.8	339.
16.4	48.3	5270.4	525.0	-12.1	-29.0	280.9	6.0	5.9	-1.1	313.9	316.1	0.7	23.2	3.6	343.
17.7	51.0	5631.4	500.0	-15.0	-34.9	259.6	7.9	7.8	1.4	314.8	316.1	0.4	16.3	3.5	352.
19.0	53.8	6004.8	475.0	-18.7	-36.1	243.2	7.5	6.7	3.4	314.9	316.1	0.4	19.7	3.6	1.
20.4	56.6	6387.2	450.0	-22.2	-48.2	222.1	7.0	4.7	5.2	315.4	316.5	0.3	21.5	4.1	8.
21.9	59.4	6784.6	425.0	-25.7	-41.5	217.9	5.5	3.4	4.4	316.1	316.9	0.2	20.9	4.6	11.
23.4	62.6	7196.7	400.0	-29.0	-44.5	249.5	4.8	4.5	1.7	317.3	317.9	0.2	20.6	5.0	15.
25.4	65.8	7748.9	375.0	-32.2	-47.1	300.5	6.8	5.9	-3.5	319.0	319.4	0.1	20.8	5.1	21.
27.2	69.2	8252.1	350.0	-35.6	-51.8	306.1	13.4	10.8	-7.9	320.8	321.1	0.1	16.9	4.8	32.
29.2	72.4	8743.4	325.0	-40.1	99.9	284.4	16.0	15.5	-4.0	321.5	999.9	99.9	999.9	5.3	52.
31.1	76.0	9223.6	300.0	-45.0	99.9	261.8	16.5	16.4	2.4	321.9	999.9	99.9	999.9	6.8	62.
33.0	79.7	9660.3	275.0	-49.2	99.9	240.1	20.8	18.0	10.4	324.0	999.9	99.9	999.9	9.2	64.
35.8	84.7	10478.4	250.0	-54.4	99.9	222.4	25.5	17.2	18.9	325.2	999.9	99.9	999.9	12.5	60.
38.1	87.8	11146.2	225.0	-59.0	99.9	211.0	32.5	16.7	27.9	328.1	999.9	99.9	999.9	16.3	54.
40.4	90.2	11860.4	200.0	-60.7	99.9	231.7	26.8	21.0	16.6	336.7	999.9	99.9	999.9	20.5	50.
42.7	97.2	12701.3	175.0	-65.7	99.9	262.4	15.4	15.3	2.0	341.5	999.9	99.9	999.9	23.7	52.
46.3	102.5	13655.3	150.0	-59.3	99.9	256.6	8.5	8.3	2.0	367.9	999.9	99.9	999.9	25.0	55.
50.5	106.3	14795.4	125.0	-60.1	99.9	253.3	8.5	8.2	2.5	386.1	999.9	99.9	999.9	27.1	56.
54.9	115.0	16196.0	100.0	-59.1	99.9	249.5	6.8	6.4	2.4	413.5	999.9	99.9	999.9	9.4	57.
63.0	123.3	17999.0	75.0	-59.4	99.9	284.3	8.1	7.9	-2.1	448.5	999.9	99.9	999.9	32.2	59.
71.5	133.5	20534.2	50.0	-58.7	99.9	287.7	3.8	3.6	-1.2	505.2	999.9	99.9	999.9	33.1	64.
88.9	146.0	24967.4	25.0	-52.7	99.9	243.6	2.2	1.9	1.0	633.1	999.9	99.9	999.9	32.9	65.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 13801
MARSHALL SPC, ALABAMA

3 MAY 1978
215 GMT

194 10. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.1	180.0	993.4	10.2	7.4	340.0	0.5	0.2	-0.5	283.9	308.7	6.5	83.0	0.0	0.
99.9	99.9	99.0	1000.0	99.9	99.9	99.9	99.0	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.9	336.9	975.0	13.5	2.9	24.0	9.1	-3.7	-8.3	288.8	301.7	[illegible]	48.5	0.3	287.
1.5	11.2	555.5	953.0	12.7	1.6	35.0	10.2	-5.9	-8.4	290.1	302.2	[illegible]	46.6	0.8	208.
2.3	13.5	778.7	925.0	11.2	0.7	34.7	8.5	-4.8	-6.9	290.8	302.6	6.4	48.3	1.3	214.
3.3	15.9	1007.8	900.0	10.2	-0.3	84.4	5.7	-5.7	-0.6	292.0	303.4	6.2	48.1	1.8	221.
4.2	18.3	1240.6	875.0	8.1	-0.9	116.9	4.7	-4.2	2.1	292.2	303.8	6.1	53.0	1.8	229.
5.1	20.7	1479.7	850.0	8.3	-13.5	146.9	3.2	-1.8	2.7	294.6	299.9	1.8	22.4	1.8	236.
6.0	23.2	1725.7	825.0	6.1	-27.1	263.5	2.5	2.5	0.3	297.2	298.8	0.5	6.1	1.8	239.
7.1	25.7	1983.8	800.0	9.2	-24.2	262.0	6.1	6.0	-1.3	301.0	303.1	0.7	7.4	1.7	2 [illegible]
8.1	28.3	2242.2	775.0	7.9	-20.8	269.7	8.2	8.2	0.8	302.3	305.2	0.9	10.9	1.3	2.9.
9.1	30.6	2511.5	750.0	6.5	-14.1	281.5	9.0	8.8	-1.8	303.6	308.8	1.7	21.3	1.2	195.
10.3	33.5	2789.8	725.0	4.8	-8.7	281.4	10.5	10.3	-2.1	304.8	31 .1	2.2	42.8	1.3	166.
11.4	36.2	3076.6	700.0	4.1	-16.3	296.6	11.9	11.5	-3.3	307.0	311.7	1.5	20.9	1.8	163.
12.5	38.5	3369.6	675.0	2.0	-16.2	293.8	13.3	12.2	-5.3	307.9	312.9	1.6	24.4	2.5	133.
13.6	41.7	3677.5	650.0	-0.1	-14.9	296.6	15.6	13.9	-7.0	308.8	314.6	1.9	32.1	3.4	129.
14.7	44.5	3985.0	625.0	-2.7	-9.4	298.6	19.6	18.3	-6.9	309.3	318.4	3.0	60.6	4.6	125.
16.0	47.4	4307.8	600.0	-5.0	-7.4	282.0	21.3	20.8	-4.4	310.4	321.2	3.7	82.8	6.2	120.
17.3	50.4	4641.2	575.0	-7.3	-14.0	281.6	21.3	20.8	-4.3	311.5	319.0	2.5	63.9	7.7	116.
18.6	53.4	4986.8	550.0	-8.6	-16.6	282.6	20.3	19.8	-4.4	313.9	319.8	1.9	52.1	9.4	113.
19.9	56.5	5346.1	525.0	-10.9	-17.9	282.8	19.9	19.4	-4.3	315.3	320.9	1.8	56.2	10.9	112.
21.3	59.6	5719.3	500.0	-13.6	-20.3	286.4	19.4	18.6	-5.3	316.5	321.3	1.5	56.8	12.7	111.
22.7	62.9	6107.5	475.0	-16.2	-20.9	287.8	18.4	17.5	-5.6	317.9	321.4	1.1	47.8	14.2	110.
24.1	66.3	6512.2	450.0	-18.9	-26.7	285.7	22.8	21.9	-6.1	319.5	322.7	1.0	50.1	16.1	110.
25.5	69.7	6935.6	425.0	-21.9	-31.5	285.1	29.5	28.5	-7.7	320.9	323.1	0.6	41.3	18.5	109.
27.1	73.3	7378.7	400.0	-25.5	-42.9	283.2	34.5	33.6	-7.9	321.9	322.7	0.2	17.6	21.8	109.
29.0	77.0	7842.9	375.0	-29.7	-44.3	278.8	34.1	33.8	-4.8	322.3	323.1	0.2	22.3	25.5	107.
31.0	80.7	8331.1	350.0	-33.3	-39.4	276.7	34.5	34.2	-4.2	323.9	325.1	[illegible]	53.9	29.4	106.
33.3	84.7	8847.6	325.0	-37.4	-41.8	277.9	34.6	34.2	-4.8	325.1	326.2	0.3	42.8	33.8	105.
35.4	89.8	9395.6	300.0	-41.4	99.9	276.2	34.3	34.1	-3.7	327.0	999.9	99.9	999.9	38.6	104.
37.5	93.2	9981.0	275.0	-45.3	99.9	271.5	36.7	36.7	-0.9	329.6	999.9	99.9	999.9	42.1	103.
39.7	97.8	10609.6	250.0	-50.8	99.9	267.8	38.1	38.1	1.5	330.5	999.9	99.9	999.9	47.1	101.
42.1	102.6	11287.8	225.0	-55.7	99.9	277.5	41.8	40.7	-5.4	333.2	999.9	99.9	[illegible]	52.8	101.
44.4	107.6	12021.1	200.0	-61.0	99.9	277.9	45.2	44.7	-6.2	336.2	999.9	99.9	[illegible]	56.0	100.
47.0	113.2	12851.8	175.0	-65.1	99.9	270.6	60.80	60.8	-0.6	342.5	999.9	99.9	999.9	64.4	100.
49.1	119.0	13786.3	150.0	-67.3	99.9	283.8	48.30	46.9	-11.5	354.1	999.9	99.9	999.9	74.2	99.
53.7	125.5	14835.6	125.0	-66.3	99.9	285.2	32.40	31.3	-8.5	374.9	999.9	99.9	999.9	84.1	102.
58.4	132.5	16242.4	100.0	-65.5	99.9	289.8	23.50	22.3	-7.6	401.2	999.9	99.9	999.9	91.8	100.
64.2	140.3	18016.4	75.0	-62.5	99.9	297.4	14.80	12.4	-8.5	441.9	999.9	99.9	999.9	98.3	101.
72.4	148.7	20526.1	50.0	-60.3	99.9	258.5	6.5	6.1	2.2	501.5	999.9	99.9	999.9	100.5	101.
85.6	157.3	24969.1	25.0	-50.9	99.9	227.4	9.7	7.2	6.6	638.6	999.9	99.9	999.9	102.1	101.

* RV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* RV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** RV SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

C-3

STATION NO: 23001
COLLEGE STATION, TEXAS

3 MAY 1978
323 GMT

29 696. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	79.0	996.4	17.0	16.2	0.0	0.0	0.0	0.0	290.5	321.7	12.1	99.0	0.0	0.
99.9	99.9	99.9	1007.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	0.0	268.0	975.0	13.3	12.1	999.9	999.9	99.9	99.9	288.5	312.8	9.4	93.1	999.9	999.
2.0	1.5	452.3	950.7	13.5	12.6	999.9	999.9	99.9	99.9	290.8	316.0	9.7	94.0	1.1	109.
3.1	2.6	737.4	925.0	13.7	12.6	305.1	12.0	9.8	-6.9	293.3	319.4	10.0	93.1	1.9	149.
4.2	3.8	938.4	900.0	12.4	11.2	296.3	16.6	14.9	-7.4	294.3	318.9	9.3	92.9	2.2	156.
5.1	4.9	1175.8	875.0	12.5	11.4	28.4	18.0	16.9	-6.8	296.8	322.8	9.8	93.2	3.1	138.
6.0	5.8	1419.8	850.0	11.0	10.3	298.3	18.7	17.6	-5.9	297.7	322.6	9.3	95.6	4.8	131.
6.9	7.5	1667.9	825.0	9.4	8.1	299.5	18.9	17.8	-6.3	298.6	321.9	8.3	91.7	6.9	127.
7.8	8.7	1923.4	800.0	8.6	6.7	298.8	19.1	18.2	-5.9	300.4	321.5	7.7	87.8	8.9	124.
8.9	9.8	2185.4	775.0	6.9	4.4	278.1	14.6	14.5	-2.1	300.8	319.6	6.8	86.9	7.3	121.
9.9	10.8	2454.8	750.0	4.8	2.6	271.1	12.6	12.6	-0.2	301.9	319.2	6.2	85.1	7.7	118.
10.9	11.9	2731.7	725.0	4.0	2.0	999.9	999.9	99.9	99.9	303.9	321.1	6.1	86.8	999.9	999.
11.9	12.8	3015.8	700.0	2.4	0.2	999.9	99.9	99.9	99.9	305.1	321.8	5.8	85.8	999.9	999.
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

3 May 1978

1200 GMT

STATION NO. 220
APALACHICOLA, FLORIDA

3 MAY 1978
1100 GMT

159 24. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.4	7.0	1009.6	22.1	21.1	80.0	5.2	-5.1	-0.9	294.5	335.2	15.8	94.0	0.0	0.
0.3	6.3	50.3	1000.0	21.0	20.0	95.4	6.5	-6.4	0.6	294.2	332.7	15.8	94.1	0.2	262.
1.1	8.5	310.4	975.0	20.9	19.9	117.8	7.3	-6.5	3.4	296.2	335.8	15.2	94.1	0.4	274.
1.9	10.8	536.2	950.0	20.8	19.8	137.2	8.3	-5.6	6.1	298.3	339.0	15.5	93.6	0.8	292.
2.7	13.1	767.3	925.0	19.4	18.1	139.4	8.4	-5.5	6.4	299.2	337.8	14.3	92.0	1.1	302.
3.6	15.5	1003.4	900.0	17.7	16.4	144.0	8.8	-5.1	7.1	299.7	336.8	13.2	92.4	1.6	307.
4.6	17.8	1244.5	875.0	16.0	14.9	153.7	9.0	-4.0	8.1	300.4	333.2	12.3	93.3	2.1	313.
5.6	20.2	1491.0	850.0	14.4	13.4	159.3	9.0	-3.2	8.4	301.3	332.1	11.5	93.5	2.6	318.
6.5	22.6	1743.0	825.0	12.3	9.3	166.9	9.1	-2.1	8.8	301.6	326.2	9.0	82.4	3.0	321.
7.4	25.1	2001.5	800.0	11.6	6.9	171.9	7.8	-1.1	7.7	303.5	325.3	7.9	73.3	3.5	326.
8.3	27.7	2266.5	775.0	10.7	-0.9	159.9	5.8	-2.0	5.4	305.4	319.2	4.8	46.5	3.8	328.
9.2	30.2	2539.7	750.0	9.2	-0.8	153.1	4.2	-1.9	3.7	306.5	320.6	4.9	58.1	4.0	328.
10.1	32.9	2820.1	725.0	8.0	-27.7	179.0	3.8	-0.1	3.8	308.3	310.4	0.6	6.8	4.2	329.
10.9	35.6	3108.4	700.0	6.4	-22.0	210.4	6.1	3.1	5.2	309.6	312.8	1.0	11.7	4.4	331.
12.0	38.2	3405.5	675.0	5.6	-46.5	220.7	10.3	6.7	7.8	311.9	312.3	0.1	1.0	4.6	337.
13.1	41.0	3713.0	650.0	3.8	-47.6	226.5	13.9	10.1	9.6	313.3	313.6	0.1	1.0	5.0	346.
14.0	43.8	4030.2	625.0	1.4	-31.6	227.5	16.0	11.8	10.8	314.1	315.6	0.4	6.4	5.4	356.
14.9	46.7	4356.7	600.0	-1.7	-22.3	227.2	16.9	12.4	11.5	314.2	317.7	1.1	19.1	6.0	0.
15.9	49.6	4693.4	575.0	-5.1	-14.5	225.1	16.6	11.8	11.7	314.1	320.8	2.2	47.8	6.7	7.
17.2	52.7	5040.5	550.0	-8.6	-13.0	224.6	16.3	12.8	13.0	313.8	321.7	2.5	70.5	7.9	13.
18.5	55.8	5399.5	525.0	-11.2	-12.1	232.1	20.2	15.9	12.4	315.0	323.8	2.9	93.6	9.1	18.
19.6	58.8	5773.4	500.0	-12.5	-13.0	239.8	22.9	19.8	11.5	317.9	326.6	2.8	95.9	10.5	24.
21.0	62.0	6164.2	475.0	-14.4	-15.2	251.2	22.8	21.6	7.4	320.1	327.9	2.5	93.6	11.7	29.
22.3	65.4	6572.6	450.0	-17.1	-18.4	259.1	24.8	24.3	4.7	321.7	328.2	2.0	89.5	13.1	35.
23.9	68.9	6999.3	425.0	-19.9	-21.9	264.3	24.9	24.8	2.5	323.5	328.6	1.5	83.7	14.8	42.
25.4	72.4	7446.5	400.0	-23.3	-26.1	267.2	25.7	25.7	1.2	324.7	328.5	1.1	77.5	16.5	47.
26.9	76.1	7916.5	375.0	-25.5	-30.0	274.8	26.3	26.2	-2.2	327.8	330.7	0.8	65.8	18.2	52.
28.4	80.0	8414.8	350.0	-28.3	-32.9	279.3	27.3	27.0	-4.4	330.6	333.0	0.7	64.1	20.1	57.
30.0	84.0	8942.1	325.0	-32.4	-37.7	283.4	25.0	24.3	-5.8	332.0	333.6	0.4	58.8	22.0	62.
31.7	88.2	9501.6	300.0	-36.8	-41.5	283.4	22.4	21.8	-5.2	333.5	334.7	0.3	61.1	23.7	66.
33.1	92.6	10097.2	275.0	-42.2	99.9	284.0	21.2	20.5	-5.1	334.2	999.9	99.9	999.9	25.3	68.
34.9	97.2	10733.2	250.0	-48.3	99.9	284.5	17.8	17.2	-4.4	334.3	999.9	99.9	999.9	26.9	71.
37.0	102.2	11419.0	225.0	-53.4	99.9	273.3	28.3	28.3	-1.7	336.7	999.9	99.9	999.9	29.2	73.
39.1	107.5	12167.5	200.0	-58.5	99.9	269.7	41.9	41.9	0.2	340.2	999.9	99.9	999.9	33.7	78.
41.7	113.3	12997.9	175.0	-64.0	99.9	274.9	54.2	54.0	-4.7	344.4	999.9	99.9	999.9	40.8	78.
44.6	119.7	13929.5	150.0	-68.6	99.9	272.2	62.4	62.4	-2.4	351.9	999.9	99.9	999.9	50.8	82.
47.9	126.7	15023.1	125.0	-69.7	99.9	280.2	40.4	39.8	-7.2	379.6	999.9	99.9	999.9	61.8	83.
51.7	134.3	16369.8	100.0	-71.5	99.9	292.4	20.3	18.7	-7.7	389.8	999.9	99.9	999.9	67.7	86.
57.0	143.0	18091.6	75.0	-67.1	99.9	274.4	9.8	9.8	-0.7	432.2	999.9	99.9	999.9	71.2	87.
65.3	152.5	20582.3	50.0	-61.6	99.9	233.2	3.6	2.9	2.2	498.5	999.9	99.9	999.9	73.4	87.
76.4	162.7	25024.1	25.0	-46.7	99.9	999.9	99.9	99.9	99.9	645.1	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 229
CENTERVILLE, ALABAMA

3 MAY 1978
1100 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

161 12. 1

TIME M:S	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	146.0	993.0	10.2	9.2	60.0	5.1	-4.4	-2.5	288.2	304.2	6.9	87.0	0.0	0.
59.6	59.6	55.4	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
0.5	7.1	269.4	975.0	15.2	9.6	999.9	999.9	99.9	99.9	293.4	318.7	7.8	69.5	999.9	999.
1.1	8.1	496.4	950.0	14.3	13.5	999.9	999.9	99.9	99.9	293.7	320.8	10.3	83.8	999.9	999.
2.2	11.1	717.8	925.0	17.1	13.3	145.3	13.8	-8.3	10.8	296.8	324.4	10.5	78.6	1.4	294.
3.1	12.1	903.4	900.0	20.1	9.5	162.8	15.7	-4.6	15.0	302.3	325.1	8.3	59.3	1.9	353.
3.5	15.1	1125.9	875.0	18.3	8.8	168.9	18.4	-3.5	18.1	302.8	324.3	7.8	51.0	2.6	316.
4.8	17.2	1443.8	850.0	16.5	6.7	172.1	17.9	-2.5	17.7	303.5	323.7	7.3	52.3	3.4	325.
5.4	19.3	1657.2	825.0	14.7	6.2	177.2	14.9	-0.7	14.8	304.2	324.4	7.2	56.5	4.2	331.
6.7	21.5	1876.8	800.0	12.7	4.9	189.5	10.2	1.1	10.2	304.7	323.4	6.8	58.9	4.9	335.
7.7	23.7	2092.8	775.0	10.8	3.3	184.8	6.6	0.5	6.6	305.4	323.2	6.3	60.6	5.3	337.
8.7	25.1	2295.4	750.0	8.9	2.4	187.5	4.9	0.6	4.8	306.3	323.6	6.1	63.4	5.6	339.
9.7	28.4	2715.3	725.0	6.6	2.2	197.2	4.8	1.4	4.6	306.7	324.2	6.1	72.5	5.8	340.
10.6	30.6	3093.1	700.0	4.9	3.1	222.7	5.7	3.8	4.2	307.0	327.4	6.9	88.6	6.0	342.
11.7	33.3	3.79.3	675.0	2.7	2.1	234.9	7.8	5.7	4.8	308.7	327.7	6.6	94.0	6.2	344.
12.6	35.8	3716.6	650.0	1.5	0.3	243.8	8.3	7.4	3.6	310.7	328.1	6.8	91.3	6.3	351.
13.6	38.4	3955.1	625.0	-0.6	-1.3	243.6	11.3	10.1	5.0	311.7	328.1	6.6	93.5	6.5	356.
14.1	41.1	4.25.5	600.0	-2.8	-3.6	247.9	14.3	13.2	5.4	312.9	327.4	6.9	94.3	6.9	3.
16.4	43.5	4642.1	575.0	-5.1	-6.7	252.6	17.7	16.5	5.5	314.1	328.2	6.8	88.8	7.5	11.
17.7	46.4	4.55.8	550.0	-6.5	-20.8	259.1	20.4	20.0	3.8	316.4	328.7	6.3	39.8	8.2	21.
19.0	49.6	5.12.7	525.0	-9.5	-14.5	258.8	22.0	21.6	4.3	317.6	324.5	2.4	66.7	9.2	33.
20.5	52.8	5742.5	500.0	-11.5	-18.1	256.5	20.9	20.3	4.9	319.1	324.9	1.8	57.7	10.6	38.
22.6	55.5	6115.8	475.0	-14.5	-26.7	253.2	19.4	18.6	5.6	320.0	325.8	1.5	59.1	12.1	42.
23.5	59.1	6527.2	450.0	-17.5	-29.6	250.9	21.1	19.5	4.9	321.2	323.8	0.8	36.8	13.7	44.
25.1	62.6	6913.8	425.0	-19.7	-26.7	248.3	24.8	21.5	10.8	323.8	327.8	1.2	64.5	15.7	48.
26.5	66.6	7451.1	400.0	-22.1	-29.9	240.5	24.8	21.6	12.2	326.3	329.8	0.8	48.7	18.4	51.
28.5	69.8	7873.5	375.0	-25.2	-62.6	244.7	21.3	19.2	9.1	328.3	328.4	0.0	1.9	21.0	53.
30.6	73.7	8375.6	350.0	-29.8	-69.9	242.3	20.3	17.9	9.4	328.6	328.6	0.0	1.0	23.1	54.
32.4	77.8	8853.6	325.0	-34.6	-53.0	241.3	19.9	17.4	9.5	329.0	329.4	0.1	14.8	25.3	54.
34.5	82.6	9418.1	300.0	-38.3	-43.3	244.7	20.8	18.8	8.9	331.3	332.2	0.2	47.3	27.7	55.
36.5	86.7	10045.4	275.0	-41.6	99.9	259.6	24.7	24.3	4.5	335.9	999.9	99.9	999.9	30.2	56.
38.7	91.6	10635.5	250.0	-46.8	99.9	267.7	32.2	32.2	1.3	336.6	999.9	99.9	999.9	33.6	66.
41.2	96.8	11376.9	225.0	-52.9	99.9	262.4	35.5	35.1	4.7	337.5	999.9	99.9	999.9	36.2	63.
43.7	102.5	12172.8	200.0	-59.6	99.9	259.4	36.1	36.6	7.2	338.3	999.9	99.9	999.9	43.5	65.
46.6	108.8	12944.8	175.0	-66.6	99.9	253.9	51.6	49.8	14.1	340.0	999.9	99.9	999.9	50.6	67.
49.2	115.3	13851.5	150.0	-71.1	99.9	262.9	51.8	51.4	6.4	347.7	999.9	99.9	999.9	59.8	68.
52.7	122.6	14961.8	125.0	-68.5	99.9	277.9	32.4	32.1	-4.4	376.9	999.9	99.9	999.9	67.9	71.
57.3	131.6	14378.1	100.0	-64.4	99.9	284.3	17.1	16.5	-4.2	403.6	999.9	99.9	999.9	73.7	73.
62.4	140.3	18044.6	75.0	-64.0	99.9	268.2	9.9	9.9	0.3	438.8	999.9	99.9	999.9	77.8	74.
76.5	170.8	25518.3	50.0	-59.8	99.9	275.9	6.1	6.0	-0.6	502.6	999.9	99.9	999.9	80.8	76.
84.2	187.5	29615.8	25.0	-48.9	99.9	999.9	999.9	99.9	99.9	644.2	999.9	99.9	999.9	82.1	78.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232
BOOTHVILLE, LOUISIANA

3 MAY 1978
1100 GMT

154 32. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.3	1.0	1002.3	24.4	22.6	140.0	10.2	-6.6	7.8	296.4	341.6	17.5	95.6	0.0	0.
0.1	5.4	21.3	1000.6	24.3	22.5	999.9	99.9	99.9	99.9	296.5	341.8	17.5	95.2	999.9	999.
0.5	7.1	143.3	975.9	23.2	22.4	999.9	999.9	99.9	99.9	298.6	345.5	18.0	95.5	999.9	999.
1.0	9.1	470.5	950.0	21.6	20.9	999.9	999.9	99.9	99.9	299.1	342.8	16.6	95.7	999.9	999.
2.3	13.5	782.4	925.0	20.6	19.9	163.3	19.8	-6.7	18.9	300.4	342.8	16.1	95.9	2.0	333.
3.3	13.0	936.7	950.0	19.5	18.6	164.7	18.6	-4.3	18.1	301.6	341.9	15.2	96.7	3.3	337.
3.8	15.1	1152.7	875.0	17.7	16.7	166.9	17.9	-4.1	17.4	302.1	339.2	13.9	96.2	4.1	339.
4.5	17.1	1410.5	850.0	15.6	14.8	168.1	17.2	-3.6	16.8	302.5	336.3	12.6	96.9	5.0	340.
5.5	19.4	1686.6	825.0	14.3	13.5	172.3	16.8	-2.2	16.4	303.7	336.1	11.9	96.9	5.8	342.
6.1	21.4	1945.2	800.0	13.2	12.4	177.3	16.5	-0.8	16.5	305.2	336.4	11.4	96.9	6.5	343.
7.0	23.6	2211.6	775.0	9.2	-1.7	188.1	17.3	2.4	17.2	303.7	318.8	5.4	53.1	7.2	345.
7.7	25.8	2484.5	750.0	11.4	-27.1	195.3	18.4	4.9	17.7	309.0	311.2	0.7	9.2	8.0	346.
8.6	28.2	2766.1	725.0	9.2	-21.4	203.6	17.2	6.9	15.8	309.5	313.5	1.3	13.1	8.8	351.
9.4	30.8	3056.0	700.0	6.6	4.	206.8	17.6	7.5	15.7	309.8	330.7	7.3	84.8	9.5	354.
10.5	33.1	3355.8	675.0	7.0	6.6	204.2	20.9	8.6	19.1	313.5	339.7	9.1	96.7	10.0	356.
10.8	35.6	3666.3	650.0	5.4	4.9	206.5	22.6	10.1	20.2	315.1	339.4	8.4	96.8	10.6	357.
10.5	38.1	3985.9	625.0	1.9	0.9	210.9	20.8	12.8	15.4	314.6	334.1	6.7	93.5	11.1	359.
11.8	40.6	4315.9	600.0	-3.0	-9.3	232.2	19.6	15.5	12.0	312.6	322.2	3.2	81.7	11.7	3.
12.7	43.3	4657.3	575.0	-5.9	-18.6	233.4	22.0	17.6	13.1	313.1	318.2	1.6	37.8	12.5	7.
13.7	46.1	5014.2	550.0	-7.3	-19.7	234.2	23.7	19.2	13.8	315.4	321.8	2.0	50.8	13.5	11.
14.5	49.1	5385.2	525.0	-10.9	-19.6	234.2	22.3	18.1	13.0	316.5	323.6	2.3	64.3	14.7	16.
15.1	52.3	5770.9	500.0	-12.8	-19.6	235.4	22.7	18.7	12.9	317.5	324.4	2.2	76.9	16.1	19.
17.4	55.0	6172.7	475.0	-15.6	-17.2	239.5	24.4	22.7	13.4	318.7	325.4	2.1	87.5	17.5	23.
18.7	58.6	6592.7	450.0	-18.5	-25.8	250.9	28.1	26.6	9.2	320.0	323.7	1.1	96.5	19.3	27.
20.5	61.4	6931.8	425.0	-19.4	-30.4	261.5	27.2	26.9	4.0	324.1	326.6	0.7	37.0	21.3	24.
21.9	64.9	7432.2	400.0	-19.9	-34.0	263.9	25.3	25.1	2.7	329.1	331.0	0.5	27.8	22.7	28.
23.1	68.3	7877.6	375.0	-23.8	-35.2	269.3	25.5	25.5	0.3	330.2	332.0	0.5	33.7	24.8	41.
24.2	71.8	8377.3	350.0	-27.8	-56.3	277.0	27.2	27.0	-3.3	331.3	331.5	0.1	6.9	25.2	44.
25.5	75.8	8944.9	325.0	-31.7	-71.0	278.4	30.1	29.8	-4.4	331.6	331.6	0.0	1.8	26.4	48.
27.1	79.8	9483.9	300.0	-36.6	-73.6	276.9	33.6	33.6	-4.0	333.6	333.6	0.0	1.9	28.6	53.
29.2	84.6	10099.4	275.0	-41.1	99.9	275.3	35.6	35.4	-3.3	335.8	999.9	99.9	999.9	31.9	56.
32.5	88.4	10723.2	250.0	-44.9	99.9	274.2	34.1	34.0	-2.5	329.4	999.9	99.9	999.9	36.9	63.
34.3	93.4	11405.6	225.0	-49.9	99.9	274.9	35.1	34.6	-5.4	342.0	999.9	99.9	999.9	40.8	67.
36.2	98.6	12157.4	200.0	-57.4	99.9	273.2	39.4	39.4	-2.2	341.5	999.9	99.9	999.9	44.7	70.
38.3	104.3	12967.6	175.0	-64.1	99.9	275.3	40.8	40.4	-3.8	344.1	999.9	99.9	999.9	49.1	72.
40.5	110.8	13915.1	150.0	-71.3	99.9	272.6	43.4	43.4	-2.0	347.3	999.9	99.9	999.9	54.3	74.
43.5	118.5	14978.2	125.0	-77.0	99.9	275.4	42.1	41.5	-6.0	355.6	999.9	99.9	999.9	61.9	77.
47.1	126.7	16228.4	100.0	-78.0	99.9	267.2	22.3	22.2	1.1	392.5	999.9	99.9	999.9	68.7	78.
52.9	136.7	17954.6	75.0	-67.7	99.9	256.8	9.4	9.2	2.1	431.1	999.9	99.9	999.9	73.2	76.
62.8	148.0	20479.2	50.0	-60.2	99.9	215.2	3.7	2.2	3.1	501.5	999.9	99.9	999.9	75.8	78.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235
JACKSON, MISSISSIPPI

3 MAY 1978
1100 GMT

140 42. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.8	100.0	993.6	16.7	15.7	70.0	5.1	-4.8	-1.7	290.4	319.7	11.4	94.0	0.0	0.
95.5	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.4	260.7	975.0	16.9	99.9	999.9	999.9	99.9	99.9	292.2	999.9	99.9	999.9	999.9	999.
0.8	10.4	481.8	950.0	17.6	99.9	999.9	999.9	99.9	99.9	295.1	999.9	99.9	999.9	999.9	999.
1.6	12.6	708.7	925.0	18.0	99.9	999.9	999.9	99.9	99.9	297.8	999.9	99.9	999.9	999.9	999.
2.5	14.7	942.6	900.0	18.2	99.9	999.9	999.9	99.9	99.9	300.2	999.9	99.9	999.9	999.9	999.
3.4	16.9	1182.6	875.0	17.4	99.9	226.8	16.9	12.3	11.5	301.9	999.9	99.9	999.9	1.8	45.
4.1	19.1	1428.7	850.0	16.0	99.9	229.4	17.7	13.4	11.5	302.9	999.9	99.9	999.9	2.7	45.
4.9	21.3	1681.0	825.0	14.7	99.9	239.4	18.0	15.5	9.2	304.2	999.9	99.9	999.9	3.5	47.
5.8	23.6	1939.9	800.0	13.4	99.9	249.5	18.6	17.4	6.5	305.4	999.9	99.9	999.9	4.4	51.
6.8	25.9	2205.5	775.0	11.5	99.9	253.2	20.1	19.2	5.8	306.2	999.9	99.9	999.9	5.3	55.
7.4	28.3	2478.0	750.0	9.8	99.9	250.7	22.6	21.3	7.5	307.2	999.9	99.9	999.9	6.3	58.
8.3	30.6	2758.4	725.0	8.2	99.9	251.4	24.1	22.8	7.7	308.5	999.9	99.9	999.9	7.6	60.
9.4	33.1	3046.6	700.0	6.9	99.9	254.7	25.8	24.9	6.8	310.1	999.9	99.9	999.9	9.2	62.
10.4	35.6	3343.9	675.0	4.3	99.9	254.6	29.0	28.0	7.7	310.4	999.9	99.9	999.9	10.8	64.
11.2	38.1	3649.0	650.0	1.8	99.9	253.2	30.1	28.8	8.7	311.0	999.9	99.9	999.9	12.2	65.
12.1	40.7	3963.0	625.0	-1.5	99.9	249.7	31.3	29.4	10.8	310.7	999.9	99.9	999.9	13.8	66.
12.9	43.3	4286.1	600.0	-4.2	99.9	244.8	34.3	31.0	14.6	311.2	999.9	99.9	999.9	15.4	66.
13.9	46.1	4620.6	575.0	-4.7	99.9	240.8	40.3	35.2	19.7	314.5	999.9	99.9	999.9	17.6	66.
15.0	48.9	4966.5	550.0	-7.3	99.9	236.3	37.5	31.2	20.8	315.4	999.9	99.9	999.9	20.3	65.
16.0	51.7	5330.0	525.0	-8.7	99.9	232.1	32.2	25.4	19.8	318.0	999.9	99.9	999.9	22.3	64.
17.1	54.6	5706.6	500.0	-10.4	99.9	232.8	30.6	24.4	18.5	320.4	999.9	99.9	999.9	24.2	63.
18.4	57.6	6100.3	475.0	-12.0	99.9	236.6	35.3	29.5	19.4	323.2	999.9	99.9	999.9	26.7	62.
19.7	60.6	6511.6	450.0	-14.6	99.9	236.3	32.9	27.4	18.3	324.8	999.9	99.9	999.9	29.7	62.
21.3	63.9	6942.7	425.0	-16.6	99.9	227.1	30.2	22.1	20.6	327.7	999.9	99.9	999.9	32.4	61.
23.0	67.1	7395.6	400.0	-19.6	99.9	216.7	31.4	18.8	25.2	329.5	999.9	99.9	999.9	35.3	59.
24.6	70.5	7871.8	375.0	-23.0	99.9	208.3	29.7	14.1	26.2	331.2	999.9	99.9	999.9	38.0	57.
26.5	74.0	8373.7	350.0	-26.5	99.9	207.7	33.7	15.7	29.8	333.0	999.9	99.9	999.9	39.9	55.
27.1	77.7	8905.1	325.0	-30.8	99.9	209.3	40.0	19.6	34.8	334.3	999.9	99.9	999.9	42.6	54.
28.4	81.6	9467.5	300.0	-35.6	99.9	198.8	35.7	11.5	33.8	335.3	999.9	99.9	999.9	45.2	52.
30.0	85.7	10066.4	275.0	-40.4	99.9	198.4	38.3	12.1	36.3	336.7	999.9	99.9	999.9	48.0	50.
31.4	89.8	10708.4	250.0	-45.9	99.9	198.6	38.1	12.1	36.1	337.8	999.9	99.9	999.9	50.8	48.
33.0	94.3	11400.6	225.0	-52.4	99.9	196.9	38.2	11.1	36.6	338.3	999.9	99.9	999.9	54.2	46.
34.5	99.2	12150.6	200.0	-59.2	99.9	199.5	44.3	14.8	41.8	339.1	999.9	99.9	999.9	57.9	44.
36.8	104.4	12973.5	175.0	-66.4	99.9	205.7	49.0	21.3	44.1	340.3	999.9	99.9	999.9	63.6	42.
38.9	110.0	13892.0	150.0	-72.2	99.9	220.8	54.0	36.6	42.4	345.8	999.9	99.9	999.9	69.2	41.
41.4	116.5	14960.5	125.0	-73.7	99.9	248.9	44.7	41.7	16.0	361.6	999.9	99.9	999.9	77.1	42.
44.9	123.7	16296.9	100.0	-67.4	99.9	269.1	18.9	18.9	0.3	397.6	999.9	99.9	999.9	82.6	45.
50.2	132.0	18047.5	75.0	-63.8	99.9	219.8	12.5	8.0	9.6	439.2	999.9	99.9	999.9	84.1	46.
57.1	141.5	20537.6	50.0	-63.4	99.9	306.4	2.6	2.1	-1.6	484.1	999.9	99.9	999.9	84.8	48.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240
LAKE CHARLES, LOUISIANA

3 MAY 1978
1100 GMT

150 19. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.7	5.0	1001.2	16.1	14.5	350.0	3.1	0.5	-3.1	289.2	312.9	10.4	99.0	0.0	0.
0.0	0.8	.5.2	1000.0	16.1	14.5	251.7	3.0	2.8	0.9	289.2	316.0	10.5	90.4	0.1	48.
0.6	0.0	255.8	975.0	15.1	14.2	340.1	2.6	0.9	-2.4	293.4	320.9	10.6	78.1	0.3	169.
1.0	1.3	455.4	950.0	20.0	16.4	261.6	4.0	3.9	0.8	297.5	330.3	12.5	79.9	0.4	155.
2.3	12.5	655.3	925.0	18.1	17.1	228.8	6.2	4.7	4.1	297.8	333.1	13.4	93.	0.5	129.
3.2	4.9	920.4	900.0	16.5	14.8	218.9	8.6	5.4	6.7	298.6	330.1	11.9	89.3	0.7	81.
4.1	17.2	1160.9	875.0	16.5	12.0	231.2	9.4	7.3	5.9	301.0	328.5	10.2	74.7	1.1	65.
5.0	19.6	1408.8	850.0	17.2	9.4	241.2	10.6	9.3	5.1	304.1	328.4	8.8	60.4	1.7	60.
6.1	22.0	1663.8	825.0	17.5	2.0	232.9	11.4	9.0	7.0	307.1	322.5	5.4	35.3	2.3	62.
7.1	24.5	1925.7	800.0	15.4	6.4	235.4	11.1	9.1	6.3	307.6	321.8	4.9	34.8	3.0	60.
8.0	27.0	2193.7	775.0	13.6	-1.4	237.8	12.8	10.8	6.8	308.4	321.4	4.5	35.3	3.6	59.
9.1	29.6	2469.2	750.0	12.1	-6.7	239.3	14.9	12.8	7.6	309.7	319.8	3.1	26.2	4.5	59.
10.0	32.1	2752.6	725.0	10.6	-5.3	233.2	16.1	12.9	9.7	310.5	321.0	3.6	33.4	5.4	59.
11.0	34.8	3042.3	700.0	7.3	-4.9	224.8	16.0	11.1	11.5	310.6	321.9	3.8	41.7	6.3	58.
12.1	37.4	3340.5	675.0	6.9	-5.8	217.9	18.2	11.2	14.4	311.2	322.2	3.7	45.7	7.4	55.
13.2	40.2	3647.4	650.0	3.1	-6.9	214.6	22.1	12.6	18.2	312.4	323.0	3.5	47.7	8.6	52.
14.3	43.0	3963.9	625.0	0.6	-7.4	211.1	26.1	13.5	22.4	313.1	323.7	3.5	55.0	10.2	49.
15.3	45.9	4289.6	600.0	-1.7	-8.7	209.3	27.4	11.7	24.7	314.1	324.2	3.3	58.9	11.8	46.
16.6	48.8	4627.7	575.0	-4.6	-9.9	209.2	28.5	9.8	26.7	314.7	324.3	3.1	66.3	13.7	43.
17.8	51.8	4977.2	550.0	-6.6	-11.0	199.5	28.8	9.6	27.2	317.8	326.3	3.0	67.5	15.6	40.
19.1	54.9	5340.6	525.0	-7.9	-14.3	201.2	28.2	10.2	26.3	319.6	326.5	2.4	59.7	17.9	37.
20.5	57.9	5718.4	500.0	-10.8	-14.8	202.6	25.7	9.9	23.7	319.8	327.5	2.4	72.3	19.9	36.
22.0	61.1	6111.3	475.0	-12.7	-19.5	208.5	24.4	12.6	23.2	322.2	327.8	1.7	56.8	22.2	34.
23.4	64.4	6521.7	450.0	-15.6	-22.8	211.5	23.2	13.2	21.5	323.6	328.1	1.4	53.9	24.5	34.
24.9	67.8	6950.1	425.0	-19.1	-25.4	213.5	24.5	13.5	20.5	324.5	328.4	1.1	57.2	26.8	34.
26.7	71.4	7398.2	400.0	-22.9	-28.4	216.1	22.6	13.3	18.3	325.3	328.4	0.9	60.5	29.2	34.
28.6	75.1	7867.8	375.0	-26.7	-33.1	216.3	22.9	13.6	18.5	326.2	328.4	0.6	54.5	31.5	34.
30.1	79.0	8361.8	350.0	-30.8	-36.5	221.2	25.0	16.4	18.8	327.2	328.9	0.5	56.9	33.9	34.
31.7	82.9	8884.5	325.0	-35.9	-41.7	230.7	25.6	19.8	16.2	330.0	331.1	0.3	44.7	36.4	35.
33.5	87.0	9439.6	300.0	-39.5	-46.4	229.4	28.1	21.3	18.3	330.4	331.0	0.2	35.7	39.1	36.
35.4	91.5	10035.3	275.0	-44.5	99.9	231.5	32.2	25.2	20.1	330.8	999.9	99.9	999.9	42.4	37.
37.6	96.0	10662.8	250.0	-47.6	99.9	241.4	45.5	40.0	21.8	335.2	999.9	99.9	999.9	47.0	38.
40.0	101.0	11353.3	225.0	-49.6	99.9	237.5	70.9	59.8	38.1	342.5	999.9	99.9	999.9	52.7	43.
42.1	106.3	12118.8	200.0	-53.3	99.9	238.8	59.0*	50.8	30.8	348.4	999.9	99.9	999.9	67.6	45.
45.6	111.8	12966.0	175.0	-60.1	99.9	239.7	31.3*	27.0	15.8	350.8	999.9	99.9	999.9	73.2	47.
48.2	118.0	13909.8	150.0	-67.0	99.9	228.3	50.6*	37.8	33.6	354.7	999.9	99.9	999.9	78.7	47.
50.8	124.8	15003.2	125.0	-71.0	99.9	241.9	38.7*	34.2	18.2	366.4	999.9	99.9	999.9	86.0	47.
54.8	132.0	16321.5	100.0	-71.2	99.9	248.0	22.1*	20.5	8.3	390.1	999.9	99.9	999.9	91.9	48.
60.6	140.0	18034.4	75.0	-67.2	99.9	239.7	13.5*	11.7	6.8	432.8	999.9	99.9	999.9	97.8	48.
67.6	149.0	20543.2	50.0	-61.9	99.9	284.8	18.6	18.2	-2.7	497.7	999.9	99.9	999.9	101.1	58.
78.9	158.3	24694.6	25.0	-49.6	99.9	218.1	5.4	3.3	4.3	642.4	999.9	99.9	999.9	101.1	58.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 247
LONGVIEW, TEXAS

3 MAY 1978
1100 GMT

128 95. 1

ANGLES CN THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	124.0	989.7	9.4	9.4	10.0	5.6	-1.0	-5.5	283.4	302.5	7.5	99.9	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	8.0	248.3	975.0	8.9	7.7	999.9	999.9	99.9	99.9	284.2	301.6	6.8	92.1	999.9	999.
1.5	11.1	663.1	950.0	7.6	6.4	999.9	999.9	99.9	99.9	284.9	301.4	6.4	92.5	999.9	999.
2.4	13.4	683.5	925.0	9.2	7.9	999.9	999.9	99.9	99.9	288.7	307.7	7.3	92.8	999.9	999.
3.4	15.8	913.2	900.0	10.4	3.1	999.9	999.9	99.9	99.9	296.4	311.1	5.4	67.4	999.9	999.
4.4	18.1	1151.6	875.0	15.1	-1.1	999.9	999.9	99.9	99.9	299.4	310.9	4.8	33.0	1.4	190.
5.4	20.5	1396.1	850.0	13.4	-2.3	298.7	6.7	5.8	-3.2	300.2	311.1	3.8	33.7	1.5	179.
6.3	23.0	1646.3	825.0	11.9	-3.8	282.1	5.6	5.4	-1.2	301.1	311.2	3.5	33.1	1.7	166.
7.3	25.5	1903.4	800.0	11.0	-6.0	258.5	5.8	5.7	1.2	302.9	311.8	3.1	29.7	1.8	156.
8.2	27.9	2167.8	775.0	10.4	-12.1	242.9	6.3	5.6	2.9	305.0	310.9	1.9	19.1	1.9	146.
9.2	30.4	2439.8	750.0	9.1	-16.8	250.9	6.8	6.4	2.2	306.4	310.9	1.4	15.8	2.0	132.
10.2	33.0	2719.0	725.0	7.3	-24.6	258.2	8.3	8.1	1.7	307.5	309.8	0.7	8.1	2.3	121.
11.2	35.6	3006.5	700.0	5.8	-26.4	252.5	11.4	10.9	3.4	308.9	311.0	0.6	7.6	2.8	112.
12.2	38.3	3302.4	675.0	3.4	-22.6	244.2	14.9	13.4	6.5	309.5	312.4	0.9	12.7	3.5	102.
13.2	41.0	3607.0	650.0	0.8	-16.4	237.7	17.6	14.9	9.4	309.9	315.0	1.6	26.1	4.4	92.
14.2	43.8	3920.7	625.0	-1.9	-15.7	234.3	19.3	15.7	11.3	310.3	315.9	1.8	34.0	5.5	84.
15.2	46.6	4243.9	600.0	-4.7	-17.1	231.4	20.8	16.3	13.0	310.7	315.9	1.7	37.3	6.8	78.
16.2	49.4	4577.5	575.0	-6.7	-20.9	232.7	20.6	16.4	12.5	312.1	313.8	0.5	12.8	8.2	73.
17.2	52.4	4922.7	550.0	-9.6	-23.5	232.5	21.0	16.6	12.8	312.7	316.2	1.1	31.5	9.7	70.
18.2	55.4	5280.8	525.0	-11.7	-20.4	229.5	19.6	14.9	12.7	314.4	319.0	1.5	49.1	11.6	67.
19.2	58.5	5652.6	500.0	-14.9	-19.7	225.2	23.6	16.7	16.6	314.9	320.0	1.6	66.5	13.5	64.
20.2	61.8	6039.6	475.0	-16.5	-19.9	211.6	31.0	18.2	26.4	317.6	322.9	1.6	74.5	15.8	60.
21.2	65.0	6444.9	450.0	-18.6	-21.3	206.5	35.0	15.6	31.3	319.8	324.9	1.5	79.4	18.5	55.
22.2	68.4	6869.4	425.0	-21.6	-28.0	207.9	37.4	17.5	33.0	321.3	324.3	0.9	56.1	21.6	50.
23.2	71.9	7312.6	400.0	-25.5	-35.0	211.1	37.6	19.4	32.2	321.9	323.6	0.5	40.2	25.1	48.
24.2	75.6	7777.3	375.0	-29.4	-38.7	211.9	40.6	21.5	34.5	322.6	324.2	0.4	49.2	29.3	45.
25.2	79.3	8266.3	350.0	-33.1	-42.2	217.0	44.6	26.8	35.6	324.1	325.0	0.3	39.2	34.0	44.
26.2	83.2	8782.5	325.0	-37.6	-46.9	218.6	40.9	25.5	32.0	324.9	325.5	0.2	36.7	38.6	43.
27.2	87.2	9326.3	300.0	-42.3	99.9	224.1	41.9	29.1	30.1	325.7	999.9	99.9	999.9	43.0	42.
28.2	91.5	9912.3	275.0	-46.3	99.9	231.5	40.1	31.4	24.9	328.2	999.9	99.9	999.9	50.4	43.
29.2	96.0	10536.7	250.0	-51.1	99.9	235.2	46.00	40.2	28.0	330.1	999.9	99.9	999.9	58.3	44.
30.2	100.8	11218.8	225.0	-52.9	99.9	233.8	31.40	25.4	18.6	337.5	999.9	99.9	999.9	63.5	46.
31.2	105.8	11979.1	200.0	-57.7	99.9	215.1	25.80	14.8	21.1	341.5	999.9	99.9	999.9	67.4	46.
32.2	111.0	12804.7	175.0	-60.8	99.9	222.6	40.10	27.2	29.5	349.8	999.9	99.9	999.9	72.8	45.
33.2	117.8	13759.5	150.0	-64.2	99.9	234.8	42.90	35.1	24.7	362.9	999.9	99.9	999.9	78.8	45.
34.2	124.7	14881.7	125.0	-64.7	99.9	236.1	26.80	22.2	14.9	377.8	999.9	99.9	999.9	84.7	46.
35.2	132.3	16246.4	100.0	-65.9	99.9	999.9	99.9	99.9	99.9	400.5	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255
VICTORIA, TEXAS

3 MAY 1978
1100 GMT

154 14. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	5.8	33.0	998.2	13.9	12.8	320.0	10.2	6.6	-7.8	287.2	311.1	9.4	93.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	5.8	2.0.9	975.0	11.9	10.9	334.0	18.7	8.2	-16.8	287.1	308.8	8.5	93.7	0.7	156.
1.5	10.9	448.6	950.0	12.2	11.0	339.2	18.3	6.5	-17.1	289.5	312.2	8.7	92.6	1.6	154.
2.3	15.1	673.7	925.0	14.2	12.6	333.2	14.7	6.4	-12.6	293.8	328.0	10.0	90.6	2.4	154.
3.1	19.8	900.3	900.0	16.9	12.2	305.8	8.2	6.6	4.8	298.9	325.7	10.0	74.1	2.9	154.
3.9	17.5	1146.8	875.0	16.2	9.9	278.5	8.2	8.1	-1.2	300.6	324.6	8.8	66.4	3.1	149.
4.5	14.7	1391.0	850.0	14.3	6.8	272.6	9.2	9.2	-0.4	301.1	324.1	8.4	69.7	3.3	144.
5.3	12.8	1644.8	825.0	12.1	7.8	283.6	9.6	9.6	1.1	301.4	323.6	8.1	75.2	3.6	139.
6.1	14.6	1903.1	800.0	11.8	7.7	246.1	12.6	11.5	5.1	303.8	326.7	8.3	75.6	3.9	132.
6.9	15.6	2169.2	775.0	11.3	6.7	229.8	16.7	12.8	10.8	306.0	328.3	8.0	73.2	4.1	123.
7.5	15.0	2442.8	750.0	9.5	5.2	218.5	17.6	10.9	13.7	306.9	327.9	7.5	74.6	4.3	110.
8.0	11.5	2723.6	725.0	6.9	4.6	210.9	16.5	8.5	14.2	307.1	327.9	7.4	85.3	4.6	103.
8..	14.0	3011.2	700.0	4.4	3.1	204.5	14.9	6.2	13.6	307.2	326.7	6.9	92.1	5.0	91.
10.1	20.4	3307.1	675.0	2.4	1.3	198.9	14.1	4.1	13.4	308.4	326.3	6.3	92.1	5.3	82.
11.5	16.0	3611.2	650.0	0.0	-1.1	194.1	14.5	3.5	14.1	309.0	324.8	5.5	92.2	5.7	73.
12.5	41.6	3925.0	625.0	-2.1	-2.9	194.8	15.1	3.9	14.6	310.1	324.6	5.0	94.2	6.2	66.
13.5	44.2	4249.4	600.0	-4.2	-5.0	197.6	17.5	5.3	16.7	311.2	324.2	4.4	94.1	7.0	59.
15.0	46.9	4584.0	575.0	-5.0	-5.8	201.2	21.8	7.9	20.3	314.1	327.0	4.3	93.9	8.1	53.
16.3	49.8	4933.0	550.0	-6.7	-7.6	202.5	24.9	9.5	23.0	316.1	328.1	3.9	93.7	9.7	47.
17.7	52.8	5295.1	525.0	-8.4	-9.3	205.9	28.4	12.4	25.5	318.3	329.3	3.6	93.1	11.6	43.
19.3	55.6	5673.8	500.0	-10.4	-11.3	211.5	31.6	16.5	26.9	320.5	330.6	3.2	92.7	13.8	41.
20.1	57.6	6067.1	475.0	-13.6	-15.2	218.6	32.4	20.2	25.3	321.1	329.0	2.5	87.5	16.2	40.
21.5	61.6	6479.6	450.0	-17.0	-34.6	231.5	32.9	25.8	20.5	321.9	323.8	0.6	24.6	18.9	40.
22.6	64.9	6922.4	425.0	-19.7	-40.4	239.5	34.2	29.5	17.3	323.8	324.8	0.3	14.2	21.2	42.
24.1	68.3	7356.1	400.0	-22.8	-55.4	239.3	37.3	32.1	19.0	325.4	326.6	0.2	12.3	24.2	45.
25.5	71.7	7822.3	375.0	-26.1	-35.8	241.1	41.8	35.9	19.3	327.1	328.8	0.5	39.3	27.3	46.
26.7	75.3	8315.4	350.0	-30.3	-37.8	240.2	40.5	35.1	20.1	328.0	329.4	0.4	47.2	30.3	48.
28.2	79.0	8837.5	325.0	-34.9	-45.6	237.4	43.6	36.7	23.5	328.6	329.4	0.2	32.4	33.4	49.
29..	83.5	9396.7	300.0	-39.5	-49.0	239.0	45.7	39.1	23.6	329.7	330.3	0.1	35.3	36.8	50.
31.2	87.0	9980.6	275.0	-43.6	99.9	242.4	46.2	43.6	22.7	332.1	999.9	99.9	999.9	41.5	51.
33.5	91.5	10615.5	250.0	-48.2	99.9	245.4	53.9	49.0	22.4	334.5	999.9	99.9	999.9	47.6	53.
35.3	96.8	11302.5	225.0	-52.4	99.9	242..	60.9	54.2	27.8	338.2	999.9	99.9	999.9	55.6	54.
37.5	101.0	12054.4	200.0	-58.1	99.9	245.8	62.5*	57.0	25.6	340.8	999.9	99.9	999.9	64.9	56.
..4	106.4	12887.3	175.0	-62.2	99.9	245.0	61.0*	55.3	25.8	347.3	999.9	99.9	999.9	73.9	57.
43.1	112.3	13834.9	150.0	-65.0	99.9	242.7	56.9*	53.3	27.5	358.1	999.9	99.9	999.9	83.7	58.
46.4	119.8	14951.2	125.0	-65.2	99.9	251.1	40.5*	38.3	13.1	377.8	999.9	99.9	999.9	94.4	56.
50.5	128.3	16316.9	100.0	-62.0	99.9	213.9	15.0*	8.4	12.5	408.0	999.9	99.9	999.9	108.2	59.
56..	136.7	18037.3	75.0	-67.6	99.9	187.6	10.0*	1.3	9.9	431.2	999.9	99.9	999.9	121.7	58.
64.7	144.3	20535.0	50.0	-60.5	99.9	278.1	5.9	5.8	-0.8	501.0	999.0	99.9	999.9	103.9	58.
77.6	154.7	24941.5	25.0	-50.4	99.9	153.9	2.7	-1.2	2.4	640.2	999.9	99.9	999.9	106.8	58.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260
STEPHENVILLE, TEXAS

3 MAY 1978
1100 GMT

150 10. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	[illegible]	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
[illegible]	[illegible]	[illegible]	966.7	9.1	8.0	320.6	0.1	2.6	-3.1	205.5	304.6	7.4	98.9	0.9	0.
[illegible]	[illegible]	[illegible]	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	8.9	7.5	999.9	99.9	99.9	99.9	285.4	303.1	5.9	96.2	999.5	999.
[illegible]	[illegible]	[illegible]	[illegible]	5.1	4.8	999.9	999.9	99.9	99.9	284.7	299.9	5.9	95.6	999.9	999.
[illegible]	[illegible]	[illegible]	[illegible]	4.8	4.2	288.2	7.6	7.2	-2.4	284.4	301.6	5.8	56.7	1.9	124.
[illegible]	[illegible]	[illegible]	[illegible]	5.5	5.0	242.5	4.2	3.5	2.9	289.9	306.9	6.5	46.7	1.3	116.
[illegible]	[illegible]	[illegible]	[illegible]	4.5	4.4	217.4	7.0	4.2	6.2	293.4	312.6	7.2	96.7	1.6	192.
[illegible]	[illegible]	[illegible]	[illegible]	7.5	2.9	217.5	10.5	6.4	8.3	294.6	315.1	7.1	93.1	1.7	65.
[illegible]	[illegible]	[illegible]	[illegible]	7.3	-5.6	221.1	11.9	7.0	9.0	299.8	312.1	4.7	50.5	2.3	72.
[illegible]	[illegible]	[illegible]	[illegible]	6.5	-14.5	218.3	11.7	7.3	9.2	302.5	304.8	1.4	16.2	2.9	64.
[illegible]	[illegible]	[illegible]	[illegible]	4.5	-17.4	254.5	6.7	4.7	4.4	303.1	307.1	1.3	16.7	3.6	59.
[illegible]	[illegible]	[illegible]	[illegible]	4.4	-17.5	258.9	4.1	3.6	7.1	303.2	307.2	1.3	19.1	4.1	55.
[illegible]	[illegible]	[illegible]	[illegible]	4.1	-17.2	214.6	7.6	4.7	5.5	305.7	309.0	1.4	20.1	4.5	52.
[illegible]	[illegible]	[illegible]	[illegible]	-1.5	-17.2	233.4	7.6	6.3	3.5	304.9	355.5	1.5	28.9	5.1	52.
[illegible]	[illegible]	[illegible]	[illegible]	-4.4	-17.4	236.2	4.7	4.2	2.8	302.5	306.5	1.5	36.5	5.7	53.
[illegible]	[illegible]	[illegible]	[illegible]	-7.1	-16.8	203.2	9.1	5.1	4.1	304.3	315.7	2.1	56.7	6.3	55.
[illegible]	[illegible]	[illegible]	[illegible]	-4.4	-17.6	221.8	12.9	7.5	9.6	304.5	313.1	2.4	72.9	7.0	55.
[illegible]	[illegible]	[illegible]	[illegible]	-11.5	-11.5	214.6	14.5	9.2	13.7	307.7	314.9	2.8	92.3	7.8	53.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	216.7	22.6	13.1	17.7	309.5	317.5	2.6	55.0	9.2	50.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-13.4	[illegible]	24.1	17.8	21.7	314.2	315.1	1.4	69.4	11.4	46.
[illegible]	[illegible]	[illegible]	[illegible]	-16.1	-41.9	210.4	[illegible]	21.8	27.5	311.5	312.9	5.4	30.2	13.7	44.
[illegible]	[illegible]	[illegible]	[illegible]	-25.6	-41.4	219.3	[illegible]	22.1	31.3	312.5	312.6	0.9	1.4	14.6	43.
[illegible]	[illegible]	[illegible]	[illegible]	-22.8	-44.5	218.2	34.7	28.1	35.7	314.6	314.7	0.9	1.9	14.5	41.
[illegible]	[illegible]	[illegible]	[illegible]	-26.4	-44.9	210.4	[illegible]	19.9	28.5	315.5	315.9	0.5	.6	22.5	42.
[illegible]	[illegible]	[illegible]	[illegible]	-36.1	-45.4	216.4	36.5	24.4	27.7	315.4	315.6	0.9	1.8	25.6	41.
[illegible]	[illegible]	[illegible]	[illegible]	-36.2	-46.5	255.9	31.7	16.9	24.8	316.9	316.5	5.0	3.2	28.9	40.
[illegible]	[illegible]	[illegible]	[illegible]	-36.6	-76.4	256.4	37.6	13.6	30.1	317.6	317.6	5.9	1.0	32.9	36.
[illegible]	[illegible]	[illegible]	[illegible]	-42.6	[illegible]	192.3	35.6	7.6	30.8	318.3	999.9	99.9	999.9	36.6	36.
[illegible]	[illegible]	[illegible]	[illegible]	-44.8	99.9	196.1	32.3	6.9	31.9	319.6	999.9	99.5	999.9	40.2	34.
[illegible]	[illegible]	[illegible]	[illegible]	-46.8	99.9	258.9	34.2	17.5	31.9	323.6	999.9	99.5	999.9	44.1	33.
[illegible]	[illegible]	[illegible]	[illegible]	-55.1	99.9	211.6	41.8	22.1	34.5	331.7	999.9	99.9	999.9	49.6	33.
[illegible]	[illegible]	[illegible]	[illegible]	-55.9	99.9	214.4	33.7	13.1	27.4	345.4	999.9	99.9	999.9	54.6	32.
[illegible]	[illegible]	[illegible]	[illegible]	-56.6	99.9	217.0	34.0	22.1	26.9	340.3	999.5	99.9	999.9	55.4	33.
[illegible]	[illegible]	[illegible]	[illegible]	-51.2	99.9	228.1	31.7	25.1	22.5	344.3	999.9	99.9	999.5	66.7	34.
[illegible]	[illegible]	[illegible]	[illegible]	-55.7	99.9	235.0	20.8	21.8	15.1	370.1	999.9	99.9	999.9	72.2	35.
[illegible]	[illegible]	[illegible]	[illegible]	-57.3	99.9	230.9	16.8	12.1	15.4	391.2	999.9	99.9	999.9	76.9	37.
[illegible]	[illegible]	[illegible]	[illegible]	-59.1	99.9	232.3	19.5	12.3	6.5	413.6	999.9	99.9	999.9	80.5	37.
[illegible]	[illegible]	[illegible]	75.6	-62.0	99.9	204.6	8.2	3.3	7.4	441.3	999.9	99.9	999.9	84.3	38.
[illegible]	[illegible]	[illegible]	[illegible]	-59.1	99.9	281.2	7.3	7.1	-1.4	500.2	999.9	99.9	999.9	84.6	39.
[illegible]	[illegible]	[illegible]	45.6	-60.7	99.9	264.1	6.7	6.7	5.7	644.7	999.9	99.5	999.9	89.8	39.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261
DEL RIO, TEXAS

3 MAY 1978
1100 GMT

156 10. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.1	314.0	971.4	11.7	7.0	320.0	5.2	3.3	-4.0	287.2	304.2	6.5	73.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.7	10.0	500.7	950.0	11.6	5.6	999.9	999.9	99.9	99.9	289.0	304.9	6.0	66.6	999.9	999.
1.5	12.3	723.1	925.0	9.4	5.1	999.9	999.9	99.9	99.9	289.0	304.7	6.0	74.3	999.9	999.
2.1	14.6	949.7	900.0	7.2	4.1	326.4	13.1	7.2	-10.9	288.9	304.1	5.7	80.7	1.2	153.
2.9	16.9	1181.4	875.0	6.4	3.9	316.2	13.2	9.2	-9.5	290.5	305.9	5.8	84.0	1.8	149.
3.8	19.3	1419.2	850.0	5.7	2.9	301.8	15.9	13.5	-8.4	292.2	307.1	5.6	82.0	2.6	145.
4.7	21.7	1664.7	825.0	7.2	0.6	290.9	17.9	16.8	-6.4	296.2	309.6	4.8	62.6	3.4	136.
5.5	24.1	1918.9	800.0	9.5	-7.1	290.1	19.7	18.5	-6.8	301.3	309.5	2.8	30.0	4.3	130.
6.4	26.6	2181.6	775.0	8.4	-8.6	278.2	20.7	20.5	-3.0	302.9	310.5	2.6	28.9	5.3	125.
7.3	29.1	2451.6	750.0	7.0	-7.8	268.2	19.9	19.9	0.6	304.2	312.6	2.8	33.9	6.3	120.
8.2	31.7	2729.1	725.0	4.3	-8.4	261.5	17.8	17.6	2.6	304.2	312.5	2.8	38.6	7.1	115.
9.2	34.3	3013.6	700.0	1.9	-7.9	252.6	15.7	15.0	4.7	304.6	313.4	3.0	48.2	7.9	111.
10.2	37.0	3305.7	675.0	-0.9	-7.7	248.0	16.1	14.9	6.0	304.7	314.0	3.2	59.7	8.6	107.
11.2	39.7	3606.3	650.0	-3.1	-9.0	247.1	16.6	15.3	6.4	305.5	314.3	3.0	63.3	9.4	103.
12.0	42.4	3915.2	625.0	-6.3	-9.6	248.3	16.8	15.7	6.2	305.3	314.0	3.0	77.4	10.1	100.
13.1	45.3	4233.1	600.0	-9.3	-10.4	245.0	17.4	15.8	7.4	305.4	313.9	2.9	91.5	11.0	97.
14.2	48.2	4561.1	575.0	-11.7	-13.1	239.6	22.8	19.6	11.5	306.3	313.6	2.4	90.0	12.1	94.
15.3	51.2	4901.8	550.0	-12.1	-34.9	237.1	26.7	22.4	14.5	309.8	311.0	0.4	13.0	13.5	89.
16.6	54.3	5255.7	525.0	-15.2	-37.2	239.2	27.9	24.0	14.3	310.1	311.2	0.3	13.1	15.4	85.
17.9	57.4	5622.3	500.0	-18.1	-40.3	240.4	27.9	24.3	13.8	311.0	311.8	0.2	12.1	17.4	82.
19.2	60.6	6003.1	475.0	-21.3	-41.4	242.3	28.7	25.4	13.3	311.6	312.4	0.2	14.3	19.5	80.
20.5	63.9	6399.6	450.0	-24.9	-48.0	244.9	31.6	28.6	13.4	313.2	313.6	0.1	8.6	21.7	78.
21.9	67.3	6814.2	425.0	-27.2	-51.2	245.4	34.1	31.0	14.2	314.1	314.4	0.1	8.1	24.4	77.
23.3	70.9	7247.3	400.0	-31.3	-50.7	245.2	33.0	29.9	13.8	314.3	314.6	0.1	12.6	27.2	75.
24.8	74.6	7701.4	375.0	-34.3	-50.8	245.8	34.9	31.9	14.3	316.2	316.6	0.1	16.8	30.2	74.
26.4	78.4	8180.5	350.0	-37.9	-49.1	248.8	37.4	34.8	13.5	317.7	318.2	0.1	29.4	33.6	74.
28.1	82.5	8687.6	325.0	-41.3	99.9	249.5	42.9	40.2	15.0	319.7	999.9	99.9	999.9	37.6	73.
29.8	86.7	9228.6	300.0	-43.3	99.9	245.7	46.6	42.5	19.2	324.4	999.9	99.9	999.9	42.2	73.
31.7	91.0	9812.4	275.0	-45.7	99.9	245.9	59.8	54.5	24.4	329.0	999.9	99.9	999.9	48.0	72.
33.6	95.6	10442.6	250.0	-49.1	99.9	250.0	63.0*	59.2	21.6	333.1	999.9	99.9	999.9	56.6	71.
36.0	100.2	11130.1	225.0	-51.4	99.9	252.1	58.8*	55.9	18.1	339.7	999.9	99.9	999.9	64.4	71.
38.8	105.5	11892.9	200.0	-52.0	99.9	254.7	49.9*	48.1	13.2	350.5	999.9	99.9	999.9	73.1	72.
41.5	111.3	12756.4	175.0	-53.7	99.9	245.4	44.0*	40.1	18.3	361.3	999.9	99.9	999.9	81.8	71.
44.7	117.3	13739.8	150.0	-56.7	99.9	247.3	43.1*	39.8	16.6	372.5	999.9	99.9	999.9	89.3	71.
48.1	124.3	14889.4	125.0	-60.5	99.9	260.1	31.6*	31.3	5.4	385.5	999.9	99.9	999.9	96.7	71.
52.0	131.7	16264.8	100.0	-66.0	99.9	228.4	17.2*	12.9	11.4	400.3	999.9	99.9	999.9	101.4	71.
57.0	139.7	18025.1	75.0	-66.9	99.9	254.4	7.2*	6.9	1.9	432.6	999.9	99.9	999.9	105.0	71.
64.4	148.7	20522.8	50.0	-60.2	99.9	285.8	4.3	4.1	-1.2	501.6	999.9	99.9	999.9	105.6	71.
75.5	157.7	24561.4	25.0	-50.3	99.9	228.4	4.4	3.3	3.0	640.5	999.9	99.9	999.9	106.8	71.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265
MIDLAND, TEXAS

JANUARY 1978
1120 GMT

195 7. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	14.4	873.0	909.9	4.4	1.8	270.0	3.6	3.6	0.0	285.2	297.6	4.7	82.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	15.4	962.4	900.0	4.5	1.8	999.9	99.9	99.9	99.9	286.2	299.1	4.9	82.6	999.9	999.
1.3	17.6	1191.6	875.0	2.9	1.1	999.9	999.9	99.9	99.9	286.8	299.4	4.7	88.0	999.9	999.
2.1	20.0	1425.7	850.0	1.2	-1.0	999.9	999.9	99.9	99.9	287.4	298.6	4.2	85.3	0.6	135.
3.0	22.3	1660.2	825.0	0.9	-2.5	307.1	14.1	11.3	-8.5	289.5	300.0	3.9	78.4	1.4	133.
4.0	24.7	1895.9	800.0	-0.8	-3.2	298.0	15.9	14.0	-7.5	290.3	300.6	3.8	84.1	2.2	126.
5.0	27.1	2132.6	775.0	-1.1	-2.0	286.3	18.6	17.9	-5.2	292.6	304.3	4.3	94.1	3.3	123.
6.0	29.6	2370.3	750.0	-1.3	-2.9	287.1	17.2	16.5	-5.1	295.2	306.6	4.1	89.1	4.3	118.
7.0	32.2	2608.4	725.0	-2.5	-5.7	291.6	18.3	17.0	-6.7	296.7	306.5	3.5	78.6	5.3	117.
8.0	34.8	2847.6	700.0	-3.8	-7.6	291.4	16.9	15.7	-6.2	298.2	307.1	3.1	75.1	6.4	116.
9.0	37.3	3088.3	675.0	-5.5	-10.1	289.9	16.2	15.2	-5.5	299.5	307.1	2.6	70.0	7.3	115.
10.0	40.1	3330.1	650.0	-8.2	-11.5	290.0	15.5	14.5	-5.3	299.8	306.9	2.4	76.7	8.3	115.
11.0	42.8	3573.4	625.0	-10.7	-14.8	286.5	12.4	11.9	-3.5	300.2	306.0	2.0	72.3	9.3	114.
12.4	46.6	4175.6	600.0	-11.0	-23.5	273.0	10.7	10.7	-0.6	303.4	306.4	1.0	35.2	10.1	113.
13.7	48.5	4501.6	575.0	-12.6	-25.9	270.4	12.2	12.2	-0.1	305.0	307.5	0.8	32.4	10.9	111.
15.0	51.4	4830.7	550.0	-15.9	-27.4	272.7	13.7	13.7	-0.6	305.2	307.6	0.7	37.2	11.9	110.
16.3	54.4	5162.3	525.0	-18.7	-26.7	274.5	14.8	14.8	-1.2	305.9	308.5	0.8	49.1	12.9	108.
17.6	57.5	5496.1	500.0	-21.7	-33.8	275.7	15.7	15.6	-1.6	306.6	308.0	0.4	32.6	14.1	107.
19.1	60.7	5924.9	475.0	-24.4	-38.2	273.9	15.6	15.5	-1.1	307.7	308.7	0.3	26.3	15.5	106.
20.6	64.0	6316.3	450.0	-27.5	-48.0	268.1	15.1	15.1	0.5	308.6	309.0	0.1	12.8	16.8	105.
22.3	67.6	6725.0	425.0	-30.7	-52.5	261.5	15.0	14.8	2.2	309.7	309.9	0.1	9.6	18.3	103.
24.1	70.9	7152.1	400.0	-34.3	-64.8	260.9	15.0	14.8	2.6	310.4	310.5	0.0	2.8	19.8	101.
26.1	74.5	7596.5	375.0	-38.7	-62.0	264.9	15.0	15.0	1.3	310.4	310.5	0.0	6.5	21.5	100.
28.1	78.3	8066.3	350.0	-42.9	99.9	275.8	14.1	14.0	-1.4	310.8	999.9	99.9	999.9	23.2	99.
30.1	82.2	8564.6	325.0	-46.3	99.9	274.3	13.5	13.5	-1.0	312.8	999.9	99.9	999.9	24.8	97.
32.7	86.3	9096.4	300.0	-44.6	99.9	260.5	18.9	18.6	3.1	322.5	999.9	99.9	999.9	27.2	98.
35.2	90.7	9661.7	275.0	-43.0	99.9	264.7	18.8	18.0	1.7	332.9	999.9	99.9	999.9	30.1	96.
37.6	95.2	10320.3	250.0	-45.6	99.9	267.5	16.5	16.5	0.7	338.3	999.9	99.9	999.9	32.6	96.
41.1	100.2	11020.8	225.0	-45.6	99.9	258.1	19.1	18.7	4.0	348.7	999.9	99.9	999.9	36.1	94.
44.6	105.4	11802.6	200.0	-48.0	99.9	264.1	18.3	18.2	1.9	356.7	999.9	99.9	999.9	40.1	93.
48.7	111.0	12681.2	175.0	-49.3	99.9	263.9	16.3	16.2	1.7	368.5	999.9	99.9	999.9	44.2	92.
53.1	117.3	13679.7	150.0	-54.1	99.9	262.2	17.8	17.6	2.4	377.0	999.9	99.9	999.9	48.4	91.
57.6	124.0	14940.5	125.0	-56.3	99.9	260.8	17.3	17.1	2.8	383.0	999.9	99.9	999.9	54.1	90.
62.7	131.7	16250.7	100.0	-52.5	99.9	241.1	16.0	14.0	7.7	412.9	999.9	99.9	999.9	58.4	89.
70.4	140.7	17063.7	75.0	-61.3	99.9	290.2	5.7	5.3	-2.0	444.4	999.9	99.9	999.9	62.5	88.
80.0	150.5	20569.5	50.0	-61.5	99.9	287.3	3.8	3.7	-1.1	498.7	999.9	99.9	999.9	62.6	89.
95.4	161.0	25021.5	25.0	-49.6	99.9	251.0	5.2	4.9	1.7	642.1	999.9	99.9	999.9	64.1	90.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327
NASHVILLE, TENNESSEE

3 MAY 1978
1100 GMT

168 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	160.0	990.0	7.3	3.2	80.0	4.2	-4.1	-0.7	281.3	293.8	4.7	75.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	9.0	306.2	975.0	9.3	2.0	999.9	999.9	99.9	99.9	284.5	296.4	4.5	60.4	999.9	999.
1.5	11.5	521.9	950.0	9.6	1.1	999.9	999.9	99.9	99.9	286.9	298.6	4.1	55.4	999.9	999.
2.5	13.9	743.3	925.0	9.6	0.3	97.0	12.9	-12.8	1.6	289.2	300.6	4.2	52.0	1.9	269.
3.3	16.3	970.4	900.0	8.4	-0.5	100.7	12.2	-12.0	2.3	290.1	301.3	4.1	53.6	2.5	272.
4.3	18.9	1202.7	875.0	7.1	-1.0	102.5	8.7	-8.5	1.9	291.2	302.3	4.1	56.3	3.1	274.
5.3	21.4	1440.8	850.0	6.6	-5.7	94.7	6.7	-6.7	0.5	293.0	301.6	3.0	42.9	3.5	275.
6.2	24.0	1686.3	825.0	8.0	-12.1	118.4	3.8	-3.4	1.8	297.1	302.4	1.8	22.8	3.9	275.
7.4	26.7	1940.9	800.0	9.0	-13.3	183.6	2.9	0.2	2.9	300.7	305.8	1.7	19.1	3.9	277.
8.4	29.3	2203.0	775.0	8.2	-13.2	222.5	4.2	2.8	3.1	302.6	308.0	1.8	20.3	3.9	279.
9.4	32.0	2473.4	750.0	7.6	-8.9	240.9	5.9	5.2	2.9	304.9	312.6	2.6	29.7	3.7	283.
10.5	34.8	2751.9	725.0	5.8	-7.7	252.3	6.1	5.8	1.8	305.9	314.6	3.0	37.2	3.3	287.
11.5	37.6	3038.2	700.0	4.2	-11.6	263.7	6.5	6.5	0.7	307.2	314.0	2.2	30.5	3.0	290.
12.7	40.4	3333.2	675.0	2.6	-11.9	264.8	7.8	7.7	0.7	308.6	315.5	2.3	33.5	2.5	296.
13.8	43.3	3637.3	650.0	0.3	-12.8	266.5	7.3	7.3	0.4	309.3	316.1	2.2	36.6	2.1	303.
15.0	46.3	3950.5	625.0	-1.8	-16.1	278.3	7.1	7.0	-1.0	310.5	315.9	1.7	32.5	1.7	311.
16.3	49.3	4274.0	600.0	-3.9	-17.8	278.4	9.1	9.0	-1.3	311.6	316.6	1.6	33.0	1.2	325.
17.-	52.4	4609.1	575.0	-5.8	-18.4	277.0	12.7	12.6	-1.5	313.3	318.2	1.6	35.9	1.0	6.
18.9	55.5	4955.6	550.0	-9.2	-16.5	286.1	13.8	13.3	-3.8	313.2	319.2	1.9	55.2	1.4	59.
20.1	58.8	5313.7	525.0	-11.9	-17.2	283.2	15.6	15.2	-3.6	314.1	320.0	1.9	64.7	2.4	62.
21.6	62.1	5685.3	500.0	-14.7	-20.2	276.6	18.7	18.6	-2.2	315.2	320.1	1.5	62.4	3.7	68.
23.1	65.4	6072.2	475.0	-16.6	-23.4	271.7	20.8	20.8	-0.6	317.5	321.4	1.2	55.4	5.5	90.
24.6	69.0	6476.9	450.0	-19.0	-27.5	271.7	21.9	21.9	-0.6	319.3	322.3	0.9	47.0	7.4	90.
26.2	72.6	6900.9	425.0	-21.4	-31.6	274.0	22.3	22.3	-1.6	321.6	323.8	0.6	38.9	9.7	91.
28.0	76.3	7345.4	400.0	-24.5	-35.5	271.2	20.0	20.0	-0.4	323.2	324.8	0.5	34.9	11.9	91.
30.0	80.1	7811.9	375.0	-28.3	-39.0	266.7	19.5	19.5	1.1	324.1	325.4	0.3	34.6	14.1	91.
32.0	84.0	8302.5	350.0	-32.6	-42.1	265.6	20.4	20.4	1.6	324.8	325.8	0.3	37.7	16.6	90.
34.4	88.2	8820.5	325.0	-37.0	-45.4	270.1	19.0	19.0	-0.0	325.7	326.5	0.2	40.8	19.4	90.
36.6	92.5	9369.5	300.0	-41.5	99.9	270.3	20.1	20.1	-0.1	326.9	999.9	99.9	999.9	22.0	90.
39.1	97.0	9954.9	275.0	-45.5	99.9	274.4	25.7	25.6	-2.0	329.3	999.9	99.9	999.9	25.2	90.
41.5	101.8	10583.1	250.0	-50.9	99.9	269.7	32.7	32.7	0.2	330.4	999.9	99.9	999.9	29.4	91.
43.5	106.6	11259.4	225.0	-57.0	99.9	264.2	38.9	38.7	4.0	331.2	999.9	99.9	999.9	33.8	90.
45.9	111.8	11993.8	200.0	-63.4	99.9	260.9	50.1	49.5	7.9	332.4	999.9	99.9	999.9	39.9	89.
48.1	117.5	12810.7	175.0	-68.2	99.9	265.1	51.1	50.9	4.3	345.7	999.9	99.9	999.9	50.7	87.
52.4	123.8	13759.7	150.0	-66.1	99.9	274.3	30.5	30.3	-3.3	356.3	999.9	99.9	999.9	58.2	88.
56.8	130.8	14842.5	125.0	-69.9	99.9	276.4	28.3	28.1	-3.1	368.5	999.9	99.9	999.9	65.8	88.
62.1	138.3	16158.8	100.0	-66.3	99.9	299.8	17.2	14.9	-8.6	399.7	999.9	99.9	999.9	72.7	90.
69.6	147.0	17973.8	75.0	-60.8	99.9	281.0	12.4	12.1	-2.4	445.8	999.9	99.9	999.9	78.1	92.
79.9	156.0	20492.3	50.0	-60.6	99.9	256.5	7.1	6.9	1.7	500.7	999.9	99.9	999.9	84.6	92.
96.9	166.0	24938.9	25.0	-48.0	99.9	999.9	999.9	99.9	99.9	646.8	999.9	99.9	999.9	84.7	93.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 348
LITTLE ROCK, ARKANSAS

3 MAY 1978
2100 GMT

150 12. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.0	172.0	986.6	7.0	6.7	40.0	6.7	-4.3	-5.1	282.0	298.1	6.3	93.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	0.0	266.6	975.1	7.2	6.8	999.9	99.9	99.9	99.9	282.4	297.8	6.8	92.8	999.9	999.
1.1	11.1	483.1	950.0	6.3	5.4	999.9	999.9	99.9	99.9	283.5	298.8	5.9	94.0	999.9	999.
2.0	13.0	702.2	925.0	6.1	5.1	999.9	999.9	99.9	99.9	285.6	301.1	6.0	92.8	2.1	240.
2.9	13.0	927.5	900.0	7.0	5.7	101.9	16.4	-16.0	3.4	288.7	305.6	6.4	91.6	2.9	248.
3.8	17.5	1159.0	875.0	7.5	6.8	123.5	16.9	-14.1	9.3	292.0	310.8	7.1	92.9	3.6	258.
4.5	20.3	1403.2	850.0	10.2	9.5	148.4	16.8	-8.8	14.3	296.9	320.4	8.8	95.2	4.2	269.
5.0	22.8	1645.8	825.0	10.8	10.0	160.8	14.5	-2.8	14.2	300.0	325.5	9.4	94.6	4.5	280.
5.6	25.6	1926.8	800.0	10.0	8.3	186.1	11.8	1.3	11.7	301.8	325.5	8.6	89.1	4.8	289.
7.0	27.5	2179.6	775.0	8.2	4.8	197.7	11.7	3.5	11.1	302.7	322.8	7.8	78.9	4.9	297.
8.0	29.9	2441.1	750.0	6.5	2.9	214.1	12.3	5.9	10.1	303.6	321.3	6.3	77.7	5.0	306.
9.0	32.4	2704.4	725.0	5.3	1.2	232.4	13.6	10.8	8.3	305.3	321.7	5.8	75.1	5.0	316.
11.0	35.8	3055.6	700.0	4.5	-2.8	256.5	16.3	15.3	5.4	307.5	320.5	4.5	58.8	4.7	328.
12.1	37.7	3262.4	675.0	4.6	-6.7	264.1	18.9	18.8	1.9	310.2	320.4	3.4	45.4	4.5	342.
13.0	40.3	3513.3	650.0	2.0	-10.9	272.3	20.4	20.4	-0.8	311.2	319.6	2.8	40.7	4.2	1.
14.0	42.1	3722.5	625.0	-0.1	-23.0	270.2	21.3	21.3	-0.1	312.3	315.9	1.1	18.6	4.5	21.
15.0	45.6	4209.8	600.0	-0.4	-50.2	261.4	22.2	21.9	3.3	315.7	315.9	0.1	1.8	5.5	39.
17.1	48.7	4588.1	575.0	-3.3	-52.6	253.5	23.2	22.3	6.6	316.2	316.4	0.1	1.8	6.8	47.
18.4	51.6	4937.5	550.0	-6.1	-53.8	251.1	25.2	23.9	8.2	316.8	317.0	0.0	1.8	8.4	52.
19.7	54.8	5297.5	525.0	-9.1	-55.7	246.5	29.7	27.3	11.9	317.5	317.6	0.0	1.8	10.6	56.
21.2	57.6	5675.2	500.0	-11.3	-30.2	237.4	33.2	28.1	17.7	319.3	321.4	0.6	19.6	13.4	57.
22.6	61.0	6066.8	475.0	-14.1	-23.8	231.3	35.0	23.4	18.7	320.6	324.4	1.2	43.4	16.1	57.
24.1	64.0	6474.3	450.0	-17.9	-23.1	223.8	25.6	17.5	18.7	320.7	325.1	1.3	63.6	18.5	55.
25.6	67.3	6901.5	425.0	-19.2	-19.6	212.1	25.6	13.6	21.7	324.3	330.5	1.9	97.1	20.7	54.
27.5	71.9	7364.6	400.0	-21.2	-25.0	254.5	27.6	11.4	25.1	327.5	331.8	1.3	71.3	23.3	56.
29.2	74.3	7822.8	375.0	-45.1	-32.5	259.7	30.0	13.5	26.8	328.3	330.7	0.7	50.1	26.1	47.
30.9	77.8	8316.9	350.0	-29.9	-41.5	258.1	32.8	15.5	29.0	328.5	329.5	0.3	30.9	29.0	45.
32.4	82.0	8842.5	325.0	-34.0	-40.4	203.0	33.6	13.2	31.9	329.8	331.1	0.3	52.9	31.9	44.
34.2	85.0	9402.2	300.0	-37.2	-42.8	191.8	30.3	5.8	29.7	332.9	334.8	0.3	55.5	34.9	41.
35.9	90.2	9999.6	275.0	-42.2	99.9	182.4	36.9	1.3	36.9	334.1	999.9	99.9	999.9	37.6	38.
37.5	94.7	10632.4	250.0	-46.6	99.9	185.0	38.6	-0.0	38.6	336.7	999.9	99.9	999.9	40.4	35.
40.0	99.4	11311.1	225.0	-50.3	99.9	186.2	32.7	0.1	32.7	335.3	999.9	99.9	999.9	43.7	32.
42.5	104.4	12038.8	200.0	-60.5	99.9	179.6	37.6	-0.3	37.6	337.8	999.9	99.9	999.9	48.3	29.
45.2	109.8	12821.1	175.0	-66.4	99.9	187.6	48.4	6.4	48.0	340.4	999.9	99.9	999.9	54.3	25.
47.8	115.8	13667.2	150.0	-69.0	99.9	215.3	43.6	25.2	35.6	351.2	999.9	99.9	999.9	61.8	25.
51.8	122.3	14612.2	125.0	-63.2	99.9	238.8	26.4	22.6	13.7	380.5	999.9	99.9	999.9	69.3	28.
56.7	129.3	15 296.7	100.0	-63.2	99.9	253.3	17.4	16.3	5.8	405.6	999.9	99.9	999.9	74.7	30.
62.6	137.3	16052.6	75.0	-61.8	99.9	289.4	18.3	9.7	-3.4	443.5	999.9	99.9	999.9	76.3	33.
71.3	146.2	17171.1	50.0	-59.1	99.9	301.2	9.3	4.6	-2.8	504.2	999.9	99.9	999.9	76.5	36.
80.2	155.5	25020.2	25.0	-51.1	99.9	999.9	999.9	99.9	99.9	638.1	999.9	99.9	999.9	77.4	37.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340
MONETT, MISSOURI

3 MAY 1978
1218 GMT

195 17. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	10.0	438.0	956.7	4.9	3.9	90.0	8.7	-8.7	0.0	281.4	295.2	5.3	93.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	11.2	495.6	950.0	5.7	3.4	93.4	14.2	-14.2	0.8	283.0	296.4	5.2	84.8	0.3	270.
1.0	13.6	713.2	925.0	3.8	2.8	95.6	17.2	-17.2	1.7	283.2	296.3	5.1	93.4	0.8	270.
1.8	16.1	935.9	900.0	4.2	3.4	98.7	19.9	-19.7	3.0	285.9	300.2	5.4	93.9	1.7	277.
2.7	18.5	1165.1	875.0	3.5	1.6	98.2	18.7	-18.5	2.7	286.9	300.2	5.0	92.4	2.8	277.
3.8	21.0	1406.9	850.0	6.4	6.3	101.5	17.3	-16.9	3.4	292.8	311.6	7.1	99.5	3.7	278.
4.5	23.6	1646.2	825.0	5.9	5.2	109.0	16.3	-15.5	5.3	294.9	313.0	6.7	94.8	4.6	279.
5.3	26.1	1898.5	800.0	6.0	4.5	119.4	15.8	-13.8	7.8	297.4	315.0	6.4	86.6	5.6	281.
6.1	28.4	2.55.0	775.0	5.4	2.8	130.4	15.6	-11.9	10.1	299.6	316.3	6.1	83.4	6.0	284.
7.3	31.4	2606.8	750.0	3.9	2.4	140.3	14.9	-9.5	11.4	300.8	317.7	6.1	90.3	6.9	289.
8.2	34.1	2.52.0	725.0	2.3	1.2	145.3	14.6	-7.5	12.6	302.0	318.2	5.8	92.9	7.7	292.
9.2	36.6	2595.3	700.0	3.9	3.6	151.8	13.9	-6.3	13.2	303.5	319.6	5.7	97.3	8.3	295.
10.3	39.7	3177.2	675.0	-1.6	-1.6	175.4	13.2	-1.1	13.2	304.8	319.9	5.3	98.5	8.8	301.
11.2	42.6	3378.6	650.0	-2.5	-2.7	199.2	11.7	2.1	11.5	306.2	320.1	4.9	98.6	9.2	310.
12.0	45.4	3.59.2	625.0	-4.5	-7.3	209.7	11.5	5.7	10.0	307.3	317.7	3.6	81.2	9.4	329.
12.5	48.0	4215.1	600.0	-5.8	-16.5	218.3	13.1	8.1	10.3	309.5	314.9	1.8	42.4	9.5	318.
12.8	50.5	4462.7	575.0	-7.1	-26.8	209.1	12.1	5.9	10.6	311.7	314.3	0.8	23.4	9.7	1.0.
13.1	53.5	4.68.6	550.0	-8.1	-44.4	219.6	11.0	7.0	8.5	314.4	315.1	0.2	4.6	10.0	9.0.
13.5	57.7	5167.2	525.0	-11.0	-34.9	229.3	12.9	9.2	8.4	315.2	315.3	0.0	1.0	10.1	3.0.
13.7	60.9	5.19.7	500.0	-14.4	-32.1	227.9	15.3	11.3	10.2	315.4	315.5	0.0	1.0	10.4	4.0.
14.0	64.3	6.56.3	475.0	-17.3	-65.9	216.4	18.7	11.1	15.1	316.6	316.7	0.0	1.0	10.8	360.
21.3	67.6	6439.7	450.0	-19.8	-62.5	256.5	25.0	12.3	21.7	318.3	318.4	0.0	1.0	11.9	0.0.
22.2	71.0	6681.1	425.0	-22.8	-64.5	268.9	30.6	14.4	27.1	319.7	319.8	0.0	1.0	13.5	0.0.
23.5	74.7	7173.4	400.0	-25.6	-65.6	199.7	34.9	12.5	34.7	322.5	322.5	0.0	1.0	16.4	0.0.
25.2	78.5	7740.8	375.0	-27.6	-49.4	186.6	34.3	4.2	34.1	325.0	325.5	0.1	11.1	19.3	1.
26.5	82.3	8223.4	350.0	-30.8	-34.4	177.7	33.9	-1.4	33.9	327.2	329.3	0.6	71.1	22.1	1.
27.1	86.5	8755.7	325.0	-35.1	-42.4	177.6	32.9	-1.6	32.9	328.4	329.4	0.3	46.5	23.7	1.
27.6	90.7	9256.0	300.0	-38.6	-41.5	166.8	27.4	-6.3	26.7	330.4	331.2	0.2	49.4	28.4	9.0.
31.8	95.2	9806.5	275.0	-43.9	99.9	199.7	28.3	-6.8	26.6	331.7	999.9	99.9	999.9	31.7	9.0.
33.6	99.8	10332.8	250.0	-48.1	99.9	157.2	32.5	-12.6	30.9	333.1	999.9	99.9	999.9	36.3	9.0.
35.6	104.6	11215.6	225.0	-54.4	99.9	162.7	34.8	-11.6	32.3	335.2	999.9	99.9	999.9	38.2	9.0.
37.8	109.6	11955.6	200.0	-59.6	99.9	158.5	51.6	-18.3	50.5	336.4	999.9	99.9	999.9	44.2	9.0.
40.8	115.6	12785.7	175.0	-65.8	99.9	182.7	44.3	2.1	44.2	342.8	999.9	99.9	999.9	56.9	9.0.
42.5	121.5	13731.6	150.0	-61.7	99.9	200.9	23.4	11.3	20.5	343.8	999.9	99.9	999.9	55.5	9.0.
43.8	128.3	14864.8	125.0	-66.8	99.9	234.0	16.5	13.4	9.7	346.4	999.9	99.9	999.9	57.7	9.0.
45.4	135.3	16262.3	100.0	-63.1	99.9	255.2	16.4	15.8	4.2	411.5	999.9	99.9	999.9	59.3	1.
56.4	143.3	18551.0	75.0	-66.6	99.9	276.2	5.9	4.8	-1.1	447.1	999.9	99.9	999.9	56.7	9.
60.8	152.6	20576.1	50.0	-58.7	99.9	270.1	6.4	6.4	-0.0	565.2	999.9	99.9	999.9	59.3	7.
71.0	161.6	25032.3	25.0	-68.1	99.9	194.8	9.2	2.2	8.9	646.3	999.9	99.9	999.9	59.6	7.

* EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** EY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OKLAHOMA CITY, OKLAHOMA

3 MAY 1978 157 15. 1
1100 GMT

ANGLES CA THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.9	392.0	961.4	6.1	3.9	40.0	3.6	-2.3	-2.8	282.4	296.1	5.3	86.0	0.0	0.
55.5	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
59.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.9	469.7	950.0	5.1	4.2	999.9	99.9	99.9	99.9	282.3	296.4	5.5	94.3	999.9	999.
1.2	13.4	707.1	925.0	3.4	3.0	999.9	999.9	99.9	99.9	282.8	296.2	5.1	96.9	999.9	999.
2.0	15.8	929.1	900.0	2.0	1.8	999.9	999.9	99.9	99.9	283.6	296.1	4.8	96.8	0.7	239.
3.0	18.3	1156.6	875.0	1.2	0.9	107.6	6.7	-6.4	2.0	285.1	297.4	4.7	97.4	1.1	251.
3.7	20.8	1390.0	850.0	1.5	1.1	147.0	4.4	-2.4	3.7	287.7	300.7	4.9	97.4	1.3	261.
4.7	23.4	1631.2	825.0	2.0	1.7	208.2	2.0	0.9	1.8	290.8	304.8	5.3	97.4	1.2	267.
5.6	26.0	1880.2	800.0	2.6	2.3	131.0	1.7	-1.3	1.1	294.0	309.3	5.7	97.6	1.2	268.
6.5	28.6	2137.2	775.0	1.8	1.4	133.2	4.1	-3.0	2.8	295.8	310.8	5.5	97.2	1.4	272.
7.5	31.2	2401.9	750.0	1.3	0.9	161.1	5.6	-1.8	5.3	298.0	313.1	5.5	97.4	1.6	281.
8.4	34.0	2674.3	725.0	-0.6	-1.0	176.1	6.0	-0.4	6.0	298.8	312.5	4.9	97.3	1.7	292.
9.4	36.8	2954.4	700.0	-2.2	-2.6	186.2	6.7	0.7	6.7	300.0	312.8	4.5	97.2	1.9	303.
10.4	39.6	3242.7	675.0	-3.1	-26.4	207.0	9.5	4.3	8.5	302.2	304.6	0.8	17.5	2.0	315.
11.5	42.4	3542.0	650.0	-3.1	-51.9	220.8	13.2	8.6	10.0	305.5	305.7	0.0	1.0	2.3	334.
12.5	45.4	3851.3	625.0	-4.8	-49.7	227.5	16.6	12.2	11.2	306.9	307.2	0.1	1.6	2.8	355.
13.6	48.4	4170.8	600.0	-6.9	-44.9	229.5	19.0	14.4	12.4	308.1	308.5	0.1	3.0	3.7	11.
14.6	51.5	4501.3	575.0	-9.4	-41.5	229.3	20.8	15.8	13.6	309.0	309.6	0.2	5.2	4.9	22.
15.6	54.6	4843.1	550.0	-11.9	-43.9	228.7	21.1	15.8	13.9	310.0	310.5	0.1	5.0	6.5	29.
16.3	57.9	5197.2	525.0	-14.6	-59.2	226.8	19.3	14.1	13.2	310.9	311.0	0.0	1.0	8.2	33.
17.8	61.1	5564.6	500.0	-17.7	-61.1	225.4	18.2	12.9	12.8	311.5	311.6	0.0	1.0	9.5	35.
19.1	64.6	5945.8	475.0	-21.1	-57.0	225.2	18.7	13.3	13.2	311.9	312.0	0.0	2.3	11.0	36.
20.4	68.0	6341.7	450.0	-25.0	-63.2	224.0	20.0	13.9	14.4	311.8	311.9	0.0	1.5	12.7	37.
21.5	71.6	6754.5	425.0	-28.6	-56.3	225.2	22.2	15.7	15.6	312.4	312.6	0.0	5.1	14.6	38.
23.5	75.3	7185.4	400.0	-32.4	-51.3	225.0	25.7	18.2	18.1	312.9	313.2	0.1	13.2	16.8	39.
25.0	79.2	7636.8	375.0	-36.2	-59.0	222.8	27.8	18.9	20.4	313.7	313.8	0.0	7.4	19.3	40.
26.6	83.2	8111.7	350.0	-40.4	99.9	220.0	25.6	16.5	19.6	314.3	999.9	99.9	999.9	22.2	40.
28.4	87.3	8612.6	325.0	-45.3	99.9	207.6	25.3	11.7	22.4	317.0	999.9	99.9	999.9	25.2	40.
30.2	91.7	9147.5	300.0	-47.2	99.9	189.3	25.0	4.1	24.7	318.9	999.9	99.9	999.9	27.6	38.
32.1	96.2	9722.3	275.0	-45.7	99.9	182.8	22.9	1.1	22.9	329.0	999.9	99.9	999.9	30.2	35.
34.1	101.0	10346.6	250.0	-47.3	99.9	176.7	19.1	-1.1	19.1	335.8	999.9	99.9	999.9	32.6	32.
36.5	106.0	11048.1	225.0	-50.6	99.9	168.3	19.2	-3.9	18.8	341.0	999.9	99.9	999.9	34.7	29.
39.0	111.3	11810.4	200.0	-53.5	99.9	170.7	20.7	-3.4	20.4	348.1	999.9	99.9	999.9	37.5	25.
41.8	117.0	12662.3	175.0	-56.7	99.9	182.7	17.7	0.8	17.7	356.6	999.9	99.9	999.9	40.4	23.
45.0	123.3	13642.0	150.0	-56.5	99.9	209.0	16.8	8.1	14.7	372.7	999.9	99.9	999.9	44.4	22.
48.7	130.0	14796.7	125.0	-56.7	99.9	224.6	17.8	12.5	12.7	392.4	999.9	99.9	999.9	48.8	24.
53.4	137.0	16205.8	100.0	-58.4	99.9	238.1	16.2	13.8	8.6	415.0	999.9	99.9	999.9	53.7	26.
58.4	145.0	17996.6	75.0	-60.7	99.9	265.8	8.7	8.7	0.6	445.7	999.9	99.9	999.9	57.2	29.
64.6	153.3	20513.9	50.0	-61.1	99.9	317.9	4.4	2.9	-3.3	499.5	999.9	99.9	999.9	57.9	31.
72.8	161.7	24661.5	25.0	-49.2	99.9	183.2	2.6	0.1	2.6	643.8	999.9	99.9	999.9	57.5	33.
85.7	161.7	24661.5	25.0	-49.2	99.9	183.2	2.6	0.1	2.6	643.8	999.9	99.9	999.9	57.5	33.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363
AMARILLO, TEXAS

3 MAY 1978
1100 GMT

1400 18. 0

TIME MIN	CATCT	HEIG GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	17.0	1064.0	884.3	1.0	1.0	10.0	5.2	-0.9	-5.1	284.0	2[illegible]	[illegible].7	[illegible]	[illegible].0	0.
99.9	[illegible]	99.9	10 .0	99.9	[illegible]	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	[illegible]	[illegible]
99.9	[illegible]	[illegible]	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	17.8	1176.0	875.0	[illegible]	-0.2	7.5	8.5	-1.1	-8.5	283.9	295.2	4.3	99.9	8.2	218.
1.1	20.1	1410.6	850.0	1.3	-1.3	15.8	8.6	-2.3	-8.3	284.8	295.7	4.1	99.7	8.6	188.
1.9	22.4	1646.7	825.0	-2.3	-2.4	28.9	7.6	-3.7	-6.7	286.2	296.6	3.9	99.6	1.0	195.
2.9	24.7	1883.1	800.0	-3.[illegible]	-3.4	32.0	6.0	-3.2	-5.1	287.6	297.6	3.7	99.4	1.4	196.
3.7	27.1	2143.5	775.0	-4.4	-4.5	40.2	5.0	-3.2	-3.8	289.1	298.7	3.5	99.2	1.6	202.
4.7	29.6	2401.8	750.0	-6.0	-6.2	24.2	3.8	-1.6	-3.5	290.0	298.9	2.2	99.8	1.9	204.
5.6	32.1	2667.3	725.0	-6.2	-6.3	3.9	7.0	-0.5	-7.0	292.7	301.8	3.3	99.0	2.1	202.
6.7	34.6	2944.2	700.0	-4.0	-4.1	352.5	5.6	0.7	-5.6	298.1	309.4	4.0	99.3	2.6	198.
7.6	37.1	3231.6	675.0	-4.0	-4.2	316.4	4.7	3.2	-3.4	301.1	313.0	4.2	99.0	2.7	195.
8.6	39.8	3529.1	650.0	-5.7	-5.9	311.5	4.9	3.7	-3.3	302.6	313.5	3.8	97.9	2.9	190.
9.7	42.4	3835.8	625.0	-8.0	-9.2	290.3	3.9	3.7	-1.4	303.4	312.3	3.1	90.9	3.0	185.
10.8	45.1	4152.2	600.0	-10.0	-12.0	297.8	4.1	3.6	-1.9	304.6	312.1	2.5	85.2	3.1	180.
12.0	47.9	4479.3	575.0	-12.5	-15.9	291.7	4.2	3.9	-1.5	305.4	311.2	1.9	75.6	3.2	175.
13.1	50.8	4817.8	550.0	-14.7	-15.6	276.7	3.8	3.8	-0.4	306.7	312.9	2.1	93.0	3.3	171.
14.[illegible]	[illegible].7	5168.8	525.0	-17.2	-17.9	259.6	4.1	4.0	0.7	307.8	313.2	1.8	94.1	3.4	166.
15.[illegible]	[illegible].7	5532.8	500.0	-20.0	-23.3	206.0	3.8	1.8	3.4	308.7	312.3	1.2	74.8	3.3	162.
16.[illegible]	59.8	5911.3	475.0	-22.8	-25.3	152.9	3.4	-1.5	3.0	309.8	313.1	1.0	79.9	3.0	160.
18.[illegible]	63.0	6305.5	450.0	-25.9	-26.9	101.4	4.1	-4.0	0.8	310.6	313.7	0.9	91.9	2.8	164.
19.[illegible]	66.3	6717.2	425.0	-29.1	-33.0	78.5	6.1	-5.9	-1.2	311.7	313.6	0.6	69.8	2.8	172.
21.[illegible]	69.6	7148.0	400.0	-32.4	-38.5	73.4	10.4	-10.0	-3.0	312.9	314.0	0.3	54.3	2.9	186.
22.[illegible]	73.1	7599.3	375.0	-35.7	-40.7	57.0	16.8	-14.1	-9.2	314.3	315.3	0.3	60.0	3.5	200.
23.[illegible]	76.7	8073.1	350.0	-37.2	-41.7	45.1	25.0	-17.7	-17.7	318.6	319.6	0.3	62.5	5.2	210.
25.[illegible]	80.5	8566.6	325.0	-44.5	99.9	41.9	27.4	-18.3	-20.4	320.9	999.9	99.9	999.9	8.0	214.
27.[illegible]	84.5	9128.1	300.0	-43.8	99.9	50.8	25.2	-22.6	-18.5	323.7	999.9	99.9	999.9	10.8	217.
29.1	88.7	9706.1	275.0	-49.2	99.9	55.3	31.3	-25.7	-17.8	324.1	999.9	99.9	999.9	14.1	221.
31.0	93.0	10324.0	250.0	-53.2	99.9	57.8	21.8	-18.5	-11.6	327.0	999.9	99.9	999.9	17.3	224.
33.2	97.7	11003.7	225.0	-52.4	99.9	82.3	12.6	-12.4	-1.7	338.3	999.9	99.9	999.9	19.3	226.
35.5	102.8	11769.5	200.0	-51.0	99.9	172.5	5.1	-0.7	5.1	352.0	999.9	99.9	999.9	19.9	229.
38.7	108.0	12634.5	175.0	-51.6	99.9	237.7	6.9	5.8	3.7	364.7	999.9	99.9	999.9	19.1	229.
41.6	113.8	13628.4	150.0	-53.3	99.9	259.9	9.6	9.5	1.7	378.3	999.9	99.9	999.9	17.6	228.
45.[illegible]	120.3	14795.8	125.0	-56.1	99.9	265.9	10.2	10.2	0.7	393.4	999.9	99.9	999.9	15.9	222.
49.9	127.5	16201.9	100.0	-59.2	99.9	254.4	9.6	9.3	2.6	413.4	999.9	99.9	999.9	13.8	217.
55.2	135.3	17969.7	75.0	-62.2	99.9	263.9	7.9	7.8	0.8	442.6	999.9	99.9	999.9	11.8	208.
63.0	144.3	20502.8	50.0	-58.1	99.9	296.3	4.3	3.9	-1.9	506.6	999.9	99.9	999.9	10.7	196.
74.4	155.7	24657.7	25.0	-52.9	99.9	269.2	6.1	6.1	0.1	632.9	999.9	99.9	999.9	11.4	189.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL PAGE IS
OF POOR QUALITY

STATION NO. 429
DAYTON, OHIO

3 MAY 1978
1100 GMT

163 17. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	V PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.7	258.0	983.6	6.0	-5.3	180.0	0.0	0.0	0.0	280.7	287.8	2.6	44.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.5	999.9	999.
0.2	9.2	345.2	975.0	7.8	-4.5	999.9	99.9	99.5	99.9	283.0	290.6	2.8	41.4	999.9	999.
0.5	11.7	560.0	950.0	8.7	-7.8	999.9	999.9	99.9	99.9	286.8	292.2	2.2	30.4	999.9	999.
1.7	14.3	779.6	925.0	6.6	-9.4	995.9	999.9	99.9	99.9	286.1	291.7	2.0	33.7	999.9	999.
2.4	15.8	1023.8	900.0	5.1	-9.8	995.9	999.9	99.9	99.9	286.7	292.4	2.0	33.0	999.9	999.
3.1	15.4	1252.5	875.0	3.1	-10.2	57.3	2.2	-2.2	0.3	287.0	292.7	2.0	36.8	0.5	286.
4.0	22.1	1496.8	850.0	0.5	-11.2	73.8	1.9	-1.8	-0.5	286.7	292.0	1.9	40.9	0.6	279.
4.5	24.7	1765.2	825.0	-1.3	-14.8	44.9	3.1	-2.2	-2.2	287.3	291.5	1.5	35.1	0.7	273.
5.8	27.4	1999.7	800.0	-0.9	-25.9	31.3	5.6	-2.5	-4.8	290.2	292.0	0.6	12.9	0.9	259.
6.6	33.1	2263.5	775.0	-1.9	-28.8	34.9	6.2	-3.6	-5.1	291.6	293.2	0.5	10.6	1.1	246.
7.6	33.6	2464.5	750.0	-1.5	-27.4	33.6	5.8	-3.2	-4.9	295.0	296.7	0.5	11.7	1.4	240.
8.5	35.8	2734.8	725.0	-0.7	-22.0	13.6	6.4	-1.5	-6.2	298.7	301.4	0.9	18.1	1.7	234.
9.5	39.7	3004.5	700.0	-1.3	-20.6	347.3	8.3	1.8	-8.1	301.1	304.3	1.1	21.6	1.9	224.
10.5	41.6	3293.9	675.0	-1.9	-21.9	336.8	11.0	4.3	-10.1	303.5	306.6	1.0	19.9	2.3	210.
11.6	44.6	3633.3	650.0	-3.5	-24.3	336.7	13.0	6.3	-11.3	305.0	307.6	0.8	14.0	2.8	197.
12.6	47.7	3912.6	625.0	-4.4	-27.6	328.2	15.5	8.1	-13.1	307.4	305.5	0.6	14.3	3.4	186.
13.7	50.8	4232.6	600.0	-6.9	-27.5	327.4	17.4	9.4	-14.7	308.2	310.3	0.7	17.5	4.3	177.
14.9	54.5	4552.5	575.0	-9.8	-26.8	324.3	18.3	10.7	-14.9	308.5	310.9	0.7	23.5	5.5	170.
16.5	57.1	4924.0	550.0	-12.1	-30.6	319.8	19.8	12.8	-15.1	309.7	311.5	0.5	19.6	6.6	165.
17.2	62.5	5287.3	525.0	-14.9	-34.2	318.4	20.4	13.6	-15.3	310.5	311.8	0.4	17.5	7.9	160.
18.4	63.9	5625.5	500.0	-10.6	-37.0	313.3	21.1	15.3	-14.5	312.8	313.9	0.3	15.1	9.3	157.
19.5	67.4	6009.3	475.0	-19.3	-39.9	307.1	22.6	18.0	-13.6	314.1	314.9	0.2	14.0	11.0	152.
21.3	71.0	6450.8	450.0	-22.3	-41.7	303.6	24.6	20.5	-13.6	315.3	316.0	0.2	15.1	12.9	148.
22.8	74.7	6905.8	425.0	-26.0	-43.8	305.9	25.1	21.6	-12.9	315.7	316.4	0.2	16.8	14.9	146.
24.3	78.6	7262.4	400.0	-28.4	-45.6	302.7	27.2	22.9	-14.7	318.1	316.7	0.2	16.8	17.1	141.
25.8	82.5	7721.5	375.0	-32.2	-49.2	303.7	28.7	23.9	-15.9	319.0	319.4	0.1	16.4	19.6	139.
27.5	86.7	8234.6	350.0	-36.4	-52.3	299.2	31.2	27.2	-15.2	319.7	320.1	0.1	17.3	22.4	137.
29.2	90.8	8713.2	325.0	-39.0	-54.0	300.3	37.6	32.5	-19.8	322.9	323.2	0.1	18.4	25.8	134.
31.1	95.4	9261.8	300.0	-42.0	99.9	304.8	50.5	41.4	-28.9	326.2	999.9	99.9	999.9	30.6	133.
33.0	100.0	9845.0	275.0	-46.3	99.9	298.1	57.4	50.4	-27.1	328.2	999.9	99.9	999.9	36.7	131.
35.4	105.0	10473.7	250.0	-49.6	99.9	293.3	62.5	57.4	-24.7	332.4	999.9	99.9	999.9	44.6	128.
37.3	110.2	11155.2	225.0	-55.2	99.9	287.4	59.0	52.4	-27.1	334.0	999.9	99.9	999.9	51.9	126.
39.8	115.8	11854.8	200.0	-62.7	99.9	296.6	55.8	49.9	-25.0	333.5	999.9	99.9	999.9	60.5	125.
42.7	121.6	12779.6	175.0	-67.1	99.9	290.9	56.3*	52.6	-20.0	339.2	999.9	99.9	999.9	70.3	123.
45.6	125.0	13654.5	150.0	-61.7	99.9	295.4	44.9*	40.6	-19.2	363.8	999.9	99.9	999.9	78.6	122.
49.5	130.8	14700.0	125.0	-61.2	99.9	297.5	30.1*	26.7	-13.9	384.2	999.9	99.9	999.9	87.6	121.
54.3	142.3	16176.0	100.0	-59.6	99.9	230.4	16.3*	12.5	10.4	412.6	999.9	99.9	999.9	93.8	121.
60.3	153.3	17575.3	75.0	-56.6	99.9	279.2	14.5*	14.4	-2.3	448.0	999.9	99.9	999.9	98.4	121.
68.0	156.7	20541.0	50.0	-55.5	99.9	283.9	14.7	6.0	13.4	512.8	999.9	99.9	999.9	100.7	121.
80.7	167.3	25034.5	25.0	-51.8	99.9	326.3	2.8	1.5	-2.3	638.5	999.9	99.9	999.9	100.2	120.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433
SALEM, ILLINOIS

3 MAY 1978
1100 GMT

1682 11. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.3	7.4	175.8	993.4	3.9	-3.4	70.0	4.2	-3.9	-1.4	277.6	285.4	3.0	59.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.5	8.7	328.2	975.0	7.8	-4.3	105.7	10.1	-9.7	2.7	283.0	290.7	2.9	42.1	0.1	278.
1.3	10.6	543.1	950.0	8.9	-4.6	110.0	10.5	-9.9	3.6	286.3	294.1	2.9	38.0	1.0	280.
2.2	12.8	763.0	925.0	7.0	-5.9	104.4	8.8	-8.6	2.2	286.5	293.8	2.7	39.2	1.5	283.
3.3	14.6	987.5	900.0	5.5	-5.8	108.1	6.9	-6.5	2.1	287.1	294.7	2.8	44.2	1.9	282.
3.9	16.6	1217.7	875.0	4.8	-4.8	123.1	5.1	-4.2	2.8	288.8	297.7	3.2	52.6	2.2	284.
4.8	18.7	1453.6	850.0	4.1	-26.5	108.6	6.1	-5.7	1.9	290.5	292.3	0.6	10.3	2.4	286.
5.7	20.8	1696.0	825.0	3.7	-35.1	90.9	8.5	-8.5	0.1	292.5	293.3	0.2	3.8	2.8	285.
6.6	22.9	1945.5	800.0	4.3	-35.1	84.5	8.7	-8.7	-0.8	295.7	296.5	0.2	3.7	3.3	282.
7.5	25.2	2204.7	775.0	5.5	-24.8	84.0	8.5	-8.5	-0.9	299.7	301.8	0.7	9.2	3.7	280.
8.4	27.5	2471.7	750.0	3.7	-16.3	83.2	7.7	-7.6	-0.9	300.6	304.3	1.2	18.1	4.2	278.
9.5	29.7	2746.1	725.0	2.4	-21.6	84.3	6.1	-6.1	-0.6	302.1	305.0	0.9	14.9	4.6	277.
10.5	32.1	3029.2	700.0	1.8	-27.1	87.3	5.0	-5.0	-0.2	304.5	306.4	0.6	9.5	4.9	276.
11.7	34.6	3322.0	675.0	0.9	-28.9	89.4	4.5	-4.5	-0.0	306.7	308.4	0.5	8.6	5.3	276.
12.6	37.1	3623.8	650.0	-1.3	-31.1	88.7	4.1	-4.1	-0.1	307.5	309.0	0.4	8.1	5.5	275.
14.0	39.5	3935.7	625.0	-2.7	-34.9	94.3	2.7	-2.7	0.2	309.4	310.5	0.3	6.2	5.8	275.
15.2	42.2	4258.2	600.0	-4.3	-35.0	140.0	1.0	-0.7	0.8	311.2	312.3	0.3	7.0	5.9	275.
16.3	44.9	4592.0	575.0	-6.6	-36.4	241.1	2.7	2.3	1.3	312.2	313.2	0.3	7.2	5.8	276.
17.5	47.8	4937.6	550.0	-8.9	-34.0	258.4	5.4	5.3	1.1	313.5	314.9	0.4	11.1	5.6	277.
18.6	50.6	5295.3	525.0	-11.1	-34.4	263.3	7.5	7.4	0.9	315.0	316.4	0.4	12.5	5.1	278.
19.6	53.6	5669.3	500.0	-13.3	-36.2	268.8	9.9	9.9	0.2	316.8	317.8	0.3	10.2	4.6	279.
21.2	56.8	6057.4	475.0	-16.0	-39.4	259.6	13.4	13.2	2.4	318.1	319.1	0.3	11.3	3.6	283.
22.6	60.0	6462.3	450.0	-19.1	-42.2	252.6	15.3	14.6	4.6	319.2	319.9	0.2	10.8	2.5	297.
24.3	63.4	6886.4	425.0	-21.9	-33.6	243.4	18.8	16.8	8.4	320.9	322.7	0.5	34.7	2.0	338.
25.5	66.9	7328.8	400.0	-24.5	-38.2	252.0	17.0	16.1	5.2	323.1	324.3	0.3	26.6	2.7	20.
27.4	70.6	7790.7	375.0	-28.2	-42.5	265.9	12.9	12.9	0.9	324.3	325.2	0.2	23.9	3.6	38.
29.0	74.5	8266.4	350.0	-32.6	-45.2	278.2	11.7	11.6	-1.7	324.7	325.4	0.2	27.0	4.3	58.
30.6	78.5	8803.2	325.0	-37.7	-48.4	285.8	13.4	12.9	-3.7	324.7	325.3	0.1	31.3	5.2	61.
33.0	82.8	9351.5	300.0	-40.7	99.9	282.6	21.1	20.6	-4.6	328.0	999.9	99.9	999.9	6.9	75.
35.0	87.4	9938.5	275.0	-44.8	99.9	284.3	34.4	34.2	3.4	330.4	999.9	99.9	999.9	8.9	81.
36.9	92.2	10562.9	250.0	-50.4	99.9	285.1	38.8	37.5	10.0	331.2	999.9	99.9	999.9	12.6	80.
38.9	97.4	11246.9	225.0	-56.4	99.9	285.3	46.6	42.3	19.4	332.1	999.9	99.9	999.9	18.4	77.
41.2	103.0	11985.1	200.0	-61.6	99.9	284.2	54.4	47.2	27.0	335.2	999.9	99.9	999.9	25.1	73.
44.2	109.3	12809.6	175.0	-66.1	99.9	283.2	47.7	45.6	13.8	340.9	999.9	99.9	999.9	35.0	70.
46.8	116.0	13742.2	150.0	-66.7	99.9	274.2	28.5	28.4	-2.1	355.2	999.9	99.9	999.9	40.2	72.
50.5	123.7	14862.2	125.0	-60.3	99.9	275.7	20.3	20.2	-2.0	385.8	999.9	99.9	999.9	46.3	75.
55.4	132.0	16244.6	100.0	-62.0	99.9	272.8	15.9	15.8	-0.8	408.0	999.9	99.9	999.9	50.0	77.
61.3	141.5	18027.5	75.0	-63.0	99.9	280.5	12.1	11.9	-2.2	440.8	999.9	99.9	999.9	54.6	78.
66.1	151.7	20547.3	50.0	-58.7	99.9	317.4	6.9	4.7	-5.1	505.2	999.9	99.9	999.9	58.4	81.
81.5	162.3	25018.8	25.0	-49.8	99.9	999.9	999.9	99.9	99.9	641.8	999.9	99.9	999.9	59.0	82.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
+ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451
DODGE CITY, KANSAS

3 MAY 1978
1115 GMT

167 11. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.5	791.0	920.4	2.8	1.3	40.0	3.6	-2.3	-2.8	282.6	294.5	4.6	90.8	0.0	0.
55.5	99.9	55.5	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	5.5	-3.1	-4.5	281.3	292.2	4.2	99.8	0.2	229.
99.9	99.9	99.9	900.0	-0.2	-0.3	35.1	8.4	-6.9	-4.8	283.5	294.7	4.3	99.8	0.6	226.
0.6	15.3	971.2	875.0	-0.3	-0.3	55.1	9.9	-9.0	-4.2	285.0	296.0	4.1	99.6	1.1	234.
1.6	17.5	1157.1	850.0	-1.1	-1.2	64.7	10.7	-9.7	-4.6	286.6	297.3	4.0	99.5	1.7	238.
2.6	19.7	1429.1	825.0	-1.9	-2.0	64.7	12.0	-11.0	-5.0	287.4	297.4	3.7	99.2	2.4	240.
3.6	22.1	1667.1	800.0	-3.5	-3.6	65.6	12.7	-12.4	-2.8	289.9	300.2	3.8	99.2	3.2	243.
4.6	24.4	1911.5	775.0	-3.6	-3.7	77.5	12.7	-14.2	-2.3	293.4	304.7	4.1	99.3	4.0	247.
5.6	26.8	2162.5	750.0	-2.9	-3.0	80.9	14.4	-11.5	-3.1	296.5	308.5	4.3	99.4	4.8	249.
6.7	29.3	2422.3	725.0	-2.7	-2.8	74.7	11.9	-10.6	-4.0	299.2	311.4	4.4	99.3	5.5	249.
7.7	31.7	2691.5	700.0	-3.0	-3.1	69.5	11.3	-13.6	-3.8	301.0	312.7	4.1	99.1	6.4	249.
8.8	34.2	2969.9	675.0	-4.2	-4.3	74.3	14.1	-13.6	-3.0	302.5	313.5	3.8	98.8	7.3	250.
9.9	36.8	3257.8	650.0	-5.7	-5.9	77.5	13.9	-13.6	-2.6	303.9	313.8	3.4	98.5	8.2	251.
11.0	39.4	3555.2	625.0	-7.5	-7.7	79.3	13.9	-13.6	-2.2	305.6	314.8	3.1	98.3	9.2	252.
12.1	42.1	3862.1	600.0	-9.1	-9.3	81.1	14.4	-14.2	-1.3	306.8	315.1	2.8	97.9	10.1	253.
13.2	44.8	4179.7	575.0	-11.2	-11.5	83.9	12.7	-12.6	-1.4	308.1	315.3	2.4	96.5	10.9	254.
14.3	47.6	4508.2	550.0	-13.5	-13.9	83.8	13.0	-12.9	-2.1	310.3	317.0	2.2	96.3	11.9	255.
15.4	50.4	4848.3	525.0	-15.1	-15.5	81.5	14.2	-14.1	-1.2	313.9	320.6	2.1	95.0	13.0	255.
16.5	53.4	5201.2	500.0	-15.7	-16.3	85.8	15.6	-15.6	-0.8	315.2	320.8	1.8	94.2	14.3	257.
17.6	56.4	5570.6	475.0	-18.4	-19.1	87.3	17.0	-17.0	-1.9	316.8	321.5	1.5	92.0	15.0	257.
18.7	59.5	5961.8	450.0	-21.0	-22.0	83.4	16.5	-16.3	-3.3	318.2	322.0	1.1	89.1	17.0	258.
19.9	62.6	6357.6	425.0	-24.0	-25.3	79.0	17.4	-17.1	-3.8	320.2	323.3	0.9	85.9	18.4	258.
20.9	66.0	6777.6	400.0	-28.7	-28.4	77.2	17.3	-16.8	-3.2	321.2	323.5	0.7	83.1	20.0	258.
22.1	69.4	7218.2	375.0	-30.5	-32.4	80.5	19.3	-19.0	-2.4	322.8	324.5	0.5	80.0	21.8	258.
23.3	72.9	7660.7	350.0	-34.1	-36.3	83.3	20.3	-20.1	-1.6	323.5	324.6	0.3	76.5	23.7	259.
24.5	76.6	8167.5	325.0	-38.6	-41.1	85.6	20.4	-20.3	0.4	324.4	999.9	99.9	999.9	25.8	259.
25.4	80.4	8681.9	300.0	-43.2	99.9	91.2	19.1	-19.1	2.5	325.6	999.9	99.9	999.9	27.7	260.
26.6	84.5	9226.8	275.0	-48.1	99.9	96.7	21.9	-21.8	5.6	326.3	999.9	99.9	999.9	29.9	262.
27.8	88.7	9806.7	250.0	-53.6	99.9	107.8	18.5	-17.6	9.7	328.4	999.9	99.9	999.9	31.6	264.
29.3	93.2	10427.1	225.0	-58.8	99.9	113.6	24.2	-22.2	18.9	335.6	999.9	99.9	999.9	35.0	268.
30.4	98.0	11095.5	200.0	-61.3	99.9	130.0	29.4	-22.5	12.1	348.6	999.9	99.9	999.9	37.4	271.
32.5	103.0	11830.5	175.0	-61.4	99.9	155.9	13.3	-5.4	4.2	374.1	999.9	99.9	999.9	37.2	273.
33.8	108.6	12655.8	150.0	-55.7	99.9	231.8	6.9	5.4	2.4	389.8	999.9	99.9	999.9	35.5	274.
42.9	114.8	13622.8	125.0	-55.9	99.9	246.4	8.1	5.6	3.9	410.9	999.9	99.9	999.9	34.5	275.
46.6	121.3	14785.6	100.0	-60.5	99.9	233.8	6.6	5.3	1.7	443.5	999.9	99.9	999.9	31.8	277.
51.1	128.7	16189.0	75.0	-61.8	99.9	258.6	8.7	8.5	-3.0	502.4	999.9	99.9	999.9	29.3	278.
56.5	136.7	17982.1	50.0	-56.9	99.9	311.2	4.5	3.4	99.9	629.8	999.9	99.9	999.9	28.6	277.
63.6	145.3	20502.7	25.0	-54.0	99.9	999.9	999.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.
75.0	154.3	24900.9	99.9	99.9	99.9	999.9	999.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
@ BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
@@ BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456
TOPEKA, KANSAS

3 MAY 1978
1105 GMT

199 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.6	268.0	981.3	7.2	1.7	60.0	2.1	-1.8	-1.0	281.9	293.4	4.4	68.0	0.0	0.
55.5	55.5	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8.1	321.2	975.0	8.2	-0.7	86.2	9.2	-9.1	-0.6	283.4	293.3	3.7	53.3	0.6	196.
1.2	10.0	535.8	950.0	8.6	-4.4	100.0	11.4	-11.2	2.0	285.9	293.8	2.9	39.4	0.8	225.
2.1	11.5	756.1	925.0	8.1	-7.9	115.2	14.0	-12.7	6.0	287.6	293.9	2.3	31.3	1.3	257.
3.0	13.8	981.2	900.0	5.7	-9.4	116.4	13.4	-12.0	6.0	287.4	293.3	2.1	32.6	1.9	272.
4.0	15.8	1210.7	875.0	3.6	-10.9	119.0	14.5	-12.7	7.0	287.5	292.9	1.9	33.7	2.7	279.
5.1	17.8	1445.4	850.0	1.9	-11.5	120.3	13.6	-11.7	6.9	288.2	293.5	1.9	36.2	3.6	285.
6.1	20.0	1685.6	825.0	0.8	-12.5	110.5	10.2	-9.5	3.6	289.4	294.5	1.8	36.3	4.3	287.
7.1	22.1	1932.1	800.0	-0.5	-13.4	102.3	8.6	-8.4	1.8	290.7	295.6	1.7	36.9	4.8	287.
8.3	24.3	2185.3	775.0	-1.5	-24.6	106.5	10.0	-9.6	2.8	292.2	294.3	0.7	15.2	5.4	286.
9.5	26.5	2446.3	750.0	-1.7	-22.9	106.6	10.7	-10.2	3.0	294.7	297.2	0.8	18.0	6.2	287.
10.7	28.8	2715.8	725.0	-2.0	-25.4	104.2	10.9	-10.6	2.7	297.2	299.3	0.7	14.6	7.0	286.
11.9	31.2	2994.2	700.0	-2.6	-29.2	102.4	12.6	-12.3	2.7	299.7	301.2	0.5	10.7	7.8	286.
13.0	33.6	3282.4	675.0	-2.8	-32.3	102.4	13.8	-13.5	3.0	302.5	303.7	0.4	8.1	8.8	286.
14.4	36.1	3581.4	650.0	-2.9	-31.6	104.5	12.3	-11.9	3.1	305.7	307.0	0.4	8.8	9.8	286.
15.8	38.7	3890.8	625.0	-5.2	-26.1	100.5	11.3	-11.1	2.1	306.5	308.8	0.7	17.6	10.8	285.
17.2	41.3	4210.2	600.0	-7.8	-9.3	97.4	11.9	-11.8	1.5	307.1	316.5	3.1	88.6	11.7	285.
18.5	44.0	4540.8	575.0	-8.4	-8.8	90.3	11.3	-11.3	0.1	310.1	320.3	3.4	97.2	12.6	284.
19.7	46.6	4885.0	550.0	-10.3	-10.5	93.6	11.3	-11.3	0.7	311.9	321.4	3.1	98.3	13.4	283.
21.0	49.4	5242.1	525.0	-12.8	-13.7	108.6	10.6	-10.0	3.4	313.0	320.8	2.5	93.3	14.2	283.
22.5	52.4	5613.1	500.0	-15.1	-16.1	122.4	10.2	-8.6	5.5	314.7	321.4	2.2	91.8	15.2	284.
24.1	55.5	5999.8	475.0	-16.8	-18.0	129.8	9.3	-7.2	6.0	317.2	323.4	2.0	90.9	16.1	285.
25.8	58.8	6404.4	450.0	-19.0	-20.2	141.2	10.3	-6.5	8.0	319.4	324.9	1.7	89.6	16.9	287.
27.4	62.0	6828.0	425.0	-21.6	-23.2	134.3	10.5	-7.5	7.3	321.3	325.8	1.4	86.9	17.8	289.
29.2	65.6	7272.1	400.0	-25.2	-27.6	127.1	8.9	-7.1	5.4	322.2	325.5	1.0	80.4	18.7	290.
30.9	69.2	7737.4	375.0	-28.7	-31.2	139.8	10.2	-6.6	7.8	323.6	326.2	0.7	79.0	19.6	291.
32.9	73.0	8227.4	350.0	-32.5	-34.9	165.3	14.9	-3.8	14.4	324.9	326.9	0.6	79.1	20.6	293.
34.9	77.0	8745.7	325.0	-36.3	-38.5	173.1	21.9	-2.6	21.7	326.7	328.2	0.4	79.4	21.8	298.
37.0	81.3	9295.7	300.0	-40.9	99.9	170.8	26.7	-4.3	26.3	327.8	999.9	99.9	999.9	23.7	304.
39.3	85.8	9881.0	275.0	-46.0	99.9	173.2	29.4	-5.0	29.0	328.6	999.9	99.9	999.9	26.3	310.
41.2	90.6	10507.2	250.0	-51.7	99.9	173.6	32.3	-3.6	32.1	329.2	999.9	99.9	999.9	29.4	315.
43.8	95.8	11181.1	225.0	-57.6	99.9	177.9	36.8	-1.3	36.8	330.3	999.9	99.9	999.9	33.7	321.
46.7	101.3	11913.8	200.0	-63.8	99.9	176.4	38.8	-2.4	38.7	331.7	999.9	99.9	999.9	39.1	327.
49.8	107.3	12725.5	175.0	-65.0	99.9	193.0	36.9	8.3	35.9	332.6	999.9	99.9	999.9	45.8	332.
53.1	114.0	13662.0	150.0	-62.1	99.9	227.7	17.3	12.8	11.6	331.0	999.9	99.9	999.9	48.4	337.
57.7	121.5	14802.1	125.0	-59.1	99.9	245.5	11.8	10.7	4.9	334.1	999.9	99.9	999.9	48.5	340.
62.8	129.7	16198.5	100.0	-60.9	99.9	254.8	9.9	9.6	2.6	410.2	999.9	99.9	999.9	49.1	344.
69.4	138.7	17991.1	75.0	-60.3	99.9	277.2	7.7	7.7	-1.0	446.5	999.9	99.9	999.9	48.6	348.
78.0	148.5	20525.6	50.0	-57.7	99.9	301.2	4.7	4.0	-2.4	507.6	999.9	99.9	999.9	47.4	352.
92.5	159.0	24655.5	25.0	-50.6	99.9	299.1	4.7	4.1	-2.3	639.3	999.9	99.9	999.9	45.0	352.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532
PEORIA, ILLINOIS

3 MAY 1978
1148 GMT

160 19. 0

TIME MIN	CATCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.1	7.5	2000.0	992.9	5.0	-9.9	60.0	2.1	-1.8	-1.0	278.7	283.6	1.8	33.0	0.0	0.
56.5	56.5	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.
0.4	9.1	348.7	979.0	5.8	-11.0	87.2	10.1	-10.1	-0.5	281.0	285.6	1.7	28.6	0.2	273.
1.3	11.4	561.6	950.0	6.7	-6.5	84.3	11.7	-11.6	-1.2	284.0	289.8	2.1	32.7	0.7	267.
2.4	13.7	774.3	925.0	6.0	-8.9	84.2	13.6	-13.6	-1.4	285.5	291.3	2.1	33.4	1.4	266.
3.3	16.1	1014.3	900.0	4.5	-8.4	85.3	14.5	-14.4	-1.2	286.5	292.8	2.2	37.4	2.1	265.
4.3	18.5	1233.5	875.0	4.1	-9.6	84.3	15.1	-15.0	-1.5	288.1	294.0	2.1	35.5	2.9	265.
5.3	20.9	1468.7	850.0	3.1	-10.6	84.5	15.7	-15.6	-1.5	289.4	295.0	2.0	35.7	3.8	265.
6.4	23.3	1713.3	825.0	2.4	-9.7	83.0	12.9	-12.8	-1.6	291.2	297.9	2.4	44.1	4.6	265.
7.7	25.9	1969.2	800.0	2.6	-8.4	77.4	8.9	-8.7	-2.0	293.9	301.1	2.5	44.1	5.2	264.
7.7	28.3	2215.5	775.0	1.3	-9.7	72.9	7.9	-7.5	-2.3	295.3	302.1	2.4	43.6	5.6	264.
8.6	30.8	2478.5	750.0	0.8	-11.9	64.8	8.9	-8.1	-3.8	297.2	303.2	2.0	38.5	6.2	263.
9.7	33.5	2753.4	725.0	-0.9	-12.7	57.1	8.4	-7.1	-4.6	298.5	304.4	2.0	40.3	6.6	261.
10.8	36.2	3033.4	700.0	-1.3	-16.6	55.2	7.8	-6.0	-5.0	301.0	305.5	1.5	30.0	7.1	259.
11.7	38.9	3319.3	675.0	-2.9	-18.8	35.3	5.5	-3.2	-4.5	302.4	306.4	1.3	28.0	7.5	257.
12.8	41.7	3615.1	650.0	-3.2	-27.5	21.9	2.7	-1.0	-2.5	305.4	307.4	0.6	13.7	7.7	255.
14.2	44.4	3923.2	625.0	-4.0	-28.6	16.3	2.4	-0.7	-2.3	307.9	309.9	0.6	13.3	7.7	255.
15.4	47.3	4240.9	600.0	-5.9	-30.2	9.3	3.2	-0.5	-3.1	309.3	311.0	0.5	12.5	7.8	253.
16.6	50.2	4570.8	575.0	-8.3	-32.6	356.6	3.2	0.2	-3.2	310.3	311.8	0.4	11.9	7.9	252.
18.3	53.2	4923.9	550.0	-11.1	-33.0	355.1	2.8	0.0	-2.8	310.9	312.3	0.4	14.4	8.3	250.
19.1	56.3	5270.5	525.0	-14.4	-35.3	353.5	2.6	1.2	-2.3	311.1	312.3	0.4	15.0	8.1	249.
20.7	59.4	5645.8	500.0	-17.2	-37.4	289.4	4.2	4.0	-1.1	312.1	313.2	0.3	15.3	7.9	247.
22.1	62.6	6029.2	475.0	-20.2	-39.7	269.9	5.8	5.7	-1.1	313.0	313.9	0.2	15.5	7.6	245.
23.5	65.9	6427.3	450.0	-22.8	-42.9	269.6	8.3	8.3	0.1	314.6	315.3	0.2	13.8	7.1	243.
25.2	69.4	6843.7	425.0	-26.6	-44.9	264.7	10.9	10.9	1.0	315.0	315.6	0.2	15.7	6.2	240.
26.2	72.9	7279.5	400.0	-27.8	-45.5	275.1	15.7	15.7	-1.4	318.9	319.5	0.2	16.3	5.1	232.
28.4	76.5	7741.9	375.0	-29.4	-47.2	278.9	17.8	17.6	-2.8	322.7	323.2	0.1	15.9	4.0	214.
30.3	80.1	8234.1	350.0	-33.1	-49.9	296.1	16.3	16.4	-2.0	324.1	324.5	0.1	16.6	3.9	188.
32.1	84.0	8748.2	325.0	-37.6	-53.2	301.4	21.5	18.4	-11.2	324.9	325.2	0.1	17.5	5.1	166.
33.1	88.0	9295.8	300.0	-41.4	99.9	287.3	27.2	26.0	-8.1	327.0	999.9	99.9	999.9	7.0	151.
35.2	92.4	9868.4	275.0	-46.0	99.9	287.4	33.8	33.8	1.6	328.6	999.9	99.9	999.9	9.2	135.
37.4	96.8	10507.7	250.0	-50.8	99.9	293.3	40.8	39.0	11.7	330.5	999.9	99.9	999.9	12.1	118.
39.4	101.8	11164.5	225.0	-57.0	99.9	295.7	49.0	44.7	20.2	331.2	999.9	99.9	999.9	16.2	103.
41.7	106.8	11921.8	200.0	-61.9	99.9	293.3	52.2	46.6	23.4	334.7	999.9	99.9	999.9	22.0	91.
44.1	112.4	12744.5	175.0	-63.9	99.9	282.3	39.9	39.5	5.3	344.5	999.9	99.9	999.9	28.4	86.
46.1	118.3	13673.2	150.0	-70.9	99.9	277.3	30.3	30.1	-3.9	347.9	999.9	99.9	999.9	34.1	87.
50.4	125.3	14782.6	125.0	-61.4	99.9	286.5	16.6	15.9	-4.7	383.8	999.9	99.9	999.9	38.6	89.
55.3	132.7	16174.7	100.0	-60.0	99.9	281.4	13.5	13.2	-2.7	411.9	999.9	99.9	999.9	42.7	90.
61.2	141.5	17979.8	75.0	-60.4	99.9	267.3	9.5	9.5	0.4	446.3	999.9	99.9	999.9	46.3	91.
65.2	151.7	20000.0	50.0	-58.4	99.9	317.2	4.9	3.3	-3.5	505.9	999.9	99.9	999.9	49.9	91.
82.4	163.0	24944.2	25.0	-51.2	99.9	110.5	5.3	-5.0	1.9	637.5	999.9	99.9	999.9	49.7	93.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 162
NORTH PLATTE, NEBRASKA

3 MAY 1978
1105 GMT

190 23. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PCT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.6	867.0	914.7	0.6	-1.3	110.0	2.1	-2.0	0.7	280.8	290.8	3.8	87.0	0.0	0.
99.9	99.9	99.9	1080.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	14.2	578.2	900.0	3.9	-2.7	999.9	999.9	99.9	99.9	285.5	296.2	4.8	72.0	999.9	999.
1.0	16.2	1257.7	875.0	4.3	-3.9	999.9	999.9	99.9	99.9	288.2	297.8	3.5	59.1	999.9	999.
2.3	16.3	1943.0	850.0	2.3	-4.7	179.1	8.4	-0.1	8.4	288.5	297.2	3.2	59.7	0.0	356.
3.4	21.4	1621.5	825.0	0.4	-5.4	178.1	8.4	-0.1	8.4	288.9	297.5	3.1	65.6	1.4	356.
4.2	22.6	1929.5	800.0	-1.7	-6.2	179.9	8.0	-0.6	8.0	289.4	297.7	3.0	71.4	1.9	359.
5.1	24.8	2181.5	775.0	-3.5	-9.3	168.0	7.4	-1.5	7.2	290.1	296.9	2.4	64.0	2.3	358.
6.4	27.2	2446.7	750.0	-3.1	-14.9	169.8	4.5	-2.2	3.9	293.3	294.1	0.3	6.4	2.7	356.
7.2	24.5	2711.1	725.0	-9.4	-31.4	141.0	4.2	-2.6	3.3	299.1	300.3	0.4	7.4	2.9	353.
8.2	21.9	2981.1	700.0	-8.8	-31.2	123.1	4.2	-3.2	3.4	301.6	302.9	0.4	7.8	3.1	349.
9.3	24.4	3249.8	675.0	-2.3	-8.3	116.3	7.6	-6.4	3.4	303.9	311.9	3.9	63.7	3.4	343.
10.3	26.5	3517.7	650.0	-1.9	-8.3	112.9	7.5	-6.9	2.9	304.6	313.8	3.2	71.3	3.5	338.
11.1	29.5	3784.5	625.0	-5.9	-12.8	106.3	5.8	-5.7	1.8	305.7	313.7	2.7	67.9	4.1	332.
12.7	42.2	42.7.5	600.0	-8.4	-16.8	92.1	2.9	-1.6	-1.2	308.7	314.9	1.7	63.5	4.2	329.
14.1	44.9	4541.1	575.0	-7.5	-22.5	262.9	1.8	1.8	0.1	311.3	314.8	1.1	28.7	4.2	329.
15.2	47.8	4804.7	550.0	-9.7	-27.1	188.4	1.8	-0.5	1.4	312.6	315.1	0.8	22.6	4.3	330.
16.1	50.6	5241.8	525.0	-12.7	-35.9	99.5	3.2	-2.6	-1.8	313.2	315.2	0.6	21.8	4.3	328.
17.2	53.6	56.2.0	500.0	-15.5	-32.4	2.3	5.2	-0.2	-5.2	314.2	315.8	0.5	21.7	4.2	324.
18.1	56.6	5979.8	475.0	-18.3	-37.9	343.6	5.6	3.6	-4.3	315.3	316.4	0.3	15.9	3.7	322.
20.0	61.1	6356.2	450.0	-21.1	-42.1	253.7	4.9	4.7	1.4	316.8	317.5	0.2	13.8	3.3	325.
22.1	63.8	6617.7	425.0	-24.0	-45.4	214.7	4.5	2.5	3.7	318.2	318.7	0.2	11.8	3.4	336.
24.0	67.5	7257.5	400.0	-26.8	-48.8	203.1	2.5	1.0	2.3	320.2	320.6	0.1	10.3	3.6	338.
25.2	72.7	7716.6	375.0	-31.1	-50.2	224.9	3.6	2.9	0.8	320.4	320.8	0.1	13.1	3.7	341.
27.1	74.7	8214.5	350.0	-35.2	-45.4	249.7	3.9	3.7	1.4	321.3	322.0	0.2	35.3	3.6	347.
29.4	78.7	8717.3	325.0	-38.9	-42.1	211.7	5.6	2.9	4.8	323.0	324.0	0.3	71.8	3.9	353.
31.4	83.0	9222.5	300.0	-41.4	99.9	214.9	8.8	4.8	6.9	324.2	999.9	99.9	999.9	4.6	358.
33.0	87.4	9441.5	275.0	-47.9	99.9	225.3	14.8	9.6	10.7	325.9	999.9	99.9	999.9	5.7	9.
35.7	92.4	10483.5	250.0	-52.4	99.9	252.5	23.4	9.0	21.6	328.2	999.9	99.9	999.9	7.8	15.
38.4	97.6	11119.7	225.0	-54.5	99.9	194.6	32.1	8.1	31.1	331.9	999.9	99.9	999.9	12.5	16.
40.1	101.3	11479.5	200.0	-61.7	99.9	194.1	34.2	8.3	33.1	335.1	999.9	99.9	999.9	16.7	15.
41.4	104.3	12656.1	175.0	-64.2	99.9	212.5	25.2	14.7	20.5	340.8	999.9	99.9	999.9	20.2	16.
42.1	105.5	13023.9	150.0	-56.8	99.9	247.5	11.5	10.6	4.4	348.5	999.9	99.9	999.9	23.5	21.
52.0	111.3	14778.5	125.0	-58.2	99.9	275.4	6.6	6.6	-0.6	389.6	999.9	99.9	999.9	24.2	25.
55.1	111.3	16151.6	100.0	-57.9	99.9	362.5	6.3	5.3	-3.4	415.9	999.9	99.9	999.9	24.7	29.
61.2	142.3	18055.5	75.0	-58.6	99.9	269.2	4.7	4.7	0.1	461.3	999.9	99.9	999.9	24.9	33.
69.0	152.8	20262.3	50.0	-57.5	99.9	323.8	3.4	2.6	-2.7	509.1	999.9	99.9	999.9	26.3	37.
81.4	167.6	25019.8	25.0	-51.4	99.9	999.9	99.9	99.9	99.9	836.8	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 15 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 353
OMAHA, NEBRASKA

3 MAY 1978
1104 GMT

149 22. 1

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.8	400.0	967.7	5.4	-2.9	190.0	2.1	-2.1	0.4	281.2	289.6	3.2	55.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	10.3	552.6	950.0	9.8	-2.8	999.9	999.9	99.9	99.9	287.1	296.0	3.3	41.3	999.9	999.
1.4	12.5	773.6	925.0	8.6	-5.6	999.9	999.9	99.9	99.9	288.1	295.6	2.7	36.1	999.9	999.
2.2	14.6	999.2	900.0	6.6	-6.5	145.5	6.6	-3.7	5.4	288.3	295.5	2.6	38.6	0.9	332.
3.0	16.9	1229.5	875.0	4.7	-6.5	137.9	5.9	-4.0	4.4	288.7	296.1	2.7	43.9	1.2	330.
3.8	19.1	1464.7	850.0	2.4	-7.8	126.1	6.2	-5.0	3.6	288.7	295.6	2.5	46.7	1.5	326.
4.6	21.5	1705.1	825.0	0.2	-9.2	120.5	8.2	-7.1	4.2	288.8	295.3	2.3	49.1	1.8	322.
5.4	23.7	1950.8	800.0	-1.8	-10.5	114.7	9.4	-8.6	3.9	289.3	295.3	2.2	51.4	2.2	318.
6.3	26.1	2202.7	775.0	-2.8	-15.3	113.6	9.1	-8.3	3.7	290.8	295.2	1.5	37.7	2.6	313.
7.1	28.5	2462.4	750.0	-2.8	-34.4	115.1	10.4	-9.4	4.4	293.5	294.4	0.3	6.7	3.1	310.
8.1	31.0	2731.2	725.0	-1.7	-41.6	122.5	12.8	-10.7	6.9	297.7	298.1	0.1	2.9	3.7	308.
9.1	33.4	3010.6	700.0	-1.7	-36.6	126.8	14.6	-11.7	8.7	300.6	301.4	0.2	5.0	4.5	308.
10.1	36.0	3298.6	675.0	-2.0	-28.9	120.6	13.9	-12.0	7.1	302.3	303.9	0.5	11.4	5.4	307.
11.2	38.6	3597.4	650.0	-4.2	-24.4	115.8	11.8	-10.6	5.1	304.3	306.8	0.8	18.9	6.3	306.
12.3	41.2	3905.5	625.0	-5.8	-30.1	118.7	10.7	-9.4	5.1	305.8	307.5	0.5	12.6	7.0	305.
13.3	43.9	4224.3	600.0	-7.6	-32.6	124.3	8.6	-7.1	4.9	307.3	308.7	0.4	11.4	7.6	305.
14.5	46.7	4554.4	575.0	-8.9	-34.9	139.1	6.8	-4.5	5.2	309.5	310.7	0.3	10.1	8.1	305.
15.6	49.4	4897.0	550.0	-11.3	-30.0	158.1	5.2	-1.9	4.8	310.7	312.7	0.6	21.2	8.5	306.
16.8	52.3	5252.4	525.0	-13.3	-29.0	160.9	3.1	-1.0	2.9	312.5	314.7	0.7	25.4	8.7	307.
18.1	55.3	5622.1	500.0	-15.9	-35.6	124.0	2.0	-1.6	1.1	313.7	315.0	0.4	16.4	8.9	308.
19.5	58.3	6006.8	475.0	-18.8	-38.2	10.2	3.1	-0.5	-3.1	314.7	315.8	0.3	16.0	8.9	307.
20.9	61.5	6407.2	450.0	-21.9	-41.4	301.4	5.9	5.1	-3.1	315.7	316.5	0.2	15.1	8.5	306.
22.5	64.7	6825.9	425.0	-24.1	-45.8	261.8	8.4	8.3	1.2	318.1	318.7	0.1	11.3	8.0	309.
24.1	68.1	7265.9	400.0	-26.5	-48.5	243.4	7.4	6.8	3.3	320.6	321.0	0.1	10.4	7.6	314.
25.8	71.6	7730.2	375.0	-29.3	-50.6	251.1	5.0	4.8	1.6	322.9	323.3	0.1	10.5	7.4	318.
27.6	75.1	8218.2	350.0	-33.9	-52.0	263.8	4.9	4.8	0.5	323.1	323.4	0.1	14.0	7.2	322.
29.5	78.9	8732.3	325.0	-38.6	-48.7	253.4	9.2	8.8	2.6	323.5	324.1	0.1	32.9	6.9	327.
31.6	83.0	9278.5	300.0	-41.9	99.9	240.2	18.0	15.6	8.9	326.3	999.9	99.9	999.9	6.8	341.
33.8	87.2	9863.0	275.0	-46.2	99.9	223.0	26.5	18.0	19.4	328.4	999.9	99.9	999.9	8.3	0.
36.2	91.6	10490.0	250.0	-51.0	99.9	214.9	33.7	19.3	27.7	330.2	999.9	99.9	999.9	12.0	13.
38.7	96.2	11166.7	225.0	-56.7	99.9	211.7	38.3	20.1	32.6	331.6	999.9	99.9	999.9	17.3	19.
41.1	101.2	11903.6	200.0	-63.3	99.9	210.9	44.0	22.3	37.9	332.6	999.9	99.9	999.9	23.2	22.
43.6	106.6	12719.4	175.0	-65.3	99.9	227.1	33.4	24.5	22.7	342.2	999.9	99.9	999.9	29.2	25.
46.1	112.5	13647.0	150.0	-65.3	99.9	253.7	16.8	16.1	4.7	357.7	999.9	99.9	999.9	32.2	28.
50.3	116.3	14781.9	125.0	-59.8	99.9	271.2	10.6	10.6	-0.2	386.7	999.9	99.9	999.9	33.9	33.
55.2	122.7	16181.6	100.0	-58.3	99.9	286.6	7.9	7.6	-2.3	415.1	999.9	99.9	999.9	35.1	37.
61.2	135.0	17986.4	75.0	-59.3	99.9	275.1	6.2	6.1	-0.5	448.7	999.9	99.9	999.9	36.2	40.
69.3	144.5	20535.1	50.0	-57.1	99.9	252.8	3.7	3.6	1.1	509.1	999.9	99.9	999.9	37.5	43.
81.8	154.7	24591.9	25.0	-50.9	99.9	221.5	2.4	1.6	1.8	638.7	999.9	99.9	999.9	37.2	44.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 11001
MARSHALL SPC. ALABAMA

3 MAY 1978
1135 GMT

120 09. 0

TIME MIN	CATCH	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.3	-89.0	948.8	12.9	1.9	90.0	6.1	-6.1	0.0	287.8	298.8	4.4	47.8	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.7	298.2	975.0	12.8	1.8	104.7	10.0	-9.6	2.8	288.0	300.0	4.5	47.2	8.3	281.
1.6	11.2	516.1	950.0	13.0	-6.9	116.6	13.2	-11.8	5.9	290.4	300.8	3.8	29.1	8.9	288.
2.6	13.8	741.6	925.0	14.4	-8.2	123.8	15.8	-13.1	8.8	294.1	300.3	2.2	19.6	1.8	295.
3.6	16.2	971.7	900.0	12.9	-9.7	133.7	15.5	-11.2	10.7	294.8	306.0	4.8	30.8	2.7	299.
4.5	18.8	1207.8	875.0	11.6	2.3	153.9	14.4	-6.3	12.9	295.9	310.1	5.2	52.7	3.5	304.
5.5	21.3	1450.0	850.0	10.2	7.5	174.2	13.8	-1.3	12.9	296.8	317.6	7.7	83.5	4.2	312.
6.6	24.0	1698.5	825.0	8.9	6.1	177.1	10.2	-0.5	10.2	298.1	317.7	7.2	82.4	4.7	319.
7.5	26.6	1953.6	800.0	8.6	5.8	183.4	6.6	0.4	6.6	300.3	320.5	7.4	84.1	5.1	322.
8.8	29.3	2216.1	775.	7.6	4.4	200.4	5.2	1.8	4.9	301.3	322.8	7.8	96.1	5.4	325.
9.9	32.1	2485.6	750.	5.9	-1.1	219.5	6.4	4.1	4.9	303.8	326.4	6.7	69.8	5.5	329.
11.1	34.9	2763.7	725.0	6.8	-3.8	216.4	5.8	3.4	4.7	306.9	329.8	6.2	48.6	5.7	333.
12.2	37.7	3051.5	700.0	5.4	-11.8	209.3	4.7	2.3	4.1	308.5	315.2	2.2	27.6	5.9	336.
13.5	40.5	3 47.6	675.0	3.4	-19.6	222.7	5.1	3.5	3.8	309.7	313.5	1.2	16.3	6.1	339.
14.7	43.5	3632.4	650.0	0.8	-5.6	249.7	7.3	6.7	3.0	309.9	321.5	3.9	63.6	6.2	342.
16.1	46.5	3944.4	625.0	-2.0	-8.6	248.8	8.9	8.2	3.3	310.2	321.4	3.8	71.1	6.2	344.
17.4	49.6	4259.6	600.0	-4.7	-9.5	241.5	11.0	9.7	5.2	310.7	32..1	3.1	69.4	6.5	355.
18.7	52.8	4578.1	575.0	-5.2	-23.5	244.6	13.8	12.6	5.5	314.0	317.6	1.1	26.3	6.9	2.
19.9	56.0	4899.9	550.0	-6.7	-24.9	245.6	14.3	13.4	5.0	316.2	318.2	0.4	13.8	7.5	10.
21.2	59.1	5223.7	525.0	-9.8	-27.1	252.5	13.3	12.7	4.0	316.7	320.7	1.2	35.8	8.1	17.
22.4	62.3	5548.0	500.0	-13.3	-25.1	255.1	13.8	13.3	3.4	314.8	321.8	1.5	56.5	8.7	23.
24.2	65.9	5886.4	475.0	-15.4	-19.8	259.6	15.8	15.5	3.1	318.7	324.1	1.7	75.1	9.6	32.
25.9	69.8	6232.7	450.0	-16.1	-24.0	264.3	15.5	15.5	1.3	320.5	324.5	1.2	59.7	10.6	37.
27.7	73.1	6587.3	425.0	-21.3	-23.1	266.9	16.8	16.5	3.0	321.7	324.3	1.0	85.4	11.8	43.
29.3	76.9	7.72.1	400.0	-23.9	-27.9	269.6	16.0	14.9	5.6	323.5	327.2	1.0	69.3	13.5	47.
31..	80.7	7965.4	375.0	-27.3	-25.1	268.4	28.2	27.6	6.1	329.5	327.3	0.5	47.2	15.3	50.
32.1	84.8	8332.7	350.0	-32.5	-29.4	253.5	26.0	24.9	7.4	325.7	326.9	0.4	47.4	18.7	55.
35.5	-9.0	86.3.3	325.0	-35.4	-40.9	257.6	23.0	22.4	6.9	327.8	329.6	0.3	56.8	21.2	57.
37.5	93.4	9035.6	300.0	-39.8	99.9	254.0	22.1	21.6	5.3	329.3	999.9	99.9	999.9	23.8	60.
39.1	98.0	9524.0	275.0	-44.5	99.9	256.3	22.8	22.8	5.4	330.8	999.9	99.9	999.9	26.4	61.
41.2	102.8	10047.0	250.0	-49.2	99.9	245.2	24.5	24.4	2.8	332.9	999.9	99.9	999.9	29.1	63.
43.4	107.8	10598.8	225.0	-55.4	99.9	248.5	25.4	25.4	0.8	333.4	999.9	99.9	999.9	32.7	66.
45.7	113.4	11250.8	200.0	-63.9	99.9	249.9	49.1	49.0	3.5	336.3	999.9	99.9	999.9	37.9	69.
48.4	119.3	11948.2	175.0	-67.6	99.9	255.3	61.5	59.5	15.6	338.5	999.9	99.9	999.9	47.3	71.
51..	125.5	12652.6	150.0	-63.3	99.9	263.4	52.6	52.3	6.1	341.1	999.9	99.9	999.9	57.3	72.
54.5	132.0	13410.8	125.0	-69.1	99.9	270.7	31.3	31.3	-3.4	344.9	999.9	99.9	999.9	64.8	74.
58.6	139.1	14252.6	100.0	-65.6	99.9	999.9	999.9	99.9	99.9	400.5	999.9	99.9	999.9	78.6	76.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33001
COLLEGE STATION, TEXAS

3 MAY 1978
1151 GMT

34 647. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	* POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.3	79.0	996.6	13.5	12.7	0.0	0.0	0.0	0.0	286.9	310.7	9.3	95.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	8.2	262.6	975.0	10.4	9.4	999.9	999.9	99.9	99.9	285.7	305.2	7.6	93.3	999.9	999.
1.7	10.3	479.1	950.0	9.4	8.4	999.9	999.9	99.9	99.9	286.7	305.6	7.3	93.2	999.9	999.
3.5	12.4	700.4	925.0	8.6	7.4	999.9	999.9	99.9	99.9	288.1	306.4	7.0	92.7	0.8	152.
3.5	14.6	928.8	900.0	11.4	9.9	343.8	2.5	0.7	-2.4	293.3	315.8	8.5	90.4	0.9	156.
4.4	16.7	1164.9	875.0	11.6	5.8	294.8	1.3	1.2	-0.6	295.8	313.9	6.7	68.3	1.0	154.
5.5	19.0	1407.8	850.0	12.2	4.7	246.8	1.7	1.5	0.7	299.0	316.4	6.3	60.1	1.1	152.
6.6	21.2	1658.2	825.0	11.5	4.2	222.6	4.1	2.8	3.0	300.7	318.1	6.3	60.9	1.0	141.
7.8	23.6	1914.7	800.0	9.4	2.6	229.2	5.8	4.4	3.8	301.1	317.3	5.8	62.7	1.1	121.
9.0	25.8	2177.5	775.0	7.5	2.3	231.6	6.8	5.4	4.2	301.9	318.3	5.9	69.4	1.3	101.
10.2	28.3	2446.5	750.0	5.7	1.1	241.3	9.5	8.3	4.5	302.8	318.5	5.6	72.2	1.7	88.
11.3	30.8	2723.7	725.0	3.6	1.1	251.9	11.3	10.7	3.5	303.4	319.5	5.7	83.9	2.4	82.
12.6	33.5	3007.7	700.0	1.0	-0.7	255.8	12.7	12.3	3.1	303.6	318.3	5.2	88.5	3.3	80.
14.2	36.0	3299.8	675.0	-0.1	-1.7	999.9	999.9	99.9	99.9	305.6	319.9	5.0	88.6	4.6	78.
16.0	38.7	3601.3	650.0	-2.1	-3.6	999.9	99.9	99.9	99.9	306.6	319.7	4.5	88.5	999.9	999.
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
** BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

APPROVAL

NASA'S AVE VII EXPERIMENT: 25-mb SOUNDING DATA

By J. Greg Davis, Henry E. Fuelberg, and Robert E. Turner

The information in this report has been reviewed for technical content. Review of any information concerning Department of Defense or nuclear energy activities or programs has been made by the MSFC Security Classification Officer. This report, in its entirety, has been determined to be unclassified.

WILLIAM W. VAUGHAN
Chief, Atmospheric Sciences Division

CHARLES A. LUNDQUIST
Director, Space Sciences Laboratory

☆ U.S. GOVERNMENT PRINTING OFFICE 1978–640-081/256 REGION NO. 4