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AVE-SESAME IV: 25 MB SOUNDING DATA

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and Robert E. Turner

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16. ABSTRACT  This report describes the rawinsonde sounding program for the AVE-SESAME IV experiment and presents tabulated data at 25 mb for the 23 National Weather Service and 20 special stations participating in the experiment. Soundings were taken at 3-hr intervals beginning at 1200 GMT on May 9, 1979, and ending at 1200 GMT on May 10, 1979 (nine sounding times). The method of processing is discussed briefly, estimates of the rms errors in the data are presented, and an example of contact data is given. Reasons are given for the termination of soundings below 100 mb, and soundings are listed which exhibit abnormal characteristics.					
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AVE-SESAME IV: 25-MB SOUNDING DATA

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1. Introduction

In the spring of 1979, NASA participated in six Atmospheric Variability Experiment-Severe Environmental Storms and Mesoscale Experiments (AVE-SESAME). The dates, observation times, and data reports for each of these experiments are listed in Table 1. A more complete listing of all of NASA's previous Atmospheric Variability Experiments (AVE) is given by Williams et al. (1980b). The present report contains data and information for the fourth AVE-SESAME experiment (9-10 May 1979).

This report is primarily a data document containing rawinsonde data taken at both National Weather Service and special stations during AVE-SESAME IV (9-10 May 1979). The computer program for computing soundings, description of the data processing method, and error analysis have been presented by Fuelberg (1974). Error estimates from Fuelberg's report are presented in Section IV. A description of the synoptic conditions, observed weather, selected satellite photographs, and summaries of severe and unusual weather events compiled from teletype reports are presented in a separate report entitled, "A Preliminary Look at AVE-SESAME IV Conducted on 9-10 May 1979." That report is being printed concurrently with this data report.

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Table 1. Summary of AVE-SESAME experiments.

Experiment	Dates	Observation Times	Data Reports
AVE-SESAME I	10-11 April 1979	4/10 - 12, 15, 18, 21 4/11 - 00, 03, 06, 09, 12	Gerhart, <u>et al.</u> (1979)
AVE-SESAME II	19-20 April 1979	4/19 - 12, 15, 18, 21 4/20 - 00, 03, 06, 09, 12	Williams, <u>et al.</u> (1980a)
AVE-SESAME III	25-26 April 1979	4/25 - 12, 15, 18, 21 4/26 - 00, 03, 06, 09, 12	Williams, <u>et al.</u> (1980b)
AVE-SESAME IV	9-10 May 1979	5/09 - 12, 15, 18, 21 5/10 - 00, 03, 06, 09, 12	This Report
AVE-SESAME V	20-21 May 1979	5/20 - 12, 15, 18, 21 5/21 - 00, 03, 06, 09, 12	In Preparation
AVE-SESAME VI	7-8 June 1979	6/7 - 12, 15, 18, 21 6/8 - 00, 03, 06, 09, 12	In Preparation

## 2. The AVE-SESAME IV Experiment

Twenty-three National Weather Service rawinsonde stations and 20 special rawinsonde stations participated in the AVE-SESAME IV experiment. A list of these stations is presented in Table 2, and their locations are shown in Fig. 1. Soundings were taken at nine times: May 9, 1979 at 1200, 1500, 1800 and 2100 GMT, and May 10, 1979, at 0000, 0300, 0600, 0900, and 1200 GMT.

Rather than being distributed evenly throughout the region, as in the first three AVE-SESAME experiments, the special stations were grouped in a storm-scale network in Oklahoma and Texas. The smaller station spacing affords finer resolution of weather events in the Oklahoma study area.

## 3. Discussion of Basic Data

3.1 Collection of the Data. Raw data from each rawinsonde station were collected by the National Severe Storms Laboratory (NSSL), Norman, Oklahoma, and forwarded to the Atmospheric Sciences Division, NASA Marshall Space Flight Center (MSFC), Alabama. After initial processing these data were forwarded to Texas A&M University where complete soundings were computed using the university's Amdahl 470V/6 computer.

3.2 Methods of Processing. The procedure used to compute the soundings is that used on previous AVEs and is described by Fuelberg (1974). All keypunched data were checked for errors by calculating centered differences on the input data. Additional checks include first differences of computed winds and checks on lapse rates of computed temperatures and dewpoints, plotting of constant pressure charts for 850, 500, and 200 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.

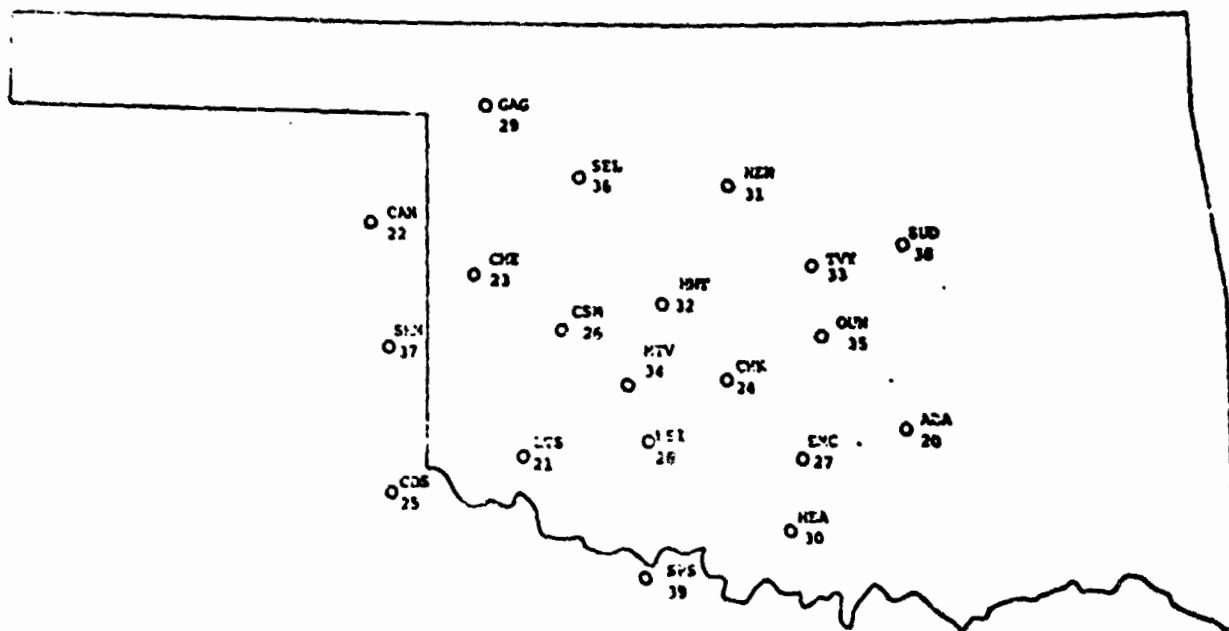
The final data set of the AVE-SESAME IV experiment consists of data computed at each pressure contact and at 25-mb intervals. Thermodynamic quantities were computed at each pressure contact, while winds were computed from the available 30- or 60-s interval angle data by means of centered finite differences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

Table 2. Rawinsonde stations participating in the AVE-SESAME IV experiment.

Station Number	Location
<u>NWS Stations</u>	
229 (CKL)	Centerville, AL
232 (BVE)	Boothville, LA
235 (JAN)	Jackson, MS
240 (LCH)	Lake Charles, LA
247 (GGG)	Longview, TX
255 (VCT)	Victoria, TX
260 (SEP)	Stephenville, TX
261 (DRT)	Del Rio, TX
265 (MAF)	Midland, TX
270 (ELP)	El Paso, TX
327 (BNA)	Nashville, TN
340 (LIT)	Little Rock, AR
349 (UMN)	Monett, MO
353 (OKC)	Oklahoma City, OK
363 (AMA)	Amarillo, TX
365 (ABQ)	Albuquerque, NM
433 (SLO)	Salem, IL
451 (DDC)	Dodge City, KS
456 (TOP)	Topeka, KS
469 (DEN)	Denver, CO
532 (PIA)	Peoria, IL
553 (OMA)	Omaha, NE
562 (LBF)	North Platte, NE
<u>Special Stations</u>	
020 (ADA)	Ada, OK
021 (LTS)	Altus, OK
022 (CAN)	Canadian, TX
023 (CHE)	Cheyenne, OK
024 (CHK)	Chickasha, OK
025 (CDS)	Childress, TX
026 (CSM)	Clinton Sherman, OK
027 (EMC)	Elmore City, OK
028 (FSI)	Ft. Sill, OK
029 (GAG)	Gage, OK
030 (HEA)	Healdton, OK
031 (HEN)	Hennessey, OK
032 (HNT)	Hinton, OK
033 (TVY)	KTVY, OK
034 (MTV)	Mountain View, OK
035 (OUN)	Norman, OK
036 (SEL)	Seiling, Ok
037 (SHM)	Shamrock, TX
038 (SUD)	Stroud, OK
039 (SPS)	Wichita Falls, TX



a. NWS rawinsonde stations



b. Special rawinsonde stations

Fig. 1. Locations of rawinsonde stations participating in the AVE-SESAME IV experiment.

The following procedures were employed in the processing of these data.

(1) Humidity values, including dew-point temperatures, were computed only at temperatures above  $-40^{\circ}\text{C}$ ; at temperatures below  $-40^{\circ}\text{C}$ , humidity values are missing and are indicated by a field of nines (i.e., 99.9). Moisture values were computed if the relative humidity exceeded 1%. If the value was below 1%, it was set equal to 1% and used in the computation of other moisture variables.

(2) Winds based on low elevation angles are denoted by asterisks. One asterisk denotes angles less than  $10^{\circ}$  but greater than  $6^{\circ}$ , while two asterisks denote angles less than  $6^{\circ}$ . 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 were determined for 25-mb levels by interpolating contact values of the u- and v-components.

In processing the data, only those corrections were made that were known to be valid or were provided by NSSL.

#### 4. Discussion of Sounding Data

4.1 Accuracy Estimates. Estimates of the RMS errors in wind and thermodynamic quantities of the AVE-SESAME IV data are the same as those for all AVE experiments and are given by Fuelberg (1974). The estimates for the thermodynamic variables 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-SESAME IV.

Parameter	Approximate RMS Error
Temperature	0.5°C (Fuelberg's value is 1°C)
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-SESAME IV wind data.

Pressure	RMS errors ( $m s^{-1}$ ) in speed		RMS errors (deg) in direction	
	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

4.2 Tabulated Data. An example of AVE-SFSAME IV contact data is given in Table 5, with the explanation of 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 and 25-mb data are available in paper form or on magnetic tape from the Space Sciences Laboratory, Atmospheric Sciences Division (ES84), George C. Marshall Space Flight Center, Alabama, 35812.

The contact data interpolated to 25-mb intervals are presented in Appendix I. The column headings are identical to those used for the contact data and are described in Table 6. The soundings are arranged by station number and appear in ascending order by time for each station. National Weather Service stations are given first, followed by special stations. The first line of each sounding is surface data which is followed by data from 1000 to 25 millibars (or to termination) successively. For levels where the pressure is greater than the surface pressure, missing data (nines) are indicated for each quantity. This is also done when the sounding terminated before the 25-mb level was reached.

One station (Healdton, OK) took two soundings at 1 1/2 hr intervals between the first two AVE-SESAME sounding times. These extra soundings are placed at the end of Appendix I and are indicated by adding the prefix '10' to the station number (10030 instead of 030).

4.3 Soundings with Abnormal Characteristics. Sounding data collected during the AVE-SESAME IV experiment were generally found to be of good quality following processing and rigorous error checking. Nevertheless, some discrepancies were observed in some soundings which may have resulted from undetected errors. In most cases these discrepancies were observed in computations of geopotential height. A list of these soundings along with an explanation of the questionable data for each sounding is presented in Table 8. These soundings interpolated to 25-mb intervals are presented in Appendix II; they should be carefully considered before use. It should be noted that calculations of wind velocity from soundings which contain





Table 5. Continued.

STATION NO. 229 CENTERVILLE, ALABAMA		9 MAY 1979		168 10-0											
TIME MST	CHUTE	HEIGHT GPM	PHES MB	TEMP DG C	DEW PT DG C	WIN DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR WTD GM/KG	RM PCT	RANGE KM	AZ DG
17.1	51.0	4733.0	573.0	-25.0	-29.0	240.0	2.0	1.1	1.2	317.9	320.0	0.0	10.4	0.3 330	
17.5	52.0	4609.0	564.0	-27.0	-31.0	200.4	2.9	1.7	-1.0	310.0	310.9	0.1	1.0	0.3 330	
18.0	53.0	4508.3	557.0	-28.0	-31.7	307.0	4.0	1.0	-2.7	310.0	310.8	0.1	1.0	0.2 331	
18.5	54.0	4397.1	540.0	-30.0	-32.1	302.0	4.0	1.0	-2.5	320.3	320.0	0.1	1.0	0.1 331	
19.0	55.0	4213.3	520.0	-32.0	-32.2	297.2	4.7	4.2	-2.2	321.5	321.7	0.1	1.0	0.0 332	
19.5	56.0	4131.0	532.0	-34.0	-32.5	248.2	4.0	4.4	-1.4	322.3	322.5	0.1	1.0	0.0 332	
19.9	57.0	4032.2	524.0	-35.0	-33.7	204.3	4.0	4.0	-1.3	322.3	322.5	0.0	1.0	0.0 330	
20.1	58.0	3970.7	516.0	-36.0	-33.7	204.3	4.0	4.0	-1.3	322.3	322.5	0.0	1.0	0.0 330	
20.5	59.0	3920.7	508.0	-37.0	-35.5	203.0	3.6	4.6	-1.4	322.0	322.9	0.0	1.0	0.0 330	
21.0	60.0	3816.2	500.0	-38.0	-34.9	202.5	3.9	7.0	-1.2	323.5	323.7	0.0	1.0	0.0 330	
21.7	61.0	3681.3	492.0	-39.0	-35.6	201.0	4.0	7.9	-1.2	323.0	323.7	0.0	1.0	0.0 330	
22.1	62.0	3522.0	485.0	-40.0	-36.2	201.0	5.9	1.0	-1.1	323.0	324.0	0.0	1.0	0.0 340	
22.6	63.0	3410.0	477.0	-41.0	-36.9	270.0	5.0	1.5	-0.9	324.0	324.1	0.0	1.0	0.0 342	
23.0	64.0	3319.0	469.0	-42.0	-37.6	270.0	5.5	1.4	-0.9	324.1	324.2	0.0	1.0	0.1 343	
23.5	65.0	3240.0	462.0	-43.0	-38.1	200.0	5.3	1.2	-1.0	324.0	324.0	0.0	1.0	0.1 340	
24.0	66.0	3160.0	455.0	-44.0	-38.7	275.2	4.9	1.9	-0.6	324.0	324.9	0.0	1.0	0.1 340	
24.3	67.0	3075.1	447.0	-45.0	-39.3	273.0	4.0	4.0	-0.3	325.2	325.4	0.0	1.0	0.0 347	
24.6	68.0	2990.3	440.0	-46.0	-39.8	276.0	4.0	4.9	-0.6	325.7	325.8	0.0	1.0	0.0 349	
25.2	69.0	2915.0	433.0	-47.0	-40.6	201.1	5.1	4.0	-1.0	325.0	325.7	0.0	1.0	0.0 350	
25.7	70.0	2837.1	426.0	-48.0	-41.3	201.1	5.1	4.9	-1.2	325.7	325.8	0.0	1.0	0.0 352	
26.2	71.0	2760.7	419.0	-49.0	-42.0	202.1	4.8	1.7	-1.0	326.1	326.1	0.0	1.0	0.0 353	
26.6	72.0	2683.9	411.0	-50.0	-42.7	201.1	4.8	4.7	-0.9	326.3	326.4	0.0	1.0	0.0 350	
27.1	73.0	2607.0	404.0	-51.0	-43.4	200.9	5.3	4.1	-1.0	326.9	327.0	0.0	1.0	0.0 350	
27.6	74.0	2530.6	397.0	-52.0	-44.1	203.3	6.7	5.0	-1.6	326.9	327.0	0.0	1.0	0.0 350	
28.1	75.0	2454.3	391.0	-53.0	-44.8	203.3	6.7	5.5	-1.5	326.0	326.0	0.0	1.0	0.0 350	
28.6	76.0	2378.0	384.0	-54.0	-45.4	279.1	7.4	7.3	-1.2	327.3	327.3	0.0	1.0	0.0 350	
29.0	77.0	2301.7	377.0	-55.0	-46.0	279.1	8.0	7.0	-1.3	327.6	327.7	0.0	1.0	0.0 350	
29.6	78.0	2225.3	371.0	-56.0	-46.7	201.9	8.7	4.0	-1.0	327.7	327.9	0.0	1.0	0.0 350	
30.0	79.0	2148.9	364.0	-57.0	-47.4	201.7	9.5	7.4	-1.9	327.9	328.1	0.1	1.0	0.0 350	
30.6	80.0	2072.5	358.0	-58.0	-48.1	278.0	10.3	10.1	-1.5	327.9	328.2	0.1	1.0	0.0 350	
31.0	81.0	1996.1	351.0	-59.0	-48.8	273.7	10.5	10.0	-0.7	328.0	328.3	0.1	1.0	0.0 350	
31.6	82.0	1919.7	345.0	-60.0	-49.5	270.2	10.6	13.4	-0.0	328.0	328.4	0.1	1.0	0.0 350	
32.0	83.0	1843.3	339.0	-61.0	-50.2	269.5	10.5	11.5	0.1	327.7	328.1	0.1	1.0	0.0 350	
32.6	84.0	1766.9	332.0	-62.0	-50.9	269.5	10.7	11.7	0.1	328.7	328.6	0.1	1.0	0.0 350	
33.0	85.0	1690.5	326.0	-63.0	-51.6	269.7	10.9	13.0	0.2	328.1	328.6	0.1	1.0	0.0 350	
33.6	86.0	1614.1	320.0	-64.0	-52.3	269.0	10.9	13.0	0.2	327.6	328.3	0.1	1.0	0.0 350	
34.0	87.0	1537.7	314.0	-65.0	-53.0	269.6	10.5	11.5	0.1	327.7	327.2	0.1	1.0	0.0 350	
34.6	88.0	1461.3	308.0	-66.0	-53.7	263.0	10.6	11.5	1.2	326.0	328.6	0.1	1.0	0.0 350	
35.0	89.0	1384.9	302.0	-67.0	-54.4	297.5	11.0	11.0	2.4	325.3	329.9	0.0	1.0	0.0 350	
35.6	90.0	1308.5	296.0	-68.0	-55.1	253.9	11.0	11.0	3.2	325.3	329.9	0.0	1.0	0.0 350	
36.0	91.0	1232.1	291.0	-69.0	-55.8	253.1	11.3	11.0	3.3	324.4	329.9	0.0	1.0	0.0 350	
36.6	92.0	1155.7	285.0	-70.0	-56.5	280.0	11.0	13.0	2.4	334.0	329.9	0.0	1.0	0.0 350	
37.0	93.0	1079.3	279.0	-71.0	-57.2	257.4	11.0	11.0	1.9	335.0	329.9	0.0	1.0	0.0 350	
37.6	94.0	1002.9	274.0	-72.0	-57.9	240.3	11.4	11.3	1.0	335.0	329.9	0.0	1.0	0.0 350	
38.0	95.0	926.5	268.0	-73.0	-58.6	201.0	12.3	12.1	1.0	330.0	329.9	0.0	1.0	0.0 350	

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

ORIGINAL PAGE IS  
OF POOR QUALITY

Table 5. Continued.

STATION NO. 229  
CENTREVILLE, ALABAMA

9 MAY 1100 GMT 1979

TIME MIN	CHRY	WIGHT UPN	PRES MB	TEMP DG C	DEW PT UG C	DIM DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E PUT T DG K	MI RTO GM/EG	RM PCT	RANGE KM	AZ DG
34.2	96.7	1340.1	263.0	-42.3	99.9	261.2	13.7	11.0	2.1	330.0	999.9	99.9	999.9	0.0	52
34.7	97.2	1339.6	259.0	-43.0	99.9	260.2	13.5	13.3	2.6	330.0	999.9	99.9	999.9	0.4	53
35.3	98.0	1378.1	252.0	-43.5	99.9	258.4	16.8	16.5	3.1	340.7	999.9	99.9	999.9	9.9	55
35.8	99.2	1362.6	247.0	-46.6	99.9	258.9	17.3	17.0	3.3	341.0	999.9	99.9	999.9	9.4	56
46.3	103.3	1315.2	242.0	-45.4	99.9	250.4	17.8	17.4	3.6	341.7	999.9	99.9	999.9	9.9	57
47.8	101.2	1118.1	237.0	-46.7	99.9	250.2	18.2	17.6	3.7	341.0	999.9	99.9	999.9	12.4	58
48.6	101.3	1127.2	232.0	-47.7	99.9	258.0	18.4	19.0	3.8	342.4	999.9	99.9	999.9	11.0	59
49.3	103.3	1142.6	227.0	-49.3	99.9	256.9	18.8	19.3	4.3	342.5	999.9	99.9	999.9	11.4	60
49.5	106.5	1105.6	222.0	-49.8	99.9	255.5	19.4	19.8	4.8	343.5	999.9	99.9	999.9	12.2	61
50.2	107.7	1117.2	217.0	-51.1	99.9	255.5	18.4	17.8	4.6	343.7	999.9	99.9	999.9	12.8	62
50.5	108.0	1117.9	213.0	-52.6	99.9	254.9	17.7	17.1	4.6	343.6	999.9	99.9	999.9	13.4	62
50.8	107.3	1121.1	209.0	-53.3	99.9	254.6	17.6	17.0	4.7	344.5	999.9	99.9	999.9	13.9	63
51.1	107.3	1121.1	209.0	-53.3	99.9	254.6	17.6	17.0	4.7	344.5	999.9	99.9	999.9	14.4	63
51.5	109.2	1217.5	203.0	-54.4	99.9	258.1	16.2	15.7	3.9	345.2	999.9	99.9	999.9	14.9	64
51.8	109.2	1217.5	203.0	-54.4	99.9	258.1	16.2	15.7	3.9	345.2	999.9	99.9	999.9	15.4	64
52.2	109.2	1217.5	199.0	-55.5	99.9	258.4	16.1	16.0	3.8	345.4	999.9	99.9	999.9	15.9	65
52.7	109.2	1217.5	195.0	-56.3	99.9	259.6	16.7	16.5	2.7	346.1	999.9	99.9	999.9	16.2	65
53.2	111.2	1256.5	190.0	-57.1	99.9	259.5	13.8	13.4	2.5	347.3	999.9	99.9	999.9	16.9	65
53.4	112.3	1272.9	186.0	-58.0	99.9	254.3	12.0	11.6	3.3	348.1	999.9	99.9	999.9	17.1	65
53.6	113.3	1231.7	182.0	-58.5	99.9	248.3	12.9	11.4	5.5	349.5	999.9	99.9	999.9	17.7	65
53.7	113.3	1231.7	182.0	-58.5	99.9	248.3	12.9	11.4	5.5	349.5	999.9	99.9	999.9	18.2	65
54.0	115.3	1313.4	178.0	-58.8	99.9	240.3	15.3	13.3	7.6	351.1	999.9	99.9	999.9	18.7	65
54.3	115.3	1313.4	173.0	-59.2	99.9	241.6	17.8	15.6	8.4	352.3	999.9	99.9	999.9	19.1	65
54.7	117.7	1315.6	167.0	-59.2	99.9	246.2	17.6	16.1	7.1	354.1	999.9	99.9	999.9	19.2	65
55.2	119.7	1315.6	166.0	-60.0	99.9	252.4	18.0	17.2	9.5	356.2	999.9	99.9	999.9	19.5	65
55.2	119.7	1315.6	166.0	-60.0	99.9	252.4	18.0	17.2	9.5	356.2	999.9	99.9	999.9	19.5	65
55.7	121.2	1327.7	162.0	-60.4	99.9	255.7	19.3	18.7	4.8	356.1	999.9	99.9	999.9	20.1	66
55.7	121.2	1327.7	162.0	-60.4	99.9	255.7	19.3	18.7	4.8	356.1	999.9	99.9	999.9	20.7	66
56.1	123.2	1323.4	158.0	-61.3	99.9	256.1	18.0	17.5	4.3	360.0	999.9	99.9	999.9	21.3	66
56.1	123.2	1323.4	158.0	-61.3	99.9	256.1	18.0	17.5	4.3	360.0	999.9	99.9	999.9	21.9	66
56.8	121.2	1319.5	150.0	-62.6	99.9	255.0	17.8	17.2	4.6	362.3	999.9	99.9	999.9	21.9	66
57.4	122.0	1421.2	146.0	-63.1	99.9	255.0	17.4	16.9	4.5	364.2	999.9	99.9	999.9	21.9	67
57.4	123.7	1433.5	143.0	-63.9	99.9	255.7	17.9	17.4	4.4	365.0	999.9	99.9	999.9	22.4	67
58.5	126.3	1451.5	137.0	-63.5	99.9	255.4	19.6	19.0	4.9	368.0	999.9	99.9	999.9	23.1	67
58.5	126.3	1451.5	137.0	-63.5	99.9	255.4	19.6	19.0	4.9	368.0	999.9	99.9	999.9	23.8	67
58.8	125.3	1410.6	135.0	-63.7	99.9	255.7	18.1	18.5	4.7	371.8	999.9	99.9	999.9	24.2	67
59.7	127.2	1471.5	129.0	-64.1	99.9	254.9	20.8	19.4	5.4	375.6	999.9	99.9	999.9	25.1	68
59.7	127.2	1471.5	129.0	-64.1	99.9	254.9	20.8	19.4	5.4	375.6	999.9	99.9	999.9	25.8	68
59.9	129.0	1516.5	125.0	-64.9	99.9	254.9	21.2	20.5	5.5	379.3	999.9	99.9	999.9	26.5	68
59.9	129.0	1516.5	125.0	-64.9	99.9	254.9	21.2	20.5	5.5	379.3	999.9	99.9	999.9	27.2	68
59.9	129.0	1516.5	122.0	-65.9	99.9	257.6	20.3	19.8	4.4	382.0	999.9	99.9	999.9	27.2	68
59.9	129.0	1516.5	122.0	-65.9	99.9	257.6	20.3	19.8	4.4	382.0	999.9	99.9	999.9	27.2	68
59.9	131.2	1562.5	116.0	-66.1	99.9	271.9	19.0	19.1	1.9	384.7	999.9	99.9	999.9	28.5	69
59.9	131.2	1562.5	116.0	-66.1	99.9	271.9	19.0	19.1	1.9	384.7	999.9	99.9	999.9	28.5	69
59.9	131.2	1562.5	112.0	-66.3	99.9	277.8	17.7	17.6	-2.4	394.7	999.9	99.9	999.9	29.4	70
59.9	131.2	1562.5	112.0	-66.3	99.9	277.8	17.7	17.6	-2.4	394.7	999.9	99.9	999.9	29.4	70
59.9	131.2	1562.5	109.0	-66.2	99.9	271.2	15.6	15.2	-3.5	382.0	999.9	99.9	999.9	29.4	70
59.9	131.2	1562.5	109.0	-66.2	99.9	271.2	15.6	15.2	-3.5	382.0	999.9	99.9	999.9	29.4	70
59.9	131.2	1562.5	106.0	-66.0	99.9	267.9	13.6	12.9	-0.2	393.6	999.9	99.9	999.9	29.7	71
59.9	131.2	1562.5	106.0	-66.0	99.9	267.9	13.6	12.9	-0.2	393.6	999.9	99.9	999.9	29.7	71
59.9	131.2	1562.5	103.0	-66.8	99.9	280.9	13.0	11.3	-3.9	395.3	999.9	99.9	999.9	30.3	72
59.9	131.2	1562.5	103.0	-66.8	99.9	280.9	13.0	11.3	-3.9	395.3	999.9	99.9	999.9	30.3	72
59.9	131.2	1562.5	100.0	-67.2	99.9	284.7	10.8	9.7	-2.5	397.9	999.9	99.9	999.9	30.7	72
59.9	131.2	1562.5	100.0	-67.2	99.9	284.7	10.8	9.7	-2.5	397.9	999.9	99.9	999.9	30.7	72
59.9	131.2	1562.5	97.0	-67.6	99.9	271.2	9.0	9.0	1.1	404.2	999.9	99.9	999.9	30.9	72
59.9	131.2	1562.5	97.0	-67.6	99.9	271.2	9.0	9.0	1.1	404.2	999.9	99.9	999.9	30.9	72
59.9	131.2	1562.5	96.0	-67.6	99.9	262.4	8.0	7.0	1.5	407.1	999.9	99.9	999.9	30.9	72
59.9	131.2	1562.5	96.0	-67.6	99.9	262.4	8.0	7.0	1.5	407.1	999.9	99.9	999.9	30.9	72
59.9	131.2	1562.5	92.0	-67.4	99.9	273.9	7.3	7.2	1.4	409.7	999.9	99.9	999.9	31.2	72
59.9	131.2	1562.5	92.0	-67.4	99.9	273.9	7.3	7.2	1.4	409.7	999.9	99.9	999.9	31.2	72
59.9	131.2	1562.5	89.0	-68.0	99.9	261.5	9.6	9.4	1.4	409.7	999.9	99.9	999.9	31.2	72
59.9	131.2	1562.5	89.0	-68.0	99.9	261.5	9.6	9.4	1.4	409.7	999.9	99.9	999.9	31.2	72

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

Table 5. Concluded.

STATION NO. 229 CENTREVILLE, ALABAMA															
9 MAY 1979 1100 GMT															
TIME M/N	CHTCT	WEIGHT GPM	PMES MS	TEMP DG C	DEA 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	HE RTO GM/KG	RM PCT	RANGE M	AZ DG
03.0	141.0	17022.2	86.0	-08.3	99.9	266.1	10.1	10.1	0.7	413.3	999.9	99.9	999.9	31.6	72.
04.3	142.0	17065.1	83.0	-08.7	99.9	268.5	9.9	9.9	0.6	416.7	999.9	99.9	999.9	32.0	73.
06.9	143.0	17791.6	81.0	-08.0	99.9	268.0	10.2	10.1	0.9	420.9	999.9	99.9	999.9	32.6	73.
09.7	143.0	18017.7	78.0	-08.0	99.9	270.0	11.9	11.9	-1.0	423.7	999.9	99.9	999.9	32.0	73.
06.4	143.0	18222.3	78.0	-08.9	99.9	270.3	11.4	10.5	-0.5	428.5	999.9	99.9	999.9	32.3	73.
07.1	146.0	18114.1	73.0	-08.9	99.9	299.5	9.0	7.9	-0.4	431.0	999.9	99.9	999.9	32.6	76.
07.0	147.0	18615.9	70.0	-07.6	99.9	287.0	6.2	5.9	-1.0	439.7	999.9	99.9	999.9	33.9	74.
04.5	148.0	18338.5	67.0	-06.2	99.9	282.5	3.0	2.9	-0.7	438.3	999.9	99.9	999.9	34.1	74.
04.2	149.0	18116.7	65.0	-05.0	99.9	289.5	3.4	3.4	0.0	450.0	999.9	99.9	999.9	34.1	74.
7.0	150.0	18004.0	62.0	-03.3	99.9	279.6	2.2	2.2	-0.2	450.0	999.9	99.9	999.9	34.4	74.
7.9	151.0	18096.4	60.0	-01.5	99.9	18.7	3.3	-0.8	-3.2	473.3	999.9	99.9	999.9	34.3	75.
7.7	152.0	18224.3	57.0	-01.6	99.9	38.3	5.3	-1.1	-0.3	479.9	999.9	99.9	999.9	34.2	75.
7.7	153.0	20183.1	55.0	-02.6	99.9	2.6	2.3	-1.1	-2.3	482.7	999.9	99.9	999.9	33.9	75.
7.5	154.0	20490.8	52.0	-07.9	99.9	27.4	1.7	-0.8	-1.5	489.7	999.9	99.9	999.9	34.0	75.
7.5	155.0	20733.7	50.0	-00.6	99.9	61.3	4.3	-1.7	-2.0	500.0	999.9	99.9	999.9	33.7	75.
7.5	156.0	21119.4	47.0	-00.0	99.9	63.7	6.7	-0.0	-2.9	511.0	999.9	99.9	999.9	33.5	76.
7.1	157.0	21121.3	45.0	-02.3	99.9	63.3	6.3	-7.4	-3.7	519.1	999.9	99.9	999.9	32.0	76.
7.4	158.0	21027.1	42.0	-05.7	99.9	18.7	8.7	-2.0	-0.2	538.5	999.9	99.9	999.9	32.7	76.
7.4	159.0	22139.6	40.0	-06.7	99.9	37.4	13.6	-8.3	-10.8	548.5	999.9	99.9	999.9	32.1	77.
7.7	160.0	22616.0	37.0	-06.0	99.9	70.1	10.0	-9.0	-3.4	557.6	999.9	99.9	999.9	31.5	78.
7.7	161.0	22730.5	35.0	-06.7	99.9	86.0	6.9	-6.0	-0.5	569.0	999.9	99.9	999.9	30.7	78.
8.3	162.0	23559.0	32.0	-00.8	99.9	80.1	6.3	-6.2	-1.1	593.0	999.9	99.9	999.9	30.3	78.
8.7	163.0	23720.3	30.0	-04.8	99.9	75.7	6.0	-5.8	-1.5	609.0	999.9	99.9	999.9	29.7	78.
8.3	164.0	24536.4	27.0	-06.7	99.9	81.8	6.4	-6.4	-0.3	636.2	999.9	99.9	999.9	29.2	78.
8.1	165.0	25058.6	24.0	-06.1	99.9	91.6	5.3	-5.3	0.2	659.7	999.9	99.9	999.9	28.6	77.
9.3	166.0	26095.9	22.0	-05.6	99.9	83.3	4.4	-4.4	-0.5	678.0	999.9	99.9	999.9	27.7	77.
9.2	167.0	27025.0	19.0	-04.7	99.9	67.0	2.0	-2.0	-1.1	709.6	999.9	99.9	999.9	27.4	77.
9.6	168.0	28176.6	16.0	-04.0	99.9	132.9	2.2	-1.6	-1.5	747.7	999.9	99.9	999.9	27.1	77.
9.6	169.0	29576.4	14.0	-02.6	99.9	358.1	2.4	0.1	-2.4	798.2	999.9	99.9	999.9	27.1	77.
10.0	170.0	31356.5	10.0	-39.9	99.9	999.9	99.9	99.9	99.9	870.7	999.9	99.9	999.9	999.9	999.9

Table 6. Explanation of column headings of tabulated sounding data for the AVE-SESAME IV experiment.

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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 (DG C)	Ambient temperature in degrees Celsius. NOTE: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DG C)	Dew-point temperature in degrees Celsius.
DIR (DG)	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 $10^{\circ}$ and $6^{\circ}$ . A double asterisk indicates that the elevation angle is less than $6^{\circ}$ .
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 (DG K)	Potential temperature in degrees Kelvin.
E POT T (DG 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 (DG)	Direction toward balloon measured clockwise from true north.

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Table 7. Soundings missing or terminated before completion (100 mb)

Station	Date/GMT	Explanation	Last Pressure Coded (mb)	
Ada, OK (020)	10/0600	Balloon descending	128	
	10/1200	Ground equipment failure	444	
Altus, OK (021)	10/0900	Balloon burst	113	
Canadian, TX (022)	10/0000	Flight equipment failure	826	
	10/0300	Equipment failure		
	10/0600	Equipment failure		
	10/0900	Flight equipment failure	632	
	10/1200	Flight equipment failure	195	
Cheyenne, OK (023)	10/0300	Balloon burst	173	
	10/1200	Balloon burst	116	
Chickasha, OK (024)	9/2100	Balloon burst	104	
Childress, TX (025)	9/1200	Instrument cut off too early	173	
	9/1500	Coder failed to record last contact	103	
	9/1800	Fading signal	122	
	9/2100	Fading signal	346	
	10/0000	Ground equipment failure	301	
	10/0600	Ground equipment failure	119	
	10/0900	Ground equipment failure	761	
	10/1200	Equipment failure		
	Clinton Sherman, OK (026)	10/0600	Equipment failure	
		10/0900	Fading signal	213
10/1200		Fading signal	718	
Ft. Sill, OK (028)	9/1500	Fading signal	244	
	9/1800	Pen arm shift	146	
	10/0000	Fading signal	109	
	10/0300	Fading signal	349	

Table 7. Continued.

Station	Date/GMT	Explanation	Last Pressure Coded (mb)
Gage, OK (029)	10/0000	Flight equipment failure	527
	10/0300	Equipment failure	
	10/0600	Equipment failure	
	10/0900	Fading signal	146
	10/1200	Instrument cut off too early	174
Healdton, OK (030)	10/0900	Fading signal; flight equipment failure	155
Hennessey, OK (031)	9/1500	Balloon burst	647
	10/0000	Balloon burst	126
	10/0300	Fading signal	122
	10/0600	Balloon burst	103
	10/0900	Fading signal	386
	10/1200	Ground equipment failure	819
Hinton, Ok (032)	10/0300	Descending balloon	152
	10/0600	Instrument cut off too early	103
KTVY, OK (033)	9/1200	Fading signal	174
	9/1500	Local interference	166
	9/1000	Instrument cut off too early	117
	9/2100	Local interference from another sonde	169
	10/000	Instrument cut off too early	119
	10/0300	Flight equipment failure	174
	10/0600	Flight equipment failure	157
	10/0900	Balloon burst	169
Mountain View, OK (034)	9/1200	Fading signal	110
	9/1500	Fading signal	135
	9/1800	Fading signal	279
	9/2100	Fading signal	221
	10/0900	Balloon burst	122
Norman, OK (035)	No soundings were taken		

Table 7. Concluded.

Station	Date/GMT	Explanation	Last Pressure Coded (mb)
Seiling, OK (036)	9/1500	Sounding not taken	
	10/1800	Sounding not taken	
	10/0300	Icing	318
	10/0600	Icing	104
	10/0800	Sounding not taken	
	10/1100	Sounding not taken	
Shamrock, TX (037)	9/1500	Lost reference	192
	10/0300	Balloon burst	136
	10/0600	Instrument cut off too early	616
Wichita Falls, TX (039)	10/0600	Flight equipment failure	552
Midland, TX (265)	10/0600	Radiosonde failure; launched in TRW	576
Oklahoma City, OK (354)	9/1200	Radiosonde failure; temperature shift	255
	9/2100	Interference; leaking balloon	178
	10/0600	Fading signal	325
	10/0900	Pen not working properly	218
	10/1200	Radiosonde failure	458
Salem, IL (433)	Soundings were only taken during normally scheduled NWS launch times (09/1200, 10/0000, 10/1200)		
Dodge City, KS (451)	10/0300	Balloon burst	117
Topeka, KS (456)	10/0600	Balloon burst	149
Denver, CO 9469)	9/2100	Radiosonde failure	275
Peoria, IL (532)	10/0000	Radiosonde failure	198



Table 8. List of soundings with abnormal characteristics.

Station	Date/Time (GMT)	Questionable Data
Ada, OK (020)	09/1200	Heights 35m low at 200 mb; TMQ-5 calibration problems
Ada, OK (020)	09/1800	Heights 40m low at 200 mb
Cheyenne, OK (023)	09/1200	Heights 50m high at 200 mb
Cheyenne, OK (023)	09/1500	Heights 20m high at 500 mb; 90m high at 200 mb
Cheyenne, OK (023)	09/1000	Heights 30m high at 500 mb; 120m high at 200 mb. Radiosonde did not pass psychometric test.
Cheyenne, OK (023)	09/1200	Heights 25m high at 500 mb; 130m high at 200 mb. Sonde did not pass psychometric test.
Cheyenne, OK (023)	10/0300	Heights 40m high at 200 mb
Cheyenne, OK (023)	10/0600	Heights 80m high at 200 mb
Cheyenne, OK (023)	10/1200	Heights 110m high at 200 mb
Elmore City, OK (027)	10/0000	Heights 25m low at 500 mb; 30m low at 200 mb.
Mountain View, OK (034)	10/1200	Heights 20m high at 500 mb; 40m high at 200 mb
Shamrock, TX (037)	09/2100	Heights 40m high at 200 mb
Shamrock, TX (037)	10/0300	Heights 40m high at 200 mb
Wichita Falls, TX (039)	10/0000	Heights 100m high at 200 mb
Jackson, MS (235)	09/2100	Baroswitch pressure calibration suspect. Heights 25m high at 500 mb, 70m high at 200 mb
Stephenville, TX (260)	10/0600	Heights 20m high at 500 mb; 40m high at 200 mb.

inaccurate geopotential heights are subject to error (Fuelberg, 1974). All other soundings which contain data of high quality are presented in Appendix I.

It was necessary to adjust surface pressures at some of the special stations, due to apparent barometer calibration differences. The corrections, supplied by NSSL, are listed in Table 9.

Table 10 contains a list of soundings that experienced rather large variations in balloon rise rate. The identification of these soundings is somewhat arbitrary but based on variations in the number of pressure contacts per minute. These soundings may have been made in or near thunderstorms. Caution should be exercised in their use.

Table 9. Corrections to surface pressure supplied by NSSL and used in processing the AVE-SESAME IV data.

Station	Correction (mb)
Altus, OK (021)	+ 1.4
Cheyenne, OK (023)	+ 0.7
Gage, OK (029)	- 1.8
Hinton, OK (032)	- 0.6
KTVY, OKC (033)	+ 1.7
Shamrock, TX (037)	+ 2.5
Wichita Falls, TX (039)	+ 1.7

Table 10. Soundings with relatively large variations in balloon rise rate.

Station	Date/GMT
Canadian, TX (022)	10/0000
Gage, OK (029)	10/0000
Shamrock, TX (037)	10/0600
Midland, TX (265)	10/0600
Dodge City, KS (451)	10/0300
Dodge City, KS (451)	10/0600

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APPENDIX I  
AVE-SESAME IV Sounding Data  
of Unquestionable Validity  
Presented at 25-mb Intervals

STATION NO. 10030  
HEALDFON, OKLAHOMA

9 MAY 1979  
1235 GMT

TIME	CHTC	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MR RTO	RM	RANGE	AZ
MIN		GN	MB	DC C	DC C	DG	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	RM	DEG
00.0	9.1	271.0	971.3	23.0	15.4	150.0	7.7	-3.9	0.7	290.4	326.4	11.4	71.0	0.0	0.
00.9	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	999.9
01.8	99.9	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02.7	11.1	482.8	950.0	19.5	14.8	999.9	99.9	99.9	99.9	297.0	326.6	11.2	74.1	999.9	999.9
03.6	12.9	712.4	925.0	17.5	15.0	999.9	99.9	99.9	99.9	297.2	328.2	11.7	85.3	999.9	999.9
04.5	15.7	946.4	900.0	15.5	14.4	999.9	99.9	99.9	99.9	297.5	328.1	11.5	92.8	1.3	350.
05.4	18.4	1185.5	875.0	13.7	12.8	100.0	21.4	3.7	21.1	298.0	326.5	10.7	94.0	2.3	358.
06.3	21.1	1430.0	850.0	12.4	11.5	193.2	23.5	5.4	22.9	299.2	326.4	10.1	94.2	3.6	3.
07.2	23.8	1667.2	825.0	11.9	-36.6	193.6	21.7	5.8	20.9	311.7	312.4	0.2	1.0	0.9	5.
08.1	26.5	1908.0	800.0	11.1	-37.0	203.6	21.1	8.1	19.4	313.7	314.4	0.2	1.0	0.1	0.
09.0	29.2	2149.0	775.0	10.7	-38.5	203.2	20.5	8.7	18.5	314.0	314.6	0.2	1.0	7.3	10.
10.0	31.0	2407.7	750.0	10.6	-39.7	208.8	19.2	8.7	17.1	314.7	315.2	0.2	1.0	8.3	12.
10.9	33.6	2787.2	725.0	10.4	-40.5	999.9	99.9	99.9	99.9	316.3	316.9	0.2	1.0	999.9	999.9
11.8	36.3	3282.6	700.0	10.0	-37.9	999.9	99.9	99.9	99.9	316.9	317.7	0.2	1.0	999.9	999.9
12.7	39.1	3785.9	675.0	10.0	-28.2	999.9	99.9	99.9	99.9	316.8	318.7	0.6	0.8	999.9	999.9
13.6	41.9	4287.5	650.0	7.3	-25.7	999.9	99.9	99.9	99.9	317.2	319.7	0.7	7.4	999.9	999.9
14.5	44.7	4790.2	625.0	6.3	-26.5	999.9	99.9	99.9	99.9	317.4	319.8	0.7	8.4	999.9	999.9
15.4	47.4	5293.3	600.0	1.1	-25.2	999.9	99.9	99.9	99.9	317.4	320.1	0.8	11.8	999.9	999.9
16.3	50.2	5796.4	575.0	-2.5	-30.0	999.9	99.9	99.9	99.9	317.1	319.8	0.5	9.5	999.9	999.9
17.2	53.0	6299.2	550.0	-4.8	-30.9	999.9	99.9	99.9	99.9	318.4	320.9	99.9	999.9	999.9	999.9
18.1	55.8	6802.1	525.0	-7.3	-30.9	999.9	99.9	99.9	99.9	319.4	322.0	99.9	999.9	999.9	999.9
19.0	58.6	7305.0	500.0	-10.0	-30.9	999.9	99.9	99.9	99.9	320.0	322.4	99.9	999.9	999.9	999.9
20.0	61.4	7807.5	475.0	-12.7	-34.0	999.9	99.9	99.9	99.9	322.3	322.4	0.0	1.0	999.9	999.9
20.9	64.2	8310.0	450.0	-16.1	-40.1	499.9	99.9	99.9	99.9	323.0	323.1	0.0	1.0	19.9	21.
21.8	67.0	8812.3	425.0	-19.1	-62.0	213.2	8.2	4.7	8.7	324.6	324.6	0.0	1.0	20.8	22.
22.7	70.4	9314.6	400.0	-23.1	-64.7	218.7	6.8	3.9	5.6	324.9	325.0	0.0	1.0	21.3	22.
23.6	73.4	9816.9	375.0	-26.7	-67.0	218.3	9.2	5.7	7.3	326.3	326.4	0.0	1.0	22.1	22.
24.5	76.1	10319.1	350.0	-30.0	-69.1	230.5	12.3	9.5	7.8	328.4	328.4	0.0	1.0	23.3	24.
25.4	78.9	10821.1	325.0	-33.4	-71.4	225.9	13.9	10.0	9.7	330.7	330.7	0.0	1.0	25.0	26.
26.3	81.7	11323.0	300.0	-38.3	-65.6	228.1	13.4	9.0	9.9	331.4	331.5	0.0	1.0	27.0	27.
27.2	84.5	11824.9	275.0	-43.4	-60.9	230.1	13.3	10.2	8.5	332.4	332.4	9.9	999.9	28.8	28.
28.1	87.3	12326.8	250.0	-47.9	-60.9	229.5	12.5	9.5	6.1	334.9	334.9	9.9	999.9	30.8	30.
29.0	90.1	12828.7	225.0	-53.2	-60.9	230.8	10.2	12.2	7.4	337.1	337.1	9.9	999.9	32.8	31.
29.9	92.9	13330.6	200.0	-59.3	-60.9	248.3	17.3	15.9	7.0	338.0	338.0	9.9	999.9	35.0	33.
30.8	95.7	13832.5	175.0	-66.4	-60.9	241.3	20.0	18.2	10.0	336.0	336.0	9.9	999.9	38.4	36.
31.7	98.5	14334.4	150.0	-60.2	-60.9	231.1	21.4	16.8	13.6	366.4	366.4	9.9	999.9	42.7	39.
32.6	101.3	14836.3	125.0	-62.4	-60.9	233.1	22.4	17.9	13.4	337.1	337.1	9.9	999.9	48.8	40.
33.5	104.1	15338.2	100.0	-63.9	-60.9	999.9	99.9	99.9	99.9	406.2	406.2	9.9	999.9	999.9	999.9
34.4	106.9	15840.1	75.0	-69.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
35.3	109.7	16342.0	50.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
36.2	112.5	16843.9	25.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
37.1	115.3	17345.8	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
38.0	118.1	17847.7	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
38.9	120.9	18349.6	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
39.8	123.7	18851.5	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
40.7	126.5	19353.4	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
41.6	129.3	19855.3	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
42.5	132.1	20357.2	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
43.4	134.9	20859.1	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
44.3	137.7	21361.0	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
45.2	140.5	21862.9	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
46.1	143.3	22364.8	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
47.0	146.1	22866.7	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
47.9	148.9	23368.6	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
48.8	151.7	23870.5	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
49.7	154.5	24372.4	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
50.6	157.3	24874.3	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
51.5	160.1	25376.2	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
52.4	162.9	25878.1	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
53.3	165.7	26380.0	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
54.2	168.5	26881.9	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
55.1	171.3	27383.8	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
56.0	174.1	27885.7	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
56.9	176.9	28387.6	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
57.8	179.7	28889.5	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
58.7	182.5	29391.4	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
59.6	185.3	29893.3	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
60.5	188.1	30395.2	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
61.4	190.9	30897.1	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
62.3	193.7	31399.0	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
63.2	196.5	31900.9	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
64.1	199.3	32402.8	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
65.0	202.1	32904.7	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
65.9	204.9	33406.6	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
66.8	207.7	33908.5	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
67.7	210.5	34410.4	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9
68.6	213.3	34912.3	0.0	-99.9	-60.9	999.9	99.9	99.9	99.9	999.9	999.9	9.9	999.9	999.9	999.9



STATION NO. 229  
CENTERVILLE, ALABAMA

9 MAY 1979  
1005 GMT

101 15. 0

TIME M/JN	CHTCY	HEIGHT GPH	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	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.0	140.0	997.5	22.4	19.9	130.0	4.1	-3.1	2.6	295.0	330.5	14.9	80.0	0.0	0.
99.9	99.9	1000.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0
0.7	6.7	338.0	975.0	20.6	19.1	133.0	9.1	-5.7	6.2	295.0	333.6	14.5	91.5	0.2	313.
1.5	11.1	563.6	950.0	19.3	18.2	139.2	7.7	-5.0	5.8	296.0	333.5	14.1	93.0	0.7	312.
2.5	13.5	792.9	925.0	17.3	16.3	137.2	8.0	-5.8	7.4	297.0	330.4	12.7	94.0	1.1	316.
3.5	15.9	1027.4	900.0	16.5	15.6	137.0	9.3	-5.0	7.8	298.5	331.5	12.5	95.4	1.6	321.
4.3	18.4	1267.4	875.0	16.0	13.7	139.8	6.3	-5.2	7.2	299.2	329.6	11.4	92.9	2.1	323.
5.3	23.9	1512.8	850.0	13.6	12.6	152.0	8.4	-3.9	7.4	300.4	329.6	10.9	93.2	2.5	324.
6.1	21.3	1765.6	825.0	12.2	10.9	156.5	6.4	-3.6	7.6	301.5	328.6	10.0	92.0	3.0	325.
7.1	25.0	2022.5	800.0	10.7	9.5	158.0	8.5	-3.2	7.9	302.6	328.3	9.4	92.3	3.5	327.
8.0	28.5	2287.0	775.0	9.9	7.7	152.0	8.5	-3.2	7.5	303.6	327.1	8.6	92.0	4.0	328.
9.0	31.1	2552.3	750.0	10.1	4.1	139.6	6.1	-3.2	6.1	307.6	327.1	8.9	88.4	4.4	328.
10.1	33.7	2811.1	725.0	8.6	3.1	137.7	7.0	-3.7	5.2	308.9	327.9	6.6	88.2	4.9	327.
11.2	35.4	3131.2	700.0	7.3	2.0	131.2	7.0	-3.4	6.2	310.5	329.9	6.7	73.2	5.4	326.
12.3	39.2	3429.8	675.0	5.2	-0.1	156.1	6.7	-2.7	6.1	314.4	327.9	3.7	68.9	5.8	327.
13.1	42.0	3737.7	650.0	3.7	-4.8	157.0	4.1	-1.6	3.8	313.2	329.6	4.1	51.8	6.2	328.
14.5	48.9	4058.0	625.0	2.1	-8.5	153.7	2.2	0.1	2.2	314.9	328.8	3.2	45.3	6.4	328.
15.7	47.4	4345.4	600.0	-0.0	-19.0	216.9	1.1	0.7	0.9	316.1	320.7	1.4	22.5	6.4	329.
16.7	50.7	4725.2	575.0	-1.1	-50.6	314.3	2.6	1.9	-1.8	318.7	318.9	0.1	1.0	6.4	329.
18.2	53.8	5077.4	550.0	-2.9	-51.8	322.7	4.4	2.7	-3.5	320.6	320.9	0.1	1.0	6.1	330.
19.4	56.9	5445.4	525.0	-4.8	-53.0	308.4	4.4	3.0	-2.9	322.7	322.9	0.1	1.0	5.7	330.
21.0	60.0	5825.6	500.0	-7.7	-54.8	294.4	5.0	4.6	-2.1	323.7	323.9	0.0	1.0	5.4	332.
22.4	63.3	6222.7	475.0	-10.3	-56.5	277.5	6.7	6.0	-0.9	325.2	325.4	0.0	1.0	5.1	337.
24.0	65.6	6635.9	450.0	-14.1	-58.9	276.5	7.5	7.5	-0.9	325.2	325.4	0.0	1.0	4.8	344.
25.7	70.1	7060.2	425.0	-18.1	-61.4	282.1	5.8	5.8	0.8	325.4	325.4	0.0	1.0	4.6	352.
27.3	73.6	7510.1	400.0	-21.7	-63.7	285.7	4.9	4.4	2.0	326.9	326.9	0.0	1.0	4.7	358.
28.9	77.3	7987.6	375.0	-25.7	-65.4	293.5	5.4	5.2	1.5	327.7	327.7	0.0	1.2	4.9	4.
30.8	81.2	8483.0	350.0	-30.5	-69.3	295.0	5.8	5.3	2.5	327.6	328.0	0.0	12.0	5.1	10.
32.6	85.2	9005.4	325.0	-35.4	-71.1	297.5	6.8	7.2	4.6	327.9	328.5	0.2	25.6	5.7	15.
34.6	89.3	9553.7	300.0	-40.4	99.4	284.4	11.0	9.9	4.7	328.5	99.9	99.9	99.9	3.5	22.
36.7	93.7	10150.6	275.0	-40.3	99.9	250.3	14.3	13.4	4.8	330.9	99.9	99.9	99.9	7.0	31.
39.1	98.4	10797.0	250.0	-43.8	99.9	256.3	16.0	15.6	3.8	341.0	99.9	99.9	99.9	9.5	40.
41.5	103.4	11495.4	225.0	-49.7	99.9	259.6	15.4	15.1	2.8	362.3	99.9	99.9	99.9	11.4	47.
44.1	108.8	12257.3	200.0	-55.1	99.9	247.1	12.8	11.0	5.0	365.6	99.9	99.9	99.9	13.4	52.
46.9	116.5	13101.4	175.0	-59.2	99.9	249.2	15.9	14.9	5.7	352.2	99.9	99.9	99.9	15.7	54.
50.2	120.8	14065.4	150.0	-60.0	99.9	246.7	15.7	14.4	6.2	366.7	99.9	99.9	99.9	18.7	57.
53.9	127.8	15193.2	125.0	-63.1	99.9	238.2	18.5	18.1	3.8	380.7	99.9	99.9	99.9	22.4	59.
58.4	135.5	16553.1	100.0	-66.1	99.9	231.9	11.7	11.7	-0.4	400.1	99.9	99.9	99.9	25.9	62.
63.7	144.0	18270.8	75.0	-67.8	99.9	230.0	7.7	6.2	4.5	431.2	99.9	99.9	99.9	29.2	64.
71.3	153.3	20785.9	50.0	-59.2	99.9	199.1	5.0	-0.7	1.6	504.1	99.9	99.9	99.9	29.0	65.
83.0	162.3	25240.6	25.0	-48.2	99.9	94.2	7.6	-7.6	0.6	646.6	99.9	99.9	99.9	25.2	64.

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



STATION NO. 229  
CENTERVILLE, ALABAMA

9 MAY 1979  
1705 GMT

156 26. 0

TIME MIN	ENTRT	HEIGHT GPH	PRES MB	TEMP DS C	DEW PT UG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E PUT T DG K	MA RTD GM/KG	RM PCT	RANGE KM	AZ DG
3.0	6.7	160.3	997.6	23.6	21.5	160.0	3.1	-1.1	2.9	297.0	330.7	16.4	68.0	0.3	0.
00.9	99.9	100.0	999.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.7	4.8	163.6	995.0	21.7	20.5	163.2	3.3	-0.9	3.2	297.0	330.1	15.8	92.7	0.1	365.
1.4	8.9	165.0	995.0	19.5	18.3	150.3	5.9	-2.4	5.4	296.9	331.0	14.1	93.1	0.3	340.
2.4	13.3	175.0	992.0	19.1	18.5	150.4	7.2	-2.5	6.7	297.8	331.8	12.9	93.2	0.7	330.
3.2	15.6	193.0	992.0	17.4	15.0	152.5	8.1	-2.6	7.7	299.5	332.8	12.5	89.1	1.1	339.
4.1	15.1	127.1	995.0	15.7	13.9	166.1	9.3	-2.2	9.1	300.1	333.9	11.5	88.6	1.5	361.
5.0	20.5	151.4	995.0	14.6	12.5	166.3	9.6	-2.6	9.3	301.4	330.6	10.6	87.4	2.0	342.
5.9	27.9	177.4	995.0	12.5	11.3	153.2	7.8	-3.5	6.9	301.8	329.2	10.1	90.8	2.5	342.
6.7	27.6	232.9	993.0	10.9	10.3	153.5	5.9	-2.6	5.2	302.8	329.8	9.9	95.9	2.9	342.
7.7	27.0	229.4	995.0	10.4	9.4	161.7	4.1	-1.3	3.9	305.0	332.2	9.9	96.1	3.1	340.
8.4	33.5	235.4	995.0	9.1	8.4	168.8	3.8	-1.0	3.7	306.6	332.2	9.3	92.5	3.4	341.
9.1	33.4	234.9	995.0	7.7	6.4	167.7	4.6	-1.0	4.5	307.9	331.6	8.4	92.0	3.7	361.
10.1	34.4	313.7	993.0	6.9	-0.6	170.8	6.2	-0.4	6.2	310.2	325.4	5.2	58.5	4.0	342.
11.2	34.4	313.7	993.0	5.9	-2.6	193.7	6.9	0.1	6.9	312.2	325.4	4.7	54.3	4.4	344.
12.3	34.6	343.5	995.0	4.2	-3.4	179.1	6.1	-0.1	6.1	313.7	327.2	4.5	55.9	4.9	345.
13.4	44.3	378.9	995.0	2.4	-11.5	178.5	4.4	-0.1	4.4	315.3	323.1	2.5	38.8	5.2	340.
14.4	44.3	475.2	995.0	2.4	-11.5	178.5	4.4	-0.1	4.4	315.3	323.1	2.5	38.8	5.2	340.
15.4	44.3	475.2	995.0	2.4	-11.5	178.5	4.4	-0.1	4.4	315.3	323.1	2.5	38.8	5.2	340.
16.4	44.3	475.2	995.0	2.4	-11.5	178.5	4.4	-0.1	4.4	315.3	323.1	2.5	38.8	5.2	340.
17.0	44.4	475.2	995.0	-0.0	-53.3	287.2	2.0	1.9	-0.6	370.0	323.3	0.1	1.0	5.4	369.
18.4	52.4	514.7	995.0	-2.5	-51.5	310.7	3.5	2.7	-2.3	321.1	327.4	0.1	1.0	5.1	352.
19.7	55.9	545.4	995.0	-5.4	-53.1	298.4	4.6	4.1	-2.2	322.0	327.2	0.0	1.0	5.0	355.
21.9	54.9	533.5	995.0	-7.9	-54.9	298.3	4.7	4.5	-1.4	323.4	324.6	0.0	1.0	4.8	360.
22.3	62.1	523.4	995.0	-11.0	-56.9	281.0	4.7	4.6	-0.9	324.3	324.5	0.0	1.0	4.8	360.
23.4	62.4	523.4	995.0	-14.4	-59.1	250.4	4.9	4.8	-0.9	325.1	325.2	0.0	1.0	4.8	360.
24.3	64.3	537.4	995.0	-17.8	-61.2	263.8	6.7	6.7	0.7	326.2	325.2	0.0	1.0	4.8	360.
25.4	72.1	724.2	995.0	-21.7	-48.9	298.6	9.3	8.9	2.5	326.8	327.2	0.1	6.6	5.2	18.
26.5	70.3	749.4	995.0	-26.0	-43.3	242.6	10.6	9.4	4.9	327.2	327.2	0.2	17.8	5.8	26.
27.5	73.9	809.4	995.0	-30.7	-40.7	230.1	9.8	8.1	5.5	327.4	328.5	0.3	36.3	6.8	31.
28.2	87.9	931.5	995.0	-35.5	-41.8	231.6	8.3	6.5	5.1	327.8	328.9	0.3	51.8	7.8	38.
29.2	87.9	931.5	995.0	-39.4	-54.7	241.2	11.7	10.2	5.6	331.0	331.3	0.1	17.0	8.8	38.
30.3	92.2	1315.0	995.0	-43.0	99.9	248.3	16.6	15.0	7.2	337.3	999.9	99.9	999.9	10.4	41.
31.4	96.5	1307.1	995.0	-44.4	99.9	248.5	16.9	15.7	6.2	340.1	999.9	99.9	999.9	12.4	43.
32.9	101.4	1193.2	995.0	-49.8	99.9	252.2	15.8	15.0	4.8	342.2	999.9	99.9	999.9	14.6	49.
33.6	109.4	1226.2	995.0	-54.9	99.9	239.7	13.9	12.0	7.0	345.8	999.9	99.9	999.9	16.7	52.
34.3	112.5	1311.9	995.0	-56.2	99.9	252.1	17.1	16.2	5.2	354.0	999.9	99.9	999.9	19.4	54.
34.5	118.9	1437.3	995.0	-60.4	99.9	248.8	16.6	15.5	6.0	366.0	999.9	99.9	999.9	22.3	58.
35.0	128.9	1437.3	995.0	-63.3	99.9	260.3	20.1	19.9	3.4	380.4	999.9	99.9	999.9	26.1	59.
35.0	128.9	1437.3	995.0	-66.7	99.9	268.4	14.2	14.1	1.1	398.8	999.9	99.9	999.9	29.8	62.
37.2	135.0	1526.6	995.0	-68.7	99.9	215.1	6.7	3.9	5.3	438.8	999.9	99.9	999.9	33.0	65.
42.6	141.7	1899.2	995.0	-65.4	99.9	99.0	5.2	-5.1	0.5	500.3	999.9	99.9	999.9	32.5	63.
49.0	151.3	2095.6	995.0	-60.8	99.9	99.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	99.9
50.3	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	99.9

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

STATION NO. 229  
CENTREVILLE, ALABAMA

9 MAY 1979  
2007 GMT

163 13. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	6.9	143.0	995.9	28.1	19.9	150.0	5.1	-2.6	4.4	301.6	341.2	14.9	61.0	0.2	0.
00.0	99.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9
00.6	0.6	326.0	975.0	24.3	18.2	999.0	99.9	99.9	99.9	299.6	335.0	13.7	68.9	999.9	999.9
1.5	11.1	554.4	950.0	22.7	16.3	999.9	99.9	99.9	99.9	308.2	337.6	14.1	76.2	999.9	999.9
2.0	13.5	786.5	925.0	20.6	16.1	999.9	99.9	99.9	99.9	309.3	333.9	12.6	75.3	999.9	999.9
3.5	15.9	1023.1	900.0	19.1	15.5	999.9	99.9	99.9	99.9	301.2	334.4	12.4	79.6	999.9	999.9
4.2	18.3	1265.1	875.0	16.9	13.4	164.2	6.3	-1.2	4.2	301.3	331.4	11.2	80.1	1.1	328.
5.0	20.6	1512.3	850.0	15.5	12.3	175.6	3.7	-0.3	3.6	302.4	331.3	10.7	81.2	1.3	340.
6.0	23.3	1785.6	825.0	13.8	10.4	182.9	3.8	0.2	3.6	303.1	329.6	9.7	80.3	1.5	342.
6.9	25.8	2026.8	800.0	12.0	9.4	197.3	3.8	1.1	3.6	306.0	329.6	9.3	83.9	1.7	346.
7.0	28.3	2290.4	775.0	9.9	7.2	217.7	6.6	2.8	3.6	309.5	327.4	6.3	83.1	1.9	350.
8.4	31.0	2562.7	750.0	9.8	-6.3	222.5	7.0	4.8	5.2	307.3	316.7	3.2	31.4	2.1	357.
10.0	33.6	2965.2	725.0	10.3	-11.8	218.9	9.1	5.1	6.3	310.8	317.4	2.1	19.0	2.3	6.
11.1	36.2	3135.9	700.0	9.0	-14.8	212.4	9.4	5.0	7.9	312.4	317.9	1.7	17.0	3.0	11.
12.1	37.0	3335.9	675.0	7.2	-11.1	211.9	7.9	4.2	6.7	313.7	321.2	2.4	25.9	3.6	14.
13.3	41.8	3745.6	650.0	5.7	-10.7	209.3	5.6	2.8	4.9	319.4	323.5	2.6	29.7	4.0	17.
14.5	44.6	4265.1	625.0	3.7	-14.6	207.0	4.5	2.0	4.0	316.7	323.1	2.0	25.0	4.4	17.
15.7	47.4	4736.0	600.0	3.2	-33.1	245.4	3.4	3.1	1.4	319.9	321.2	0.4	4.8	4.6	18.
17.0	50.4	4732.5	575.0	1.1	-34.5	273.0	3.7	3.7	-0.2	321.3	322.6	0.4	4.9	4.7	21.
18.3	53.4	5094.7	550.0	-2.0	-37.6	277.9	6.3	4.2	-0.6	321.7	322.6	0.3	4.5	4.8	25.
19.6	56.5	5462.2	525.0	-4.9	-40.7	274.7	4.9	4.9	-0.4	325.6	323.3	0.2	4.0	4.9	28.
21.1	59.8	5843.1	500.0	-8.3	-42.0	260.3	5.8	5.8	1.0	323.0	323.6	0.2	4.5	5.1	34.
22.5	63.0	6236.7	475.0	-11.5	-43.5	246.0	4.9	4.8	2.2	323.8	324.4	0.2	5.0	5.6	37.
23.9	66.3	6653.8	450.0	-14.6	-44.1	247.0	4.9	4.5	1.9	326.9	325.5	0.2	6.0	5.9	39.
25.7	69.7	7091.2	425.0	-17.3	-36.1	238.4	6.8	5.8	3.6	326.0	328.3	0.4	18.0	6.4	41.
27.3	73.3	7532.1	400.0	-21.5	-34.7	241.6	7.2	6.3	3.4	327.1	328.8	0.5	20.9	7.1	42.
28.9	77.0	8003.4	375.0	-26.2	-36.4	242.2	7.7	6.0	3.6	327.0	328.6	0.4	37.1	7.6	44.
30.6	80.9	8494.6	350.0	-30.4	-34.8	236.7	8.3	6.9	4.5	327.8	329.8	0.6	65.0	8.6	46.
32.4	84.4	9020.6	325.0	-34.9	-37.9	231.8	9.4	7.4	5.8	328.6	330.2	0.4	73.1	9.5	46.
34.5	84.2	9573.4	300.0	-39.0	-47.7	241.8	12.4	10.9	5.8	330.8	331.1	6.2	38.8	10.8	48.
36.5	93.6	10170.1	275.0	-39.7	99.9	246.9	18.0	16.4	7.1	337.8	999.9	99.9	999.9	12.7	50.
38.9	98.2	10815.2	250.0	-44.8	99.9	246.8	17.4	16.0	6.9	339.5	999.9	99.9	999.9	15.0	53.
41.3	103.2	11511.3	225.0	-50.2	99.9	245.2	18.3	14.8	6.9	341.5	999.9	99.9	999.9	17.5	55.
44.0	109.5	12272.8	200.0	-54.2	99.9	245.5	17.5	15.9	7.3	347.0	999.9	99.9	999.9	20.0	56.
47.1	114.3	13123.9	175.0	-57.6	99.9	250.1	18.0	17.6	3.7	354.5	999.9	99.9	999.9	23.4	59.
50.4	120.8	14090.8	150.0	-60.3	99.9	253.9	18.6	17.9	5.2	360.3	999.9	99.9	999.9	26.7	61.
54.2	127.7	15217.5	125.0	-63.3	99.9	260.3	19.0	18.7	3.2	360.1	999.9	99.9	999.9	31.0	63.
58.7	135.7	16378.6	100.0	-66.8	99.9	267.6	18.8	13.8	0.5	368.7	999.9	99.9	999.9	35.1	64.
64.0	144.3	18305.4	75.0	-67.2	99.9	252.3	16.8	6.5	2.1	433.0	999.9	99.9	999.9	38.4	68.
71.3	154.0	20770.9	50.0	-62.1	99.9	122.8	3.8	-3.2	2.1	497.1	999.9	99.9	999.9	38.6	68.
82.3	163.3	25333.3	25.0	-66.6	99.9	999.9	99.9	99.9	99.9	648.3	999.9	99.9	999.9	36.4	68.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 229  
 CENTERVILLE, ALABAMA  
 9 MAY 1979  
 2305 GMT

161 14. 0

TIME	CNTCT	HEIGHT SPM	PRES MB	TEMP CG C	DEW PT DG C	QIM QG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT F QG K	E POT F DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
01.0	7.0	187.3	928.8	27.5	19.6	150.0	3.1	-1.5	2.7	321.1	339.9	14.6	62.0	0.0	0.
02.0	02.0	194.7	1030.0	99.9	92.3	99.9	99.9	99.9	99.9	99.9	999.7	99.9	999.9	999.9	999.
03.0	4.0	317.5	275.0	25.3	17.5	999.9	99.9	99.9	99.9	300.7	335.4	13.0	61.8	999.9	999.
04.0	11.0	545.9	270.0	23.7	17.2	999.9	99.9	99.9	99.9	301.2	336.3	13.1	67.1	999.9	999.
05.0	13.0	773.7	920.0	21.4	16.4	132.1	4.5	-3.4	3.0	301.2	337.5	12.8	73.0	0.5	325.
06.0	16.0	1016.0	920.0	19.3	16.2	133.8	5.6	-4.0	3.9	321.4	336.2	13.0	82.3	0.8	320.
07.0	18.0	1253.2	875.0	17.0	14.5	143.2	5.7	-3.4	4.6	321.5	333.7	12.0	85.0	1.1	319.
08.0	21.0	1503.4	820.0	15.6	11.9	153.2	6.1	-2.6	5.6	322.5	330.7	10.4	78.6	1.4	322.
09.0	23.0	1703.7	825.0	13.6	11.3	158.0	6.9	-1.8	4.5	323.0	331.0	10.3	86.1	1.7	325.
10.0	25.0	1903.7	825.0	11.4	9.0	189.1	4.3	0.6	4.3	303.7	328.7	9.1	83.2	1.9	327.
11.0	27.0	2103.7	825.0	11.1	8.4	229.7	7.3	5.6	4.7	305.8	329.7	5.2	48.4	2.1	336.
12.0	29.0	2303.7	750.0	10.7	-6.9	235.0	9.5	7.8	5.5	308.2	317.2	3.0	28.3	2.3	352.
13.0	31.0	2503.7	750.0	8.4	-12.5	225.0	9.1	6.4	6.4	329.2	315.4	2.0	20.6	2.7	4.
14.0	33.0	2703.7	750.0	9.1	-22.5	208.4	7.8	3.2	7.1	312.6	316.6	1.3	12.0	3.1	9.
15.0	35.0	2903.7	670.0	7.7	-18.3	198.4	5.6	0.9	5.5	314.2	318.6	1.3	13.6	3.6	10.
16.0	37.0	3103.7	620.0	6.9	-14.6	200.3	3.6	1.6	3.2	316.8	318.0	0.3	3.6	3.9	9.
17.0	39.0	3303.7	620.0	5.6	-46.5	258.7	3.8	3.6	1.0	318.8	319.2	0.1	1.0	4.0	12.
18.0	41.0	3503.7	620.0	3.2	-48.5	271.9	5.5	5.5	-0.2	319.9	323.2	0.1	1.0	4.1	16.
19.0	43.0	3703.7	570.0	0.6	-49.6	276.4	6.7	6.6	-0.7	320.7	323.9	0.1	1.0	4.2	22.
20.0	45.0	3903.7	550.0	-2.7	-51.7	278.1	5.9	5.9	-0.4	320.9	321.1	0.1	1.0	4.4	29.
21.0	47.0	4103.7	520.0	-5.4	-53.4	259.1	4.9	4.8	1.3	321.9	322.1	0.0	1.0	4.6	33.
22.0	49.0	4303.7	520.0	-8.3	-55.2	237.0	5.2	4.3	2.3	323.0	323.1	0.0	1.0	4.9	35.
23.0	51.0	4503.7	475.0	-11.5	-57.2	235.5	5.1	4.2	2.9	323.8	323.9	0.0	1.0	5.4	37.
24.0	53.0	4703.7	430.0	-14.7	-59.2	230.6	5.2	4.0	3.3	324.8	324.9	0.0	1.0	5.9	39.
25.0	55.0	4903.7	400.0	-17.5	-38.9	230.9	5.9	4.6	3.7	326.5	327.7	0.3	13.6	6.5	40.
26.0	57.0	5103.7	400.0	-21.7	-37.0	228.9	7.9	5.8	5.4	328.8	328.3	0.4	23.5	7.2	41.
27.0	59.0	5303.7	400.0	-26.4	-37.0	221.9	6.4	5.6	6.3	328.7	328.2	0.4	35.6	8.0	41.
28.0	61.0	5503.7	375.0	-31.0	-36.3	219.2	9.7	6.1	7.5	327.0	328.6	0.5	56.0	6.9	41.
29.0	63.0	5703.7	350.0	-35.8	-39.3	222.2	10.2	6.9	7.6	327.4	328.9	0.4	77.6	10.0	41.
30.0	65.0	5903.7	320.0	-36.9	-39.3	224.6	13.7	12.4	5.9	333.3	333.5	0.1	9.6	11.6	43.
31.0	67.0	6103.7	300.0	-40.2	-42.4	250.5	16.5	15.5	5.2	337.0	999.9	99.9	999.9	13.6	47.
32.0	69.0	6303.7	275.0	-45.4	-47.7	259.9	15.9	14.0	5.2	338.6	999.9	99.9	999.9	15.9	51.
33.0	71.0	6503.7	250.0	-48.4	-49.7	249.7	15.9	14.9	5.5	340.8	999.9	99.9	999.9	15.3	53.
34.0	73.0	6703.7	230.0	-53.7	-49.9	249.7	15.9	14.9	5.5	340.8	999.9	99.9	999.9	15.3	53.
35.0	75.0	6903.7	230.0	-54.6	-49.9	252.2	18.4	16.4	5.2	346.3	999.9	99.9	999.9	21.1	56.
36.0	77.0	7103.7	230.0	-57.2	-49.9	253.3	18.8	18.0	5.4	355.5	999.9	99.9	999.9	24.9	59.
37.0	79.0	7303.7	175.0	-61.2	-49.9	251.1	19.2	17.7	5.4	364.7	999.9	99.9	999.9	26.9	59.
38.0	81.0	7503.7	150.0	-64.6	-49.9	250.3	19.1	18.0	3.6	377.9	999.9	99.9	999.9	33.3	62.
39.0	83.0	7703.7	130.0	-66.6	-49.9	278.2	16.4	16.3	-1.5	399.1	999.9	99.9	999.9	36.5	66.
40.0	85.0	7903.7	100.0	-67.0	-49.9	238.0	7.1	5.8	4.2	432.5	999.9	99.9	999.9	41.1	68.
41.0	87.0	8103.7	75.0	-63.4	-49.9	92.7	5.1	-5.1	0.2	494.2	999.9	99.9	999.9	41.8	67.
42.0	89.0	8303.7	250.0	-67.8	-49.9	64.5	3.0	-2.7	-1.3	647.7	999.9	99.9	999.9	36.8	72.

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



STATION NO. 229  
 CENTERVILLE, ALABAMA  
 10 MAY 1979  
 500 GMT

TIME	CMTCY	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT Y	MR RTO	RM	RANGE	AZ
ML		FT	MB	CG C	CG C	DEG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KM	DEG
00.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
00.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
01.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
01.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
02.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
02.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
03.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
03.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
04.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
04.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
05.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
05.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
06.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
06.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
07.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
07.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
08.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
08.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
09.0	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.
09.5	1.0	100.0	1023.0	21.3	21.3	60.0	2.6	-2.3	-1.3	290.7	336.5	16.2	99.9	0.0	0.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 & 7 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 289  
CENTREVILLE, ALABAMA

18 MAY 1979  
006 GMT

161 11.0 0

TIME MIN	CNTCY	HEIGHT GPH	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 WTD G/M/S	RM PCT	RANGE MR	AZ DG
0.0	6.9	140.0	990.0	21.1	19.7	180.0	3.1	-1.1	2.9	294.6	332.7	14.7	92.0	0.0	0.
0.9	9.9	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.6	0.6	325.2	975.0	20.9	19.2	99.0	99.0	99.0	99.0	294.2	334.2	14.6	99.0	999.0	999.0
1.6	11.1	551.6	950.0	22.7	18.7	99.0	99.0	99.0	99.0	296.2	336.6	14.5	78.1	0.0	14.
2.6	13.5	784.0	925.0	21.0	17.0	163.9	11.4	-2.0	99.0	300.6	336.6	14.3	77.7	1.5	8.
3.5	15.9	1021.3	900.0	19.8	15.8	164.5	9.2	-2.5	99.0	301.9	336.0	12.7	77.9	2.0	388.
4.5	18.2	1263.9	875.0	17.4	14.5	173.0	7.9	-1.0	7.0	302.0	334.3	12.0	82.2	2.5	356.
5.6	20.6	1511.6	850.0	15.6	13.5	178.5	7.5	-0.5	7.5	302.5	333.0	11.6	87.3	3.0	356.
6.6	23.1	1764.8	825.0	13.6	11.1	178.1	7.4	-0.2	7.4	303.0	330.5	10.1	84.7	3.5	356.
7.7	25.6	2024.2	800.0	12.9	8.2	177.0	7.3	-0.4	7.2	303.9	323.3	8.5	85.9	3.0	387.
8.8	28.1	2251.0	775.0	12.8	-8.2	182.7	7.6	0.4	7.4	307.6	316.0	3.1	28.0	4.4	357.
9.9	30.6	2565.0	750.0	10.5	-8.3	188.8	6.8	1.0	7.7	309.0	316.1	2.7	25.0	4.8	398.
10.9	33.2	2846.0	725.0	9.2	-23.1	183.5	4.5	0.3	4.5	309.6	312.0	0.9	8.9	5.2	398.
12.1	35.9	3137.1	700.0	10.1	-43.7	242.1	1.4	1.3	0.7	313.6	314.0	0.1	1.0	5.4	358.
13.3	38.6	3438.6	675.0	9.3	-44.2	309.9	3.0	2.3	-1.9	316.1	316.5	0.1	1.0	5.3	399.
14.6	41.3	3750.1	650.0	7.9	-45.0	320.6	5.2	3.3	-4.0	318.0	318.4	0.1	1.0	5.1	2.
15.8	44.1	4071.6	625.0	6.0	-46.3	335.6	6.6	2.7	-6.0	319.3	319.6	0.1	1.0	4.7	8.
17.1	47.0	4404.1	600.0	3.5	-47.8	335.8	7.8	3.2	-7.1	320.1	320.5	0.1	1.0	4.2	8.
18.4	49.9	4747.3	575.0	0.2	-46.2	320.0	8.7	5.1	-7.1	320.2	320.6	0.1	1.0	3.7	13.
19.8	52.9	5101.2	550.0	-2.5	-41.7	317.1	9.4	5.7	-6.5	321.2	321.0	0.2	3.0	3.4	29.
21.2	55.9	5467.4	525.0	-6.2	-39.2	315.1	9.2	6.9	-6.5	320.9	321.0	0.2	5.2	3.2	37.
22.7	59.0	5845.2	500.0	-9.8	-38.6	308.0	10.3	8.1	-6.4	321.1	322.2	0.3	6.9	3.2	53.
24.2	62.3	6239.3	475.0	-13.6	-38.6	294.5	10.9	9.9	-6.5	321.2	322.2	0.3	9.0	3.7	67.
25.9	65.6	6647.7	450.0	-17.0	-36.4	271.0	10.0	10.0	-6.2	321.9	323.2	0.4	16.7	4.8	78.
27.4	69.0	7073.7	425.0	-20.5	-38.6	254.2	8.9	8.5	-6.4	322.8	323.9	0.4	17.0	5.4	78.
29.2	72.4	7518.9	400.0	-24.8	-37.9	249.8	8.9	8.4	-6.4	322.8	324.0	0.4	28.2	6.4	75.
31.1	75.1	7974.5	375.0	-27.7	-49.7	271.1	6.4	6.4	-6.2	325.9	325.0	0.1	10.2	7.3	79.
33.2	79.9	8474.0	350.0	-30.7	-56.6	289.0	6.0	6.9	-6.2	327.4	327.6	0.0	5.8	8.2	78.
35.2	83.8	9000.4	325.0	-34.1	-59.5	281.2	6.3	6.2	-6.2	329.7	329.0	0.0	5.6	8.8	81.
37.6	88.0	9556.3	300.0	-38.2	-60.6	262.4	9.1	9.0	-6.2	331.6	331.7	0.0	7.3	9.9	82.
39.9	92.3	10151.3	275.0	-41.8	-60.5	280.1	12.2	12.0	-6.2	334.7	334.7	0.0	999.0	11.0	81.
42.4	96.8	10791.1	250.0	-46.2	-60.5	257.1	13.7	13.4	-6.2	337.4	337.4	0.0	999.0	13.4	81.
45.3	101.8	11483.6	225.0	-51.1	-60.5	261.9	13.4	13.2	-6.2	340.3	340.3	0.0	999.0	15.6	81.
48.4	107.0	12242.2	200.0	-56.6	-60.5	271.1	10.8	14.8	-6.3	346.3	346.3	0.0	999.0	18.3	82.
51.6	112.5	13090.1	175.0	-58.0	-60.5	265.5	15.0	15.9	-6.2	354.3	354.3	0.0	999.0	21.1	83.
54.5	118.8	14058.7	150.0	-59.9	-60.5	261.0	18.1	19.1	-6.2	367.7	367.7	0.0	999.0	25.8	83.
58.8	125.3	15187.6	125.0	-64.1	-60.5	272.6	18.2	18.2	-6.6	378.9	378.9	0.0	999.0	30.1	84.
63.1	133.3	16505.1	100.0	-67.1	-60.5	283.3	15.9	12.9	-6.6	390.1	390.1	0.0	999.0	34.9	84.
71.3	141.7	18259.2	75.0	-70.6	-60.5	283.3	4.2	3.4	-6.6	420.8	420.8	0.0	999.0	37.7	85.
78.6	151.0	20718.2	50.0	-81.7	-60.5	128.5	9.1	-6.0	-6.0	499.1	499.1	0.0	999.0	37.3	85.
93.0	180.7	25135.6	25.0	-89.4	-60.5	999.0	99.0	99.0	99.0	633.2	633.2	0.0	999.0	33.3	89.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
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ORIGINAL PAGE 2  
 NEW FOR QUALITY

STATION NO. 229  
CENTERVILLE, ALABAMA

10 MAY 1979  
1100 GMT

TIME ML	CMTCT	HEIGHT GPM	PRES MB	TEMP CG C	DEW PT CG C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF F DG K	E POF Y DG K	MK RTO GM/KG	RM PCT	101		12.0	
														RANGE KM	AZ DC	RANGE KM	AZ DC
00.0	00.0	100.0	977.1	19.6	19.1	192.0	2.1	0.0	2.1	243.0	329.3	19.1	97.0	0.0	0.0		
00.9	00.9	100.0	977.0	19.9	19.1	192.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	0.0	0.0	
01.7	01.7	338.2	975.0	20.0	19.1	197.4	0.5	2.5	0.1	205.3	332.0	19.5	96.8	0.3	11.0		
02.4	02.4	537.1	950.0	19.9	19.0	200.6	6.0	2.1	5.6	237.4	336.0	19.8	96.7	0.7	19.0		
03.1	03.1	727.3	925.0	19.5	18.2	190.6	6.2	1.1	6.1	299.2	337.3	19.4	96.5	0.9	17.0		
03.8	03.8	1227.2	900.0	19.1	14.7	178.8	6.6	-0.2	8.6	331.2	333.0	19.0	96.5	1.4	13.0		
04.4	04.4	1747.1	875.0	17.6	13.1	173.8	7.5	-0.9	7.5	332.0	331.5	18.9	96.5	1.8	9.0		
05.1	05.1	2161.6	850.0	15.6	11.3	176.9	6.3	-0.4	6.3	332.4	329.6	18.0	96.5	2.3	6.0		
05.8	05.8	2767.4	825.0	14.2	7.1	183.5	9.2	0.6	9.2	333.7	325.0	17.7	96.5	2.8	5.0		
06.4	06.4	3372.2	800.0	12.8	-1.3	187.0	6.1	1.0	6.0	334.9	317.4	17.4	96.5	3.3	5.0		
07.1	07.1	3977.1	775.0	11.4	-2.1	187.4	6.7	0.9	6.6	336.1	315.0	17.3	96.5	3.7	5.0		
07.8	07.8	4582.0	750.0	9.9	-7.9	187.1	7.6	0.9	7.6	337.4	315.0	17.3	96.5	4.1	5.0		
08.4	08.4	5186.9	725.0	8.4	-13.2	189.5	7.4	1.1	7.3	338.6	314.0	17.3	96.5	4.6	6.0		
09.1	09.1	5791.8	700.0	6.8	-17.2	209.7	3.5	1.7	3.1	342.3	313.1	17.3	96.5	5.0	6.0		
09.8	09.8	6396.7	675.0	5.4	-21.2	240.9	2.8	0.7	-2.7	346.1	316.5	17.3	96.5	5.4	6.0		
10.4	10.4	7001.6	650.0	4.0	-25.2	272.1	5.3	0.6	-5.3	349.9	319.9	17.3	96.5	5.8	6.0		
11.1	11.1	7606.5	625.0	2.6	-29.2	303.3	6.3	1.9	-6.3	353.7	319.2	17.3	96.5	6.2	6.0		
11.8	11.8	8211.4	600.0	1.2	-33.2	334.5	7.5	3.4	-7.5	357.5	320.8	17.3	96.5	6.6	6.0		
12.4	12.4	8816.3	575.0	0.0	-37.2	365.7	9.3	4.3	-9.3	361.3	321.1	17.3	96.5	7.0	6.0		
13.1	13.1	9421.2	550.0	-1.4	-41.2	396.9	9.5	5.0	-9.5	365.1	321.3	17.3	96.5	7.4	6.0		
13.8	13.8	10026.1	525.0	-3.0	-45.2	428.1	7.8	5.8	-7.8	368.9	321.3	17.3	96.5	7.8	6.0		
14.4	14.4	10631.0	500.0	-4.6	-49.2	459.3	6.2	6.6	-6.2	372.7	321.1	17.3	96.5	8.2	6.0		
15.1	15.1	11235.9	475.0	-6.2	-53.2	490.5	5.2	7.4	-5.2	376.5	321.2	17.3	96.5	8.6	6.0		
15.8	15.8	11840.8	450.0	-7.8	-57.2	521.7	4.2	8.2	-4.2	380.3	321.5	17.3	96.5	9.0	6.0		
16.4	16.4	12445.7	425.0	-9.4	-61.2	552.9	3.2	9.0	-3.2	384.1	322.0	17.3	96.5	9.4	6.0		
17.1	17.1	13050.6	400.0	-11.0	-65.2	584.1	2.2	9.8	-2.2	387.9	323.0	17.3	96.5	9.8	6.0		
17.8	17.8	13655.5	375.0	-12.6	-69.2	615.3	1.2	10.6	-1.2	391.7	324.0	17.3	96.5	10.2	6.0		
18.4	18.4	14260.4	350.0	-14.2	-73.2	646.5	0.2	11.4	-0.2	395.5	325.0	17.3	96.5	10.6	6.0		
19.1	19.1	14865.3	325.0	-15.8	-77.2	677.7	0.8	12.2	-0.8	399.3	326.0	17.3	96.5	11.0	6.0		
19.8	19.8	15470.2	300.0	-17.4	-81.2	708.9	0.8	13.0	-0.8	403.1	327.0	17.3	96.5	11.4	6.0		
20.4	20.4	16075.1	275.0	-19.0	-85.2	740.1	0.8	13.8	-0.8	406.9	328.0	17.3	96.5	11.8	6.0		
21.1	21.1	16680.0	250.0	-20.6	-89.2	771.3	0.8	14.6	-0.8	410.7	329.0	17.3	96.5	12.2	6.0		
21.8	21.8	17284.9	225.0	-22.2	-93.2	802.5	0.8	15.4	-0.8	414.5	330.0	17.3	96.5	12.6	6.0		
22.4	22.4	17889.8	200.0	-23.8	-97.2	833.7	0.8	16.2	-0.8	418.3	331.0	17.3	96.5	13.0	6.0		
23.1	23.1	18494.7	175.0	-25.4	-101.2	864.9	0.8	17.0	-0.8	422.1	332.0	17.3	96.5	13.4	6.0		
23.8	23.8	19099.6	150.0	-27.0	-105.2	896.1	0.8	17.8	-0.8	425.9	333.0	17.3	96.5	13.8	6.0		
24.4	24.4	19704.5	125.0	-28.6	-109.2	927.3	0.8	18.6	-0.8	429.7	334.0	17.3	96.5	14.2	6.0		
25.1	25.1	20309.4	100.0	-30.2	-113.2	958.5	0.8	19.4	-0.8	433.5	335.0	17.3	96.5	14.6	6.0		
25.8	25.8	20914.3	75.0	-31.8	-117.2	989.7	0.8	20.2	-0.8	437.3	336.0	17.3	96.5	15.0	6.0		
26.4	26.4	21519.2	50.0	-33.4	-121.2	1020.9	0.8	21.0	-0.8	441.1	337.0	17.3	96.5	15.4	6.0		
27.1	27.1	22124.1	25.0	-35.0	-125.2	1052.1	0.8	21.8	-0.8	444.9	338.0	17.3	96.5	15.8	6.0		
27.8	27.8	22729.0	0.0	-36.6	-129.2	1083.3	0.8	22.6	-0.8	448.7	339.0	17.3	96.5	16.2	6.0		
28.4	28.4	23333.9	0.0	-38.2	-133.2	1114.5	0.8	23.4	-0.8	452.5	340.0	17.3	96.5	16.6	6.0		
29.1	29.1	23938.8	0.0	-39.8	-137.2	1145.7	0.8	24.2	-0.8	456.3	341.0	17.3	96.5	17.0	6.0		
29.8	29.8	24543.7	0.0	-41.4	-141.2	1176.9	0.8	25.0	-0.8	460.1	342.0	17.3	96.5	17.4	6.0		
30.4	30.4	25148.6	0.0	-43.0	-145.2	1208.1	0.8	25.8	-0.8	463.9	343.0	17.3	96.5	17.8	6.0		
31.1	31.1	25753.5	0.0	-44.6	-149.2	1239.3	0.8	26.6	-0.8	467.7	344.0	17.3	96.5	18.2	6.0		
31.8	31.8	26358.4	0.0	-46.2	-153.2	1270.5	0.8	27.4	-0.8	471.5	345.0	17.3	96.5	18.6	6.0		
32.4	32.4	26963.3	0.0	-47.8	-157.2	1301.7	0.8	28.2	-0.8	475.3	346.0	17.3	96.5	19.0	6.0		
33.1	33.1	27568.2	0.0	-49.4	-161.2	1332.9	0.8	29.0	-0.8	479.1	347.0	17.3	96.5	19.4	6.0		
33.8	33.8	28173.1	0.0	-51.0	-165.2	1364.1	0.8	29.8	-0.8	482.9	348.0	17.3	96.5	19.8	6.0		
34.4	34.4	28778.0	0.0	-52.6	-169.2	1395.3	0.8	30.6	-0.8	486.7	349.0	17.3	96.5	20.2	6.0		
35.1	35.1	29382.9	0.0	-54.2	-173.2	1426.5	0.8	31.4	-0.8	490.5	350.0	17.3	96.5	20.6	6.0		
35.8	35.8	29987.8	0.0	-55.8	-177.2	1457.7	0.8	32.2	-0.8	494.3	351.0	17.3	96.5	21.0	6.0		
36.4	36.4	30592.7	0.0	-57.4	-181.2	1488.9	0.8	33.0	-0.8	498.1	352.0	17.3	96.5	21.4	6.0		
37.1	37.1	31197.6	0.0	-59.0	-185.2	1520.1	0.8	33.8	-0.8	501.9	353.0	17.3	96.5	21.8	6.0		
37.8	37.8	31802.5	0.0	-60.6	-189.2	1551.3	0.8	34.6	-0.8	505.7	354.0	17.3	96.5	22.2	6.0		
38.4	38.4	32407.4	0.0	-62.2	-193.2	1582.5	0.8	35.4	-0.8	509.5	355.0	17.3	96.5	22.6	6.0		
39.1	39.1	33012.3	0.0	-63.8	-197.2	1613.7	0.8	36.2	-0.8	513.3	356.0	17.3	96.5	23.0	6.0		
39.8	39.8	33617.2	0.0	-65.4	-201.2	1644.9	0.8	37.0	-0.8	517.1	357.0	17.3	96.5	23.4	6.0		
40.4	40.4	34222.1	0.0	-67.0	-205.2	1676.1	0.8	37.8	-0.8	520.9	358.0	17.3	96.5	23.8	6.0		
41.1	41.1	34827.0	0.0	-68.6	-209.2	1707.3	0.8	38.6	-0.8	524.7	359.0	17.3	96.5	24.2	6.0		
41.8	41.8	35431.9	0.0	-70.2	-213.2	1738.5	0.8	39.4	-0.8	528.5	360.0	17.3	96.5	24.6	6.0		
42.4	42.4	36036.8	0.0	-71.8	-217.2	1769.7	0.8	40.2	-0.8	532.3	361.0	17.3	96.5	25.0	6.0		
43.1	43.1	36641.7	0.0	-73.4	-221.2	1800.9	0.8	41.0	-0.8	536.1	362.0	17.3	96.5	25.4	6.0		
43.8	43.8	37246.6	0.0	-75.0	-225.2	1832.1	0.8	41.8	-0.8	539.9	363.0	17.3	96.5	25.8	6.0		
44.4	44.4	37851.5	0.0	-76.6	-229.2	1863.3	0.8	42.6	-0.8	543.7	364.0	17.3	96.5	26.2	6.0		
45.1	45.1	38456.4	0.0	-78.2	-233.2	1894.5	0.8	43.4	-0.8	547.5	365.0	17.3	96.5	26.6	6.0		
45.8	45.8	39061.3	0.0	-79.8	-237.2	1925.7	0.8	44.2	-0.8	551.3	366.0	17.3	96.5	27.0	6.0		
46.4	46.4	39666.2	0.0	-81.4	-241.2	1956.9	0.8	45.0	-0.8	555.1	367.0	17.3	96.5	27.4	6.0		
47.1	47.1	40271.1	0.0	-83.0	-245.2	1988.1	0.8	45.8	-0.8	558.9	368.0	17.3	96.5	27.8	6.0		
47.8	47.8	40876.0	0.0	-84.6	-249.2	2019.3	0.8	46.6	-0.8	562.7	369.0	17.3	96.5	28.2	6.0		
48.4	48.4	41480.9	0.0	-86.2	-253.2	2050.5	0.8	47.4	-0.8	566.5	370.0	17.3	96.5	28.6	6.0		
49.1	49.1	42085.8	0.0	-87.8	-257.2	2081.7	0.8	48.2	-0.8	570.3	371.0	17.3	96.5	29.0	6.0		
49.8	49.8	42690.7	0.0	-89.4	-261.2	2112.9	0.8	49.0	-0.8	574.1	372.0	17.3	96.5	29.4	6.0		
50.4	50.4	43295.6	0.0	-91.0	-265.2	2144.1	0.8	49.8	-0.8	577.9	373.0	17.3	96.5	29.8	6.0		
51.1	51.1	43900.5	0.0	-92.6	-269.2	2175.3	0.8	50.6	-0.8	581.7	374.0	17.3	96.5	30.2	6.0		
51.8	51.8	44505.4	0.0	-94.2	-273.2	2206.5	0.8	51.4	-0.8	585.5	375.0	17.3	96.5	30.6	6.0		
52.4	52.4	45110.3	0.0	-													

STATION NO. 232  
BOOTHVILLE, LOUISIANA

9 MAY 1979  
1100 GMT

TIME min	CNTCT	WEIGHT GN	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POV F DEG E	E POT V DEG E	RZ RTO GM/KG	EM PCT	RANGE KM	AZ DG
0.3	4.1	1.0	1010.5	20.4	19.7	130.0	2.1	-1.6	1.3	292.7	329.0	10.8	96.0	0.0	0.
0.3	5.0	91.0	1000.0	21.0	20.6	206.9	6.0	3.1	6.0	295.0	335.0	18.5	92.7	0.3	207.
1.1	7.0	312.4	975.0	20.7	19.2	185.6	9.8	0.6	8.7	296.0	336.0	14.6	91.2	0.3	331.
1.7	9.3	517.3	950.0	18.7	16.5	171.3	6.3	-1.0	6.3	296.2	339.4	12.7	87.5	0.6	340.
2.7	11.4	766.2	925.0	18.6	16.0	166.8	6.3	0.1	6.3	298.3	319.3	7.7	83.1	0.9	385.
3.7	13.7	1002.3	900.0	19.6	16.0	169.5	6.4	1.1	6.3	301.7	322.4	7.5	86.0	1.2	351.
4.5	15.0	1245.3	875.0	18.6	14.7	169.7	7.3	1.2	7.2	303.1	320.4	6.7	86.0	1.6	355.
5.4	16.2	1492.5	850.0	17.7	13.9	190.4	6.9	1.2	6.8	304.7	320.7	6.6	87.5	1.9	350.
6.2	20.6	1747.4	825.0	16.5	13.0	188.0	6.6	0.9	6.5	306.0	320.0	6.0	83.0	2.3	340.
7.2	23.0	2003.3	800.0	14.7	11.9	185.9	6.6	0.6	6.3	306.8	321.6	6.1	89.0	2.6	1.
8.1	25.4	2275.5	775.0	13.9	11.0	176.7	3.3	-0.2	3.3	308.8	320.8	3.8	89.9	2.9	1.
9.1	28.	2551.7	750.0	11.0	9.9	173.6	2.9	-0.3	2.9	309.4	319.2	3.3	88.5	3.0	1.
10.1	30.6	2834.0	725.0	9.6	8.7	177.1	2.7	-0.1	2.7	310.0	318.9	2.9	88.5	3.2	0.
11.1	33.3	3124.7	700.0	9.0	8.0	218.3	1.8	1.5	0.9	313.5	315.3	0.5	8.0	3.3	0.
12.2	35.9	3420.8	675.0	10.5	8.4	299.3	2.5	2.2	-1.2	317.4	318.4	0.3	2.3	3.3	3.
13.3	38.7	3730.4	650.0	8.4	8.0	288.3	1.9	1.8	-0.6	318.5	319.5	0.3	2.5	3.2	5.
14.4	41.4	4065.4	625.0	5.8	8.0	268.3	1.1	1.8	0.6	319.0	320.0	0.3	2.8	3.2	7.
15.6	44.4	4393.7	600.0	4.1	8.0	234.1	2.9	2.3	1.7	320.9	321.0	0.3	3.0	3.3	8.
16.8	47.4	4738.0	575.0	1.4	8.0	262.8	5.6	5.5	0.7	321.9	322.8	0.2	3.2	3.6	13.
18.0	50.4	5095.5	550.0	-0.7	8.0	277.8	6.2	6.1	-0.8	323.3	324.1	0.2	3.5	3.5	20.
19.2	53.4	5463.4	525.0	-4.2	8.0	266.5	5.5	5.5	0.3	323.6	324.2	0.2	3.8	3.7	26.
20.5	56.6	5845.7	500.0	-7.0	8.0	246.0	6.0	5.5	2.6	324.5	325.2	0.2	6.1	4.0	31.
21.9	59.9	6242.1	475.0	-10.1	8.0	237.7	6.4	5.9	2.6	325.4	326.5	0.3	7.5	4.0	38.
23.3	63.3	6650.9	450.0	-14.1	8.0	251.3	7.7	7.3	2.5	325.6	327.5	0.6	19.3	4.9	38.
24.7	66.7	7087.6	425.0	-17.6	8.0	257.8	8.2	7.4	3.1	326.5	328.6	0.6	26.0	5.5	42.
26.1	70.4	7530.0	400.0	-21.0	8.0	237.0	8.2	6.9	4.5	326.7	328.8	0.9	53.4	6.1	45.
27.7	74.2	8005.5	375.0	-26.0	8.0	227.4	9.7	7.1	6.5	327.2	330.1	0.9	71.0	6.9	45.
29.4	78.3	8505.9	350.0	-30.4	8.0	228.8	9.8	7.4	6.5	327.8	329.7	0.5	60.8	8.0	46.
31.1	82.2	9027.4	325.0	-34.0	8.0	250.9	12.4	10.9	6.1	329.8	331.0	0.3	47.1	9.0	46.
33.1	86.3	9587.6	300.0	-35.5	8.0	247.4	10.6	10.6	6.9	335.4	335.7	0.1	10.0	10.8	50.
35.2	91.0	10190.0	275.0	-39.7	8.0	230.4	18.5	17.5	6.2	337.7	337.9	0.0	10.5	13.0	53.
37.5	95.7	10833.8	250.0	-44.1	8.0	246.7	22.0	20.2	6.7	340.5	339.9	0.0	99.0	15.7	56.
40.0	100.8	11532.1	225.0	-49.6	8.0	233.6	26.0	25.0	7.4	342.5	339.9	0.0	99.9	19.2	58.
42.7	106.4	12293.3	200.0	-54.1	8.0	256.1	25.7	24.0	6.2	347.1	339.9	0.0	99.9	23.3	62.
45.9	112.3	13145.3	175.0	-58.2	8.0	239.8	27.3	26.9	6.2	357.1	339.9	0.0	99.9	28.3	64.
49.3	118.7	14113.8	150.0	-61.4	8.0	264.7	24.4	24.3	2.2	364.4	339.9	0.0	99.9	33.6	67.
53.4	126.0	15233.1	125.0	-64.0	8.0	235.7	18.2	17.6	0.8	375.5	339.9	0.0	99.9	38.3	72.
58.3	134.7	16505.8	100.0	-67.0	8.0	252.7	14.1	14.1	-0.5	388.3	339.9	0.0	99.9	43.3	76.
64.0	143.0	18301.2	75.0	-70.1	8.0	256.0	6.6	6.5	1.1	428.1	339.9	0.0	99.9	48.2	78.
72.1	152.3	20780.7	50.0	-59.6	8.0	112.4	6.4	-0.9	2.5	503.2	339.9	0.0	99.9	44.2	78.
84.3	162.0	23251.8	25.0	-50.0	8.0	99.9	9.0	9.9	9.9	641.0	339.9	0.0	99.9	38.8	68.

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



STATION NO. 232  
BOOTHVILLE, LOUISIANA

9 MAY 1979  
1400 GMT

164 20. 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	PUT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00.0	0.1	1.2	1011.5	24.7	20.9	120.0	4.1	-3.6	2.0	296.9	337.3	15.5	79.0	0.0	0.
0.1	0.3	131.6	1022.0	23.0	20.0	120.0	99.9	99.9	99.9	296.2	335.0	14.9	83.2	999.9	999.
1.1	7.7	322.6	1075.0	21.3	19.5	099.0	99.9	99.9	99.9	296.6	335.2	14.8	89.5	999.9	999.
1.4	0.3	547.1	975.0	19.6	19.6	099.9	99.9	99.9	99.9	296.1	336.0	14.4	89.0	0.5	319.
2.7	11.3	777.7	925.0	21.2	19.6	190.3	6.9	1.2	6.8	301.0	326.9	8.8	50.9	0.8	337.
3.5	11.5	1016.7	920.0	20.6	19.6	193.1	7.2	1.6	7.0	302.5	323.5	6.4	38.5	1.1	368.
4.4	10.7	1254.3	875.0	19.4	19.7	203.7	8.1	3.2	7.4	303.9	317.3	4.7	29.0	1.4	355.
5.3	17.9	1577.4	820.0	18.2	18.7	208.2	8.5	4.0	7.5	305.2	319.8	5.1	33.1	1.9	3.
6.2	21.5	1792.7	775.0	16.6	18.3	205.0	7.3	3.1	6.6	306.1	322.9	4.9	41.2	2.2	8.
7.1	27.5	2024.6	720.0	16.2	18.9	174.8	5.3	-0.5	5.2	308.5	319.1	3.6	26.8	2.8	9.
8.0	28.9	2243.5	775.0	16.8	18.4	155.5	5.2	-2.1	4.7	309.7	320.4	3.6	26.3	2.8	6.
9.0	27.2	2564.5	750.0	12.7	18.1	158.6	6.1	-2.2	5.6	310.4	320.1	3.2	26.4	3.1	3.
10.0	26.4	2852.4	725.0	12.3	18.5	173.4	5.9	-1.0	5.8	311.4	317.8	2.0	18.1	3.4	1.
11.0	30.2	3146.9	720.0	12.5	18.5	207.6	3.7	1.7	3.3	314.2	317.1	0.9	8.0	3.7	1.
12.0	30.7	3467.9	675.0	11.0	18.1	231.1	3.1	2.9	1.0	317.9	320.2	0.7	5.5	3.8	3.
13.0	31.3	3793.7	650.0	8.4	17.5	231.7	3.7	3.5	1.2	318.5	323.6	0.6	5.7	3.9	8.
14.1	40.0	4042.7	625.0	5.4	17.0	232.6	3.7	2.9	2.3	319.0	323.9	0.6	6.0	4.0	9.
15.2	41.4	4414.7	600.0	3.1	13.5	219.9	3.7	2.9	2.3	319.7	321.4	0.5	6.3	4.2	11.
16.4	40.7	4797.7	575.0	0.8	13.1	210.1	4.8	4.8	-0.0	321.0	322.4	0.5	6.5	4.4	14.
17.6	40.4	5113.5	550.0	-1.3	13.1	206.3	5.5	4.9	-2.4	322.6	324.1	0.4	6.7	4.4	19.
18.9	51.6	5491.4	525.0	-4.3	13.9	202.4	4.2	3.9	-1.6	323.2	324.5	0.4	7.0	4.3	24.
20.0	54.6	5866.1	500.0	-7.1	13.6	206.5	3.6	3.6	-0.4	324.4	325.6	0.3	7.3	4.4	28.
21.4	57.9	6261.5	475.0	-10.4	13.8	207.4	3.6	3.0	1.9	325.1	326.4	0.3	7.6	4.6	30.
23.0	61.1	6674.4	450.0	-14.0	14.1	206.7	3.9	3.3	2.1	325.6	326.4	0.2	7.9	4.9	32.
24.4	64.4	7107.2	425.0	-17.2	14.2	203.5	6.6	5.3	3.9	327.0	328.8	0.5	21.9	5.2	34.
25.9	62.0	7575.7	400.0	-20.0	13.9	203.0	7.9	6.3	4.8	327.8	330.6	0.6	46.4	5.9	36.
27.4	71.7	8150.1	375.0	-25.7	11.7	204.9	7.6	5.3	5.4	327.5	330.0	0.7	56.4	6.7	38.
29.2	75.7	8725.1	350.0	-29.9	10.6	206.0	9.3	5.4	7.5	328.5	330.2	0.5	51.5	7.5	37.
30.4	74.7	9351.1	325.0	-31.9	10.7	203.3	13.2	11.5	6.6	332.8	333.4	0.2	19.1	8.5	39.
32.9	80.0	9944.1	300.0	-34.9	10.6	206.0	17.6	16.3	6.6	336.2	336.5	0.1	12.8	10.2	44.
35.0	86.4	10717.2	275.0	-37.8	10.9	209.2	20.7	19.3	7.3	339.0	339.3	0.1	13.2	12.4	48.
37.1	91.2	11566.1	250.0	-44.1	9.9	203.2	22.8	21.5	7.7	340.5	339.9	0.0	99.9	15.1	52.
39.5	94.3	11263.6	225.0	-48.9	9.9	209.8	24.8	24.4	4.4	343.6	339.9	0.0	99.9	16.4	56.
42.3	101.9	12294.2	200.0	-53.4	9.9	237.4	25.3	25.3	5.5	348.2	339.9	0.0	99.9	22.1	61.
45.3	105.4	13195.4	175.0	-54.9	9.9	259.3	27.3	26.8	1.1	359.3	339.9	0.0	99.9	28.8	63.
48.1	110.3	14156.2	150.0	-50.9	9.9	200.6	22.9	22.6	3.7	365.2	339.9	0.0	99.9	31.6	66.
52.6	123.4	15281.1	125.0	-64.7	9.9	206.1	16.9	15.7	6.3	372.9	339.9	0.0	99.9	35.0	67.
56.9	137.0	16541.5	100.0	-68.6	9.9	208.4	11.6	11.4	-0.5	398.5	339.9	0.0	99.9	40.0	68.
62.7	142.0	18358.3	75.0	-70.0	9.9	208.2	5.7	2.7	5.0	428.2	339.9	0.0	99.9	41.8	69.
70.6	153.0	20946.4	50.0	-58.2	9.9	92.6	8.9	-8.9	0.4	508.2	339.9	0.0	99.9	48.0	66.
84.0	165.0	25360.4	25.0	-42.6	9.9	75.2	11.4	-11.0	-2.9	602.9	339.9	0.0	99.9	32.2	63.

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

STATION NO. 232  
BOOTHVILLE, LOUISIANA

9 MAY 1979

187 16. 0

TIME MIN	CMTC	WEIGHT GPH	PHES NO	TEMP DG C	DEV PT DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	Y COMP M/SEC	POT T DG K	E POT F DG K	MR STD GM/KG	RM PCT	RANGE A2 KM	06
0.0	0.0	1011.9	1011.9	27.2	21.3	120.0	5.1	-0.4	2.5	299.3	341.9	10.2	71.0	0.0	0.
0.5	5.4	193.7	1000.0	24.9	20.9	99.9	99.9	99.9	99.9	290.0	339.4	10.0	70.0	999.5	999.
1.0	7.2	327.0	975.0	22.7	20.1	999.9	99.9	99.9	99.9	290.0	330.3	10.4	05.3	999.0	999.
2.3	9.3	550.4	950.0	21.4	17.7	999.9	99.9	99.9	99.9	290.9	330.9	13.0	70.7	999.0	999.
3.0	11.1	780.1	925.0	20.7	17.2	100.3	5.0	1.6	5.0	300.5	330.0	13.5	00.0	0.7	330.
3.9	13.3	1023.1	900.0	19.0	10.1	200.3	0.6	3.0	5.0	301.1	335.0	12.9	03.1	1.0	331.
4.0	13.3	1265.4	875.0	18.3	12.2	200.6	0.7	2.3	0.2	302.9	331.0	10.3	07.0	1.2	300.
5.5	17.4	1510.0	850.0	17.3	7.2	100.3	5.7	0.9	5.0	304.3	325.2	7.5	51.0	1.0	2.
6.4	19.0	1760.0	825.0	16.9	2.6	100.3	4.9	0.0	4.0	304.8	322.0	9.0	30.2	1.0	3.
7.0	21.7	2031.0	802.9	16.0	-3.9	100.3	0.7	0.0	4.0	308.9	319.0	3.0	20.0	2.1	4.
8.3	25.1	2300.6	775.0	15.0	-9.9	100.2	0.7	0.7	4.0	310.0	318.0	2.9	21.3	2.4	5.
9.3	25.2	2570.6	750.0	12.0	-7.0	177.0	5.7	-0.3	4.0	310.0	319.0	2.0	23.0	2.7	4.
10.1	26.6	2859.7	725.0	10.1	-10.1	102.0	5.7	0.2	5.7	310.0	318.0	2.0	22.9	3.0	3.
11.1	31.1	3150.9	700.0	10.3	-20.0	210.9	0.1	2.0	3.0	313.9	317.3	1.0	9.3	3.3	4.
12.4	31.6	3453.3	675.0	10.4	-24.7	251.3	3.0	3.2	1.5	317.3	319.9	0.0	0.5	3.0	0.
13.5	36.0	3765.5	650.0	8.3	-25.7	251.0	4.0	3.0	1.2	318.3	320.7	0.7	0.7	3.5	11.
14.7	38.7	4047.5	625.0	5.0	-25.0	240.6	3.0	3.0	1.0	310.0	321.5	0.0	0.0	3.7	13.
15.9	41.2	4319.2	600.0	2.0	-20.2	270.0	3.3	3.3	-0.0	319.3	321.3	0.6	7.3	3.0	10.
17.1	44.0	4762.4	575.0	1.0	-29.9	325.2	4.2	2.4	-3.0	321.0	323.0	0.5	7.0	3.0	22.
18.4	46.9	5118.5	550.0	-0.9	-31.5	333.6	2.9	1.3	-2.0	323.0	320.7	0.5	7.0	3.0	20.
19.7	49.9	5407.6	525.0	-4.0	-33.5	240.4	1.4	1.3	0.5	323.0	325.1	0.4	7.0	3.5	27.
21.1	52.0	5669.9	500.0	-7.1	-35.4	215.0	3.0	2.1	2.9	320.6	323.0	0.4	0.2	3.7	27.
22.0	55.7	6207.6	475.0	-10.2	-37.5	210.5	4.0	2.9	3.0	325.4	326.6	0.3	0.5	4.1	20.
24.2	59.0	6681.2	450.0	-13.5	-39.7	200.1	6.0	3.1	3.0	320.3	327.3	0.3	0.0	4.0	20.
25.0	62.6	7113.2	425.0	-17.2	-30.7	213.1	9.1	5.0	7.7	320.3	329.3	0.7	29.0	5.3	29.
27.2	65.7	7540.4	400.0	-21.4	-30.0	204.1	9.4	0.1	0.5	327.2	329.9	0.0	45.5	0.2	29.
29.5	68.3	8336.1	375.0	-25.7	-30.3	100.3	9.0	3.1	9.3	327.0	330.4	0.0	05.2	7.1	20.
32.5	73.0	8531.0	350.0	-29.3	-30.0	224.0	11.0	0.2	0.5	329.2	330.7	0.4	42.4	0.1	27.
37.0	77.0	9262.2	325.0	-30.7	-51.0	207.6	10.1	10.9	0.2	320.2	330.0	0.1	10.5	9.5	33.
38.4	81.0	9623.0	300.0	-34.7	-54.0	209.0	10.9	15.0	5.0	330.0	330.7	0.1	10.0	11.2	39.
39.4	85.3	10220.2	275.0	-39.0	99.9	251.0	10.7	17.7	0.1	330.0	999.9	99.9	999.9	13.0	00.
38.5	80.0	10072.0	250.0	-44.2	99.0	232.2	20.0	19.0	0.4	340.3	999.9	99.9	999.9	15.5	00.
41.1	95.0	11549.3	225.0	-49.0	99.9	250.3	19.9	19.5	3.7	342.3	999.9	99.9	999.9	10.1	33.
43.7	103.2	12335.7	200.0	-52.0	99.9	255.1	22.3	21.5	5.7	349.2	999.9	99.9	999.9	21.1	37.
46.0	105.0	13190.8	175.0	-55.3	99.9	253.6	20.6	25.3	7.8	350.0	999.9	99.9	999.9	25.3	00.
50.2	115.5	14163.4	150.0	-59.9	99.9	253.4	23.9	22.7	5.0	340.9	999.9	99.9	999.9	30.0	02.
53.7	119.7	15295.6	125.0	-64.7	99.0	207.0	19.0	17.0	7.2	377.0	999.9	99.9	999.9	35.0	04.
58.4	120.0	16640.0	100.0	-68.1	99.9	200.0	12.2	12.0	2.0	340.2	999.9	99.9	999.9	30.0	05.
63.0	137.0	18352.3	75.0	-70.3	99.9	203.1	5.7	2.2	5.3	425.0	999.9	99.9	999.9	41.0	00.
71.0	140.5	20037.0	50.0	-60.4	99.9	102.0	0.0	-0.0	1.9	501.2	999.9	99.9	999.9	00.7	02.
80.3	154.7	25330.0	25.0	-05.1	99.9	102.0	0.1	-7.0	1.0	055.0	999.9	99.9	999.9	50.0	50.

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

STATION NO. 232  
BOOTHVILLE, LOUISIANA

9 MAY 1979  
2000 GMT

TIME MIN	CHUTE	HEIGHT FOOT	PARCS M9	TEMP D. C	DEB PT DG C	DIP D2	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT I DG K	E PUT I DG K	MR P13 CM/KG	RM PCY	RANGE KM	AZ DG
00	0-1	1-3	1210 N	28-2	22-7	112-0	6-2	-5-9	2-1	302-5	346-4	17-5	72-0	0-0	0-
01	5-1	9-5	1213-2	25-4	21-6	112-0	6-9	-6-1	2-0	295-6	341-8	16-5	79-6	0-2	281-
02	9-2	11-7-9	975-3	23-5	21-5	117-6	4-2	-3-5	1-0	278-9	343-1	16-5	80-5	0-4	297-
03	9-5	14-8-5	975-3	21-7	15-8	161-4	3-2	-1-0	3-0	270-2	340-0	15-5	83-1	0-6	298-
04	11-9	17-5-5	975-3	20-6	17-6	208-8	4-7	2-5	6-2	300-2	337-1	13-9	84-2	0-6	312-
05	15-3	131-5-5	975-3	19-0	18-9	203-1	5-5	2-1	5-1	322-0	338-1	11-9	73-1	0-7	336-
06	15-5	128-7-5	975-3	18-7	12-6	189-5	5-7	0-8	5-6	323-2	332-0	10-6	87-7	1-3	368-
07	17-1	152-1-7	975-3	17-6	9-7	175-0	5-5	-0-4	5-5	326-6	329-3	9-0	60-1	1-3	350-
08	17-5	152-1-7	975-3	17-4	1-7	191-5	5-3	0-1	5-3	337-0	322-1	5-2	34-6	1-6	351-
09	18-2	127-1-5	975-3	14-7	9-2	191-6	5-6	1-1	5-5	337-9	322-0	4-9	34-0	2-0	354-
10	18-7	125-1-3	975-3	14-1	-2-3	191-6	5-1	1-0	5-0	338-9	321-6	4-9	32-8	2-3	354-
11	19-0	125-1-3	975-3	13-7	-8-1	199-1	4-5	1-5	6-3	339-3	320-6	3-8	32-8	2-5	358-
12	19-7	124-8-5	975-3	11-7	-4-9	215-1	4-3	2-5	3-5	339-9	323-0	3-4	33-7	2-7	1-
13	19-9	111-8-4	975-3	10-0	-19-2	240-4	2-9	2-7	1-2	313-6	317-8	1-3	12-2	2-9	4-
14	19-9	106-1-1	675-3	13-5	-23-7	241-2	2-8	2-6	-1-0	317-4	327-2	0-8	7-1	2-9	7-
15	19-9	106-1-1	675-3	7-7	-25-2	292-2	3-3	3-0	-1-2	317-7	327-2	0-8	7-5	2-9	11-
16	19-9	106-1-1	675-3	4-8	-26-5	105-2	3-5	2-8	-2-0	319-6	323-3	0-7	7-0	2-9	16-
17	19-9	67-5-3	675-3	3-3	-27-9	338-9	3-9	1-6	-3-7	319-6	321-9	0-6	8-1	2-7	22-
18	19-9	67-5-3	675-3	3-3	-27-9	338-9	3-9	1-6	-3-7	321-7	321-9	0-6	8-3	2-6	24-
19	19-9	67-5-3	675-3	1-5	-27-9	338-9	3-9	1-6	-3-7	322-7	324-2	0-4	6-9	2-3	29-
20	19-9	513-5-5	575-3	-3-2	-32-7	240-2	2-7	2-1	-1-7	322-7	324-2	0-4	6-9	2-3	29-
21	19-9	513-5-5	575-3	-4-3	-35-2	240-2	3-0	2-7	1-2	323-2	326-5	0-3	6-0	2-6	35-
22	19-9	513-5-5	575-3	-6-9	-37-4	233-6	4-7	3-7	3-2	324-7	329-9	0-3	6-0	2-6	35-
23	19-9	513-5-5	575-3	-10-3	-34-3	232-7	6-4	5-1	3-9	325-3	326-2	0-3	7-1	3-1	37-
24	19-9	513-5-5	575-3	-17-3	-34-3	232-7	6-4	5-1	3-9	326-7	329-0	0-7	21-5	3-7	39-
25	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
26	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
27	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
28	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
29	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
30	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
31	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
32	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
33	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
34	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
35	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
36	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
37	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
38	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
39	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
40	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
41	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
42	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
43	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
44	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
45	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
46	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
47	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
48	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
49	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
50	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
51	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
52	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
53	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
54	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
55	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
56	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
57	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
58	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
59	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
60	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
61	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
62	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
63	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
64	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
65	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
66	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
67	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
68	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
69	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
70	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
71	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
72	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
73	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
74	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
75	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
76	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
77	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
78	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
79	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
80	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7	21-5	3-7	39-
81	19-9	513-5-5	575-3	-13-1	-35-5	228-6	9-1	6-2	6-7	326-7	329-0	0-7			

STATION NO. 232  
SOUTHVILLE, LOUISIANA

9 MAY 1979  
2300 GMT

180 23. 0

TIME MIN	CHFT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT Y DEG K	WIND CM/SEC	RM PCT	RANGE MI	AZ DEG
0.0	0.5	1.0	1000.0	20.7	22.0	100.0	0.7	-5.0	1.0	299.0	205.0	17.0	70.0	0.0	0.0
0.3	3.2	0.3	1000.0	20.6	22.0	116.2	0.7	-0.1	2.0	297.0	203.0	17.0	60.5	0.2	295.0
1.0	7.1	309.0	975.0	21.1	21.0	120.4	0.5	-3.0	2.7	290.4	202.0	17.2	62.0	0.3	297.0
1.9	9.2	536.7	950.0	21.4	19.9	145.0	0.6	-2.5	3.0	289.9	200.0	18.0	61.0	0.5	300.0
2.7	11.1	768.5	925.0	20.0	18.5	157.9	3.0	-1.0	3.4	289.0	200.0	18.7	67.0	0.7	313.0
3.6	13.3	1006.2	900.0	19.0	18.0	159.0	3.7	-0.0	3.4	302.0	206.2	18.7	77.3	0.9	319.0
4.6	15.0	1230.1	875.0	18.2	12.0	165.5	3.3	-0.0	3.2	302.7	202.0	18.0	71.3	1.1	322.0
5.4	17.5	1497.2	850.0	18.7	7.0	190.0	3.3	1.0	3.2	303.7	203.1	17.7	50.5	1.2	327.0
6.4	19.0	1751.1	825.0	18.3	5.0	202.0	3.7	1.5	3.5	300.0	203.0	17.7	50.2	1.0	330.0
7.4	21.9	2011.7	800.0	18.5	-1.0	197.0	3.0	1.0	2.0	300.4	219.1	17.3	33.9	1.5	340.0
8.2	25.3	2279.7	775.0	18.5	-1.0	200.0	1.7	0.0	1.0	300.3	221.2	17.3	35.2	1.0	342.0
9.2	29.0	2554.6	750.0	18.3	-0.2	227.0	2.0	1.0	1.4	300.9	216.6	17.3	29.0	1.3	345.0
10.2	32.1	2830.2	725.0	18.0	-23.0	234.2	2.0	2.3	1.7	313.5	210.1	17.3	6.0	1.7	351.0
11.3	31.7	3132.8	700.0	12.4	-25.1	260.3	1.7	1.7	0.3	310.2	210.0	17.3	5.5	1.0	355.0
12.4	30.2	3435.3	675.0	9.0	-26.4	280.0	1.0	0.0	-0.3	310.0	210.0	17.3	5.0	1.0	350.0
13.5	30.7	3740.0	650.0	7.2	-27.5	311.7	1.2	0.0	-0.0	317.1	210.1	17.3	6.1	1.7	350.0
14.7	32.6	4067.5	625.0	6.7	-29.1	331.1	1.5	0.7	-1.3	317.8	210.7	17.3	6.4	1.7	350.0
15.7	37.1	4396.4	600.0	3.2	-32.1	355.0	2.0	0.2	-2.5	319.0	221.3	17.3	5.3	1.5	350.0
16.7	42.1	4742.2	575.0	1.3	-34.9	331.0	2.7	1.2	-2.4	321.5	221.0	17.3	6.7	1.3	350.0
17.4	48.1	5197.0	550.0	-1.5	-35.0	282.2	3.0	3.3	-0.7	327.3	223.0	17.3	7.0	1.2	350.0
18.4	53.9	5665.0	525.0	-0.2	-35.7	263.2	0.0	0.7	0.0	324.2	223.0	17.3	6.0	1.3	350.0
19.6	50.0	6065.7	500.0	-7.0	-34.7	241.0	7.4	0.5	3.5	323.0	220.0	17.3	6.1	1.7	350.0
21.0	50.0	6493.0	475.0	-10.3	-29.9	223.1	9.0	0.0	7.2	325.2	220.0	17.3	10.3	2.0	350.0
22.0	57.1	6937.7	450.0	-13.9	-27.0	215.0	10.2	5.0	0.2	325.7	220.0	17.3	31.0	3.3	350.0
23.0	65.1	7397.0	425.0	-19.4	-27.0	210.0	10.0	6.0	0.5	325.4	220.0	17.3	43.0	4.3	350.0
24.0	67.0	7836.9	400.0	-22.5	-28.0	232.2	11.1	0.0	0.7	329.7	220.7	17.3	56.0	5.3	350.0
25.0	71.3	8208.0	375.0	-20.2	-31.0	250.1	12.0	12.4	3.1	329.5	220.0	17.3	5.0	0.3	350.0
26.0	75.3	8589.0	350.0	-27.5	-33.3	250.0	15.0	10.4	3.0	331.7	220.0	17.3	5.1	7.0	31.0
27.0	78.5	8938.0	325.0	-31.2	-37.5	252.7	18.3	15.0	4.0	333.6	220.0	17.3	5.5	9.0	50.0
28.4	83.7	9300.0	300.0	-35.2	-39.9	252.5	10.9	10.1	0.7	337.7	220.0	17.3	6.0	11.0	50.0
29.7	88.2	9700.0	275.0	-40.1	-39.0	250.1	20.3	19.7	0.9	337.2	220.0	17.3	99.0	10.1	62.0
30.0	93.0	10045.0	250.0	-45.1	-39.0	250.1	10.2	17.0	3.4	330.0	220.0	17.3	99.0	10.7	60.0
31.0	90.2	11540.0	225.0	-50.0	-30.0	250.0	20.1	19.5	0.6	341.0	220.0	17.3	99.0	19.0	60.0
32.3	103.7	12104.5	200.0	-52.0	-30.0	250.0	25.0	20.0	0.5	349.4	220.0	17.3	75.0	24.3	60.0
33.0	117.0	13159.0	175.0	-50.5	-30.0	250.0	25.7	25.0	0.0	350.7	220.0	17.3	99.0	20.0	70.0
34.0	110.5	14111.0	150.0	-60.2	-30.0	250.0	20.1	19.0	0.4	340.4	220.0	17.3	99.0	33.2	71.0
35.0	120.0	15256.0	125.0	-60.0	-30.0	250.0	17.1	10.0	2.0	370.7	220.0	17.3	99.0	37.0	72.0
36.0	131.3	16414.0	100.0	-67.0	-30.0	250.0	9.0	9.2	3.0	397.2	220.0	17.3	99.0	42.0	73.0
37.0	141.3	18222.7	75.0	-69.0	-30.0	160.0	0.0	-1.0	0.7	427.5	220.0	17.3	99.0	40.0	72.0
38.0	150.5	20304.2	50.0	-60.4	-30.0	07.0	7.0	-7.0	-0.2	501.2	220.0	17.3	99.0	40.0	70.0
39.0	160.3	23279.0	25.0	-60.7	-30.0	99.0	99.0	99.0	99.0	650.7	220.0	17.3	99.0	90.0	99.0

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

STATION NO. 232  
BOOTHVILLE, LOUISIANA  
10 MAY 1979  
200 GMT

TIME ML	CNCT	HEIGHT SDM	QFE MS	TEMP C	DEW PT C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V CG K	E POT T CG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
000	4.5	1011.0	1011.0	23.3	22.6	100.0	3.1	-3.1	0.5	295.5	343.4	17.4	95.0	0.0	0.
006	5.3	975.3	1000.0	25.7	23.0	120.4	6.9	-5.5	4.1	296.9	343.5	18.0	95.5	0.2	293.
012	7.5	314.8	975.0	23.8	22.6	131.2	6.9	-5.2	4.6	299.2	346.3	18.0	92.7	0.5	301.
018	9.9	547.7	950.0	22.7	22.0	138.1	6.7	-4.8	4.7	300.2	346.7	16.1	86.6	0.8	306.
024	12.0	74.0	475.0	21.6	17.3	139.9	5.3	-3.5	4.0	300.4	336.6	13.6	81.4	1.1	309.
030	14.6	1317.3	200.0	19.1	15.3	143.9	4.3	-2.5	3.5	301.2	335.4	12.8	81.9	1.3	311.
036	16.5	1255.8	475.0	18.2	14.2	152.1	3.6	-1.3	3.3	301.7	332.5	11.6	82.7	1.5	316.
042	19.1	1537.0	450.0	17.2	12.7	163.6	3.1	-1.0	2.9	304.2	319.8	5.5	37.9	1.7	316.
048	21.4	1711.7	575.0	16.8	11.2	181.6	1.5	0.0	1.5	306.4	319.7	4.3	29.3	1.8	316.
054	24.0	2223.1	675.0	15.3	9.4	139.9	2.6	-2.1	1.9	307.5	319.2	4.0	29.3	1.9	317.
060	26.9	2744.2	775.0	13.3	7.0	119.7	3.7	-3.3	1.8	308.1	319.0	3.7	29.0	2.1	317.
066	29.3	2871.1	875.0	11.7	4.1	106.0	2.2	-1.5	1.6	311.9	315.7	1.3	18.2	2.3	315.
072	31.5	2851.2	975.0	11.0	3.4	148.5	1.1	0.0	1.1	313.7	315.6	1.0	7.4	2.4	316.
078	34.7	3182.0	1075.0	10.1	2.1	235.3	0.9	0.5	-0.4	315.9	319.0	0.9	7.5	2.4	317.
084	37.7	3487.1	675.0	10.3	1.3	322.5	1.5	0.9	-1.2	317.1	320.1	0.9	7.6	2.3	316.
090	40.4	3752.1	575.0	9.2	0.2	302.5	2.0	1.6	-1.3	318.2	321.0	0.8	7.8	2.2	316.
096	43.4	4023.1	675.0	8.2	-2.4	278.2	1.9	1.8	-0.3	319.1	321.6	0.7	8.1	2.0	318.
102	46.4	4293.1	625.0	5.9	-2.4	278.2	0.9	0.9	-0.2	320.0	322.4	0.7	8.3	2.0	320.
108	49.4	4563.1	575.0	3.8	-2.7	291.0	0.9	0.9	-2.3	321.1	323.4	0.7	8.6	1.9	310.
114	52.4	4833.1	575.0	3.0	-2.7	291.0	2.3	-0.3	-2.3	321.1	323.4	0.7	8.6	1.9	310.
120	55.4	5103.1	575.0	1.9	-2.7	11.7	4.3	-0.9	-2.8	322.1	324.2	0.7	11.6	1.8	311.
126	58.4	5373.1	575.0	-0.3	-3.2	140.9	3.0	1.0	-2.8	322.1	324.2	0.6	11.9	1.6	302.
132	61.4	5643.1	575.0	-0.5	-3.2	262.5	4.2	4.1	0.7	322.7	324.8	0.5	12.2	1.5	309.
138	64.4	5913.1	475.0	-1.6	-3.1	231.1	7.0	6.0	3.6	323.6	325.6	0.6	12.2	1.3	324.
144	67.4	6183.1	450.0	-1.6	-3.1	231.1	7.9	6.4	4.5	323.1	325.2	0.6	12.2	1.4	346.
150	70.4	6453.1	425.0	-1.5	-3.1	231.1	9.2	6.0	6.4	324.0	326.2	0.6	12.2	1.8	11.
156	73.4	6723.1	425.0	-1.5	-3.1	231.1	10.3	9.3	6.4	324.0	326.2	0.6	12.2	2.0	22.
162	76.4	6993.1	425.0	-1.5	-3.1	231.1	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
168	79.4	7263.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
174	82.4	7533.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
180	85.4	7803.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
186	88.4	8073.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
192	91.4	8343.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
198	94.4	8613.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
204	97.4	8883.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
210	100.4	9153.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
216	103.4	9423.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
222	106.4	9693.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
228	109.4	9963.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
234	112.4	10233.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
240	115.4	10503.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
246	118.4	10773.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
252	121.4	11043.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
258	124.4	11313.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
264	127.4	11583.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
270	130.4	11853.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
276	133.4	12123.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
282	136.4	12393.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
288	139.4	12663.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
294	142.4	12933.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
300	145.4	13203.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
306	148.4	13473.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
312	151.4	13743.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
318	154.4	14013.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
324	157.4	14283.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
330	160.4	14553.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
336	163.4	14823.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
342	166.4	15093.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
348	169.4	15363.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
354	172.4	15633.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
360	175.4	15903.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
366	178.4	16173.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
372	181.4	16443.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
378	184.4	16713.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
384	187.4	16983.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
390	190.4	17253.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
396	193.4	17523.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
402	196.4	17793.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
408	199.4	18063.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
414	202.4	18333.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
420	205.4	18603.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
426	208.4	18873.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
432	211.4	19143.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
438	214.4	19413.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
444	217.4	19683.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
450	220.4	19953.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
456	223.4	20223.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
462	226.4	20493.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
468	229.4	20763.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
474	232.4	21033.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
480	235.4	21303.1	375.0	-1.4	-3.1	257.7	11.0	10.7	7.3	324.4	330.0	0.2	11.1	3.4	40.
486	238.4	21573.1	375.0	-1.4	-3.1										

STATION NO. 232  
BOOTHVILLE, LOUISIANA

TIME M/M	CMTCY	WEIGHT GPM	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG R	E POT T DG R	MX WTD GM/SG	RM PCY	RANGE RM	AZ DG	100	
																IS.	0
0-0	4-1	1-0	1011-0	23-2	22-2	110-0	2-6	-2-4	0-9	298-4	329-8	10-9	94-0	0-0	0-0	0-0	0-0
0-2	5-1	102-2	1000-0	23-0	22-7	99-9	99-9	99-9	99-9	294-2	341-7	17-6	97-7	99-9	99-9	99-9	0-0
1-0	7-0	323-9	975-0	21-9	21-5	99-9	99-9	99-9	99-9	297-2	341-0	10-6	97-5	99-9	99-9	99-9	0-0
1-8	9-2	550-3	950-0	21-9	19-8	99-9	99-9	99-9	99-9	299-4	340-3	15-5	88-0	99-9	99-9	99-9	0-0
2-6	11-2	782-5	925-0	20-4	19-6	99-9	99-9	99-9	99-9	300-2	341-7	19-7	94-9	99-9	99-9	99-9	0-0
3-5	13-4	1019-3	900-0	18-2	17-4	99-9	99-9	99-9	99-9	300-3	347-8	14-1	95-0	99-9	99-9	99-9	0-0
4-3	15-6	1200-7	875-0	16-2	15-9	99-9	99-9	99-9	99-9	300-6	331-8	11-5	86-1	99-9	99-9	99-9	0-0
5-1	17-8	1507-5	850-0	15-3	6-9	99-9	99-9	99-9	99-9	302-2	325-0	0-5	66-2	99-9	99-9	99-9	0-0
5-9	20-2	1700-5	825-0	14-9	-2-0	99-9	99-9	99-9	99-9	300-4	316-0	0-0	31-3	99-9	99-9	99-9	0-0
6-4	22-4	2320-8	800-0	14-3	-3-1	99-9	99-9	99-9	99-9	300-4	317-5	3-0	29-0	99-9	99-9	99-9	0-0
7-8	24-9	2287-7	775-0	13-1	-10-2	99-9	99-9	99-9	99-9	307-9	316-8	2-3	18-9	99-9	99-9	99-9	0-0
8-7	27-2	2503-1	750-0	13-0	-30-1	101-1	3-6	0-1	3-0	310-7	312-3	0-9	3-7	3-4	32-3	3-5	32-3
9-7	29-9	2837-3	725-0	13-0	-61-9	204-5	1-4	0-6	1-3	313-8	314-2	0-1	1-0	3-5	32-3	3-5	32-3
10-6	32-4	3183-0	700-0	12-8	-62-6	154-5	0-6	-0-3	0-5	315-8	316-2	0-1	1-0	3-5	32-3	3-5	32-3
11-6	35-1	3493-4	675-0	9-8	-63-9	45-2	1-2	-0-8	-0-8	318-6	317-1	0-1	1-0	3-5	32-3	3-5	32-3
12-4	37-7	3755-7	650-0	0-5	-64-7	354-1	3-5	0-4	-3-4	318-6	319-0	0-1	1-0	3-5	32-3	3-5	32-3
13-8	40-5	4078-1	625-0	0-3	-66-1	311-0	4-2	3-1	-1-7	319-6	320-0	0-1	1-0	3-5	32-3	3-5	32-3
15-0	43-2	4411-0	600-0	4-2	-67-4	290-4	4-0	3-7	-1-4	321-0	321-3	0-1	1-0	3-5	32-3	3-5	32-3
16-1	46-2	4754-8	575-0	1-1	-66-5	325-6	2-6	1-5	-2-1	321-3	321-7	0-1	1-5	2-7	32-3	2-7	32-3
17-2	49-3	5109-7	550-0	-2-3	-36-7	358-5	3-1	0-1	-3-1	321-4	322-7	0-4	0-2	2-6	32-3	2-6	32-3
19-5	52-1	5476-9	525-0	-5-4	-36-4	349-4	4-7	0-9	-0-6	322-0	323-1	0-3	0-5	2-3	32-3	2-3	32-3
19-7	55-3	5837-0	500-0	-8-2	-36-0	335-3	5-2	2-2	-0-7	321-9	323-1	0-3	0-8	1-9	318-	1-9	318-
21-0	58-6	6253-8	475-0	-13-1	-35-1	304-4	5-1	4-2	-0-9	321-8	323-1	0-4	12-3	1-6	317-	1-6	317-
22-6	62-1	6659-5	450-0	-16-9	-36-7	282-2	4-9	4-8	-1-0	322-0	323-3	0-4	10-0	1-2	320-	1-2	320-
23-9	65-6	7085-0	425-0	-20-9	-36-0	271-7	5-6	5-5	-0-2	322-2	323-6	0-4	22-6	1-0	315-	1-0	315-
25-5	69-3	7531-2	400-0	-22-1	-50-8	258-3	9-6	9-2	1-9	320-2	326-6	0-1	5-4	1-2	23-	1-2	23-
27-2	73-0	8003-7	375-0	-24-1	-56-9	269-4	10-4	10-4	0-1	320-7	329-9	0-0	3-0	1-9	52-	1-9	52-
28-8	77-0	8502-8	350-0	-28-3	-53-9	274-5	13-4	13-3	-1-1	330-6	330-9	0-1	6-5	2-9	67-	2-9	67-
31-5	81-0	9030-6	325-0	-31-9	-60-4	269-7	14-4	14-4	0-1	332-8	332-9	0-0	4-0	4-3	76-	4-3	76-
32-5	85-4	9591-2	300-0	-34-4	-62-0	258-6	15-0	14-7	3-0	330-1	334-2	0-0	4-5	5-0	78-	5-0	78-
34-6	90-0	10188-2	275-0	-41-0	99-9	257-5	10-0	18-5	4-1	335-8	999-9	99-9	99-9	0-0	78-	0-0	78-
36-9	95-0	10829-3	250-0	-46-1	99-9	253-9	21-3	20-5	5-9	337-6	999-9	99-9	99-9	1-0	78-	1-0	78-
39-5	100-2	11522-9	225-0	-50-3	99-9	251-1	22-8	21-6	7-4	341-4	999-9	99-9	99-9	1-3	76-	1-3	76-
42-2	105-8	12295-6	200-0	-54-0	99-9	259-2	23-0	23-4	4-5	347-3	999-9	99-9	99-9	17-8	76-	17-8	76-
45-4	111-7	13134-9	175-0	-57-4	99-9	265-4	25-9	26-8	2-2	353-2	999-9	99-9	99-9	24-0	77-	24-0	77-
48-8	118-5	14103-1	150-0	-60-4	99-9	265-3	25-0	25-8	2-1	360-1	999-9	99-9	99-9	28-4	79-	28-4	79-
53-0	126-0	15235-3	125-0	-63-5	99-9	260-9	20-3	20-1	3-2	370-4	999-9	99-9	99-9	33-9	80-	33-9	80-
59-0	134-3	16572-3	100-0	-69-1	99-9	250-4	13-2	12-5	6-4	300-3	999-9	99-9	99-9	38-8	80-	38-8	80-
63-8	142-3	18271-4	75-0	-72-0	99-9	184-0	4-8	-1-3	4-7	421-0	999-9	99-9	99-9	41-4	78-	41-4	78-
72-3	151-0	20719-9	50-0	-84-3	99-9	93-0	9-6	-0-6	0-5	495-0	999-9	99-9	99-9	36-5	75-	36-5	75-
87-2	189-7	25186-0	25-0	-87-7	99-9	00-0	11-4	-11-3	-0-7	640-1	999-9	99-9	99-9	30-7	74-	30-7	74-

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

STATION NO. 232  
BOOFVILLE, LOUISIANA  
10 MAY 1979  
800 GMT

TIME ML	CHFCY	HLGHT JMB	PRES MB	TEMP DS C	DEW PT DS C	DIR DS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y OG K	E POT T OG K	MR HTO GM/KG	RH PCT	RANGE KM	AZ DG
000	000	100	1013.4	22.1	21.0	130.0	3.1	-2.0	2.4	248.4	316.4	16.3	97.0	0.0	00
005	005	100	1013.0	23.0	20.9	130.0	9.4	-2.1	7.4	296.1	336.8	15.7	87.4	0.3	315
010	010	100	1012.0	24.0	19.4	130.0	6.1	-3.3	7.4	299.4	336.2	14.7	73.1	0.5	324
015	015	100	1011.0	22.5	19.5	130.0	7.9	-3.2	7.4	300.0	342.4	15.3	83.4	0.9	331
020	020	100	1010.0	22.7	17.6	130.0	8.1	-3.2	7.4	300.5	337.3	13.8	82.1	1.3	334
025	025	100	1009.0	19.5	16.4	130.0	7.1	-2.6	6.6	320.6	335.7	13.2	82.8	1.7	334
030	030	100	1008.0	17.0	13.6	130.0	8.2	-2.1	6.0	321.5	337.0	11.3	80.5	2.0	336
035	035	100	1007.0	16.4	-2.2	130.0	9.6	-3.5	6.9	333.4	318.9	4.0	29.4	2.4	337
040	040	100	1006.0	15.4	-0.1	130.0	10.1	-4.5	9.1	324.9	316.1	4.5	30.6	2.0	337
045	045	100	1005.0	13.2	3.4	130.0	9.1	-3.7	8.3	315.2	317.6	6.2	51.8	3.0	336
050	050	100	1004.0	11.4	1.4	130.0	7.4	-2.2	7.0	326.0	322.1	5.6	51.6	3.0	336
055	055	100	1003.0	12.2	-2.8	130.0	4.6	1.0	4.5	329.9	311.4	0.5	3.9	4.3	339
060	060	100	1002.0	13.0	-3.0	230.9	3.2	2.1	2.4	313.7	316.3	0.2	1.4	4.4	341
065	065	100	1001.0	13.0	-3.9	237.8	3.6	1.7	3.2	314.5	315.1	0.2	1.6	4.7	342
070	070	100	1000.0	9.3	-3.9	182.4	2.8	0.1	2.7	316.0	316.7	0.2	1.6	4.7	342
075	075	100	1000.0	7.3	-3.4	132.5	1.5	-1.2	0.9	317.2	317.9	0.2	2.0	4.9	345
080	080	100	1000.0	5.8	-3.4	9.7	2.3	-0.0	-2.3	318.0	319.6	0.2	2.2	4.9	345
085	085	100	1000.0	4.4	-3.7	32.6	4.5	2.7	-3.6	321.2	322.5	0.4	4.1	4.6	345
090	090	100	1000.0	1.1	-3.3	118.8	5.2	3.4	-3.9	321.3	322.7	0.4	5.7	4.2	347
095	095	100	1000.0	-2.4	-3.0	314.3	5.1	3.6	-3.6	321.2	323.3	0.5	6.9	3.9	352
100	100	100	1000.0	-5.7	-3.2	315.7	4.8	3.3	-3.6	321.6	323.1	0.6	9.2	3.5	352
105	105	100	1000.0	-9.6	-3.4	314.0	4.8	3.4	-3.3	321.3	323.2	0.6	10.9	3.1	00
110	110	100	1000.0	-13.5	-3.5	313.4	7.1	5.1	-4.9	321.3	323.3	0.6	20.0	2.9	70
115	115	100	1000.0	-17.7	-3.6	313.4	9.4	7.5	-6.4	321.0	323.7	0.5	23.3	2.5	22
120	120	100	1000.0	-21.9	-3.2	320.0	10.6	9.2	-5.3	321.0	322.5	0.4	28.6	2.4	45
125	125	100	1000.0	-23.6	-4.2	295.2	9.3	9.9	-2.4	324.3	328.7	0.1	8.2	2.9	61
130	130	100	1000.0	-26.0	-5.4	293.3	10.8	10.5	-2.5	327.2	327.4	0.1	5.6	3.7	71
135	135	100	1000.0	-29.3	-5.4	274.2	10.8	10.6	-1.7	329.2	329.5	0.1	5.9	4.6	78
140	140	100	1000.0	-32.5	-5.4	266.5	12.1	12.1	0.7	331.9	332.1	0.0	6.3	5.8	81
145	145	100	1000.0	-36.8	-6.2	281.9	14.1	14.0	2.0	333.6	333.7	0.0	5.7	7.4	82
150	150	100	1000.0	-41.4	9.9	269.4	15.6	15.4	2.6	335.2	999.9	99.9	99.9	9.2	81
155	155	100	1000.0	-46.2	5.7	259.8	19.3	19.0	3.4	337.5	999.9	99.9	99.9	11.8	81
160	160	100	1000.0	-49.1	9.9	267.3	21.5	21.5	1.0	343.3	999.9	99.9	99.9	15.1	81
165	165	100	1000.0	-53.4	9.9	274.4	20.3	20.2	-1.6	347.6	999.9	99.9	99.9	18.5	81
170	170	100	1000.0	-56.7	9.9	277.4	26.9	26.9	1.2	356.3	999.9	99.9	99.9	22.8	85
175	175	100	1000.0	-60.6	9.9	272.5	27.8	27.8	-1.2	365.7	999.9	99.9	99.9	29.1	85
180	180	100	1000.0	-65.9	9.9	268.7	19.8	19.8	0.4	375.6	999.9	99.9	99.9	35.1	87
185	185	100	1000.0	-70.1	9.9	253.9	14.9	14.3	4.1	392.3	999.9	99.9	99.9	39.9	86
190	190	100	1000.0	-73.9	9.9	196.1	5.8	0.6	5.1	424.3	999.9	99.9	99.9	43.4	86
195	195	100	1000.0	-63.5	9.9	34.5	8.7	-8.7	8.7	494.0	999.9	99.9	99.9	41.7	83
200	200	100	1000.0	-69.7	9.9	999.9	99.9	99.9	99.9	612.1	999.9	99.9	99.9	34.4	83

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

STATION NO. 232  
BOOTHVILLE, LOUISIANA

10 MAY 1979 1100 GMT

TIME M/Y	CMTCY	WEIGHT 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	RX WTS GM/KG	RH PCT	RANGE AZ EN DG
00.0	4.4	1.0	1011.1	22.0	22.3	140.0	3.1	-2.0	2.4	295.0	338.9	17.0	97.0	0.0
0.3	5.2	97.9	1000.0	22.0	22.3	171.3	7.0	-1.1	0.9	296.1	341.1	17.4	97.4	0.3 352.
3.2	7.1	319.5	975.0	22.2	20.8	174.0	7.7	-0.8	7.7	297.5	339.4	16.1	91.9	0.6 352.
2.1	9.2	546.9	950.0	22.9	23.0	177.4	6.7	-0.4	6.6	300.4	341.9	15.7	83.6	1.0 354.
3.0	11.2	779.0	925.0	21.0	17.6	181.3	10.2	0.2	10.2	300.7	337.7	13.9	81.4	1.9 354.
3.9	13.4	1016.8	900.0	19.5	14.2	181.5	11.5	0.3	11.8	301.6	332.5	11.5	71.7	2.1 356.
4.7	15.4	1253.2	875.0	18.1	11.1	181.5	10.4	0.3	10.4	302.6	328.6	9.5	63.6	2.7 356.
5.6	17.5	1507.0	850.0	16.8	11.2	183.0	8.6	0.3	8.6	303.6	331.0	9.0	60.4	3.1 359.
6.7	19.9	1761.4	825.0	15.4	9.8	203.6	3.4	1.4	3.1	305.1	319.3	5.0	36.8	3.4 360.
7.5	22.0	2021.6	800.0	13.0	-14.0	202.6	3.2	1.4	3.0	307.1	312.1	1.6	12.1	3.8 1.
8.5	24.8	2289.9	775.0	10.3	-17.0	200.8	3.9	1.4	3.6	309.2	313.3	1.3	9.9	3.7 2.
9.4	26.6	2566.2	750.0	8.2	-24.3	200.2	5.2	1.6	6.9	312.0	314.3	0.7	5.3	4.0 3.
10.3	29.1	2951.0	725.0	13.1	-20.4	198.7	3.6	1.1	3.4	313.9	316.2	0.7	5.4	4.2 4.
11.3	31.7	3444.6	700.0	11.6	-25.6	128.3	1.7	-1.3	1.1	315.4	317.6	0.7	5.5	4.4 5.
12.6	34.2	3845.9	675.0	9.4	-26.8	303.7	3.4	-1.7	-2.9	316.1	318.3	0.6	5.6	4.3 3.
13.7	36.7	4259.2	650.0	7.9	-27.5	9.3	6.8	-0.8	-0.8	317.9	320.0	0.6	5.9	4.0 2.
14.9	39.4	4700.3	625.0	6.5	-29.3	5.5	4.8	-0.5	-0.8	319.9	321.9	0.6	6.1	3.7 2.
16.2	41.1	4814.1	600.0	4.7	-29.4	358.2	6.6	0.1	-0.6	321.6	323.5	0.6	6.2	3.4 2.
17.2	44.3	4759.7	575.0	1.5	-27.4	346.9	5.4	1.2	-0.3	321.6	324.2	0.7	9.3	3.0 3.
18.4	47.7	5114.0	550.0	-2.2	-27.5	329.0	6.3	3.2	-0.4	321.5	324.0	0.7	12.2	2.6 7.
19.4	50.8	5481.0	525.0	-3.8	-24.5	316.5	7.1	5.1	-0.0	321.5	323.6	0.6	12.9	2.3 17.
21.0	53.6	5863.7	500.0	-9.3	-31.0	306.3	7.0	5.7	-0.2	321.7	323.7	0.6	15.2	2.1 31.
22.4	56.6	6254.6	475.0	-13.1	-32.0	311.4	7.8	5.9	-0.2	321.8	323.7	0.5	18.5	2.2 47.
23.9	60.0	6662.8	450.0	-17.5	-31.9	312.3	8.9	6.6	-0.0	321.3	323.3	0.6	27.1	2.3 66.
25.4	63.4	7089.1	425.0	-21.6	-31.7	305.5	8.6	7.0	-0.0	321.3	323.5	0.6	39.2	2.0 81.
26.9	66.7	7531.2	400.0	-25.6	-33.9	290.8	7.9	7.4	-2.8	321.7	323.6	0.5	45.6	3.4 89.
28.5	70.6	7996.3	375.0	-28.6	-32.6	271.7	9.3	9.3	-0.3	320.4	326.6	0.1	6.5	4.4 92.
31.2	74.0	8494.4	350.0	-29.6	-54.5	261.8	11.9	11.7	1.7	328.0	329.1	0.1	7.8	5.8 89.
33.6	78.0	9020.9	325.0	-32.0	-56.0	264.6	13.3	13.3	1.3	322.6	332.8	9.1	7.1	7.7 88.
36.3	82.0	9561.0	300.0	-36.4	-59.0	264.5	13.0	13.0	1.3	316.1	336.3	0.0	7.5	9.7 87.
39.1	86.3	10178.4	275.0	-41.9	99.9	271.9	17.1	17.1	-0.6	335.9	999.9	99.9	99.9	12.2 87.
42.0	91.0	10821.0	250.0	-44.7	99.9	271.5	18.1	18.1	-0.5	339.7	999.9	99.9	99.9	15.3 89.
45.3	95.9	11519.9	225.0	-49.0	99.9	269.2	19.4	19.4	0.3	343.4	999.9	99.9	99.9	18.1 88.
48.5	101.2	12293.3	200.0	-53.4	99.9	267.8	23.5	23.5	0.9	348.1	999.9	99.9	99.9	23.3 89.
52.6	107.0	13137.7	175.0	-55.9	99.9	273.3	28.5	26.5	-2.0	337.6	999.9	99.9	99.9	29.2 99.
56.8	113.5	14108.1	150.0	-60.5	99.9	273.0	21.2	21.1	-1.4	365.1	999.9	99.9	99.9	35.6 90.
61.9	120.7	15231.7	125.0	-65.1	99.9	258.7	16.2	15.9	3.2	377.0	999.9	99.9	99.9	41.2 90.
67.4	128.7	16375.5	100.0	-69.0	99.9	237.9	18.6	8.5	5.3	394.4	999.9	99.9	99.9	45.6 88.
74.6	137.7	18271.5	75.0	-72.5	99.9	137.6	6.2	-4.2	4.8	420.9	999.9	99.9	99.9	48.9 86.
80.2	147.0	20735.2	50.0	-59.7	99.9	84.1	9.8	-8.9	-0.9	502.9	999.9	99.9	99.9	41.7 89.
90.4	156.3	25221.5	25.0	-67.9	99.9	83.3	9.3	-9.3	-0.8	607.2	999.9	99.9	99.9	36.0 89.

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



STATION NO. 235  
JACKSON, MISSISSIPPI  
9 MAY 1979  
1105 GMT

TIME	CNCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	PQT	E PQT	WE WIND	RM	RM	RM	RM	RM	RM
MI.		FT	MB	°C	°C	°	M/SEC	M/SEC	M/SEC	°C	°C	GM/KG	PCY	PCY	PCY	PCY	PCY	PCY
000	6.1	91.7	1030.0	20.2	19.0	120.0	1.5	-1.3	0.7	293.4	331.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
005	9.0	91.7	1029.0	19.9	18.9	120.0	0.9	0.9	0.9	293.9	329.9	14.6	90.0	90.0	90.0	90.0	90.0	90.0
010	9.6	91.7	1028.0	19.6	18.7	120.0	0.6	-0.3	0.6	294.9	328.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
015	10.7	91.7	1027.0	19.3	18.3	120.0	0.4	-0.3	0.8	296.4	327.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
020	13.1	91.7	1025.0	18.9	18.5	120.0	0.1	-0.3	0.5	298.0	326.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
025	14.5	91.7	1023.0	18.5	18.2	120.0	0.1	-0.2	0.8	299.0	325.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
030	14.5	91.7	1021.0	18.2	18.1	120.0	0.4	-0.2	0.8	300.4	323.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
035	14.5	91.7	1019.0	18.1	18.1	120.0	0.4	-0.2	0.8	301.6	322.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
040	14.5	91.7	1017.0	18.0	18.0	120.0	0.3	-0.6	0.8	302.6	321.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
045	14.5	91.7	1015.0	17.9	17.9	120.0	0.3	-0.6	0.8	303.6	320.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
050	14.5	91.7	1013.0	17.8	17.8	120.0	0.3	-0.6	0.8	304.6	319.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
055	14.5	91.7	1011.0	17.7	17.7	120.0	0.3	-0.6	0.8	305.6	317.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
060	14.5	91.7	1009.0	17.7	17.7	120.0	0.3	-0.6	0.8	306.6	316.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
065	14.5	91.7	1007.0	17.7	17.7	120.0	0.3	-0.6	0.8	307.6	315.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
070	14.5	91.7	1005.0	17.7	17.7	120.0	0.3	-0.6	0.8	308.6	314.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
075	14.5	91.7	1003.0	17.7	17.7	120.0	0.3	-0.6	0.8	309.6	313.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
080	14.5	91.7	1001.0	17.7	17.7	120.0	0.3	-0.6	0.8	310.6	311.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
085	14.5	91.7	999.0	17.7	17.7	120.0	0.3	-0.6	0.8	311.6	310.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
090	14.5	91.7	997.0	17.7	17.7	120.0	0.3	-0.6	0.8	312.6	309.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
095	14.5	91.7	995.0	17.7	17.7	120.0	0.3	-0.6	0.8	313.6	308.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
100	14.5	91.7	993.0	17.7	17.7	120.0	0.3	-0.6	0.8	314.6	307.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
105	14.5	91.7	991.0	17.7	17.7	120.0	0.3	-0.6	0.8	315.6	305.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
110	14.5	91.7	989.0	17.7	17.7	120.0	0.3	-0.6	0.8	316.6	304.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
115	14.5	91.7	987.0	17.7	17.7	120.0	0.3	-0.6	0.8	317.6	303.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
120	14.5	91.7	985.0	17.7	17.7	120.0	0.3	-0.6	0.8	318.6	302.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
125	14.5	91.7	983.0	17.7	17.7	120.0	0.3	-0.6	0.8	319.6	301.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
130	14.5	91.7	981.0	17.7	17.7	120.0	0.3	-0.6	0.8	320.6	299.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
135	14.5	91.7	979.0	17.7	17.7	120.0	0.3	-0.6	0.8	321.6	298.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
140	14.5	91.7	977.0	17.7	17.7	120.0	0.3	-0.6	0.8	322.6	297.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
145	14.5	91.7	975.0	17.7	17.7	120.0	0.3	-0.6	0.8	323.6	296.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
150	14.5	91.7	973.0	17.7	17.7	120.0	0.3	-0.6	0.8	324.6	295.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
155	14.5	91.7	971.0	17.7	17.7	120.0	0.3	-0.6	0.8	325.6	293.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
160	14.5	91.7	969.0	17.7	17.7	120.0	0.3	-0.6	0.8	326.6	292.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
165	14.5	91.7	967.0	17.7	17.7	120.0	0.3	-0.6	0.8	327.6	291.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
170	14.5	91.7	965.0	17.7	17.7	120.0	0.3	-0.6	0.8	328.6	290.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
175	14.5	91.7	963.0	17.7	17.7	120.0	0.3	-0.6	0.8	329.6	289.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
180	14.5	91.7	961.0	17.7	17.7	120.0	0.3	-0.6	0.8	330.6	287.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
185	14.5	91.7	959.0	17.7	17.7	120.0	0.3	-0.6	0.8	331.6	286.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
190	14.5	91.7	957.0	17.7	17.7	120.0	0.3	-0.6	0.8	332.6	285.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
195	14.5	91.7	955.0	17.7	17.7	120.0	0.3	-0.6	0.8	333.6	284.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
200	14.5	91.7	953.0	17.7	17.7	120.0	0.3	-0.6	0.8	334.6	283.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
205	14.5	91.7	951.0	17.7	17.7	120.0	0.3	-0.6	0.8	335.6	281.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
210	14.5	91.7	949.0	17.7	17.7	120.0	0.3	-0.6	0.8	336.6	280.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
215	14.5	91.7	947.0	17.7	17.7	120.0	0.3	-0.6	0.8	337.6	279.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
220	14.5	91.7	945.0	17.7	17.7	120.0	0.3	-0.6	0.8	338.6	278.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
225	14.5	91.7	943.0	17.7	17.7	120.0	0.3	-0.6	0.8	339.6	277.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
230	14.5	91.7	941.0	17.7	17.7	120.0	0.3	-0.6	0.8	340.6	275.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
235	14.5	91.7	939.0	17.7	17.7	120.0	0.3	-0.6	0.8	341.6	274.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
240	14.5	91.7	937.0	17.7	17.7	120.0	0.3	-0.6	0.8	342.6	273.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
245	14.5	91.7	935.0	17.7	17.7	120.0	0.3	-0.6	0.8	343.6	272.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
250	14.5	91.7	933.0	17.7	17.7	120.0	0.3	-0.6	0.8	344.6	271.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
255	14.5	91.7	931.0	17.7	17.7	120.0	0.3	-0.6	0.8	345.6	269.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
260	14.5	91.7	929.0	17.7	17.7	120.0	0.3	-0.6	0.8	346.6	268.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
265	14.5	91.7	927.0	17.7	17.7	120.0	0.3	-0.6	0.8	347.6	267.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
270	14.5	91.7	925.0	17.7	17.7	120.0	0.3	-0.6	0.8	348.6	266.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
275	14.5	91.7	923.0	17.7	17.7	120.0	0.3	-0.6	0.8	349.6	265.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
280	14.5	91.7	921.0	17.7	17.7	120.0	0.3	-0.6	0.8	350.6	263.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
285	14.5	91.7	919.0	17.7	17.7	120.0	0.3	-0.6	0.8	351.6	262.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
290	14.5	91.7	917.0	17.7	17.7	120.0	0.3	-0.6	0.8	352.6	261.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
295	14.5	91.7	915.0	17.7	17.7	120.0	0.3	-0.6	0.8	353.6	260.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
300	14.5	91.7	913.0	17.7	17.7	120.0	0.3	-0.6	0.8	354.6	259.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
305	14.5	91.7	911.0	17.7	17.7	120.0	0.3	-0.6	0.8	355.6	257.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
310	14.5	91.7	909.0	17.7	17.7	120.0	0.3	-0.6	0.8	356.6	256.6	14.6	90.0	90.0	90.0	90.0	90.0	90.0
315	14.5	91.7	907.0	17.7	17.7	120.0	0.3	-0.6	0.8	357.6	255.4	14.6	90.0	90.0	90.0	90.0	90.0	90.0
320	14.5	91.7	905.0	17.7	17.7	120.0	0.3	-0.6	0.8	358.6	254.2	14.6	90.0	90.0	90.0	90.0	90.0	90.0
325	14.5	91.7	903.0	17.7	17.7	120.0	0.3	-0.6	0.8	359.6	253.0	14.6	90.0	90.0	90.0	90.0	90.0	90.0
330	14.5	91.7	901.0	17.7	17.7	120.0	0.3	-0.6	0.8	360.6	251.8	14.6	90.0	90.0	90.0	90.0	90.0	90.0
335	14.5	91.7	899.0	17.7	17.7	120.0	0.3	-0.6	0.8	361.6	250.6	14.6						

STATION NO. 239  
JACKSON, MISSISSIPPI

9 MAY 1979  
1005 GMT

100 21. 0

TIME MIN	CMTCT	HEIGHT GPA	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT P DG K	Z POT Y DG K	WX WTD GM/KG	RM PCT	RANGE KM	AZ DG
0-0	5-6	91-9	1001.5	23.3	16-6	140-0	5-1	-3.3	3-9	296.3	332-9	13-6	75-0	0-0	0
0-1	5-7	104-1	1000-0	23-0	16-4	130-6	5-5	-3-4	4-1	296-2	332-9	99-9	99-9	0-0	342
1-0	6-0	322-8	975-0	20-7	16-0	142-9	5-5	-3-3	4-4	296-8	331-6	99-9	99-9	0-3	313
1-9	10-6	776-1	950-0	18-5	16-2	161-2	4-6	-1-5	4-6	296-5	329-6	13-6	95-3	0-8	321
2-7	12-6	1009-9	900-0	17-5	13-0	159-8	4-0	-0-5	5-3	299-5	327-9	12-6	95-9	0-8	339
3-6	15-0	1251-2	875-0	16-9	13-0	143-5	4-0	-1-4	3-8	301-3	331-7	10-6	75-1	1-0	337
4-5	17-5	1498-4	850-0	16-1	9-6	164-0	3-1	-2-4	3-2	301-3	327-3	11-3	80-9	1-2	335
5-5	19-9	1752-2	825-0	14-9	5-9	220-3	2-0	-0-8	2-9	304-3	327-3	8-9	65-2	1-9	334
6-4	22-4	2012-1	800-0	14-4	0-8	207-9	2-0	1-5	1-4	303-0	324-1	7-1	54-7	1-9	334
7-2	24-9	2279-9	775-0	13-6	0-8	207-9	2-5	1-2	2-2	306-3	321-2	5-1	39-8	1-5	340
8-2	27-3	2534-5	750-0	13-6	-11-4	167-0	2-9	-0-7	2-9	308-4	318-8	2-1	18-8	1-9	343
9-3	29-9	2794-5	725-0	11-4	-10-0	154-9	2-2	-1-0	2-9	309-0	316-2	2-4	21-1	1-9	342
10-3	32-5	2937-3	700-0	11-3	-7-2	216-5	1-0	0-6	0-8	311-8	318-0	0-7	8-8	1-9	342
11-4	35-2	3129-5	675-0	10-9	-43-2	259-6	2-0	2-9	0-4	314-5	319-0	0-1	1-0	1-9	345
12-5	37-9	3431-0	650-0	8-8	-44-5	246-2	2-6	2-8	0-1	319-6	316-0	0-1	1-0	1-9	349
13-5	40-6	3742-2	625-0	7-6	-45-3	277-6	2-7	2-7	-0-4	317-5	317-9	0-1	1-0	1-9	355
14-7	43-4	4053-6	600-0	5-6	-46-5	295-1	2-3	1-9	1-3	318-8	319-2	0-1	1-0	1-9	360
15-9	46-1	4366-1	575-0	4-0	-47-5	295-9	2-9	2-4	1-4	320-7	321-0	0-1	1-0	2-0	3
17-1	48-2	4739-4	550-0	1-1	-49-3	267-1	2-9	2-8	0-1	321-3	321-6	0-1	1-0	2-1	8
18-4	51-2	5095-0	525-0	-1-7	-51-0	207-3	4-0	3-8	-1-2	322-0	322-3	0-1	1-0	2-1	15
19-6	53-3	5463-0	500-0	-4-7	-40-9	305-3	5-7	4-7	-3-3	322-8	323-0	0-2	3-9	2-0	25
20-9	54-4	5844-2	500-0	-8-1	-36-8	297-8	7-7	6-8	-3-6	323-2	324-4	0-3	7-8	2-0	40
22-2	61-6	6239-8	475-0	-11-8	-36-9	288-9	7-6	7-2	-2-5	323-6	324-6	0-3	10-2	2-3	56
23-6	64-9	6551-5	450-0	-14-9	-43-4	271-3	5-4	5-4	-0-1	324-5	325-2	0-2	6-6	2-7	64
25-1	68-3	7081-3	425-0	-18-1	-47-6	336-2	5-8	4-8	3-2	325-8	326-3	0-1	5-7	3-0	62
26-8	71-9	7530-4	400-0	-22-1	-41-6	221-0	7-6	5-0	5-7	326-2	327-1	0-2	15-1	3-0	62
29-5	75-4	8091-1	375-0	-28-4	-39-2	215-3	9-5	5-5	7-8	326-4	327-0	0-3	29-2	4-5	58
30-1	79-2	8494-4	350-0	-31-1	-38-9	210-1	10-6	5-3	9-1	326-9	326-2	0-4	45-7	5-5	53
31-4	81-2	9314-6	325-0	-34-4	-39-8	217-1	11-8	7-1	9-4	326-9	327-8	0-4	70-6	6-3	49
33-6	87-2	9569-7	300-0	-37-8	-34-9	238-7	13-1	11-2	8-8	326-1	328-4	0-1	14-6	7-9	49
35-5	91-6	10165-3	275-0	-40-7	99-9	238-4	15-8	13-5	8-3	326-3	328-4	0-1	99-9	9-5	51
37-7	96-2	10810-2	250-0	-44-0	99-9	246-4	19-2	17-6	7-7	340-7	99-9	99-9	99-9	11-7	53
40-1	101-2	11509-0	225-0	-49-5	99-9	249-7	21-4	20-0	7-4	342-7	99-9	99-9	99-9	14-6	54
42-6	104-4	12271-0	200-0	-54-6	99-9	248-4	19-8	18-4	7-3	345-9	99-9	99-9	99-9	17-7	59
45-3	112-3	13119-5	175-0	-57-1	99-9	253-2	20-5	19-4	5-9	355-6	99-9	99-9	99-9	21-2	60
48-8	118-5	14091-0	150-0	-58-6	99-9	244-2	16-8	15-1	7-3	349-7	99-9	99-9	99-9	24-6	62
52-4	125-5	15223-7	125-0	-63-7	99-9	247-0	14-2	17-6	7-5	376-6	99-9	99-9	99-9	28-5	62
56-9	133-3	16567-5	100-0	-64-4	99-9	260-6	17-0	16-8	2-8	403-3	99-9	99-9	99-9	33-5	64
62-4	142-5	18319-9	75-0	-67-6	99-9	273-9	7-8	8-4	5-4	431-2	99-9	99-9	99-9	37-5	64
69-9	152-5	2021-3	50-0	-59-1	99-9	107-5	7-1	-0-8	2-1	804-3	99-9	99-9	99-9	37-2	63
81-5	162-5	25264-3	25-0	-47-4	99-9	77-3	8-8	-0-6	-1-9	648-6	99-9	99-9	99-9	32-8	59

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



STATION NO. 238  
JACKSON, MISSISSIPPI

9 MAY 1979  
2305 GMT

TIME MIN	CHFTY	WEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT V DG K	WX RTO CM/SEC	RM PCT	RANGE KM	AZ DG
0.0	3.9	91.0	999.3	29.4	18.4	180.0	2.1	-1.0	1.0	302.6	311.2	14.4	95.0	0.0	0.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.7	8.1	309.5	975.0	26.9	17.0	180.3	3.2	-1.2	3.0	301.3	336.9	13.7	60.7	0.1	342.0
1.3	10.5	530.1	950.0	23.9	16.0	140.7	3.8	-1.0	3.0	301.4	335.7	12.6	64.6	0.2	337.0
1.9	12.8	770.7	925.0	21.2	15.4	133.0	3.7	-1.7	3.3	301.0	333.6	12.2	70.4	0.4	333.0
2.8	15.2	1007.0	900.0	19.2	15.7	135.0	3.8	-1.5	3.4	301.3	335.2	12.6	80.4	0.6	336.0
3.5	17.6	1249.9	875.0	16.6	15.0	155.7	3.9	-1.6	3.5	301.2	336.5	12.4	89.7	0.7	335.0
4.4	20.0	1496.9	850.0	13.3	13.2	143.5	3.7	-2.0	2.6	302.1	332.7	11.3	87.5	0.9	334.0
5.3	22.4	1743.9	825.0	10.5	10.5	155.0	3.2	-1.4	2.9	302.9	329.5	9.7	82.0	1.1	332.0
6.2	24.9	2009.3	800.0	7.4	7.4	177.2	3.0	-0.2	5.0	308.8	322.6	6.0	49.9	1.3	329.0
7.1	27.5	2278.2	775.0	4.1	-2.0	197.4	2.1	0.0	8.6	308.8	319.3	4.3	37.6	1.6	342.0
8.0	30.2	2549.9	750.0	10.2	-4.7	209.1	6.1	3.0	8.3	307.7	318.3	3.6	34.6	1.9	350.0
9.1	32.7	2932.2	725.0	11.4	-15.2	240.7	3.3	2.9	1.6	315.0	317.1	1.6	13.0	2.1	355.0
10.1	35.3	3324.5	700.0	12.0	-15.0	277.9	4.2	4.2	-0.6	315.0	320.9	1.0	12.7	2.1	1.0
11.2	37.1	3428.2	675.0	9.0	-17.4	294.0	9.7	5.2	-2.3	316.6	321.2	1.4	12.9	2.0	10.0
12.2	40.9	3740.4	650.0	8.2	-18.5	303.0	9.5	4.6	-3.0	318.3	322.7	1.4	13.1	2.0	28.0
13.4	43.7	4262.9	625.0	6.3	-17.0	332.2	6.0	2.2	-3.3	319.7	324.6	1.8	15.7	1.8	29.0
14.6	46.5	4995.0	600.0	3.5	-19.1	330.5	5.5	2.7	-3.6	320.2	324.5	1.4	17.1	1.6	40.0
15.9	49.4	4739.1	575.0	0.4	-21.4	323.8	5.3	3.1	-4.3	320.5	324.5	1.2	17.4	1.6	54.0
17.0	52.4	5393.5	550.0	-2.6	-23.1	324.0	6.6	2.7	-3.7	321.0	324.6	1.1	18.7	1.6	67.0
18.3	55.3	5892.2	525.0	-5.7	-24.5	293.3	6.4	5.9	-2.9	321.6	325.0	1.0	20.0	1.6	78.0
19.5	58.6	5840.5	500.0	-8.0	-26.0	274.4	9.2	9.2	-0.7	323.3	325.2	0.9	22.0	1.6	83.0
20.9	61.9	6235.0	475.0	-12.4	-28.5	262.1	10.6	10.5	1.5	322.6	325.2	0.8	24.7	3.2	85.0
22.4	65.1	6645.1	450.0	-16.2	-28.0	246.3	10.9	10.0	4.4	322.9	325.5	0.8	24.7	3.2	85.0
23.8	68.6	7072.5	425.0	-19.0	-31.4	226.3	11.5	8.3	0.0	323.6	325.9	0.6	34.7	5.0	78.0
25.4	72.1	7319.5	400.0	-23.3	-35.3	215.5	12.1	7.2	10.2	324.7	326.4	0.5	32.1	5.9	71.0
26.9	75.7	7987.6	375.0	-27.8	-37.1	217.0	12.4	7.6	9.6	324.9	326.4	0.4	40.2	5.9	65.0
28.4	79.6	8483.0	350.0	-29.6	-45.9	230.0	10.5	6.1	6.6	320.8	324.4	0.2	18.6	6.0	62.0
31.4	83.5	9037.9	325.0	-33.2	-49.0	240.4	10.9	9.5	5.4	331.0	331.5	0.1	18.4	9.1	61.0
32.2	87.7	9565.7	300.0	-37.5	-52.4	240.9	13.8	12.7	5.4	332.6	333.0	0.1	19.2	10.4	62.0
34.3	92.0	10161.6	275.0	-41.1	-59.9	251.6	16.2	15.4	9.1	335.7	339.0	0.9	99.9	12.3	63.0
36.5	96.8	10803.6	250.0	-45.4	-65.4	252.7	18.0	17.2	8.3	338.4	349.8	0.9	99.9	14.4	64.0
39.0	101.8	11497.9	225.0	-50.7	-69.9	253.6	18.2	17.5	5.1	340.9	349.8	0.9	99.9	17.2	66.0
41.6	106.8	12257.7	200.0	-54.3	-69.9	252.2	19.4	18.5	5.9	346.8	349.8	0.9	99.9	20.0	67.0
44.6	112.5	13109.3	175.0	-56.0	-69.9	252.1	21.0	20.8	6.5	337.5	349.8	0.9	99.9	23.9	67.0
48.2	117.0	14082.3	150.0	-59.7	-69.9	253.6	21.0	20.1	5.9	337.3	349.8	0.9	99.9	28.3	69.0
52.0	124.0	15209.3	125.0	-63.9	-69.9	247.3	19.4	17.9	7.5	379.3	349.8	0.9	99.9	34.0	69.0
56.8	133.7	16571.5	100.0	-65.9	-69.9	249.0	16.2	18.1	8.0	400.5	349.8	0.9	99.9	38.0	69.0
62.5	142.7	18295.3	75.0	-69.5	-69.9	219.1	8.2	8.2	6.4	427.1	349.8	0.9	99.9	42.2	68.0
70.3	152.5	20772.0	50.0	-63.5	-69.9	97.2	4.9	-4.0	0.4	493.9	349.8	0.9	99.9	42.2	66.0
82.5	182.3	25226.7	25.0	-49.1	-69.9	66.0	0.0	-0.7	-0.6	643.9	349.8	0.9	99.9	38.3	67.0

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

STATION NO. 235  
JACKSON, MISSISSIPPI

10 MAY 1979  
305 GMT

162 12. 0

TIME MIN	CORCT	HEIGHT JOB	HUES Mg	TEMP DG C	UEM PT DU C	DIR DS	SPEED M/SEC	V COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.3	6.5	91.0	999.9	21.1	23.6	120.0	2.1	-1.8	1.0	294.3	334.2	15.5	97.0	0.0	0.
1.3	9.3	91.7	1373.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.4	1.7	91.0	975.0	24.78	99.9	126.5	7.4	-6.0	4.4	303.2	99.9	99.9	99.9	0.3	300.
3.4	1.4	91.0	975.0	23.2	17.0	130.5	6.1	-6.7	4.0	303.6	337.3	12.9	67.9	0.6	303.
4.4	1.2	91.0	975.0	21.0	16.3	135.3	6.4	-3.7	5.3	300.7	334.8	12.9	74.8	0.9	308.
5.4	1.4	125.2	975.0	19.1	14.4	139.5	7.0	-2.5	6.6	311.2	333.4	12.0	74.6	1.3	315.
6.4	1.7	125.2	975.0	17.6	11.1	139.5	6.2	-1.2	6.1	322.1	328.1	9.6	65.6	1.6	322.
7.3	2.1	147.7	975.0	16.1	9.4	139.2	5.2	-1.0	5.1	333.0	325.6	8.2	60.3	1.9	326.
8.2	2.5	151.6	975.0	15.1	1.9	138.1	4.6	-1.0	4.7	334.6	319.8	7.3	43.6	2.1	329.
9.2	2.9	201.5	975.0	14.2	-1.2	137.7	6.0	-0.9	6.0	306.3	319.0	4.4	34.5	2.4	331.
0.1	2.3	227.7	773.0	12.3	-2.5	131.2	6.3	1.2	6.2	307.1	317.1	4.1	35.5	2.7	335.
1.1	2.9	257.6	753.0	11.0	-6.2	125.9	4.6	0.5	6.6	304.5	317.6	3.1	27.9	3.0	340.
2.1	3.3	257.6	753.0	10.4	-13.4	97.9	1.7	-1.6	0.2	313.3	314.2	1.9	14.9	3.2	340.
3.1	3.7	312.6	723.0	12.2	-14.2	346.4	3.5	0.8	-3.4	316.2	321.7	1.8	14.3	3.1	340.
4.1	3.1	343.4	675.0	13.6	-13.4	324.2	4.9	2.9	-6.0	317.6	323.9	2.0	14.9	2.8	341.
5.1	4.1	373.6	653.0	9.3	-16.2	325.4	2.9	1.6	-2.4	319.4	323.0	1.7	15.7	2.5	343.
6.1	4.4	424.7	625.0	6.5	-17.4	323.4	1.8	1.1	-1.4	319.8	324.9	1.5	15.9	2.4	344.
7.1	5.5	474.4	600.0	3.3	-19.7	248.5	2.4	2.1	-1.1	319.9	324.3	1.3	16.6	2.3	346.
8.1	6.3	474.4	575.0	0.3	-21.3	248.5	1.7	1.5	-0.6	320.3	324.3	1.2	17.9	2.2	349.
9.1	5.2	525.7	550.0	-2.8	-23.4	242.6	2.6	2.6	-0.1	320.7	324.3	1.1	14.7	2.1	352.
0.1	4.1	565.9	525.0	-6.2	-25.3	246.9	4.6	4.8	0.3	321.0	324.1	0.9	23.3	2.1	362.
1.1	5.2	544.4	500.0	-13.1	-27.6	248.5	6.0	6.0	0.2	320.7	323.4	0.8	24.3	2.2	33.
2.1	6.3	574.4	475.0	-13.3	-28.4	248.2	11.2	11.0	2.1	321.5	323.9	0.7	24.3	2.6	31.
3.1	6.5	624.5	450.0	-17.4	-30.5	248.4	12.6	11.3	5.4	321.4	323.7	0.7	30.6	3.4	43.
4.1	6.7	737.1	425.0	-20.6	-34.7	210.4	12.8	9.8	6.1	322.6	324.2	0.5	24.8	4.5	46.
5.1	7.1	737.1	400.0	-23.7	-39.7	243.2	9.2	8.2	4.2	324.2	325.3	0.3	21.1	5.6	47.
6.1	7.4	749.1	375.0	-27.3	-43.6	237.3	8.4	8.2	1.8	325.5	326.3	0.2	18.9	6.3	50.
7.1	7.3	817.3	350.0	-33.6	-46.6	234.4	7.9	7.6	2.0	327.4	326.1	0.2	19.1	7.1	53.
8.1	6.1	930.7	325.0	-34.3	-48.5	234.4	5.3	5.2	1.1	329.5	329.9	0.1	19.4	7.7	45.
9.1	6.3	955.3	300.0	-34.3	-52.7	232.3	8.3	7.9	2.5	331.7	332.0	0.1	19.7	8.4	57.
0.1	6.3	955.3	275.0	-39.1	-59.9	232.0	12.9	12.3	6.5	334.3	334.9	99.9	99.9	9.6	59.
1.1	6.2	1210.1	250.0	-46.6	99.9	231.2	14.8	14.3	4.8	336.9	99.9	99.9	99.9	11.6	61.
2.1	6.5	1149.5	225.0	-51.1	99.9	230.7	15.1	14.3	5.0	340.1	99.9	99.9	99.9	13.9	63.
3.1	6.5	1224.7	200.0	-54.7	99.9	224.5	17.6	17.0	4.7	346.2	99.9	99.9	99.9	16.5	64.
4.1	6.5	1339.1	175.0	-57.0	99.9	200.5	18.7	18.5	3.1	355.0	99.9	99.9	99.9	20.0	67.
5.1	6.5	1435.6	150.0	-64.4	99.9	234.2	19.5	18.8	5.3	365.8	99.9	99.9	99.9	24.0	69.
6.1	6.5	1518.2	125.0	-64.4	99.9	249.5	19.2	18.0	6.7	378.4	99.9	99.9	99.9	28.7	69.
7.1	6.5	1634.6	100.0	-67.2	99.9	245.0	16.2	14.8	6.6	397.9	99.9	99.9	99.9	33.9	69.
8.1	6.5	1724.5	75.0	-68.1	99.9	168.9	5.9	0.9	5.9	410.2	99.9	99.9	99.9	38.0	68.
9.1	6.5	2173.4	50.0	-61.2	99.9	97.9	6.6	-6.5	0.9	499.2	99.9	99.9	99.9	37.0	65.
0.1	6.5	2519.2	25.0	-48.0	99.9	99.9	99.9	99.9	99.9	446.9	99.9	99.9	99.9	36.9	65.

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

STATION NO. 235  
JACKSON, MISSISSIPPI

10 MAY 1979  
509 GMT

103 12. 0

TIME MM	CHCTY	WEIGHT GPM	PRES MB	TEMP DEG C	DESP DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	WX RTO GM/16	RH PCT	RANGE M	AZ DEG
0.0	0.3	91.0	1000.9	22.2	19.9	160.0	1.5	0.0	1.4	298.3	333.7	14.0	87.0	0.0	0.0
0.0	0.0	98.9	1000.0	22.2	19.2	99.9	99.9	99.9	99.9	293.3	333.1	14.0	85.4	999.9	999.9
0.0	0.5	320.2	975.0	23.4	19.2	99.9	99.9	99.9	99.9	290.7	337.1	14.0	77.3	999.9	999.9
1.7	10.9	547.3	950.0	22.3	17.4	999.9	99.9	99.9	99.9	299.0	335.0	13.6	75.4	999.9	999.9
2.9	13.2	779.3	925.0	20.4	17.4	999.9	99.9	99.9	99.9	300.1	336.4	13.6	82.9	1.0	352.0
3.3	15.0	1016.3	900.0	18.0	16.7	140.9	10.1	-5.0	0.3	300.9	336.7	13.4	87.7	1.0	305.0
4.2	18.0	1258.1	875.0	16.9	15.4	150.1	9.6	-4.0	0.3	301.4	335.9	12.9	92.2	2.4	341.0
5.0	20.5	1525.4	850.0	16.3	9.0	157.0	9.5	-3.7	0.6	302.2	327.0	0.6	63.0	2.9	340.0
5.9	22.9	1759.6	825.0	15.0	2.9	164.1	0.5	-2.3	0.2	303.3	321.0	0.7	42.1	3.3	300.0
6.7	25.4	2020.4	800.0	14.1	0.0	171.0	0.6	-1.1	0.7	306.2	320.0	0.1	40.1	3.7	341.0
7.6	29.0	2297.1	775.0	11.0	-1.2	172.0	0.1	-0.0	6.1	306.5	319.6	4.5	40.3	4.0	342.0
8.5	30.6	2560.7	750.0	10.3	-0.4	169.0	0.1	-1.7	4.0	307.0	317.3	3.2	30.3	4.3	342.0
9.4	33.1	2813.4	725.0	13.0	-15.0	112.4	2.7	-2.5	1.0	313.7	310.9	1.6	12.7	4.6	342.0
10.3	35.8	3137.0	700.0	12.0	-13.6	11.4	2.7	-0.5	-2.7	316.5	322.5	1.9	10.7	4.6	340.0
11.6	38.6	3462.2	675.0	11.2	-19.9	330.6	3.0	1.3	-3.6	318.2	323.9	1.0	10.3	4.3	340.0
12.7	41.3	3755.4	650.0	0.6	-17.0	342.0	2.2	0.7	-2.1	318.7	323.4	1.5	13.5	4.1	340.0
13.9	44.1	4077.9	625.0	6.1	-10.6	340.7	1.0	0.4	-1.0	319.5	320.1	1.4	15.0	4.0	340.0
15.0	47.0	4410.0	600.0	2.9	-21.0	298.5	2.0	2.4	-1.3	319.5	323.4	1.2	15.2	3.0	340.0
16.2	51.0	4742.0	575.0	0.3	-22.6	267.0	0.3	4.2	0.2	320.3	323.0	1.1	15.9	3.7	344.0
17.4	57.9	5107.0	550.0	-2.9	-25.0	250.0	0.6	0.4	1.3	320.7	323.7	0.9	10.2	3.7	340.0
19.6	56.0	5473.0	525.0	-6.4	-26.5	250.0	0.3	0.0	2.2	320.0	323.6	0.0	10.4	3.0	350.0
19.9	59.3	5852.1	500.0	-9.6	-20.4	250.2	0.4	11.2	2.3	321.3	323.6	0.7	10.0	4.0	7.0
21.0	62.4	6245.1	475.0	-13.7	-30.7	259.1	12.3	12.0	2.3	321.1	323.2	0.6	22.0	4.3	10.0
22.1	65.0	6651.2	450.0	-17.5	-32.4	257.0	11.6	11.3	2.4	321.2	323.1	0.5	25.7	4.0	20.0
23.4	69.3	7077.6	425.0	-21.9	-34.1	250.2	11.2	10.0	2.7	320.9	322.6	0.5	32.0	5.4	34.0
24.0	72.7	7522.4	400.0	-24.0	-42.0	250.0	0.4	0.1	2.5	323.0	320.6	0.2	17.2	6.0	30.0
26.3	76.4	7990.2	375.0	-27.3	-45.0	250.9	0.1	5.9	1.6	325.4	320.1	0.2	10.7	6.0	42.0
27.9	80.3	8483.4	350.0	-30.7	-47.9	267.0	0.4	0.4	0.3	327.4	327.9	0.1	10.5	7.0	05.0
29.6	84.1	9005.9	325.0	-34.2	-50.7	259.9	5.7	5.0	1.9	329.6	330.0	0.1	10.0	7.4	00.0
31.4	89.3	9561.9	300.0	-37.0	-53.4	250.0	0.9	0.4	2.9	332.2	332.5	0.1	17.1	8.2	50.0
33.3	92.7	10157.1	275.0	-41.0	93.3	250.0	11.3	10.6	3.7	335.0	999.9	99.9	999.9	9.3	53.0
35.5	97.2	10797.5	250.0	-45.5	99.9	253.0	19.0	14.3	4.4	338.4	999.9	99.9	999.9	11.0	55.0
37.0	102.2	11592.0	225.0	-50.5	99.9	250.9	17.3	16.7	4.5	341.1	999.9	99.9	999.9	13.0	50.0
40.2	107.2	12522.6	200.0	-54.9	99.9	257.9	17.2	16.0	3.6	345.9	999.9	99.9	999.9	15.6	61.0
43.1	113.0	13100.0	175.0	-57.4	99.9	25.7	17.9	17.5	3.8	355.3	999.9	99.9	999.9	18.3	64.0
46.6	119.0	14070.2	150.0	-60.4	90.9	257.0	19.9	19.5	4.2	360.1	999.9	99.9	999.9	22.1	64.0
50.0	125.0	15197.9	125.0	-64.2	99.9	250.1	20.0	20.0	4.0	370.0	999.9	99.9	999.9	26.5	64.0
54.3	133.3	16552.6	100.0	-67.3	99.9	243.1	19.1	19.0	6.0	377.0	999.9	99.9	999.9	31.1	69.0
59.3	142.0	18271.6	75.0	-68.7	99.9	192.4	7.0	1.0	6.0	428.9	999.9	99.9	999.9	33.9	67.0
64.0	152.0	20740.0	50.0	-69.3	99.9	109.7	7.2	-6.0	2.4	501.0	999.9	99.9	999.9	33.4	63.0
70.1	162.5	25172.0	25.0	-69.0	99.9	999.9	99.9	99.9	99.9	642.9	999.9	99.9	999.9	20.0	63.0

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



STATION NO. 238  
JACKSON, MISSISSIPPI

10 MAY 1979  
1705 GMT

TIME MIN	CHTCY	HEIGHT GMS	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MR WTD GMS/KG	RM PCT	RANGE KM	AZ DEG
00	0-2	91.0	1001.1	21.0	21.0	170.0	1.0	-0.3	1.0	290.1	330.9	10.9	100.0	0.0	0.0
00	0-3	100.0	1000.0	21.0	20.9	171.2	2.0	-0.4	2.0	290.2	330.7	10.0	99.3	0.0	3.0
00	0-5	200.0	975.0	19.9	19.0	183.0	9.0	0.0	9.0	290.8	332.4	10.3	94.3	0.3	12.0
1-7	10.0	500.0	950.0	18.4	17.5	189.2	11.9	1.9	11.7	290.0	330.7	13.4	91.4	0.9	9.0
2-4	13.3	770.0	925.0	16.0	16.0	180.6	12.6	1.9	12.6	290.6	330.6	11.3	79.3	1.4	0.0
3-3	15.7	1000.0	900.0	10.4	10.0	185.2	12.5	1.1	12.4	300.5	325.2	9.1	61.0	2.1	0.0
4-0	16.1	1251.3	875.0	10.6	-2.0	182.5	11.5	0.5	11.5	303.1	313.3	3.8	23.0	2.7	0.0
4-9	20.0	1499.0	850.0	17.0	-3.4	179.4	9.5	-0.1	9.5	300.8	315.0	3.0	23.2	3.2	0.0
5-7	23.1	1753.0	825.0	10.4	-0.0	183.5	10.3	0.0	10.3	305.9	313.1	2.4	16.0	3.0	0.0
6-4	25.0	2100.0	800.0	10.7	-12.5	192.1	9.0	2.1	9.0	300.9	312.5	1.0	10.0	4.2	0.0
7-4	24.1	2281.0	775.0	10.9	-20.1	210.9	9.8	3.3	9.4	300.0	311.2	0.0	0.0	4.0	7.0
8-3	30.7	2537.0	750.0	10.1	-01.3	233.0	9.3	0.3	9.1	311.9	312.0	0.1	1.0	4.0	0.0
9-2	33.3	2802.0	725.0	12.0	-02.1	221.0	0.1	2.7	3.1	313.9	314.0	0.1	1.0	9.0	11.0
10-1	36.0	3139.0	700.0	11.5	-02.0	140.0	2.2	-1.2	1.9	319.3	315.7	0.1	1.0	5.1	12.0
11-1	38.0	3439.2	675.0	9.0	-00.5	06.0	3.0	-3.0	-0.2	310.7	317.3	0.2	1.0	5.1	10.0
12-3	41.0	3709.0	650.0	7.0	-01.5	01.0	4.0	-0.7	-0.7	310.0	310.4	0.2	1.0	5.0	0.0
13-7	44.3	4011.3	625.0	5.5	-06.0	110.5	0.5	-4.1	2.0	310.7	310.1	0.1	1.0	5.0	2.0
15-0	47.3	4403.3	600.0	3.3	-07.7	191.0	3.7	0.7	3.6	320.0	320.3	0.1	1.0	3.2	30.0
16-0	50.2	4706.1	575.0	0.3	-06.0	240.3	9.7	5.2	2.3	320.3	320.7	0.1	1.0	9.0	2.0
17-2	53.3	5099.7	550.0	-3.1	-00.0	200.0	7.0	7.0	0.2	320.6	321.2	0.2	3.0	5.5	7.0
18-5	56.4	5405.3	525.0	-0.0	-30.0	205.1	0.6	0.3	0.7	320.2	321.3	0.3	7.0	5.0	13.0
19-0	59.5	5803.3	500.0	-10.0	-35.5	207.4	0.7	0.7	0.4	320.2	321.5	0.4	10.7	0.0	19.0
21-1	62.0	6235.1	475.0	-10.0	-35.0	200.0	0.5	0.5	0.1	320.1	321.0	0.4	15.4	0.1	28.0
22-5	66.1	6622.0	450.0	-10.3	-33.0	200.0	0.9	0.0	0.6	320.2	321.0	0.5	20.0	0.5	31.0
24-1	69.6	7005.4	425.0	-22.5	-33.0	207.3	0.9	0.0	0.6	320.1	321.0	0.5	30.0	7.1	37.0
25-4	73.0	7500.0	400.0	-20.0	-51.5	202.1	5.0	4.7	-1.0	320.9	324.2	0.1	5.0	7.5	41.0
27-2	76.7	7977.2	375.0	-20.0	-50.7	200.0	3.0	3.7	-1.1	320.1	326.3	0.0	4.3	7.0	43.0
29-0	80.0	8471.9	350.0	-30.0	-60.0	200.2	3.0	3.2	-1.0	320.0	320.5	0.0	3.3	7.7	40.0
30-0	84.9	8935.0	325.0	-30.0	-62.0	313.0	4.2	3.1	-2.0	320.0	330.0	0.0	3.0	7.0	49.0
32-7	88.7	9531.0	300.0	-30.0	-63.0	315.0	5.5	3.0	-3.0	331.2	331.3	0.0	5.5	7.0	50.0
34-0	93.0	10100.0	275.0	-01.0	99.0	292.0	0.5	0.0	-2.5	330.7	999.9	99.9	999.9	0.1	50.0
37-0	97.0	10703.0	250.0	-00.0	99.0	292.0	0.1	7.5	-3.1	330.3	999.9	99.9	999.9	0.1	60.0
39-0	102.0	11075.0	225.0	-51.1	99.0	299.0	0.1	7.1	-4.0	300.1	999.9	99.9	999.9	0.0	60.0
41-9	106.0	12235.9	200.0	-50.5	99.0	275.0	10.7	10.0	-1.1	300.0	999.9	99.9	999.9	10.5	70.0
44-0	113.0	13033.3	175.0	-57.3	99.0	200.2	10.9	10.9	0.0	350.0	999.9	99.9	999.9	12.7	70.0
48-1	120.0	14050.0	150.0	-00.0	99.0	207.0	10.0	10.0	0.7	300.0	999.9	99.9	999.9	16.0	70.0
51-9	127.0	15179.0	125.0	-03.0	99.0	250.0	10.0	10.0	3.0	300.1	999.9	99.9	999.9	20.3	81.0
56-0	135.0	16530.0	100.0	-00.0	99.0	237.0	10.0	12.0	0.0	300.8	999.9	99.9	999.9	25.0	70.0
62-0	143.5	18272.0	75.0	-07.0	99.0	220.0	0.0	0.0	4.0	431.2	999.9	99.9	999.9	20.0	75.0
69-0	153.0	20700.3	50.0	-02.1	99.0	103.5	0.1	-0.0	1.0	497.1	999.9	99.9	999.9	20.0	73.0
00-0	162.3	25100.3	25.0	-00.0	99.0	20.3	0.0	-1.0	-0.2	600.0	999.9	99.9	999.9	20.0	72.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 5 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
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STATION NO. 240  
LAKE CHARLES, LOUISIANA

9 MAY 1973  
1100 GMT

184 18. 0

TEMP REF.	ENTCY	WICHT	PRE	TEMP	DEP PT	DIR	SPEED	U COMP	V COMP	PUT F	E POT V	WIND	RM	RANGE	AZ
		GM	MB	CG C	CG C	CG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KM	DG
0.3	6.4	5.3	1004.2	13.9	18.9	90.0	11.3	-1.3	0.0	291.4	326.6	13.8	102.0	0.0	0.
0.8	6.9	78.1	1000.0	21.2	20.2	147.3	8.2	-1.5	0.1	296.3	323.4	15.2	94.6	0.1	293.
1.1	9.2	246.1	975.2	20.4	19.3	104.6	9.6	-2.3	9.3	295.7	333.0	14.7	93.0	0.4	336.
1.9	11.5	515.4	952.0	19.6	17.6	150.9	11.3	-5.5	9.9	296.2	331.5	13.5	93.0	0.9	335.
2.7	13.9	783.3	925.0	19.3	16.5	149.2	12.2	-6.3	10.5	298.7	328.9	11.3	75.5	1.4	332.
3.5	14.3	984.1	922.0	19.3	10.3	197.3	11.0	-6.3	10.2	300.7	324.6	8.8	59.5	2.1	332.
4.4	14.6	1225.9	925.0	19.3	6.4	170.8	9.7	-1.6	9.6	327.8	317.6	8.0	59.5	2.6	336.
5.2	21.1	1473.6	952.0	17.5	6.6	177.4	8.8	-0.4	8.6	327.8	317.6	7.2	48.8	3.0	318.
6.2	23.6	1749.7	925.0	16.3	0.1	170.1	6.4	-1.4	8.3	325.0	319.2	6.6	33.0	3.5	340.
7.2	26.1	1943.9	425.0	14.7	-15.3	172.4	7.7	-1.0	7.7	306.9	312.0	1.7	13.1	4.1	341.
8.1	24.6	2252.6	775.0	16.5	-32.9	243.3	3.2	2.9	1.5	311.6	317.1	0.2	1.0	6.3	342.
9.2	31.2	2532.7	752.0	16.3	-62.0	279.2	4.0	4.0	-0.6	314.2	314.8	0.2	1.0	6.2	343.
10.2	33.9	2823.2	725.0	16.1	-87.1	279.6	5.4	5.4	-0.9	317.1	317.7	0.2	1.0	6.1	348.
11.2	36.6	3119.5	700.0	13.9	-115.2	273.5	6.1	6.0	-1.0	317.6	315.3	0.1	1.0	3.9	354.
12.3	39.3	3423.7	675.0	11.2	-141.1	266.7	6.0	6.0	0.3	319.1	318.9	0.1	1.0	3.7	359.
13.3	42.1	3730.4	652.0	8.6	-169.7	262.1	4.8	6.7	0.7	318.5	318.9	0.1	1.0	3.7	4.
14.5	45.1	4038.4	625.0	5.9	-186.3	262.3	2.8	2.7	0.6	319.2	319.5	0.1	1.0	6.3	8.
15.7	47.9	4348.2	600.0	4.1	-174.4	333.5	1.9	0.9	-1.7	320.8	321.2	0.1	1.0	4.0	9.
16.9	50.2	4734.9	575.0	1.1	-159.3	368.9	4.4	0.8	-4.3	321.3	321.6	0.1	1.0	3.8	10.
18.3	53.9	5143.2	550.0	-1.8	-111.1	324.2	5.3	3.1	-4.3	322.0	322.2	0.1	1.0	3.5	14.
19.3	57.9	5551.1	525.0	-4.7	-52.3	222.0	6.6	6.1	-2.5	322.6	323.0	0.1	1.0	3.3	20.
20.6	60.1	5937.1	500.0	-8.5	-46.0	272.7	7.6	7.3	-0.4	322.6	323.1	0.1	1.0	3.5	30.
22.3	63.4	6238.6	475.0	-11.9	-36.5	294.2	7.7	7.4	2.1	323.6	324.7	0.3	10.6	3.9	37.
24.1	66.9	6655.4	450.0	-14.3	-32.4	243.6	6.3	7.4	3.7	324.0	326.0	0.6	21.5	4.5	42.
25.7	70.3	7073.7	425.0	-17.6	-33.6	234.5	9.2	7.5	5.3	323.8	324.3	0.7	37.0	5.3	44.
27.5	73.7	7522.1	400.0	-23.9	-29.7	213.7	9.2	5.0	7.5	324.0	326.8	0.8	59.2	6.1	44.
29.3	77.4	7997.9	375.0	-27.7	-36.4	122.6	10.6	6.1	9.8	325.0	326.6	0.4	42.8	7.1	42.
31.9	81.3	8479.7	350.0	-31.5	-47.0	252.6	11.1	7.6	8.2	326.6	327.3	0.2	23.1	8.2	42.
34.9	85.3	8933.0	325.0	-34.0	-71.8	238.0	11.9	10.1	6.3	326.6	329.6	0.0	1.0	9.4	42.
37.9	89.4	9379.9	275.0	-39.4	-73.2	236.0	17.8	14.9	9.7	336.5	336.6	0.0	1.0	11.0	44.
40.4	93.4	9817.9	250.0	-44.5	-75.7	248.8	19.9	18.0	6.5	337.6	337.6	0.0	1.0	13.4	47.
42.4	98.6	10262.2	225.0	-48.5	94.9	245.2	20.9	18.9	6.7	340.0	340.9	99.9	99.9	16.0	50.
44.5	104.6	10724.3	200.0	-54.4	99.0	246.1	22.7	20.8	9.2	342.1	342.1	99.9	99.9	19.4	53.
46.6	110.5	11212.1	175.0	-57.9	99.9	248.2	23.0	21.5	8.2	346.7	346.7	99.9	99.9	23.0	54.
48.2	120.5	11728.8	150.0	-63.0	99.9	249.7	26.3	24.7	9.1	354.4	354.4	99.9	99.9	27.1	57.
50.2	127.3	12275.5	125.0	-63.5	99.9	248.8	21.5	18.3	11.1	379.9	379.9	99.9	99.9	33.0	64.
52.3	135.0	12856.0	100.0	-66.0	99.9	247.0	18.1	16.5	7.0	409.1	409.1	99.9	99.9	38.4	61.
54.3	144.0	13479.0	75.0	-70.2	99.9	132.7	6.8	1.5	6.7	425.7	425.7	99.9	99.9	49.1	61.
57.1	156.3	20778.9	50.0	-59.3	99.9	116.0	5.5	-3.0	2.3	508.1	508.1	99.9	99.9	48.4	58.
63.0	185.3	25243.5	25.0	-68.7	99.9	97.1	12.7	-12.6	1.6	664.8	664.8	99.9	99.9	43.9	55.

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

STATION NO. 240  
LAKE CHARLES, LOUISIANA

0 MAY 1979  
1000 GMT

TIME MIN	CHTY	HEIGHT GM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	V COMP M/SEC	WIND DG K	E POT V DG K	WIND M/SEC	WIND PCT	WIND KPH	WIND KPH	WIND KPH
00	5.9	9.9	1000.3	24.4	21.5	190.0	3.0	-1.0	3.1	200.0	330.0	10.3	00.0	0.0	0.0	0.0
02	6.7	86.2	1000.0	23.3	18.7	180.0	4.0	-0.0	6.7	200.0	322.2	13.7	75.3	0.2	337	0.0
04	9.0	307.1	975.0	21.0	15.3	173.1	4.9	-0.0	4.0	297.1	335.5	14.7	85.0	0.2	302	0.0
06	11.4	532.0	950.0	19.0	12.8	173.9	5.7	-0.0	8.7	296.8	332.2	13.6	92.3	0.5	308	0.0
08	13.7	761.5	925.0	16.9	15.6	171.1	8.1	-1.3	8.0	296.6	320.7	12.2	92.5	0.9	350	0.0
10	16.1	993.1	900.0	15.9	7.4	170.4	9.9	-0.3	9.9	297.9	317.7	7.3	94.5	1.4	350	0.0
12	18.5	1236.4	875.0	19.6	-0.7	187.8	9.5	1.3	9.4	300.4	311.9	2.0	10.3	1.9	354	0.0
14	21.0	1488.5	850.0	17.6	-13.1	187.0	9.3	1.1	9.2	300.6	309.6	1.0	11.1	2.4	350	0.0
16	23.4	1730.7	825.0	16.4	-10.0	183.5	9.2	0.0	9.1	306.0	310.1	1.3	0.4	2.9	350	0.0
18	25.9	1975.1	800.0	15.0	-30.8	181.3	5.7	0.1	9.7	308.1	309.7	0.2	1.3	3.4	350	0.0
20	28.5	2267.5	775.0	17.4	-30.2	217.1	1.0	0.9	1.3	312.7	313.3	0.2	1.0	3.6	300	0.0
22	31.1	2547.9	750.0	16.0	-40.1	278.5	2.5	2.5	-0.0	313.9	316.5	0.2	1.0	3.6	1.0	0.0
24	33.8	2934.7	725.0	15.1	-40.4	287.4	3.2	3.0	-1.0	316.1	316.0	0.1	1.0	3.6	4.0	0.0
26	36.4	3130.0	700.0	13.0	-42.0	287.5	3.7	3.3	-1.7	316.9	317.4	0.1	1.0	3.5	7.0	0.0
28	39.2	3433.9	675.0	11.2	-43.1	287.3	5.1	4.9	-1.5	318.2	318.6	0.1	1.0	3.4	12.0	0.0
30	41.9	3747.1	650.0	9.1	-44.4	273.9	5.7	5.7	-0.4	319.2	319.6	0.1	1.0	3.5	16.0	0.0
32	44.6	4070.1	625.0	7.0	-45.6	280.1	4.1	4.0	-0.7	320.5	320.0	0.1	1.0	3.6	20.0	0.0
34	47.7	4403.3	600.0	3.0	-47.7	283.3	3.3	3.2	-0.0	320.3	320.6	0.1	1.0	3.6	20.0	0.0
36	50.4	4746.2	575.0	0.0	-49.0	278.4	3.1	3.0	-0.4	320.7	320.5	0.1	1.0	3.7	35.0	0.0
38	53.6	5100.1	550.0	-2.0	-51.7	278.8	2.9	2.9	-0.3	320.7	320.9	0.1	1.0	3.8	35.0	0.0
40	56.8	5466.3	525.0	-6.0	-53.7	254.9	2.0	2.7	0.7	321.2	321.4	0.0	1.0	4.0	30.0	0.0
42	59.0	5835.6	500.0	-9.3	-55.0	231.7	4.2	3.7	2.0	321.7	321.8	0.0	1.0	4.2	39.0	0.0
44	61.0	6230.5	475.0	-12.1	-48.6	224.4	7.0	5.3	5.4	323.0	323.5	0.1	3.0	4.6	61.0	0.0
46	63.4	6550.2	450.0	-10.1	-42.3	219.2	9.5	9.5	7.0	323.0	323.0	0.2	7.0	5.5	60.0	0.0
48	65.9	7076.9	425.0	-20.3	-40.1	217.2	9.9	6.0	7.9	323.0	323.9	0.3	15.1	6.5	39.0	0.0
50	68.1	7422.2	400.0	-26.6	-37.7	217.1	9.7	5.8	7.7	323.0	324.4	0.4	20.4	7.6	39.0	0.0
52	70.4	7787.9	375.0	-26.9	-36.4	220.3	9.9	7.2	6.9	323.4	324.9	0.3	37.9	8.8	30.0	0.0
54	72.8	8081.3	350.0	-30.3	-35.4	230.8	9.5	6.1	6.9	327.9	327.9	0.0	1.0	9.8	61.0	0.0
56	75.0	8300.5	325.0	-34.1	-71.9	232.3	12.0	9.5	7.3	329.7	329.8	0.0	1.0	10.9	62.0	0.0
58	77.4	8562.2	300.0	-39.0	-73.5	236.5	10.7	15.0	10.7	333.9	334.0	0.0	1.0	12.0	64.0	0.0
60	79.8	8816.8	275.0	-39.0	99.9	244.4	19.0	17.7	16.5	337.4	339.9	0.0	99.9	13.0	47.0	0.0
62	82.2	9085.4	250.0	-45.0	99.0	241.4	20.0	17.8	19.0	339.2	339.9	0.0	99.9	17.0	49.0	0.0
64	84.6	9361.4	225.0	-50.2	99.9	240.1	21.0	18.2	18.5	341.6	341.6	0.0	99.9	20.2	51.0	0.0
66	87.0	9643.4	200.0	-54.0	99.9	240.3	22.0	19.8	11.3	347.3	347.3	0.0	99.9	23.7	52.0	0.0
68	89.4	9931.5	175.0	-56.7	99.9	242.7	25.3	22.9	11.6	356.0	356.0	0.0	99.9	27.8	53.0	0.0
70	91.8	10205.6	150.0	-59.0	99.9	247.5	29.3	23.4	9.7	367.1	367.1	0.0	99.9	32.0	55.0	0.0
72	94.2	10506.7	125.0	-63.0	99.9	241.4	21.7	19.0	10.4	380.9	380.9	0.0	99.9	37.6	57.0	0.0
74	96.6	10874.4	100.0	-66.0	99.9	235.3	18.0	15.4	10.7	400.2	400.0	0.0	99.9	43.3	57.0	0.0
76	99.0	11304.2	75.0	-70.1	99.9	177.5	9.3	-0.4	9.3	428.9	428.9	0.0	99.9	49.8	56.0	0.0
78	101.4	11768.2	50.0	-76.1	99.9	111.1	7.0	-0.5	2.5	465.7	465.7	0.0	99.9	58.0	52.0	0.0
80	103.8	12263.0	25.0	-82.1	99.9	99.0	5.9	0.1	0.9	505.0	505.0	0.0	99.9	67.0	47.0	0.0

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

STATION NO. 200  
LAKE CHARLES, LOUISIANA  
9 MAY 1979 GMT

190 21. 0

TIME MI	CNTCH	WIND KTS	WIND DIR	TEMP °C	DEW PT °C	DIR DU	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT DU K	E PJT DU K	WE MTO GM/KG	RM PCY	RANGE NM	AZ DU
3.3	5.0	133.0	20.1	23.7	170.0	0.1	-0.7	0.0	0.0	249.4	334.8	15.0	72.0	0.0	0.0
4.5	6.5	133.0	22.3	15.3	154.3	7.8	-3.4	7.1	7.1	274.1	331.2	12.5	62.3	0.2	330.0
1.0	4.5	135.0	22.5	15.8	165.3	7.3	-1.9	7.1	7.1	277.4	332.6	12.5	73.3	0.6	330.0
2.5	1.0	135.0	23.0	16.2	169.6	6.9	-1.4	6.7	6.7	293.3	332.6	12.5	78.2	1.1	344.0
3.3	1.5	135.0	18.4	15.7	171.5	7.4	-1.1	7.3	7.3	295.1	332.9	12.4	85.6	1.4	345.0
4.5	1.4	132.0	18.6	13.4	179.4	8.8	-0.2	8.0	8.0	302.7	325.2	9.1	62.2	1.7	346.0
6.7	1.1	134.0	18.6	6.1	156.0	9.5	1.0	9.5	9.5	303.1	322.1	8.9	44.2	2.1	352.0
7.5	2.5	134.0	18.2	-5.3	197.3	9.8	1.1	8.7	8.7	305.2	316.1	3.0	19.6	2.6	352.0
8.5	2.0	134.0	17.6	-17.4	197.5	9.2	1.5	9.1	9.1	307.3	313.3	2.1	13.9	3.1	352.0
9.4	2.5	134.0	15.3	-21.6	197.3	7.9	2.6	7.5	7.5	309.0	311.6	0.9	6.0	3.5	358.0
10.3	2.0	134.0	15.3	-14.2	192.5	5.1	1.1	5.0	5.0	312.4	313.0	0.2	1.1	3.0	360.0
11.3	2.0	134.0	15.4	-14.2	192.5	2.3	0.0	2.1	2.1	313.4	314.3	0.3	1.0	4.1	0.0
12.4	3.0	134.0	15.1	-13.1	192.5	1.0	1.0	-0.4	-0.4	316.2	316.8	0.2	1.0	4.2	0.0
13.5	3.0	134.0	13.9	-15.1	313.5	3.1	2.3	-2.3	-2.3	318.9	322.0	1.6	11.1	4.1	1.0
14.7	3.0	134.0	11.3	-17.3	249.1	5.3	5.0	-1.7	-1.7	318.3	323.0	4.5	11.7	3.9	5.0
15.4	4.0	135.0	9.3	-21.6	292.6	5.4	5.3	-1.2	-1.2	319.2	322.7	1.0	9.4	3.9	11.0
16.1	4.0	135.0	9.3	-23.4	272.3	3.9	3.9	-0.5	-0.5	319.7	322.9	0.9	9.6	3.9	16.0
17.1	4.0	135.0	9.0	-24.1	272.3	2.5	2.5	0.6	0.6	321.7	322.7	0.7	9.1	4.0	19.0
17.5	5.0	135.0	9.6	-24.4	212.7	1.9	1.0	1.6	1.6	321.7	322.7	0.6	9.7	4.1	20.0
18.4	5.0	135.0	-3.1	-31.0	193.2	2.5	0.1	2.5	2.5	323.4	322.4	0.6	10.3	4.2	19.0
19.7	5.0	135.0	-6.4	-32.6	187.6	3.4	0.4	3.3	3.3	325.7	322.3	0.5	13.3	4.4	19.0
20.3	5.0	135.0	-9.3	-34.4	173.4	5.7	1.9	5.3	5.3	325.7	323.1	0.4	10.4	4.4	19.0
21.4	6.0	135.0	-12.3	-33.3	213.1	8.3	4.5	7.3	7.3	324.9	324.7	0.5	14.5	5.4	19.0
22.4	6.0	135.0	-15.9	-35.7	216.9	9.9	5.9	9.3	9.3	323.3	324.7	0.6	15.3	6.1	22.0
23.3	6.0	135.0	-23.4	-38.3	204.4	10.7	5.2	9.3	9.3	322.8	324.0	0.3	19.3	6.9	23.0
24.3	6.0	135.0	-23.4	-40.3	211.7	10.1	5.3	8.4	8.4	323.2	324.3	0.3	22.0	7.9	24.0
25.3	6.0	135.0	-27.3	-43.3	211.7	10.1	7.9	8.2	8.2	325.4	325.0	0.1	10.1	8.8	25.0
26.3	6.0	135.0	-27.3	-43.3	224.0	11.6	7.9	7.1	7.1	328.2	328.5	0.1	8.8	9.9	26.0
27.3	6.0	135.0	-33.1	-52.7	32.4	11.7	9.2	11.6	11.6	331.0	331.2	0.1	7.4	11.0	31.0
28.3	6.0	135.0	-33.1	-56.4	238.4	14.2	11.6	10.1	10.1	335.5	334.7	0.0	7.4	12.6	34.0
29.3	6.0	135.0	-36.1	-59.9	238.2	19.2	16.3	18.1	18.1	337.2	337.2	0.0	9.9	14.7	38.0
30.3	6.0	135.0	-43.1	-63.1	241.4	20.2	17.7	19.7	19.7	337.2	337.2	0.0	9.9	14.7	38.0
31.3	6.0	135.0	-45.1	-63.0	239.2	21.7	18.6	11.1	11.1	339.0	339.0	0.0	9.9	17.1	41.0
32.3	6.0	135.0	-53.4	-69.3	239.2	23.5	20.2	12.3	12.3	341.3	339.0	0.0	9.9	19.9	44.0
33.3	6.0	135.0	-58.2	-74.7	239.9	25.0	21.7	12.5	12.5	346.9	339.0	0.0	9.9	23.2	48.0
34.3	6.0	135.0	-58.6	-74.3	243.3	26.1	23.3	11.8	11.8	350.6	339.0	0.0	9.9	27.2	48.0
35.3	6.0	135.0	-61.0	-77.4	243.3	25.1	22.9	10.4	10.4	357.4	339.0	0.0	9.9	31.3	51.0
36.3	6.0	135.0	-63.0	-81.3	237.3	20.2	17.0	10.9	10.9	360.9	339.0	0.0	9.9	35.5	52.0
37.3	6.0	135.0	-67.1	-81.3	224.0	16.4	12.2	11.0	11.0	368.1	339.0	0.0	9.9	40.2	53.0
38.3	6.0	135.0	-68.4	-82.0	173.4	10.8	-0.1	10.8	10.8	427.4	339.0	0.0	9.9	43.6	47.0
39.3	6.0	135.0	-68.4	-82.0	173.4	10.8	-0.1	10.8	10.8	427.4	339.0	0.0	9.9	43.6	47.0
40.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
41.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
42.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
43.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
44.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
45.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
46.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
47.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
48.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
49.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
50.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
51.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
52.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
53.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
54.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
55.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
56.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
57.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
58.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
59.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
60.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
61.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
62.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
63.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
64.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
65.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
66.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
67.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
68.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
69.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0
70.3	6.0	135.0	-65.4	-85.4	99.9	99.9	99.9	2.2	2.2	503.2	339.0	0.0	9.9	43.6	47.0

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

STATION NO. 200  
LAKE CHARLES, LOUISIANA  
9 MAY 2005 GMT

TIME MIN	CNTCT	WEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT T DG K	WX STO GM/KG	RM PCY	RANGE KM	AI DG
0-0	6-9	5-3	1008.3	28.3	21.6	160.0	6.1	-1.4	3.9	389.7	344.0	18.3	67.0	0.0	0.0
0-3	6-7	78.5	1000.0	28.7	19.4	999.9	99.9	99.9	99.9	299.9	338.0	14.4	64.0	999.9	999.9
1-3	9-0	301.4	974.0	23.9	17.2	999.9	99.9	99.9	99.9	209.2	333.2	12.8	66.1	999.9	999.9
2-3	11-3	528.6	953.0	22.5	17.0	149.7	6.8	-3.4	9.9	300.0	336.4	1.9	71.1	1.0	334.
3-2	11-6	760.4	925.0	20.3	15.6	159.7	6.6	-2.7	6.0	300.0	332.0	12.0	73.8	1.0	334.
3-9	16-0	996.7	900.0	19.3	10.0	165.6	7.4	-1.0	7.1	301.4	324.9	8.6	86.7	1.7	335.
4-8	18-4	1239.1	875.0	19.0	2.8	176.9	7.1	-0.4	7.1	303.6	318.7	9.4	34.8	2.1	338.
5-7	20-8	1407.5	850.0	18.6	-5.3	180.7	7.1	0.1	7.1	305.6	314.7	3.1	19.7	2.4	342.
6-7	21-3	1743.0	825.0	17.9	-3.4	187.1	6.1	1.0	6.1	307.5	319.7	4.2	27.1	2.8	344.
7-5	25-7	2005.9	800.0	17.6	-3.4	205.8	18.1	6.4	9.1	309.9	321.3	3.9	24.6	3.3	350.
8-7	28.5	2276.3	775.0	17.6	-19.3	202.0	9.1	3.4	8.4	311.9	315.7	1.2	7.8	3.8	350.
9-7	30-8	2554.9	750.0	16.5	-30.6	191.7	7.6	1.5	7.3	314.9	315.8	0.4	2.5	4.3	350.
10-8	33-4	2841.5	725.0	14.5	-41.1	176.3	3.9	-0.3	3.9	315.3	315.9	0.1	1.0	4.7	359.
11-9	36.1	3137.1	700.0	13.5	-44.3	235.3	1.6	1.2	0.8	317.9	323.2	1.8	13.0	4.8	359.
13-0	38.8	3441.2	675.0	10.8	-19.0	264.4	3.6	3.6	0.3	317.8	321.9	1.3	10.5	4.8	1.
14-2	41.4	3754.3	650.0	8.8	-22.5	297.1	3.0	2.9	0.7	319.0	322.2	1.0	8.6	4.8	0.
15-5	44.4	4077.1	625.0	6.3	-23.7	207.0	2.5	1.1	2.2	319.7	322.7	0.9	9.4	4.9	0.
16-7	47.2	4409.7	600.0	3.4	-29.1	180.2	5.6	0.0	5.0	320.1	322.1	0.6	7.0	5.2	5.
17-9	50.7	4752.9	575.0	0.5	-30.8	186.6	6.6	0.7	6.6	320.6	322.4	0.5	7.4	5.6	5.
19-2	57.1	5107.3	550.0	-2.7	-32.7	189.6	7.6	1.3	7.5	320.9	322.4	0.4	7.8	6.2	6.
20-6	56.3	5473.9	525.0	-5.6	-34.4	197.2	7.6	2.3	7.3	321.7	323.1	0.4	6.1	6.8	6.
21-9	59.4	5853.4	500.0	-8.9	-35.2	205.4	9.4	4.0	6.5	322.2	323.5	0.4	9.7	7.4	8.
23-6	62.6	6248.5	475.0	-12.3	-36.9	208.6	10.3	4.9	9.0	322.7	324.2	0.4	13.2	8.2	10.
24-9	65.9	6658.1	450.0	-16.2	-37.7	211.5	11.7	6.1	10.0	322.9	324.1	0.3	13.6	9.2	12.
26-6	69.3	7095.1	425.0	-20.3	-38.5	212.6	12.3	6.6	10.3	322.9	324.1	0.3	17.8	10.2	14.
27-9	72.9	7530.0	400.0	-25.1	-40.3	217.6	13.0	7.9	10.3	322.4	323.5	0.3	22.5	11.3	16.
29-5	76.4	7997.9	375.0	-29.9	-42.5	233.0	13.9	11.1	8.4	326.0	326.5	0.1	9.7	12.4	19.
31-3	80.3	8493.5	350.0	-29.7	-52.8	237.9	14.4	12.2	7.7	328.8	329.1	0.1	8.4	13.6	23.
33-1	84.2	9018.4	325.0	-32.7	-56.2	238.8	19.4	16.6	10.0	331.7	331.9	0.1	7.4	15.1	26.
34-1	88.3	9577.9	300.0	-36.5	-57.9	245.1	20.7	18.8	8.7	333.9	334.1	0.0	9.7	17.2	32.
37-3	92.8	10176.2	275.0	-40.5	-59.9	245.8	20.9	19.0	8.6	336.8	336.8	19.9	999.9	19.3	36.
37-5	97.4	10918.7	250.0	-43.6	-59.9	246.3	21.9	20.0	8.8	338.2	338.2	99.9	999.9	22.1	40.
41-9	102.7	11512.9	225.0	-50.7	-59.9	245.5	21.9	19.0	9.1	340.9	339.9	99.9	999.9	24.8	43.
44-9	107.9	12276.1	200.0	-53.6	-59.9	245.7	26.3	24.0	10.8	347.9	339.9	99.9	999.9	28.5	46.
47-8	113.3	13127.2	175.0	-56.6	-59.9	244.8	26.1	23.6	11.1	350.0	339.9	99.9	999.9	33.3	49.
51-0	119.3	14100.0	150.0	-59.6	-59.9	247.0	25.6	23.4	10.0	367.5	339.9	99.9	999.9	38.4	51.
55-0	126.3	15235.6	125.0	-62.8	-59.9	241.2	20.8	17.6	9.6	381.3	339.9	99.9	999.9	43.3	53.
59-7	134.0	16598.5	100.0	-66.7	-59.9	228.1	16.9	12.5	11.3	398.9	339.9	99.9	999.9	49.1	53.
65-4	143.0	18315.4	75.0	-69.5	-59.9	191.0	11.0	2.1	10.8	427.4	339.9	99.9	999.9	53.7	51.
73-1	153.0	20809.3	50.0	-59.9	-59.9	116.2	7.2	-6.4	3.2	502.3	339.9	99.9	999.9	63.7	48.
84-9	163.5	25293.0	25.0	-47.0	-59.9	63.1	10.8	-9.3	-4.7	649.8	339.9	99.9	999.9	49.4	45.

\* 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

162 17. 0

STATION NO. 240  
LAKE CHARLES, LOUISIANA  
9 MAY 1973

TIME MIN	CHIT	WIND DIR	WIND SPEED	DIR DEG	WIND SPEED	U COMP M/SEC	V COMP M/SEC	PCT %	E MGT DU K	ME STD CM/SEC	RM PCT	RANGE AZ RM	17.0
00	5.4	21.9	27.8	165.0	5.7	-3.7	4.4	33.4	344.2	16.6	73.0	0.0	0.0
01	6.1	20.5	27.2	167.5	7.7	-6.9	6.3	27.4	343.0	15.4	75.7	0.6	317.0
02	6.4	19.1	23.7	154.5	7.3	-6.7	5.5	27.0	337.1	14.4	75.4	0.6	318.0
03	6.5	14.2	22.1	135.5	7.1	-5.9	5.1	23.0	339.0	14.9	83.7	0.9	319.0
04	6.5	17.9	17.7	137.6	7.6	-5.1	5.5	20.4	335.7	14.1	87.3	1.3	317.0
05	6.5	12.6	15.1	153.1	7.1	-3.6	6.3	33.2	329.1	10.3	65.3	1.7	319.0
06	6.5	12.7	16.4	164.1	6.6	-1.9	6.6	33.3	321.3	6.2	34.0	2.0	321.0
07	6.5	13.7	17.7	161.1	7.3	0.1	7.3	33.7	321.7	11.4	75.6	2.3	327.0
08	6.5	13.7	16.4	164.9	7.5	1.9	7.2	35.1	334.4	10.7	79.1	2.7	337.0
09	6.5	8.9	15.4	224.9	6.9	5.2	6.5	32.7	347.0	6.4	43.6	2.9	349.0
10	6.5	8.9	16.4	235.1	7.2	6.6	6.4	31.5	321.9	3.5	23.2	3.2	347.0
11	6.5	13.1	15.1	223.1	7.7	5.3	5.5	31.2	319.5	2.0	14.1	3.1	355.0
12	6.5	12.6	14.8	228.5	5.8	2.3	4.9	31.3	315.6	1.0	7.3	3.6	363.0
13	6.5	11.4	12.2	214.1	3.4	2.2	2.7	31.7	324.0	2.2	15.7	3.9	1.0
14	6.5	11.2	24.9	3.4	3.1	1.2	1.2	31.6	323.1	2.1	17.9	4.2	4.0
15	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
16	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
17	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
18	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
19	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
20	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
21	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
22	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
23	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
24	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
25	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
26	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
27	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
28	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
29	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
30	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
31	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
32	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
33	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
34	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
35	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
36	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
37	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
38	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
39	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
40	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
41	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
42	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
43	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
44	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
45	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
46	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
47	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
48	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
49	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
50	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
51	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
52	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
53	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
54	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
55	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
56	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
57	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
58	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
59	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
60	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
61	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
62	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
63	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
64	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
65	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
66	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
67	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
68	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
69	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
70	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
71	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
72	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
73	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
74	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
75	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
76	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
77	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
78	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
79	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
80	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
81	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
82	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
83	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
84	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
85	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
86	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
87	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
88	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
89	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
90	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
91	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
92	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
93	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
94	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
95	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
96	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
97	6.5	17.3	23.8	3.5	2.9	2.1	2.1	31.4	323.1	1.5	13.7	4.1	7.0
98	6.5	17.3	23.8	3.5	2.9	2.							

STATION NO. 208  
LAKE CHARLES, LOUISIANA  
10 MAY 1979  
209 GMT

TIME MIN	ENTR	WIND SPH	PRES MB	TEMP DG C	DIR DG	SPEED M/SEC	W COMP M/SEC	V COMP M/SEC	POT 1 DG K	E POT 1 DG K	HE MB GMS/KG	RM PCT	RANGE KI	AI DE
0.0	9.6	9.0	1007.4	29.0	120.0	9.1	-0.4	2.5	297.8	340.3	16.8	82.0	0.0	0.0
0.2	6.6	7.7	1006.9	23.9	122.3	10.7	-0.1	8.7	297.8	341.0	16.9	89.3	0.3	3.6
1.0	4.6	293.0	975.2	22.0	125.9	10.3	-0.3	6.9	298.2	342.4	16.9	92.0	0.6	30.2
1.8	11.0	320.0	959.0	21.3	136.0	9.9	-0.1	6.4	298.2	348.2	18.0	92.0	1.3	30.6
2.7	13.5	752.1	925.0	21.4	140.4	9.6	-0.5	7.3	301.2	322.0	8.0	68.4	1.5	31.1
3.7	15.0	990.6	900.0	21.9	161.7	9.0	-2.1	6.8	304.1	320.7	12.0	64.0	1.9	31.6
4.6	16.4	1234.7	875.0	19.2	177.0	8.2	-0.4	8.2	293.0	348.4	13.7	80.2	2.2	32.2
5.5	20.9	1493.9	850.0	17.3	197.0	6.5	1.1	6.6	300.2	342.0	13.2	80.2	2.7	32.8
6.5	23.4	1730.9	825.0	15.2	190.3	7.0	1.4	7.7	300.7	342.2	12.3	92.0	3.0	33.0
7.4	26.0	2000.3	800.0	16.0	180.5	5.3	1.0	9.3	309.1	323.7	8.7	27.9	3.3	33.8
8.4	28.6	2270.6	775.0	17.5	210.8	6.1	3.1	9.3	312.6	313.7	8.2	2.0	3.0	34.3
9.3	31.2	2544.5	750.0	16.3	204.0	5.9	2.9	9.3	314.3	310.9	8.2	1.0	3.0	34.7
10.7	33.7	2838.4	725.0	13.3	210.2	3.0	1.1	3.6	316.2	310.4	8.7	0.4	0.1	35.6
11.0	36.7	3131.7	700.0	13.2	217.7	3.8	2.1	2.0	317.1	317.7	8.2	1.3	0.2	36.1
12.8	39.4	3435.0	675.0	11.7	226.0	3.9	3.8	2.5	310.1	310.0	8.1	1.0	0.5	36.6
14.7	42.2	3740.7	650.0	8.6	230.2	3.7	3.0	2.5	318.0	318.0	8.2	1.7	4.0	37.4
15.1	45.0	4071.0	625.0	5.0	240.0	3.6	2.1	3.0	310.2	319.3	8.1	1.0	4.0	38.0
16.3	47.0	4402.3	600.0	3.2	240.0	4.7	1.3	4.5	319.0	320.2	8.1	1.0	5.0	38.6
17.7	51.0	4745.2	575.0	0.2	190.4	7.9	1.0	7.0	320.2	320.9	8.1	1.0	6.0	39.1
19.1	53.0	5090.7	550.0	-2.3	107.0	10.1	1.0	10.0	321.3	321.7	8.1	1.4	7.1	39.7
20.0	57.1	5400.6	525.0	-5.3	101.2	9.7	3.0	8.5	322.0	322.7	8.2	2.0	7.1	40.3
21.7	61.3	5667.9	500.0	-8.0	218.2	7.0	3.9	6.0	322.0	323.0	8.3	0.9	7.7	40.9
23.2	63.6	6242.0	475.0	-12.3	226.0	10.3	7.0	6.0	322.7	326.1	8.4	12.3	8.0	41.6
24.0	67.0	6651.5	450.0	-15.0	232.8	12.7	10.0	7.9	322.0	326.2	8.9	20.1	8.2	42.0
25.5	70.0	7070.0	425.0	-20.5	238.7	13.5	13.1	6.6	322.7	326.7	8.7	24.4	10.2	42.8
28.2	74.0	7534.0	400.0	-25.0	250.2	15.6	12.0	7.9	322.7	326.9	8.7	24.4	11.0	43.0
30.2	77.7	7991.1	375.0	-29.7	251.6	19.8	10.0	4.2	320.3	320.3	8.0	1.8	13.0	43.8
32.9	81.0	8407.1	350.0	-20.0	260.3	14.3	10.3	1.4	320.2	320.3	8.0	1.0	15.2	44.6
34.7	85.9	8914.1	325.0	-15.0	262.1	10.0	12.0	1.0	332.0	322.0	8.0	1.0	15.5	45.4
37.1	89.7	9375.2	300.0	-10.3	264.2	10.0	16.0	1.0	340.2	334.2	8.0	1.0	17.1	46.2
39.0	94.2	10172.5	275.0	-11.8	260.2	17.0	17.0	1.0	374.0	329.0	8.0	1.0	17.1	46.2
42.5	96.6	10812.0	250.0	-06.3	260.5	17.0	17.0	2.0	337.2	366.6	8.0	1.0	21.7	47.0
45.5	103.7	11505.0	225.0	-50.0	253.0	17.0	17.0	2.0	360.7	360.7	8.0	1.0	21.7	47.0
48.0	100.0	12205.0	200.0	-54.1	291.5	21.7	21.2	0.7	307.2	300.0	8.0	1.0	20.2	50.0
52.0	114.2	13110.0	175.0	-55.7	250.0	23.2	22.0	6.1	250.0	300.0	8.0	1.0	23.2	52.0
56.0	120.0	14002.1	150.0	-50.0	250.7	23.0	23.0	7.9	260.1	300.0	8.0	1.0	23.0	52.0
61.6	128.9	15227.5	125.0	-43.0	241.0	10.2	10.0	8.1	300.0	300.0	8.0	1.0	23.0	52.0
67.0	133.3	16303.1	100.0	-40.0	228.0	18.7	11.3	10.9	300.1	300.0	8.0	1.0	23.0	52.0
73.4	142.0	17290.0	75.0	-40.0	191.5	6.7	1.7	0.5	430.5	300.0	8.0	1.0	23.0	52.0
83.1	154.5	20780.0	50.0	-61.0	100.0	0.7	-0.0	2.1	400.5	300.0	8.0	1.0	23.0	52.0
90.2	165.3	25250.2	25.0	-47.0	90.0	92.0	90.0	92.0	607.5	607.5	8.0	1.0	23.0	52.0

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

STATION NO. 240  
LAKE CHARLES, LOUISIANA  
10 MAY 1979  
535 GMT

TIME MIN	CMFCY	WGT LBS	WIND KTS	TEMP C	DEW C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	P T F D G K	E P J T D G K	MR P T O G M K S	RM P L T	RANGE KM	AZ DN
0-0	5-8	1000.0	1000.0	21.9	22.2	192.0	9.6	-3.0	3.5	210.3	340.2	10.0	90.0	0.2	0.0
0-3	6.2	1000.0	1000.0	21.8	22.5	136.4	13.5	-0.3	9.8	210.9	340.2	10.0	90.0	0.2	0.0
1-0	6.5	1000.0	1000.0	22.0	21.0	136.1	13.6	-0.9	10.3	207.3	319.0	10.0	93.0	0.7	317.0
1-3	7.0	1000.0	1000.0	21.0	19.3	143.1	14.2	-0.5	11.3	209.5	319.0	10.0	93.0	0.7	319.0
2-0	7.3	1000.0	1000.0	21.3	19.3	150.7	12.2	-0.0	10.7	209.1	313.0	10.0	93.0	0.6	2.1 321.0
3-0	7.6	1000.0	1000.0	21.2	15.4	165.5	9.9	-0.5	9.6	311.3	317.7	10.0	71.0	2.6	324.0
4-0	8.0	1000.0	1000.0	19.3	17.3	174.4	9.4	-0.1	9.4	301.9	342.5	10.0	88.0	3.1	320.0
5-0	8.5	1000.0	1000.0	17.2	16.1	182.3	9.4	0.4	9.4	348.1	348.1	10.0	93.0	3.6	330.0
6-0	9.0	1000.0	1000.0	15.2	14.0	196.1	8.9	0.9	9.0	348.7	319.1	10.0	92.0	4.0	339.0
7-0	9.5	1000.0	1000.0	16.4	-15.3	202.2	8.4	3.2	7.6	304.6	320.4	10.0	33.0	6.5	302.0
8-0	10.0	1000.0	1000.0	19.5	-19.6	204.9	8.6	3.6	7.4	311.7	316.3	10.0	1.0	6.9	366.0
9-0	10.5	1000.0	1000.0	17.5	-34.3	195.7	7.2	1.9	6.9	315.4	316.0	10.0	1.0	5.3	349.0
10-0	11.0	1000.0	1000.0	15.1	-43.7	202.1	5.5	2.1	5.1	316.0	316.5	10.0	1.0	5.7	351.0
11-0	11.5	1000.0	1000.0	12.9	-42.1	213.2	6.2	3.4	5.2	316.7	317.2	10.0	1.0	6.0	353.0
12-0	12.0	1000.0	1000.0	12.7	-41.4	209.6	5.4	2.6	4.7	317.6	314.1	10.0	1.0	6.3	356.0
13-0	12.5	1000.0	1000.0	9.3	-44.7	199.4	4.5	0.7	4.5	316.3	319.7	10.0	1.0	6.9	357.0
14-0	13.0	1000.0	1000.0	5.7	-46.4	192.2	5.3	0.2	5.3	319.0	319.4	10.0	1.0	6.9	357.0
15-0	13.5	1000.0	1000.0	3.5	-47.4	199.7	8.0	2.5	7.4	320.1	320.5	10.0	1.0	7.4	358.0
16-0	14.0	1000.0	1000.0	1.1	-48.1	210.3	9.6	4.8	8.1	321.3	321.6	10.0	1.0	8.0	360.0
17-0	14.5	1000.0	1000.0	-2.2	-48.4	220.4	10.4	6.8	7.9	321.4	321.7	10.0	1.0	8.7	360.0
18-0	15.0	1000.0	1000.0	-3.6	-53.4	226.4	13.7	7.7	7.6	321.8	321.9	10.0	1.0	9.4	360.0
19-0	15.5	1000.0	1000.0	-5.2	-55.7	229.6	13.5	7.9	6.9	321.8	322.0	10.0	1.0	10.1	360.0
20-0	16.0	1000.0	1000.0	-7.2	-57.7	221.3	11.0	7.3	6.3	322.0	322.3	10.0	1.0	10.8	360.0
21-0	16.5	1000.0	1000.0	-12.0	-51.2	213.3	11.0	7.0	6.3	322.0	322.3	10.0	1.0	11.7	360.0
22-0	17.0	1000.0	1000.0	-17.0	-37.9	216.4	11.7	7.0	9.4	321.9	322.0	10.0	1.0	12.7	360.0
23-0	17.5	1000.0	1000.0	-23.7	-32.3	224.8	11.7	6.2	9.3	322.4	324.4	10.0	1.0	13.7	360.0
24-0	18.0	1000.0	1000.0	-23.2	-64.7	253.5	12.7	12.1	3.6	324.8	324.9	10.0	1.0	14.6	360.0
25-0	18.5	1000.0	1000.0	-25.1	-65.7	240.5	11.1	10.9	-2.0	324.4	324.4	10.0	1.0	14.9	360.0
26-0	19.0	1000.0	1000.0	-23.2	-68.6	263.9	10.0	9.7	-2.4	320.4	329.5	10.0	1.0	15.7	360.0
27-0	19.5	1000.0	1000.0	-32.9	-71.1	271.0	10.6	10.6	-0.6	331.3	331.4	10.0	1.0	15.7	360.0
28-0	20.0	1000.0	1000.0	-37.1	-73.3	263.0	11.5	11.4	1.4	331.0	333.1	10.0	1.0	17.0	360.0
29-0	20.5	1000.0	1000.0	-41.9	-79.3	257.4	15.3	14.9	3.3	334.6	339.0	10.0	99.0	19.1	360.0
30-0	21.0	1000.0	1000.0	-45.7	-99.9	263.2	17.6	17.6	3.1	338.1	339.0	10.0	99.0	22.2	360.0
31-0	21.5	1000.0	1000.0	-51.2	-99.9	259.4	19.5	19.2	3.6	341.7	339.0	10.0	99.0	26.0	360.0
32-0	22.0	1000.0	1000.0	-54.4	-99.9	257.2	20.5	20.0	4.5	346.1	339.0	10.0	99.0	30.5	360.0
33-0	22.5	1000.0	1000.0	-57.4	-99.9	251.1	22.6	21.6	7.4	355.2	339.0	10.0	99.0	36.2	360.0
34-0	23.0	1000.0	1000.0	-59.5	-99.9	252.0	26.1	26.0	8.1	367.6	339.0	10.0	99.0	44.0	360.0
35-0	23.5	1000.0	1000.0	-54.1	-99.9	242.6	21.8	19.3	10.0	374.0	339.0	10.0	99.0	52.1	360.0
36-0	24.0	1000.0	1000.0	-64.4	-99.9	232.9	16.8	13.4	10.1	395.5	339.0	10.0	99.0	60.2	360.0
37-0	24.5	1000.0	1000.0	-67.2	-99.9	99.9	99.9	99.9	99.9	332.1	339.0	10.0	99.0	99.9	360.0
38-0	25.0	1000.0	1000.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	339.0	10.0	99.0	99.9	360.0
39-0	25.0	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	339.0	10.0	99.0	99.9	360.0

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

STATION NO. 249  
LAKE CHARLES, LOUISIANA  
16 MAY 1979 005 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG C	E POT T DEG C	HI 078 GM/KG	RM PCT	RANGE KM	AZ DEG
0.0	6.7	5.0	1000.0	23.0	22.9	150.0	7.2	-3.0	0.2	297.8	343.5	17.7	00.0	0.0	0.0
0.3	7.5	75.1	1000.0	23.4	22.5	999.9	99.9	99.9	99.9	290.8	341.7	17.4	00.0	999.9	000.0
1.1	9.0	290.7	975.0	22.2	21.2	999.9	99.9	99.9	99.9	297.3	340.6	16.6	00.0	999.9	000.0
2.0	12.1	523.0	950.0	22.9	19.8	999.9	99.9	99.9	99.9	298.4	339.0	15.5	00.0	1.7	320.0
2.9	14.5	753.3	925.0	22.4	15.4	168.6	13.4	-2.7	13.1	302.3	336.7	12.1	00.0	2.5	330.0
3.9	17.0	993.9	900.0	21.2	13.9	179.4	13.0	-0.1	13.0	303.4	335.0	11.2	02.9	3.1	337.0
4.3	19.4	1237.7	875.0	19.5	14.1	181.7	13.0	0.4	13.6	304.1	335.9	11.7	71.0	3.9	341.0
5.0	21.0	1487.0	850.0	17.2	14.0	181.0	12.5	0.2	12.5	306.1	336.3	12.6	86.2	4.6	348.0
6.0	24.3	1742.0	825.0	15.3	14.2	186.4	10.0	1.1	10.0	308.3	336.7	12.5	93.0	5.3	347.0
7.9	26.9	2003.0	800.0	13.4	12.4	199.8	9.0	3.3	9.2	308.4	336.0	11.9	93.9	5.8	349.0
8.9	29.4	2271.1	775.0	10.3	-10.7	210.4	11.0	9.6	9.5	313.5	314.7	9.2	1.0	6.3	353.0
10.0	32.1	2550.5	750.0	17.3	-19.4	213.4	8.7	0.8	7.3	315.3	315.9	9.2	1.0	6.9	357.0
11.2	34.7	2837.9	725.0	15.0	-48.7	219.7	8.8	8.1	6.2	315.9	316.5	9.1	1.0	7.3	359.0
12.3	37.4	3132.9	700.0	12.8	-82.1	220.3	7.6	9.9	6.9	316.7	317.2	9.1	1.0	7.7	3.0
13.5	40.1	3436.0	675.0	10.0	-93.0	227.9	6.1	4.8	6.1	316.8	317.3	9.1	1.0	8.0	8.0
14.8	42.9	3747.3	650.0	6.0	-95.7	206.0	5.4	2.4	4.9	316.7	317.0	9.1	1.0	8.4	6.0
16.2	45.9	4067.2	625.0	6.0	-97.1	201.5	6.8	2.4	6.0	317.7	318.0	9.1	1.0	8.8	7.0
17.5	48.7	4398.8	600.0	2.3	-98.5	214.2	9.4	8.0	7.6	318.9	319.1	9.1	1.0	9.4	0.0
18.9	51.7	4733.6	575.0	-0.3	-98.1	232.5	10.7	8.5	6.5	319.7	319.9	9.1	1.0	10.1	11.0
20.1	54.4	5094.0	550.0	-3.3	-92.0	242.5	8.8	7.8	6.1	320.2	320.4	9.1	1.0	10.4	14.0
21.5	57.0	5459.5	525.0	-6.6	-94.1	235.7	8.0	6.6	4.5	320.5	320.7	9.0	1.0	11.1	17.0
22.9	60.9	5833.0	500.0	-9.9	-94.2	229.4	9.6	6.5	9.6	320.9	321.1	9.0	1.0	11.6	19.0
24.1	64.1	6230.7	475.0	-13.5	-97.4	224.5	9.2	6.4	6.6	321.2	321.3	9.0	1.0	12.3	20.0
25.5	67.4	6638.1	450.0	-18.0	-98.3	218.7	8.6	9.0	6.2	320.6	321.5	9.2	12.3	12.9	21.0
27.1	71.0	7061.0	425.0	-22.2	-95.7	224.9	8.5	6.2	6.4	320.8	322.0	9.4	27.0	13.7	22.0
29.8	74.5	7507.0	400.0	-23.1	-94.7	253.9	9.0	6.7	2.5	324.9	325.0	9.8	1.0	14.5	25.0
30.7	78.2	7977.5	375.0	-25.5	-96.2	277.7	6.7	6.6	-0.9	327.9	328.0	9.8	1.0	14.9	28.0
32.9	82.0	8473.4	350.0	-29.9	-99.1	276.0	7.2	8.2	-0.2	328.5	328.5	9.0	1.0	15.1	30.0
35.0	86.0	8958.1	325.0	-33.6	-74.5	271.8	6.8	6.5	-0.2	330.4	330.5	9.0	1.0	15.3	33.0
37.0	90.2	9555.1	300.0	-37.8	-74.5	274.3	6.8	6.5	-0.6	332.1	332.1	9.0	1.0	15.3	35.0
39.1	94.5	10195.2	275.0	-42.4	99.9	260.7	13.3	13.2	2.2	333.8	333.8	9.5	999.9	16.8	39.0
41.5	99.2	10787.9	250.0	-46.3	99.9	262.7	14.6	15.9	2.0	337.2	337.2	9.9	999.9	18.4	43.0
43.8	104.0	11479.9	225.0	-51.1	99.9	260.3	14.6	14.6	2.5	340.2	340.2	9.9	999.9	20.1	47.0
46.5	109.3	12233.3	200.0	-54.4	99.9	252.8	21.5	20.9	6.3	340.6	340.6	9.9	999.9	22.7	51.0
49.7	115.0	13090.2	175.0	-58.4	99.9	258.5	24.8	24.3	5.0	354.4	354.4	9.9	999.9	26.7	54.0
53.0	121.3	14060.6	150.0	-64.6	99.9	269.3	27.2	26.0	4.6	367.3	367.3	9.9	999.9	31.6	59.0
57.0	128.3	15100.0	125.0	-68.6	99.9	249.3	22.0	21.1	0.0	370.8	370.8	9.9	999.9	37.2	62.0
61.4	136.0	16333.9	100.0	-69.2	99.9	233.8	18.0	16.5	14.6	394.1	394.1	9.9	999.9	42.7	62.0
67.4	144.7	18244.7	75.0	-69.7	99.9	186.5	9.8	1.1	9.8	426.9	426.9	9.9	999.9	46.9	68.0
75.0	154.0	20695.4	50.0	-61.9	99.9	113.4	0.2	-7.5	3.3	497.7	497.7	9.9	999.9	46.4	58.0
90.1	163.7	25177.2	25.0	-48.7	99.9	59.4	0.7	-5.8	-3.4	645.0	645.0	9.9	999.9	48.1	52.0

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

ORIGINAL PAGE 1  
 04 15 1979



STATION NO. 280  
LAKE CHARLES, LOUISIANA  
10 MAY 1979  
1100 GMT

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TIME MST	CMTCE	HFEIGHT M	PHFTS FT	TEMP C	DEW PT C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T CG K	E POT T DG K	MR PTO GM/KG	RM PCT	RANGE KM	AZ DG
01.0	5.2	78.0	12.4+3	24.9	22.9	150.0	6.7	-3.4	5.8	296.9	342.7	17.7	51.0	0.0	0.0
01.1	5.9	78.0	12.10+3	25.3	23.9	159.5	11.0	-8.0	10.2	248.2	348.1	18.2	94.3	0.3	333.0
01.2	3.3	77.0	12.75+3	23.1	22.5	134.2	13.2	-8.9	12.3	244.6	345.1	17.9	96.4	0.7	336.0
01.3	1.6	75.0	12.50+3	21.7	21.2	103.6	16.0	-5.3	15.1	292.2	343.7	17.0	97.0	1.4	336.0
01.4	1.6	75.0	12.50+3	22.4	18.9	163.9	15.5	-2.8	15.3	322.6	333.8	11.5	60.7	2.3	339.0
01.5	15.5	72.0	12.20+3	21.7	16.2	172.0	14.5	-2.0	14.3	303.9	333.3	13.1	71.0	3.2	343.0
01.6	17.9	124.3+3	12.50+3	19.9	16.2	182.5	13.6	0.6	13.6	324.5	330.7	13.4	79.1	3.9	345.0
01.7	2.4	147.3+3	12.50+3	19.7	13.7	189.5	11.6	1.7	11.5	325.9	336.5	11.2	69.3	4.6	349.0
01.8	27.3	174.9+3	12.50+3	16.2	14.8	192.5	11.4	2.1	11.2	325.7	340.3	12.6	89.1	5.3	351.0
01.9	2.8	201.1+3	12.50+3	16.1	12.9	202.2	10.9	8.1	10.1	306.2	319.4	11.7	91.9	5.9	354.0
02.0	2.9	227.4+3	12.50+3	16.5	19.7	208.0	10.7	5.0	9.5	309.4	314.3	1.6	11.9	6.4	357.0
02.1	3.7	2.2+5	12.50+3	17.5	-32.2	212.6	9.6	5.2	8.1	315.6	316.2	0.2	1.0	6.9	362.0
02.2	31.3	244.3+3	12.50+3	15.7	-40.3	214.8	8.0	5.1	6.1	316.7	317.3	0.2	1.0	7.9	2.0
02.3	31.9	318.7+3	12.50+3	13.5	-81.7	225.6	6.3	4.5	4.6	317.4	317.9	0.1	1.0	7.7	4.0
02.4	31.8	349.5+3	12.50+3	11.9	-83.2	218.6	5.3	3.3	4.2	318.3	318.4	0.1	1.0	8.0	6.0
02.5	41.5	372.7+3	12.50+3	7.9	-85.1	215.7	5.6	3.3	4.6	317.7	319.2	0.1	1.0	6.3	7.0
02.6	41.6	402.2+3	12.50+3	5.3	-85.7	222.7	6.0	4.1	4.6	319.5	319.9	0.1	1.0	6.6	8.0
02.7	47.3	481.1+3	12.50+3	2.4	-84.5	215.5	8.1	6.7	4.6	318.9	319.2	0.1	1.0	9.0	10.0
02.8	51.3	477.5+3	12.50+3	-3.9	-82.5	212.1	9.7	8.6	4.6	314.9	317.2	0.1	1.0	9.4	14.0
02.9	51.2	512.5+3	12.50+3	-3.5	-82.2	212.8	8.8	7.8	4.3	319.9	320.1	0.1	1.0	9.9	16.0
03.0	51.5	547.7+3	12.50+3	-7.0	-84.3	211.1	8.6	7.5	4.1	320.3	320.2	0.0	1.0	10.2	19.0
03.1	51.5	544.4+3	12.50+3	-10.5	-84.5	210.5	7.9	6.8	3.9	320.3	323.4	0.0	1.0	10.6	21.0
03.2	61.2	624.0+3	12.50+3	-14.3	-84.2	212.5	7.0	5.6	4.3	320.3	321.4	0.3	10.9	11.1	22.0
03.3	61.6	698.7+3	12.50+3	-19.5	-81.3	228.9	5.7	4.0	4.1	320.0	321.8	0.5	25.8	11.6	24.0
03.4	71.9	777.1+3	12.50+3	-23.6	-82.3	231.6	6.3	4.9	3.9	322.9	323.0	0.0	1.0	12.1	29.0
03.5	71.6	751.7+3	12.50+3	-21.4	-83.6	211.3	5.6	4.9	2.7	327.2	327.2	0.0	1.0	12.6	28.0
03.6	77.1	742.7+3	12.50+3	-24.5	-83.5	233.5	4.8	4.2	2.5	329.2	327.3	0.0	1.0	13.1	27.0
03.7	81.3	844.2+3	12.50+3	-24.1	-87.3	238.1	6.0	5.1	3.2	332.9	333.9	0.0	1.0	13.4	29.0
03.8	81.9	832.8+3	12.50+3	-32.2	-87.6	236.4	5.9	5.7	1.8	332.4	332.4	0.0	1.0	14.2	30.0
03.9	81.2	877.5+3	12.50+3	-37.2	-84.3	270.2	4.3	4.3	-0.0	332.9	332.9	0.0	1.0	14.5	32.0
04.0	91.5	1317.8+3	12.50+3	-42.2	-82.9	205.8	6.5	6.5	0.5	336.2	339.9	99.9	99.9	14.9	36.0
04.1	91.2	1341.2+3	12.50+3	-60.2	-84.9	274.6	7.7	7.7	-0.6	337.4	339.9	99.9	99.9	15.6	38.0
04.2	103.0	1157.0+3	12.50+3	-50.7	-80.7	271.7	8.1	8.1	-0.2	340.9	339.9	99.9	99.9	16.0	41.0
04.3	104.6	1226.8+3	12.50+3	-54.0	-84.9	293.6	18.4	18.4	2.1	347.3	339.9	99.9	99.9	17.9	46.0
04.4	114.3	1312.1+3	12.50+3	-66.0	-81.0	260.7	23.2	23.2	3.7	357.5	339.9	99.9	99.9	21.5	52.0
04.5	121.3	1424.1+3	12.50+3	-80.0	-84.9	291.3	25.3	25.3	3.8	366.7	339.9	99.9	99.9	26.5	58.0
04.6	127.0	1424.1+3	12.50+3	-4.1	-79.4	232.1	21.5	20.4	6.8	369.0	339.9	99.9	99.9	32.0	62.0
04.7	134.7	1657.2+3	103.0	-67.2	-84.9	234.6	17.3	18.9	8.7	426.2	339.9	99.9	99.9	38.0	62.0
04.8	143.3	1424.1+3	12.50+3	-70.0	-84.9	236.6	10.5	4.7	9.4	426.2	339.9	99.9	99.9	42.2	61.0
04.9	152.7	2476.7+3	50.3	-58.2	-84.9	112.2	8.2	-7.6	3.1	506.5	339.9	99.9	99.9	42.7	57.0
05.0	162.3	5216.8+3	25.0	-49.6	-84.9	99.9	99.9	99.9	99.9	602.6	339.9	99.9	99.9	37.4	56.0

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

STATION NO. 207  
LONGVIEW, TEXAS

9 MAY 1979  
1100 GMT

163 17. 0

TIME MIN	CHTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEB 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 MTO M/SEC	RM PCT	RANGE KM	AZ DG
0.1	7.4	124.0	993.5	19.4	10.6	190.0	1.5	0.0	1.5	293.1	320.0	13.7	95.0	0.0	0.
00.9	00.9	94.9	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0	00.0	000.0	00.0	000.
0.6	0.1	206.5	973.0	19.1	10.4	177.0	0.7	-0.4	0.7	204.4	330.2	13.0	93.5	0.2	2.
1.6	11.5	510.8	950.0	17.2	10.3	170.6	13.3	-0.8	13.3	206.7	327.4	12.6	92.4	0.7	300.
2.3	13.9	731.3	925.0	17.1	10.3	170.9	17.0	-2.8	17.5	200.6	329.3	12.6	92.3	1.5	350.
3.2	16.3	973.1	900.0	17.7	10.6	172.7	17.7	-2.3	17.6	209.7	326.0	9.0	93.1	2.6	354.
4.1	18.0	1216.2	875.0	17.7	9.1	170.1	19.6	-0.8	19.0	202.2	318.7	9.9	90.6	3.9	354.
5.1	21.2	1461.7	850.0	17.3	-3.4	181.0	12.0	0.4	12.0	304.3	313.4	3.1	21.3	4.3	303.
6.1	23.0	1715.9	825.0	17.3	-35.6	100.3	0.0	0.1	0.6	304.9	307.9	0.3	2.0	3.0	354.
7.1	26.3	1977.9	800.0	17.7	-39.1	183.4	0.1	0.4	0.1	310.1	310.6	0.2	1.0	3.8	357.
8.2	29.9	2249.6	775.0	17.5	-39.2	182.5	3.6	-1.0	3.2	312.7	313.3	0.2	1.0	3.8	357.
9.3	31.5	2526.6	750.0	15.5	-40.4	160.3	3.7	-1.2	3.6	313.4	313.9	0.1	1.0	3.9	356.
10.3	34.1	2812.6	725.0	16.2	-41.2	170.0	6.5	-0.8	6.5	315.1	315.6	0.1	1.0	6.2	356.
11.5	36.6	3104.6	700.0	11.6	-42.4	193.3	3.6	0.3	3.6	319.4	319.0	0.1	1.0	6.5	356.
12.7	39.6	3408.6	675.0	0.0	-42.2	227.9	4.5	3.3	3.0	316.2	316.6	0.1	1.0	6.7	357.
13.9	42.3	3719.5	650.0	0.0	-43.7	233.6	5.6	4.5	3.3	310.7	317.1	0.1	1.0	6.9	350.
14.1	43.2	4043.2	625.0	4.5	-47.2	228.0	5.7	3.7	4.6	317.6	317.9	0.1	1.0	7.2	2.
15.2	46.1	4370.4	600.0	1.5	-33.5	227.5	8.2	6.0	8.5	317.9	319.2	0.4	3.3	7.6	4.
16.0	51.0	4711.3	575.0	-1.3	-40.0	234.9	9.6	7.7	5.4	319.9	319.2	0.2	3.3	8.0	7.
17.0	54.0	5063.1	550.0	-4.2	-36.5	235.2	11.0	9.0	6.3	319.1	319.9	0.2	4.0	8.5	11.
17.2	54.1	5427.4	525.0	-7.0	-34.0	236.0	12.2	10.2	6.7	319.0	320.1	0.3	7.0	9.2	10.
17.5	63.6	5908.2	500.0	-11.4	-35.0	236.9	12.4	10.4	6.0	319.1	320.5	0.4	12.4	10.0	20.
17.7	63.6	6194.9	475.0	-14.7	-35.0	239.6	13.6	10.4	8.0	319.6	321.2	0.4	15.4	11.0	23.
17.8	66.9	6601.4	450.0	-18.2	-33.5	232.3	14.9	11.8	9.1	320.4	322.1	0.5	25.3	12.3	20.
17.9	73.9	7025.4	425.0	-21.0	-34.2	237.4	16.9	14.2	9.1	321.0	322.4	0.4	25.6	13.0	29.
17.9	73.9	7467.0	400.0	-26.2	-35.9	242.0	16.6	14.6	7.5	320.9	322.4	0.4	39.5	15.2	32.
17.9	71.4	7911.4	375.0	-29.3	-43.4	238.9	12.0	10.9	6.5	322.0	323.6	0.2	26.0	16.6	35.
18.6	81.3	8424.3	350.0	-29.0	-47.2	234.0	9.3	7.5	5.4	320.4	320.5	0.0	1.3	17.4	34.
18.7	85.3	8948.2	325.0	-34.0	-71.0	206.6	10.7	9.9	3.9	329.8	328.8	0.0	1.0	18.8	30.
18.7	85.4	9503.6	300.0	-39.5	-73.6	205.5	10.6	9.6	4.4	331.1	331.2	0.0	1.2	20.0	40.
18.7	93.0	10094.0	275.0	-43.9	99.9	200.9	10.2	8.9	5.0	331.6	999.9	99.9	999.9	21.4	42.
18.7	93.0	10720.3	250.0	-48.2	99.9	236.4	16.2	11.5	6.7	334.4	999.9	99.9	999.9	23.0	43.
18.7	103.4	11415.9	225.0	-52.2	99.9	205.5	21.0	19.1	6.7	330.8	999.9	99.9	999.9	25.0	45.
18.7	109.6	12171.9	200.0	-56.0	99.9	240.0	21.0	19.9	10.6	344.2	999.9	99.9	999.9	29.4	40.
18.7	116.5	13122.3	175.0	-59.6	99.9	239.3	22.1	19.0	11.3	351.5	999.9	99.9	999.9	33.3	40.
18.7	120.0	13973.1	150.0	-60.0	99.9	237.1	24.9	20.9	13.5	368.3	999.9	99.9	999.9	38.4	30.
18.7	127.0	15101.6	125.0	-63.9	99.9	237.9	29.9	22.0	13.0	379.2	999.9	99.9	999.9	44.4	31.
18.7	135.7	16466.5	100.0	-63.9	99.9	241.0	24.0	21.6	11.5	400.3	999.9	99.9	999.9	51.9	33.
18.7	145.0	18211.0	75.0	-70.3	99.9	203.3	10.2	4.6	9.3	425.6	999.9	99.9	999.9	57.5	53.
18.7	155.5	20702.0	50.0	-59.3	99.9	183.0	5.0	-4.9	3.2	503.0	999.9	99.9	999.9	58.0	31.
18.7	168.0	23180.2	25.0	-67.1	99.9	70.3	13.3	-12.0	-3.1	649.3	999.9	99.9	999.9	63.7	40.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 207  
LONGVIEW, TEXAS  
9 MAY 1979  
1405 GMT

TIME MUT	CMTCY	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 Y DG K	E POT Y DG K	MX WTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	7.3	124.0	975.0	22.8	19.6	190.0	5.1	0.9	5.0	226.4	334.4	14.6	82.0	0.0	0.0
0.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
0.5	9.1	301.0	975.0	20.8	19.2	172.1	8.9	-1.2	6.8	296.1	331.7	13.6	86.9	0.2	14.0
1.5	11.5	555.7	953.0	18.7	17.3	160.1	11.9	0.0	11.9	296.1	330.7	13.2	91.9	0.8	1.0
2.5	13.9	754.7	925.0	17.5	16.2	177.2	15.9	-0.8	15.9	297.2	330.4	12.7	92.3	1.6	1.0
3.6	16.3	923.0	925.0	18.4	11.4	178.0	16.3	-0.6	16.3	300.5	326.3	9.5	63.6	2.7	358.0
4.6	19.7	1231.6	925.0	19.3	7.0	184.1	14.4	1.0	14.3	302.8	322.8	7.2	47.7	3.6	359.0
5.5	21.2	1373.9	853.0	17.5	1.1	186.4	13.4	1.5	13.3	304.5	318.5	6.9	33.0	4.4	1.0
6.5	23.7	1734.3	825.0	17.3	-7.7	179.2	10.8	-0.2	10.8	306.9	316.7	2.6	17.6	5.1	1.0
7.5	26.3	1996.5	903.0	17.7	-18.6	179.7	7.6	-0.0	7.6	310.0	313.6	1.1	7.1	5.6	1.0
8.6	28.9	2266.9	775.0	17.2	-25.0	147.8	6.5	-3.5	5.5	312.4	314.5	0.6	4.1	6.1	0.0
9.4	31.4	2545.7	753.0	16.4	-21.3	134.9	6.8	-4.8	4.8	314.4	317.5	1.0	6.2	6.3	357.0
10.7	34.0	2932.8	725.0	15.2	-19.0	145.4	6.6	-3.7	5.4	316.1	319.9	1.2	7.9	6.7	355.0
11.9	36.7	3128.4	703.0	12.9	-20.1	176.3	5.1	-0.3	5.1	316.8	320.6	1.1	8.7	7.1	354.0
13.1	39.6	3432.2	675.0	10.4	-14.5	216.1	5.8	3.4	6.7	317.3	323.2	1.8	15.8	7.4	358.0
14.5	42.2	3744.6	650.0	7.9	-15.9	226.5	8.9	6.4	6.1	317.7	323.2	1.7	16.7	7.8	358.0
15.5	45.0	4056.1	625.0	5.1	-17.0	224.4	8.7	6.1	6.2	318.3	323.5	1.6	18.3	6.2	1.0
16.9	47.3	4374.2	603.0	1.9	-19.2	212.1	9.4	5.0	7.9	318.3	322.9	1.4	19.1	6.5	4.0
17.1	50.3	4733.7	575.0	-0.8	-25.0	209.4	10.3	5.1	9.0	319.1	322.0	0.9	13.9	9.5	6.0
18.3	53.9	5091.4	550.0	-4.0	-26.2	213.6	11.3	6.4	9.6	319.3	322.1	0.8	15.7	10.2	6.0
19.6	57.9	5455.7	525.0	-7.6	-26.9	214.9	11.4	6.5	9.3	319.3	322.0	0.8	13.4	11.0	10.0
20.1	60.1	5833.3	500.0	-10.6	-32.6	220.8	11.8	7.7	8.9	320.1	321.8	0.5	14.4	11.9	12.0
21.4	63.4	6225.6	475.0	-13.7	-38.5	219.6	13.7	6.7	10.6	321.1	322.1	0.3	10.2	12.9	15.0
22.8	66.7	6633.7	450.0	-17.3	-36.6	217.3	14.2	6.6	11.3	321.5	322.9	0.4	18.1	14.2	17.0
24.5	70.1	7054.1	425.0	-20.9	-37.8	222.8	12.7	6.6	9.3	322.1	323.4	0.3	20.2	15.4	19.0
26.4	73.7	7503.2	400.0	-25.3	-36.3	225.1	12.2	6.7	8.6	322.1	323.6	0.4	35.0	16.4	20.0
28.4	77.4	7984.0	375.0	-27.7	-40.0	231.2	11.0	6.6	6.9	325.0	325.6	0.2	15.5	17.5	22.0
30.9	81.2	8463.4	350.0	-29.5	-31.4	238.6	7.7	6.6	4.0	329.0	329.4	0.1	9.3	18.4	24.0
33.9	85.2	8934.1	325.0	-33.5	-55.5	237.6	5.9	5.0	3.1	330.6	330.8	0.1	6.8	19.0	25.0
36.2	89.3	9384.7	303.0	-38.2	-57.5	234.9	8.3	6.8	4.8	331.5	331.8	0.1	11.0	19.5	27.0
38.2	93.7	10137.1	275.0	-43.0	93.9	242.2	9.6	8.5	4.5	332.9	999.9	99.9	999.9	20.8	28.0
40.8	98.4	10772.7	250.0	-48.0	93.9	237.0	13.2	11.1	7.2	334.8	999.9	99.9	999.9	22.2	30.0
43.2	103.2	11461.1	225.0	-51.9	99.9	244.0	16.3	14.4	7.0	338.0	999.9	99.9	999.9	24.2	33.0
45.1	108.5	12219.3	200.0	-54.9	99.9	236.6	21.3	17.8	11.7	343.9	999.9	99.9	999.9	27.1	36.0
47.3	114.5	13067.2	175.0	-57.5	99.9	240.6	21.7	18.9	10.6	355.1	999.9	99.9	999.9	31.0	39.0
52.4	120.8	14034.1	150.0	-60.1	99.9	239.9	26.3	22.8	13.2	368.5	999.9	99.9	999.9	36.0	42.0
56.9	127.8	15109.4	125.0	-61.5	99.9	235.5	23.5	19.4	13.3	383.6	999.9	99.9	999.9	41.8	45.0
61.4	135.7	16335.8	100.0	-64.1	99.9	238.1	20.1	17.1	10.6	403.9	999.9	99.9	999.9	48.0	48.0
67.5	145.9	17811.4	75.0	-64.0	99.9	207.7	9.8	6.6	8.7	430.4	999.9	99.9	999.9	52.4	46.0
75.3	155.0	20780.6	50.0	-57.0	99.9	119.0	6.5	-5.7	3.1	504.2	999.9	99.9	999.9	54.2	44.0
84.0	165.3	25284.5	25.0	-47.0	99.9	997.9	99.9	99.9	99.9	649.8	999.9	99.9	999.9	999.9	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. 247  
LONGVIEW, TEXAS

9 MAY 1970														160 25.0	
TIME	CHCTY	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POS T	E POT T	HA RTO	RM	RANGE	AZ
MIN		GM	MB	CG C	DC C	DG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCY	KN	DEG
00	7-3	124.0	995.3	20.1	18.0	100.0	5.1	-3.0	0.0	299.7	330.7	13.2	01.0	0.0	0.0
01	09.0	99.0	1060.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
02	01.1	305.1	975.0	22.7	16.7	999.9	99.0	99.0	99.0	290.0	330.0	12.4	00.0	99.0	99.0
03	11.5	931.1	950.0	20.0	16.3	999.9	99.0	99.0	99.0	290.3	331.1	12.4	75.0	99.0	99.0
04	14.0	701.4	925.0	18.5	14.4	999.9	99.0	99.0	99.0	290.2	328.2	11.3	77.3	99.0	99.0
05	16.4	990.5	900.0	17.4	12.9	999.9	99.0	99.0	99.0	299.5	327.7	10.5	75.4	99.0	99.0
06	19.0	1237.5	875.0	16.3	5.1	999.9	99.0	99.0	99.0	302.4	320.4	0.3	41.0	99.0	99.0
07	21.5	1495.0	850.0	17.2	-3.0	999.9	99.0	99.0	99.0	300.2	316.9	3.7	25.4	99.0	190.0
08	24.0	1739.5	825.0	16.6	-4.6	999.9	99.0	99.0	99.0	300.2	315.9	3.3	22.9	99.0	99.0
09	26.6	2091.4	800.0	17.3	-15.1	999.9	99.0	99.0	99.0	309.6	316.4	1.5	10.1	1.0	3.0
10	29.2	2291.0	775.0	17.1	-20.4	180.1	0.0	0.0	0.0	312.2	314.4	1.0	0.2	2.1	5.0
11	31.8	2550.4	750.0	16.5	-21.0	153.2	5.2	-2.3	0.0	314.8	317.4	0.9	5.0	2.4	1.0
12	34.6	2937.4	725.0	15.3	-28.0	100.5	3.3	0.0	3.3	310.3	310.0	1.0	0.7	2.0	30.0
13	37.3	3133.0	700.0	12.0	-33.4	105.9	3.6	0.3	3.0	310.6	322.0	1.0	10.7	2.0	0.0
14	40.1	3436.2	675.0	9.6	-37.7	159.4	4.4	-1.6	4.1	310.6	322.7	2.0	17.7	3.0	30.0
15	42.9	3747.9	650.0	7.0	-46.6	195.7	5.9	1.4	5.7	310.9	322.9	1.9	19.7	3.3	35.0
16	45.0	4069.5	625.0	0.3	-48.5	245.9	11.0	10.0	4.8	317.6	322.2	1.0	10.9	3.0	0.0
17	48.7	4397.3	600.0	1.0	-22.9	237.9	9.0	0.1	5.1	318.3	321.0	0.0	13.8	0.1	10.0
18	51.7	4700.6	575.0	-1.0	-25.3	213.6	4.5	3.5	3.0	310.0	321.0	0.0	13.7	0.4	10.0
19	54.8	5093.2	550.0	-3.9	-27.5	230.4	4.8	3.7	3.1	310.5	321.0	0.0	13.0	0.7	21.0
20	57.9	5455.1	525.0	-7.0	-28.0	160.1	0.9	-2.4	0.5	320.0	322.2	0.7	15.0	5.0	20.0
21	01.1	5835.0	500.0	-10.9	-30.3	999.9	99.0	99.0	99.0	319.7	321.0	0.0	18.4	99.0	99.0
22	04.4	6227.6	475.0	-14.0	-30.5	999.9	99.0	99.0	99.0	320.7	322.0	0.0	23.0	99.0	99.0
23	07.4	6635.5	450.0	-17.5	-32.4	999.9	99.0	99.0	99.0	321.3	323.2	0.0	25.0	99.0	99.0
24	11.3	7069.4	425.0	-21.5	-33.5	999.9	99.0	99.0	99.0	321.4	323.3	0.0	32.7	99.0	99.0
25	14.9	7503.5	400.0	-25.7	-35.0	999.9	99.0	99.0	99.0	321.6	323.2	0.0	37.0	99.0	99.0
26	18.4	7970.4	375.0	-27.2	-36.3	999.9	99.0	99.0	99.0	323.7	320.2	0.2	16.2	16.5	27.0
27	21.9	8465.2	350.0	-29.7	-39.4	229.0	11.0	0.3	7.2	320.0	320.7	0.1	12.5	17.0	29.0
28	24.6	8909.5	325.0	-33.6	-42.4	232.4	9.0	7.1	5.5	330.3	330.7	0.1	13.0	18.0	30.0
29	27.3	9355.7	300.0	-38.4	-46.0	231.2	0.5	0.4	5.3	331.3	331.0	0.0	13.5	19.4	31.0
30	30.7	9837.7	275.0	-43.2	-49.0	230.9	11.3	0.7	7.1	332.6	99.0	99.0	99.0	20.5	32.0
31	33.0	10373.8	250.0	-47.0	-49.9	240.0	14.1	12.0	0.0	330.3	99.0	99.0	99.0	22.1	34.0
32	35.8	10952.2	225.0	-51.4	-49.0	239.0	18.4	15.3	9.1	339.7	99.0	99.0	99.0	24.0	37.0
33	38.2	11405.2	200.0	-55.2	-49.9	246.2	21.7	19.9	8.0	345.4	99.0	99.0	99.0	27.0	40.0
34	40.7	11823.3	175.0	-59.0	-49.9	239.4	21.0	18.1	10.7	354.2	99.0	99.0	99.0	30.1	42.0
35	43.4	13009.0	150.0	-58.7	-49.0	238.4	25.0	22.0	13.5	367.3	99.0	99.0	99.0	34.7	43.0
36	46.0	14037.5	125.0	-62.4	-49.0	233.2	22.7	18.2	13.0	382.0	99.0	99.0	99.0	40.1	40.0
37	48.9	15109.4	100.0	-63.0	-49.0	228.1	19.5	14.5	13.0	400.0	99.0	99.0	99.0	46.4	47.0
38	51.3	16308.5	100.0	-64.1	-49.0	189.2	11.5	1.0	11.4	438.0	99.0	99.0	99.0	50.5	40.0
39	53.7	16202.7	75.0	-64.1	-49.0	189.2	11.5	1.0	4.0	507.2	99.0	99.0	99.0	52.3	43.0
40	56.0	20787.4	50.0	-57.9	-49.0	126.1	0.7	-0.4	0.0	99.0	99.0	99.0	99.0	99.0	99.0
41	57.9	99.0	25.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

\* 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. 247  
LUNGVILLE, TEXAS

9 MAY 1979  
2000 GMT

102 10. 0

TIME	CHICIT	HFLIGHT	DMTS	TRMP	OLM HT	OLM	SPEED	U COMP	V COMP	POT T	E POT T	MR RTO	RM	RANGE	AZ
MM/YY		TIME	MS	D.C	D.C	DD	M/SEC	M/SEC	M/SEC	D.C	D.C	GM/SEC	PCT	MM	DC
00	7.5	124.3	193.2	24.4	14.1	153.0	5.1	-2.6	4.4	323.2	341.3	14.2	54.0	0.0	0.
01	92.9	172.0	172.0	20.9	92.9	151.5	6.4	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
02	4.1	204.5	472.0	20.5	17.2	151.5	6.4	-3.1	5.6	321.8	336.2	12.8	53.6	0.3	325.
03	11.5	517.1	472.0	21.4	15.4	151.7	6.2	-3.0	5.5	321.3	332.7	11.9	60.5	0.5	320.
04	11.9	282.7	672.0	21.5	14.2	145.1	6.0	-3.4	4.9	321.3	332.5	11.6	65.8	0.8	329.
05	15.3	487.3	972.0	14.3	14.9	145.1	6.3	-4.0	4.8	321.4	333.3	11.9	75.2	1.2	326.
06	18.7	122.4	872.0	15.9	14.5	153.5	6.0	-2.5	5.5	321.4	333.6	12.0	86.9	1.5	325.
07	21.2	147.4	472.0	16.7	13.7	153.1	7.6	0.4	7.6	321.6	333.1	11.7	91.6	1.9	329.
08	21.7	122.4	472.0	15.1	31.1	142.0	12.2	0.4	12.2	324.6	321.7	6.1	47.5	2.3	338.
09	25.2	147.4	772.0	15.4	-23.1	145.9	13.7	1.4	13.6	324.6	321.6	1.2	6.0	3.0	366.
10	28.9	274.1	772.0	17.1	-19.5	133.5	12.9	3.0	12.6	312.2	312.7	0.2	1.0	3.8	350.
11	31.3	274.1	772.0	15.7	-43.3	192.6	11.9	2.6	11.6	313.6	314.2	0.1	1.0	4.5	354.
12	34.3	274.1	772.0	14.9	-24.7	192.6	11.9	2.6	10.8	315.7	314.1	0.7	4.9	5.1	358.
13	37.7	311.7	772.0	12.6	-14.1	198.4	10.4	3.3	9.9	316.5	320.7	1.3	19.6	5.7	358.
14	38.6	311.7	772.0	13.2	-24.2	207.9	11.2	5.3	9.9	317.5	320.3	1.0	6.9	6.3	1.
15	41.9	371.1	472.0	7.7	-15.1	213.9	12.0	6.7	10.3	317.6	322.4	1.6	18.0	6.9	4.
16	44.1	471.1	272.0	4.8	-14.3	216.4	12.3	7.3	9.9	318.0	324.1	1.9	32.4	7.6	7.
17	44.1	471.1	272.0	1.7	-14.3	216.3	12.3	7.3	9.9	318.1	324.9	2.1	22.2	8.7	10.
18	47.1	471.1	272.0	3.4	-24.7	212.2	12.3	6.2	10.6	319.9	327.0	0.9	14.3	9.9	12.
19	48.7	471.1	272.0	3.4	-37.4	212.2	11.4	5.9	10.2	319.5	321.5	0.5	12.5	9.9	13.
20	51.1	487.3	272.0	7.2	-34.5	214.9	12.7	7.0	10.6	323.0	321.4	0.4	8.9	10.6	16.
21	6.1	517.1	272.0	10.5	-34.5	214.9	13.4	7.5	11.1	323.3	321.7	0.4	11.5	11.5	16.
22	6.5	517.1	472.0	14.1	-31.4	234.5	17.7	8.4	14.4	320.6	322.2	0.5	17.1	12.6	18.
23	7.3	517.1	472.0	17.6	-31.4	234.5	17.7	8.4	17.5	321.2	322.9	0.5	23.6	14.2	18.
24	7.3	517.1	472.0	17.6	-17.6	235.1	19.3	8.2	15.2	323.3	323.8	0.1	7.6	15.8	19.
25	7.3	517.1	472.0	23.1	-47.7	218.7	19.5	13.5	15.2	323.3	323.8	0.0	2.3	17.2	21.
26	7.3	517.1	472.0	22.1	-57.4	228.6	15.4	11.5	10.2	326.3	324.4	0.0	2.1	19.3	24.
27	7.3	517.1	472.0	20.5	-52.7	234.2	12.4	10.7	7.2	327.9	324.0	0.0	2.8	19.1	25.
28	7.3	517.1	472.0	23.1	-61.2	243.4	6.2	7.1	4.0	329.3	329.4	0.0	3.8	19.8	27.
29	7.3	517.1	472.0	33.3	-61.9	242.4	7.4	6.6	3.5	330.7	333.4	0.0	6.4	20.4	28.
30	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	2.2	331.9	331.9	0.0	6.4	20.4	28.
31	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	3.0	332.9	331.9	99.9	999.9	21.1	30.
32	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	2.6	335.7	999.9	99.9	999.9	22.3	32.
33	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	7.4	319.6	999.9	99.9	999.9	23.4	34.
34	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	9.1	344.4	999.9	99.9	999.9	24.0	37.
35	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	11.3	348.0	999.9	99.9	999.9	24.5	40.
36	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	10.9	381.9	999.9	99.9	999.9	24.5	40.
37	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	14.8	381.9	999.9	99.9	999.9	24.5	40.
38	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	13.1	402.3	999.9	99.9	999.9	24.5	40.
39	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	12.2	436.2	999.9	99.9	999.9	24.5	40.
40	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	5.2	502.3	999.9	99.9	999.9	24.5	40.
41	7.3	517.1	472.0	33.3	-64.3	252.1	7.2	6.6	-0.9	866.0	999.9	99.9	999.9	24.5	40.

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

STATION NO. 807  
LAWRENCE, TEXAS

0 MAY 1970  
0200 GMT

TIME MIN	CHCY	WEIGHT GMS	PHES MB	TEMP °C	DEW PT °C	DIR °E	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF Y DG E	E POF Y DG E	SL RTE CM/SEC	RM PCT	RANGE KM	AZ DG
00	11.0	120.0	002.0	27.0	20.4	100.0	5.1	-0.0	2.3	201.7	242.0	15.4	00.0	0.0	0
00.0	09.0	090.0	1000.0	09.0	09.0	09.0	09.0	09.0	09.0	09.0	090.0	09.0	090.0	090.0	090.0
04.0	12.0	277.3	078.0	23.0	19.1	129.0	4.0	-0.0	2.7	201.1	239.0	15.0	00.0	0.1	200.
1.0	13.3	309.0	090.0	23.0	19.7	129.0	5.0	-0.0	3.0	201.3	239.0	15.0	73.3	0.0	200.
1.0	17.0	730.0	029.0	21.5	18.0	133.3	0.0	-0.1	0.0	201.3	239.0	10.2	00.0	0.7	210.
2.0	20.0	070.7	000.0	20.3	15.0	130.2	7.3	-0.7	0.0	202.0	237.0	12.2	70.0	0.0	210.
3.0	22.0	120.1	073.0	18.0	10.2	107.0	0.0	-0.0	0.0	202.0	230.0	12.0	00.0	1.0	220.
0.0	25.0	100.0	000.0	16.0	13.1	100.4	10.0	0.1	10.0	202.0	230.0	12.0	00.0	1.0	220.
0.0	27.0	172.7	029.0	16.0	13.3	103.0	10.0	2.3	10.3	202.0	230.0	11.0	00.0	1.0	220.
0.0	30.0	1002.0	000.0	11.0	11.4	100.0	9.0	-0.0	9.0	203.0	233.0	10.7	00.0	1.0	220.
7.0	32.0	230.0	078.0	17.5	-39.2	190.0	11.0	3.3	11.4	203.0	233.0	0.2	1.0	3.7	202.
9.0	35.0	250.0	078.0	16.0	-39.0	190.0	12.0	2.0	12.0	203.0	233.0	0.2	1.0	4.0	200.
10.0	37.0	200.0	078.0	16.0	-40.0	191.0	12.0	0.0	12.0	203.0	233.0	0.2	1.0	4.0	200.
11.0	40.0	311.0	078.0	13.0	-41.0	192.0	13.0	3.0	12.7	203.0	233.0	0.1	1.0	5.2	200.
12.0	43.0	300.0	078.0	11.0	-42.0	200.0	12.0	0.0	11.0	203.0	233.0	0.1	1.0	0.0	0
13.0	46.0	320.0	050.0	8.0	-40.0	203.0	12.0	0.0	11.0	203.0	233.0	0.1	1.0	0.0	0
14.0	49.0	090.0	090.0	5.0	-30.2	207.0	11.0	0.0	10.0	203.0	233.0	0.2	2.0	7.7	200.
15.0	51.0	030.0	000.0	2.0	-11.0	200.0	11.0	0.0	10.0	203.0	233.0	0.2	2.0	6.5	200.
17.0	50.0	070.0	078.0	-0.0	-30.2	210.0	10.0	7.0	10.1	203.0	233.0	0.1	1.0	0.0	0
18.0	57.0	070.0	050.0	-3.0	-30.2	210.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
19.0	60.0	040.0	050.0	-7.0	-30.0	210.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
21.0	63.0	080.0	050.0	-10.0	-30.0	210.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
22.0	67.0	021.0	078.0	-10.0	-07.0	215.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
24.0	70.0	061.0	050.0	-10.0	-07.0	217.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
26.0	74.0	040.0	029.0	-10.0	-02.0	220.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
27.0	77.0	040.0	000.0	-21.0	-02.0	220.0	10.0	0.0	10.0	203.0	233.0	0.1	1.0	0.0	0
29.0	81.0	090.0	078.0	-25.0	-00.0	227.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
31.0	85.0	001.0	029.0	-29.0	-00.0	227.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
33.0	88.0	090.0	050.0	-33.0	-71.0	200.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
35.0	93.0	090.0	000.0	-38.0	-70.0	200.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
37.0	97.0	101.0	078.0	-02.0	99.0	270.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
39.0	102.0	107.0	029.0	-07.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
42.0	107.0	110.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
45.0	112.0	110.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
48.0	117.0	130.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
52.0	124.0	100.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
56.0	131.0	150.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
61.0	139.0	160.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
67.0	149.0	180.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
74.0	154.0	200.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0
80.0	170.0	250.0	029.0	-02.0	99.0	260.0	0.0	0.0	0.0	203.0	233.0	0.0	1.0	0.0	0

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

STATION NO. 247  
LONGVIEW, TEXAS

10 MAY 1973  
205 GMT

161 16.0 0

TIME ML	CHUTE	HITLIT SUM	PHES WB	TEMP DA C	DEW PT DG C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT F DG K	E PUT T DG K	MR RTD GM/KG	RM PCT	RANGE KM	AZ DG
302	7.5	126.3	942.4	25.0	20.3	123.3	3.6	-3.1	1.8	298.8	339.0	15.3	75.2	0.0	0.
303	9.7	127.0	1223.0	24.9	19.7	123.3	99.9	99.9	99.9	30.9	999.9	99.9	999.9	999.9	999.9
304	2.3	24.3	973.0	25.7	19.7	952.9	99.9	99.9	99.9	331.0	363.8	15.0	63.5	999.9	999.9
305	11.4	52.4	452.0	24.3	19.6	474.9	99.9	99.9	99.9	331.9	367.3	14.4	73.5	999.9	999.9
306	11.8	84.7	425.0	22.2	17.4	993.9	99.9	99.9	99.9	332.0	339.7	13.7	76.5	999.9	999.9
307	17.2	94.9	433.0	23.5	16.5	942.4	99.9	99.9	99.9	332.6	339.3	13.3	78.0	999.9	999.9
308	14.5	122.8	475.0	19.2	16.4	156.5	12.4	-5.1	11.7	332.7	339.1	13.5	84.8	3.1	339.
309	21.1	167.3	453.0	16.4	14.7	152.6	12.4	-4.3	11.6	333.3	337.2	12.5	89.9	3.8	339.
310	21.4	172.4	425.0	13.9	13.1	161.5	12.2	-3.9	11.5	333.3	336.8	11.6	95.0	4.5	339.
311	24.1	166.1	433.0	12.1	9.2	177.2	12.3	-0.6	12.3	334.1	330.2	9.5	87.4	5.3	340.
312	24.9	225.5	775.0	18.3	-10.3	194.8	13.9	3.6	13.4	314.2	314.9	0.2	1.0	6.0	344.
313	31.4	233.3	752.0	17.2	-11.6	194.8	16.0	2.7	13.7	315.2	315.9	0.2	1.0	6.9	348.
314	36.1	242.6	725.0	15.2	-10.5	191.3	16.2	3.2	13.9	315.2	316.7	0.1	1.0	7.8	351.
315	36.7	311.4	733.0	13.3	-11.7	194.9	15.5	5.0	14.6	317.3	317.9	0.1	1.0	8.6	353.
316	44.4	342.4	675.0	13.7	-13.3	196.9	15.3	4.4	14.6	317.7	319.1	0.1	1.0	9.5	356.
317	4.2	375.1	633.0	9.4	-14.4	193.3	13.3	4.4	14.6	318.5	318.9	0.1	1.0	10.3	357.
318	4.7	431.7	623.0	6.4	-16.3	213.1	12.6	6.9	14.6	319.4	323.1	0.1	1.0	11.1	359.
319	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
320	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
321	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
322	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
323	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
324	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
325	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
326	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
327	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
328	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
329	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
330	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
331	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
332	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
333	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
334	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
335	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
336	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
337	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
338	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
339	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
340	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
341	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
342	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
343	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
344	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
345	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
346	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
347	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
348	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
349	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
350	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
351	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
352	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
353	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
354	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
355	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
356	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
357	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
358	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
359	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
360	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
361	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
362	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
363	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
364	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
365	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
366	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
367	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
368	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
369	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
370	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
371	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
372	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
373	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
374	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
375	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
376	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
377	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
378	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
379	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
380	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
381	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
382	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
383	4.7	431.7	623.0	3.5	-17.4	222.5	13.4	9.1	9.9	320.1	320.4	0.1	1.0	11.7	2.
384	4.7	431.7	623.0	3.5	-17.										

STATION NO. 247  
LONGVIEW, TEXAS

10 MAY 1979  
505 GMT

TIME M/H	CHTCY	HEIGHT GPH	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 RFD M/MS	RM PCT	RANGE NM	AZ DG
00.0	7.5	124.0	992.0	25.0	20.3	130.0	5.1	-3.9	3.3	296.0	338.7	15.3	75.0	0.0	0.
00.9	99.9	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.
01.7	9.2	252.0	775.0	23.2	18.9	168.9	13.1	-0.3	12.0	298.0	335.2	14.3	76.1	0.3	340.
1.4	11.0	509.9	990.0	21.3	18.7	146.5	10.9	-0.8	13.7	299.0	337.2	14.5	81.0	1.0	341.
2.0	14.0	701.5	925.0	20.9	15.0	152.7	16.1	-0.9	14.6	300.1	333.9	12.4	72.6	2.1	337.
3.7	16.0	879.3	925.0	21.0	2.4	168.9	14.4	-2.0	14.1	303.1	330.4	10.1	37.9	3.0	338.
4.4	10.0	1279.1	875.0	19.6	15.1	185.2	15.3	1.4	13.2	304.1	336.8	13.9	75.0	3.0	342.
5.7	21.3	1072.0	850.0	17.9	14.2	191.4	16.1	3.2	15.2	304.9	337.9	12.1	90.4	4.0	348.
7.0	13.0	1729.0	825.0	15.3	13.8	195.0	15.5	2.2	15.0	304.0	337.9	12.1	90.4	6.0	353.
8.7	26.0	1998.7	800.0	13.1	12.5	177.1	15.2	4.5	14.3	305.1	336.4	11.5	90.8	6.0	357.
9.4	29.9	2246.4	775.0	17.0	-33.7	150.4	19.5	9.6	10.0	313.0	318.1	11.2	100.4	8.1	360.
10.7	31.0	2536.1	750.0	16.9	-39.3	195.0	18.1	4.7	17.3	318.9	315.9	0.2	1.0	9.3	2.
12.0	30.2	2422.2	725.0	15.1	-30.6	192.5	18.7	6.3	17.1	318.1	318.0	0.1	1.0	10.9	0.
13.2	36.9	3116.4	700.0	12.9	-22.9	203.9	17.6	7.0	15.5	316.8	317.2	0.1	1.0	12.2	0.
14.4	31.4	3022.2	675.0	18.9	-0.3	201.3	16.9	6.1	15.7	317.0	318.3	0.1	1.0	13.5	0.
15.9	42.3	3734.9	650.0	8.4	-60.8	201.7	14.9	6.7	15.7	318.5	318.9	0.1	1.0	14.9	0.
17.4	45.2	4036.4	625.0	5.3	-60.7	200.5	15.2	6.6	13.0	318.5	319.0	0.1	1.0	16.9	0.
18.9	44.0	4357.5	600.0	2.3	-60.5	210.3	13.7	6.9	11.8	318.0	319.1	0.1	1.0	18.2	10.
20.2	51.9	4729.2	575.0	-0.6	-50.3	210.3	12.9	7.3	10.0	318.7	319.5	0.1	1.0	19.5	13.
22.1	56.0	5031.4	550.0	-3.9	-57.4	213.3	15.4	0.5	12.7	319.3	319.7	0.1	1.0	19.9	14.
23.7	57.0	5463.3	525.0	-7.3	-54.6	220.1	16.5	9.3	11.1	319.6	319.0	0.1	1.0	21.3	10.
25.4	40.3	5823.5	500.0	-11.3	-53.3	220.2	16.2	10.9	10.9	315.1	319.0	0.1	2.4	22.5	17.
27.2	63.0	6216.2	475.0	-15.0	-50.6	213.7	14.3	0.0	11.0	319.4	320.2	0.2	9.2	24.9	19.
28.1	65.0	6670.7	450.0	-17.2	-60.0	221.6	13.0	0.7	9.0	321.1	321.7	0.2	1.0	25.3	15.
33.9	70.1	7049.3	425.0	-18.1	-34.0	237.0	0.4	6.2	1.3	329.8	325.0	0.0	1.0	26.3	21.
34.6	77.3	7372.1	400.0	-20.6	-63.1	271.5	3.5	3.3	-0.1	326.2	328.3	0.0	1.0	26.6	22.
36.7	81.1	8470.7	375.0	-23.7	-65.7	277.2	3.4	3.0	-0.9	329.0	329.0	0.0	1.0	26.7	23.
38.7	85.0	8985.6	325.0	-28.0	-66.6	253.2	3.7	3.0	1.1	329.5	330.5	0.0	1.0	26.9	23.
43.0	84.0	9552.4	300.0	-33.9	-71.5	232.2	5.3	5.0	1.0	330.3	330.5	0.0	1.0	27.4	24.
43.7	83.3	10166.3	275.0	-42.3	94.0	266.0	6.3	4.2	0.2	332.1	332.1	0.0	1.0	27.7	25.
45.8	87.0	10782.4	250.0	-43.0	94.0	281.1	5.8	3.7	-1.2	333.7	333.7	0.0	999.0	27.9	27.
47.3	102.6	11009.7	225.0	-53.2	97.0	242.2	10.4	10.3	-1.6	335.7	335.7	0.0	999.0	28.3	29.
50.4	107.0	12218.3	200.0	-57.2	99.0	260.0	11.6	11.2	2.0	337.0	337.0	0.0	999.0	28.9	32.
53.9	113.3	13094.5	175.0	-59.6	99.0	270.0	15.7	15.3	2.8	341.2	339.8	0.0	999.0	30.0	30.
56.9	118.3	14015.5	150.0	-60.7	99.2	253.7	20.0	23.0	3.8	351.3	349.0	0.0	999.0	31.7	37.
60.0	120.0	15101.0	125.0	-64.0	99.0	238.0	28.0	28.0	5.8	365.3	349.0	0.0	999.0	33.3	42.
65.1	133.3	16095.0	100.0	-67.4	99.0	225.0	31.3	35.8	11.9	397.9	349.0	0.0	999.0	40.0	46.
70.5	122.0	17221.9	75.0	-65.3	99.9	157.0	11.8	2.9	11.2	430.7	349.0	0.0	999.0	41.6	46.
76.9	151.5	20750.5	50.0	-60.1	99.0	120.0	0.3	-7.0	0.1	501.2	349.0	0.0	999.0	43.6	42.
82.4	152.0	25165.2	25.0	-77.2	98.9	52.0	0.8	-8.0	0.1	649.3	349.0	0.0	999.0	45.1	36.

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



STATION NO. 247  
LONGVIEW, TEXAS

10 MAY 1979  
RUS GMT

134 20. 0

TIME MIN	CNTCT	WGT SUM	PRES MB	TEMP DU C	DEP HT DGC	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT F DGR	E POT T C/K	MR RTO GM/KG	RM PCY	RANGE KM	AZ DG
00.0	7.1	125.3	922.9	21.6	20.7	162.0	6.2	-6.0	9.7	297.6	339.7	15.7	83.0	0.0	0.
00.5	9.0	99.4	1003.0	94.9	93.0	90.9	99.9	99.9	99.9	97.9	999.9	99.9	999.9	999.9	999.
01.0	9.3	242.3	975.0	22.3	22.2	149.9	12.0	-6.5	11.2	297.6	339.1	15.5	87.8	0.3	346.
01.5	11.1	507.7	933.0	20.8	19.9	163.7	16.8	-5.5	15.8	298.3	339.0	15.6	94.4	1.1	339.
02.0	13.0	747.0	925.0	20.9	15.3	167.9	18.9	-4.0	18.4	300.4	332.2	11.9	72.9	2.0	362.
02.5	15.2	972.4	933.0	21.0	17.4	176.0	20.1	-0.7	20.1	333.2	341.0	14.1	75.7	3.0	365.
03.0	17.1	1271.1	925.0	14.3	16.5	187.2	19.1	2.4	18.9	303.8	340.9	13.7	86.5	4.0	353.
03.5	18.9	1671.5	875.0	14.3	13.4	193.3	17.7	6.1	17.2	325.3	337.0	11.6	73.9	5.0	356.
04.0	20.7	2122.3	925.0	15.9	13.3	196.6	16.2	5.4	18.5	303.4	337.5	11.7	84.5	5.0	357.
04.5	22.5	2573.5	925.0	13.8	9.1	205.8	18.3	4.0	16.5	333.8	373.7	8.6	69.1	7.0	1.
05.0	24.1	3024.7	925.0	18.0	-18.9	211.1	16.5	8.5	14.1	313.1	313.7	0.2	1.0	8.0	7.
05.5	25.7	3475.9	750.0	16.9	-19.6	209.0	16.0	7.7	14.0	319.9	315.5	0.2	1.0	9.7	9.
06.0	27.3	3927.1	725.0	14.7	-20.9	203.6	15.8	6.3	14.5	316.2	316.2	0.1	1.0	10.7	10.
06.5	28.9	4378.3	725.0	12.9	-27.3	201.5	15.8	5.8	14.7	316.0	317.2	0.1	1.0	11.7	11.
07.0	30.5	4829.5	725.0	12.9	-27.3	206.0	15.5	6.3	14.1	317.9	319.3	0.1	1.0	12.7	13.
07.5	32.1	5280.7	725.0	7.9	-25.1	213.0	16.4	6.2	14.2	318.3	320.4	0.1	1.0	13.6	14.
08.0	33.7	5731.9	725.0	5.6	-31.5	233.7	17.0	6.4	14.9	318.3	320.4	0.4	4.8	14.9	15.
08.5	35.3	6183.1	625.0	2.5	-40.3	239.7	17.6	6.7	15.3	319.3	319.7	0.2	2.5	16.1	16.
09.0	36.9	6634.3	575.0	-0.8	-36.5	209.7	19.9	9.4	16.4	319.1	320.2	0.3	4.7	16.1	16.
09.5	38.5	7085.5	525.0	-4.0	-32.5	212.1	19.8	10.9	15.9	319.3	319.5	0.1	1.0	17.4	17.
10.0	40.1	7536.7	525.0	-7.7	-28.5	215.0	16.7	9.6	13.7	319.2	320.0	0.2	5.4	18.5	19.
10.5	41.7	7987.9	525.0	-11.2	-33.6	212.7	16.8	9.1	14.1	318.4	320.9	0.4	13.8	19.7	19.
11.0	43.3	8439.1	475.0	-15.4	-27.6	212.0	16.0	8.5	13.5	318.9	321.7	0.8	34.2	20.9	20.
11.5	44.9	8890.3	425.0	-19.2	-20.2	222.7	12.2	4.2	8.9	322.9	323.0	0.0	1.0	22.0	21.
12.0	46.5	9341.5	375.0	-17.6	-61.1	255.4	4.3	4.1	1.1	326.5	326.5	0.0	1.0	22.6	22.
12.5	48.1	9792.7	325.0	-20.8	-63.2	250.0	1.8	1.7	0.6	327.9	329.0	0.0	1.0	22.9	22.
13.0	49.7	10243.9	275.0	-24.6	-65.4	251.6	2.7	2.6	0.9	329.1	329.2	0.0	1.0	24.8	23.
13.5	51.3	10695.1	225.0	-28.9	-68.3	243.5	5.7	5.1	2.5	330.2	330.2	0.0	1.0	27.1	23.
14.0	52.9	11146.3	175.0	-32.9	-71.1	268.8	7.1	7.1	0.2	331.4	331.4	0.0	1.0	27.6	25.
14.5	54.5	11597.5	125.0	-37.1	-73.3	279.6	8.2	6.1	-1.4	333.1	333.1	0.0	1.0	23.9	27.
15.0	56.1	12048.7	75.0	-42.4	-99.9	274.1	6.7	6.7	-0.5	333.8	999.9	99.9	999.9	26.2	29.
15.5	57.7	12499.9	25.0	-47.5	-99.9	276.7	7.7	7.7	-0.9	335.5	999.9	99.9	999.9	24.6	31.
16.0	59.3	12951.1	25.0	-52.8	-99.9	275.3	11.4	11.3	-1.3	337.9	999.9	99.9	999.9	25.3	34.
16.5	60.9	13402.3	20.0	-57.6	-99.9	273.2	13.5	13.5	-0.7	331.2	999.9	99.9	999.9	26.4	38.
17.0	62.5	13853.5	175.0	-61.3	-99.9	266.4	15.5	15.4	1.0	368.8	999.9	99.9	999.9	28.0	42.
17.5	64.1	14304.7	150.0	-62.4	-99.9	251.6	21.6	20.5	6.8	367.6	999.9	99.9	999.9	31.3	46.
18.0	65.7	14755.9	125.0	-65.2	-99.9	240.2	25.0	21.7	12.4	376.9	999.9	99.9	999.9	37.0	50.
18.5	67.3	15207.1	100.0	-68.1	-99.9	224.9	23.0	18.3	16.3	394.1	999.9	99.9	999.9	44.5	50.
19.0	68.9	15658.3	75.0	-68.1	-99.9	186.5	12.5	1.4	12.4	438.1	999.9	99.9	999.9	50.5	49.
19.5	70.5	16109.5	50.0	-61.6	-99.9	119.2	6.8	-5.2	2.9	498.4	999.9	99.9	999.9	51.2	46.
20.0	72.1	16560.7	25.0	-68.0	-99.9	48.8	9.3	-7.8	-0.1	668.6	999.9	99.9	999.9	47.1	44.

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

STATION NO. 207  
LONGVIEW, TEXAS

10 MAY 1979  
1100 GMT

100 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PHES 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 Y DG K	WIND CM/KG	RM PCT	RANGE SM	AZ DG
00	7-0	124-0	933-7	23-3	21-4	150-0	4-1	-2-1	3-6	297-0	339-6	10-4	89-0	0-0	0-
00-9	90-9	89-0	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
01-7	9-4	289-9	975-0	21-4	20-7	171-6	10-4	-1-6	10-7	296-7	338-2	10-0	95-0	0-3	367-
1-4	11-9	315-2	950-0	19-6	19-1	176-0	13-8	-8-0	13-7	297-1	335-9	10-0	97-2	0-9	352-
2-4	14-2	745-3	925-0	18-3	17-8	180-0	16-1	0-0	16-1	298-0	334-9	10-0	97-1	1-7	355-
3-2	14-5	900-5	900-0	17-0	16-3	188-3	18-0	2-6	17-8	299-0	333-8	10-0	95-5	2-0	357-
4-1	19-0	1222-3	875-0	19-3	11-6	200-2	20-6	7-1	19-3	303-0	330-9	9-9	61-1	3-0	3-
5-1	21-5	1471-8	850-0	18-0	12-9	206-1	20-6	9-0	18-3	305-0	335-4	11-1	72-1	4-0	8-
6-3	23-9	1727-0	825-0	15-6	12-4	211-1	20-8	10-8	17-9	308-1	335-4	11-1	81-3	6-2	13-
7-5	24-5	1989-2	800-0	13-2	12-4	213-0	19-2	10-4	16-1	305-2	336-5	11-4	95-3	7-6	17-
8-7	29-0	2254-7	775-0	11-1	9-1	216-0	19-3	10-9	15-9	305-8	331-9	9-4	87-1	8-9	19-
9-0	31-0	2530-5	750-0	10-3	-01-2	223-0	17-7	12-1	13-0	312-0	313-5	0-1	1-0	9-8	21-
10-6	34-2	2815-0	725-0	12-4	-02-3	227-8	15-4	11-4	10-3	313-0	313-5	0-1	1-0	10-9	23-
11-7	36-9	3107-8	700-0	11-2	-03-1	226-4	14-8	10-7	10-2	315-9	315-3	0-1	1-0	11-7	25-
12-9	39-7	3409-4	675-0	8-6	-04-7	224-1	15-3	10-7	11-0	315-3	315-0	0-1	1-0	12-7	27-
14-1	42-6	3719-4	650-0	5-9	-06-3	217-6	16-0	9-7	12-6	315-6	316-0	0-1	1-0	13-8	28-
15-5	45-3	4034-3	625-0	2-9	-08-2	210-1	17-0	6-5	14-7	315-8	316-1	0-1	1-0	15-1	29-
16-7	49-1	4366-9	600-0	0-5	-09-7	206-5	16-6	7-4	14-8	316-7	316-9	0-1	1-0	16-4	29-
18-0	51-1	4706-1	575-0	-2-7	-11-7	210-0	16-6	6-3	14-1	316-8	317-0	0-1	1-0	17-6	28-
19-3	54-0	5056-2	550-0	-5-0	-12-6	209-9	17-3	6-0	15-0	317-1	317-3	0-1	1-1	18-9	29-
20-5	57-1	5418-4	525-0	-8-1	-14-6	203-5	17-0	6-8	15-6	317-5	317-8	0-1	2-4	20-2	29-
21-7	60-3	5793-3	500-0	-12-5	-16-9	200-3	16-6	6-8	15-1	317-8	318-0	0-3	8-0	21-4	28-
23-1	63-5	6192-7	475-0	-15-1	-19-5	212-3	14-9	8-0	12-6	319-3	319-4	0-0	1-0	22-7	28-
24-6	66-9	65-1	450-0	-17-7	-21-1	218-8	11-1	6-9	8-6	321-0	321-1	0-0	1-0	24-8	29-
26-2	70-2	70-8	425-0	-18-5	-21-7	226-0	7-0	5-1	4-8	325-2	325-3	0-0	1-0	26-8	29-
27-8	73-9	746-4	400-0	-21-9	-23-0	218-0	5-0	3-1	4-0	327-1	327-1	0-0	1-0	25-3	29-
29-4	77-4	7934-4	375-0	-25-5	-26-1	211-1	5-4	2-9	4-8	327-9	327-9	0-0	1-0	25-8	29-
31-2	81-2	8424-6	350-0	-29-5	-28-9	207-3	6-7	3-1	6-0	329-0	329-0	0-0	1-0	26-4	29-
33-4	85-2	8959-0	325-0	-33-9	-31-7	210-8	5-1	2-6	6-4	330-0	330-1	0-0	1-0	27-1	30-
37-4	89-3	9515-5	300-0	-37-7	-34-3	221-2	4-1	2-7	3-1	332-2	332-2	0-0	1-0	27-7	30-
40-0	93-7	10109-9	275-0	-42-3	-39-9	223-1	5-6	3-8	4-1	336-0	336-0	99-9	99-9	28-3	30-
42-6	101-2	10747-5	250-0	-47-3	-45-9	244-5	5-4	4-0	2-3	335-8	335-8	99-9	99-9	29-1	30-
45-4	104-0	11416-5	225-0	-52-4	-50-4	266-8	6-4	6-4	0-1	338-3	338-3	99-9	99-9	29-6	31-
48-7	113-8	13297-1	175-0	-56-4	-54-6	268-0	8-3	6-3	0-5	343-4	343-4	99-9	99-9	30-4	34-
52-1	119-3	15106-8	150-0	-62-1	-59-9	256-0	22-4	21-7	3-2	349-6	349-6	99-9	99-9	31-7	34-
56-1	126-3	15106-2	125-0	-65-4	-62-1	246-9	23-6	21-7	5-4	363-1	363-1	99-9	99-9	35-0	41-
60-8	133-7	16455-0	100-0	-68-1	-65-4	228-2	22-6	16-7	9-2	370-6	370-6	99-9	99-9	40-0	43-
66-4	142-0	18197-1	75-0	-64-2	-60-9	202-1	11-5	4-3	10-7	430-3	430-3	99-9	99-9	46-3	47-
74-3	151-7	20691-5	50-0	-61-8	-59-9	126-9	6-0	-0-8	3-5	490-8	490-8	99-9	99-9	52-5	44-
86-1	181-5	25137-7	25-0	-69-8	-69-9	42-8	7-7	-5-1	-5-7	641-6	641-6	99-9	99-9	69-3	42-

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

STATION NO. 255  
VICTORIA, TEXAS

9 MAY 1979  
1105 GMT

105 15. 0

TIME MPL	CNTCT	HEIGHT SQM	PRES MB	TEMP DS C	DEW PT DS C	DIR DG	SPEED M/SEC	J COMP M/SEC	V COMP M/SEC	POT T JG K	E POT T DG K	WX PTC GM/PG	RM PCT	RANGE KM	AZ DG
000	000	3300	1031.0	22.2	21.3	150.3	7.2	-3.6	6.2	225.2	330.3	15.9	93.0	0.0	0.
005	005	4500	1033.0	27.2	20.4	137.3	12.7	-8.6	9.3	235.4	335.0	15.3	89.6	0.3	310.
010	010	2650	975.0	21.8	22.4	141.2	13.9	-9.7	10.9	237.1	336.0	15.7	91.9	0.6	317.
015	015	9720	975.0	21.5	19.1	152.1	15.4	-7.2	13.6	239.0	336.9	14.8	91.7	1.3	322.
020	020	7230	925.0	20.2	18.6	168.2	13.9	-2.9	13.6	300.0	339.1	14.8	90.6	2.1	327.
025	025	4500	925.0	20.0	15.4	180.0	16.6	0.0	14.6	312.1	339.3	12.7	77.0	2.7	335.
030	030	12310	975.0	17.0	14.7	180.0	15.0	1.3	14.2	312.4	339.0	12.1	81.5	3.5	341.
035	035	18510	870.0	15.4	13.7	190.5	15.1	1.7	15.9	322.3	339.0	11.7	80.5	4.2	346.
040	040	17340	920.0	13.3	13.9	192.9	14.9	0.2	14.9	322.7	337.1	2.3	19.1	4.9	349.
045	045	17670	870.0	21.1	-37.1	187.0	12.1	1.6	12.0	313.6	318.3	0.2	1.0	5.7	350.
050	050	21000	775.0	20.5	-37.4	203.2	11.7	4.6	10.7	315.6	316.5	0.2	1.0	6.3	353.
055	055	27700	753.0	16.8	-34.4	208.5	12.1	5.8	10.7	317.0	317.6	0.2	1.0	7.0	357.
060	060	27700	725.0	16.5	-34.8	208.0	12.9	5.5	11.7	317.5	318.1	0.2	1.0	7.6	362.
065	065	28110	730.0	13.4	-41.4	190.9	13.9	4.7	13.1	317.9	318.4	0.1	1.0	8.5	36.
070	070	31370	675.0	10.9	-43.3	203.4	12.6	5.0	11.5	317.8	318.3	0.1	1.0	9.3	4.
075	075	36110	625.0	9.1	-45.1	207.3	11.7	5.4	10.4	319.1	319.5	0.1	1.0	10.2	8.
080	080	41000	625.0	5.3	-46.7	206.9	11.2	5.1	10.0	319.5	319.8	0.1	1.0	10.9	7.
085	085	47700	625.0	2.4	-44.5	212.9	9.1	4.9	7.6	319.9	319.2	0.1	1.0	11.6	8.
090	090	47700	625.0	3.0	-49.9	218.1	9.3	5.7	7.3	320.3	320.3	0.1	1.0	12.7	10.
095	095	47700	625.0	3.0	-49.9	218.1	9.3	5.7	7.3	320.3	320.3	0.1	1.0	12.7	10.
100	100	47700	625.0	-3.1	-51.9	222.1	10.3	6.9	7.6	320.6	320.6	0.1	1.0	12.8	11.
105	105	53370	525.0	-5.6	-54.1	221.6	11.2	7.4	8.4	320.4	320.6	0.0	1.0	13.4	11.
110	110	53370	525.0	-13.4	-56.5	223.7	11.6	8.0	8.4	320.4	320.6	0.0	1.0	14.1	15.
115	115	53370	525.0	-14.3	-56.5	223.7	11.4	8.2	7.9	320.3	321.7	0.1	4.8	15.0	17.
120	120	53370	475.0	-18.2	-62.9	230.3	11.4	8.8	7.3	320.4	321.3	0.2	11.6	15.9	18.
125	125	53370	475.0	-18.2	-62.9	230.3	11.4	8.8	7.3	320.4	321.3	0.2	11.6	15.9	18.
130	130	73300	475.0	-20.9	-65.3	232.4	9.0	7.1	5.4	322.2	322.2	0.0	1.0	17.2	20.
135	135	73300	475.0	-20.9	-65.4	232.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
140	140	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
145	145	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
150	150	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
155	155	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
160	160	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
165	165	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
170	170	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
175	175	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
180	180	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
185	185	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
190	190	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
195	195	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
200	200	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
205	205	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
210	210	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
215	215	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
220	220	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
225	225	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
230	230	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
235	235	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
240	240	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
245	245	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
250	250	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
255	255	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
260	260	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
265	265	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
270	270	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
275	275	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
280	280	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
285	285	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
290	290	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
295	295	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
300	300	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
305	305	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
310	310	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
315	315	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
320	320	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
325	325	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
330	330	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
335	335	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
340	340	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
345	345	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
350	350	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
355	355	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
360	360	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
365	365	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
370	370	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
375	375	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
380	380	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
385	385	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
390	390	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
395	395	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
400	400	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.0	17.2	21.
405	405	73300	475.0	-24.3	-65.4	227.5	10.1	7.5	6.8	323.5	323.5	0.0	1.		

STATION NO. 285  
VICTORIA, TEXAS

9 MAY 1979  
1405 GMT

1405 59.0

TIME MUT	CNTCY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MR PTO GM/KG	GM PCT	RANGE KM	AZ DG	
00.0	6.0	33.0	1002.3	23.3	21.6	130.0	7.7	-3.9	6.7	296.3	336.0	16.4	90.0	0.9	0.	
0.1	6.0	53.2	1003.0	24.0	22.3	130.7	9.3	-4.7	6.0	297.1	342.0	17.3	90.6	0.2	306.	
0.9	7.2	276.3	995.0	23.0	22.1	151.9	11.0	-5.6	10.2	298.3	354.1	17.5	95.9	0.7	332.	
1.7	11.6	503.0	992.0	21.5	22.7	151.6	12.3	-6.0	11.9	298.0	361.3	18.3	95.3	1.3	333.	
2.5	14.0	734.6	992.0	19.9	22.0	171.9	13.7	-1.9	13.6	297.6	377.2	18.2	88.9	1.0	330.	
3.2	14.5	772.5	990.0	20.6	19.6	175.3	14.7	-1.2	14.6	302.0	343.4	15.2	87.9	2.5	352.	
4.1	14.0	1216.4	995.0	19.3	16.4	177.3	15.2	-1.0	15.2	303.0	343.4	13.7	87.2	3.2	349.	
4.9	21.4	1455.0	995.0	17.6	15.7	176.9	15.5	-1.6	13.4	304.6	343.4	13.5	90.7	4.0	347.	
5.4	24.0	1721.0	995.0	17.5	9.1	180.3	15.4	2.5	15.2	307.1	337.3	9.0	59.6	4.8	342.	
6.7	24.6	1455.5	990.0	20.0	-13.2	198.1	17.0	5.5	14.0	312.5	317.7	1.7	9.3	5.6	353.	
7.5	27.2	2745.2	995.0	20.0	-32.7	197.6	15.6	4.7	14.9	315.4	316.0	0.2	1.0	6.4	357.	
8.4	31.9	2533.5	995.0	19.5	-35.7	190.3	13.4	4.2	12.9	317.7	316.6	0.2	1.0	7.2	359.	
9.5	36.6	2529.3	995.0	17.5	-32.2	192.6	12.8	4.3	12.1	318.7	319.3	0.2	1.0	7.9	1.	
10.6	37.1	312.1	995.0	14.3	-40.9	179.8	13.1	4.2	12.4	318.8	319.4	0.1	1.0	6.7	3.	
11.6	40.0	303.4	995.0	12.0	-31.8	208.1	12.2	5.0	11.1	319.1	320.3	0.4	3.0	0.5	4.	
12.5	42.4	3745.9	995.0	9.4	-24.5	205.6	11.9	5.1	10.8	319.9	322.2	0.7	5.9	10.7	6.	
13.0	45.4	4204.9	995.0	6.6	-18.9	176.4	10.9	2.5	9.7	320.0	324.5	1.4	14.4	11.0	7.	
13.3	47.4	4451.9	995.0	3.4	-19.1	192.8	7.6	3.3	9.1	320.1	324.7	1.4	17.3	11.4	7.	
14.2	51.2	4745.0	995.0	0.1	-17.3	200.0	9.6	4.7	8.8	320.1	325.6	1.7	25.6	12.2	8.	
14.4	54.9	5097.3	995.0	-2.1	-17.2	195.2	10.2	3.4	9.6	320.4	326.2	1.8	32.6	12.9	9.	
14.7	57.0	5464.7	995.0	-6.2	-22.0	211.2	10.7	5.6	9.2	321.2	321.3	0.1	1.5	13.7	10.	
15.2	61.1	5463.9	990.0	-9.7	-26.1	218.8	11.2	6.4	9.2	321.2	321.4	0.0	1.0	14.5	11.	
15.2	64.4	4236.7	995.0	-13.5	-40.1	218.0	11.0	6.7	8.5	321.3	321.4	0.1	4.0	15.2	12.	
15.5	67.9	5548.5	995.0	-17.5	-40.1	221.6	11.1	7.4	8.3	321.3	322.2	0.3	11.9	16.1	14.	
16.0	71.3	7371.1	995.0	-19.5	-62.1	229.5	10.5	6.0	6.0	324.0	324.1	0.0	1.0	16.8	16.	
16.7	74.9	7519.0	990.0	-22.3	-68.1	237.2	11.0	5.4	9.4	325.1	325.1	0.0	1.0	17.8	17.	
17.1	78.7	7927.6	995.0	-26.2	-66.7	177.8	11.5	3.5	11.0	326.9	327.0	0.0	1.0	18.9	17.	
17.4	82.5	9495.9	990.0	-29.3	-69.7	213.7	11.2	6.2	9.3	327.3	329.4	0.0	1.0	19.9	18.	
17.8	87.5	9710.5	990.0	-31.4	-71.4	227.5	12.4	9.1	8.4	330.6	330.4	0.0	1.0	21.1	19.	
18.3	92.5	9570.0	990.0	-36.3	-73.3	240.2	16.9	14.7	6.4	334.2	334.3	0.0	1.0	22.4	21.	
18.5	95.2	10168.3	995.0	-40.4	-79.9	241.0	19.5	17.1	6.4	336.7	334.3	0.0	97.9	24.1	25.	
19.4	103.0	10941.0	990.0	-46.9	-92.9	234.2	27.3	19.0	11.8	339.4	339.9	0.0	99.9	29.1	28.	
19.7	105.3	11524.0	995.0	-50.1	-97.7	235.0	22.1	14.8	11.7	341.7	339.9	0.0	99.9	29.1	31.	
19.7	114.3	12273.5	990.0	-53.7	-92.9	237.1	24.5	21.0	12.6	347.7	339.9	0.0	99.9	32.4	34.	
19.7	116.2	13129.5	995.0	-57.0	-92.9	236.9	27.2	23.3	14.3	355.9	339.9	0.0	99.9	36.4	37.	
19.7	122.5	14073.0	990.0	-60.3	-96.9	241.2	27.6	21.2	13.3	366.2	339.9	0.0	99.9	41.4	40.	
20.5	129.5	15216.0	995.0	-63.7	-92.9	250.6	23.7	19.8	13.1	373.6	339.9	0.0	99.9	47.2	43.	
20.7	137.7	16571.9	990.0	-65.7	-92.9	257.7	20.7	14.8	13.0	400.8	339.9	0.0	99.9	53.6	44.	
21.5	155.7	18124.4	995.0	-66.5	-92.9	99.5	99.9	99.9	99.9	433.6	359.9	0.0	99.9	99.9	43.	
22.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 19 DEG  
 0 BY TEMP MEANS TEMPERATURE OR FIRE HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255  
VICTORIA, TERRA

9 MAY 1973  
1705 GMT

164 13. 0

TIME	CENT	HEIGHT	REF	1645	1640	1635	DIR	SPEED	U COMP	V COMP	PJT F	E POT T	MR HD	4M	RANGE	AZ
MIN		FT	43	1640	1635	1630	°S	M/SEC	M/SEC	M/SEC	J J K	D, F	GM/KG	PCT	KM	OG
00	0.6	330	10000	29.9	22.2	17.0	7.7	-1.3	7.6	29.8	344.8	17.1	73.0	0.2	0.	
01	0.8	310	10000	26.5	22.3	19.9	9.3	9.9	9.9	29.7	344.9	17.2	77.5	999.9	997	
02	1.1	290	9999	24.2	21.8	23.9	9.9	9.9	9.9	29.5	344.6	17.2	86.9	999.9	997	
03	1.5	270	9999	21.4	21.8	28.9	9.9	9.9	9.9	29.9	341.1	16.1	93.9	999.9	997	
04	1.9	250	9999	19.7	21.3	33.9	11.6	-1.7	11.5	33.6	343.0	16.0	98.2	1.4	336.	
05	2.3	230	9999	17.2	19.4	39.4	13.2	0.1	18.2	33.4	342.5	15.0	97.1	2.5	341.	
06	2.7	210	9999	14.7	17.3	45.4	15.5	-0.5	15.5	33.3	341.1	14.4	91.2	3.1	345.	
07	3.1	190	9999	12.1	15.1	51.4	17.7	-2.6	15.5	33.1	341.1	13.7	91.4	4.1	347.	
08	3.5	170	9999	9.6	12.9	57.4	19.9	-2.3	14.7	32.9	332.2	12.5	91.9	4.9	347.	
09	3.9	150	9999	7.1	10.7	63.4	22.1	2.6	13.4	32.7	327.6	11.0	84.6	5.7	347.	
10	4.3	130	9999	4.6	8.5	69.4	24.3	5.7	12.2	32.5	321.9	9.8	77.5	6.6	353.	
11	4.7	110	9999	2.1	6.3	75.4	26.5	8.9	11.0	32.3	315.1	8.6	71.5	7.5	357.	
12	5.1	90	9999	-0.4	4.1	81.4	28.7	12.2	9.8	32.1	308.4	7.4	65.5	8.5	359.	
13	5.5	70	9999	-2.9	1.9	87.4	30.9	15.5	8.7	31.9	301.7	6.2	59.5	9.5	359.	
14	5.9	50	9999	-5.4	-0.3	93.4	33.1	18.7	7.6	31.7	295.0	5.0	53.5	10.5	360.	
15	6.3	30	9999	-8.0	-2.7	99.4	35.3	22.0	6.5	31.5	288.3	3.8	47.5	11.5	360.	
16	6.7	10	9999	-10.5	-5.1	105.4	37.5	25.3	5.4	31.3	281.6	2.6	41.5	12.5	360.	
17	7.1	-10	9999	-13.0	-7.5	111.4	39.7	28.6	4.3	31.1	274.9	1.4	35.5	13.5	360.	
18	7.5	-30	9999	-15.5	-9.9	117.4	41.9	31.9	3.2	30.9	268.2	0.2	29.5	14.5	360.	
19	7.9	-50	9999	-18.0	-12.3	123.4	44.1	35.2	2.1	30.7	261.5	0.1	23.5	15.5	360.	
20	8.3	-70	9999	-20.5	-14.7	129.4	46.3	38.5	1.0	30.5	254.8	0.0	17.5	16.5	360.	
21	8.7	-90	9999	-23.0	-17.1	135.4	48.5	41.8	0.0	30.3	248.1	0.0	11.5	17.5	360.	
22	9.1	-110	9999	-25.5	-19.5	141.4	50.7	45.1	-0.1	30.1	241.4	0.0	5.5	18.5	360.	
23	9.5	-130	9999	-28.0	-21.9	147.4	52.9	48.4	-0.2	29.9	234.7	0.0	-0.5	19.5	360.	
24	9.9	-150	9999	-30.5	-24.3	153.4	55.1	51.7	-0.3	29.7	228.0	0.0	-4.5	20.5	360.	
25	10.3	-170	9999	-33.0	-26.7	159.4	57.3	55.0	-0.4	29.5	221.3	0.0	-8.5	21.5	360.	
26	10.7	-190	9999	-35.5	-29.1	165.4	59.5	58.3	-0.5	29.3	214.6	0.0	-12.5	22.5	360.	
27	11.1	-210	9999	-38.0	-31.5	171.4	61.7	61.6	-0.6	29.1	207.9	0.0	-16.5	23.5	360.	
28	11.5	-230	9999	-40.5	-33.9	177.4	63.9	64.9	-0.7	28.9	201.2	0.0	-20.5	24.5	360.	
29	11.9	-250	9999	-43.0	-36.3	183.4	66.1	68.2	-0.8	28.7	194.5	0.0	-24.5	25.5	360.	
30	12.3	-270	9999	-45.5	-38.7	189.4	68.3	71.5	-0.9	28.5	187.8	0.0	-28.5	26.5	360.	
31	12.7	-290	9999	-48.0	-41.1	195.4	70.5	74.8	-1.0	28.3	181.1	0.0	-32.5	27.5	360.	
32	13.1	-310	9999	-50.5	-43.5	201.4	72.7	78.1	-1.1	28.1	174.4	0.0	-36.5	28.5	360.	
33	13.5	-330	9999	-53.0	-45.9	207.4	74.9	81.4	-1.2	27.9	167.7	0.0	-40.5	29.5	360.	
34	13.9	-350	9999	-55.5	-48.3	213.4	77.1	84.7	-1.3	27.7	161.0	0.0	-44.5	30.5	360.	
35	14.3	-370	9999	-58.0	-50.7	219.4	79.3	88.0	-1.4	27.5	154.3	0.0	-48.5	31.5	360.	
36	14.7	-390	9999	-60.5	-53.1	225.4	81.5	91.3	-1.5	27.3	147.6	0.0	-52.5	32.5	360.	
37	15.1	-410	9999	-63.0	-55.5	231.4	83.7	94.6	-1.6	27.1	140.9	0.0	-56.5	33.5	360.	
38	15.5	-430	9999	-65.5	-57.9	237.4	85.9	97.9	-1.7	26.9	134.2	0.0	-60.5	34.5	360.	
39	15.9	-450	9999	-68.0	-60.3	243.4	88.1	101.2	-1.8	26.7	127.5	0.0	-64.5	35.5	360.	
40	16.3	-470	9999	-70.5	-62.7	249.4	90.3	104.5	-1.9	26.5	120.8	0.0	-68.5	36.5	360.	
41	16.7	-490	9999	-73.0	-65.1	255.4	92.5	107.8	-2.0	26.3	114.1	0.0	-72.5	37.5	360.	
42	17.1	-510	9999	-75.5	-67.5	261.4	94.7	111.1	-2.1	26.1	107.4	0.0	-76.5	38.5	360.	
43	17.5	-530	9999	-78.0	-69.9	267.4	96.9	114.4	-2.2	25.9	100.7	0.0	-80.5	39.5	360.	
44	17.9	-550	9999	-80.5	-72.3	273.4	99.1	117.7	-2.3	25.7	94.0	0.0	-84.5	40.5	360.	
45	18.3	-570	9999	-83.0	-74.7	279.4	101.3	121.0	-2.4	25.5	87.3	0.0	-88.5	41.5	360.	
46	18.7	-590	9999	-85.5	-77.1	285.4	103.5	124.3	-2.5	25.3	80.6	0.0	-92.5	42.5	360.	
47	19.1	-610	9999	-88.0	-79.5	291.4	105.7	127.6	-2.6	25.1	73.9	0.0	-96.5	43.5	360.	
48	19.5	-630	9999	-90.5	-81.9	297.4	107.9	130.9	-2.7	24.9	67.2	0.0	-100.5	44.5	360.	
49	19.9	-650	9999	-93.0	-84.3	303.4	110.1	134.2	-2.8	24.7	60.5	0.0	-104.5	45.5	360.	
50	20.3	-670	9999	-95.5	-86.7	309.4	112.3	137.5	-2.9	24.5	53.8	0.0	-108.5	46.5	360.	
51	20.7	-690	9999	-98.0	-89.1	315.4	114.5	140.8	-3.0	24.3	47.1	0.0	-112.5	47.5	360.	
52	21.1	-710	9999	-100.5	-91.5	321.4	116.7	144.1	-3.1	24.1	40.4	0.0	-116.5	48.5	360.	
53	21.5	-730	9999	-103.0	-93.9	327.4	118.9	147.4	-3.2	23.9	33.7	0.0	-120.5	49.5	360.	
54	21.9	-750	9999	-105.5	-96.3	333.4	121.1	150.7	-3.3	23.7	27.0	0.0	-124.5	50.5	360.	
55	22.3	-770	9999	-108.0	-98.7	339.4	123.3	154.0	-3.4	23.5	20.3	0.0	-128.5	51.5	360.	
56	22.7	-790	9999	-110.5	-101.1	345.4	125.5	157.3	-3.5	23.3	13.6	0.0	-132.5	52.5	360.	
57	23.1	-810	9999	-113.0	-103.5	351.4	127.7	160.6	-3.6	23.1	6.9	0.0	-136.5	53.5	360.	
58	23.5	-830	9999	-115.5	-105.9	357.4	129.9	163.9	-3.7	22.9	0.2	0.0	-140.5	54.5	360.	
59	23.9	-850	9999	-118.0	-108.3	363.4	132.1	167.2	-3.8	22.7	-6.5	0.0	-144.5	55.5	360.	
60	24.3	-870	9999	-120.5	-110.7	369.4	134.3	170.5	-3.9	22.5	-13.2	0.0	-148.5	56.5	360.	
61	24.7	-890	9999	-123.0	-113.1	375.4	136.5	173.8	-4.0	22.3	-20.0	0.0	-152.5	57.5	360.	
62	25.1	-910	9999	-125.5	-115.5	381.4	138.7	177.1	-4.1	22.1	-26.8	0.0	-156.5	58.5	360.	
63	25.5	-930	9999	-128.0	-117.9	387.4	140.9	180.4	-4.2	21.9	-33.6	0.0	-160.5	59.5	360.	
64	25.9	-950	9999	-130.5	-120.3	393.4	143.1	183.7	-4.3	21.7	-40.4	0.0	-164.5	60.5	360.	
65	26.3	-970	9999	-133.0	-122.7	399.4	145.3	187.0	-4.4	21.5	-47.2	0.0	-168.5	61.5	360.	
66	26.7	-990	9999	-135.5	-125.1	405.4	147.5	190.3	-4.5	21.3	-54.0	0.0	-172.5	62.5	360.	
67	27.1	-1010	9999	-138.0	-127.5	411.4	149.7	193.6	-4.6	21.1	-60.8	0.0	-176.5	63.5	360.	
68	27.5	-1030	9999	-140.5	-129.9	417.4	151.9	196.9	-4.7	20.9	-67.6	0.0	-180.5	64.5	360.	
69	27.9	-1050	9999	-143.0	-132.3	423.4	154.1	200.2	-4.8	20.7	-74.4	0.0	-184.5	65.5	360.	
70	28.3	-1070	9999	-145.5	-134.7	429.4	156.3	203.5	-4.9	20.5	-81.2	0.0	-188.5	66.5	360.	
71	28.7	-1090	9999	-148.0	-137.1	435.4	158.5	206.8	-5.0	20.3	-88.0	0.0	-192.5	67.5	360.	
72	29.1	-1110	9999	-150.5	-139.5	441.4	160.7	210.1	-5.1	20.1	-94.8	0.0	-196.5	68.5	360.	
73	29.5	-1130	9999	-153.0	-141.9	447.4	162.9	213.4	-5.2	19.9	-101.6	0.0	-200.5	69.5	360.	
74	29.9	-1150	9999	-155.5	-144.3	453.4	165.1	216.7	-5.3	19.7	-108.4	0.0	-204.5	70.5	360.	
75	30.3	-1170	9999	-158.0	-146.7	459.4	167.3	220.0	-5.4	19.5	-115.2	0.0	-208.5	71.5	360.	
76	30.7	-1190	9999	-160.5	-149.1	465.4	169.5	223.3	-5.5	19.3	-122.0	0.0	-212.5	72.5	360.	
77	31.1	-1210	9999	-163.0	-151.5	471.4	171.7	226.6	-5.6	19.1	-128.8	0.0	-216.5	73.5	360.	
78	31.5	-1230	9999	-165.5	-153.9	477.4	173.9	229.9	-5.7	18.9	-135.6	0.0	-220.5	74.5	360.	
79	31.9	-1250	9999	-168.0	-156.3	483.4	176.1	233.2	-5.8	18.7	-142.4	0.0	-224.5	75.5	360.	
80	32.3	-1270	9999	-170.5	-158.7	489.4	178.3	236.5	-5.9	18.5	-149.2	0.0	-228.5	76.5	360.	
81	32.7	-1290	9999	-173.0	-161.1	495.4	180.5	239.8	-							

STATION NO. 295  
VICTORIA, TEXAS

9 MAY 1979  
2000 GMT

TIME M14	CHTCF	WEIGHT GMS	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DEG R	E POT V DEG C	HE RTO GMS/KG	RM PCT	RANGE KV	AI DEG
00.0	0.3	33.0	1000.4	20.3	23.0	170.0	9.3	-1.0	9.2	301.0	349.0	10.0	73.0	0.0	0.0
00.0	0.3	36.6	1000.0	20.3	23.1	199.0	9.0	99.0	9.0	301.0	349.0	10.0	73.0	0.0	0.0
00.0	0.0	201.0	975.0	20.0	24.0	99.0	99.0	99.0	99.0	301.2	353.0	10.0	00.2	00.0	00.0
1.0	11.3	091.0	950.0	23.7	22.0	99.0	99.0	99.0	99.0	301.2	350.0	10.0	00.2	00.0	00.0
2.3	13.7	724.3	925.0	21.7	20.0	161.0	10.1	-3.1	9.6	301.8	360.0	17.2	99.7	1.2	330.0
3.3	16.2	962.7	900.0	19.0	19.0	165.0	10.0	-2.7	10.6	302.0	363.7	15.0	94.0	1.0	339.0
4.2	18.0	1206.4	875.0	16.0	17.0	173.0	11.3	-1.3	11.2	303.3	363.3	15.0	94.0	2.5	341.0
5.1	21.1	1455.7	850.0	13.0	13.0	184.0	11.1	0.0	11.0	305.0	363.0	14.2	94.0	3.1	343.0
6.1	23.7	1711.1	825.0	10.0	10.0	192.0	12.3	2.0	12.0	305.0	363.0	12.1	94.0	3.7	349.0
7.1	26.2	1972.7	800.0	8.0	8.0	192.0	13.0	2.0	12.7	307.3	362.0	9.3	71.0	4.4	353.0
8.2	28.6	2244.9	775.0	21.3	-36.0	190.3	12.0	3.2	12.8	310.7	362.0	6.2	1.0	5.2	350.0
9.2	31.0	2526.9	750.0	19.3	-39.0	201.7	12.2	4.0	12.3	317.7	360.0	6.2	1.0	6.0	359.0
10.2	34.2	2810.4	725.0	17.0	-39.3	209.0	12.0	6.0	12.0	318.0	360.0	6.2	1.0	6.7	2.0
11.2	37.0	3113.9	700.0	15.0	-40.0	212.0	12.0	7.3	11.5	318.0	360.0	6.1	1.0	7.4	9.0
12.3	39.0	3419.6	675.0	12.0	-42.1	212.0	12.4	6.0	11.7	320.0	360.0	6.1	1.0	8.2	0.0
13.0	42.0	3734.3	650.0	10.0	-43.7	209.0	13.0	5.7	12.0	320.3	370.0	6.1	1.0	9.1	10.0
14.0	45.0	4058.0	625.0	7.0	-45.0	198.0	13.0	4.3	12.7	320.3	370.0	6.1	1.0	10.0	10.0
15.7	47.0	4371.9	600.0	6.2	-43.0	192.0	13.0	3.0	13.0	320.3	370.0	6.1	1.0	10.9	12.0
16.9	51.0	4735.0	575.0	1.1	-49.3	192.0	12.7	2.7	12.6	321.3	370.0	6.1	1.0	11.9	12.0
18.2	54.0	5091.0	550.0	-1.0	-51.1	199.3	12.1	4.3	12.0	321.0	370.0	6.1	1.0	12.8	12.0
19.4	57.0	5458.0	525.0	-3.0	-53.0	205.0	12.0	6.1	12.6	321.0	370.0	6.1	1.0	13.0	13.0
20.7	60.0	5838.0	500.0	-6.0	-50.0	206.3	12.2	6.0	13.7	322.2	370.0	6.1	1.0	14.0	14.0
22.2	64.1	6232.0	475.0	-12.0	-39.3	205.3	12.0	4.3	13.5	322.4	370.0	6.1	0.5	16.2	15.0
23.6	67.0	6622.3	450.0	-18.0	-35.2	204.0	10.0	6.0	13.0	322.3	370.0	6.1	0.5	17.5	15.0
25.1	71.0	7009.1	425.0	-19.0	-62.3	217.1	10.0	6.5	11.2	324.1	370.0	6.0	1.0	18.0	16.0
26.7	74.7	7416.0	400.0	-22.0	-66.0	222.7	12.0	9.3	10.1	325.3	370.0	6.0	1.0	20.0	18.0
28.2	78.0	7809.0	375.0	-24.0	-65.3	230.4	10.0	11.7	9.4	329.0	370.0	6.0	1.0	21.2	20.0
29.9	82.3	8188.0	350.0	-27.0	-67.0	241.1	10.0	12.2	6.7	331.0	370.0	6.0	1.0	22.3	22.0
31.6	86.3	8577.9	325.0	-31.0	-70.1	240.0	10.0	14.0	7.1	333.3	370.0	6.0	1.0	23.5	24.0
33.0	90.7	8976.0	300.0	-35.7	-73.0	240.0	10.0	17.0	6.7	335.3	370.0	6.0	1.0	25.0	26.0
35.0	95.2	9376.0	275.0	-39.0	-90.0	240.0	10.0	19.5	9.3	337.0	370.0	6.0	1.0	26.0	28.0
37.0	99.8	9776.0	250.0	-43.2	-99.0	240.0	22.0	20.5	10.0	338.0	370.0	6.0	1.0	28.0	31.0
40.0	104.0	10176.0	225.0	-49.0	-99.0	243.3	23.0	20.5	10.3	342.0	370.0	6.0	1.0	29.3	34.0
42.0	109.0	10581.0	200.0	-54.0	-99.0	241.0	23.1	21.3	11.4	340.0	370.0	6.0	1.0	30.0	37.0
45.7	115.3	11130.0	175.0	-57.3	-99.0	242.1	22.7	26.2	13.0	355.1	370.0	6.0	1.0	31.0	42.0
48.2	122.0	11610.0	150.0	-59.0	-99.0	245.7	31.0	28.0	13.0	360.3	370.0	6.0	1.0	32.0	46.0
51.0	129.7	12135.3	125.0	-62.3	-99.0	239.0	26.5	22.0	13.0	362.2	370.0	6.0	1.0	33.0	47.0
53.5	137.3	12602.0	100.0	-65.7	-99.0	230.0	17.2	12.0	11.0	400.7	370.0	6.0	1.0	35.0	47.0
57.0	146.0	13334.2	75.0	-69.0	-99.0	197.2	12.5	3.7	11.0	428.2	370.0	6.0	1.0	37.0	47.0
61.0	155.3	14010.7	50.0	-69.1	-99.0	130.0	6.2	-0.2	5.4	504.0	370.0	6.0	1.0	42.1	44.0
70.2	165.5	25294.3	25.0	-67.0	-99.0	99.0	99.0	99.0	97.0	640.0	370.0	6.0	1.0	50.2	41.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 285  
VICTORIA, TEXAS

18 MAY 1979  
305 GMT

TIME MIN	CHTC	HEIGHT GPH	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG E	E POT Y DEG E	REL WIND GMS/KS	RH PCT	RANGE KM	AZ DEG	
00	4-2	33.0	1000.7	24.7	23.3	120.0	9.1	-0.0	2.5	297.8	345.3	18.3	92.0	0.0	0.	
01	4-3	41.0	1000.8	24.6	23.3	121.7	9.7	-0.0	3.0	297.8	345.4	18.3	92.3	0.0	358.	
04	6-3	263.6	975.0	23.3	22.5	141.1	11.2	-7.0	8.7	298.6	345.4	17.9	95.1	0.5	308.	
1-4	10-9	491.5	950.0	23.5	22.5	154.4	11.9	-5.2	10.8	301.1	349.7	18.6	96.1	1.1	318.	
3-4	13-3	725.2	925.0	21.6	20.8	157.5	10.4	-9.0	9.6	301.4	346.6	17.0	96.9	1.7	324.	
4-2	15-6	963.5	900.0	20.7	19.5	166.1	11.4	-3.9	10.7	302.0	345.7	16.1	92.0	2.2	329.	
5-0	20-6	1204.5	875.0	20.8	19.6	161.6	10.3	-5.1	15.4	303.4	350.3	16.6	92.0	3.0	329.	
5-8	23-1	1459.7	850.0	18.8	17.9	167.4	17.3	-3.8	16.9	303.9	347.6	15.4	92.0	3.0	329.	
6-7	25-6	1716.6	825.0	17.8	9.8	177.4	15.4	-0.7	15.4	307.4	360.1	11.9	76.0	4.0	334.	
6-7	25-6	1981.6	800.0	21.9	-37.1	184.2	11.3	1.2	11.4	313.5	319.2	0.2	1.0	5.3	341.	
7-7	28-1	2256.5	775.0	19.3	-38.1	187.2	11.5	1.4	11.4	316.0	319.2	0.2	1.0	5.3	341.	
8-7	30-7	2535.2	750.0	18.4	-38.7	187.1	13.7	1.7	13.6	316.0	317.2	0.2	1.0	6.5	346.	
9-7	33-3	2823.9	725.0	16.6	-39.6	189.5	12.7	3.2	12.3	317.0	318.2	0.2	1.0	7.3	349.	
10-2	36-0	3120.4	700.0	16.3	-41.1	202.3	14.4	5.5	13.3	318.4	318.9	0.1	1.0	8.1	352.	
12-3	38-7	3423.6	675.0	12.0	-42.5	204.2	16.0	6.7	10.9	319.1	319.8	0.1	1.0	8.9	355.	
14-1	44-2	3739.3	650.0	9.1	-44.3	202.4	16.8	6.1	10.8	319.3	319.7	0.1	1.0	9.9	358.	
14-1	44-2	4061.9	625.0	6.4	-46.0	205.1	16.3	6.8	10.7	319.8	320.1	0.1	1.0	10.8	0.	
15-3	47-1	4394.7	600.0	3.5	-47.6	208.2	18.0	8.5	15.9	320.9	321.3	0.1	1.0	11.9	3.	
17-9	53-1	5024.2	575.0	0.9	-49.4	206.0	19.4	9.3	17.0	321.1	321.3	0.1	1.0	13.1	6.	
20-3	59-4	5837.5	550.0	-2.7	-51.4	208.0	19.7	6.7	18.5	321.0	321.9	0.1	1.0	14.6	8.	
21-9	62-6	6231.2	525.0	-6.2	-39.5	200.0	18.7	0.7	17.1	321.1	322.6	0.0	1.0	16.1	9.	
23-0	65-9	6681.0	500.0	-9.8	-35.2	201.6	18.4	0.7	17.1	321.1	322.6	0.0	1.0	17.7	10.	
24-5	69-3	7072.4	475.0	-12.5	-37.8	211.5	16.3	8.4	13.9	322.6	323.6	0.0	1.0	19.0	11.	
26-4	72-9	7523.9	450.0	-14.6	-39.2	224.6	16.3	11.8	11.2	326.9	325.0	0.0	1.0	20.1	13.	
28-1	76-3	8200.0	425.0	-19.0	-61.2	240.5	13.3	11.6	6.5	326.3	326.4	0.0	1.0	21.1	15.	
29-9	80-3	8900.0	375.0	-23.3	-62.6	233.7	10.4	9.3	4.7	329.2	329.2	0.0	1.0	22.0	18.	
31-7	84-3	9500.0	350.0	-27.3	-64.8	237.7	8.4	8.1	2.4	330.0	330.8	0.0	1.0	22.6	20.	
33-5	88-5	9599.0	300.0	-32.2	-70.6	249.1	10.8	7.6	2.4	332.0	332.0	0.0	1.0	23.1	21.	
35-4	92-7	17196.1	275.0	-41.1	-73.6	251.6	14.6	13.9	4.6	332.7	333.7	0.0	1.0	23.7	23.	
37-6	97-6	13825.9	250.0	-46.1	-79.9	252.2	18.4	17.3	8.6	335.7	339.9	0.0	1.0	24.7	25.	
40-0	102-4	11319.0	225.0	-50.6	-99.9	251.5	18.4	17.9	8.6	337.5	339.9	0.0	1.0	26.0	28.	
42-3	107-6	12281.8	200.0	-54.6	-99.9	252.6	22.9	21.9	6.9	340.0	339.9	0.0	1.0	27.9	32.	
45-1	113-4	13127.2	175.0	-58.6	-99.9	251.6	26.6	25.2	6.4	347.2	339.9	0.0	1.0	30.2	36.	
48-3	118-8	14097.2	150.0	-57.5	-99.9	245.3	26.3	25.0	6.2	355.9	339.9	0.0	1.0	33.2	39.	
51-8	125-3	15226.0	125.0	-64.3	-99.9	245.3	30.4	27.6	12.7	367.3	339.9	0.0	1.0	36.8	43.	
53-8	130-3	16577.5	100.0	-69.6	-99.9	245.5	23.4	21.3	9.7	378.3	339.9	0.0	1.0	42.0	46.	
56-4	143-9	19278.9	75.0	-73.0	-99.9	225.8	18.2	11.3	11.3	393.2	339.9	0.0	1.0	51.9	49.	
57-5	152-3	23754.3	51.3	-64.6	-99.9	201.6	12.7	9.6	11.8	419.0	339.9	0.0	1.0	55.7	48.	
78-0	162-3	25199.9	25.3	-53.3	-99.9	126.3	6.9	-5.2	3.9	495.7	339.9	0.0	1.0	60.0	48.	
															81.1	42.

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

100-100-100  
100-100-100





STATION NO. 255  
VICTORIA, TEXAS

10 MAY 1979  
005 GMT

16Z 10.0

TIME MIN	CMCT	WEIGHT GPM	PRES HG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	P/T T DG K	E POT T DG K	MR RTO GM/KG	RM PCT	RANGE RM	AZ DG
0.0	0.0	33.0	1001.3	20.0	20.1	150.0	5.1	-2.0	0.4	297.6	347.6	19.2	97.0	0.0	0.
3.0	6.5	00.0	1000.0	20.6	20.2	152.1	5.8	-2.7	0.4	297.7	347.9	19.3	97.5	0.1	356.
0.9	9.4	287.3	975.0	23.0	22.9	162.5	9.8	-3.0	9.4	298.3	346.3	18.4	99.6	0.5	338.
1.8	11.2	494.9	950.0	22.4	22.4	165.5	12.5	-3.1	12.1	300.0	345.9	18.3	99.5	1.1	341.
2.7	13.6	727.6	925.0	20.8	20.7	166.4	14.2	-3.3	13.8	300.6	345.3	18.9	99.3	1.9	344.
3.6	16.0	965.2	900.0	20.0	19.9	167.3	16.1	-3.5	15.7	302.2	346.1	18.9	99.2	2.6	344.
4.6	18.5	1208.5	875.0	19.6	19.6	173.4	18.1	-2.1	18.0	304.2	333.1	18.6	99.0	3.7	346.
5.6	21.0	1456.4	850.0	20.0	3.2	178.3	19.2	-0.6	19.2	307.1	323.4	5.7	32.8	4.8	348.
6.6	23.5	1715.4	825.0	18.3	9.4	179.0	19.3	-0.3	19.3	308.0	323.5	9.1	58.4	5.9	350.
7.5	26.1	1978.4	800.0	18.0	-3.8	184.5	17.0	1.3	17.0	310.4	323.1	6.7	26.9	7.0	352.
8.5	28.7	2250.0	775.0	19.1	-38.2	194.0	15.4	3.7	15.0	314.4	315.0	0.2	1.0	7.9	354.
9.5	31.3	2531.0	750.0	17.9	-39.0	198.2	14.1	4.4	13.4	316.0	316.6	0.2	1.0	8.6	356.
10.4	33.9	2819.0	725.0	18.0	-40.1	205.4	12.8	5.5	11.6	317.0	317.6	0.2	1.0	9.3	358.
11.3	36.6	3114.7	700.0	13.0	-41.9	214.6	11.6	6.8	9.5	318.7	317.4	0.1	1.0	9.9	0.
12.3	39.3	3414.2	675.0	10.3	-43.6	224.6	10.4	7.3	7.4	317.2	317.6	0.1	1.0	10.4	3.
13.3	42.1	3729.7	650.0	7.2	-45.5	228.1	11.5	8.2	8.2	317.1	317.5	0.1	1.0	10.9	5.
14.4	45.0	4050.1	625.0	9.5	-47.1	225.4	13.2	9.9	8.7	317.7	318.0	0.1	1.0	11.5	7.
15.4	48.0	4380.5	600.0	1.9	-48.8	229.0	15.6	11.9	10.3	318.3	318.6	0.1	1.0	12.2	11.
16.7	51.9	4721.6	575.0	-1.0	-50.0	229.2	17.9	13.5	11.7	318.8	319.0	0.1	1.0	13.2	14.
17.8	54.0	5073.3	550.0	-6.5	-47.4	236.9	18.0	15.1	9.9	318.7	319.1	0.1	1.0	14.1	17.
19.0	57.1	5437.0	525.0	-7.7	-54.8	243.7	18.1	16.3	8.0	319.2	319.4	0.0	1.0	15.1	20.
20.2	60.3	5814.1	500.0	-10.4	-56.5	249.2	14.5	13.6	5.1	320.4	323.5	0.0	1.0	16.0	23.
21.5	63.6	6204.1	475.0	-11.5	-57.2	253.1	10.2	9.0	3.0	323.7	323.9	0.0	1.0	16.6	26.
22.9	67.3	6623.0	450.0	-14.4	-59.0	262.2	6.8	6.1	0.9	325.2	325.3	0.0	1.0	17.1	28.
24.4	70.4	7050.6	425.0	-17.7	-61.2	268.6	4.4	4.3	0.7	326.2	326.3	0.0	1.0	17.3	29.
25.9	74.0	7500.7	400.0	-21.0	-63.5	253.0	3.7	3.5	1.1	327.3	327.3	0.0	1.0	17.5	30.
27.5	77.7	7974.3	375.0	-24.3	-65.5	228.5	2.0	1.5	1.3	329.4	329.5	0.0	1.0	17.8	30.
29.0	81.5	8472.9	350.0	-28.3	-69.1	217.0	4.2	2.6	3.4	330.6	330.6	0.0	1.0	18.3	33.
30.7	85.5	8999.3	325.0	-32.4	-70.7	232.4	8.4	6.6	5.1	332.1	332.1	0.0	1.0	18.6	31.
32.5	89.7	9559.2	300.0	-36.8	-73.7	248.6	11.5	10.7	4.2	334.5	333.5	0.0	1.0	19.6	32.
34.6	94.2	10154.9	275.0	-42.1	99.9	252.1	13.6	12.9	4.2	334.3	333.9	0.0	999.9	20.7	35.
36.9	99.4	10794.0	250.0	-48.2	99.9	260.6	11.7	11.6	1.9	337.4	337.4	0.0	999.9	23.1	38.
39.0	103.0	11494.0	225.0	-54.3	99.0	251.7	14.5	13.6	4.6	341.5	341.5	0.0	999.9	23.3	40.
41.9	107.4	12254.3	200.0	-59.7	99.9	250.0	24.7	23.2	8.4	346.2	346.2	0.0	999.9	26.4	44.
44.8	114.4	13092.0	175.0	-57.4	99.9	250.5	29.4	27.7	9.8	351.1	351.1	0.0	999.9	30.8	48.
48.2	121.3	14062.7	150.0	-61.1	99.9	254.9	32.4	31.3	8.4	364.9	364.9	0.0	999.9	36.6	52.
52.0	128.0	15184.9	125.0	-65.3	99.9	249.3	28.0	23.3	8.8	378.7	378.7	0.0	999.9	43.1	56.
56.7	135.7	16527.6	100.0	-70.4	99.9	225.7	14.6	14.1	13.7	391.7	391.7	0.0	999.9	47.8	56.
61.0	144.0	18221.6	75.0	-76.1	99.9	209.2	14.4	7.0	12.6	420.0	420.0	0.0	999.9	53.7	55.
64.4	153.5	20702.3	50.0	-59.0	99.9	114.9	8.0	-7.2	3.4	504.5	504.5	0.0	999.9	54.3	52.
80.1	183.0	25159.1	25.0	-58.2	99.9	78.6	11.6	-11.4	-2.3	604.2	604.2	0.0	999.9	49.9	48.

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

STATION NO. 255  
VICTORIA, TEXAS

10 MAY 1979  
1105 GMT

163 17. 0

TIME MIN	ENRGT	HEIGHT M	PRES MB	TEMP C	DEW PT C	DIR D	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T JJ K	E PWT V OU K	WX RFD GM/KG	HH PCT	MANSE KN	AZ DG
0.1	6.6	33.0	1033.4	24.4	23.2	140.0	5.1	-3.3	3.9	297.5	344.8	18.2	93.0	0.0	0.0
3.1	6.5	37.5	1033.0	24.4	23.2	141.5	5.5	-3.4	4.3	297.5	344.9	18.2	93.2	0.0	358.0
3.7	6.3	25.0	975.0	22.9	22.2	102.5	11.3	-3.4	10.6	299.2	348.1	17.6	95.0	0.5	333.0
1.5	11.3	49.0	970.0	21.0	22.9	103.8	14.0	-2.7	13.6	299.2	342.8	16.7	95.8	1.2	380.0
2.9	13.7	71.7	925.0	20.1	17.3	175.0	15.6	-1.4	15.6	299.9	316.1	13.7	88.5	1.4	344.0
3.2	16.1	95.0	900.0	21.3	16.7	176.4	19.3	-1.2	19.3	305.5	342.0	13.4	68.4	2.7	349.0
4.1	19.6	123.2	875.0	22.4	15.9	177.9	20.1	-0.7	20.1	307.1	342.9	13.0	65.2	3.7	351.0
4.3	21.1	145.3	850.0	23.9	15.7	178.0	21.3	-1.1	21.2	307.9	343.1	12.8	63.6	4.1	353.0
4.3	21.7	171.2	825.0	19.9	13.3	176.4	19.5	-1.2	19.5	309.6	336.5	10.0	53.1	6.0	353.0
6.1	24.2	197.3	820.0	19.2	-16.9	177.2	17.5	-0.8	17.5	311.3	316.5	1.7	10.0	7.1	354.0
7.9	24.8	224.9	775.0	19.2	-19.2	184.0	15.1	1.1	15.1	314.5	315.2	0.2	1.0	8.0	356.0
8.9	31.3	252.7	750.0	17.4	-19.4	192.3	14.1	3.0	13.8	315.5	316.3	0.2	1.4	8.9	356.0
3.3	34.2	291.6	725.0	15.3	-17.9	196.4	12.9	3.6	12.4	316.3	317.1	0.2	1.6	9.0	357.0
12.5	34.9	311.4	700.0	12.9	-17.7	199.6	11.9	4.3	11.2	316.7	317.6	0.3	1.9	10.3	359.0
12.6	34.7	341.4	675.0	10.3	-15.4	203.9	9.4	4.7	8.2	317.2	318.2	0.3	2.3	10.9	3.0
12.4	62.5	372.5	650.0	7.5	-13.1	211.3	8.6	5.7	6.4	317.4	319.3	0.3	2.6	11.3	2.0
11.9	45.4	404.7	625.0	5.1	-10.6	213.3	10.6	6.3	6.7	318.3	319.3	0.3	3.4	11.7	4.0
1.0	44.4	437.4	600.0	2.4	-14.6	211.7	13.7	16.8	8.5	319.3	320.1	0.3	4.4	12.3	7.0
14.2	51.4	472.3	575.0	-2.8	-18.2	205.0	13.4	10.9	7.7	319.3	320.1	0.3	4.8	13.0	10.0
17.4	54.4	507.2	550.0	-4.4	-17.4	203.6	13.6	11.7	6.9	318.9	319.8	0.3	5.3	13.7	13.0
14.6	57.4	543.7	525.0	-7.4	-15.3	200.3	14.3	12.9	6.2	319.5	319.8	0.1	1.6	14.3	16.0
14.7	62.3	581.4	500.0	-10.6	-13.7	200.0	12.9	11.5	5.6	320.2	320.4	0.1	2.0	15.1	19.0
21.2	64.1	620.5	475.0	-13.2	-11.2	200.1	9.0	8.1	3.9	321.7	321.8	0.0	1.0	15.7	21.0
24.4	67.6	661.7	450.0	-15.2	-7.5	205.3	6.3	5.8	2.3	324.1	324.2	0.0	1.0	16.1	22.0
25.3	71.0	704.3	425.0	-17.7	-6.1	219.1	4.0	3.4	2.1	326.3	326.4	0.0	1.0	16.4	24.0
24.5	74.5	749.0	400.0	-21.2	-6.4	220.9	4.7	3.1	3.6	327.5	327.5	0.0	1.0	16.8	24.0
24.1	78.3	797.7	375.0	-24.1	-5.1	237.4	6.6	3.1	5.8	329.7	329.8	0.0	1.0	17.2	24.0
24.8	82.2	847.3	350.0	-24.7	-5.1	237.5	8.0	3.9	7.0	330.7	330.7	0.0	1.0	18.0	24.0
14.5	87.2	897.3	325.0	-17.4	-4.7	235.4	8.4	6.3	6.2	332.0	332.0	0.0	1.0	18.9	24.0
17.3	92.5	945.3	300.0	-17.1	-6.7	233.6	6.6	7.7	3.4	333.1	333.2	0.0	2.5	19.7	24.0
14.3	94.0	1015.5	275.0	-41.5	-9.4	234.5	7.2	6.9	1.9	335.1	335.1	0.0	99.9	20.4	29.0
34.4	94.5	1074.6	250.0	-45.4	-9.4	259.1	6.4	6.3	1.2	338.6	338.6	0.0	99.9	20.9	30.0
34.3	104.9	1144.6	225.0	-50.7	-9.4	259.7	14.4	14.2	2.6	340.8	340.8	0.0	99.9	21.8	32.0
41.2	110.0	1224.6	200.0	-54.0	-4.2	254.2	25.0	24.5	5.1	346.5	346.5	0.0	99.9	23.8	37.0
44.2	115.0	1304.6	175.0	-54.0	-9.2	257.9	30.8	30.1	8.5	352.7	352.7	0.0	99.9	27.9	44.0
47.6	122.5	1405.4	150.0	-60.9	-9.9	255.2	29.3	28.4	7.5	355.2	355.2	0.0	99.9	33.3	50.0
51.4	129.7	1514.0	125.0	-64.3	-9.9	243.5	24.6	21.6	12.2	378.5	378.5	0.0	99.9	37.5	54.0
54.5	137.1	1627.5	100.0	-69.2	-9.9	227.3	20.7	15.2	14.1	394.1	394.1	0.0	99.9	44.6	53.0
60.6	146.3	1824.5	75.0	-66.5	-9.9	233.5	12.0	4.8	11.1	433.6	433.6	0.0	99.9	49.0	53.0
67.7	155.7	2072.4	50.0	-59.0	-9.9	114.8	17.6	-6.9	3.2	504.6	504.6	0.0	99.9	50.9	49.0
70.3	163.3	2319.2	25.0	-66.6	-9.9	63.4	13.2	-11.8	-5.8	651.2	651.2	0.0	99.9	66.3	45.0

° 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 5 DEG

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 260  
STEPHENVILLE, TEXAS

9 MAY 1979  
1103 GMT

ISS 17. 0

TIME MIN	CNCT	HEIGHT GUM	PRES MB	TEMP CG C	DEW PT CG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.4	397.0	937.7	20.7	18.1	180.0	0.0	0.0	0.0	287.5	333.7	13.8	85.0	0.0	0.
99.9	99.9	1300.3	930.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	0.0	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	999.9
0.2	10.1	469.3	950.0	20.1	18.2	180.5	10.7	-3.9	10.3	297.6	336.4	18.0	88.5	0.5	381.
1.0	12.6	699.3	925.0	19.2	17.2	179.9	10.7	-3.3	18.4	298.0	333.4	13.5	93.5	1.0	389.
1.9	14.7	338.4	900.0	17.2	16.1	179.4	21.0	-0.2	21.0	299.2	333.9	12.9	93.1	1.9	389.
2.5	17.1	1175.4	875.0	16.1	14.9	180.3	23.0	3.3	22.0	300.6	333.4	12.3	92.2	3.0	359.
3.5	19.1	1421.7	850.0	13.9	10.9	187.9	24.1	3.3	23.9	302.7	327.2	9.0	82.9	4.2	359.
4.4	21.7	1777.1	825.0	22.6	-36.2	188.2	21.9	3.1	21.6	312.5	313.2	0.2	1.0	5.4	1.
5.4	24.4	1943.6	800.0	21.7	-36.7	197.2	20.3	6.0	19.4	313.3	315.0	0.2	1.0	6.7	3.
6.4	27.0	2210.5	775.0	17.8	-39.0	203.1	17.0	6.7	15.6	313.8	313.6	0.2	1.0	7.8	6.
7.4	29.6	2497.0	750.0	18.3	-38.8	208.7	13.9	6.7	12.2	318.4	317.1	0.2	1.0	8.7	9.
8.4	32.1	2785.0	725.0	15.8	-40.3	221.3	12.6	6.3	9.4	318.0	317.3	0.2	1.0	9.3	10.
9.4	34.7	3291.1	700.0	13.6	-41.6	223.7	12.9	6.9	9.3	317.6	318.1	0.1	1.0	10.0	12.
10.5	37.4	3895.1	675.0	10.7	-43.3	223.9	12.9	6.7	6.6	317.7	318.1	0.1	1.0	10.7	14.
11.5	40.1	3697.1	650.0	7.8	-45.1	217.0	12.9	7.8	10.3	317.8	318.1	0.1	1.0	11.4	16.
12.7	42.9	4318.7	625.0	4.5	-47.2	212.2	13.2	7.1	11.2	317.6	318.0	0.1	1.0	12.3	18.
13.7	45.7	4944.3	600.0	1.4	-47.1	204.9	10.0	6.7	14.5	317.8	318.0	0.1	1.0	13.1	18.
14.7	48.5	4694.1	575.0	-1.3	-50.4	200.1	15.5	5.4	14.5	318.5	318.7	0.1	1.0	14.2	19.
15.8	51.4	5340.4	550.0	-4.2	-52.6	206.1	11.0	3.8	10.7	319.1	319.3	0.1	1.0	15.1	19.
17.3	54.3	5403.3	525.0	-7.1	-54.4	202.4	12.1	4.6	11.2	319.9	320.0	0.0	1.0	15.8	19.
18.2	57.5	5783.7	500.0	-9.9	-56.2	210.8	11.1	6.3	9.1	321.0	321.1	0.0	1.0	16.7	19.
19.5	60.9	6176.2	475.0	-13.8	-58.6	227.2	8.8	6.5	6.0	320.9	321.1	0.0	1.0	17.4	20.
20.4	64.3	6584.3	450.0	-16.9	-60.7	222.3	6.5	4.6	4.8	322.0	322.1	0.0	1.0	18.0	21.
22.3	71.3	7311.8	425.0	-19.7	-61.8	226.5	5.2	3.8	3.6	325.0	325.1	0.0	1.0	18.4	22.
23.4	74.9	7460.4	400.0	-22.2	-64.1	253.0	6.2	6.0	1.7	326.1	326.2	0.0	1.0	18.8	22.
24.4	78.1	7430.9	375.0	-25.3	-66.7	253.0	7.3	7.0	1.9	326.9	326.9	0.0	1.0	19.1	24.
27.2	84.1	8126.5	350.0	-29.7	-69.0	232.9	9.5	7.6	5.7	328.7	328.7	0.0	1.0	19.8	24.
28.2	87.9	8250.0	325.0	-34.0	-71.8	228.0	9.8	7.1	6.8	329.9	329.9	0.0	1.0	20.6	27.
29.2	91.7	8504.8	300.0	-38.7	-74.9	239.5	9.8	8.5	5.0	330.9	330.9	0.0	1.0	21.7	28.
31.5	93.3	13297.2	275.0	-43.9	-79.9	242.4	9.5	8.4	4.4	331.7	331.7	0.0	999.9	22.6	30.
34.3	94.9	13729.2	250.0	-48.8	-84.8	237.5	9.0	7.4	4.8	333.5	333.5	0.0	999.9	23.5	31.
36.3	97.6	14134.2	225.0	-54.9	-94.9	243.5	11.5	10.3	5.1	334.4	334.4	0.0	999.9	24.5	31.
39.4	104.4	12157.4	200.0	-59.9	-99.9	241.6	17.9	15.7	8.3	339.6	339.6	0.0	999.9	26.0	34.
40.7	110.2	12496.4	175.0	-59.1	-99.9	236.7	23.6	19.7	13.0	352.4	352.4	0.0	999.9	28.7	37.
43.1	118.3	13759.3	150.0	-61.3	-99.9	229.9	25.3	19.3	16.3	368.6	368.6	0.0	999.9	32.1	38.
45.7	123.0	15081.9	125.0	-63.8	-99.9	231.1	25.5	19.9	18.0	378.5	378.5	0.0	999.9	36.1	40.
47.9	130.7	14444.9	100.0	-64.7	-99.9	231.1	22.1	18.0	14.5	402.8	402.8	0.0	999.9	41.2	41.
52.7	139.0	18194.5	75.0	-66.4	-99.9	205.6	12.1	5.1	10.9	433.4	433.4	0.0	999.9	44.7	41.
54.4	149.0	20721.3	50.0	-59.2	-99.9	143.9	5.4	-3.3	4.5	504.8	504.8	0.0	999.9	47.1	39.
60.8	159.7	25215.6	25.0	-47.7	-99.9	93.2	0.6	-8.0	0.8	680.0	680.0	0.0	999.9	44.9	36.

0 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. 246  
STEPHENWILLE, TEXAS  
9 MAY 1979 GMT

TIME MIN	ENFT	HEIGHT CM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MAX WTD GM/KG	RM PCT	RANGE KM	AZ DEG
0.0	9.7	399.0	939.5	22.0	19.4	170.0	0.7	-1.2	0.0	279.5	330.0	15.0	01.0	0.0	0.
00.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.
00.0	99.0	99.0	973.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.
0.3	10.6	09.0	020.0	21.4	19.5	150.2	9.3	-2.1	0.4	270.9	330.0	15.2	09.0	0.3	332.
1.1	13.1	71.1	023.0	19.0	18.6	102.7	11.0	-2.6	11.1	299.2	330.1	14.0	04.0	0.7	330.
2.1	15.5	95.1	009.0	17.0	17.4	170.0	15.7	-0.9	15.6	300.0	337.4	14.1	00.0	1.5	343.
3.0	19.0	119.0	075.0	16.0	16.1	107.0	17.3	2.3	17.2	301.1	330.0	13.3	00.7	2.3	349.
4.5	23.1	142.2	050.0	15.0	15.4	100.0	16.7	6.0	16.0	301.9	330.0	12.3	00.4	3.1	350.
5.0	25.0	145.4	023.0	13.0	13.3	100.0	17.0	9.9	16.0	303.2	330.0	11.7	00.4	3.9	0.
6.7	29.1	220.1	000.0	11.3	11.3	200.0	14.0	7.4	12.0	303.2	315.7	0.2	1.0	5.5	10.
7.4	33.0	250.5	0.0	10.2	10.8	200.0	11.0	5.2	10.7	310.3	317.0	0.2	1.0	6.2	12.
8.0	33.0	273.3	725.0	10.2	10.2	197.3	12.9	3.0	12.3	317.2	317.0	0.2	1.0	7.0	13.
10.0	36.2	308.3	700.0	13.5	11.7	194.4	12.5	3.1	12.1	317.0	317.0	0.1	1.0	7.9	10.
11.2	30.0	339.3	075.0	10.7	10.7	192.0	13.5	2.0	12.2	317.0	310.0	0.1	1.0	8.0	13.
12.0	41.9	370.5	050.0	7.9	7.9	191.9	13.2	2.7	12.9	317.0	310.3	0.1	1.0	9.0	13.
13.0	61.7	420.6	025.0	4.0	4.0	191.1	14.3	3.2	13.9	310.0	310.3	0.1	1.0	10.7	13.
14.0	67.0	435.3	000.0	1.0	1.0	193.0	16.3	3.5	14.0	317.0	310.2	0.3	1.0	11.0	13.
16.1	53.0	460.5	575.0	1.7	1.7	191.1	14.0	2.9	14.5	310.0	310.2	0.3	1.0	12.0	13.
17.5	53.0	504.0	550.0	5.0	5.0	197.0	16.0	2.0	15.0	310.2	310.4	0.0	1.0	10.2	13.
18.9	55.0	541.7	525.0	8.0	8.0	180.0	18.2	2.0	17.0	310.3	310.4	0.0	1.0	15.0	12.
21.3	42.0	574.7	500.0	11.0	11.0	197.0	20.2	2.0	20.0	310.0	310.0	0.0	1.0	17.2	12.
21.4	63.4	6170.6	075.0	14.0	14.0	190.3	16.1	1.2	16.1	319.9	320.0	0.0	1.0	10.9	12.
23.4	66.7	6500.7	050.0	16.0	16.0	192.0	12.0	-1.6	12.7	322.0	320.0	0.0	1.0	20.2	11.
25.1	72.1	7013.0	025.0	17.0	17.0	193.3	12.2	0.7	12.1	320.1	320.2	0.0	1.0	21.4	10.
25.9	73.7	7467.0	000.0	19.0	19.0	212.2	13.7	7.3	11.6	329.1	320.2	0.0	1.0	22.0	10.
28.0	77.5	7942.5	375.0	24.0	24.0	220.1	16.2	11.6	11.2	329.9	320.9	0.0	1.0	23.9	12.
31.0	81.3	8441.1	350.0	29.0	29.0	231.1	5.9	13.3	10.0	330.1	330.1	0.0	1.0	25.3	14.
31.9	85.3	8940.0	325.0	33.0	33.0	220.7	13.2	9.9	0.7	330.0	330.9	0.0	1.0	20.5	16.
33.0	89.0	9520.0	300.0	37.0	37.0	225.9	12.1	0.7	0.4	330.0	331.0	0.0	1.0	27.7	10.
35.7	94.0	10113.5	275.0	43.1	43.1	220.3	13.3	0.6	0.2	332.0	099.0	0.0	0.0	20.9	10.
37.6	99.0	10752.0	250.0	48.5	48.5	220.0	14.7	11.0	0.0	332.0	099.0	0.0	0.0	20.9	10.
37.8	103.0	11430.7	225.0	50.2	50.2	230.0	15.0	12.0	0.0	333.0	099.0	0.0	0.0	30.6	21.
42.2	107.0	12102.0	200.0	59.2	59.2	237.3	19.0	10.5	10.0	339.0	099.0	0.0	0.0	32.2	22.
44.9	114.0	1322.7	175.0	61.2	61.2	231.7	23.2	10.2	10.0	350.0	099.0	0.0	0.0	30.3	25.
47.7	121.3	13900.4	150.0	61.2	61.2	231.2	23.4	10.2	10.0	350.0	099.0	0.0	0.0	37.0	27.
50.0	120.3	15113.0	125.0	63.7	63.7	222.5	25.0	17.2	10.0	370.7	099.0	0.0	0.0	41.0	30.
50.5	136.3	16000.4	100.0	63.1	63.1	222.7	24.0	16.7	10.1	005.0	099.0	0.0	0.0	45.3	31.
50.2	145.7	16200.6	75.0	61.3	61.3	194.5	15.0	3.9	10.1	004.5	099.0	0.0	0.0	51.3	33.
65.0	154.0	20770.9	50.0	55.0	55.0	132.3	7.7	-3.7	10.1	012.0	099.0	0.0	0.0	50.6	32.
77.0	107.0	25273.3	25.0	47.0	47.0	04.2	12.1	-12.1	-1.2	047.0	099.0	0.0	0.0	50.7	31.

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

103 15. 0



STATION NO. 200  
STEPHENSVILLE, TEXAS

9 MAY 1970  
2305 GMT

TIME MIN	CNTCY	WEIGHT GPM	PRES MB	TEMP DEG C	DEB PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MR STD CM/KG	RM PCT	RANGE KM	AZ DEG
00	90	390.0	976.0	23.0	19.6	100.0	7.2	-2.5	0.0	302.8	342.5	15.2	72.0	0.0	0.0
02	90	90.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
03	10.3	600.0	975.0	24.6	20.8	134.0	3.2	9.6	5.7	302.1	344.8	15.7	79.7	0.0	349.1
17	12.0	690.0	929.0	22.3	19.6	146.0	13.0	7.1	10.9	302.2	344.8	15.7	84.3	0.0	331.0
21	14.9	932.0	900.0	20.2	19.0	154.0	14.1	0.1	12.7	302.3	343.0	15.0	82.7	1.0	330.0
31	17.2	1175.0	975.0	19.2	17.5	167.0	13.0	-1.0	13.5	302.9	342.1	14.4	94.3	2.0	330.0
42	19.6	1420.0	950.0	16.0	16.0	177.0	13.0	-0.6	13.0	303.0	340.7	13.0	94.3	3.0	330.0
51	22.1	1670.0	825.0	15.5	14.1	181.0	12.9	0.6	12.9	303.5	339.5	12.7	93.4	4.0	303.0
63	24.6	1941.0	803.0	13.2	9.9	198.0	11.2	2.1	11.0	305.3	332.2	9.0	90.9	5.0	303.0
73	27.1	2211.0	775.0	20.1	-37.6	200.1	10.5	3.6	9.8	317.4	314.1	0.2	1.0	5.0	351.0
85	29.6	2492.0	790.0	18.9	-34.4	198.6	9.5	3.0	9.0	317.1	317.0	0.2	1.0	6.0	354.0
98	32.2	2781.0	725.0	16.0	-39.0	198.2	10.3	3.4	9.0	317.7	319.2	0.2	1.0	6.7	354.0
110	34.9	3171.0	700.0	13.0	-41.4	202.0	12.0	2.5	11.1	317.6	310.3	0.1	1.0	7.0	350.0
122	37.4	3301.0	675.0	11.1	-43.1	200.7	12.5	3.2	11.4	316.1	310.5	0.1	1.0	8.3	1.0
134	40.1	3600.0	650.0	8.5	-46.0	192.0	15.4	0.0	10.0	316.4	310.0	0.1	1.0	9.2	0.0
147	42.9	4010.1	625.0	5.4	-48.0	200.5	14.1	0.5	13.2	318.0	318.9	0.1	1.0	10.3	9.0
172	45.7	4347.4	600.0	2.3	-50.5	208.2	15.0	7.4	13.7	318.8	319.1	0.1	1.0	11.3	7.0
173	46.5	4698.0	575.0	-0.7	-54.4	212.0	15.0	6.5	13.2	319.2	319.0	0.1	1.0	12.5	9.0
184	51.4	5041.0	550.0	-4.1	-52.5	211.0	17.5	9.2	14.9	319.2	319.4	0.1	1.0	13.9	12.0
202	54.4	5455.0	525.0	-7.5	-50.7	213.0	16.6	5.2	10.0	319.0	318.7	0.0	1.0	17.3	10.0
214	57.5	5782.0	500.0	-11.0	-50.9	201.2	19.0	7.1	10.0	319.0	318.7	0.0	1.0	17.9	15.0
234	61.4	6175.0	475.0	-12.7	-58.0	201.5	18.0	6.6	10.0	322.2	322.4	0.0	1.0	18.9	15.0
241	64.0	6507.4	450.0	-13.3	-58.3	216.5	15.0	9.3	11.0	326.5	326.7	0.0	1.0	20.0	10.0
247	67.3	7019.3	425.0	-17.2	-60.0	225.0	15.1	10.0	10.5	326.1	326.2	0.0	1.0	21.7	10.0
292	77.7	8728.8	400.0	-20.7	-63.1	220.0	15.9	10.0	10.5	326.1	326.2	0.0	1.0	23.1	20.0
332	87.2	10443.3	375.0	-24.6	-65.7	220.0	17.0	13.2	11.0	329.0	329.1	0.0	1.0	24.0	22.0
319	87.4	8447.1	350.0	-24.9	-64.4	230.0	17.0	13.7	11.5	329.0	329.0	0.0	1.0	26.0	20.0
339	92.0	8047.0	325.0	-33.7	-71.6	232.3	16.0	13.3	10.3	330.3	330.3	0.0	1.0	26.1	20.0
346	93.8	9527.0	300.0	-39.4	-70.7	231.0	16.0	12.0	10.1	331.3	331.3	0.0	1.0	29.0	27.0
370	90.0	10112.0	275.0	-43.3	99.9	235.1	15.9	13.0	9.1	332.0	332.0	0.0	99.9	31.7	29.0
422	94.5	10724.5	250.0	-48.3	99.9	237.0	16.0	15.1	9.0	334.3	334.3	0.0	99.9	33.7	31.0
423	95.2	11431.5	225.0	-53.8	99.9	247.0	19.2	17.0	7.2	336.1	336.1	0.0	99.9	35.0	33.0
453	104.2	12100.5	200.0	-58.6	99.0	249.3	21.3	19.0	7.5	340.0	340.0	0.0	99.0	38.3	30.0
474	109.0	13010.2	175.0	-59.3	99.0	235.9	23.0	19.7	13.3	352.0	352.0	0.0	99.0	41.3	30.0
504	115.0	13975.0	150.0	-60.9	99.0	231.1	27.0	21.5	17.3	349.1	349.1	0.0	99.0	46.4	30.0
503	122.3	15022.5	125.0	-63.4	99.0	233.2	26.0	22.0	17.1	380.2	380.2	0.0	99.0	51.5	0.0
501	129.0	16405.0	100.0	-63.0	99.0	224.0	21.1	10.7	15.2	406.0	406.0	0.0	99.0	50.0	0.0
610	130.9	18224.3	75.0	-64.4	99.0	198.5	12.9	4.1	12.2	437.4	437.4	0.0	99.0	63.2	0.0
703	140.0	20730.3	50.0	-57.7	99.0	114.4	0.0	-0.0	2.7	407.6	407.6	0.0	99.0	65.0	0.0
817	141.0	25210.5	25.0	-64.0	99.0	099.9	99.0	99.0	99.0	406.6	406.6	0.0	99.0	61.0	37.0

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

STATION NO. 260  
STEPHENVILLE, TEXAS

10 MAY 1979  
205 GMT

147 23. 0

TIME MIN	CNTCT	SLIGHT GPM	PRES MB	TEMP CG C	DEW PT CG C	DIR DU	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	T K	F OUT Y DC K	MX RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.9	359.0	977.2	23.0	21.3	140.0	8.2	-5.3	6.3	319	346.4	18.9	90.0	0.0	0.
00.9	9.9	99.9	1033.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.3	0.9	94.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.3	1.5	455.3	923.0	22.9	21.4	145.7	15.0	-8.5	12.4	300.4	345.7	17.2	91.3	0.4	31.9
7.9	1.9	557.2	923.0	21.1	20.5	146.6	15.2	-8.4	12.7	300.9	344.9	16.6	96.1	2.4	32.3
1.7	1.0	935.7	923.0	19.4	19.8	154.6	16.3	-7.0	14.7	301.6	342.6	15.4	96.3	1.5	32.5
2.5	2.3	1179.2	923.0	19.5	19.8	161.1	16.5	-5.3	15.6	311.0	342.9	14.8	95.4	2.9	31.1
3.5	2.5	1621.3	923.0	17.2	16.3	166.9	16.4	-3.7	15.9	311.1	341.6	13.9	94.4	3.3	33.4
4.5	2.9	1693.4	923.0	15.6	14.4	171.7	15.2	-2.2	15.0	305.1	333.6	12.7	92.5	4.1	33.8
5.4	2.7	1465.4	923.0	14.6	8.0	187.6	10.7	1.4	13.1	306.8	334.2	10.0	78.3	4.9	34.0
6.5	2.5	2115.0	923.0	14.6	-37.6	212.0	7.7	3.6	5.7	315.5	316.2	8.2	1.0	5.2	34.4
7.5	3.0	2177.0	923.0	20.2	-38.6	195.0	7.3	1.9	7.0	317.0	317.7	8.2	1.0	5.5	34.7
8.7	3.5	2177.0	923.0	19.4	-38.6	189.2	8.6	1.3	8.3	318.0	318.6	8.2	1.0	6.0	34.9
9.5	3.9	3093.4	923.0	14.9	-43.9	187.1	11.6	1.4	11.5	318.9	319.5	8.2	1.0	6.5	35.0
10.7	3.8	3157.3	923.0	12.4	-42.3	191.3	12.4	2.4	12.2	319.6	320.1	8.1	1.0	7.3	35.2
11.3	4.0	3733.0	923.0	9.2	-48.3	193.9	13.8	2.6	13.5	319.3	319.7	8.1	1.0	8.1	35.4
11.9	4.0	4325.4	923.0	6.0	-48.2	193.7	15.1	3.6	14.7	319.4	319.7	8.1	1.0	9.1	35.6
14.1	4.1	4357.0	923.0	2.7	-49.3	194.6	15.1	4.8	14.3	319.2	319.5	8.1	1.0	10.1	35.8
14.4	5.0	4794.0	923.0	-3.4	-50.2	197.5	17.4	5.2	16.6	319.5	319.7	8.1	1.0	11.2	36.
16.5	5.2	5522.4	923.0	-3.7	-52.4	196.2	19.2	5.4	19.4	319.5	319.7	8.1	1.0	12.4	36.
17.7	5.7	5417.2	923.0	-7.0	-54.5	195.2	18.3	4.8	17.7	320.1	320.2	8.0	1.0	13.7	36.
18.1	5.8	5745.4	923.0	-10.3	-56.2	194.3	17.8	3.5	17.4	320.3	321.1	8.0	1.0	15.2	36.
20.3	6.1	6194.6	923.0	-11.5	-57.2	202.6	14.9	5.7	14.8	323.8	323.9	8.0	1.0	16.4	36.
21.3	6.0	6322.7	923.0	-13.4	-58.4	215.7	14.5	8.5	11.8	326.4	326.5	8.0	1.0	17.6	36.
23.5	6.7	7334.4	923.0	-17.0	-60.7	214.2	12.7	7.1	10.5	327.2	327.3	8.0	1.0	18.8	36.
25.4	71.0	7445.9	923.0	-20.5	-62.9	220.4	13.8	6.9	10.5	329.4	328.5	8.0	1.0	20.0	36.
27.2	74.4	7953.9	923.0	-24.2	-65.4	226.6	15.3	11.1	10.5	329.5	329.6	8.0	1.0	21.3	36.
29.3	77.9	8457.2	923.0	-24.3	-64.1	224.9	16.6	12.1	11.4	330.6	330.6	8.0	1.0	22.9	36.
31.1	81.6	9045.9	923.0	-32.9	-71.1	226.4	17.2	12.4	11.8	331.4	331.4	8.0	1.0	24.6	36.
32.3	84.9	9745.9	923.0	-37.6	-74.8	232.5	16.4	13.0	10.0	332.1	332.1	8.0	1.0	24.4	36.
35.3	89.3	10187.3	923.0	-42.6	-78.9	238.0	18.9	16.0	10.0	333.6	333.6	8.0	1.0	28.3	36.
37.5	93.4	10723.5	923.0	-49.0	-90.9	243.1	17.6	15.7	8.0	334.9	334.9	8.0	1.0	30.3	36.
40.1	97.8	11554.9	923.0	-53.6	-99.9	244.7	17.4	15.7	7.4	335.4	335.4	8.0	1.0	32.6	36.
41.2	102.4	12337.6	923.0	-59.3	-99.9	249.1	18.3	17.1	6.5	339.9	339.9	8.0	1.0	34.9	36.
46.3	107.4	13381.2	923.0	-59.7	-99.9	248.9	24.6	21.0	12.7	351.5	351.5	8.0	1.0	38.2	36.
49.5	113.3	14331.7	923.0	-61.0	-99.9	238.2	26.0	21.1	15.2	365.1	365.1	8.0	1.0	43.1	36.
53.4	119.5	15124.5	923.0	-63.5	-99.9	229.8	24.9	18.7	16.4	380.0	380.0	8.0	1.0	46.9	36.
57.4	126.5	16493.5	923.0	-63.9	-99.9	228.8	18.7	14.6	14.6	404.3	404.3	8.0	1.0	55.1	40.
63.2	134.7	17421.9	923.0	-67.8	-99.9	200.0	11.3	3.9	10.6	430.9	430.9	8.0	1.0	59.5	40.
70.5	144.7	20744.5	923.0	-60.2	-99.9	125.2	6.5	-5.3	3.8	501.7	501.7	8.0	1.0	62.1	38.
83.0	157.0	25161.5	923.0	-49.7	-99.9	99.9	99.9	99.9	99.9	644.7	644.7	99.9	99.9	99.9	99.9

\* 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. 240  
STEPHENVILLE, TEXAS

10 MAY 1979  
005 GMT

TIME MIN	CMIXT	WEIGHT 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	RI RTO CM/SEC	RM PCT	RANGE KM	AZ DG
01.0	11.5	309.0	957.4	22.1	21.1	180.0	6.7	0.0	0.7	299.0	342.0	10.7	90.0	0.0	0.
02.0	09.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
03.0	09.0	99.0	978.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
04.0	12.1	466.0	950.0	21.7	20.6	174.0	10.1	-1.4	10.0	299.2	342.7	10.6	95.1	0.3	354.
05.0	14.5	698.0	925.0	20.2	19.6	176.0	10.0	-1.1	10.0	300.0	341.6	10.8	96.3	0.0	355.
06.0	15.0	935.0	905.0	18.0	16.2	181.0	21.0	0.5	21.5	300.9	340.2	10.8	96.1	1.7	357.
07.0	15.4	1170.2	875.0	17.2	16.5	183.0	25.2	1.5	25.2	301.7	338.2	10.4	95.4	3.1	360.
08.0	21.4	1425.0	850.0	17.0	7.2	193.0	20.3	4.6	19.7	304.0	325.6	7.0	55.0	4.3	1.
09.0	24.3	1802.2	825.0	22.3	-36.6	210.7	17.0	9.1	15.3	312.1	312.0	0.2	1.0	5.2	5.
10.0	25.9	1947.0	800.0	21.2	-37.0	214.4	17.1	9.7	15.2	313.7	314.4	0.2	1.0	6.0	9.
11.0	27.3	2221.2	775.0	20.1	-37.7	224.4	13.9	9.7	9.9	315.4	316.1	0.2	1.0	6.7	13.
12.0	32.0	2501.4	750.0	17.9	-39.0	230.6	13.4	10.4	0.5	316.0	316.7	0.2	1.0	7.4	16.
13.0	34.7	2780.5	725.0	15.2	-40.6	233.5	13.4	10.0	0.3	316.1	316.6	0.1	1.0	8.0	20.
14.0	37.3	3084.6	700.0	12.5	-42.3	230.1	14.9	11.4	9.5	316.3	316.0	0.1	1.0	8.8	23.
15.0	40.0	3387.1	675.0	9.8	-43.9	237.2	13.6	11.4	7.3	316.6	317.1	0.1	1.0	9.6	26.
16.0	42.8	3698.7	650.0	7.0	-45.6	237.8	14.9	12.6	0.0	316.9	317.3	0.1	1.0	10.4	28.
17.0	45.7	4019.0	625.0	4.1	-47.4	235.3	14.0	11.5	0.0	317.1	317.4	0.1	1.0	11.3	31.
18.0	48.0	4348.6	600.0	1.0	-49.4	239.5	14.9	11.1	0.5	317.3	317.9	0.1	1.0	12.1	33.
19.0	51.5	4694.1	575.0	-2.0	-51.2	247.3	12.3	11.3	0.7	317.7	317.9	0.1	1.0	12.9	35.
20.0	54.5	5034.0	550.0	-4.2	-52.6	246.3	12.3	11.3	0.9	318.1	319.3	0.1	1.0	13.6	37.
21.0	57.5	5384.0	525.0	-6.2	-53.9	234.7	12.4	10.3	7.3	321.8	321.2	0.0	1.0	14.5	38.
22.0	60.6	5784.4	500.0	-9.2	-55.7	224.4	11.7	8.2	0.3	321.8	322.0	0.0	1.0	15.4	39.
23.0	63.7	6179.0	475.0	-11.3	-57.1	218.2	13.2	7.4	10.9	320.0	324.1	0.0	1.0	16.5	39.
24.0	67.3	6591.4	450.0	-14.3	-59.0	210.8	9.5	7.4	12.4	325.3	325.4	0.0	1.0	17.7	38.
25.0	70.7	7024.9	425.0	-17.9	-61.3	209.7	14.7	7.3	12.7	326.1	326.2	0.0	1.0	19.1	38.
26.0	74.1	7472.4	400.0	-21.0	-63.3	211.9	15.7	8.3	13.3	327.6	327.7	0.0	1.0	20.6	37.
27.0	77.7	7945.8	375.0	-24.7	-65.7	204.8	15.7	8.2	13.3	328.9	329.0	0.0	1.0	22.1	37.
28.0	81.7	8443.6	350.0	-28.0	-68.4	208.5	13.9	6.6	12.2	330.0	330.0	0.0	1.0	23.7	36.
29.0	85.7	8967.3	325.0	-33.3	-71.3	210.9	13.3	8.0	10.6	330.8	330.8	0.0	1.0	25.3	36.
30.0	89.8	9526.2	300.0	-37.6	-74.2	210.0	14.1	8.8	11.0	335.4	332.4	0.0	1.0	26.9	34.
31.0	94.2	10120.6	275.0	-42.1	-79.9	223.2	13.2	9.0	9.6	334.2	332.4	0.0	99.0	28.0	34.
32.0	98.6	10758.0	250.0	-47.6	-86.9	225.8	13.6	9.7	9.5	335.3	330.9	0.0	99.0	30.3	37.
33.0	103.7	11444.0	225.0	-53.7	-94.9	225.0	15.2	10.7	10.7	336.7	330.9	0.0	99.0	32.3	37.
34.0	109.0	12193.2	200.0	-59.0	-99.9	227.7	10.7	12.3	11.2	339.3	330.9	0.0	99.0	34.8	38.
35.0	115.0	13019.6	175.0	-62.9	-99.9	237.8	19.5	16.5	16.4	340.1	330.9	0.0	99.0	37.7	39.
36.0	121.3	13945.2	150.0	-61.9	-99.9	234.3	24.5	23.2	18.7	343.9	330.9	0.0	99.0	41.9	41.
37.0	128.3	15092.2	125.0	-62.6	-99.9	232.2	27.8	21.0	18.9	341.6	330.9	0.0	99.0	48.7	43.
38.0	136.3	16454.3	100.0	-68.1	-99.9	222.5	22.2	15.9	18.4	346.3	330.9	0.0	99.0	55.0	43.
39.0	145.5	18174.7	75.0	-63.9	-99.9	183.8	10.6	1.0	10.6	439.0	330.9	0.0	99.0	61.5	43.
40.0	155.7	20691.9	50.0	-59.2	-99.9	103.7	6.6	-6.5	1.6	504.2	330.9	0.0	99.0	61.9	41.
41.0	168.3	23155.0	25.0	-48.5	-99.9	57.2	9.8	-8.2	-8.3	648.0	330.9	0.0	99.0	57.0	38.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 260  
STEPHENVILLE, TEXAS

10 MAY 1979  
1100 GMT

TIME MIN	CHYF	PKT KHZ	PRIS MB	TEMP DG C	DLG DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	V COMP M/SEC	POT T DG K	POT T DG K	MR STG GM/TS	RM PCT	RANGE KM	AZ DG
0.0	10.0	399.0	940.7	22.2	21.5	290.0	3.1	0.0	1.7	290.0	290.0	17.1	99.0	108	29.0
00.0	00.0	99.0	1000.0	00.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00.2	11.0	097.1	950.0	22.0	21.3	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
00.8	13.0	730.1	925.1	21.3	20.3	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
1.5	15.0	900.0	900.0	20.6	18.0	210.0	11.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
2.2	17.0	1212.0	870.0	18.0	17.0	210.0	12.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
2.8	20.0	1401.0	850.0	16.0	15.0	210.0	11.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
3.9	22.0	1715.0	820.0	14.0	14.0	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
4.6	25.0	1770.0	800.0	13.5	13.2	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
5.0	27.0	2200.0	770.0	12.7	11.9	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
7.2	30.0	2310.0	750.0	9.0	9.0	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
8.2	32.0	2800.0	720.0	8.0	8.1	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
10.3	35.0	3090.0	700.0	8.1	-9.0	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
11.0	37.0	3390.0	670.0	7.2	-45.0	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
12.0	40.0	3690.0	650.0	5.7	-46.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
14.2	43.0	4170.0	620.0	3.0	-48.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
15.3	45.0	4360.0	600.0	0.7	-49.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
16.5	48.0	4680.0	570.0	-2.0	-51.0	210.0	11.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
17.6	51.0	5030.0	550.0	-0.0	-53.0	210.0	11.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
18.9	54.0	5400.0	520.0	-0.2	-55.0	210.0	11.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
20.0	57.0	5770.0	500.0	-0.0	-56.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
21.6	60.0	6170.0	470.0	-13.0	-58.0	190.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
23.3	63.0	6580.0	450.0	-13.0	-58.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
25.0	67.0	7010.0	420.0	-19.0	-60.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
27.2	70.0	7460.0	400.0	-19.0	-62.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
29.5	73.0	7940.0	370.0	-23.0	-64.0	200.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
31.0	75.0	8460.0	350.0	-27.0	-67.0	210.0	13.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
33.0	81.0	8970.0	320.0	-32.0	-70.0	220.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
35.0	85.0	9520.0	300.0	-37.0	-73.0	220.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
36.0	90.0	10120.0	270.0	-41.0	-76.0	220.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
38.0	94.0	10760.0	250.0	-47.0	-79.0	220.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
41.2	99.0	11450.0	220.0	-53.0	-83.0	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
44.0	103.0	12200.0	200.0	-59.0	-87.0	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
46.7	109.0	13020.0	170.0	-62.0	-90.0	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
49.0	115.0	13980.0	150.0	-60.0	-88.0	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
51.7	121.0	15110.0	120.0	-63.0	-91.0	230.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
54.0	128.0	16370.0	100.0	-67.0	-95.0	210.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
63.0	140.0	18200.0	70.0	-63.0	-93.0	180.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
70.0	150.0	20300.0	50.0	-63.0	-93.0	90.0	10.0	0.0	3.0	300.0	300.0	17.1	99.0	108	29.0
90.0	90.0	90.0	20.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

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

STATION NO. DC1  
DEL RIO, TEXAS  
9 MAY 1970  
1155 GMT

TIME MIN	CNTCY	WEIGHT GPM	PRES MB	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT P DC H	E POT F DC K	WZ WFO GM/SEC	UM PCT	RANGE KM	AZ DG
00	907	3040	900.1	22.2	21.9	140.0	7.2	-0.0	9.5	299.3	303.7	17.4	90.0	0.0	0
00.9	90.9	3000	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	90.9	999.9	999.9	999.9
01.9	90.9	90.9	90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	90.9	999.9	999.9	999.9
02.9	11.2	430.5	950.0	21.7	21.3	144.0	12.6	-7.0	10.7	299.2	344.0	17.1	97.6	0.3	325
1.0	13.3	932.9	975.0	20.4	20.0	150.4	13.3	-0.4	11.5	308.2	342.9	17.1	97.6	0.3	325
2.0	16.9	982.3	980.0	19.7	19.1	154.0	12.7	-0.4	11.5	301.0	343.6	15.7	98.1	1.5	330
3.0	18.4	1173.6	975.0	18.4	16.2	160.3	12.7	-2.0	12.4	302.9	339.0	13.4	97.6	2.1	333
4.0	20.9	1422.5	950.0	17.3	15.0	160.0	12.7	2.1	12.7	304.0	338.8	12.7	98.3	2.8	338
5.0	23.4	1677.3	925.0	16.1	13.9	161.6	12.8	6.3	12.6	305.6	339.1	12.3	97.2	3.3	343
6.0	26.4	1909.0	800.0	15.0	12.9	166.4	12.3	6.1	12.3	307.1	339.6	11.0	97.3	6.0	348
7.0	29.4	2167.4	775.0	13.7	-16.4	166.0	12.2	1.4	12.1	308.6	319.6	11.4	11.4	6.7	348
8.0	32.4	2405.3	750.0	12.0	-37.9	198.0	11.3	3.0	10.7	319.1	315.0	9.2	1.4	5.4	351
9.0	35.4	2669.4	725.0	10.4	-60.5	212.2	10.1	5.4	9.6	319.3	-16.0	9.2	1.0	5.0	356
10.0	38.9	2922.7	700.0	8.6	-83.6	221.3	11.0	7.3	8.3	317.6	318.1	8.1	1.0	5.0	356
11.0	41.9	3172.0	675.0	6.9	-106.0	231.6	11.0	8.6	8.9	316.3	318.0	8.1	1.0	6.7	360
12.0	44.9	3422.0	650.0	5.2	-129.0	236.8	11.0	8.6	8.6	316.9	318.4	8.1	1.0	7.1	364
13.0	47.9	3672.0	625.0	3.5	-152.0	245.6	10.1	8.4	8.9	317.9	319.3	8.1	1.0	7.6	368
14.0	50.9	3922.0	600.0	1.8	-175.0	250.0	9.0	8.4	8.0	317.9	318.2	8.1	1.0	8.1	372
15.0	53.9	4172.0	575.0	0.1	-198.0	250.0	8.0	8.4	8.0	318.1	318.3	8.1	1.0	8.6	376
16.0	56.9	4422.0	550.0	-1.6	-221.0	249.6	10.1	8.7	9.1	318.6	319.0	6.8	1.0	9.1	380
17.0	59.9	4672.0	525.0	-3.2	-244.0	238.2	9.4	8.0	9.6	320.0	320.2	6.8	1.0	9.6	384
18.0	62.9	4922.0	500.0	-4.8	-267.0	240.3	7.4	6.4	9.7	321.3	321.5	6.8	1.0	10.2	388
19.0	65.9	5172.0	475.0	-6.4	-290.0	240.3	6.2	3.5	9.6	323.0	323.2	6.8	1.0	10.7	392
20.0	68.9	5422.0	450.0	-8.0	-313.0	236.3	3.0	2.5	1.7	323.6	323.7	6.8	1.0	11.2	396
21.0	71.9	5672.0	425.0	-9.6	-336.0	236.3	0.1	3.7	1.7	325.3	325.4	6.8	1.0	11.7	400
22.0	74.9	5922.0	400.0	-11.2	-359.0	231.4	5.6	5.0	3.3	327.1	327.2	6.8	1.0	12.2	404
23.0	77.9	6172.0	375.0	-12.8	-382.0	229.9	7.3	6.3	3.3	328.5	328.5	6.8	1.0	12.7	408
24.0	80.9	6422.0	350.0	-14.4	-405.0	228.0	7.7	6.6	4.1	329.9	329.4	6.8	1.0	13.2	412
25.0	83.9	6672.0	325.0	-16.0	-428.0	226.7	6.6	7.0	2.9	330.6	330.6	6.8	1.0	13.7	416
26.0	86.9	6922.0	300.0	-17.6	-451.0	225.3	6.3	7.0	2.9	331.7	331.7	6.8	1.0	14.2	420
27.0	89.9	7172.0	275.0	-19.2	-474.0	224.0	6.0	7.0	2.9	332.3	332.3	6.8	1.0	14.7	424
28.0	92.9	7422.0	250.0	-20.8	-497.0	222.6	6.0	7.0	2.9	333.0	333.0	6.8	1.0	15.2	428
29.0	95.9	7672.0	225.0	-22.4	-520.0	221.3	6.0	6.6	2.9	333.6	333.6	6.8	1.0	15.7	432
30.0	98.9	7922.0	200.0	-24.0	-543.0	220.0	6.0	6.6	2.9	334.2	334.2	6.8	1.0	16.2	436
31.0	101.9	8172.0	175.0	-25.6	-566.0	218.7	6.0	6.6	2.9	334.8	334.8	6.8	1.0	16.7	440
32.0	104.9	8422.0	150.0	-27.2	-589.0	217.4	6.0	6.6	2.9	335.4	335.4	6.8	1.0	17.2	444
33.0	107.9	8672.0	125.0	-28.8	-612.0	216.1	6.0	6.6	2.9	336.0	336.0	6.8	1.0	17.7	448
34.0	110.9	8922.0	100.0	-30.4	-635.0	214.8	6.0	6.6	2.9	336.6	336.6	6.8	1.0	18.2	452
35.0	113.9	9172.0	75.0	-32.0	-658.0	213.5	6.0	6.6	2.9	337.2	337.2	6.8	1.0	18.7	456
36.0	116.9	9422.0	50.0	-33.6	-681.0	212.2	6.0	6.6	2.9	337.8	337.8	6.8	1.0	19.2	460
37.0	119.9	9672.0	25.0	-35.2	-704.0	210.9	6.0	6.6	2.9	338.4	338.4	6.8	1.0	19.7	464
38.0	122.9	9922.0	0.0	-36.8	-727.0	209.6	6.0	6.6	2.9	339.0	339.0	6.8	1.0	20.2	468
39.0	125.9	10172.0	0.0	-38.4	-750.0	208.3	6.0	6.6	2.9	339.6	339.6	6.8	1.0	20.7	472
40.0	128.9	10422.0	0.0	-40.0	-773.0	207.0	6.0	6.6	2.9	340.2	340.2	6.8	1.0	21.2	476
41.0	131.9	10672.0	0.0	-41.6	-796.0	205.7	6.0	6.6	2.9	340.8	340.8	6.8	1.0	21.7	480
42.0	134.9	10922.0	0.0	-43.2	-819.0	204.4	6.0	6.6	2.9	341.4	341.4	6.8	1.0	22.2	484
43.0	137.9	11172.0	0.0	-44.8	-842.0	203.1	6.0	6.6	2.9	342.0	342.0	6.8	1.0	22.7	488
44.0	140.9	11422.0	0.0	-46.4	-865.0	201.8	6.0	6.6	2.9	342.6	342.6	6.8	1.0	23.2	492
45.0	143.9	11672.0	0.0	-48.0	-888.0	200.5	6.0	6.6	2.9	343.2	343.2	6.8	1.0	23.7	496
46.0	146.9	11922.0	0.0	-49.6	-911.0	199.2	6.0	6.6	2.9	343.8	343.8	6.8	1.0	24.2	500
47.0	149.9	12172.0	0.0	-51.2	-934.0	197.9	6.0	6.6	2.9	344.4	344.4	6.8	1.0	24.7	504
48.0	152.9	12422.0	0.0	-52.8	-957.0	196.6	6.0	6.6	2.9	345.0	345.0	6.8	1.0	25.2	508
49.0	155.9	12672.0	0.0	-54.4	-980.0	195.3	6.0	6.6	2.9	345.6	345.6	6.8	1.0	25.7	512
50.0	158.9	12922.0	0.0	-56.0	-1003.0	194.0	6.0	6.6	2.9	346.2	346.2	6.8	1.0	26.2	516
51.0	161.9	13172.0	0.0	-57.6	-1026.0	192.7	6.0	6.6	2.9	346.8	346.8	6.8	1.0	26.7	520
52.0	164.9	13422.0	0.0	-59.2	-1049.0	191.4	6.0	6.6	2.9	347.4	347.4	6.8	1.0	27.2	524
53.0	167.9	13672.0	0.0	-60.8	-1072.0	190.1	6.0	6.6	2.9	348.0	348.0	6.8	1.0	27.7	528
54.0	170.9	13922.0	0.0	-62.4	-1095.0	188.8	6.0	6.6	2.9	348.6	348.6	6.8	1.0	28.2	532
55.0	173.9	14172.0	0.0	-64.0	-1118.0	187.5	6.0	6.6	2.9	349.2	349.2	6.8	1.0	28.7	536
56.0	176.9	14422.0	0.0	-65.6	-1141.0	186.2	6.0	6.6	2.9	349.8	349.8	6.8	1.0	29.2	540
57.0	179.9	14672.0	0.0	-67.2	-1164.0	184.9	6.0	6.6	2.9	350.4	350.4	6.8	1.0	29.7	544
58.0	182.9	14922.0	0.0	-68.8	-1187.0	183.6	6.0	6.6	2.9	351.0	351.0	6.8	1.0	30.2	548
59.0	185.9	15172.0	0.0	-70.4	-1210.0	182.3	6.0	6.6	2.9	351.6	351.6	6.8	1.0	30.7	552
60.0	188.9	15422.0	0.0	-72.0	-1233.0	181.0	6.0	6.6	2.9	352.2	352.2	6.8	1.0	31.2	556

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



STATION NO. 261  
DEL RIO, TEXAS

9 MAY 1979  
1705 GMT

164 13. 0

TIME MIN	CMTCF	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 I DG K	E POT F DG K	MR STD GM/KC	RM PCT	RANGE KM	AZ DG
2:02	9:9	316.0	966.3	26.4	22.7	130.0	7.2	-5.5	4.6	302.5	351.0	16.3	80.0	0.0	0.
9:0	99.9	1020.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9:0	94.0	90.9	975.0	99.9	99.9	97.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0:5	11.6	666.5	950.0	26.7	23.3	145.9	0.1	-6.5	0.7	302.3	353.5	16.3	91.6	0.3	320.
1:7	13.9	670.6	925.0	22.0	21.5	149.8	9.4	-4.7	0.1	301.8	349.0	17.8	97.3	0.6	323.
1:9	16.8	317.1	900.0	20.4	19.6	156.9	10.6	-6.2	9.7	302.6	365.8	16.2	95.2	1.0	327.
1:5	18.8	113.1	675.0	19.4	17.9	167.3	9.2	-2.8	9.0	303.9	366.2	15.6	91.2	1.5	332.
3:4	21.3	1431.1	650.0	18.1	15.2	178.5	8.8	-0.2	8.0	303.1	368.3	12.9	83.0	1.9	336.
4:4	23.9	1677.2	620.0	16.0	0.0	214.5	7.2	4.1	6.0	307.7	370.6	8.3	52.1	2.3	342.
5:4	26.5	1913.2	600.0	21.1	-13.9	240.2	7.5	6.5	3.7	313.7	318.9	1.7	6.4	2.4	352.
6:4	24.1	2215.6	775.0	20.1	-16.3	248.7	9.0	8.3	3.6	315.4	320.0	1.6	7.5	2.6	3.
7:5	31.9	2537.5	750.0	17.7	-15.9	225.3	9.0	6.4	6.3	315.8	320.5	1.5	5.8	3.0	13.
8:6	34.5	2798.6	725.0	15.9	-16.6	207.6	11.0	5.1	9.7	316.9	322.3	1.7	10.9	3.6	16.
9:4	37.2	3070.9	700.0	13.4	-13.8	199.9	12.7	4.3	12.0	317.4	323.3	1.9	13.6	4.3	17.
10:7	40.2	3324.0	675.0	10.7	-17.0	199.7	12.6	4.1	12.2	317.7	322.2	1.7	11.7	5.1	18.
11:9	42.2	3709.5	650.0	8.1	-19.6	177.9	11.7	3.6	11.2	318.2	322.2	1.2	12.0	5.9	18.
13:3	44.3	4237.4	625.0	5.5	-21.6	162.1	12.5	2.7	12.2	318.7	322.3	1.1	11.8	6.8	17.
14:3	44.9	4517.3	600.0	2.3	-23.6	198.5	13.8	4.1	12.6	318.8	322.0	0.9	12.6	7.8	17.
17:4	51.9	4732.9	575.0	-0.7	-25.8	199.3	13.2	4.4	12.4	319.2	321.9	0.8	12.8	8.7	17.
17:4	51.0	5257.4	550.0	-6.3	-26.8	202.0	11.9	4.5	11.0	319.0	321.6	0.8	15.2	9.7	18.
17:1	50.1	5417.9	525.0	-7.4	-27.3	204.9	9.8	4.1	9.9	319.5	321.7	0.6	15.3	10.5	18.
17:3	61.3	5737.7	500.0	-10.5	-34.3	185.8	8.2	0.8	8.1	320.3	321.7	0.4	11.9	11.3	18.
20:7	64.6	6191.4	475.0	-11.3	-36.6	182.4	6.0	0.3	6.0	320.3	325.3	0.3	10.0	11.8	17.
2:2	64.6	6624.3	450.0	-14.3	-40.2	210.3	9.8	2.9	5.0	320.2	326.2	0.3	9.0	12.2	17.
3:4	71.6	7235.7	425.0	-16.8	-41.8	218.5	9.2	5.7	7.2	327.4	329.2	0.2	9.3	12.9	18.
21:6	75.1	7493.3	400.0	-19.9	-44.5	228.4	12.2	9.1	8.1	329.4	329.8	0.2	9.1	13.9	20.
27:1	79.0	7963.0	375.0	-24.2	-47.6	231.4	12.7	9.9	7.9	329.6	331.1	0.1	9.4	14.9	23.
27:9	82.9	8461.4	350.0	-26.9	-49.0	234.6	11.9	9.7	6.9	329.6	331.3	0.1	12.2	16.1	25.
3:7	84.5	8907.4	325.0	-33.3	-52.3	242.2	11.0	9.7	5.1	330.8	331.2	0.1	12.7	17.1	27.
32:7	91.2	9544.5	300.0	-37.8	-55.7	241.4	12.8	11.2	6.1	332.1	332.6	0.1	13.2	18.2	30.
34:4	93.5	10134.3	275.0	-42.4	-59.9	238.2	13.6	11.0	6.0	333.8	333.6	0.1	999.9	19.9	32.
34:9	103.2	10775.0	250.0	-47.9	-64.9	239.5	14.6	12.6	7.4	334.9	937.9	99.9	999.9	21.3	36.
34:9	105.2	11467.7	225.0	-54.0	-69.7	246.7	14.8	13.6	5.9	335.9	997.9	99.9	997.9	23.0	36.
31:5	113.5	12204.0	200.0	-58.4	-69.9	241.1	20.0	17.5	9.7	340.4	957.9	99.9	997.9	25.2	39.
44:5	116.4	13052.1	175.0	-57.3	-69.9	237.5	27.0	22.8	18.5	353.4	999.9	99.9	997.9	26.4	42.
47:7	122.7	14151.7	150.0	-61.1	-69.9	235.1	28.6	23.4	18.4	368.9	999.9	99.9	997.9	28.7	44.
51:4	124.7	15143.2	125.0	-63.2	-69.9	226.7	27.0	20.1	19.0	380.6	999.9	99.9	997.9	40.9	45.
55:4	137.7	16504.4	100.0	-66.4	-69.9	228.1	25.9	19.3	17.3	398.4	999.9	99.9	997.9	48.1	45.
61:1	146.7	18262.5	75.0	-63.6	-69.9	199.2	13.4	4.4	12.6	438.7	999.9	99.9	997.9	54.3	44.
64:6	150.7	20741.2	50.0	-56.0	-69.9	143.8	7.7	-4.6	6.2	451.7	999.9	99.9	997.9	56.6	42.
61:0	167.3	25291.0	25.0	-47.0	-69.9	99.9	99.9	99.9	99.9	650.1	999.9	99.9	997.9	53.3	36.

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

STATION NO. 261  
 DEL RIO, TEXAS  
 9 MAY 1979  
 2005 GMT

TIME MIN	CNTCT	HEIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	WX RIO CM/KG	RH PCT	RANGE KM	AZ DG
300	170	314.7	943.7	31.1	21.7	130.0	7.7	-5.9	8.3	307.5	352.4	16.5	55.0	0.0	0
305	99.9	97.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
310	99.9	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
315	11.5	482.3	950.0	28.6	20.1	141.4	10.7	-6.6	8.4	306.2	349.1	19.8	60.1	0.4	324
320	13.4	574.1	925.0	25.5	19.0	141.4	11.1	-6.9	8.6	305.4	346.0	18.2	63.1	0.9	324
325	14.2	414.5	933.0	23.9	17.4	136.4	9.6	-6.3	7.1	306.2	345.7	16.5	69.1	1.5	322
330	14.7	1106.0	975.0	21.9	16.7	139.9	8.0	-5.7	6.7	306.5	344.2	13.0	72.4	2.0	321
335	4.1	1417.6	850.0	20.1	15.2	157.8	7.4	-2.8	6.9	307.2	342.6	12.9	73.5	2.5	322
340	21.7	1675.1	825.0	19.2	9.7	195.4	5.9	1.7	5.7	308.6	333.3	7.7	51.1	2.7	325
345	26.2	1943.6	800.0	21.2	-0.9	230.6	7.5	5.8	6.8	313.7	327.2	4.5	22.9	2.8	332
350	29.4	2214.5	775.0	20.1	-9.6	229.7	10.5	8.0	6.6	315.4	323.3	2.6	13.6	3.0	344
355	31.1	2405.6	750.0	18.0	-7.7	217.4	10.7	6.5	6.5	316.2	323.6	2.4	14.1	3.4	354
400	31.0	2733.4	725.0	18.7	-11.6	208.9	10.4	5.0	9.1	316.7	323.4	2.1	13.8	3.9	0
405	30.7	3053.1	700.0	13.7	-13.6	204.1	10.3	4.9	9.1	317.6	323.7	1.9	13.7	4.5	4
410	34.4	3384.7	675.0	11.3	-16.1	212.2	10.5	5.6	8.9	318.3	323.5	1.6	13.0	5.1	7
415	4.1	3693.2	650.0	8.8	-19.2	208.4	11.3	5.0	10.1	318.9	323.1	1.3	11.8	5.8	10
420	4.1	4021.4	625.0	6.0	-21.1	199.0	11.2	3.6	10.6	319.4	323.1	1.1	12.1	6.5	12
425	4.7	4324.9	600.0	2.8	-23.3	15.1	11.3	2.2	11.1	319.5	322.7	1.0	12.4	7.3	12
430	5.9	4594.1	575.0	-0.4	-23.7	165.4	11.4	1.1	11.3	319.5	322.8	1.0	15.2	8.1	12
435	5.9	4934.3	550.0	-3.8	-26.5	188.5	10.9	1.6	10.8	319.6	322.2	0.8	15.2	8.9	11
440	5.9	5412.7	525.0	-7.0	-29.9	199.6	8.8	3.3	9.2	320.1	322.1	0.6	14.0	9.9	11
445	5.1	5794.3	500.0	-7.2	-32.7	219.8	8.7	5.6	8.7	324.3	326.0	0.5	10.6	10.5	12
450	6.3	6121.3	475.0	-10.2	-36.9	227.5	10.2	7.5	6.9	325.3	326.8	0.4	11.1	11.1	15
455	6.6	6455.4	450.0	-13.3	-37.3	226.8	11.0	9.0	7.5	326.5	327.7	0.3	11.1	11.9	17
460	7.0	6737.6	425.0	-16.4	-40.2	231.7	12.2	9.8	7.2	327.9	328.9	0.3	10.7	12.8	20
465	7.1	7464.4	400.0	-19.7	-42.5	249.6	13.4	10.2	8.7	329.4	330.2	0.2	11.1	13.9	22
470	7.1	7966.1	375.0	-23.7	-45.0	225.3	14.4	10.2	10.1	330.2	330.9	0.2	12.0	15.2	25
475	41.0	8463.4	350.0	-28.2	-48.3	230.4	12.8	9.8	8.2	330.7	331.2	0.1	12.5	16.5	26
480	44.4	8733.0	325.0	-32.5	-51.1	233.1	14.9	11.9	9.0	331.9	332.3	0.1	13.5	17.6	28
485	46.4	9131.2	300.0	-37.4	-54.9	236.0	14.2	11.8	7.9	332.7	333.0	0.1	14.0	18.2	30
490	48.3	9514.2	275.0	-42.2	-59.9	234.0	13.2	10.8	7.6	334.1	333.9	99.9	99.9	20.6	32
495	48.0	10743.4	250.0	-47.6	-66.9	234.8	17.2	14.1	9.9	335.3	333.9	99.9	99.9	22.4	34
500	132.4	11471.7	225.0	-52.9	-74.9	232.4	19.1	15.2	11.7	337.5	333.9	99.9	99.9	24.6	36
505	138.2	12248.0	200.0	-56.8	-80.9	235.5	22.5	18.5	12.7	342.9	333.9	99.9	99.9	27.7	38
510	141.4	13165.9	175.0	-57.8	-89.0	239.2	27.7	23.8	14.2	354.5	333.9	99.9	99.9	31.3	40
515	141.4	14133.3	150.0	-57.4	-91.9	236.9	29.8	24.8	14.2	367.7	333.9	99.9	99.9	34.8	43
520	127.3	15164.1	125.0	-63.0	-99.9	235.4	30.9	25.4	14.6	380.8	333.9	99.9	99.9	38.3	45
525	135.3	16274.4	100.0	-65.7	-99.9	230.3	26.9	20.7	7.2	400.9	333.9	99.9	99.9	50.6	46
530	144.3	18274.4	75.0	-66.2	-99.9	99.9	99.9	99.9	99.9	434.3	333.9	99.9	99.9	57.6	46
535	154.5	20275.4	50.0	-57.3	-99.9	99.9	99.9	99.9	99.9	508.4	333.9	99.9	99.9	69.9	49
540	145.0	21257.2	25.0	-46.3	-99.9	99.9	99.9	99.9	99.9	651.6	333.9	99.9	99.9	87.5	30

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

STATION NO. 261  
DEL RIO, TEXAS

9 MAY 1979  
2300 GMT

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TIME MIN	CMTCY	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DEG K	E POF T DEG K	WX RTO CM/SEC	RM PCT	RANGE KM	AZ DEG
0-0	10-3	310.0	961.7	32.6	20.5	130.0	6.2	-0.7	4.0	309.2	353.2	16.0	49.0	0.0	0.
0-0	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0-0	11-3	424.4	950.0	30.6	20.7	134.0	12.1	-2.7	8.4	308.2	353.3	16.5	93.0	0.0	0.
1-5	13-9	642.7	925.0	27.8	19.0	133.0	12.6	-0.1	8.7	307.6	349.2	15.1	55.0	0.0	317.
2-5	16-3	903.5	908.0	25.2	17.6	136.0	11.5	-0.0	8.3	307.5	345.6	14.3	50.6	1.0	315.
3-0	18-9	1152.7	875.0	22.7	16.0	140.0	13.2	-5.4	10.1	307.4	345.8	14.0	69.7	2.4	315.
4-0	21-2	1405.1	840.0	20.7	14.5	151.4	10.4	-5.1	9.3	307.8	346.4	14.1	77.0	3.1	317.
4-0	23-0	1643.4	825.0	19.5	12.7	177.7	9.2	-0.4	9.1	309.3	346.8	11.3	64.8	3.4	319.
5-9	26-3	1928.0	800.0	19.4	9.5	212.5	10.4	0.1	8.5	311.0	350.5	9.4	82.0	3.7	327.
6-9	28-9	2202.2	775.0	20.1	-5.6	232.0	11.5	9.1	8.9	315.5	325.4	5.3	17.1	3.0	330.
7-8	31-5	2483.7	750.0	18.0	-18.5	231.4	12.0	9.4	7.5	317.0	320.9	1.2	6.6	4.0	345.
8-9	34-2	2772.5	725.0	16.3	-18.9	223.4	11.0	8.2	8.0	317.4	321.2	1.2	7.4	4.5	354.
9-0	36-9	3058.9	700.0	13.4	-20.4	226.6	11.0	7.7	7.0	317.6	321.1	1.1	7.7	4.9	0.
10-3	32.7	3323.1	675.0	10.8	-22.1	221.7	10.8	7.0	7.0	317.7	320.9	1.0	8.0	5.4	5.
11-9	42.4	3685.7	650.0	8.0	-23.4	216.0	10.1	6.9	8.1	318.0	320.9	0.9	8.3	6.0	9.
13-0	45-3	4060.9	625.0	4.8	-25.7	213.7	9.2	5.1	7.7	317.9	320.5	0.7	8.7	6.6	11.
14-1	48-2	4337.5	600.0	1.7	-26.4	210.2	9.3	4.7	8.0	318.0	320.5	0.7	10.2	7.1	13.
15-3	51-2	4670.3	575.0	-1.5	-29.3	215.5	8.9	5.2	7.3	316.3	320.3	0.6	9.8	7.3	14.
16-9	54-3	5030.4	550.0	-4.0	-32.9	224.0	10.9	7.6	7.0	319.4	320.9	0.4	8.3	8.3	16.
17-7	57.4	5395.9	525.0	-6.0	-36.0	228.1	11.5	8.6	7.7	321.2	322.3	0.3	6.6	9.1	19.
19-1	60.5	5776.5	500.0	-7.8	-37.0	230.3	12.2	10.4	8.4	323.5	326.6	0.3	6.8	9.9	22.
20-4	63-9	6173.2	475.0	-10.3	-40.1	246.0	13.3	12.2	5.2	325.2	326.1	0.2	6.5	10.7	26.
21-0	67.1	6597.1	450.0	-13.4	-41.2	247.4	13.9	12.8	5.3	326.4	327.2	0.2	7.5	11.5	29.
23-1	70.6	7019.1	425.0	-16.7	-44.0	244.4	15.9	12.3	6.0	327.5	328.2	0.2	7.3	12.5	33.
24-5	74.3	7471.2	400.0	-20.7	-46.5	247.2	15.3	13.6	6.4	328.1	328.6	0.1	7.0	13.7	36.
26-0	78.0	7944.7	375.0	-24.7	-48.5	237.0	13.2	11.1	7.2	328.9	329.4	0.1	8.0	14.0	38.
27-4	81.8	8432.6	350.0	-29.1	-51.5	228.0	13.2	9.8	8.0	329.5	329.9	0.1	9.3	14.0	38.
29-2	85.0	8906.9	325.0	-34.0	-56.0	229.4	13.5	10.2	8.6	329.0	330.1	0.1	10.3	17.3	40.
31-0	90.0	9321.6	300.0	-38.0	-57.4	232.4	14.1	11.2	8.6	330.4	330.6	0.1	12.1	16.7	40.
32-7	94.4	10113.3	275.0	-43.5	-59.9	229.2	16.0	12.1	10.4	332.3	339.9	0.1	99.9	20.2	41.
34-8	99.2	10704.7	250.0	-48.6	-59.9	232.0	18.1	14.3	11.2	333.8	339.9	0.1	99.9	22.3	42.
37-0	104.0	11432.0	225.0	-52.4	-59.9	237.9	22.4	18.0	11.0	338.2	339.9	0.1	99.9	25.0	43.
39-7	109.4	12194.4	200.0	-54.5	-59.9	242.0	23.7	21.0	10.0	340.1	339.9	0.1	99.9	26.4	46.
42-5	115.2	13018.7	175.0	-60.8	-59.9	240.7	28.9	25.2	14.2	349.0	339.9	0.1	99.9	32.5	48.
45-0	121.5	13979.0	150.0	-60.7	-59.9	236.3	32.7	27.2	18.2	365.5	339.9	0.1	99.9	38.8	49.
49-3	126.3	15108.7	125.0	-63.0	-59.9	241.0	29.0	26.1	14.5	379.2	339.9	0.1	99.9	45.5	51.
53-7	134.3	16441.2	100.0	-60.3	-59.9	238.9	24.9	21.3	12.9	393.0	339.9	0.1	99.9	52.2	52.
59-1	145.3	18197.6	75.0	-64.4	-59.9	194.3	13.0	3.4	13.4	437.0	339.9	0.1	99.9	60.0	51.
64-9	155.0	20498.7	50.0	-57.4	-59.9	136.3	7.2	-0.0	5.2	508.2	339.9	0.1	99.9	60.9	51.
70-2	165.0	25106.7	25.0	-47.9	-59.9	99.9	99.9	99.9	99.9	647.0	339.9	0.1	99.9	56.1	45.

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

STATION NO. 261  
DEL RIO, TEXAS

10 MAY 1979  
205 GMT

161 13. 0

TIME MIN	CHRY	HEIGHT GDM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PCT Y CG K	E POT Y DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	13.0	316.3	963.0	28.9	19.5	110.0	6.2	-5.8	2.1	325.3	346.0	15.0	57.0	0.0	0.
01	09.9	322.9	1330.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	09.9	322.9	973.0	28.3	20.2	117.4	13.0	-11.6	6.0	325.9	345.9	15.9	61.5	3.3	296.
03	11.4	935.3	973.0	28.3	20.2	117.4	13.0	-11.6	6.0	325.9	345.9	15.9	61.5	3.3	296.
04	13.9	672.3	925.0	26.5	18.6	125.2	15.9	-13.0	9.2	326.4	345.8	16.8	67.0	0.9	299.
05	15.3	316.3	925.0	25.0	17.9	132.3	17.3	-12.6	11.6	327.3	345.8	14.4	64.3	1.9	304.
06	18.5	1171.7	975.0	22.4	17.1	160.0	16.5	-10.6	12.6	327.1	346.0	14.2	72.0	2.6	308.
07	21.0	1813.3	970.0	20.4	16.7	152.5	16.1	-7.4	14.3	327.5	345.5	14.2	79.1	3.5	312.
08	21.5	1671.4	875.0	19.3	13.3	175.8	15.2	-1.1	15.1	329.2	341.7	11.8	69.3	4.2	315.
09	21.1	1399.2	630.0	19.6	8.3	197.7	14.9	4.3	14.2	312.0	331.0	6.5	36.5	4.9	320.
10	24.6	2111.3	750.0	19.7	-8.5	237.6	13.4	6.2	11.8	315.0	325.8	3.6	19.1	5.3	333.
11	31.2	2499.2	740.0	17.6	-7.1	221.6	13.3	6.8	9.9	315.7	325.0	3.0	17.8	5.7	347.
12	31.4	2499.2	725.0	15.5	-16.3	223.9	14.1	10.7	9.1	316.5	321.3	1.5	9.7	6.1	347.
13	31.4	3174.7	730.0	12.9	-18.2	237.9	14.1	12.0	7.5	316.8	321.0	1.3	9.8	6.5	354.
14	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	316.9	320.5	1.1	9.6	6.9	1.
15	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
16	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
17	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
18	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
19	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
20	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
21	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
22	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
23	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
24	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
25	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
26	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
27	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
28	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
29	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
30	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
31	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
32	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
33	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
34	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
35	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
36	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
37	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
38	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
39	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
40	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
41	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
42	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
43	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
44	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
45	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
46	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
47	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
48	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
49	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
50	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
51	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
52	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
53	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
54	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
55	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
56	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
57	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
58	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
59	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
60	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
61	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
62	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
63	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
64	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
65	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
66	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
67	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
68	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
69	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
70	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
71	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
72	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
73	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
74	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
75	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
76	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
77	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
78	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
79	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
80	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	320.5	1.0	9.9	7.6	0.
81	31.2	3274.8	675.0	13.1	-20.6	237.0	15.0	12.9	7.7	317.3	3				



STATION NO. 201  
DEL RIO, TEXAS

10 MAY 1979

TIME MIN	CHIT	WEIGHT GPH	PRES MB	TEMP DEG C	DEP HT DEG	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DEG K	E POT Y DEG K	HI RTO GAL:KG	EM PCT	RANGE KM	AZ DEG
0.0	9.0	314.0	965.8	26.2	22.9	138.0	7.7	-5.9	4.9	302.1	351.5	18.5	82.0	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	999.9
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	999.9
0.5	11.5	459.4	950.0	23.6	21.5	131.2	15.0	-11.9	10.4	301.2	346.9	17.3	87.8	0.4	305
1.3	13.8	692.7	925.0	21.7	20.7	118.5	18.7	-14.5	12.1	301.5	346.1	18.0	90.0	1.1	310
2.2	10.3	930.8	900.0	19.9	18.9	107.1	16.0	-9.8	15.1	302.0	343.4	15.5	94.6	2.0	315
3.0	18.7	1174.5	875.0	20.1	17.8	161.9	17.6	-8.5	16.7	306.7	346.9	14.9	86.7	2.9	321
3.9	21.2	1426.1	850.0	21.4	11.5	175.0	18.2	-1.6	18.1	308.6	336.0	18.1	53.0	3.6	328
6.7	23.7	1665.0	825.0	20.9	8.3	181.0	17.3	0.9	17.3	310.7	334.6	8.4	44.3	4.4	334
7.6	26.2	1950.4	800.0	19.0	7.4	181.2	16.6	2.1	16.5	311.4	334.6	8.1	46.8	5.2	339
8.6	28.5	2211.5	775.0	17.9	-1.9	197.5	16.9	6.5	16.2	313.1	326.1	6.1	26.6	6.1	344
7.7	31.4	2502.1	750.0	16.4	-13.6	213.6	14.1	7.8	15.8	316.4	320.2	1.8	11.6	6.8	349
4.6	34.1	2789.0	725.0	15.3	-40.6	221.5	15.8	10.5	11.8	316.2	316.7	0.1	1.8	7.5	355
7.9	36.8	3066.1	700.0	12.5	-42.3	228.0	16.6	12.1	11.1	316.3	316.6	0.1	1.0	8.2	1.0
11.0	39.6	3366.9	675.0	9.6	-43.4	237.8	15.4	13.1	8.2	316.4	316.9	0.1	1.1	8.9	6.0
12.1	42.3	3674.0	650.0	7.0	-39.4	246.1	14.4	13.3	5.9	316.9	317.5	0.2	2.0	9.5	11.0
13.3	45.7	3914.2	625.0	4.2	-37.7	248.5	13.6	12.6	5.0	317.2	317.9	0.2	2.3	10.1	16.0
14.4	49.1	4147.5	600.0	1.0	-36.6	249.1	12.1	10.5	6.8	317.3	318.1	0.2	3.3	10.7	20.0
15.7	51.1	4367.9	575.0	-1.7	-39.5	248.6	10.3	9.2	4.8	318.1	318.6	0.2	3.6	11.3	22.0
17.1	54.1	4560.2	550.0	-3.4	-38.6	247.0	10.3	8.6	5.6	320.0	320.9	0.2	4.5	11.9	25.0
18.5	57.1	4705.6	525.0	-6.9	-35.7	226.0	9.4	6.7	6.3	320.1	321.3	0.3	7.9	12.7	26.0
19.0	60.5	4784.0	500.0	-9.5	-48.4	221.7	11.5	7.7	8.6	321.5	322.0	0.1	3.7	13.5	27.0
21.2	61.8	4174.3	475.0	-11.9	-57.5	217.3	12.0	7.6	10.3	323.3	323.4	0.9	1.8	14.4	28.0
23.4	61.1	6594.1	450.0	-15.6	-59.8	211.4	12.9	7.2	11.9	323.7	323.8	0.0	1.8	15.4	29.0
23.9	70.6	7316.9	425.0	-19.4	-62.3	213.8	12.8	7.2	17.7	323.6	323.7	0.0	1.6	16.5	29.0
25.7	74.1	7463.4	400.0	-22.6	-62.3	225.6	12.5	8.9	6.8	325.6	325.7	0.0	1.3	17.9	30.0
27.6	77.9	7934.2	375.0	-26.2	-63.1	234.3	12.4	10.2	7.4	326.9	327.0	0.0	1.7	19.3	31.0
29.6	81.7	8424.7	350.0	-29.6	-63.6	231.6	12.7	18.0	7.9	328.9	329.0	0.0	2.2	20.6	33.0
31.4	85.4	8953.8	325.0	-33.9	-63.6	230.8	14.2	11.0	9.8	330.0	330.1	0.0	3.2	22.0	34.0
33.2	89.0	9509.1	300.0	-39.7	-63.8	233.8	14.4	11.6	8.5	330.8	330.9	0.0	5.1	23.5	35.0
34.1	94.5	10131.5	275.0	-43.2	99.9	237.2	14.2	11.9	7.7	332.7	332.7	999.9	999.9	23.2	36.0
37.4	99.2	10736.4	250.0	-49.4	99.9	239.1	14.6	12.5	7.5	336.1	336.1	999.9	999.9	25.8	38.0
42.0	104.2	11422.3	225.0	-53.0	99.9	232.6	16.1	12.0	9.8	336.1	336.1	999.9	999.9	28.2	39.0
47.4	107.5	12169.4	200.0	-58.7	99.9	239.7	20.0	17.2	10.1	339.9	339.9	999.9	999.9	31.6	41.0
53.3	115.3	13003.3	175.0	-68.2	99.9	248.5	28.4	26.3	11.4	350.5	350.5	999.9	999.9	35.3	44.0
58.9	121.5	13961.5	150.0	-61.6	99.9	249.4	32.7	28.5	18.6	364.0	364.0	999.9	999.9	41.8	46.0
53.2	129.0	15063.6	125.0	-64.9	99.9	249.1	28.3	26.5	14.1	377.4	377.4	999.9	999.9	50.8	49.0
58.1	137.0	16433.9	100.0	-69.0	99.9	226.2	18.2	13.1	12.6	394.4	394.4	999.9	999.9	56.4	49.0
63.0	14	18151.6	75.0	-71.9	99.9	204.1	11.8	8.2	10.6	422.1	422.1	999.9	999.9	61.8	48.0
72.0	155	20424.9	50.0	-62.7	99.9	132.9	8.4	-0.1	9.7	495.8	495.8	999.9	999.9	63.4	46.0
85.0	165.3	25348.4	25.0	-89.9	99.9	92.0	12.2	-12.2	0.6	641.4	641.4	999.9	999.9	57.8	46.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR 1/4 INCH HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261  
 DEL W.O. TEXAS  
 10 MAY 1979  
 005 GMT

102 13. 0

TIME	CHTCF	HPTIME	PHFS	TEMP	JER PT	DIR	SPEED	U COMP	V COMP	PDT Y	E P Y T	MR STD	RM	RANGE	AZ
UTC		GM	WH	US C	DG C	DU	M/SEC	M/SEC	M/SEC	OS K	OS K	GM/MS	PCT	KM	DG
000	3.0	314.0	900.2	25.2	22.1	130.0	6.2	-4.7	6.0	331.3	348.5	17.9	88.0	0.0	0.
005	9.0	43.4	1233.0	22.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
010	9.0	47.9	475.0	94.0	94.3	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
015	11.0	463.9	930.0	23.7	21.9	123.3	10.6	-6.3	6.6	301.3	349.1	17.7	89.4	0.3	314.
020	11.5	596.9	925.0	22.1	21.1	143.9	12.5	-7.4	10.1	331.9	347.7	17.3	89.0	0.9	314.
025	11.9	615.4	920.0	21.5	22.5	163.9	15.6	-5.2	14.9	333.7	347.4	17.1	93.9	1.6	322.
030	11.3	1113.9	975.0	23.2	18.7	173.0	17.1	-2.1	17.0	326.8	348.5	16.2	93.9	2.3	331.
035	2.1	1411.5	975.0	19.4	17.4	177.9	19.6	-0.7	10.8	335.5	345.0	14.9	91.7	1.2	319.
040	2.1	1411.5	975.0	17.7	44.2	142.6	17.9	0.9	17.9	337.3	337.1	10.4	71.9	4.2	344.
045	2.4	1373.7	975.0	23.6	-13.7	141.3	15.8	0.9	15.7	313.1	314.3	1.7	4.7	5.2	348.
050	2.4	1373.7	975.0	19.4	-34.1	186.1	19.8	2.1	14.8	314.7	315.3	0.2	1.0	6.2	350.
055	3.1	1252.2	725.0	19.2	-38.2	203.5	13.8	4.8	12.9	317.4	316.1	0.2	1.0	7.0	354.
060	3.1	1252.2	725.0	16.4	-34.3	205.6	13.7	5.9	12.3	317.5	318.1	0.2	1.0	7.9	357.
065	3.2	1341.4	725.0	13.9	-41.4	217.7	13.3	6.2	10.6	319.2	318.4	0.1	1.0	8.5	360.
070	3.3	1341.4	675.0	11.2	-43.0	227.4	13.6	10.0	9.2	318.2	318.7	0.1	1.0	9.2	361.
075	4.1	1341.4	650.0	9.2	-48.7	237.2	13.2	11.1	7.1	318.2	318.6	0.1	1.0	9.8	361.
080	4.7	1337.1	625.0	5.2	-46.9	243.2	12.8	11.6	5.8	319.4	318.7	0.1	1.0	10.4	361.
085	4.7	1337.1	625.0	1.7	-48.9	243.2	13.1	11.9	5.5	319.1	318.4	0.1	1.0	10.9	361.
090	4.7	1337.1	575.0	-1.4	-50.9	249.5	13.8	12.8	5.1	318.4	318.6	0.1	1.0	11.6	361.
095	5.3	1313.4	550.0	-4.9	-52.7	249.7	13.6	12.2	6.3	318.2	318.4	0.0	1.0	12.3	361.
100	5.3	1313.4	525.0	-6.9	-54.3	251.4	11.8	7.8	6.6	320.2	323.4	0.0	1.0	13.1	25.
105	5.4	1317.6	525.0	-11.1	-56.3	258.0	12.2	5.0	11.1	320.0	320.9	0.0	1.0	14.0	26.
110	5.4	1317.6	525.0	-13.1	-56.3	258.0	12.2	5.0	11.1	320.0	320.9	0.0	1.0	14.0	26.
115	6.0	6149.5	475.0	-13.7	-54.3	231.2	14.2	5.1	13.2	321.6	321.1	0.0	1.0	15.1	25.
120	6.0	6149.5	450.0	-15.9	-60.0	208.0	15.1	6.2	13.8	323.3	323.4	0.0	1.0	15.6	25.
125	6.6	5495.9	425.0	-16.8	-50.6	217.7	15.1	9.3	11.9	327.4	327.6	0.0	1.0	16.1	25.
130	6.7	7327.4	425.0	-19.9	-62.6	229.8	14.6	11.2	9.4	329.1	329.2	0.0	1.0	16.4	27.
135	7.3	7480.4	420.0	-21.6	-65.0	235.2	14.3	11.7	8.1	330.4	330.5	0.0	1.0	16.6	28.
140	7.3	7480.4	375.0	-27.9	-67.8	232.8	14.7	11.7	6.9	331.2	331.2	0.0	1.0	17.0	30.
145	8.4	435.5	300.0	-27.9	-67.8	232.8	14.7	11.7	6.9	331.2	331.2	0.0	1.0	17.0	30.
150	8.4	435.5	325.0	-32.6	-73.7	237.7	14.2	12.0	7.6	331.7	331.7	0.0	1.0	17.5	32.
155	8.4	435.5	325.0	-36.7	-73.6	233.3	14.0	12.1	7.2	331.6	331.6	0.0	1.0	17.0	36.
160	9.1	2561.5	300.0	-41.5	-94.9	249.4	12.7	11.1	5.1	335.2	999.9	99.9	999.9	26.3	35.
165	9.1	1378.0	250.0	-47.4	93.7	241.1	14.8	13.1	5.5	335.6	999.9	99.9	999.9	27.6	37.
170	12.4	1164.4	225.0	-51.1	94.9	241.6	14.8	13.1	7.0	337.1	999.9	99.9	999.9	29.2	38.
175	12.4	1164.4	200.0	-58.3	99.9	242.3	20.4	18.0	9.5	330.5	999.9	99.9	999.9	32.0	40.
180	10.2	12115.3	200.0	-58.3	99.9	242.3	20.4	18.0	9.5	330.5	999.9	99.9	999.9	32.0	40.
185	11.0	13253.5	175.0	-59.6	99.9	242.9	31.0	27.6	14.1	331.5	999.9	99.9	999.9	36.7	43.
190	11.0	13253.5	150.0	-62.9	99.9	243.6	32.5	29.1	14.5	331.5	999.9	99.9	999.9	43.2	47.
195	12.0	14329.9	150.0	-64.9	99.9	239.6	29.0	25.0	14.6	337.5	999.9	99.9	999.9	50.5	49.
200	12.0	15127.6	125.0	-64.9	99.9	239.6	29.0	25.0	14.5	338.4	999.9	99.9	999.9	57.4	49.
205	13.0	16492.4	100.0	-68.9	99.9	220.3	14.7	5.1	13.8	423.8	999.9	99.9	999.9	62.7	48.
210	14.0	14197.2	75.0	-71.1	99.9	200.3	14.7	5.1	4.3	564.4	999.9	99.9	999.9	66.3	46.
215	14.0	14197.2	50.0	-58.2	99.9	128.4	6.8	-5.3	4.3	564.4	999.9	99.9	999.9	66.3	46.
220	16.0	25164.2	25.0	-49.5	99.9	99.9	99.9	99.9	99.9	621.4	999.9	99.9	999.9	81.1	42.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261  
DEL RIO, TEXAS

18 MAY 1979  
1105 GMT

194 12. 0

TIME MIN	CHTCY	WEIGHT GPH	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 Y DG K	WZ WFO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	9.0	314.0	983.4	23.9	21.2	120.0	4.1	-3.1	2.6	308.1	349.1	16.7	33.0	0.0	0.0
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	11.3	53.2	950.0	22.0	21.7	132.5	11.6	-0.4	7.7	300.0	349.3	17.5	93.1	6.3	310
1.2	11.7	687.9	925.0	21.2	20.6	145.4	11.6	-0.6	9.5	301.9	349.5	16.0	9.1	0.7	313
2.1	10.2	926.3	900.0	20.6	20.1	173.0	11.6	-1.4	11.6	302.0	347.3	16.7	96.7	1.3	320
7.9	19.7	1170.7	875.0	19.7	19.2	196.9	11.4	3.3	10.9	304.3	347.9	16.2	96.6	1.0	330
3.0	21.2	1421.3	850.0	18.9	18.6	203.6	14.1	5.3	12.9	306.0	348.9	16.3	98.1	2.2	349
4.5	23.0	1602.0	825.0	22.1	19.0	209.0	16.8	0.1	16.7	311.9	349.6	7.2	33.4	2.9	350
5.5	20.4	1906.7	800.0	21.2	-3.1	204.7	17.5	7.3	15.9	313.7	349.2	3.0	10.4	3.7	0.
6.4	29.9	2220.2	775.0	19.5	-0.4	206.4	16.6	7.6	14.9	316.0	349.1	3.1	10.7	4.6	0.
7.3	31.6	2503.5	750.0	17.0	-10.8	220.5	15.1	9.8	11.5	319.1	349.0	2.2	13.0	5.5	13
8.2	30.2	2787.9	725.0	16.4	-12.6	229.2	14.7	10.4	10.3	319.3	349.6	2.0	14.1	6.2	17
9.2	37.0	3161.9	700.0	11.2	-12.7	226.4	16.4	10.5	10.0	316.0	321.3	2.1	17.3	6.9	20
10.3	39.0	3.43.7	650.0	0.3	-13.0	226.4	16.0	10.1	9.6	314.9	321.4	2.1	18.9	7.0	23
11.4	42.5	3625.0	630.0	0.1	-24.7	222.0	16.2	9.6	10.0	314.9	318.0	1.9	9.7	8.0	20
12.5	45.6	4113.7	625.0	0.1	-32.4	217.2	16.0	0.4	11.1	317.1	318.5	3.0	0.9	9.0	27
13.6	47.3	4313.0	600.0	1.3	-33.0	213.0	12.0	7.7	10.0	317.0	319.9	0.4	3.2	10.7	21
14.9	51.2	4594.1	575.0	-1.7	-35.4	211.2	14.9	7.7	12.7	318.0	319.7	0.3	5.5	11.4	0.
16.0	54.3	5035.0	550.0	-4.3	-40.8	211.2	16.0	0.7	16.3	319.0	319.7	0.2	3.0	12.6	10.
17.3	57.3	5392.9	525.0	-7.4	-44.2	208.0	17.1	0.2	15.9	319.5	320.0	0.1	3.4	13.9	9.
18.6	63.4	5774.2	500.0	-9.7	-50.1	208.7	16.1	9.7	15.1	321.2	321.4	0.0	1.0	15.2	20.
19.8	67.0	6172.1	475.0	-12.5	-57.9	198.7	15.0	2.0	16.7	322.9	322.6	0.9	1.0	16.3	27.
21.6	67.0	6581.9	450.0	-15.9	-60.0	190.0	13.4	4.3	12.7	323.3	323.4	0.0	1.0	17.5	27.
23.8	70.3	7012.5	425.0	-16.0	-60.1	210.5	14.7	7.5	12.7	320.5	320.6	0.0	1.0	18.0	20.
25.6	71.0	7466.1	400.0	-19.0	-62.5	220.7	15.1	9.9	11.4	329.3	329.4	0.0	1.0	20.0	20.
27.0	77.4	7941.4	375.0	-23.7	-66.0	235.0	11.3	9.2	6.5	330.3	330.4	0.0	1.0	21.0	20.
27.6	81.2	8041.2	350.0	-20.0	-57.1	244.1	10.0	9.7	4.7	331.1	331.3	0.0	4.2	22.2	9.
29.4	85.1	8364.6	325.0	-32.0	-50.0	240.4	11.6	10.7	4.6	331.0	332.0	0.0	5.0	23.3	11.
31.2	89.0	8527.3	300.0	-37.2	-60.3	237.0	12.2	11.3	4.6	333.0	333.1	0.0	0.9	20.2	3.
33.2	91.3	13127.5	275.0	-61.9	-69.9	236.0	12.3	10.2	6.9	334.0	99.9	99.9	99.9	25.7	5.
35.3	97.3	10760.5	250.0	-67.2	99.9	227.0	14.0	10.3	9.6	335.0	99.9	99.9	99.9	27.0	3.
37.0	102.6	11448.0	225.0	-52.0	99.9	230.5	14.5	11.0	8.4	337.0	99.9	99.9	99.9	29.3	3.
40.2	107.6	12198.4	200.0	-50.1	99.9	221.1	22.9	10.1	10.1	308.0	99.9	99.9	99.9	31.0	30.
43.0	113.0	13032.2	175.0	-61.0	99.9	240.0	30.7	30.2	10.9	309.2	99.9	99.9	99.9	30.0	40.
46.5	119.3	13379.0	150.0	-64.2	99.9	240.1	30.6	33.0	10.0	359.3	99.9	99.9	99.9	43.7	04.
50.5	125.5	15391.2	125.0	-65.6	99.9	239.5	32.2	27.4	16.0	370.3	99.9	99.9	99.9	51.7	02.
53.2	132.7	16646.1	100.0	-67.0	99.9	227.1	25.0	18.7	17.4	390.0	99.9	99.9	99.9	50.5	00.
60.6	149.7	18150.9	75.0	-71.2	99.9	190.4	14.2	2.0	13.9	423.7	99.9	99.9	99.9	60.5	07.
67.0	149.0	20667.3	50.0	-60.2	99.9	133.0	5.9	-0.3	4.4	501.7	99.9	99.9	99.9	67.0	04.
70.6	157.7	23110.4	25.0	-50.4	99.9	99.9	99.9	99.9	99.9	630.5	99.9	99.9	99.9	69.0	04.

0 BY SPEED MEANS ELEVATION ANGL. 15 DEG & ANG 10 DEG  
 \* BY TEMP MEANS TEMPERATURE OR 1.0 ME HAVE BEEN INTERPOLATED  
 \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265  
MIDLAND, TEXAS

9 MAY 1979  
1100 GMT

156 14.0 0

TIME	CNTR	WEIGHT	PREC	TEMP	DLB DT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MR STD	RM	RANGE	AZ
414		204	WS	5.1 C	DS C	DS	M/S LC	M/SEC	M/SEC	DG K	DC K	GM/KG	PCT	NM	DC
102	15.0	973.0	922.9	23.6	17.9	180.0	7.7	0.0	7.7	302.5	361.0	14.4	81.0	0.0	0.0
103	54.9	944.0	1000.0	92.9	96.9	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
104	44.3	944.0	975.0	92.9	94.9	94.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
105	44.3	944.0	951.0	92.9	96.9	96.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
106	44.3	944.0	975.0	92.9	94.9	94.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
107	15.0	973.0	922.9	23.7	17.6	176.7	12.1	3.5	11.5	303.9	366.9	14.0	87.1	0.3	23.0
108	14.9	1146.7	675.0	17.9	19.6	195.5	14.1	3.8	13.5	305.4	366.4	15.6	92.4	0.6	19.0
109	21.4	1346.4	950.0	18.9	19.9	233.5	16.4	6.5	15.0	309.0	360.4	12.6	77.5	1.2	17.0
110	21.4	1112.2	475.0	13.3	7.9	223.8	13.7	9.5	9.9	326.9	372.0	8.1	47.6	2.2	23.0
111	25.1	1417.6	735.0	18.5	1.1	244.1	10.0	9.2	3.7	310.9	326.9	5.5	32.6	2.8	20.0
112	21.7	1177.4	725.0	16.7	-17.4	254.9	8.8	8.5	1.7	311.8	318.8	2.3	16.9	3.1	36.0
113	31.3	244.4	750.0	13.0	-20.3	240.4	9.9	9.1	3.9	312.9	316.2	1.0	7.1	3.5	42.0
114	31.3	275.7	750.0	13.0	-21.3	231.2	12.4	9.6	7.7	313.8	316.9	1.0	7.4	4.2	47.0
115	7.4	318.7	720.0	11.7	-22.0	218.0	13.5	6.3	10.6	315.5	319.6	0.9	7.6	5.0	44.0
116	14.9	1182.4	675.0	9.9	-21.1	210.5	17.9	9.1	15.4	316.7	319.6	0.9	7.0	6.0	42.0
117	14.9	1577.0	675.0	7.3	-24.5	206.4	21.6	2.6	19.3	317.2	319.9	0.7	6.2	7.3	40.0
118	8.8	1477.0	625.0	4.5	-26.2	206.5	26.0	11.6	23.3	317.6	320.0	0.7	6.2	8.8	37.0
119	4.1	1477.0	625.0	2.2	-42.5	204.1	22.8	11.1	10.9	318.6	311.2	0.1	3.0	10.4	36.0
120	51.2	411.2	610.0	-2.4	-38.9	211.6	19.5	10.5	16.9	319.3	323.6	0.2	3.5	11.7	35.0
121	51.2	477.0	575.0	-3.2	-48.9	214.9	19.5	11.1	16.0	320.3	323.6	0.1	1.8	13.0	35.0
122	57.4	533.5	550.0	-5.5	-33.5	218.7	19.4	12.2	15.2	321.9	323.6	0.4	6.8	14.3	35.0
123	57.4	533.5	575.0	-5.5	-33.5	218.7	17.9	12.7	12.6	322.4	324.6	0.7	19.4	15.6	36.0
124	61.4	574.2	500.0	-6.8	-29.4	225.2	17.9	12.7	12.6	322.4	324.6	1.0	33.4	16.9	37.0
125	61.4	618.7	475.0	-12.6	-25.3	229.7	18.3	13.7	12.0	322.5	325.3	0.8	35.2	19.3	38.0
126	74.9	635.9	450.0	-16.5	-24.2	223.6	18.1	12.5	13.1	322.5	325.3	0.8	35.2	19.3	38.0
127	72.9	644.2	425.0	-19.3	-40.9	222.3	18.1	12.2	13.4	324.2	325.2	0.3	13.0	19.9	38.0
128	78.6	781.3	425.0	-21.4	-45.4	222.6	19.9	13.5	14.7	327.2	327.9	0.2	9.3	21.6	38.0
129	79.7	745.4	375.0	-25.1	-45.4	221.1	19.2	12.7	14.4	328.4	329.0	0.2	12.8	23.4	39.0
130	82.1	482.2	350.0	-23.3	-47.5	220.8	19.0	12.4	14.4	329.3	329.8	0.1	15.4	25.3	39.0
131	82.1	482.2	325.0	-33.7	-52.1	222.0	22.2	14.9	16.5	330.3	330.7	0.1	13.4	27.4	39.0
132	82.1	482.2	325.0	-37.9	-49.9	227.1	24.5	16.5	15.3	331.9	331.9	99.9	999.9	29.0	39.0
133	94.9	1337.5	275.0	-43.7	98.0	232.5	22.3	17.7	13.6	333.2	333.2	99.9	999.9	32.4	40.0
134	94.9	1337.5	275.0	-43.7	98.0	232.5	22.3	17.7	13.6	333.2	333.2	99.9	999.9	35.3	41.0
135	126.4	1130.5	225.0	-54.5	99.9	236.6	23.0	19.6	12.0	336.9	336.9	99.9	999.9	37.6	42.0
136	113.0	1217.7	200.0	-59.8	99.9	234.0	26.8	21.9	15.4	338.6	338.6	99.9	999.9	41.0	43.0
137	135.4	1203.3	175.0	-64.2	99.9	231.1	27.1	22.9	17.6	344.8	344.8	99.9	999.9	45.1	44.0
138	127.2	1321.3	150.0	-61.3	99.9	230.0	27.4	21.0	17.2	344.5	344.5	99.9	999.9	49.0	45.0
139	127.2	1321.3	125.0	-64.4	99.9	225.8	28.7	17.7	17.2	378.4	378.4	99.9	999.9	54.7	45.0
140	137.9	1613.5	100.0	-65.4	99.9	230.9	26.9	19.1	15.9	401.4	401.4	99.9	999.9	60.9	46.0
141	165.7	1813.7	75.0	-64.0	99.9	210.9	18.1	16.2	15.5	438.8	438.8	99.9	999.9	66.2	46.0
142	155.7	2073.5	50.0	-57.6	99.9	128.3	6.7	-5.2	4.1	507.7	507.7	99.9	999.9	69.7	46.0
143	166.0	2523.4	25.0	-48.3	99.9	131.3	3.5	-2.6	2.4	651.5	651.5	99.9	999.9	67.4	42.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 9 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 203  
 MIDLAND, TEXAS

9 MAY 1970  
 1416 GMT

TIME M/T	CNTY	WEIGHT GPM	PMES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	FOF 1 DG K	E POT 7 DG K	RR W/O CM/TS	RM PCT	RANGE KM	AZ DG
00	15-1	873.0	903.5	24.4	17.9	190.0	9.3	1.4	9.2	300.3	303.7	14.3	67.0	0.0	0.
05	09.0	90.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
07	09.0	90.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
09	09.0	90.0	950.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
11	09.0	90.0	925.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
13	15.4	907.0	900.0	23.3	17.2	191.7	9.6	1.0	9.4	305.3	306.5	13.9	68.7	0.1	3.
15	17.4	1152.2	875.0	20.7	17.4	193.7	14.0	2.4	9.7	309.3	310.5	14.5	61.3	0.7	12.
17	19.0	1402.6	850.0	18.2	13.7	222.2	9.8	3.7	9.0	309.2	332.3	14.0	75.3	1.2	13.
19	22.3	1652.6	825.0	15.2	10.4	171.1	7.2	4.3	5.7	308.4	323.4	9.0	29.7	1.6	18.
21	24.6	1923.3	800.0	12.0	16.0	217.8	8.3	5.1	6.5	311.5	315.3	1.3	7.4	2.1	23.
23	27.0	2133.3	775.0	17.0	20.9	239.8	9.5	4.1	8.6	312.1	315.1	0.9	5.0	2.7	25.
25	29.4	2472.5	750.0	15.6	18.7	207.3	10.5	4.0	9.3	313.5	317.2	1.2	7.0	3.3	29.
27	31.0	2752.2	725.0	13.1	15.7	213.7	12.0	6.7	10.0	313.0	317.2	1.1	8.1	4.0	28.
29	32.3	3051.4	700.0	11.2	12.7	207.9	15.3	7.1	12.9	313.9	317.0	0.9	7.9	4.7	27.
31	34.0	3353.0	675.0	9.6	10.1	209.1	17.0	8.2	14.8	316.4	318.1	0.5	6.6	5.9	27.
33	35.4	3600.0	650.0	8.2	10.0	211.0	20.3	10.7	17.2	318.3	319.0	0.2	2.0	7.2	28.
35	36.8	3887.7	625.0	5.4	15.0	213.2	23.3	12.7	19.5	318.6	319.7	0.3	3.4	8.9	29.
37	38.0	4199.3	600.0	2.6	18.0	217.7	23.0	14.5	18.0	319.1	320.2	0.3	3.0	10.0	30.
39	39.5	4540.4	575.0	-1.2	21.0	220.2	25.1	16.2	19.2	319.7	321.3	0.5	7.0	12.0	31.
41	41.0	4900.0	550.0	-3.1	24.0	219.7	23.3	15.0	18.1	320.4	321.3	0.3	4.4	14.3	32.
43	42.1	5282.9	525.0	-5.7	28.0	218.2	21.3	13.3	17.0	321.6	322.5	0.2	5.3	16.2	33.
45	43.1	5711.6	500.0	-8.3	31.7	226.3	20.5	13.2	15.6	323.0	324.0	0.5	13.1	18.6	34.
47	44.1	6157.2	475.0	-11.0	35.0	224.1	19.9	13.9	14.3	323.4	324.0	0.9	27.3	19.9	36.
49	45.1	6549.2	450.0	-15.5	37.0	223.3	20.0	12.0	14.6	323.9	325.0	0.6	26.5	21.5	35.
51	46.1	6990.0	425.0	-17.1	41.0	218.0	20.0	12.0	16.0	327.0	327.0	0.2	8.0	24.0	36.
53	47.1	7422.7	400.0	-20.9	44.0	215.0	21.2	12.1	17.3	329.4	329.4	0.2	10.4	25.9	36.
55	48.1	7852.7	375.0	-25.1	47.2	208.1	22.4	10.4	19.7	329.4	329.4	0.2	12.0	27.9	34.
57	49.1	8282.2	350.0	-29.4	47.2	210.0	22.1	11.3	19.0	329.1	329.7	0.1	15.7	30.2	35.
59	50.1	8693.2	325.0	-33.5	50.0	210.0	25.4	10.0	19.0	330.6	331.0	0.1	15.5	33.1	35.
61	51.1	9102.1	300.0	-37.7	53.0	227.0	23.5	17.1	18.0	332.2	332.6	0.1	16.2	36.2	36.
63	52.1	9511.0	275.0	-42.0	56.0	231.0	24.3	19.1	19.0	333.3	333.0	0.9	99.0	39.6	37.
65	53.1	9920.0	250.0	-46.1	59.0	233.0	24.1	19.3	19.3	333.3	333.0	0.9	99.0	42.3	38.
67	54.1	10329.0	225.0	-50.1	62.0	236.0	29.3	24.3	16.4	335.5	335.0	0.9	99.0	46.2	39.
69	55.1	10738.0	200.0	-54.1	65.0	231.2	29.7	23.2	18.7	339.3	339.0	0.9	99.0	51.2	41.
71	56.1	11147.0	175.0	-58.0	68.0	232.4	34.2	27.1	20.9	340.2	339.0	0.9	99.0	57.1	42.
73	57.1	11556.0	150.0	-62.0	71.0	236.0	29.2	23.4	17.2	340.4	339.0	0.9	99.0	63.2	43.
75	58.1	11965.0	125.0	-66.0	74.0	226.1	27.1	19.5	18.0	340.5	339.0	0.9	99.0	69.7	44.
77	59.1	12374.0	100.0	-70.0	77.0	220.1	24.0	19.5	16.0	340.0	339.0	0.9	99.0	76.1	46.
79	60.1	12783.0	75.0	-74.0	80.0	207.4	14.1	6.7	12.0	444.3	339.0	0.9	99.0	82.4	44.
81	61.1	13192.0	50.0	-78.0	83.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
83	62.1	13601.0	25.0	-82.0	86.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
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STATION NO. 265  
MIDLAND, TEXAS

9 MAY 1979  
2005 GMT

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TIME MIN	CNTCT	WEIGHT GPM	PHES 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 V DG K	MX RIO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	15.5	873.9	601.1	72.2	5.7	190.0	10.3	1.8	10.1	314.6	333.3	6.4	19.0	0.0	0.
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	999.
99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
79.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.0	15.6	493.9	900.0	31.6	4.6	193.0	11.1	2.5	10.8	314.1	331.7	6.8	19.3	0.1	2.
0.7	19.3	1139.0	875.0	28.0	0.3	202.1	13.9	5.2	12.9	312.9	326.2	4.5	15.5	0.6	14.
1.4	21.5	1389.9	850.0	25.9	-0.4	197.0	13.0	3.8	12.4	313.3	326.4	4.4	17.7	1.2	17.
1.9	23.0	1651.2	825.0	23.7	-0.3	194.8	12.1	3.1	11.7	313.6	327.2	4.6	20.4	1.5	16.
2.5	25.6	1918.7	800.0	21.3	-1.8	195.5	12.1	3.3	11.7	313.8	326.4	4.2	21.2	2.0	18.
3.1	28.2	2191.7	775.0	18.5	-2.9	193.8	11.2	2.7	10.9	313.8	325.8	4.0	23.2	2.6	16.
4.2	31.9	2471.0	750.0	15.4	-2.2	190.5	10.4	1.9	10.3	313.3	326.3	4.4	29.8	3.1	15.
5.0	36.6	2757.1	725.0	12.9	-3.7	188.3	11.0	1.6	10.9	313.6	326.8	3.7	29.9	3.6	14.
6.0	36.2	3050.5	700.0	10.6	-4.6	193.1	11.4	2.6	11.1	314.2	326.0	3.9	36.1	4.2	13.
7.0	37.0	3352.1	675.0	8.4	-6.7	207.8	12.1	5.7	10.7	315.0	325.5	3.4	33.6	5.0	14.
8.3	41.9	3662.8	650.0	7.0	-13.0	220.6	16.4	18.7	12.5	316.8	323.7	2.2	22.7	6.0	18.
9.8	44.9	3983.9	625.0	5.0	-25.4	219.8	21.1	13.2	16.5	318.2	321.0	0.8	9.7	7.5	23.
11.4	47.4	4315.0	600.0	2.5	-36.0	215.3	22.5	13.0	16.3	319.0	320.0	0.3	3.8	9.6	26.
12.6	50.9	4657.2	575.0	-0.1	-36.9	218.6	22.3	13.9	17.4	319.9	320.9	0.3	4.2	11.5	28.
14.3	53.9	5011.3	550.0	-1.9	-37.7	220.1	22.2	14.3	17.0	321.8	322.7	0.3	4.4	13.5	30.
15.6	57.3	5372.2	525.0	-4.5	-31.2	216.8	22.3	14.3	17.8	323.0	324.9	0.3	10.3	15.2	31.
16.8	60.1	5760.6	500.0	-8.1	-28.0	213.4	22.1	12.2	18.5	323.2	325.8	0.8	18.3	16.8	31.
17.3	61.4	6150.6	475.0	-11.5	-28.5	211.2	23.2	12.0	19.8	323.7	326.3	0.8	22.9	18.3	31.
17.2	66.7	6561.3	450.0	-15.1	-31.6	214.2	24.0	13.5	19.8	324.3	326.4	0.6	22.8	20.1	31.
21.5	70.3	6997.4	425.0	-19.3	-33.9	219.0	23.3	16.7	18.1	325.5	327.3	0.5	23.9	22.0	32.
22.1	71.9	7446.9	400.0	-22.3	-35.6	218.7	22.0	13.6	17.2	325.8	327.4	0.5	28.8	24.1	32.
24.1	77.7	7917.9	375.0	-25.7	-42.3	211.5	21.9	14.5	16.4	327.9	328.8	0.2	19.0	26.6	33.
26.1	81.5	8418.7	350.0	-29.1	-47.0	224.4	24.9	17.4	17.8	329.6	330.2	0.2	15.7	29.3	34.
27.4	85.5	8939.9	325.0	-33.5	-51.8	224.5	27.3	19.1	19.4	330.5	330.9	0.1	13.8	32.2	35.
29.6	87.7	9495.5	300.0	-38.4	-54.3	225.2	26.4	18.7	18.6	331.2	331.8	0.1	16.7	34.9	36.
31.5	94.2	10087.9	275.0	-43.1	-59.9	229.1	28.9	21.9	19.0	332.8	332.8	99.9	99.9	37.8	37.
33.6	98.9	10722.1	250.0	-48.3	-68.3	235.9	28.4	23.5	15.9	334.3	334.3	99.9	99.9	41.5	38.
34.0	103.6	11407.6	225.0	-53.7	-79.9	243.8	29.1	26.1	12.9	336.2	336.2	99.9	99.9	45.4	40.
34.5	109.7	12152.8	200.0	-60.0	-99.9	244.9	29.5	26.7	12.5	337.7	337.7	99.9	99.9	49.2	42.
41.3	114.9	12980.9	175.0	-61.4	-99.9	242.8	32.6	29.2	15.0	348.6	348.6	99.9	99.9	56.4	44.
44.8	121.0	13950.7	150.0	-59.5	-99.9	229.4	33.5	25.4	21.8	367.5	367.5	99.9	99.9	60.6	46.
48.2	127.7	15381.6	125.0	-63.1	-99.9	224.2	29.3	23.8	17.2	380.8	380.8	99.9	99.9	67.6	48.
47.8	135.3	16455.2	100.0	-61.2	-99.9	223.2	22.3	15.8	16.0	409.5	409.5	99.9	99.9	75.5	47.
54.4	144.3	18231.2	75.0	-62.9	-99.9	230.6	13.4	4.7	12.6	441.0	441.0	99.9	99.9	80.5	46.
64.2	154.0	20771.1	50.0	-55.2	-99.9	142.7	10.5	-6.3	8.3	513.5	513.5	99.9	99.9	83.3	44.
79.9	165.0	25276.6	25.0	-47.9	-99.9	99.9	99.9	99.9	99.9	647.8	647.8	99.9	99.9	86.3	41.

° 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

10 MAY 1979  
205 GMT

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TIME MLL	CNTRC	FLGHT GUM	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 M	E POT T DG M	HZ PTD CM/SEC	RM PCT	RANGE NM	AZ DG
0.0	15.5	873.0	900.1	28.9	13.9	160.0	10.3	-3.5	9.7	311.3	342.8	11.2	40.0	9.0	0.
0.1	15.5	93.9	1000.0	99.0	99.0	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.0	999.
0.2	15.5	99.4	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.0	999.
0.3	15.5	99.4	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.0	999.
0.4	15.5	99.4	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.0	999.
0.5	15.5	99.4	900.0	28.9	13.9	160.1	10.4	-3.5	9.8	311.3	342.8	11.2	40.0	9.0	0.
1.0	16.0	1174.1	473.0	27.5	14.1	167.3	17.4	-3.0	17.0	312.4	343.4	11.7	43.8	0.9	300.
2.0	20.0	1379.2	453.0	26.9	13.9	170.9	18.1	-2.9	17.9	312.2	343.4	11.8	50.3	2.0	300.
3.0	27.9	1681.4	425.0	23.0	9.5	179.6	17.9	-0.1	17.9	312.9	343.4	9.1	42.4	3.1	350.
4.0	27.4	1931.1	400.0	21.6	6.6	192.2	16.0	3.0	18.6	316.2	336.5	7.7	37.7	6.1	350.
5.0	27.9	2181.5	375.0	19.3	4.5	199.7	17.8	6.0	18.8	318.6	336.6	6.9	37.4	5.2	350.
6.0	37.5	2494.5	350.0	18.9	2.7	212.0	18.6	7.8	12.4	314.7	333.2	6.2	38.6	6.1	2.
7.0	33.1	2797.2	325.0	18.6	-3.1	221.9	13.4	8.9	9.9	315.5	329.2	4.2	29.4	6.8	6.
8.0	37.9	3097.5	300.0	18.3	-8.0	221.9	18.2	10.8	12.1	316.1	326.8	2.8	22.0	7.5	10.
9.0	37.4	3397.5	275.0	9.6	-13.0	224.8	17.6	12.4	12.5	316.4	322.7	2.0	17.9	9.5	15.
10.0	4.2	3697.1	250.0	8.9	-16.6	225.1	18.5	13.1	13.0	316.7	321.9	1.6	16.0	9.7	19.
11.0	4.2	3997.1	225.0	3.8	-17.3	223.8	17.8	12.2	12.7	316.8	321.9	1.6	16.5	11.1	22.
12.0	4.2	4297.1	200.0	0.5	-17.9	222.7	18.5	12.5	13.6	317.1	322.2	1.6	23.8	12.5	25.
13.0	4.2	4597.1	175.0	-2.5	-19.2	221.3	20.7	13.6	15.5	317.3	322.9	1.8	30.7	15.7	28.
14.0	4.2	4897.1	150.0	-9.1	-19.2	228.7	18.7	13.2	13.3	317.5	323.0	1.7	47.5	17.6	30.
15.0	4.2	5197.1	125.0	-8.9	-41.9	228.1	20.9	15.6	16.0	322.2	323.0	0.2	9.9	19.9	32.
16.0	4.2	5497.1	100.0	-12.2	-47.7	225.1	21.1	15.7	16.1	322.9	323.3	0.1	3.4	22.4	34.
17.0	4.2	5797.1	75.0	-16.0	-54.1	232.6	22.7	17.6	16.4	323.1	323.8	0.5	19.2	24.8	35.
18.0	4.2	6097.1	50.0	-19.2	-59.6	237.3	23.5	20.4	16.4	323.8	325.7	0.5	27.5	27.6	37.
19.0	4.2	6397.1	25.0	-22.1	-67.4	241.2	25.9	25.1	13.4	325.5	326.8	0.4	24.7	30.2	39.
20.0	4.2	6697.1	0.0	-24.9	-66.4	247.3	29.3	27.1	13.3	328.7	329.4	0.2	14.2	33.5	42.
21.0	4.2	6997.1	150.0	-24.1	-44.0	241.2	26.6	26.2	16.4	330.9	331.3	0.1	15.0	34.2	45.
22.0	4.2	7297.1	300.0	-32.3	-52.0	231.0	26.6	21.3	16.0	332.1	332.5	0.1	11.4	42.0	48.
23.0	4.2	7597.1	450.0	-37.2	-56.1	227.1	28.0	19.6	18.2	332.9	333.2	0.1	11.8	47.4	48.
24.0	4.2	7897.1	600.0	-41.9	-59.9	217.4	27.5	18.7	21.9	336.5	339.9	99.9	99.9	52.5	48.
25.0	4.2	8197.1	750.0	-41.9	99.9	215.0	28.0	15.5	21.4	335.2	399.9	99.9	99.9	57.8	45.
26.0	4.2	8497.1	900.0	-43.9	99.9	222.2	27.9	16.8	20.7	335.9	399.9	99.9	99.9	62.9	45.
27.0	4.2	8797.1	1050.0	-53.9	99.9	229.4	31.4	23.5	20.8	338.2	399.9	99.9	99.9	68.1	45.
28.0	4.2	9097.1	1200.0	-54.7	99.9	237.4	32.9	27.7	17.7	340.3	399.9	99.9	99.9	74.0	45.
29.0	4.2	9397.1	1350.0	-55.6	99.9	237.9	32.9	27.3	17.1	342.2	399.9	99.9	99.9	79.3	45.
30.0	4.2	9697.1	1500.0	-56.0	99.9	237.9	32.9	27.3	17.1	344.1	399.9	99.9	99.9	84.6	47.
31.0	4.2	9997.1	1650.0	-57.9	99.9	222.6	28.0	16.9	18.4	346.7	399.9	99.9	99.9	91.4	47.
32.0	4.2	10297.1	1800.0	-63.9	99.9	228.0	28.0	16.9	18.4	348.6	399.9	99.9	99.9	98.7	47.
33.0	4.2	10597.1	1950.0	-65.0	99.9	228.0	28.0	16.9	18.4	350.6	399.9	99.9	99.9	106.0	46.
34.0	4.2	10897.1	2100.0	-63.6	99.9	191.3	11.7	2.3	11.4	339.6	399.9	99.9	99.9	107.0	45.
35.0	4.2	11197.1	2250.0	-57.6	99.9	124.8	8.9	-7.3	8.1	307.7	399.9	99.9	99.9	107.0	45.
36.0	4.2	11497.1	2400.0	-48.6	99.9	99.9	99.9	99.9	99.9	651.2	999.9	99.9	99.9	101.7	42.

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









STATION NO. 270  
EL PASO, TEXAS

9 MAY 1979  
1405 GMT

TIME MIN	CNCT	HEIGHT GPM	PRES WB	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 RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.7	12.5	1143.3	970.2	15.2	4.3	273.3	1.0	1.0	0.0	300.1	316.3	5.9	47.0	0.0	0.
0.8	9.8	942.7	1020.0	17.9	9.7	92.7	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.9	5.0	542.9	975.0	22.0	12.3	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.0	4.3	942.9	952.0	22.0	12.3	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.1	9.3	942.9	942.0	22.0	12.3	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.2	9.3	942.9	925.0	22.0	12.3	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.3	21.5	1141.2	875.0	13.7	3.5	291.3	3.1	3.1	-0.6	300.5	313.7	4.7	40.3	0.1	168.
1.4	21.3	1642.3	875.0	12.7	-3.9	197.3	6.1	6.8	6.0	302.0	314.4	4.4	39.2	0.2	315.
1.5	21.5	1931.1	875.0	11.3	-1.7	210.4	9.5	6.8	8.2	303.2	315.3	4.4	40.4	0.6	15.
1.6	4.0	2164.5	775.0	11.0	-5.7	211.9	16.1	8.5	13.4	304.6	314.0	3.2	32.7	1.3	24.
1.7	11.7	2492.1	775.0	9.4	-8.7	204.1	21.4	10.4	18.7	305.7	314.0	2.8	30.2	2.7	28.
1.8	34.3	2715.3	775.0	5.9	-4.4	207.2	23.0	10.5	20.4	305.9	314.2	2.8	34.8	6.3	28.
1.9	24.5	3330.3	775.0	3.4	-3.5	230.6	20.8	10.3	18.1	306.2	314.1	2.6	37.9	5.9	28.
2.0	32.9	3234.4	675.0	3.6	-1.4	210.5	21.1	12.6	16.9	306.4	314.0	2.6	43.2	7.3	29.
2.1	6.5	1570.7	562.0	-2.6	-12.2	228.1	23.5	16.3	16.7	308.3	316.5	2.7	47.8	9.0	31.
2.2	11.4	67.4	625.0	-2.9	-12.4	231.9	27.7	21.8	17.1	309.3	316.2	2.3	45.7	10.7	34.
2.3	4.3	3231.4	602.0	-3.0	-14.2	232.3	16.2	29.4	17.5	312.0	317.6	1.8	36.8	12.9	38.
2.4	41.3	8504.3	575.0	-3.0	-14.3	231.1	35.6	33.2	19.9	315.5	320.1	1.4	28.8	16.1	42.
2.5	5.3	4114.4	525.0	-4.4	-22.2	230.9	39.7	32.9	22.2	318.9	322.7	1.2	23.4	19.5	45.
2.6	57.8	5244.4	525.0	-6.5	-23.3	234.2	31.1	22.5	32.0	320.6	324.1	1.0	23.5	22.8	46.
2.7	6.5	5664.5	575.0	-7.8	-24.7	236.3	37.9	30.6	22.3	323.6	326.1	0.7	16.8	26.8	47.
2.8	14.7	6361.7	475.0	-13.4	-34.1	232.4	37.6	29.8	22.9	325.1	326.6	0.4	12.2	28.2	48.
2.9	67.0	6474.7	525.0	-14.1	-33.5	232.7	37.2	28.8	23.6	325.5	327.3	0.5	17.5	33.1	49.
3.0	7.4	4205.6	425.0	-17.9	-35.2	233.0	35.9	26.8	23.3	326.1	327.7	0.4	20.1	36.8	49.
3.1	74.0	7355.5	425.0	-21.7	-34.4	229.5	38.6	29.5	25.0	326.7	328.0	0.3	20.4	40.6	49.
3.2	77.6	7323.0	375.0	-24.5	-42.3	228.9	39.9	30.1	26.2	329.2	330.1	0.2	17.2	44.6	49.
3.3	81.4	4321.2	362.0	-29.1	-45.7	226.3	34.5	27.6	28.3	330.9	331.5	0.2	15.6	48.8	49.
3.4	8.3	4455.0	325.0	-32.2	-49.4	221.0	34.8	22.8	26.3	331.4	331.9	0.1	17.1	52.8	48.
3.5	42.5	4411.4	330.0	-34.4	-49.3	221.9	35.2	23.5	26.2	331.3	331.9	99.9	999.9	57.1	48.
3.6	93.4	13303.2	275.0	-41.0	-52.3	221.5	35.6	27.4	23.2	331.6	331.6	99.9	999.9	61.2	47.
3.7	94.3	13635.7	250.0	-43.5	-54.9	230.4	37.7	31.4	20.9	332.5	331.9	99.9	999.9	66.2	48.
3.8	103.2	11317.7	225.0	-55.1	-70.3	241.4	33.8	29.7	18.2	334.1	330.5	99.9	999.9	70.9	49.
3.9	14.2	12354.9	202.0	-60.6	-74.9	241.9	41.4	36.5	19.5	336.8	330.9	99.9	999.9	74.3	50.
4.0	11.9	12979.1	175.0	-66.6	-82.3	235.2	43.0	35.3	24.5	340.1	330.9	99.9	999.9	83.4	50.
4.1	11.9	13420.7	150.0	-69.4	-84.2	240.9	34.3	19.1	19.1	349.4	330.4	99.9	999.9	91.7	51.
5.1	12.3	14375.3	125.0	-67.2	-82.3	211.3	34.9	18.2	29.8	391.4	330.9	99.9	999.9	100.2	51.
5.2	13.0	16352.3	100.0	-61.6	-88.3	231.7	26.1	20.5	16.2	408.6	330.9	99.9	999.9	104.6	49.
6.1	14.7	14154.4	75.0	-62.3	-92.9	208.1	16.2	6.3	12.8	466.5	330.9	99.9	999.9	112.6	50.
6.2	15.2	23725.1	50.0	-56.0	-99.3	144.3	9.0	-5.3	7.3	516.2	330.9	99.9	999.9	115.9	49.
81.7	16.5	25235.3	25.0	-46.3	-98.7	88.7	16.5	-16.5	-0.4	631.6	330.9	99.9	999.9	111.7	47.

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

STATION NO. 270  
EL PASO, TEXAS

9 MAY 1979  
1705 GMT

TIME MIN	CNCT	WEIGHT GPM	PRES HG	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	MK RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	17.6	1193.7	876.0	22.2	-4.0	270.0	7.7	7.7	0.0	307.4	317.1	3.3	17.0	0.9	0.
39.3	9.9	99.9	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	953.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.9	9.9	99.9	925.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19.9	9.9	99.9	903.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
24.9	9.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29.9	9.9	99.9	850.0	17.7	-1.2	234.6	12.1	9.9	7.0	304.7	314.6	9.1	27.7	0.4	83.
3.7	24.1	1646.1	825.0	15.1	-3.4	234.0	11.2	9.0	6.6	304.5	315.0	3.6	27.6	1.8	64.
7.4	27.5	1725.5	803.0	13.2	-4.9	214.6	13.1	7.4	18.8	309.2	314.9	3.3	27.9	1.8	57.
11.1	27.7	2171.7	775.0	11.5	-6.4	205.9	14.9	6.5	13.4	306.2	313.2	3.1	27.9	2.5	48.
14.8	31.9	2444.5	752.0	9.2	-7.5	205.6	15.9	6.9	14.4	306.6	315.2	2.9	29.7	3.3	42.
18.5	35.6	2724.1	725.0	6.5	-8.7	206.4	17.1	7.6	15.3	306.6	314.0	2.7	32.0	4.2	38.
22.2	37.3	3112.4	700.0	3.5	-9.0	206.4	19.2	8.4	17.2	306.4	314.6	2.6	39.4	5.2	36.
25.9	4.1	3374.1	675.0	0.5	-9.2	206.6	20.7	9.3	18.5	306.3	314.6	2.6	47.9	6.2	34.
29.6	8.9	3635.6	650.0	-2.1	-10.1	213.0	21.5	11.7	18.0	306.6	314.7	2.7	56.4	7.3	34.
33.3	4.9	3897.1	625.0	-4.1	-12.2	222.3	23.4	15.7	17.3	307.8	315.0	2.4	53.1	8.5	36.
37.0	4.7	4237.4	600.0	-6.0	-14.0	228.0	25.4	18.1	16.1	309.2	315.0	2.2	53.0	9.8	36.
40.7	5.1	4577.4	575.0	-8.5	-15.3	236.8	27.3	20.2	15.1	312.4	317.5	1.6	40.0	11.0	39.
44.4	5.9	4917.4	550.0	-6.5	-22.9	237.3	29.3	22.9	14.8	316.4	320.0	1.1	26.2	14.3	43.
48.1	5.4	5257.3	525.0	-5.6	-31.1	237.8	31.1	32.2	20.3	321.7	323.6	0.5	11.5	18.5	46.
51.8	6.1	5602.9	500.0	-8.1	-33.9	238.0	33.9	33.9	21.2	323.1	324.6	0.4	10.4	22.1	48.
55.5	6.1	5952.9	475.0	-11.3	-35.9	235.6	36.3	32.4	22.2	324.0	325.5	0.4	12.0	24.8	49.
59.2	6.5	6302.9	450.0	-13.9	-35.8	230.5	38.7	30.6	25.2	325.8	327.2	0.4	13.8	27.4	49.
62.9	7.1	6652.9	425.0	-16.4	-38.0	229.1	40.6	30.7	26.6	327.3	328.7	0.3	13.9	30.4	49.
66.6	7.6	7002.9	400.0	-20.0	-43.4	228.0	38.9	28.9	28.0	329.0	330.0	0.3	14.2	34.2	49.
70.3	7.3	7352.9	375.0	-24.2	-43.6	230.8	37.0	29.3	23.9	329.6	330.4	0.2	14.6	38.7	49.
74.0	7.1	7702.9	350.0	-28.0	-45.2	232.7	35.8	31.6	23.1	331.0	331.7	0.2	17.3	43.5	50.
77.7	6.0	8052.9	325.0	-32.1	-48.5	231.4	32.5	25.4	20.3	332.5	333.0	0.1	17.7	47.9	50.
81.4	9.3	8402.9	300.0	-37.3	-52.7	228.5	30.4	27.3	21.1	332.8	333.1	0.1	19.1	51.2	50.
85.1	9.7	8752.9	275.0	-42.3	-59.9	224.8	28.0	29.6	22.8	334.0	334.0	0.1	19.9	55.0	50.
88.8	9.3	9102.9	250.0	-48.4	-64.4	224.3	25.3	25.3	22.9	334.2	334.2	0.1	19.9	59.0	49.
92.5	10.2	9452.9	225.0	-54.4	-69.3	226.9	28.1	28.1	23.3	335.2	335.2	0.1	19.9	64.5	49.
96.2	10.1	9802.9	200.0	-60.3	-74.3	230.4	30.0	30.0	23.8	337.3	337.3	0.1	19.9	70.0	49.
99.9	10.1	10152.9	175.0	-66.0	-79.9	229.6	32.9	32.9	24.0	341.1	339.9	0.1	19.9	75.9	49.
103.6	11.3	10502.9	150.0	-72.1	-85.6	236.9	36.6	36.6	23.9	347.4	339.9	0.1	19.9	81.9	49.
107.3	12.5	10852.9	125.0	-78.2	-91.9	224.7	32.6	32.6	23.2	349.7	339.9	0.1	19.9	87.9	50.
111.0	13.7	11202.9	100.0	-84.2	-98.2	99.9	99.9	99.9	99.9	411.4	99.9	99.9	99.9	99.9	99.9
114.7	9.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
118.4	9.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
122.1	9.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* 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. 270  
EL PASO, TEXAS

9 MAY 2025 GMT 1979

150 15. 0

TIME	ENCLT	HEIGHT	PRES	TEMP	DEF BT	DIR	SPEED	U COMP	V COMP	POT T	E P T F	MR RFD	RM	RANGE	AZ
MM		GM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KM	DEG
000	1507	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
005	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
010	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
015	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
020	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
025	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
030	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
035	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
040	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
045	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
050	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
055	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
060	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
065	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
070	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
075	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
080	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
085	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
090	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
095	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
100	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
105	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
110	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
115	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
120	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
125	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
130	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
135	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
140	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
145	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0
150	0000	18300	80246	28.1	-0.9	270.0	8.8	0.0	0.0	3026	328.9	4.2	12.0	0.0	0.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE AT TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG



STATION NO. 270  
EL PASO, TEXAS

9 MAY 1979  
2305 GMT

150 12. 0

TIME MIN	CMTCY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POY T DG K	E PUT Y DG K	WX RTO GM/KG	RM PCT	RANGE K4	AZ DG
0.2	19.0	1193.0	870.5	19.0	2.0	330.0	11.3	5.7	-9.0	300.0	310.4	5.1	32.0	0.0	0.
0.8	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	21.0	139.5	850.0	14.7	2.4	308.3	10.2	0.0	-0.3	301.0	310.4	5.4	43.4	0.0	133.
2.0	21.5	148.4	825.0	12.6	2.5	281.4	11.5	10.7	-0.2	302.1	317.0	5.6	48.7	1.6	120.
3.0	24.0	158.4	800.0	10.3	1.5	293.6	13.4	13.1	-3.2	302.2	317.2	5.3	50.0	2.6	120.
4.0	29.6	210.9	775.0	9.6	0.8	285.4	16.2	18.2	1.3	304.0	318.9	5.3	50.9	3.3	113.
4.9	31.2	248.1	750.0	6.8	-0.3	293.1	19.0	19.0	5.0	306.0	318.2	5.0	60.6	4.0	106.
5.4	33.2	271.9	725.0	7.1	-1.1	297.4	19.2	18.2	10.4	307.3	321.4	4.9	53.0	6.0	90.
6.4	36.6	320.1	700.0	5.2	-2.7	274.1	19.0	13.2	13.7	308.2	321.3	4.5	54.7	5.5	91.
7.5	37.3	330.3	675.0	3.1	-6.0	214.0	20.1	11.3	16.7	309.1	321.5	4.2	53.7	6.2	83.
9.5	42.9	369.1	650.0	1.5	-5.3	208.9	24.1	11.6	21.1	310.7	322.5	4.0	60.2	7.0	75.
9.5	44.9	397.1	625.0	-0.6	-9.6	204.0	29.0	11.0	26.5	311.7	320.7	3.0	50.0	8.2	67.
12.7	47.9	428.1	600.0	-3.0	-12.0	205.0	31.0	13.5	27.9	312.7	320.5	2.5	49.7	9.9	57.
12.7	53.9	458.0	575.0	-4.9	-17.1	219.1	32.3	20.4	25.1	316.2	319.7	1.7	37.7	12.0	52.
13.4	51.9	473.1	550.0	-4.8	-4.5	212.0	35.7	20.2	22.0	310.4	319.0	0.2	3.4	15.7	51.
15.1	6.9	529.1	525.0	-5.9	-40.8	219.3	39.2	33.7	20.0	321.3	322.0	0.2	0.3	18.5	52.
17.2	7.9	587.2	500.0	-8.9	-47.0	230.0	41.6	30.0	20.0	322.2	322.9	0.2	4.8	21.2	53.
17.5	63.1	607.5	475.0	-12.1	-39.5	237.7	41.5	35.1	22.2	323.1	323.0	0.3	6.0	24.4	54.
18.4	66.5	649.7	450.0	-15.5	-41.6	238.0	41.80	35.4	22.1	323.0	323.6	0.2	0.5	27.9	54.
20.5	73.0	681.7	425.0	-19.6	-43.5	235.3	43.30	34.0	24.7	323.2	323.9	0.2	0.0	31.0	55.
21.9	73.4	732.2	400.0	-22.4	-43.8	233.5	42.20	34.0	25.1	325.9	326.7	0.2	12.1	35.7	56.
23.0	77.2	783.7	375.0	-24.4	-45.3	235.5	43.50	35.9	24.7	329.3	330.0	0.2	12.3	39.0	54.
25.7	81.0	831.7	350.0	-28.6	-50.2	244.3	44.10	38.4	25.7	330.2	330.7	0.1	10.3	45.	55.
27.9	85.5	885.6	325.0	-31.9	-52.5	252.2	46.50	38.1	24.2	332.0	333.1	0.1	10.0	51.7	56.
29.7	89.0	947.0	300.0	-36.2	-55.5	262.6	42.50	33.6	25.0	334.6	334.7	0.1	11.4	55.1	56.
31.7	93.3	1031.5	275.0	-41.2	-54.9	271.2	44.00	34.8	27.9	335.6	337.9	0.1	99.9	59.0	58.
33.2	94.0	1065.4	250.0	-47.5	-59.9	281.4	45.90	35.9	28.0	335.5	337.0	0.1	99.9	64.0	54.
35.5	103.9	1135.1	225.0	-53.2	-59.9	292.5	42.40	33.4	25.0	337.0	337.0	0.1	99.9	70.3	54.
37.0	109.0	1203.1	200.0	-59.5	-59.9	288.7	47.30	35.5	31.1	338.5	338.5	0.1	99.9	77.5	53.
47.7	113.0	1291.9	175.0	-65.4	-59.9	283.2	45.00	31.4	33.3	342.0	342.0	0.1	99.9	84.0	52.
48.7	119.5	1363.4	150.0	-58.9	-59.9	296.0	44.00	37.1	24.3	340.6	340.6	0.1	99.9	92.2	52.
46.0	126.7	1502.7	125.0	-59.8	-59.9	290.1	36.90	31.9	18.0	340.6	340.6	0.1	99.9	100.5	53.
52.0	133.0	1640.3	100.0	-60.0	-59.9	214.0	21.70	12.2	10.0	411.7	411.7	0.1	99.9	106.0	53.
56.0	142.7	1819.7	75.0	-57.4	-59.9	221.3	16.70	11.0	12.4	432.0	432.0	0.1	99.9	112.2	53.
63.3	152.5	2073.0	50.0	-55.1	-59.9	137.5	0.0	-5.7	0.2	613.7	613.7	0.1	99.9	114.0	52.
75.2	163.0	2526.1	25.0	-67.5	-59.9	99.9	99.9	99.9	99.9	647.7	647.7	0.1	99.9	111.0	50.

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







STATION NO. 270  
EL PASO, TEXAS  
10 MAY 1979  
1105 GMT

151 16 0

TEMP MIN	ENTCY	HEIGHT GDM	PRES MB	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WZ RTO GN/KG	RM PCT	RANGE KS	AZ DG
0.0	17.6	1193.0	877.0	11.7	-6.2	330.0	4.1	2.1	-3.6	295.8	303.6	2.7	28.0	0.0	0
94.9	92.9	1002.0	1002.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	975.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	950.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	925.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	900.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	875.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	850.0	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	825.0	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	800.0	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	775.0	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	750.0	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	725.0	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	700.0	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	675.0	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	650.0	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	625.0	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	600.0	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	575.0	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	550.0	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	525.0	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	500.0	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	475.0	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	450.0	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	425.0	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	400.0	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	375.0	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	350.0	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	325.0	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	300.0	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	275.0	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	250.0	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	225.0	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	200.0	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	175.0	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	150.0	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	125.0	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	100.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	75.0	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	50.0	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	25.0	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999
94.9	94.9	0.0	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999

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

STATION NO. 327  
NASHVILLE, TENNESSEE

9 MAY 1979  
1100 GMT

159 21. 0

TIME MIN	ENCT	HEI:HT GPM	PRES MB	TEMP DG C	DEW PT DU CT	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MAX WIND GMPKG	RM PCT	RANGE NM	AZ DG
0.0	7.4	180.0	993.5	19.0	16.7	130.0	1.0	-0.6	0.6	291.7	322.9	12.1	92.0	0.0	0.
09.9	99.9	1003.0	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.6	9.1	362.5	975.0	19.9	17.6	99.9	99.9	99.9	99.9	295.2	31.3	13.1	86.6	99.9	99.9
1.5	11.4	566.9	970.0	19.7	16.3	99.9	99.9	99.9	99.9	296.2	326.7	12.4	85.8	99.9	99.9
2.4	13.7	796.3	925.0	17.4	14.8	177.6	14.4	-0.6	11.5	297.1	327.6	11.5	85.9	1.5	349.
3.2	16.1	1030.3	903.0	15.4	13.6	179.5	14.6	-0.1	14.6	297.8	326.9	11.0	86.9	2.3	352.
6.1	18.5	1269.1	875.0	14.2	12.1	195.2	11.3	3.0	10.9	298.5	326.3	10.4	88.8	3.0	355.
7.3	21.0	1514.3	853.0	13.9	11.8	202.9	8.0	3.1	7.4	300.7	326.5	10.3	87.3	3.4	359.
7.3	21.4	1767.3	825.0	11.9	10.0	191.9	6.1	1.3	5.9	301.1	326.8	9.4	86.5	3.8	1.
7.9	25.9	2323.5	803.0	10.4	8.3	174.1	6.2	-0.6	6.1	302.8	326.5	8.6	83.8	6.1	1.
7.9	25.4	2249.0	775.0	10.4	6.2	159.6	5.3	-2.2	4.8	305.0	326.6	7.7	75.1	4.4	360.
8.9	31.7	2611.4	750.0	6.9	4.5	156.5	6.3	-2.5	5.7	306.2	326.3	7.1	74.7	4.7	358.
9.4	31.7	2462.3	725.0	7.2	2.1	159.9	6.2	-2.4	5.7	307.4	326.9	6.2	69.7	5.1	357.
10.9	34.3	3133.7	700.0	6.1	-2.2	154.9	5.5	-2.3	5.0	309.3	324.9	4.7	52.5	5.4	355.
12.3	34.3	3827.9	675.0	4.6	-4.2	149.7	4.7	-2.4	4.1	310.8	323.1	4.1	52.5	5.7	354.
13.2	41.9	3714.9	653.0	2.7	-3.1	125.4	4.5	-3.7	2.6	312.1	323.9	4.7	65.3	6.0	352.
14.3	48.4	4751.1	625.0	0.1	-6.6	131.2	6.2	-4.7	4.1	312.5	323.5	4.4	70.8	6.2	350.
14.3	48.4	4377.5	603.0	-1.9	-6.6	116.4	5.9	-4.1	4.3	316.0	323.7	3.9	70.2	6.6	348.
14.8	52.2	4715.3	575.0	-3.0	-12.3	143.6	4.2	-1.2	4.0	316.5	324.0	2.7	50.4	7.0	346.
14.8	52.1	5767.3	550.0	-5.0	-17.0	227.6	3.2	2.4	2.2	318.2	324.0	1.8	38.1	7.2	347.
14.3	50.1	5831.3	525.0	-9.0	-18.8	213.6	3.0	1.6	2.5	318.9	324.3	1.7	42.2	7.3	349.
27.7	57.3	5909.1	500.0	-10.0	-23.0	210.2	2.4	1.2	2.1	320.8	324.2	1.0	28.1	7.4	350.
27.1	62.4	6292.7	475.0	-12.7	-32.4	192.0	1.5	0.3	1.5	322.3	324.1	0.5	17.6	7.6	351.
23.5	65.7	6512.7	450.0	-16.2	-36.5	165.5	0.8	-0.2	0.8	322.9	324.2	0.4	15.4	7.6	350.
24.3	64.9	7043.4	425.0	-19.9	-41.9	245.2	2.7	2.4	1.1	324.8	324.8	0.0	1.0	7.7	351.
24.5	72.4	7495.2	400.0	-22.6	-64.3	249.3	3.8	3.8	0.1	325.6	325.7	0.0	1.0	7.7	350.
24.2	74.0	7452.3	375.0	-26.9	-60.4	247.3	3.7	3.4	1.4	326.1	326.2	0.0	2.5	7.7	350.
26.8	77.7	4452.3	350.0	-30.8	-62.1	228.5	4.1	2.9	3.0	327.2	327.3	0.0	3.9	7.9	348.
31.5	87.6	8773.2	325.0	-35.2	-64.2	220.0	5.6	3.6	4.3	328.1	327.2	0.0	3.4	8.3	1.
31.5	87.6	7526.1	303.0	-39.7	-64.9	217.0	7.3	4.4	5.9	329.5	999.9	99.9	999.9	9.0	4.
31.5	91.4	10111.1	275.0	-43.9	-71.9	213.4	7.5	5.1	5.4	331.7	974.9	99.9	999.9	9.7	7.
37.7	94.2	10744.9	250.0	-48.1	-94.9	213.4	7.5	6.1	4.1	334.6	999.9	99.9	999.9	10.5	10.
40.0	101.0	11436.3	225.0	-52.0	-99.9	241.7	6.6	7.6	4.1	338.9	999.9	99.9	999.9	11.2	14.
42.5	104.0	12174.4	200.0	-54.9	-99.9	250.7	13.1	12.7	3.0	345.9	999.9	99.9	999.9	12.1	21.
45.3	111.3	13037.9	175.0	-60.3	-99.9	250.3	14.6	14.1	3.5	350.5	999.9	99.9	999.9	13.5	30.
49.5	117.3	13794.4	150.0	-62.1	-99.9	250.3	17.1	16.1	2.4	363.1	999.9	99.9	999.9	15.8	36.
52.2	124.0	15113.0	125.0	-65.3	-99.9	261.9	17.1	16.9	2.8	376.8	999.9	99.9	999.9	18.9	44.
56.1	131.3	16469.1	100.0	-67.1	-99.9	264.5	13.5	13.4	1.1	398.2	999.9	99.9	999.9	22.0	51.
61.4	140.0	18206.7	75.0	-65.3	-99.9	262.9	9.8	9.7	1.2	416.0	999.9	99.9	999.9	25.0	55.
68.6	150.5	20715.0	50.0	-59.5	-99.9	348.4	4.8	1.2	-0.7	503.3	999.9	99.9	999.9	26.3	58.
82.0	162.5	25168.5	25.0	-68.3	-99.9	189.3	6.2	1.0	6.1	666.1	999.9	99.9	999.9	23.9	60.

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

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 327  
NASHVILLE, TENNESSEE

9 MAY 1979  
1410 GMT

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TIME MIN	CHTCY	HEIGHT GDA	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT F DG K	E POT T DG K	MR WTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	6.0	189.0	996.6	23.1	19.7	140.0	1.5	-1.0	1.1	296.7	335.0	14.7	81.0	0.0	0.
9.9	99.9	99.9	1003.0	23.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.7	0.6	352.4	975.0	19.7	17.7	999.9	99.9	99.9	99.9	295.0	329.3	13.2	88.0	999.9	999.9
1.4	10.9	570.7	950.0	18.2	17.0	999.9	99.9	99.9	99.9	295.7	329.5	13.0	92.0	999.9	999.9
2.3	12.9	805.5	925.0	17.2	16.5	999.9	99.9	99.9	99.9	296.0	329.8	11.3	84.2	999.9	999.9
3.2	15.1	1037.4	900.0	15.3	13.7	182.5	9.8	0.4	9.8	297.2	329.4	11.0	90.2	1.4	350.
4.3	17.3	1279.6	875.0	14.4	12.6	183.4	7.4	0.4	7.4	298.7	327.0	10.6	89.3	1.9	358.
5.3	19.5	1529.5	850.0	14.6	9.3	177.7	7.6	-0.3	7.6	301.4	325.1	8.7	70.5	2.4	353.
6.3	21.8	1776.7	825.0	13.1	10.1	170.5	6.3	-1.0	6.2	302.4	325.3	9.5	82.5	2.8	355.
7.2	24.1	2038.7	800.0	10.9	9.2	160.5	6.0	-2.0	5.7	302.8	327.9	9.2	89.0	3.1	356.
8.1	26.5	2292.4	775.0	8.5	7.4	150.3	6.1	-3.0	5.3	303.0	329.1	8.4	92.5	3.5	352.
9.0	28.9	2547.4	750.0	7.9	3.7	147.0	6.2	-4.4	6.7	305.2	329.1	6.7	75.4	3.9	349.
9.9	31.3	2802.6	725.0	6.0	-0.4	148.8	9.2	-6.7	7.8	308.2	323.0	5.1	53.4	4.4	348.
10.8	33.6	3057.6	700.0	6.2	-2.5	155.3	9.7	-4.1	8.8	309.4	322.8	4.6	53.6	5.1	348.
11.7	35.1	3312.7	675.0	4.2	-1.3	160.1	8.7	-2.1	8.5	310.4	325.5	5.2	67.4	5.7	344.
12.6	36.1	3567.8	650.0	2.5	-3.5	173.5	8.3	-1.4	8.2	311.8	325.2	4.6	64.5	6.3	345.
13.5	38.2	3822.9	625.0	0.3	-6.2	169.9	8.9	-2.3	8.6	312.8	329.5	4.6	73.1	6.9	345.
14.4	41.2	4078.0	600.0	-1.3	-10.3	172.4	8.1	-1.1	8.0	314.7	323.6	2.9	53.3	7.5	345.
15.3	43.9	4333.1	575.0	-2.7	-14.4	191.7	6.2	1.3	6.1	316.9	321.5	1.4	28.2	8.1	348.
16.2	46.6	4588.2	550.0	-4.8	-23.2	181.4	4.4	0.1	4.4	318.4	322.0	1.1	22.0	8.8	348.
17.1	49.3	4843.3	525.0	-7.2	-29.9	191.1	2.6	0.5	2.5	319.8	321.8	0.6	14.2	9.0	349.
18.0	51.9	5098.4	500.0	-9.7	-38.1	219.5	2.6	1.7	2.0	321.3	322.2	0.3	7.1	9.1	350.
18.9	54.6	5353.5	475.0	-12.7	-50.0	238.5	2.3	1.9	1.2	322.2	322.3	0.0	1.0	9.1	350.
19.8	57.9	5608.6	450.0	-15.5	-59.6	250.7	4.6	4.3	1.5	323.7	323.8	0.0	1.0	9.1	351.
20.7	61.0	5863.7	425.0	-18.4	-51.7	255.7	6.6	6.4	1.6	325.2	325.3	0.0	1.0	9.2	355.
21.6	64.0	6118.8	400.0	-22.7	-34.5	260.6	5.4	5.3	0.9	325.4	325.4	0.0	1.0	9.3	359.
22.5	67.3	6373.9	375.0	-27.0	-67.2	255.7	5.0	4.8	1.2	325.9	325.9	0.0	1.0	9.4	2.
23.4	70.6	6629.0	350.0	-30.7	-69.6	247.1	5.3	4.9	2.1	327.4	327.5	0.0	1.0	9.6	5.
24.3	73.6	6884.1	325.0	-34.7	-72.3	225.4	6.3	6.5	4.4	328.8	328.8	0.0	1.0	10.0	8.
25.2	76.0	7139.2	300.0	-38.7	-75.0	204.3	6.0	2.8	6.2	330.7	330.7	0.0	1.0	10.8	10.
26.1	78.6	7394.3	275.0	-43.1	-94.9	204.6	6.3	2.6	5.8	332.8	332.8	99.9	99.9	11.5	11.
27.0	81.3	7649.4	250.0	-46.8	-94.9	194.3	8.6	2.1	8.3	336.5	336.5	99.9	99.9	12.5	11.
27.9	84.3	7904.5	225.0	-49.6	-97.2	225.0	10.7	7.6	7.6	342.5	342.5	99.9	99.9	14.9	17.
28.8	87.3	8159.6	200.0	-55.0	-97.9	240.7	11.9	10.4	5.0	345.8	345.8	99.9	99.9	16.4	22.
29.7	90.4	8414.7	175.0	-59.6	-94.9	238.3	10.5	16.6	-2.0	351.5	351.5	99.9	99.9	18.1	27.
30.6	93.4	8669.8	150.0	-62.6	-94.9	230.2	16.1	15.8	2.9	362.3	362.3	99.9	99.9	20.5	34.
31.5	96.4	8924.9	125.0	-63.9	-99.9	260.6	17.6	17.3	2.9	379.3	379.3	99.9	99.9	23.3	62.
32.4	99.4	9180.0	100.0	-64.6	-99.9	237.9	13.8	13.5	2.9	403.0	403.0	99.9	99.9	25.9	67.
33.3	102.4	9435.1	75.0	-61.9	-99.4	257.4	7.9	7.7	1.7	443.3	443.3	99.9	99.9	25.7	48.
34.2	105.4	9690.2	50.0	-60.2	-99.9	288.2	3.4	3.3	-0.8	501.6	501.6	99.9	99.9	23.9	47.
35.1	108.5	9945.3	25.0	-48.3	-99.9	283.4	2.7	2.7	0.3	646.1	646.1	99.9	99.9	23.9	47.

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

STATION NO. 327  
NASHVILLE, TENNESSEE

9 MAY 1979  
1710 GMT

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TIME MIN	CATCY	WEIGHT GMM	PRES MB	TEMP C	WIND DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POT DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	7.5	140.0	230.3	29.0	150.0	4.0	-2.3	4.0	331.7	341.1	14.8	61.0	0.0	0.
0.0	9.0	92.9	1000.0	29.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1.1	9.3	322.5	375.0	21.5	15.7	5.3	-0.6	5.3	248.8	329.6	11.6	61.6	0.3	354.
2.4	11.6	572.0	450.0	21.3	14.4	5.7	-0.6	5.6	278.0	329.7	11.2	66.4	0.7	354.
3.6	14.0	937.0	425.0	19.0	13.6	6.5	-0.5	6.5	278.8	327.3	10.7	70.8	1.2	354.
4.6	14.5	1945.0	325.0	17.2	13.0	7.0	-0.4	7.0	299.3	327.6	10.6	76.3	1.6	353.
5.5	14.7	1248.0	275.0	17.2	13.2	7.4	0.1	7.4	299.2	329.6	11.0	89.9	2.0	355.
6.4	21.4	1233.2	250.0	12.9	11.0	8.0	0.2	8.0	299.7	327.5	10.4	93.2	2.4	357.
7.3	24.5	1711.1	225.0	11.7	9.2	8.1	-1.0	8.0	331.0	325.3	9.9	86.6	2.8	357.
8.3	26.5	2313.4	190.0	10.4	8.3	7.1	-2.4	6.7	332.2	326.8	9.0	90.6	3.3	356.
9.3	28.1	3132.7	175.0	8.9	7.5	8.0	-2.8	7.5	333.3	326.8	8.5	92.5	3.7	353.
10.3	31.4	4051.7	155.0	7.2	4.2	8.0	-2.8	7.5	330.6	326.1	8.9	70.6	4.2	352.
11.4	34.5	5051.4	125.0	7.5	1.5	8.1	-2.5	7.8	337.7	324.7	9.9	65.4	4.7	350.
12.5	37.2	6148.5	100.0	5.9	-1.2	8.6	-2.0	8.4	339.1	323.0	9.0	57.1	5.2	350.
13.7	41.0	7342.3	75.0	5.3	-2.4	9.0	-2.9	9.3	311.8	325.9	8.8	57.0	5.9	349.
14.4	47.4	8732.0	50.0	3.2	-2.5	10.9	-3.1	10.5	312.6	327.0	4.9	66.3	6.6	349.
15.1	45.7	10372.4	25.0	1.6	-3.6	11.4	0.2	11.4	314.3	324.1	4.6	67.4	7.4	349.
16.1	44.6	12172.4	25.0	-0.6	-8.9	9.3	0.2	8.7	315.5	325.4	3.2	53.1	8.1	351.
17.1	41.5	14052.7	25.0	-3.1	-10.1	7.5	3.3	6.7	316.4	325.9	3.1	59.4	8.6	353.
18.0	51.5	16152.2	25.0	-4.8	-19.4	6.8	2.5	6.3	318.3	323.2	1.5	31.2	9.1	355.
19.0	54.5	18452.2	25.0	-6.4	-33.7	5.4	2.4	4.8	320.7	322.2	0.4	9.2	9.6	356.
20.4	57.8	21052.2	25.0	-9.1	-35.5	4.6	2.8	3.7	322.0	323.3	0.4	9.5	9.9	358.
21.4	61.3	23752.4	25.0	-12.5	-42.4	3.4	2.9	1.7	322.6	323.2	0.2	6.0	10.2	359.
22.2	64.3	26752.4	25.0	-14.5	-48.3	2.8	2.9	1.7	324.3	324.7	0.1	4.0	10.7	3.
23.4	67.7	30052.7	25.0	-19.5	-49.4	2.6	4.5	3.6	325.3	325.7	0.1	4.4	10.7	3.
24.9	74.9	33752.9	25.0	-22.4	-51.9	2.2	4.5	3.8	325.9	326.2	0.1	4.8	11.0	5.
26.0	73.6	37952.9	25.0	-25.8	-54.5	1.9	5.8	4.5	326.1	326.3	0.1	5.3	11.5	8.
27.5	82.5	42752.5	25.0	-31.0	-52.4	1.6	7.0	6.1	327.0	327.3	0.1	9.6	12.2	11.
28.4	81.5	47752.3	25.0	-35.0	-54.0	1.3	6.5	6.8	327.6	327.9	0.1	13.1	13.2	14.
29.5	93.7	52852.4	25.0	-39.2	-59.9	1.0	2.7	10.3	332.2	327.9	0.1	999.9	14.3	15.
30.5	93.0	58052.4	25.0	-43.7	-64.4	1.0	2.7	13.0	331.9	327.9	0.1	999.9	15.7	15.
31.5	93.6	63452.4	25.0	-45.5	-69.9	1.3	2.9	10.4	330.4	327.9	0.1	999.9	17.3	16.
32.4	104.5	69052.2	25.0	-49.5	-77.9	1.2	6.3	8.8	346.7	327.9	0.1	999.9	18.8	16.
33.2	104.8	74952.5	25.0	-54.3	-79.9	1.1	10.0	9.9	346.7	327.9	0.1	999.9	20.5	20.
34.4	115.5	81052.3	25.0	-57.4	-79.9	1.2	10.1	7.0	351.9	327.9	0.1	999.9	22.2	23.
35.4	121.9	87452.3	25.0	-61.5	-99.9	1.6	14.6	7.7	364.2	327.9	0.1	999.9	24.1	26.
36.6	129.7	94352.3	25.0	-64.0	-99.9	1.8	17.9	3.9	374.0	327.9	0.1	999.9	26.6	31.
37.3	135.3	101852.5	25.0	-65.5	-99.9	1.7	13.4	3.9	403.6	327.9	0.1	999.9	29.0	37.
38.8	145.0	109752.5	25.0	-63.6	-99.9	1.1	7.1	-0.2	430.6	327.9	0.1	999.9	31.0	41.
39.4	154.0	118252.4	25.0	-59.8	-99.9	1.7	-0.3	2.9	502.5	327.9	0.1	999.9	31.2	41.
39.4	93.0	92.4	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

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



STATION NO. 327  
 MASHVILLE, TENNESSEE

9 MAY 1979  
 2001 GMT

TIME M14	CNCT	WEIGHT G/M	PRES MB	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/EG	RM PCT	RANGE KM	AZ DG
0.7	6.9	180.3	992.7	27.1	16.7	170.0	4.1	-0.7	4.0	300.9	337.7	13.6	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	99.9	999.9	999.9
0.6	9.5	335.7	975.3	28.5	17.4	163.5	5.7	-1.6	5.4	299.8	334.3	13.0	61.5	0.2	358.
1.4	13.9	555.0	950.0	28.4	16.4	158.7	4.9	-1.8	4.6	299.9	333.2	12.5	61.1	0.5	366.
2.6	13.3	797.5	925.0	20.1	16.0	158.7	4.4	-1.6	4.1	299.8	333.2	12.5	77.6	0.8	363.
3.7	15.7	1033.6	900.0	18.1	14.8	178.7	4.7	-0.4	4.7	300.1	331.9	11.9	81.2	1.1	363.
4.4	19.1	1274.6	875.0	16.3	13.7	181.1	5.0	0.1	5.6	300.7	331.1	11.3	81.5	1.4	347.
5.5	23.6	1521.1	850.0	14.5	12.3	181.0	5.7	0.1	5.7	301.3	330.1	10.6	80.6	1.7	350.
6.4	21.1	1773.2	825.0	12.4	11.3	167.3	5.6	-1.2	5.4	301.3	329.7	10.3	82.9	2.0	350.
7.7	25.6	2014.9	800.0	11.4	9.6	164.6	6.6	-1.8	6.4	303.3	329.1	9.4	89.6	2.4	353.
8.4	28.2	2259.9	775.0	9.1	7.2	159.9	7.8	-2.8	7.3	303.6	328.5	8.3	88.3	2.9	388.
10.2	32.3	2503.5	750.0	7.8	6.0	162.9	7.5	-2.2	7.2	305.0	329.2	8.3	93.8	3.5	387.
12.3	35.0	3186.6	725.0	5.9	5.1	172.3	7.5	-0.9	6.6	305.9	327.3	7.6	94.5	3.9	347.
13.5	38.7	3835.2	700.0	7.2	-0.9	176.6	6.8	-0.4	6.8	310.4	325.4	5.1	55.2	4.4	388.
14.6	41.4	4742.7	675.0	5.2	-2.5	174.6	7.7	-0.7	7.7	311.4	325.3	6.7	57.4	4.9	389.
15.9	48.2	4357.9	650.0	3.4	-3.5	192.7	6.7	0.4	6.7	312.8	325.3	4.5	65.3	5.4	352.
17.4	47.0	4397.4	620.0	1.4	-9.0	192.1	7.7	1.6	7.5	318.1	323.5	3.1	45.9	6.1	352.
18.4	49.9	4727.5	575.0	-2.9	-10.5	179.0	6.0	2.4	5.5	316.3	322.6	2.0	31.8	6.6	358.
20.2	51.7	5076.9	550.0	-4.6	-53.3	236.7	6.5	2.1	6.1	316.6	322.6	2.0	31.8	6.6	358.
21.4	55.0	5482.3	525.0	-5.9	-53.5	235.5	4.5	1.9	4.1	321.4	321.6	0.1	2.1	7.6	357.
23.0	62.3	5321.9	500.0	-9.0	-55.6	229.1	4.8	2.8	3.9	322.1	322.3	0.0	1.0	7.9	356.
25.6	63.5	6623.4	450.0	-11.9	-57.4	229.1	5.0	3.6	3.3	323.3	323.6	0.0	1.0	8.3	0.
26.4	69.4	7354.7	425.0	-14.9	-59.4	229.0	6.9	5.2	4.3	325.5	324.6	0.0	1.0	8.7	3.
32.3	72.3	7572.5	400.0	-18.3	-61.5	228.5	8.5	6.4	5.7	325.5	325.6	0.0	1.0	9.0	5.
37.1	75.9	7978.2	375.0	-22.0	-64.0	240.6	11.5	10.0	5.6	326.4	326.5	0.0	1.0	9.7	8.
38.2	79.6	8472.1	350.0	-26.3	-63.9	248.7	13.5	12.6	4.9	326.7	326.5	0.0	1.5	10.5	13.
37.5	81.5	9391.9	325.0	-31.2	-61.1	244.2	14.6	13.2	6.4	326.7	326.5	0.0	3.5	11.4	19.
39.9	87.5	9542.0	300.0	-36.3	-56.2	239.0	13.7	11.7	7.1	326.7	326.9	0.1	10.7	12.6	25.
41.2	91.9	10132.6	275.0	-40.2	-59.9	226.8	12.6	9.3	8.7	328.7	328.9	0.9	999.9	15.8	32.
43.4	92.2	10772.5	250.0	-45.6	-69.9	225.9	13.3	9.5	9.2	333.7	333.7	99.9	999.9	17.7	33.
46.7	101.2	11472.2	225.0	-48.0	-69.9	222.3	12.5	8.2	8.2	338.3	338.3	99.9	999.9	19.6	35.
49.6	104.0	12322.7	200.0	-48.0	-69.9	222.3	12.5	8.6	9.3	343.5	343.5	99.9	999.9	21.5	36.
52.8	111.5	13077.0	175.0	-54.9	-69.9	229.4	15.6	11.9	10.2	345.8	345.8	99.9	999.9	23.2	37.
56.3	117.5	14360.1	150.0	-59.6	-69.9	228.2	18.6	14.5	8.0	351.5	351.5	99.9	999.9	26.5	38.
60.7	124.0	15166.9	125.0	-63.5	-63.9	241.3	16.6	14.5	8.0	365.8	365.8	99.9	999.9	28.6	39.
65.8	131.3	16531.2	100.0	-65.7	-62.7	254.8	17.9	17.5	3.5	381.5	381.5	99.9	999.9	33.4	43.
72.0	139.7	14281.9	75.0	-65.7	-69.9	261.8	13.8	13.7	2.0	400.9	400.9	99.9	999.9	37.1	48.
80.1	149.7	20737.7	50.0	-64.1	-64.1	276.2	8.6	8.5	-0.9	438.6	438.6	99.9	999.9	40.4	52.
93.3	159.5	25236.1	25.0	-59.7	-69.9	154.5	3.7	-1.6	3.3	502.9	502.9	99.9	999.9	41.9	54.
				-47.6	-69.9	929.9	99.9	99.9	99.9	648.0	648.0	99.9	999.9	40.1	55.

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

STATION NO. 327  
NASHVILLE, TENNESSEE  
9 MAY 1979  
2300 GMT

TIME MIN	CNTCY	WPT HT GPM	QWES W3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T DG K	E POT Y DG K	MX ATO GM/KG	RM PCT	RANGE KM	AZ DG
3-0	0-5	133-3	301-5	20-8	17-6	170-0	2-6	-0-5	2-6	300-7	335-1	12-9	57-0	0-0	0-0
99-9	94-9	94-9	1003-3	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
3-5	4-5	374-5	973-3	25-8	17-8	153-3	3-9	-1-6	3-5	311-1	336-7	13-3	81-6	0-2	38-8
1-6	1-6	556-3	953-3	23-3	16-6	148-6	4-9	-2-3	3-8	311-3	337-1	12-6	64-0	0-6	33-0
2-3	1-6	784-5	925-3	21-5	15-4	143-6	4-8	-2-9	3-9	311-3	337-1	12-1	68-3	0-6	32-8
3-1	1-6	1274-9	923-3	19-4	14-9	142-1	5-8	-3-5	4-6	311-5	333-4	11-9	74-6	0-9	32-7
3-7	1-6	1264-3	875-3	17-1	12-9	142-1	6-0	-3-7	4-6	311-6	330-5	10-7	75-5	1-2	32-6
4-7	1-6	1516-5	853-3	15-0	13-1	153-6	5-2	-2-3	4-6	311-9	319-3	11-3	88-6	1-4	32-5
5-6	21-7	1793-6	925-3	13-6	10-7	177-0	5-2	-0-3	5-2	303-0	329-9	9-9	82-6	1-7	32-8
6-4	24-8	2023-3	803-3	12-9	9-7	194-0	6-2	1-6	6-2	306-9	329-5	8-9	75-8	1-9	33-6
7-4	24-8	2255-5	775-3	11-1	7-7	199-4	7-1	2-6	6-7	305-7	329-6	8-6	80-0	2-2	34-1
8-0	2-7	2563-2	723-3	9-4	5-6	167-8	7-0	0-9	7-0	306-9	328-3	7-7	77-1	2-6	34-7
9-4	31-2	2453-1	725-3	8-2	3-9	178-0	6-9	-0-2	6-9	308-5	328-4	7-0	73-8	3-0	34-8
1-5	31-5	3133-1	723-3	6-6	0-5	187-1	6-5	0-8	6-5	309-8	328-6	5-8	66-4	3-4	35-0
11-5	3-1	3433-1	675-3	5-6	-0-3	194-0	6-1	1-5	6-0	311-9	328-2	5-6	65-6	3-9	35-2
12-4	3-7	3745-3	653-3	3-5	-4-1	198-2	4-9	1-5	4-7	312-9	325-8	4-3	57-4	4-2	35-6
13-2	6-2	4131-5	625-3	1-9	-7-8	205-3	4-6	2-0	4-2	314-7	325-1	3-4	46-9	4-4	35-6
14-1	4-3	4331-5	603-3	-0-8	-9-1	205-6	5-8	2-5	5-3	315-2	325-1	3-2	53-3	4-8	35-8
1-4	4-5	4733-7	575-3	-1-4	-34-4	228-2	6-8	5-1	4-5	318-4	319-6	0-4	5-9	5-2	2-0
1-7	4-5	5248-2	553-3	-2-9	-35-3	247-9	7-3	6-8	2-6	320-7	321-9	0-3	6-1	5-5	7-0
1-5	5-1	5433-6	525-3	-5-6	-36-9	252-4	6-7	8-3	2-6	321-6	323-7	0-3	6-4	5-8	13-0
2-5	5-1	5433-6	525-3	-8-5	-38-6	258-0	8-9	8-7	1-9	322-7	323-7	0-3	6-7	6-2	19-0
2-2	5-1	6134-4	475-3	-11-4	-40-3	268-7	9-2	9-2	0-5	323-9	326-0	0-2	7-0	6-6	26-0
2-4	6-1	6534-5	453-3	-14-3	-42-2	271-3	10-4	10-4	-0-2	325-2	326-0	0-2	7-3	7-0	32-0
2-3	6-1	7269-9	425-3	-18-5	-39-7	288-7	11-3	11-3	0-7	325-3	326-3	0-3	13-5	7-7	39-0
2-4	6-3	7517-1	403-3	-22-7	-36-6	257-1	10-7	10-5	2-4	325-5	327-0	0-4	26-6	8-5	44-0
2-7	7-5	7445-7	375-3	-25-9	-39-9	244-4	9-6	8-7	4-1	325-9	327-2	0-3	31-2	9-5	47-0
3-5	7-0	3474-5	353-3	-31-5	-40-3	235-4	9-9	8-2	5-6	326-3	327-5	0-3	41-1	10-5	48-0
1-5	7-6	4474-1	325-3	-36-3	-41-3	234-8	11-7	9-5	6-7	326-6	327-7	0-3	53-7	11-8	49-0
3-5	4-3	4474-1	300-0	-39-8	-44-0	243-3	11-7	10-4	5-2	329-2	999-9	99-9	999-9	13-2	53-0
3-7	4-2	1214-1	275-0	-42-5	-45-9	248-5	12-2	11-3	4-5	333-6	999-9	99-9	999-9	14-6	52-0
3-2	4-5	1377-3	253-3	-45-9	-45-9	232-5	14-1	11-2	8-6	337-9	999-9	99-9	999-9	16-5	53-0
4-3	4-7	1474-1	225-0	-47-1	-47-1	233-1	15-3	12-6	8-8	343-2	999-9	99-9	999-9	18-9	53-0
4-5	4-6	1234-3	203-3	-54-6	-47-9	232-3	11-1	8-8	6-8	346-2	999-9	99-9	999-9	21-3	53-0
4-7	10-4	1324-3	175-0	-60-0	-49-0	228-9	12-9	9-7	8-5	346-6	999-9	99-9	999-9	23-1	52-0
51-2	10-4	1475-1	153-0	-68-0	-49-0	248-7	15-4	14-3	5-6	366-8	999-9	99-9	999-9	26-2	53-0
55-2	11-3	1518-4	125-0	-82-7	-49-9	258-8	20-1	19-8	3-5	381-5	999-9	99-9	999-9	30-2	54-0
59-9	121-4	1658-0	100-0	-85-8	-49-9	271-2	17-0	17-0	-0-4	400-7	999-9	99-9	999-9	34-8	60-0
64-3	133-0	1431-5	75-0	-64-6	-49-9	261-8	7-5	7-4	-1-5	437-5	999-9	99-9	999-9	38-4	65-0
74-4	140-5	2033-3	50-0	-60-6	-49-9	0-3	5-5	-0-0	-5-5	500-7	999-9	99-9	999-9	39-0	64-0
87-8	153-5	2250-7	25-0	-48-7	-49-9	999-9	99-9	99-9	99-9	646-7	999-9	99-9	999-9	37-0	72-0

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

STATION NO. 327  
NASHVILLE, TENNESSEE

10 MAY 1979  
200 GMT

187 13. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG C	E POT T DEG C	WX RTO GM/AC	RH PCT	RANGE KM	AZ DEG
00.0	0.7	102.0	992.1	23.0	19.0	110.0	3.6	-3.4	1.2	294.8	333.6	14.1	78.0	0.0	0.
00.9	0.9	99.9	1008.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	0.3	322.7	973.0	20.4	16.3	124.7	0.3	-6.6	0.7	289.7	336.2	13.7	88.0	0.7	295.
1.5	1.6	560.3	950.0	22.0	15.0	138.3	0.9	-6.6	9.2	300.4	332.6	12.0	84.5	0.7	304.
2.4	1.0	792.6	925.0	21.1	14.2	162.2	0.0	-3.7	4.0	300.9	330.7	11.1	84.6	1.1	310.
3.4	1.4	1029.5	900.0	19.5	12.9	156.3	7.0	-2.0	6.4	301.7	330.0	10.5	85.3	1.4	319.
4.4	1.4	1271.6	875.0	17.5	11.9	154.7	7.7	-3.3	6.9	302.0	329.5	10.1	89.6	1.0	321.
5.5	2.2	1514.0	850.0	15.0	11.2	151.3	7.4	-3.6	6.5	302.7	329.0	9.9	74.1	2.3	323.
6.6	2.7	1772.0	825.0	14.6	9.3	163.6	0.1	-1.7	5.8	324.0	328.9	9.0	70.7	2.8	324.
7.7	2.2	2332.0	800.0	12.7	9.0	191.3	0.4	0.9	4.3	324.7	329.4	9.1	77.6	3.0	328.
8.7	2.7	2249.6	775.0	10.9	8.3	214.0	0.3	2.4	3.5	325.6	330.4	8.9	86.0	3.2	331.
9.4	3.1	4273.7	750.0	8.5	7.1	231.9	0.0	3.0	2.9	325.0	329.5	8.5	90.8	3.3	337.
10.4	3.0	2452.7	725.0	6.6	5.6	220.4	3.7	2.4	2.0	308.5	328.7	7.9	94.4	3.4	341.
12.2	3.4	3180.1	700.0	4.8	1.5	210.4	4.3	2.2	3.7	307.8	329.3	6.1	79.4	3.6	345.
13.5	3.2	3437.1	675.0	4.7	-5.6	218.0	5.6	3.6	0.4	310.9	322.1	3.8	47.7	3.8	349.
14.7	4.0	3745.7	650.0	3.3	-11.7	217.1	6.5	3.9	5.2	312.7	320.0	2.4	32.2	4.1	350.
16.0	4.9	4263.7	625.0	1.2	-27.5	231.3	6.9	5.6	6.3	313.9	317.9	1.2	18.6	4.5	359.
17.4	6.6	4393.7	600.0	2.9	-49.1	265.5	6.9	6.9	0.5	319.5	319.0	0.1	1.0	4.7	5.
19.9	6.6	4322.5	575.0	0.4	-44.7	274.0	7.6	7.4	-0.5	320.5	320.0	0.1	1.0	4.8	13.
21.3	5.4	5286.8	550.0	-2.6	-51.6	273.1	8.0	8.0	-0.4	321.6	321.2	0.1	1.0	4.9	21.
22.1	5.4	5431.6	525.0	-5.6	-53.5	268.6	7.1	7.1	0.7	321.6	321.6	0.0	1.0	5.3	29.
24.3	5.7	5933.7	500.0	-8.6	-55.4	253.6	7.0	7.5	2.2	322.6	322.7	0.0	1.0	5.8	35.
27.3	6.1	6228.4	475.0	-12.0	-57.5	253.1	9.2	8.7	3.1	323.2	323.3	0.0	1.0	6.6	39.
29.9	6.1	6563.2	450.0	-14.9	-52.7	255.1	8.1	7.8	2.1	324.6	324.9	0.1	2.4	7.3	43.
31.9	6.5	7264.5	425.0	-18.6	-46.9	254.0	8.6	8.5	1.5	325.1	325.6	0.1	6.3	7.9	46.
33.2	7.0	7517.4	400.0	-23.1	-48.3	263.7	9.3	9.3	1.0	325.0	325.7	0.2	11.5	8.5	49.
34.3	7.5	7855.9	375.0	-27.8	-40.3	254.5	10.2	10.0	2.0	324.8	325.0	0.3	29.0	9.4	52.
35.9	7.1	8074.9	350.0	-32.7	-34.6	246.7	9.7	8.9	3.0	324.7	325.0	0.3	50.4	10.4	56.
37.7	7.1	8473.3	325.0	-37.3	-41.6	252.7	10.0	9.5	3.0	323.3	326.5	0.3	71.8	11.5	59.
39.3	8.3	9265.7	300.0	-39.4	-49.9	262.9	11.2	11.1	1.4	329.9	999.9	99.9	99.9	12.9	58.
42.2	9.5	13136.1	275.0	-43.7	99.9	258.3	11.1	10.9	2.3	331.9	999.9	99.9	99.9	14.2	61.
42.4	9.7	13720.7	250.0	-47.2	94.9	241.4	13.1	11.9	6.2	335.9	994.9	99.9	99.9	15.0	62.
45.5	10.9	11463.7	225.0	-50.4	99.9	243.6	12.7	11.1	6.2	341.3	994.9	99.9	99.9	18.2	61.
48.6	13.3	12225.9	200.0	-54.9	99.9	231.3	10.1	7.9	6.3	335.0	999.9	99.9	99.9	22.2	61.
51.6	11.5	13373.6	175.0	-37.0	99.9	248.0	11.1	12.9	5.7	334.5	999.9	99.9	99.9	23.4	62.
53.1	11.5	14034.6	150.0	-61.9	99.9	249.2	17.0	15.9	0.1	360.6	999.9	99.9	99.9	30.2	64.
59.2	12.0	15142.9	125.0	-63.2	92.9	268.1	21.4	21.4	0.7	340.6	999.9	99.9	99.9	35.1	69.
64.1	13.3	16527.4	100.0	-66.2	92.9	275.7	17.0	16.9	-1.7	399.0	999.9	99.9	99.9	38.7	73.
70.2	13.1	14290.5	75.0	-64.3	98.9	278.6	8.1	8.0	-1.2	433.9	994.9	99.9	95.2	39.3	74.
78.7	14.3	23771.5	50.0	-62.9	99.9	12.7	5.5	-1.2	-1.2	485.5	990.5	99.9	95.2	39.3	74.
92.0	15.5	25169.9	25.0	-50.9	99.9	99.9	99.9	99.9	99.9	638.5	653.9	99.9	99.9	35.2	78.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 4 DEG

STATION NO. 327  
NASHVILLE, TENNESSEE

10 MAY 1979  
510 GMT

153 16. 0

TIME MIN	CNCT	HEIGHT GUM	PRES MB	TEMP DS C	DEP DT DS C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX ATO GM/KG	RM PCT	RANGE KM	AZ DG
000	7.3	183.2	992.7	21.1	19.7	160.0	1.5	-0.5	1.4	294.9	330.7	13.6	86.0	0.0	0.
040	9.2	90.9	1030.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
080	9.4	336.7	975.0	22.5	17.9	99.9	99.9	99.9	99.9	297.0	319.9	13.3	74.7	999.9	999.9
120	11.3	563.3	953.0	21.5	17.3	99.9	99.9	99.9	99.9	299.1	316.1	13.2	76.9	999.9	999.9
160	13.2	748.6	927.0	19.6	16.3	173.9	11.1	-1.2	11.1	279.4	317.7	12.5	79.6	1.6	346.
200	15.3	1033.7	902.0	17.9	16.2	180.6	8.7	0.1	8.7	300.0	316.6	13.0	89.8	2.1	349.
240	17.5	1271.9	873.0	16.1	13.5	178.5	7.5	-0.2	7.5	300.5	316.3	11.5	86.5	2.6	351.
280	14.9	1514.3	853.0	14.5	12.3	193.7	6.2	0.4	6.2	301.4	319.2	10.7	85.0	2.9	352.
320	22.3	1771.3	825.0	11.5	9.6	167.5	5.8	-1.2	5.6	302.9	328.0	9.1	76.8	3.2	353.
360	23.3	1933.0	803.0	12.3	8.1	158.7	5.3	-2.3	4.8	304.3	327.8	8.5	75.2	3.6	351.
400	26.6	2230.4	775.0	13.5	7.2	160.9	5.5	-1.8	5.2	305.1	328.2	8.3	83.2	3.9	350.
440	27.0	2505.9	752.0	9.4	6.3	191.3	6.0	1.7	5.8	305.7	328.1	8.0	87.0	4.3	351.
480	31.4	2844.9	725.0	5.9	4.9	224.7	4.8	2.0	4.4	306.0	326.6	7.4	91.1	4.7	353.
520	31.4	3116.1	703.0	5.9	-4.1	221.8	3.1	2.1	2.3	309.1	321.1	4.1	43.1	4.9	355.
560	34.3	3413.7	675.0	4.4	-5.7	211.7	4.7	2.5	4.0	311.4	322.1	3.7	46.4	5.1	357.
600	34.9	3747.2	653.0	2.9	-7.1	216.7	5.0	4.1	2.7	312.3	322.0	3.2	46.0	5.4	360.
640	41.4	4251.2	625.0	3.5	-42.9	279.2	6.6	6.5	-1.1	316.4	317.0	0.1	1.9	5.4	4.
680	43.1	4397.9	603.0	1.0	-44.1	279.9	6.2	8.1	-1.3	317.3	317.6	0.1	1.0	5.4	10.
720	45.4	4724.3	575.0	-1.0	-50.4	278.3	9.5	9.4	-1.4	318.9	319.1	0.1	1.0	5.4	16.
760	44.5	5131.1	553.0	-1.6	-52.2	271.2	9.5	9.5	-0.2	319.9	320.1	0.1	1.0	5.6	25.
800	44.3	5486.3	525.0	-6.4	-53.6	258.0	8.9	8.6	2.5	320.7	320.9	0.0	1.1	6.1	31.
840	44.3	5845.2	503.0	-9.3	-53.9	251.1	8.6	8.2	2.8	321.7	322.0	0.1	2.1	6.7	35.
880	53.1	6214.8	475.0	-13.0	-43.5	259.0	6.5	8.3	2.1	321.9	322.7	0.2	7.8	7.3	39.
920	51.1	6527.9	453.0	-15.7	-43.3	248.1	7.9	7.1	3.4	322.3	323.1	0.2	19.2	8.3	42.
960	64.3	7050.4	425.0	-17.7	-42.9	231.7	9.7	7.6	6.0	323.4	324.2	0.2	11.1	8.9	43.
1000	64.3	7500.4	403.0	-18.3	-42.9	228.9	10.4	7.8	6.8	323.4	324.2	0.2	17.4	9.8	44.
1040	67.4	7957.9	375.0	-24.9	-41.3	222.7	9.3	6.3	6.9	323.4	324.4	0.3	29.8	10.9	44.
1080	74.3	8450.9	350.0	-33.6	-41.2	225.2	9.4	6.7	6.6	323.4	324.5	0.3	45.9	11.8	44.
1120	77.9	8972.6	325.0	-35.9	-41.2	220.7	10.7	9.3	5.2	323.3	327.6	0.1	15.1	13.1	45.
1160	81.7	9484.8	303.0	-37.6	-41.9	249.5	11.6	10.3	4.3	329.5	329.9	99.9	99.9	14.3	47.
1200	85.5	10113.9	275.0	-44.6	-42.7	252.0	12.4	11.8	3.9	330.6	329.3	99.9	99.9	15.8	48.
1240	84.7	10746.4	253.0	-49.2	-44.9	258.0	13.7	13.1	3.8	336.4	329.9	99.9	99.9	17.5	51.
1280	84.7	11480.4	225.0	-51.3	-49.3	262.7	13.1	13.0	1.7	334.9	329.9	99.9	99.9	19.4	56.
1320	84.3	12195.1	203.0	-55.1	-49.3	253.6	12.3	11.8	3.4	335.6	329.9	99.9	99.9	21.3	57.
1360	104.3	13337.9	175.0	-59.4	-49.3	253.7	13.3	12.9	3.3	351.2	329.9	99.9	99.9	23.6	58.
1400	102.4	14337.3	150.0	-63.4	-49.3	262.3	16.7	16.6	2.3	366.0	329.9	99.9	99.9	26.5	61.
1440	115.5	15127.9	125.0	-63.6	-49.3	271.5	17.3	17.3	-0.5	379.8	329.9	99.9	99.9	30.1	64.
1480	122.7	16009.9	103.0	-64.9	-49.3	278.4	14.5	14.5	-2.1	402.4	329.9	99.9	99.9	34.2	67.
1520	131.0	16337.0	75.0	-67.2	-49.3	287.4	5.6	5.4	-1.7	427.9	329.9	99.9	99.9	36.7	71.
1560	141.0	20714.9	50.0	-61.5	-49.3	30.6	4.9	-2.5	-4.2	498.7	329.9	99.9	99.9	36.8	72.
1600	154.0	25126.5	25.0	-49.6	-49.3	68.9	4.7	-4.3	-1.8	622.0	329.9	99.9	99.9	33.5	74.

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

STATION NO. 327  
NASHVILLE, TENNESSEE

10 MAY 1979  
010 GMT

157 10. 0

TIME MIN	CNTCT	HEIGHT GPM	PHES WD	TEMP DG C	DEW PT DG C	OIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PUT T DG K	MK RTO GM/KG	RM PCT	RANGE K <sup>2</sup>	AZ DG
00	60	180.0	992.0	19.8	17.0	140.0	1.3	-1.0	1.1	293.6	325.8	12.4	84.0	0.0	0.
05	90	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
10	75	330.2	975.0	21.3	18.8	999.9	99.9	99.9	99.9	296.6	333.6	14.2	85.4	999.9	999.9
15	90	555.6	950.0	20.0	18.0	999.9	99.9	99.9	99.9	297.5	333.7	13.8	83.3	999.9	999.9
20	110	780.3	925.0	19.6	17.2	999.9	99.9	99.9	99.9	299.4	335.2	13.5	86.1	1.3	357.
25	140	1022.2	900.0	17.5	16.2	202.0	11.5	4.3	10.7	299.5	336.0	13.0	91.9	2.0	4.
30	160	1263.6	875.0	16.5	14.0	208.2	9.4	4.4	8.3	301.0	332.2	11.6	85.1	2.5	9.
35	190	1513.3	850.0	14.4	12.5	203.7	8.7	3.5	8.0	301.2	330.4	10.8	88.5	3.0	12.
40	210	1762.5	825.0	13.3	10.3	194.5	7.8	2.0	7.6	302.6	324.8	9.6	81.9	3.5	13.
45	230	2021.5	800.0	11.8	8.1	192.3	7.8	1.7	7.6	303.8	327.3	8.5	78.0	4.0	13.
50	250	2280.2	775.0	10.3	7.9	192.2	6.2	1.3	6.0	304.9	329.0	6.7	85.3	4.4	13.
55	280	2537.6	750.0	8.2	5.3	189.9	4.2	0.7	4.2	305.5	326.6	7.5	81.9	4.7	13.
00	300	2795.0	725.0	6.3	2.4	192.0	4.9	1.0	4.8	306.4	314.3	6.3	76.1	5.0	13.
05	330	3052.4	700.0	6.5	-2.4	193.9	5.0	1.2	4.8	309.7	323.1	4.6	52.9	5.3	13.
10	360	3309.8	675.0	4.8	-4.3	222.2	4.5	3.0	3.3	311.1	320.1	3.0	37.2	5.6	13.
15	390	3567.2	650.0	4.6	-10.9	267.6	5.3	5.3	0.2	314.1	315.7	0.5	5.7	5.8	16.
20	420	3824.6	625.0	3.5	-17.9	272.0	7.7	7.7	-0.3	316.4	316.7	0.1	1.0	5.9	21.
25	450	4082.0	600.0	1.1	-29.2	267.3	8.7	8.7	0.4	317.4	317.7	0.1	1.0	6.1	26.
30	480	4339.4	575.0	-1.4	-33.2	269.4	10.5	10.5	0.1	318.3	315.9	0.1	2.4	6.5	31.
35	510	4596.8	550.0	-4.2	-30.9	270.2	12.1	12.1	-0.0	319.1	319.6	0.2	3.8	6.9	37.
40	540	4854.2	525.0	-7.7	-37.1	266.4	12.7	12.7	0.8	319.2	320.2	0.3	7.4	7.5	43.
45	570	5111.6	500.0	-11.5	-37.4	264.0	13.0	12.9	1.4	319.1	323.1	0.3	9.3	8.5	48.
50	600	5369.0	475.0	-14.8	-39.4	251.6	11.1	10.5	3.5	319.6	323.5	0.2	9.7	9.6	53.
55	630	5626.4	450.0	-17.9	-41.1	230.6	11.8	9.1	7.5	320.8	321.6	0.2	11.0	10.6	53.
00	660	5883.8	425.0	-20.7	-43.0	216.2	13.7	6.1	11.1	322.6	323.2	0.2	11.5	11.8	52.
05	690	6141.2	400.0	-25.0	-43.0	211.2	13.4	6.9	11.4	322.6	323.3	0.2	16.7	13.0	50.
10	720	6398.6	375.0	-28.0	-40.9	222.7	12.3	8.3	9.0	323.8	324.3	0.1	15.2	14.3	49.
15	750	6656.0	350.0	-31.6	-55.0	241.2	12.5	11.0	6.0	325.1	326.4	0.1	7.8	15.6	49.
20	780	6913.4	325.0	-35.7	-56.5	257.1	12.5	12.2	2.8	327.5	327.7	0.1	9.7	17.1	51.
25	810	7170.8	300.0	-38.9	-60.1	265.0	12.1	12.0	1.1	330.5	333.7	0.0	6.5	16.4	53.
30	840	7428.2	275.0	-43.0	-69.3	272.3	12.5	12.5	-0.5	332.9	332.9	99.9	99.9	19.9	58.
35	870	7685.6	250.0	-47.8	-99.3	247.2	12.6	12.0	-3.7	335.0	335.0	99.9	99.9	21.5	60.
40	900	7943.0	225.0	-52.2	-99.3	277.0	11.9	11.8	-1.4	335.5	335.5	99.9	99.9	23.0	64.
45	930	8200.4	200.0	-55.2	-99.3	257.3	12.1	11.8	-2.7	345.4	339.9	99.9	99.9	24.8	65.
50	960	8457.8	175.0	-58.9	-99.4	271.7	13.2	13.2	-0.4	352.7	339.9	99.9	99.9	27.3	67.
55	990	8715.2	150.0	-60.8	-99.3	272.9	13.5	13.5	-0.7	365.3	339.9	99.9	99.9	30.1	70.
00	1020	8972.6	125.0	-60.8	-99.9	273.0	11.8	11.8	-0.8	390.2	339.9	99.9	99.9	32.8	72.
05	1050	9230.0	100.0	-64.6	-99.9	270.8	13.4	13.4	-0.2	403.0	339.9	99.9	99.9	36.5	73.
10	1080	9487.4	75.0	-64.5	-99.9	299.6	7.1	6.2	-3.5	427.1	339.9	99.9	99.9	39.6	78.
15	1110	9744.8	50.0	-61.5	-99.9	39.6	5.3	-3.4	-4.1	498.5	339.9	99.9	99.9	39.6	78.
20	1140	10002.2	25.0	-50.0	-99.9	155.4	0.8	-0.3	0.7	660.9	339.9	99.9	99.9	37.0	82.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
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OF POOR QUALITY

STATION NO. 327  
 NASHVILLE, TENNESSEE  
 10 MAY 1979  
 1100 GMT

TIME MIN	CNTY	FLIGHT JPM	PRES MB	TEMP CG 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	3M PCT	RANGE KV	AZ DG
0.3	6.7	192.1	931.3	19.1	18.1	130.0	0.0	0.0	0.0	242.8	327.5	13.5	95.0	0.0	0.
00.9	9.2	192.1	1330.0	19.9	19.3	130.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
3.7	4.5	134.3	1750.0	19.9	18.4	103.6	10.1	-2.9	9.7	295.2	331.1	13.8	91.4	0.2	348.
1.7	13.7	562.3	920.0	19.8	18.6	190.4	2.1	11.6	11.6	297.3	338.9	14.6	92.6	0.9	352.
2.7	13.7	743.7	925.0	19.6	17.7	209.0	11.8	5.7	10.3	299.4	336.4	14.0	89.7	1.6	6.
3.7	13.4	1324.4	930.0	17.8	16.7	223.9	9.8	6.8	7.0	299.9	335.6	13.5	93.2	2.1	15.
4.7	13.9	1371.1	935.0	15.7	14.9	233.4	9.5	7.6	5.7	330.1	332.8	12.2	96.1	2.6	22.
5.7	23.2	1517.6	930.0	14.2	12.5	230.1	9.1	6.9	5.8	301.0	330.1	10.8	89.8	3.1	27.
6.7	23.2	1754.7	925.0	12.6	11.1	235.5	8.9	6.4	6.3	301.7	329.3	10.2	92.1	3.6	31.
7.7	23.2	2227.6	920.0	13.5	9.6	216.2	7.9	4.7	6.4	302.4	328.2	9.4	91.7	4.3	32.
8.7	23.2	2227.6	920.0	9.9	6.6	198.3	6.2	2.0	5.9	304.4	329.4	9.1	91.9	4.9	32.
9.7	23.2	2227.6	920.0	6.1	6.5	198.2	5.7	0.4	5.7	305.4	329.1	8.1	89.3	5.1	33.
10.7	23.9	2488.7	925.0	5.6	4.9	198.6	4.7	0.4	4.7	305.6	326.6	7.5	94.2	5.4	29.
11.7	30.4	1111.5	920.0	4.0	3.2	217.3	4.2	2.6	3.4	306.9	326.6	6.9	94.8	5.7	28.
12.7	30.4	1427.4	925.0	4.3	-4.1	286.9	5.7	5.3	2.2	313.4	311.1	0.2	2.7	6.9	33.
13.7	30.4	1711.5	920.0	4.4	-20.7	262.5	6.2	6.2	0.8	316.0	317.7	1.1	16.1	6.9	37.
14.7	40.4	1711.5	920.0	2.9	-21.8	277.5	9.5	9.4	-1.2	315.8	317.3	1.1	16.8	7.1	48.
15.7	40.4	1930.9	920.0	0.5	-21.9	282.4	13.2	12.8	-2.8	316.7	320.4	1.1	16.8	7.1	51.
16.7	40.4	1727.3	920.0	-2.3	-23.7	276.2	13.4	13.3	-1.4	317.3	320.4	1.0	17.1	7.8	51.
17.7	50.1	5371.3	920.0	-5.1	-26.1	271.2	13.9	13.9	-0.3	318.0	320.8	0.9	17.3	8.7	56.
18.7	50.1	5371.3	920.0	-8.1	-28.3	278.1	15.3	15.2	-2.2	318.7	321.1	0.7	17.8	9.7	61.
19.7	50.1	5371.3	920.0	-11.7	-30.0	273.6	15.3	15.1	-2.5	318.6	321.0	0.6	20.2	10.9	65.
20.7	61.9	6731.1	920.0	-15.6	-32.1	274.8	15.4	15.4	-1.3	318.7	320.6	0.5	22.6	12.1	69.
21.7	61.9	6731.1	920.0	-19.2	-35.1	274.1	16.7	16.6	-1.0	319.1	320.6	0.4	22.6	13.5	72.
22.7	61.9	6731.1	920.0	-22.7	-39.3	273.7	14.2	14.2	-0.2	319.9	321.1	0.3	23.1	14.9	74.
23.7	61.9	6731.1	920.0	-24.3	-41.2	273.7	12.4	12.4	-0.8	323.4	324.3	0.3	19.0	16.1	75.
24.7	61.9	6731.1	920.0	-24.3	-44.2	279.5	11.2	11.1	-1.9	324.5	325.2	0.2	19.3	17.3	77.
25.7	61.9	6731.1	920.0	-24.3	-44.2	279.5	11.2	11.1	-1.9	324.5	325.2	0.2	19.6	19.3	78.
26.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.2	19.6	19.6	80.
27.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
28.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
29.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
30.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
31.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
32.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
33.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
34.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
35.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
36.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
37.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
38.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
39.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
40.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
41.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
42.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
43.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
44.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
45.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
46.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
47.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
48.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
49.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
50.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
51.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
52.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
53.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
54.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
55.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
56.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
57.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
58.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
59.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.
60.7	61.9	6731.1	920.0	-24.3	-47.0	295.3	9.4	9.6	-2.9	326.4	327.0	0.1	19.9	19.6	80.

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

STATION NO. 309  
LITTLE ROCK, ARKANSAS

9 MAY 1976  
1105 GMT

150 20. 0

TIME	CHCT	HEIGHT	PRES	TEMP	DEW PT	OIR	SPEED	U COMP	V COMP	POT T	E POT T	MR STD	RM	RANGE	AZ
MN		GM	MB	CG C	CG C	DG	M/SEC	M/SEC	M/SEC	CG R	CG R	GM/KG	PCT	RM	DG
00	7-1	172.0	989.0	20.0	18.5	160.0	3-1	-1.1	2.9	294.1	326.5	13.7	91.0	0.0	0.
01	99.9	172.0	989.0	19.9	18.5	160.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02	9-4	245.5	975.0	19.9	18.7	163.3	8-6	-2.5	8.2	275.2	331.8	14.1	92.7	0.3	350.
03	10.7	520.9	950.0	21.3	16.7	176.5	11.9	-0.7	11.9	298.8	332.5	12.7	75.0	0.9	352.
04	11.0	751.9	925.0	19.5	16.2	180.9	11.2	0.2	11.2	299.2	332.8	12.6	81.1	1.5	356.
05	15.4	985.2	903.0	18.2	15.7	186.1	9.6	0.7	9.3	300.3	333.0	12.6	85.5	2.2	358.
06	17.4	1227.4	875.0	16.4	13.1	177.9	8.7	-0.3	6.7	300.8	333.3	11.0	81.0	2.7	359.
07	23.3	1476.9	850.0	17.1	6.7	184.3	8.5	0.6	8.5	304.1	324.5	7.3	50.5	3.2	358.
08	27.9	1731.3	825.0	15.3	4.5	202.8	8.8	3.4	8.1	309.8	323.6	5.6	42.0	3.8	1.
09	29.4	1941.1	803.0	13.4	-0.7	202.4	7.4	2.8	6.9	325.4	319.6	4.6	37.9	4.3	4.
10	24.0	2253.3	775.0	14.4	-11.3	160.7	3.5	-1.2	3.3	309.3	310.5	0.4	2.7	6.7	5.
11	17.5	2538.4	750.0	14.1	-35.2	98.9	1.5	-1.5	0.2	311.9	312.9	0.3	2.2	4.7	4.
12	31.2	2919.5	723.0	12.2	-42.4	150.2	2.4	-1.2	2.0	312.9	313.3	0.1	1.0	4.8	3.
13	35.9	3111.1	703.0	10.3	-43.6	153.5	2.7	-1.2	2.4	313.9	314.3	0.1	1.0	5.0	2.
14	34.7	3411.7	675.0	7.9	-45.1	134.4	2.5	-1.0	1.7	314.5	314.8	0.1	1.0	5.1	1.
15	41.4	3721.4	650.0	6.2	-46.1	153.9	2.7	-1.2	2.4	316.0	316.3	0.1	1.0	5.2	359.
16	41.3	4041.1	625.0	3.8	-47.6	179.2	4.2	-0.1	4.2	316.4	317.1	0.1	1.0	5.4	359.
17	47.2	4371.2	603.0	1.9	-48.4	189.2	4.8	0.7	4.9	318.3	318.6	0.1	1.0	5.8	358.
18	51.4	4712.3	575.0	-1.0	-50.6	184.1	4.8	0.3	4.8	319.3	319.0	0.1	1.0	6.2	360.
19	51.3	5068.4	553.0	-3.6	-52.2	174.3	5.1	-0.5	5.1	319.3	320.1	0.1	1.0	6.6	360.
20	50.4	5433.1	525.0	-6.3	-53.9	185.7	4.7	0.5	4.7	322.9	321.0	0.0	1.0	7.0	360.
21	54.6	5839.1	503.0	-9.6	-46.7	216.2	4.9	2.9	3.9	321.3	321.7	0.1	3.0	7.4	1.
22	61.9	6202.9	475.0	-12.6	-42.4	224.2	4.9	4.8	5.0	322.4	324.2	0.5	17.1	7.8	4.
23	67.4	6610.7	450.0	-16.4	-35.8	217.5	9.2	5.6	7.3	322.7	324.1	0.4	17.2	8.4	7.
24	67.9	7339.3	425.0	-19.8	-41.0	205.4	11.3	4.9	10.2	323.6	324.4	0.2	13.2	8.5	10.
25	71.4	7895.5	400.0	-23.5	-41.0	196.9	10.8	3.1	10.3	324.4	325.4	0.3	19.2	10.5	11.
26	77.2	7754.0	375.0	-29.1	-40.4	196.5	11.5	3.3	11.0	324.4	325.5	0.3	23.5	11.6	11.
27	81.1	8448.4	353.0	-32.8	-37.5	196.4	12.8	3.6	12.3	324.5	325.8	0.3	50.2	12.9	12.
28	81.2	9151.5	325.0	-37.0	-42.6	192.7	13.9	3.1	13.6	325.6	326.6	0.3	55.9	14.0	12.
29	84.3	9513.7	300.0	-41.7	99.3	185.6	13.4	1.3	13.3	326.4	993.8	99.9	999.9	15.8	12.
30	93.7	13348.6	275.0	-45.3	99.3	210.3	13.9	7.0	12.0	329.7	993.9	99.9	999.9	17.3	12.
31	98.4	10729.1	250.0	-46.9	99.3	228.1	14.9	11.1	9.9	316.4	994.9	99.9	999.9	19.1	15.
32	103.4	11421.7	225.0	-51.2	99.3	236.5	16.4	13.3	9.5	340.1	999.9	99.9	999.9	20.8	19.
33	109.6	12191.7	200.0	-54.2	99.9	232.6	18.5	14.7	11.3	348.9	999.9	99.9	999.9	22.9	22.
34	114.3	13110.2	175.0	-57.9	19.3	239.1	20.8	17.8	12.7	354.3	999.9	99.9	999.9	25.9	26.
35	122.5	13723.4	153.0	-61.1	92.3	241.8	19.8	17.4	9.3	348.8	999.9	99.9	999.9	28.9	31.
36	127.3	15121.6	125.0	-63.7	99.9	247.2	21.8	18.9	10.8	378.7	999.9	99.9	999.9	31.4	34.
37	134.7	16480.3	103.0	-64.7	99.9	247.4	17.7	16.3	6.8	402.7	999.9	99.9	999.9	36.7	39.
38	143.0	16233.7	75.0	-67.7	99.9	222.6	18.5	7.1	7.7	430.9	999.9	99.9	999.9	42.8	41.
39	152.3	20747.0	50.0	-58.4	99.9	157.0	3.8	-1.5	3.5	503.9	999.9	99.9	999.9	45.9	41.
40	162.0	25203.9	25.0	-47.7	99.0	12.4	7.4	-1.4	-7.2	647.5	999.9	99.9	999.9	43.4	40.

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

STATION NO. 340  
LITTLE ROCK - ARKANSAS  
9 MAY 1979  
1405 GMT

161 14- 0

TIME	CNCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT	E PFT	MR STD	RM	MANUE	AZ
MIN		FT	MB	°C	U.S.C	DU	M/SEC	M/SEC	M/SEC	JG K	DC K	GM/KG	RM	RM	DEG
04.0	7.9	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
04.9	9.9	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
05.8	11.8	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
06.7	13.7	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
07.6	15.6	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
08.5	17.5	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
09.4	19.4	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
10.3	21.3	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
11.2	23.2	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
12.1	25.1	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
13.0	27.0	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
13.9	28.9	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
14.8	30.8	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
15.7	32.7	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
16.6	34.6	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
17.5	36.5	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
18.4	38.4	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
19.3	40.3	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
20.2	42.2	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
21.1	44.1	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
22.0	46.0	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
22.9	47.9	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
23.8	49.8	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
24.7	51.7	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
25.6	53.6	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
26.5	55.5	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
27.4	57.4	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
28.3	59.3	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
29.2	61.2	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
30.1	63.1	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
31.0	65.0	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
31.9	66.9	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
32.8	68.8	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
33.7	70.7	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
34.6	72.6	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
35.5	74.5	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
36.4	76.4	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
37.3	78.3	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
38.2	80.2	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
39.1	82.1	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
40.0	84.0	172.2	933.7	21.1	19.4	120.0	4.1	0.7	4.0	237.3	333.0	13.6	76.2	0.2	0.
40.5	162.7	2556.4	250.0	-88.0	99.9	24.0	4.5	-3.7	2.5	644.9	999.9	99.9	999.9	63.2	61.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 340  
 LITTLE ROCK, ARKANSAS  
 9 MAY 1979  
 1705 GMT

TIME MIN	CHTC	HEIGHT GM	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	7.7	172.0	990.7	26.9	18.5	190.0	2.6	0.5	2.6	300.9	337.3	13.7	60.0	0.0	0.
0.4	9.9	172.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	9.3	317.9	975.0	24.6	17.4	180.0	5.3	0.4	5.2	299.9	334.4	13.0	64.2	3.2	359.
1.2	11.5	560.1	950.0	21.9	16.1	178.4	5.4	-0.1	5.4	299.4	332.1	12.3	69.8	0.4	360.
1.9	13.7	771.3	925.0	19.5	15.5	165.9	5.9	-0.4	5.7	299.3	331.5	12.1	77.7	0.6	356.
2.7	15.9	1007.0	900.0	17.4	14.0	167.8	6.6	-1.4	6.5	299.4	329.5	11.3	80.7	0.9	352.
3.6	18.4	1247.5	875.0	15.3	12.5	171.9	7.3	-1.0	7.3	299.7	327.9	10.5	83.4	1.3	352.
4.5	18.3	1493.4	850.0	14.5	12.3	174.4	8.0	-0.7	7.9	301.3	326.6	9.3	76.0	1.7	352.
5.6	23.3	1745.7	825.0	14.3	7.2	177.8	8.7	-0.0	8.7	303.7	317.3	5.5	44.6	2.1	353.
6.4	25.3	2005.1	800.0	13.0	1.4	183.1	9.4	0.5	9.4	305.0	320.1	5.3	45.1	2.7	355.
7.5	24.7	2271.3	775.0	11.8	-6.4	193.9	5.5	1.3	5.3	306.5	315.6	3.1	27.5	3.2	357.
8.7	11.6	2545.4	750.0	12.7	-23.9	195.1	2.9	0.3	2.9	310.3	313.2	0.9	7.2	3.5	358.
9.4	14.2	2829.3	725.0	11.6	-23.3	171.1	1.7	-0.3	1.7	312.2	314.9	0.8	5.6	3.6	358.
11.1	17.9	3123.1	700.0	10.0	-24.3	145.1	2.4	0.2	2.4	313.5	316.0	0.2	7.0	3.7	358.
12.4	17.9	3422.1	675.0	8.3	-27.0	232.6	4.5	1.7	4.1	314.9	316.0	0.6	6.1	4.0	359.
13.7	47.5	3732.2	650.0	6.3	-26.7	217.6	6.6	4.2	5.0	316.1	314.3	0.7	7.2	4.4	2.
15.3	45.4	4052.9	625.0	4.8	-26.4	248.4	7.7	7.2	2.8	318.3	323.4	0.7	6.2	4.7	7.
16.3	44.3	4393.9	600.0	2.2	-24.0	266.3	8.9	8.9	0.6	319.7	323.8	0.6	9.5	4.9	15.
17.7	51.3	4724.9	575.0	-0.9	-24.9	266.3	9.6	9.6	0.7	319.9	321.0	0.6	9.8	5.2	23.
17.7	54.4	5077.3	550.0	-4.4	-29.8	270.3	11.0	11.0	-0.1	318.9	320.9	0.6	11.6	5.7	31.
20.6	57.5	5441.6	525.0	-7.4	-31.4	261.6	11.7	11.5	1.7	319.5	321.4	0.6	13.3	6.3	36.
22.1	67.4	5819.9	500.0	-10.7	-27.7	252.9	13.1	12.5	3.9	319.3	322.0	0.6	19.0	7.1	44.
23.5	64.0	6210.4	475.0	-14.4	-32.2	252.7	14.6	13.9	4.3	320.2	322.1	0.5	20.1	6.2	48.
25.0	67.4	6617.6	450.0	-18.0	-33.7	253.2	14.3	13.7	4.1	320.6	322.3	0.5	23.6	9.4	51.
26.6	71.0	7041.6	425.0	-21.6	-34.5	243.7	12.0	10.7	5.3	321.3	322.5	0.3	19.9	10.6	54.
27.1	74.4	7495.2	400.0	-25.3	-42.4	231.6	13.5	9.3	9.6	322.1	322.9	0.2	17.6	11.7	54.
27.7	75.3	7952.1	375.0	-26.9	-47.6	225.3	14.0	9.9	9.6	326.0	326.5	0.1	12.0	13.0	57.
31.5	47.3	4444.1	350.0	-30.3	-50.4	238.5	12.2	10.4	6.4	327.9	325.3	0.1	11.8	14.4	52.
33.3	46.3	4970.3	325.0	-33.6	-52.9	249.2	9.7	9.1	3.4	330.3	330.7	0.1	12.3	15.6	53.
35.3	47.5	4526.2	300.0	-38.3	-56.1	251.3	9.2	8.7	2.9	331.4	331.6	0.1	13.3	16.6	54.
37.2	47.0	10117.6	275.0	-43.4	-59.9	249.1	10.7	10.0	3.8	332.3	332.3	0.1	99.9	17.7	55.
37.3	47.6	11752.3	250.0	-48.2	-59.3	247.1	13.5	12.5	5.3	334.4	334.4	0.1	99.9	19.2	56.
41.4	124.6	11434.6	225.0	-52.8	-59.9	248.3	16.2	12.8	6.1	337.7	337.7	0.1	99.9	20.9	57.
44.0	117.0	12193.2	200.0	-56.4	-59.9	239.5	20.0	17.2	10.1	346.7	346.7	0.1	99.9	23.4	57.
46.5	115.4	13143.3	175.0	-57.6	-59.9	239.6	19.2	16.5	9.7	354.9	354.9	0.1	99.9	26.5	58.
47.1	127.0	14013.5	150.0	-60.1	-59.9	239.6	19.1	14.9	8.0	366.5	366.5	0.1	99.9	29.7	58.
52.4	129.0	15134.3	125.0	-62.7	-59.9	235.8	21.4	17.7	12.1	371.5	371.5	0.1	99.9	33.2	58.
55.4	135.7	16311.4	100.0	-64.3	-59.9	233.4	18.4	16.4	8.2	431.6	431.6	0.1	99.9	37.6	59.
60.3	145.0	14264.2	75.0	-63.2	-59.9	225.1	9.8	7.0	6.9	440.3	440.3	0.1	99.9	41.4	59.
67.1	154.5	23791.4	50.0	-57.7	-59.9	188.3	6.5	-3.4	5.5	507.6	507.6	0.1	99.9	42.6	58.
78.7	164.0	25244.4	25.0	-47.6	-59.9	50.6	5.4	-4.2	-3.4	647.8	647.8	0.1	99.9	41.1	56.

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

STATION NO. J60  
LITTLE ROCK, ARKANSAS  
9 MAY 1979  
2005 GMT

TIME MI.	CNCT	HEIGHT GPM	PRES MB	TEMP CG	DEW CG	DIR SS	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT F UG K	E PUT F DG K	MX RTO GM/KG	RM PCT	RANGE KN	AZ DG
0.0	4.8	172.0	989.8	28.5	19.5	173.0	4.1	-0.7	4.0	332.5	339.5	13.6	55.0	0.0	0.
00.9	9.9	97.4	1022.0	19.9	14.9	173.0	94.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
01.8	19.8	335.5	975.0	26.2	17.7	199.9	99.9	99.9	99.9	301.5	337.0	13.3	57.7	999.9	999.9
02.7	29.7	533.4	453.0	23.6	16.6	173.0	99.9	99.9	99.9	331.2	335.0	12.6	64.5	999.9	999.9
03.6	39.6	766.6	425.0	21.2	15.7	173.0	99.9	99.9	99.9	331.0	333.9	12.3	71.1	999.9	999.9
04.5	49.5	1003.9	333.0	19.9	15.7	173.0	4.5	-1.7	4.2	331.0	333.8	12.6	81.2	0.0	0.0
05.4	59.4	1245.5	275.0	18.9	15.1	173.0	4.3	-0.7	4.3	331.3	333.6	12.4	89.1	1.1	328.
06.3	69.3	1492.6	173.0	15.0	13.7	198.4	4.7	1.5	4.5	331.0	332.5	11.3	89.3	1.2	338.
07.2	79.2	1745.7	125.0	11.4	11.4	195.6	5.5	1.5	5.3	332.6	333.0	10.6	88.9	1.5	344.
08.1	89.1	2000.5	93.0	11.9	9.7	193.0	6.1	1.4	5.9	333.8	329.9	9.5	86.4	1.8	349.
09.0	99.0	2273.4	75.0	12.4	6.7	184.6	6.1	0.0	6.0	335.0	328.7	7.8	75.0	2.2	356.
10.0	109.0	2544.1	57.0	12.8	-8.7	186.1	5.4	-1.3	5.3	334.6	324.0	3.0	33.2	2.5	354.
11.0	119.0	2822.1	43.0	12.3	-22.9	197.8	5.7	1.6	5.6	333.0	315.7	0.8	5.7	2.9	353.
12.0	129.0	3104.1	31.0	10.4	-23.8	198.8	5.6	1.6	5.3	334.4	317.0	0.8	6.9	3.3	356.
13.0	139.0	3390.1	21.0	9.1	-29.7	232.2	6.2	8.0	4.7	315.4	318.4	0.6	7.1	3.7	358.
14.0	149.0	3680.1	13.0	6.3	-28.4	237.5	9.4	7.4	4.7	315.4	317.0	0.6	7.7	4.1	4.
15.0	159.0	3974.1	7.0	4.1	-24.4	247.1	9.1	8.4	3.9	318.3	321.1	1.0	11.7	4.4	12.
16.0	169.0	4272.1	3.0	2.3	-22.4	245.5	8.9	8.1	3.5	318.0	322.3	1.1	14.1	4.8	18.
17.0	179.0	4574.1	0.0	0.0	-22.4	245.5	8.9	8.1	3.7	319.0	322.4	1.0	16.8	5.3	24.
18.0	189.0	4880.1	0.0	0.0	-25.6	245.8	9.3	8.2	4.2	319.2	322.1	0.6	18.9	5.9	30.
19.0	199.0	5190.1	0.0	0.0	-31.1	233.5	13.8	10.3	6.5	319.4	322.2	0.6	18.9	6.7	33.
20.0	209.0	5504.1	0.0	0.0	-34.5	235.9	16.9	11.1	8.2	320.3	322.2	0.6	15.1	7.6	38.
21.0	219.0	5822.1	0.0	0.0	-33.7	236.9	15.6	13.0	9.3	320.3	322.7	0.4	15.1	8.2	39.
22.0	229.0	6144.1	0.0	0.0	-36.2	231.2	16.6	11.4	8.5	321.6	323.2	0.4	24.2	10.7	42.
23.0	239.0	6470.1	0.0	0.0	-44.2	235.3	12.7	10.5	7.3	321.6	323.2	0.4	24.2	12.1	43.
24.0	249.0	6800.1	0.0	0.0	-47.5	233.3	10.1	10.0	7.3	325.4	326.1	0.2	12.1	13.5	46.
25.0	259.0	7134.1	0.0	0.0	-49.6	230.8	9.0	10.0	7.3	329.0	329.5	0.1	9.9	14.6	46.
26.0	269.0	7472.1	0.0	0.0	-52.1	278.0	8.0	7.9	-1.4	330.1	330.5	0.1	12.6	15.3	48.
27.0	279.0	7814.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	330.9	330.5	0.1	17.2	16.0	51.
28.0	289.0	8160.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	331.9	332.3	0.1	23.8	16.6	54.
29.0	299.0	8510.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
30.0	309.0	8864.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
31.0	319.0	9222.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
32.0	329.0	9584.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
33.0	339.0	9950.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
34.0	349.0	10320.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
35.0	359.0	10694.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
36.0	369.0	11072.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
37.0	379.0	11454.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
38.0	389.0	11840.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
39.0	399.0	12230.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
40.0	409.0	12624.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
41.0	419.0	13022.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
42.0	429.0	13424.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
43.0	439.0	13830.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
44.0	449.0	14240.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
45.0	459.0	14654.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
46.0	469.0	15072.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
47.0	479.0	15494.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
48.0	489.0	15920.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
49.0	499.0	16350.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
50.0	509.0	16784.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
51.0	519.0	17222.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
52.0	529.0	17664.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
53.0	539.0	18110.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
54.0	549.0	18560.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
55.0	559.0	19014.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
56.0	569.0	19472.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
57.0	579.0	19934.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
58.0	589.0	20400.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
59.0	599.0	20870.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
60.0	609.0	21344.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
61.0	619.0	21822.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.
62.0	629.0	22304.1	0.0	0.0	-52.1	277.1	7.2	7.2	-1.4	332.6	332.6	0.1	23.8	17.2	56.
63.0	639.0	22790.1	0.0	0.0	-49.7	278.0	8.0	7.9	-1.4	332.6	332.6	0.1	23.8	17.2	56.

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

STATION NO. 340  
LITTLE ROCK, ARKANSAS  
9 MAY 1979  
2305 GMT

TIME MIN	CMTCT	WEIGHT GPM	PRES WB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POY T DG K	E POT Y DG K	WX RTO GM/KG	4H PCT	RANGE KM	AZ DG
00	7.5	172.0	988.3	28.7	17.6	158.0	3.6	-1.8	3.1	302.9	337.7	12.9	31.0	0.0	0.
04.9	93.9	93.4	1000.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04	8.6	292.5	975.0	27.7	18.1	143.0	6.1	-3.5	5.0	303.1	339.6	13.6	55.8	0.2	336.
1.1	11.0	522.5	950.0	24.9	16.4	142.3	6.6	-4.0	5.2	302.4	336.0	12.4	59.2	0.5	379.
1.8	13.3	755.4	925.0	22.1	15.0	139.7	6.2	-4.0	4.7	301.9	333.5	11.7	66.2	0.7	326.
2.7	15.7	933.6	900.0	19.7	14.5	142.0	6.2	-3.8	4.9	301.8	333.2	11.7	72.3	1.0	326.
3.5	19.1	1236.0	875.0	17.4	14.7	151.2	7.1	-3.4	6.2	301.9	334.6	12.2	64.4	1.0	326.
4.4	20.5	1683.3	850.0	15.8	11.5	167.5	7.2	-1.6	7.1	302.7	330.2	10.1	75.3	1.0	326.
5.4	22.9	1737.2	825.0	14.3	9.1	192.0	7.0	0.2	7.0	303.6	326.2	8.9	71.0	2.1	332.
7.4	27.9	1396.8	800.0	12.8	6.6	193.4	6.8	2.0	8.0	304.6	323.6	6.7	57.4	2.5	339.
8.4	31.9	2537.2	775.0	11.7	-1.1	198.4	9.9	3.1	9.4	306.4	319.6	4.6	41.2	3.1	347.
9.4	37.5	2537.2	750.0	13.1	-15.6	201.3	7.3	2.6	6.8	310.8	316.7	4.9	15.9	3.6	352.
11.1	37.7	4222.1	725.0	13.2	-28.7	212.0	6.3	3.3	5.3	314.0	316.3	0.7	5.5	6.0	356.
12.3	37.7	3115.9	700.0	11.4	-19.3	226.7	6.9	5.0	4.7	315.2	319.0	1.2	9.8	6.3	368.
12.3	37.6	3419.6	675.0	9.8	-20.1	242.4	7.5	6.6	3.5	316.6	320.4	1.1	10.2	6.7	5.
13.7	41.1	3733.2	650.0	7.8	-17.1	239.3	8.3	7.0	4.3	317.8	322.7	1.5	14.8	5.0	11.
15.2	43.9	4351.7	625.0	5.2	-18.5	231.4	9.6	7.7	5.7	318.5	323.1	1.4	16.1	5.7	17.
16.7	47.9	4382.9	600.0	2.8	-22.9	233.4	10.4	8.3	6.2	318.5	321.9	1.0	13.8	6.4	22.
18.0	47.7	8724.8	575.0	-1.0	-25.2	239.7	10.8	9.3	3.6	319.6	321.7	0.9	13.8	7.1	26.
18.4	50.6	5377.1	550.0	-3.8	-28.9	250.4	10.6	10.0	3.6	320.2	322.1	0.6	12.2	7.8	30.
21.3	53.4	3462.3	525.0	-6.9	-30.7	250.6	11.6	11.0	3.9	320.6	322.1	0.6	12.8	8.5	34.
22.2	55.9	5423.1	500.0	-10.4	-33.5	245.0	11.8	10.7	5.0	320.6	322.1	0.4	17.8	9.4	37.
23.4	62.0	6212.9	475.0	-13.5	-31.4	242.1	14.5	12.8	6.8	321.3	323.3	0.6	20.2	10.5	40.
25.5	65.3	6521.2	450.0	-17.6	-32.5	238.6	16.4	14.0	8.5	321.1	323.0	0.5	25.9	12.8	43.
27.1	69.6	7465.8	425.0	-21.5	-36.7	237.2	13.4	11.3	7.3	321.5	323.1	0.5	29.0	13.5	46.
28.9	72.1	7492.2	400.0	-24.3	-45.7	233.1	8.4	8.0	2.4	323.3	327.9	0.2	8.9	14.6	46.
33.7	73.7	7465.3	375.0	-24.4	-46.3	234.7	7.1	7.0	-1.1	329.3	329.9	0.2	11.0	15.1	48.
34.5	74.4	9454.3	350.0	-28.4	-48.2	246.8	6.5	6.3	-1.7	310.2	310.7	0.1	13.1	15.4	40.
36.7	81.3	6446.4	325.0	-33.2	-53.1	245.5	5.0	4.5	-2.2	330.8	331.2	0.1	15.0	18.0	32.
34.8	81.6	13138.3	300.0	-43.3	99.9	273.9	6.4	6.3	-1.1	332.6	999.9	0.1	16.8	16.2	54.
41.1	94.3	17733.3	275.0	-48.0	97.9	297.8	8.2	7.8	-2.3	336.6	999.9	99.9	999.9	16.8	59.
43.7	102.8	11462.7	250.0	-52.1	99.9	271.7	10.0	10.0	-0.3	336.6	999.9	99.9	999.9	17.5	58.
46.3	105.9	12216.3	200.0	-55.9	99.9	260.6	14.7	14.5	2.4	344.2	999.9	99.9	999.9	20.2	63.
49.2	111.2	13761.4	175.0	-58.4	99.9	250.3	17.1	16.1	5.8	351.5	999.9	99.9	999.9	22.9	65.
52.5	117.0	14323.9	150.0	-59.1	99.9	239.9	18.9	16.3	9.5	363.3	999.9	99.9	999.9	26.4	65.
56.2	123.3	15163.1	125.0	-61.3	99.9	239.7	24.2	20.9	12.2	368.0	999.9	99.9	999.9	31.3	63.
63.7	130.9	16332.1	100.0	-65.1	99.9	239.2	18.3	18.6	9.9	401.9	999.9	99.9	999.9	37.5	63.
69.3	137.9	14290.1	75.0	-63.9	99.9	222.7	9.0	6.1	6.6	439.0	999.9	99.9	999.9	41.9	62.
73.9	146.0	21782.1	50.0	-60.0	99.9	270.6	4.4	4.4	-0.0	502.2	999.9	99.9	999.9	43.1	60.
86.2	154.1	25253.4	25.0	-48.2	99.9	999.9	99.9	99.9	99.9	646.3	999.9	99.9	999.9	40.6	61.

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

STATION NO. 360  
LITTLE ROCK, ARKANSAS

10 MAY 1979  
205 GMT

162 11. 0

TIME MPL	CNTCT	WEIGHT GPM	PRES MB	TEMP CG C	DEW PT CG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T CG K	E POT T CG K	MR STD GM/KG	RM PCT	RANGE KM	AZ DG
00.0	5.5	172.3	958.7	28.9	17.9	190.0	6.2	-4.0	6.7	279.0	313.9	13.2	62.0	0.0	U.
00.5	9.9	1700.0	999.9	29.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9	999.9
01.0	7.7	248.3	975.0	28.5	17.2	135.9	11.2	-7.8	8.0	249.8	316.3	14.6	72.4	0.3	320.
01.5	13.1	522.8	953.0	23.2	18.3	143.8	12.6	-7.4	10.2	309.7	317.6	13.9	72.7	0.9	319.
02.0	12.5	755.5	925.0	21.2	17.3	151.5	13.4	-6.4	11.8	311.0	316.7	13.4	77.0	1.6	323.
02.5	18.9	942.9	900.0	19.3	16.4	154.0	12.4	-5.4	11.1	311.4	316.7	13.2	83.4	2.4	327.
03.0	17.3	1437.1	875.0	17.1	15.1	157.5	10.1	-3.9	9.5	311.6	315.0	12.5	87.9	3.1	329.
03.5	13.1	1497.4	850.0	15.9	11.4	162.7	9.6	-2.9	9.2	312.6	313.9	10.3	76.7	3.7	330.
04.0	22.3	1736.6	825.0	16.3	1.4	178.9	9.5	-0.2	9.6	305.8	323.5	5.1	36.5	6.2	333.
04.5	24.7	1937.5	800.0	15.0	-3.2	193.2	10.2	1.8	10.1	317.1	319.2	3.8	25.4	6.8	337.
05.0	27.6	2267.7	775.0	14.7	-19.5	170.6	9.5	1.9	9.4	309.6	313.7	1.3	9.9	5.3	341.
05.5	33.1	2547.8	750.0	15.3	-27.5	236.1	8.5	3.8	7.7	313.2	314.9	0.5	3.7	5.9	344.
06.0	37.9	2327.3	725.0	14.2	-26.7	226.1	6.5	6.1	5.9	315.1	317.1	0.6	4.2	6.1	348.
06.5	57.4	3127.9	700.0	13.0	-23.1	216.4	8.0	6.6	6.4	316.9	319.7	0.8	5.2	6.3	352.
07.0	37.2	3477.4	675.0	10.5	-16.4	214.1	6.7	5.5	4.0	317.4	322.5	1.6	13.6	6.6	356.
07.5	41.1	3737.7	650.0	7.7	-17.5	237.9	7.2	5.6	4.3	317.6	322.5	1.5	14.8	6.8	360.
08.0	44.2	4051.1	625.0	5.3	-23.3	230.5	8.9	6.8	5.6	318.5	321.7	0.9	13.5	7.3	364.
08.5	46.9	4333.3	600.0	3.0	-27.2	231.2	9.3	7.7	6.2	319.6	321.9	0.7	14.6	7.7	368.
09.0	47.9	4733.3	575.0	-0.1	-28.5	238.1	10.3	6.7	5.4	319.9	322.1	0.6	9.5	6.3	372.
09.5	51.3	5043.9	550.0	-3.3	-29.5	241.2	11.3	9.9	5.5	320.2	322.2	0.6	11.0	6.9	376.
10.0	55.1	4658.5	525.0	-6.5	-33.9	244.3	11.7	10.7	5.1	320.6	322.5	0.6	12.4	9.6	380.
10.5	57.7	5225.4	500.0	-13.6	-32.2	245.7	13.7	12.5	5.6	320.6	322.4	0.5	14.5	10.5	384.
11.0	62.7	6225.4	475.0	-17.9	-32.1	242.6	17.2	15.3	7.9	320.8	322.7	0.5	17.5	11.7	388.
11.5	66.7	7058.6	450.0	-17.3	-40.6	249.7	12.0	11.3	4.2	324.3	324.9	0.2	3.5	14.7	392.
12.0	71.3	7574.2	425.0	-20.3	-46.1	262.0	5.5	5.5	0.8	328.6	327.2	0.1	7.8	17.4	396.
12.5	77.3	7971.3	375.0	-24.0	-47.5	282.2	4.8	4.7	-1.0	329.8	330.3	0.1	9.3	15.7	400.
13.0	41.3	8430.3	350.0	-24.5	-49.3	253.4	3.9	3.8	-0.9	330.3	330.9	0.1	11.4	15.9	404.
13.5	40.3	9077.7	325.0	-33.0	-51.9	267.6	1.9	1.9	0.0	331.2	331.6	0.1	11.0	16.1	408.
14.0	40.3	9577.7	300.0	-31.3	-54.8	252.3	3.3	3.1	1.0	331.7	331.9	0.1	15.2	16.3	412.
14.5	40.3	10177.9	275.0	-42.7	-59.9	246.8	5.6	5.4	-1.4	333.4	333.4	9.9	99.9	16.8	416.
15.0	40.3	10777.9	250.0	-47.9	-64.9	232.4	5.8	3.7	-1.4	336.2	336.2	9.9	99.9	16.9	420.
15.5	40.3	11377.9	225.0	-51.5	-69.2	248.5	7.2	6.3	-3.4	339.6	339.6	9.9	99.9	16.9	424.
16.0	40.3	11977.9	200.0	-55.2	-73.9	267.5	10.9	10.9	0.4	343.7	343.7	9.9	99.9	17.9	428.
16.5	40.3	12577.9	175.0	-59.6	-79.9	259.9	15.4	15.1	3.0	351.5	351.5	9.9	99.9	20.0	432.
17.0	40.3	13177.9	150.0	-64.2	-85.9	249.2	20.3	19.0	7.2	360.4	360.4	9.9	99.9	22.6	436.
17.5	40.3	13777.9	125.0	-61.6	-79.9	248.4	21.7	20.2	8.0	363.4	363.4	9.9	99.9	28.3	440.
18.0	40.3	14377.9	100.0	-65.1	-89.9	217.9	21.3	18.4	10.7	402.0	402.0	9.9	99.9	33.7	444.
18.5	40.3	14977.9	75.0	-67.0	-99.9	217.1	15.7	9.5	12.5	435.5	435.5	9.9	99.9	39.4	448.
19.0	40.3	15577.9	50.0	-61.8	-99.9	171.5	6.0	-0.9	8.0	471.9	471.9	9.9	99.9	42.5	452.
19.5	40.3	16177.9	25.0	-55.9	-99.9	99.9	9.9	9.9	9.9	623.0	623.0	9.9	99.9	42.0	456.

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

STATION NO. 340  
LITTLE ROCK, ARKANSAS

10 MAY 1979  
505 GMT

159 19. 0

TIME MIN	CNTCT	HEIGHT GUM	PRES MM	TEMP DG C	DEW PT DG C	DIM UG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT F DG K	WX RTO GM/SEC	RM PCT	RANGE KM	AZ DG
0-0	6-9	172-0	990-0	22-2	19-2	170-0	2-1	-0-4	2-1	296-2	333-5	14-3	83-0	0-0	0-
0-7	93-9	99-3	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9
0-7	4-2	375-2	975-0	22-1	18-0	699-9	99-9	99-9	99-9	297-5	333-0	13-5	77-6	999-9	999-9
1-5	10-5	531-7	950-0	21-7	17-1	999-9	99-9	99-9	99-9	299-3	333-8	13-0	74-7	999-9	999-9
2-5	12-8	763-1	925-0	20-5	11-9	165-6	12-5	-2-5	12-3	300-3	326-1	9-3	57-7	1-6	350-
3-5	15-1	999-5	910-0	19-1	9-9	159-7	13-1	-2-2	12-7	301-2	326-5	8-5	55-2	2-4	369-
4-6	17-5	1241-1	875-0	17-0	8-2	159-1	12-0	-2-2	11-3	301-5	323-0	7-6	55-0	3-2	387-
5-7	21-0	1447-7	850-0	15-4	6-5	162-0	11-3	-3-5	10-8	302-3	322-1	7-2	55-0	3-9	345-
6-8	27-8	1741-2	825-0	15-4	-0-6	178-1	10-7	-0-7	10-7	304-8	317-7	4-3	33-6	4-7	346-
7-9	29-9	2301-7	800-0	15-8	-13-2	170-4	9-4	1-7	9-3	308-0	313-3	1-8	12-6	5-3	348-
8-0	28-4	2272-4	775-0	15-4	-23-7	195-7	8-7	2-3	8-4	310-4	312-7	0-7	5-1	5-9	351-
10-2	11-0	2277-4	750-0	15-4	-30-9	207-0	6-9	3-1	6-2	313-3	314-8	0-4	2-9	6-3	353-
11-5	31-7	2933-7	725-0	14-3	-26-9	208-8	6-8	2-0	6-1	315-2	317-2	0-6	4-4	6-6	356-
12-9	33-3	3128-1	700-0	12-0	-17-9	193-2	6-5	1-7	6-2	315-8	320-4	1-4	11-2	7-2	357-
13-3	34-1	3413-7	675-0	9-4	-21-4	214-8	6-6	3-7	5-4	316-2	319-8	1-0	9-4	7-7	359-
14-4	41-9	3741-9	650-0	6-5	-15-3	237-6	7-2	6-1	3-9	316-4	322-0	1-8	19-1	8-0	2-
16-7	41-9	4062-2	625-0	4-3	-27-1	237-6	9-6	6-1	5-1	317-3	320-8	1-1	12-7	8-4	6-
17-9	40-4	4372-9	600-0	1-9	-27-2	233-8	10-6	0-6	6-3	318-3	320-6	0-7	9-3	8-4	0-
18-2	4-4	4713-7	575-0	-1-1	-29-1	231-4	11-0	0-3	7-4	318-7	320-7	0-6	9-7	9-7	14-
19-2	4-4	5046-1	550-0	-4-4	-31-3	235-3	13-4	11-0	7-6	318-8	320-6	0-5	10-1	10-8	17-
21-3	5-7	5449-9	525-0	-7-9	-32-5	241-6	13-5	11-6	6-0	319-0	320-6	0-5	11-5	11-4	21-
23-4	51-3	5926-5	500-0	-11-5	-34-5	243-4	13-8	12-6	6-2	319-0	320-6	0-4	14-1	12-3	29-
25-8	62-4	6216-9	475-0	-15-4	-33-6	243-6	14-4	12-9	6-4	318-7	320-3	0-5	19-5	13-4	28-
27-1	63-7	6231-5	450-0	-19-7	-38-0	248-7	12-2	11-1	5-2	318-5	320-1	0-5	26-7	14-6	32-
28-4	63-3	7049-4	425-0	-17-4	-46-4	236-7	5-9	5-0	3-2	326-7	327-2	0-1	5-5	15-4	38-
31-5	72-7	7479-4	400-0	-20-9	-49-4	282-3	2-8	2-5	1-3	327-9	325-3	0-1	5-4	15-8	34-
33-3	76-7	7772-3	375-0	-25-1	-50-1	252-0	2-9	2-7	0-2	328-4	326-8	0-1	7-5	16-0	35-
34-1	81-6	8461-1	350-0	-29-7	-50-7	233-0	2-9	2-3	1-8	328-6	329-1	0-1	13-8	16-3	35-
36-2	84-7	9277-1	325-0	-34-4	-54-0	236-6	4-2	3-5	2-1	325-2	329-6	0-1	11-5	16-7	36-
38-1	84-9	9347-9	300-0	-38-9	-57-3	272-0	5-6	5-6	-0-2	310-6	320-6	0-1	12-1	17-1	37-
40-1	81-3	10134-4	275-0	-43-2	99-9	275-6	4-7	7-7	-0-5	332-1	923-9	58-0	59-9	17-1	39-
42-4	94-3	11773-4	250-0	-48-1	99-9	287-0	6-9	6-6	-2-0	334-5	957-9	59-9	63-5	17-7	40-
44-9	103-0	14659-9	225-0	-53-4	99-9	290-9	9-7	7-5	-1-0	336-7	997-9	59-9	99-9	19-3	44-
47-4	109-4	12211-2	200-0	-57-8	99-9	274-8	11-9	11-7	1-0	341-3	975-5	99-9	99-9	21-0	53-
50-2	114-3	13946-8	175-0	-53-8	99-9	268-9	16-4	15-5	0-3	351-2	999-9	99-9	99-9	24-1	57-
53-5	123-5	16113-7	150-0	-60-0	99-9	255-8	17-5	15-3	4-4	363-4	999-9	99-9	99-9	28-1	58-
57-3	127-3	17176-7	125-0	-63-6	99-9	248-2	19-9	18-0	8-7	379-0	999-9	99-9	99-9	33-7	58-
61-9	134-0	14574-7	100-0	-65-3	99-9	227-8	19-3	14-3	13-0	401-6	999-9	99-9	99-9	38-7	56-
64-3	144-0	14534-6	75-0	-66-9	99-9	202-6	10-9	14-3	13-0	432-6	999-9	99-9	99-9	40-0	53-
70-1	152-7	20740-4	50-0	-61-5	99-9	122-3	7-0	3-2	3-7	478-6	999-9	99-9	99-9	40-0	53-
80-4	168-0	25157-3	25-0	-50-1	99-9	348-8	9-6	2-5	-9-2	660-6	999-9	99-9	99-9	36-6	51-

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

STATION NO. 360  
LITTLE ROCK, ARKANSAS  
10 MAY 1979  
005 GMT

TIME MIN	GMTCE	HEIGHT GPM	PRES MB	TEMP DS C	DEW PT DS C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E PUT T UG K	WX RTO CM/KG	RM PCT	RANGE KM	AZ DG
00	7.3	172.0	999.3	21.1	18.1	163.0	2.6	-0.9	2.4	295.2	329.9	13.4	83.0	0.0	0.
00	9.9	99.9	1003.0	99.9	99.9	99.9	9.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04	9.5	294.9	975.0	21.2	17.4	169.4	13.0	-2.4	12.8	296.5	330.5	13.0	79.2	0.3	366.
12	13.4	524.5	953.0	21.7	16.6	173.4	15.2	-0.4	15.2	299.2	332.8	12.7	73.1	0.9	351.
20	13.2	755.7	925.0	19.7	15.6	146.8	14.9	1.8	14.8	299.4	331.8	12.1	77.2	1.7	357.
30	14.5	991.4	907.0	17.5	15.2	190.1	15.0	2.6	14.8	299.6	332.1	12.2	86.3	2.5	1.
37	14.0	1232.1	875.0	15.2	13.1	190.8	14.6	2.8	14.7	299.6	329.8	10.9	87.3	3.3	3.
44	21.4	1879.7	853.0	14.8	8.6	188.1	13.0	0.9	13.1	321.7	324.6	8.4	67.0	4.1	4.
57	22.9	1730.5	825.0	14.4	-6.3	176.4	12.3	-0.5	12.3	323.8	312.4	2.9	23.3	6.7	4.
65	25.4	1999.7	800.0	14.0	-18.1	177.1	10.2	-0.5	10.2	326.1	310.0	1.3	10.5	5.3	3.
74	24.9	2257.5	775.0	16.0	-33.4	193.1	9.1	2.1	8.9	311.0	312.0	0.3	1.9	5.8	3.
75	32.6	2531.0	750.0	15.1	-39.2	209.2	11.0	5.4	9.6	313.0	313.6	0.2	1.2	6.4	3.
76	31.2	2493.4	725.0	13.8	-32.9	206.7	11.1	5.0	9.9	314.6	316.1	0.4	3.3	7.1	7.
107	35.9	3114.7	703.0	11.6	-20.5	208.0	10.8	4.4	9.8	315.3	314.8	1.1	8.8	7.8	9.
119	33.7	3417.2	675.0	9.2	-20.3	212.4	11.1	6.0	9.4	316.0	314.5	1.1	10.0	8.5	10.
129	41.5	3724.3	653.0	6.6	-19.4	217.6	11.9	7.2	9.4	316.4	320.9	1.4	14.7	9.2	12.
143	42.1	4244.1	625.0	3.6	-18.5	223.8	12.3	8.5	8.9	316.5	321.1	1.4	18.0	9.9	15.
151	47.3	4377.5	603.0	0.9	-22.2	232.6	12.4	9.8	7.5	317.2	320.7	1.1	16.1	10.6	17.
153	52.3	4717.7	575.0	-1.6	-29.1	239.8	12.5	10.8	6.3	318.1	320.3	0.7	11.1	11.2	20.
174	53.3	5264.6	550.0	-4.8	-28.3	240.4	13.1	11.5	6.3	318.4	320.7	0.7	14.1	11.9	23.
185	56.4	5432.7	525.0	-9.4	-28.9	240.4	13.1	11.4	6.5	318.3	320.6	0.7	17.2	12.6	25.
197	54.6	5404.5	503.0	-12.2	-28.3	240.3	12.4	10.7	6.1	318.1	320.6	0.7	24.7	13.3	27.
199	63.0	6197.0	475.0	-16.3	-24.0	236.6	12.2	10.4	6.3	317.8	320.4	0.8	35.7	14.1	29.
199	66.4	7311.4	453.0	-19.6	-19.4	238.1	12.2	10.4	6.5	318.6	320.5	0.6	32.3	15.2	31.
203	64.3	7724.3	425.0	-17.9	-19.6	240.3	6.3	5.4	3.1	326.0	326.2	0.0	1.2	16.0	33.
206	71.5	7477.1	403.0	-21.9	-19.6	237.5	3.1	2.6	1.6	326.5	326.6	0.0	1.8	16.3	33.
273	71.3	7444.7	375.0	-24.2	-18.5	234.7	3.5	2.8	2.0	326.9	327.1	0.0	3.0	16.6	36.
282	81.2	8433.4	353.0	-31.4	-17.9	232.7	3.5	2.8	2.1	327.3	327.5	0.0	5.3	16.9	34.
311	85.2	9134.1	331.0	-35.3	-16.7	256.6	4.2	4.1	1.0	328.1	328.2	0.0	5.4	17.3	35.
330	84.5	9516.7	303.0	-34.7	-14.9	277.1	6.1	6.1	-0.8	328.4	999.9	99.9	999.9	17.6	37.
331	94.0	11126.3	273.0	-44.7	-14.9	269.3	6.3	6.3	0.1	331.2	999.9	99.9	999.9	18.1	39.
372	94.6	11717.4	253.0	-32.7	-14.9	275.1	6.2	6.2	-0.6	331.8	999.9	99.9	999.9	19.6	41.
396	103.6	11427.7	231.0	-54.0	-14.9	277.0	9.7	9.6	-1.2	335.8	999.9	99.9	999.9	19.2	43.
423	104.0	12169.0	203.0	-54.6	-14.9	281.0	9.0	8.8	-1.7	340.8	999.9	99.9	999.9	20.3	47.
450	114.9	12994.2	175.0	-53.5	-14.9	277.9	10.5	10.4	-1.4	346.8	999.9	99.9	999.9	21.0	50.
490	121.0	13844.9	152.0	-53.7	-14.9	249.6	10.2	15.2	5.7	361.6	999.9	99.9	999.9	23.2	53.
519	124.9	15264.2	125.0	-55.2	-14.9	239.3	20.6	17.7	10.5	376.9	999.9	99.9	999.9	27.1	55.
559	135.7	16424.9	100.0	-55.9	-14.9	233.0	18.5	14.8	11.1	400.5	999.9	99.9	999.9	32.3	55.
611	144.0	18145.3	75.0	-55.0	-14.9	211.5	8.0	4.2	6.0	436.6	999.9	99.9	999.9	36.0	54.
641	153.0	20653.7	50.0	-63.3	-14.9	131.2	4.6	-3.4	3.0	494.3	999.9	99.9	999.9	36.9	52.
703	162.0	25080.4	25.0	-49.2	-14.9	20.5	5.6	-2.0	-5.3	643.3	999.9	99.9	999.9	33.8	51.

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

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 340  
LITTLE ROCK, ARKANSAS

10 MAY 1979  
1105 GMT

100 13. 0

TIME MIN	CMCT	WET LHT GDM	PRES MB	TEMP DG C	DEP PT DG C	DIR DG	SPEED M/SEC	U CUP M/SEC	V COVR M/SEC	POI T DG K	E POT T DG K	MK RFG GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.8	172.9	970.1	20.4	18.9	180.0	2.6	0.0	2.6	296.4	330.7	14.0	61.0	0.0	0.
05.7	94.7	99.7	1000.0	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
06.6	9.2	305.3	975.0	20.6	18.6	191.3	10.8	2.1	10.6	295.9	332.4	16.0	88.0	0.7	3.
1.3	12.5	531.2	950.0	21.3	17.7	193.3	12.5	2.2	12.3	298.8	334.0	13.6	80.2	0.8	9.
2.2	12.9	762.2	925.0	19.9	15.9	188.8	13.5	2.1	13.3	299.6	332.7	12.4	77.9	1.4	9.
3.1	12.1	978.6	900.0	18.2	13.0	192.2	13.5	3.3	13.1	300.3	325.7	10.5	71.6	2.2	9.
4.1	12.5	1282.3	875.0	17.6	10.6	210.6	12.8	7.8	9.6	302.1	327.3	9.3	63.7	2.9	13.
5.1	14.3	1687.5	850.0	15.6	12.5	237.5	13.3	10.9	7.0	302.5	331.9	10.8	81.9	3.6	20.
6.1	22.4	1741.0	825.0	13.7	11.6	236.9	13.3	11.2	7.3	303.1	331.6	10.5	86.8	4.2	27.
7.3	24.9	2331.1	800.0	11.9	6.1	215.7	11.6	6.8	9.4	303.8	327.4	8.6	77.9	4.9	30.
8.2	22.4	2250.5	775.0	12.4	-31.5	201.0	11.0	4.2	10.2	308.2	309.3	0.3	2.0	5.6	29.
9.4	32.0	2247.3	750.0	14.7	-40.9	202.8	12.1	6.5	11.4	312.0	313.1	0.1	1.0	6.5	28.
10.4	32.6	2321.1	725.0	13.9	-20.4	218.2	13.6	7.0	12.3	316.7	316.1	1.1	7.7	7.4	29.
11.6	35.2	3122.3	700.0	11.8	-19.9	218.4	12.4	7.0	10.2	315.5	316.2	1.1	9.1	8.3	29.
12.4	34.9	3424.7	675.0	9.4	-20.1	219.4	13.7	8.7	10.6	316.2	315.5	1.1	10.5	9.2	30.
13.7	43.9	3715.7	650.0	6.8	-20.2	219.5	13.0	7.7	10.4	316.7	320.5	1.2	12.4	10.1	31.
15.1	43.6	4246.2	625.0	4.1	-19.4	221.0	12.5	8.2	9.4	317.1	321.4	1.3	10.1	11.0	32.
16.4	41.4	4281.1	600.0	1.5	-25.8	223.7	12.3	8.0	8.6	317.9	320.5	0.8	10.9	11.9	32.
17.7	41.4	4277.4	575.0	-1.4	-27.6	226.1	12.1	5.2	6.0	310.3	320.6	0.7	11.5	12.9	34.
19.1	51.4	4374.7	550.0	-4.6	-28.3	231.3	13.3	10.4	6.3	315.0	320.9	0.7	13.6	13.9	35.
20.4	51.5	5442.1	525.0	-8.0	-29.0	237.0	12.1	10.2	6.6	310.8	321.3	0.7	19.2	14.9	36.
22.0	44.9	5319.6	500.0	-11.7	-27.4	241.3	11.6	12.1	5.6	318.6	321.6	0.8	20.1	15.9	36.
23.9	62.0	6238.8	475.0	-15.7	-26.6	235.4	12.0	10.2	6.3	318.6	321.6	0.9	23.3	16.9	39.
25.1	61.4	6011.9	450.0	-19.6	-26.1	235.1	11.4	9.3	6.5	319.6	321.9	1.2	24.9	18.1	40.
26.1	61.0	7024.7	425.0	-23.7	-27.4	235.1	9.3	7.6	5.3	310.6	321.7	0.9	21.5	19.2	41.
28.7	72.4	7480.3	400.0	-21.5	-62.1	192.2	4.2	1.1	4.2	327.0	321.1	0.0	1.3	19.0	41.
30.5	74.1	7322.3	375.0	-25.4	-58.5	179.3	5.1	-0.1	5.1	328.0	323.2	0.0	2.8	20.2	40.
32.4	82.0	4944.6	350.0	-27.7	-59.0	185.2	5.1	0.4	5.1	328.8	324.9	0.0	5.2	23.0	39.
34.4	84.0	4272.2	325.0	-34.1	-54.5	212.3	4.2	2.2	3.5	329.6	325.8	0.0	5.6	21.2	39.
36.6	74.3	4270.0	300.0	-37.5	-61.1	230.1	3.1	2.5	1.7	331.9	332.0	0.0	6.7	21.6	37.
38.9	92.3	3122.3	275.0	-42.5	99.9	231.3	3.7	2.9	2.3	333.7	993.9	99.9	99.9	22.0	39.
41.1	67.4	13757.6	250.0	-47.8	99.7	242.7	4.7	4.2	2.2	335.0	993.9	99.9	99.9	22.5	40.
43.7	104.5	11467.6	225.0	-52.4	99.9	250.3	5.1	5.0	-9.9	330.2	993.9	99.9	99.9	23.1	41.
46.5	117.9	12731.3	200.0	-56.4	99.9	250.6	4.3	-2.1	-3.8	343.5	993.9	99.9	99.9	23.2	42.
49.5	113.6	11336.5	175.0	-61.4	99.7	160.4	5.0	0.5	5.8	348.7	993.0	99.9	99.9	22.7	41.
53.0	123.3	13291.4	150.0	-62.1	99.9	244.9	17.0	15.4	7.2	363.0	993.9	99.9	99.9	24.9	44.
56.9	124.3	15115.2	125.0	-63.9	99.9	241.3	20.7	10.2	10.0	379.4	993.9	99.9	99.9	29.0	46.
61.5	134.3	15470.6	100.0	-64.9	99.9	241.5	19.3	16.9	9.2	402.3	993.9	99.9	99.9	35.3	48.
67.0	142.7	14224.7	75.0	-65.5	97.9	213.7	6.0	4.1	5.5	435.0	993.9	99.9	99.9	38.3	50.
74.6	151.7	20720.3	50.0	-62.3	99.9	111.6	5.3	-4.9	2.0	606.7	993.9	99.9	99.9	35.6	47.
86.9	161.0	25152.1	25.0	-59.1	99.9	993.9	99.9	99.9	97.9	643.5	993.9	99.9	99.9	37.1	46.

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

STATION NO. 389  
MONETT, MISSOURI

9 MAY 1977  
1100 GMT

158 12. 0

TIME	CHRY	ALT	TEMP	DEG DT	DIR	SPEED	U COMP	V COMP	POT	E-PUT	MR RTD	RHI	RANGE	AZ
MM		FT	US C	US C	US	M/SEC	M/SEC	M/SEC	KG K	US K	GM/KG	PCI	PK	DS
1:03	1:05	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:04	1:06	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:05	1:07	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:06	1:08	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:07	1:09	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:08	1:10	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:09	1:11	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:10	1:12	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:11	1:13	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:12	1:14	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:13	1:15	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:14	1:16	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:15	1:17	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:16	1:18	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:17	1:19	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:18	1:20	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:19	1:21	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:20	1:22	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:21	1:23	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:22	1:24	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:23	1:25	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:24	1:26	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:25	1:27	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:26	1:28	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:27	1:29	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:28	1:30	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:29	1:31	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:30	1:32	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:31	1:33	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:32	1:34	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:33	1:35	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:34	1:36	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:35	1:37	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:36	1:38	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:37	1:39	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:38	1:40	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:39	1:41	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:40	1:42	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:41	1:43	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:42	1:44	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:43	1:45	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:44	1:46	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:45	1:47	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:46	1:48	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:47	1:49	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:48	1:50	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:49	1:51	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:50	1:52	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:51	1:53	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:52	1:54	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:53	1:55	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:54	1:56	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:55	1:57	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:56	1:58	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:57	1:59	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:58	1:59	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
1:59	1:59	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0
2:00	2:00	43500	12.1	16.3	163.0	3.6	-1.2	3.4	270.0	329.6	12.3	86.0	0.0	0.0

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



STATION NO. 349  
 MONETT, MISSOURI

9 MAY 1979  
 1405 GMT

159 13. 0

TIME MIN	CHCT	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	WIND TO GM/KG	RH PCT	RANGE KM	AZ DG
0-2	12-5	436-0	957-7	22-1	18-1	170-0	4-6	-0-8	4-5	298-9	335-4	13-0	78-0	0-0	0-
0-3	09-9	1000-0	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
0-4	09-9	51-9	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
0-5	11-3	505-3	755-0	21-1	17-3	189-1	10-2	1-6	10-0	298-4	333-7	13-3	79-0	0-3	0-
1-1	13-5	733-0	925-0	18-7	16-7	168-9	11-1	1-7	10-9	298-4	333-0	13-1	88-7	0-7	5-
2-2	15-9	974-1	908-0	16-9	15-7	168-2	14-6	3-3	18-2	298-9	332-3	12-6	92-7	1-4	0-
3-0	18-2	1214-6	875-0	15-4	14-0	199-9	17-4	5-9	18-4	298-7	330-6	11-6	91-9	2-3	11-
3-5	20-6	1661-0	850-0	16-2	5-0	201-3	16-4	5-9	15-3	333-1	322-0	8-0	50-7	3-1	14-
4-7	23-0	1717-2	825-0	21-7	-33-9	194-6	12-9	3-3	12-5	311-5	321-5	0-3	1-3	3-9	15-
5-7	25-5	1982-9	802-0	20-8	-30-1	195-6	11-2	3-0	10-8	313-4	314-7	0-4	2-0	4-6	15-
6-4	27-9	2555-4	775-0	14-1	-20-3	200-5	9-9	3-4	9-2	314-4	316-7	0-7	3-9	5-3	15-
7-7	30-4	2535-2	750-0	16-7	-20-6	196-0	8-7	2-4	8-4	316-7	318-0	1-0	6-2	5-6	16-
8-7	32-3	2821-7	725-0	13-9	-19-6	188-7	6-6	1-3	8-5	316-7	318-2	1-1	8-0	6-3	15-
9-3	35-6	3115-8	702-0	11-4	-20-1	183-0	6-0	0-4	8-0	315-1	319-7	1-1	9-2	6-9	14-
10-7	38-3	3417-9	675-0	9-0	-15-4	189-6	7-0	1-2	6-9	315-0	321-2	1-7	16-1	7-4	14-
12-1	41-0	3724-5	653-0	6-2	-11-2	198-3	5-8	1-6	5-5	316-0	323-0	2-5	27-5	7-8	14-
13-1	43-9	4049-4	625-0	3-4	-12-0	193-4	6-0	1-4	5-8	316-3	323-9	2-4	31-4	8-1	14-
14-3	45-6	4377-7	603-0	0-3	-13-4	178-4	6-7	-0-1	6-7	316-5	323-6	2-3	34-8	8-5	14-
15-5	47-4	4716-9	575-0	-3-0	-15-3	176-5	4-6	-0-3	4-6	316-5	323-9	2-0	37-9	8-8	13-
16-8	51-4	5366-9	553-0	-6-4	-21-7	172-3	5-4	-0-7	5-3	316-5	323-9	1-3	39-2	9-2	12-
18-0	55-4	5924-9	525-0	-8-5	-23-4	170-6	7-0	-1-1	6-9	316-2	319-9	0-5	42-3	9-6	11-
19-4	58-6	6435-3	503-0	-11-4	-41-6	162-7	7-4	0-4	7-6	319-2	319-9	0-2	5-1	10-2	10-
20-7	61-7	6196-3	475-0	-14-6	-61-4	178-1	7-0	-0-2	7-0	320-0	320-7	0-2	8-0	10-7	10-
22-2	65-0	6804-3	453-0	-16-4	-32-5	195-1	9-8	0-9	9-7	322-6	324-5	0-5	23-3	11-4	9-
23-6	68-4	7031-6	425-0	-23-1	-30-9	185-3	11-8	1-1	11-7	323-2	325-5	0-7	37-4	12-4	9-
24-7	71-7	7477-5	400-0	-23-8	-35-4	160-9	12-8	0-2	12-8	324-0	325-7	0-5	33-4	13-5	9-
25-9	75-3	7845-4	375-0	-27-8	-39-9	179-2	12-9	-0-2	12-9	324-3	326-0	0-3	30-0	14-8	8-
27-4	78-0	8417-5	353-0	-31-5	-41-1	185-9	10-5	1-1	10-4	326-3	327-3	0-3	38-0	16-0	7-
30-4	81-0	8957-9	325-0	-35-0	-46-8	197-5	9-1	2-7	8-6	327-4	328-0	0-2	31-0	17-2	7-
32-7	84-0	9509-8	300-0	-39-2	-53-0	244-4	8-3	7-5	3-6	330-1	330-5	0-1	21-3	18-1	9-
34-5	91-2	10100-2	275-0	-43-7	99-9	270-8	8-2	8-2	-0-1	332-0	993-9	99-9	99-9	18-4	12-
36-4	93-7	10733-9	250-0	-48-8	99-9	273-8	5-4	5-3	-0-4	333-5	993-9	99-9	99-9	18-5	15-
38-3	102-5	11418-2	225-0	-53-5	99-9	247-1	5-5	5-1	2-1	336-6	999-9	99-9	99-9	18-7	16-
41-9	105-6	12170-4	200-0	-56-5	99-9	228-2	15-6	7-8	7-0	333-3	999-9	99-9	99-9	19-8	19-
44-7	111-2	13111-6	175-0	-60-2	99-9	229-0	18-0	11-6	10-2	350-6	999-9	99-9	99-9	21-8	21-
48-0	117-3	13975-1	150-0	-60-1	99-9	234-1	18-0	14-3	10-5	368-8	999-9	99-9	99-9	24-9	25-
51-9	123-0	15108-8	125-0	-62-6	99-9	238-2	18-8	13-2	10-3	381-7	999-9	99-9	99-9	28-5	29-
54-5	131-7	16481-0	100-0	-63-4	99-9	225-3	11-7	11-2	11-1	405-3	999-9	99-9	99-9	32-5	32-
62-2	143-7	18261-3	75-0	-63-3	99-9	216-0	11-2	6-7	9-0	448-6	999-9	99-9	99-9	37-4	34-
64-5	151-0	20422-5	50-0	-54-2	99-9	134-1	4-5	-3-2	3-1	515-8	999-9	99-9	99-9	40-1	33-
61-4	163-0	25909-2	25-0	-45-2	99-9	997-9	99-9	77-9	99-9	634-7	999-9	99-9	99-9	38-7	34-

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
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STATION NO. 349  
 MONETT, MISSOURI

9 MAY 1974  
 1705 GMT

152 31. 0

TIME	CHRY	HEIGHT	OMFS	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	P W T	E POT	MR REQ	RH	RANGE	AZ
MIN		SLW	WJ	JS C	DU C	DG	M/SEC	M/SEC	M/SEC	OG K	OG K	GM/KG	PCF	MM	DG
0.3	1.05	431.7	3.00	26.4	11.7	190.0	6.7	1.2	6.6	303.2	328.1	9.1	40.0	0.0	0.
0.9	9.00	471.0	1.00	33.0	92.3	33.3	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.5	9.00	475.0	2.00	40.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
2.1	11.3	521.7	2.00	24.2	16.0	190.4	9.7	3.7	9.7	331.0	334.5	12.2	60.2	0.3	350.
2.7	11.5	568.1	4.00	21.9	15.5	147.6	9.9	1.3	9.7	331.7	334.2	12.1	67.0	0.6	350.
3.3	11.5	614.5	4.00	19.9	15.5	132.1	10.0	2.1	9.7	302.0	335.8	12.5	76.2	1.0	4.
3.9	11.3	660.5	4.00	17.5	15.7	177.4	9.7	2.9	9.2	322.0	336.6	13.0	89.9	1.4	7.
4.5	11.3	706.5	4.00	15.3	14.3	233.0	10.7	4.2	9.9	322.0	336.6	11.9	91.7	1.9	10.
5.1	11.3	752.5	4.00	13.3	12.2	235.0	11.7	5.0	10.6	302.3	331.9	10.9	94.8	2.3	14.
5.7	11.3	798.5	4.00	13.5	12.2	192.2	11.0	2.8	12.7	305.5	320.9	5.5	47.5	3.3	16.
6.3	11.3	844.5	4.00	14.0	11.1	171.1	11.1	-1.7	11.0	313.2	313.8	0.2	1.0	4.0	14.
6.9	11.3	890.5	4.00	16.6	10.9	162.7	10.5	-3.1	10.0	314.6	315.2	0.2	1.0	4.5	9.
7.5	11.3	936.5	4.00	16.1	10.9	158.8	6.2	-3.5	7.4	316.9	315.5	0.1	1.0	5.0	7.
8.1	11.3	982.5	4.00	17.0	11.5	159.4	7.4	-2.6	6.9	315.8	317.2	0.4	3.4	5.4	3.
8.7	11.3	1028.5	4.00	13.0	16.5	169.3	6.2	-1.5	6.0	316.3	321.9	1.6	13.7	5.8	2.
9.3	11.3	1074.5	4.00	7.1	17.7	167.5	5.9	-1.3	5.8	317.0	321.7	1.5	15.1	6.2	1.
9.9	11.3	1120.5	4.00	3.1	17.4	149.7	5.0	-0.9	4.9	317.3	321.4	1.5	18.6	6.5	0.
10.5	11.3	1166.5	4.00	3.1	20.4	181.1	5.2	-1.0	5.1	317.3	320.7	1.3	18.4	6.9	0.
11.1	11.3	1212.5	4.00	1.0	20.4	181.1	5.2	0.1	6.4	317.3	320.7	1.0	19.7	7.3	350.
11.7	11.3	1258.5	4.00	-2.3	21.3	140.6	6.4	0.1	6.0	318.4	319.5	0.3	7.0	7.8	0.
12.3	11.3	1304.5	4.00	-6.8	35.3	206.3	8.9	3.9	8.0	318.4	319.5	0.6	15.4	8.6	4.
12.9	11.3	1350.5	4.00	-7.4	29.1	221.9	10.3	6.9	7.7	319.1	321.2	0.6	11.0	9.1	7.
13.5	11.3	1396.5	4.00	-10.4	35.5	218.5	10.8	6.7	8.4	319.9	321.1	0.4	11.0	9.1	7.
14.1	11.3	1442.5	4.00	-14.2	39.6	200.0	10.3	3.5	9.7	320.4	321.3	0.3	9.5	9.9	9.
14.7	11.3	1488.5	4.00	-17.3	44.7	182.5	11.2	0.5	11.2	321.5	322.0	0.2	7.1	10.7	9.
15.3	11.3	1534.5	4.00	-17.3	44.7	182.5	11.2	0.5	12.1	323.0	324.6	0.4	22.3	11.7	8.
15.9	11.3	1580.5	4.00	-23.0	36.3	160.5	12.5	-2.9	12.1	324.3	324.6	0.4	4.0	12.9	5.
16.5	11.3	1626.5	4.00	-23.6	56.8	175.2	12.1	-1.0	12.1	324.3	324.6	0.1	4.0	12.9	5.
17.1	11.3	1672.5	4.00	-25.4	65.4	222.1	7.9	5.3	5.9	326.0	324.0	0.0	1.0	13.7	6.
17.7	11.3	1718.5	4.00	-29.7	61.1	259.6	9.3	9.1	1.7	330.1	330.2	0.0	2.7	14.0	9.
18.3	11.3	1764.5	4.00	-32.9	59.0	265.5	10.0	10.0	0.6	331.5	331.6	0.0	5.3	14.3	13.
18.9	11.3	1810.5	4.00	-34.1	50.9	265.8	10.9	10.9	0.6	331.7	331.9	0.0	8.0	14.7	17.
19.5	11.3	1856.5	4.00	-42.3	99.9	255.5	9.2	8.9	2.3	334.0	331.9	99.9	99.9	15.3	22.
20.1	11.3	1902.5	4.00	-47.6	99.9	230.6	6.9	6.6	1.7	335.3	331.9	99.9	99.9	15.9	25.
20.7	11.3	1948.5	4.00	-56.1	99.9	255.0	10.6	10.3	2.6	335.6	331.9	99.9	99.9	16.7	28.
21.3	11.3	1994.5	4.00	-56.4	99.9	248.3	12.6	11.3	5.5	345.5	331.9	99.9	99.9	18.2	32.
21.9	11.3	2040.5	4.00	-59.0	99.9	230.2	15.3	12.7	8.5	352.5	331.9	99.9	99.9	20.1	35.
22.5	11.3	2086.5	4.00	-60.1	99.9	225.6	16.7	13.4	13.0	366.6	331.9	99.9	99.9	23.2	37.
23.1	11.3	2132.5	4.00	-61.1	99.9	220.8	19.0	14.5	12.3	384.4	331.9	99.9	99.9	27.2	38.
23.7	11.3	2178.5	4.00	-62.6	99.9	220.3	20.3	14.7	14.0	400.8	331.9	99.9	99.9	31.9	40.
24.3	11.3	2224.5	4.00	-59.9	99.9	220.3	13.2	8.8	9.8	427.4	331.9	99.9	99.9	37.2	42.
24.9	11.3	2270.5	4.00	-56.9	99.9	153.3	6.7	-3.0	6.0	514.2	331.9	99.9	99.9	40.2	40.
25.5	11.3	2316.5	4.00	39.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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 6 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
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STATION NO. 349  
HOMETT, MISSOURI

9 MAY 2005 GMT 1979

157 15. 0

TIME MIN	CNCT	HEIGHT GPH	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	WX RTO GM/KG	HM PCT	RANGE NM	AZ DEG
0.3	10.3	438.0	958.0	26.2	18.8	203.0	4.1	1.4	3.9	303.1	341.9	14.3	64.0	0.0	0.
09.0	09.0	1000.0	1000.0	09.0	09.0	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9
09.0	09.0	94.9	975.0	09.0	09.0	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9
0.3	11.0	512.0	950.0	25.6	15.7	172.9	8.0	-1.8	7.9	303.2	335.4	11.9	54.1	-3.3	352.
1.1	13.4	748.1	945.0	23.1	14.4	175.0	8.9	-0.8	8.8	303.0	333.8	11.4	53.3	0.6	357.
2.0	15.7	988.5	900.0	20.6	14.0	171.1	18.6	-1.6	10.3	302.7	333.3	11.3	66.1	1.1	356.
3.0	19.1	1227.7	875.0	18.5	13.2	183.0	18.3	-3.8	9.8	303.0	332.8	11.0	71.3	1.8	353.
4.1	20.5	1476.1	850.0	16.5	11.6	185.8	11.1	-2.7	10.7	303.4	331.3	10.2	72.8	2.5	349.
5.2	22.9	1729.9	825.0	14.6	7.2	181.7	12.6	0.4	12.6	305.0	325.7	7.8	61.4	3.2	352.
6.1	25.4	1940.5	800.0	15.7	-3.2	197.4	13.8	0.1	13.1	307.9	320.5	6.3	31.1	3.0	354.
7.3	27.4	2252.9	775.0	17.4	-32.1	199.2	12.3	1.7	12.2	312.6	313.7	8.3	2.1	0.5	358.
8.3	33.4	2534.2	750.0	15.5	-27.5	178.4	18.3	-0.3	10.3	313.4	315.2	0.5	3.6	5.2	358.
9.3	33.1	2493.7	725.0	13.2	-26.7	170.0	9.8	-1.7	9.6	316.0	316.0	0.6	4.5	5.9	358.
10.3	33.4	3116.4	700.0	10.6	-26.0	162.0	9.3	-2.9	8.9	316.2	316.3	0.6	5.3	6.3	377.
11.3	35.4	3413.1	675.0	8.3	-22.7	164.4	9.1	-2.4	8.7	315.0	318.2	1.0	13.0	0.9	355.
12.3	41.2	3770.5	650.0	6.2	-18.9	176.4	7.9	-0.5	7.9	316.0	321.0	1.6	17.3	7.4	355.
13.2	48.0	4349.3	625.0	3.2	-13.2	181.7	7.7	0.2	7.7	316.1	322.1	1.9	24.3	8.2	355.
14.6	48.9	4375.9	600.0	0.4	-23.0	193.1	8.0	1.8	7.8	316.6	320.8	1.3	23.0	6.5	356.
15.5	43.4	4716.4	575.0	-2.5	-23.5	211.5	10.2	5.4	8.7	317.1	323.3	1.0	19.0	9.1	359.
16.3	42.6	5076.4	550.0	-5.1	-25.1	221.5	12.1	8.0	9.1	318.0	321.0	0.9	18.5	9.7	1.
17.1	55.9	5432.6	525.0	-9.0	-21.9	229.5	12.4	7.8	9.2	318.8	322.9	1.3	31.7	10.5	4.
18.5	59.0	5907.3	500.0	-11.0	-35.3	221.6	12.9	8.6	9.7	314.6	320.9	0.4	11.3	11.3	7.
20.9	62.1	6194.7	475.0	-14.6	-38.8	221.4	14.6	9.8	11.1	320.1	321.3	0.3	12.8	12.2	12.
22.1	65.5	6635.7	450.0	-17.7	-47.6	215.9	13.1	7.7	10.6	321.0	321.5	0.1	8.2	13.2	13.
23.6	68.9	7031.2	425.0	-19.3	-61.9	220.4	10.7	6.9	8.1	324.3	324.4	0.0	1.0	14.2	14.
25.2	72.4	7491.4	400.0	-21.1	-63.6	237.8	9.8	8.3	5.2	327.5	327.6	0.0	1.0	15.3	15.
27.4	76.0	7954.3	375.0	-25.1	-63.6	252.7	11.0	10.2	3.3	328.4	328.5	0.0	2.1	15.6	19.
28.5	79.7	8452.2	350.0	-28.7	-61.5	254.9	13.2	12.4	3.5	330.1	330.2	0.0	2.0	16.3	23.
30.1	83.7	8977.5	325.0	-33.6	-61.3	253.4	11.7	11.1	3.8	330.4	330.5	0.0	4.2	17.3	26.
31.3	87.7	9531.6	300.0	-39.6	-62.4	253.4	11.0	10.5	3.1	331.1	331.2	0.0	5.1	18.2	29.
32.4	92.3	10125.3	275.0	-43.0	-62.9	263.6	10.	9.2	4.6	332.9	999.9	999.9	999.9	18.2	32.
33.7	96.4	10763.4	250.0	-49.3	-62.9	265.7	10.3	9.4	4.3	334.3	999.9	999.9	999.9	22.5	34.
34.1	101.2	11445.2	225.0	-54.1	-62.9	265.7	12.2	11.6	3.2	335.6	999.9	999.9	999.9	21.8	36.
41.7	106.2	12143.3	200.0	-58.7	-62.9	265.7	13.6	12.9	3.8	339.9	999.9	999.9	999.9	23.4	40.
44.5	111.8	13031.9	175.0	-58.8	-62.9	265.3	14.8	12.2	8.4	351.3	999.9	999.9	999.9	25.5	42.
47.7	117.9	13981.4	150.0	-61.6	-62.9	269.0	19.5	14.7	12.8	363.9	999.9	999.9	999.9	28.7	43.
51.5	124.3	15119.4	125.0	-62.4	-62.9	279.0	21.1	15.9	13.8	382.0	999.9	999.9	999.9	31.4	44.
55.9	131.7	16491.4	100.0	-63.4	-62.9	281.1	21.6	16.0	13.0	405.2	999.9	999.9	999.9	38.7	45.
60.2	140.3	18271.7	75.0	-60.7	-62.9	286.7	14.0	8.4	11.2	445.8	999.9	999.9	999.9	45.1	45.
64.2	150.0	20408.5	50.0	-57.5	-62.9	186.2	5.1	0.4	5.1	507.9	999.9	999.9	999.9	48.3	46.
81.6	161.5	25248.3	25.0	-49.1	-62.9	180.0	5.0	-1.7	4.7	646.5	999.9	999.9	999.9	47.2	49.

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

STATION NO. 349  
 WINNETT, MISSOURI  
 9 MAY 1979  
 2330 GMT

159 12. 0

TIME MIN	ENTCF	WEIGHT GPM	PHES MS	TEMP DS C	DEB PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T OG K	E POT T OG K	MX #70 GM/FG	RM PCT	RANGE KM	AZ DG
0-3	17.4	434.0	957.0	27.3	15.3	170.3	4.6	-0.8	4.5	304.3	335.7	11.6	44.0	0.0	0.
0-3	0-3	92.1	1030.7	99.9	99.9	44.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-2	11.0	975.0	975.0	26.0	14.1	172.9	9.3	-1.2	9.0	304.4	333.7	10.7	45.0	0.3	337.
1-3	13.4	739.0	925.0	24.4	12.4	166.0	12.9	-2.5	12.6	304.3	331.3	9.8	47.0	3.7	343.
1-9	15.4	977.2	930.0	22.1	11.4	157.7	11.2	-3.9	10.5	304.4	330.4	9.5	50.9	1.2	342.
2-4	14.2	121.3	375.0	17.0	11.3	161.7	11.6	-3.6	11.0	304.4	330.6	9.5	54.6	1.9	342.
3-5	2-5	1470.5	432.0	17.6	12.5	165.7	11.8	-2.9	11.4	304.6	330.3	9.7	60.5	1.4	342.
4-6	2-1	1725.1	450.0	15.4	31.7	167.7	12.2	-2.6	11.9	304.8	329.5	9.9	66.5	3.1	343.
5-5	2-6	1945.4	600.0	13.2	5.9	192.7	12.7	0.0	12.7	305.3	325.0	7.0	54.7	3.4	344.
6-4	2-1	2753.2	750.0	15.7	-24.9	191.2	13.5	2.6	13.3	310.7	312.8	0.6	4.5	4.5	343.
7-4	3-7	2331.9	750.0	14.9	-23.7	190.0	11.6	-0.0	11.6	312.6	315.7	1.0	5.9	5.2	341.
8-1	3-1	2316.3	725.0	13.0	-22.2	184.1	13.0	0.7	10.0	313.7	316.7	0.9	6.9	5.3	342.
9-3	3-9	3174.7	730.0	11.7	-21.7	191.8	13.4	2.1	13.2	315.5	314.8	1.0	4.3	6.4	344.
10-6	3-7	3412.1	675.0	9.1	-21.5	196.0	13.7	3.3	10.3	317.8	319.1	1.0	9.5	7.1	354.
11-7	4-6	3722.3	650.0	5.4	-22.7	201.9	11.7	4.7	10.3	316.2	319.9	1.1	12.2	7.7	359.
12-4	4-2	4332.4	625.0	3.4	-23.3	208.3	11.4	5.4	10.0	316.4	314.5	0.9	11.9	8.4	360.
13-9	4-1	4371.4	600.0	0.4	-23.2	218.4	11.7	6.9	9.4	316.6	319.9	1.0	15.4	9.1	3.
14-3	5-0	4711.1	575.0	2.4	-15.6	222.9	11.9	8.1	8.7	317.2	323.5	2.0	35.3	9.8	5.
15-2	5-0	5342.4	550.0	-4.7	-24.5	232.1	12.3	9.7	7.5	316.6	320.6	0.6	12.2	13.4	8.
17-4	5-3	5425.4	525.0	-6.3	-31.4	236.0	11.2	11.0	7.4	319.9	320.7	0.5	13.1	11.9	17.
18-4	6-1	5431.0	500.0	-11.1	-37.4	243.3	14.4	11.6	6.6	319.5	320.6	0.3	8.9	13.9	16.
20-2	6-4	6195.2	475.0	-13.1	-44.1	227.8	12.7	9.7	6.2	321.7	322.1	0.1	3.4	12.9	19.
21-4	6-7	6406.0	450.0	-14.9	-51.3	224.4	9.7	7.3	6.4	324.5	324.0	0.1	2.0	13.0	21.
21-3	6-1	7236.2	425.0	-17.7	-52.6	227.4	12.2	7.5	6.9	326.3	326.6	0.1	3.7	14.0	23.
24-7	7-6	7495.4	400.0	-21.5	-52.4	237.8	11.1	9.4	5.9	327.0	327.3	0.1	4.2	14.4	24.
26-7	7-2	7757.1	375.0	-24.7	-44.3	247.3	12.5	11.6	4.7	329.0	329.2	0.1	4.6	16.2	27.
27-9	6-3	8457.4	350.0	-44.6	-55.3	242.1	13.1	11.5	6.1	330.2	330.4	0.1	5.6	17.2	29.
28-8	8-0	8482.9	325.0	-33.4	-56.7	245.7	11.4	10.4	4.7	330.7	330.9	0.1	7.0	18.5	32.
31-7	8-0	9370.3	300.0	-34.4	-59.7	244.5	13.4	9.7	3.6	331.2	331.4	0.0	8.5	19.4	34.
31-7	9-3	13111.5	275.0	-43.3	-47.4	237.5	10.8	8.4	6.9	332.5	332.9	0.9	999.9	21.3	36.
37-4	9-8	11765.7	250.0	-48.7	-41.3	234.3	11.3	9.1	6.6	333.7	333.7	0.9	999.9	21.9	36.
34-3	10-4	11453.3	225.0	-51.1	-41.9	251.6	13.7	13.0	4.3	335.6	335.6	0.9	999.9	23.5	38.
43-9	10-9	12196.1	200.0	-43.2	-34.3	254.3	15.2	14.7	4.2	339.1	339.1	0.9	999.9	25.3	41.
43-6	11-6	13474.3	175.0	-43.9	-34.3	254.3	15.6	13.4	9.4	349.4	349.4	0.9	999.9	27.6	44.
47-1	11-5	13984.6	150.0	-40.9	-34.9	234.0	22.4	18.2	13.2	345.9	345.9	0.9	999.9	31.8	44.
50-9	12-3	15116.5	125.0	-42.7	-34.9	234.2	22.0	18.2	12.2	341.4	341.4	0.9	999.9	34.9	44.
54-6	13-0	16474.1	100.0	-42.2	-34.1	232.6	20.7	16.4	12.6	407.6	407.6	0.8	999.9	42.3	47.
61-1	14-5	14260.2	75.0	-42.9	-34.1	227.7	11.9	8.0	8.0	441.0	441.0	0.9	999.9	49.0	47.
69-0	15-5	20901.0	50.0	-48.6	-34.6	200.7	4.9	1.7	4.6	505.3	505.3	0.9	999.9	51.0	46.
81-4	16-5	25287.1	25.0	-47.2	-34.9	994.9	99.9	99.9	99.9	649.1	649.1	0.9	999.9	60.8	48.

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

STATION NO. 349  
MONETT, MISSOURI

10 MAY 1979  
203 GMT

100 41.0

TIME	CNTCT	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT 1	E POT 1	MR RTO	RM	RANGE	AZ
MIN		GPM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	CM/RC	PCT	KB	DEG
0.0	10.0	430.0	957.0	23.2	14.7	145.0	3.1	-1.0	2.5	300.1	329.9	11.1	59.0	0.0	0.
0.2	0.0	94.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.4	0.0	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	999.9
0.6	11.5	302.5	950.0	24.8	16.3	155.0	11.2	-0.6	10.2	302.4	332.4	12.4	59.1	0.3	320.
1.3	13.0	736.5	925.0	22.9	13.9	159.7	10.0	-5.1	13.9	302.8	332.4	10.9	56.9	0.9	335.
2.2	16.2	778.5	900.0	21.2	12.9	157.4	10.3	-5.9	13.1	303.4	332.0	10.5	59.1	1.7	338.
3.1	16.7	628.5	875.0	18.9	11.8	157.5	10.7	-5.6	13.6	303.5	331.0	10.0	63.4	2.6	337.
4.1	21.2	1066.4	850.0	16.9	8.1	160.9	13.9	-3.1	13.5	303.9	327.0	8.4	58.2	3.4	337.
5.3	23.7	1720.9	825.0	15.4	-8.9	167.7	15.7	2.0	14.6	304.9	313.0	3.0	21.0	4.1	342.
6.2	26.7	1492.2	800.0	17.3	-29.9	187.0	10.9	2.0	14.8	309.0	311.1	0.4	2.0	5.1	348.
7.2	28.4	2251.9	775.0	16.3	-39.9	194.3	13.9	1.0	13.8	311.4	311.9	0.1	1.0	5.9	350.
8.2	31.4	2223.4	750.0	15.1	-31.9	175.1	12.7	-1.1	12.6	313.0	314.3	0.4	2.7	6.7	352.
9.2	34.0	2316.4	725.0	11.7	-23.9	175.1	12.0	-1.2	12.0	314.5	317.1	0.8	4.0	7.5	352.
10.1	37.7	3104.7	700.0	11.5	-15.1	160.9	11.3	1.0	11.3	315.2	320.2	1.6	13.1	9.2	352.
11.4	37.4	3113.7	675.0	8.7	-16.3	194.2	10.7	2.6	10.4	315.4	320.4	1.8	15.2	9.9	354.
12.5	42.2	3121.1	650.0	6.1	-23.9	201.9	11.0	4.4	10.9	315.9	318.0	0.9	9.5	0.6	355.
13.5	45.1	6703.9	625.0	3.8	-27.6	212.1	11.4	6.0	9.6	316.9	320.7	1.2	14.0	12.3	358.
14.3	48.3	6173.4	600.0	1.3	-21.1	229.4	9.9	7.5	9.4	317.6	321.5	1.2	7.9	12.0	3.
15.2	51.0	4711.4	575.0	-2.0	-24.6	231.8	12.2	10.0	7.0	317.7	320.7	0.9	15.7	11.2	4.
16.1	54.0	5352.7	550.0	-5.0	-24.8	243.6	15.7	13.0	7.8	318.1	321.2	0.9	19.4	11.0	7.
17.1	57.1	5426.3	525.0	-8.2	-26.1	243.3	18.5	16.5	8.4	318.6	321.5	0.9	21.0	12.7	12.
18.1	60.2	5133.3	500.0	-11.2	-36.9	235.7	17.1	14.6	8.9	319.4	320.5	0.3	10.1	13.0	18.
19.1	63.4	6134.7	475.0	-13.0	-52.9	232.5	13.0	10.4	7.9	321.9	322.0	3.0	1.3	15.0	21.
20.3	66.4	6606.4	450.0	-13.9	-54.7	217.9	9.0	6.0	7.7	325.9	326.0	2.0	1.0	15.0	22.
21.5	70.1	7037.1	425.0	-17.4	-51.2	212.5	9.1	4.9	7.7	326.2	326.3	2.0	1.0	16.7	23.
22.3	73.7	7447.7	400.0	-20.4	-62.0	222.0	11.0	7.4	8.2	327.9	328.0	0.0	1.2	12.4	24.
23.3	77.1	7941.2	375.0	-24.7	-61.9	233.7	12.3	9.9	7.3	329.0	329.1	3.0	1.7	13.7	25.
24.9	81.3	9454.0	350.0	-28.9	-62.6	232.2	12.6	10.0	7.7	329.0	329.9	0.0	2.2	18.9	27.
26.3	85.0	9999.3	325.0	-33.6	-61.6	228.4	12.8	9.6	8.5	330.4	330.5	3.0	4.0	21.3	29.
27.4	89.0	7000.5	300.0	-39.3	-63.2	231.1	12.0	9.6	7.2	331.3	331.4	0.0	5.3	22.0	30.
28.1	93.3	13132.9	275.0	-43.1	99.9	235.0	12.0	9.9	6.0	332.7	999.9	99.9	999.9	24.2	32.
29.5	97.4	11766.9	250.0	-44.7	99.9	242.2	12.0	11.3	6.0	333.7	999.9	99.9	999.9	25.8	34.
31.1	102.6	11653.7	225.0	-50.3	99.9	243.3	12.4	11.0	5.8	335.3	509.9	99.9	999.9	27.6	36.
32.3	137.4	14136.8	200.0	-53.0	99.9	250.7	13.7	15.5	5.8	339.3	999.9	99.9	999.9	29.6	38.
33.3	113.3	13229.7	175.0	-61.2	99.9	243.3	10.6	16.9	7.8	348.9	999.9	99.9	999.9	31.9	42.
34.5	119.3	13799.7	150.0	-62.0	99.9	237.7	23.7	22.2	13.0	362.0	999.9	99.9	999.9	36.3	44.
36.4	126.2	15125.5	125.0	-63.2	99.9	234.5	20.4	16.6	11.0	380.4	999.9	99.9	999.9	41.6	46.
38.5	133.7	16450.1	100.0	-63.0	99.9	222.7	18.3	12.4	13.4	404.1	999.9	99.9	999.9	47.0	48.
40.4	142.3	19240.7	75.0	-63.0	99.9	209.6	10.5	5.2	2.7	480.9	999.9	99.9	999.9	54.4	48.
42.5	143.0	23761.3	50.0	-59.6	99.9	220.2	4.2	3.1	2.1	503.2	999.9	99.9	999.9	54.4	48.
44.0	140.3	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	999.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE NOT INTERFERED  
0 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0.1 DEG

STATION NO. 349  
MORETT, MISSOURI

10 MAY 505 GMT 1977

156 13. 0

TIME MIN	ENTY	HEIGHT GMS	PRES MB	TEMP JG C	DEW PT DS C	DIR UG	SPEED M/SFC	U COMP M/SFC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/KG	RM PLY	RANGE NM	AZ DG
00	10	434.0	999.0	20.6	15.6	150.0	3.6	-1.2	3.6	227.4	328.4	11.7	73.0	0.0	0
01	09	441.0	1073.0	20.9	16.0	171.0	9.9	99.9	99.9	227.4	999.9	99.9	999.9	999.9	999.9
02	08	448.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
03	07	455.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
04	06	462.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
05	05	469.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
06	04	476.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
07	03	483.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
08	02	490.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
09	01	497.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
10	00	504.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
11	59	511.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
12	58	518.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
13	57	525.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
14	56	532.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
15	55	539.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
16	54	546.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
17	53	553.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
18	52	560.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
19	51	567.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
20	50	574.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
21	49	581.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
22	48	588.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
23	47	595.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
24	46	602.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
25	45	609.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
26	44	616.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
27	43	623.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
28	42	630.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
29	41	637.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
30	40	644.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
31	39	651.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
32	38	658.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
33	37	665.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
34	36	672.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
35	35	679.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
36	34	686.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
37	33	693.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
38	32	700.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
39	31	707.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
40	30	714.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
41	29	721.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
42	28	728.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
43	27	735.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
44	26	742.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
45	25	749.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
46	24	756.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
47	23	763.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
48	22	770.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
49	21	777.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
50	20	784.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
51	19	791.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
52	18	798.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
53	17	805.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
54	16	812.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
55	15	819.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
56	14	826.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
57	13	833.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
58	12	840.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
59	11	847.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
60	10	854.0	999.0	20.9	16.0	171.0	9.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

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

STATION NO. 349  
MONEET, MISSOURI

10 MAY 1979  
05 GMT

TIME M/M	CMTCY	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	RM PCT	ISS	
														14.	0
00	10.5	438.3	257.3	19.6	15.7	140.0	3.6	-2.3	2.8	296.4	327.5	11.8	78.0	0.0	0.
01	9.9	459.9	1000.3	99.3	99.3	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	11.4	505.1	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	11.4	505.1	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	11.7	719.1	925.0	19.5	17.2	172.2	12.8	-1.7	12.7	297.2	336.0	14.1	91.2	0.3	361.
05	16.1	971.1	900.0	18.2	16.2	186.6	15.3	-0.8	15.3	299.3	335.0	13.5	85.2	0.9	369.
06	14.6	1212.4	875.0	16.5	14.2	196.9	17.1	2.0	17.0	303.3	336.9	13.0	87.7	1.7	355.
07	21.5	1459.7	850.0	14.7	12.6	200.2	19.0	5.5	18.1	301.0	332.5	11.8	86.2	2.8	2.
08	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
09	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
10	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
11	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
12	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
13	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
14	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
15	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
16	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
17	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
18	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
19	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
20	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
21	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
22	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
23	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
24	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
25	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
26	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
27	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
28	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
29	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
30	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
31	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
32	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
33	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
34	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
35	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
36	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
37	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
38	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
39	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
40	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
41	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
42	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
43	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
44	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
45	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
46	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
47	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
48	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
49	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
50	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
51	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
52	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
53	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
54	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
55	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
56	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
57	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
58	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
59	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.
60	21.5	1712.4	825.0	13.3	7.9	196.6	19.1	4.8	18.5	302.6	325.4	8.3	70.9	4.9	10.

\* 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  
 WONEET, MISSOURI

 10 MAY 1970  
 1100 GMT

TIME	CMTCY	HEIGHT	PHES	TEMP	DEW PT	DIA	SPEED	U COMP	V COMP	POT T	POT T	E POT T	MK RTO	RM	RANGE	AZ
MIN		GPW	MB	°C	°C	CM	M/SEC	M/SEC	M/SEC	CG K	CG K	CG K	GM/KG	PCT	KM	DG
009	1009	838.0	938.0	19.9	17.1	142.2	6.6	-3.0	3.5	235.6	329.4	329.4	13.0	90.0	0.0	0.
010	999	922.0	1020.0	20.0	22.7	97.7	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9	999.9
011	949	949	875.0	33.2	34.9	54.9	99.9	99.9	99.9	297.3	335.1	335.1	14.0	95.7	0.4	324.
012	1111	517.5	953.0	19.9	19.6	153.6	16.1	-2.8	13.8	337.0	337.0	337.0	14.0	95.7	0.4	324.
013	1348	741.9	920.0	23.2	17.7	173.2	17.0	-0.5	17.0	332.9	332.9	332.9	12.1	70.3	1.8	352.
014	1548	774.1	920.0	23.7	15.1	178.9	17.4	8.5	16.8	332.9	335.7	335.7	12.1	70.3	1.8	352.
015	1748	1222.9	975.0	17.3	13.7	207.7	16.9	8.4	15.6	333.8	334.8	334.8	11.4	70.3	2.6	31.
016	2148	1572.2	975.0	17.9	13.2	217.2	17.3	11.7	15.3	334.8	335.8	335.8	11.4	70.3	3.5	12.
017	2148	1727.3	925.0	16.1	11.3	221.9	19.9	13.2	13.3	335.6	333.8	333.8	10.2	73.0	4.4	19.
018	2148	1848.7	925.0	11.9	10.3	227.0	21.5	14.3	13.3	335.9	332.7	332.7	9.7	73.4	5.4	20.
019	2148	2255.4	775.0	11.5	9.9	227.7	21.5	14.3	16.0	336.2	331.8	331.8	10.0	90.3	6.5	29.
020	3148	2524.7	725.0	8.5	8.5	237.9	19.7	8.5	16.5	337.0	337.3	337.3	8.4	80.2	7.5	32.
021	3148	2912.2	725.0	12.0	-13.5	171.2	13.0	3.5	17.6	312.7	316.6	316.6	1.2	10.0	8.9	28.
022	3148	3115.2	725.0	11.3	-14.1	143.6	15.7	5.7	15.2	315.3	318.9	318.9	1.2	10.0	9.9	28.
023	3148	3434.1	675.0	13.4	-17.7	136.2	13.6	4.3	13.0	317.3	321.2	321.2	1.2	10.0	13.8	25.
024	4148	3723.4	650.0	9.0	-22.3	139.9	13.1	4.3	12.4	315.3	323.4	323.4	1.0	9.6	11.6	25.
025	4481	4241.9	625.0	5.3	-34.7	231.6	11.9	4.3	11.0	318.4	320.2	320.2	0.4	5.3	13.2	24.
026	4743	4373.3	673.0	2.3	-32.1	210.6	12.0	6.1	10.3	318.4	320.2	320.2	0.5	7.9	14.1	25.
027	4743	4718.6	575.0	-0.9	-31.2	217.1	13.8	8.3	11.0	319.9	320.6	320.6	0.5	7.9	14.1	25.
028	4743	5079.0	575.0	-6.2	-39.9	218.0	16.7	10.3	13.2	319.1	323.9	323.9	0.5	13.3	15.7	26.
029	5148	5311.2	525.0	-7.7	-31.6	229.1	18.2	11.7	13.9	319.1	323.9	323.9	0.5	12.9	16.6	27.
030	5148	5308.0	533.0	-11.2	-30.5	213.8	20.9	13.3	16.0	319.4	321.4	321.4	0.6	15.2	18.3	28.
031	5148	5194.7	675.0	-15.4	-30.6	220.8	19.2	11.9	13.8	319.4	321.1	321.1	0.6	25.8	23.2	30.
032	5148	6094.2	850.0	-18.9	-41.3	271.9	17.7	11.6	13.4	319.4	323.1	323.1	0.3	11.1	21.6	30.
033	6148	6094.2	850.0	-23.6	-45.2	215.1	13.5	9.0	10.9	322.6	323.2	323.2	0.2	8.9	22.9	31.
034	7248	7373.6	600.0	-22.2	-49.2	222.7	16.4	5.6	13.2	326.2	326.6	326.6	0.1	6.5	24.2	31.
035	7248	7879.6	600.0	-22.6	-54.3	232.7	17.8	6.3	16.7	327.4	329.0	329.0	0.1	4.8	25.8	30.
036	7248	8484.1	353.0	-29.0	-55.5	236.2	18.1	9.0	16.2	329.7	329.9	329.9	0.1	5.7	29.0	30.
037	8148	8484.1	325.0	-33.3	-56.9	210.1	17.2	8.6	16.9	330.9	331.0	331.0	0.1	7.3	33.1	29.
038	8148	9245.5	302.0	-37.2	-59.8	222.1	16.2	10.9	12.1	332.7	333.1	333.1	0.0	7.4	32.2	30.
039	9248	9245.5	275.0	-41.6	-59.1	228.3	16.7	12.5	11.3	335.3	333.9	333.9	99.9	99.9	34.1	31.
040	9248	13743.0	253.0	-46.3	-62.9	252.2	18.7	13.9	5.0	337.3	333.9	333.9	99.9	99.9	35.9	32.
041	10148	14855.2	225.0	-51.7	-69.9	268.1	19.8	15.8	0.5	339.0	333.9	333.9	99.9	99.9	37.2	34.
042	10148	16230.0	200.0	-58.9	-75.9	275.3	13.3	10.7	-1.0	339.0	333.9	333.9	99.9	99.9	38.1	37.
043	11248	13312.9	175.0	-64.7	-93.7	227.4	7.5	7.0	6.4	343.2	333.9	333.9	99.9	99.9	39.1	38.
044	11248	13370.3	150.0	-61.0	-93.7	229.3	21.9	16.3	16.5	341.6	333.9	333.9	99.9	99.9	41.9	38.
045	12548	15997.9	125.0	-61.0	-93.7	231.2	22.1	7.7	13.2	340.6	333.9	333.9	99.9	99.9	47.5	40.
046	13248	16866.7	100.0	-63.3	-99.9	232.6	17.1	14.6	11.0	401.8	333.9	333.9	99.9	99.9	52.8	41.
047	16148	13223.1	75.0	-63.3	-99.9	232.6	9.1	3.6	8.5	401.8	333.9	333.9	99.9	99.9	57.8	42.
048	15148	23748.3	50.0	-59.5	-99.9	130.7	6.1	-3.1	2.7	523.3	333.9	333.9	99.9	99.9	58.7	40.
049	16148	25204.2	25.0	-49.4	-99.9	99.9	99.9	99.9	99.9	443.1	333.9	333.9	99.9	99.9	56.1	41.

° 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  
9 MAY 1970  
1100 GMT

FILE	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MA RTD	RH	RANGE	AZ
HT		GD	MB	CG C	CG C	CG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KV	DEG
3.0	10.0	392.3	957.3	23.6	16.2	160.0	9.8	-3.4	9.2	297.4	329.7	12.2	76.7	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	999.9
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	999.9
99.9	99.9	99.9	950.0	20.0	16.4	99.9	99.9	99.9	99.9	298.3	331.3	12.5	76.1	999.9	999.9
99.9	99.9	99.9	925.0	19.3	16.3	99.9	99.9	99.9	99.9	299.0	332.9	12.8	83.0	999.9	999.9
99.9	99.9	99.9	900.0	16.7	16.7	99.9	99.9	99.9	99.9	299.7	333.9	11.0	87.8	2.5	1.
99.9	99.9	99.9	875.0	14.6	13.1	187.2	24.1	3.0	24.0	299.0	328.2	11.0	90.9	3.9	3.
99.9	99.9	99.9	850.0	13.0	6.4	191.6	25.8	5.2	25.3	299.8	324.8	9.3	83.1	5.2	4.
99.9	99.9	99.9	825.0	21.4	-36.8	199.4	29.7	9.8	29.0	311.3	312.0	0.2	1.0	6.5	7.
99.9	99.9	99.9	800.0	21.4	-36.9	199.7	27.6	9.3	26.0	314.0	314.7	0.2	1.0	8.1	9.
99.9	99.9	99.9	775.0	17.2	-38.2	198.7	26.5	9.1	27.0	316.5	315.1	0.2	1.0	9.6	11.
99.9	99.9	99.9	750.0	16.8	-37.6	198.4	26.0	8.2	25.7	314.8	315.4	0.2	1.0	11.4	12.
99.9	99.9	99.9	725.0	14.8	-40.9	196.7	23.5	6.7	22.5	315.7	316.2	0.1	1.0	13.0	13.
99.9	99.9	99.9	700.0	12.3	-42.4	196.9	22.3	6.5	21.4	316.1	316.6	0.1	1.0	14.7	13.
99.9	99.9	99.9	675.0	10.3	-40.3	203.5	19.4	6.8	18.2	317.2	317.9	0.2	1.0	16.2	16.
99.9	99.9	99.9	650.0	7.5	-27.8	203.1	18.1	7.1	16.7	317.4	319.4	0.6	6.0	17.5	14.
99.9	99.9	99.9	625.0	4.3	-29.5	202.4	19.9	7.6	18.4	317.1	319.1	0.5	6.3	18.8	15.
99.9	99.9	99.9	600.0	1.4	-31.1	203.0	20.7	7.1	19.4	317.7	319.4	0.4	6.7	20.2	15.
99.9	99.9	99.9	575.0	-1.0	-33.0	197.6	18.2	5.5	17.3	317.9	319.4	0.4	7.0	21.5	16.
99.9	99.9	99.9	550.0	-5.1	-37.7	196.3	20.2	5.7	19.4	318.0	318.8	0.2	4.6	22.9	16.
99.9	99.9	99.9	525.0	-6.3	-53.4	197.5	13.9	4.2	13.2	320.8	321.0	0.0	1.0	24.1	16.
99.9	99.9	99.9	500.0	-9.7	-56.1	209.7	9.5	4.7	8.2	321.2	321.4	0.0	1.0	24.9	16.
99.9	99.9	99.9	475.0	-11.1	-58.2	218.2	10.1	5.7	8.4	321.8	321.9	0.0	1.0	25.7	16.
99.9	99.9	99.9	450.0	-15.9	-51.4	218.2	13.1	7.3	10.8	323.2	323.5	0.1	2.9	26.7	17.
99.9	99.9	99.9	425.0	-23.2	-53.1	209.9	9.7	4.9	6.5	323.1	323.3	0.1	3.4	27.8	18.
99.9	99.9	99.9	400.0	-23.1	-54.4	201.1	11.8	4.3	11.0	325.0	325.2	0.1	3.0	28.5	18.
99.9	99.9	99.9	375.0	-27.0	-56.3	203.1	9.9	3.9	9.1	325.9	326.1	0.0	4.3	29.4	18.
99.9	99.9	99.9	350.0	-30.2	-59.0	217.5	14.8	9.0	11.8	325.1	328.2	0.0	4.0	30.6	18.
99.9	99.9	99.9	325.0	-34.3	-67.4	222.2	17.7	11.9	13.1	329.4	324.5	0.0	5.1	31.8	19.
99.9	99.9	99.9	300.0	-37.0	-67.7	225.9	15.1	10.8	10.5	330.4	324.5	0.0	99.9	31.8	19.
99.9	99.9	99.9	275.0	-44.3	-61.3	225.9	99.9	99.9	99.9	331.1	999.9	99.9	999.9	33.3	20.
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9
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	999.9

\* 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. 353  
OKLA JWA CITY, OKLAHOMA

9 MAY 1979  
1605 GMT

160 15. 0

TIME	CHPT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT Y	E POT T	WRATO	RM	RANGE	AZ
MIN		FT	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/KG	PCT	KM	DEG
00	11.6	392.0	977.6	20.6	16.2	160.0	7.7	-2.6	7.2	227.3	329.5	12.2	75.0	0.0	0
01	9.9	360.0	977.6	22.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	9.9	50.0	975.0	22.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	11.4	477.0	975.0	22.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	11.7	707.0	975.0	22.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05	16.2	482.0	975.0	22.9	19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06	14.6	1132.0	975.0	18.6	13.2	299.3	47.7	99.9	99.9	229.0	328.3	11.7	91.0	999.0	99.9
07	14.6	1677.0	975.0	18.6	13.2	299.3	23.6	11.2	20.7	331.2	311.6	11.3	92.3	4.2	7
08	21.5	1677.0	975.0	18.6	13.2	299.3	13.2	17.2	17.2	333.2	333.6	11.2	92.2	5.2	13
09	20.7	1691.0	975.0	18.6	13.2	299.3	18.8	8.3	16.7	305.4	333.0	8.8	72.8	6.4	19
10	21.5	1691.0	975.0	18.6	13.2	299.3	17.5	4.8	16.8	312.4	322.9	3.5	21.7	7.4	18
11	21.5	2211.0	975.0	17.3	-5.0	196.1	19.5	5.1	19.9	315.7	317.7	0.6	3.6	7.4	19
12	11.1	2692.8	975.0	17.6	-26.5	193.6	18.2	4.3	17.7	315.6	319.4	1.0	6.3	9.5	17
13	11.1	2692.8	975.0	17.6	-26.5	193.6	18.2	4.3	17.7	315.6	319.4	1.0	6.3	9.5	17
14	11.1	3273.6	975.0	17.6	-23.7	193.6	17.9	5.7	17.0	316.8	314.5	0.8	6.1	10.6	17
15	11.1	3273.6	975.0	17.6	-23.7	193.6	17.9	5.7	17.0	316.8	314.5	0.8	6.1	10.6	17
16	11.1	3854.4	975.0	17.6	-19.7	205.0	16.7	7.1	15.1	317.5	314.2	3.7	1.6	11.7	17
17	11.1	3854.4	975.0	17.6	-19.7	205.0	16.7	7.1	15.1	317.5	314.2	3.7	1.6	11.7	17
18	11.1	4435.2	975.0	17.6	-15.7	226.3	15.5	6.8	13.9	317.5	317.9	0.1	1.0	13.0	18
19	11.1	4435.2	975.0	17.6	-15.7	226.3	15.5	6.8	13.9	317.5	317.9	0.1	1.0	13.0	18
20	11.1	5016.0	975.0	17.6	-11.7	233.1	16.7	6.8	15.5	319.0	314.6	0.2	2.0	14.1	19
21	11.1	5016.0	975.0	17.6	-11.7	233.1	16.7	6.8	15.5	319.0	314.6	0.2	2.0	14.1	19
22	11.1	5596.8	975.0	17.6	-7.6	240.0	20.2	5.9	19.3	318.0	319.9	0.4	5.2	15.4	17
23	11.1	5596.8	975.0	17.6	-7.6	240.0	20.2	5.9	19.3	318.0	319.9	0.4	5.2	15.4	17
24	11.1	6177.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
25	11.1	6177.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
26	11.1	6758.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
27	11.1	6758.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
28	11.1	7339.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
29	11.1	7339.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
30	11.1	7920.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
31	11.1	7920.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
32	11.1	8500.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
33	11.1	8500.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
34	11.1	9081.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
35	11.1	9081.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
36	11.1	9662.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
37	11.1	9662.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
38	11.1	10243.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
39	11.1	10243.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
40	11.1	10824.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
41	11.1	10824.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
42	11.1	11404.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
43	11.1	11404.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
44	11.1	11985.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
45	11.1	11985.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
46	11.1	12566.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
47	11.1	12566.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
48	11.1	13147.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
49	11.1	13147.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
50	11.1	13728.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
51	11.1	13728.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
52	11.1	14308.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
53	11.1	14308.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
54	11.1	14889.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
55	11.1	14889.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
56	11.1	15470.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
57	11.1	15470.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
58	11.1	16051.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
59	11.1	16051.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
60	11.1	16632.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
61	11.1	16632.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
62	11.1	17212.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
63	11.1	17212.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
64	11.1	17793.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
65	11.1	17793.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
66	11.1	18374.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
67	11.1	18374.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
68	11.1	18955.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
69	11.1	18955.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
70	11.1	19536.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
71	11.1	19536.0	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
72	11.1	20116.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
73	11.1	20116.8	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
74	11.1	20697.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
75	11.1	20697.6	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
76	11.1	21278.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
77	11.1	21278.4	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
78	11.1	21859.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
79	11.1	21859.2	975.0	17.6	-3.6	197.0	20.6	5.9	20.0	319.5	326.6	0.3	5.8	16.9	19
80	11.1	22440.0	975.0	17.6	-3.6										

STATION NO. 353  
OKLAHOMA CITY, OKLAHOMA

9 MAY 1979  
1705 GMT

158 13. 0

TIME MIN	CNTCT	HEIGHT GMS	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MK RTO GM/KG	RM PCT	SENSE KQ	AZ DG
0.0	10.6	392.0	958.7	23.3	17.3	140.0	10.3	-6.6	7.9	300.1	334.9	13.1	69.0	0.0	0.
94.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
0.2	11.5	471.5	950.0	21.5	15.3	99.9	99.9	99.9	99.9	299.1	330.4	11.8	68.5	99.9	99.9
1.3	13.9	702.6	925.0	19.8	15.5	99.9	99.9	97.9	99.9	299.5	331.8	12.1	76.5	99.9	99.9
2.4	16.3	920.0	900.0	17.8	15.3	183.7	15.9	1.0	15.9	299.9	332.6	12.3	65.3	2.4	351.
3.5	18.7	1183.5	875.0	16.3	14.1	199.0	17.3	5.6	16.3	302.8	334.4	11.7	76.3	3.5	358.
4.4	21.2	1423.1	850.0	17.1	12.7	216.1	15.2	9.0	12.3	304.1	334.3	11.1	76.2	4.2	3.
5.4	23.8	1683.2	825.0	15.0	12.5	224.6	12.9	9.1	9.2	304.5	335.0	11.2	65.0	5.0	10.
6.4	26.3	1943.3	800.0	18.5	1.5	244.0	12.5	5.1	11.4	310.9	336.5	9.4	32.3	6.4	14.
7.4	28.7	2203.4	775.0	19.0	-1.9	194.9	13.8	6.1	15.2	314.3	337.3	8.3	28.4	7.4	14.
8.3	31.6	2463.5	750.0	16.7	-2.5	195.6	18.1	4.9	17.6	314.7	337.4	8.2	26.7	8.3	14.
9.2	34.3	2723.6	725.0	14.1	-2.0	197.5	19.7	5.9	18.8	315.0	337.9	8.3	30.8	9.4	14.
10.3	37.0	3011.1	700.0	12.5	-7.2	196.2	21.3	5.9	20.2	316.3	338.1	8.2	26.7	10.3	15.
11.4	39.9	3343.8	675.0	10.5	-12.8	192.2	19.6	4.1	19.1	317.4	338.1	8.1	16.0	11.4	15.
12.7	42.7	3647.1	650.0	7.7	-15.2	190.6	19.1	3.5	18.7	317.7	338.4	8.0	17.9	12.5	14.
13.4	45.6	4311.1	625.0	4.4	-17.7	193.5	18.7	4.4	18.2	317.5	338.4	8.5	19.1	13.9	14.
15.0	49.6	4343.5	600.0	1.4	-20.1	196.8	16.8	4.9	16.1	317.8	338.0	8.3	18.3	15.1	14.
16.2	51.6	4543.3	575.0	-1.9	-21.3	197.6	17.4	5.2	16.6	317.8	338.0	8.2	23.9	16.3	14.
17.2	54.5	5283.7	550.0	-4.3	-26.1	200.7	17.0	6.0	16.0	319.0	331.8	8.6	16.2	17.4	15.
18.5	57.9	5403.5	525.0	-6.9	-29.9	150.9	18.4	5.9	17.4	320.2	332.3	8.6	13.9	18.6	15.
19.4	61.2	5784.7	500.0	-7.1	-31.5	195.8	17.2	4.7	16.5	322.0	333.9	8.5	14.1	19.9	15.
21.0	64.4	6179.3	475.0	-12.3	-34.3	191.8	14.8	3.0	14.5	322.7	334.3	8.4	14.6	21.2	15.
22.4	67.9	6590.1	450.0	-15.4	-36.3	194.4	18.0	4.6	15.5	323.9	335.2	8.4	14.6	22.5	15.
23.8	71.4	7014.4	425.0	-19.0	-37.6	207.0	18.7	7.6	14.9	324.6	335.8	8.3	17.7	24.1	15.
25.8	75.0	7465.0	400.0	-23.3	-41.0	215.6	17.2	10.0	14.0	324.7	335.7	8.3	17.7	25.6	16.
27.6	74.9	7934.6	375.0	-27.0	-44.0	216.5	18.1	10.8	14.6	325.9	336.6	8.2	15.0	27.6	16.
29.5	82.9	8429.6	350.0	-29.7	-46.2	217.1	21.1	12.7	16.8	328.7	339.3	8.2	18.2	29.6	19.
31.5	84.8	8953.0	325.0	-33.1	-49.6	218.3	25.8	16.0	20.2	331.1	331.5	8.1	17.1	32.3	21.
33.4	81.2	9512.1	300.0	-37.9	-49.9	224.4	22.4	15.7	16.0	332.0	339.9	99.9	99.9	34.9	22.
35.2	95.6	10105.3	275.0	-43.2	-49.9	224.5	23.9	15.8	17.1	332.7	339.9	99.9	99.9	37.1	24.
37.4	107.4	10739.2	250.0	-48.6	-49.9	221.7	26.1	17.4	19.5	333.8	339.9	99.9	99.9	40.3	25.
39.6	105.4	11425.0	225.0	-53.3	-49.9	225.0	27.6	19.6	19.5	336.9	339.9	99.9	99.9	43.7	27.
42.0	113.8	12173.2	200.0	-59.5	-49.9	223.5	28.1	19.4	20.4	338.6	339.9	99.9	99.9	47.5	28.
44.7	116.5	13011.9	175.0	-62.8	-49.9	223.9	29.7	22.9	19.3	346.3	339.9	99.9	99.9	51.9	30.
48.0	122.9	13944.0	150.0	-59.3	-49.9	220.9	27.4	17.9	20.7	367.9	339.9	99.9	99.9	57.0	31.
51.7	129.5	15107.0	125.0	-60.8	-49.9	218.2	23.3	14.4	18.3	384.8	339.9	99.9	99.9	63.0	32.
56.2	137.0	16483.2	100.0	-54.8	-49.9	224.6	23.1	16.2	16.5	412.1	339.9	99.9	99.9	69.1	33.
61.5	145.3	17271.8	75.0	-61.0	-49.9	201.5	20.4	7.5	19.0	445.1	339.9	99.9	99.9	76.7	34.
64.6	154.0	17924.5	50.0	-56.0	-49.9	166.3	7.6	-1.8	7.4	511.5	339.9	99.9	99.9	80.5	35.
80.1	163.0	25714.5	25.0	-48.1	-49.9	99.9	99.9	99.9	99.9	666.4	339.9	99.9	99.9	78.7	32.

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

STATION NO. 35J  
OKLAHOMA CITY, OKLAHOMA  
9 MAY 1979  
2000 GMT

105 182. 0

TIME MIN	CNCT	HEIGHT FPA	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEL	U COMP M/SEC	V COMP M/SEC	PWT Y DG K	E POT F DG K	MR RTO GM/KG	RM PCT	RAN/E K4	AZ DG
0.0	10.6	392.3	958.0	25.6	18.5	160.0	10.3	-3.5	9.7	322.4	340.5	18.2	65.0	0.0	0.
0.5	9.9	93.0	1333.0	23.9	93.9	99.9	99.9	99.9	99.9	30.2	999.9	99.9	999.9	99.9	99.9
1.0	9.9	93.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
1.5	11.6	655.0	472.3	28.9	17.6	171.2	12.6	-1.9	12.5	322.4	335.7	13.5	64.1	0.4	348.
2.0	11.9	655.0	275.0	22.4	16.5	170.8	13.2	-2.1	13.0	322.4	336.9	12.9	62.0	0.9	350.
2.5	16.2	937.3	243.0	27.3	16.0	169.7	18.2	-2.5	13.9	322.4	337.0	12.8	72.4	1.6	353.
3.0	14.5	1167.3	975.0	17.9	15.2	173.7	13.6	-1.5	13.0	322.4	337.6	13.1	69.1	2.3	352.
3.5	21.0	1424.9	472.0	18.0	16.3	180.4	12.9	0.1	12.7	322.9	336.8	12.6	92.7	3.1	352.
4.0	23.5	1527.8	925.0	18.2	13.2	186.1	13.7	1.5	13.7	333.6	335.2	11.6	91.5	3.6	354.
4.5	27.0	1742.4	472.0	13.0	12.3	188.4	11.2	2.8	13.9	335.1	335.6	11.2	92.7	4.4	356.
5.0	24.6	2113.7	775.0	11.3	6.7	188.0	11.1	0.8	11.1	335.9	328.8	8.2	78.8	4.9	359.
5.5	31.2	289.1	750.0	15.7	-16.7	188.7	15.4	2.3	15.2	315.7	317.9	0.6	6.4	6.9	1.
6.0	33.9	2772.0	723.0	18.8	-25.9	199.8	18.3	5.9	17.3	315.7	317.9	0.6	6.4	8.1	0.
6.5	30.7	3274.0	732.0	17.7	-27.2	197.2	20.4	6.0	19.5	316.5	318.5	0.6	6.4	9.5	6.
7.0	32.8	3371.2	735.0	17.1	-28.3	196.3	20.3	5.7	19.5	317.0	319.6	0.8	6.9	9.5	6.
7.5	32.8	3512.9	722.0	7.4	-26.7	196.7	21.3	6.1	20.4	317.3	319.5	0.6	6.6	10.9	7.
8.0	42.3	6233.7	625.0	6.6	-23.3	197.5	22.2	6.7	21.2	317.8	320.9	0.9	11.0	12.5	9.
8.5	41.9	6336.1	633.0	1.5	-28.5	198.0	21.9	6.8	20.8	317.8	317.9	0.6	8.5	14.1	10.
9.0	51.0	6278.4	675.0	-1.7	-32.5	198.1	21.6	5.6	20.9	318.0	319.8	0.5	9.9	15.6	10.
9.5	58.1	5226.3	553.0	-4.9	-32.6	146.9	22.7	6.6	21.7	318.3	319.9	0.4	9.1	17.3	11.
10.0	57.3	5330.2	525.0	-7.2	-38.3	230.7	21.5	7.6	20.1	319.7	323.7	0.3	6.2	19.1	12.
10.5	62.5	5795.9	533.0	-9.3	-44.5	201.8	18.0	6.7	18.7	321.7	322.3	0.1	3.8	20.7	12.
11.0	63.9	6163.1	475.0	-12.4	-46.0	200.6	17.4	6.1	18.3	322.6	323.1	0.1	4.1	22.3	13.
11.5	67.3	6573.7	451.0	-17.1	-47.3	177.6	16.4	5.6	17.6	323.2	324.7	0.1	4.4	23.9	13.
12.0	73.9	7022.7	425.0	-19.5	-49.1	205.9	20.6	9.0	18.5	325.2	325.6	0.1	4.8	26.1	14.
12.5	74.6	7651.6	403.0	-22.3	-51.2	215.1	20.6	11.8	18.8	326.0	326.4	0.1	5.2	28.1	15.
13.0	74.2	7222.5	371.0	-25.6	-53.2	214.0	22.8	14.4	19.7	327.7	329.8	0.1	5.5	31.2	17.
13.5	82.1	4817.1	353.0	-29.1	-52.0	223.0	22.1	15.7	18.9	329.5	329.8	0.1	4.8	32.3	19.
14.0	86.2	5346.7	325.0	-33.1	-54.9	225.3	21.5	19.6	18.4	331.0	331.3	0.1	9.2	34.8	20.
14.5	93.4	9522.4	322.0	-37.7	-57.3	227.7	25.3	18.7	17.1	332.3	332.5	0.1	10.8	37.8	23.
15.0	94.9	10795.4	275.0	-42.9	-54.9	245.7	25.1	17.9	17.5	333.1	997.9	99.9	997.9	40.9	25.
15.5	93.0	13711.6	250.0	-47.9	94.9	226.8	20.5	20.7	19.5	334.8	999.9	99.9	999.9	44.1	26.
16.0	104.6	11818.3	225.0	-51.6	92.9	230.2	21.3	21.0	17.5	336.3	999.9	99.9	999.9	48.2	28.
16.5	113.0	12167.5	203.0	-58.6	93.1	928.3	99.9	99.9	99.9	339.4	924.9	99.9	994.9	52.1	30.
17.0	99.7	99.7	175.0	79.9	94.3	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
17.5	93.9	99.7	150.0	77.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
18.0	94.9	99.7	125.0	98.9	93.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
18.5	99.9	99.7	104.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
19.0	99.9	99.7	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
19.5	99.9	99.7	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9
20.0	99.9	99.7	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	99.9

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

STATION NO. 353  
OKLAHOMA CITY, OKLAHOMA  
9 MAY 1979  
2300 GMT

TIME MIN	CHTCF	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP K/SEC	V COMP M/SEC	POT T DG K	E PUT Y DG K	MX ATO GM/KG	RM PCT	RANGE KM	AZ DG
2.0	10.8	392.0	957.0	25.0	17.7	150.0	9.3	-4.7	0.1	301.9	330.1	13.5	64.0	0.0	0.
9.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	11.5	456.9	950.0	24.9	18.0	143.0	11.8	-7.0	9.5	302.4	339.6	13.8	65.8	0.5	341.
1.1	11.9	600.3	925.0	22.5	17.2	159.9	14.0	-9.9	12.6	302.3	338.6	13.5	72.1	1.9	335.
2.1	16.2	924.6	900.0	20.5	16.4	165.7	16.6	-4.1	16.1	302.6	339.1	13.2	77.7	1.9	338.
3.1	16.7	1171.7	875.0	18.0	15.6	169.4	16.5	-3.0	16.3	302.5	337.2	12.7	86.3	2.9	342.
4.1	21.1	1419.7	850.0	16.1	14.8	173.0	16.2	-2.0	16.1	303.0	337.0	12.6	92.1	3.9	346.
5.3	23.7	1673.9	825.0	14.0	12.9	177.6	15.2	-0.6	15.2	304.0	335.2	11.4	99.6	5.0	347.
6.4	24.2	1933.9	800.0	12.5	11.1	176.7	13.9	-0.3	13.9	304.5	333.2	10.5	91.4	5.9	348.
7.2	24.8	2200.5	775.0	10.9	9.7	176.8	15.7	-0.1	15.7	305.5	332.6	9.8	92.3	6.6	350.
8.1	11.3	2474.1	750.0	17.7	-39.1	187.4	17.6	2.2	17.4	315.0	316.4	0.2	1.0	7.7	352.
9.3	34.0	2766.3	725.0	16.5	-39.8	194.1	18.7	4.6	18.2	317.6	318.2	0.2	1.0	8.7	354.
10.5	34.7	3042.9	700.0	14.0	-41.3	197.3	20.1	6.0	19.1	318.0	318.5	0.1	1.0	10.0	357.
11.5	37.4	3367.2	675.0	11.3	-43.0	197.9	20.0	6.1	19.0	318.3	318.8	0.1	1.0	11.3	359.
12.7	42.3	3680.1	650.0	8.4	-44.0	202.1	19.0	7.2	17.6	318.5	318.9	0.1	1.0	12.6	2.
14.2	45.1	4001.7	625.0	5.3	-46.7	206.4	19.5	8.7	17.5	318.5	318.6	0.1	1.0	13.9	4.
15.3	43.1	4332.2	600.0	2.1	-48.6	210.7	19.6	10.0	16.9	318.6	318.7	0.1	1.0	15.2	6.
16.6	51.1	4674.2	575.0	-1.2	-50.7	215.8	20.4	10.5	17.5	318.6	318.8	0.1	1.0	16.7	9.
17.7	54.1	5026.5	550.0	-4.4	-52.7	209.6	22.5	12.1	20.1	318.9	319.1	0.1	1.0	18.2	10.
19.3	57.3	5390.9	525.0	-7.3	-54.5	203.4	24.2	9.6	22.2	319.7	319.9	0.0	1.0	20.2	12.
20.6	61.5	5770.3	500.0	-9.1	-57.7	203.4	19.6	7.8	18.0	322.0	322.2	0.0	1.0	22.0	13.
22.3	63.9	6160.3	475.0	-12.2	-57.6	203.7	20.0	6.0	18.3	322.9	323.1	0.0	1.0	23.7	14.
24.0	67.1	6575.9	450.0	-14.7	-57.3	207.3	22.5	10.3	20.0	324.8	324.9	0.6	22.6	25.9	14.
25.9	73.7	7005.3	425.0	-19.3	-54.3	220.5	21.8	14.2	16.6	325.5	327.2	0.5	22.9	28.1	18.
27.5	74.3	7455.8	400.0	-21.4	-57.9	225.3	23.3	16.6	16.4	327.2	329.6	0.4	23.0	30.3	18.
29.3	74.0	7924.1	375.0	-25.1	-59.2	228.0	25.3	18.9	16.9	328.4	329.6	0.3	25.2	32.6	20.
31.1	81.9	8425.2	350.0	-28.4	-62.1	227.7	23.7	17.5	15.9	330.4	331.4	0.3	25.3	34.9	22.
33.1	85.8	8952.9	325.0	-32.7	-65.8	228.2	24.5	16.3	16.3	331.6	332.3	0.2	25.6	37.0	24.
35.3	93.0	9511.7	300.0	-37.2	-69.6	231.5	26.1	20.4	16.3	332.9	333.4	0.1	25.8	40.0	24.
37.5	94.4	10106.7	275.0	-42.2	-65.3	236.3	22.6	18.8	12.5	334.1	334.1	99.9	99.9	43.0	28.
40.1	97.0	10747.3	250.0	-47.7	-69.9	240.6	23.5	20.5	11.6	335.2	335.9	99.9	99.9	46.0	30.
42.9	101.9	11430.4	225.0	-53.0	-69.9	239.4	24.2	20.0	12.3	337.3	337.3	99.9	99.9	50.1	33.
46.1	104.0	12180.5	200.0	-58.2	-69.3	244.0	26.0	23.4	11.4	340.6	340.6	99.9	99.9	54.4	35.
49.3	114.6	13012.6	175.0	-62.4	-69.9	244.7	29.7	26.8	12.7	347.0	347.0	99.9	99.9	59.1	38.
53.0	124.8	13970.2	150.0	-69.9	-69.9	229.6	30.0	22.9	19.5	367.0	367.0	99.9	99.9	65.7	39.
57.4	127.5	15136.9	125.0	-62.1	-69.9	224.4	29.4	20.6	21.0	402.5	402.5	99.9	99.9	73.3	40.
62.4	135.0	16480.2	100.0	-62.4	-69.9	221.0	21.5	14.1	16.2	407.2	407.2	99.9	99.9	80.7	41.
68.9	143.3	18251.0	75.0	-63.7	-69.9	178.6	18.5	-0.5	18.5	439.3	439.3	99.9	99.9	88.6	39.
78.1	153.0	20949.7	50.0	-57.0	-69.9	112.2	7.0	-6.5	2.6	508.2	508.2	99.9	99.9	90.0	38.
91.6	163.0	25947.7	25.0	-66.8	-69.9	187.7	6.0	1.4	-6.7	650.2	650.2	99.9	99.9	87.0	38.

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

STATION NO. 353  
 OKLAHOMA CITY, OKLAHOMA  
 10 MAY 201 GMT 1979

148 16. 0

TIME MIN	CNTCT	HEIGHT GDM	PRES MB	TEMP CG C	DEW PT CG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V LOMP M/SEC	POT T CG K	E POT T CG F	WX RPTD GM/KG	RH PCT	RANGE KM	AZ DEG
100	1301	39200	95700	2303	1904	13300	042	-603	503	30002	33706	1001	7000	000	000
101	4209	39200	103000	2409	1707	9909	9909	9909	9909	9909	9909	9909	9909	9909	9909
102	4209	39200	97500	2409	9909	9909	9909	9909	9909	9909	9909	9909	9909	9909	9909
103	1707	45000	97500	2302	1904	9909	9909	9909	9909	30308	33706	1001	7000	000	000
104	1707	64000	92500	2102	1704	9909	9909	9909	9909	33100	33706	1001	7000	000	000
105	1503	92000	92500	1909	1702	9909	9909	9909	9909	33009	33706	1001	7000	000	000
106	1707	115000	97500	1600	1600	2402	-709	2209	2209	33100	33706	1001	7000	000	000
107	1707	101500	97500	1501	1601	1607	2209	-005	2209	30200	33706	1001	7000	000	000
108	2201	105000	97500	1305	1203	17700	2009	-101	2309	30200	33706	1001	7000	000	000
109	2405	102000	97500	1201	000	1906	1906	102	1906	30800	32908	900	8000	000	000
110	2405	212000	97500	1901	-1909	1906	1906	209	1906	31303	31109	002	100	700	100
111	2405	207000	70000	1706	-1702	19204	1907	402	1907	31507	31603	302	100	800	100
112	3109	207000	70000	1905	-200	1901	2009	307	2009	31503	30409	301	2109	900	3500
113	3109	130000	70000	1202	-000	19001	2101	307	2009	31600	32406	200	2200	1100	3000
114	1009	130000	70000	1202	-000	19001	2101	307	2009	31600	32406	200	2200	1100	3000
115	1107	3000	67500	1301	-1306	19004	2002	500	1906	31700	32409	205	2201	1200	3500
116	1107	3000	67500	1204	-1205	19007	1905	606	1903	31703	32403	202	2202	1300	3500
117	1009	4000	67500	000	-1009	2019	2005	706	1900	31704	32303	100	2206	1000	100
118	1009	43000	67500	1002	-1009	20505	1904	903	1705	31705	32205	106	2206	1000	100
119	0000	60000	57500	-200	-2005	20000	1708	904	1507	31707	32109	103	2207	1700	000
120	0000	50000	57500	-501	-2303	20005	1902	904	1607	31801	32107	101	2209	1000	000
121	0000	50000	57500	-504	-2502	21102	2000	1005	1700	32008	32309	009	2307	1900	700
122	0000	50000	57500	-1106	-2904	20707	2501	1107	1800	32106	32602	008	2309	2000	900
123	0000	60000	47500	-1502	-3209	21204	2307	1207	2202	32307	32601	007	2101	2200	1100
124	0000	60000	47500	-1809	-0200	21706	2105	1301	1700	32407	32608	000	2103	2000	1300
125	0000	60000	47500	-2200	-0800	21705	2404	1008	1904	32604	32604	000	100	2000	1000
126	0000	60000	47500	-2406	-0505	22205	2504	1702	1806	32902	32903	000	100	3000	1800
127	0000	60000	47500	-2401	-0906	22903	2501	1900	1603	32906	32906	000	100	3000	2000
128	0000	60000	47500	-3207	-0402	22809	2405	1404	1601	33106	33107	000	206	3000	2300
129	0000	60000	47500	-3509	-0001	22501	2306	1607	1607	33106	33304	000	107	3000	2000
130	0000	60000	47500	-0200	0000	22507	2500	1709	1704	33005	00000	000	000	000	000
131	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
132	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
133	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
134	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
135	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
136	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
137	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
138	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
139	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
140	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
141	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
142	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
143	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
144	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
145	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
146	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
147	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
148	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
149	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
150	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
151	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
152	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
153	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
154	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
155	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
156	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
157	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
158	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
159	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000
160	0000	60000	47500	-0200	0000	22707	2406	1802	1605	33500	00000	000	000	000	000

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

STATION NO. 353  
OKLAHOMA CITY, OKLAHOMA  
10 MAY 505 GMT 1979

TIME MIN	CMCT	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	RM PCT	RANGE KM	AZ DG
3.0	10.8	322.0	957.0	22.8	18.3	140.0	7.2	-8.6	5.5	299.7	336.9	14.0	76.0	0.0	0.
92.9	92.9	99.9	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.0	94.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	11.5	856.3	950.0	22.6	18.6	158.6	18.1	-8.6	16.8	300.1	338.2	14.4	78.2	0.4	340.
0.9	11.8	899.5	925.0	20.8	18.6	168.6	18.6	-8.2	17.6	300.6	339.8	14.8	87.5	0.9	339.
1.4	16.2	925.5	903.0	19.6	17.4	163.0	22.0	-8.4	21.0	300.6	338.1	14.1	93.2	1.0	341.
2.9	18.6	1167.5	875.0	16.8	15.8	160.9	29.7	-8.8	25.0	331.3	339.2	13.1	93.8	3.0	342.
3.3	21.1	1414.9	850.0	15.1	14.1	173.3	28.3	-3.3	28.1	332.0	334.4	12.0	93.6	4.2	344.
4.2	23.6	1668.0	825.0	13.2	12.0	178.4	27.0	-8.0	27.0	302.6	331.8	10.7	91.9	5.7	347.
5.2	25.1	1327.0	803.0	11.8	10.7	195.3	22.0	2.0	21.9	333.7	331.6	10.2	93.3	7.2	350.
6.1	25.7	2192.1	775.0	9.3	8.7	187.2	21.7	2.7	21.5	303.8	318.7	5.2	95.2	8.2	353.
7.0	31.3	2468.2	750.0	16.5	-34.9	196.5	21.5	6.1	20.6	314.5	319.0	0.2	1.0	9.3	359.
7.2	38.0	2755.0	725.0	14.8	-40.3	198.4	22.2	7.0	21.1	315.7	316.2	0.1	1.0	10.8	358.
9.3	36.4	3383.9	703.0	12.6	-42.2	201.2	22.3	8.1	20.8	316.4	316.9	0.1	1.0	12.2	1.
10.5	37.2	3322.8	675.0	9.7	-44.0	208.3	22.9	9.4	20.8	316.5	316.9	0.1	1.0	13.6	3.
11.5	42.3	3663.9	650.0	6.9	-45.7	208.9	23.2	10.5	20.7	316.8	317.2	0.1	1.0	15.0	5.
12.6	48.9	3944.3	625.0	4.4	-47.2	210.2	22.7	11.5	19.7	317.5	317.8	0.1	1.0	16.3	7.
13.7	47.4	4314.6	600.0	1.5	-49.3	200.9	25.2	11.4	22.4	317.9	319.1	0.1	1.0	17.9	9.
14.9	53.7	4654.9	575.0	-1.9	-51.1	207.1	24.4	11.1	21.8	317.8	319.0	0.1	1.0	19.5	11.
15.9	53.7	5034.1	550.0	-4.8	-52.9	208.8	26.5	12.8	23.2	318.5	318.6	0.0	1.0	21.0	12.
17.1	57.9	5373.4	525.0	-6.9	-54.3	216.2	22.4	13.2	18.1	320.2	323.3	0.0	1.0	22.7	14.
17.4	73.2	5749.4	500.0	-9.3	-55.8	220.0	19.7	12.7	15.1	321.8	321.9	0.0	1.0	24.1	15.
17.7	63.3	6163.3	475.0	-12.9	-58.4	218.7	21.3	12.3	16.6	322.0	322.5	0.2	5.1	25.7	17.
21.2	64.6	6552.9	450.0	-15.8	-53.1	219.7	21.0	12.3	17.1	323.4	323.7	0.1	3.4	27.4	18.
22.9	73.3	6931.2	425.0	-18.8	-61.3	210.3	22.4	11.3	19.3	324.9	325.0	0.0	1.0	29.4	19.
23.4	73.6	7330.7	400.0	-21.4	-63.5	209.0	22.0	10.6	19.2	327.2	327.3	0.0	1.0	31.5	20.
27.1	77.2	7702.3	375.0	-25.4	-66.1	212.8	24.5	13.3	20.6	328.3	328.1	0.0	1.0	33.9	20.
27.4	81.2	8000.3	350.0	-28.0	-68.4	993.9	99.9	99.9	99.9	329.8	329.9	0.0	1.0	999.9	999.9
28.9	92.9	94.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
29.9	97.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
31.3	94.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
32.9	94.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
33.2	94.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
34.9	92.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
36.9	92.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
38.9	92.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
40.9	92.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
42.9	92.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
44.9	92.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
46.9	92.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
49.9	92.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

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

STATION NO. 353  
OKLAHOMA CITY, OKLAHOMA  
10 MAY 1979  
005 GMT

95 222 0

TIME	CHPT	HEIGHT	Q-FES	TEMP	DEG PT	DIR	SPD	U COMP	V COMP	DUE T	F D T V	WX RTO	RM	RAINF	AZ
MM		GM	MS	° C	US C	US	M/SEC	M/SEC	M/SEC	SEC	%	MPH	PCT	MM	CG
00	1306	3327	2777	22.9	14.3	150.0	8.2	-4.1	7.1	27.5	331.2	14.6	71.0	0.3	9.
01	940	5000	10000	21.9	32.9	99.9	99.9	99.9	49.9	49.9	99.9	99.9	99.9	99.9	99.9
02	940	4000	9950	49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	1306	4000	4000	21.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	1306	5000	9999	22.7	99.9	9999	9999	99.9	99.9	33.5	99.9	99.9	99.9	99.9	99.9
05	1306	5000	9999	19.1	99.9	9999	9999	99.9	99.9	33.2	9999	99.9	99.9	1.8	35.2
06	1306	10000	9999	11.0	99.9	10000	24.7	3.6	24.3	33.5	9999	99.9	99.9	3.3	35.2
07	1306	10000	9999	19.2	99.9	10000	23.7	4.9	23.1	33.5	9999	99.9	99.9	4.3	2.
08	1306	10000	9999	19.2	99.9	10000	23.0	4.5	21.1	33.2	9999	99.9	99.9	5.4	6.
09	1306	10000	9999	12.3	99.9	10000	23.0	7.2	21.1	33.2	9999	99.9	99.9	6.3	6.
10	1306	10000	9999	12.3	99.9	10000	21.8	8.5	19.3	33.2	9999	99.9	99.9	7.2	9.
11	1306	10000	9999	12.3	99.9	10000	21.8	8.5	19.3	33.2	9999	99.9	99.9	8.1	9.
12	1306	10000	9999	12.3	99.9	10000	19.5	9.6	17.3	31.1	99.9	99.9	99.9	9.3	11.
13	1306	10000	9999	11.0	99.9	10000	15.8	10.1	12.1	31.5	99.9	99.9	99.9	10.3	13.
14	1306	10000	9999	11.0	99.9	10000	15.8	11.3	11.1	31.5	99.9	99.9	99.9	12.7	14.
15	1306	10000	9999	6.2	99.9	10000	16.6	11.9	11.9	31.5	99.9	99.9	99.9	14.5	19.
16	1306	10000	9999	1.9	99.9	10000	21.8	12.9	17.5	31.5	99.9	99.9	99.9	17.9	21.
17	1306	10000	9999	1.1	99.9	10000	22.2	11.1	17.3	31.5	99.9	99.9	99.9	18.8	22.
18	1306	10000	9999	1.9	99.9	10000	23.0	10.4	23.5	31.7	99.9	99.9	99.9	16.3	23.
19	1306	10000	9999	4.9	99.9	10000	22.5	9.9	24.3	31.5	99.9	99.9	99.9	17.7	23.
20	1306	10000	9999	7.4	99.9	10000	22.5	9.9	24.3	31.5	99.9	99.9	99.9	19.4	23.
21	1306	10000	9999	12.2	99.9	10000	23.4	9.9	14.4	32.5	99.9	99.9	99.9	21.1	24.
22	1306	10000	9999	12.3	99.9	10000	23.6	7.6	14.2	32.9	99.9	99.9	99.9	22.9	24.
23	1306	10000	9999	13.5	99.9	10000	19.7	6.6	17.2	32.9	99.9	99.9	99.9	24.9	24.
24	1306	10000	9999	12.6	99.9	10000	22.5	6.2	17.3	32.9	99.9	99.9	99.9	26.9	23.
25	1306	10000	9999	12.6	99.9	10000	22.5	6.2	17.3	32.9	99.9	99.9	99.9	28.9	23.
26	1306	10000	9999	13.4	99.9	10000	24.1	11.6	21.9	31.8	99.9	99.9	99.9	23.1	23.
27	1306	10000	9999	12.7	99.9	10000	24.1	13.6	23.6	31.8	99.9	99.9	99.9	11.5	24.
28	1306	10000	9999	12.7	99.9	10000	24.1	15.9	17.9	31.4	99.9	99.9	99.9	13.9	25.
29	1306	10000	9999	13.1	99.9	10000	26.1	14.2	14.1	31.2	99.9	99.9	99.9	16.9	26.
30	1306	10000	9999	13.5	99.9	10000	26.1	17.0	17.2	31.2	99.9	99.9	99.9	19.9	26.
31	1306	10000	9999	13.5	99.9	10000	26.2	17.0	17.2	31.2	99.9	99.9	99.9	21.9	27.
32	1306	10000	9999	13.5	99.9	10000	24.7	17.2	17.6	31.7	99.9	99.9	99.9	24.9	27.
33	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	26.9	33.
34	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	28.9	33.
35	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	30.9	33.
36	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	32.9	33.
37	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	34.9	33.
38	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	36.9	33.
39	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	38.9	33.
40	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	40.9	33.
41	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	42.9	33.
42	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	44.9	33.
43	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	46.9	33.
44	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	48.9	33.
45	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	50.9	33.
46	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	52.9	33.
47	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	54.9	33.
48	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	56.9	33.
49	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	58.9	33.
50	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	60.9	33.
51	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	62.9	33.
52	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	64.9	33.
53	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	66.9	33.
54	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	68.9	33.
55	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	70.9	33.
56	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	72.9	33.
57	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	74.9	33.
58	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	76.9	33.
59	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	78.9	33.
60	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	80.9	33.
61	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	82.9	33.
62	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	84.9	33.
63	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	86.9	33.
64	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	88.9	33.
65	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	90.9	33.
66	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	92.9	33.
67	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	94.9	33.
68	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	96.9	33.
69	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	98.9	33.
70	1306	10000	9999	13.5	99.9	10000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.9	33.

0 BY SPD) MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TRIP) MEANS TEMPERATURE (M TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG



STATION NO. 353  
OKLAHOMA CITY, OKLAHOMA  
10 MAY 1979  
1100 GMT

TIME MIN	ENTY	HEIGHT LGM	PHES #3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	Y COMP M/SEC	PJT V DG K	E POT F DG K	WZ MID GM/KG	RM PCT	RANGE NM	AZ DG
0-2	17-7	392-3	959-0	21-1	18-9	140-0	5-1	-3-3	3-9	297-8	335-8	335-8	14-5	87-8	0-0	0-
00-9	04-9	94-9	1000-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
01-0	01-6	04-9	075-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
02-2	11-6	075-0	075-0	21-2	19-5	169-9	12-8	-2-2	12-6	298-7	336-8	336-8	15-2	89-9	0-4	327-
03-9	18-1	705-6	925-0	19-7	19-9	179-7	14-9	-0-1	14-9	299-5	339-3	339-3	15-1	95-1	0-7	338-
04-9	16-6	182-3	900-0	18-6	17-4	189-3	17-7	0-3	17-5	300-6	338-1	338-1	14-1	93-8	1-6	356-
05-6	19-2	1185-4	075-0	18-2	18-8	199-0	19-2	0-3	18-2	322-7	335-7	335-7	12-2	80-2	2-6	2-
06-6	21-7	1433-4	050-0	17-1	13-6	208-0	18-6	0-1	16-7	304-1	335-8	335-8	11-6	79-8	3-5	0-
07-6	24-3	1699-2	025-0	15-4	12-5	237-7	18-0	0-4	16-0	304-8	335-3	335-3	11-1	83-0	4-6	12-
08-5	27-7	1949-3	000-0	13-4	11-4	219-9	17-6	0-6	14-6	305-4	335-4	335-4	10-9	90-8	5-6	15-
09-6	27-7	2216-7	775-0	12-1	9-9	219-8	16-9	10-8	13-1	306-8	334-3	334-3	9-9	85-8	6-5	19-
10-5	31-1	2441-6	750-0	10-6	8-2	219-8	16-6	11-7	11-8	309-0	334-4	334-4	9-0	82-2	7-4	22-
11-4	35-7	2771-4	725-0	8-7	7-5	228-0	16-6	13-0	10-8	311-6	329-6	329-6	8-2	63-9	8-2	26-
12-5	37-3	3148-1	700-0	9-2	1-7	230-2	16-9	13-6	13-4	314-3	327-0	327-0	7-4	43-3	10-3	29-
13-6	41-9	3624-9	675-0	7-7	-4-3	229-6	19-2	10-6	13-5	315-3	322-7	322-7	2-4	27-1	11-5	30-
14-7	47-9	4178-7	650-0	5-6	-11-3	218-8	17-3	9-8	14-2	316-1	319-6	319-6	3-8	10-9	12-6	31-
15-8	52-5	4731-3	600-0	3-2	-25-5	218-8	17-2	9-8	16-0	316-7	319-1	319-1	0-7	10-9	14-1	31-
16-9	57-7	5422-4	575-0	-2-3	-26-7	214-4	19-4	10-8	16-4	317-4	320-0	320-0	0-6	13-9	15-6	32-
17-5	57-9	5711-3	550-0	-4-8	-53-1	210-2	20-3	10-2	17-6	318-4	319-8	319-8	0-1	2-2	16-9	32-
18-2	57-3	5778-3	525-0	-6-0	-53-7	211-7	22-2	11-7	18-9	321-3	321-5	321-5	0-0	1-0	18-7	31-
19-2	62-3	5754-5	500-0	-9-5	-38-2	999-9	99-9	99-9	99-9	322-7	323-7	323-7	0-3	6-9	90-9	999-
20-8	65-7	6158-3	475-0	-11-6	-40-1	999-9	99-9	99-9	99-9	323-6	324-5	324-5	0-2	7-3	90-9	999-
21-9	69-7	642-9	450-0	09-9	07-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
22-9	72-9	625-0	425-0	09-9	04-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
23-0	87-9	600-0	400-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
24-3	92-7	571-9	375-0	09-9	04-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
25-3	99-9	549-9	350-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
26-3	99-9	529-9	325-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
27-9	97-9	509-9	300-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
28-3	99-9	484-9	275-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
29-3	99-9	464-9	250-0	09-9	04-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
30-3	99-9	444-9	225-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
31-3	99-9	424-9	200-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
32-3	99-9	404-9	175-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
33-3	99-9	384-9	150-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
34-3	99-9	364-9	125-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
35-3	99-9	344-9	100-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
36-3	99-9	324-9	75-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
37-3	99-9	304-9	50-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
38-3	99-9	284-9	25-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-
39-3	99-9	264-9	00-0	09-9	09-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-

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



STATION NO. 363  
AMARILLO, TEXAS

9 MAY 1979  
1010 GMT

152 12. 0

TIME M/Y	CNTCT	WEIGHT GPM	PHES MB	TEMP DC C	DCP BT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG F	E POT T DG K	HA RIO GR/KG	RM PCT	RANGE K/4	AZ DG
0-0	18-5	1094-0	879-4	15-0	9-4	350-0	0-2	1-1	-0-1	298-9	321-8	6-5	89-6	0-0	0-
0-2	42-9	42-9	1000-0	92-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-7	999
0-4	92-9	92-9	975-0	94-9	99-9	99-9	99-9	70-2	99-9	99-9	99-9	99-9	999-9	999-9	999
0-6	92-9	92-9	950-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	999
0-8	92-9	92-9	925-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	999
0-10	92-9	92-9	900-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	999
0-12	18-9	1134-5	875-0	15-10	99-9	99-9	99-9	99-9	99-9	299-4	999-9	99-9	999-9	999-9	999
0-14	21-4	1381-5	850-0	15-30	99-9	99-9	99-9	99-9	99-9	302-1	999-9	99-9	999-9	999-9	999
0-16	21-9	1034-5	824-0	14-9	6-9	999-9	99-9	99-9	99-9	304-4	323-5	7-0	99-9	999-9	999
0-18	22-4	1325-1	820-0	14-5	1-3	999-9	99-9	99-9	99-9	306-6	323-9	5-3	99-9	999-9	999
0-20	23-9	2102-6	775-0	13-0	-22-2	999-9	99-9	99-9	99-9	307-0	320-1	4-2	99-9	999-9	999
0-22	31-5	2137-2	750-0	10-9	-4-2	225-7	6-1	4-3	4-2	308-4	319-4	3-7	30-3	0-7	59
0-24	34-8	2719-2	725-0	9-7	-5-0	220-6	10-5	6-0	8-0	310-1	320-9	3-0	35-0	1-2	50
0-26	36-8	3209-4	700-0	7-9	-6-1	220-7	13-7	8-9	10-4	311-2	321-6	3-5	36-4	1-9	47
0-28	32-6	3209-4	675-0	6-0	-8-7	222-1	17-2	11-9	12-8	312-4	321-3	2-9	33-0	2-9	00
0-30	42-3	3616-0	650-0	4-6	-12-6	218-5	22-7	12-9	18-7	314-2	321-1	2-2	27-4	4-1	00
0-32	45-1	3936-9	625-0	2-2	-14-8	208-2	23-6	11-3	21-0	315-0	321-1	1-9	27-1	5-3	01
0-34	49-0	4272-4	600-0	-0-6	-16-8	205-5	25-6	11-0	23-1	315-4	320-8	1-7	28-0	7-1	37
0-36	51-3	4601-6	575-0	-2-6	-23-5	202-1	28-7	10-8	26-6	316-9	320-2	1-0	13-2	8-0	30
0-38	54-0	4952-4	550-0	-5-1	-26-6	200-5	32-2	11-3	29-0	318-0	320-7	0-8	18-5	11-0	32
0-40	57-1	5316-0	525-0	-8-1	-22-3	199-9	36-8	10-9	29-0	318-0	322-7	1-2	30-7	13-4	30
0-42	61-3	5693-0	500-0	-11-4	-14-4	201-0	30-4	10-9	28-4	319-2	324-5	1-0	51-1	15-6	28
0-44	63-6	6098-5	475-0	-14-3	-21-6	205-0	31-3	13-2	28-4	320-2	324-9	1-4	53-7	18-0	28
0-46	66-8	6492-3	450-0	-17-0	-25-1	211-4	34-9	16-2	29-8	321-9	323-6	1-1	49-3	20-4	28
0-48	73-1	6923-0	425-0	-18-6	-29-1	215-6	39-6	20-7	28-9	325-2	328-0	0-0	38-0	23-1	28
0-50	77-7	7370-5	400-0	-20-9	-41-8	215-6	33-7	19-6	27-4	327-9	328-8	0-2	13-2	26-0	29
0-52	77-4	7843-9	375-0	-25-1	-46-5	213-3	34-0	18-0	28-4	328-4	329-0	0-2	11-4	29-0	30
0-54	81-3	8100-7	350-0	-29-6	-50-0	210-2	34-9	17-6	30-2	328-9	329-3	0-1	11-6	32-2	30
0-56	85-3	8364-2	325-0	-34-4	-53-1	208-5	33-8	16-1	29-7	329-3	329-6	0-1	12-0	35-0	30
0-58	89-8	8618-5	300-0	-39-0	-59-9	211-9	35-8	12-9	30-4	330-5	329-9	99-9	999-9	39-0	30
0-60	93-0	13032-3	275-0	-43-9	-69-9	215-9	36-2	20-0	27-0	331-7	329-9	99-9	999-9	43-7	30
0-62	93-5	10662-2	250-0	-49-2	-79-9	215-9	39-8	23-4	32-3	333-0	329-9	99-9	999-9	47-0	31
0-64	103-6	11324-6	225-0	-54-9	-89-9	216-2	32-7	19-3	28-4	336-4	329-9	99-9	999-9	52-4	31
0-66	109-8	12064-9	200-0	-61-1	-99-9	217-8	38-5	30-4	30-4	336-1	329-9	99-9	999-9	57-1	32
0-68	114-5	12805-1	175-0	-67-0	-99-9	225-5	40-90	22-6	29-2	339-3	329-9	99-9	999-9	63-0	33
0-70	120-9	13483-0	150-0	-80-2	-99-9	220-6	38-0	22-2	25-8	346-3	329-9	99-9	999-9	71-3	34
0-72	127-6	14093-4	125-0	-81-1	-99-9	216-9	31-70	18-0	23-3	347-3	329-9	99-9	999-9	77-4	34
0-74	135-7	14956-1	100-0	-82-4	-99-9	228-7	22-40	15-8	13-7	407-1	329-9	99-9	999-9	85-3	35
0-76	144-7	16152-5	75-0	-82-3	-99-9	209-0	15-1	6-4	13-7	442-3	329-9	99-9	999-9	90-8	36
0-78	154-5	20721-9	50-0	-85-2	-99-9	137-3	10-5	-7-1	7-7	513-3	329-9	99-9	999-9	94-7	36
0-80	160-9	25226-5	25-0	-88-5	-99-9	99-9	99-9	72-7	99-9	645-5	329-9	99-9	999-9	99-9	37

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 8 DEG

STATION NO. 363  
AMARILLO, TEXAS

9 MAY 1979  
1700 GMT

TIME MIN	CNTCT	MELTMT CMM	QWES MS	TEMP C	DEW PT C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT ; DG %	E POT T DG K	MR BTO GM/KG	RM PCT	RANGE NM	AZ DG
0.1	19.9	172.0	372.0	23.6	11.5	360.0	3.6	0.0	-3.6	304.7	331.0	9.8	56.0	0.8	0.
0.3	49.9	24.4	1222.3	27.3	94.3	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
0.5	49.9	49.9	975.3	27.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
0.7	49.9	49.9	423.3	27.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
0.9	49.9	49.9	423.3	27.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
1.1	49.9	49.9	423.3	27.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
1.3	49.9	49.9	423.3	27.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
1.5	21.2	1390.2	452.3	16.3	8.4	96.6	3.0	-2.9	0.3	336.2	324.0	8.6	64.6	0.3	196.
1.7	21.6	1848.2	925.3	18.9	8.4	96.6	3.0	-2.9	0.3	336.2	324.0	8.6	64.6	0.3	196.
1.9	29.7	177.5	775.3	11.5	-1.4	169.8	9.4	1.4	9.3	328.4	321.6	4.5	35.6	0.4	300.
2.1	31.3	487.7	725.3	12.1	-3.2	194.5	14.9	5.0	14.0	309.7	321.3	3.9	31.5	1.2	8.
2.3	34.9	271.7	725.3	7.9	-6.9	205.3	18.5	7.9	18.0	310.4	321.4	3.7	34.9	2.2	11.
2.5	34.5	321.3	725.3	7.6	-6.2	209.6	21.7	10.7	18.9	310.9	321.2	3.4	36.8	3.1	16.
2.7	41.9	332.3	675.3	6.3	-3.6	210.8	23.6	11.8	20.4	312.4	321.5	3.0	34.6	4.2	20.
2.9	48.8	345.3	622.3	4.3	-3.6	210.8	25.7	12.3	28.9	314.5	322.2	2.8	36.0	5.5	24.
3.1	47.5	427.7	622.3	2.1	-10.9	238.6	25.7	12.4	28.9	316.7	323.2	2.7	37.7	7.1	28.
3.3	47.5	601.7	552.3	-1.4	-15.9	230.9	29.5	11.0	26.0	318.7	324.5	2.5	37.8	9.2	25.
3.5	33.9	497.7	552.3	-4.4	-15.7	200.0	31.2	10.7	29.1	319.3	325.8	2.0	34.9	13.6	23.
3.7	40.5	532.7	525.3	-7.1	-15.7	200.0	31.9	10.9	30.2	319.3	326.6	2.1	49.2	16.3	23.
3.9	40.6	571.7	532.3	-10.5	-17.3	203.3	31.7	12.6	29.1	320.3	326.6	2.0	57.8	19.9	23.
4.1	42.9	612.7	475.3	-13.9	-20.5	236.2	35.2	15	31.6	320.8	325.9	1.6	57.2	21.7	23.
4.3	45.1	651.5	452.3	-16.1	-25.1	211.3	36.1	18	30.9	323.1	326.7	1.1	45.3	24.9	24.
4.5	42.6	628.2	425.3	-18.1	-31.4	214.7	38.2	17.7	31.4	325.8	328.0	0.6	30.0	28.2	25.
4.7	43.3	734.3	430.3	-20.6	-30.6	213.3	36.4	20.0	30.4	328.3	329.3	0.3	16.3	31.6	26.
4.9	46.7	946.7	375.3	-24.3	-37.3	209.6	36.9	19.3	32.9	329.5	330.0	0.1	10.1	34.9	26.
5.1	43.5	436.7	322.3	-24.6	-39.5	204.4	36.3	17.3	31.9	330.2	330.4	0.1	13.1	38.4	27.
5.3	46.5	433.7	325.3	-24.3	-39.4	202.5	36.19	17.8	31.4	330.7	331.0	0.1	11.1	42.6	27.
5.5	44.5	486.7	332.3	-34.3	-39.9	211.7	41.08	21.6	38.9	331.8	331.0	99.9	99.9	47.3	27.
5.7	47.8	1727.7	277.3	-41.6	-47.7	211.8	36.66	21.4	29.7	333.5	333.5	99.9	99.9	51.7	28.
5.9	47.4	1391.7	225.0	-47.7	-49.7	216.0	41.36	24.3	33.4	335.1	335.1	99.9	99.9	50.3	28.
6.1	47.2	1391.7	225.0	-53.6	-49.9	216.0	37.76	23.3	32.1	336.4	336.4	99.9	99.9	61.9	29.
6.3	47.5	1210.7	233.3	-52.5	-49.2	222.7	36.56	24.8	28.8	338.5	338.5	99.9	99.9	74.5	30.
6.5	47.5	1293.3	150.3	-57.4	-49.0	224.1	44.38	32.8	28.8	341.8	339.9	99.9	99.9	81.9	31.
6.7	47.5	1597.3	150.3	-57.4	-49.0	224.1	33.18	23.0	23.6	370.3	399.9	99.9	99.9	81.9	33.
6.9	47.5	1531.3	125.0	-54.8	-49.9	211.8	35.66	18.2	30.3	392.2	399.9	99.9	99.9	87.6	33.
7.1	47.5	1602.3	100.0	-63.7	-49.9	201.4	25.20	22.2	18.0	404.7	399.9	99.9	99.9	97.6	33.
7.3	47.5	1422.7	75.0	-59.8	-49.9	228.6	14.50	10.9	9.6	407.7	399.9	99.9	99.9	101.8	33.
7.5	47.5	2392.1	52.0	-54.7	-49.9	152.6	11.30	-5.2	10.9	414.8	399.9	99.9	99.9	107.9	32.
7.7	46.0	2531.3	25.0	-48.0	-49.0	99.9	99.9	99.9	99.9	446.5	399.9	99.9	99.9	108.1	31.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE UM TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363  
ANARILLO, TEXAS

9 MAY 1979

154 11. 0

TIME M/Y	CHTY	HEIGHT GPM	PRES WB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DC K	WX RIO GM/KG	EM PCT	RANGE M	AZ DG
0.0	10.7	1098.0	877.4	25.6	9.8	170.0	5.1	-0.9	5.0	310.1	338.9	6.7	37.0	0.0	0.
99.9	9.3	1000.0	877.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	9.9	975.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	9.9	950.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	9.9	925.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	9.9	900.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	19.0	1113.1	875.0	24.3	13.3	162.5	2.6	-0.6	2.5	309.0	339.6	11.1	50.3	0.1	341.
0.8	21.5	1371.2	850.0	22.0	12.2	170.7	3.4	-0.5	3.3	309.2	338.8	10.6	53.8	0.2	342.
1.6	24.1	1621.3	825.0	19.8	10.2	175.2	6.4	-0.5	6.4	309.5	336.4	9.6	50.0	0.4	349.
2.4	25.7	1898.8	800.0	18.4	7.4	187.3	8.9	1.1	8.8	310.8	334.0	8.2	48.7	0.7	353.
3.2	29.3	2165.8	775.0	15.6	5.8	192.5	11.7	2.5	11.4	310.0	332.1	7.5	52.2	1.2	0.
4.2	31.3	2442.9	750.0	13.3	2.7	196.4	12.5	3.5	12.0	311.0	329.0	6.2	48.7	2.0	6.
5.0	34.7	2727.1	725.0	10.7	2.0	181.2	12.5	2.4	12.2	311.2	328.9	6.1	58.6	2.5	8.
5.9	37.4	3018.7	700.0	8.3	2.7	187.7	14.0	1.9	13.9	311.7	331.0	6.7	68.0	3.3	8.
6.6	47.3	3313.0	675.0	5.2	0.6	193.8	15.6	3.7	15.2	311.5	328.7	6.9	72.1	3.9	8.
7.5	43.1	3625.2	650.0	2.5	-0.2	193.9	17.4	4.2	16.9	311.8	328.8	5.8	82.8	4.8	10.
8.6	46.1	3981.3	625.0	-0.3	-1.8	195.7	20.9	5.7	20.1	312.1	327.8	5.4	89.6	6.0	10.
9.6	49.1	4268.7	600.0	-2.9	-3.4	200.3	24.6	8.5	23.0	312.8	323.8	3.7	71.5	7.4	12.
10.8	52.1	4603.5	575.0	-4.0	-10.8	200.7	29.5	10.4	27.6	315.3	321.0	1.8	34.1	9.3	14.
12.1	55.3	4953.4	550.0	-8.0	-10.8	196.9	33.9	9.8	32.4	317.0	323.9	1.9	42.0	11.7	15.
13.4	54.4	5316.6	525.0	-8.0	-10.6	197.0	35.8	10.3	34.2	318.8	324.2	1.7	42.1	14.6	15.
14.7	61.6	5693.6	500.0	-11.2	-19.6	199.7	36.5	12.3	34.4	319.4	324.6	1.6	49.7	17.3	16.
15.9	65.0	6084.6	475.0	-1.7	-29.7	202.6	39.6	15.2	36.6	319.8	324.6	1.5	60.3	19.9	16.
17.2	64.4	6491.7	450.0	-18.1	-22.6	206.6	42.6	19.1	38.1	320.5	325.1	1.4	67.7	23.1	17.
18.8	71.1	6917.0	425.0	-20.2	-28.1	214.5	42.0	23.8	34.6	323.1	326.1	0.9	49.0	27.2	19.
21.0	75.6	7366.0	400.0	-20.8	-41.1	218.6	41.2	25.7	32.2	327.9	328.9	0.3	14.2	32.5	23.
23.0	79.3	7840.4	375.0	-24.0	-49.3	221.6	37.4	28.9	28.0	329.9	330.3	0.1	7.5	37.1	25.
24.8	83.2	8337.6	350.0	-28.1	-52.7	222.4	37.5	25.3	27.7	330.8	331.1	0.1	7.4	40.7	26.
26.4	87.2	8867.0	325.0	-32.3	-57.4	219.9	39.8	25.1	30.0	332.2	332.4	0.0	6.2	44.3	28.
28.1	91.5	9428.1	300.0	-37.3	-59.1	219.1	33.5	21.1	26.0	332.8	333.0	0.0	8.2	48.1	28.
30.1	96.0	10119.4	275.0	-43.1	99.9	220.2	34.8	21.0	26.1	332.9	333.0	0.0	99.9	51.9	29.
32.3	100.6	10554.5	250.0	-43.5	99.9	217.4	38.0	23.1	26.0	332.9	333.0	0.0	99.9	57.0	30.
34.7	105.4	11331.9	225.0	-53.6	99.9	216.4	36.1	21.4	29.1	336.3	336.3	0.0	99.9	61.9	31.
37.2	111.0	12086.7	200.0	-53.6	99.9	219.0	36.8	24.8	30.7	338.3	338.3	0.0	99.9	67.0	31.
40.1	117.0	12909.4	175.0	-66.4	99.9	226.0	48.0	24.5	33.4	340.5	340.5	0.0	99.9	75.8	32.
42.7	123.3	13852.8	150.0	-61.5	99.9	230.5	34.0	20.5	21.9	344.2	344.2	0.0	99.9	81.6	34.
46.8	130.3	15004.5	125.0	-55.8	99.9	222.0	34.0	22.7	25.2	344.0	344.0	0.0	99.9	90.1	35.
51.3	139.3	16402.6	100.0	-61.5	99.9	211.6	33.5	23.3	20.0	409.0	409.0	0.0	99.9	99.9	35.
57.4	147.3	18195.1	75.0	-58.0	99.9	201.7	16.5	6.1	15.3	451.4	451.4	0.0	99.9	103.7	34.
65.0	156.7	20737.2	50.0	-54.4	99.9	187.2	8.4	-4.8	7.0	515.3	515.3	0.0	99.9	110.0	34.
77.7	168.3	25436.7	25.0	-48.7	99.9	99.9	99.9	99.9	99.9	645.2	645.2	0.0	99.9	108.8	32.

\* 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. 343  
AMARILLO, TEXAS

9 MAY 1979  
2300 GMT

TIME MIN	CMCT	HEIGHT LOW	PRF dB	TEMP OC	DEW PT OC	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT 7 DG K	MR RTO GM/KG	PH PCT	RANGE KM	AZ DG
0-0	18-9	1304.3	875.3	22.0	1-5	220.0	10.3	6.6	7.9	313.9	328.4	4.9	17.0	0.0	0
0-9	59-9	97.4	1325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1-0	6-9	59.3	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1-9	93-9	94.3	950.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2-0	94-9	94.3	922.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2-9	94-9	94.3	930.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3-0	14-3	1022.3	875.0	22.3	2-9	212.0	13.1	6.9	11.1	314.2	330.1	5.0	18.4	0.4	33
3-9	21-6	1333.6	830.0	22.7	0-2	216.4	13.6	7.8	11.3	314.1	327.8	4.6	17.7	0.8	33
4-0	23-9	1615.5	775.0	22.2	-3-7	213.7	13.6	7.7	11.5	314.2	327.4	4.6	19.2	1.6	35
4-9	27-6	1491.2	932.9	22.1	-2-2	208.9	14.1	9.9	12.8	314.7	327.0	4.1	19.8	2.3	33
5-0	7-9	2157.1	775.0	19.7	-2-6	202.1	14.2	9.3	13.1	315.0	327.3	4.1	21.9	2.9	31
5-9	3-5	243.7	723.2	17.0	-3-2	200.0	16.3	9.4	15.3	315.1	327.3	4.0	24.9	4.1	28
6-0	3-4	274.7	725.2	14.5	-3-3	201.0	16.9	6.1	15.8	315.4	327.9	4.1	29.0	5.0	26
6-9	7-9	327.7	722.0	11.7	-3-6	200.2	17.6	6.1	16.5	315.5	328.1	4.2	33.9	5.9	24
7-0	3-5	337.4	675.0	4.5	-3-6	192.6	19.9	4.3	19.4	315.2	328.2	4.6	42.3	6.9	26
7-9	4-2	365.4	623.2	5.6	-3-7	189.3	19.5	2.7	19.3	315.3	328.7	4.5	51.3	8.3	22
8-0	6-1	401.3	623.2	2.5	-4-6	189.0	18.9	3.2	18.6	315.3	328.4	4.6	59.7	9.8	23
8-9	4-9	429.5	623.2	-0.5	-5-3	190.3	20.6	3.4	20.5	315.3	328.7	4.6	71.4	11.3	18
9-0	5-9	462.7	575.0	-3.7	-5-1	196.5	20.7	3.3	20.6	315.6	329.3	4.6	92.0	12.7	17
9-9	5-4	437.1	523.2	-6.3	-7-6	189.3	21.6	3.1	21.3	316.6	329.5	3.9	93.6	14.3	16
1-0	5-0	533.1	475.0	-8.5	-9-3	191.2	25.6	4.9	24.9	317.0	327.6	3.6	97.3	16.2	15
1-9	6-1	573.4	533.2	-12.5	-12-3	197.4	27.5	8.2	26.3	317.8	328.6	2.8	86.7	19.6	15
2-0	6-0	639.6	473.2	-15.3	-17-3	202.6	28.0	10.8	25.9	319.0	325.6	2.1	84.9	23.2	16
2-9	6-7	550.3	453.2	-18.1	-19-3	205.3	34.2	10.6	30.9	320.5	326.5	1.9	93.8	25.5	17
3-0	7-1	627.4	475.0	-22.2	-32-5	210.0	34.3	17.2	29.7	320.6	322.6	0.6	33.3	28.8	18
3-9	7-6	737.4	425.2	-25.5	-37-6	216.4	36.3	21.5	29.2	321.0	323.1	0.4	33.7	32.3	19
4-0	7-3	785.2	375.2	-27.6	-39-4	218.3	42.98	28.6	33.7	325.3	326.5	0.3	31.2	35.9	21
4-9	8-1	833.4	330.0	-28.6	-40-4	221.0	42.76	28.0	32.2	328.9	329.5	0.2	17.6	44.9	25
5-0	8-0	845.4	275.2	-33.3	-50-0	224.1	38.98	27.1	27.9	330.8	331.3	0.1	16.7	51.0	27
5-9	8-2	812.4	300.2	-37.8	-56-4	219.8	46.98	29.5	36.5	332.1	332.6	0.1	15.6	56.3	29
6-0	9-5	1232.4	275.0	-42.7	99-9	245.5	38.00	22.0	30.9	333.3	99.9	99.9	99.9	62.3	29
6-9	9-2	1298.1	253.2	-47.8	99-9	217.8	27.38	16.7	21.6	335.1	99.9	99.9	99.9	66.3	30
7-0	1-1	1131.9	222.2	-52.7	79-7	217.2	66.58	24.1	37.1	337.8	99.9	99.9	99.9	72.5	30
7-9	10-4	1232.3	200.0	-58.5	99-9	213.6	41.08	22.7	34.2	340.2	99.9	99.9	99.9	81.0	31
8-0	11-2	1233.6	175.0	-64.3	99-9	220.0	31.56	20.3	24.1	343.8	99.9	99.9	99.9	88.3	31
8-9	12-5	1340.2	150.7	-61.1	99-9	227.6	21.09	15.5	14.1	344.9	99.9	99.9	99.9	92.0	32
9-0	12-3	1496.4	125.2	-63.6	99-9	221.6	25.26	18.7	18.0	345.2	99.9	99.9	99.9	95	32
9-9	13-5	1637.9	103.0	-64.7	99-9	204.6	37.28	18.8	33.2	402.8	99.9	99.9	99.9	104.1	32
0-0	14-0	1819.6	75.2	-71.3	99-9	178.2	20.88	-0.7	20.8	444.5	99.9	99.9	99.9	109.1	32
0-9	15-0	2071.2	53.0	-53.3	99-9	138.6	9.48	-6.2	7.0	517.9	99.9	99.9	99.9	113.9	32
1-0	16-0	2226.6	25.0	-48.9	99-9	99.9	99.9	99.9	99.9	644.8	99.9	99.9	99.9	115.8	31

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

STATION NO. 363  
AMARILLO, TEXAS

10 MAY 1979  
250 GMT

105 32. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MM	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT V DG K	MX RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	18.2	1094.0	876.6	17.2	11.7	350.0	9.3	0.0	-9.3	301.8	328.4	9.9	70.0	0.0	0.
9.0	97.3	99.9	1600.0	94.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.0	97.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.0	99.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.0	99.9	99.9	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.1	14.4	1109.6	875.0	17.08	99.7	358.5	9.9	0.3	-9.9	301.4	999.9	99.9	99.9	0.0	37.
0.9	27.4	1376.3	850.0	15.1	12.3	350.2	10.7	1.8	-10.6	302.0	331.9	11.1	85.4	0.5	175.
1.5	23.3	1609.2	825.0	14.3	11.9	350.3	9.7	0.8	-8.6	303.8	332.9	10.7	85.1	0.8	171.
2.0	25.9	1867.3	800.0	16.1	4.5	288.9	10.5	9.9	-3.6	308.3	327.3	8.7	47.0	1.3	156.
3.5	24.3	2180.2	775.0	16.1	-0.2	281.8	10.6	9.2	4.9	311.4	325.7	4.9	32.2	1.6	136.
6.4	30.8	2418.6	750.0	16.0	-5.5	213.8	13.5	7.5	11.2	314.0	324.3	3.4	22.4	1.6	112.
5.3	33.4	2703.4	725.0	13.9	-7.4	200.0	16.4	5.6	15.4	314.7	323.9	3.0	22.1	1.9	93.
6.2	36.1	2999.9	700.0	11.8	-9.1	196.7	19.4	5.6	18.6	315.5	324.0	2.8	22.3	2.5	66.
7.1	31.8	3102.7	675.0	9.2	-6.0	192.8	21.3	4.7	20.8	316.0	327.0	3.8	33.6	3.3	51.
9.1	41.6	3613.4	650.0	6.0	-3.6	189.3	22.7	3.7	22.4	316.7	329.3	4.5	50.2	4.3	40.
9.1	44.2	3933.4	625.0	2.6	-3.6	189.2	23.4	3.7	23.1	315.4	329.5	4.7	63.8	5.6	32.
17.2	47.0	4262.4	600.0	-0.1	-4.9	191.0	25.3	4.8	24.8	316.0	329.3	4.4	70.0	7.1	27.
11.4	47.9	4601.5	575.0	-3.1	-10.7	194.1	28.2	6.9	27.3	316.3	325.5	3.0	55.9	9.0	24.
12.9	57.8	4952.2	550.0	-5.1	-20.0	202.8	30.6	11.8	28.2	318.1	322.8	1.5	30.7	11.6	23.
14.5	55.8	5318.9	525.0	-6.8	-33.5	213.3	31.6	17.3	26.4	320.3	321.8	0.4	9.5	16.7	24.
14.1	59.9	5695.2	500.0	-8.3	-50.5	214.6	31.8	18.1	26.2	323.0	323.2	0.1	1.7	21.3	29.
20.2	62.0	6092.9	475.0	-10.3	-53.6	205.9	31.7	15.8	26.5	325.2	325.4	0.1	1.4	25.3	29.
27.1	65.3	6505.4	450.0	-13.7	-64.8	201.8	32.5	12.1	30.2	326.0	326.0	0.2	5.2	29.0	28.
23.8	60.7	6733.3	425.0	-16.7	-69.2	198.5	33.3	18.6	31.6	327.5	326.1	0.1	5.7	32.2	27.
25.4	72.1	7390.4	400.0	-20.2	-69.8	201.5	34.2	18.6	31.8	328.7	329.1	0.1	5.1	35.4	27.
27.1	75.7	7865.6	375.0	-24.4	-51.4	201.8	32.9	12.2	30.5	329.3	329.7	0.1	6.1	38.9	28.
24.9	74.4	8462.7	350.0	-29.0	-52.6	200.9	34.7	12.4	32.4	329.7	330.0	0.1	8.1	42.5	26.
37.8	81.3	8487.4	325.0	-33.3	-59.5	207.8	36.1	16.8	32.0	330.8	331.0	0.1	8.6	48.6	26.
36.1	87.3	9487.3	300.0	-36.2	-59.5	208.7	44.6	21.4	39.1	334.8	334.6	0.0	6.9	58.8	26.
37.7	91.5	10045.2	275.0	-41.0	99.9	208.1	37.8	17.7	33.2	335.8	335.8	99.9	99.9	62.9	26.
37.2	96.9	10695.9	250.0	-46.6	99.9	209.3	32.6	18.0	28.5	338.9	338.9	99.9	99.9	65.6	26.
41.8	100.8	11377.1	225.0	-51.0	99.9	197.7	46.0	18.2	44.4	340.4	339.9	99.9	99.9	72.3	26.
64.1	106.0	12132.9	200.0	-57.4	99.9	183.9	40.3	2.7	40.2	341.9	339.9	99.9	99.9	78.0	25.
66.4	111.5	12463.5	175.0	-62.6	99.9	181.4	47.9	1.3	47.9	346.6	339.9	99.9	99.9	84.3	23.
67.3	117.6	13107.7	150.0	-67.4	99.9	198.1	25.6	8.0	24.4	353.9	339.9	99.9	99.9	90.5	22.
53.5	124.3	15005.2	125.0	-64.3	99.9	215.6	24.5	18.2	18.9	378.5	339.9	99.9	99.9	95.8	22.
57.5	132.3	16378.0	100.0	-65.2	99.9	226.1	11.3	23.5	23.5	481.9	339.9	99.9	99.9	100.6	23.
63.1	141.5	18151.9	75.0	-58.8	99.9	195.8	4.7	16.6	16.6	449.7	339.9	99.9	99.9	110.0	23.
71.4	151.0	20703.5	50.0	-60.2	99.9	122.1	7.3	-0.2	3.9	501.5	339.9	99.9	99.9	112.0	22.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	55.5	55.5	99.9	99.9	999.9	97.3

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

10 MAY 1979  
000 GMT

TIME MIN	ENTCY	HEIGHT GPM	PHES MM	TE4P 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	KX RTO GM/KG	RM PCT	RANGE NM	AZ DG
2.0	16.9	1096.0	809.2	7.2	3.9	360.0	7.2	0.0	-7.2	299.4	305.6	5.7	79.0	193	13.0
4.0	5.7	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
6.0	9.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
8.0	9.0	99.9	920.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.0	9.0	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
12.0	9.0	99.9	903.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.0	17.7	1179.0	875.0	5.6	3.4	357.6	10.5	0.4	-10.5	289.6	304.5	5.6	86.1	0.3	176.0
16.0	2.1	1416.0	950.0	3.6	3.1	0.5	10.1	-0.1	-10.1	299.9	304.9	5.7	97.0	0.0	181.0
18.0	2.5	1602.0	825.0	9.7	3.9	333.2	7.4	3.4	-6.6	298.8	315.9	6.2	97.0	1.2	178.0
20.0	2.1	1417.6	800.0	8.7	-2.4	301.5	9.3	7.9	-4.8	300.4	311.6	6.0	85.6	1.4	168.0
22.0	2.5	2172.9	775.0	7.7	-10.4	293.5	13.4	13.4	-3.2	307.1	308.8	2.2	26.3	1.8	152.0
24.0	3.2	2447.0	750.0	6.4	-10.9	268.2	17.7	17.6	1.2	303.6	310.2	2.2	27.8	2.5	132.0
26.0	3.5	2727.2	725.0	6.4	-5.9	241.3	15.9	13.9	7.6	306.5	316.6	3.4	41.3	3.2	117.0
28.0	3.5	3014.7	700.0	5.5	-4.3	212.5	15.7	7.9	12.4	308.6	320.2	6.0	49.2	3.6	103.0
30.0	3.1	3311.1	675.0	3.4	-0.8	194.9	16.7	6.4	17.5	314.5	325.0	5.4	71.9	3.8	90.0
32.0	3.9	3517.0	650.0	1.7	1.4	176.6	23.0	5.8	22.2	310.9	329.8	6.5	97.8	4.3	78.0
34.0	4.9	3727.6	625.0	-1.0	-1.4	158.1	25.5	4.9	25.1	311.3	327.0	5.4	98.3	5.0	63.0
36.0	6.9	4257.5	600.0	-3.4	-6.8	191.9	28.7	5.9	28.1	312.2	323.8	3.9	78.2	6.4	49.0
38.0	6.5	4733.7	575.0	-4.1	-18.2	193.6	30.6	7.2	29.7	315.0	320.0	1.6	32.7	8.2	40.0
40.0	5.6	4982.2	550.0	-7.2	-19.1	200.6	32.2	11.3	30.2	315.5	320.3	1.5	37.3	10.2	35.0
42.0	5.4	5303.0	525.0	-10.2	-18.7	208.2	34.4	15.2	30.9	316.1	321.5	1.7	48.8	12.2	33.0
44.0	5.6	5676.6	500.0	-13.4	-32.5	212.1	36.9	18.6	29.6	316.7	319.0	6.7	23.9	14.7	33.0
46.0	6.9	6066.2	475.0	-14.7	-59.3	219.8	35.3	22.6	27.1	319.9	319.9	0.0	1.0	17.3	33.0
48.0	6.5	6473.9	450.0	-17.0	-60.7	221.1	38.1	25.1	28.7	321.9	322.0	0.0	1.0	20.2	34.0
50.0	6.4	6900.5	425.0	-20.0	-58.9	220.2	40.0	25.8	30.5	323.4	323.5	0.0	1.6	23.3	35.0
52.0	7.0	7349.1	400.0	-21.9	-63.9	220.5	42.6	27.6	32.4	324.6	324.7	0.0	1.0	27.0	36.0
54.0	7.5	7814.8	375.0	-25.6	-66.3	220.6	42.6	27.6	32.4	327.7	327.8	0.0	1.0	30.9	37.0
56.0	7.3	8315.1	350.0	-29.5	-68.9	217.9	40.2	24.7	31.8	328.9	329.0	0.0	1.0	34.6	37.0
58.0	8.2	8941.0	325.0	-33.3	-71.3	215.6	40.8	26.1	36.4	330.8	330.8	0.0	1.0	38.6	37.0
60.0	8.2	9594.3	300.0	-37.7	-74.2	209.9	42.7	20.6	37.4	332.3	332.3	0.0	1.0	42.8	36.0
62.0	9.5	9947.4	275.0	-42.7	-94.9	209.0	46.1	21.7	40.7	333.4	999.9	99.9	99.9	47.1	36.0
64.0	9.4	10429.6	250.0	-47.0	97.9	208.7	41.9	20.1	36.8	336.2	999.9	99.9	99.9	52.2	35.0
66.0	10.4	11114.7	225.0	-51.1	97.7	210.2	47.6	24.0	41.2	337.1	999.9	99.9	99.9	56.1	34.0
68.0	10.0	12365.1	200.0	-59.4	99.9	209.9	43.4	21.6	37.6	338.8	999.9	99.9	99.9	64.8	34.0
70.0	11.6	12952.7	175.0	-63.7	97.9	211.1	40.9	21.1	35.0	999.9	999.9	99.9	99.9	71.6	33.0
72.0	11.7	13920.2	150.0	-66.4	99.9	210.6	35.4	18.0	30.4	355.8	999.9	99.9	99.9	76.0	33.0
74.0	12.9	14948.5	125.0	-63.2	92.9	215.7	36.9	23.5	28.4	999.9	999.9	99.9	99.9	83.7	34.0
76.0	13.0	15331.6	100.0	-61.8	98.9	210.2	25.8	22.5	22.5	999.9	999.9	99.9	99.9	90.8	33.0
78.0	14.1	16135.2	75.0	-57.8	98.9	187.7	14.2	14.9	14.1	431.7	999.9	99.9	99.9	97.0	34.0
80.0	15.5	23698.0	50.0	-55.0	99.9	125.1	7.7	-6.3	4.4	513.9	999.9	99.9	99.9	98.9	33.0
82.0	16.7	25181.7	25.0	-49.1	98.9	99.9	99.9	99.9	99.9	643.9	999.9	99.9	99.9	90.5	32.0

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



STATION NO. 365  
ALBUQUERQUE, NEW MEXICO

9 MAY 1979  
1100 GMT

134 52. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	22.9	1619.0	826.4	51.6	2.8	170.0	3.1	-0.5	3.1	294.4	309.8	5.7	82.0	0.0	0.
00.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
04.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
05.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
06.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
07.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
08.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
10.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
11.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
12.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
13.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
14.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
15.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
16.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
17.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
18.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
19.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
20.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
21.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
22.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
23.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
24.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
25.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
26.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
27.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
28.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
29.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
30.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
31.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
32.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
33.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
34.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
35.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
36.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
37.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
38.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
39.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
40.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
41.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
42.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
43.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
44.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
45.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
46.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
47.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
48.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
50.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

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

STATION NO. 365  
ALBUQUERQUE, NEW MEXICO  
9 MAY 1979  
1405 GMT

141 10. 0

TIME MIN	CMTCT	HEIGHT GDM	PRES MG	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 SUR F DG K	MR RTO GM/KG	RM PCT	WINDS KV DJ	AZ DJ
0.0	23.9	1819.3	825.8	6.7	1.6	260.0	1.0	1.0	0.2	295.6	310.1	5.3	73.0	0.0	0.
0.0	93.9	96.3	1300.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	950.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	903.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.0	94.9	96.3	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.1	21.0	1827.0	825.0	6.6	2.6	271.5	1.6	1.6	-0.9	243.6	310.9	5.6	75.6	0.0	132.
0.9	23.3	1829.0	800.0	6.3	3.1	260.7	1.0	1.0	0.2	245.7	312.0	6.6	91.7	0.1	97.
1.6	25.5	2130.1	775.0	1.7	1.3	203.5	1.2	0.5	1.1	295.6	310.5	5.6	95.9	0.1	92.
2.3	27.7	2401.1	750.0	0.6	0.4	220.4	3.7	2.4	2.6	277.2	311.8	5.3	99.8	0.2	66.
3.0	30.2	2612.7	725.0	-1.2	-1.2	221.0	0.8	5.0	6.7	298.1	311.5	4.8	101.7	0.4	51.
3.6	32.6	2852.9	700.0	-1.8	-1.6	217.4	16.6	8.9	11.6	320.5	313.9	6.8	101.6	0.8	66.
4.4	34.9	3282.1	675.0	-3.0	-3.0	212.0	21.0	13.2	16.3	332.3	315.2	6.5	101.3	1.7	81.
5.6	37.3	3500.7	650.0	-6.7	-4.7	213.7	25.9	16.6	20.0	303.7	315.6	6.2	101.3	3.1	61.
6.2	39.9	3901.6	625.0	-7.1	-7.1	220.6	26.9	17.6	20.3	304.3	316.6	5.6	102.9	4.4	62.
7.3	42.5	4166.2	600.0	-9.5	-10.1	221.0	29.3	19.5	21.8	305.1	313.9	3.0	95.2	6.2	61.
8.6	45.2	4494.1	575.0	-13.6	-14.2	219.5	31.6	20.1	24.3	308.4	313.1	2.2	83.7	8.7	61.
12.0	64.1	4931.9	550.0	-13.3	-16.0	217.5	30.1	18.3	23.8	308.3	314.4	2.0	80.3	11.3	63.
14.3	66.0	5174.7	525.0	-12.1	-16.1	214.5	27.6	16.7	24.6	310.3	316.1	1.9	80.5	14.3	63.
17.5	68.0	5523.6	500.0	-18.0	-22.7	215.1	30.8	17.7	25.2	311.1	315.1	1.2	65.6	15.8	39.
18.9	67.6	5934.3	475.0	-21.4	-30.9	217.6	38.8	23.7	30.8	311.5	312.6	0.2	18.0	16.2	38.
19.4	63.6	6332.1	450.0	-22.7	-37.9	215.4	69.5	28.7	40.3	318.8	315.9	0.3	23.5	21.3	38.
19.4	67.3	6793.7	425.0	-23.0	-41.2	210.9	58.5	30.1	50.2	319.6	320.0	0.2	17.0	25.9	37.
20.2	71.0	7063.0	400.0	-27.9	-55.6	212.7	63.29	34.1	53.2	325.0	322.3	0.1	7.2	32.3	36.
21.6	74.9	7452.9	375.0	-30.9	-57.4	213.9	68.06	35.7	53.1	327.1	327.3	0.0	5.0	39.7	35.
23.3	74.9	7674.3	350.0	-36.9	-62.3	213.6	61.99	36.2	51.6	328.5	326.7	0.0	5.0	51.3	35.
25.6	83.7	7914.7	325.0	-40.8	-62.3	213.1	62.29	33.9	52.1	330.7	330.9	0.0	6.1	59.2	35.
27.5	87.6	8114.7	300.0	-48.0	-69.9	216.7	51.56	30.8	41.3	331.6	331.6	0.9	99.9	66.7	35.
28.5	92.6	10353.7	250.0	-54.0	-69.9	219.5	71.06	65.2	54.7	333.6	333.6	0.9	99.9	76.6	35.
34.2	103.3	11890.4	200.0	-55.2	-69.9	215.3	64.79	31.6	44.6	345.4	345.4	0.9	99.9	99.9	36.
37.7	101.3	12751.4	175.0	-59.5	-69.9	205.4	64.90	28.6	40.4	351.8	351.8	0.9	99.9	99.9	36.
40.7	116.0	13707.1	150.0	-55.2	-69.9	221.2	43.566	28.6	32.7	375.0	375.0	0.9	99.9	111.6	35.
46.9	137.7	16307.3	125.0	-51.6	-69.9	242.8	23.768	18.6	18.6	401.6	401.6	0.9	99.9	120.0	35.
49.3	137.7	16307.3	100.0	-57.0	-69.9	225.3	26.28	18.6	18.6	417.7	417.7	0.9	99.9	123.3	36.
53.2	138.7	19161.8	75.0	-56.6	-69.9	17.4	18.66	18.6	18.6	436.5	436.5	0.9	99.9	128.8	36.
63.4	148.7	20731.2	50.0	-54.0	-69.9	147.5	11.56	-6.2	9.7	519.2	519.2	0.9	99.9	133.8	35.
75.0	156.7	22255.1	25.0	-43.6	-69.9	163.7	7.06	-2.0	6.7	654.0	654.0	0.9	99.9	136.3	36.

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

STATION NO. 365  
ALBUQUERQUE, NEW MEXICO

9 MAY 1979  
1705 GMT

132 65- 0

TIME MIN	CHTY	WEIGHT GPA	PRES NS	TEMP DU C	DEW PT DU C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT F DG K	WZ RTO GM/KG	RM PCT	RANGE KM	AZ DG
02.0	20.6	1019.0	826.1	6.7	3.0	340.0	6.2	2.1	-5.0	295.0	311.2	5.0	77.0	0.0	0.
07.0	99.0	97.0	1000.0	97.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
09.0	99.0	97.0	975.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
10.0	99.0	94.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
12.0	99.0	97.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
13.0	99.0	99.0	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
14.0	99.0	99.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
15.0	99.0	99.0	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	99.9	999.0	999.0	999.0
16.0	20.7	1029.0	825.0	6.1	3.2	337.0	6.2	2.4	-5.0	295.1	311.0	5.0	82.3	0.0	30.
17.0	20.8	1000.0	800.0	2.9	2.9	310.0	4.6	3.1	-3.1	296.2	310.2	5.9	102.3	0.3	132.
18.0	20.9	2137.7	775.0	1.6	1.6	278.0	2.0	2.0	-0.3	295.6	310.8	5.6	105.0	0.5	100.
19.0	21.0	2401.4	750.0	0.5	0.5	233.9	3.6	2.0	3.0	297.1	311.7	5.3	104.0	0.5	131.
20.0	29.5	2673.9	725.0	-1.1	-1.1	203.0	9.4	3.8	8.6	298.3	311.9	4.9	103.0	0.6	72.
21.0	31.0	2953.6	700.0	-2.2	-2.2	207.0	12.9	6.0	11.4	300.1	313.2	4.7	103.7	1.3	40.
22.0	30.3	3242.1	675.0	-3.9	-3.9	213.0	15.0	8.1	12.5	301.3	313.3	4.2	103.5	2.2	30.
23.0	35.0	3539.5	650.0	-5.3	-5.3	220.7	17.6	11.3	13.2	303.0	315.5	4.0	103.3	3.5	30.
24.0	30.3	3866.7	625.0	-7.4	-7.4	222.6	20.5	13.9	15.1	306.9	318.3	3.5	103.0	5.0	40.
25.0	42.0	4163.8	600.0	-9.5	-9.5	218.0	23.7	16.0	18.7	305.2	319.3	3.1	102.8	6.9	40.
26.0	48.0	4472.1	575.0	-11.1	-11.1	214.7	24.6	14.0	20.2	307.0	315.4	2.8	105.3	8.9	30.
27.0	47.4	4812.3	550.0	-13.0	-13.0	212.5	24.3	13.0	20.5	307.7	319.3	2.2	92.1	11.1	20.
28.0	50.5	5156.1	525.0	-16.2	-16.2	209.3	26.0	13.2	23.5	309.0	319.7	1.9	89.9	13.3	31.
29.0	51.5	5550.6	500.0	-18.3	-18.3	203.8	28.0	13.2	26.3	310.8	310.1	1.7	93.0	15.7	35.
30.0	50.6	5932.1	475.0	-20.5	-20.5	203.2	32.9	13.0	30.2	312.7	317.5	1.5	90.0	18.0	33.
31.0	62.0	6333.7	450.0	-23.2	-23.2	205.2	42.1	17.9	38.1	314.0	317.7	1.1	87.3	21.2	32.
32.0	63.4	6746.5	425.0	-26.7	-26.7	208.4	52.7	23.2	47.3	314.7	319.9	0.6	83.0	25.3	31.
33.0	66.9	7192.7	400.0	-28.4	-28.4	208.6	59.10	28.3	51.0	318.1	319.4	0.3	37.6	29.7	31.
34.0	70.7	7664.0	375.0	-30.5	-30.5	209.8	64.00	31.6	55.6	321.2	321.8	0.1	18.6	36.1	30.
35.0	74.7	8132.6	350.0	-32.5	-32.5	213.0	68.00	37.5	57.7	324.9	323.4	0.1	10.1	42.4	30.
36.0	70.8	8651.3	325.0	-35.9	-35.9	215.8	67.70	39.6	54.9	327.2	327.5	0.1	10.4	51.2	31.
37.0	83.2	9203.2	300.0	-37.6	-37.6	217.0	65.00	39.6	52.5	329.6	329.9	99.9	999.0	59.2	32.
38.0	87.6	9793.6	275.0	-43.6	-43.6	220.5	65.50	42.5	49.7	332.1	329.9	99.9	999.0	66.5	33.
39.0	92.4	10474.2	250.0	-47.1	-47.1	222.2	72.00	44.4	52.3	334.1	329.9	99.9	999.0	75.4	34.
40.0	98.2	11133.6	225.0	-53.2	-53.2	227.1	64.70	32.6	30.4	337.0	329.9	99.9	999.0	82.4	35.
41.0	103.0	11870.3	200.0	-53.2	-53.2	218.0	48.00	28.2	38.9	348.0	329.9	99.9	999.0	89.2	35.
42.0	113.0	12726.4	175.0	-57.2	-57.2	204.5	60.700	25.1	55.2	355.6	329.9	99.9	999.0	100.7	36.
43.0	118.7	13692.0	150.0	-57.6	-57.6	193.0	40.000	28.6	39.7	370.0	329.9	99.9	999.0	110.3	36.
44.0	124.0	14754.1	125.0	-52.2	-52.2	193.0	27.000	27.3	4.4	400.0	329.9	99.9	999.0	120.9	35.
45.0	131.7	16296.9	100.0	-55.6	-55.6	193.0	28.20	25.9	16.4	420.7	329.9	99.9	999.0	123.5	35.
46.0	140.3	18138.6	75.0	-56.0	-56.0	187.0	35.50	-0.0	34.0	455.3	329.9	98.0	999.0	130.2	35.
47.0	149.3	20095.0	50.0	-56.0	-56.0	99.9	99.9	99.9	99.9	414.0	329.9	99.9	999.0	999.0	999.0
48.0	99.0	99.0	25.0	99.0	99.0	99.9	99.9	99.9	99.9	99.9	329.9	99.9	999.0	999.0	999.0

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



STATION NO. 363  
ALBUQUEMQUE, NEW MEXICO  
9 MAY 1979  
2305 GMT

TIME MIN	CNCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U CUMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	19.7	1617.2	827.5	10.6	2.2	120.0	3.1	-2.7	1.5	299.5	319.7	5.4	50.0	0.0	0.
01	09.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	09.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	09.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	09.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05	09.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06	09.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07	09.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08	09.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
09	09.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	09.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
11	09.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
12	09.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
13	09.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14	09.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
15	09.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16	09.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17	09.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18	09.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19	09.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20	09.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21	09.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22	09.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23	09.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
24	09.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25	09.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26	09.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27	09.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
28	09.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29	09.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30	09.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31	09.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
32	09.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33	09.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
34	09.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35	09.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36	09.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37	09.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38	09.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39	09.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40	09.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
41	09.9	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 365  
ALBUQUERQUE, NEW MEXICO

10 MAY 1979  
205 GMT

137 01. 0

TIME MIN	CNTCT	METHT	PAFS	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	PWT	E POT	MR FID	RM	RANGE	AZ
		GM	MJ	CG C	CG C	DG	M/SEC	M/SEC	M/SEC	DJ K	DJ K	GM/KG	PCI	KN	DG
003	28.1	1619.0	879.8	10.0	-1.4	270.0	7.2	7.2	0.0	279.5	311.2	0.2	43.0	0.0	0.
004	42.9	90.9	1030.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
005	44.9	975.0	975.0	99.9	99.9	97.9	99.9	99.9	99.9	44.9	999.9	99.9	999.9	999.9	999.9
006	02.9	973.0	973.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
007	04.9	925.0	925.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
008	06.9	933.0	933.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
009	08.9	941.0	941.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
010	10.9	949.0	949.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
011	12.9	957.0	957.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
012	14.9	965.0	965.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
013	16.9	973.0	973.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
014	18.9	981.0	981.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
015	20.9	989.0	989.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
016	22.9	997.0	997.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
017	24.9	1005.0	1005.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
018	26.9	1013.0	1013.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
019	28.9	1021.0	1021.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
020	30.9	1029.0	1029.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
021	32.9	1037.0	1037.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
022	34.9	1045.0	1045.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
023	36.9	1053.0	1053.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
024	38.9	1061.0	1061.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
025	40.9	1069.0	1069.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
026	42.9	1077.0	1077.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
027	44.9	1085.0	1085.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
028	46.9	1093.0	1093.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
029	48.9	1101.0	1101.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
030	50.9	1109.0	1109.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
031	52.9	1117.0	1117.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
032	54.9	1125.0	1125.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
033	56.9	1133.0	1133.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
034	58.9	1141.0	1141.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
035	60.9	1149.0	1149.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
036	62.9	1157.0	1157.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
037	64.9	1165.0	1165.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
038	66.9	1173.0	1173.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
039	68.9	1181.0	1181.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
040	70.9	1189.0	1189.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
041	72.9	1197.0	1197.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
042	74.9	1205.0	1205.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
043	76.9	1213.0	1213.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
044	78.9	1221.0	1221.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
045	80.9	1229.0	1229.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
046	82.9	1237.0	1237.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
047	84.9	1245.0	1245.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
048	86.9	1253.0	1253.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
049	88.9	1261.0	1261.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
050	90.9	1269.0	1269.0	99.9	99.9	97.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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

ORIGINAL PAGE 1  
 OF 10 PAGES



STATION NO. 365  
ALBUQUERQUE, NEW MEXICO

10 MAY 505 GMT 1979

103 15. 0

TIME MIN	CNTCT	WEIGHT GPM	PHES NB	TEMP DG C	DEB PT DG	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WZ WFO GR/KG	RM PCT	RANGE KM	AZ OS
0-0	23.7	1019.0	031.5	5.6	-0.0	270.0	7.2	7.2	0.0	293.9	306.5	0.6	07.0	0.0	0.0
0-0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-2	24.3	1003.3	025.0	0.9	-0.5	275.7	10.0	10.0	-1.1	293.8	306.1	0.5	09.2	0.0	09.2
1-1	25.5	1003.9	030.0	3.4	-2.6	277.0	10.2	10.1	-1.6	294.6	305.9	0.6	09.0	0.0	09.0
2-1	25.0	1019.3	075.0	2.5	-5.3	276.9	8.9	8.9	-1.1	296.5	305.5	3.2	03.0	1.3	07.1
3-1	24.2	2055.2	750.0	0.1	-7.4	270.5	6.0	6.0	-0.1	296.7	305.1	2.9	71.2	1.0	07.1
4-2	32.5	2026.1	725.0	-1.9	-6.4	262.3	6.3	6.3	0.8	297.4	306.0	3.3	71.3	2.2	04.4
5-3	31.0	3033.7	700.0	-0.6	-6.6	267.4	5.4	5.4	0.2	297.4	306.9	3.3	85.2	2.6	01.1
6-3	35.5	3200.1	675.0	-0.9	-7.0	268.6	5.7	5.7	0.2	298.0	307.2	3.2	95.7	2.9	02.1
6-9	33.1	3502.6	650.0	-9.3	-9.6	262.2	6.1	6.1	0.6	298.6	308.6	2.8	97.8	3.2	02.1
6-9	43.7	3904.9	625.0	-11.7	-12.3	257.0	7.6	7.4	1.7	299.1	306.1	2.4	98.9	3.6	00.0
10-2	46.2	4155.1	600.0	-14.6	-16.0	247.4	9.0	8.3	3.5	299.2	304.7	1.8	82.6	4.2	08.0
11-4	49.1	4809.5	550.0	-19.5	-22.4	236.1	13.1	10.9	7.1	301.0	304.0	1.4	83.6	4.6	05.0
12-7	57.0	5144.2	525.0	-21.3	-26.8	237.0	15.6	13.2	8.3	302.8	305.0	0.7	53.5	6.0	07.1
14-0	55.2	5552.6	500.0	-23.8	-32.7	231.2	19.5	15.2	12.2	304.3	305.9	0.5	42.7	7.0	03.1
15-2	53.6	5926.5	475.0	-25.7	-36.9	223.6	26.1	18.0	16.9	306.2	307.3	0.3	33.0	9.0	03.0
16-7	61.7	6317.6	450.0	-26.4	-45.0	214.4	37.9	26.4	29.0	316.1	318.0	0.1	16.2	11.0	02.1
19-3	65.1	6731.8	425.0	-24.7	-49.0	210.4	51.3	28.9	42.3	317.4	318.0	0.2	13.2	15.0	00.0
22-2	64.7	7173.0	400.0	-24.4	-46.6	212.5	57.6	30.9	48.6	323.2	323.0	0.1	10.7	22.0	00.0
22-1	72.5	7603.9	375.0	-27.2	-48.2	215.2	62.2	35.8	50.8	325.6	326.1	0.1	11.5	20.7	00.0
23-2	74.5	8104.0	350.0	-30.7	-50.0	218.5	68.1	42.4	53.3	327.6	327.6	0.1	11.8	32.9	00.0
24-5	83.7	8606.2	325.0	-35.4	-52.7	219.8	65.5	41.9	50.4	327.9	328.2	0.1	15.9	37.9	00.0
26-9	85.0	9207.1	300.0	-39.7	-56.1	222.5	64.3	43.4	47.4	329.5	329.7	0.1	15.3	46.1	03.0
24-6	89.6	9707.2	275.0	-44.3	99.9	224.0	67.0	44.5	48.3	331.1	999.9	99.9	999.9	50.0	03.0
31-4	94.6	10031.3	250.0	-47.7	99.9	225.2	60.2	42.0	42.4	335.2	999.9	99.9	999.9	65.0	03.0
34-0	94.0	11122.9	225.0	-50.4	99.9	213.6	50.5	27.9	12.1	301.2	999.9	99.9	999.9	73.7	03.0
37-6	105.5	11395.3	200.0	-52.4	99.9	210.3	69.6	19.6	45.4	349.7	999.9	99.9	999.9	82.0	01.0
40-8	111.5	12760.5	175.0	-55.8	99.9	213.4	67.0	26.1	41.2	357.9	999.9	99.9	999.9	93.5	00.0
45-3	114.1	13733.2	150.0	-54.6	99.9	217.1	32.0	19.3	25.5	376.1	999.9	99.9	999.9	102.0	00.0
47-4	115.2	14167.7	125.0	-53.3	99.9	217.0	27.5	16.9	21.7	387.6	999.9	99.9	999.9	111.0	00.0
54-7	137.7	16257.3	100.0	-55.2	99.9	172.6	19.4	-2.5	19.2	421.0	999.9	99.9	999.9	114.6	00.0
67-2	141.3	18124.9	75.0	-53.7	99.9	133.5	13.0	7.3	11.1	456.2	999.9	99.9	999.9	121.1	00.0
67-5	143.3	20095.3	50.0	-55.1	99.9	99.3	10.2	-10.1	1.5	513.8	999.9	99.9	999.9	123.6	00.0
82-1	150.3	25190.7	25.0	-61.2	99.9	132.0	10.3	-7.7	4.9	603.6	999.9	99.9	999.9	122.0	00.0

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



STATION NO. 365  
ALBUQUERQUE, NEW MEXICO

10 MAY 1979  
1100

139 15. 0

TIME MIN	CNTCT	MFIGHT GPM	PHES WB	TEMP DG C	DEW PT DG C	DIR DG	SPFED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT 7 DG K	MX RTO GN/KG	RM PCT	RANGE KM	AZ DG
0.0	13.8	1619.3	532.5	3.3	0.5	180.0	3.6	0.0	3.0	291.3	304.3	4.0	82.0	0.0	0.
0.0	9.0	97.0	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	9.7	999.9	999.9	999.9
0.0	9.0	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	999.9
0.0	5.0	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.0	5.0	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.0	5.0	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.0	9.0	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.0	9.0	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.0	9.0	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
1.1	2.6	1942.5	800.0	2.6	-2.3	251.6	3.2	3.0	3.0	292.6	305.3	4.7	76.8	0.1	7.
1.9	2.7	2197.5	775.0	0.7	-4.0	291.6	4.4	4.1	-1.6	294.0	304.8	4.0	69.8	0.2	26.
2.5	2.7	2463.7	750.0	1.8	-5.9	303.5	6.7	5.8	-3.4	294.6	303.8	3.7	71.1	0.3	57.
4.8	2.3	2724.7	725.0	-4.1	-7.7	309.4	7.8	6.0	-5.0	294.9	303.3	3.0	76.4	0.9	105.
6.8	3.5	3305.6	700.0	-6.6	-8.4	307.3	8.5	7.0	-5.4	295.2	303.4	2.9	86.4	1.4	114.
6.0	3.0	3284.5	675.0	-9.5	-9.7	291.3	9.3	8.6	-3.5	295.1	302.8	2.7	98.5	2.1	117.
7.1	3.4	3433.5	650.0	-9.4	-10.7	273.6	7.6	7.5	-0.5	298.3	305.8	2.6	90.1	2.6	113.
4.3	3.0	3442.4	625.0	-7.0	-17.7	277.2	9.1	9.0	-1.1	300.0	304.6	1.5	57.3	3.1	110.
7.3	4.1	4107.1	600.0	-12.7	-21.1	279.2	10.5	10.4	-1.7	301.5	305.1	1.2	49.1	3.6	108.
13.4	4.2	4519.7	575.0	-15.7	-23.7	275.5	11.0	10.9	-1.1	301.6	304.6	1.0	50.0	4.6	107.
11.5	4.0	4952.0	550.0	-19.2	-26.6	261.1	11.1	11.1	0.6	302.5	305.0	0.8	47.4	5.2	105.
12.8	4.9	5127.6	525.0	-21.2	-31.0	261.8	12.0	11.9	1.7	303.0	304.8	0.5	43.4	6.0	102.
14.0	5.3	5356.7	500.0	-23.1	-36.3	258.5	13.6	13.1	3.6	304.9	306.0	0.3	28.6	6.9	99.
15.4	5.0	5729.5	475.0	-26.2	-40.0	248.8	18.8	16.5	6.9	305.6	306.5	0.2	25.7	8.0	96.
16.9	5.1	6318.7	450.0	-28.6	-41.2	231.1	28.4	22.1	17.8	307.3	308.1	0.2	28.2	9.5	87.
17.1	6.5	6727.9	425.0	-29.9	-46.1	223.3	41.6	26.9	31.7	312.0	312.5	0.1	17.3	11.6	78.
17.9	6.0	7163.0	400.0	-28.9	-49.0	213.1	50.1	27.3	41.9	317.4	317.8	0.1	12.2	15.9	65.
21.4	6.7	7527	375.0	-29.4	-49.4	211.0	54.7	28.2	46.9	322.7	323.1	0.1	12.3	19.9	58.
22.7	7.5	811	350.0	-32.5	-51.7	212.9	59.0	32.1	49.5	324.9	325.3	0.1	12.6	24.2	53.
23.6	7.5	8531.4	325.0	-35.3	-53.8	218.0	63.2	35.9	49.5	328.1	328.4	0.1	12.8	30.5	40.
25.9	8.1	9184.1	300.0	-39.6	-55.9	217.8	60.3	40.7	52.4	329.6	329.8	0.1	15.8	39.5	46.
23.9	8.3	9773.2	275.0	-44.4	-59.9	220.0	70.2	45.2	53.8	331.0	331.0	99.9	999.9	47.5	45.
31.3	9.2	10604.4	250.0	-48.8	-64.8	220.7	66.8	43.5	50.7	333.5	333.5	99.9	999.9	57.3	44.
33.7	9.4	11094.0	225.0	-59.0	-69.9	219.7	56.3	36.0	43.3	340.7	340.9	99.9	999.9	67.2	44.
36.7	10.4	11452.0	200.0	-51.6	-69.9	219.2	42.0	26.5	32.5	351.0	351.0	99.9	999.9	75.8	43.
43.3	10.9	12724.7	175.0	-53.3	-69.9	212.0	45.1	22.3	35.7	361.9	361.9	99.9	999.9	82.6	43.
44.5	11.0	13702.8	150.0	-58.5	-69.9	221.5	47.8	31.7	35.8	369.4	369.4	99.9	999.9	93.9	41.
48.9	12.7	14977.1	125.0	-49.3	-69.9	224.0	19.6	14.5	13.5	405.7	405.7	99.9	999.9	103.8	42.
54.9	12.3	16317.2	100.0	-54.7	-69.9	194.4	16.0	4.0	15.5	422.1	422.1	99.9	999.9	109.7	42.
63.9	13.3	17315.1	75.0	-57.0	-69.9	159.5	12.8	-4.5	11.9	433.5	433.5	99.9	999.9	114.7	42.
67.7	14.7	20716.0	50.0	-53.6	-69.9	248.4	4.3	7.3	-3.9	518.7	518.7	99.9	999.9	119.7	41.
82.5	15.7	25218.2	25.0	-48.7	-69.9	160.4	2.6	-0.9	2.4	485.0	485.0	99.9	999.9	113.4	39.

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

STATION NO. 433  
SALEM, ILLINOIS

9 MAY 1979  
1100 GMT

188 12. 1

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

TIME MIN	CHTCF	WEIGHT 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 Y DG K	MR RTO GM/KC	RH PCT	RANGE KM	AZ DG
0.0	7.5	175.0	921.0	16.3	17.0	100.0	3.1	-1.1	2.9	232.2	324.2	12.4	92.0	0.0	0.
0.5	9.0	100.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.0	9.0	315.2	975.0	18.8	17.7	99.9	99.9	99.9	99.9	234.1	328.3	13.2	93.5	999.9	999.9
1.5	11.1	534.4	950.0	12.4	17.6	99.9	99.9	99.9	99.9	236.9	332.2	13.5	89.5	999.9	999.9
2.0	13.7	764.7	925.0	10.7	17.0	99.9	99.9	99.9	99.9	238.4	333.6	13.3	89.9	1.7	10.
2.5	16.1	1074.8	900.0	16.7	15.1	202.8	16.0	6.2	14.8	238.7	331.0	12.1	90.4	2.4	14.
3.0	19.5	1245.2	875.0	15.4	13.3	199.2	12.1	4.0	11.5	237.6	329.4	11.1	87.8	3.2	16.
3.5	21.4	1492.1	850.0	17.4	2.9	190.6	8.3	1.5	6.2	304.3	320.1	8.6	38.0	3.7	16.
4.0	21.4	1741.7	825.0	16.2	1.9	190.7	8.1	1.5	6.0	305.7	320.9	5.3	38.2	4.1	15.
4.5	21.6	2072.2	800.0	14.0	-1.0	185.9	6.5	0.7	4.4	306.1	318.9	4.4	35.4	4.5	15.
5.0	21.6	2275.3	775.0	13.6	-1.6	182.9	4.8	0.2	3.3	311.4	311.6	0.1	1.0	5.1	14.
5.5	21.6	2531.4	750.0	11.9	-41.6	171.3	3.3	-0.5	2.7	312.5	312.9	0.1	1.0	5.2	13.
6.0	33.8	2934.9	725.0	9.7	-42.6	159.4	3.0	-1.2	2.5	313.2	313.6	0.1	1.0	5.3	11.
6.5	35.4	3125.9	700.0	9.7	-42.6	142.1	3.2	-2.0	2.9	318.6	315.0	0.1	1.0	5.5	9.
7.0	37.2	3427.2	675.0	8.0	-45.0	135.4	4.0	-2.8	2.9	315.2	315.6	0.1	1.0	5.6	7.
7.5	42.0	3736.5	650.0	5.5	-45.5	119.4	4.7	-3.5	3.1	315.2	315.6	0.1	1.0	5.6	7.
8.0	46.8	4055.5	625.0	3.1	-48.0	113.3	5.2	-4.5	2.6	316.0	316.3	0.1	1.0	5.9	1.
8.5	47.8	4384.2	600.0	0.6	-49.6	123.7	5.7	-4.7	3.2	316.9	317.1	0.1	1.0	5.9	1.
9.0	57.8	4728.2	575.0	-1.3	-50.8	143.2	5.5	-3.3	4.4	318.4	318.7	0.1	1.0	6.2	358.
9.5	51.8	5076.3	550.0	-3.4	-52.1	151.5	5.6	-2.7	5.0	320.1	320.3	0.1	1.0	6.5	357.
10.0	56.8	5442.8	525.0	-6.1	-53.8	165.0	5.4	-1.4	5.2	321.1	321.3	0.0	1.0	6.8	355.
10.5	62.0	5822.3	500.0	-9.2	-55.8	176.0	5.6	-0.4	5.6	321.8	321.9	0.0	1.0	7.3	355.
11.0	61.3	6210.7	475.0	-12.3	-57.7	181.8	6.3	0.2	6.3	322.7	322.9	0.0	1.0	7.8	355.
11.5	66.8	6627.3	450.0	-15.8	-59.9	183.3	7.0	0.4	7.0	323.4	323.6	0.0	1.0	8.3	356.
12.0	70.0	7055.2	425.0	-19.2	-62.1	188.1	7.1	1.0	7.0	324.4	324.5	0.0	1.0	8.9	357.
12.5	71.6	7572.5	400.0	-23.4	-64.3	190.7	9.2	1.7	9.1	324.6	324.6	0.0	1.0	9.4	358.
13.0	81.0	7971.5	375.0	-26.9	-66.6	183.3	9.7	0.6	9.7	326.0	326.1	0.0	1.1	10.5	359.
13.5	87.2	8464.5	350.0	-31.2	-69.6	178.2	9.8	-0.3	8.8	326.7	326.8	0.0	4.7	11.5	359.
14.0	87.2	8948.3	325.0	-35.8	-62.3	189.6	9.6	1.6	9.5	327.4	327.5	0.0	6.2	12.5	359.
14.5	87.2	9537.1	300.0	-39.4	-64.9	207.6	8.7	4.0	7.7	329.9	329.9	99.9	999.9	13.3	0.
15.0	91.5	10127.1	275.0	-44.0	-67.9	213.2	8.0	4.9	7.5	331.5	331.5	99.9	999.9	14.3	3.
15.5	94.0	10760.4	250.0	-48.2	-69.7	220.2	9.0	6.4	7.6	334.5	334.5	99.9	999.9	15.3	5.
16.0	102.4	11447.8	225.0	-52.4	-69.9	227.4	11.0	8.1	7.4	338.2	338.2	99.9	999.9	16.4	8.
16.5	109.0	12202.6	200.0	-55.8	-69.9	229.8	13.0	9.9	8.4	344.3	344.3	99.9	999.9	17.8	12.
17.0	113.8	13046.4	175.0	-59.2	-69.9	240.0	15.0	13.7	7.9	352.3	352.3	99.9	999.9	19.8	17.
17.5	119.8	14008.8	150.0	-60.9	-69.9	239.3	15.6	13.0	6.4	365.2	365.2	99.9	999.9	22.8	22.
18.0	126.5	15136.2	125.0	-63.2	-69.9	243.9	14.4	13.0	6.4	340.5	340.5	99.9	999.9	26.8	28.
18.5	134.0	16503.4	100.0	-65.3	-69.9	248.9	12.6	11.4	5.3	401.3	401.3	99.9	999.9	27.7	32.
19.0	142.3	18269.6	75.0	-61.5	-69.9	240.9	12.2	11.4	4.4	444.1	444.1	99.9	999.9	31.6	37.
19.5	151.3	20905.6	50.0	-57.9	-69.9	257.9	6.3	4.2	0.9	507.1	507.1	99.9	999.9	36.1	38.
20.0	161.0	23257.8	25.0	-47.7	-69.9	999.9	1.9	99.9	99.9	607.6	607.6	99.9	999.9	31.8	40.

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

STATION NO. 433  
SALEM, ILLINOIS

9 MAY 1979

2300 GMT  
ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

102 11. 1

TIME MIN	ENCT	WEIGHT GPM	PRES MG	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT T DG K	HX RTO GN/KG	RM PCT	RANGE KM	AZ DG
0.0	7.9	175.0	990.2	26.8	20.6	160.0	5.1	-1.7	4.8	300.8	342.4	15.7	89.2	8.0	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	999.9
0.5	9.3	311.9	975.0	25.8	18.5	999.9	99.9	99.9	99.9	301.1	338.1	13.9	64.2	999.9	999.9
1.4	11.7	540.4	950.0	23.7	17.8	999.9	99.9	99.9	99.9	301.2	337.6	13.6	64.6	999.9	999.9
2.2	14.1	771.2	925.0	21.3	17.3	999.9	99.9	99.9	99.9	301.5	337.4	13.6	77.9	1.1	338.
3.1	16.6	1010.0	900.0	19.3	17.3	178.8	9.1	-0.2	9.1	301.5	338.7	14.0	87.9	1.5	342.
3.9	19.0	1253.1	875.0	17.1	16.0	182.7	9.5	0.5	9.5	301.4	336.9	13.2	92.9	2.0	347.
4.8	21.5	1500.9	850.0	15.4	14.2	182.6	10.2	10.2	10.2	302.3	335.0	12.1	92.6	2.5	350.
5.8	24.0	1754.2	825.0	14.3	12.5	187.4	11.0	1.4	10.9	303.7	334.0	11.1	88.7	3.1	353.
6.9	26.6	2014.3	800.0	12.7	10.5	187.3	11.4	1.4	11.3	304.7	332.4	10.1	86.4	3.8	356.
7.9	29.2	2291.0	775.0	11.5	7.5	188.4	9.4	1.4	9.3	306.2	329.8	8.5	76.7	4.5	358.
9.0	31.9	2554.7	750.0	9.3	6.1	190.3	7.8	1.4	7.7	306.7	329.0	7.9	65.3	5.0	359.
10.0	34.5	2835.4	725.0	8.1	2.2	198.7	7.2	2.3	6.8	308.4	326.3	6.2	64.4	5.4	36.
11.0	37.2	3125.8	700.0	8.2	-13.5	218.8	5.2	3.3	4.1	311.6	318.3	2.2	22.8	5.8	2.
12.3	39.9	3425.5	675.0	7.5	-45.3	258.3	3.6	3.5	0.7	314.1	314.4	0.1	1.0	6.0	3.
12.9	42.4	3724.5	650.0	5.3	-46.7	266.7	4.1	4.1	0.2	315.0	315.3	0.1	1.0	6.0	6.
13.9	45.6	4053.2	625.0	3.2	-48.0	268.4	3.6	3.6	0.1	316.1	316.4	0.1	1.0	6.0	8.
15.1	48.6	4382.8	600.0	1.4	-49.1	272.5	2.6	2.6	-0.1	317.8	318.0	0.1	1.0	6.0	10.
16.3	51.6	4721.7	575.0	-0.8	-50.5	279.5	1.9	1.9	-0.3	319.0	319.3	0.1	1.0	6.1	11.
17.5	54.6	5076.6	550.0	-3.5	-50.6	283.2	1.5	1.5	0.2	320.0	320.2	0.1	1.0	6.1	12.
18.9	57.9	5441.9	525.0	-6.3	-53.9	283.3	2.1	1.7	1.2	320.9	321.1	0.0	1.0	6.1	13.
19.9	61.0	5821.2	500.0	-9.2	-52.4	283.0	2.1	1.6	1.2	321.6	322.0	0.0	1.0	6.3	14.
21.2	64.3	6215.1	475.0	-12.9	-56.1	281.8	2.4	1.9	1.5	322.0	322.1	0.0	1.0	6.4	15.
22.4	67.6	6624.9	450.0	-15.9	-60.0	281.9	4.6	3.6	2.8	323.2	323.3	0.0	1.0	6.6	16.
23.9	71.0	7052.6	425.0	-19.3	-61.1	284.0	7.2	5.8	4.2	324.3	324.4	0.0	1.0	7.0	19.
25.6	74.6	7500.0	400.0	-23.2	-58.4	246.1	7.4	6.8	3.0	324.9	325.4	0.0	2.3	7.4	22.
27.5	79.3	7968.4	375.0	-27.5	-50.3	244.3	7.3	6.6	3.2	325.3	325.4	0.0	3.1	8.2	27.
29.5	82.2	8460.7	350.0	-31.8	-58.3	224.3	6.3	4.7	4.2	325.9	326.0	0.0	5.3	8.9	30.
31.5	86.2	8979.7	325.0	-36.7	-56.3	217.5	5.8	3.5	4.6	326.2	326.4	0.1	10.9	9.6	30.
33.5	90.3	9524.2	300.0	-41.6	-99.9	221.5	5.2	3.5	3.9	326.7	326.7	99.9	999.9	10.3	31.
35.4	94.7	10111.6	275.0	-46.2	99.9	213.8	5.0	2.8	4.2	328.3	328.3	99.9	999.9	10.8	31.
37.7	94.2	10744.4	250.0	-47.2	99.9	219.6	7.8	5.0	6.0	335.9	335.9	99.9	999.9	11.7	31.
40.2	104.2	11433.4	225.0	-52.3	99.9	235.6	8.0	6.6	4.5	338.3	338.3	99.9	999.9	12.8	31.
42.4	109.4	12184.7	200.0	-55.7	99.9	228.6	10.5	7.9	6.9	346.8	346.8	99.9	999.9	14.2	35.
45.7	119.0	13035.5	175.0	-57.8	99.9	229.8	13.8	10.5	6.9	354.5	354.5	99.9	999.9	16.3	37.
49.1	127.9	14031.3	150.0	-60.6	99.9	241.3	16.7	14.6	6.0	365.6	365.6	99.9	999.9	19.2	40.
52.9	127.9	15112.1	125.0	-62.9	99.9	249.3	15.3	14.3	8.4	361.2	361.2	99.9	999.9	22.7	44.
57.8	135.3	16504.6	100.0	-63.1	99.9	257.4	15.5	15.1	3.4	405.9	405.9	99.9	999.9	26.5	48.
63.7	143.7	18271.0	75.0	-64.1	99.9	254.9	9.4	9.1	3.4	438.4	438.4	99.9	999.9	30.3	52.
71.7	153.0	20788.9	50.0	-64.0	99.9	177.3	3.7	-0.2	3.7	588.8	588.8	99.9	999.9	32.7	54.
83.8	162.7	25265.8	25.0	-68.5	99.9	999.9	99.9	99.9	99.9	635.6	635.6	99.9	999.9	39.5	57.

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

STATION NO. 433  
SALEM, ILLINOIS

10 MAY 1979  
1100 GMT

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

TIME MIN	CNTR	HEIGHT GUM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U CLMP M/SEC	V CLMP M/SEC	PJT F JG K	E POT F DG K	MR RIO GM/KG	R-H P-F	RANGE KM	AZ DG
0.0	6.9	175.0	941.2	19.3	18.8	140.3	2.6	-1.7	2.0	293.2	328.8	13.8	94.8	0.0	0.
0.5	9.0	99.9	170.8	19.9	19.9	94.9	99.9	99.9	99.9	99.9	949.9	98.9	99.9	99.9	302.
0.5	9.0	318.1	975.8	21.6	19.8	999.9	99.9	99.9	99.9	278.9	336.2	15.1	89.4	999.9	99.
1.3	10.7	548.6	958.6	21.5	19.4	999.9	99.9	99.9	99.9	299.0	338.8	15.1	87.6	999.9	99.
2.2	13.1	778.0	925.0	19.9	16.9	999.9	99.9	99.9	99.9	299.7	338.8	13.2	87.7	1.4	13.
3.1	15.5	1012.6	890.0	19.4	15.0	192.7	10.2	2.3	10.8	300.9	333.1	12.0	78.7	2.0	10.
3.9	17.9	1258.5	875.0	17.4	13.3	187.1	18.9	1.3	18.6	301.8	331.8	11.1	77.8	2.4	13.
4.9	20.3	1502.3	853.0	15.8	13.0	191.0	18.7	2.0	18.5	322.8	333.1	11.2	83.2	3.1	12.
5.7	22.9	1757.7	827.0	13.9	12.6	202.1	19.7	4.0	9.9	323.3	333.7	11.2	51.7	3.6	13.
6.6	25.3	2013.4	803.0	12.9	10.1	207.0	12.3	5.6	11.0	305.0	331.9	9.8	87.7	4.2	15.
7.5	27.9	2282.4	775.0	10.7	8.1	203.4	11.3	4.9	18.2	325.4	329.8	8.8	81.8	4.9	16.
8.7	30.4	2555.2	753.0	8.5	3.7	205.1	10.5	4.5	9.5	385.9	324.7	6.7	71.4	5.6	17.
9.7	33.1	2832.5	728.0	8.0	-15.6	208.1	8.8	4.2	7.8	359.1	313.9	1.4	18.0	6.2	18.
10.9	35.8	3125.4	703.0	8.2	-38.0	211.2	6.9	3.6	5.3	311.5	313.2	0.5	5.0	6.7	19.
11.9	38.6	3428.7	675.0	7.2	-45.5	222.5	5.8	3.7	4.3	311.7	314.1	1.0	1.0	7.1	20.
13.0	41.2	3738.3	643.0	6.0	-48.2	234.4	7.3	6.1	3.6	315.8	316.1	0.1	1.0	7.4	22.
14.0	44.1	4053.6	607.0	4.0	-47.5	253.7	9.6	9.2	2.7	317.0	317.3	0.1	1.0	8.2	24.
15.7	46.9	4378.2	572.0	1.1	-47.3	263.3	10.7	10.6	1.2	317.4	317.7	0.1	1.0	8.7	3.
18.3	49.9	4723.3	525.0	-1.9	-51.1	259.9	10.2	12.0	2.7	317.4	318.0	0.1	1.0	9.1	15.
17.5	52.9	5078.7	477.0	-4.9	-51.0	252.0	9.5	9.1	2.7	318.3	318.5	0.0	1.0	9.2	15.
18.2	56.0	5437.9	422.0	-8.0	-55.0	249.1	7.8	7.2	2.7	319.4	318.9	0.0	1.0	9.8	38.
21.1	64.1	5915.0	322.0	-14.0	-56.7	233.7	5.0	4.3	2.9	327.0	323.1	0.0	1.0	10.3	39.
21.5	67.3	6237.7	275.0	-13.3	-57.1	212.2	4.4	2.4	3.7	321.9	321.6	0.0	1.2	10.6	39.
22.3	65.6	6610.7	253.0	-12.1	-45.6	192.3	4.8	0.9	4.7	323.0	323.5	0.1	5.8	11.0	38.
24.8	64.1	7088.0	225.0	-12.9	-45.3	166.0	4.8	-1.2	4.7	323.5	324.1	0.2	8.2	11.3	37.
25.9	72.6	7481.2	192.0	-22.9	-53.9	234.7	2.8	1.2	2.5	323.2	325.8	0.1	5.7	11.5	35.
27.5	75.3	7914.6	175.0	-24.7	-56.2	332.2	5.4	4.6	-2.7	324.9	329.1	0.0	3.5	11.6	37.
29.2	82.0	8403.5	150.0	-28.9	-57.9	312.1	6.6	4.9	-8.4	327.8	330.8	0.0	4.1	11.6	40.
31.1	84.3	8906.4	125.0	-33.3	-63.0	311.4	7.7	5.7	-5.1	330.4	331.9	0.0	4.8	11.7	44.
33.3	84.2	9522.6	100.0	-38.7	-67.9	307.9	9.5	7.1	-5.9	330.2	330.9	99.9	94.9	11.7	49.
35.1	92.6	10188.5	75.0	-42.7	-71.1	312.2	10.2	7.5	-8.8	333.4	330.9	99.9	99.9	11.7	52.
37.3	97.0	10770.0	50.0	-48.0	-71.1	316.2	8.7	6.0	-6.3	334.7	330.9	99.9	99.9	12.2	60.
37.7	101.8	11457.0	225.0	-52.1	-71.1	314.1	8.6	5.6	-6.5	338.7	330.9	99.9	99.9	12.6	66.
42.4	107.0	12211.7	200.0	-56.7	-71.1	321.2	10.3	6.4	-8.0	343.0	330.9	99.9	99.9	13.8	72.
45.3	112.8	13084.2	175.0	-62.2	-71.1	310.1	13.4	10.1	-8.6	347.3	330.9	99.9	99.9	14.0	80.
48.6	118.8	14033.6	150.0	-67.3	-71.1	254.2	12.2	11.4	3.3	347.9	330.9	99.9	99.9	14.1	83.
52.6	125.7	15136.6	125.0	-62.2	-71.1	242.5	17.1	16.0	6.0	342.3	330.9	99.9	99.9	14.3	88.
57.1	133.3	16512.3	100.0	-62.4	-71.1	243.5	14.0	14.0	7.0	407.3	330.9	99.9	99.9	21.5	76.
62.9	142.0	18203.1	75.0	-65.4	-71.1	262.3	5.6	5.6	0.8	436.7	330.9	99.9	99.9	28.6	76.
78.7	151.7	20803.6	50.0	-59.3	-71.1	336.2	9.2	2.1	-8.7	503.8	330.9	99.9	99.9	28.6	76.
90.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 451  
DODGE CITY, KANSAS

9 MAY 1979  
1135 GMT

163 10. 0

TIME MIN	CNCT	HEIGHT GPM	PRES MU	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E PUF T DG K	WX REC GM/KG	RH PCT	RANGE KM	AZ DG
0.8	14.4	791.3	909.5	20.0	16.4	180.0	6.7	0.0	6.7	301.2	336.2	13.1	80.0	0.0	0.
0.9	9.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.9	99.9	975.0	99.9	93.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	9.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	15.4	881.2	903.0	19.8	99.9	182.7	11.9	0.6	11.8	302.0	99.9	99.9	99.9	0.4	1.
1.3	19.2	1122.1	975.0	17.9	99.9	191.5	14.6	2.9	16.3	302.4	99.9	99.9	99.9	1.0	4.
2.2	27.7	1368.7	950.0	16.0	99.9	203.7	16.7	6.7	15.3	303.7	99.9	99.9	99.9	1.9	10.
3.0	23.3	1621.4	825.0	15.1	99.9	212.0	19.3	10.2	16.4	304.5	99.9	99.9	99.9	2.7	16.
3.7	25.9	1907.4	800.0	14.2	99.9	218.1	19.5	12.1	13.4	306.3	99.9	99.9	99.9	3.5	20.
4.3	25.5	2187.1	775.0	12.4	99.9	224.9	18.0	12.7	12.7	307.1	99.9	99.9	99.9	4.2	24.
5.3	31.2	2420.5	750.0	10.9	99.9	224.9	17.5	12.4	12.4	308.4	99.9	99.9	99.9	5.1	28.
6.3	31.3	2731.4	725.0	7.0	99.9	211.5	17.7	9.2	15.1	316.0	99.9	99.9	99.9	6.1	30.
7.6	37.7	2993.5	700.0	11.7	99.9	203.6	22.6	9.1	20.8	315.5	99.9	99.9	99.9	7.7	29.
8.3	37.4	3276.3	675.0	9.8	99.9	203.4	24.5	9.7	22.5	316.7	99.9	99.9	99.9	9.4	28.
9.4	42.3	3627.6	650.0	7.2	99.9	203.0	25.6	10.0	23.5	317.1	99.9	99.9	99.9	10.9	27.
17.8	45.1	3924.3	625.0	4.3	99.9	202.2	26.4	10.0	24.4	317.4	99.9	99.9	99.9	12.5	27.
11.9	45.1	4254.2	600.0	1.6	99.9	200.3	27.1	9.4	25.4	319.0	99.9	99.9	99.9	14.1	26.
12.4	51.1	4597.6	575.0	-1.4	99.9	197.4	26.3	7.9	25.1	319.3	99.9	99.9	99.9	15.7	25.
13.9	54.3	4950.0	550.0	-5.0	99.9	196.6	27.0	7.7	25.9	318.2	99.9	99.9	99.9	17.4	25.
15.0	57.4	5313.4	525.0	-8.0	99.9	197.0	26.9	7.9	25.7	318.0	99.9	99.9	99.9	19.2	24.
16.2	65.6	5697.9	500.0	-11.2	99.9	201.7	27.5	10.1	25.6	319.6	99.9	99.9	99.9	21.1	23.
17.5	63.3	6081.2	475.0	-14.1	99.9	202.0	30.1	11.3	27.9	320.6	99.9	99.9	99.9	23.4	23.
19.1	67.3	6493.7	450.0	-16.3	99.9	197.2	30.7	9.1	29.3	322.7	99.9	99.9	99.9	26.4	23.
22.8	75.9	6917.1	425.0	-19.3	99.9	198.3	30.4	9.5	28.9	324.2	99.9	99.9	99.9	29.5	22.
22.5	74.4	7345.3	400.0	-22.2	99.9	205.4	29.5	12.7	26.7	326.2	99.9	99.9	99.9	32.3	22.
24.0	79.3	7856.4	375.0	-25.7	99.9	208.4	29.6	14.1	26.1	327.6	99.9	99.9	99.9	35.1	23.
25.7	82.2	8332.4	350.0	-29.5	99.9	208.3	32.0	15.2	28.2	329.0	99.9	99.9	99.9	38.1	23.
27.4	85.2	8855.3	325.0	-34.1	99.9	210.2	31.9	16.0	27.5	329.7	99.9	99.9	99.9	41.4	24.
29.4	92.2	9410.7	300.0	-37.0	99.9	216.1	29.5	17.3	23.8	330.9	99.9	99.9	99.9	45.0	24.
31.5	95.0	10030.7	275.0	-44.3	99.9	216.6	31.5	18.0	25.3	331.1	99.9	99.9	99.9	48.9	25.
34.7	97.7	10633.6	250.0	-49.3	99.9	220.0	32.1	20.7	24.6	332.8	99.9	99.9	99.9	52.7	26.
35.8	106.8	11315.5	225.0	-55.5	99.9	219.3	30.6	18.4	23.7	333.5	99.9	99.9	99.9	56.9	27.
38.1	110.2	12073.4	200.0	-61.9	99.9	218.4	34.0	21.1	26.6	335.0	99.9	99.9	99.9	60.9	28.
40.6	114.0	12893.1	175.0	-60.3	99.9	216.1	36.0	22.8	31.4	336.5	99.9	99.9	99.9	66.6	29.
43.6	122.5	13941.1	150.0	-60.1	99.9	218.2	31.5	19.5	20.8	336.6	99.9	99.9	99.9	73.5	30.
47.2	127.7	14981.5	125.0	-51.1	99.9	213.7	24.9	13.8	20.7	334.4	99.9	99.9	99.9	78.7	30.
51.3	134.0	16361.0	100.0	-61.3	99.9	219.1	21.2	13.7	16.9	429.2	99.9	99.9	99.9	85.7	31.
56.6	147.5	18159.3	75.0	-59.0	99.9	215.1	11.2	6.4	9.1	409.2	99.9	99.9	99.9	88.9	31.
63.5	158.0	20734.3	50.0	-54.6	99.9	242.6	6.4	5.7	3.0	514.3	99.9	99.9	99.9	91.9	31.
71.9	168.3	25223.0	25.0	-49.4	99.9	293.7	7.7	7.0	-3.1	643.2	99.9	99.9	99.9	94.4	31.

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





STATION NO. 451  
DODGE CITY, KANSAS

9 MAY 1979  
1705 GMT

TIME MIN	CNCT	HEIGHT GPH	PRES HG	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 CM/KC	RH PCY	RANGE KM	AZ DG
0.0	14.5	791.0	914.3	10.0	8.4	340.0	7.7	2.6	-7.2	290.5	310.5	7.6	93.0	0.0	0.
0.5	9.7	99.9	1070.0	9.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
1.0	9.9	99.9	975.0	9.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
1.5	9.9	99.9	953.0	9.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
2.0	15.7	921.6	920.0	7.4	7.4	347.0	6.1	1.8	-7.9	289.2	308.0	7.2	99.7	0.6	155.
2.5	19.4	1153.9	875.0	7.9	7.9	310.4	4.1	2.8	-3.0	292.0	312.4	7.7	99.8	0.7	160.
3.0	21.0	1396.2	850.0	12.7	12.6	218.9	5.7	3.6	4.4	259.5	326.6	10.9	98.9	0.6	153.
3.5	23.6	1447.5	825.0	12.2	11.9	207.7	10.1	4.7	6.9	301.5	330.3	10.7	98.0	0.6	110.
4.0	26.2	1717.1	800.0	11.3	10.8	208.3	12.8	5.7	11.5	303.2	331.3	10.3	96.9	0.6	64.
4.5	28.4	2171.1	775.0	9.8	9.5	209.5	13.3	6.4	11.6	306.4	331.0	9.7	97.6	1.5	49.
5.0	31.4	2443.3	750.0	8.9	-8.6	207.8	11.3	9.3	10.0	306.2	318.3	2.7	28.8	2.2	43.
5.5	34.1	2723.2	725.0	7.7	-11.7	199.3	10.2	4.2	9.3	309.0	315.5	2.2	23.7	2.8	39.
6.0	35.7	3111.3	700.0	6.1	-10.4	192.7	11.9	3.9	11.3	309.3	315.8	2.5	20.4	3.4	35.
6.5	37.8	3303.5	675.0	4.8	-15.4	198.6	16.2	5.2	15.4	311.1	316.4	1.7	21.3	4.1	32.
7.0	42.6	3615.3	650.0	3.7	-22.4	202.8	20.9	8.1	19.2	313.1	316.3	1.0	12.9	5.3	30.
7.5	47.5	3933.7	625.0	2.4	-31.4	192.7	25.6	8.6	24.1	315.2	316.7	0.4	6.0	6.9	28.
8.0	51.5	4261.0	600.0	-0.1	-31.6	197.6	28.9	8.7	27.6	316.0	317.8	0.5	8.7	8.7	26.
8.5	55.4	4603.2	575.0	-2.3	-32.2	198.9	32.2	10.5	30.5	317.3	318.9	0.4	8.0	10.9	24.
9.0	57.8	4751.1	550.0	-5.2	-30.7	197.5	32.9	9.9	31.4	318.0	318.9	0.3	5.3	13.2	23.
9.5	61.0	5318.4	525.0	-7.9	-32.3	194.0	33.7	8.1	32.7	318.9	319.6	0.2	4.3	15.8	22.
10.0	64.6	6362.7	475.0	-13.8	-52.7	193.8	33.8	8.0	32.0	319.1	319.3	0.1	1.7	18.4	21.
10.5	67.9	6493.9	450.0	-17.3	-40.3	190.0	34.2	9.4	32.9	320.8	321.5	0.2	7.1	21.1	20.
11.0	71.4	6417.0	425.0	-20.6	-28.2	202.7	33.4	12.9	30.8	322.6	325.6	0.9	50.4	27.0	20.
11.5	75.0	7362.7	400.0	-23.4	-22.1	203.3	36.5	14.4	33.5	324.6	326.9	0.6	46.4	30.3	20.
12.0	79.9	7432.1	375.0	-26.7	-44.0	204.8	34.0	14.3	30.9	326.2	327.0	0.2	17.6	33.6	21.
12.5	82.7	8326.7	350.0	-30.6	-55.3	208.1	36.6	17.2	32.3	327.5	327.7	0.1	6.8	37.2	21.
13.0	85.9	8854.2	325.0	-34.8	-82.0	208.9	37.7	18.2	33.0	328.7	328.8	0.0	4.3	40.7	22.
13.5	91.0	9400.4	300.0	-39.9	-61.4	211.5	36.0	18.8	30.7	329.2	329.3	0.0	7.9	44.6	23.
14.0	97.6	9490.1	275.0	-44.6	-99.9	212.4	38.6	20.7	32.6	330.7	330.9	99.9	999.9	48.9	23.
14.5	102.3	10622.9	250.0	-48.9	99.9	217.2	32.5	19.7	25.9	333.4	333.4	99.9	999.9	52.8	24.
15.0	105.4	11308.6	225.0	-55.3	99.9	210.0	41.69	20.8	36.0	333.8	333.8	99.9	999.9	57.8	25.
15.5	112.8	12745.5	200.0	-61.2	99.9	212.0	34.28	18.1	29.0	335.9	335.9	99.9	999.9	63.3	25.
16.0	116.5	12064.0	175.0	-65.3	99.9	220.7	37.88	24.7	28.7	342.1	342.1	99.9	999.9	68.6	26.
16.5	123.0	13826.0	150.0	-58.0	99.9	213.0	31.26	17.0	26.2	370.2	370.2	99.9	999.9	74.6	27.
17.0	133.0	14900.2	125.0	-59.3	99.9	215.9	29.74	17.4	24.1	387.4	387.4	99.9	999.9	80.6	28.
17.5	134.3	16340.4	100.0	-60.2	99.9	216.2	21.96	12.9	17.6	411.4	411.4	99.9	999.9	86.5	28.
18.0	147.0	18188.5	75.0	-59.7	99.9	204.3	10.9	4.5	9.9	444.8	444.8	99.9	999.9	89.6	28.
18.5	156.7	20721.2	50.0	-55.3	99.9	159.1	6.7	-2.4	6.3	513.3	513.3	99.9	999.9	93.5	28.
19.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9

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



STATION NO. 45:  
DOODGE CITY, KANSAS

9 MAY 1979  
2315 GMT

192 20. 0

TIME MI.	CNTCT	HEIGHT GPM	PMS MB	TEMP UC C	JEB PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUF Y DC K	E POT Y DC K	MR RYO GM/KG	RM PCT	RANGE KM	AZ DC
0.0	15.3	791.3	912.7	11.1	7.9	30.0	11.3	-5.6	-9.8	291.8	311.1	7.3	81.0	0.0	0
00.9	96.9	99.9	1000.0	99.9	99.3	99.9	99.9	99.9	99.9	99.2	999.9	99.9	999.9	999.9	999
04.9	96.9	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
09.9	96.9	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
09.9	94.9	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
04	15.5	407.7	922.0	8.7	7.9	99.9	99.9	99.9	99.9	290.5	310.1	7.5	99.9	999.9	999
1.2	15.9	1160.5	975.0	7.0	7.0	99.9	99.9	99.9	99.9	291.1	310.1	7.2	100.2	999.9	999
1.9	21.6	1330.3	850.0	16.6	14.5	99.9	99.9	99.9	99.9	301.4	334.6	12.4	99.4	1.5	223
2.7	23.8	1530.3	825.0	18.3	14.2	130.5	13.5	-10.3	8.8	303.8	337.6	12.5	99.4	1.7	238
3.5	25.3	1497.5	833.0	18.0	13.9	149.7	18.5	-8.3	14.2	306.1	340.5	12.6	99.3	2.0	261
4.5	27.1	2165.5	775.0	12.7	11.5	159.8	18.0	-6.5	16.8	307.5	338.3	11.1	92.1	2.4	283
5.3	31.4	2181.5	750.0	11.5	9.6	163.0	17.9	-5.2	17.1	309.1	337.4	10.1	88.4	3.0	299
6.2	34.0	2247.7	725.0	9.4	6.8	168.5	16.7	-3.3	16.3	309.8	337.6	9.9	99.2	3.7	309
7.1	36.7	3115.9	700.0	7.8	7.6	173.8	16.9	-1.8	16.8	311.2	337.8	9.4	94.2	4.4	317
8.1	38.6	3115.1	675.0	5.0	4.2	183.3	15.9	0.1	19.9	311.3	333.3	7.7	94.5	5.2	328
9.2	42.2	3222.9	650.0	3.1	1.9	184.4	23.7	1.8	23.6	312.4	332.1	6.8	92.1	6.2	331
10.4	45.7	3487.1	625.0	0.9	-0.7	190.9	26.8	2.8	26.6	313.5	330.4	5.8	87.7	7.4	337
11.4	47.9	4251.1	600.0	-1.5	-4.1	190.0	27.8	4.8	27.4	314.4	328.5	4.7	82.3	8.8	342
11.9	51.1	4626.1	575.0	-3.9	-5.9	195.2	30.0	7.8	28.9	315.5	328.5	4.3	85.2	10.2	347
12.9	53.1	4955.3	550.0	-6.6	-6.9	198.6	31.8	10.8	32.0	316.3	328.9	4.1	57.2	12.1	352
13.9	57.6	5117.5	525.0	-9.5	-11.3	201.3	38.3	13.9	35.7	317.0	326.5	3.1	46.6	14.1	356
15.3	59.9	5692.4	500.0	-12.5	-16.2	203.1	41.1	16.1	37.8	317.8	324.7	2.2	73.5	16.5	3
16.6	61.1	6253.7	475.0	-13.3	-15.0	207.3	40.1	18.4	35.6	321.5	329.4	2.5	87.1	19.7	4
17.7	67.4	6498.9	450.0	-15.4	-17.2	218.5	39.5	22.4	32.6	323.9	331.0	2.2	89.9	22.5	8
18.2	69.6	6623.5	425.0	-18.3	-22.5	219.4	39.7	24.6	30.0	325.6	330.5	1.5	64.6	25.1	11
21.2	73.8	7173.7	400.0	-21.5	-26.4	218.0	38.6	22.5	20.9	327.1	332.9	1.1	64.1	27.5	14
23.6	77.9	7486.4	375.0	-24.5	-29.9	211.8	38.5	20.6	33.6	329.1	332.3	0.9	64.2	30.1	18
27.6	82.9	3346.4	350.0	-28.6	-34.0	213.0	38.2	19.7	30.4	330.1	332.3	0.6	59.7	32.4	17
28.7	84.9	5971.1	325.0	-32.9	-38.7	213.2	35.0	19.2	29.3	331.4	332.9	0.4	55.4	36.9	16
29.7	89.7	9427.1	300.0	-37.1	-43.2	217.7	35.0	21.4	27.7	333.1	336.1	0.3	52.8	37.9	19
29.9	93.2	10243.7	275.0	-42.6	-49.9	223.6	34.2	23.6	24.8	333.5	999.9	99.9	999.9	41.2	21
29.9	97.9	12056.9	250.0	-48.0	-54.9	218.7	43.1	27.0	33.7	336.7	999.9	99.9	999.9	44.5	23
37.6	132.8	11346.9	225.0	-54.2	-60.9	221.2	48.5	32.0	38.5	335.5	999.9	99.9	999.9	49.5	25
31.7	134.3	12330.5	200.0	-59.7	-66.9	218.7	49.3	30.8	38.5	338.3	999.9	99.9	999.9	53.4	26
34.9	113.9	12922.5	175.0	-61.9	-69.9	213.0	49.1	26.8	41.2	337.7	999.9	99.9	999.9	61.9	27
37.6	20.0	13470.2	150.0	-64.0	-69.9	220.7	49.3	29.5	34.3	339.8	999.9	99.9	999.9	68.7	28
40.7	27.0	15037.4	125.0	-65.7	-69.9	225.9	24.3	17.5	16.9	394.2	999.9	99.9	999.9	78.0	30
44.0	135.0	14112.1	100.0	-59.5	-69.9	206.9	24.2	10.9	21.4	412.8	999.9	99.9	999.9	81.3	30
49.9	146.0	19211.7	75.0	-59.3	-69.9	178.3	12.8	-0.4	12.8	448.6	999.9	99.9	999.9	86.9	30
55.2	158.0	23776.2	50.0	-55.2	-69.9	193.0	6.7	1.7	6.5	513.5	999.9	99.9	999.9	87.7	30
64.5	164.0	25246.1	25.0	-49.3	-69.9	214.5	1.7	1.0	1.4	643.0	999.9	99.9	999.9	88.8	30

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

STATION NO. 451  
DODGE CITY, KANSAS  
10 MAY 1979  
205 GMT

116 120. 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	RM PCT	RANGE AZ KN	OG
0.0	15.4	791.0	912.7	5.9	5.9	20.0	7.7	-2.6	-7.2	266.4	303.1	0.4	99.9	0.0	0.
00.0	91.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.0	92.0	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

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

STATION NO. 451  
DODGE CITY, KANSAS

10 MAY 1979  
055 GMT

138 50. 0

TIME MIN	CNCTY	HEIGHT M	PRES MB	TEMP C	DEW PT C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.2	14.7	791.0	915.9	5.6	4.6	20.0	12.9	-6.4	-12.1	285.9	301.0	5.8	53.0	0.0	0.
4.0	94.3	99.2	1020.0	99.9	94.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
6.0	94.9	99.3	975.0	99.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
9.0	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
12.0	14.2	94.9	925.0	99.9	94.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
15.0	14.2	93.2	933.0	99.9	93.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
18.0	14.6	110.2	875.0	2.1	2.1	15.5	16.5	-2.4	-18.9	285.7	300.6	5.7	101.0	0.7	187.
21.0	21.1	137.4	852.0	7.6	7.6	52.7	11.4	-9.0	-8.9	280.1	316.7	7.7	99.7	1.9	194.
24.0	21.6	163.5	823.0	8.5	8.5	112.6	11.7	-10.8	4.5	297.6	320.5	8.5	99.8	2.1	207.
27.0	26.1	181.6	800.0	10.4	10.3	133.0	18.7	-12.2	11.4	332.2	329.2	9.9	99.7	2.1	225.
30.0	24.7	210.2	775.0	9.4	9.4	150.0	15.4	-7.7	13.3	368.0	330.4	9.6	99.6	2.2	247.
33.0	31.2	233.1	753.0	9.2	8.1	174.6	14.5	-1.4	14.4	336.6	331.8	9.1	92.6	2.2	263.
36.0	33.2	272.3	725.0	7.6	7.2	188.4	16.2	2.4	16.0	337.8	332.6	6.8	97.0	2.2	283.
39.0	36.5	330.7	703.0	5.9	5.7	198.9	16.3	5.3	15.4	339.1	332.5	6.3	98.7	2.3	302.
42.0	44.3	330.7	675.0	4.2	4.0	209.8	17.5	4.7	15.2	310.4	332.1	7.6	99.8	2.6	320.
45.0	42.1	381.4	650.0	1.9	1.6	218.7	20.9	13.1	16.3	311.1	332.3	6.7	99.2	3.1	343.
48.0	44.3	327.9	625.0	-0.4	-2.0	219.5	23.7	15.1	16.3	312.0	327.6	5.3	94.1	3.8	357.
51.0	47.9	425.7	600.0	-7.7	-3.2	219.8	25.8	16.5	19.8	313.1	327.9	5.0	95.9	4.7	37.
54.0	52.9	452.3	575.0	-5.1	-10.5	218.3	29.0	18.0	22.8	314.0	323.1	3.0	65.6	6.2	15.
57.0	51.4	474.0	553.0	-7.5	-20.2	220.2	31.2	20.2	23.9	315.2	319.7	1.4	35.6	7.7	20.
60.0	56.8	530.4	525.0	-9.3	-55.4	225.8	34.3	23.6	24.8	317.3	317.5	0.0	1.0	9.2	23.
63.0	52.9	567.2	503.0	-10.2	-56.4	225.5	36.5	26.1	25.6	320.6	320.7	0.0	1.0	11.0	27.
66.0	61.1	617.1	475.0	-12.7	-53.0	221.2	38.4	25.3	28.9	322.2	322.4	0.0	1.0	13.1	30.
69.0	67.5	641.1	453.0	-15.0	-50.4	216.2	38.7	22.8	18.2	326.4	324.5	0.0	1.0	15.3	31.
72.0	69.9	693.7	425.0	-18.2	-61.5	213.3	40.4	22.2	33.8	325.6	325.7	0.0	1.0	17.8	32.
75.0	73.4	730.6	403.0	-27.1	-40.2	215.1	39.7	22.9	32.5	326.3	317.4	0.3	19.2	23.7	32.
78.0	77.1	783.9	375.0	-26.5	-33.6	219.1	41.7	26.3	32.4	326.5	326.5	0.6	49.8	23.6	33.
81.0	80.2	832.4	350.0	-30.3	-33.6	219.1	42.8	27.0	33.2	327.9	330.1	0.6	73.0	28.4	33.
84.0	84.9	894.2	325.0	-33.4	-36.7	214.2	36.8	20.7	30.4	330.7	332.5	0.5	71.8	29.3	34.
87.0	84.2	940.4	303.0	-36.1	-40.3	208.3	35.9	15.9	32.2	314.5	335.9	0.4	65.1	32.9	33.
90.0	84.6	1000.7	275.0	-40.7	-49.9	199.6	32.1	10.8	38.3	336.3	999.9	99.9	94.8	36.5	32.
93.0	84.3	1064.9	250.0	-45.9	-49.9	193.8	37.3	6.9	36.2	337.9	999.9	99.9	99.9	40.6	31.
96.0	103.0	1130.0	225.0	-51.7	-49.9	166.1	40.8	4.3	40.6	339.3	999.9	99.9	99.9	46.5	29.
99.0	104.4	1203.3	203.0	-58.9	-49.9	165.4	38.2	3.6	38.1	339.6	999.9	99.9	99.9	48.6	27.
102.0	114.3	1217.7	175.0	-66.1	-49.9	168.6	44.1	6.6	43.6	340.8	999.9	99.9	99.9	52.7	25.
105.0	123.5	1304.3	150.0	-69.1	-49.9	204.6	39.0	16.2	35.5	351.0	999.9	99.9	99.9	57.7	24.
108.0	127.5	1401.8	125.0	-61.8	-49.9	214.3	28.9	16.9	24.7	349.4	999.9	99.9	99.9	64.4	23.
111.0	132.7	1437.5	100.0	-59.1	-49.9	218.9	18.8	9.6	13.8	413.6	999.9	99.9	99.9	68.4	23.
114.0	140.3	1413.9	75.0	-60.7	-49.9	999.9	99.9	99.9	99.9	483.6	999.9	99.9	99.9	80.8	26.
117.0	146.9	96.9	50.0	-49.9	-49.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
120.0	149.9	99.9	25.0	-49.9	-49.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9

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

STATION NO. 451  
ODDGE CITY, KANSAS

16 MAY 005 GMT 1979

190 21. 0

TIME MIN	CHCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEL	V COMP M/SEC	POT T DG K	E POT T DG K	ME RTD GM/KG	RM PCT	RANGE KM	AZ DG
0-2	14-0	791.0	917.5	4.4	3.4	350.0	11.3	2.0	-11.1	264.5	299.4	5.3	93.0	0.0	0.
0-9	14-0	97.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-9	14-0	97.9	973.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-9	14-0	97.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-9	14-0	97.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-9	14-0	97.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1-3	18-9	1175.4	675.0	1.3	1.3	1.1	12.4	-0.2	-12.4	265.1	297.9	4.8	100.5	1.0	179.
2-0	21-4	1410.7	650.0	6.5	6.5	352.1	10.3	1.4	-10.2	293.0	312.1	7.2	100.2	1.6	180.
2-4	23-8	1637.1	625.0	7.8	-0.4	324.5	11.1	6.4	-9.0	296.9	309.0	4.7	58.6	2.6	175.
3-4	24-3	1910.8	600.0	7.5	-4.1	311.0	12.0	9.7	-8.4	292.2	309.2	3.5	43.5	2.6	165.
4-7	24-6	2172.6	570.0	7.4	-0.3	308.6	11.7	9.1	-7.3	301.8	315.4	4.8	58.1	3.2	157.
5-6	31-6	2491.7	530.0	5.4	3.9	284.7	7.2	7.0	-1.8	302.4	321.3	6.8	90.4	3.7	154.
6-5	34-1	2719.7	475.0	5.9	5.8	223.9	7.8	5.4	5.7	303.9	328.4	8.8	99.4	3.7	149.
7-4	34-8	3037.4	400.0	4.5	4.4	220.9	13.6	6.9	10.3	307.4	328.7	7.5	99.4	3.6	138.
8-7	34-6	3333.5	375.0	2.8	0.7	213.2	19.8	10.8	16.5	308.8	326.1	6.0	86.1	3.5	120.
10-2	42-2	3671.9	350.0	1.3	-0.4	207.9	24.9	11.6	22.0	310.4	326.5	5.6	85.9	4.0	98.
11-2	44-1	3923.8	325.0	-0.7	-4.9	202.5	29.2	13.4	25.9	311.6	326.1	4.3	73.7	5.0	73.
12-2	44-0	4239.0	300.0	-2.6	-13.9	204.2	33.2	13.6	30.3	313.2	320.0	2.2	41.6	6.4	61.
13-2	51-0	4577.7	275.0	-5.1	-18.4	233.7	35.2	14.1	32.2	314.3	320.8	2.2	45.1	8.2	52.
14-3	54-0	4933.1	250.0	-7.7	-19.2	206.4	34.5	15.3	30.8	315.3	319.8	1.5	38.8	10.3	46.
15-4	57-1	5244.6	225.0	-13.1	-36.4	212.1	34.9	18.5	29.5	316.3	317.7	0.4	11.4	12.5	43.
16-6	62-3	5629.0	200.0	-11.0	-36.4	216.5	37.6	22.4	30.2	319.6	319.7	0.0	1.0	15.0	42.
17-4	63-5	5981.7	175.0	-12.5	-37.8	215.7	34.4	21.2	29.5	322.5	322.7	0.0	1.0	17.7	41.
18-1	64-6	6472.5	150.0	-15.1	-39.5	212.7	37.0	20.0	31.1	324.3	324.4	0.0	1.0	20.5	40.
19-1	64-6	6872.5	125.0	-18.1	-61.5	211.5	38.8	20.2	33.1	325.7	325.8	0.0	1.0	23.7	39.
20-5	70-3	7321.7	100.0	-18.1	-61.5	209.1	36.3	17.7	31.7	327.5	327.6	0.0	1.0	27.0	38.
21-7	77-4	7824.5	75.0	-21.2	-63.4	208.0	38.0	17.8	33.6	328.0	328.1	0.0	1.0	30.7	37.
23-1	81-3	8329.5	50.0	-23.8	-69.0	208.9	34.9	19.1	32.8	328.6	328.7	0.0	1.0	34.6	36.
25-1	85-2	8855.2	25.0	-32.7	-71.0	209.0	40.1	19.4	35.1	331.6	331.6	0.0	1.0	38.5	35.
26-0	87-3	9439.5	0.0	-36.6	-73.5	207.9	42.0	19.6	37.1	333.8	333.8	0.0	1.0	42.7	34.
27-5	91-6	10027.9	275.0	-43.3	99.9	205.0	35.9	15.7	32.5	336.9	336.9	99.9	99.9	47.2	34.
30-4	98-6	13645.6	253.0	-45.8	99.9	202.1	33.5	13.6	31.1	338.0	338.0	99.9	99.9	51.5	33.
33-2	103-6	11337.7	225.0	-51.7	99.9	201.4	37.0	13.5	34.4	339.2	339.2	99.9	99.9	56.4	32.
37-6	108-6	12300.7	200.0	-54.1	99.9	194.8	32.3	8.2	31.2	340.0	340.0	99.9	99.9	61.6	31.
40-0	114-3	12417.1	175.0	-64.1	99.9	195.1	32.2	8.4	31.0	340.9	340.9	99.9	99.9	66.0	30.
42-6	123-5	13444.4	150.0	-72.0	99.9	206.4	36.3	17.7	35.7	348.1	348.1	99.9	99.9	70.8	29.
45-6	127-5	14338.0	125.0	-58.5	99.9	214.9	36.7	21.0	38.1	358.1	358.1	99.9	99.9	78.2	28.
49-6	135-3	16350.9	100.0	-55.1	99.9	224.9	24.9	17.6	17.7	421.3	421.3	99.9	99.9	83.6	30.
54-6	144-3	18156.8	75.0	-59.6	99.9	218.6	12.7	7.9	19.9	448.1	448.1	99.9	99.9	91.8	31.
60-9	154-5	20673.3	50.0	-56.3	99.9	114.3	9.5	-8.7	3.9	510.8	510.8	99.9	99.9	93.9	30.
71-5	165-0	25174.5	25.0	-51.1	99.9	202.1	5.6	-1.2	-1.2	637.7	637.7	99.9	99.9	92.0	31.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE 0M TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 456  
TOPEKA, KANSAS

9 MAY 1979  
1105 GMT

135 16.0

TIME MIN	CNTY	WEIGHT GPM	PHES MM	TEMP DG C	DEW PT DG C	DIR DJ	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR STD GM/SEC	RM PCT	RANGE KM	AZ DG
00	00	200.0	971.0	20.0	16.6	150.0	5.7	-2.9	6.9	235.6	320.0	12.4	61.0	0.0	0.
00	00	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
02	00	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
05	10	601.2	650.0	20.3	16.5	173.1	16.0	-1.9	15.9	297.8	331.7	12.9	80.7	0.5	100.
13	12	681.7	925.0	18.6	16.5	193.7	21.2	1.4	21.2	237.5	332.7	12.9	86.5	1.3	351.
21	15	927.6	900.0	17.9	15.6	197.3	26.3	7.8	25.1	300.0	333.3	12.5	86.2	2.4	1.
31	17	1108.9	875.0	16.4	14.1	204.0	28.9	11.8	26.4	309.8	332.2	11.4	92.1	5.2	14.
38	20	1415.7	850.0	14.6	13.1	207.8	30.3	14.2	26.8	301.4	332.2	11.4	92.1	5.2	14.
46	22	1638.7	825.0	14.9	9.2	113.3	27.4	15.3	23.3	303.3	327.6	9.5	66.2	0.6	10.
57	23	1933.3	800.0	17.2	-8.1	211.9	28.0	14.8	23.6	309.5	317.6	2.6	16.9	8.3	21.
67	27	2272.1	775.0	18.9	-16.3	211.7	31.9	16.5	27.2	319.1	315.1	0.3	1.6	18.1	23.
77	30	2681.7	750.0	16.9	-10.2	211.7	28.1	16.8	23.9	315.0	316.6	0.4	2.6	12.0	26.
84	32	2769.9	725.0	14.5	-19.1	213.7	27.1	14.9	22.6	315.4	319.2	1.2	6.1	13.6	25.
93	33	3063.7	700.0	14.5	-23.5	214.2	29.5	15.6	24.4	316.3	319.7	0.8	6.3	15.5	26.
109	35	3366.4	675.0	9.4	-21.3	213.5	26.3	16.2	24.4	316.2	319.7	1.1	6.7	17.3	27.
120	37	3677.6	650.0	6.6	-17.4	213.0	27.0	15.0	23.2	316.6	321.5	1.5	15.0	19.1	28.
131	40	3977.7	625.0	3.7	-16.2	212.6	28.3	15.4	23.9	316.7	322.2	1.7	21.7	21.0	28.
144	43	4277.5	600.0	0.8	-13.6	212.6	28.9	13.4	21.0	317.1	324.1	2.2	33.0	23.0	29.
154	44	4577.5	575.0	-2.4	-11.9	215.1	23.7	13.4	19.4	317.1	324.3	2.3	41.0	24.7	29.
164	42	5014.1	550.0	-5.0	-13.7	215.0	25.8	14.8	21.1	317.2	326.7	2.4	53.4	26.6	29.
171	45	5381.0	525.0	-8.6	-20.2	213.0	22.1	12.3	18.4	318.1	323.0	1.5	39.4	28.6	30.
175	43	5537.4	500.0	-11.1	-20.1	197.9	15.6	5.3	14.7	319.3	319.7	0.1	3.8	30.0	30.
204	61	6194.4	475.0	-14.9	-22.4	197.6	17.0	3.1	16.2	319.6	321.6	0.5	20.8	31.2	29.
225	65	6555.5	450.0	-17.0	-10.7	205.3	20.4	6.7	16.4	321.9	322.0	0.0	1.0	33.1	29.
242	69	6981.9	425.0	-20.3	-13.9	201.2	15.8	7.2	16.5	323.0	323.2	0.1	3.2	35.0	28.
260	71	7427.0	400.0	-23.9	-65.2	202.6	21.5	7.6	20.2	323.9	323.9	0.0	1.0	37.3	28.
277	73	7865.3	375.0	-27.4	-67.6	208.2	19.9	9.4	17.5	325.4	325.4	0.0	2.0	37.5	28.
296	75	8387.9	350.0	-31.0	-64.8	213.4	22.1	12.2	18.5	327.0	327.1	0.0	6.1	41.8	28.
315	82	8709.2	325.0	-34.7	-73.3	219.6	22.1	13.1	18.4	328.8	329.0	0.0	6.1	44.4	28.
335	79	9025.5	300.0	-38.7	-73.3	219.6	22.6	14.1	17.7	329.5	329.9	19.9	99.9	48.8	29.
354	74	9352.0	275.0	-44.1	-99.9	221.6	19.2	12.8	14.4	331.3	329.9	99.9	99.9	49.5	29.
374	55	10695.1	250.0	-48.7	-99.9	223.5	17.4	12.3	13.0	333.6	329.9	99.9	99.9	51.8	30.
411	17	11198.5	225.0	-54.6	-99.9	225.1	17.5	12.4	12.3	334.9	329.9	99.9	99.9	54.3	31.
429	15	12112.7	200.0	-60.2	-99.9	212.8	18.0	10.1	15.6	337.5	329.9	99.9	99.9	56.9	31.
459	11	13131.4	175.0	-64.6	-99.9	227.5	21.3	13.7	14.4	343.4	329.9	99.9	99.9	60.7	31.
494	11	13721.1	150.0	-60.8	-99.9	229.3	20.9	15.8	13.6	365.4	329.9	99.9	99.9	64.4	31.
534	12	14222.7	125.0	-61.1	-99.9	228.1	23.2	17.3	15.5	359.3	329.9	99.9	99.9	70.2	34.
595	13	16404.5	100.0	-61.1	-99.9	223.4	18.8	12.9	13.7	405.0	329.9	99.9	99.9	76.4	35.
645	16	18149.0	75.0	-61.7	-99.9	220.4	14.9	9.7	11.4	443.6	329.9	99.9	99.9	82.1	36.
721	13	20788.0	50.0	-58.7	-99.9	218.9	5.7	3.5	4.4	516.6	329.9	99.9	99.9	86.3	36.
856	11	25252.7	25.0	-58.5	-99.9	340.2	9.3	3.2	-8.8	648.1	329.9	99.9	99.9	84.6	34.

6 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 16 DEG  
 5 BY TEMP MEANS TEMPERATURE UP TIME HAVE BEEN INTERPOLATED  
 49 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 456  
TOPEKA, KANSAS

9 MAY 1979  
1405 GMT

161 9. 0

TIME MIN	CNTCT	HEIGHT GPN	PHES 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	L POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.4	268.0	976.3	21.1	17.3	190.0	4.6	0.0	4.5	276.5	330.3	12.9	79.0	0.0	0.
99.9	94.2	94.9	1000.0	94.9	99.9	94.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
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	999.9
0.7	10.5	487.4	950.0	20.5	17.4	203.4	11.8	4.7	10.1	298.6	333.1	13.3	82.7	0.5	15.
1.5	12.9	717.4	925.0	18.8	17.1	205.5	14.5	6.2	13.0	298.6	333.9	13.4	89.6	1.0	21.
2.2	15.3	953.2	903.0	16.6	16.1	206.8	17.1	7.7	15.3	298.7	332.8	12.9	96.5	1.7	23.
2.9	17.6	1193.2	875.0	14.7	14.3	209.4	18.8	9.2	16.4	299.1	330.6	11.8	97.3	2.5	24.
3.6	20.1	1439.5	850.0	12.7	11.4	212.3	21.5	11.5	18.2	299.5	327.1	10.3	94.2	3.3	26.
4.3	22.5	1689.4	825.0	11.1	10.3	211.9	23.0	12.2	19.6	300.7	326.7	9.6	92.7	4.3	28.
5.0	25.0	1946.4	800.0	10.2	8.5	208.8	22.3	10.8	19.6	302.0	326.0	8.8	89.7	5.2	29.
5.8	27.6	2209.6	775.0	10.2	-27.6	203.4	25.5	10.1	23.4	304.9	308.9	1.4	16.8	5.3	28.
6.8	30.2	2496.6	750.0	15.0	-40.7	205.7	28.2	12.2	25.4	312.9	313.4	0.1	1.0	7.9	27.
7.7	32.7	2770.5	725.0	14.4	-41.1	204.4	29.0	13.0	25.5	315.3	315.8	0.1	1.0	9.5	27.
8.4	35.3	3069.2	700.0	12.5	-42.3	207.8	28.6	13.3	25.3	316.3	316.8	0.1	1.0	11.4	27.
9.1	38.0	3368.1	675.0	10.0	-43.8	202.9	27.3	10.8	25.6	317.2	317.2	0.1	1.0	13.5	27.
11.5	40.9	3693.1	650.0	7.7	-45.2	199.3	27.1	9.0	25.8	317.7	318.1	0.1	1.0	15.9	26.
12.7	43.4	4003.9	625.0	4.6	-42.5	201.0	26.1	9.7	25.3	317.7	318.3	0.1	1.0	17.8	25.
13.3	45.3	4311.3	600.0	1.4	-40.6	202.5	24.8	9.5	22.9	317.8	318.8	0.3	3.9	19.7	25.
15.1	47.2	4571.5	575.0	-1.7	-29.0	204.2	23.7	9.7	21.7	318.0	320.0	0.4	10.3	21.4	25.
16.2	50.1	5322.7	550.0	-5.3	-24.2	204.6	23.6	9.8	21.5	317.8	321.0	1.0	21.0	23.1	25.
17.4	52.2	5387.7	525.0	-8.9	-19.4	204.7	23.7	9.9	21.5	317.8	322.8	1.6	42.0	25.0	25.
19.2	54.3	5761.5	500.0	-11.5	-17.2	195.8	21.9	6.4	21.0	319.0	319.2	0.0	1.0	26.9	25.
20.5	61.5	6152.7	475.0	-14.4	-19.1	186.6	21.1	2.4	20.9	320.1	320.2	0.0	1.0	28.8	24.
22.3	64.7	6509.6	450.0	-16.6	-20.5	187.8	21.5	2.9	21.3	322.3	323.4	0.0	1.0	31.0	22.
24.1	68.1	6787.4	425.0	-19.8	-22.2	192.2	21.2	4.5	20.7	323.6	323.7	0.0	1.0	33.1	22.
25.8	71.6	7435.2	400.0	-22.1	-24.0	197.6	20.9	6.3	19.9	326.3	326.4	0.0	1.0	35.3	21.
27.5	75.1	7705.5	375.0	-25.3	-26.1	207.3	20.5	9.4	18.2	328.1	328.2	0.0	1.0	37.5	21.
29.2	78.9	8432.7	350.0	-27.6	-28.7	220.4	21.9	14.2	16.7	328.8	328.9	0.0	1.0	39.5	22.
31.3	82.7	8927.4	325.0	-31.8	-31.7	227.6	22.8	16.8	15.4	330.2	330.2	0.0	1.0	41.8	22.
33.2	86.4	9482.3	300.0	-37.1	-39.9	233.0	19.3	15.5	11.5	330.3	330.3	99.9	999.9	44.3	23.
35.9	91.0	10077.7	275.0	-43.9	-47.1	238.9	21.1	15.9	13.8	331.7	331.7	99.9	999.9	47.1	21.
38.7	95.5	10707.2	250.0	-48.2	-53.9	246.7	19.8	14.4	13.6	334.4	334.4	99.9	999.9	50.3	28.
41.3	100.2	11392.9	225.0	-53.8	-61.9	244.3	22.5	15.7	16.1	336.1	336.1	99.9	999.9	53.5	29.
43.4	105.3	12138.9	200.0	-60.4	-71.7	216.9	19.8	11.9	15.8	337.2	337.2	99.9	999.9	56.5	30.
46.9	113.8	12982.3	175.0	-62.8	-83.9	230.3	22.7	17.5	14.5	346.3	346.3	99.9	999.9	60.3	30.
50.3	116.8	13923.2	150.0	-60.2	-99.9	215.1	24.7	18.3	20.4	366.3	366.3	99.9	999.9	64.8	32.
54.4	123.7	15061.5	125.0	-60.4	-99.9	227.3	2.2	18.4	17.3	385.8	385.8	99.9	999.9	70.4	32.
59.4	131.3	16483.2	100.0	-62.8	-99.9	237.3	15.8	10.7	10.7	406.4	406.4	99.9	999.9	75.8	33.
65.3	140.0	18225.4	75.0	-59.5	-99.9	223.7	15.7	11.3	11.3	450.4	450.4	99.9	999.9	81.6	36.
73.6	150.3	20409.3	50.0	-54.6	-99.9	154.0	5.8	-2.6	5.3	514.9	514.9	99.9	999.9	85.6	36.
86.6	161.3	25304.4	25.0	-48.7	-99.9	273.5	6.2	6.2	-0.4	645.1	645.1	98.0	98.0	84.7	36.

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

STATION NO. 456  
TOPEKA, KANSAS

9 MAY 1979  
1705 GMT

168 14. 0

TIME MIN	CMTCT	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 JG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.3	269.0	973.7	25.0	17.2	190.0	6.8	1.5	8.7	300.4	336.7	12.0	62.0	8.0	0.0
00.0	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	999.9
0.5	19.5	984.3	975.0	23.1	16.1	179.8	12.4	-0.0	12.4	300.6	333.3	12.2	66.6	0.7	3.0
1.0	12.9	716.3	925.0	20.7	15.1	185.5	12.0	0.1	12.0	300.5	332.0	11.8	70.2	1.3	1.0
1.5	15.3	753.3	920.0	18.5	14.7	185.1	14.4	1.3	14.3	300.6	332.6	12.0	79.4	2.3	2.0
3.0	17.7	1194.6	875.0	16.5	14.6	193.8	12.0	3.0	12.4	301.0	333.4	12.1	88.5	3.0	3.0
5.0	20.2	1481.3	850.0	14.8	13.5	208.0	14.1	6.2	12.7	301.7	333.8	11.6	92.0	3.9	7.0
6.1	22.6	1694.3	825.0	14.1	11.8	213.6	18.3	10.1	15.2	303.5	337.5	10.6	85.9	4.9	12.0
7.1	25.1	1954.0	800.0	14.3	6.9	210.6	24.3	12.4	20.9	306.4	328.3	7.8	60.7	6.1	17.0
8.2	27.6	4222.9	775.0	14.2	-14.4	195.9	27.5	9.4	25.9	309.1	319.6	2.2	17.1	7.8	19.0
9.2	31.2	2494.9	750.0	13.9	-27.0	195.7	28.0	7.6	27.0	312.7	319.6	0.6	3.9	9.5	18.0
10.3	32.9	2785.0	725.0	13.9	-20.7	194.2	28.2	7.0	27.4	316.7	319.2	1.1	7.9	11.3	18.0
11.4	35.6	3074.5	700.0	12.2	-20.6	193.9	27.9	6.7	27.1	316.0	319.4	1.1	8.3	13.2	17.0
12.7	38.2	3342.3	675.0	9.1	-19.9	192.2	27.9	6.2	26.7	316.6	320.8	1.3	11.5	15.4	17.0
14.1	41.0	3593.5	650.0	7.0	-15.2	198.3	26.5	8.3	25.1	316.9	322.7	1.6	16.7	17.7	17.0
15.5	43.3	4214.3	625.0	4.2	-16.7	195.5	28.5	9.0	27.0	317.2	322.5	1.7	20.1	19.9	17.0
17.7	47.7	4944.5	600.0	1.5	-19.4	194.7	27.3	8.8	25.9	317.0	322.3	1.4	19.3	22.0	17.0
17.9	47.6	4945.2	575.0	-1.7	-19.6	197.6	27.6	8.4	26.3	319.1	322.6	1.4	23.8	26.0	17.0
19.1	52.4	5337.0	550.0	-4.9	-19.5	196.5	28.2	8.0	27.1	319.1	323.1	1.5	30.6	28.0	17.0
20.3	55.6	5433.5	525.0	-8.3	-23.2	193.0	28.5	6.4	23.7	319.5	323.2	1.1	26.7	28.0	17.0
21.7	59.8	5776.7	500.0	-11.9	-21.4	193.6	25.2	6.7	24.2	319.6	323.1	1.4	44.7	29.0	17.0
23.2	64.0	6166.0	475.0	-15.0	-33.5	195.5	25.2	6.7	24.3	319.4	320.5	0.3	11.3	32.2	17.0
24.4	65.3	6576.7	450.0	-16.8	-69.2	197.5	23.7	7.1	22.6	322.1	322.5	0.1	4.1	34.5	17.0
26.4	64.7	7001.0	425.0	-19.9	-47.7	209.6	19.7	6.9	18.4	323.5	323.3	0.1	6.4	36.5	17.0
29.1	72.3	7889.4	400.0	-22.4	-51.3	209.5	20.2	9.9	17.6	325.9	326.2	0.1	5.2	35.6	17.0
24.8	75.9	7919.5	375.0	-25.9	-49.3	210.4	19.8	11.7	15.9	327.4	327.8	0.1	9.0	40.7	18.0
31.7	79.7	8144.2	350.0	-30.8	-45.0	223.2	20.3	13.9	14.8	327.2	327.9	0.2	23.4	42.7	19.0
33.9	83.7	8325.1	325.0	-34.9	-47.0	225.0	20.1	16.5	14.0	328.7	329.2	0.2	25.4	45.0	21.0
34.3	87.6	8489.7	300.0	-39.4	-69.3	221.6	22.4	14.9	16.8	329.9	329.9	0.2	25.4	45.0	21.0
34.6	94.0	10378.5	275.0	-43.8	-69.9	220.6	22.9	14.9	17.4	331.8	329.9	0.2	25.4	45.0	21.0
41.9	96.4	10711.2	250.0	-48.0	-69.9	223.3	25.1	16.9	18.5	333.5	329.9	0.2	25.4	45.0	21.0
43.4	101.4	11395.4	225.0	-54.0	-68.0	223.5	22.9	15.8	16.4	335.0	329.9	0.2	25.4	45.0	21.0
46.5	106.6	12160.4	200.0	-60.5	-69.9	217.0	21.3	12.8	17.0	337.0	329.9	0.2	25.4	45.0	21.0
49.7	112.2	12766.3	175.0	-61.5	-69.9	223.0	23.5	16.0	18.0	348.4	329.9	0.2	25.4	45.0	21.0
52.9	118.0	13326.6	150.0	-60.8	-69.9	211.9	26.6	14.1	22.6	365.4	329.9	0.2	25.4	45.0	21.0
57.2	124.8	15022.5	125.0	-1.8	-69.9	224.5	24.0	16.8	17.1	383.1	329.9	0.2	25.4	45.0	21.0
62.2	132.3	16431.6	100.0	-61.7	-69.9	224.5	18.9	13.2	13.5	403.6	329.9	0.2	25.4	45.0	21.0
64.6	141.0	18233.3	75.0	-55.5	-69.3	216.5	13.5	8.0	10.4	456.6	329.9	0.2	25.4	45.0	21.0
77.0	151.0	20813.7	50.0	-36.5	-69.9	130.1	7.4	-5.6	4.7	810.3	329.9	0.2	25.4	45.0	21.0
90.7	162.0	25310.4	25.0	-48.0	-69.9	16.7	4.2	-1.2	-6.0	666.5	329.9	0.2	25.4	45.0	21.0

\* 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. 456  
TOPEKA, KANSAS

9 MAY 1979  
2000 GMT

TIME MIN	L %	W %	HT GPM	PHES MI	EMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U M/SEC	V M/SEC	POT T DG K	E POT T DG K	WX ATO GM/KG	RM %	RANGE KM	AZ DG
7.0	4.4	285.0	972.9	27.2	15.2	180.0	8.2	0.0	0.0	8.2	302.7	333.3	11.2	48.2	0.0	0.0
9.0	9.0	99.9	1003.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.6	10.6	475.4	975.0	25.1	15.9	174.7	13.1	-1.2	1.1	1.1	302.7	333.3	12.0	56.2	0.5	35.2
12.9	12.9	712.1	975.0	22.9	14.5	179.4	13.2	-0.5	13.2	13.2	302.7	333.6	11.4	59.8	1.0	35.6
2.2	17.1	97.0	975.0	20.5	13.9	179.4	13.2	-0.1	13.2	13.2	302.7	333.6	11.1	65.6	1.7	35.6
3.1	17.7	113.2	975.0	18.2	13.3	181.1	12.1	0.2	11.8	11.8	302.7	332.7	11.1	73.1	2.4	35.7
3.9	22.3	164.9	875.0	15.4	12.6	183.8	11.8	0.8	11.8	11.8	302.2	331.7	10.9	83.5	2.9	35.8
6.9	22.7	167.8	825.0	13.3	12.3	181.8	11.4	2.3	11.2	11.2	302.7	332.6	11.0	93.9	3.6	0.0
7.0	22.3	172.3	803.0	12.2	8.1	184.2	12.4	3.1	12.1	12.1	304.2	327.8	8.5	76.4	4.4	2.0
7.3	27.9	222.9	775.0	13.4	1.2	187.4	16.8	6.3	17.8	17.8	318.3	324.0	5.4	67.5	5.2	5.0
7.4	31.4	249.4	750.0	12.8	-22.6	202.0	25.3	9.5	23.4	23.4	310.5	315.1	1.5	12.4	6.3	8.0
8.2	31.0	278.4	725.0	12.8	-42.1	194.6	27.8	9.3	26.2	26.2	313.5	314.0	0.1	1.0	8.0	11.0
10.2	31.7	307.4	700.0	11.3	-43.7	188.3	28.0	8.8	26.5	26.5	315.0	315.4	0.1	1.0	10.1	12.0
11.5	31.4	337.1	675.0	9.5	-48.1	187.3	27.0	8.0	25.8	25.8	316.3	316.7	0.1	1.0	12.3	13.0
12.6	41.2	358.2	650.0	7.1	-23.1	187.6	24.4	7.4	23.3	23.3	317.0	320.0	0.9	9.4	14.0	14.0
13.7	48.1	400.6	625.0	4.2	-23.3	200.5	23.0	8.0	21.5	21.5	317.3	320.4	0.9	11.2	15.6	14.0
14.9	47.3	433.7	600.0	1.0	-17.7	200.3	24.0	8.6	22.4	22.4	317.3	323.0	1.3	19.5	17.2	15.0
17.9	49.9	467.7	575.0	-2.0	-17.6	200.4	24.0	8.4	22.5	22.5	317.6	323.0	1.7	29.2	18.9	15.0
17.2	52.3	502.4	550.0	-5.0	-20.7	202.0	24.0	9.0	22.2	22.2	318.2	320.4	0.6	13.3	20.6	16.0
18.8	50.0	539.4	525.0	-8.0	-30.1	202.1	26.2	9.8	24.3	24.3	318.8	320.0	0.2	9.2	22.6	16.0
19.9	50.1	576.4	500.0	-11.2	-40.5	201.1	26.0	9.3	24.2	24.2	319.4	320.2	0.2	6.7	24.7	17.0
21.3	62.3	616.1	475.0	-13.3	-50.3	200.6	22.6	9.8	20.4	20.4	321.8	321.7	0.0	1.0	26.7	17.0
22.8	61.6	657.1	450.0	-15.6	-59.8	208.8	23.8	11.5	20.9	20.9	323.6	323.7	0.0	1.0	28.7	18.0
24.4	61.0	699.4	425.0	-17.5	-62.3	213.7	23.5	13.0	19.6	19.6	324.0	324.0	0.0	1.0	30.9	19.0
26.1	72.6	749.4	400.0	-23.1	-68.6	218.7	22.6	12.9	18.6	18.6	325.0	325.1	0.0	1.0	33.1	20.0
27.8	72.2	746.4	375.0	-25.5	-58.4	215.7	22.2	13.0	18.0	18.0	327.9	324.1	0.0	3.0	35.5	21.0
29.6	71.9	841.4	350.0	-24.3	-50.4	218.8	22.0	14.7	16.4	16.4	329.3	329.5	0.1	5.3	37.7	22.0
31.6	71.8	837.6	325.0	-33.4	-61.4	220.8	23.0	15.0	17.4	17.4	330.8	330.8	0.0	4.1	40.2	23.0
33.7	87.4	947.7	300.0	-37.8	-63.8	221.3	23.6	15.5	17.7	17.7	332.1	332.2	0.0	4.6	43.1	23.0
35.1	94.8	1006.6	275.0	-43.1	99.9	223.0	21.5	14.7	15.7	15.7	332.9	332.9	99.9	99.9	46.1	20.0
36.7	94.8	1072.0	250.0	-40.9	99.9	224.4	24.5	17.1	17.5	17.5	333.4	333.4	99.9	99.9	49.4	21.0
41.2	101.6	1140.5	225.0	-33.5	99.9	227.3	24.2	17.8	16.4	16.4	336.5	336.5	99.9	99.9	53.1	28.0
43.9	101.6	1215.4	200.0	-54.5	99.9	228.4	26.0	19.7	16.9	16.9	344.3	344.3	99.9	99.9	56.8	30.0
45.7	112.6	1298.2	175.0	-64.0	99.9	219.8	26.0	18.3	22.0	22.0	344.3	344.3	99.9	99.9	61.4	31.0
50.1	118.3	1393.0	150.0	-60.6	99.9	212.6	26.0	16.1	25.2	25.2	365.6	365.6	99.9	99.9	67.0	31.0
54.3	121.0	1507.7	125.0	-59.8	99.9	225.7	27.8	19.9	19.4	19.4	366.7	366.7	99.9	99.9	74.4	32.0
59.1	132.0	1645.6	100.0	-63.6	99.9	225.0	26.5	14.5	14.5	14.5	454.5	454.5	99.9	99.9	80.4	33.0
65.3	141.3	1825.0	75.0	-56.5	99.9	222.3	17.0	11.4	12.5	12.5	454.5	454.5	99.9	99.9	87.5	34.0
73.3	151.0	2081.9	50.0	-56.4	99.9	231.8	4.9	2.0	4.5	4.5	510.6	510.6	99.9	99.9	91.3	34.0
80.3	161.5	2330.6	25.0	-48.4	99.9	239.9	99.9	99.9	99.9	99.9	645.6	645.6	99.9	99.9	91.1	36.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

0 BY PFD MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456  
TOPEKA, KANSAS

9 MAY 1979  
2300 GMT

168 10. 0

TIME MIN	CNTCT	HEIGHT GPH	PHES 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	WX RTO GM/KG	3M PCT	RANJE K4	AZ DG
0.0	4.0	265.0	372.9	27.2	16.5	170.0	7.7	-1.3	7.6	302.7	336.4	12.5	53.0	0.0	0.
0.9	9.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	11.1	478.1	950.0	24.8	16.1	999.9	99.9	. . .	99.9	302.4	335.3	12.2	58.4	999.9	999.
1.3	13.5	711.5	925.0	22.2	14.3	999.9	99.9	99.9	99.9	302.1	332.3	11.2	60.9	999.9	999.
2.3	15.9	949.3	900.0	20.2	13.8	999.9	99.9	99.9	99.9	302.3	332.4	11.1	66.6	999.9	999.
3.2	18.4	1742.1	875.0	17.6	13.4	176.2	12.4	-0.8	12.4	302.3	332.6	11.2	75.6	2.4	349.
4.1	20.9	1433.3	850.0	15.5	13.2	179.4	11.5	-0.1	11.5	302.4	333.1	11.3	85.9	3.0	351.
5.1	23.4	1693.1	825.0	13.3	12.1	999.9	99.9	99.9	99.9	302.7	332.1	10.8	91.9	3.7	353.
6.1	25.9	1452.0	800.0	11.6	10.1	999.9	99.9	99.9	99.9	303.5	330.3	9.8	90.6	999.9	999.
7.3	28.4	2217.7	775.0	10.2	8.4	999.9	99.9	99.9	99.9	304.8	329.7	9.0	89.0	999.9	999.
8.2	31.0	2493.2	750.0	12.1	-18.4	999.9	99.9	99.9	99.9	309.7	313.4	1.2	9.8	999.9	999.
9.1	33.6	2773.7	725.0	13.2	-15.4	999.9	99.9	99.9	99.9	313.9	318.9	1.6	12.2	999.9	999.
10.1	36.3	3063.6	700.0	11.3	-9.3	999.9	99.9	99.9	99.9	323.3	323.3	2.7	22.5	999.9	999.
11.2	39.0	3371.4	675.0	9.3	-9.1	202.6	22.3	8.6	20.6	318.0	324.8	2.8	26.1	10.3	9.
12.4	41.8	3693.2	650.0	6.8	-13.1	202.0	22.1	8.3	20.5	316.6	323.4	2.1	22.6	11.8	11.
13.4	44.5	4003.6	625.0	3.8	-17.5	201.0	22.7	8.1	21.1	316.3	321.8	1.5	19.2	13.2	12.
14.5	47.4	4313.4	600.0	1.0	-20.3	202.0	22.1	8.3	20.5	317.3	321.5	1.3	18.5	14.9	13.
15.7	50.4	4573.4	575.0	-2.4	-20.9	201.4	23.6	8.6	22.0	317.2	321.3	1.3	22.7	16.3	14.
17.0	53.4	4828.3	550.0	-5.8	-21.3	201.6	24.4	9.0	22.6	318.0	321.4	1.3	28.0	17.9	14.
18.0	56.4	5088.3	525.0	-9.7	-31.2	205.1	23.0	9.7	20.8	320.1	320.1	0.6	16.9	19.6	15.
19.4	59.6	5363.2	500.0	-10.3	-46.6	208.7	22.8	11.0	20.0	320.5	320.9	0.1	3.2	21.3	16.
20.6	62.9	6156.0	475.0	-13.2	-44.7	209.1	23.5	11.4	20.5	321.7	322.2	0.1	5.0	23.0	17.
22.2	66.1	6563.3	450.0	-16.4	-46.4	214.5	22.3	12.6	18.4	322.6	323.1	0.1	5.4	24.9	18.
23.5	69.5	6992.6	425.0	-19.4	-46.9	219.0	22.3	14.1	17.3	324.1	324.6	0.1	6.6	26.8	20.
25.2	73.0	7441.1	400.0	-21.8	-46.7	222.1	22.9	15.4	17.0	326.7	327.2	0.1	8.3	28.9	21.
26.9	76.7	7913.3	375.0	-25.4	-46.4	226.4	23.2	16.8	16.0	328.0	329.6	0.2	11.9	31.1	23.
28.7	80.4	8409.3	350.0	-29.6	-47.8	226.8	23.2	16.9	15.0	328.9	329.4	0.1	15.1	33.4	25.
30.6	84.3	8934.1	325.0	-33.6	-52.0	222.6	21.9	14.8	16.1	330.3	330.7	0.1	13.7	35.7	26.
32.4	88.3	9493.4	300.0	-38.3	-56.0	224.5	23.2	16.2	16.6	331.4	331.6	0.1	13.4	38.4	27.
34.7	92.6	10043.0	275.0	-43.2	-59.9	225.0	23.3	16.4	16.5	332.6	331.9	99.9	99.9	41.1	28.
36.1	97.0	10717.2	250.0	-48.6	-66.7	228.7	23.6	17.7	15.6	333.9	331.9	99.9	99.9	44.1	30.
37.1	101.9	11400.3	225.0	-54.5	-69.0	232.3	24.8	19.6	15.1	335.0	331.9	99.9	99.9	47.0	31.
41.7	107.0	12145.4	200.0	-59.6	-69.9	234.2	22.4	18.2	13.1	338.4	331.9	99.9	99.9	50.5	33.
46.4	112.5	12722.4	175.0	-63.8	-69.9	230.3	24.1	18.5	15.4	344.6	331.9	99.9	99.9	53.9	34.
48.8	116.5	13224.5	150.0	-61.4	-69.9	217.5	31.4	19.1	24.9	364.3	331.9	99.9	99.9	59.6	35.
52.2	120.3	13558.1	125.0	-61.0	-69.9	229.9	26.4	20.2	17.0	381.6	331.9	99.9	99.9	67.0	36.
57.0	122.8	14036.1	100.0	-63.4	-69.9	229.4	21.0	16.0	13.7	405.2	331.9	99.9	99.9	73.3	37.
63.3	131.3	14222.5	75.0	-58.5	-69.9	222.0	15.9	10.6	11.8	450.4	331.9	99.9	99.9	80.9	37.
71.7	151.3	20771.1	50.0	-57.2	-69.9	230.2	5.2	4.0	3.3	508.7	331.9	99.9	99.9	84.0	37.
85.2	182.0	25236.0	25.0	-49.7	-69.9	330.5	7.5	3.7	-6.5	641.6	331.9	99.9	99.9	81.9	39.

\* 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

10 MAY 1979  
205 GMT

161 13. 0

TIME	WIND	DIR	TEMP	DEW	DIR	SPEED	U. COMP	V. COMP	PWT	E. POT	WX	AM	RANGE	AZ
MIU	KT	DC	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/KG	PCT	KM	DG
0.6	9.1	15.6	24.4	15.6	180.0	6.2	0.0	6.2	299.9	330.7	11.6	56.0	0.0	0.0
0.9	9.9	94.4	29.9	94.4	94.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.2	4.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
1.3	11.3	99.9	24.2	99.9	99.9	99.9	99.9	99.9	30.8	331.2	10.9	53.8	999.9	999.9
1.7	13.7	13.1	22.6	13.1	999.9	99.9	99.9	99.9	302.4	330.4	10.2	51.9	999.9	999.9
2.7	15.1	12.9	20.7	12.9	999.9	99.9	99.9	99.9	302.8	331.4	10.5	61.2	999.9	999.9
3.9	14.5	11.3	18.9	11.3	999.9	99.9	99.9	99.9	303.3	329.9	9.7	61.9	999.9	999.9
5.3	21.0	9.6	16.7	9.6	999.9	99.9	99.9	99.9	303.6	328.1	8.5	63.0	999.9	999.9
6.2	21.4	8.6	14.3	8.6	175.9	18.3	-1.4	19.3	304.2	327.6	8.7	69.2	6.4	358.0
7.1	25.9	7.2	12.2	7.2	181.4	15.5	0.4	15.5	304.2	326.4	8.0	71.2	7.5	358.0
8.0	21.6	6.9	10.3	6.9	185.2	13.9	1.3	13.9	308.5	327.5	8.1	79.3	8.2	359.0
8.7	31.9	-1.9	11.0	-1.9	189.1	18.7	2.9	18.5	308.5	322.3	4.7	81.3	9.0	359.0
10.0	31.7	-31.1	10.5	-31.1	186.7	22.1	3.4	21.5	312.8	314.4	0.5	3.9	10.3	1.0
11.0	36.3	-13.2	8.9	-13.2	187.5	22.0	2.9	21.8	315.6	315.6	0.4	3.7	11.7	2.0
12.1	41.9	-12.3	6.8	-12.3	193.4	22.4	4.3	22.0	316.6	323.8	2.3	24.1	14.7	3.0
13.7	43.7	-11.6	3.9	-11.6	193.4	21.4	5.7	20.6	316.9	324.8	2.5	31.3	16.2	4.0
14.5	47.6	-8.9	0.8	-8.9	199.1	22.4	7.3	21.1	317.9	323.5	2.0	30.2	17.8	5.0
15.7	47.6	-29.3	-2.1	-29.3	204.5	21.9	10.0	22.0	317.5	319.5	0.6	10.2	19.6	7.0
17.0	51.5	-30.7	-5.4	-30.7	209.5	21.9	10.8	19.1	317.7	319.6	0.6	11.9	21.4	9.0
18.4	51.5	-52.0	-7.4	-52.0	209.8	22.1	11.0	19.2	319.6	319.6	0.1	1.5	23.1	10.0
19.9	57.9	-55.7	-9.2	-55.7	210.1	22.6	11.4	19.6	321.9	322.0	0.0	1.0	25.0	12.0
21.3	57.9	-57.4	-11.9	-57.4	215.1	23.0	13.2	18.8	323.3	323.4	0.0	1.0	26.8	13.0
22.7	61.0	-59.3	-14.9	-59.3	219.2	23.4	14.8	18.1	324.6	324.7	0.0	1.0	26.8	15.0
24.2	61.3	-61.3	-19.0	-61.3	219.8	20.8	13.4	16.0	325.9	326.0	0.0	1.0	30.8	17.0
25.9	61.7	-53.3	-21.7	-53.3	215.9	21.3	12.5	17.3	326.8	327.1	0.1	4.1	32.8	18.0
27.6	71.3	-45.7	-25.3	-45.7	217.3	19.7	11.9	15.7	328.1	328.7	0.2	12.8	34.9	19.0
29.5	74.0	-52.5	-29.1	-52.5	216.4	20.3	12.0	16.3	329.5	329.8	0.1	9.4	37.2	20.0
31.4	83.7	-55.9	-33.5	-55.9	214.3	22.6	12.7	16.7	330.5	330.7	0.1	9.4	39.7	21.0
33.4	81.7	-57.1	-37.8	-57.1	212.8	21.3	11.5	17.9	332.1	332.3	0.1	11.1	42.3	22.0
35.4	81.8	99.9	-42.8	99.9	212.9	22.1	13.0	18.6	333.3	333.3	99.9	999.9	45.1	23.0
37.7	93.2	99.9	-47.9	99.9	216.3	22.1	13.1	17.8	334.9	334.9	99.9	999.9	47.9	23.0
39.9	97.7	99.9	-52.9	99.9	225.0	23.5	16.6	16.6	337.4	337.4	99.9	999.9	51.0	24.0
42.2	102.6	99.9	-59.3	99.9	227.4	21.4	15.8	14.5	338.9	338.9	99.9	999.9	54.3	26.0
44.7	107.4	99.9	-59.3	99.9	230.2	27.2	20.9	17.4	341.8	341.8	99.9	999.9	57.7	27.0
47.4	113.4	99.9	-65.5	99.9	222.8	29.4	20.0	21.6	356.7	356.7	99.9	999.9	63.0	29.0
50.6	119.5	99.9	-65.8	99.9	221.1	24.3	14.7	16.8	362.1	362.1	99.9	999.9	69.7	30.0
54.7	126.3	99.9	-62.4	99.9	221.1	17.5	9.5	14.7	408.6	408.6	99.9	999.9	74.8	31.0
59.7	134.0	99.9	-61.4	99.9	212.9	12.5	8.2	9.4	446.7	446.7	99.9	999.9	81.3	32.0
65.9	143.0	99.9	-37.3	99.9	183.6	5.8	0.4	5.8	508.4	508.4	99.9	999.9	83.5	32.0
74.6	153.0	99.9	-30.1	99.9	999.9	99.9	99.9	99.9	640.7	640.7	99.9	999.9	79.2	32.0

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

STATION NO. 458  
TOPEKA, KANSAS

10 MAY 1979  
505 GMT

110 150. 0

TIME MIN	CATCT	HEIGHT GPM	PHES MJ	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	WX RTO GMRG	HM PCT	RANGE KN	AZ DG
0-0	8-9	269.0	973.5	22.8	15.6	170.0	5.1	-0.9	5.0	298.2	329.0	11.6	66.0	0.0	0.
0-0	9-0	94.7	1003.0	99.9	93.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-0	9-0	94.7	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-4	11-2	447.4	903.0	23.5	15.6	173.1	16.0	-1.9	15.9	301.1	332.8	11.8	61.1	0.5	100.
1-4	13-5	953.3	925.0	22.4	14.9	174.5	17.2	-1.7	17.2	302.2	333.3	11.5	62.0	1.2	352.
2-2	15-9	953.3	930.0	20.3	13.9	174.7	17.5	-1.6	17.4	302.5	332.8	11.2	65.4	2.1	353.
3-1	14-2	1144.2	875.0	19.2	12.7	176.7	18.3	-1.1	18.3	302.8	331.7	10.6	70.0	2.9	354.
3-9	23-6	1444.5	850.0	16.6	10.7	182.1	16.8	0.6	16.7	303.6	330.1	9.7	68.9	3.6	355.
4-7	21-1	1444.2	825.0	14.3	9.7	186.0	17.9	1.9	17.8	303.7	325.4	9.3	74.3	4.6	357.
4-6	21-6	1457.7	800.0	11.9	9.7	189.9	16.9	2.9	16.6	303.8	330.0	9.5	69.6	5.6	359.
5-5	21-1	2223.1	775.0	9.6	8.8	193.7	18.2	3.4	17.8	304.1	329.5	9.2	94.8	6.5	359.
6-5	21-1	2697.8	750.0	15.0	-26.3	194.2	18.4	4.5	17.8	312.9	320.7	2.7	20.6	7.7	2.
7-6	31-7	2799.2	725.0	14.8	-20.7	191.7	22.6	4.6	22.2	315.7	318.2	0.1	1.0	8.8	4.
8-6	31-3	3079.1	700.0	12.8	-29.3	191.6	22.7	4.6	22.2	316.7	318.4	0.5	3.6	10.2	5.
9-5	31-7	3342.5	675.0	9.9	-17.6	194.9	20.2	5.2	19.5	316.7	321.3	1.4	12.7	11.1	6.
10-5	41-4	3678.1	650.0	7.0	-10.1	194.2	20.9	6.5	19.9	316.9	321.5	1.4	14.9	12.5	7.
11-6	41-2	4114.4	625.0	4.1	-24.9	203.2	20.7	8.2	19.1	317.1	319.8	0.8	9.9	13.9	8.
12-6	47-1	4348.3	600.0	1.2	-35.4	210.3	21.0	10.6	18.2	317.5	318.6	0.3	4.3	15.2	10.
13-8	53-0	4584.1	575.0	-1.4	-43.0	215.7	20.8	12.1	16.9	318.3	319.2	0.2	4.1	16.5	12.
14-0	53-3	5030.7	550.0	-4.7	-35.5	218.9	21.7	13.6	16.9	318.6	319.7	0.3	6.8	17.9	14.
15-2	55-0	5430.7	525.0	-7.8	-30.6	221.1	22.7	14.9	17.1	319.1	320.2	0.3	7.7	19.3	16.
16-4	57-2	5777.3	500.0	-11.2	-21.3	222.4	22.1	14.9	16.3	319.3	320.1	0.2	6.3	20.7	18.
17-5	62-4	6168.7	475.0	-13.3	-24.2	217.7	22.0	13.4	17.4	321.9	322.0	0.0	1.0	22.2	19.
18-9	65-7	6579.3	450.0	-15.7	-24.9	209.5	23.3	11.5	20.3	323.6	323.7	0.0	1.0	23.9	20.
19-3	69-0	7007.8	425.0	-18.8	-31.9	206.4	23.1	10.3	20.7	325.0	325.0	0.0	1.0	25.9	21.
20-4	72-6	7456.5	400.0	-22.1	-37.0	205.1	24.8	10.5	22.4	326.3	326.4	0.0	2.2	28.0	21.
21-3	74-1	7928.1	375.0	-25.2	-44.8	202.4	24.3	9.2	22.5	328.3	329.0	0.2	14.2	33.2	21.
22-2	77-9	8424.4	350.0	-29.1	-45.5	202.8	23.5	9.1	21.6	329.5	331.4	0.5	53.9	32.9	21.
23-3	81-7	8952.7	325.0	-32.1	-35.9	213.4	22.8	12.5	19.1	332.4	334.4	0.5	66.5	35.4	22.
24-4	87-9	9512.3	300.0	-37.1	-30.3	220.7	22.5	14.6	17.0	333.1	334.4	0.4	71.3	37.7	23.
25-6	92-0	10107.9	275.0	-42.0	-24.9	213.1	24.6	13.4	20.6	334.4	999.9	99.9	999.9	40.3	24.
26-6	96-6	10745.2	250.0	-48.1	99.9	209.8	22.3	10.7	19.5	334.6	999.9	99.9	999.9	43.0	24.
27-3	101-3	11430.4	225.0	-53.6	99.9	207.9	24.1	11.3	21.3	336.6	999.9	99.9	999.9	46.1	24.
28-3	106-4	12180.1	200.0	-58.9	99.9	223.0	24.3	16.6	17.8	339.6	999.9	99.9	999.9	49.6	25.
29-6	112-0	13003.1	175.0	-65.8	99.9	209.9	99.9	99.9	99.9	341.3	999.9	99.9	999.9	53.0	27.
30-3	99-0	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
31-4	99-0	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
32-4	99-0	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
33-3	99-0	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
34-3	99-0	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
35-3	99-0	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 \*\* BY TEMP MEANS TEMPERATURE OR T/C HAVE BEEN INTERPOLATED  
 \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456  
TOPEKA, KANSAS

10 MAY 1979  
005 GMT

108 31. 0

TIME MIN	CNTCT	HIGHT GPA	WINDS M1	TEMP CG C	DEW PT CG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUF T UG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KN	AZ DG
0.0	9.2	268.0	974.0	21.7	17.3	170.0	4.1	-0.7	4.0	287.1	330.9	12.9	76.0	0.0	0.0
0.9	9.9	92.1	1033.0	92.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
5.9	9.9	96.3	973.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.7	11.3	485.9	953.0	22.6	18.5	185.3	13.6	1.3	13.5	300.1	333.5	12.5	68.4	0.4	354.
1.7	13.4	718.2	925.0	21.6	19.2	191.3	17.4	3.4	17.1	301.4	333.4	11.9	67.1	1.3	4.
2.5	15.9	956.1	923.0	20.5	19.3	192.9	18.4	4.1	17.9	302.6	332.8	11.5	67.6	2.2	6.
3.4	14.2	1194.2	975.0	18.5	13.2	197.5	16.4	4.9	15.6	303.1	332.9	11.0	70.9	3.1	10.
4.2	20.4	1447.7	850.0	16.6	13.0	205.8	15.0	6.5	13.5	303.5	333.9	11.2	79.4	3.9	12.
5.2	23.0	1701.6	825.0	14.6	11.7	215.4	16.1	9.3	13.1	304.1	332.9	10.6	82.4	4.7	15.
6.2	25.4	1461.9	800.0	12.7	9.7	221.5	17.9	11.9	13.4	304.7	330.9	9.5	81.9	5.7	20.
7.2	27.9	2229.1	775.0	10.5	9.6	218.7	19.2	12.0	15.0	305.1	331.7	9.6	92.6	6.7	23.
8.1	33.4	2501.2	750.0	6.7	7.6	215.9	19.3	11.3	15.6	306.0	330.5	8.8	92.6	7.8	25.
9.2	33.9	2781.4	725.0	6.6	5.6	211.3	19.9	10.3	17.0	306.7	329.9	7.9	93.4	9.0	26.
10.1	35.4	3073.0	700.0	8.5	-21.1	198.9	22.1	7.2	20.9	311.9	320.5	3.0	35.8	10.1	26.
11.1	35.1	3372.3	675.0	10.2	-43.7	192.1	23.8	5.0	23.3	317.0	317.5	0.1	1.0	11.5	25.
12.1	35.7	3583.3	650.0	7.5	-45.3	189.6	21.7	3.6	21.4	317.5	317.9	0.1	1.0	12.8	23.
13.2	41.6	4794.7	625.0	4.6	-37.9	193.6	20.5	3.9	20.2	317.7	311.7	0.3	1.0	14.2	22.
14.3	46.2	4335.7	600.0	1.5	-31.2	198.2	20.1	4.6	19.5	317.8	319.5	0.5	6.6	15.5	21.
15.4	49.0	4575.3	575.0	-1.7	-31.0	196.3	19.2	4.6	18.6	318.0	314.7	0.5	9.5	16.8	21.
16.7	51.7	5226.5	550.0	-5.3	-40.3	194.3	17.3	4.3	18.8	317.8	318.6	0.2	4.5	18.2	20.
17.9	54.9	5389.7	525.0	-8.3	-57.1	191.7	17.4	4.7	18.7	318.5	318.7	0.0	1.0	19.5	20.
18.2	57.9	5765.5	500.0	-11.7	-57.3	201.3	16.9	6.1	15.7	318.8	318.9	0.0	1.0	20.7	20.
20.3	61.0	6155.6	475.0	-15.1	-59.5	208.6	18.8	8.4	16.0	319.3	319.4	0.0	1.0	22.1	20.
21.9	64.1	5762.4	450.0	-17.5	-59.2	205.4	23.5	8.9	21.8	321.2	324.9	0.9	53.7	25.9	20.
23.2	67.4	6737.3	425.0	-21.1	-28.0	196.1	27.9	7.8	20.8	324.6	327.7	0.9	62.6	28.5	20.
24.7	70.9	7433.0	400.0	-23.4	-28.5	193.2	29.6	6.8	20.8	324.6	327.9	0.9	62.6	28.5	20.
27.4	74.3	7403.4	375.0	-25.9	-31.3	195.2	31.4	6.2	20.3	327.3	329.9	0.7	60.1	31.3	19.
28.5	81.7	8429.9	350.0	-28.5	-33.3	210.9	34.6	17.8	29.7	330.3	332.6	0.7	63.3	34.5	19.
31.6	85.7	9491.1	325.0	-31.4	-36.6	232.2	38.9	24.4	18.9	333.4	335.2	0.5	60.0	37.6	21.
33.2	89.7	10398.3	300.0	-36.3	-42.4	240.4	28.0	24.4	13.8	334.2	335.3	0.3	53.1	40.3	24.
35.3	94.2	13272.1	250.0	-41.4	-49.7	233.2	23.7	14.0	14.2	335.3	999.9	99.9	999.9	42.5	26.
37.2	93.7	11416.5	225.0	-47.1	-47.1	221.0	21.3	14.0	16.0	336.1	999.9	99.9	999.9	45.2	27.
39.4	103.6	14185.9	200.0	-52.6	-49.9	218.1	23.2	13.0	19.2	338.0	999.9	99.9	999.9	47.5	28.
42.1	109.0	12396.4	175.0	-59.6	-49.9	218.1	27.6	17.0	17.0	338.4	999.9	99.9	999.9	50.9	28.
45.1	114.9	13737.8	150.0	-66.9	-49.9	227.3	34.3	25.2	23.2	339.5	999.9	99.9	999.9	55.5	30.
48.0	121.3	15045.7	125.0	-65.0	-49.9	221.5	37.1	26.2	28.3	338.1	999.9	99.9	999.9	62.3	31.
51.6	147.7	16429.4	100.0	-62.4	-49.9	210.5	20.9	15.4	17.4	382.1	999.9	99.9	999.9	68.9	33.
53.6	147.7	16429.4	100.0	-62.4	-49.9	210.5	20.9	15.4	16.8	406.4	999.9	99.9	999.9	75.6	33.
60.1	137.0	14208.7	75.0	-58.4	-49.9	208.9	9.9	4.5	8.8	450.4	999.9	99.9	999.9	80.7	36.
70.1	147.3	20749.3	50.0	-50.6	-49.9	170.6	5.2	-0.9	5.2	505.4	999.9	99.9	999.9	83.6	33.
90.9	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	999.9

\* 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. 469  
DENVER, COLORADO

9 MAY 1979  
1105 GMT

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TIME MT	CNTCT	WEIGHT GPM	PWS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	23.6	1611.0	929.3	-0.6	-2.2	350.0	4.1	0.7	-4.0	287.5	296.1	3.9	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	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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



STATION NO. 469  
DENVER, COLORADO

9 MAY 1979  
1705 GMT

135 41. 0

TIME MIN	CNTCT	HEIGHT GMM	PRES MD	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT F DG K	MR WTD GM/KG	RM PCT	RANGE KM	AZ DG
0-0	21-7	1811-3	830-9	0-6	-2-8	140-0	0-1	1-0	-3-9	288-7	298-6	3-0	70-0	0-0	0-
00-9	94-9	99-9	1030-3	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
01-8	99-9	99-9	973-3	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
02-7	99-9	99-9	953-3	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
03-6	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	999-9
04-5	99-9	99-9	903-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
05-4	99-9	99-9	875-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
06-3	99-9	99-9	850-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
07-2	22-3	1688-2	825-0	-0-6	-3-7	333-6	4-4	2-0	-3-9	287-9	297-5	3-5	80-4	0-1	157-
08-1	26-9	1412-7	800-0	-3-7	-3-9	338-4	4-7	1-7	-0-4	287-2	296-9	3-6	98-0	0-2	155-
09-0	27-8	2183-1	775-0	-5-5	-5-6	341-5	5-8	1-8	-5-5	287-9	296-7	3-3	94-8	0-3	159-
10-9	32-0	2419-9	750-0	-6-6	-6-9	341-7	5-5	1-7	-5-2	289-4	297-8	3-1	98-4	0-9	159-
11-8	37-3	2694-9	725-0	-7-2	-7-3	343-5	2-0	0-6	-1-9	211-5	302-0	3-0	99-5	1-1	162-
12-7	35-3	2318-0	700-0	-7-0	-7-1	334-8	3-2	2-6	1-9	294-7	303-7	3-2	94-5	1-1	1-1-
13-6	35-1	3233-1	675-0	-8-3	-11-0	208-0	9-1	4-0	8-2	248-6	305-8	2-5	89-7	0-9	160-
14-5	41-0	3537-1	650-0	-10-2	-18-2	197-8	11-6	3-6	11-1	299-3	303-6	1-4	45-3	0-9	86-
15-4	45-0	3450-4	625-0	-10-2	-15-7	192-7	11-7	2-6	11-4	330-8	306-3	1-8	64-8	1-6	52-
16-3	49-0	3156-2	600-0	-11-2	-34-0	193-2	11-6	2-6	11-3	303-2	304-4	0-4	17-1	2-0	38-
17-2	49-6	4874-9	575-0	-13-5	-37-9	198-3	11-8	3-7	11-2	334-2	305-1	0-2	10-0	2-0	32-
18-1	52-6	6915-9	550-0	-16-4	-31-2	201-0	12-7	4-5	11-9	304-6	306-3	0-5	27-4	3-0	29-
19-0	53-8	5163-7	525-0	-19-3	-28-9	206-9	14-7	6-7	13-1	305-3	307-4	0-7	41-8	4-7	28-
20-9	59-9	5228-7	500-0	-21-9	-30-9	210-7	17-0	8-7	14-6	306-3	308-2	0-6	43-6	5-9	28-
21-8	62-1	5900-2	475-0	-24-6	-31-1	208-4	22-5	9-3	20-5	307-5	309-5	0-6	51-4	7-5	28-
22-7	65-9	6292-6	450-0	-27-1	-31-5	199-0	23-2	9-5	27-6	309-2	311-2	0-6	65-5	9-5	27-
23-6	69-0	6701-6	425-0	-30-1	-36-7	200-1	33-1	11-4	31-1	310-5	311-6	0-4	52-3	12-2	25-
24-5	72-6	7133-6	400-0	-33-2	-39-1	202-4	37-1	12-9	34-8	311-8	312-9	0-3	55-4	15-1	24-
25-4	74-2	7580-7	375-0	-36-5	-41-5	201-4	43-9	16-0	40-9	313-3	314-2	0-3	59-7	18-6	23-
26-3	80-0	8059-1	350-0	-39-6	-43-5	201-3	60-9	22-1	50-7	319-4	319-4	0-0	1-0	23-1	23-
27-2	84-0	8211-1	325-0	-43-3	-45-3	198-8	80-0	21-3	62-4	322-1	322-5	0-0	1-0	31-0	22-
28-1	89-2	9112-5	300-0	-43-1	-49-9	195-5	80-0	17-8	64-4	324-6	324-6	99-9	999-9	38-8	21-
29-0	92-5	9696-5	275-0	-45-6	-52-9	174-2	63-6	15-6	61-6	329-5	329-5	99-9	999-9	47-6	20-
30-9	97-2	10326-2	250-0	-49-7	-59-9	170-6	58-2	18-5	55-2	332-2	332-2	99-9	999-9	54-1	19-
31-8	100-9	11009-9	225-0	-53-8	-69-0	197-6	59-1	17-6	53-3	336-1	336-1	99-9	999-9	61-3	19-
32-7	107-3	11787-1	200-0	-58-0	-74-9	198-9	53-3	17-2	50-4	330-4	330-4	99-9	999-9	72-3	19-
33-6	113-0	12629-2	175-0	-61-3	-80-9	216-5	43-1	22-9	38-9	335-2	335-2	99-9	999-9	81-6	20-
34-5	119-9	13334-9	150-0	-64-0	-89-9	212-1	25-9	13-6	21-6	332-0	332-0	99-9	999-9	88-1	21-
35-4	126-9	14080-1	125-0	-66-0	-99-9	193-8	28-0	6-7	27-6	337-3	337-3	99-9	999-9	92-6	21-
36-3	133-0	14827-7	100-0	-68-2	-99-9	195-5	19-1	5-1	18-4	419-2	419-2	99-9	999-9	99-9	21-
37-2	140-0	15680-1	75-0	-71-9	-99-9	192-0	15-2	3-2	14-9	444-1	444-1	99-9	999-9	103-3	20-
38-1	147-3	20086-9	50-0	-72-4	-99-9	190-0	3-1	-2-8	2-3	520-1	520-1	99-9	999-9	109-1	20-
39-0	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	999-9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 469  
DENVER, COLORADO  
9 MAY 1970  
2005 GMT

05 201. 0

TIME MIN	ENTY	HEIGHT GUM	PRES MB	TEMP DG C	DEW PT DG C	DIR UG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y UG K	E POT F DG K	WX RTO GM/KG	RH PCT	RANGE K4	AZ DG
0.0	21.7	1611.2	830.6	1.7	-2.2	10.0	4.1	-0.7	-4.0	209.0	300.5	3.9	75.0	0.0	0.
0.2	0.0	98.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	0.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	0.0	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	0.0	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	0.0	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	0.0	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	0.0	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	0.0	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	0.0	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.1	0.0	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.2	0.0	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.3	0.0	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.4	0.0	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.5	0.0	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.6	0.0	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.7	0.0	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.8	0.0	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.9	0.0	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.0	0.0	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.1	0.0	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.2	0.0	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.3	0.0	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.4	0.0	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.5	0.0	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.6	0.0	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.7	0.0	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.8	0.0	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.9	0.0	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.0	0.0	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.1	0.0	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.2	0.0	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.3	0.0	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.4	0.0	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.5	0.0	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.6	0.0	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.7	0.0	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.8	0.0	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
3.9	0.0	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.0	0.0	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
4.1	0.0	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR T. WE HAVE BEEN INTERPOLATED.  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 489  
DENVER, COLORADO  
0 MAY 2305 GMT 1979

107 10. 0

VIEW	CHTY	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POF T	E POT T	WX RFD	RM	RANGE	AZ
M/W		Gpm	hJ	DG C	DG C	UG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	N.M	DEG
0-0	27.7	1011.0	031.6	1.1	-1.6	380.0	5.1	0.0	-5.1	289.1	300.2	4.1	82.0	0.3	0-
0-0	9-9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	975.0	99.9	99.9	91.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	950.0	99.9	99.9	91.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	925.0	99.9	99.9	91.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-0	9-9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME H-C-V MEAN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 669  
DENVER, COLORADO

10 MAY 1979  
205 GMS

105 10. 0

TIME MIN	CATCH	WEIGHT GMS	PMES MB	T-UP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT F DG K	E POT F DG K	MR WTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	21.0	1611.0	833.0	0.0	-1.2	10.0	5.1	-0.9	-5.0	237.8	290.3	3.9	85.0	0.0	0.
00.0	00.0	1000.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.0	01.0	999.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.0	02.0	999.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.0	03.0	999.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04.0	04.0	999.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05.0	05.0	999.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06.0	06.0	999.0	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07.0	07.0	999.0	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08.0	08.0	999.0	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
09.0	09.0	999.0	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.0	10.0	999.0	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
11.0	11.0	999.0	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
12.0	12.0	999.0	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
13.0	13.0	999.0	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
14.0	14.0	999.0	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
15.0	15.0	999.0	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.0	16.0	999.0	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17.0	17.0	999.0	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.0	18.0	999.0	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19.0	19.0	999.0	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20.0	20.0	999.0	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.0	21.0	999.0	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
22.0	22.0	999.0	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23.0	23.0	999.0	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
24.0	24.0	999.0	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25.0	25.0	999.0	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26.0	26.0	999.0	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
27.0	27.0	999.0	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
28.0	28.0	999.0	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
29.0	29.0	999.0	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30.0	30.0	999.0	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
31.0	31.0	999.0	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
32.0	32.0	999.0	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
33.0	33.0	999.0	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
34.0	34.0	999.0	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.0	35.0	999.0	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.0	36.0	999.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.0	37.0	999.0	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.0	38.0	999.0	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.0	39.0	999.0	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40.0	40.0	999.0	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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



STATION NO. 469  
DENVER, COLORADO  
10 MAY 1979  
005 GMT

148 20. 0

TIME MIN	CNTCT	HEIGHT GPM	POES MU	TEMP DG C	DEW PT DG C	DIR DZ	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T UG K	E POF T DG K	MX RTO GR/KG	RM PCT	RANSE K4	AZ DG
0-3	22-9	1811.0	815.0	-1.7	-3.9	350.0	4.1	0.7	-0.0	285.8	295.1	3.4	85.0	0.0	0.
04.9	04.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07.9	07.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10.9	09.2	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
13.5	09.2	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.1	09.2	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.7	09.2	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
21.1	09.2	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
23.2	09.2	99.9	825.0	-3.2	-3.7	341.9	2.3	0.7	-2.2	285.2	290.6	3.5	95.7	0.2	198
25.3	09.2	99.9	800.0	-5.4	-5.5	0.7	4.4	-0.1	-4.4	285.4	290.9	3.2	96.2	0.4	191
27.6	09.2	99.9	775.0	-6.5	-6.7	348.8	5.3	1.0	-5.2	286.8	290.9	3.0	98.7	0.7	186
30.0	09.2	99.9	750.0	-8.4	-8.7	351.2	6.9	0.8	-6.9	287.5	290.8	2.6	97.3	1.0	179
32.3	09.2	99.9	725.0	-10.1	-10.1	358.5	6.4	0.4	-6.4	288.7	290.5	2.5	98.2	1.5	176
34.6	09.2	99.9	700.0	-10.6	-10.9	342.1	4.8	1.5	-6.5	290.7	292.5	2.3	97.9	1.8	178
36.9	09.2	99.9	675.0	-11.7	-12.3	280.5	2.4	2.3	-6.4	292.5	290.6	2.3	97.9	2.0	174
39.2	09.2	99.9	650.0	-12.6	-12.0	190.5	4.7	1.0	4.4	295.7	300.6	2.3	97.3	1.7	161
41.5	09.2	99.9	625.0	-14.6	-15.0	216.3	12.0	10.0	6.7	296.1	300.7	2.3	96.6	1.6	132
43.8	09.2	99.9	600.0	-16.0	-17.9	248.2	12.7	11.6	9.1	301.3	300.2	1.6	85.0	2.1	102
46.1	09.2	99.9	575.0	-18.3	-21.1	250.4	12.2	11.4	4.1	302.3	300.3	1.3	79.0	2.4	96
48.4	09.2	99.9	550.0	-20.9	-28.0	246.7	9.9	9.1	3.9	303.3	300.6	0.7	52.5	3.8	90
50.7	09.2	99.9	525.0	-23.3	-32.1	230.5	8.4	6.5	5.4	304.6	300.3	0.5	44.6	4.3	86
53.0	09.2	99.9	500.0	-26.4	-43.6	219.0	10.9	6.9	6.5	305.3	300.8	0.2	18.0	4.8	81
55.3	09.2	99.9	475.0	-29.0	-50.4	213.3	15.1	8.3	12.6	306.8	307.1	0.1	10.5	5.7	73
57.6	09.2	99.9	450.0	-32.9	-53.2	198.7	18.4	5.9	17.4	308.9	307.1	0.1	10.9	6.7	64
59.9	09.2	99.9	425.0	-35.9	-55.1	196.2	23.8	2.5	23.6	309.0	309.2	0.1	11.2	7.7	55
62.2	09.2	99.9	400.0	-38.4	-59.9	183.1	29.6	1.4	29.6	310.8	309.9	0.9	99.9	8.9	46
64.5	09.2	99.9	375.0	-39.9	-62.7	193.0	29.5	6.4	27.8	319.8	309.9	0.9	99.9	11.6	38
66.8	09.2	99.9	350.0	-41.3	-67.9	197.1	37.0	10.9	35.4	319.8	309.9	0.9	99.9	15.6	31
69.1	09.2	99.9	325.0	-42.7	-69.9	196.6	41.0	11.7	39.3	325.2	309.9	0.9	99.9	20.4	28
71.4	09.2	99.9	300.0	-44.6	-69.9	196.4	45.6	12.8	43.7	330.6	309.9	0.9	99.9	26.2	25
73.7	09.2	99.9	275.0	-46.6	-69.9	196.4	45.6	12.8	43.7	330.6	309.9	0.9	99.9	32.8	24
76.0	09.2	99.9	250.0	-47.1	-69.9	200.0	40.9	16.1	44.0	336.0	309.9	0.9	99.9	40.8	23
78.3	09.2	99.9	225.0	-47.6	-69.9	203.5	40.3	18.5	42.5	345.6	309.9	0.9	99.9	49.7	25
80.6	09.2	99.9	200.0	-48.7	-69.9	209.1	42.6	20.7	37.2	355.7	309.9	0.9	99.9	57.0	25
82.9	09.2	99.9	175.0	-50.2	-69.9	216.2	31.8	18.8	25.7	367.0	309.9	0.9	99.9	62.4	26
85.2	09.2	99.9	150.0	-50.6	-69.9	192.6	22.4	4.9	21.9	377.7	309.9	0.9	99.9	67.3	26
87.5	09.2	99.9	125.0	-52.5	-69.9	181.2	20.6	3.7	20.8	377.7	309.9	0.9	99.9	77.1	24
89.8	09.2	99.9	100.0	-49.7	-69.9	226.8	30.0	15.0	19.1	458.1	309.9	0.9	99.9	79.8	25
92.1	09.2	99.9	75.0	-54.7	-69.9	168.3	7.3	-2.0	7.1	458.1	309.9	0.9	99.9	81.7	26
94.4	09.2	99.9	50.0	-54.7	-69.9	219.7	4.3	2.7	3.3	458.1	309.9	0.9	99.9	83.5	26
96.7	09.2	99.9	25.0	-51.0	-69.9	301.9	4.4	3.7	-2.3	638.5	309.9	0.9	99.9	83.5	26

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. 469  
DENVER, COLORADO

10 MAY 1970  
1105 GMT

100 10. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MM	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT F DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
00	22.7	1611.0	833.6	-1.1	-3.9	10.0	3.1	-0.5	-3.1	286.0	295.8	3.4	81.0	0.0	0.
01	04.9	94.7	1300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	09.3	99.3	975.0	93.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	09.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	09.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05	09.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
06	09.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
07	09.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
08	21.0	1695.5	825.0	-2.7	-3.9	336.2	6.2	1.0	-3.8	285.8	295.1	3.5	91.0	0.1	100.
09	2.1	1735.3	800.0	-6.7	-4.7	336.4	6.6	2.0	-6.2	286.2	295.1	3.3	98.3	0.3	156.
10	25.6	2199.6	775.0	-7.8	-6.9	343.1	6.9	1.6	-6.7	287.5	295.6	2.9	92.3	0.6	157.
11	31.2	2666.7	750.0	-7.6	-8.5	366.2	5.7	1.6	-5.5	288.4	295.8	2.7	92.0	0.9	160.
12	33.8	2724.1	725.0	-9.0	-9.5	357.2	6.2	0.3	-6.2	289.6	296.8	2.6	96.5	1.2	162.
13	36.5	2779.3	700.0	-10.9	-11.2	326.0	5.7	-1.2	-5.6	290.5	297.0	2.3	97.6	1.5	168.
14	39.2	3253.6	675.0	-11.5	-11.9	351.3	3.7	0.6	-3.7	292.8	299.3	2.3	96.8	1.8	172.
15	42.7	3267.5	650.0	-12.2	-13.5	277.7	5.7	5.7	-0.8	295.1	301.2	2.1	90.3	2.0	169.
16	45.9	3485.5	625.0	-16.2	-14.7	256.5	9.6	9.6	2.2	296.2	301.9	1.9	95.8	2.0	156.
17	47.7	4153.6	600.0	-19.0	-14.9	261.2	11.5	11.4	1.6	299.9	305.9	2.0	93.9	2.3	136.
18	51.5	4724.7	575.0	-17.5	-17.6	264.4	11.5	11.5	0.1	301.8	306.9	1.7	86.2	3.1	122.
19	55.6	5111.3	550.0	-17.7	-19.7	268.3	9.1	9.1	0.6	303.2	307.6	1.6	83.6	3.8	119.
20	58.6	5150.1	525.0	-23.0	-25.0	258.8	7.1	7.0	1.4	304.3	307.3	0.9	66.2	4.3	110.
21	59.9	5119.9	500.0	-22.8	-31.2	252.9	5.9	5.6	1.7	305.3	307.1	0.6	46.0	4.8	107.
22	62.1	5373.7	475.0	-26.1	-33.6	254.0	5.8	5.5	1.9	305.7	307.2	0.5	47.9	5.2	103.
23	64.4	6242.4	450.0	-23.6	-38.1	254.4	6.1	5.9	1.6	306.1	307.1	0.3	43.2	5.7	101.
24	66.9	6537.1	425.0	-33.2	-40.6	264.9	7.2	7.1	1.1	306.5	307.3	0.3	48.0	6.3	98.
25	73.6	7106.3	400.0	-37.1	-44.8	233.6	7.8	7.5	2.2	308.8	307.4	0.2	43.7	7.1	96.
26	77.1	7572.3	375.0	-41.2	-49.9	223.1	10.8	7.4	7.9	327.1	309.9	99.9	99.9	7.9	92.
27	80.7	8119.4	350.0	-42.6	-47.4	237.7	20.3	9.4	18.0	311.6	309.9	99.9	99.9	8.8	82.
28	84.9	9021.7	325.0	-41.6	-49.9	234.3	33.5	13.8	30.5	319.1	309.9	99.9	99.9	11.3	67.
29	89.7	9327.3	300.0	-43.1	-49.9	232.3	40.6	15.4	37.6	326.7	309.9	99.9	99.9	15.2	50.
30	93.3	9660.0	275.0	-44.4	-49.9	236.3	43.6	18.2	39.8	331.0	309.9	99.9	99.9	21.1	64.
31	97.0	10246.1	250.0	-44.9	-49.9	237.1	40.6	18.5	36.1	339.3	309.9	99.9	99.9	24.0	48.
32	102.0	10485.4	225.0	-47.1	-49.9	232.7	35.4	13.6	32.6	366.4	309.9	99.9	99.9	36.8	37.
33	107.0	11764.2	200.0	-48.0	-49.9	235.4	34.5	15.6	30.8	358.0	309.9	99.9	99.9	41.6	35.
34	112.4	12325.9	175.0	-50.5	-49.9	212.3	29.4	15.2	24.0	366.6	309.9	99.9	99.9	48.8	30.
35	117.4	13587.7	150.0	-51.8	-49.9	230.4	21.5	7.5	20.1	380.8	309.9	99.9	99.9	56.2	34.
36	126.5	14140.1	125.0	-56.3	-49.9	199.1	15.7	8.4	24.3	393.0	309.9	99.9	99.9	60.5	32.
37	134.0	16247.5	100.0	-49.8	-49.9	277.6	12.5	12.4	-1.6	431.5	309.9	99.9	99.9	67.4	32.
38	142.7	19137.7	75.0	-56.3	-49.9	191.1	8.7	1.7	8.5	455.0	309.9	99.9	99.9	68.8	31.
39	152.5	22252.1	50.0	-54.2	-49.9	139.5	4.0	-2.6	3.0	515.9	309.9	99.9	99.9	71.2	31.
40	162.5	25160.4	25.0	-50.9	-49.9	304.6	6.8	5.5	-4.0	638.4	309.9	99.9	99.9	72.2	32.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE 07 TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532  
PEORIA, ILLINOIS

9 MAY 1979  
1100 GMT

138 49. 0

TIME	CMPT	WEIGHT	PRES	TEMP	DEP	DIR	SPEED	U COMP	V COMP	POT	E POT	MR R10	RM	RANGE	AZ
MIN		GPM	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/SEC	PCY	KM	DEG
00	7.7	200.0	987.1	18.9	16.7	187.0	5.1	0.0	5.1	293.1	324.8	12.2	87.9	0.0	0.
00.9	99.9	95.2	1232.0	99.9	99.9	92.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.6	8.8	326.9	975.0	20.3	18.4	196.8	11.8	3.4	11.3	245.6	331.5	13.8	88.9	0.2	5.
1.2	10.9	532.0	950.0	20.1	17.6	210.6	16.5	6.4	12.2	297.6	333.1	13.5	85.8	0.8	18.
1.9	13.1	762.6	925.0	19.4	17.0	222.3	17.4	11.8	12.7	299.1	336.6	13.3	85.2	1.6	28.
2.6	15.4	998.7	900.0	18.2	15.2	234.9	17.1	14.0	9.8	308.3	332.8	12.2	82.4	2.5	36.
3.4	17.7	1282.2	875.0	16.5	13.4	240.7	16.3	14.2	8.0	301.0	330.9	11.1	81.6	3.4	42.
4.6	19.9	1667.1	852.0	15.4	10.5	246.8	13.4	12.3	5.3	302.2	328.0	9.4	72.6	4.1	46.
5.5	22.2	1833.6	825.0	15.2	4.7	245.9	11.0	10.1	4.5	305.7	323.1	6.5	47.6	4.6	49.
6.3	24.5	2200.9	800.0	14.2	-1.9	228.0	10.5	7.8	7.1	308.3	318.5	4.2	33.1	5.2	50.
7.2	26.7	2268.5	775.0	14.5	-16.4	205.8	12.8	4.7	9.7	309.4	313.7	1.4	13.4	5.7	49.
8.2	29.4	2268.5	750.0	13.9	-11.4	194.6	10.9	3.1	10.4	311.6	318.2	2.1	16.3	6.3	46.
9.2	31.9	2324.2	725.0	11.5	-10.4	199.9	11.5	3.9	10.8	312.1	319.6	2.4	20.3	6.9	43.
10.1	34.3	3120.3	700.0	9.1	-11.4	208.9	11.2	5.4	9.8	312.6	319.6	2.2	21.3	7.5	41.
11.1	37.9	3820.4	675.0	7.2	-13.1	219.3	10.6	6.7	9.2	313.7	320.2	2.1	22.0	8.2	41.
12.1	39.5	3729.9	652.0	4.3	-15.1	209.3	8.8	4.3	7.7	314.6	320.3	1.8	21.8	8.9	40.
13.5	42.2	4349.1	630.0	2.3	-17.7	197.3	9.1	2.7	6.7	315.1	320.6	1.5	21.0	9.4	39.
14.5	44.9	4376.2	612.0	-0.1	-21.2	192.6	9.4	2.9	9.1	316.0	312.8	1.2	18.6	10.0	38.
15.7	47.6	4714.1	575.0	-2.9	-26.3	202.8	11.3	4.4	12.5	316.6	314.2	0.8	14.5	10.7	37.
16.9	50.4	5286.3	552.0	-5.0	-32.7	203.5	12.4	5.0	11.4	318.1	319.6	0.4	9.2	11.5	36.
17.1	53.3	5829.2	525.0	-7.9	-33.9	195.2	13.3	3.5	12.8	318.9	320.4	0.4	10.2	12.4	35.
17.4	56.3	5906.3	500.0	-10.9	-37.3	194.4	15.0	4.7	12.2	319.7	320.8	0.3	9.2	13.4	33.
17.7	57.3	6199.3	475.0	-13.6	-41.3	211.4	15.8	7.7	12.6	321.1	321.9	0.2	7.5	14.6	32.
17.9	62.4	6606.4	452.0	-16.5	-43.2	216.6	12.9	7.7	10.4	322.5	323.2	0.2	7.8	15.7	33.
18.6	67.6	7233.2	425.0	-20.5	-45.7	218.3	12.9	8.9	10.2	322.8	323.3	0.1	5.3	16.9	33.
19.8	69.9	7979.7	400.0	-24.1	-47.1	218.0	12.2	7.5	9.6	323.6	324.1	0.1	9.8	17.8	33.
20.3	72.3	7485.7	375.0	-27.8	-50.6	218.9	12.2	7.6	9.5	324.7	325.1	0.1	7.2	19.9	34.
21.9	75.9	8537.5	350.0	-32.0	-52.9	215.8	14.4	8.4	11.7	325.7	326.0	0.1	13.6	20.1	34.
24.6	72.6	8757.6	325.0	-36.4	-55.9	213.2	14.7	8.0	12.3	326.5	326.7	0.1	11.2	21.6	34.
31.3	81.3	9517.7	300.0	-40.5	-59.9	216.9	13.8	8.3	11.1	328.3	999.9	99.9	999.9	23.0	34.
33.2	97.3	10315	275.0	-44.9	99.9	226.9	13.4	9.8	9.2	330.2	999.9	99.9	999.9	24.6	34.
35.3	51.6	13744.7	250.0	-50.1	99.9	239.5	12.8	11.0	6.5	331.6	999.9	99.9	999.9	26.2	34.
37.4	96.0	11925.2	225.0	-54.9	99.9	228.5	12.3	9.2	8.2	334.4	999.9	99.9	999.9	27.6	37.
37.7	103.9	12151.2	200.0	-59.0	99.9	233.1	11.4	11.5	8.7	339.4	999.9	99.9	999.9	29.3	37.
42.2	106.0	12453.2	175.0	-61.9	99.9	238.1	10.4	14.0	6.7	347.8	999.9	99.9	999.9	31.5	39.
44.9	111.9	13939.0	150.0	-61.8	99.9	229.9	10.6	15.0	12.6	363.7	999.9	99.9	999.9	34.2	48.
47.9	117.9	15467.2	125.0	-62.1	99.9	248.3	10.1	16.3	7.9	382.5	999.9	99.9	999.9	37.8	42.
51.8	123.9	16435.5	100.0	-64.6	99.9	243.2	13.9	12.4	5.8	402.9	999.9	99.9	999.9	41.1	44.
56.5	131.0	18227.3	75.0	-59.3	99.9	242.1	11.9	10.5	5.6	448.5	999.9	99.9	999.9	44.4	45.
62.3	141.5	23797.5	50.0	-56.5	99.9	999.9	99.9	99.9	99.9	510.4	999.9	99.9	999.9	999.9	999.9
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	999.9

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

STATION NO. 532  
PEORIA, ILLINOIS

9 MAY 1979  
1805 GMT

197 14. 0

TIME MIN	CMTCF	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	MS RTO CM/SEC	RM PCT	RANGE KM	AZ DG
0.3	7.9	200.0	987.8	22.8	16.6	180.0	6.2	0.0	6.2	297.0	323.4	12.3	45.0	0.0	0.
09.2	99.9	180.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	9.1	313.8	975.0	21.1	18.6	193.4	6.9	2.1	6.6	296.4	333.0	16.0	85.3	0.3	1.
1.2	11.4	539.1	952.0	20.1	18.3	205.4	10.2	4.4	9.2	297.5	334.5	16.1	85.4	0.0	9.
2.2	13.7	764.9	925.0	20.1	16.8	221.7	13.0	8.0	9.7	299.8	334.9	13.2	81.7	1.2	22.
2.8	16.1	1006.6	905.0	19.0	14.7	221.5	13.8	9.1	10.3	301.1	332.8	11.8	76.3	1.8	32.
3.4	14.5	1243.7	875.0	17.2	13.9	227.6	10.6	7.6	7.1	301.7	332.8	11.6	82.9	2.5	36.
4.8	21.0	1595.3	852.0	15.0	12.5	222.3	10.3	7.0	7.6	301.9	331.1	10.8	85.1	3.0	38.
5.7	23.5	1749.6	825.0	13.6	7.3	208.3	9.2	4.4	8.1	303.0	327.5	9.0	75.0	3.6	37.
6.7	26.0	2207.7	803.0	14.8	-17.6	185.6	18.3	1.0	10.3	306.9	315.0	2.7	22.6	6.2	36.
7.7	24.5	2272.1	775.0	16.3	-17.8	177.4	15.4	-0.5	11.4	311.3	315.2	1.2	9.2	4.7	29.
8.7	31.1	2556.6	753.0	14.5	-16.3	165.9	12.0	1.2	11.9	312.4	316.9	1.4	13.3	5.4	25.
9.8	31.7	2339.5	725.0	17.3	-16.8	158.2	10.1	3.2	9.6	313.0	317.5	1.6	11.4	6.1	24.
10.4	36.3	3132.3	700.0	10.7	-14.1	213.7	6.6	4.8	7.1	314.3	320.1	1.8	13.0	6.7	26.
12.0	39.0	3833.6	675.0	6.2	-15.9	209.7	7.5	3.7	6.5	318.9	320.0	1.6	18.9	7.7	25.
13.1	41.8	3743.4	650.0	5.2	-16.6	201.9	7.9	3.0	7.3	318.9	320.0	1.6	18.9	7.7	25.
14.2	44.6	4261.8	625.0	2.3	-19.7	201.4	8.6	3.1	8.0	315.1	313.2	1.3	17.7	8.2	25.
15.5	47.4	4357.7	603.0	-0.4	-22.5	206.4	8.7	3.8	7.8	315.7	319.1	1.0	15.9	8.9	25.
16.5	53.3	4729.6	575.0	-2.4	-25.7	223.3	8.8	8.0	6.4	317.2	320.0	0.8	14.6	9.4	25.
17.4	53.3	5079.3	550.0	-5.2	-32.7	225.5	10.0	7.1	7.0	318.8	319.5	0.4	7.3	13.1	27.
18.2	50.3	5462.5	525.0	-8.0	-37.3	219.7	11.7	5.9	10.0	318.8	319.9	0.3	7.3	11.3	28.
20.5	57.4	5917.4	500.0	-11.0	-37.1	200.9	12.2	4.4	11.4	319.7	320.6	0.3	7.6	12.0	27.
22.1	62.6	6211.7	475.0	-14.2	-41.2	205.8	11.8	5.1	10.6	320.4	321.2	0.2	8.0	13.1	27.
23.6	65.9	6411.7	450.0	-15.9	-42.9	211.6	10.0	5.3	8.5	322.0	322.7	0.2	5.3	14.1	27.
25.2	62.3	7067.2	425.0	-17.9	-44.9	210.1	10.3	5.2	6.9	323.4	324.0	0.2	9.7	15.0	27.
26.4	72.7	7871.9	400.0	-23.3	-47.2	212.7	11.3	8.0	9.6	324.7	325.2	0.1	9.1	16.3	28.
28.6	76.3	7963.6	375.0	-27.5	-50.3	212.5	10.9	5.8	9.2	325.2	325.6	0.1	4.5	17.1	28.
30.0	87.0	8451.9	350.0	-32.1	-53.3	216.4	12.1	7.2	9.8	325.5	325.8	0.1	4.5	17.1	28.
31.3	84.0	9170.6	325.0	-36.4	-56.3	218.3	13.6	7.6	11.2	326.5	326.8	0.1	12.6	19.6	29.
33.4	89.0	9523.6	300.0	-40.5	-59.9	215.4	11.7	6.8	9.6	328.3	329.9	99.9	95.9	21.1	29.
35.3	92.2	10108.5	275.0	-44.8	-64.0	226.9	10.6	7.7	7.3	310.4	329.9	99.9	95.9	22.4	30.
38.3	96.7	10735.8	250.0	-49.3	-69.3	229.4	9.9	7.5	6.4	312.8	329.9	99.9	95.9	23.7	31.
40.2	101.4	11422.9	225.0	-54.0	-74.9	223.2	10.0	6.9	7.3	335.8	329.9	99.9	99.9	24.3	32.
42.6	106.5	12172.1	203.0	-57.9	-79.9	233.2	13.4	10.7	8.0	341.0	329.9	99.9	99.9	26.5	33.
45.5	112.0	13055.6	175.0	-62.0	-84.0	231.6	15.0	11.8	9.3	347.7	329.9	99.9	99.9	28.9	35.
48.6	118.7	13754.2	150.0	-61.8	-89.9	225.1	15.8	14.1	14.0	343.7	329.9	99.9	99.9	31.9	36.
52.5	124.7	15285.3	125.0	-61.9	-94.8	238.0	18.2	13.7	8.4	342.9	329.9	99.9	99.9	36.2	38.
57.0	132.0	16433.3	100.0	-65.0	-96.9	233.4	18.5	12.0	6.3	422.1	329.9	99.9	99.9	39.7	39.
62.4	140.0	18232.9	75.0	-68.5	-98.9	248.9	11.2	10.4	6.0	458.2	329.9	99.9	99.9	44.4	42.
70.1	147.3	20797.1	50.0	-66.2	-98.9	229.4	3.5	2.6	2.3	811.2	329.9	99.9	99.9	60.6	42.
81.0	158.7	25263.3	25.0	-69.4	-99.9	280.5	0.6	0.5	-0.2	833.1	329.9	99.9	99.9	83.8	43.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532  
PEORIA, ILLINOIS

9 MAY 1979  
1705 GMT

136 14. 0

TIME MIN.	CHFT	HEIGHT GUM	PHES MB	TEMP CG C	DEB PT DG C	DIM DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POF T DG K	MX RTO GM/KG	RM PCT	RANGE NM	AZ DG
0-0	7-1	200-0	988-0	26-7	17-7	200-0	5-1	1-7	4-8	300-9	375-6	13-1	58-0	0-0	0-
0-3	97-0	99-0	1000-0	27-7	17-7	200-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
0-3	0-2	317-2	975-0	26-1	17-6	193-2	7-4	1-7	7-2	301-6	317-0	13-3	60-5	0-3	6-
7-9	17-4	545-8	973-0	23-9	16-6	193-8	8-3	2-0	8-0	301-3	315-2	12-6	64-0	0-4	6-
1-2	7-6	778-7	925-0	21-6	15-9	203-5	8-2	2-9	7-7	301-6	315-2	12-3	69-8	0-6	10-
1-7	14-8	1016-7	920-0	19-1	15-3	207-1	8-2	3-7	7-3	301-2	315-3	12-3	79-6	0-8	14-
2-2	17-1	1254-2	875-0	16-7	14-4	207-3	8-9	4-1	7-9	301-2	315-3	12-7	92-0	1-1	18-
2-4	15-5	1535-4	850-0	14-6	13-7	205-1	9-7	4-1	6-8	301-5	315-9	11-7	94-0	1-4	19-
3-6	21-7	1757-7	825-0	12-9	13-1	201-7	10-4	3-9	9-7	301-3	315-9	9-9	86-7	1-9	21-
4-5	24-0	2015-1	800-0	11-7	9-7	197-5	11-4	3-0	11-0	301-6	315-6	7-2	88-6	2-5	20-
5-4	26-5	2291-9	775-0	11-3	-8-4	191-1	12-1	1-1	12-1	301-9	317-6	4-1	38-2	3-1	18-
6-5	29-8	2590-0	750-0	12-8	-27-5	175-0	11-0	-0-8	11-0	310-5	317-2	0-5	6-3	3-9	14-
7-5	31-3	2843-2	725-0	12-3	-17-6	172-0	6-7	-0-2	6-7	313-3	317-2	1-3	10-7	4-5	12-
8-5	31-9	3133-8	700-0	10-6	-21-2	165-0	6-7	0-7	6-6	314-7	317-2	1-0	8-9	4-9	11-
9-7	31-3	3433-5	675-0	7-5	-27-1	170-3	6-2	1-1	6-1	314-3	317-2	1-8	10-1	5-4	11-
11-3	31-3	3767-2	650-0	4-6	-27-2	164-8	6-0	1-7	6-5	314-0	317-2	1-0	12-3	5-8	11-
12-1	31-5	4067-2	625-0	2-3	-43-1	205-8	6-0	2-6	5-4	315-1	315-8	0-2	2-9	6-3	12-
13-4	31-1	4347-7	600-0	-0-4	-34-5	212-5	5-8	3-1	4-9	315-9	316-8	0-3	5-5	6-7	13-
14-5	31-1	4725-1	575-0	-1-2	-34-8	214-6	4-6	2-0	3-8	316-2	317-7	0-4	7-9	7-0	14-
15-9	31-7	5075-7	550-0	-3-3	-34-9	218-7	5-5	3-4	4-3	316-4	317-9	0-4	8-2	7-4	15-
17-1	52-6	5437-7	525-0	-7-7	-34-1	206-2	7-6	3-3	6-0	317-7	318-6	0-2	6-5	7-8	16-
18-3	52-5	5818-7	500-0	-11-7	-47-1	197-6	10-1	3-1	9-6	317-4	320-2	0-1	3-2	8-5	16-
19-7	54-5	6205-8	475-0	-13-9	-49-1	200-3	9-3	3-2	8-7	320-9	321-3	0-1	3-6	9-3	17-
21-1	61-5	6614-0	450-0	-16-9	-49-4	203-6	8-6	4-0	7-6	322-0	323-3	0-1	4-0	10-0	17-
22-7	64-9	7040-1	425-0	-20-3	-51-0	207-9	6-6	4-0	7-6	322-9	323-2	0-1	4-5	10-8	18-
24-2	67-9	7486-1	400-0	-23-7	-52-7	204-4	9-8	4-0	8-9	324-2	324-4	0-1	5-0	11-7	19-
25-9	71-3	7953-9	375-0	-27-9	-54-7	209-5	10-0	4-9	3-7	325-2	325-4	0-1	5-5	12-7	19-
27-7	78-4	8465-2	350-0	-31-6	-57-0	211-3	10-7	5-2	9-1	327-1	326-3	0-0	6-0	13-7	20-
29-4	84-4	8965-3	325-0	-35-9	-54-6	217-4	11-1	6-6	8-6	327-2	327-3	0-0	6-6	14-8	21-
31-2	87-2	9418-3	300-0	-39-4	92-9	216-3	11-8	7-0	9-5	329-9	999-9	99-9	999-9	16-0	22-
33-7	89-2	9818-3	275-0	-43-9	99-9	205-6	10-9	5-0	9-6	331-6	999-9	99-9	999-9	17-4	23-
35-3	93-3	10741-5	250-0	-48-9	99-9	200-0	11-4	4-8	10-3	333-4	999-9	99-9	999-9	18-7	23-
37-5	94-8	11426-8	225-0	-53-1	97-9	221-4	12-5	8-3	9-4	337-2	999-9	99-9	999-9	23-2	24-
39-8	94-4	12176-7	200-0	-59-0	99-9	223-3	14-7	10-1	10-7	340-9	999-9	99-9	999-9	22-1	26-
42-4	104-4	13112-3	175-0	-60-9	99-9	225-9	16-1	11-5	11-2	349-4	999-9	99-9	999-9	24-3	28-
45-3	110-3	13968-0	150-0	-62-7	99-9	232-4	19-1	15-1	11-7	362-1	999-9	99-9	999-9	27-3	30-
48-7	116-3	15076-2	125-0	-61-2	99-9	235-9	15-5	12-8	8-7	364-2	999-9	99-9	999-9	30-7	33-
52-4	121-5	16470-3	100-0	-65-4	99-9	239-7	14-9	12-9	7-5	401-3	999-9	99-9	999-9	33-6	35-
57-9	131-7	18284-2	75-0	-59-3	99-9	231-3	11-4	9-6	5-8	450-7	999-9	99-9	999-9	37-6	34-
64-3	142-0	23404-2	50-0	-57-4	77-7	213-0	5-0	2-7	4-2	508-2	999-9	99-9	999-9	39-2	38-
74-6	154-0	25253-2	25-0	-49-3	77-7	357-7	1-6	0-1	-1-6	643-1	999-9	99-9	999-9	39-6	38-

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 5 BY TEMP MEANS TEMPERATURE UM TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 532  
PEORIA, ILLINOIS  
9 MAY 2305 GMT 1979

98 203- 0

TIME MIN	CNCT	WEIGHT 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	MR ATO GM/KG	RM PCT	RANGE KM	AZ DG
0-0	7-2	200-0	986-0	28-3	17-8	170-0	7-2	-1-3	7-1	302-7	13-2	53-8	0-0	0-
00-9	99-9	99-9	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-2	8-1	299-8	975-0	27-8	17-9	178-3	9-8	-0-3	9-8	303-1	13-4	54-9	0-4	3-
1-1	10-3	329-6	950-0	25-3	16-4	176-2	10-6	-0-7	10-6	302-8	12-5	59-8	0-7	0-
1-9	12-4	363-7	925-0	23-1	15-3	175-6	11-0	-0-8	10-9	303-0	12-0	61-5	1-2	358
2-8	14-6	402-3	900-0	20-9	14-8	176-9	10-8	-0-4	10-8	303-0	11-9	68-4	1-8	357
3-5	16-8	443-7	875-0	18-6	14-3	178-8	10-6	-0-2	10-6	303-1	11-8	74-4	2-3	358
4-6	19-1	489-1	850-0	16-2	13-6	179-4	10-9	-0-1	10-9	303-2	11-6	81-1	3-0	358
5-6	21-4	540-2	825-0	14-5	11-7	178-8	10-7	-0-2	10-6	303-9	10-6	88-5	3-7	358
6-6	23-7	596-3	800-0	13-4	6-1	183-4	9-8	0-6	9-8	305-3	7-5	91-5	4-3	358
7-7	26-0	652-3	775-0	12-2	2-2	184-2	9-6	0-7	9-5	306-9	5-8	98-2	4-9	358
8-7	28-4	708-4	750-0	13-7	-20-2	180-0	7-6	-0-8	7-6	311-8	1-0	7-4	5-4	360
9-7	30-8	764-4	725-0	11-6	-25-7	174-2	5-5	-0-1	5-5	312-2	0-6	9-5	5-8	360
10-8	33-3	812-3	700-0	10-1	-28-9	192-3	3-8	0-6	2-9	313-6	0-5	6-5	6-1	360
12-0	35-8	862-8	675-0	7-4	-30-1	230-1	1-6	1-2	1-0	313-9	0-5	4-8	6-2	0-
13-1	38-3	913-1	650-0	5-6	-30-9	171-3	1-0	-0-2	1-0	315-3	0-4	5-8	6-3	1-
14-4	40-7	965-1	625-0	3-4	-30-2	96-0	1-2	-1-2	0-1	316-6	0-5	6-7	6-3	0-
15-4	43-5	1018-1	600-0	0-7	-31-5	134-5	1-9	-1-3	1-3	317-0	0-5	6-7	6-3	0-
17-3	46-2	1072-1	575-0	-1-7	-38-1	198-7	3-8	1-2	3-6	318-0	0-2	4-2	6-5	358
18-3	49-9	1127-2	550-0	-3-6	-39-0	229-7	6-9	0-3	4-5	319-6	0-2	4-4	6-9	2-
19-3	51-4	1181-7	525-0	-6-5	-40-3	237-0	8-0	0-7	4-4	320-7	0-2	4-7	7-3	6-
21-1	54-7	1236-5	500-0	-10-0	-42-1	235-0	8-2	0-7	4-7	320-9	0-2	5-1	7-7	16-
22-5	57-6	1291-4	475-0	-13-0	-40-8	226-8	7-4	5-4	4-9	321-8	0-2	7-5	8-2	13-
24-1	60-9	1346-5	450-0	-16-2	-42-0	199-6	5-4	1-8	5-1	322-9	0-2	8-7	8-7	14-
25-5	63-9	1401-8	425-0	-19-9	-40-3	208-9	5-6	2-7	4-9	323-5	0-3	10-1	9-2	14-
27-3	67-1	1456-8	400-0	-23-6	-40-5	230-5	4-1	4-7	3-8	324-4	0-3	10-3	9-7	16-
29-9	70-4	1511-4	375-0	-27-5	-44-2	225-0	7-2	5-1	5-1	325-1	0-2	10-5	10-3	18-
32-6	73-9	1566-5	350-0	-32-0	-47-5	219-6	7-8	5-8	6-0	325-6	0-1	13-4	11-0	20-
35-5	77-4	1621-7	325-0	-36-8	-51-8	227-8	7-2	5-3	4-8	326-7	0-1	15-8	11-8	21-
38-7	81-3	1677-0	300-0	-41-4	-59-9	238-9	5-6	4-6	2-8	329-9	99-9	99-9	12-5	23-
41-7	85-2	1732-7	275-0	-43-4	99-9	239-8	7-5	5-0	3-7	332-4	99-9	99-9	11-1	25-
44-7	89-3	1787-4	250-0	-48-9	99-9	221-3	8-6	5-7	6-5	333-3	99-9	99-9	14-1	27-
47-6	93-4	1842-9	225-0	-53-4	99-9	699-0	99-9	99-9	99-9	336-7	99-9	99-9	15-0	28-
49-3	99-9	99-9	200-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
51-3	99-9	99-9	175-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
53-9	99-9	99-9	150-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
56-9	99-9	99-9	125-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
59-4	99-9	99-9	100-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
62-4	99-9	99-9	75-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
65-9	99-9	99-9	50-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
69-9	99-9	99-9	25-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9

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

STATION NO. 532  
PEORIA, ILLINOIS

10 MAY 1979  
205 GMT

TIME MIN	CNTCT	MEIGHT GPM	PHES MB	TEMP CG C	DEW PT CG C	DIR DG	SPEED M/SEC	U COM M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MI WTC GM/AC	RM F-T	RANGE NM	AZ DG
00	70	200.0	986.3	26.6	18.8	160.0	0.2	-2.1	5.8	298.7	335.7	18.0	71.0	150	11.0
05	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
10	10.8	301.6	975.0	25.0	18.8	171.9	13.8	-1.9	13.6	308.3	338.1	18.2	68.0	9.4	367.
15	10.8	529.0	950.0	23.4	17.9	172.0	13.8	-1.0	13.7	301.0	337.7	13.8	71.4	1.0	350.
20	13.1	762.7	925.0	21.7	17.6	175.7	14.3	-1.1	14.3	301.5	338.5	13.8	77.0	1.7	352.
25	15.5	1303.3	900.0	19.4	17.0	178.5	13.5	-0.1	13.9	301.5	338.0	13.7	85.9	2.5	353.
30	17.8	1282.6	875.0	17.4	15.8	184.0	13.3	0.9	13.3	301.9	336.9	13.1	90.3	3.2	355.
35	20.2	1470.6	850.0	16.7	15.5	190.5	13.2	2.4	13.8	303.7	329.6	9.5	86.8	3.8	357.
40	22.5	1745.1	825.0	15.7	7.3	189.4	12.6	2.1	12.4	305.2	327.1	7.0	57.5	6.5	359.
45	25.0	2005.5	800.0	13.5	4.8	182.8	11.0	0.5	11.8	305.6	324.6	6.8	55.3	5.2	0.
50	27.5	2273.1	775.0	13.4	-4.8	184.4	7.4	0.4	7.4	308.3	319.7	3.9	31.6	5.7	0.
55	30.0	2542.6	750.0	13.3	-26.7	183.8	6.1	0.2	6.1	311.1	313.0	6.0	6.5	6.8	1.
00	32.5	2837.4	725.0	11.5	-27.4	188.4	8.1	-1.0	5.8	312.1	314.0	6.6	6.7	6.3	1.
05	35.1	3124.1	700.0	9.9	-28.1	153.2	4.4	-2.0	3.9	313.4	315.2	6.5	6.9	6.7	359.
10	37.8	3424.2	675.0	7.8	-29.3	129.2	3.6	-2.8	2.3	313.4	315.2	6.5	5.3	6.8	358.
15	40.4	3733.2	650.0	5.2	-30.1	126.2	4.3	-3.5	2.6	318.9	316.5	6.5	5.6	7.0	358.
20	43.1	4051.5	625.0	2.9	-31.3	136.9	6.3	-2.9	3.1	318.8	317.3	6.4	5.9	7.2	355.
25	45.9	4370.2	600.0	0.3	-32.5	167.5	4.5	-1.0	4.3	318.5	317.9	6.4	6.3	7.5	354.
30	48.6	4714.9	575.0	-1.8	-36.6	201.5	5.0	1.8	4.7	317.9	318.9	6.3	6.9	7.8	354.
35	51.6	5071.7	550.0	-4.2	-37.7	218.3	6.0	3.7	4.7	319.1	320.1	6.3	5.2	8.2	356.
40	54.6	5434.3	525.0	-7.2	-39.1	221.6	6.7	4.5	5.0	319.8	320.7	6.2	5.7	8.5	359.
45	57.3	5814.1	500.0	-10.4	-40.9	217.6	6.5	4.0	5.2	320.3	321.1	6.2	6.1	9.0	1.
50	60.8	6208.4	475.0	-13.4	-42.4	197.8	6.8	2.1	6.6	321.3	322.0	6.2	6.6	9.5	3.
55	64.0	6615.9	450.0	-16.3	-37.6	197.1	7.0	2.0	6.7	322.8	324.0	6.3	13.8	10.1	3.
00	67.3	7043.6	425.0	-19.6	-37.8	222.9	7.5	5.1	5.5	323.9	325.1	6.3	17.8	10.7	5.
05	70.6	7493.1	400.0	-24.0	-38.5	232.1	8.6	6.4	5.3	323.8	325.8	6.3	24.7	11.2	8.
10	74.1	7977.0	375.0	-28.2	-40.4	235.1	7.2	5.8	6.1	323.3	325.4	6.3	29.6	11.8	13.
15	77.9	8488.2	350.0	-32.4	-46.9	241.9	5.2	4.6	2.4	325.1	325.8	6.2	27.4	12.3	13.
20	81.6	8968.3	325.0	-36.6	-50.3	233.4	3.7	3.0	2.2	329.0	329.5	6.1	19.3	12.6	14.
25	85.5	9522.3	300.0	-39.4	-56.1	262.0	6.1	4.0	6.5	329.9	330.2	6.1	19.3	12.6	14.
30	89.7	10112.4	275.0	-44.1	-61.3	269.5	7.2	7.2	-0.6	331.4	999.9	99.9	99.9	13.1	19.
35	94.0	10765.2	250.0	-48.3	-69.9	289.5	10.5	9.8	-3.5	334.2	999.9	99.9	99.9	13.3	24.
40	98.7	11430.1	225.0	-54.3	-99.9	291.6	18.8	10.8	-4.8	335.3	999.9	99.9	99.9	13.5	32.
45	103.6	12176.9	200.0	-58.1	-99.9	278.3	11.2	11.1	-1.6	340.8	999.9	99.9	99.9	14.1	38.
50	109.0	13010.5	175.0	-61.6	-99.9	245.5	12.7	11.5	5.2	348.3	999.9	99.9	99.9	15.4	44.
55	114.8	14971.2	150.0	-61.1	-99.9	241.3	18.1	15.9	6.7	344.9	999.9	99.9	99.9	16.9	46.
00	121.3	15397.4	125.0	-62.9	-99.9	242.2	16.4	14.5	7.6	381.2	999.9	99.9	99.9	23.1	49.
05	128.7	16469.7	100.0	-63.5	-99.9	246.7	15.3	14.1	6.1	401.3	999.9	99.9	99.9	27.5	51.
10	137.0	18233.4	75.0	-60.5	-99.9	286.8	18.6	10.6	6.6	440.1	999.9	99.9	99.9	33.4	54.
15	147.0	20779.0	50.0	-59.9	-99.9	8.3	9.2	-0.8	-0.2	502.3	999.9	99.9	99.9	38.3	56.
20	158.0	25166.7	25.0	-59.7	-99.9	12.4	6.9	-1.0	-0.8	638.8	999.9	99.9	99.9	31.7	58.

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

STATION NO. 532  
PEORIA, ILLINOIS  
18 MAY 1979  
505 GMT

TIME MIN	CMTC	WGTGHT 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	RM PCT	RANGE KM	AZ DG
0.0	0.0	230.0	997.0	22.2	19.4	160.0	5.1	-1.7	4.8	296.5	334.3	14.5	81.0	0.0	0.0
0.5	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1.0	9.2	307.0	975.0	22.0	19.3	173.9	13.0	-1.4	12.9	298.1	336.4	14.6	80.5	0.3	360.0
1.5	11.3	333.7	950.0	22.2	19.0	180.3	16.0	0.1	16.0	299.7	338.6	14.7	82.0	1.0	350.0
2.2	11.5	764.4	925.0	21.2	17.4	184.3	17.3	1.3	17.2	301.0	337.7	14.7	74.0	1.0	350.0
3.1	15.7	1003.7	908.0	19.4	15.3	188.3	18.2	2.3	16.1	301.9	334.5	14.3	77.5	2.6	0.0
4.1	18.0	1266.0	875.0	17.9	12.9	193.5	18.6	3.3	14.2	302.4	331.6	14.8	72.5	3.7	3.0
5.0	21.3	1594.3	853.0	16.6	11.0	201.5	12.0	4.4	11.2	303.4	330.3	14.8	69.3	4.5	5.0
6.1	22.6	1748.6	825.0	14.9	8.2	203.0	12.1	4.7	11.2	304.4	327.4	14.3	68.0	5.2	8.0
7.1	24.9	2004.7	800.0	12.3	6.6	195.3	12.9	3.6	12.4	304.2	325.6	14.3	66.3	5.9	9.0
8.0	27.3	2204.4	775.0	12.0	-2.4	185.3	10.5	1.0	10.5	304.7	318.8	14.1	36.5	6.6	10.0
9.1	28.7	2364.6	750.0	11.9	-2.4	170.0	9.0	-1.6	8.9	309.6	318.7	14.0	26.1	7.2	9.0
10.2	32.2	2512.5	725.0	12.7	-23.9	160.1	7.8	-2.7	7.3	313.4	315.9	14.0	6.0	7.6	7.0
11.2	34.6	3125.4	700.0	10.4	-26.5	145.3	6.9	-3.9	5.7	316.8	316.1	14.0	5.0	8.0	5.0
12.3	37.2	3425.4	675.0	7.8	-24.5	139.6	6.7	-4.3	5.1	316.4	316.2	14.0	5.4	8.3	3.0
13.4	39.7	3731.4	650.0	5.9	-21.5	149.8	6.8	-3.4	5.9	315.6	317.4	14.0	5.7	8.7	1.0
14.6	42.4	4054.4	625.0	3.3	-30.9	164.7	6.9	-1.2	6.0	316.2	317.8	14.0	6.0	9.1	0.0
15.7	45.0	4391.6	600.0	1.3	-32.0	191.2	6.3	1.2	6.2	317.6	319.1	14.0	6.2	9.6	0.0
16.9	47.5	4724.2	575.0	-1.5	-35.4	197.3	4.5	1.4	4.3	318.2	319.4	14.0	5.4	10.0	1.0
18.2	50.6	5070.4	550.0	-3.8	-36.6	206.5	4.9	2.2	4.4	319.6	320.6	14.0	5.7	10.3	1.0
19.5	53.3	5441.5	525.0	-6.8	-38.3	209.7	5.9	2.9	4.1	320.3	321.2	14.0	6.0	10.7	2.0
20.9	56.3	5819.6	500.0	-10.2	-40.2	213.3	6.1	3.4	5.1	320.6	321.4	14.0	6.4	11.1	4.0
22.1	59.3	6212.2	475.0	-11.6	-42.2	198.3	6.4	2.0	6.1	321.1	321.8	14.0	6.8	11.6	5.0
23.9	62.4	6621.2	450.0	-14.2	-43.1	190.0	6.3	1.4	6.2	322.9	323.6	14.0	7.5	12.2	5.0
25.3	65.5	7049.3	425.0	-19.4	-44.2	205.5	9.0	3.9	8.1	324.1	325.0	14.0	13.8	13.0	6.0
27.3	68.8	7495.9	400.0	-23.7	-44.8	211.4	8.3	4.6	6.7	325.2	325.2	14.0	18.7	13.8	6.0
29.4	72.1	7964.3	375.0	-27.1	-43.9	211.9	5.4	2.8	4.5	325.7	326.4	14.0	18.6	14.5	9.0
32.7	75.7	8460.3	350.0	-29.2	-47.6	238.5	3.3	2.8	1.7	329.4	333.0	14.1	14.8	14.9	9.0
37.7	79.3	8985.2	325.0	-33.4	-50.4	277.2	6.5	6.4	-0.8	330.7	331.1	14.1	15.3	15.0	11.0
38.9	82.1	9481.6	300.0	-38.4	-54.0	284.2	9.1	8.8	-2.2	330.6	330.9	14.1	18.1	15.0	16.0
37.3	87.0	10133.3	275.0	-43.2	-59.3	281.3	16.3	10.1	-2.0	332.7	330.9	14.0	99.9	15.1	20.0
39.5	91.3	10767.8	250.0	-48.3	-64.3	282.6	12.7	12.4	-2.8	334.3	330.9	14.0	99.9	15.4	27.0
42.2	95.8	11454.7	225.0	-52.7	-69.7	286.9	12.9	12.4	-3.8	337.6	330.9	14.0	99.9	16.0	34.0
44.9	100.8	12206.8	200.0	-57.5	-74.9	280.4	12.5	12.3	-4.3	341.7	330.9	14.0	99.9	16.7	41.0
47.0	105.8	13042.5	175.0	-62.3	-79.9	256.7	12.2	15.0	-3.7	347.7	330.9	14.0	99.9	18.3	48.0
47.0	105.8	13042.5	150.0	-61.8	-79.9	252.1	10.2	17.4	5.6	361.6	330.9	14.0	99.9	22.0	51.0
51.3	111.5	15115.2	125.0	-63.9	-83.9	237.9	14.4	12.2	7.7	371.2	330.9	14.0	99.9	25.5	53.0
55.3	117.5	16593.0	100.0	-63.8	-89.9	242.4	16.7	14.8	7.7	404.5	330.9	14.0	99.9	29.5	53.0
60.2	124.7	18281.5	75.0	-62.0	-94.9	263.0	11.0	11.0	1.3	442.9	330.9	14.0	99.9	35.8	56.0
66.3	131.0	19281.5	50.0	-62.0	-94.9	149.8	2.4	-1.2	2.1	508.6	330.9	14.0	99.9	37.3	56.0
74.3	143.0	20802.1	25.0	-57.2	-99.0	99.9	99.9	99.9	99.9	637.9	330.9	14.0	99.9	35.1	57.0
80.8	154.5	25216.0	25.0	-51.1	-99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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



STATION NO. 532  
 GEORGIA, ILLINOIS

10 MAY 1979  
 005 GMT

TIME	EMCT	HEIGHT	PRES	TEMP	DEP DT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	KX RTO	RH	RANGE	AZ
MIN		GPW	MB	CG C	CG C	CG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KM	DEG
00	809	20300	966.0	20.0	18.8	170.0	4.1	-0.7	4.0	294.3	333.6	79.9	93.0	0.0	0.
05	909	900	1033.0	20.0	19.2	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
06	401	30500	975.0	23.0	19.6	190.5	12.6	2.3	12.4	276.1	334.9	14.9	92.5	0.2	1.
10	1104	51300	953.0	23.7	19.3	194.4	15.4	3.8	16.9	298.2	337.5	15.0	91.8	0.0	9.
17	1337	76100	925.0	19.7	18.9	195.4	15.7	4.2	15.2	299.5	338.5	13.2	83.4	1.7	13.
21	1600	96000	933.0	18.1	15.7	196.4	15.1	4.3	14.5	300.2	333.7	12.6	85.7	2.5	16.
25	1906	123900	875.0	17.1	14.2	197.2	13.8	4.1	13.1	301.6	333.2	11.8	83.1	3.3	16.
29	2309	148700	850.0	15.6	12.6	199.2	12.8	4.0	11.4	302.3	337.0	10.9	82.4	4.1	15.
33	2703	173900	825.0	13.9	11.5	199.3	12.9	4.3	12.2	303.3	331.7	10.4	85.6	4.0	16.
37	3106	200000	800.0	11.7	9.5	203.0	12.1	4.7	11.2	303.7	329.5	9.4	86.3	5.5	16.
41	3509	226500	775.0	12.0	-20.6	219.3	8.0	5.1	6.2	306.7	310.2	1.1	10.4	6.0	17.
45	3909	253000	750.0	11.0	-23.5	227.0	8.8	6.4	6.0	309.4	310.4	0.3	2.6	6.4	19.
49	4306	279200	725.0	9.8	-26.0	216.4	9.1	5.4	7.3	310.3	311.3	0.3	2.8	6.9	21.
53	4709	305200	700.0	9.4	-28.7	199.9	7.8	2.7	7.3	311.0	312.2	0.1	1.8	7.4	22.
57	5106	331100	675.0	7.0	-35.6	190.3	6.7	0.0	6.7	312.5	313.8	0.1	1.0	7.9	21.
61	5509	357000	650.0	4.4	-38.6	173.3	9.5	-1.1	9.4	314.0	315.0	0.3	3.4	6.4	19.
65	5906	382900	625.0	2.8	-48.2	179.7	8.2	-0.0	8.2	315.6	315.9	0.1	1.0	9.0	18.
69	6309	408800	600.0	0.4	-59.7	185.2	7.9	0.7	7.9	316.6	316.9	0.1	1.0	9.5	17.
73	6706	434700	575.0	-1.9	-69.2	179.5	8.6	-0.1	8.6	317.8	318.1	0.1	1.2	10.0	16.
77	7109	460600	550.0	-3.6	-79.0	181.0	9.6	0.2	9.6	319.0	320.1	0.1	1.4	10.6	15.
81	7506	486500	525.0	-6.5	-89.1	194.8	7.3	1.4	7.2	320.6	320.9	0.1	1.0	11.3	14.
85	7909	512400	500.0	-9.8	-99.6	203.3	8.6	3.3	7.9	321.2	321.5	0.1	2.2	11.8	13.
89	8306	538300	475.0	-13.2	-109.5	206.4	10.7	5.1	9.4	321.7	321.0	0.1	2.6	12.6	12.
93	8709	564200	450.0	-16.8	-120.8	212.9	10.0	5.4	8.4	323.4	323.8	0.1	4.2	13.6	10.
97	9106	590100	425.0	-19.6	-142.2	217.3	10.8	6.6	8.6	323.9	324.5	0.2	9.0	14.6	10.
101	9509	616000	400.0	-23.9	-163.3	212.5	10.5	5.7	8.9	326.0	324.7	0.2	16.7	15.5	19.
105	9906	641900	375.0	-27.0	-184.3	212.8	8.1	4.4	6.8	325.9	326.3	0.1	9.9	16.4	20.
109	10309	667800	350.0	-29.4	-22.2	233.2	6.8	5.5	4.1	349.1	329.4	0.1	9.0	17.1	20.
113	10706	693700	325.0	-33.5	-34.0	237.0	8.1	7.9	1.8	330.5	330.8	0.1	10.6	17.7	22.
117	11109	719600	300.0	-37.8	-37.8	266.6	9.7	9.7	0.9	330.8	331.0	0.0	11.2	18.3	23.
121	11506	745500	275.0	-43.1	99.7	270.1	6.5	9.1	-1.0	332.8	339.9	99.9	99.9	18.9	29.
125	11909	771400	250.0	-48.3	99.9	290.1	6.5	6.4	-1.1	334.3	399.9	99.9	99.9	19.3	32.
129	12306	797300	225.0	-53.4	99.9	290.1	7.4	7.1	-2.3	336.4	999.9	99.9	99.9	19.6	35.
133	12709	823200	200.0	-59.0	99.9	336.6	10.6	8.7	-6.0	340.9	996.0	99.9	99.9	19.7	38.
137	13106	849100	175.0	-62.9	97.9	268.6	12.2	12.2	0.3	346.1	999.9	99.9	99.9	20.5	44.
141	13509	875000	150.0	-62.0	99.9	246.5	16.8	15.1	7.2	361.9	999.9	99.9	99.9	22.9	47.
145	13906	900900	125.0	-63.2	99.9	240.0	19.1	16.5	9.5	360.5	999.9	99.9	99.9	27.3	49.
149	14309	926800	100.0	-67.5	99.9	230.2	18.0	17.7	6.7	407.0	999.9	99.9	99.9	30.5	56.
153	14706	952700	75.0	-62.1	99.9	229.8	10.4	8.0	6.7	442.8	999.9	99.9	99.9	40.1	54.
157	15109	978600	50.0	-59.6	99.9	280.9	3.1	3.1	-0.4	503.6	999.9	99.9	99.9	40.1	54.
161	15506	1004500	25.0	-53.2	99.9	999.9	99.9	99.9	99.9	631.6	999.9	99.9	99.9	999.9	999.

0 99 SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 16 DEG  
 0 99 8700 MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 99 SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532  
GEORGIA, ILLINOIS

16 MAY 1979  
1105 GMT

TIME MIN	CATCY	WEIGHT GPM	PRES MB	TEMP DG C	DEP DT DG C	DIA DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E POT T DG K	RH RTO G/M/S	RH PCT	RANGE KM	AZ DG
00	7-4	200-0	1000-1	18-3	17-7	180-0	3-6	0-0	3-6	292-5	325-9	13-8	96-8	0-0	0-
00-3	99-9	99-9	1000-0	99-9	99-9	97-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-4	8-5	315-6	975-0	20-0	19-5	202-2	9-5	3-6	8-0	295-3	333-7	10-8	96-9	0-3	5-
1-3	10-7	543-7	950-0	20-0	19-3	216-9	11-7	6-7	9-6	297-2	336-9	15-0	95-6	0-7	20-
2-1	12-9	771-2	925-0	19-5	19-7	216-6	11-5	7-6	9-6	299-2	331-2	12-2	78-8	1-3	30-
3-0	15-0	1007-3	900-0	18-6	18-2	220-9	10-4	6-8	7-9	300-7	331-2	11-4	75-3	1-9	34-
4-0	17-2	1208-0	875-0	18-7	18-3	215-5	11-5	6-7	9-4	301-2	331-2	11-0	80-0	2-5	35-
4-9	19-5	1494-4	850-2	19-0	11-4	114-1	12-2	6-8	10-1	301-7	329-3	10-1	79-1	3-2	34-
5-8	21-7	1764-3	825-0	17-3	8-5	217-3	12-7	7-7	10-1	302-6	325-9	8-5	72-0	3-8	35-
6-7	24-0	2026-7	800-0	11-8	4-6	220-8	12-9	8-4	9-7	303-7	322-1	6-6	60-3	4-5	35-
7-7	26-4	2272-2	775-0	10-0	2-0	219-2	12-5	7-9	9-7	305-6	320-9	5-7	57-4	5-3	36-
8-7	29-7	2544-3	750-0	8-9	-7-9	220-2	9-9	6-6	7-5	306-2	314-7	2-8	29-0	6-0	37-
9-4	31-1	2924-7	725-0	9-1	-34-2	217-3	8-0	5-3	7-0	309-5	310-5	0-3	2-9	6-6	37-
10-8	31-5	3114-2	700-0	7-0	-45-2	208-5	8-0	4-2	7-0	311-1	311-4	0-1	1-0	7-1	37-
11-9	36-0	3412-7	675-0	6-2	-66-1	201-2	9-4	3-4	8-8	312-6	312-9	0-1	1-0	7-7	36-
12-1	39-5	3720-5	650-0	3-7	-67-4	203-1	9-6	3-5	8-3	313-2	313-5	0-1	1-0	8-3	35-
13-3	41-1	4037-4	625-0	2-0	-68-7	204-0	9-6	3-9	8-0	314-8	315-8	0-1	1-0	9-0	36-
14-5	43-4	4365-4	600-0	0-1	-69-9	205-1	9-7	4-1	8-6	316-2	316-4	0-1	1-0	9-7	33-
15-8	45-4	4704-7	575-0	-2-0	-51-2	207-1	10-0	4-5	8-9	317-6	317-8	0-1	1-0	10-4	32-
16-0	49-3	5055-7	550-0	-5-3	-53-3	207-8	9-5	4-4	8-4	317-9	318-0	0-0	1-0	11-1	32-
17-3	52-1	5418-7	525-0	-8-2	-55-1	200-3	9-2	3-2	8-6	318-5	318-7	0-0	1-0	11-8	32-
18-6	55-0	5795-1	500-0	-11-3	-57-1	192-1	8-1	1-9	8-8	319-3	319-4	0-0	1-0	12-5	31-
20-2	58-0	6180-5	475-0	-14-0	-58-8	193-5	9-7	2-3	9-4	320-7	320-8	0-0	1-0	13-3	30-
22-9	61-0	6594-8	450-0	-16-8	-58-6	199-7	11-4	3-8	10-7	322-2	322-2	0-1	2-4	14-3	29-
25-3	64-1	7021-9	425-0	-19-7	-60-5	200-2	12-0	4-4	12-0	323-7	324-1	0-1	5-7	15-5	28-
27-3	67-4	7459-4	400-0	-22-5	-55-4	218-1	10-4	6-4	8-2	325-8	326-0	0-0	3-2	16-9	28-
29-1	70-7	7902-6	375-0	-25-7	-56-7	227-6	9-5	7-8	6-4	327-6	327-8	0-0	3-6	17-3	29-
31-3	74-3	8436-6	350-0	-29-2	-58-3	233-0	8-1	7-3	5-4	329-4	329-6	0-0	4-8	18-8	30-
33-0	77-8	8961-8	325-0	-32-5	-60-5	248-2	10-9	10-1	6-0	330-6	330-7	0-0	6-6	19-8	32-
35-0	81-7	9518-2	300-0	-37-9	-63-0	254-8	9-8	9-4	2-6	332-0	332-1	0-0	5-2	20-9	34-
37-6	85-7	10111-8	275-0	-43-0	-67-9	257-0	8-8	8-7	2-3	333-0	999-9	99-9	999-9	21-8	37-
39-8	87-7	10708-1	250-0	-47-3	-69-9	251-5	9-2	8-7	2-9	335-7	999-9	99-9	999-9	22-9	39-
42-4	94-2	11637-1	225-0	-52-1	-69-9	255-6	8-2	8-8	2-8	338-7	999-9	99-9	999-9	24-0	40-
45-3	99-0	12188-9	200-0	-58-0	-69-9	264-4	10-8	10-7	1-0	339-7	999-9	99-9	999-9	25-1	43-
47-9	104-0	13014-8	175-0	-64-1	-69-9	266-0	15-3	15-2	1-1	344-2	999-9	99-9	999-9	26-8	46-
51-3	109-6	13956-3	150-0	-69-1	-69-9	250-8	17-0	16-1	5-6	359-7	999-9	99-9	999-9	28-3	49-
55-4	115-8	15053-7	125-0	-61-9	-69-9	238-9	17-3	14-8	8-9	382-9	999-9	99-9	999-9	32-7	51-
60-0	122-0	16459-1	100-0	-6-3	-69-9	248-1	19-2	17-8	7-7	407-4	999-9	99-9	999-9	36-0	52-
64-2	131-0	18230-5	75-0	-64-1	-69-9	999-9	99-9	99-9	99-9	436-6	999-9	99-9	999-9	99-9	999-9
69-9	99-9	97-9	50-0	-69-9	-69-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	99-9	999-9
99-0	99-9	99-9	25-0	-69-9	-69-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	99-9	999-9

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



STATION NO. 553  
OMAHA, NEBRASKA

9 MAY 1979  
1406 GMT

187 19. 0

TIME MIN	CMTCY	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.3	600.0	956.7	11.2	10.1	360.0	4.6	0.0	-4.6	288.0	309.1	8.2	93.0	0.0	0.0
99.9	99.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
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	999.9
0.2	10.9	458.8	950.0	11.1	10.7	999.9	99.9	99.9	99.9	288.4	310.5	8.6	97.7	999.9	999.9
1.0	13.3	684.2	925.0	13.6	15.5	999.9	99.9	99.9	99.9	295.3	326.9	12.1	98.8	999.9	999.9
1.9	15.7	917.2	900.0	15.9	15.7	999.9	99.9	99.9	99.9	277.9	331.3	12.6	98.9	999.9	999.9
2.8	18.1	1154.2	875.0	15.9	15.7	999.9	99.9	99.9	99.9	300.3	334.8	13.0	98.6	999.9	999.9
3.7	20.6	1425.4	850.0	15.5	15.3	999.9	99.9	99.9	99.9	302.4	337.2	13.0	98.6	999.9	999.9
4.5	23.0	1623.0	825.0	14.1	14.0	999.9	99.9	99.9	99.9	303.5	336.8	12.3	98.9	999.9	999.9
5.3	25.6	1814.5	800.0	12.9	12.5	999.9	99.9	99.9	99.9	303.0	336.4	11.5	97.2	999.9	999.9
6.3	28.1	2187.6	775.0	11.5	11.0	999.9	99.9	99.9	99.9	308.2	335.8	10.7	96.2	999.9	999.9
7.3	30.7	2480.9	750.0	10.8	10.8	210.9	17.2	8.0	16.7	308.3	325.3	9.9	56.8	6.0	21.0
8.3	33.4	2744.5	725.0	11.6	-4.0	205.9	18.3	8.0	16.5	312.2	323.9	9.0	33.4	7.2	22.0
9.4	36.1	3036.9	702.0	9.9	-9.6	203.5	19.4	7.7	17.8	313.4	321.5	8.6	24.2	6.3	22.0
10.5	38.8	3333.0	675.0	8.5	-23.0	201.8	20.2	7.5	18.7	313.2	318.2	8.0	8.9	9.6	22.0
11.6	41.6	3648.4	650.0	6.1	-23.0	202.0	20.0	7.5	18.5	313.9	318.9	8.0	10.2	10.9	22.0
12.8	44.4	3967.9	625.0	3.5	-24.0	203.1	20.0	7.8	18.4	316.5	319.4	8.0	11.2	12.3	22.0
14.0	47.3	4297.3	600.0	0.8	-21.5	206.9	19.7	8.9	17.5	317.1	320.8	1.1	17.0	13.7	22.0
15.2	50.3	4637.0	575.0	-2.3	-19.0	210.9	21.9	11.2	16.8	317.3	322.1	1.5	26.2	15.2	23.0
16.5	53.3	4987.7	553.0	-5.3	-19.9	210.6	23.7	12.1	20.4	317.8	322.9	1.6	33.1	17.0	24.0
17.9	56.4	5351.4	525.0	-7.8	-23.9	206.4	27.3	12.1	24.4	319.1	322.7	1.1	26.6	19.1	25.0
19.3	59.5	5728.7	503.0	-10.5	-32.6	201.9	30.6	11.4	28.4	320.3	322.0	0.5	15.0	21.5	26.0
20.7	62.9	6121.1	475.0	-13.4	-37.6	203.1	30.0	11.8	27.6	321.3	322.5	0.3	11.6	24.1	26.0
22.2	66.1	6533.4	450.0	-16.2	-27.9	205.6	27.0	11.7	26.3	322.9	325.8	0.8	35.3	26.8	26.0
23.6	69.6	6959.4	425.0	-18.3	-37.2	209.2	27.7	13.1	25.4	323.5	326.6	0.4	17.2	29.0	26.0
25.2	73.0	7408.6	400.0	-22.3	-34.9	209.8	25.0	12.4	21.7	326.0	327.7	0.5	30.5	31.5	25.0
26.9	76.7	7879.0	375.0	-26.7	-34.2	214.5	23.8	13.5	19.7	326.2	328.2	0.6	48.9	33.8	25.0
28.6	80.5	8372.8	350.0	-30.9	-36.2	220.3	24.4	15.8	18.6	327.2	328.9	0.5	58.1	36.4	26.0
30.6	84.5	8895.5	325.0	-34.0	-43.6	216.8	24.4	14.6	19.5	329.9	330.8	0.2	36.8	39.1	27.0
32.3	88.5	9450.4	300.0	-38.9	-45.9	216.1	23.4	13.8	18.9	330.7	331.4	0.2	46.5	42.1	28.0
34.9	91.4	10073.7	275.0	-44.0	99.9	214.9	22.6	15.8	22.7	331.5	999.9	99.9	999.9	45.3	28.0
37.4	97.4	10723.7	250.0	-49.3	99.9	217.9	26.3	16.1	20.7	332.9	999.9	99.9	999.9	48.6	29.0
39.4	102.2	11356.3	225.0	-54.3	99.9	217.3	31.8	19.3	25.2	335.3	999.9	99.9	999.9	52.9	30.0
42.0	107.4	12102.1	200.0	-59.8	99.9	213.9	36.6	17.6	28.2	338.1	999.9	99.9	999.9	57.8	30.0
44.8	113.0	12828.9	175.0	-63.7	99.9	219.7	32.5	20.8	25.0	340.6	999.9	99.9	999.9	62.9	30.0
47.7	119.0	13683.6	150.0	-59.2	99.9	220.8	19.4	19.4	22.4	365.1	999.9	99.9	999.9	68.6	31.0
51.1	125.8	14529.2	125.0	-60.0	99.9	222.2	20.6	13.8	15.2	368.4	999.9	99.9	999.9	73.7	32.0
54.8	133.3	15315.7	100.0	-61.8	99.9	222.3	16.0	10.8	11.9	408.4	999.9	99.9	999.9	77.7	33.0
58.6	142.0	16212.4	75.0	-56.0	99.9	223.8	7.9	4.3	1.6	453.5	999.9	99.9	999.9	81.0	33.0
62.2	151.7	20907.4	50.0	-53.5	99.9	132.8	6.2	-2.9	5.5	517.5	999.9	99.9	999.9	82.7	33.0
76.9	167.0	25285.8	25.0	-49.6	99.9	198.4	2.6	0.7	2.5	642.0	999.9	99.9	999.9	83.4	33.0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 553  
OMAHA, NEBRASKA

9 MAY 1979  
2005 GMT

TIME	EMTCF	HEI HGT	DRFS	TEMP	DEW PT	DIR	SPEED	U (CM)	V (CM)	P T K	F TOT T	MAK(T)	PCT	MANCF	AZ
REV	°C	M	°	°C	°C	°	M/SEC	M/SEC	M/SEC	°	°	°	°	°	°
000	17.4	432.1	957.0	19.0	15.9	210.2	7.1	2.1	0.1	295.9	327.2	12.6	82.0	0.0	0.
005	5.0	432.0	1000.0	92.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
010	15.2	431.2	955.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
015	15.8	430.2	955.0	13.6	15.3	230.2	5.1	4.1	4.1	290.1	320.7	11.6	81.2	0.1	69.
020	13.8	429.3	955.0	10.9	16.6	213.4	8.7	4.9	4.9	291.7	333.1	13.0	85.7	0.3	54.
025	14.5	428.1	955.0	14.3	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
030	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
035	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
040	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
045	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
050	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
055	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
060	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
065	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
070	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
075	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
080	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
085	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
090	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
095	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
100	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
105	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
110	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
115	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
120	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
125	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
130	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
135	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
140	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
145	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
150	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
155	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
160	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
165	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
170	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
175	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
180	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
185	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
190	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
195	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.
200	14.2	427.3	955.0	16.1	16.2	191.6	12.3	2.4	11.7	3 5.4	335.1	13.0	87.8	0.4	33.

ORIGINAL PAGE IS  
OF POOR QUALITY

STATION NO. 553  
OMAHA, NEBRASKA  
9 MAY 1979  
2303 GMT

TIME MIN	CNCT	WEIGHT G=4	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	WIND CM/KG	RM PCT	RANGE KM	AZ DG
0-0	10-1	800.0	958.7	9.3	8.4	310.0	6.7	5.1	-4.3	285.9	304.5	7.2	96.0	0.0	0
0-9	97.9	925.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	936.9	999.9
0-3	13-7	975.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	936.9	999.9
1-0	13-2	997.7	925.0	8.7	7.0	964.9	99.9	99.9	284.1	304.2	304.2	7.0	93.6	936.9	999.9
1-6	15-6	981.3	924.0	13.4	12.9	999.9	99.9	99.9	293.0	319.7	319.7	10.2	97.2	936.9	999.9
2-6	14-0	1172.3	875.0	16.5	16.1	999.9	99.9	99.9	298.8	333.6	333.6	13.2	97.6	936.9	999.9
3-6	21-6	1819.8	953.0	15.5	15.1	966.9	99.9	99.9	302.4	336.5	336.5	13.3	97.6	936.9	999.9
4-5	27-9	1873.5	925.0	16.2	13.7	999.9	99.9	99.9	303.6	336.6	336.6	12.1	97.2	936.9	999.9
5-6	25-4	1933.9	933.0	13.2	12.2	190.7	17.6	3.3	305.2	336.1	336.1	11.3	93.6	3.0	10
6-3	27-9	2201.7	775.0	11.9	10.5	195.4	18.0	5.2	19.1	308.6	335.3	10.4	91.2	6.0	11
7-1	31-5	2475.7	753.0	10.7	7.6	196.1	20.3	5.6	19.5	308.2	332.9	8.8	81.5	5.0	12
8-1	33-2	2758.1	725.0	9.0	4.7	197.7	21.3	6.5	20.3	309.3	332.0	7.5	74.0	6.2	13
9-1	37-9	3289.3	703.0	6.5	4.2	202.8	22.0	8.5	20.3	309.7	330.8	7.4	85.2	7.5	14
10-1	31-6	3346.4	675.0	4.2	2.3	205.9	23.8	9.5	19.6	310.3	329.7	6.7	87.7	8.9	16
11-2	41-3	3952.9	650.0	1.5	-3.4	204.0	25.2	10.3	23.0	310.7	325.2	5.0	75.3	10.3	17
12-3	48-2	3979.2	625.0	4.1	-6.7	201.6	28.1	10.3	26.1	317.1	317.6	0.1	1.0	12.1	18
13-3	48-1	4244.4	600.0	1.1	-6.4	204.9	27.9	10.8	25.7	317.4	317.6	0.1	1.0	13.9	18
14-5	51-0	4514.9	575.0	-1.9	-5.1	205.9	27.7	12.1	24.9	317.8	318.0	0.1	1.0	15.7	19
15-6	53-0	4800.7	553.0	-5.4	-5.3	208.1	27.5	13.0	24.2	317.7	317.9	0.0	1.0	17.6	20
16-9	51-0	5333.6	523.0	-6.7	-4.6	203.0	27.7	13.4	25.3	318.0	318.4	0.1	2.5	19.5	21
17-9	58-1	5779.1	523.0	-11.7	-7.7	209.9	29.5	14.7	25.6	318.8	318.9	0.0	1.0	21.5	22
18-5	61-4	6121.1	475.0	-13.5	-5.5	209.6	27.6	13.2	24.2	321.3	321.4	0.0	1.0	24.1	23
21-2	61-7	6524.3	450.0	-17.3	-6.9	206.2	27.6	12.2	24.8	321.5	321.6	0.0	1.0	26.9	23
23-0	61-1	6955.2	425.0	-19.9	-6.2	203.7	28.6	13.2	23.1	323.4	323.5	0.0	1.0	29.9	23
23-1	72-7	7401.4	403.0	-23.4	-4.5	214.5	27.2	15.4	22.5	324.5	325.1	0.2	10.7	32.1	24
24-8	61-3	7371.3	375.0	-25.0	-5.9	214.8	27.2	15.5	22.3	326.2	326.5	0.1	7.3	35.9	24
27-3	61-0	8165.5	350.0	-29.9	-6.1	215.8	29.5	17.2	23.9	328.4	328.5	0.0	1.0	38.6	24
31-2	61-0	9183.7	323.0	-34.4	-7.2	218.1	30.9	19.1	24.4	329.2	329.3	0.0	1.0	41.6	27
34-5	61-0	10332.5	275.0	-44.3	-7.5	219.8	28.1	18.0	21.6	330.2	330.2	0.0	1.0	45.2	28
36-3	61-0	11663.5	253.0	-44.7	9.4	219.9	27.2	17.5	20.9	332.2	332.2	0.0	999.9	49.3	29
38-3	61-0	13365.7	223.0	-54.6	99.9	221.1	31.1	20.5	23.4	334.8	334.8	0.0	999.9	53.1	30
42-3	107-3	12398.3	203.0	-60.5	99.9	226.7	29.8	21.7	23.4	337.8	337.8	0.0	999.9	61.9	31
44-2	117-5	12712.0	175.0	-62.5	99.9	225.6	28.7	19.1	18.7	346.7	346.7	0.0	999.9	68.9	33
47-3	148-5	13463.7	150.0	-62.1	99.9	217.3	29.0	17.8	18.7	363.1	363.1	0.0	999.9	71.9	33
51-4	121-3	15203.8	145.0	-59.4	99.9	219.7	25.7	16.4	19.8	387.4	387.4	0.0	999.9	78.3	34
56-6	123-0	16384.4	100.0	-61.9	99.9	215.6	17.1	9.9	13.9	408.1	408.1	0.0	999.9	85.3	34
62-3	141-5	18193.4	75.0	-59.8	99.9	221.4	11.8	7.9	8.8	489.7	489.7	0.0	999.9	89.2	35
63-8	151-0	20760.0	50.0	-55.0	99.9	221.4	6.8	6.0	6.0	513.9	513.9	0.0	999.9	93.3	35
67-2	161-5	25231.5	23.0	-50.1	99.9	999.9	99.9	999.9	99.9	648.9	648.9	0.0	999.9	91.7	36

0 MV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 MV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 FT SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 593  
OMAHA, NEBRASKA

10 MAY 1979  
206 GMT

106 21. 0

TIME MIN	CNTCT	HEIGHT GSM	POLES MU	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTU GMRG	RM PCT	RANGE NM	AZ DG
6.3	15.6	600.1	903.2	7.1	5.9	300.0	8.8	3.0	-8.3	283.5	297.2	6.1	92.0	0.0	0.
6.4	9.0	599.9	1023.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
6.5	11.5	999.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
7.3	11.5	999.9	975.0	7.3	6.3	999.9	99.9	99.9	99.9	284.6	301.0	6.3	93.1	999.9	999.9
8.0	14.0	999.9	975.0	5.7	5.3	999.9	99.9	99.9	99.9	285.1	302.8	6.1	97.2	999.9	999.9
8.7	14.4	999.9	975.0	13.6	13.1	999.9	99.9	99.9	99.9	295.5	323.7	10.7	97.2	999.9	999.9
9.5	14.4	999.9	975.0	16.1	15.7	999.9	99.9	99.9	99.9	330.5	335.1	13.0	97.6	999.9	999.9
10.3	21.3	999.9	975.0	15.3	15.0	999.9	99.9	99.9	99.9	332.2	336.5	12.8	98.2	999.9	999.9
11.0	21.9	999.9	975.0	14.0	13.6	999.9	99.9	99.9	99.9	338.6	338.2	12.1	98.6	999.9	999.9
11.7	21.9	999.9	975.0	12.6	12.3	999.9	99.9	99.9	99.9	339.6	335.7	11.4	99.4	999.9	999.9
12.4	21.9	999.9	975.0	11.3	11.3	999.9	99.9	99.9	99.9	339.9	335.5	10.7	98.2	999.9	999.9
13.1	31.2	999.9	975.0	9.6	9.3	999.9	99.9	99.9	99.9	337.0	334.5	9.9	98.0	999.9	999.9
13.8	31.2	999.9	975.0	9.0	7.5	190.0	18.3	5.3	17.4	308.2	333.0	9.1	97.7	5.2	2.
14.5	31.2	999.9	975.0	6.2	5.4	205.0	20.6	7.8	16.5	309.4	333.0	8.3	97.6	6.5	7.
15.2	31.2	999.9	975.0	4.6	4.2	235.4	20.6	8.9	18.6	310.8	332.8	7.7	97.7	7.4	9.
15.9	31.2	999.9	975.0	2.2	1.9	233.5	21.6	8.6	19.8	311.4	330.9	8.0	97.4	8.5	11.
16.6	31.2	999.9	975.0	2.2	-21.3	199.4	25.9	8.1	24.5	312.2	320.9	8.0	99.2	10.1	13.
17.3	31.2	999.9	975.0	-0.2	-50.7	199.7	28.9	8.3	27.7	316.0	316.2	8.1	1.0	12.4	13.
18.0	31.2	999.9	975.0	-2.7	-51.7	199.7	28.6	9.2	27.1	316.0	317.0	8.1	1.0	15.6	14.
18.7	31.2	999.9	975.0	-5.4	-53.4	205.0	24.5	10.7	26.4	317.7	317.0	8.0	1.0	16.9	15.
19.4	31.2	999.9	975.0	-8.1	-55.2	205.0	28.9	12.2	26.2	318.7	315.0	8.0	1.0	19.0	16.
20.1	31.2	999.9	975.0	-9.1	-55.9	235.6	28.0	12.1	25.2	331.8	321.9	8.0	1.0	20.9	17.
20.8	31.2	999.9	975.0	-12.3	-57.7	235.6	28.1	11.7	25.6	322.7	322.9	8.0	1.0	22.8	18.
21.5	31.2	999.9	975.0	-16.1	-59.2	207.3	25.0	11.5	22.2	323.0	323.0	8.0	1.0	25.8	18.
22.2	31.2	999.9	975.0	-19.2	-38.5	218.6	26.3	14.2	22.1	324.4	326.0	8.5	24.1	27.2	19.
22.9	31.2	999.9	975.0	-22.5	-47.8	218.7	25.9	14.7	21.3	325.7	326.2	8.0	1.0	29.9	21.
23.6	31.2	999.9	975.0	-25.6	-63.1	218.6	28.1	13.3	20.0	328.8	328.0	8.0	1.0	32.5	22.
24.3	31.2	999.9	975.0	-29.0	-63.1	218.5	23.3	14.5	18.2	328.8	328.0	8.0	1.0	35.0	23.
25.0	31.2	999.9	975.0	-31.5	-71.5	218.5	25.6	15.6	25.3	330.5	330.5	8.0	1.0	37.4	24.
25.7	31.2	999.9	975.0	-37.4	-78.1	218.0	26.3	15.5	23.3	332.6	332.6	8.0	1.0	40.9	25.
26.4	31.2	999.9	975.0	-42.3	-92.9	218.1	27.8	15.2	23.3	338.0	999.9	99.9	999.9	40.4	26.
27.1	31.2	999.9	975.0	-47.7	-97.9	218.5	28.1	15.1	23.7	335.2	999.9	99.9	999.9	42.0	26.
27.8	31.2	999.9	975.0	-53.8	-97.9	218.2	30.3	17.1	25.1	336.7	999.9	99.9	999.9	52.9	27.
28.5	31.2	999.9	975.0	-59.0	-97.9	218.5	39.4	23.6	31.9	339.3	999.9	99.9	999.9	57.5	27.
29.2	31.2	999.9	975.0	-64.9	-97.9	218.6	37.6	26.1	27.4	342.2	999.9	99.9	999.9	62.8	29.
29.9	31.2	999.9	975.0	-68.2	-98.4	218.3	32.1	19.0	25.9	339.5	999.9	99.9	999.9	67.9	30.
30.6	31.2	999.9	975.0	-64.2	-98.4	218.3	32.1	19.0	25.9	339.5	999.9	99.9	999.9	71.8	30.
31.3	31.2	999.9	975.0	-63.8	-98.9	222.2	25.5	17.1	18.9	335.0	999.9	99.9	999.9	78.8	31.
32.0	31.2	999.9	975.0	-63.6	-98.9	220.4	19.1	12.6	16.5	410.6	999.9	99.9	999.9	81.0	31.
32.7	31.2	999.9	975.0	-59.5	-98.9	220.1	11.4	8.5	7.6	450.2	999.9	99.9	999.9	85.0	32.
33.4	31.2	999.9	975.0	-56.1	-98.9	143.7	4.7	-2.8	3.0	511.3	999.9	99.9	999.9	88.3	32.
34.1	31.2	999.9	975.0	-52.3	-97.9	80.6	1.8	-1.8	-0.3	634.8	999.9	99.9	999.9	87.0	32.

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



STATION NO. 553  
UMAMA, NEBRASKA

10 MAY 1979  
503 GMT

197 23. 0

TIME MIN	CNCT	WEIGHT GPM	PHES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E PUF T DG K	MX STD GM/KG	RH PCT	RANGE AZ KM	DG
0.0	10.0	400.0	981.0	5.0	4.5	350.0	9.3	1.0	-9.2	281.7	295.9	5.5	90.0	0.0	0.
99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0.3	11.9	494.2	450.0	4.9	4.2	499.9	99.9	99.9	99.9	282.2	299.3	5.5	95.0	999.9	999.9
1.1	14.3	711.5	925.0	4.5	4.3	699.9	99.9	99.9	99.9	283.9	299.5	5.7	98.5	999.9	999.9
1.9	16.7	939.3	900.0	10.1	9.7	999.9	99.9	99.9	99.9	292.0	314.4	6.6	96.3	999.9	999.9
2.7	19.1	1174.9	875.0	13.5	13.3	999.9	99.9	99.9	99.9	297.8	327.2	11.1	98.7	999.9	999.9
3.9	21.5	1420.1	850.0	13.7	13.6	999.9	99.9	99.9	99.9	300.5	331.8	11.6	99.2	999.9	999.9
4.4	24.0	1672.1	825.0	12.7	9.6	999.9	99.9	99.9	99.9	302.0	327.0	9.1	81.2	999.9	999.9
5.4	26.6	1930.6	802.0	11.4	9.1	173.0	20.9	-2.5	20.8	303.3	320.4	9.1	85.4	2.8	359.
6.6	29.1	2176.4	775.0	10.7	9.2	176.8	17.8	-1.0	17.7	305.4	331.5	9.5	89.9	3.9	357.
7.4	31.8	2465.7	752.0	9.1	6.0	186.4	18.2	2.7	18.0	306.4	328.6	7.9	81.3	4.9	359.
9.0	34.4	2752.3	725.0	7.2	3.0	194.8	18.9	4.8	18.3	307.4	328.0	6.6	74.6	6.0	1.
9.8	37.1	3034.7	702.0	5.7	1.2	201.1	19.8	7.1	18.4	308.4	329.0	6.0	72.6	7.2	0.
10.5	39.8	3324.6	675.0	6.0	-8.9	193.7	26.1	8.8	24.6	312.4	321.2	2.9	33.6	8.6	7.
11.5	42.6	3615.3	652.0	4.9	-19.7	196.8	29.9	8.6	28.6	314.5	318.5	1.2	14.8	10.3	9.
12.6	45.4	3911.6	625.0	2.3	-21.9	197.2	32.6	9.6	31.1	315.1	318.6	1.1	14.6	12.2	10.
13.6	48.4	4211.6	600.0	0.2	-26.6	201.9	34.1	12.7	31.6	316.4	318.8	0.7	11.2	14.6	11.
14.8	51.4	4514.1	575.0	-2.2	-24.5	203.3	36.1	14.3	33.2	317.4	320.4	0.9	16.3	16.6	13.
15.9	54.4	4822.0	552.0	-5.3	-26.7	209.7	37.0	13.1	34.6	317.8	320.4	0.8	16.6	19.2	14.
17.1	57.5	5134.9	525.0	-9.8	-22.9	199.9	36.2	12.3	34.1	318.0	321.4	1.2	31.1	21.8	15.
18.6	60.5	5452.9	502.0	-11.6	-19.6	197.5	38.0	11.4	36.3	319.0	324.2	1.6	51.2	24.7	15.
19.7	63.3	5781.9	475.0	-18.5	-20.3	199.7	35.1	11.8	33.1	320.0	325.2	1.6	61.3	27.7	16.
21.3	67.3	6220.4	450.0	-16.3	-19.7	208.6	30.2	13.5	27.0	322.8	328.6	1.8	74.7	30.0	16.
23.3	72.7	6749.3	425.0	-19.9	-20.9	208.3	32.0	15.5	28.0	323.5	339.1	1.7	91.5	32.9	17.
24.5	74.3	7176.5	402.0	-22.0	-24.5	215.0	31.6	18.1	25.9	326.4	339.8	1.3	79.7	34.8	18.
25.2	76.0	7564.9	375.0	-25.0	-28.4	213.5	33.4	18.5	27.9	328.5	331.8	1.0	73.0	37.8	20.
25.7	81.8	8066.7	352.0	-28.9	-34.0	206.0	33.2	14.5	29.8	329.9	335.1	0.8	60.4	40.8	20.
27.5	85.8	8592.9	325.0	-33.0	-38.0	203.0	33.4	13.8	30.8	331.2	332.8	0.4	60.6	44.4	21.
30.3	90.0	9153.2	300.0	-37.9	-46.4	208.7	36.8	17.7	32.3	332.6	332.8	0.2	39.9	48.1	21.
32.2	94.4	10413.6	275.0	-42.5	-49.9	219.9	28.8	18.5	22.0	333.0	332.8	99.9	99.9	51.8	22.
34.1	97.2	10940.1	250.0	-47.8	-47.9	225.4	27.4	19.5	18.2	335.0	339.9	99.9	99.9	54.9	23.
36.8	104.3	11368.3	225.0	-53.7	-47.9	228.4	28.8	20.9	18.9	336.3	339.9	99.9	99.9	58.1	24.
38.1	109.5	12112.7	200.0	-60.2	-49.9	225.4	28.8	20.9	26.5	337.5	339.9	99.9	99.9	62.8	26.
41.5	115.3	12744.3	175.0	-64.5	-49.9	231.9	40.6	32.0	25.1	343.5	339.9	99.9	99.9	68.6	28.
44.4	121.7	13458.9	150.0	-66.2	-49.9	224.2	35.9	25.0	25.7	346.1	336.1	99.9	99.9	75.2	30.
47.9	129.7	14267.0	125.0	-68.0	-49.9	215.9	21.3	12.5	17.2	349.0	339.9	99.9	99.9	80.5	31.
52.3	136.7	15187.5	100.0	-61.2	-49.9	226.1	16.3	11.7	11.3	409.4	339.9	99.9	99.9	85.9	31.
57.3	145.3	16175.4	75.0	-68.9	-49.9	213.1	10.0	5.8	8.4	445.3	339.9	99.9	99.9	89.7	32.
65.0	155.0	20269.9	50.0	-58.4	-49.9	188.4	4.2	-1.4	-3.9	505.8	339.9	99.9	99.9	92.8	32.
78.5	165.0	25138.6	25.0	-51.9	-49.9	27.7	4.7	-2.2	-4.2	635.3	339.9	99.9	99.9	91.5	32.

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

STATION NO. 933  
OMAHA, NEBRASKA

10 MAY 1979  
004 GMT

152 22. 0

TIME	EMTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT Y	E POT T	MR WTD	RM	RANGE	AZ
MIN		GPW	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/KG	PCT	KM	DEG
0.0	10.7	603.0	960.9	4.9	3.9	10.0	6.2	-1.1	-6.1	281.2	296.8	3.3	93.8	0.0	0.
0.3	92.9	96.3	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	11.7	491.3	950.0	4.4	3.8	99.9	99.9	99.9	99.9	281.9	295.6	3.3	94.4	99.9	99.9
1.2	14.2	717.8	925.0	3.6	3.2	99.9	99.9	99.9	99.9	283.0	296.6	3.2	94.9	99.9	99.9
1.6	16.4	936.5	900.0	0.7	0.4	99.9	99.9	99.9	99.9	291.5	313.2	8.3	95.3	0.0	100.
2.0	19.7	1173.2	875.0	13.3	13.0	99.9	99.9	99.9	99.9	297.6	326.5	10.9	95.1	99.9	99.9
3.5	21.1	1419.3	850.0	13.4	13.6	99.9	99.9	99.9	99.9	300.6	331.7	11.6	98.8	99.9	99.9
4.3	23.5	1670.9	825.0	13.2	13.0	99.9	99.9	99.9	99.9	302.5	332.7	11.5	98.5	99.9	99.9
5.2	25.9	1932.2	800.0	11.7	11.6	99.9	99.9	99.9	99.9	303.7	333.2	10.9	99.3	2.0	13.
6.1	24.6	2196.2	775.0	10.1	9.8	200.4	20.6	7.2	19.3	304.7	331.9	9.9	98.2	4.0	17.
7.1	31.7	2468.6	750.0	8.3	8.0	202.8	22.3	6.7	20.5	305.6	330.7	9.1	98.2	5.2	18.
8.0	31.4	2747.0	725.0	6.8	5.6	208.9	26.3	11.8	21.3	306.9	329.2	7.9	92.3	6.5	19.
9.9	36.0	3136.7	700.0	4.4	3.7	211.1	30.1	15.6	25.8	307.4	327.6	7.1	94.6	7.9	22.
10.9	41.3	3533.1	675.0	4.4	-10.0	208.7	34.6	16.6	30.4	310.6	318.7	2.7	36.4	9.9	23.
11.9	46.3	3940.3	650.0	3.4	-14.6	203.0	37.2	12.6	34.8	312.9	318.8	1.9	25.3	12.1	24.
12.4	46.9	4214.7	600.0	-0.4	-14.6	194.6	37.8	9.5	36.5	315.6	322.1	2.1	31.3	14.4	23.
14.3	46.7	4623.5	575.0	-2.7	-32.0	188.7	34.1	5.2	33.7	316.9	318.5	0.5	8.5	18.9	21.
15.3	52.6	4774.0	550.0	-5.3	-33.6	187.1	35.7	4.4	35.4	317.8	319.2	0.4	8.7	23.9	20.
16.1	51.5	5137.5	525.0	-7.5	-16.0	193.6	30.5	5.6	29.9	319.4	327.1	2.1	50.0	23.1	19.
17.2	54.5	5716.2	500.0	-9.8	-17.0	202.2	27.6	16.4	25.5	321.2	327.7	2.0	55.6	25.1	18.
18.5	61.6	6113.1	475.0	-12.9	-19.2	213.4	22.5	12.4	18.8	322.0	327.7	1.8	59.3	26.9	19.
20.0	64.9	6517.5	450.0	-16.4	-21.9	218.4	23.7	13.7	18.5	322.6	327.4	1.5	62.2	29.9	20.
21.5	68.1	6947.0	425.0	-19.4	-23.6	217.2	21.6	13.1	17.2	324.1	329.4	1.3	69.2	30.8	21.
22.8	71.8	7395.5	400.0	-22.1	-25.2	205.9	20.2	8.8	18.2	326.3	330.8	1.3	82.5	32.4	22.
24.3	75.0	7960.7	375.0	-25.5	-27.5	192.1	22.1	4.8	21.6	327.8	331.4	1.1	83.8	34.3	22.
26.2	79.7	8363.9	350.0	-29.5	-32.9	190.8	23.3	4.4	22.9	329.1	331.4	0.7	71.5	36.8	21.
27.6	82.5	8988.8	325.0	-33.1	-37.3	189.5	18.9	3.1	18.7	331.0	332.7	0.5	68.2	38.5	21.
29.4	86.4	9446.6	300.0	-37.9	-41.7	187.5	23.4	3.1	23.2	332.8	333.2	0.3	67.0	40.8	20.
31.4	90.5	10240.6	275.0	-42.2	-49.9	182.8	25.2	5.6	24.6	334.1	339.9	0.9	99.9	43.7	19.
31.7	90.0	10477.7	250.0	-47.4	-49.9	202.7	27.1	16.4	25.0	335.5	340.9	0.9	99.9	47.3	19.
35.9	98.6	11367.0	225.0	-52.5	-49.9	215.6	32.1	18.7	26.1	338.0	349.9	0.9	99.9	51.0	20.
38.1	104.6	12115.5	200.0	-59.8	-49.9	217.9	38.9	23.9	30.7	338.1	349.9	0.9	99.9	53.5	21.
41.1	110.0	12935.7	175.0	-66.1	-49.9	227.8	39.0	25.3	26.0	340.0	349.9	0.9	99.9	60.9	20.
43.9	115.4	13496.4	150.0	-62.9	-49.9	227.7	33.3	24.4	22.4	361.7	349.9	0.9	99.9	67.2	20.
47.4	122.3	15002.2	125.0	-60.4	-49.9	218.0	23.9	14.7	18.0	305.4	349.9	0.9	99.9	78.7	20.
52.2	128.7	16003.5	100.0	-60.2	-49.9	228.7	16.3	11.8	11.2	411.5	349.9	0.9	99.9	82.2	20.
58.1	130.0	16988.8	75.0	-59.7	-49.9	223.4	7.6	5.2	5.5	467.8	349.9	0.9	99.9	85.4	20.
66.6	148.0	23743.3	50.0	-58.3	-49.9	128.3	5.2	-0.1	3.1	506.2	349.9	0.9	99.9	85.4	20.
81.3	159.5	25165.6	25.0	-52.8	-49.9	133.1	7.2	0.4	7.2	633.1	349.9	0.9	99.9	86.2	20.

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

STATION NO. 553  
ORAMA, NEBRASKA

18 MAY 1979  
1112 GMT

154 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 CCHP M/SEC	POT F DG K	E POT T DG K	MR RTO GM/KG	2M PCT	RANGE KM	AZ DG
0-0	9-5	600.0	961.2	5-2	4-5	330.0	3-6	1-8	-3-1	281.5	295.6	5-5	95.0	0-0	0-
0-5	9-5	99.0	1008.0	95.0	99.0	99.0	19.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0-5	9-5	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0-4	10-6	695.0	950.0	4-4	3-0	999.0	99.0	99.0	99.0	281.6	295.2	5-3	96.0	999.0	99.0
1-1	13-0	712.0	925.0	3-2	2-7	999.0	99.0	99.0	99.0	282.6	295.6	5-0	96.3	999.0	99.0
1-4	13-1	736.2	900.0	7-1	6-7	999.0	99.0	99.0	99.0	285.0	306.9	6-9	97.1	999.0	99.0
2-6	17-8	116.0	875.0	9-1	8-6	999.0	99.0	99.0	99.0	293.2	314.6	8-1	97.2	999.0	99.0
3-5	20-2	1480.6	850.0	9-1	8-6	999.0	99.0	99.0	99.0	295.6	317.8	8-3	97.0	999.0	99.0
4-3	22-7	1058.2	823.0	9-5	8-0	999.0	99.0	99.0	99.0	297.6	319.7	8-2	96.8	999.0	99.0
5-1	27-2	1113.9	803.0	9-5	9-0	999.0	99.0	99.0	99.0	301.3	326.0	9-1	96.4	999.0	99.0
5-9	27-8	2174.3	775.0	9-7	9-1	999.0	99.0	99.0	99.0	304.2	330.2	9-5	96.3	999.0	99.0
7-0	30-4	2453.3	750.0	9-1	-0-9	185.8	29.0	3-0	29.7	306.4	320.5	4-9	51.5	4-7	13-
7-4	31-0	2321.6	725.0	8-6	-5-9	186.4	28.5	2-2	28.4	308.9	319.0	3-4	35.3	7-0	10-
9-3	32-7	3202.6	700.0	8-3	-6-9	186.6	28.5	3-4	29.3	309.5	319.2	3-3	38.0	8-6	9-
10-3	35-3	3117.7	675.0	9-4	-8-0	191.4	29.6	5-9	29.1	310.6	319.9	3-1	39.0	9-8	9-
10-7	41-1	3623.7	653.0	2-2	-9-7	191.2	28.4	9-3	26.8	311.4	320.0	2-8	41.0	11-1	10-
11-7	46-0	3914.7	625.0	1-2	-19-7	210.7	26.1	13.1	22.4	313.8	317.9	1-3	19.9	12-6	12-
12-9	49-9	4266.9	590.0	-1-0	-22.4	210.1	27.7	17.1	21.8	315.0	318.5	1-1	17.0	14-4	15-
14-1	49-8	4005.0	575.0	-3-5	-18-6	224.7	27.7	19.5	19.7	315.9	320.9	1-5	30.2	16-2	18-
15-0	57-8	4354.9	553.0	-6-3	-16.3	224.7	27.3	19.2	19.4	316.7	322.8	1-9	44.8	17-6	20-
16-1	57-9	5315.9	525.0	-9-3	-14.7	219.6	26.4	16.8	20.3	317.3	324.6	2-3	66.6	19-0	22-
17-0	57-0	5592.5	500.0	-11-9	-14.6	211.3	25.9	13.4	22.1	318.5	326.2	2-5	80.7	20-6	23-
18-4	60-3	6084.0	475.0	-14.3	-16.9	204.0	23.1	9.4	21.1	320.3	327.2	2-2	80.7	22-5	24-
19-5	67-4	6677.1	475.0	-14.0	-14.5	206.0	23.3	10.2	20.9	322.1	327.9	1-8	79.4	24-1	24-
20-8	67-0	6114.6	425.0	-17.5	-22.4	207.7	25.8	12.0	22.8	324.0	328.9	1-5	77.7	26-0	24-
22-1	72-6	7368.0	400.0	-22.3	-26.1	205.6	22.3	9.7	20.8	326.0	329.8	1-1	71.2	27-9	24-
23-6	76-3	7939.0	375.0	-26.0	-30.0	207.3	22.8	10.4	20.2	327.2	330.1	0-8	68.8	29-8	24-
25-7	82-3	9334.9	350.0	-29.6	-33.9	199.9	20.5	7.0	19.3	329.8	331.0	0-6	66.0	31-7	24-
26-5	86-0	9559.4	325.0	-34.1	-37.7	189.4	18.8	3.1	18.6	329.6	331.0	0-4	56.6	33-4	24-
27-3	88-2	9914.8	300.0	-38.0	-44.0	197.0	24.3	7.1	23.2	331.6	332.7	0-2	53.2	35-4	23-
30-3	92-5	10308.7	275.0	-42.6	-49.3	208.5	24.3	12.1	22.3	333.6	333.7	99.0	99.0	38-0	23-
32-3	97-0	10664.2	253.0	-48.0	-49.0	210.5	30.6	15.6	28.5	335.7	335.7	99.0	99.0	41-4	24-
34-3	101-9	11329.1	223.0	-54.5	-49.0	211.9	33.4	17.7	28.4	335.0	335.0	99.0	99.0	45-1	24-
37-2	107-0	12371.9	203.0	-62.9	-49.0	216.0	39.2	23.4	31.5	336.3	336.3	99.0	99.0	49-8	25-
39-2	112-5	12694.7	173.0	-67.5	-49.0	224.0	39.6	27.6	28.7	338.5	338.5	99.0	99.0	56-2	25-
42-0	118-5	13322.7	153.0	-56.3	-49.0	223.3	29.6	20.3	21.6	342.8	339.9	99.0	99.0	62-2	29-
46-2	125-0	16380.0	125.0	-58.0	-49.0	222.6	22.6	15.7	16.3	348.2	339.9	99.0	99.0	68-4	30-
50-7	132-0	16374.6	100.0	-60.5	-49.0	222.7	15.0	10.2	11.0	410.8	339.9	99.0	99.0	73-4	31-
56-0	140-0	18164.9	75.0	-59.0	-49.0	193.2	10.1	2.3	9.8	448.3	339.9	99.0	99.0	77-1	31-
65-0	149-5	2019.5	50.0	-57.4	-49.0	234.0	5-4	4-4	3-2	508.3	339.9	99.0	99.0	79-9	31-
70-6	157-3	25153.0	25.0	-52.2	-49.0	934.0	99.0	99.0	99.0	635.1	339.9	99.0	99.0	78-9	31-

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 582  
NORTH PLATTE, NEBRASKA  
9 MAY 1979  
1105 GMT

157 12. 0

TIME MIN	CNCT	HEIGHT GMM	PRES MB	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E POT T DG K	WH BTD GM/KC	HM PCT	RANGE KM	AZ DG
0.3	15.1	947.0	933.2	3.9	0.5	30.0	9.3	-4.6	-0.1	284.8	296.4	4.4	79.0	0.0	0.
0.8	9.2	97.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
0.9	9.2	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
0.9	9.2	97.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
0.9	9.2	97.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
0.2	1.0.7	826.7	903.0	2.9	2.1	30.6	14.3	-7.3	-12.3	284.5	297.7	5.1	95.5	0.4	227.
1.3	1.0.4	1146.6	875.0	1.2	1.2	37.7	15.1	-9.2	-12.0	285.1	297.6	4.8	99.9	0.9	211.
1.3	2.0.9	1192.5	850.0	3.4	3.4	50.5	11.1	-9.2	-6.1	297.7	305.0	5.8	99.6	1.7	219.
7.7	2.1.5	1020.1	825.0	4.2	4.1	59.1	5.3	-4.6	-2.7	293.0	309.8	6.3	99.4	2.0	223.
3.4	2.1.1	1177.1	823.0	5.5	4.4	15.2	5.2	-1.3	-5.0	297.1	315.0	6.6	92.2	2.1	223.
4.3	2.1.6	2137.4	773.0	6.0	1.0	34.0	6.8	2.1	-0.5	300.3	315.2	5.3	70.1	2.4	217.
5.1	3.1.3	2435.4	753.0	4.0	0.2	32.3	4.4	2.6	-1.5	300.9	315.5	5.2	76.4	2.6	209.
6.2	3.1.1	2.014.6	723.0	3.2	2.3	281.4	4.1	3.6	2.0	303.0	320.5	6.3	93.5	2.6	207.
7.2	3.0.9	2.052.4	703.0	2.9	2.8	203.6	10.9	4.7	9.8	305.7	324.7	6.7	99.0	2.1	206.
8.2	3.1.6	2.063.7	675.0	1.4	1.2	99.9	99.9	99.9	99.9	307.3	325.0	6.2	98.3	99.9	99.9
9.2	4.0.4	3564.7	653.0	-0.1	-1.4	99.9	99.9	99.9	99.9	308.9	324.4	5.4	91.1	99.9	99.9
1.2	4.0.3	197.4.1	625.0	-3.3	-4.0	99.9	99.9	99.9	99.9	312.1	321.5	3.1	52.0	99.9	99.9
1.1	4.0.7	6234.4	603.0	-2.7	-10.0	99.9	99.9	99.9	99.9	313.0	322.1	3.0	57.1	99.9	99.9
1.2.1	4.1.3	4.433.9	575.0	-5.4	-10.5	99.9	99.9	99.9	99.9	313.7	323.8	3.0	67.1	99.9	99.9
1.1.	5.0.3	4.944.1	553.0	-6.3	-11.2	99.9	99.9	99.9	99.9	316.3	323.6	3.0	70.3	99.9	99.9
1.3.0	5.0.5	5.267.7	523.0	-11.1	-12.7	99.9	99.9	99.9	99.9	315.0	323.5	2.7	88.0	99.9	99.9
1.7.3	6.0.7	5.223.4	507.0	-13.5	-16.0	99.9	99.9	99.9	99.9	316.6	323.3	2.2	81.0	99.9	99.9
1.7.5	6.0.3	6.225.9	475.0	-15.4	-21.4	99.9	99.9	99.9	99.9	318.6	323.1	1.4	60.9	99.9	99.9
1.9.1	5.0.4	6.615.3	453.0	-17.8	-31.5	99.9	99.9	99.9	99.9	320.9	322.9	0.6	28.8	99.9	99.9
2.1.4	7.0.2	6.481.3	423.0	-20.8	-32.8	99.9	99.9	99.9	99.9	322.3	324.2	0.6	33.0	99.9	99.9
2.1.4	7.0.2	6.481.3	403.0	-23.7	-36.0	99.9	99.9	99.9	99.9	324.2	325.7	0.4	31.2	99.9	99.9
2.1.5	7.0.3	7.755.2	375.0	-27.2	-41.0	99.9	99.9	99.9	99.9	325.6	324.7	0.3	25.5	28.4	23.
2.1.1	6.0.1	7.468.4	353.0	-31.0	-48.3	207.4	37.5	17.2	33.3	326.9	327.5	0.1	15.3	31.9	23.
2.1.2	6.0.2	9.770.0	325.0	-35.3	-49.4	207.8	37.2	17.3	32.9	328.0	329.5	0.1	21.9	35.9	24.
2.1.7	9.0.3	9.121.4	303.0	-40.7	99.9	209.5	38.0	16.8	33.1	328.1	99.9	99.9	99.9	40.1	24.
3.1.7	8.0.5	1.237.7	275.0	-45.5	99.9	210.8	36.7	18.8	31.5	329.3	99.9	99.9	99.9	44.6	25.
3.2.4	9.0.4	1.033.0.6	253.0	-51.0	99.9	209.6	37.8	18.7	32.0	330.3	99.9	99.9	99.9	49.3	26.
3.2.2	1.0.4	1.1212.1	225.0	-56.8	99.9	207.3	38.8	17.8	34.5	331.4	99.9	99.9	99.9	54.9	26.
3.2.3	1.0.6	1.1450.4	203.0	-61.3	99.9	209.7	35.5	17.0	31.2	335.7	99.9	99.9	99.9	60.9	26.
4.0.5	1.1.5	1.2773.7	175.0	-62.8	99.9	210.1	36.2	21.4	29.3	346.3	99.9	99.9	99.9	66.7	27.
4.3.7	1.2.4	1.3736.0	145.0	-55.0	99.9	211.6	22.8	17.0	27.6	371.7	99.9	99.9	99.9	72.4	27.
4.5.8	1.0.4	1.4338.0	125.0	-57.0	99.9	214.5	22.8	12.9	18.0	391.9	99.9	99.9	99.9	79.3	28.
5.0.3	1.0.7	1.5111.0	100.0	-59.1	99.9	210.7	15.8	7.9	13.2	413.5	99.9	99.9	99.9	85.1	28.
5.0.1	1.0.7	1.4129.1	75.0	-55.5	99.9	187.7	8.9	-1.9	8.7	456.7	99.9	99.9	99.9	92.8	28.
6.0.2	1.0.0	2.2702.4	50.0	-53.6	99.9	232.0	10.2	8.0	6.3	517.1	99.9	99.9	99.9	92.8	28.
7.0.4	1.0.5	2.3194.8	25.0	-49.2	99.9	99.9	99.9	99.9	99.9	643.6	99.9	99.9	99.9	97.1	28.

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





STATION NO. 962  
NORTH PLATTE, NEBRASKA  
9 MAY 1979  
2005 GMT

TIME MIN	CATCF	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DEG K	E POT T DEG K	HK MIO GM/KG	RM PCT	RANGE IN	AZ DEG
0.0	10.7	847.0	912.0	3.0	0.4	160.0	6.2	0.0	-6.2	285.6	297.0	6.3	72.0	0.0	0.0
05.0	09.9	96.7	1043.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
07.0	09.0	96.7	975.0	99.9	99.9	20.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.0	09.0	96.7	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.9	09.9	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	999.9
0.3	15.4	750.7	900.0	3.5	2.5	11.5	13.7	-2.7	-13.4	295.1	298.5	5.1	93.4	0.2	186.0
1.1	10.3	1183.0	975.0	1.1	1.1	11.2	11.1	-2.1	-10.9	285.0	297.4	4.7	101.0	0.7	189.0
2.0	20.4	1415.4	950.0	0.4	0.4	8.8	8.3	-1.3	-6.7	285.0	297.4	4.4	104.8	1.2	192.0
2.4	23.3	1653.4	825.0	-1.6	-1.6	333.3	6.8	0.8	-6.7	285.0	297.4	4.1	100.6	1.5	189.0
3.4	25.9	1403.4	900.0	0.5	0.5	330.4	6.0	3.0	-5.2	291.7	305.2	5.0	100.9	1.8	193.0
4.6	27.4	2150.2	775.0	5.1	-0.1	308.8	2.0	2.2	-1.0	299.3	313.1	4.9	67.9	2.0	179.0
5.7	31.2	2420.7	753.0	4.6	-3.3	193.9	1.9	0.5	1.9	301.6	313.0	6.0	56.4	2.0	177.0
6.5	33.9	2701.1	725.0	3.2	1.7	145.9	4.8	-2.7	4.0	303.0	319.2	5.8	86.6	1.9	180.0
7.4	37.6	2496.1	700.0	1.7	-0.3	174.4	6.7	-0.6	6.5	304.4	319.6	5.4	85.4	1.6	184.0
8.5	37.3	3279.0	675.0	0.1	-5.4	999.9	99.9	99.9	99.9	305.6	316.9	3.0	65.2	1.1	181.0
9.7	42.2	3591.2	650.0	-1.2	-8.4	999.9	99.9	99.9	99.9	307.6	316.9	3.1	57.8	982.9	999.9
13.7	65.1	3473.7	625.0	-3.0	-11.8	999.9	99.9	99.9	99.9	309.0	316.5	2.5	53.6	988.9	999.9
11.9	68.0	4213.2	600.0	-5.2	-10.9	999.9	99.9	99.9	99.9	310.1	318.5	2.8	64.8	988.9	999.9
12.4	51.1	4543.0	575.0	-7.4	-8.1	999.9	99.9	99.9	99.9	311.3	322.1	3.6	96.7	979.9	999.9
14.0	54.1	4743.7	550.0	-8.9	-21.3	999.9	99.9	99.9	99.9	313.5	317.6	1.3	35.9	999.9	999.9
14.3	57.1	5243.7	525.0	-10.2	-24.5	999.9	99.9	99.9	99.9	316.2	311.5	0.7	20.6	999.9	999.9
16.7	67.4	5627.7	500.0	-13.0	-25.7	999.9	99.9	99.9	99.9	317.2	323.2	0.7	32.0	999.9	999.9
17.9	63.9	6010.4	475.0	-15.9	-23.5	999.9	99.9	99.9	99.9	318.3	322.3	1.2	52.0	999.9	999.9
19.7	67.3	6421.7	450.0	-19.1	-22.8	999.9	99.9	99.9	99.9	319.3	323.7	1.2	71.9	986.9	999.9
21.4	72.7	6444.6	425.0	-22.1	-27.2	999.9	99.9	99.9	99.9	320.6	323.8	1.0	63.3	21.6	17.0
23.1	74.5	7287.4	400.0	-25.6	-27.7	198.1	38.9	12.1	37.0	321.7	325.0	1.0	82.6	25.1	17.0
24.7	79.1	7753.7	375.0	-27.9	-33.4	203.6	41.8	16.7	38.3	324.7	326.8	0.6	59.1	28.3	18.0
25.3	82.3	8240.3	350.0	-31.3	-43.1	205.4	42.1	18.1	38.0	326.6	327.5	0.2	30.4	33.5	19.0
27.3	86.3	8760.5	325.0	-35.5	-44.6	208.3	42.2	18.0	38.2	327.7	328.6	0.2	41.4	38.2	20.0
30.2	93.6	9319.0	300.0	-39.5	-49.9	208.7	48.8	18.3	38.5	329.7	329.9	0.9	999.9	42.9	20.0
32.4	95.0	9407.4	275.0	-44.6	-49.9	203.5	41.5	14.5	38.0	330.7	329.9	0.9	999.9	48.1	21.0
34.7	97.8	10531.1	250.0	-49.8	-49.9	204.3	39.4	16.2	35.9	332.1	329.9	0.9	999.9	53.9	21.0
37.2	104.8	11220.4	225.0	-55.2	-49.9	206.5	37.2	16.4	33.3	333.9	329.9	0.9	999.9	59.6	21.0
37.7	110.2	11462.4	200.0	-60.5	-49.9	204.1	41.1	16.7	37.5	337.0	329.9	0.9	999.9	66.0	22.0
42.4	116.0	12792.7	175.0	-66.0	-49.9	211.6	38.1	20.7	32.5	340.8	329.9	0.9	999.9	72.5	22.0
45.9	122.3	13773.1	150.0	-55.1	-49.9	206.4	27.1	12.0	26.3	375.2	329.9	0.9	999.9	78.0	23.0
50.8	129.3	14434.6	125.0	-55.2	-49.9	204.3	26.5	11.8	23.8	395.1	329.9	0.9	999.9	84.5	23.0
54.8	137.0	16351.3	100.0	-54.5	-49.9	197.2	14.8	4.9	15.9	414.7	329.9	0.9	999.9	90.2	23.0
61.2	146.0	16191.4	75.0	-53.7	-49.9	211.4	12.6	0.6	10.8	460.3	329.9	0.9	999.9	96.2	23.0
64.8	156.3	23774.4	50.0	-56.8	-49.9	183.9	10.4	0.5	10.3	516.5	329.9	0.9	999.9	101.5	23.0
83.2	166.5	25250.5	25.0	-50.1	-49.9	271.3	8.5	0.5	-0.2	640.9	329.9	0.9	999.9	108.3	23.0

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

STATION NO. 562  
NORTH PLATTE, NEBRASKA  
9 MAY 1979  
2305 GMT

TIME M/Y	CNCT	HEIGHT GMS	PRES MB	TEMP UC C	DEW PT OC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T OC K	E POF T OC K	WIND CM/SEC	RH PCT	RANGE KM	AZ DC
0.0	13.6	867.0	912.0	6.1	-0.2	360.0	9.3	0.0	-9.3	286.7	297.8	4.1	64.0	0.0	0.
0.5	92.0	94.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
1.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
1.5	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
2.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
2.5	14.7	91.6	912.0	2.6	0.7	165.5	11.6	-3.3	-11.1	286.2	296.1	4.5	67.1	0.4	196.
3.0	17.0	119.2	975.0	1.1	0.9	17.1	12.6	-3.6	-11.8	285.0	297.2	4.7	97.9	1.0	196.
3.5	19.3	161.5	950.0	-0.6	-0.7	19.4	12.6	-4.2	-11.9	285.5	296.9	4.3	94.0	1.7	197.
4.0	21.6	165.3	925.0	-2.5	-2.5	22.6	11.0	-4.2	-10.2	286.0	296.4	3.9	103.7	2.4	198.
4.5	23.9	143.8	900.0	-0.5	-0.5	20.7	7.7	-2.7	-7.2	286.6	303.1	4.6	101.0	3.0	199.
5.0	26.3	215.8	875.0	4.1	-2.1	57.1	4.8	-4.1	-2.6	286.3	310.1	4.2	63.8	3.2	199.
5.5	28.7	242.2	850.0	4.0	2.1	125.0	5.9	-4.6	3.4	311.0	317.6	6.0	87.9	3.3	200.
6.0	31.1	268.1	825.0	4.1	-3.2	166.2	7.6	-4.8	7.4	304.0	318.0	6.7	59.0	3.1	200.
6.5	33.6	249.3	800.0	7.9	-0.2	191.6	12.6	2.5	12.2	305.8	318.5	3.0	43.9	2.5	217.
7.0	36.1	327.6	775.0	0.8	-0.1	199.6	14.9	5.0	14.1	306.5	319.9	2.8	47.4	1.7	226.
7.5	38.7	357.9	750.0	-1.2	-0.7	211.4	14.7	7.7	12.6	307.6	318.2	3.6	66.3	0.9	263.
8.0	41.3	389.2	725.0	-3.8	-5.7	099.2	94.9	98.9	99.9	308.2	318.9	4.0	86.4	309.3	100.
8.5	43.9	421.1	700.0	-6.0	-6.4	099.9	99.9	99.9	99.9	309.2	320.8	3.9	95.8	309.3	100.
9.0	46.7	454.7	675.0	-9.2	-8.6	099.9	99.9	99.9	99.9	310.3	320.8	3.5	97.6	309.9	100.
9.5	49.6	494.9	650.0	-10.8	-13.3	099.9	99.9	99.9	99.9	311.2	318.9	2.5	82.0	309.9	100.
10.0	52.3	544.9	625.0	-13.1	-13.9	099.9	99.9	99.9	99.9	312.6	320.4	2.5	82.0	309.9	100.
10.5	55.2	591.8	600.0	-14.3	-19.0	099.9	99.9	99.9	99.9	313.2	319.6	1.7	79.4	12.1	16.
11.0	58.1	609.3	575.0	-17.4	-20.7	281.4	35.9	13.1	13.4	316.5	319.4	0.9	48.0	14.9	17.
11.5	61.1	640.1	550.0	-23.2	-20.7	186.6	36.2	11.7	16.3	317.9	320.7	0.8	43.4	18.5	17.
12.0	64.4	682.4	525.0	-23.1	-20.7	192.2	37.9	12.5	15.5	319.3	322.2	0.8	50.1	22.2	18.
12.5	67.6	726.5	500.0	-25.4	-41.6	199.5	40.9	13.6	16.6	321.5	322.4	0.2	29.9	26.2	18.
13.0	71.0	773.1	475.0	-28.5	-64.2	201.3	42.6	14.7	16.7	323.9	323.9	0.0	1.0	33.7	18.
13.5	74.6	822.4	450.0	-32.1	-70.6	220.1	41.6	15.0	18.0	325.5	325.5	0.0	1.0	36.0	19.
14.0	79.3	874.4	425.0	-34.9	-88.4	202.6	43.9	16.9	18.5	325.9	325.9	0.0	4.4	41.6	19.
14.5	82.0	924.4	400.0	-41.3	94.7	203.9	37.1	17.1	15.2	327.2	327.2	99.9	99.9	47.2	20.
15.0	86.3	974.7	375.0	-45.3	99.9	208.5	41.1	19.6	16.6	329.6	329.6	99.9	99.9	53.6	21.
15.5	91.2	1030.9	350.0	-50.5	99.9	211.0	36.8	20.0	13.2	331.0	331.0	99.9	99.9	60.7	22.
16.0	96.6	1112.0	325.0	-55.8	99.9	219.2	36.3	19.1	13.2	333.0	333.0	99.9	99.9	67.4	22.
16.5	99.2	1182.7	300.0	-59.8	99.9	218.9	51.8	32.6	40.3	338.2	338.2	99.9	99.9	75.8	23.
17.0	104.4	1276.0	275.0	-54.4	99.9	222.2	25.7	17.3	19.0	360.2	360.2	99.9	99.9	82.3	24.
17.5	110.4	1376.7	250.0	-56.1	92.0	204.3	26.9	11.1	24.5	373.5	373.5	99.9	99.9	88.0	25.
18.0	116.3	1460.4	225.0	-53.7	99.9	203.5	20.1	8.0	18.5	397.8	397.8	99.9	99.9	93.3	25.
18.5	123.3	1632.1	200.0	-57.6	99.9	211.1	22.7	11.7	19.4	416.5	416.5	99.9	99.9	99.3	26.
19.0	131.5	1916.2	175.0	-56.5	99.9	226.4	13.8	9.6	9.2	454.5	454.5	99.9	99.9	104.4	25.
19.5	142.3	2073.0	150.0	-56.1	99.9	90.5	12.4	-12.4	0.1	511.0	511.0	99.9	99.9	118.1	25.
20.0	155.5	2211.0	125.0	-49.0	99.9	202.2	12.1	11.2	-4.4	643.9	643.9	99.9	99.9	115.9	26.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE ON TIME WAVE OPEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 562  
NORTH PLATTE, NEBRASKA

19 MAY 1979  
205 GMT

190 17. 0

TIME	ENTCT	WEIGHT	PHES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E PCT F	WX RTO	RM	RANGE	AZ
MM		GM	MJ	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/KG	PCY	MM	DC
0.0	17.1	607.0	912.0	3.3	-0.7	12.0	7.2	-1.3	-7.1	283.8	294.4	4.0	75.0	0.8	0.
0.3	9.0	97.9	1073.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.3	9.0	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.3	9.0	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.3	9.0	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.6	10.1	358.2	903.0	1.5	0.8	99.9	99.9	99.9	99.9	203.0	294.8	4.5	55.2	99.9	999.
1.1	23.7	1192.5	975.0	-3.5	-0.5	99.9	99.9	99.9	99.9	283.3	294.8	4.2	101.5	99.9	999.
1.8	29.2	1681.9	875.0	-2.2	-2.2	99.9	99.9	99.9	99.9	283.8	294.8	3.8	102.0	1.5	191.
2.7	25.7	1684.9	875.0	-3.3	-3.3	17.0	13.2	-4.0	-12.5	291.1	294.8	3.6	101.0	2.1	193.
3.7	24.2	1975.3	900.0	0.3	0.3	21.5	11.0	-0.0	-10.2	291.5	304.7	4.9	102.3	2.8	195.
4.6	31.7	2150.7	770.0	2.4	1.6	30.9	7.2	-3.7	-6.2	296.4	311.6	5.5	94.1	3.4	196.
5.5	33.3	2161.3	770.0	4.1	2.4	129.6	5.2	-4.0	3.3	301.1	315.3	6.1	84.6	3.6	196.
6.6	35.9	2172.5	775.0	5.1	-3.7	174.6	9.3	-0.9	9.2	303.0	315.7	4.3	53.3	3.2	222.
7.6	34.5	2174.3	770.0	2.6	-2.4	187.8	13.6	1.9	13.5	303.4	315.6	4.6	69.5	2.6	237.
8.4	41.2	3272.2	675.0	0.2	-1.4	188.6	15.5	2.3	15.3	305.9	320.6	5.2	69.4	1.5	222.
9.7	46.0	3737.9	675.0	-2.2	-2.2	191.0	15.4	2.9	15.1	306.5	320.6	5.0	99.4	0.5	258.
1.0	6.8	3483.3	625.0	-3.5	-3.4	195.6	18.8	5.1	18.2	308.2	321.7	4.6	103.4	1.0	323.
1.1	6.7	4237.3	600.0	-5.5	-5.5	201.2	21.6	7.8	20.2	309.7	322.2	6.2	103.2	2.3	353.
1.3	5.6	4440.1	575.0	-7.6	-7.6	202.9	24.4	9.5	22.5	311.1	322.3	3.8	99.9	3.4	37.
1.4	5.6	4975.7	575.0	-9.1	-9.1	201.0	28.6	10.2	26.7	313.3	323.8	3.5	99.7	5.1	12.
1.5	6.7	5412.1	575.0	-10.7	-10.4	201.5	32.8	12.1	30.5	315.6	325.4	3.2	99.4	7.2	14.
1.6	6.7	6008.3	575.0	-13.1	-13.4	203.5	35.2	14.0	32.3	317.1	325.5	2.7	97.9	9.8	17.
1.7	6.3	6508.3	475.0	-15.7	-16.3	201.5	34.8	12.8	32.4	318.6	325.9	2.3	97.5	12.2	18.
1.8	6.4	6418.3	475.0	-19.7	-19.4	201.6	33.6	12.3	31.1	319.7	325.6	1.8	94.2	14.7	18.
2.0	7.7	6417.4	425.0	-22.6	-23.9	207.0	35.6	16.1	31.7	320.3	324.6	1.3	87.2	17.7	19.
2.1	7.6	7293.2	403.0	-25.7	-29.1	205.0	42.8	18.1	38.8	321.6	324.5	0.9	72.9	21.5	21.
2.7	18.4	7741.4	375.0	-29.7	-37.2	202.4	45.5	17.3	42.1	323.6	325.2	0.4	43.5	26.0	21.
2.8	8.6	8236.4	350.0	-31.9	-31.1	202.5	43.9	15.4	41.1	325.0	325.1	0.1	12.8	31.3	21.
2.9	8.5	8755.4	325.0	-35.8	-34.0	200.8	40.5	14.4	37.9	327.1	32.6	0.1	13.4	35.9	21.
3.0	6.7	9106.3	300.0	-42.2	-39.3	203.0	42.3	17.1	36.6	328.7	92.3	99.9	79.9	43.7	21.
3.1	9.4	9193.7	275.0	-44.2	-44.2	203.0	47.6	18.9	44.5	331.2	99.9	99.9	99.9	46.2	22.
3.2	9.8	10528.2	250.0	-48.7	-48.7	193.7	47.3	11.2	46.3	333.6	99.9	99.9	99.9	52.9	21.
3.3	10.2	11211.9	225.0	-54.7	-54.7	195.2	44.7	12.1	43.0	336.7	99.9	99.9	99.9	62.1	20.
3.4	10.2	11756.1	200.0	-59.6	-59.6	206.1	44.6	19.4	39.4	338.6	99.9	99.9	99.9	67.6	20.
4.0	14.8	12782.9	175.0	-53.9	-53.9	211.3	37.9	23.8	32.1	342.8	99.9	99.9	99.9	75.7	21.
4.3	17.8	13754.5	150.0	-56.2	-56.2	213.3	24.3	13.3	17.3	343.3	99.9	99.9	99.9	83.5	22.
4.4	17.3	14709.4	125.0	-56.1	-56.1	203.4	27.8	11.0	25.5	343.5	99.9	99.9	99.9	86.0	22.
5.0	14.7	15244.6	100.0	-54.4	-57.7	216.2	16.7	5.1	13.8	418.0	99.9	99.9	99.9	92.1	23.
5.7	14.2	13152.5	75.0	-56.0	-59.9	169.2	12.9	-2.6	13.7	453.3	99.9	99.9	99.9	99.9	99.9
6.4	14.4	20721.9	50.0	-55.8	-59.9	224.2	11.1	7.7	7.9	518.0	99.9	99.9	99.9	102.6	22.
6.5	16.7	25701.3	25.0	-51.0	-59.9	247.8	5.8	5.4	2.2	638.3	99.9	99.9	99.9	105.4	23.

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

STATION NO. 562  
NORTH PLATTE, NEBRASKA  
10 MAY 1979  
505 GMT

TIME MIN	CMTCY	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.7	687.0	914.0	1.7	-1.7	360.0	5.7	0.0	-5.7	282.0	291.8	3.7	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	999.9
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	999.9
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	999.9
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	999.9
0.5	15.0	971.1	900.0	-0.2	-0.8	5.3	13.3	-1.2	-13.3	281.3	291.9	4.0	95.7	0.3	185.
1.2	17.6	1176.3	875.0	-2.0	-2.0	10.0	14.3	-2.5	-14.3	281.6	291.9	4.0	102.7	0.9	166.
2.0	19.9	1426.6	850.0	-3.0	-3.0	17.7	14.6	-6.4	-13.7	283.0	292.5	3.6	102.5	1.6	169.
2.3	22.3	1426.6	825.0	-0.6	-0.6	25.5	13.9	-6.0	-12.5	287.9	299.9	4.5	102.6	2.3	193.
3.7	24.9	1412.6	800.0	2.6	2.6	34.9	10.6	-6.1	-8.7	293.9	309.6	5.8	99.8	3.0	197.
6.7	27.3	2170.1	775.0	2.8	2.8	68.1	3.1	-2.8	-1.3	298.9	313.4	6.1	101.3	3.4	199.
5.6	29.4	2336.3	750.0	3.6	3.0	187.8	4.9	0.8	4.8	302.3	318.1	6.4	95.9	3.3	199.
6.5	32.6	2712.4	725.0	3.2	2.7	248.6	10.3	4.3	9.3	303.0	320.9	6.6	96.4	2.6	199.
7.5	35.1	2730.6	700.0	1.5	0.7	999.9	99.9	99.9	99.9	306.2	320.7	5.8	95.1	2.1	197.
8.5	37.4	3290.7	675.0	0.9	-0.3	799.9	99.9	99.9	99.9	306.6	322.5	5.6	91.9	999.9	999.
9.5	40.4	3920.5	650.0	-1.2	-1.4	999.9	99.9	99.9	99.9	307.6	322.9	5.3	99.9	999.9	999.
10.7	43.2	3734.9	625.0	-2.8	-2.8	999.9	99.9	99.9	99.9	309.3	323.8	5.0	101.7	999.9	999.
11.4	46.1	4227.0	600.0	-5.3	-5.3	999.9	99.9	99.9	99.9	310.0	322.6	4.3	102.2	2.4	18.
12.9	49.0	4541.3	575.0	-6.8	-6.4	999.9	99.9	8.5	21.7	312.0	324.0	4.0	102.0	3.7	29.
14.2	52.0	4707.5	550.0	-9.0	-9.0	203.1	29.9	11.3	26.6	313.4	324.1	3.5	103.8	5.4	27.
15.2	55.0	5206.7	525.0	-11.3	-11.3	202.4	32.0	12.2	29.6	314.8	324.2	3.1	100.5	7.6	26.
16.3	58.1	5639.7	500.0	-14.1	-14.1	201.4	32.7	12.0	30.5	315.9	323.9	2.6	100.1	9.8	25.
17.5	61.3	6227.6	475.0	-16.7	-16.8	199.7	34.1	11.5	32.1	317.3	324.1	2.2	99.7	12.1	24.
18.6	64.4	6832.0	450.0	-19.7	-19.8	199.5	35.8	11.9	33.8	318.5	324.2	1.8	98.6	14.5	23.
19.7	67.9	6953.5	425.0	-23.3	-21.9	201.6	39.4	14.5	36.6	319.1	321.2	0.6	45.1	16.8	23.
20.7	71.3	7244.7	400.0	-26.1	-26.5	202.2	42.2	15.6	38.1	321.1	321.7	0.2	14.0	19.3	23.
22.1	75.0	7759.3	375.0	-29.9	-29.9	203.5	42.4	16.9	38.9	323.3	323.5	0.0	5.4	22.8	23.
23.4	78.7	8294.8	350.0	-32.2	-32.2	203.6	43.8	17.6	40.1	325.3	325.5	0.0	6.9	27.3	23.
24.6	82.5	8769.2	325.0	-35.7	-38.0	203.6	41.7	16.6	38.3	327.5	327.7	0.0	7.9	32.1	23.
27.4	86.7	9321.1	300.0	-40.0	99.9	202.7	41.9	16.2	38.6	329.0	329.9	0.0	999.9	36.3	23.
29.3	90.9	9799.4	275.0	-44.5	99.9	196.1	42.6	11.8	41.0	330.8	329.9	99.9	999.9	41.4	23.
31.5	95.6	10542.7	250.0	-47.7	99.9	190.5	41.4	7.6	40.8	335.2	329.9	99.9	999.9	46.7	22.
33.7	100.2	11229.0	225.0	-54.1	99.9	194.0	44.8	10.8	43.5	335.6	329.9	99.9	999.9	52.3	20.
36.4	105.3	11873.2	200.0	-60.4	99.9	202.1	39.4	14.9	34.5	337.2	329.9	99.9	999.9	59.2	20.
37.5	110.4	12433.4	175.0	-58.5	99.9	205.5	37.7	16.2	34.0	353.4	329.9	99.9	999.9	66.4	21.
42.7	116.4	13745.8	150.0	-60.4	99.9	208.7	35.2	16.9	30.9	360.1	329.9	99.9	999.9	74.8	21.
46.3	123.5	14911.1	125.0	-57.2	99.9	216.9	23.3	14.0	18.7	391.5	329.9	99.9	999.9	79.9	22.
51.7	131.0	16326.2	100.0	-57.6	99.9	214.4	16.6	9.4	13.7	416.5	329.9	99.9	999.9	85.3	23.
57.2	134.3	19147.7	75.0	-58.7	99.9	230.7	11.4	9.7	5.9	449.9	329.9	99.9	999.9	90.6	23.
64.0	148.7	20725.2	50.0	-53.2	99.9	205.7	7.8	3.3	7.0	518.1	329.9	99.9	999.9	95.1	24.
79.3	159.0	24617.7	25.0	-52.4	99.9	276.2	3.7	3.7	-0.4	634.0	329.9	99.9	999.9	98.0	24.

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

STATION NO. 62  
NORTH PLATTE, NEBRASKA

10 MAY 005 GRT 1979

105 14. 0

TIME MIN	CHCY	WEIGHT GPH	DRYS MG	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	RR STD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.3	847.0	914.0	2.2	-1.0	10.0	5.1	-0.9	-5.0	202.5	292.3	3.7	75.0	0.0	0.
00.0	99.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
01.0	99.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
02.0	99.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
03.0	99.0	99.0	925.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
04.0	15.5	971.2	903.0	-0.4	-1.5	6.9	0.4	-0.0	-0.4	201.1	291.2	3.0	92.0	0.3	100.
05.0	17.7	1195.9	875.0	-2.5	-2.5	4.5	0.4	-0.7	-0.3	201.2	290.7	3.0	101.5	0.6	107.
06.0	17.2	1425.4	850.0	-4.1	-0.1	10.5	19.1	-1.0	-0.9	201.0	290.6	3.3	101.3	1.1	106.
07.0	22.2	1661.2	825.0	-0.1	-0.1	30.3	11.2	-0.7	-0.7	200.3	293.5	3.4	101.3	1.6	100.
08.0	24.5	1735.4	800.0	-2.0	-2.0	55.1	11.2	-0.2	-0.4	200.0	300.2	4.1	101.6	2.1	100.
09.0	26.8	215.4	775.0	0.2	0.2	88.5	6.0	-0.2	-0.2	200.0	307.7	5.0	100.6	2.5	207.
10.0	28.5	242.1	750.0	1.0	1.0	170.5	4.0	-0.0	4.7	207.7	312.0	5.5	102.7	2.6	211.
11.0	31.7	265.2	725.0	0.4	0.4	192.0	0.7	1.9	0.4	300.1	315.0	5.5	103.0	2.0	215.
12.0	31.7	267.2	700.0	0.2	0.2	198.6	9.4	3.0	0.9	322.7	319.4	5.6	102.0	1.6	221.
13.0	36.4	326.5	675.0	-1.6	-1.6	218.0	11.7	7.2	9.2	303.9	318.2	5.1	103.0	1.3	220.
14.0	34.9	356.2	650.0	-4.2	-4.2	218.0	94.9	99.0	99.0	304.2	316.6	6.2	97.9	99.0	999.
15.0	31.5	397.1	625.0	-5.0	-5.7	209.9	99.0	99.0	99.0	300.0	317.7	6.0	94.2	99.0	999.
16.0	34.1	419.7	600.0	-5.9	-5.9	209.9	99.0	99.0	99.0	309.4	321.5	6.1	101.0	2.1	30.
17.0	44.9	453.4	575.0	-6.0	-6.0	195.4	20.2	7.5	27.1	312.0	324.0	4.0	100.0	4.3	26.
18.0	49.4	407.5	550.0	-9.1	-9.1	193.1	32.4	7.4	31.6	313.3	323.0	3.5	99.5	0.1	22.
19.0	52.4	523.7	525.0	-11.7	-12.1	194.2	34.7	0.5	33.0	310.4	321.2	2.9	96.0	0.0	19.
20.0	55.4	560.5	500.0	-14.5	-15.2	197.6	35.1	10.0	33.5	315.4	322.0	2.4	94.3	10.0	10.
21.0	59.3	595.6	475.0	-17.5	-18.6	199.0	34.2	11.2	32.3	310.4	322.3	1.9	90.9	13.3	19.
22.0	61.4	639.7	450.0	-20.5	-21.5	201.0	35.6	13.3	33.0	317.5	322.0	1.5	91.2	15.9	19.
23.0	67.4	741.3	425.0	-23.7	-26.7	207.2	37.7	17.3	33.5	318.4	321.0	1.0	78.0	18.4	20.
24.0	67.4	741.3	400.0	-25.8	-26.4	207.0	41.0	19.0	32.5	321.5	321.5	0.0	1.0	22.0	21.
25.0	71.7	772.5	375.0	-27.9	-27.8	205.9	43.6	19.0	39.2	320.4	324.7	0.0	1.0	30.6	22.
26.0	74.6	821.7	350.0	-31.6	-31.6	207.5	43.2	20.0	30.3	320.2	326.2	0.0	1.0	30.6	22.
27.0	78.1	873.1	325.0	-35.1	-35.1	206.4	45.9	20.4	41.1	320.3	328.3	0.0	1.0	35.4	23.
28.0	82.0	949.7	300.0	-38.8	-38.8	206.2	42.8	11.0	61.1	330.7	330.7	0.0	1.0	40.2	23.
29.0	84.0	949.7	275.0	-43.0	-43.0	199.9	47.4	9.9	60.3	331.0	330.9	99.0	999.0	44.9	22.
30.0	92.2	1151.0	250.0	-47.0	-47.0	193.6	46.5	10.5	43.3	334.0	334.0	99.0	999.0	50.0	21.
31.0	94.7	1120.6	225.0	-52.7	-52.7	193.5	43.0	19.3	41.7	337.7	339.0	99.0	999.0	57.0	20.
32.0	99.4	1176.7	200.0	-58.4	-58.4	189.9	43.0	7.3	42.3	308.2	339.0	99.0	999.0	63.0	19.
33.0	104.8	1270.5	175.0	-61.0	-61.0	194.0	42.3	10.3	41.1	307.9	339.0	99.0	999.0	69.0	18.
34.0	117.5	1374.5	150.0	-50.5	-50.5	206.9	32.4	10.7	20.9	375.0	375.0	99.0	999.0	70.2	19.
35.0	110.9	1407.6	125.0	-57.3	-57.3	220.3	22.0	10.7	17.4	291.3	339.0	99.0	999.0	80.2	20.
36.0	120.2	1632.2	100.0	-58.4	-58.4	225.4	17.0	12.7	12.8	410.0	339.0	99.0	999.0	80.0	21.
37.0	132.3	1910.0	75.0	-50.7	-50.7	200.3	12.0	4.2	11.4	400.0	339.0	99.0	999.0	90.0	21.
38.0	142.5	2015.4	50.0	-54.9	-54.9	172.9	8.5	-1.1	0.5	510.1	339.0	99.0	999.0	90.0	21.
39.0	153.5	2515.3	25.0	-52.5	-52.5	236.0	0.0	0.7	3.7	633.9	339.0	99.0	999.0	90.0	21.

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

STATION NO. 562  
NORTH PLATTE, NEBRASKA  
18 MAY 1979  
1100 GMT

TIME MIN	CHTCY	WEIGHT GPM	PRES MB	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT V DG K	E POT V DG K	WX WFO GM/KG	AM PCT	RANGE AZ KM	180	180	0
0-0	14-5	647.2	913.3	0-6	-0-8	300-0	5-1	0-0	-5-1	281-0	291-3	3-9	99-0	0-0	0-0	0-0	0-
0-9	04-0	69-9	1000-0	99-9	99-9	99-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
9-9	97-0	99-9	975-0	99-9	99-9	99-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
9-9	97-9	99-9	950-0	99-9	99-9	99-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
9-9	97-9	99-9	925-0	99-9	99-9	99-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
0-0	15-0	968-5	930-0	-0-8	-1-1	2-7	14-3	-6-5	-11-3	280-7	290-9	3-9	97-9	0-2	183-	0-2	183-
1-3	18-3	1188-7	875-0	-2-9	-2-9	9-0	12-2	-1-9	-12-0	280-8	290-1	3-5	103-1	0-0	180-	0-0	180-
2-2	23-9	1418-1	850-0	-4-3	-4-3	19-2	12-7	-0-2	-12-0	281-7	290-4	3-3	102-8	1-4	189-	1-4	189-
3-0	23-3	1653-3	825-0	-4-3	-4-3	41-3	12-0	-7-9	-9-3	298-1	293-1	3-4	102-9	2-0	193-	2-0	193-
3-9	25-9	1897-8	803-0	-0-7	-0-7	78-8	10-5	-10-3	-2-1	298-3	302-6	4-9	102-5	2-5	203-	2-5	203-
4-0	24-6	2157-5	775-0	0-5	0-5	123-2	7-3	-0-1	4-0	298-4	308-4	5-1	102-7	2-7	213-	2-7	213-
5-6	31-2	2416-5	752-0	1-4	1-4	158-4	6-5	-0-8	5-0	298-2	318-8	5-7	102-8	2-6	219-	2-6	219-
6-5	34-3	2682-5	725-0	0-2	0-2	174-8	6-4	-0-6	6-4	299-7	318-6	5-4	102-6	2-4	227-	2-4	227-
7-5	36-7	2971-5	702-0	-0-1	-0-1	190-9	6-7	-2-3	8-3	322-6	313-6	3-9	72-2	2-1	232-	2-1	232-
8-5	37-6	3261-4	675-0	-2-3	-2-3	205-9	9-9	99-9	99-9	332-1	312-9	3-6	71-0	0-9	249-	0-9	249-
9-5	42-3	3561-0	650-0	-4-2	-4-2	220-9	9-9	99-9	99-9	304-3	313-2	3-1	70-6	0-9	259-	0-9	259-
10-4	47-3	3859-4	625-0	-6-0	-6-0	235-9	9-9	99-9	99-9	305-5	313-9	2-8	72-2	0-9	269-	0-9	269-
11-7	47-3	4107-9	600-0	-6-2	-11-0	250-9	9-9	99-9	99-9	306-7	314-9	2-7	73-8	0-9	279-	0-9	279-
12-2	51-3	4318-5	575-0	-9-1	-11-1	266-9	9-9	99-9	99-9	309-4	317-9	2-8	84-8	0-9	289-	0-9	289-
14-9	56-4	4962-5	550-0	-9-9	-11-7	282-8	35-3	10-8	32-1	312-6	321-1	2-6	86-2	7-0	320-	7-0	320-
15-3	57-5	5221-1	525-0	-11-6	-13-5	297-6	36-1	10-9	34-4	318-5	322-6	2-6	85-7	9-8	280-	9-8	280-
16-6	60-8	5593-6	500-0	-14-1	-16-3	312-5	38-1	12-1	36-1	315-0	322-5	2-1	83-5	12-4	280-	12-4	280-
18-1	64-1	5993-4	475-0	-17-6	-19-7	328-3	38-4	16-0	35-0	316-2	321-5	1-7	83-6	15-0	280-	15-0	280-
19-8	67-5	6382-7	450-0	-23-8	-31-3	343-5	40-1	16-0	34-0	317-1	319-9	0-8	81-9	19-8	280-	19-8	280-
21-4	71-0	6997-4	425-0	-29-6	-37-3	358-1	42-3	17-3	38-9	322-6	322-7	0-0	81-0	23-9	280-	23-9	280-
23-2	74-7	7252-3	400-0	-23-7	-35-7	373-7	42-3	17-0	38-7	324-2	324-3	0-0	81-0	28-3	280-	28-3	280-
24-9	74-6	7221-6	375-0	-26-1	-42-6	388-1	41-3	17-5	37-4	327-0	327-1	0-0	81-0	32-5	280-	32-5	280-
27-9	82-3	8214-0	350-0	-30-7	-49-6	403-2	39-9	18-3	36-4	327-3	327-4	0-3	81-0	37-4	280-	37-4	280-
29-4	86-3	8737-4	325-0	-34-6	-52-2	417-6	40-5	12-3	36-6	328-9	327-0	0-0	81-0	42-0	280-	42-0	280-
31-4	92-6	9293-3	300-0	-37-8	-54-3	432-5	39-3	7-1	36-6	332-1	332-2	0-0	81-0	47-0	280-	47-0	280-
32-3	95-0	9995-9	275-0	-43-3	-61-3	448-1	41-6	9-4	40-5	332-5	332-5	99-9	99-9	51-5	280-	51-5	280-
35-1	99-9	10520-1	250-0	-48-6	-69-9	464-0	41-2	12-8	39-2	333-9	333-9	99-9	99-9	56-9	280-	56-9	280-
37-4	104-6	11200-0	225-0	-53-5	-77-9	480-1	39-6	14-3	37-0	336-6	336-6	99-9	99-9	62-6	280-	62-6	280-
40-1	110-9	11753-3	200-0	-58-1	-85-9	496-0	40-6	10-6	39-0	339-2	339-2	99-9	99-9	69-1	280-	69-1	280-
42-8	115-9	12786-6	175-0	-59-3	-91-9	512-0	39-5	12-3	37-5	352-0	352-0	99-9	99-9	75-3	280-	75-3	280-
46-3	122-9	13787-7	150-0	-60-4	-99-9	528-0	33-8	13-7	30-9	366-1	366-1	99-9	99-9	82-2	280-	82-2	280-
48-9	129-0	14702-7	125-0	-55-3	-99-9	544-0	18-6	12-3	14-0	374-0	374-0	99-9	99-9	88-1	280-	88-1	280-
54-2	137-0	16337-1	100-0	-57-2	-99-9	560-0	14-6	10-2	10-3	417-3	417-3	99-9	99-9	96-3	280-	96-3	280-
59-5	146-0	18162-3	75-0	-57-5	-99-9	576-0	16-4	8-2	14-3	452-3	452-3	99-9	99-9	100-3	280-	100-3	280-
67-1	156-3	20793-1	50-0	-56-2	-99-9	592-0	18-7	3-4	18-3	511-1	511-1	99-9	99-9	106-0	280-	106-0	280-
78-0	167-0	25210-7	25-0	-51-3	-99-9	608-0	8-1	9-3	3-0	637-2	637-2	99-9	99-9	100-0	280-	100-0	280-

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

STATION NO. 20  
ADA, OKLAHOMA

9 MAY 1979  
1426 GMT

129 98. 0

TIME MIN	CNTCY	HEIGHT GPM	PRES WD	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 POF T DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
2-3	9-6	312.2	971.0	21.0	15.6	190.0	6.2	9.0	6.2	297.5	328.2	11.0	68.0	0.0	0.
6-9	9-9	89.9	1023.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
6-9	9-9	97.0	972.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
5-7	11-5	591.3	950.0	16.2	15.6	195.5	3.4	12.3	12.3	296.7	328.0	11.9	79.8	8.5	7.
1-6	11-9	733.4	925.0	16.9	15.2	203.0	5.7	13.4	13.4	296.6	327.0	11.9	89.9	1.1	16.
2-5	16-4	966.2	900.0	15.3	14.6	203.3	7.1	16.5	16.5	297.3	327.9	11.5	89.9	2.1	19.
3-5	14-7	1203.2	875.0	13.7	12.6	202.5	7.3	17.6	17.6	298.0	326.5	10.7	94.6	3.1	21.
4-6	21-2	1467.6	852.0	12.4	11.4	198.2	6.1	18.7	18.7	299.3	326.4	10.2	95.0	4.1	21.
5-2	23-7	1699.0	825.0	10.2	-3.1	191.0	22.9	6.7	22.4	299.3	312.2	4.6	46.4	5.2	20.
6-6	24-2	1977.2	800.0	17.1	-33.5	188.5	3.7	24.0	24.0	309.4	310.4	0.3	1.9	6.9	17.
7-6	28-0	2227.2	775.0	16.4	-37.9	194.1	6.1	24.8	24.8	313.2	313.0	0.2	1.0	8.4	18.
9-4	31-4	2509.7	753.0	16.4	-37.9	195.2	23.3	6.1	22.5	314.4	315.1	0.4	1.3	9.8	18.
9-4	30-1	2793.4	725.0	14.3	-30.9	196.6	6.5	21.6	21.6	315.3	316.9	0.5	3.0	11.2	18.
11-5	30-9	3087.6	703.0	11.4	-27.6	201.0	6.3	18.7	18.7	316.4	317.7	1.0	9.2	14.2	17.
11-6	3-6	3390.9	675.0	9.6	-21.5	204.4	6.5	15.1	15.1	317.1	321.1	1.2	12.6	15.3	17.
12-5	6-3	3701.5	650.0	7.2	-19.8	203.4	16.5	6.7	12.1	317.6	322.1	1.4	16.6	16.3	18.
12-6	6-3	4027.2	625.0	6.5	-18.7	205.6	15.5	7.0	12.1	317.6	321.6	1.4	16.5	17.3	18.
16-8	6-0	4352.9	602.0	1.4	-21.2	210.1	13.7	6.3	12.2	318.0	322.1	1.3	21.5	18.3	19.
16-1	51-9	4693.1	575.0	-1.7	-20.9	207.5	13.7	6.3	16.2	318.7	321.9	0.9	18.9	19.4	19.
17-5	54-0	5049.0	550.0	-4.5	-24.6	200.6	15.1	5.3	15.7	320.1	321.1	0.2	6.5	20.7	19.
19-7	57-1	5437.4	525.0	-6.9	-27.6	196.5	16.6	6.7	15.0	320.8	321.4	0.2	5.2	22.0	19.
22-1	6-3	5787.6	503.0	-18.1	-31.3	177.0	10.9	-0.6	10.9	322.1	322.4	0.1	2.3	23.1	18.
21-4	63-6	6189.7	475.0	-12.8	-31.3	177.0	10.9	-0.6	10.9	322.1	323.7	0.0	1.7	23.7	18.
22-0	64-9	6590.8	450.0	-15.6	-37.5	178.7	8.0	-1.3	7.9	323.6	324.6	0.0	1.7	24.4	17.
25-6	70-6	7319.1	425.0	-19.1	-37.9	174.4	7.1	0.6	7.1	324.8	325.7	0.0	2.1	25.0	17.
25-9	74-2	7667.1	400.0	-22.7	-38.8	201.3	8.6	3.0	7.8	325.6	327.8	0.0	2.4	25.9	17.
27-5	77-7	7937.6	375.0	-25.7	-39.7	227.2	12.9	9.4	8.8	327.6	327.8	0.0	2.7	27.2	20.
2-1	81-5	8435.1	350.0	-29.4	-40.0	239.0	16.3	15.9	9.2	330.5	330.6	0.0	2.7	27.2	20.
32-9	82-5	8752.1	325.0	-32.6	-40.1	238.1	17.9	15.2	9.5	331.8	332.0	0.0	4.4	28.0	22.
32-8	84-7	9152.3	302.0	-37.5	-42.1	231.0	16.8	15.8	7.9	332.6	332.7	0.0	5.6	30.3	24.
36-8	84-2	13117.3	275.0	-41.8	99.4	237.5	14.6	12.1	7.7	334.7	334.9	99.9	999.9	31.7	26.
35-3	99-4	10751.1	250.0	-47.3	99.9	241.2	13.1	11.4	6.3	335.0	335.9	99.9	999.9	32.9	28.
35-4	103-0	11440.3	225.0	-53.3	99.9	241.6	13.0	12.1	6.6	336.8	336.8	99.9	999.9	34.3	29.
08-0	107-2	12180.4	203.0	-59.2	99.9	244.5	18.7	16.9	8.1	339.1	339.9	99.9	999.9	35.9	31.
02-6	115-2	13330.4	175.0	-57.7	99.9	244.0	22.0	19.8	8.1	354.7	354.9	99.9	999.9	38.3	33.
03-4	121-5	13706.7	152.0	-60.8	99.9	231.5	24.4	19.1	15.2	368.4	368.4	99.9	999.9	41.4	35.
05-4	126-3	15127.0	125.0	-60.1	99.9	231.5	24.4	19.1	15.2	368.4	368.4	99.9	999.9	41.4	35.
08-5	136-3	16511.2	100.0	-62.3	99.9	99.9	99.9	99.9	99.9	607.4	607.4	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09-9	99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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



STATION NO. 20  
 ADA, OKLAHOMA  
 9 MAY 1979  
 2340 GMT

128 99. 0

PRM BIN	CNTCT	HEIGHT GPN	PRES MB	TEMP JG 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	RM PCT	RANGE KM	AZ DG
91.0	9.7	312.3	987.4	27.0	17.8	190.0	4.1	-2.1	3.6	303.0	339.0	13.4	57.0	0.0	0.
92.0	9.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
92.0	9.9	94.4	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
92.0	11.4	971.8	925.0	23.0	17.0	154.5	11.3	-0.9	10.2	301.4	336.2	13.0	65.7	0.4	336.
1.4	11.7	708.7	925.0	21.4	16.1	157.3	13.3	-5.1	12.3	301.2	336.8	12.5	71.6	0.4	335.
2.3	10.2	942.3	900.0	20.2	10.4	180.7	15.7	-3.2	14.0	302.3	337.9	13.2	79.0	1.7	337.
3.0	15.6	1153.0	875.0	18.1	15.9	180.3	16.5	-3.4	10.2	307.6	337.9	13.1	86.7	2.6	338.
3.0	21.2	1431.4	850.0	16.7	15.1	178.4	19.3	-0.5	10.2	307.6	337.9	13.1	86.7	2.6	338.
4.0	21.7	1407.9	825.0	14.4	12.3	182.9	18.3	0.9	18.3	303.8	333.7	11.0	87.3	4.4	348.
5.0	20.2	1247.6	800.0	12.3	11.4	183.0	19.7	1.3	19.7	304.3	333.5	10.7	87.3	5.3	351.
6.7	25.4	2216.1	775.0	19.3	-21.2	185.4	20.6	1.9	20.5	313.5	315.0	0.7	4.8	6.6	353.
7.6	31.4	2496.8	750.0	17.9	-21.2	186.8	16.5	1.5	18.4	316.7	319.6	0.9	5.7	7.5	355.
8.5	38.0	2784.5	725.0	15.7	-22.3	188.4	17.3	1.9	17.1	316.7	319.6	0.9	5.7	8.5	356.
9.4	37.4	3081.4	700.0	14.6	-18.7	191.1	14.5	2.8	14.3	318.7	322.8	1.3	8.5	9.5	357.
10.4	41.1	3386.6	675.0	11.5	-18.0	201.0	16.3	6.1	15.6	319.0	323.6	1.6	12.4	10.1	358.
11.4	45.1	3694.7	650.0	8.7	-17.0	201.0	16.3	6.1	15.6	319.0	323.6	1.6	12.4	10.1	358.
12.5	49.3	4022.7	625.0	5.7	-23.3	203.0	17.9	7.0	16.5	319.3	322.6	1.0	15.4	11.9	2.
13.4	47.9	4354.3	600.0	2.8	-23.3	213.8	22.5	12.6	18.7	319.3	322.6	0.8	12.4	13.0	4.
14.7	51.9	4696.3	575.0	-0.2	-23.3	213.8	22.5	12.6	18.7	319.3	322.6	0.7	12.4	13.0	4.
15.0	51.0	5044.7	550.0	-3.5	-29.6	212.2	24.4	13.0	20.6	320.0	322.1	0.6	16.5	17.4	11.
17.0	51.0	5414.7	525.0	-7.0	-29.6	212.2	24.4	13.0	20.6	320.0	322.1	0.6	16.5	17.4	11.
18.2	51.1	5794.1	500.0	-9.4	-37.9	215.2	22.1	12.0	18.1	321.3	322.3	0.3	7.8	18.9	13.
19.4	61.4	6187.5	475.0	-11.0	-38.7	211.7	20.3	10.2	17.3	320.4	325.4	0.3	8.0	20.4	15.
20.7	60.6	6600.5	450.0	-14.3	-40.9	214.1	18.1	10.2	15.0	325.3	325.4	0.2	8.3	21.8	16.
22.1	70.3	7331.5	425.0	-17.0	-42.7	223.5	19.4	13.3	14.1	327.2	327.9	0.2	8.6	23.1	17.
23.5	73.7	7483.0	400.0	-20.5	-43.0	225.0	20.4	14.4	14.2	328.3	329.9	0.2	9.4	24.4	19.
25.0	77.4	7750.0	375.0	-24.6	-47.8	231.9	18.4	14.4	11.9	329.0	329.5	0.1	9.4	24.4	19.
26.7	81.3	8054.5	350.0	-29.3	-50.2	232.5	19.5	15.5	11.9	329.3	329.7	0.1	11.0	27.0	23.
28.3	85.3	8374.3	325.0	-33.4	-52.9	238.4	20.0	16.6	11.1	330.7	331.0	0.1	11.9	29.5	25.
30.3	89.3	8736.0	300.0	-37.9	-58.0	239.8	18.1	15.6	9.1	331.9	332.2	0.1	12.9	31.1	27.
31.9	91.0	10179.0	275.0	-43.0	-58.0	239.8	20.8	17.1	11.7	332.9	332.9	99.9	99.9	33.0	29.
33.4	94.4	10764.3	250.0	-48.0	99.9	241.6	22.7	19.9	10.8	336.7	336.7	99.9	99.9	35.1	31.
35.6	101.2	11450.2	225.0	-53.6	99.9	249.7	22.0	20.1	9.1	336.4	336.4	99.9	99.9	37.3	33.
37.5	104.6	12127.3	200.0	-59.0	99.9	254.0	23.4	22.5	6.5	338.2	338.2	99.9	99.9	39.3	35.
39.7	110.6	13027.5	175.0	-59.3	99.9	242.6	24.9	22.1	11.5	352.1	352.1	99.9	99.9	41.9	38.
42.1	123.0	13992.5	150.0	-60.3	99.9	239.0	27.4	23.7	3.0	365.0	365.0	99.9	99.9	45.3	39.
44.8	127.7	15118.8	125.0	-64.7	99.9	99.9	99.9	99.9	99.9	377.8	377.8	99.9	99.9	49.7	41.
48.3	135.7	16493.0	100.0	-64.2	99.9	99.9	99.9	99.9	99.9	403.7	403.7	99.9	99.9	99.9	99.9
49.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
52.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 20  
 ADA, OKLAHOMA  
 10 MAY 1979  
 207 GMT

129 90. 0

TIME MIN	CNCT	HEIGHT FOM	PRES MS	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 RTO GM/KG	RM PCT	RANGE KM	AZ DG
0-3	9-9	312-0	967-6	25-0	18-0	170-0	4-1	-0-7	4-0	301-0	337-1	13-5	65-0	0-0	0-
9-3	9-9	309-3	1003-0	99-9	99-9	99-9	99-9	99-9	99-9	94-0	99-9	99-9	99-9	99-9	99-9
9-9	9-9	62-9	875-0	90-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9
1-5	14-0	707-1	925-0	22-2	17-7	999-9	99-9	99-9	99-9	302-0	340-2	14-3	69-5	99-9	99-9
2-5	14-5	149-3	900-0	21-2	17-6	196-6	20-0	-5-3	19-2	303-4	339-4	14-0	75-6	999-9	999-9
3-5	14-7	119-4	875-0	18-2	16-3	171-0	21-2	-3-3	21-0	302-7	338-9	13-5	79-9	2-2	300-
4-4	21-4	149-7	853-0	16-1	15-2	178-9	21-4	-0-4	21-4	303-1	337-9	12-9	94-1	4-5	348-
5-4	24-7	152-1	925-0	14-1	13-0	182-3	22-1	0-9	22-1	303-5	336-7	11-5	93-3	5-8	350-
6-3	26-6	152-1	909-0	17-6	11-5	183-3	23-9	1-4	23-9	304-5	336-0	10-8	93-4	7-0	352-
7-1	28-1	221-3	775-0	10-2	4-8	187-9	22-9	7-1	22-7	304-6	332-4	9-3	91-8	8-2	354-
8-1	31-7	242-1	750-0	13-4	-35-3	194-4	21-8	5-4	21-1	311-1	312-0	0-2	1-9	9-4	356-
9-2	34-4	277-4	725-0	13-9	99-9	197-8	25-3	7-7	24-1	314-7	999-9	99-9	999-9	10-6	358-
9-3	37-1	371-7	700-0	12-5	99-7	204-9	23-5	9-9	21-1	314-3	943-9	99-9	999-9	11-9	1-
10-4	39-9	337-2	675-0	11-1	99-7	218-5	17-2	10-7	13-5	315-1	939-0	99-9	999-9	12-9	3-
11-3	42-5	394-1	650-0	8-0	-30-7	223-4	13-3	9-2	9-7	318-0	319-6	0-5	4-4	13-9	6-
12-7	45-6	439-5	625-0	5-1	-35-1	213-8	17-4	9-7	14-5	318-3	313-4	0-3	3-5	14-4	8-
13-7	48-4	434-7	600-0	2-2	-35-4	215-7	19-0	12-4	15-2	318-6	319-7	0-3	4-2	15-5	10-
14-1	51-3	448-4	575-0	-0-4	-53-2	215-8	22-7	16-3	15-8	319-5	315-8	0-1	1-0	16-7	12-
15-2	54-4	533-5	550-0	-2-9	-51-4	226-2	23-5	17-0	16-3	320-7	323-9	0-1	1-0	16-0	15-
16-4	57-4	593-9	525-0	-5-7	-53-5	223-7	21-9	15-1	15-6	321-6	321-8	0-0	1-0	16-4	18-
17-5	60-6	578-9	500-0	-8-7	-55-4	219-0	18-0	11-8	14-6	322-4	322-6	0-0	1-0	20-7	19-
18-4	63-3	617-2	475-0	-9-7	-56-1	213-4	18-6	10-2	15-5	325-9	326-1	0-0	1-0	22-0	20-
19-3	67-3	653-4	450-0	-12-9	-58-1	221-4	16-9	11-1	12-7	327-1	327-2	0-0	1-0	23-5	21-
20-7	70-7	725-6	425-0	-16-5	-60-4	226-1	17-0	12-2	11-0	327-8	327-9	0-0	1-0	24-8	23-
21-1	74-3	747-3	400-0	-21-4	-62-4	225-1	17-0	12-0	12-0	328-5	329-6	0-0	1-0	26-1	24-
22-5	77-9	752-0	375-0	-24-3	-65-3	222-4	16-1	12-2	13-4	329-5	329-5	0-0	1-0	27-6	25-
23-1	81-7	845-3	350-0	-29-4	-65-5	227-8	19-6	10-5	13-2	330-5	330-6	0-0	1-4	29-2	26-
24-7	85-7	947-4	325-0	-32-4	-68-4	231-2	20-6	10-0	12-9	332-1	332-1	0-0	1-9	31-0	27-
25-3	89-4	953-4	300-0	-37-4	-68-1	235-2	22-2	10-2	12-7	332-7	332-8	0-0	2-4	32-9	29-
26-1	94-7	1013-2	275-0	-42-3	99-7	240-5	21-7	10-9	10-7	334-0	999-9	99-9	999-9	35-0	31-
26-1	94-7	1013-2	275-0	-42-3	99-7	240-5	21-7	10-9	10-7	334-0	999-9	99-9	999-9	35-0	31-
28-1	97-7	1076-3	250-0	-47-5	99-9	241-4	21-7	10-1	10-4	335-4	999-9	99-9	999-9	37-2	33-
30-1	103-6	1150-3	225-0	-52-7	99-9	246-7	22-4	20-6	8-9	337-7	999-9	99-9	999-9	39-6	35-
31-1	104-9	1220-9	200-0	-58-3	99-9	270-6	20-4	20-4	-0-2	340-4	999-9	99-9	999-9	41-4	37-
32-3	114-8	1304-4	175-0	-59-2	99-9	270-1	18-2	18-2	-0-0	357-2	999-9	99-9	999-9	42-5	40-
33-3	114-8	1304-4	175-0	-59-2	99-9	270-1	18-2	18-2	-0-0	357-2	999-9	99-9	999-9	42-5	40-
34-3	123-8	1400-5	150-0	-63-5	99-9	281-9	24-9	21-9	11-7	360-6	999-9	99-9	999-9	44-7	41-
35-2	127-4	1512-4	125-0	-64-4	99-9	282-8	28-9	23-0	17-5	378-5	999-9	99-9	999-9	49-4	43-
36-3	135-7	1649-8	100-0	-63-8	99-9	99-9	99-9	99-9	99-9	424-4	999-9	99-9	999-9	999-9	999-9
37-4	144-9	1649-8	75-0	-64-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-9
38-4	144-9	1649-8	50-0	-64-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-9
39-9	144-9	1649-8	25-0	-64-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-9
40-9	144-9	1649-8	25-0	-64-9	99-9	99-9	99-9	99-9	99-9	999-9	999-9	99-9	999-9	999-9	999-9

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



STATION NO. 20  
 ADA, OKLAHOMA  
 10 MAY 1979  
 526 GMT

107 132. 0

TIME MIN	CATY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	RX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.2	9.1	312.0	967.5	23.8	17.4	160.8	4.6	-1.6	4.3	299.8	335.3	13.4	69.0	0.0	0.
9.9	9.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	9.9	9.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
7.5	17.6	471.3	950.0	21.4	16.4	159.1	13.4	-4.8	12.5	298.9	332.1	12.5	73.5	0.5	335.
1.2	12.9	702.3	925.0	19.0	15.4	161.0	18.8	-6.1	17.8	298.8	331.4	12.3	81.5	1.0	337.
4.2	15.1	737.3	920.0	17.5	15.7	167.4	24.7	-5.4	24.1	299.6	333.2	12.4	84.3	2.1	340.
2.8	17.4	1175.7	975.0	17.6	15.4	176.8	26.9	-3.8	28.6	302.1	338.6	13.6	93.1	3.4	344.
3.6	17.6	1420.9	950.0	16.8	15.4	176.8	26.9	-1.5	28.6	301.6	332.7	11.5	91.7	6.4	346.
6.3	17.6	1492.4	975.0	14.2	11.1	182.3	26.4	1.1	25.4	303.6	331.3	10.1	81.7	9.7	349.
5.2	24.4	1947.4	800.0	12.4	11.0	184.7	26.0	2.1	25.4	304.3	332.9	10.4	81.6	7.1	352.
6.0	26.7	2237.7	775.0	14.9	-28.2	187.2	22.5	2.8	22.3	309.8	318.1	3.0	26.3	8.3	354.
6.9	24.2	2495.9	750.0	18.0	-38.9	191.1	18.8	3.6	18.4	316.2	316.8	0.2	1.9	9.3	356.
7.7	31.4	2775.1	725.0	16.2	-37.6	205.4	16.7	5.8	15.7	317.2	318.0	0.2	1.3	10.2	357.
8.7	34.1	3071.1	700.0	13.9	-35.1	210.8	16.8	8.3	14.3	317.9	318.5	0.2	1.3	11.8	360.
6.7	34.7	3375.7	675.0	11.5	-38.4	213.4	19.1	10.5	15.9	318.5	319.2	0.2	1.5	11.9	2.
17.6	37.3	3998.7	650.0	8.8	-38.9	218.5	20.2	12.0	17.2	318.4	319.7	0.2	1.8	12.8	5.
11.6	41.9	4313.3	625.0	6.9	-37.8	219.7	21.8	12.7	17.7	319.3	320.1	0.2	2.1	13.8	8.
12.6	44.6	4643.3	600.0	2.7	-37.8	213.1	22.6	12.3	18.9	319.2	320.1	0.2	3.2	15.0	10.
17.6	47.3	4682.2	575.0	-0.1	-34.6	215.1	22.8	12.1	19.3	319.9	321.1	0.3	5.2	18.3	12.
18.6	57.1	5238.6	550.0	-3.4	-34.6	218.8	26.8	13.7	23.0	320.0	321.1	0.3	5.5	17.8	14.
15.7	57.9	5403.9	525.0	-8.4	-38.2	214.3	27.9	15.7	23.1	320.8	321.7	0.3	5.9	19.4	15.
14.9	57.8	5785.5	500.0	-7.8	-39.0	219.4	28.4	14.6	16.8	323.6	324.5	0.2	6.0	21.1	17.
14.0	58.8	6181.6	475.0	-10.9	-40.4	219.4	18.5	11.7	14.3	325.5	324.6	0.2	6.2	22.4	19.
15.2	61.9	6595.3	450.0	-13.5	-42.4	218.8	18.3	11.8	14.7	326.3	327.1	0.2	6.6	23.5	20.
22.4	67.0	7027.4	425.0	-16.4	-44.2	220.3	18.7	12.1	14.3	327.9	328.5	0.2	7.0	24.9	20.
21.6	67.4	7450.4	400.0	-24.0	-48.5	227.4	20.3	14.9	13.7	329.8	329.6	0.2	7.9	27.7	23.
23.2	71.7	7952.2	375.0	-28.3	-51.4	228.4	19.5	14.6	13.0	330.7	331.0	0.1	8.7	29.3	24.
22.6	75.1	8454.1	350.0	-32.6	-54.4	233.1	22.4	17.3	16.6	331.7	332.0	0.1	9.2	30.8	26.
22.9	79.7	8981.2	325.0	-36.6	-57.2	236.2	23.9	17.3	13.4	333.8	336.1	0.1	9.8	32.5	27.
22.9	82.6	9540.6	300.0	-41.5	-60.9	240.7	21.3	18.3	10.4	336.3	339.9	0.9	999.9	34.9	30.
28.7	87.5	10137.0	275.0	-46.8	-64.8	248.9	21.6	19.9	7.6	338.2	344.9	99.9	999.9	37.8	32.
30.3	93.7	10773.8	250.0	-52.4	-68.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
32.1	95.2	11463.6	225.0	-57.4	-72.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.1	99.8	12174.5	200.0	-61.7	-76.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.3	105.0	13055.0	175.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	110.4	13989.9	150.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	99.9	99.9	125.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	99.9	99.9	100.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	99.9	99.9	75.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	99.9	99.9	50.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.
34.8	99.9	99.9	25.0	-66.2	-80.9	248.9	21.6	21.3	3.3	341.9	349.9	99.9	999.9	39.8	35.

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

STATION NO. 20  
ADA, DELAWARE  
10 MAY 1979  
033 GMT

TIME MIN	EMTCY	HEIGHT GM	PRES MB	TEMP DG C	DEW PT DG C	DIR JC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF F DG K	E POT T DC K	MR RTO GM/SEC	SM PCT	RANGE KM	AZ DG
0.0	0.0	312.0	968.5	23.0	18.5	180.0	10.3	-3.5	9.7	299.8	337.0	14.1	72.0	0.0	0.0
0.5	0.0	9.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	0.0	9.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.5	0.0	9.0	950.0	21.0	18.1	172.1	15.7	-2.2	15.6	299.4	336.3	14.0	70.4	0.4	351.0
2.0	0.0	9.0	925.0	20.6	18.3	176.4	19.0	-1.2	19.0	300.3	338.8	14.5	86.9	1.0	352.0
2.5	0.0	9.0	900.0	20.2	18.1	183.0	27.7	1.4	27.7	332.3	344.1	15.6	93.2	2.1	356.0
3.0	0.0	9.0	875.0	18.2	17.1	188.1	30.1	4.3	29.8	302.7	340.7	14.2	93.2	3.1	359.0
3.5	0.0	9.0	850.0	16.6	16.8	193.6	24.3	5.7	23.7	303.6	337.8	12.6	89.0	4.4	3.0
4.0	0.0	9.0	825.0	14.5	12.3	192.0	23.3	4.9	22.8	303.9	334.0	11.8	87.1	5.8	6.0
4.5	0.0	9.0	800.0	12.6	10.3	199.0	23.6	3.7	23.3	304.6	331.9	9.9	85.6	7.0	6.0
5.0	0.0	9.0	775.0	10.5	9.3	192.4	23.9	5.1	23.3	305.1	331.5	9.4	92.0	8.2	7.0
5.5	0.0	9.0	750.0	9.3	8.7	199.9	23.1	7.9	21.8	306.6	328.9	7.2	73.6	9.4	0.0
6.0	0.0	9.0	725.0	15.2	-8.6	205.9	21.2	9.3	19.1	316.1	316.7	0.1	1.0	10.6	10.0
6.5	0.0	9.0	700.0	13.5	-8.6	205.2	19.1	8.1	17.3	317.4	316.0	0.1	1.0	11.8	12.0
7.0	0.0	9.0	675.0	10.0	-4.3	203.6	18.0	7.2	16.6	316.9	317.3	0.1	1.0	12.9	13.0
7.5	0.0	9.0	650.0	9.6	-4.7	203.0	18.0	7.0	16.6	318.6	319.1	0.1	1.0	14.0	13.0
8.0	0.0	9.0	625.0	4.4	-4.7	212.9	15.6	8.5	13.1	317.9	318.3	0.1	1.0	15.1	14.0
8.5	0.0	9.0	600.0	2.5	-4.4	221.1	14.2	9.3	10.7	319.0	319.3	0.1	1.0	15.9	16.0
9.0	0.0	9.0	575.0	-0.3	-5.2	212.6	19.3	10.4	16.3	319.6	319.9	0.1	1.0	17.1	17.0
9.5	0.0	9.0	550.0	-1.7	-6.2	212.1	20.5	10.9	17.4	319.7	319.9	0.1	1.0	18.4	18.0
10.0	0.0	9.0	525.0	-6.7	-5.2	215.1	20.5	11.8	16.8	320.4	320.6	0.0	1.0	19.8	19.0
10.5	0.0	9.0	500.0	-9.3	-5.9	219.8	17.8	11.4	13.7	321.7	321.6	0.0	1.0	21.3	21.0
11.0	0.0	9.0	475.0	-12.1	-5.6	219.2	21.0	13.3	16.1	323.0	323.2	0.0	1.0	22.9	22.0
11.5	0.0	9.0	450.0	-15.3	-5.7	216.9	19.1	11.5	15.3	326.0	324.1	0.0	1.0	24.5	23.0
12.0	0.0	9.0	425.0	-17.1	-6.2	211.1	17.8	9.2	15.2	326.3	326.4	0.0	1.0	26.1	24.0
12.5	0.0	9.0	400.0	-20.3	-6.9	210.7	17.4	9.1	15.3	328.7	328.7	0.0	1.0	27.8	24.0
13.0	0.0	9.0	375.0	-24.1	-6.3	213.7	19.0	10.6	15.8	329.7	329.7	0.0	1.0	29.8	25.0
13.5	0.0	9.0	350.0	-27.9	-7.0	211.5	22.0	11.5	18.7	331.1	331.2	0.0	1.0	32.1	25.0
14.0	0.0	9.0	325.0	-32.2	-6.4	214.5	23.2	13.2	19.2	332.4	332.4	0.0	1.0	34.7	26.0
14.5	0.0	9.0	300.0	-36.2	-7.0	222.1	21.2	14.7	15.7	334.3	334.3	0.0	1.0	37.5	27.0
15.0	0.0	9.0	275.0	-40.7	-6.9	229.3	21.2	16.1	13.9	336.3	336.3	0.0	1.0	40.2	28.0
15.5	0.0	9.0	250.0	-46.2	-6.2	234.1	21.9	17.7	12.8	337.3	337.3	0.0	1.0	43.1	30.0
16.0	0.0	9.0	225.0	-51.7	-5.4	234.1	21.2	18.2	10.0	337.4	337.4	0.0	1.0	46.0	32.0
16.5	0.0	9.0	200.0	-56.5	-6.9	248.6	18.7	16.6	1.0	343.3	343.3	0.0	1.0	49.2	35.0
17.0	0.0	9.0	175.0	-63.3	-6.3	259.3	8.2	6.2	5.3	345.4	345.4	0.0	1.0	52.7	35.0
17.5	0.0	9.0	150.0	-65.7	-6.9	221.2	20.7	13.6	15.6	345.4	345.4	0.0	1.0	56.1	37.0
18.0	0.0	9.0	125.0	-63.9	-6.9	229.5	33.5	21.5	21.6	345.4	345.4	0.0	1.0	59.9	39.0
18.5	0.0	9.0	100.0	-65.0	-6.5	99.9	99.9	99.9	99.9	402.1	402.1	0.0	1.0	64.0	41.0
19.0	0.0	9.0	75.0	-69.9	-6.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	68.0	43.0
19.5	0.0	9.0	50.0	-69.9	-6.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	72.0	45.0
20.0	0.0	9.0	25.0	-69.9	-6.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	76.0	47.0

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

STATION NO. 20  
ADA, OKLAHOMA  
10 MAY 1979  
1100 GMT

TIME MIN	CNTCT	WEIGHT GPH	PAES #3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E PUT T DG K	MX AFD GM/KG	RM PCT	RANGE KM	AZ DG
0-0	9-7	312.0	949.6	22.4	19.2	150.0	6.6	-2.3	4.0	298.2	336.6	14.6	82.0	0.0	0
0-9	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	999.9
0-9	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	999.9
0-7	11.4	490.2	953.0	21.0	19.6	175.0	13.6	-1.2	13.5	299.3	339.6	15.3	87.5	0.5	347
1-6	13.5	722.3	925.0	21.0	18.5	188.1	17.2	2.4	17.0	300.8	339.4	12.9	75.6	1.3	355
2-5	15.7	959.7	900.0	19.9	18.6	211.4	20.8	7.6	19.4	302.0	337.9	13.4	81.4	2.2	4
3-4	19.0	1203.2	875.0	19.6	18.4	211.5	19.6	10.3	16.7	304.2	336.6	11.9	71.7	3.3	12
4-3	27.3	1453.3	850.0	18.0	12.0	216.3	18.7	11.1	15.0	305.1	333.8	10.4	67.7	4.3	17
5-2	22.5	1708.7	825.0	17.0	11.1	218.3	18.7	11.1	15.1	306.0	333.8	10.4	67.7	4.3	17
6-2	24.9	1970.7	800.0	16.0	9.4	218.3	19.3	12.0	15.1	306.7	332.7	9.3	71.0	5.3	21
7-3	27.3	2239.1	775.0	12.6	6.6	219.0	18.8	11.9	14.6	307.4	332.8	9.1	70.2	7.2	24
7-0	29.7	2511.8	750.0	9.9	6.0	220.4	18.2	11.8	13.9	307.3	332.5	9.0	68.0	6.2	27
8-0	32.1	2795.5	725.0	7.9	4.4	227.4	16.5	12.1	11.2	308.2	329.6	7.6	62.4	9.2	29
9-6	34.6	3067.1	700.0	11.0	-30.4	233.0	13.7	11.0	8.3	315.5	317.0	6.4	3.5	10.8	31
10-5	37.1	3340.1	675.0	10.2	-43.3	229.2	13.9	10.5	9.1	317.1	317.5	6.1	1.0	10.8	32
11-0	39.7	3702.0	650.0	7.0	-49.1	229.5	14.5	10.6	9.4	317.8	318.7	6.1	1.0	11.6	34
12-0	42.2	4023.5	625.0	5.2	-49.9	227.7	14.5	10.8	9.6	318.5	319.1	6.2	2.0	12.6	35
13-2	44.9	4354.2	600.0	2.1	-28.4	227.2	14.7	10.8	10.0	318.5	320.6	6.6	8.3	13.7	36
14-7	47.7	4685.9	575.0	-0.9	-21.8	231.7	15.9	12.4	9.8	318.9	322.9	1.2	19.7	14.9	37
15-7	50.3	5068.7	550.0	-3.5	-52.2	231.6	14.3	10.9	10.6	319.9	320.1	0.1	1.0	16.2	38
16-3	53.2	5414.7	525.0	-8.0	-53.2	229.6	14.3	10.9	9.3	322.2	322.4	0.0	1.0	17.4	39
17-4	56.1	5795.6	500.0	-8.0	-53.0	229.6	99.9	99.9	99.9	323.3	323.4	0.0	1.0	18.3	39
20-0	59.1	6191.6	475.0	-11.3	-57.1	229.6	99.9	99.9	99.9	323.9	324.1	0.0	1.0	19.9	39
24-3	64.9	697.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
28-9	67.3	99.9	420.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
32-9	69.6	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	999.9
36-9	72.3	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	999.9
40-9	74.9	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	999.9
44-9	77.9	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	999.9
47-8	80.9	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	999.9
50-8	83.9	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	999.9
55-3	86.9	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	999.9
59-3	89.9	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	999.9
64-9	94.9	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	999.9
68-9	97.9	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	999.9
72-9	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	999.9
76-9	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	999.9
80-9	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	999.9
84-9	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	999.9
88-9	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	999.9
92-9	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	999.9

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

STATION NO. 21  
 ALTUS, OKLAHOMA  
 9 MAY 1979  
 1105 GMT

123 101- 0

TIME MIN	CNTCT	WEIGHT GPM	PHES M3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF V DG K	E POT V DG K	WZ WFO CM/RG	RM PCT	RANGE P4	AZ DG
00.0	11.0	627.0	953.2	21.3	17.9	130.0	6.2	-6.7	4.0	298.5	338.7	13.7	81.0	0.0	0.
00.9	90.9	975.0	1002.0	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
01.1	11.3	451.1	953.0	21.0	17.9	140.9	7.9	-5.0	6.2	298.5	338.7	13.7	82.1	0.1	356.
01.7	13.5	692.4	925.0	19.5	17.1	173.5	13.1	-1.5	13.0	299.2	333.3	13.6	87.5	0.2	347.
1.2	15.8	318.3	930.0	17.0	16.6	182.9	16.0	0.6	16.0	294.9	335.4	13.4	92.7	1.2	352.
2.3	16.2	1159.6	875.3	16.4	15.4	197.4	19.5	5.8	18.6	300.8	338.8	12.7	93.8	2.3	359.
3.1	22.6	1407.1	850.0	15.6	16.7	208.6	21.9	10.5	17.2	322.5	336.1	12.5	96.2	3.1	360.
3.3	23.0	1461.0	825.0	14.5	13.6	213.4	22.7	12.5	18.9	323.9	335.6	12.3	96.4	4.0	146.
4.6	27.5	1421.5	833.0	13.4	-3.0	216.1	20.5	11.5	16.9	305.5	322.1	6.3	48.6	4.9	186.
5.5	27.3	2187.6	775.0	16.3	-19.5	202.5	19.5	7.4	18.0	311.4	318.7	1.1	7.0	5.9	236.
6.1	30.5	2465.5	753.0	15.1	-19.2	198.6	19.2	6.1	18.2	313.0	317.0	1.2	8.4	6.9	236.
7.1	31.1	2750.3	753.0	13.5	-39.0	203.8	19.6	7.1	18.5	318.2	314.9	0.7	1.3	7.9	236.
7.9	37.7	3164.5	730.0	11.5	-39.8	203.4	18.2	7.2	16.7	315.2	315.9	0.2	1.5	8.7	206.
8.3	37.4	3167.2	675.0	10.6	-43.4	237.2	17.0	7.8	15.1	317.5	317.9	0.1	1.0	9.7	216.
9.9	41.1	3057.3	650.0	8.0	-45.0	239.4	18.8	9.2	16.3	318.3	314.4	0.1	1.0	13.7	216.
11.3	41.7	3397.3	625.0	6.9	-47.5	203.3	18.2	8.9	15.9	318.3	314.7	0.2	2.3	11.9	226.
12.3	46.9	4111.3	633.0	1.6	-42.1	204.3	17.8	8.4	15.6	318.3	314.7	0.2	2.6	13.1	236.
13.1	47.7	4651.7	573.0	-1.3	-41.2	209.4	18.6	9.1	16.1	318.5	314.1	0.2	2.9	14.2	236.
14.1	52.6	5333.9	550.0	-4.4	-42.4	207.2	17.1	7.8	15.2	318.5	314.4	0.2	3.2	15.4	246.
15.2	55.6	5169.1	525.0	-7.4	-37.9	205.0	17.5	7.4	15.9	319.5	323.5	0.3	6.5	16.4	246.
16.3	58.4	5785.4	500.0	-13.6	-38.7	206.4	17.2	7.7	15.4	320.2	321.1	0.3	7.7	17.6	246.
17.4	61.3	6138.2	475.0	-13.2	-37.9	208.1	18.4	8.7	16.3	321.6	322.7	0.3	10.4	19.3	246.
18.7	63.1	6547.4	450.0	-16.4	-34.7	203.1	18.6	9.0	16.3	322.6	324.2	0.4	16.4	20.2	256.
19.3	64.5	6775.5	425.0	-16.2	-40.1	207.6	17.0	7.9	15.0	324.3	325.0	0.2	9.0	21.5	256.
21.2	71.1	7423.3	400.0	-17.2	-42.2	211.4	19.0	9.9	16.2	326.8	327.3	0.1	7.9	22.9	256.
22.6	77.7	7946.1	375.0	-25.1	-55.2	217.8	18.7	11.5	14.7	329.5	324.7	0.1	4.1	24.4	266.
24.1	79.5	8193.6	350.0	-29.0	-58.2	217.4	18.4	11.2	14.6	329.7	329.9	0.1	5.9	26.1	266.
25.9	81.5	8414.5	325.0	-33.4	-59.0	219.7	20.7	13.2	15.9	330.6	330.8	0.0	6.4	27.8	276.
27.3	87.5	8875.2	300.0	-38.3	-61.2	223.1	22.6	15.4	16.5	331.5	331.6	0.0	6.0	29.6	286.
29.7	91.8	10067.6	275.0	-43.5	-62.9	225.4	22.3	15.9	15.7	332.2	332.0	0.0	999.0	31.7	296.
31.6	96.4	12771.0	250.0	-47.0	-64.0	228.4	24.5	18.3	16.3	333.3	333.3	0.0	999.0	36.3	306.
32.9	101.4	11393.4	225.0	-56.5	-69.9	233.6	22.9	18.5	13.6	335.0	335.0	0.0	999.0	37.2	326.
34.1	106.6	12128.7	200.0	-60.0	-69.9	239.2	24.7	18.7	16.1	337.8	337.8	0.0	999.0	43.4	346.
37.6	112.3	12957.2	175.0	-63.2	-69.9	223.5	24.4	21.6	18.5	345.7	345.7	0.0	999.0	44.1	356.
40.3	114.5	13314.4	150.0	-59.8	-62.4	235.4	27.7	22.8	15.8	367.2	367.2	0.0	999.0	48.3	376.
43.6	121.5	15351.4	125.0	-61.6	-69.9	309.9	99.9	99.9	99.9	363.3	363.3	0.0	999.0	53.4	386.
49.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0	999.0
50.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0	999.0
59.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0	999.0
99.9	99.9	99.9	25.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.0	999.0

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

STATION NO. 21  
ALFUS, OLLANOMA

9 MAY 1979  
1428 GMT

110 78.0

TIME P-14	CNTCT	WEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT 7 DG K	MX RTO GR/KG	RM PCT	RANGE KM	AZ DG
0.0	12.5	422.3	933.3	23.6	17.1	120.0	6.1	-9.3	3.0	300.8	335.6	13.0	67.0	0.0	0.0
00.0	09.0	09.0	1030.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
01.0	09.0	09.0	075.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.1	10.7	652.1	925.0	22.9	16.0	135.7	8.7	-6.1	6.3	300.4	333.0	12.2	65.2	0.3	352.0
2.7	12.0	685.5	933.0	20.9	17.2	138.8	12.7	-4.6	11.8	300.7	336.8	13.5	79.4	0.0	341.0
1.5	14.9	921.4	933.0	18.5	16.3	133.7	14.6	-1.6	14.5	300.5	336.8	13.6	90.6	1.4	342.0
2.2	17.1	1163.4	875.0	17.4	16.3	136.8	16.6	0.9	16.1	301.8	337.9	13.5	93.4	2.0	349.0
3.3	19.3	1412.4	852.0	17.5	16.2	212.1	18.2	9.7	15.6	304.5	340.8	13.6	91.6	3.0	349.0
3.9	21.5	1667.4	825.0	15.8	16.6	212.1	17.0	11.2	12.8	305.3	340.3	12.8	92.4	3.5	349.0
4.9	23.8	1929.3	800.0	13.9	17.4	229.8	17.9	13.0	11.0	305.9	338.2	11.8	93.5	4.4	17.0
7.0	25.1	2177.4	775.0	13.7	0.6	222.9	14.3	11.4	8.4	308.6	334.3	9.2	71.5	5.2	27.0
6.7	21.4	2474.4	750.0	14.7	-3.7	221.4	12.9	8.5	9.7	312.5	329.3	3.9	28.5	5.0	28.0
7.8	30.7	2761.2	725.0	14.9	-12.6	214.0	18.1	10.1	15.0	315.8	322.1	2.0	13.8	6.7	27.0
5.8	33.2	3056.4	703.0	13.6	-21.1	209.6	22.3	11.0	19.4	317.5	320.9	1.0	7.3	8.0	28.0
7.9	37.6	3361.4	675.0	11.4	-28.4	207.9	22.2	10.4	19.6	318.4	321.5	0.9	7.5	9.5	28.0
11.1	39.1	3674.4	650.0	8.4	-28.7	207.4	21.7	10.0	19.3	318.4	322.2	1.1	10.7	11.1	28.0
12.3	40.6	3795.4	625.0	7.3	-22.0	208.1	19.8	8.1	18.1	318.5	321.7	1.0	10.9	12.5	28.0
13.4	43.2	4327.9	603.0	5.4	-21.7	194.0	19.2	5.5	18.4	318.9	322.6	1.1	14.0	13.0	27.0
14.7	45.9	4669.5	575.0	-0.8	-23.0	187.1	18.1	2.2	17.9	319.1	322.1	0.9	14.3	15.1	26.0
15.7	48.4	5122.5	550.0	-3.9	-23.3	188.2	19.3	2.8	19.0	319.5	322.5	0.9	16.9	16.4	26.0
17.1	51.3	5388.5	525.0	-8.4	-32.7	200.0	20.2	6.9	19.0	322.6	325.0	0.5	9.2	17.0	23.0
18.4	54.1	5763.5	500.0	-8.4	-35.0	208.2	20.7	9.0	18.3	322.9	325.2	0.4	9.5	19.4	23.0
19.7	57.0	6168.6	475.0	-12.1	-35.1	206.9	19.3	8.7	17.2	323.0	325.4	0.4	12.6	21.0	24.0
21.1	59.0	6753.1	450.0	-15.5	-36.0	205.1	18.8	8.0	17.0	323.8	325.2	0.4	15.3	22.0	24.0
22.6	63.0	7331.2	425.0	-18.9	-36.5	205.5	18.0	9.2	16.3	324.8	325.9	6.3	15.7	20.2	24.0
24.2	67.1	7852.5	400.0	-21.6	-40.6	213.4	20.3	11.2	17.0	326.9	327.9	6.3	18.0	24.1	25.0
25.0	69.6	7924.9	375.0	-25.1	-43.3	216.2	21.7	12.2	17.0	328.4	329.2	6.2	16.3	28.1	25.0
27.4	72.9	8422.2	350.0	-29.2	-44.1	218.6	21.5	12.9	17.3	329.4	330.2	6.2	22.1	30.3	26.0
29.1	76.3	8947.6	325.0	-32.9	-48.4	218.0	22.2	12.4	18.4	331.4	331.9	0.1	19.2	32.4	27.0
31.0	80.0	9505.5	300.0	-37.5	-52.2	218.4	25.0	15.5	19.6	332.5	332.9	0.1	19.6	35.0	27.0
33.0	83.8	10094.7	275.0	-42.9	-59.9	220.3	25.7	16.6	19.6	333.1	333.9	99.9	99.9	38.0	28.0
35.1	87.9	10734.7	250.0	-48.7	-67.9	223.6	26.1	18.0	18.9	333.7	333.7	99.9	99.9	41.2	29.0
37.4	92.2	11429.2	225.0	-53.4	-69.9	223.6	27.5	21.0	16.6	336.7	333.9	99.9	99.9	44.5	31.0
39.0	96.4	12170.1	200.0	-58.2	-69.9	228.8	28.6	21.5	18.9	340.6	333.9	99.9	99.9	48.7	33.0
42.6	101.8	13081.9	175.0	-63.1	-69.9	229.5	29.7	22.6	19.3	345.8	333.9	99.9	99.9	52.8	34.0
45.7	107.2	13959.5	150.0	-68.1	-69.9	229.5	27.1	19.2	19.1	378.0	333.9	99.9	99.9	58.3	36.0
49.1	113.3	15181.2	125.0	-61.2	-69.9	223.3	27.4	18.8	19.9	388.1	333.9	99.9	99.9	63.6	36.0
53.1	120.0	16476.4	100.0	-61.6	-69.9	99.9	99.9	99.9	99.9	408.8	333.9	99.9	99.9	69.0	37.0
99.0	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.0	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 21  
ALTUS-OELMUNA  
9 MAY 1979  
1705 GMT

TIME	CMTCF	HEIGHT	PHES	TEMP	DEP	DIR	SPED	U COMP	V COMP	POT	E POT	MR STD	RM	RANGE	AZ
MIN		GPM	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	RM	DC
0.3	11.3	422.0	453.4	29.4	17.9	149.0	5.1	-3.3	3.9	302.7	339.3	13.7	63.0	0.3	0.
0.4	90.9	90.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
0.5	92.0	90.7	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
0.6	11.0	453.6	450.0	25.3	15.1	147.2	6.7	-3.6	5.6	302.9	340.3	13.9	64.3	3.2	35.
0.7	13.4	608.2	920.0	23.9	18.6	141.2	9.6	-3.1	9.1	303.8	343.5	14.8	72.2	0.6	166.
1.3	18.2	427.3	920.0	21.5	18.6	142.4	9.9	-1.8	9.7	302.7	345.0	15.4	86.2	1.1	165.
2.3	18.6	1172.2	675.0	19.1	18.1	178.5	9.5	-0.2	9.5	303.7	344.6	15.2	93.7	1.5	347.
2.7	21.1	1421.5	650.0	17.4	16.6	141.6	12.7	2.6	12.4	304.4	342.0	14.2	95.0	1.9	351.
3.5	21.5	1674.9	625.0	15.6	14.8	208.4	14.0	6.2	12.5	305.1	340.4	13.0	94.7	2.5	359.
4.8	24.0	1434.4	600.0	14.1	13.2	218.2	12.5	7.6	10.0	306.1	339.1	12.0	94.5	3.1	5.
5.2	24.5	2227.1	775.0	14.4	24.5	219.7	6.9	4.4	5.3	309.3	326.8	6.1	45.5	3.6	11.
5.7	31.1	2484.3	750.0	14.8	-7.7	203.3	6.6	2.5	5.9	312.6	321.4	2.9	23.5	3.9	12.
7.3	33.7	2773.1	725.0	14.1	-19.4	205.2	12.7	5.4	11.5	316.9	318.8	1.1	4.3	4.6	13.
8.3	36.6	3355.2	700.0	13.6	-40.1	203.2	20.6	10.1	18.0	317.5	319.3	0.2	1.2	5.3	16.
9.7	34.1	3170.0	675.0	11.7	-42.7	209.3	24.5	11.6	21.6	318.8	319.3	0.1	1.0	6.7	19.
12.2	41.9	1743.3	650.0	8.9	-37.6	205.2	23.1	9.0	20.9	319.1	319.9	0.2	2.1	8.1	23.
14.4	44.7	4205.1	625.0	5.9	-33.5	200.5	21.5	7.5	20.2	319.2	320.4	0.4	4.1	9.6	21.
17.5	47.5	4337.1	600.0	2.9	-32.0	199.7	23.1	7.0	21.8	319.5	321.0	0.4	5.5	11.3	21.
13.5	52.5	4474.4	575.0	-0.2	-34.9	201.2	23.5	8.5	21.9	319.8	321.0	0.3	5.2	12.6	21.
14.7	53.5	5232.9	550.0	-2.7	-41.7	200.8	21.6	7.7	20.2	320.7	321.6	0.2	3.1	13.1	21.
15.9	54.5	5393.3	525.0	-4.7	-38.2	159.7	22.5	7.6	21.2	320.4	321.3	0.3	6.0	15.6	21.
17.1	54.4	5727.5	500.0	-4.3	-37.1	201.6	22.6	9.3	21.0	321.7	322.4	0.3	6.7	17.4	21.
14.5	62.9	6122.2	475.0	-11.6	-44.3	202.6	24.3	7.8	18.7	323.6	324.1	0.1	4.4	19.1	21.
17.3	66.3	6593.9	450.0	-14.7	-51.9	203.9	24.7	9.9	20.4	324.7	325.0	0.1	2.5	23.3	21.
21.3	66.7	7213.7	425.0	-18.2	-53.1	709.3	24.4	11.9	21.2	325.7	325.9	0.1	2.9	27.9	21.
22.7	71.3	7463.6	400.0	-21.4	-54.5	215.0	23.9	13.9	20.6	327.2	327.4	0.1	3.2	28.9	22.
24.1	76.9	7936.3	375.0	-25.0	-52.4	215.0	23.9	13.7	19.6	328.5	328.8	0.1	5.5	27.3	23.
25.7	77.7	8433.4	350.0	-29.5	-54.3	216.9	23.3	14.0	18.6	329.0	329.3	0.1	8.9	29.1	24.
27.2	84.7	5758.2	325.0	-33.3	-56.9	219.9	24.7	15.8	18.9	330.4	331.1	0.1	9.2	31.1	25.
30.4	93.0	10111.2	300.0	-37.2	-57.7	223.6	26.0	17.9	18.8	333.2	333.2	0.0	9.7	33.4	26.
32.1	97.4	13747.6	275.0	-42.5	94.9	223.0	28.9	19.7	21.1	333.7	333.7	99.9	99.9	35.1	26.
34.4	102.4	11433.9	250.0	-47.9	94.9	222.2	27.6	18.5	20.4	334.9	334.9	99.9	99.9	37.3	27.
37.3	107.4	12142.3	200.0	-54.4	99.9	223.9	26.3	18.2	18.9	336.3	336.3	99.9	99.9	42.6	32.
37.6	113.3	13116.6	175.0	-58.4	99.9	225.8	27.5	19.7	19.2	340.3	340.3	99.9	99.9	45.4	31.
45.0	116.3	13116.6	150.0	-62.3	90.4	225.3	37.2	26.5	24.2	347.2	347.2	99.9	99.9	51.2	33.
49.5	126.3	15115.9	125.0	-60.2	94.9	223.7	27.8	19.9	20.8	346.4	346.4	99.9	99.9	54.1	34.
49.5	133.7	16533.6	100.0	-59.9	94.9	221.8	27.8	18.6	20.8	346.4	346.4	99.9	99.9	61.7	35.
49.2	96.9	94.9	75.0	59.9	99.9	99.9	99.9	99.9	99.9	433.3	99.9	99.9	99.9	99.9	99.9
49.9	90.3	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
90.3	90.9	99.9	25.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 21  
 ALTUS, OKLAHOMA  
 5 MAY 1979  
 2005 GMT

TIME BT	CNTCT	WEIGHT GPM	WIND 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 WTD GM/KG	RM PCT	RANGE A2 KM	AZ DG
0.3	11.0	022.0	452.1	29.0	10.7	110.0	7.2	-0.8	2.5	306.4	345.9	14.5	94.0	0.0	0.
0.6	99.9	09.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	099.
0.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	099.
0.1	11.2	441.7	910.0	28.5	10.8	115.7	7.9	-7.2	3.4	306.2	345.7	14.5	55.4	0.1	353.
0.4	13.4	675.3	625.0	25.4	10.6	144.9	13.4	-7.7	11.0	305.3	347.7	15.7	79.1	0.0	321.
1.4	15.8	915.9	900.0	23.5	19.4	189.2	15.3	-7.0	13.1	305.7	348.9	16.6	77.0	1.4	320.
2.1	18.2	1165.1	875.0	20.9	18.7	157.3	13.3	-9.1	12.3	305.5	348.0	15.7	87.3	2.0	320.
2.9	20.6	1415.1	850.0	18.9	17.3	174.6	11.7	-1.1	11.6	305.9	346.1	14.0	90.4	2.6	331.
3.9	23.0	1672.0	825.0	17.5	15.6	190.9	11.1	2.1	10.9	307.1	346.4	13.6	88.5	3.1	337.
4.9	25.5	1936.1	800.0	15.2	13.9	202.6	10.9	6.2	10.0	307.4	342.2	12.6	91.0	3.4	343.
5.7	28.1	2223.1	775.0	13.9	11.7	209.8	11.9	9.9	10.3	306.7	339.9	11.2	86.9	4.1	350.
6.6	30.6	2485.1	750.0	12.0	7.2	204.4	13.9	5.7	12.6	310.5	336.9	8.6	69.2	4.5	350.
7.4	33.2	2767.0	725.0	14.0	-10.2	200.9	16.9	9.7	17.7	314.8	322.6	2.5	18.2	5.3	350.
8.4	35.0	3062.6	700.0	13.9	-17.0	231.2	21.3	7.7	19.9	317.9	322.6	1.4	10.1	6.5	3.
9.4	36.0	3347.5	675.0	11.4	-17.4	200.0	27.0	0.0	24.0	318.4	323.2	1.5	11.6	7.6	5.
10.3	36.3	3600.7	650.0	8.9	-20.4	200.2	27.4	9.5	25.0	319.0	322.8	1.2	10.6	9.0	0.
11.4	36.1	3803.3	625.0	5.9	-22.4	202.5	23.0	9.1	22.0	319.2	322.5	1.0	10.9	11.1	10.
12.5	37.3	4033.3	600.0	3.1	-24.3	206.0	21.0	9.7	22.3	319.7	322.7	0.9	11.1	12.4	12.
13.7	39.9	4277.4	575.0	-0.1	-26.5	207.6	21.1	10.4	18.4	319.9	322.5	0.8	11.4	13.6	16.
14.9	42.9	4531.7	550.0	-3.1	-28.7	208.6	20.7	9.3	18.5	320.4	322.6	0.6	11.7	15.3	19.
16.1	45.9	4776.6	525.0	-6.2	-30.9	201.1	20.9	7.5	19.5	321.0	322.9	0.3	12.0	16.9	16.
17.5	49.0	5076.1	500.0	-9.7	-35.9	200.2	21.0	7.4	20.3	321.2	322.5	0.4	9.6	18.0	10.
18.3	52.3	5371.0	475.0	-11.8	-37.3	201.4	23.4	8.5	21.0	323.4	324.0	0.3	9.8	20.5	17.
20.3	55.6	5645.6	450.0	-14.7	-40.4	207.2	23.6	10.6	21.0	323.7	325.3	0.2	7.3	22.5	17.
21.7	58.9	5913.1	425.0	-17.4	-44.1	210.3	26.1	13.3	22.5	324.7	327.3	0.2	7.0	24.5	18.
23.2	7.4	6170.2	400.0	-20.9	-45.3	217.0	28.5	17.4	22.5	324.8	329.4	0.2	9.2	26.6	20.
24.5	76.0	6434.7	375.0	-24.3	-48.1	217.0	26.2	15.9	20.6	324.5	330.1	0.2	11.1	29.0	21.
26.1	79.7	6636.4	350.0	-28.7	-49.7	223.2	25.0	17.0	19.5	330.1	331.5	0.1	11.5	31.3	22.
27.0	83.7	6861.9	325.0	-33.1	-49.7	223.2	25.9	17.7	18.9	331.0	331.5	0.1	17.0	33.7	20.
28.5	87.7	7119.0	300.0	-37.6	-53.3	227.1	23.7	17.3	16.1	332.4	332.7	0.1	17.3	36.2	25.
31.4	92.0	7414.5	275.0	-42.5	99.9	228.9	24.3	17.5	16.9	333.7	333.7	0.0	99.9	38.6	27.
33.5	90.4	7674.4	250.0	-45.0	99.9	222.9	27.3	18.3	20.3	333.8	333.8	0.0	99.9	41.8	28.
35.7	101.4	7935.3	225.0	-53.7	99.9	228.1	29.1	21.0	19.4	336.2	336.2	0.0	99.9	45.3	36.
38.0	106.5	8192.5	200.0	-59.3	99.9	234.9	29.0	20.1	16.9	338.8	338.8	0.0	99.9	49.3	31.
40.6	112.2	8419.1	175.0	-62.3	99.9	235.4	29.0	20.5	16.9	347.2	347.2	0.0	99.9	53.4	34.
43.3	118.1	8672.5	150.0	-38.8	99.9	225.3	31.5	22.4	22.2	348.0	348.0	0.0	99.9	57.0	38.
46.4	125.0	8910.2	125.0	-61.5	99.9	223.9	31.3	21.6	22.7	348.0	348.0	0.0	99.9	63.9	36.
50.1	132.7	9109.1	100.0	-61.3	99.9	99.9	99.9	99.9	99.9	68.3	99.9	99.9	99.9	99.9	999.
53.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
57.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
60.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE ON TIME HAVE BEEN INTERPOLATED  
 00 BY JAZZED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 21  
ALTUS, OKLAHOMA  
9 MAY 1979  
2305 GMT

124 98. 0

TIME MUT	CNCT	HEIGHT GPM	PHES ND	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POY T DG K	E POF T DG K	MX STD GM/KG	MM PCT	RANGE KM	AZ DG
000	11.5	422.3	970.6	27.0	18.1	110.0	10.3	-9.7	3.5	304.5	342.7	14.1	59.0	0.0	0.
009	9.9	699.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	94.9	999.9	94.9	999.9	999.9	999.9
018	11.6	427.6	950.0	26.9	19.3	114.0	11.1	-10.2	4.5	304.5	342.7	14.1	59.3	0.0	356.
027	13.7	603.0	925.0	24.7	18.0	147.6	16.2	-9.7	15.3	304.6	343.2	14.3	66.4	0.7	325.
036	14.3	603.4	903.0	22.6	18.9	147.6	17.8	-9.0	15.3	304.8	346.3	15.4	78.9	1.4	327.
045	14.7	1182.6	875.0	19.9	18.3	153.4	15.8	-7.1	14.1	304.5	345.7	15.3	90.4	2.2	328.
054	21.1	1194.7	870.0	18.0	17.0	163.5	14.2	-5.0	13.6	305.0	344.4	14.6	94.1	2.8	330.
063	23.5	1058.7	825.0	16.2	15.3	176.2	14.2	-1.0	14.2	305.8	347.4	13.4	94.3	3.6	335.
072	23.3	1410.4	833.0	14.4	13.5	188.2	14.2	2.0	14.0	306.6	340.3	12.3	96.0	4.3	343.
081	23.6	2182.1	775.0	13.9	11.5	200.5	15.9	5.5	14.9	308.7	339.6	11.1	85.6	5.0	345.
090	31.1	2463.9	750.0	17.8	-25.0	204.4	18.8	7.7	17.1	316.0	318.2	0.7	3.9	5.6	352.
100	31.7	2752.2	725.0	16.0	-25.7	198.4	20.7	6.5	19.6	317.0	319.2	0.6	4.1	6.5	354.
109	31.3	3380.1	700.0	13.4	-26.4	202.3	19.7	7.4	18.3	317.3	319.4	0.6	4.4	7.5	358.
118	31.3	3351.4	675.0	10.6	-28.2	205.6	21.6	9.3	19.5	317.6	319.4	0.6	4.7	8.5	2.
127	41.4	3053.3	670.0	8.1	-29.4	228.7	23.1	11.1	20.2	318.1	319.9	0.5	4.9	9.9	5.
136	44.5	3395.1	625.0	5.4	-33.8	208.9	24.0	11.6	21.0	318.6	320.2	0.5	5.2	11.1	8.
145	47.4	4317.4	600.0	2.3	-32.4	209.3	23.2	11.4	20.1	319.7	320.2	0.4	5.5	12.5	11.
154	51.3	4034.8	575.0	-0.9	-32.8	209.3	23.7	11.6	20.7	318.2	320.4	0.4	6.8	13.3	12.
163	51.3	5111.0	550.0	-4.4	-32.3	209.7	23.1	11.4	20.0	318.8	320.4	0.5	9.1	15.3	14.
172	56.4	5375.3	525.0	-6.8	-37.6	209.4	27.7	11.9	25.0	320.2	321.3	0.3	6.5	16.8	15.
181	62.5	5753.1	500.0	-9.3	-37.1	205.2	28.8	12.3	26.1	321.7	322.6	0.3	6.7	18.4	16.
190	67.7	6184.0	475.0	-17.9	-38.1	213.4	27.6	13.9	23.8	322.0	323.0	0.3	13.0	20.0	17.
199	66.7	6597.5	450.0	-16.2	-40.4	215.7	26.7	16.8	23.4	322.9	323.8	0.2	10.3	21.4	18.
208	69.4	6745.7	425.0	-19.2	-37.1	222.0	24.2	16.2	18.0	324.8	326.1	0.4	18.1	23.1	20.
217	72.3	7435.1	400.0	-22.0	-36.3	213.6	26.0	16.6	20.0	326.5	328.0	0.4	25.7	24.9	21.
226	74.4	7436.7	375.0	-25.4	-42.9	221.2	28.2	18.5	21.2	328.0	328.6	0.2	17.6	27.3	23.
235	74.3	8330.1	350.0	-23.8	-47.7	230.1	24.7	19.0	15.9	329.9	330.4	0.1	14.1	29.3	25.
244	84.2	8330.3	325.0	-32.7	-50.7	231.5	27.7	21.7	17.3	331.7	332.1	0.1	14.5	31.6	27.
253	87.2	8434.0	300.0	-37.7	-53.4	233.0	28.0	22.4	16.9	332.3	332.6	0.1	17.4	34.0	29.
262	94.5	10741.6	275.0	-42.9	-54.4	233.1	24.6	19.6	14.7	333.2	332.9	99.9	99.9	36.4	30.
271	97.3	13716.4	250.0	-49.0	-52.0	230.0	26.8	20.6	17.2	334.6	334.6	99.9	99.9	39.1	32.
280	107.3	11401.1	225.0	-54.1	-54.9	230.8	27.5	21.3	17.4	335.6	335.6	99.9	99.9	42.0	33.
289	107.3	12187.6	200.0	-54.1	-54.9	236.4	30.0	24.9	16.6	339.1	339.9	99.9	99.9	45.1	34.
298	112.9	12773.3	175.0	-64.0	-59.0	245.1	27.6	25.1	11.6	344.3	339.9	99.9	99.9	49.1	36.
307	114.4	13735.3	150.0	-52.4	-59.9	236.2	29.0	24.1	16.2	367.8	339.9	99.9	99.9	51.7	38.
316	125.7	15206.9	125.0	-62.3	-64.9	229.6	27.2	20.7	17.6	392.1	339.9	99.9	99.9	56.4	40.
325	133.1	16438.3	100.0	-63.5	-63.5	93.0	99.9	99.9	99.9	435.1	339.9	99.9	99.9	99.9	99.9
334	97.3	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
343	97.3	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
352	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 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 6 DEG



STATION NO. 21  
ALBUS, OKLAHOMA

10 MAY 1979  
200 GMT

125 98. 0

FILM BIN	CNTCT	HEIGHT GDM	PPES MM	TEMP DG C	DEP RT DG C	DIR °G	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MR WTO CM/KG	RM PCT	RANGE KM	AZ DG
7-3	18-3	422-2	950-2	24-1	19-0	120-0	11-	-9-8	5-6	301-6	360-8	14-7	71-8	9-0	0-
99-9	99-9	87-9	1020-8	39-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
99-9	99-9	99-9	975-9	79-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-3	11-3	423-7	953-0	24-1	19-0	99-9	99-9	99-9	99-9	301-6	360-8	14-7	71-8	9-0	0-
0-6	13-9	496-5	925-0	22-2	18-7	999-9	99-9	99-9	99-9	302-0	361-7	14-9	80-8	999-9	999-9
1-5	15-9	496-2	930-9	21-1	18-7	999-9	99-9	99-9	99-9	303-3	364-3	14-3	86-0	999-9	999-9
2-4	18-4	1150-3	875-8	18-9	17-8	167-7	36-5	-7-3	33-7	303-4	363-6	14-9	93-3	4-7	337-
3-3	2-5	1392-7	852-0	17-9	16-7	178-9	32-2	-0-6	32-2	305-9	363-6	14-3	92-8	8-5	342-
4-2	23-3	1645-6	825-0	17-6	15-1	179-4	26-6	7-0	25-7	307-2	363-6	14-3	89-4	7-9	346-
5-3	25-8	1910-1	833-0	18-1	9-7	218-3	24-6	14-3	19-6	310-5	337-3	9-5	57-9	8-9	351-
5-9	24-4	2182-5	775-0	18-9	-3-8	233-2	24-7	18-9	18-0	318-1	325-4	3-7	21-2	9-7	357-
6-9	31-8	2482-5	750-0	17-1	-11-9	214-2	28-2	15-9	18-0	318-1	321-6	2-0	12-6	18-7	3-
7-7	33-7	175-6	725-0	19-1	-28-2	208-2	32-2	13-2	29-4	317-1	318-9	8-5	3-3	12-3	6-
8-5	36-3	3346-4	732-0	13-8	-28-7	203-9	32-2	13-0	29-4	317-8	317-9	8-6	4-3	13-8	8-
9-5	39-1	3151-1	675-0	11-8	-38-9	206-0	36-8	16-1	31-1	319-3	320-3	8-2	1-8	15-8	18-
10-6	41-9	3544-7	650-0	6-2	-39-2	205-7	37-7	16-4	34-0	319-6	320-3	8-2	2-1	23-3	12-
11-7	44-7	3987-4	625-0	3-4	-40-5	208-9	41-0	18-7	37-5	320-1	320-8	8-2	2-7	25-7	16-
12-8	47-5	4314-7	670-9	0-7	-39-6	209-8	41-0	18-7	37-5	321-1	321-8	8-2	3-0	28-3	17-
13-3	51-6	4663-0	575-0	8-7	-40-5	208-9	38-7	18-6	31-6	321-3	322-0	8-2	3-3	31-1	18-
14-1	53-6	5017-8	553-8	-2-3	-41-6	212-1	39-7	21-1	33-6	322-6	323-2	8-2	9-0	36-1	20-
15-4	56-7	5345-1	525-9	-4-9	-38-2	217-8	37-5	23-0	29-7	323-4	326-7	8-9	25-4	36-8	22-
17-7	54-8	5766-1	500-0	-11-4	-27-3	211-6	37-8	25-1	28-2	323-8	326-9	8-7	23-6	39-4	23-
19-7	63-2	6182-1	475-8	-14-9	-30-2	229-2	36-9	28-0	28-8	326-7	329-0	8-6	15-9	42-8	25-
20-2	66-8	6578-2	450-8	-17-6	-37-1	232-9	34-5	27-5	19-4	328-5	329-3	8-2	10-7	46-7	27-
21-6	67-9	7304-6	425-8	-20-6	-44-3	232-7	32-7	26-4	21-1	329-5	330-2	8-2	13-7	47-3	29-
23-1	71-1	7456-5	400-0	-24-3	-48-7	231-2	34-9	29-4	23-6	331-3	331-8	8-1	11-4	58-6	30-
24-6	77-0	7433-5	375-0	-27-6	-51-8	222-5	34-6	27-4	21-1	332-6	333-8	8-1	11-8	56-2	32-
25-3	83-7	8430-5	350-0	-32-0	-54-9	225-5	34-6	27-4	21-1	332-6	333-8	8-1	11-8	56-2	32-
27-9	84-7	8958-8	325-8	-36-2	-54-9	225-5	34-6	27-4	21-1	332-6	333-8	8-1	11-8	56-2	32-
29-7	84-9	9519-1	308-8	-42-0	-59-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
31-6	93-2	10115-9	275-8	-47-0	-67-0	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
33-8	97-6	12754-8	250-8	-52-6	-72-0	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
36-3	102-4	11443-2	225-8	-58-0	-79-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
39-3	107-6	12193-7	200-8	-61-1	-84-1	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
41-3	113-3	13027-8	175-8	-63-6	-88-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
43-6	118-5	13879-4	150-8	-63-6	-94-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
46-7	126-0	15293-5	125-8	-65-7	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
50-6	133-7	16444-5	102-8	-65-3	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
54-9	141-9	17449-9	75-8	-65-3	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
59-9	149-9	18449-9	50-8	-65-3	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
64-9	157-9	19449-9	25-8	-65-3	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
69-9	165-9	20449-9	0-8	-65-3	-99-9	229-9	34-9	28-0	21-1	332-6	333-8	8-1	11-8	56-2	32-
99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 21  
 ALTUS, OKLAHOMA  
 10 MAY 1979  
 500 GMT

TIME MIN	CHRY	WEIGHT G	PHES MS	TEMP US C	OCB PT DC C	OIM DC	SPEED M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	MR BTD CM/SEC	RM PCT	RANGE M	AZ DC
00.0	11.2	422.3	951.5	23.0	17.4	120.0	11.3	-9.8	300.4	300.4	15.1	80.0	0.0	0.
00.4	94.2	94.4	1500.0	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.2	11.3	438.1	953.0	22.9	17.5	125.3	11.8	-9.7	300.5	300.5	15.3	81.2	0.1	337.
01.6	11.6	457.7	923.0	22.3	17.2	131.6	12.2	-9.4	301.1	301.1	16.5	83.7	0.2	337.
02.0	10.3	458.7	909.0	19.6	16.9	136.6	12.1	-9.6	302.7	302.7	15.6	85.3	1.8	335.
02.4	19.4	1187.4	975.0	19.2	17.5	175.2	25.1	-2.1	302.7	302.7	16.6	95.7	3.2	303.
02.8	2.2	1375.4	450.2	17.1	16.5	194.4	25.6	2.0	306.1	306.1	16.1	98.0	4.6	302.
03.2	2.4	1452.3	925.3	17.0	13.2	192.0	29.4	5.6	304.1	304.1	12.2	82.2	6.1	350.
03.6	2.8	1470.1	974.0	16.8	9.3	205.1	20.8	8.8	310.8	310.8	9.3	55.3	7.1	351.
04.0	2.8	1495.4	774.0	17.9	6.1	219.0	19.6	12.2	316.0	316.0	7.7	48.5	8.2	351.
04.4	3.1	1495.4	757.0	17.9	-7.3	239.5	19.7	15.2	313.0	313.0	5.0	29.3	9.9	7.
04.8	3.4	1497.6	723.0	15.8	-3.6	233.6	20.4	16.4	316.8	316.8	4.0	26.0	5.8	11.
05.2	3.4	1497.6	700.0	13.4	-5.2	231.1	21.3	17.0	317.3	317.3	3.8	27.3	17.5	16.
05.6	3.1	1497.6	675.0	10.6	-7.6	231.1	19.5	15.2	317.5	317.5	3.2	19.6	11.5	19.
06.0	3.1	1497.6	675.0	7.7	-10.2	222.0	21.0	18.1	317.5	317.5	2.6	27.3	12.7	22.
06.4	3.1	1497.6	675.0	5.0	-10.2	212.7	23.9	18.9	318.2	318.2	1.9	21.6	18.3	24.
06.8	3.1	1497.6	675.0	2.4	-12.5	207.2	25.7	11.8	319.9	319.9	1.2	15.5	15.5	28.
07.2	3.1	1497.6	675.0	-0.1	-22.5	205.2	26.7	11.5	319.7	319.7	1.1	16.7	17.3	28.
07.6	3.1	1497.6	675.0	-3.0	-23.1	205.6	24.2	21.8	320.6	320.6	1.0	18.4	15.8	24.
08.0	3.1	1497.6	675.0	-5.4	-23.1	205.6	23.4	11.0	321.5	321.5	1.1	23.9	20.3	25.
08.4	3.1	1497.6	675.0	-9.3	-23.6	210.6	24.8	12.6	322.4	322.4	1.0	23.0	4.1	25.
08.8	3.1	1497.6	675.0	-12.0	-23.7	215.1	24.3	18.3	323.1	323.1	1.2	37.0	24.3	26.
09.2	3.1	1497.6	675.0	-14.6	-23.7	219.4	24.6	19.6	324.1	324.1	1.6	35.3	25.3	25.
09.6	3.1	1497.6	675.0	-16.7	-23.1	217.4	23.8	18.5	327.6	327.6	0.6	26.7	27.9	27.
10.0	3.1	1497.6	675.0	-19.6	-31.5	211.5	24.0	12.5	329.6	329.6	0.5	22.6	24.9	28.
10.4	3.1	1497.6	675.0	-23.6	-30.6	211.6	23.4	12.2	330.7	330.7	0.3	21.9	31.9	28.
10.8	3.1	1497.6	675.0	-27.2	-42.4	212.9	26.4	13.5	332.1	332.1	0.2	21.0	30.2	28.
11.2	3.1	1497.6	675.0	-31.3	-46.2	214.9	26.3	15.8	333.6	333.6	0.2	21.2	31.8	29.
11.6	3.1	1497.6	675.0	-35.7	-67.4	216.2	26.3	15.5	335.1	335.1	0.1	21.5	31.0	29.
12.0	3.1	1497.6	675.0	-41.1	-67.4	219.2	25.8	16.0	335.8	335.8	99.9	99.9	99.9	99.9
12.4	3.1	1497.6	675.0	-46.3	-67.4	223.3	26.7	18.3	337.2	337.2	99.9	99.9	99.9	99.9
12.8	3.1	1497.6	675.0	-51.7	-67.4	227.3	26.5	22.3	339.2	339.2	99.9	99.9	99.9	99.9
13.2	3.1	1497.6	675.0	-57.6	-67.4	231.7	28.6	26.3	341.7	341.7	99.9	99.9	99.9	99.9
13.6	3.1	1497.6	675.0	-61.2	-67.4	231.8	18.6	13.9	344.7	344.7	99.9	99.9	99.9	99.9
14.0	3.1	1497.6	675.0	-65.4	-67.4	231.2	13.3	10.4	347.5	347.5	99.9	99.9	99.9	99.9
14.4	3.1	1497.6	675.0	-64.9	-67.4	221.2	28.1	18.5	349.9	349.9	99.9	99.9	99.9	99.9
14.8	3.1	1497.6	675.0	-60.3	-67.4	229.7	99.9	99.9	353.6	353.6	99.9	99.9	99.9	99.9
15.2	3.1	1497.6	675.0	-44.9	-67.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
15.6	3.1	1497.6	675.0	-96.9	-67.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.0	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.4	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
16.8	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17.2	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
17.6	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.0	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.4	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
18.8	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19.2	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
19.6	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
20.0	3.1	1497.6	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* IF SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 \* IF TEMP MEANS TEMPERATURE FOR TIME HAVE BEEN INTERPOLATED  
 \*\* IF SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG

STATION NO. 21  
 ALFUS, OK ANOMA  
 18 MAY 085 GMT 1979

119 118. 0

TIME MIN	CNTCT	WEIGHT GPH	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/MS	RM PCT	RANGE KM	AZ DG
0.0	11.1	422.0	933.8	22.3	19.8	190.0	5.1	-2.6	4.4	259.5	349.3	15.5	88.8	0.0	0.
00.0	09.9	1000.0	925.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
00.0	09.9	99.9	925.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
0.1	11.4	457.3	930.0	22.3	19.4	183.6	8.1	-2.3	7.8	299.8	339.7	15.1	83.7	0.2	350.
0.7	13.6	689.7	925.0	21.8	19.5	191.7	16.0	2.8	13.7	301.6	343.2	15.6	86.6	0.7	350.
1.5	16.1	923.0	903.0	20.5	19.2	203.5	14.8	5.9	13.5	302.7	345.8	15.8	92.3	1.4	7.
2.4	18.5	1171.6	875.0	18.4	17.3	215.1	17.2	9.9	14.1	302.9	341.8	14.4	93.4	2.1	18.
3.3	21.0	1620.5	850.0	17.1	13.2	222.3	19.3	13.0	14.3	304.0	335.0	11.4	78.3	3.1	26.
4.3	23.5	1676.5	825.0	16.9	12.9	222.4	17.7	12.0	13.0	306.4	337.9	11.5	77.6	4.2	24.
5.2	26.0	1938.8	800.0	15.2	12.8	222.4	18.1	12.2	13.3	307.4	339.3	11.6	86.2	5.1	31.
6.4	24.6	2207.5	775.0	12.6	11.7	225.7	18.1	13.0	12.7	307.4	338.6	11.3	96.2	6.5	36.
7.6	31.2	2492.9	750.0	10.5	10.1	223.5	19.0	13.1	13.8	308.4	337.4	10.4	96.2	7.7	36.
8.6	33.9	2765.4	725.0	8.7	8.0	221.9	21.7	14.5	16.2	309.	335.3	9.4	94.9	8.9	37.
9.4	36.6	3156.4	700.0	7.7	2.9	228.7	19.4	14.6	12.6	311.0	330.9	6.9	73.7	10.0	37.
10.4	39.3	3757.1	675.0	8.5	-13.8	223.3	19.1	13.1	13.9	315.2	321.4	2.0	19.3	11.4	39.
12.3	47.1	3667.9	650.0	6.8	-29.0	213.9	20.1	11.2	16.7	316.6	318.5	0.5	5.7	12.9	39.
13.2	64.9	3768.2	625.0	6.3	-36.2	213.2	19.2	10.5	16.1	317.6	316.4	0.3	3.3	16.2	38.
14.6	67.2	4188.0	600.0	1.4	-37.4	214.3	20.9	11.8	17.3	317.7	316.6	0.3	3.6	15.7	38.
15.7	90.4	4658.4	575.0	-1.6	-29.4	219.6	23.4	14.9	18.0	318.2	320.1	0.6	9.8	17.4	38.
16.3	93.8	5010.9	550.0	-3.9	-21.0	222.8	26.0	17.7	19.1	319.5	323.8	1.3	25.2	19.1	38.
17.9	96.9	5376.0	525.0	-6.6	-31.2	220.1	27.1	17.5	20.7	320.3	322.5	0.6	13.2	20.8	38.
19.3	60.0	5754.6	500.0	-9.3	-39.4	213.2	24.6	13.5	20.6	321.7	322.6	0.2	6.5	22.3	38.
20.2	63.3	6149.2	475.0	-12.2	-50.4	210.3	23.1	11.7	19.9	322.9	323.2	0.1	2.7	26.0	39.
21.3	66.6	6561.2	450.0	-13.3	-53.8	205.2	23.0	9.8	20.8	326.6	326.8	0.0	1.5	25.7	37.
22.7	70.0	6794.5	425.0	-15.9	-60.0	195.5	23.2	6.2	22.4	328.7	328.7	0.0	1.0	27.5	36.
24.3	73.6	7448.7	400.0	-19.6	-62.4	197.6	25.1	7.6	23.9	329.9	329.6	0.0	1.0	29.7	34.
25.9	77.1	7924.4	375.0	-23.2	-68.6	201.6	23.3	8.6	21.7	331.0	331.5	0.1	8.9	31.9	33.
27.6	81.0	8426.6	350.0	-26.4	-38.0	208.8	24.8	11.9	21.7	333.2	333.4	0.6	48.5	36.3	33.
29.0	64.9	8957.5	325.0	-31.0	-35.0	210.8	27.4	14.1	23.6	334.0	336.1	0.6	67.6	38.9	33.
30.4	69.0	9514.1	300.0	-36.3	-49.2	214.7	26.7	15.2	22.0	334.2	335.5	0.4	64.8	38.9	33.
32.0	93.3	10116.2	275.0	-41.6	99.9	216.1	24.6	14.5	19.9	335.0	335.9	0.9	99.9	41.3	33.
33.1	98.0	10754.7	250.0	-47.4	99.9	211.9	24.8	13.0	20.9	335.7	335.9	0.8	99.9	41.2	33.
34.1	102.9	11443.6	225.0	-51.7	99.9	214.9	22.3	12.7	18.3	339.2	339.9	0.9	99.9	47.2	33.
34.4	104.0	12174.6	200.0	-58.6	99.9	220.0	20.8	13.4	16.0	339.9	339.9	0.8	99.9	50.1	33.
43.8	113.5	13024.9	175.0	-66.2	99.9	224.9	26.3	18.6	18.6	340.6	340.6	0.9	99.9	53.3	36.
44.0	114.8	13724.5	150.0	-60.0	99.9	214.6	30.6	24.9	17.7	340.7	340.7	0.9	99.9	58.0	36.
47.4	126.3	15093.8	125.0	-66.8	99.9	99.9	99.9	99.9	99.9	374.1	374.1	0.9	99.9	99.9	99.9
49.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 21  
ALTUS, OKLAHOMA  
10 MAY 1979  
1105 GMT

TIME	CMCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT 1	E POT 1	MI RTO	RM	RANGE	AZ
MIN		GM	MB	CG C	CG C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	KM	DG
0-2	10-7	422-0	950-2	12-0	9-2	340-0	5-1	1-7	-9-8	288-8	308-8	7-7	83-0	0-0	0-
9-9	9-9	99-9	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
9-9	9-9	99-9	775-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
3-7	11-3	476-5	950-0	10-9	8-7	348-9	8-4	2-2	-8-1	289-3	307-6	7-5	86-1	0-6	165-
1-7	13-6	644-0	925-0	9-6	8-3	351-9	8-3	1-2	-8-2	289-2	309-6	7-5	91-6	0-6	166-
1-9	16-1	728-5	900-0	15-5	14-0	338-7	5-2	1-9	-6-9	287-5	327-3	11-3	92-8	1-0	170-
2-7	15-5	1168-7	975-0	15-2	14-7	295-7	4-2	3-8	-1-8	299-6	330-0	11-4	90-4	1-1	164-
3-9	21-0	1414-7	950-0	15-2	11-2	302-4	5-4	4-5	-2-9	302-1	324-1	9-9	77-0	1-3	155-
4-6	21-5	1464-7	825-0	15-2	8-2	287-5	5-4	5-2	-1-6	304-7	327-8	9-3	62-7	1-6	149-
5-5	27-1	1424-1	800-0	14-0	5-7	283-9	6-0	6-8	0-6	306-1	326-3	7-2	57-3	1-8	141-
7-4	31-3	2470-2	775-0	11-9	4-9	248-8	7-4	6-8	2-9	306-7	326-5	7-0	61-9	2-0	131-
7-6	31-7	2751-1	750-0	9-4	5-7	233-7	9-1	7-0	5-7	306-8	329-9	7-7	79-2	2-2	123-
7-8	31-7	2751-1	750-0	7-3	6-7	222-5	13-6	9-2	10-0	307-4	331-4	8-5	95-9	2-4	105-
1-2	31-5	3341-0	700-0	9-3	-7-9	213-9	18-7	10-4	15-5	312-9	322-0	3-0	28-9	2-9	89-
1-2	31-5	3341-0	675-0	8-2	-11-2	207-1	22-0	10-0	19-6	314-8	322-0	2-4	21-9	3-6	74-
11-2	47-1	3651-3	650-0	5-5	-10-8	237-3	23-9	11-0	21-2	315-2	323-2	2-6	23-7	4-7	63-
12-3	48-2	3671-6	625-0	3-5	-12-3	218-7	24-9	13-0	21-2	316-5	324-8	2-7	34-2	6-0	52-
13-3	48-9	4331-2	600-0	1-2	-21-9	218-1	24-7	15-2	19-4	317-5	321-4	1-2	17-1	7-6	49-
14-5	51-7	4482-1	575-0	-1-2	-24-3	224-3	25-4	17-7	18-2	318-6	319-9	0-4	5-9	9-4	47-
14-7	51-3	4724-9	550-0	-3-5	-27-9	226-3	25-3	17-0	17-4	320-0	322-4	0-7	13-4	11-2	47-
14-9	51-0	5160-2	525-0	-6-9	-24-5	222-1	26-7	17-9	19-6	320-1	327-6	2-4	54-5	12-9	47-
15-2	61-1	5734-5	500-0	-9-1	-24-7	217-2	23-1	14-0	18-4	321-9	324-6	1-1	24-4	14-9	46-
17-5	61-4	6134-4	475-0	-11-8	-50-7	214-6	22-7	12-6	18-9	323-4	321-7	0-1	2-7	18-8	45-
21-3	61-9	6563-9	450-0	-14-7	-43-6	210-2	25-4	12-7	21-9	324-7	325-4	0-2	6-6	18-6	43-
22-4	70-3	6757-7	425-0	-18-1	-32-7	211-6	26-7	13-9	22-8	325-8	327-4	0-6	25-6	20-9	42-
23-8	71-9	7476-2	400-0	-21-0	-63-3	222-0	31-0	19-9	23-7	327-7	327-7	0-0	1-0	23-4	41-
25-4	71-5	7994-5	375-0	-25-1	-65-9	223-5	29-7	20-4	21-5	328-4	329-5	0-0	1-0	26-2	41-
27-2	81-3	8394-6	350-0	-27-6	-67-6	224-0	27-3	19-0	19-7	331-6	331-6	0-0	1-0	29-2	42-
27-1	81-3	8327-0	325-0	-31-9	-70-4	226-2	27-4	17-7	20-9	332-7	332-8	0-0	1-0	32-4	42-
31-1	81-5	8487-3	300-0	-36-5	-71-5	218-2	29-3	16-2	20-6	334-0	334-0	0-0	1-0	35-6	41-
33-1	91-8	10084-2	275-0	-41-5	-94-9	219-7	25-2	16-1	19-4	335-1	334-9	99-9	99-9	39-9	41-
35-1	94-3	10722-3	250-0	-47-3	-99-9	222-2	22-4	15-0	16-6	335-8	999-9	99-9	99-9	41-3	42-
37-5	101-2	11410-9	225-0	-52-7	-94-9	208-1	28-1	11-5	25-7	337-7	999-9	99-9	99-9	44-7	40-
41-0	101-4	12154-4	200-0	-59-4	-94-9	218-2	29-7	18-3	23-3	338-7	999-9	99-9	99-9	48-6	39-
42-4	114-0	12435-4	175-0	-64-9	-92-7	222-6	32-9	22-3	24-2	342-8	994-9	99-9	99-9	53-4	39-
45-2	122-3	13733-3	150-0	-62-8	-94-9	231-3	34-1	26-4	21-3	341-9	999-9	99-9	99-9	59-2	40-
48-8	129-0	15356-4	125-0	-63-2	-94-9	218-7	31-6	19-7	24-6	340-6	999-9	99-9	99-9	65-7	41-
52-5	137-0	16431-4	100-0	-63-9	-94-9	99-9	99-9	99-9	99-9	404-2	999-9	99-9	99-9	94-9	409-
59-9	91-7	99-9	75-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
99-2	91-9	99-9	50-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
99-9	91-9	99-9	25-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9

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

STATION NO. 22  
CANADIAN, TEXAS  
9 MAY 1979  
1135 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEL 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 STD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	15.0	735.0	916.6	18.0	17.1	178.0	10.3	-1.8	18.1	299.5	335.6	13.6	89.0	0.0	0.
9.9	94.9	94.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	94.9	94.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	94.9	94.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	94.9	94.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3.5	16.6	471.2	400.0	19.5	19.5	166.5	19.0	-5.1	19.3	301.6	340.8	14.7	92.0	0.7	337.
1.4	17.2	1184.5	875.0	19.4	19.0	180.8	19.8	0.3	19.9	308.0	344.4	15.0	91.3	1.6	334.
2.3	21.5	1185.2	850.0	18.6	16.8	197.9	21.8	6.7	20.8	305.6	344.5	14.3	89.3	2.7	356.
3.3	24.5	1691.3	425.0	16.7	15.1	205.2	21.9	9.3	19.8	308.3	342.5	13.3	90.3	3.9	3.
4.3	27.5	1723.0	503.0	15.9	10.6	217.5	18.6	11.3	18.7	308.1	336.4	10.2	71.0	5.1	11.
5.2	27.1	2174.4	775.0	17.1	-1.3	225.7	18.5	11.8	11.5	312.2	325.8	4.6	29.3	5.9	16.
6.1	31.7	2423.1	753.0	15.3	-2.5	217.1	14.9	9.0	11.9	313.2	325.9	4.3	29.3	6.6	19.
6.9	34.4	2732.4	725.0	13.6	-3.2	201.3	13.5	6.9	12.6	314.4	326.3	4.0	29.3	7.3	20.
7.7	37.1	3333.7	700.0	11.4	-5.4	191.7	14.1	2.9	13.8	315.1	325.9	3.5	29.4	8.0	20.
8.7	37.9	3336.4	675.0	9.3	-7.0	187.0	14.1	2.0	18.0	316.1	326.4	3.4	30.9	8.7	19.
9.7	42.7	3747.4	653.0	7.3	-10.7	189.2	21.7	3.1	21.4	317.3	325.4	2.6	26.5	9.9	17.
10.5	45.5	3897.4	625.0	5.2	-12.4	187.9	25.4	3.5	25.1	318.4	325.4	2.4	26.7	11.5	16.
12.2	47.4	4100.3	600.0	2.0	-14.7	181.5	24.7	0.6	24.7	318.4	324.9	2.0	27.8	13.6	14.
13.4	51.4	4342.7	575.0	-1.1	-15.4	178.0	24.1	-0.9	24.1	318.7	325.0	2.0	27.7	15.8	12.
15.3	54.4	4495.3	550.0	-3.9	-17.0	180.1	24.7	0.1	24.7	319.4	325.3	1.8	35.3	17.9	11.
16.6	57.5	5161.2	525.0	-5.7	-17.0	180.1	25.1	0.6	25.1	321.6	325.4	1.5	31.1	19.9	10.
17.9	62.7	5781.7	503.0	-8.8	-20.1	181.4	25.1	-0.9	25.6	323.2	327.2	1.5	37.0	21.7	9.
19.1	64.0	6137.0	475.0	-11.9	-22.0	176.3	24.8	-1.6	24.7	323.2	327.8	1.4	42.6	23.3	8.
20.3	67.3	6549.1	450.0	-15.8	-23.7	178.8	24.6	-0.5	24.6	323.4	327.6	1.2	50.1	25.1	7.
21.5	71.9	6976.2	425.0	-19.4	-26.1	184.0	23.7	1.7	23.6	324.2	327.8	1.1	54.8	26.9	7.
22.7	74.4	7321.7	400.0	-23.1	-24.4	190.4	25.4	4.6	25.0	324.9	327.8	0.9	58.1	28.6	7.
24.0	74.0	7834.0	375.0	-26.1	-33.7	196.9	26.4	7.7	25.2	327.1	329.2	0.6	49.5	30.7	7.
25.5	81.9	8369.4	350.0	-29.9	-37.4	194.0	28.4	8.6	28.9	328.5	330.9	0.4	47.4	33.0	6.
27.0	85.8	8913.7	325.0	-33.7	-46.6	200.5	27.8	9.7	28.0	330.3	330.9	0.2	25.5	35.3	6.
29.4	90.0	9469.6	300.0	-38.3	-50.8	201.7	26.8	9.9	28.9	331.4	331.8	0.1	25.2	37.9	10.
32.3	94.4	10062.1	275.0	-43.4	-59.9	201.6	28.8	9.9	28.9	332.7	331.8	99.9	999.9	40.4	10.
32.0	94.2	10495.5	250.0	-49.1	-69.9	199.3	27.9	9.2	28.3	333.0	333.0	99.9	999.9	43.4	11.
34.3	104.0	11377.3	225.0	-54.2	-79.9	199.0	28.1	9.1	28.6	333.9	333.9	99.9	999.9	46.4	12.
36.5	107.2	12119.6	200.0	-60.2	-89.9	200.6	33.9	11.9	31.7	337.5	339.9	99.9	999.9	50.0	12.
39.0	114.5	12993.1	175.0	-61.8	-99.9	205.4	36.3	15.6	32.7	340.0	340.0	99.9	999.9	54.5	13.
40.3	121.2	13905.7	150.0	-65.2	-99.9	202.0	28.0	10.9	28.9	346.3	349.9	99.9	999.9	58.0	14.
43.7	127.8	15242.9	125.0	-62.7	-99.9	201.6	28.8	10.6	28.7	381.4	381.4	99.9	999.9	64.4	14.
47.7	132.3	16417.7	100.0	-61.0	-99.9	99.9	99.9	99.9	99.9	410.0	410.0	99.9	999.9	69.9	999.
99.9	94.9	94.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	999.
99.9	94.9	94.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99.9	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	99.9	999.

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

STATION NO. 22  
CANADIAN, TEXAS

9 MAY 1979  
1425 GMT

127 90. 0

TIME MIL	CMTC	WEIGHT GPM	PRES MB	TEMP DG C	DEP BT DU 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/AC	RH PCT	RANGE KM	AZ DG
0.2	18.6	735.0	987.7	22.2	17.6	170.0	0.8	-1.5	6.7	302.7	340.1	13.9	75.0	3.0	0.
01.9	04.9	94.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02.9	04.9	94.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
03.9	04.9	94.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04.9	04.9	94.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
06.6	15.3	906.5	900.0	20.5	18.2	167.5	11.6	-2.5	11.4	302.6	362.6	14.9	87.0	0.4	337.
1.5	18.5	1147.5	875.0	17.7	16.8	179.6	13.7	-0.1	13.7	302.2	339.5	13.9	98.1	1.1	345.
2.4	21.3	1376.7	850.0	17.8	16.6	200.9	14.6	5.2	13.6	304.0	363.3	14.2	92.8	1.8	356.
3.4	23.4	1052.5	825.0	16.1	14.7	213.4	13.5	7.5	11.2	305.6	340.7	12.9	91.5	2.4	6.
4.5	26.4	1314.1	800.0	14.1	12.7	215.2	13.5	7.6	11.0	306.2	338.1	11.6	91.4	3.3	16.
5.5	28.3	2142.0	775.0	12.3	10.3	207.6	12.6	5.8	11.1	307.1	335.4	10.2	87.4	4.1	17.
6.5	31.6	2457.3	750.0	11.1	2.8	190.3	11.1	3.7	10.4	309.7	326.7	6.3	56.8	4.8	18.
7.4	34.7	2740.4	725.0	11.7	-6.6	190.0	13.8	2.4	13.6	312.3	322.1	3.2	27.1	5.4	18.
8.5	37.3	3333.5	700.0	11.1	-15.6	185.6	18.2	1.8	18.1	314.6	320.0	1.6	13.7	6.5	16.
9.5	39.7	3335.5	675.0	9.1	-15.8	184.3	19.4	1.5	19.7	315.9	321.0	1.7	15.4	7.6	14.
10.5	42.5	3466.7	650.0	7.1	-17.5	185.5	22.5	2.2	22.4	317.0	321.9	1.5	15.4	9.0	13.
11.7	45.4	3467.7	625.0	5.0	-14.9	186.2	26.2	2.8	28.0	318.2	322.3	1.3	14.4	10.7	12.
13.0	48.3	4298.7	600.0	2.2	-20.6	186.1	26.4	1.9	28.3	318.7	322.7	1.2	14.5	12.6	11.
14.2	51.3	4263.5	575.0	-0.9	-21.7	181.2	28.0	0.6	28.0	319.0	322.8	1.2	18.8	14.6	10.
15.5	54.3	4733.3	550.0	-4.0	-23.7	181.6	26.9	0.8	26.9	319.3	322.8	1.0	19.0	16.8	8.
16.8	57.5	5154.3	525.0	-7.3	-27.1	181.7	25.7	0.7	25.7	319.7	322.4	0.8	18.6	18.9	8.
18.1	60.9	5736.5	500.0	-9.6	-25.9	178.0	27.2	-0.5	27.2	321.4	324.5	0.9	25.3	20.9	7.
19.3	63.9	6130.2	475.0	-13.0	-24.1	181.1	28.2	0.6	28.2	321.9	325.7	1.1	38.8	22.9	6.
20.5	67.3	6519.7	450.0	-16.5	-24.9	184.5	27.1	2.1	27.0	322.5	326.3	1.1	48.5	25.0	6.
22.1	70.7	7066.5	425.0	-20.3	-25.3	185.9	25.7	2.6	25.5	322.9	326.7	1.1	64.3	27.2	6.
23.1	74.3	7412.5	400.0	-24.5	-29.4	184.5	27.2	4.0	26.9	324.5	327.5	0.9	61.0	29.5	6.
24.2	78.3	7841.6	375.0	-26.4	-35.4	192.0	25.4	5.3	24.9	326.6	328.4	0.5	42.0	32.2	7.
25.3	81.8	8377.3	350.0	-29.7	-43.1	191.4	29.4	5.9	29.2	328.7	329.6	0.2	25.7	35.1	7.
26.7	85.8	8731.1	325.0	-33.9	-43.6	195.3	29.1	7.7	28.0	329.9	330.2	0.1	11.5	38.1	7.
33.5	93.3	9456.6	300.0	-39.4	-56.7	197.7	30.0	9.1	28.6	331.2	331.5	0.1	12.5	41.4	8.
32.5	94.6	10285.3	275.0	-43.8	99.9	200.2	30.5	10.5	28.6	331.8	999.9	99.9	999.9	44.8	9.
34.5	94.2	10681.1	250.0	-49.4	99.9	196.6	30.3	8.7	29.1	333.1	999.9	99.9	999.9	46.5	10.
36.4	104.2	11363.4	225.0	-55.4	99.9	181.7	29.3	6.0	28.7	333.6	999.9	99.9	999.9	52.5	10.
37.3	108.1	12133.6	200.0	-61.7	94.9	198.2	31.4	9.8	29.9	335.1	999.9	99.9	999.9	56.6	10.
42.1	115.3	12826.8	175.0	-61.4	99.9	207.4	33.0	15.1	29.3	348.6	999.9	99.9	999.9	62.4	12.
45.2	121.5	13495.2	150.0	-59.2	94.9	194.5	33.5	10.6	31.8	368.0	999.9	99.9	999.9	68.3	13.
49.2	127.7	15246.9	125.0	-62.0	99.9	201.3	28.9	9.8	25.1	382.7	999.9	99.9	999.9	75.8	13.
53.5	136.7	16413.6	100.0	-61.2	97.9	99.9	99.9	99.9	99.9	409.5	999.9	99.9	999.9	999.9	999.9
99.9	94.9	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	999.9
99.9	94.9	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	999.9
99.9	94.9	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	999.9

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

STATION NO. 22  
CANADIAN TEXAS  
9 MAY 1979  
1705 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	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	14.3	735.0	919.4	22.0	12.5	330.0	5.1	2.6	-4.4	302.4	329.6	10.0	55.0	0.0	0.
0.2	9.9	99.9	1303.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.4	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.6	9.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.8	9.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.0	10.2	916.1	900.0	18.3	12.0	299.6	5.0	4.4	-2.5	300.4	327.2	9.9	65.7	0.2	141.
1.4	14.6	1157.6	975.0	16.8	13.2	257.6	3.6	3.5	0.0	301.3	331.0	11.0	77.3	0.4	130.
2.4	21.1	1405.9	853.0	17.2	16.1	156.1	6.6	-2.5	6.1	304.1	341.3	13.7	93.6	0.3	95.
3.6	23.7	1661.7	823.0	15.7	14.5	159.5	9.2	-3.2	8.6	306.3	341.1	12.7	86.9	0.5	3.
4.6	24.7	1923.9	800.0	14.9	12.0	174.5	10.8	-1.0	10.0	307.0	337.7	11.1	87.7	1.1	353.
5.5	25.0	2192.7	775.0	13.3	8.7	123.5	12.5	0.8	12.5	308.2	333.9	9.2	73.0	1.7	356.
6.6	31.5	2464.6	753.0	11.6	6.4	189.5	14.3	1.4	14.2	309.2	332.1	8.1	70.3	2.6	352.
7.6	34.1	2751.4	725.0	10.1	3.3	149.5	16.4	4.1	15.8	310.6	329.9	6.7	62.3	3.5	1.
8.6	34.9	3043.2	700.0	9.0	-0.7	198.1	19.1	5.9	18.2	312.5	328.0	3.9	37.6	4.7	6.
9.7	37.7	3343.7	675.0	7.6	-7.9	141.8	22.2	4.6	21.8	314.1	323.7	3.1	32.4	6.0	8.
11.1	47.5	3553.6	653.0	5.8	-13.4	108.3	25.1	3.6	24.9	315.6	322.2	2.1	25.5	7.8	0.
12.4	47.3	1173.6	625.0	4.0	-13.6	104.6	27.1	2.2	27.0	317.0	323.7	2.1	26.0	9.8	0.
13.7	47.3	4336.7	600.0	1.8	-17.4	189.3	27.5	2.5	27.4	318.2	323.4	1.6	22.5	12.0	7.
15.0	51.3	4645.7	575.0	-0.3	-21.2	189.2	27.9	2.0	27.9	319.7	323.7	1.2	19.7	14.2	7.
16.3	54.4	4992.3	550.0	-3.2	-23.3	189.7	27.6	1.4	27.6	320.3	323.6	1.1	19.3	16.4	6.
17.6	57.5	5365.3	525.0	-6.2	-25.5	176.9	29.3	-1.6	29.3	321.0	323.0	0.9	22.0	18.5	5.
18.9	60.6	5744.8	500.0	-9.2	-27.1	177.0	29.2	-1.5	29.2	321.8	323.6	0.9	21.6	20.7	4.
20.2	64.0	6134.7	475.0	-12.7	-29.5	179.3	27.0	-0.3	27.0	322.2	324.6	0.7	23.3	23.0	4.
21.5	67.4	6541.9	450.0	-16.1	-24.9	181.4	28.7	0.7	28.7	323.0	326.7	1.1	46.4	25.5	3.
22.8	71.1	6976.1	425.0	-19.8	-25.7	189.9	28.5	2.4	28.4	323.6	327.3	1.1	50.0	28.6	3.
24.2	74.4	7423.5	400.0	-22.7	-33.7	171.1	28.9	5.5	28.3	325.0	328.1	0.7	47.6	31.5	0.
25.7	77.2	7894.4	375.0	-25.2	-37.1	194.9	32.9	8.4	31.8	326.3	329.8	0.4	31.7	34.8	5.
27.1	80.0	8391.4	350.0	-29.6	-40.5	193.5	31.5	7.4	30.6	328.9	333.0	0.3	33.6	38.7	6.
28.4	81.2	8816.0	325.0	-33.8	-47.3	193.3	29.4	7.8	28.4	330.2	333.0	0.2	23.9	42.1	6.
29.8	81.1	9271.8	300.0	-38.6	-50.9	195.9	31.5	9.2	32.3	331.0	331.4	0.1	25.6	46.1	7.
31.1	81.1	9718.8	275.0	-43.6	-50.9	196.1	30.5	8.5	29.3	332.1	999.9	99.9	99.9	49.9	8.
32.4	81.1	10197.5	250.0	-48.5	-59.9	197.5	33.1	10.0	31.6	334.0	999.9	99.9	99.9	54.1	9.
33.7	104.4	11361.9	225.0	-54.4	-67.9	199.3	35.5	9.4	34.2	335.2	999.9	99.9	99.9	59.2	9.
35.0	104.6	12425.7	200.0	-60.5	-69.9	201.0	36.3	12.3	32.0	337.0	999.9	99.9	99.9	64.8	10.
36.3	115.4	13491.1	175.0	-65.5	-69.9	209.3	36.3	17.7	31.6	341.9	999.9	99.9	99.9	71.2	11.
37.6	121.7	14605.3	150.0	-57.6	-69.9	199.8	30.9	10.5	29.1	370.8	999.9	99.9	99.9	77.4	12.
38.9	123.7	15351.7	125.0	-59.1	-69.9	199.8	26.5	9.0	25.0	388.0	999.9	99.9	99.9	83.0	13.
40.2	136.7	16463.3	100.0	-62.1	-69.9	202.4	9.1	3.5	8.4	407.7	999.9	99.9	99.9	91.9	14.
41.5	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
42.8	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
44.1	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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







STATION NO. 22  
CANADIAN, TEXAS

10 MAY 1979 013 GMT

TIME MIN	GMTCT	HEIGHT GPM	PRES WU	TEMP UG 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 BTD G/SEC	RH PCT	RANGE NK	AZ DG
0-2	14-2	735-0	923-0	9-5	6-2	350-0	6-2	1-1	-6-1	299-2	306-3	6-5	83-0	8-0	0-
06-3	04-9	69-6	1003-0	06-9	04-9	04-9	06-9	06-9	06-9	99-9	99-9	99-9	99-9	970-0	000-
07-3	07-7	67-4	975-0	04-9	04-9	04-9	04-9	04-9	04-9	99-9	99-9	99-9	99-9	999-0	000-
08-3	06-7	69-7	950-0	04-9	04-9	04-9	04-9	04-9	04-9	99-9	99-9	99-9	99-9	999-0	000-
09-3	04-3	69-9	925-0	04-9	04-9	04-9	04-9	04-9	04-9	99-9	99-9	99-9	99-9	999-0	000-
0-7	1-6	63-6	900-0	6-7	1-6	499-9	04-9	04-9	04-9	298-4	311-2	6-0	64-6	470-0	000-
1-4	1-4	1174-9	975-0	6-5	2-9	944-9	04-9	04-9	04-9	297-5	305-0	5-4	77-7	333-3	419-
2-2	21-2	1418-7	873-0	18-0	6-9	909-9	04-9	04-9	04-9	248-7	316-6	7-4	83-9	1-5	155-
3-3	21-5	1-63-4	825-0	9-7	4-0	325-5	10-5	5-9	-8-6	248-8	315-9	6-2	67-6	2-3	155-
4-1	26-7	1317-0	900-0	9-6	1-2	296-0	10-7	9-6	-8-4	317-9	317-5	5-2	55-9	2-8	153-
4-7	2-7	2182-7	777-0	9-3	1-6	276-6	12-1	12-0	-1-4	317-9	317-5	5-5	54-6	2-0	147-
5-7	31-2	2456-5	752-0	9-6	1-4	245-6	13-0	11-8	5-4	307-1	323-1	5-7	56-5	3-0	132-
6-4	31-3	2735-4	725-0	8-9	1-0	204-5	15-0	7-4	13-1	319-3	325-6	5-7	57-3	3-5	117-
7-8	35-6	3127-0	703-0	8-9	-0-2	199-5	21-0	7-0	18-8	310-1	325-6	5-4	61-9	3-8	92-
8-9	3-7	3128-6	675-0	5-8	-1-2	999-9	04-9	04-9	04-9	312-2	327-5	5-2	62-7	949-3	000-
1-1	6-7	3623-7	650-0	5-0	-4-7	999-9	04-9	04-9	04-9	314-7	327-2	6-2	43-5	949-3	000-
4-4	9-3	94-4	625-0	4-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
4-9	9-4	94-4	607-0	4-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
5-4	4-9	94-4	575-0	92-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
6-4	9-3	95-9	553-0	98-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
7-9	9-9	99-9	525-0	97-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
8-7	9-7	99-9	503-0	97-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
9-9	9-9	99-9	475-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
1-2	9-4	94-4	450-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
4-3	9-6	94-4	425-0	92-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
5-3	9-3	94-4	403-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
6-3	9-3	94-4	375-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
7-3	9-3	94-4	350-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
8-3	9-3	94-4	325-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
9-3	9-3	94-4	300-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
1-4	9-4	94-4	275-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
2-4	9-4	94-4	250-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
3-4	9-4	94-4	225-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
4-4	9-4	94-4	200-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
5-4	9-4	94-4	175-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
6-4	9-4	94-4	150-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
7-4	9-4	94-4	125-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
8-4	9-4	94-4	100-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
9-4	9-4	94-4	75-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
10-4	9-4	94-4	50-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-
11-4	9-4	94-4	25-0	94-9	94-9	94-9	94-9	94-9	94-9	99-9	99-9	99-9	99-9	999-3	000-

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

STATION NO. 22  
CANADIAN, TEXAS  
10 MAY 1979  
1112 GMT

TIME	CNCT	WEIGHT	PHES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT 7	E POT 7	HT	RM	RANGE	AZ
MIN		QPM	MO	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	C /MG	PCY	K/9	DC
00	13.5	735.0	925.2	7.1	4.1	320.0	7.7	0.9	-9.9	260.6	301.1	5.6	01.0	0.0	0.0
01	04.9	979.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
02	09.9	979.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
03	09.9	979.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
04	13.5	735.0	925.0	7.1	4.1	319.9	7.8	9.0	-6.0	266.6	301.2	5.6	01.2	0.0	0.0
05	05.9	962.1	925.0	5.1	4.3	318.0	10.9	7.5	-7.9	266.8	302.0	5.8	94.8	0.5	139.0
06	10.3	1191.7	875.0	3.5	2.8	319.0	10.6	7.0	-8.9	267.4	301.5	5.4	95.4	1.2	137.0
07	20.7	1427.9	850.0	6.9	6.3	318.3	8.8	3.6	-8.1	233.4	311.5	7.2	94.1	1.7	141.0
08	21.2	1575.7	825.0	11.0	7.3	305.4	8.9	5.6	-4.8	308.4	308.4	2.8	28.0	2.1	143.0
09	25.7	1731.9	800.0	10.2	-10.5	287.3	9.5	9.5	0.1	302.1	305.4	1.1	11.1	2.4	137.0
10	29.2	2198.4	775.0	8.6	-20.2	256.5	15.2	14.8	3.5	303.1	305.2	1.0	11.0	2.8	127.0
11	33.8	2465.0	750.0	8.7	-19.0	228.1	15.6	11.6	10.4	306.0	311.3	1.7	18.4	3.5	110.0
12	33.4	2795.5	725.0	7.3	-8.5	207.4	15.6	7.2	13.8	307.5	317.2	3.3	34.9	3.8	98.0
13	36.1	3311.5	700.0	5.5	-0.4	197.6	19.3	5.9	18.4	308.9	324.0	5.3	65.4	4.2	84.0
14	39.9	3330.4	675.0	3.8	2.1	182.9	24.3	5.4	23.7	309.9	328.9	6.6	89.5	4.8	69.0
15	41.7	3630.4	650.0	1.9	0.7	168.7	27.3	3.2	27.1	311.2	329.1	6.1	91.3	5.9	55.0
16	46.4	3952.3	625.0	-0.8	-2.2	152.8	28.5	1.4	28.5	311.6	328.8	5.2	89.7	7.2	43.0
17	47.3	4277.4	600.0	-2.9	-5.9	132.3	28.8	1.2	28.7	312.8	325.3	4.2	80.7	6.7	35.0
18	52.3	4614.0	575.0	-4.1	-23.7	106.3	31.7	3.5	33.7	315.2	318.4	1.0	20.0	10.5	29.0
19	54.1	4964.3	550.0	-6.0	-35.3	100.0	34.2	5.9	33.7	317.0	318.3	0.4	8.3	12.5	26.0
20	54.8	5321.4	525.0	-7.2	-54.5	101.1	31.1	6.0	30.6	319.7	319.9	0.0	1.0	15.7	20.0
21	54.6	5735.4	500.0	-10.3	-50.6	103.3	32.1	7.4	31.2	320.3	320.4	0.0	1.0	17.0	22.0
22	54.6	6101.7	475.0	-13.3	-50.3	104.6	32.8	8.3	31.7	321.5	321.7	0.0	1.0	18.4	21.0
23	66.1	6502.7	450.0	-16.6	-63.5	105.3	33.0	8.7	31.9	322.3	322.4	0.0	1.0	22.3	20.0
24	67.7	6932.6	425.0	-18.9	-60.7	107.3	34.3	10.2	32.8	324.7	324.8	0.0	1.0	25.3	20.0
25	71.3	7381.5	400.0	-22.1	-64.0	106.8	36.0	9.2	34.8	326.3	326.4	0.0	1.0	28.5	19.0
26	74.4	7849.4	375.0	-25.7	-64.1	100.7	37.4	8.0	37.0	327.6	327.7	0.0	1.0	32.0	19.0
27	80.7	8342.1	350.0	-29.6	-68.9	101.2	35.4	6.9	34.9	328.9	328.9	0.0	1.0	35.6	18.0
28	86.7	8873.4	325.0	-33.6	-71.5	101.5	34.1	7.2	35.4	330.4	330.4	0.0	1.0	39.3	17.0
29	84.8	9429.4	300.0	-39.2	-74.6	100.4	37.2	5.4	36.8	331.6	331.6	0.0	1.0	43.4	16.0
30	91.2	10222.4	275.0	-43.1	94.9	100.6	39.1	4.5	38.9	332.8	332.8	99.9	99.9	48.4	16.0
31	97.4	10653.3	250.0	-47.4	99.9	100.4	40.96	4.1	40.4	335.7	335.7	99.9	99.9	54.1	15.0
32	102.9	11345.4	225.0	-53.1	99.9	99.9	49.96	99.9	99.9	337.2	337.2	99.9	99.9	60.3	14.0
33	104.0	12045.5	200.0	-59.5	99.9	99.9	99.9	99.9	99.9	338.6	338.6	99.9	99.9	66.3	13.0
34	94.9	94.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
35	94.9	94.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
36	94.9	94.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
37	94.9	94.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
38	94.9	94.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
39	94.9	94.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0
40	94.9	94.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0

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

STATION NO. 23  
CHEYENNE, WYOMING  
9 MAY 1979  
2305 GMT

013 93. 0

TIME MIN	CMTCY	WEIGHT GPM	PMES MM	TEMP DC C	DEW PT DC C	DIM DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT 7 DC K	E POT 7 DC K	RZ RFO GM/KG	RM PCT	RANGE M	AZ DC
0-0	12.8	621.0	926.5	27.3	18.6	110.0	13.4	-12.6	4.6	307.1	387.3	14.7	59.0	0.0	C.
0-2	94.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-3	94.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-4	94.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-5	12.9	635.4	925.0	27.4	17.8	129.3	18.6	-10.7	14.6	306.6	389.0	14.0	52.3	0.1	326.
1-2	15.2	677.7	900.0	27.8	19.2	143.3	18.6	-8.6	14.0	306.2	350.4	16.3	66.6	1.9	322.
2-1	17.4	1128.2	875.0	21.6	19.3	168.4	16.5	-7.3	16.6	306.3	307.3	15.1	69.9	2.8	322.
3-0	17.5	1175.8	850.0	19.3	17.6	156.2	18.1	-7.3	16.6	306.3	307.3	14.3	91.2	3.8	322.
3-7	21.4	1633.7	825.0	17.7	16.3	162.9	18.8	-5.5	16.1	306.3	307.3	13.0	91.4	4.4	322.
4-5	26.1	1996.7	803.0	15.8	14.4	174.4	18.2	-1.4	16.1	306.3	307.3	11.4	62.4	5.2	331.
5-3	26.4	2166.7	775.0	14.8	11.4	185.6	18.4	1.9	19.3	309.8	311.5	9.0	69.6	6.0	342.
6-1	29.7	2464.2	750.0	13.4	8.0	193.9	20.4	5.0	20.0	311.1	326.7	7.0	69.6	6.9	348.
7-0	31.1	2729.6	725.0	12.2	-1.1	202.6	21.5	6.3	19.9	313.9	328.4	4.9	37.3	8.1	353.
8-7	31.5	3328.1	703.0	12.2	-18.8	195.6	24.8	6.6	23.9	316.0	321.8	1.5	11.5	8.1	356.
9-3	34.0	3327.5	675.0	10.7	-19.1	194.2	25.5	6.3	24.7	317.7	321.8	1.2	10.4	9.6	356.
10-1	34.5	3763.4	650.0	8.2	-20.8	192.9	24.8	6.8	23.9	318.2	321.9	1.1	10.7	11.1	354.
11-2	41.1	3982.2	625.0	5.1	-22.9	197.0	26.8	7.8	25.7	318.3	321.6	1.0	12.9	12.8	3.
12-2	43.7	4294.9	600.0	3.0	-22.0	201.7	26.3	9.7	24.4	319.6	323.0	1.0	12.9	14.2	3.
13-1	45.3	4637.2	575.0	0.9	-23.5	203.7	26.9	10.4	24.6	321.0	324.4	1.0	14.0	15.7	5.
14-3	47.1	4747.4	550.0	-1.4	-25.2	201.7	28.0	10.4	26.0	322.4	325.5	0.9	14.2	17.1	7.
15-1	51.9	5181.7	525.0	-4.0	-25.6	198.5	27.8	8.8	26.4	323.6	326.7	0.9	16.6	18.8	8.
16-2	54.8	5764.2	503.0	-7.5	-27.1	197.5	28.0	8.4	26.7	324.0	326.8	0.8	19.0	20.7	9.
17-4	57.7	6181.3	475.0	-10.4	-26.1	194.1	28.7	9.4	27.1	325.2	326.4	1.0	35.8	22.4	9.
18-6	62.7	6524.5	450.0	-14.5	-26.3	202.1	30.3	11.9	27.9	325.0	326.4	1.0	53.4	27.1	12.
19-4	63.8	6944.1	425.0	-18.6	-26.3	207.0	30.0	13.6	26.7	325.2	326.7	1.0	53.4	27.1	12.
21-0	67.0	7433.9	400.0	-21.4	-27.9	207.1	29.6	13.5	26.4	327.2	329.3	0.6	36.5	29.6	13.
22-0	72.3	7937.0	375.0	-23.9	-27.6	208.6	30.1	14.4	26.4	330.0	331.4	0.4	26.9	32.1	18.
24-0	73.7	8027.3	350.0	-24.1	-40.1	214.4	31.0	17.4	25.7	330.9	332.1	0.3	30.1	34.9	16.
25-1	77.3	8438.4	325.0	-32.0	-45.1	214.4	30.8	17.4	25.6	332.6	333.3	0.2	25.2	37.8	17.
28-2	81.3	8483.4	303.0	-36.3	-48.3	215.9	30.1	17.7	24.8	333.9	334.4	0.1	23.4	41.5	19.
30-1	85.0	13302.1	275.0	-43.5	-48.3	216.2	30.7	18.1	24.8	336.6	336.6	99.9	99.9	44.8	20.
31-7	87.0	13738.9	250.0	-43.7	99.9	219.8	34.0	21.8	26.1	341.2	339.9	99.9	99.9	47.8	21.
33-6	93.4	11838.7	225.0	-48.0	99.9	226.8	34.9	25.4	23.9	345.9	339.9	99.9	99.9	51.1	23.
35-2	94.7	12234.9	200.0	-52.0	99.9	232.2	32.5	28.2	16.2	349.1	339.9	99.9	99.9	56.3	25.
37-6	103.0	13253.3	175.0	-54.6	99.9	240.9	38.5	38.0	13.8	353.2	339.9	99.9	99.9	57.6	26.
39-6	104.6	14247.7	150.0	-54.4	99.9	246.9	29.1	21.2	19.9	359.4	339.9	99.9	99.9	61.2	30.
42-3	114.8	15102.7	125.0	-61.1	99.9	247.1	27.1	16.3	21.6	364.3	339.9	99.9	99.9	62.4	31.
47-3	121.8	16558.8	100.0	-53.0	91.9	99.9	99.9	99.9	99.9	413.8	339.9	99.9	99.9	99.9	99.9
49-9	94.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50-9	94.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50-0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 23  
 CHEYENNE, WYOMING  
 18 MAY 1979  
 825 GMT

TIME MIN	CMTCY	WEIGHT GPM	PREC MU	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG R	E POT Y DG R	MR STD G/MG	RM PCT	RANGE KM	AZ DG	
00	12.4	821.0	936.9	19.0	8.4	350.0	18.3	1.8	-10.1	288.7	308.1	7.5	93.0	8.0	0	
05	93.9	800.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
10	99.9	99.0	975.0	20.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
15	99.9	99.0	950.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	
20	13.2	709.1	925.0	6.8	5.7	359.3	9.4	0.9	-9.4	266.3	302.5	6.2	92.9	0.3	108	
25	15.3	733.4	900.0	5.2	4.2	323.4	10.3	2.9	-9.9	266.0	303.9	5.0	93.3	0.6	170	
30	17.5	733.4	875.0	5.2	4.2	323.4	9.5	5.5	-7.7	291.5	309.9	7.0	96.0	1.0	163	
35	19.4	1405.7	850.0	10.6	9.0	304.1	8.0	0.6	-4.5	297.2	320.2	8.0	90.3	1.0	155	
40	22.1	1653.2	825.0	10.9	9.6	284.5	8.5	0.2	-2.1	309.1	323.6	8.0	84.1	1.7	107	
45	24.4	1412.4	800.0	10.4	7.3	258.2	9.7	9.4	7.3	322.3	325.9	0.1	81.1	2.0	136	
50	26.7	2177.1	775.0	9.7	5.4	229.9	12.2	9.4	7.9	306.3	325.7	7.3	74.7	2.2	122	
55	29.1	2467.5	750.0	9.2	3.6	216.4	16.9	18.0	13.6	306.6	325.4	8.7	68.7	2.5	102	
60	31.5	2733.4	725.0	8.5	-0.2	201.2	24.2	0.8	22.6	308.0	325.0	5.2	56.1	3.0	86	
65	34.0	3223.7	700.0	7.7	-5.2	194.0	26.5	0.4	25.7	311.0	322.1	3.7	50.3	3.7	62	
70	36.5	3120.1	675.0	6.5	-5.7	193.9	27.4	0.6	26.4	312.9	322.0	3.7	41.5	4.0	66	
75	39.0	3120.2	650.0	3.8	-5.6	195.7	29.2	7.9	28.1	313.3	323.0	3.9	50.1	0.1	41	
80	41.6	3120.2	625.0	1.5	-6.6	187.8	30.2	9.3	28.0	314.2	323.5	3.7	62.9	7.0	34	
85	44.2	4273.7	600.0	-1.2	-7.3	190.8	28.0	9.0	26.5	314.6	323.9	3.7	62.9	9.4	33	
90	46.9	4612.3	575.0	-3.4	-9.7	196.5	23.7	6.7	22.7	316.0	323.6	3.1	63.5	11.2	30	
95	49.7	4963.0	550.0	-5.2	-12.7	201.2	21.0	7.5	19.5	317.9	320.0	2.6	50.6	12.9	28	
100	52.4	5327.7	525.0	-6.7	-19.8	206.2	20.1	7.1	18.1	320.4	323.4	1.5	34.4	14.5	28	
105	55.3	5707.4	500.0	-9.1	-20.5	209.0	18.2	0.4	15.9	321.9	323.5	0.9	23.2	16.0	28	
110	58.3	6101.6	475.0	-12.5	-18.2	206.0	19.2	0.4	17.2	322.5	323.3	1.8	57.1	17.5	28	
115	61.3	6512.4	450.0	-15.4	-33.0	207.0	23.3	10.6	20.8	323.8	325.7	0.5	20.6	19.0	28	
120	64.4	6911.7	425.0	-17.9	-57.7	209.8	25.9	12.6	22.4	326.0	326.2	0.0	1.6	21.1	28	
125	67.6	7327.7	400.0	-20.6	-63.0	210.8	25.0	13.2	22.1	328.3	329.3	0.0	1.0	24.1	28	
130	70.9	7747.1	375.0	-23.7	-65.0	207.9	24.3	12.1	21.0	330.3	330.6	1.0	1.0	27.0	29	
135	74.3	8166.9	350.0	-27.7	-67.6	207.2	24.9	11.4	22.1	331.5	331.5	0.0	1.0	30.1	29	
140	77.7	8595.4	325.0	-31.9	-70.4	203.3	25.3	10.4	23.2	332.8	332.8	0.0	1.0	32.9	28	
145	81.7	9035.4	300.0	-36.5	-73.5	203.7	27.0	10.9	24.0	334.0	334.0	0.0	1.0	36.0	28	
150	85.6	9485.4	275.0	-41.3	-90.9	204.4	27.1	11.2	24.7	335.4	335.4	0.0	99.9	39.3	28	
155	89.7	9932.3	250.0	-46.2	-99.9	199.6	27.0	9.1	25.4	337.4	337.4	0.0	99.9	42.8	27	
160	93.9	10381.9	225.0	-52.0	-99.9	198.2	30.8	9.6	29.3	337.6	337.6	0.0	99.9	47.4	26	
165	98.5	10830.6	200.0	-59.3	-99.9	206.4	30.5	12.6	27.0	338.8	338.8	0.0	99.9	52.4	26	
170	104.0	11293.3	175.0	-66.3	-99.9	216.2	32.3	10.6	26.0	340.0	340.0	0.0	99.9	58.1	26	
175	109.9	11765.3	150.0	-65.7	-99.9	215.3	28.5	14.5	23.2	357.0	357.0	0.0	99.9	65.2	26	
180	115.7	12250.3	125.0	-64.8	-99.9	195.2	27.0	7.3	24.9	377.7	377.7	0.0	99.9	71.0	27	
185	121.9	12743.3	100.0	-64.8	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
190	128.5	13243.3	75.0	-64.8	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
195	135.7	13750.3	50.0	-64.8	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	143.4	14265.3	25.0	-64.8	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE METERS @ AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE @ TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG

STATION NO. 24  
 CHICKASAW, OKLAHOMA  
 9 MAY 1979  
 151 GMT

TIME MIN	CNCT	HEIGHT GPN	PRES MB	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E PUF T DG K	ME REQ GM/KG	MM PCT	RANGE NM	AZ DG
0.0	10.1	353.0	962.1	21.3	16.9	150.0	4.1	-2.1	3.6	237.7	331.3	12.7	76.0	0.0	0.
00.9	97.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
0.5	11.2	463.2	950.0	21.5	18.3	163.9	11.6	-3.2	11.2	299.0	336.3	14.1	82.0	3.3	369.
1.4	13.5	674.3	925.0	19.4	17.4	174.0	18.1	-1.9	18.0	299.2	335.3	13.7	85.2	1.0	352.
2.2	15.9	933.3	900.0	17.6	16.2	183.9	20.9	1.4	20.9	299.6	334.6	13.0	82.4	2.0	354.
3.0	18.4	1171.0	875.0	15.8	14.2	191.5	23.8	4.7	23.3	300.2	331.7	11.8	92.1	3.1	360.
3.8	20.9	1417.3	850.0	13.9	12.8	198.4	26.3	6.9	23.3	300.7	330.4	11.0	92.1	4.3	36.
4.6	23.3	1674.2	825.0	23.0	-35.9	205.5	23.1	8.1	21.7	312.2	313.7	0.2	1.0	5.6	7.
5.4	25.9	1940.9	800.0	21.9	-33.5	194.9	22.0	7.5	20.7	314.5	315.5	0.3	1.4	0.7	10.
6.3	28.4	2214.7	775.0	19.8	-24.2	204.7	19.9	6.3	18.1	315.1	316.6	0.4	1.4	7.8	11.
7.4	31.0	2494.9	750.0	18.0	-23.7	210.5	18.4	9.3	15.8	316.1	316.7	0.2	1.0	9.8	13.
8.5	33.7	2793.5	725.0	16.0	-21.2	212.3	16.3	8.7	13.8	317.1	320.3	1.0	6.2	9.8	15.
9.5	36.3	3079.5	700.0	13.4	-19.4	212.1	16.6	8.8	14.3	317.3	321.2	1.2	6.6	10.5	17.
10.6	39.0	3364.3	675.0	10.5	-18.4	209.7	17.3	8.6	15.0	317.4	321.7	1.3	8.3	11.9	18.
11.7	41.9	3655.7	650.0	7.9	-22.5	205.0	18.1	7.6	16.4	318.0	321.2	1.0	7.4	13.0	19.
12.9	44.6	3947.3	625.0	5.2	-22.1	201.9	19.2	7.2	17.4	318.4	321.0	1.0	11.0	14.3	19.
14.3	47.5	4243.4	600.0	2.1	-24.2	197.0	19.9	5.8	19.1	318.6	321.6	0.9	12.1	15.7	19.
15.1	50.5	4544.6	575.0	-1.1	-29.1	192.7	20.8	4.5	20.2	318.7	320.8	0.6	9.7	17.0	19.
16.3	53.5	4847.6	550.0	-4.3	-31.6	194.3	18.9	4.6	18.3	319.0	320.8	0.5	11.0	14.5	18.
17.5	56.6	5152.2	525.0	-5.9	-33.7	207.5	13.9	6.4	12.4	321.3	321.5	0.3	1.0	19.7	18.
18.7	59.9	5467.2	500.0	-9.2	-50.9	216.1	11.1	6.6	9.0	321.8	322.1	0.1	1.8	23.6	19.
20.3	63.1	6181.0	475.0	-12.5	-43.9	216.6	10.0	6.3	7.8	322.5	323.1	0.2	5.3	21.4	20.
21.7	66.4	6591.0	450.0	-16.0	-45.7	212.0	12.0	6.4	10.2	323.2	323.7	0.1	5.6	22.3	21.
23.1	69.9	7018.5	425.0	-19.7	-47.7	208.4	13.5	6.4	11.8	324.2	324.7	0.1	6.4	23.4	21.
24.8	73.4	7462.1	400.0	-23.0	-49.9	211.5	14.6	7.6	12.4	325.1	325.5	0.1	6.4	24.8	21.
26.5	77.1	7935.6	375.0	-26.5	-52.1	215.3	12.9	8.0	10.1	326.5	326.9	0.1	6.9	26.1	22.
28.3	81.0	8427.9	350.0	-30.3	-54.6	225.0	15.5	11.0	11.0	327.9	328.1	0.1	7.2	27.5	23.
30.3	85.0	8953.2	325.0	-33.9	-56.9	226.6	16.3	11.0	11.2	330.0	330.2	0.1	7.6	29.3	25.
32.4	89.2	9503.1	300.0	-39.9	-58.1	228.1	14.6	13.9	12.5	330.5	330.7	0.0	10.9	31.4	26.
34.5	93.6	10093.6	275.0	-43.9	-59.9	230.9	19.6	15.2	12.3	331.6	331.6	99.9	99.9	33.6	28.
36.9	98.4	10731.1	250.0	-49.3	-61.9	227.0	17.4	12.7	11.9	331.6	331.6	99.9	99.9	36.2	29.
39.0	103.2	11414.6	225.0	-54.3	-63.9	226.0	17.5	12.6	12.1	335.3	335.3	99.9	99.9	38.2	30.
41.4	108.6	12156.5	200.0	-60.6	-66.9	228.8	21.6	16.2	14.7	336.8	336.8	99.9	99.9	40.7	31.
44.3	114.5	12945.5	175.0	-68.9	-69.9	234.0	25.9	27.0	13.3	332.7	332.7	99.9	99.9	44.7	34.
47.4	121.4	13857.9	150.0	-81.0	-69.9	231.3	25.1	19.6	15.7	368.4	368.4	99.9	99.9	48.9	36.
51.3	127.4	15092.8	125.0	-82.1	-68.9	223.8	24.4	16.9	17.6	382.6	382.6	99.9	99.9	54.6	37.
55.6	135.7	16457.5	100.0	-84.9	-68.9	99.9	99.9	99.9	99.9	402.3	402.3	99.9	99.9	99.9	99.9
59.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 20  
CHICKASHA, OKLAHOMA

9 MAY 1979  
1400 GMT

116 97. 0

TIME MIN	CHTCY	HEIGHT GPM	PHES MB	TEMP DEG C	DEW PT DEG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PIUT Y DG K	E POT Y DG K	MI RTO GM/KG	MM PCT	RANGE KM	AZ DG
0.0	9.0	353.0	963.6	21.5	16.2	180.0	4.6	0.0	4.6	297.8	332.0	12.2	72.0	0.0	0.
9.0	9.1	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
9.9	9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
9.5	13.5	476.5	975.0	20.5	16.9	171.9	15.3	-2.1	15.1	298.0	331.8	12.8	78.9	0.3	350.
1.3	12.7	707.2	925.0	19.1	16.6	176.0	18.5	-1.3	18.4	298.8	331.2	13.0	85.6	1.0	351.
2.2	14.7	762.7	925.0	17.3	16.2	170.5	20.7	3.8	20.4	299.4	331.8	13.0	92.9	2.1	357.
3.0	17.1	1183.7	875.0	15.8	15.0	200.7	21.1	7.5	19.7	300.2	333.3	12.4	95.0	3.2	4.
3.4	14.4	1433.3	850.0	14.2	13.5	210.6	20.5	10.5	17.6	301.1	332.0	11.5	95.1	4.1	9.
4.4	21.7	1692.4	825.0	13.3	12.5	217.0	20.3	12.2	16.2	302.7	333.0	11.2	95.2	5.2	15.
5.6	24.2	1742.1	820.0	11.9	11.2	215.1	20.3	11.7	16.6	303.9	332.7	10.6	95.3	6.1	18.
6.5	27.1	2210.7	775.0	17.2	-3.0	203.6	18.9	7.6	17.3	312.3	324.8	4.2	28.6	7.2	21.
7.6	27.7	2472.0	750.0	17.9	-3.0	198.3	16.9	5.3	16.0	316.1	317.7	0.2	1.0	8.3	20.
8.7	31.2	2778.1	720.0	15.7	-4.1	194.3	17.5	5.5	16.6	316.7	317.2	0.2	1.0	9.4	20.
9.4	33.6	3373.3	700.0	13.2	-4.9	192.2	15.6	4.9	15.0	317.1	317.6	0.1	1.0	10.5	20.
11.0	36.1	3377.4	675.0	10.4	-4.5	202.7	16.8	6.5	15.5	317.3	317.7	0.1	1.0	11.7	20.
12.1	39.7	3689.6	650.0	7.7	-4.5	209.6	14.3	7.1	12.4	317.7	319.1	0.1	1.0	12.8	20.
13.4	41.2	4310.5	625.0	4.5	-4.2	211.4	14.1	7.3	12.0	317.6	317.9	0.1	1.0	13.8	21.
14.6	43.9	4342.7	600.0	1.4	-4.1	210.0	13.7	6.8	11.9	317.8	318.1	0.1	1.0	14.8	22.
15.7	46.4	4681.3	575.0	-1.8	-5.1	208.5	16.0	4.0	14.6	317.9	318.1	0.1	1.0	15.7	22.
17.0	47.3	5312.3	550.0	-4.7	-5.9	197.8	16.4	5.0	15.6	318.5	318.7	0.0	1.0	17.1	22.
18.5	47.2	5392.3	525.0	-6.6	-5.1	192.4	16.4	3.5	16.0	318.5	320.7	0.0	1.0	18.5	21.
2.1	5.1	5775.7	500.0	-9.4	-5.9	194.1	15.5	3.8	15.0	321.6	321.7	0.0	1.0	19.9	21.
21.4	5.0	6167.2	475.0	-12.4	-5.9	196.4	14.1	4.0	13.5	322.6	322.7	0.0	1.0	21.3	20.
23.3	6.1	6579.3	450.0	-16.2	-6.2	198.2	14.8	4.6	14.0	322.9	323.0	0.0	1.0	22.7	20.
24.9	6.4	7006.3	425.0	-23.1	-6.2	208.5	16.2	5.1	15.3	323.2	323.3	0.0	1.0	24.1	20.
26.9	6.5	7452.7	400.0	-23.7	-6.5	208.5	16.7	6.9	15.2	324.2	324.3	0.0	1.0	25.9	20.
2.4	7.7	7721.6	375.0	-26.9	-6.7	217.7	16.8	10.3	13.3	326.1	326.1	0.0	1.0	27.7	21.
3.3	7.4	8615.6	350.0	-30.5	-6.5	226.6	17.1	12.5	11.8	327.7	327.7	0.0	1.0	29.4	22.
14.5	7.7	9335.3	325.0	-34.1	-6.7	229.7	21.4	15.9	15.2	329.8	329.8	0.0	2.1	31.8	24.
34.9	81.7	9491.9	300.0	-33.6	-6.8	223.0	18.9	12.9	13.8	331.0	331.1	0.0	2.5	34.6	26.
37.1	45.7	10294.6	275.0	-44.2	9.3	223.7	19.6	13.5	14.2	331.3	331.3	99.9	99.9	37.0	27.
37.3	82.9	10715.4	250.0	-43.6	8.9	227.1	19.2	14.1	13.1	332.3	332.3	99.9	99.9	39.5	28.
41.6	44.2	11317.0	225.0	-54.1	9.9	226.7	20.1	17.6	16.8	335.6	335.6	99.9	99.9	42.3	29.
44.3	44.0	12143.1	200.0	-60.2	9.9	223.2	22.5	15.4	16.4	337.4	337.4	99.9	99.9	45.1	31.
47.0	108.2	12957.6	175.0	-63.2	9.9	234.9	27.6	22.6	15.9	345.6	345.6	99.9	99.9	49.8	32.
50.4	110.4	13731.7	150.0	-59.4	9.9	229.6	24.8	17.4	17.7	347.7	347.7	99.9	99.9	55.0	34.
54.4	114.0	15267.7	125.0	-63.6	9.9	227.1	21.7	15.9	16.8	349.3	349.3	99.9	99.9	60.8	35.
56.7	123.3	16441.6	100.0	-64.4	9.9	599.9	99.9	99.9	99.9	403.4	403.4	99.9	99.9	99.9	999.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE OR FINE MAY BE INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 26  
CHICKASHA, OKLAHOMA

MAY 1979  
1700 GMT

113 08. 0

TIME MIN	CMCT	WEIGHT GPM	PHES MB	TEMP DG C	DEB DT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PJT T DG K	E PJT T DG K	MR ATO GR/KG	WM PCT	RANGE KM	AZ DG
0-0	9-0	953-0	963-5	24-2	17-3	160-0	5-1	-1-7	4-8	300-5	336-7	13-6	67-0	0-0	0-
0-0	9-0	94-9	1000-0	27-9	94-7	99-9	99-9	99-9	99-9	29-9	999-9	99-9	99-9	999-9	998-
0-0	9-0	4-7	475-0	92-9	94-7	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	999-9	998-
0-5	17-2	476-6	953-0	22-0	16-7	161-3	12-6	-4-1	12-1	299-6	333-4	12-7	71-8	3-3	360-
1-3	17-3	7-1-3	925-0	20-2	16-3	172-5	14-7	-1-9	14-4	300-0	333-4	12-7	76-5	1-0	385-
2-2	14-5	466-7	973-0	19-2	15-6	198-4	15-6	2-3	15-5	331-3	334-9	12-5	79-7	1-8	352-
3-1	15-7	4497-5	975-0	18-4	14-2	211-0	15-2	5-4	14-2	333-0	336-7	11-7	76-2	2-6	353-
3-9	13-9	1492-4	870-0	17-4	13-7	214-0	13-2	7-4	11-0	304-4	336-7	11-9	82-0	3-1	4-
4-6	21-2	1571-6	873-0	15-6	13-2	224-6	11-3	7-9	8-1	305-1	337-0	11-7	85-9	3-6	10-
5-5	23-5	1952-9	800-0	13-9	11-2	224-6	9-7	6-7	7-0	306-0	335-1	10-6	83-8	4-3	15-
6-3	21-4	2727-7	773-0	17-5	-1-3	218-9	12-1	6-9	9-9	312-6	326-3	4-6	29-3	4-5	17-
7-2	23-1	2727-7	753-0	14-1	-9-2	205-3	16-2	6-9	14-6	316-2	326-7	2-7	15-9	5-5	19-
8-3	32-5	2727-7	725-0	15-7	-9-5	198-4	16-3	5-1	15-5	316-7	325-3	2-8	18-0	6-3	20-
9-1	34-9	3497-1	720-0	13-6	-11-2	193-4	17-8	4-1	17-3	317-5	324-5	2-2	15-8	7-3	19-
10-4	34-8	3391-5	673-0	12-6	-13-5	141-2	17-6	3-4	17-3	317-5	323-9	2-0	16-8	8-5	18-
11-4	37-9	3703-6	653-0	7-5	-18-7	140-4	16-4	3-0	16-1	317-5	323-0	1-9	18-6	9-6	17-
12-6	42-6	4264-9	625-0	4-3	-16-0	191-9	16-1	3-3	15-9	317-4	323-0	1-8	21-1	10-7	16-
13-9	43-1	4325-9	600-0	1-2	-18-5	195-1	15-9	4-1	15-4	317-5	322-1	1-4	20-5	11-9	16-
14-2	45-4	4695-4	575-0	-1-7	-20-8	190-0	15-2	4-2	14-6	318-0	322-1	1-3	21-5	13-0	16-
14-2	46-4	5467-6	550-0	-4-4	-24-0	193-1	15-9	4-9	15-1	318-9	321-2	0-7	14-8	14-0	16-
17-3	51-1	5412-5	525-0	-6-4	-31-2	192-5	15-8	4-4	16-0	320-7	322-6	0-5	12-0	15-2	16-
19-6	54-9	7771-7	500-0	-9-4	-33-2	192-5	15-8	3-4	15-4	321-6	323-2	0-5	12-3	16-6	16-
20-3	56-9	6145-7	475-0	-12-2	-35-2	190-4	16-3	5-4	15-3	322-9	324-3	0-4	12-6	17-8	16-
21-3	54-9	6206-4	450-0	-15-8	-37-9	210-3	16-3	8-2	14-1	323-9	324-5	0-3	12-9	19-1	17-
22-8	61-0	7224-3	425-0	-19-4	-41-9	210-7	15-7	8-0	13-5	324-1	325-2	0-3	15-6	20-4	18-
24-3	64-1	7471-6	400-0	-23-3	-46-6	201-7	15-3	7-1	13-5	324-7	325-7	0-3	19-6	21-8	18-
26-3	64-6	7463-1	375-0	-27-4	-43-3	214-5	15-6	6-8	12-6	325-4	326-2	0-2	20-2	23-2	19-
27-7	72-9	9431-6	350-0	-31-5	-46-7	218-9	17-6	11-2	13-8	327-7	326-4	0-2	20-1	24-9	20-
29-9	77-4	5757-6	323-0	-33-7	-44-7	222-1	20-0	13-4	14-9	330-2	330-8	0-1	20-1	27-2	22-
32-4	81-1	6114-6	300-0	-37-6	-52-1	224-9	21-6	15-2	15-3	332-1	332-5	0-1	20-5	30-1	24-
34-2	84-0	10107-0	275-0	-43-2	-62-9	226-9	20-3	14-8	13-9	332-7	332-7	99-9	99-9	33-1	26-
37-3	84-3	13742-2	250-0	-47-8	-67-3	222-8	22-1	15-1	16-2	335-1	335-1	99-9	99-9	35-6	28-
38-2	92-2	11433-5	225-0	-52-5	-71-3	222-3	23-5	15-8	17-4	338-1	336-4	99-9	99-9	38-6	29-
41-7	92-3	12147-7	200-0	-54-5	-69-9	221-8	23-5	15-7	17-5	340-2	339-7	99-9	99-9	42-0	30-
44-3	121-8	13331-5	175-0	-53-1	-73-9	233-3	23-6	18-2	15-1	345-0	339-9	99-9	99-9	45-6	31-
47-1	107-7	13712-2	150-0	-54-6	-69-3	221-9	26-0	17-4	19-4	347-5	339-9	99-9	99-9	47-6	32-
50-7	113-3	15104-3	125-0	-62-7	-62-9	222-5	22-6	15-3	16-7	345-0	339-9	99-9	99-9	54-9	33-
54-6	123-3	16481-3	100-0	-61-9	-64-3	224-9	20-9	99-9	99-9	436-1	339-9	99-9	99-9	59-9	33-
59-9	91-9	94-3	75-0	-72-9	-61-4	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-
64-9	94-9	94-9	50-3	-92-9	-62-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-
69-9	94-9	94-9	25-0	-99-9	-62-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE GA TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 5 DEG



STATION NO. 24  
CHICKASAW, OKLAHOMA

9 MAY 1979  
2000 GMT

112 107. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	WA RTO GM/KG	RM PCT	RANGE KM	AZ DEG
00.0	00.0	353.0	962.6	25.0	17.2	180.0	5.1	0.0	5.1	302.4	341.8	14.7	65.0	0.0	0.
00.0	00.0	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
00.0	00.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
0.4	9.9	99.9	975.0	24.9	17.4	176.9	10.0	-0.6	10.7	302.4	338.2	13.3	63.2	0.3	0.
1.7	12.1	703.2	922.0	24.9	16.7	176.1	12.0	-0.9	12.8	302.7	338.3	13.2	69.0	0.7	350.
1.7	14.3	741.3	900.0	20.8	16.5	173.4	12.7	-1.5	12.6	303.0	338.7	13.3	76.5	1.2	357.
2.5	16.5	1195.0	875.0	18.8	16.6	174.3	13.2	-1.3	13.2	303.3	340.2	13.7	87.1	1.8	355.
3.4	18.6	1436.5	850.0	16.7	15.6	178.4	13.0	-0.4	13.0	303.6	339.5	13.3	93.3	2.5	356.
4.3	20.9	1599.1	825.0	15.3	14.4	178.7	11.9	-0.3	11.9	304.8	339.2	12.6	94.1	3.2	356.
5.1	23.2	1933.3	800.0	13.4	12.4	176.8	11.7	-0.7	11.7	305.4	336.8	11.4	93.9	3.9	357.
5.9	25.5	2217.5	775.0	11.7	10.7	179.9	12.6	-0.0	12.6	306.4	335.8	10.7	94.6	4.4	357.
6.4	27.9	2491.6	750.0	10.7	-9.7	194.2	14.5	4.0	13.7	310.7	315.3	0.2	1.0	5.1	359.
7.3	30.3	2765.3	725.0	10.9	-32.6	203.0	16.8	6.5	15.4	318.1	318.7	0.2	1.0	5.9	3.
8.2	32.7	3039.0	700.0	10.2	-41.2	199.6	16.6	5.6	15.7	318.2	318.8	0.1	1.0	6.9	5.
9.2	35.2	3312.7	675.0	11.5	-39.3	198.0	17.2	5.3	16.3	318.6	319.3	0.2	1.5	7.8	7.
10.5	37.4	3586.4	650.0	9.9	-39.7	194.2	17.0	5.3	16.2	319.0	319.8	0.2	1.8	8.7	8.
11.7	40.2	4017.0	625.0	5.5	-39.4	197.6	17.1	5.2	16.3	318.7	319.4	0.2	2.2	9.7	9.
12.6	42.8	4388.4	600.0	2.3	-40.1	197.5	17.1	5.2	16.3	318.8	319.5	0.2	2.5	10.7	10.
13.7	45.6	4759.7	575.0	-1.1	-34.2	195.6	19.0	5.4	18.2	318.7	320.0	0.4	5.9	11.8	11.
14.7	47.2	5121.0	550.0	-4.3	-36.1	195.0	18.8	5.1	18.1	319.0	320.1	0.3	6.2	13.0	11.
15.7	51.1	5406.1	525.0	-7.4	-43.6	200.5	17.5	6.1	16.4	319.5	320.1	0.1	3.6	14.3	11.
17.2	54.0	5786.5	500.0	-9.2	-44.4	202.9	17.1	6.7	15.8	321.8	322.3	0.1	3.0	15.6	12.
18.4	56.9	6176.5	475.0	-12.2	-45.7	202.5	16.2	6.2	15.0	322.9	323.4	0.1	4.1	16.8	13.
19.7	57.9	6594.7	450.0	-14.8	-47.1	201.8	17.5	6.3	16.2	324.7	325.1	0.1	4.4	18.2	14.
21.5	63.0	7118.6	425.0	-19.0	-49.4	208.4	17.6	6.4	15.5	326.6	325.0	0.1	4.8	19.6	15.
22.5	66.1	7667.5	400.0	-22.6	-51.4	214.2	18.8	11.7	16.8	325.6	325.9	0.1	5.2	21.0	16.
24.1	69.4	7937.6	375.0	-25.6	-53.2	221.8	19.6	13.1	16.6	327.7	328.0	0.1	5.5	22.4	18.
25.9	72.9	8344.3	350.0	-23.2	-52.6	220.8	21.9	14.3	16.6	329.3	329.7	0.1	9.6	24.4	20.
27.1	76.5	8758.9	325.0	-33.7	-50.7	226.1	21.5	15.5	16.9	330.2	330.5	0.1	9.0	26.2	21.
24.3	91.5	306.0	-37.9	-56.2	226.5	21.7	15.8	15.0	15.0	332.0	332.3	0.1	12.4	28.4	23.
32.7	101.3	275.0	-43.5	99.7	225.6	20.5	14.7	14.4	14.4	332.2	332.5	99.9	99.9	30.6	25.
32.7	99.3	1074.3	250.0	-48.0	99.9	225.6	20.5	14.7	14.4	332.2	332.5	99.9	99.9	33.0	27.
34.8	92.7	11423.7	225.0	-54.0	99.9	230.3	20.2	18.6	15.8	338.6	339.9	99.9	99.9	35.6	28.
37.2	97.4	12176.3	200.0	-59.2	99.7	231.1	23.8	16.8	14.9	339.1	339.9	99.9	99.9	39.7	30.
39.6	124.4	13322.5	175.0	-62.7	99.9	232.8	23.4	20.2	15.3	346.5	349.0	99.9	99.9	42.1	32.
42.2	109.0	13763.6	150.0	-60.3	99.9	224.0	23.4	17.0	18.9	366.2	369.9	99.9	99.9	45.7	35.
45.3	114.3	15393.6	125.0	-62.2	99.9	99.9	99.9	99.9	99.9	382.4	389.9	99.9	99.9	50.3	38.
92.9	99.9	99.9	104.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
96.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
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	99.9	999.9	999.9
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	99.9	999.9	999.9

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 V TEND MEANS TEMPERATURE CORRECTED HAVE BEEN INTERPOLATED  
 LT SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 20  
CHICKASHA, OKLAHOMA  
9 MAY 1979  
2257 GMT

TIME	CMCT	WEIGHT	PMES	TEMP	DEB PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MK RTO	MM	RANGE	AZ
MIN		GPM	MB	CG C	CG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8.9	353.0	961.5	25.5	18.4	180.0	7.2	0.0	7.2	302.0	339.6	14.1	65.0	0.0	0.0
0.5	9.2	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1.0	12.2	693.8	925.0	24.1	14.5	157.6	13.9	-5.1	10.8	302.7	341.0	99.9	99.9	979.9	999.9
1.5	14.2	933.2	705.3	21.5	17.8	159.0	16.1	-5.8	12.9	304.0	343.5	14.7	68.3	0.3	335
2.0	16.5	1177.4	675.0	19.1	17.3	161.5	16.6	-5.3	15.1	303.7	342.7	14.5	79.4	0.4	337
2.5	18.6	1426.7	650.0	17.0	15.7	171.0	15.9	-2.5	15.7	303.6	342.4	14.6	89.7	2.1	338
3.0	20.7	1681.7	625.0	15.9	14.3	177.8	15.1	-0.6	15.1	305.4	340.1	13.4	91.9	3.0	340
3.5	22.7	1943.1	600.0	13.7	12.4	179.9	15.3	-0.6	15.3	305.4	339.6	12.5	89.8	3.9	344
4.0	24.5	2210.2	775.0	11.0	-6.7	183.6	15.3	0.0	15.4	305.6	337.1	11.4	91.5	6.8	347
4.5	27.2	2486.7	750.0	17.3	-14.0	195.3	16.8	6.4	16.2	315.4	320.5	1.6	9.7	5.6	349
5.0	30.3	2774.7	725.0	16.2	-20.5	198.3	16.8	6.4	16.2	315.4	320.5	1.6	6.5	7.5	352
5.5	32.7	3371.6	700.0	14.6	-23.6	198.3	16.9	6.0	16.0	317.2	320.6	1.0	6.5	7.5	355
6.0	35.2	3776.9	675.0	11.9	-22.0	197.4	19.7	5.9	17.9	318.7	321.4	0.8	5.4	8.6	359
6.5	37.7	4630.4	650.0	8.6	-24.4	198.6	21.0	6.7	18.6	318.7	322.2	1.0	7.5	9.8	361
7.0	40.3	5012.1	625.0	9.5	-28.5	201.2	20.4	7.4	19.1	318.8	320.8	0.6	6.4	12.4	365
7.5	42.9	4164.1	600.0	3.1	-29.3	204.8	20.6	8.7	18.7	319.7	321.5	0.5	6.6	13.7	367
8.0	45.5	4596.3	575.0	-0.4	-31.5	207.2	21.6	9.9	19.2	319.5	321.2	0.5	7.3	15.3	369
8.5	48.3	5319.2	550.0	-3.9	-32.6	207.1	21.0	9.6	18.7	319.5	321.0	0.4	8.5	16.8	370
9.0	51.2	5833.9	525.0	-7.1	-37.7	204.0	21.9	8.9	20.0	319.9	320.9	0.3	6.5	14.5	372
9.5	54.0	5782.4	500.0	-7.2	-39.0	204.2	22.2	9.1	20.3	321.8	322.7	0.3	6.7	20.3	373
10.0	57.0	6177.4	475.0	-11.1	-40.2	205.3	21.9	9.4	19.8	324.2	325.1	0.2	6.9	22.1	374
10.5	60.0	6599.7	450.0	-14.8	-42.4	211.6	21.2	11.1	18.0	324.7	325.4	0.2	7.3	24.0	375
11.0	63.1	7317.1	425.0	-18.5	-44.3	214.6	21.6	15.1	18.2	325.3	325.4	0.2	7.7	26.1	376
11.5	67.1	7487.8	400.0	-21.5	-45.2	225.6	24.8	17.7	17.4	327.1	327.7	0.2	9.6	28.4	377
12.0	69.6	7480.6	375.0	-23.0	-45.6	228.4	24.5	18.9	15.6	328.5	329.2	0.2	12.7	30.9	378
12.5	73.0	8430.2	350.0	-28.5	-47.4	228.4	24.9	16.5	14.4	330.4	330.9	0.1	14.1	33.3	379
13.0	76.6	8744.7	325.0	-32.9	-50.9	231.8	22.5	17.7	13.9	331.3	331.7	0.1	14.5	35.6	380
13.5	80.3	9231.4	300.0	-37.0	-54.0	232.5	25.1	19.9	15.3	333.3	333.6	0.1	14.9	38.3	381
14.0	84.2	10114.0	275.0	-42.1	-54.9	235.1	25.2	20.7	14.4	334.2	334.9	0.1	14.9	41.8	382
14.5	88.3	10755.5	250.0	-43.7	-54.9	235.1	23.4	19.2	13.4	334.8	334.8	0.1	14.9	45.3	383
15.0	92.4	11441.5	225.0	-53.3	-54.9	240.5	20.8	18.1	10.2	336.8	336.8	0.1	14.9	48.7	384
15.5	97.4	12131.4	200.0	-54.6	-54.9	245.4	25.0	22.8	10.4	339.9	339.9	0.1	14.9	51.9	385
16.0	102.5	13320.4	175.0	-63.0	-54.9	242.8	29.2	25.9	13.4	346.0	346.0	0.1	14.9	56.3	386
16.5	108.0	13978.4	150.0	-60.6	-54.9	231.7	30.6	24.0	19.0	365.6	365.6	0.1	14.9	62.1	387
17.0	114.3	15104.6	125.0	-63.4	-54.9	227.0	26.7	19.5	18.2	360.2	360.2	0.1	14.9	68.4	388
17.5	121.3	16476.6	100.0	-64.0	-54.9	999.9	99.9	99.9	99.9	404.2	404.2	0.1	14.9	999.9	999.9
18.0	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
18.5	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
19.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN A AND IO DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 26  
CHICKASHA, OKLAHOMA  
10 MAY 1979  
205 GMT

TIME MIN	CMCT	WIND DIR	WIND SPEED	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RFD GM/NG	RH PCT	RANGE KM	AZ DG				
00	19.3	153.2	961.2	23.5	19.0	160.0	3.1	-1.1	2.9	320.0	338.7	14.6	75.0	0.0	0.
01	9.9	93.9	1002.0	99.9	99.7	59.9	99.0	79.9	99.9	99.9	977.9	99.9	999.9	999.9	999.9
02	94.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
03	11.6	85.4	950.3	22.7	20.3	148.6	13.7	-7.1	11.7	320.5	342.8	16.0	85.0	0.3	326.
04	13.8	84.5	925.0	21.0	18.9	152.0	15.0	-6.3	13.3	300.8	340.8	15.1	85.0	0.8	329.
05	15.2	82.4	900.0	19.4	18.0	158.0	17.5	-5.1	16.4	311.5	341.8	15.2	94.9	1.5	332.
06	17.7	80.4	875.0	17.7	15.9	164.3	19.0	-4.1	18.3	320.2	339.7	14.0	95.1	2.4	336.
07	19.5	78.4	850.0	15.9	15.0	173.2	19.6	-2.2	18.5	324.4	337.2	12.7	94.4	3.3	339.
08	21.1	76.4	825.0	14.7	13.6	173.0	19.0	-0.3	19.3	324.2	335.7	12.0	94.9	4.2	343.
09	22.7	74.4	800.0	13.2	12.1	180.5	17.6	0.2	17.6	323.0	335.6	11.2	94.4	5.0	346.
10	24.3	72.4	775.0	11.6	10.7	191.1	16.7	3.2	16.4	311.5	315.4	11.2	94.4	5.9	348.
11	25.9	70.4	750.0	10.4	-17.5	191.1	16.7	3.2	16.4	311.5	315.4	11.2	94.4	5.9	348.
12	27.5	68.4	725.0	9.2	-25.3	193.2	18.4	5.2	17.9	315.2	317.4	10.6	4.0	6.7	353.
13	29.1	66.4	700.0	8.0	-25.3	193.2	18.4	5.2	17.9	315.2	317.4	10.6	4.0	6.7	353.
14	30.7	64.4	675.0	6.8	-25.4	195.9	19.3	5.6	19.5	316.9	319.3	10.6	4.4	7.7	356.
15	32.3	62.4	650.0	5.6	-27.1	195.6	19.5	5.5	19.6	316.9	319.3	10.6	4.4	7.7	356.
16	33.9	60.4	625.0	4.4	-28.3	193.9	19.2	5.2	19.2	317.3	319.1	10.6	4.7	9.9	1.
17	35.5	58.4	600.0	3.2	-24.4	202.3	18.7	7.1	17.3	317.3	320.0	10.6	7.9	11.0	3.
18	37.1	56.4	575.0	2.0	-24.4	202.3	18.7	7.1	17.3	317.3	320.0	10.6	7.9	11.0	3.
19	38.7	54.4	550.0	0.8	-26.6	208.6	19.1	7.9	17.7	317.5	319.8	10.7	8.2	13.4	7.
20	40.3	52.4	525.0	-0.6	-26.6	208.6	19.1	7.9	17.7	317.5	319.8	10.7	8.2	13.4	7.
21	41.9	50.4	500.0	-1.8	-29.6	207.1	19.9	9.6	18.0	317.5	319.7	10.8	8.5	15.2	5.
22	43.5	48.4	475.0	-3.0	-32.7	209.8	19.5	9.4	17.1	318.0	321.0	10.4	9.2	16.1	10.
23	45.1	46.4	450.0	-4.2	-32.9	209.8	19.5	9.4	17.1	318.0	321.0	10.4	9.2	16.1	10.
24	46.7	44.4	425.0	-5.4	-37.7	214.7	20.8	11.9	17.1	320.0	321.0	10.3	9.5	17.9	13.
25	48.3	42.4	400.0	-6.6	-39.6	217.4	20.3	12.1	15.9	322.6	323.6	10.2	7.0	17.7	15.
26	49.9	40.4	375.0	-7.8	-40.6	216.4	20.3	12.1	16.4	323.4	324.2	10.2	7.0	21.4	17.
27	51.5	38.4	350.0	-9.0	-40.6	216.4	20.3	12.1	16.4	323.4	324.2	10.2	7.0	21.4	17.
28	53.1	36.4	325.0	-10.2	-46.5	216.5	21.6	12.9	17.4	324.7	325.2	10.1	4.8	23.1	18.
29	54.7	34.4	300.0	-11.4	-42.4	212.6	20.8	12.9	17.5	326.1	326.9	10.2	4.6	26.9	20.
30	56.3	32.4	275.0	-12.6	-44.1	215.4	20.1	11.7	16.4	327.1	327.9	10.2	4.6	26.9	20.
31	57.9	30.4	250.0	-13.8	-48.9	227.1	20.3	10.6	13.8	329.0	329.4	10.1	6.3	29.5	22.
32	59.5	28.4	225.0	-15.0	-51.9	230.3	20.7	15.9	13.2	329.7	330.1	10.1	6.8	30.4	26.
33	61.1	26.4	200.0	-16.2	-55.2	229.3	21.3	15.1	13.9	330.1	330.4	10.1	7.3	32.8	26.
34	62.7	24.4	175.0	-17.4	-57.5	225.9	20.8	14.9	14.5	332.6	332.8	10.1	10.1	35.4	27.
35	64.3	22.4	150.0	-18.6	-57.5	226.5	21.1	15.3	14.5	333.6	333.6	10.1	999.9	38.2	29.
36	65.9	20.4	125.0	-19.8	-54.9	226.5	21.1	15.3	14.5	333.6	333.6	10.1	999.9	38.2	29.
37	67.5	18.4	100.0	-21.0	-51.9	228.7	21.7	16.3	14.3	335.6	335.6	10.1	999.9	41.3	30.
38	69.1	16.4	75.0	-22.2	-49.9	232.9	21.0	16.7	12.6	337.1	337.1	10.1	999.9	44.4	32.
39	70.7	14.4	50.0	-23.4	-49.9	247.9	22.1	20.4	8.3	340.5	340.5	10.1	999.9	47.8	33.
40	72.3	12.4	25.0	-24.6	-49.9	262.5	17.4	17.2	2.3	346.4	346.4	10.1	999.9	49.7	36.
41	73.9	10.4	0.0	-25.8	-49.9	262.5	17.4	17.2	2.3	346.4	346.4	10.1	999.9	49.7	36.
42	75.5	8.4	0.0	-27.0	-49.9	233.9	20.1	16.3	11.8	381.9	381.9	10.1	999.9	52.1	37.
43	77.1	6.4	0.0	-28.2	-49.9	226.6	25.4	18.5	17.5	377.3	377.3	10.1	999.9	58.2	38.
44	78.7	4.4	0.0	-29.4	-49.9	199.9	99.9	19.9	17.9	401.9	401.9	10.1	999.9	999.9	999.9
45	80.3	2.4	0.0	-30.6	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9
46	81.9	0.4	0.0	-31.8	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9
47	83.5	0.0	0.0	-33.0	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9
48	85.1	0.0	0.0	-34.2	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9
49	86.7	0.0	0.0	-35.4	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9
50	88.3	0.0	0.0	-36.6	-49.9	99.9	99.9	19.9	17.9	99.9	99.9	10.1	999.9	999.9	999.9

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

STATION NO. 24  
CHICKASHA, OKLAHOMA  
10 MAY 1979  
454 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX REQ	RM	RANGE	AZ
MIN		GM	MB	CG	CG C	DG	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	KM	DEG
0.0	7.9	353.0	961.5	23.4	18.5	160.0	4.6	-1.6	4.3	299.9	337.3	1.1	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	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
0.2	1.0	458.1	953.0	23.6	99.9	153.7	23.1	-10.2	20.7	301.2	340.1	99.9	99.9	0.4	341.
1.1	13.6	600.7	923.0	21.2	19.0	999.9	99.9	99.9	99.9	301.0	340.1	14.7	85.1	999.9	99.9
1.9	15.4	924.1	903.0	19.5	18.4	999.9	99.9	99.9	99.9	301.6	340.1	15.0	93.7	999.9	99.9
2.7	14.3	1170.6	875.0	17.5	16.6	999.9	99.9	99.9	99.9	302.0	338.7	13.7	94.5	999.9	99.9
3.5	21.4	1419.7	850.0	15.9	14.9	999.9	99.9	99.9	99.9	302.6	337.1	12.7	96.3	999.9	99.9
4.5	21.3	1672.6	825.0	14.1	11.2	999.9	99.9	99.9	99.9	303.5	335.2	11.7	98.2	999.9	99.9
5.4	21.0	1934.4	803.0	12.4	11.5	999.9	99.9	99.9	99.9	304.4	333.9	10.8	98.2	999.9	99.9
6.2	21.0	2198.1	775.0	12.1	-18.8	999.9	99.9	99.9	99.9	306.8	319.7	6.7	42.6	999.9	99.9
7.2	31.2	2476.5	753.0	17.3	-39.3	999.9	99.9	99.9	99.9	315.4	316.0	0.2	1.0	999.9	99.9
8.1	33.2	2768.3	725.0	15.8	-40.2	999.9	99.9	99.9	99.9	316.8	317.4	0.2	1.0	999.9	99.9
9.1	36.7	3063.1	703.0	13.3	-41.7	201.5	24.8	9.1	23.1	317.3	317.8	0.1	1.0	11.8	359.
1.0	38.4	3363.9	675.0	10.7	-43.4	203.1	24.4	9.6	22.4	317.6	318.0	0.1	1.0	13.2	1.
11.1	42.3	3676.7	653.0	7.7	-45.2	206.5	24.4	10.9	21.9	317.6	318.0	0.1	1.0	14.6	4.
12.2	49.1	4024.1	625.0	5.2	-48.7	209.5	24.6	12.1	21.4	318.4	318.0	0.1	1.0	16.1	6.
13.4	49.1	4324.2	603.0	2.3	-48.5	208.4	25.7	12.2	22.6	318.8	315.1	0.1	1.0	17.6	8.
14.5	51.1	4669.6	575.0	-0.8	-50.5	207.6	27.6	12.8	24.5	319.0	319.3	0.1	1.0	19.5	10.
15.7	54.1	5022.7	550.0	-3.5	-52.1	212.6	25.4	13.7	21.4	320.0	320.2	0.1	1.0	21.3	12.
17.2	57.3	5389.0	525.0	-5.1	-53.2	210.5	23.6	12.0	20.3	322.3	322.5	0.0	1.0	23.0	14.
18.1	61.4	5770.0	503.0	-8.4	-48.9	207.8	22.7	10.6	20.1	322.9	323.3	0.1	3.1	24.6	14.
19.3	61.6	6167.1	475.0	-12.1	-42.6	229.4	22.6	17.0	14.6	323.0	326.4	1.0	32.4	26.0	16.
20.5	67.3	6575.8	453.0	-15.5	-42.9	221.6	21.9	14.5	16.4	323.8	324.5	0.2	7.4	27.3	18.
21.2	70.4	7006.0	425.0	-17.8	-48.9	214.7	21.6	12.3	17.8	326.1	326.5	0.1	4.7	29.0	19.
22.4	74.0	7459.6	403.0	-20.6	-43.1	213.9	22.7	12.7	18.8	328.2	328.3	0.0	1.0	30.9	20.
23.6	77.7	7933.4	375.0	-24.2	-65.2	210.2	23.7	11.9	20.5	329.6	329.7	0.0	1.0	33.2	21.
24.7	81.6	8422.1	350.0	-28.6	-60.9	214.4	24.0	13.5	19.8	330.2	330.3	0.0	2.8	35.4	21.
25.6	85.7	8955.4	325.0	-32.3	-62.5	231.0	26.7	21.0	16.4	332.2	332.3	0.0	3.2	38.2	23.
26.6	89.9	9516.0	303.0	-36.4	-64.5	226.0	24.5	17.6	17.0	334.1	334.2	0.0	3.6	40.8	25.
27.5	94.2	10113.3	275.0	-41.3	-99.7	227.6	25.1	18.6	18.9	335.4	335.4	99.9	99.9	43.6	26.
28.7	97.7	10752.4	250.0	-47.2	-99.9	231.1	24.3	18.9	15.3	336.0	336.0	99.9	99.9	46.5	28.
29.8	103.4	11441.6	225.0	-52.9	-99.9	232.6	23.2	18.4	17.1	337.5	337.5	99.9	99.9	49.4	29.
31.0	109.2	12192.0	203.0	-57.5	-99.9	255.8	25.1	25.1	3.4	341.7	341.7	99.9	99.9	52.8	32.
31.7	115.0	13027.7	175.0	-62.3	-99.9	259.1	18.2	17.8	3.4	347.1	347.1	99.9	99.9	56.5	34.
33.9	121.0	13968.1	150.0	-66.2	-99.9	246.1	19.5	15.8	11.4	356.1	356.1	99.9	99.9	58.1	35.
37.4	129.0	15063.1	125.0	-68.3	-99.9	219.4	21.6	13.6	16.3	371.3	371.3	99.9	99.9	61.3	36.
42.7	136.0	16419.4	100.0	-60.8	-99.9	99.9	99.9	99.9	99.9	410.2	410.2	99.9	99.9	999.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9

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

STATION NO. 24  
CHICKASHA, OKLAHOMA

10 MAY 1979  
000 GMT

115 100. 0

TIME	CHTCT	HEIGHT	GPB	OPRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MA RTO	RH	RANGE	AZ
MIN				MB	DC C	DC	M/SEC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/KG	PCT	KM	DEG
0-0	7-6	353.0	966.2	22.7	19.5	150.0	9.3	-6.7	8.1	299.0	328.4	15.0	82.0	0.0	0.0	0.0
0-5	9-9	1003.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-2	9-8	49.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0-4	13-6	482.4	970.0	20.5	17.6	166.9	9.8	-0.5	9.8	290.4	342.2	16.3	92.4	0.2	10.0	0.0
1-3	12-9	718.6	925.0	20.2	19.5	186.2	12.0	0.9	12.0	300.0	341.2	15.6	93.5	0.6	4.0	0.0
2-3	15-0	951.6	903.0	18.6	17.9	142.3	16.6	3.6	16.6	300.7	339.3	18.5	95.4	1.5	7.0	0.0
3-1	17-3	1193.9	875.0	17.2	16.4	200.1	19.4	6.7	18.3	301.6	338.0	13.6	95.3	2.3	10.0	0.0
4-1	19-5	1441.5	975.0	15.6	14.9	205.5	17.7	7.6	15.9	302.5	336.5	12.7	95.6	3.6	15.0	0.0
5-1	21-8	1691.1	825.0	13.9	13.2	206.9	18.0	8.1	16.0	303.3	335.0	11.7	95.1	4.5	18.0	0.0
6-1	24-2	1957.0	800.0	12.3	11.6	207.2	22.9	10.4	20.3	304.3	333.9	10.8	95.2	5.8	19.0	0.0
6-7	25-5	2221.4	775.0	11.4	10.7	215.1	20.5	11.8	16.8	306.1	332.2	10.5	95.2	6.6	21.0	0.0
7-4	24-9	2498.0	750.0	10.2	9.5	219.8	20.5	13.1	15.7	307.1	332.5	10.0	95.1	7.3	23.0	0.0
8-0	31-3	2774.6	725.0	9.1	8.3	217.6	20.9	12.7	16.5	309.4	330.3	9.6	94.9	8.1	24.0	0.0
8-2	33-8	3068.4	700.0	6.7	5.9	217.6	18.1	11.0	14.3	309.9	333.5	8.3	94.5	9.2	26.0	0.0
10-1	35-2	3366.6	675.0	6.8	-4.1	215.8	13.4	7.9	10.9	313.3	325.9	4.2	45.7	10.2	27.0	0.0
11-4	37-3	3675.4	650.0	5.3	-9.3	210.2	13.7	6.9	11.8	315.0	324.0	2.9	33.7	11.2	27.0	0.0
11-6	41-4	3975.2	625.0	2.8	-24.7	205.7	17.0	7.4	15.3	315.7	317.5	0.5	6.4	12.3	28.0	0.0
13-2	44-1	4323.7	600.0	0.2	-49.8	201.8	18.6	6.9	17.3	316.3	316.6	0.1	1.0	13.7	27.0	0.0
14-4	46-9	4661.3	575.0	-2.2	-51.3	203.5	15.8	6.3	14.5	317.6	317.6	0.1	1.0	15.3	27.0	0.0
15-5	43-6	5013.4	550.0	-5.5	-53.4	196.3	21.2	6.0	20.4	317.6	317.6	0.0	1.0	16.7	28.0	0.0
17-2	52-3	5377.3	525.0	-6.3	-53.9	199.2	20.2	6.6	19.1	320.7	321.1	0.0	1.0	18.5	25.0	0.0
17-4	54-3	5757.3	500.0	-9.5	-38.3	205.7	18.5	8.0	16.7	321.5	322.5	0.3	7.5	19.9	25.0	0.0
21-7	59-3	6151.3	475.0	-11.8	-38.3	205.7	20.3	8.6	18.3	323.6	323.6	0.1	1.9	21.4	25.0	0.0
23-4	64-4	6593.0	450.0	-14.8	-57.5	203.5	19.7	7.9	18.1	324.7	324.8	0.0	1.3	22.9	25.0	0.0
24-4	64-4	6993.0	425.0	-18.0	-57.7	206.4	18.8	8.4	16.8	326.0	326.0	0.0	1.6	24.5	25.0	0.0
27-1	67-7	7443.5	400.0	-20.8	-63.2	215.4	19.6	11.4	16.0	327.9	328.0	0.0	1.0	26.6	25.0	0.0
27-5	71-0	7917.3	375.0	-24.6	-65.6	222.4	20.1	13.5	14.8	329.1	329.2	0.0	1.0	29.3	27.0	0.0
27-7	74-6	8415.2	350.0	-28.9	-68.4	221.3	21.1	13.9	15.8	329.8	329.0	0.0	1.0	31.9	28.0	0.0
31-7	78-1	8942.5	325.0	-33.1	-71.2	228.6	21.5	16.1	14.2	331.1	331.1	0.0	1.0	34.2	29.0	0.0
31-7	81-9	9497.4	300.0	-38.2	-74.6	224.0	17.2	11.9	12.3	331.5	331.5	0.0	1.0	36.5	30.0	0.0
35-4	85-4	10370.5	275.0	-42.8	-79.9	218.8	20.2	12.1	16.1	333.3	333.3	0.0	99.9	38.9	31.0	0.0
37-4	90-2	11270.7	250.0	-48.4	-84.9	222.8	16.2	11.0	11.9	337.6	337.6	0.0	99.9	42.6	31.0	0.0
41-4	94-5	11811.7	225.0	-52.4	-84.9	230.8	15.9	12.3	10.1	338.2	338.2	0.0	99.9	45.0	32.0	0.0
44-5	97-2	12611.7	200.0	-58.9	-84.9	230.0	14.2	13.4	4.0	339.6	339.6	0.0	99.9	46.8	34.0	0.0
47-1	104-6	12989.7	175.0	-63.2	-84.9	215.5	12.5	7.3	10.2	342.3	342.3	0.0	99.9	48.7	34.0	0.0
50-3	110-0	13933.3	150.0	-63.9	-84.9	225.7	23.2	18.6	16.2	360.1	360.1	0.0	99.9	52.0	34.0	0.0
54-7	116-0	15331.1	125.0	-65.8	-84.9	222.4	27.9	18.8	20.6	375.8	375.8	0.0	99.9	58.8	34.0	0.0
60-5	123-0	16370.6	100.0	-60.5	-84.9	99.9	99.9	99.9	99.9	410.9	410.9	0.0	99.9	99.9	99.9	99.9
64-9	94-9	94.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
64-9	94-9	94.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
64-9	94-9	94.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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. 24  
CHICKASAW, OKLAHOMA

10 MAY 1979  
1100 GMT

12U 09. 0

TIME MIN	CNTCT	WEIGHT GPM	PHES 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 RTO GM/KG	RM PCT	RANGE RM	AZ DG
0-0	0-0	353.0	963.5	21.4	20.0	140.0	1.5	-1.0	1.1	297.7	330.3	15.5	92.0	0.0	0.
0-3	0-0	99.9	1000.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0-3	0-0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0-6	0-0	475.5	950.0	20.6	20.6	166.8	13.1	-3.4	12.6	298.3	342.2	16.3	92.0	0.2	333.
1-2	1-2	12.4	975.0	20.6	17.2	177.2	15.0	-0.7	15.0	300.2	340.8	15.6	93.0	0.6	344.
3-0	1-4	784.4	933.0	19.7	17.7	196.3	17.8	4.4	17.2	301.8	340.0	15.6	93.0	1.6	358.
3-3	1-4	1184.2	975.0	19.0	15.9	202.3	18.8	7.1	17.4	303.5	338.9	13.1	82.0	2.6	6.
3-9	1-5	1437.7	850.0	17.9	14.1	208.9	17.7	8.5	15.5	304.9	337.8	12.1	78.6	3.5	11.
4-9	2-3	1693.1	825.0	15.8	13.7	215.2	16.4	9.5	13.4	305.3	337.3	12.1	87.5	4.4	19.
5-7	2-5	1754.7	800.0	14.4	11.6	218.2	16.2	10.0	12.8	306.5	336.5	10.9	83.5	5.2	19.
5-6	2-5	2223.3	775.0	13.1	11.5	226.6	16.1	11.7	11.1	307.9	336.6	11.1	86.9	6.0	22.
7-5	2-5	2692.3	750.0	11.4	9.3	229.8	15.8	12.1	10.2	309.0	336.7	9.9	88.9	6.8	26.
8-5	3-1	2782.4	725.0	9.4	7.9	226.5	15.9	11.9	10.5	309.8	335.9	9.3	90.2	7.7	28.
9-9	3-9	3273.1	703.0	6.9	5.7	226.1	16.4	11.8	11.4	310.2	333.6	8.2	91.7	8.8	31.
10-8	3-9	3771.7	675.0	5.6	-2.5	220.2	17.0	11.0	13.0	311.9	326.7	5.1	82.3	9.9	32.
12-1	4-2	3681.2	650.0	6.2	-21.0	215.0	17.6	10.1	14.4	316.0	319.9	1.2	12.9	11.1	33.
13-2	4-1	4300.9	625.0	3.6	-31.7	213.2	19.3	10.5	16.1	316.6	318.1	0.4	5.4	12.5	33.
14-3	4-1	4330.3	600.0	1.2	-33.0	212.2	20.9	11.2	17.7	317.6	318.9	0.4	5.6	14.0	33.
15-3	4-1	4670.2	575.0	-1.9	-36.7	210.5	23.0	11.7	19.8	317.7	319.6	0.3	6.0	15.8	33.
17-2	5-0	5021.4	550.0	-3.8	-35.8	212.0	24.3	12.9	20.6	319.6	320.7	0.3	6.2	17.6	32.
18-4	5-1	5347.4	525.0	-6.2	-37.2	215.9	24.1	14.1	19.5	321.0	322.1	0.3	6.4	19.5	33.
19-7	5-1	5766.3	500.0	-2.3	-38.2	218.0	23.5	14.4	18.5	321.7	322.7	0.3	7.5	21.3	33.
21-1	61-4	6103.8	475.0	-12.7	-38.8	221.2	24.2	15.9	18.2	322.3	323.7	0.4	13.7	23.2	36.
22-5	64-8	6579.5	450.0	-14.7	-35.5	217.6	25.6	15.6	20.3	323.5	325.0	0.4	18.3	25.3	36.
24-2	68-1	6999.9	425.0	-18.0	-38.9	219.2	26.4	14.8	21.8	325.9	326.3	0.1	4.7	27.8	36.
25-4	71-7	7459.7	400.0	-21.7	-33.7	217.6	25.4	15.4	20.2	326.8	327.1	0.1	5.1	30.4	36.
27-5	75-4	7921.4	375.0	-25.3	-28.4	219.0	27.2	17.1	21.1	328.2	328.4	0.1	6.7	33.2	35.
29-3	79-3	8414.4	350.0	-28.7	-28.0	218.3	27.2	16.9	21.4	330.1	330.2	0.0	6.0	36.0	35.
31-3	83-3	8755.4	325.0	-33.0	-20.7	218.8	24.7	15.5	19.3	331.2	332.4	0.3	45.9	38.7	35.
32-9	87-9	9503.1	300.0	-37.9	-21.2	221.9	26.5	17.7	19.7	332.0	333.3	0.3	70.8	41.5	36.
34-9	91-4	10196.7	275.0	-42.8	-21.6	216.1	26.8	15.8	21.7	333.3	334.9	0.9	99.9	44.9	36.
37-7	96-6	10733.2	250.0	-47.7	-20.9	209.7	23.9	11.9	20.7	335.2	336.9	0.9	99.9	49.0	36.
42-6	106-4	12105.9	200.0	-53.6	-20.9	210.6	21.1	7.4	19.8	336.3	338.9	0.9	99.9	52.0	35.
45-6	112-9	12744.1	175.0	-60.8	-20.9	228.0	27.6	12.7	21.7	337.6	339.9	0.9	99.9	55.3	36.
49-4	119-3	13934.1	150.0	-62.1	-20.9	229.9	30.8	20.5	18.5	339.6	340.9	0.9	99.9	59.5	35.
53-4	126-3	15052.8	125.0	-66.3	-20.9	215.1	32.6	18.7	19.9	343.0	340.9	0.9	99.9	66.3	37.
55-4	136-3	16411.6	100.0	-62.7	-20.9	99.9	99.9	99.9	28.7	375.0	340.9	0.9	99.9	73.1	37.
99-9	99-9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	408.7	340.9	340.9	99.9	99.9	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	99.9	99.9	99.9	999.9	999.
99-3	99-0	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

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

STATION NO. 25  
 CHILDESS, TEXAS  
 9 MAY 1979  
 1232 GMT

101 177. 0

TIME MIN	CHCFT	WEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MI RTO GM/KG	RM PCT	RANGE K4	AZ DEG
0.0	12.0	590.0	932.2	22.5	18.3	150.0	7.7	-3.9	0.7	301.7	340.0	14.4	77.0	0.0	0.
97.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.2	12.7	653.6	925.0	21.0	18.3	167.8	11.6	-2.4	11.3	300.0	330.7	14.3	83.5	0.3	345.
0.9	15.1	75.2	903.3	20.6	18.4	166.5	14.9	1.7	14.9	322.7	342.8	13.0	87.3	0.7	347.
1.7	17.5	1183.7	875.0	19.8	17.7	205.9	17.3	7.5	15.3	304.3	344.1	14.8	87.8	1.5	2.
2.5	23.0	1375.7	853.0	18.4	16.5	215.3	18.5	10.7	15.1	305.4	343.6	14.1	88.7	2.3	16.
3.3	27.5	1622.4	823.0	16.9	14.4	221.8	19.9	13.3	14.8	306.5	341.1	12.6	85.0	3.2	21.
4.1	25.3	1318.7	800.0	15.3	11.9	229.6	20.4	15.6	13.2	307.7	335.4	11.1	79.2	4.0	26.
4.9	27.5	2184.4	775.0	13.2	7.4	241.9	17.8	15.7	8.4	310.2	334.1	8.4	59.8	4.9	32.
5.7	37.1	2493.0	753.0	13.1	-2.5	248.1	12.6	11.6	4.7	313.0	331.0	6.2	42.8	5.5	37.
6.6	32.7	2750.1	725.0	14.8	-2.5	235.0	14.3	11.7	8.2	315.7	328.9	4.4	30.3	6.0	39.
7.5	35.4	3240.1	700.0	13.6	-7.2	221.6	19.5	13.0	18.6	317.5	327.4	3.2	22.9	7.0	40.
1.4	38.1	3351.0	675.0	11.3	-10.3	213.9	21.2	11.8	17.6	318.4	324.4	2.6	20.7	8.2	40.
0.1	40.9	1648.6	650.0	9.1	-12.1	209.0	22.0	10.7	19.2	319.3	326.6	2.3	23.8	9.4	39.
10.5	43.9	3487.4	625.0	6.0	-14.2	203.3	23.7	9.3	18.6	319.3	325.8	2.0	21.8	10.8	37.
11.5	46.5	4317.6	600.0	2.6	-15.1	198.9	24.2	6.5	19.1	319.1	325.4	2.0	25.6	12.1	35.
12.7	47.5	4681.7	575.0	-0.6	-14.0	194.2	24.1	4.9	19.5	319.3	325.0	2.1	33.2	13.4	33.
13.9	52.5	5014.7	550.0	-3.9	-15.9	172.4	18.4	3.9	18.0	319.4	325.9	2.0	38.7	14.6	32.
15.0	55.6	5380.7	525.0	-5.5	-21.8	201.6	18.6	6.8	17.3	321.8	326.0	1.3	26.5	15.9	30.
16.3	54.9	5761.1	500.0	-8.4	-21.4	210.5	20.3	10.3	17.5	322.7	327.3	1.0	34.2	17.4	38.
17.7	67.9	6150.5	472.0	-12.0	-22.9	216.1	21.2	12.3	17.2	321.1	327.4	1.3	34.9	19.1	30.
18.1	65.3	6507.5	450.0	-15.9	-23.9	216.9	21.6	12.9	17.3	323.2	327.3	1.2	50.1	20.9	31.
22.0	72.3	6995.2	425.0	-19.7	-29.6	217.8	21.8	13.3	17.2	323.8	326.7	0.9	45.1	22.7	31.
23.1	75.9	7914.8	400.0	-24.4	-34.1	225.1	23.4	16.6	16.5	325.9	327.8	0.5	33.5	24.7	32.
24.2	77.7	8412.6	375.0	-28.0	-40.0	221.0	22.1	14.5	16.7	328.9	333.2	0.4	27.1	26.6	33.
24.5	81.7	8734.0	350.0	-33.4	-43.4	218.3	22.1	13.7	17.3	329.7	333.9	0.3	33.5	28.7	34.
27.4	87.8	9424.3	300.0	-37.9	-47.5	211.6	25.4	14.2	18.2	332.3	332.7	0.2	35.1	33.4	35.
33.5	92.2	10287.7	275.0	-43.3	99.9	217.0	25.6	15.7	20.3	332.3	333.3	99.9	99.9	30.3	35.
33.0	95.8	10721.6	250.0	-49.0	99.9	220.3	25.3	16.4	19.3	333.3	333.3	99.9	99.9	40.3	35.
37.6	101.6	11491.9	225.0	-54.2	99.9	225.6	26.8	19.2	18.8	335.5	333.9	99.9	99.9	44.3	36.
37.3	106.8	12153.1	200.0	-58.8	99.9	99.9	99.9	99.9	99.9	339.6	339.6	99.9	99.9	49.0	37.
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
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	99.9	99.9	999.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
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STATION NO. 25  
 CHILHOESS, TEXAS

9 MAY 1967 GMT

123 100. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUF T DEG K	E POT T DEG K	WZ RTO CM/SEC	WH PLT	RANGE KM	AZ DEG
0.0	11.1	596.0	932.6	22.2	17.1	100.0	7.7	-2.6	7.2	301.3	337.0	13.3	73.0	0.0	0.
0.7	9.9	94.0	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
5.7	9.9	99.9	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
5.7	9.9	99.9	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3.2	11.4	667.4	925.0	22.2	17.7	171.5	11.5	-1.7	11.4	342.0	339.4	16.0	75.9	0.3	352.
1.3	11.3	931.7	900.0	23.4	17.5	183.0	13.1	0.7	13.1	332.5	340.6	14.2	83.4	0.0	353.
1.3	11.7	114.7	900.0	19.4	17.3	201.7	15.4	5.9	14.0	302.9	341.5	14.4	93.0	1.5	1.
2.7	21.2	1144.7	850.0	18.6	17.5	219.3	17.9	11.4	13.9	305.7	345.3	15.0	93.0	2.3	12.
1.5	21.7	1053.3	825.0	17.5	18.2	235.5	15.8	13.1	9.0	337.1	337.3	10.9	71.3	3.1	22.
4.5	21.3	1314.3	800.0	16.5	6.2	257.1	11.8	11.5	2.6	310.9	329.7	6.5	39.0	3.7	31.
5.5	21.9	2174.7	775.0	17.3	-0.7	249.6	9.5	9.3	1.6	312.4	326.3	6.7	29.3	4.0	37.
6.3	31.6	2360.1	750.0	15.0	-0.9	243.0	9.0	8.0	4.1	312.9	325.2	4.1	28.8	4.4	41.
7.3	31.1	2752.4	725.0	14.4	-5.6	220.0	11.3	8.1	7.9	315.2	325.9	3.5	24.0	5.0	42.
8.3	30.8	1351.2	700.0	12.7	-7.2	221.6	15.2	10.1	11.3	316.6	326.4	3.2	24.2	5.6	42.
9.4	31.6	1353.6	675.0	11.5	-9.1	219.2	21.0	12.4	17.0	318.6	327.0	2.7	21.2	7.0	42.
11.6	47.4	3660.1	650.0	9.9	-12.3	212.0	23.5	12.5	20.0	319.0	326.2	2.3	20.9	8.6	40.
11.7	61.3	3321.1	625.0	5.8	-14.5	209.6	24.0	10.8	21.5	319.1	325.5	2.0	21.5	10.2	38.
11.8	41.2	4324.1	600.0	3.4	-16.3	232.1	23.6	8.9	21.8	320.6	326.3	1.8	21.2	11.7	37.
11.2	51.2	4567.1	575.0	-0.4	-17.5	172.0	22.5	6.9	21.4	319.4	325.0	1.7	26.1	13.3	35.
11.2	54.3	1120.4	550.0	-3.8	-19.3	196.4	22.5	6.3	21.6	319.5	324.4	1.5	26.7	14.0	33.
11.4	57.4	3340.4	525.0	-5.3	-21.4	200.7	23.1	0.1	21.6	322.1	325.5	1.0	20.5	16.5	31.
17.7	67.6	5767.4	500.0	-9.3	-26.4	208.7	22.9	9.4	20.4	322.1	324.9	0.8	21.9	18.2	30.
17.7	61.3	6162.2	475.0	-12.1	-22.9	207.4	22.9	10.6	20.3	323.0	327.2	1.3	43.5	20.0	30.
27.3	67.3	6573.2	450.0	-15.5	-24.5	210.5	22.8	11.6	19.7	323.7	327.6	1.2	46.1	21.8	30.
21.7	73.7	7091.4	425.0	-17.4	-27.3	212.6	23.1	12.5	19.4	324.1	327.3	1.0	47.6	23.6	30.
21.2	74.4	7441.3	400.0	-22.5	-32.4	219.3	22.8	14.4	17.4	325.7	327.9	0.6	39.9	25.7	30.
27.1	71.1	7771.2	375.0	-25.0	-37.9	212.2	23.5	15.5	17.7	328.5	329.9	0.4	27.1	28.3	31.
26.9	67.0	8411.3	350.0	-28.4	-40.4	217.1	25.6	15.4	20.4	330.5	331.6	0.3	28.5	30.9	32.
27.4	67.2	8480.8	325.0	-32.3	-45.3	219.0	25.1	15.8	19.5	332.2	333.6	0.2	25.8	33.8	33.
31.4	67.1	9506.3	300.0	-37.2	-49.7	222.6	26.6	14.0	19.6	333.0	333.5	0.1	25.5	36.9	33.
31.6	64.4	10103.9	275.0	-42.2	-49.7	222.9	26.2	17.8	19.2	336.2	337.9	99.9	999.9	40.1	34.
31.1	59.5	10737.4	250.0	-46.2	-49.9	223.5	24.9	17.1	18.1	334.5	339.9	99.9	999.9	43.4	35.
31.5	10.6	11127.4	225.0	-54.1	-49.0	221.1	26.0	16.3	19.6	335.6	349.9	99.9	999.9	47.0	35.
31.2	11.3	12100.7	200.0	-59.5	-49.3	229.4	30.7	23.3	20.0	338.0	351.9	99.9	999.9	51.2	36.
42.6	11.5	12448.6	175.0	-62.6	-49.9	232.5	33.2	26.3	20.2	341.0	352.9	99.9	999.9	56.1	36.
45.3	12.4	13956.4	150.0	-58.3	-49.3	228.9	27.6	19.5	19.6	360.7	359.9	99.9	999.9	62.3	38.
46.3	12.3	15097.4	125.0	-62.1	-49.9	99.9	99.9	99.9	99.9	142.5	999.9	99.9	999.9	67.5	39.
46.9	91.7	91.9	103.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
46.9	91.9	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	999.9
46.9	91.9	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	999.9
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	999.9

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



STATION NO. 25  
CHILDRESS, TEXAS

9 MAY 1979  
1705 GMT

117 125. 6

TIME MIN	CMTCF	HEIGHT GPM	PRES MB	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T OG K	E POT T DC K	PR RTO GM/KG	RM PCT	RANGE KM	AZ DC
0-0	12-9	596-0	932-6	27-8	16-1	180-8	9-3	0-0	9-3	307-0	341-3	12-5	49-8	0-0	0-
0-9	92-9	93-0	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-9	92-9	93-0	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-9	92-9	93-0	950-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-2	13-7	668-5	925-0	26-9	17-3	185-6	10-2	1-0	10-1	306-8	348-0	13-6	53-7	0-3	358-
3-9	16-1	910-7	900-0	26-3	17-0	183-7	11-1	0-7	11-0	306-8	348-0	13-6	53-7	0-6	0-
1-7	18-6	1157-3	875-0	21-5	16-4	181-3	11-3	0-3	11-3	306-2	343-1	13-6	72-5	1-1	1-
2-4	21-1	1409-4	850-0	19-0	16-0	184-3	10-5	0-8	10-5	306-1	343-3	13-6	82-7	1-6	1-
3-2	23-5	1664-7	825-0	16-5	15-3	197-4	10-4	3-1	9-9	326-1	342-7	13-6	92-6	2-1	3-
3-9	24-2	1427-2	809-0	14-4	13-7	214-4	9-3	5-3	7-7	306-6	340-6	12-4	95-8	2-5	7-
4-5	24-6	2196-0	775-0	12-9	12-1	217-6	9-8	6-0	7-8	307-7	339-7	11-6	95-8	2-8	11-
5-3	31-2	2471-3	750-0	10-6	-17-6	212-6	11-3	6-1	9-5	308-1	312-1	1-3	12-2	3-2	14-
6-0	33-8	2755-0	725-0	13-1	-29-7	210-8	19-1	7-7	13-0	313-9	315-4	0-4	3-4	3-8	17-
6-9	36-6	3083-5	700-0	11-5	-30-2	205-4	18-7	8-0	16-9	315-3	316-8	0-4	3-6	4-6	19-
7-9	37-7	3351-2	675-0	9-9	-32-0	202-6	23-1	9-9	21-4	316-8	318-1	0-4	3-4	5-7	20-
8-7	42-3	3682-7	650-0	7-6	-42-4	205-2	26-2	11-1	23-7	317-5	318-0	0-1	1-3	7-1	28-
9-6	44-9	3493-7	625-0	6-9	-42-5	209-0	25-9	12-5	22-6	318-1	318-6	0-1	1-6	8-5	21-
10-7	47-9	3114-9	600-0	2-3	-42-6	212-0	24-0	13-0	20-7	318-1	319-3	0-1	1-9	10-2	23-
11-6	50-8	4556-4	575-0	-0-8	-40-2	201-2	24-0	8-7	22-4	320-4	321-2	0-2	3-7	11-8	24-
12-9	53-9	5039-4	550-0	-3-1	-40-2	201-2	24-0	8-7	22-4	320-4	321-2	0-2	3-7	11-8	24-
13-2	56-9	5375-3	525-0	-9-4	-41-2	198-5	23-1	5-8	22-4	320-5	321-2	0-2	4-1	10-8	26-
14-2	67-3	5754-1	500-0	-12-5	-38-6	199-7	24-5	6-5	23-2	321-6	322-2	0-2	4-4	10-6	23-
16-5	63-3	6184-5	475-0	-16-1	-29-7	203-5	22-7	7-6	21-2	322-6	324-1	0-4	14-0	18-5	22-
18-9	73-1	6980-1	425-0	-19-5	-29-4	209-8	20-8	12-3	21-6	323-5	324-2	0-0	29-8	20-7	22-
21-5	73-6	7434-2	400-0	-24-0	-48-4	219-2	27-7	15-5	20-9	324-4	327-6	0-2	2-2	25-5	24-
21-4	77-3	7925-7	375-0	-29-5	-51-3	221-7	29-4	17-5	21-5	327-9	329-3	0-1	6-8	28-4	25-
25-8	81-1	8402-2	350-0	-33-0	-54-0	220-4	28-0	18-2	21-3	331-2	331-5	0-1	10-8	32-8	27-
27-9	85-1	8927-6	325-0	-37-9	-58-7	220-7	28-7	18-7	21-8	332-0	332-2	0-0	9-2	35-9	29-
32-3	86-2	9484-9	300-0	-42-6	-66-7	221-5	27-2	18-1	20-4	333-5	333-5	99-9	999-9	43-3	31-
34-6	93-6	10378-7	275-0	-48-3	-74-9	223-9	26-5	18-4	19-1	334-2	334-2	99-9	999-9	46-8	32-
36-6	94-2	10714-5	250-0	-54-3	-84-3	225-4	27-7	19-7	19-4	335-3	335-3	99-9	999-9	50-6	33-
36-7	104-6	12185-1	200-0	-59-5	-92-9	234-0	31-3	25-3	18-4	336-4	336-4	99-9	999-9	53-2	34-
42-5	114-5	12374-5	175-0	-62-5	-97-9	236-8	33-8	27-0	19-5	340-4	340-4	99-9	999-9	60-6	36-
45-8	123-9	13933-7	150-0	-58-2	-97-9	99-9	99-9	99-9	99-9	345-0	345-0	99-9	999-9	68-4	37-
49-5	123-0	15372-0	125-0	-61-3	-99-9	99-9	99-9	99-9	99-9	348-0	348-0	99-9	999-9	80-9	999-
49-9	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	99-9	999-
50-9	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	99-9	999-
51-9	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	99-9	999-
52-9	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	99-9	999-

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG  
0 BY TEMP MEANS TEMPERATURE OF TINC HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG





STATION NO. 25  
CHILDRESS, T. S.  
10 MAY 1979  
202 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEN PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT V DG K	E PDT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.1	596.0	929.8	25.7	18.6	150.0	11.3	-5.7	9.8	305.1	345.0	18.7	65.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
00.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
00.0	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
0.1	13.5	681.8	925.0	25.6	18.9	149.7	15.6	-7.8	13.4	305.4	346.2	15.0	66.6	0.4	165.
0.4	15.3	983.1	900.0	24.5	19.4	150.8	20.6	-10.0	18.0	305.7	350.7	16.2	74.3	1.2	329.
1.6	14.3	1124.4	875.3	21.8	18.5	156.8	22.0	-8.6	20.2	305.4	348.6	15.5	81.6	2.2	331.
2.5	23.7	1391.9	850.0	20.9	18.2	168.7	23.0	-4.5	22.5	308.0	350.9	15.7	84.5	3.4	335.
3.4	23.7	1581.4	925.0	21.3	14.6	180.8	24.1	0.3	24.1	311.1	346.9	12.8	65.8	4.6	341.
4.2	24.5	1329.2	800.0	20.1	12.4	190.2	23.5	4.2	23.2	312.6	346.8	11.4	61.3	5.7	385.
5.2	24.2	2181.4	775.0	18.5	8.7	204.3	20.7	8.5	18.9	313.7	340.0	9.2	52.9	6.8	351.
6.1	33.4	2462.7	752.0	16.7	5.4	211.1	20.4	10.6	16.8	315.4	337.3	7.6	49.7	7.7	356.
7.1	33.3	2753.7	725.0	14.5	4.3	216.7	21.0	12.5	16.8	315.4	336.5	7.2	50.4	8.7	1.
8.1	36.3	3485.2	700.0	11.9	2.9	222.6	20.8	14.2	15.3	315.7	335.6	6.8	53.0	9.8	6.
9.2	33.7	3347.7	675.0	9.4	0.1	228.8	20.7	15.6	13.7	316.2	333.2	5.7	52.3	10.8	10.
10.4	41.4	3681.4	650.0	6.9	-4.6	227.1	21.0	15.8	14.7	316.7	329.9	4.4	45.5	12.0	15.
11.7	41.2	3781.4	625.0	5.6	-13.5	216.8	24.3	16.6	19.5	320.0	326.9	2.2	22.1	13.7	18.
13.1	47.1	4316.3	600.0	3.9	-16.4	213.6	23.3	12.9	19.4	320.6	325.3	1.8	21.0	15.5	21.
14.5	53.7	4660.7	575.0	1.8	-18.0	208.5	24.7	11.0	21.7	322.1	327.3	1.6	21.3	17.6	22.
15.8	52.9	5317.1	552.0	-1.5	-19.5	207.0	26.4	12.0	23.5	322.4	327.2	1.5	23.6	19.5	22.
16.9	56.0	5385.3	525.0	-4.7	-22.0	209.7	25.6	12.7	22.2	322.8	327.0	1.2	24.3	21.1	23.
17.9	52.1	5766.4	500.0	-8.7	-24.3	212.3	25.2	13.5	21.3	323.0	326.6	1.1	26.0	22.9	23.
17.1	62.3	6162.2	475.0	-11.8	-27.3	214.6	22.4	12.7	18.5	323.4	326.3	0.9	25.2	24.5	24.
20.5	65.6	6523.2	450.0	-15.8	-27.5	217.1	21.5	12.9	17.1	323.4	326.4	0.9	35.7	26.2	25.
24.3	62.3	7301	425.0	-19.0	-32.3	218.0	24.5	15.1	19.3	324.6	327.4	0.7	36.1	28.0	26.
25.3	72.4	745	400.0	-21.9	-35.2	219.1	24.7	15.5	19.1	325.6	329.3	0.5	24.5	32.4	27.
27.2	74.9	745	375.0	-24.4	-38.3	219.3	26.5	16.8	20.5	326.3	330.6	0.3	24.4	35.8	29.
29.3	74.7	821.5	350.0	-28.5	-42.3	221.6	27.7	18.4	20.7	330.4	331.3	0.3	25.0	38.6	29.
30.7	81.7	848.5	325.0	-33.1	-46.4	223.3	25.4	17.4	18.5	331.0	331.7	0.2	24.9	41.4	30.
33.0	87.7	930.3	300.0	-37.6	-50.3	222.3	26.0	17.5	19.3	332.4	332.9	0.1	23.5	44.8	31.
34.9	92.0	1034.9	275.0	-41.7	-54.9	224.6	26.8	18.8	18.1	334.9	334.9	0.0	23.5	48.8	31.
40.1	94.6	1229.0	250.0	-47.1	-59.7	226.9	27.9	20.2	18.9	336.1	336.1	0.0	23.5	50.7	33.
42.4	101.4	1142.7	225.0	-53.3	-63.9	231.0	30.2	23.5	19.0	336.8	336.8	0.0	23.5	55.9	34.
46.3	104.6	1217.5	200.0	-58.8	-69.9	234.6	34.1	29.4	20.9	337.1	337.1	0.0	23.5	65.4	37.
48.6	112.4	1339.5	175.0	-62.8	-74.9	235.9	38.1	27.4	20.9	337.1	337.1	0.0	23.5	71.7	38.
51.4	114.5	1326.5	150.0	-61.1	-69.9	230.1	31.7	16.7	18.0	337.1	337.1	0.0	23.5	75.6	39.
52.6	125.7	1508.9	125.0	-63.6	-74.9	235.9	34.1	19.9	17.0	337.1	337.1	0.0	23.5	80.7	40.
55.6	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
59.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
92.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9
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	99.9	999.9	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. 25  
CHILDRESS, TEXAS  
10 MAY 1979  
556 GMT

TIME MIN	CNTCT	HEIGHT CM	PRES MG	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 PUT T DG K	WE RTO CM/KG	PCT PCT	RANGE KM	AZ DG
0-3	13-3	506-3	933-5	20-0	15-2	270-0	9-3	9-3	0-0	299-0	330-3	11-0	74-0	0-0	0
00-9	02-7	99-3	1033-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999
04-9	04-7	99-3	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	997-8	99-9	99-9	99-9	999
08-3	04-9	99-3	953-0	99-9	99-3	99-9	99-9	99-9	99-9	99-9	999-0	99-9	99-9	99-9	999
08-3	13-6	046-3	925-0	18-9	14-9	296-6	13-1	11-7	-5-9	297-7	324-5	11-0	82-6	0-2	95
1-2	16-2	405-1	930-0	17-6	13-1	278-4	12-8	12-6	-1-9	299-7	325-1	10-6	74-6	0-7	117
2-0	18-5	115-1	975-0	18-5	14-6	269-5	14-3	13-4	5-0	304-0	336-9	12-1	73-6	1-3	100
2-3	21-1	140-2	950-0	18-5	15-9	238-9	15-4	15-4	9-3	305-5	342-3	13-5	64-9	2-1	85
3-3	23-5	145-7	925-3	17-1	15-2	232-9	16-3	15-4	11-7	306-6	343-1	13-3	60-9	3-0	76
4-4	26-0	1-21-6	900-0	15-4	14-1	229-6	15-7	15-7	13-4	307-6	342-8	12-0	91-6	4-1	68
5-7	27-7	214-1	875-0	13-7	11-5	233-7	16-9	16-9	13-9	309-1	332-3	11-1	66-5	5-2	64
6-5	31-2	245-5	850-0	12-2	10-0	232-1	17-9	17-9	13-9	309-8	334-0	10-4	60-5	6-3	62
7-6	33-9	273-4	825-0	11-0	5-5	230-3	18-3	18-3	13-5	311-6	334-2	7-9	60-9	7-3	60
9-3	36-5	334-7	800-0	9-9	2-6	229-5	19-9	19-9	13-5	313-5	333-1	6-7	61-4	8-5	59
9-2	37-7	346-6	775-0	7-7	3-2	231-1	21-5	16-7	13-5	314-3	335-1	7-2	72-8	9-7	58
10-2	42-7	365-4	650-0	5-3	-1-1	232-8	19-1	16-8	12-1	315-0	331-1	5-5	63-5	10-9	57
11-3	44-9	376-7	625-0	3-4	-2-9	231-3	19-6	15-3	12-3	316-4	331-3	5-0	63-1	12-1	57
12-5	47-7	436-4	600-0	1-0	-5-0	235-4	21-0	17-3	11-9	317-3	332-7	4-4	64-2	13-6	56
13-7	52-6	468-1	575-0	-1-1	-3-8	239-2	20-6	17-7	10-5	318-7	333-9	3-0	61-7	15-2	56
15-7	53-6	502-2	550-0	-2-9	-7-1	242-6	19-1	19-1	9-9	320-7	333-3	4-1	72-8	16-6	57
15-1	56-5	536-9	525-0	-5-0	-12-4	244-1	22-2	20-0	9-7	322-4	331-4	2-8	56-7	18-2	57
17-3	59-7	575-2	500-0	-9-3	-17-6	245-7	22-9	20-9	9-4	323-3	329-2	1-9	47-0	19-8	58
19-3	62-1	618-1	475-0	-11-4	-24-6	246-8	22-6	20-8	8-9	323-8	327-5	1-1	32-6	21-2	58
19-5	65-4	655-3	450-0	-15-1	-27-6	244-1	23-4	21-0	10-2	324-3	327-3	0-9	31-4	22-7	59
20-6	69-3	697-6	425-0	-18-4	-33-5	242-7	24-1	21-0	11-8	325-4	330-0	1-4	64-1	24-4	59
21-4	73-3	743-2	400-0	-20-7	-33-2	242-0	23-3	20-6	11-0	326-2	330-2	0-6	31-2	26-1	59
23-3	77-9	781-4	375-0	-24-1	-35-0	243-1	26-8	23-9	12-1	327-7	331-5	0-5	35-7	28-2	60
24-9	83-9	813-0	350-0	-28-2	-37-9	242-7	27-4	24-6	12-6	328-8	332-1	0-4	36-2	30-8	60
27-5	84-7	941-9	325-0	-32-0	-44-6	244-4	26-5	23-9	11-4	332-6	333-4	0-2	27-2	35-1	60
31-6	88-4	952-6	300-0	-35-9	-47-9	252-1	27-1	25-8	8-3	334-8	335-4	0-2	27-5	41-3	61
34-9	93-2	1033-2	275-0	-42-1	-59-9	252-4	28-0	26-7	6-5	336-2	999-9	99-9	999-9	47-0	63
37-5	97-4	1173-9	250-0	-46-6	-66-6	251-5	28-0	26-7	6-5	336-5	999-9	99-9	999-9	51-2	64
42-3	102-3	1182-3	225-0	-53-2	-74-9	251-2	27-0	25-6	6-7	337-1	999-9	99-9	999-9	55-4	64
42-2	108-0	1217-1	200-0	-63-8	-84-9	250-8	32-3	30-7	10-6	336-6	999-9	99-9	999-9	59-2	65
44-5	113-0	1292-1	175-0	-67-2	-99-9	255-2	31-8	30-7	8-1	339-0	999-9	99-9	999-9	63-8	65
47-9	120-3	13735-0	150-0	-61-7	-99-9	499-9	99-9	99-9	99-9	363-9	999-9	99-9	999-9	69-7	67
51-3	127-3	1509-0	125-0	-65-1	-99-9	989-9	99-9	99-9	99-9	377-2	999-9	99-9	999-9	99-9	999
99-9	99-9	99-9	100-0	-69-9	-99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999
99-9	99-9	99-9	75-0	-99-9	-99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999
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	99-9	999
99-9	99-9	99-9	25-0	-99-9	-99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999

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

STATION NO. 25  
 CMIIDNESS, TEXAS  
 19 MAY 1979  
 805 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	WX RTO GM/KG	RM PLY	RANGE KM	AZ DG
00.0	12.2	596.0	937.0	11.0	8.6	380.0	7.2	2.5	-6.8	290.1	309.8	7.5	82.0	0.0	0.
01.0	09.9	96.9	1005.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
02.0	09.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
03.0	09.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
04.0	11.6	703.9	925.0	10.6	8.4	10.7	14.6	-2.7	-14.3	290.2	309.8	7.5	85.0	0.1	102.
05.0	11.0	332.7	920.0	11.4	10.6	9.8	13.3	-2.3	-13.1	293.6	317.2	9.0	92.4	0.7	192.
06.0	14.5	1170.4	975.0	14.2	11.0	353.9	11.3	1.2	-11.2	298.5	324.0	9.5	81.7	1.3	189.
07.0	22.9	1815.1	853.0	15.6	8.8	599.9	99.9	99.9	99.9	302.3	322.8	7.4	56.1	1.8	182.
08.0	23.5	1673.5	824.0	13.6	7.1	599.9	99.9	99.9	99.9	305.1	326.7	7.7	55.7	999.9	999.
09.0	26.0	1930.7	832.0	13.2	5.6	999.9	99.9	99.9	99.9	305.9	326.1	7.2	57.4	999.9	999.
10.0	24.6	2193.3	775.0	13.3	5.1	999.9	99.9	99.9	99.9	308.2	328.5	7.2	57.4	999.9	999.
11.0	09.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
12.0	09.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
13.0	09.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
14.0	09.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
15.0	09.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
16.0	09.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
17.0	09.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
18.0	09.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
19.0	09.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
20.0	09.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
21.0	09.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
22.0	09.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
23.0	09.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
24.0	09.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
25.0	09.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
26.0	09.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
27.0	09.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
28.0	09.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
29.0	09.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
30.0	09.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
31.0	09.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
32.0	09.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
33.0	09.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
34.0	09.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
35.0	09.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
36.0	09.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
37.0	09.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
38.0	09.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
39.0	09.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
40.0	09.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERRUPTED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 26  
CLINTON SHERMAN, OLLAMONA

9 MAY 1979  
1122 GMT

123 100. 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U CUMP M/SEC	V CUMP M/SEC	POF T DG K	E POT V DG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	12.4	586.3	938.5	20.9	19.2	170.0	6.2	-1.1	6.1	298.8	339.9	15.2	90.0	0.0	0.
0.9	9.9	543.3	1033.0	23.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
6.9	9.9	94.9	975.0	90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
9.9	9.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
13.9	13.9	672.7	925.0	19.6	18.3	181.3	17.3	0.4	17.3	254.4	337.8	14.5	92.2	0.5	358.
17.9	17.9	704.3	920.0	18.9	17.9	186.6	20.6	2.6	20.5	301.6	339.5	14.5	93.8	1.0	0.
21.9	21.9	1151.4	875.0	16.7	16.0	196.8	24.2	7.0	23.2	301.2	336.6	13.3	95.6	2.0	0.
25.9	25.9	1397.1	850.0	15.9	15.2	205.5	24.5	10.5	22.1	302.8	337.9	12.9	95.7	3.2	12.
29.9	29.9	1653.2	825.0	14.7	14.1	208.5	25.9	12.4	22.7	305.7	338.2	11.9	96.2	5.6	19.
33.9	33.9	1916.1	800.0	13.6	13.0	203.2	25.4	10.0	23.3	305.7	338.2	11.9	96.2	5.6	19.
37.9	37.9	2181.3	775.0	13.0	-33.2	198.0	25.0	7.7	23.8	313.1	314.2	0.3	1.0	7.1	19.
41.9	41.9	2462.2	750.0	12.6	-39.3	196.6	25.2	7.2	24.1	315.9	316.5	0.2	1.0	8.7	19.
45.9	45.9	2753.2	725.0	12.6	-40.4	196.3	25.0	7.0	24.0	316.6	317.1	0.2	1.0	10.2	18.
49.9	49.9	3044.4	700.0	12.2	-42.4	199.7	24.1	8.1	22.7	316.0	316.5	0.1	1.0	11.7	18.
53.9	53.9	3335.6	675.0	10.6	-43.4	201.8	22.6	8.4	21.0	317.6	316.0	0.1	1.0	13.2	18.
57.9	57.9	3626.8	650.0	7.7	-45.2	203.0	20.6	8.1	19.0	317.7	318.1	0.1	1.0	14.5	19.
61.9	61.9	3918.0	625.0	4.9	-46.9	202.2	23.8	9.0	22.0	319.0	318.3	0.1	1.0	15.9	19.
65.9	65.9	4209.2	600.0	2.0	-48.7	203.5	21.3	8.5	19.5	318.5	318.8	0.1	1.0	17.2	19.
69.9	69.9	4500.4	575.0	-1.2	-50.7	202.9	19.3	7.5	17.8	318.6	318.8	0.1	1.0	18.6	20.
73.9	73.9	4791.6	550.0	-4.5	-52.7	197.9	21.0	6.5	20.0	318.6	319.0	0.0	1.0	20.1	20.
77.9	77.9	5082.8	525.0	-7.0	-54.8	196.7	19.9	5.7	19.1	320.0	320.8	0.2	5.2	21.7	20.
81.9	81.9	5374.0	500.0	-9.8	-56.8	195.5	16.8	6.3	17.7	321.1	323.6	0.7	20.2	23.1	19.
85.9	85.9	5665.2	475.0	-13.1	-58.8	194.8	19.5	6.3	16.5	321.7	323.7	0.6	18.9	24.6	19.
89.9	89.9	5956.4	450.0	-16.8	-60.8	194.7	21.0	6.6	19.9	322.2	325.0	0.8	36.6	26.4	19.
93.9	93.9	6247.6	425.0	-19.7	-62.8	194.7	20.9	7.0	19.7	323.8	326.1	0.1	4.9	28.2	19.
97.9	97.9	6538.8	400.0	-22.8	-64.8	209.3	22.2	10.9	19.4	325.3	325.4	0.0	1.0	30.2	21.
101.9	101.9	6830.0	375.0	-26.2	-66.8	221.2	23.6	15.5	17.7	326.9	327.0	0.0	1.0	32.6	21.
105.9	105.9	7121.2	350.0	-29.8	-68.8	220.8	25.1	16.4	17.0	328.6	328.7	0.0	1.0	35.2	23.
109.9	109.9	7412.4	325.0	-33.3	-71.4	210.0	25.3	12.6	21.9	330.7	330.0	0.0	1.0	38.3	24.
113.9	113.9	7703.6	300.0	-36.8	-74.6	208.0	27.3	12.8	24.1	331.6	331.6	0.0	99.9	41.8	24.
117.9	117.9	7994.8	275.0	-40.2	-77.6	208.0	28.1	15.2	23.7	332.6	332.6	0.0	99.9	45.3	24.
121.9	121.9	8286.0	250.0	-43.8	-80.8	216.1	27.5	16.2	22.2	333.1	333.1	0.0	99.9	48.2	25.
125.9	125.9	8577.2	225.0	-47.4	-84.0	216.1	30.6	20.5	22.6	333.8	333.8	0.0	99.9	53.4	26.
129.9	129.9	8868.4	200.0	-51.0	-87.2	221.2	31.3	20.6	23.0	334.5	334.5	0.0	99.9	58.8	26.
133.9	133.9	9159.6	175.0	-54.6	-90.4	220.0	34.0	21.9	26.1	364.9	364.9	0.0	99.9	63.9	28.
137.9	137.9	9450.8	150.0	-58.2	-93.6	228.9	33.7	24.6	23.0	364.9	364.9	0.0	99.9	70.5	31.
141.9	141.9	9742.0	125.0	-61.8	-96.8	228.1	33.2	22.7	24.3	385.7	385.7	0.0	99.9	79.2	32.
145.9	145.9	10033.2	100.0	-65.4	-100.0	99.9	99.9	99.9	99.9	402.0	402.0	0.0	99.9	99.9	999.9
149.9	149.9	10324.4	75.0	-69.0	-103.2	99.9	99.9	99.9	99.9	402.0	402.0	0.0	99.9	99.9	999.9
153.9	153.9	10615.6	50.0	-72.6	-106.4	99.9	99.9	99.9	99.9	402.0	402.0	0.0	99.9	99.9	999.9
157.9	157.9	10906.8	25.0	-76.2	-109.6	99.9	99.9	99.9	99.9	402.0	402.0	0.0	99.9	99.9	999.9
161.9	161.9	11198.0	0.0	-79.8	-112.8	99.9	99.9	99.9	99.9	402.0	402.0	0.0	99.9	99.9	999.9

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

STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA  
9 MAY 1979  
1407 GMT

TIME MIN	CNET	HEIGHT GPM	PHES 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 CM/KG	RH PCT	RANGE KM	AZ DG
0-0	12-0	500-0	935-5	20-3	16-5	180-0	8-2	0-0	8-2	299-1	333-0	12-0	79-0	0-0	0
00-9	50-9	900-0	1003-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	999-9	999-9
01-9	50-9	900-0	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	999-9	999-9
02-9	50-9	900-0	950-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	999-9	999-9
03-9	50-9	900-0	925-0	20-3	17-5	175-5	18-8	-3-1	18-6	300-1	336-7	13-8	61-0	0-6	355
04-9	50-9	900-0	900-0	19-4	17-2	175-7	18-8	-1-4	18-7	300-5	337-5	13-9	92-7	1-2	353
05-9	50-9	900-0	875-0	16-8	15-9	193-6	18-4	4-3	17-9	301-3	336-5	13-2	98-3	2-0	357
06-9	50-9	900-0	850-0	17-4	16-5	210-3	18-3	9-3	15-8	304-4	342-5	14-1	98-3	2-9	6
07-9	50-9	900-0	825-0	16-4	18-9	220-6	17-7	11-5	13-5	305-9	341-4	13-0	90-7	3-7	13
08-9	50-9	900-0	800-0	16-9	18-3	230-3	16-5	12-7	10-5	327-1	340-5	12-2	90-2	4-6	20
09-9	50-9	900-0	775-0	12-8	13-9	238-6	15-0	12-3	9-7	337-5	336-9	10-6	87-8	5-2	24
10-9	50-9	900-0	750-0	13-6	1-4	229-9	12-9	8-4	9-7	311-4	324-1	5-6	48-2	5-8	28
11-9	50-9	900-0	725-0	15-5	-19-7	207-9	16-0	7-5	14-1	316-5	320-2	1-1	7-4	6-6	28
12-9	50-9	900-0	700-0	13-8	-23-1	208-6	20-1	9-9	17-4	317-8	320-6	0-8	6-0	7-6	28
13-9	50-9	900-0	675-0	11-6	-26-8	206-1	21-2	9-3	19-0	318-6	320-8	0-6	5-0	8-9	28
14-9	50-9	900-0	650-0	9-6	-26-2	198-6	21-2	7-1	20-0	318-7	321-0	0-7	6-4	10-3	27
15-9	50-9	900-0	625-0	5-5	-27-7	198-6	19-7	5-0	19-3	319-8	320-9	0-6	6-9	11-8	26
16-9	50-9	900-0	600-0	2-4	-22-9	198-0	19-3	4-7	18-7	319-0	322-3	1-0	13-3	13-3	24
17-9	50-9	900-0	575-0	-0-5	-25-2	192-3	18-6	4-0	18-2	319-4	324-1	0-9	13-4	14-6	23
18-9	50-9	900-0	550-0	-3-8	-26-7	186-4	19-5	3-5	19-2	319-6	327-5	0-9	16-2	16-2	22
19-9	50-9	900-0	525-0	-5-7	-38-9	182-3	20-3	4-3	19-6	321-5	327-8	0-4	7-8	17-6	21
20-9	50-9	900-0	500-0	-9-6	-38-5	190-9	20-7	6-0	19-8	322-6	323-6	0-3	7-6	19-4	21
21-9	50-9	900-0	475-0	-12-2	-31-6	199-7	19-6	6-6	18-4	322-9	328-9	0-6	17-9	21-0	21
22-9	50-9	900-0	450-0	-16-0	-27-9	202-9	20-7	8-1	19-1	323-1	326-0	0-8	32-0	22-9	21
23-9	50-9	900-0	425-0	-19-3	-36-3	205-9	20-4	8-9	18-4	324-3	325-7	0-4	20-3	25-1	21
24-9	50-9	900-0	400-0	-21-5	-42-1	218-4	20-7	11-7	17-1	327-0	327-8	0-2	13-5	27-5	22
25-9	50-9	900-0	375-0	-24-8	-45-2	215-8	22-1	13-0	18-0	328-9	329-5	0-2	12-9	30-0	23
26-9	50-9	900-0	350-0	-29-2	-47-4	207-3	22-9	10-5	20-3	329-5	330-1	0-2	10-2	32-4	24
27-9	50-9	900-0	325-0	-34-0	-47-4	208-4	23-2	11-0	20-4	329-9	330-5	0-2	24-1	34-9	24
28-9	50-9	900-0	300-0	-38-0	-52-2	217-8	23-7	14-5	18-6	331-2	331-6	0-1	21-5	37-7	25
29-9	50-9	900-0	275-0	-43-7	-59-9	222-4	25-0	16-7	16-6	332-0	999-9	99-9	99-9	40-7	26
30-9	50-9	900-0	250-0	-49-1	-62-1	224-4	27-0	18-2	19-9	333-1	999-9	99-9	99-9	44-0	27
31-9	50-9	900-0	225-0	-54-8	-69-9	222-3	28-0	18-9	20-7	334-6	999-9	99-9	99-9	47-8	28
32-9	50-9	900-0	200-0	-59-4	-68-9	221-6	29-2	19-4	21-8	338-7	999-9	99-9	99-9	52-1	30
33-9	50-9	900-0	175-0	-63-0	-68-9	221-4	33-8	22-3	25-3	345-9	999-9	99-9	99-9	57-1	30
34-9	50-9	900-0	150-0	-67-4	-68-9	221-4	33-8	22-3	25-3	345-9	999-9	99-9	99-9	62-0	32
35-9	50-9	900-0	125-0	-69-1	-68-9	219-3	25-9	16-4	20-1	346-2	999-9	99-9	99-9	69-2	32
36-9	50-9	900-0	100-0	-63-3	-68-9	99-9	99-9	99-9	99-9	405-5	999-9	99-9	99-9	99-9	999-9
37-9	50-9	900-0	75-0	-68-9	-68-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
38-9	50-9	900-0	50-0	-68-9	-68-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9
39-9	50-9	900-0	25-0	-68-9	-68-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	999-9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 13 DEG  
0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA

9 MAY 1979  
1705 GMT

126 97. 0

TIME MUT	CMTCY	WEIGHT GMM	PRES MB	TEMP UG 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	RM PCT	RANGE KM	AZ DG
0.0	12.0	580.0	935.8	23.6	17.6	165.0	7.7	-2.0	7.4	302.2	337.0	13.7	70.0	0.0	0.
9.9	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	999.9
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	999.9
99.9	99.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	13.5	485.8	925.0	21.8	17.9	168.9	13.5	-2.6	13.2	301.6	339.4	14.2	78.8	0.4	352.
1.5	15.9	923.4	900.0	20.1	18.2	176.9	12.0	-0.6	12.0	302.2	341.7	14.6	80.9	1.1	351.
2.2	18.3	1186.3	875.0	17.5	16.6	190.8	12.9	2.4	12.6	302.0	338.7	13.7	94.3	1.6	359.
2.9	20.8	1414.5	850.0	16.5	15.0	202.2	13.1	4.9	12.1	303.4	339.3	13.3	94.6	2.2	1.
3.4	23.3	1688.5	825.0	14.4	13.5	217.8	11.9	7.3	9.4	303.8	336.3	11.9	94.5	2.6	7.
4.7	25.9	1923.9	800.0	13.3	12.2	229.1	10.4	7.8	6.8	305.3	336.1	11.2	92.9	3.3	16.
6.2	28.4	2194.3	775.0	11.5	5.4	212.4	8.9	4.8	7.6	306.2	329.2	7.9	71.4	3.9	20.
7.1	31.0	2471.3	750.0	14.1	-16.3	198.4	11.0	1.6	10.9	311.8	316.4	1.4	10.7	4.5	19.
8.2	33.6	2757.3	725.0	14.2	-22.8	209.8	16.3	5.8	15.3	315.1	317.8	0.8	6.0	5.3	18.
9.3	36.2	3052.2	700.0	13.2	-36.6	207.7	21.4	10.0	19.0	317.1	318.0	0.2	1.7	6.6	20.
10.4	39.7	3350.5	675.0	11.4	-42.9	205.3	23.3	10.0	21.0	318.6	318.9	0.1	1.0	8.1	21.
11.6	41.9	3659.7	650.0	9.5	-48.5	201.2	25.5	9.2	23.7	318.6	319.7	0.3	2.9	9.9	21.
12.7	44.4	3981.8	625.0	5.7	-31.2	199.4	23.2	7.8	21.9	319.0	320.5	0.4	4.9	11.5	21.
14.0	47.4	4323.4	600.0	2.5	-29.5	198.7	22.9	7.3	21.7	319.0	320.9	0.5	7.2	13.3	21.
15.3	50.3	4665.0	575.0	-1.0	-27.2	196.5	23.5	6.7	22.5	318.9	320.9	0.6	9.5	15.1	21.
16.6	53.3	5017.5	550.0	-3.6	-35.7	196.3	24.4	6.9	23.4	319.6	320.9	0.3	6.2	16.9	20.
17.9	56.4	5382.5	525.0	-7.1	-38.3	197.6	24.8	7.5	23.7	319.8	320.8	0.3	6.8	19.1	20.
19.3	59.5	5763.9	500.0	-9.7	-39.0	198.3	24.1	7.6	22.9	321.2	322.1	0.2	6.8	21.0	20.
20.4	62.4	6158.4	475.0	-12.6	-35.7	201.2	21.3	7.7	19.8	322.4	323.8	0.4	12.1	23.0	20.
22.1	66.0	6568.1	450.0	-16.3	-35.9	204.2	20.0	8.2	18.2	322.7	325.1	0.4	15.3	24.6	20.
23.7	69.4	6991.6	425.0	-19.5	-39.0	203.3	21.4	8.5	19.7	324.0	325.1	0.3	13.8	26.5	20.
25.4	73.0	7433.7	400.0	-23.1	-40.5	206.6	25.0	11.2	22.4	325.0	326.0	0.3	18.4	28.9	20.
27.5	76.7	7907.2	375.0	-25.9	-47.9	208.6	25.6	12.2	22.5	327.3	327.8	0.1	18.5	32.2	21.
30.3	80.4	8408.9	350.0	-32.0	-47.7	208.0	26.1	12.3	23.1	328.4	328.9	0.1	15.7	36.0	22.
32.7	84.3	8929.4	325.0	-33.3	-50.9	212.3	26.1	14.0	22.1	330.8	331.2	0.1	15.1	40.2	23.
35.3	88.5	9480.6	300.0	-37.8	-54.4	216.7	28.9	17.3	23.2	332.1	332.4	0.1	15.5	44.1	24.
37.8	92.8	10079.3	275.0	-43.2	-59.9	219.4	29.4	18.7	22.7	332.7	332.9	0.9	999.9	48.6	25.
41.2	104.2	11597.6	250.0	-49.4	-64.4	220.8	25.5	16.6	19.3	334.2	334.2	999.9	999.9	52.6	26.
44.3	107.6	12181.0	200.0	-54.7	-69.9	220.6	27.6	18.0	21.0	334.7	334.7	999.9	999.9	56.9	27.
46.7	113.0	12970.4	175.0	-59.7	-62.2	229.3	34.8	24.4	22.7	337.3	337.3	999.9	999.9	62.3	29.
51.6	119.3	13733.1	140.0	-59.7	-69.9	216.5	28.6	17.0	23.0	347.3	347.3	999.9	999.9	68.4	31.
54.6	126.3	15373.6	125.0	-60.6	-69.9	216.6	27.8	18.6	22.3	385.3	385.3	999.9	999.9	75.4	32.
64.0	134.0	18481.9	100.0	-61.1	-69.9	999.9	99.9	99.9	99.9	409.7	409.7	999.9	999.9	999.9	999.9
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	999.9
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	999.9
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	999.9

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

STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA  
9 MAY 1970  
2005 GMT

125 99. 8

TIME MIN	CNTCY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUF T DG K	E POT V DG K	WX ATO GN/KG	RM PCT	RANGE KM	AZ DG
0.0	13.0	586.0	935.0	27.2	19.5	170.0	7.7	-1.3	7.6	306.2	348.3	13.5	83.0	0.0	0.
9.9	97.9	94.9	1000.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	975.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	14.0	673.0	925.0	24.3	17.6	158.6	12.7	-4.6	11.9	304.2	341.6	13.9	66.1	0.5	34.0
1.0	16.4	919.2	900.0	22.7	17.3	157.3	12.0	-6.6	11.1	304.9	342.6	14.0	71.5	0.8	34.1
1.8	16.4	1164.1	875.0	20.0	16.5	156.1	12.4	-6.6	11.5	304.5	341.6	13.7	80.6	1.4	33.0
2.5	21.4	1414.4	850.0	18.4	16.6	167.0	11.8	-2.7	11.5	305.5	343.8	14.1	88.9	1.9	34.0
3.4	24.0	1673.2	825.0	16.3	13.8	176.5	11.1	-0.7	11.1	305.6	339.1	12.2	85.2	2.5	34.3
4.2	26.6	1932.0	800.0	14.1	12.6	188.2	11.1	1.6	11.0	306.2	338.4	11.8	92.2	3.0	34.6
5.0	27.2	2195.7	775.0	11.7	9.6	199.2	11.4	3.1	10.8	306.4	333.5	9.8	87.1	3.5	35.0
6.0	31.9	2474.1	750.0	11.5	9.4	190.2	12.2	2.2	12.0	309.1	329.1	7.0	61.5	4.1	35.8
6.9	34.6	2756.7	725.0	13.5	-8.6	192.3	18.1	3.9	17.7	314.3	322.8	2.8	20.7	6.9	35.7
6.1	37.3	3054.0	700.0	13.6	-17.2	199.0	24.2	7.9	22.9	317.6	322.2	1.4	10.2	6.4	2.0
9.2	39.9	3358.6	675.0	11.5	-19.0	198.5	24.9	7.9	23.6	318.6	322.4	1.2	9.2	7.9	5.0
10.2	42.8	3671.9	650.0	8.4	-21.3	197.8	26.1	6.0	24.8	318.5	322.0	1.1	10.1	9.4	7.0
11.1	45.6	3994.0	625.0	5.3	-22.8	199.5	24.4	8.1	23.0	319.1	322.1	0.9	11.7	10.9	9.0
12.2	44.5	4325.5	600.0	2.6	-24.2	205.0	24.3	10.3	22.0	319.5	322.0	0.7	11.5	14.1	11.0
13.3	51.5	4657.4	575.0	-0.4	-27.9	203.7	24.3	9.8	22.3	320.1	322.5	0.7	12.9	15.7	13.0
14.5	54.6	5020.6	550.0	-3.4	-30.4	198.7	25.1	8.0	23.8	320.3	322.3	0.6	13.2	17.2	14.0
15.5	57.8	5386.2	525.0	-6.7	-30.4	196.5	23.1	6.6	22.4	320.4	322.0	0.5	13.4	18.9	14.0
16.6	60.9	5764.4	500.0	-10.4	-33.1	196.5	23.1	6.6	22.4	320.4	322.0	0.4	12.5	20.4	14.0
17.9	64.1	6137.5	475.0	-12.1	-35.2	196.8	25.7	7.4	23.4	324.0	324.2	0.3	12.4	22.5	15.0
19.1	67.6	6508.4	450.0	-15.3	-37.9	204.6	25.7	10.7	23.6	324.0	324.2	0.2	12.4	24.4	16.0
20.4	71.0	6997.4	425.0	-18.2	-42.8	209.8	26.5	13.1	23.0	325.7	326.4	0.2	9.4	26.4	16.0
21.7	74.6	7497.9	400.0	-21.4	-43.1	210.9	28.1	16.4	24.1	327.2	327.2	0.2	11.9	28.6	17.0
23.1	74.3	7920.0	375.0	-25.2	-44.5	214.6	27.9	15.9	22.9	328.3	329.0	0.2	16.4	28.8	18.0
24.7	82.2	8416.8	350.0	-24.6	-46.3	217.2	29.8	18.0	23.7	328.9	329.5	0.2	17.8	31.4	20.0
26.5	80.2	8937.4	325.0	-31.6	-49.5	216.4	28.5	16.9	22.9	330.3	330.4	0.1	18.2	34.4	21.0
29.3	90.3	9497.0	300.0	-38.5	-53.7	218.5	28.2	17.6	22.1	331.2	331.5	0.1	18.0	37.5	22.0
30.3	91.6	10054.6	275.0	-42.9	-59.9	221.0	29.1	19.1	21.9	333.0	333.0	99.9	99.9	40.7	24.0
32.5	99.4	10725.7	250.0	-48.0	-64.9	225.0	30.3	21.4	21.5	334.8	334.8	99.9	99.9	44.3	26.0
34.6	104.6	11410.7	225.0	-54.3	-71.9	230.8	31.3	24.2	19.7	335.3	335.3	99.9	99.9	48.1	27.0
36.7	104.6	12156.6	200.0	-59.2	-79.9	239.3	28.9	24.9	14.7	339.1	339.1	99.9	99.9	51.6	29.0
39.2	115.5	12481.6	175.0	-65.4	-84.4	234.5	29.7	24.2	17.3	342.0	342.0	99.9	99.9	55.2	32.0
41.9	121.8	13050.6	150.0	-60.0	-89.3	217.7	33.5	20.4	26.5	366.7	366.7	99.9	99.9	59.9	34.0
45.4	136.9	15374.7	125.0	-61.2	-94.9	999.9	99.9	99.9	99.9	384.2	384.2	99.9	99.9	64.9	35.0
49.5	166.7	16465.6	100.0	-61.6	-99.9	999.9	99.9	99.9	99.9	408.7	408.7	99.9	99.9	69.9	36.0
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA

9 MAY 1979  
2310 GMT

120 93.0

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	HR RTO CM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.7	984.0	932.8	26.6	17.9	150.0	7.7	-2.6	7.2	305.9	344.1	14.0	59.0	0.0	0
04.9	92.9	99.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.8	99.9	99.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
04.2	13.5	650.4	950.0	99.9	99.9	150.0	18.0	-9.2	16.4	308.5	344.7	16.0	69.9	0.5	333
0.3	15.9	890.7	900.0	22.4	18.5	153.2	28.2	-9.1	18.0	304.6	345.4	15.1	78.6	0.9	332
1.6	18.1	1135.8	975.7	19.9	18.3	160.4	21.2	-7.1	19.9	308.4	345.9	15.4	90.9	1.9	334
2.5	20.9	1396.0	850.0	18.1	17.1	168.9	20.5	-3.9	20.2	305.1	346.7	16.6	93.7	3.0	338
3.6	23.3	1642.2	825.0	17.1	14.6	178.0	19.3	-0.7	19.3	306.6	341.6	12.8	85.2	6.1	342
4.4	25.9	1705.1	800.0	16.0	13.9	191.2	18.6	3.6	18.4	308.2	343.0	12.6	87.5	5.1	347
5.0	24.3	2175.1	775.0	15.2	7.2	201.2	21.2	7.7	19.8	310.1	333.0	8.3	59.4	6.1	352
6.3	31.0	2453.4	750.0	16.6	-18.4	208.6	23.9	8.5	22.3	316.4	318.4	1.2	7.6	7.2	357
7.1	33.6	2742.0	725.0	16.4	-19.4	197.9	25.5	7.8	25.2	317.4	321.1	1.1	7.0	8.3	0
8.3	36.3	3339.4	707.0	13.8	-20.9	199.8	25.8	8.7	25.3	317.7	321.1	1.0	7.3	9.7	3
9.2	39.0	3342.9	675.0	11.1	-21.7	201.3	26.0	9.4	25.2	318.1	321.4	1.0	8.1	11.1	9
10.1	41.9	3456.0	650.0	8.5	-20.6	204.3	27.3	9.5	25.6	318.5	322.3	1.1	10.6	12.9	7
11.2	44.7	3778.3	625.0	5.9	-25.5	201.3	28.6	10.4	26.6	319.2	321.8	0.8	8.3	14.6	9
12.3	47.5	4310.2	600.0	2.9	-27.6	202.9	27.4	10.7	25.3	319.5	321.7	0.7	8.4	16.5	10
13.4	50.5	4852.6	575.0	0.1	-29.4	204.7	27.5	11.5	25.0	320.1	322.1	0.6	8.7	18.3	12
14.6	53.5	5306.6	550.0	-3.0	-31.4	206.9	28.3	11.3	25.4	320.6	322.3	0.5	9.0	20.1	13
15.7	56.6	5373.1	525.0	-5.8	-33.2	203.7	29.8	12.0	27.3	321.5	323.1	0.4	9.2	22.0	14
16.9	59.7	5753.0	500.0	-8.9	-35.0	206.4	31.0	13.6	27.8	322.2	323.6	0.4	9.9	23.9	15
14.2	63.0	6147.7	475.0	-12.0	-27.5	211.9	28.4	15.0	28.0	323.1	326.0	0.8	26.2	26.0	16
19.3	66.3	6533.3	450.0	-14.9	-30.2	213.1	26.4	15.5	23.8	324.5	326.9	0.7	25.8	28.1	17
20.6	69.6	6918.5	425.0	-19.0	-29.5	216.2	28.3	16.7	22.8	326.6	327.3	0.8	38.7	30.4	19
22.3	73.1	7336.9	400.0	-22.2	-33.6	221.6	28.3	18.0	21.2	326.2	328.1	0.6	34.4	32.9	20
24.2	76.7	7714.9	375.0	-24.7	-40.3	224.1	30.4	21.2	21.8	326.9	330.9	0.3	21.9	34.9	22
24.1	40.7	4507.3	350.0	-28.6	-45.6	224.1	32.8	22.6	23.6	330.2	330.9	0.2	17.5	39.3	24
27.4	84.5	9313.7	325.0	-32.4	-48.9	224.2	30.9	21.5	22.2	331.7	332.2	0.1	17.8	42.7	26
30.1	88.7	9402.2	300.0	-37.2	-51.6	220.4	33.9	22.0	25.7	333.0	333.4	0.1	20.4	48.7	27
32.7	93.0	13397.2	275.0	-42.0	99.9	225.1	28.8	20.4	20.3	334.4	999.9	99.9	999.9	51.6	29
35.5	97.6	10726.2	250.0	-46.5	99.9	226.0	29.2	21.0	20.3	337.0	999.9	99.9	999.9	50.8	30
39.1	102.6	11816.8	225.0	-52.5	99.9	230.4	29.2	22.5	18.6	336.1	999.9	99.9	999.9	65.4	31
41.2	107.6	12168.5	200.0	-57.7	99.9	245.1	29.1	26.4	12.3	341.3	999.9	99.9	999.9	65.4	33
43.3	113.8	13026.8	175.0	-61.3	99.9	266.3	29.5	29.4	1.9	348.8	999.9	99.9	999.9	68.2	36
45.9	120.6	15056.9	150.0	-63.5	99.9	237.5	28.9	22.8	14.3	348.8	999.9	99.9	999.9	71.3	38
50.4	127.0	15375.0	125.0	-63.1	99.9	228.6	30.6	21.5	21.8	360.8	999.9	99.9	999.9	79.3	39
54.5	134.7	16440.0	100.0	-64.2	99.9	99.9	99.9	99.9	99.9	403.7	999.9	99.9	999.9	999.9	999.9
58.9	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	999.9
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	999.9
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	999.9

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

STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA  
18 MAY 1979  
212 GMT

TIME MIN	CHYCY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT V DG K	WX HTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.8	584.0	932.9	23.2	20.0	100.0	7.7	-2.6	7.2	302.3	304.9	16.0	82.8	0.0	0
09.8	99.9	1000.8	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.3	1.0	650.6	925.0	22.5	20.1	105.9	14.2	-7.4	10.9	302.4	305.0	16.2	85.9	0.7	335
1.0	16.0	897.1	900.0	21.0	19.6	181.2	17.7	-8.5	15.5	303.2	306.4	16.2	91.6	1.1	332
1.3	18.4	1181.0	875.0	18.6	17.7	159.3	23.9	-8.4	22.6	302.8	302.4	14.7	95.0	2.2	336
2.5	20.9	1394.2	853.0	17.8	17.1	167.6	25.6	-8.4	24.8	304.8	304.2	14.6	95.5	3.6	337
3.5	21.4	1646.2	825.0	16.9	15.5	178.1	23.1	-8.0	23.1	306.5	303.6	13.6	91.4	5.0	342
4.7	21.9	1909.2	800.0	16.9	14.9	194.5	20.4	9.1	19.7	309.2	339.7	11.0	72.0	6.1	346
5.5	24.3	2181.0	775.0	17.7	6.1	203.5	19.6	7.8	18.0	312.9	334.9	7.7	48.5	7.0	351
6.4	31.1	2463.9	750.0	15.9	4.8	210.8	20.7	10.6	17.7	313.9	334.9	7.2	47.6	7.8	355
7.3	33.8	2749.8	725.0	15.4	-1.2	213.8	22.3	12.4	18.5	316.4	330.9	4.5	32.0	8.8	358
8.3	36.6	3045.0	708.0	13.5	-11.1	209.2	24.1	11.8	21.0	317.4	324.8	2.4	17.1	9.9	361
9.2	39.2	3349.5	675.0	11.4	-16.7	205.7	25.3	11.1	23.0	318.4	323.4	1.5	12.3	11.3	364
10.5	42.0	3647.7	650.0	8.6	-18.7	204.5	27.3	11.3	24.8	318.7	323.1	1.3	12.6	12.9	367
11.3	44.9	3945.0	625.0	5.6	-20.8	204.1	26.7	11.0	24.0	318.0	323.7	1.2	12.0	14.6	370
12.6	47.7	4181.4	600.0	3.3	-21.4	207.3	27.6	12.7	24.5	319.9	323.7	1.1	10.3	16.5	373
13.8	50.7	4460.0	575.0	0.3	-23.3	206.6	28.0	12.5	25.0	320.6	323.8	1.0	14.9	18.4	376
15.0	53.7	4714.2	553.0	-2.8	-25.9	207.5	27.9	12.9	24.7	320.8	323.6	0.8	14.8	20.4	379
16.3	56.8	5180.9	525.0	-5.8	-28.0	207.5	31.0	15.3	27.5	321.5	323.8	0.7	14.1	22.7	382
17.5	59.9	5700.8	500.0	-9.0	-31.2	209.6	31.0	15.3	27.0	322.1	324.0	0.6	14.5	24.9	385
18.8	63.1	6153.6	475.0	-12.8	-26.8	215.2	30.4	17.5	26.8	323.1	326.2	0.9	28.0	27.2	388
20.0	66.4	6587.2	450.0	-15.0	-25.9	218.0	33.8	20.8	26.6	324.4	327.8	1.0	38.6	29.4	391
21.2	69.9	6997.0	425.0	-17.6	-30.9	221.7	30.3	20.2	22.6	326.6	328.8	0.7	30.0	31.7	394
22.6	73.3	7469.0	400.0	-20.4	-35.2	222.7	29.0	19.7	21.3	328.5	330.2	0.5	28.9	33.9	397
23.9	77.0	7923.7	375.0	-23.6	-39.1	222.0	30.0	20.1	22.3	330.7	331.9	0.3	21.8	36.1	400
25.3	80.8	8424.3	350.0	-27.8	-43.1	221.3	27.7	18.2	20.8	331.3	332.2	0.2	21.3	38.6	403
27.3	84.7	8944.5	325.0	-31.9	-46.4	215.6	30.6	19.5	23.6	332.7	333.4	0.2	22.0	41.7	406
29.4	89.0	9513.2	300.0	-35.8	-49.7	226.5	31.8	22.3	22.7	334.7	335.4	0.1	22.2	45.5	409
32.7	92.3	10112.6	275.0	-40.6	-52.9	228.9	29.7	22.4	19.5	336.5	336.5	0.1	99.9	50.1	412
33.9	96.0	10751.4	250.0	-45.3	-56.9	233.7	28.6	23.1	16.9	338.8	338.8	0.1	99.9	53.2	415
35.7	102.9	11450.8	225.0	-50.5	-60.9	246.4	24.3	22.2	9.7	341.1	339.9	0.1	99.9	55.9	418
37.5	104.2	12207.8	200.0	-56.2	-64.9	259.4	24.2	23.8	4.2	343.7	339.9	0.1	99.9	57.7	421
39.4	114.0	13343.2	175.0	-62.8	-68.9	272.8	27.3	27.3	-0.9	346.1	339.9	0.1	99.9	59.7	424
41.5	129.3	14794.4	150.0	-67.0	-72.9	280.7	26.0	25.7	4.2	354.6	339.9	0.1	99.9	61.4	427
44.6	127.3	15980.6	125.0	-67.7	-76.9	299.9	24.5	24.5	99.9	372.5	339.9	0.1	99.9	65.4	430
49.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
50.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
51.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
52.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
53.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
55.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
56.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
57.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
58.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG  
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STATION NO. 26  
CLINTON SHERMAN, OKLAHOMA

10 MAY 1979  
053 GMT

92 218. 0

TIME MIN	CMCT	HEIGHT GPH	PHES 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	W RTD GM/KG	RH PCT	RANGE KM	AZ DG	
0.0	12.0	999.0	936.1	10.7	9.1	330.0	10.3	5.2	-6.9	289.1	7.0	90.0	0.0	0.	
0.9	99.9	1009.0	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.9	
9.9	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	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	
0.6	13.3	701.1	725.0	6.6	7.6	330.5	15.3	6.3	-13.9	288.1	7.1	93.3	0.5	154.	
1.1	15.6	727.9	900.0	9.8	9.0	331.1	9.3	4.5	-8.1	291.6	8.1	94.6	1.0	157.	
1.7	14.0	1165.6	975.0	15.2	16.6	230.3	3.7	2.9	2.4	299.6	31.7	12.1	96.5	1.1	154.
2.4	20.4	1412.7	950.0	15.5	15.0	183.6	9.8	0.6	9.8	302.4	336.7	12.8	97.0	0.9	146.
3.3	22.9	1606.6	825.0	14.8	14.4	190.5	13.1	2.4	12.9	304.2	338.5	12.6	97.4	0.6	102.
4.3	25.4	1827.3	603.0	13.4	13.0	189.1	15.6	5.1	14.7	305.5	338.1	11.9	97.2	0.9	55.
4.7	27.9	2195.2	775.0	12.5	12.0	208.6	18.6	8.4	16.7	307.3	339.0	11.5	97.1	1.5	41.
5.4	30.4	2470.4	753.0	10.2	9.7	210.3	21.5	10.9	18.5	307.6	335.9	10.2	96.8	2.4	37.
6.3	33.0	2752.6	725.0	6.8	7.9	211.8	24.5	12.9	20.8	309.1	335.3	9.3	96.6	3.6	35.
7.2	35.7	3042.8	703.0	6.7	6.1	211.0	26.9	15.1	22.3	309.9	334.0	8.5	96.2	4.9	34.
8.4	38.3	3341.1	675.0	4.9	-2.7	214.3	31.2	17.6	25.8	311.1	327.0	5.5	99.0	7.1	34.
9.3	41.1	3649.5	650.0	5.7	-20.7	211.4	35.4	18.4	30.2	315.4	318.1	1.1	12.6	8.9	34.
10.6	43.9	3969.2	625.0	3.8	-16.3	207.7	36.9	17.2	37.7	316.8	320.0	1.6	20.4	11.3	33.
11.6	46.7	4299.2	600.0	1.2	-12.5	204.2	37.9	15.5	34.5	317.6	325.1	2.4	34.6	13.9	32.
12.7	49.6	4643.3	575.0	-1.0	-17.3	200.6	33.6	14.0	30.6	318.9	329.4	1.7	27.6	16.4	30.
14.0	52.6	4993.3	550.0	-3.6	-20.0	205.5	29.5	13.6	26.2	319.9	322.4	0.8	14.2	18.7	30.
15.1	55.6	5359.2	525.0	-6.1	-24.6	206.6	32.0	14.4	28.4	321.1	323.2	0.6	13.5	20.8	30.
16.5	58.9	5738.7	500.0	-9.2	-19.1	204.1	35.1	13.8	32.3	321.8	327.3	1.7	44.6	23.4	28.
17.9	62.0	6133.5	475.0	-10.9	-23.7	189.5	34.0	11.4	32.1	324.5	328.5	1.2	33.8	26.5	28.
19.5	65.3	6547.6	450.0	-13.4	-23.6	200.5	32.9	12.5	30.4	326.4	330.7	1.3	42.3	29.6	27.
20.9	66.7	6979.5	425.0	-17.3	-23.1	204.9	30.8	13.0	27.9	326.0	331.6	1.4	60.4	32.3	27.
22.5	72.3	7431.4	400.0	-20.7	-26.1	205.6	29.4	12.7	26.5	328.1	332.0	1.1	61.6	35.1	27.
24.2	75.9	7925.7	375.0	-24.0	-30.3	206.9	29.7	13.4	26.5	329.6	332.7	0.8	55.6	38.2	27.
26.0	79.7	8425.1	350.0	-28.1	-34.2	212.6	26.2	15.2	23.8	330.9	333.0	0.6	55.3	41.3	27.
28.4	83.7	8932.6	325.0	-32.4	-38.1	212.0	31.36	18.6	28.5	332.0	333.4	0.4	50.9	45.3	28.
32.7	87.7	9492.1	300.0	-36.7	-44.8	208.5	27.36	12.2	24.5	333.7	334.5	0.2	42.3	49.7	28.
33.1	92.0	10093.5	275.0	-41.4	-49.9	203.0	26.08	10.9	25.7	335.2	335.9	99.9	99.9	53.5	27.
35.4	96.9	10726.9	250.0	-47.0	-57.9	99.9	99.9	99.9	99.9	335.3	99.9	99.9	99.9	57.5	27.
37.8	101.6	11413.4	225.0	-53.9	-69.9	99.9	99.9	99.9	99.9	335.9	99.9	99.9	99.9	99.9	99.9
94.9	99.9	94.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

ORIGINAL DATA  
OF PERKINS



STATION NO. 27  
ELMORE CITY, OKLAHOMA

9 MAY 1979  
1109 GMT

120 99. 0

VIEW	CHTCF	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RM	RANGE	AZ
MIN		GPM	MB	CG C	HC C	DC	M/SEC	M/SEC	M/SEC	OG K	OG K	GM/KG	PCT	KN	DC
0-2	17.3	320.0	306.7	20.8	18.8	179.8	6.2	-1.1	0.1	276.8	329.9	12.6	78.0	0.0	0.
05.9	96.9	99.0	100.0	99.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
09.9	99.9	99.0	99.0	99.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
05	11.9	671.4	950.0	20.7	18.0	183.4	11.8	-3.3	11.3	298.2	336.7	13.9	84.7	0.3	347.
1-2	14.2	702.7	925.0	18.5	17.4	185.9	12.8	-2.8	12.4	298.3	336.3	13.7	93.1	0.8	347.
1-9	16.5	737.1	900.0	16.5	15.7	189.4	15.3	-2.4	15.1	298.5	331.9	12.6	94.9	1.3	348.
2-6	18.9	1177.1	875.0	15.3	14.5	188.7	17.5	-2.4	17.2	299.6	331.6	12.0	95.2	2.8	347.
3-3	21.3	1623.2	850.0	13.9	13.1	172.9	19.8	-2.5	19.7	300.7	331.0	11.3	95.2	2.8	348.
4-1	21.9	1674.5	875.0	10.7	-32.4	196.1	23.4	2.5	19.7	300.7	331.0	11.3	19.9	3.9	351.
5-0	26.3	1934.8	800.0	17.5	-39.2	193.5	24.4	9.7	23.7	309.8	310.4	8.2	1.0	5.2	358.
5-9	26.9	2205.3	775.0	18.0	-38.4	195.1	23.6	8.7	22.9	314.7	314.7	9.2	1.8	6.6	340.
6-8	31.3	2485.7	750.0	17.8	-38.1	195.1	22.8	5.9	22.0	314.9	316.5	9.2	1.8	7.6	2.
7-7	34.0	2773.2	725.0	15.2	-60.6	194.6	21.1	5.3	20.6	316.2	316.7	9.1	1.0	9.8	4.
8-6	36.6	3168.0	700.0	12.6	-38.9	189.5	19.0	3.3	19.7	316.4	317.1	8.2	1.4	9.8	5.
9-4	37.3	3371.9	675.0	7.9	-39.0	189.9	17.3	3.0	17.4	317.4	317.4	8.2	1.0	10.8	5.
17-3	42.9	3833.9	650.0	7.9	-27.1	189.2	15.4	3.8	14.9	317.9	318.6	8.2	1.9	11.9	5.
11-4	44.8	4205.5	625.0	5.3	-23.0	190.8	13.7	3.8	15.2	318.3	321.6	8.9	12.7	14.0	7.
12-6	47.6	4336.7	600.0	2.0	-31.1	190.3	15.8	2.8	15.3	319.1	320.8	8.5	7.9	15.1	7.
13-8	52.5	4798.2	575.0	-0.8	-34.2	188.9	17.9	2.8	17.6	320.7	320.7	8.6	7.3	16.4	7.
15-3	53.5	5311.0	550.0	-6.0	-37.3	190.5	19.0	2.9	15.6	320.0	321.0	8.3	6.8	17.7	7.
16-3	56.5	5375.7	525.0	-7.1	-55.4	194.5	11.7	3.3	11.2	322.2	322.4	8.0	1.0	18.6	7.
17-4	59.6	5774.6	500.0	-8.9	-57.7	205.3	9.7	6.1	8.9	322.7	323.5	8.0	1.0	19.4	8.
18-7	62.9	6167.1	475.0	-12.3	-57.5	213.8	10.7	5.8	8.9	323.4	323.5	8.0	1.4	20.1	9.
19-9	64.1	6579.3	450.0	-15.8	-59.9	220.7	9.4	6.1	7.1	325.0	325.1	8.0	2.2	21.5	11.
21-3	65.5	7007.3	425.0	-19.2	-60.2	226.0	10.7	7.2	7.9	326.1	326.2	8.0	2.0	22.2	12.
22-5	73.0	7474.6	400.0	-23.1	-61.6	223.9	12.7	8.0	9.2	327.9	328.0	8.0	2.9	23.2	14.
24-1	76.7	7873.6	375.0	-26.8	-63.1	221.8	14.8	9.2	10.6	330.6	330.7	8.0	3.3	24.8	16.
27-9	83-4	8418.5	350.0	-30.3	-65.7	226.5	15.2	10.5	10.7	331.1	331.2	8.0	3.8	26.4	17.
29-2	86.7	8842.2	325.0	-33.5	-65.7	226.5	15.2	11.4	8.4	332.3	332.3	8.0	999.9	29.5	21.
30-1	88.5	9498.4	300.0	-39.5	99.9	223.4	14.2	11.4	7.8	333.9	333.9	8.0	999.9	31.1	22.
32-2	92.9	10721.2	275.0	-48.5	99.9	227.4	11.5	8.5	6.2	335.0	335.0	8.0	999.9	32.9	24.
34-6	97.4	12153.5	250.0	-54.5	99.9	227.4	11.3	7.8	10.8	337.2	337.2	8.0	999.9	36.3	26.
36-9	102.6	14056.4	225.0	-60.5	99.9	226.8	21.7	15.3	15.4	352.6	352.6	8.0	999.9	40.9	28.
39-6	107.6	16153.5	200.0	-68.4	99.9	226.8	21.7	15.3	19.7	365.8	365.8	8.0	999.9	46.9	28.
42-4	113.5	17261.8	175.0	-80.4	99.9	226.8	20.1	16.8	17.4	388.6	388.6	8.0	999.9	54.9	29.
44-1	119.8	18468.7	150.0	-80.5	99.9	217.2	20.7	18.8	19.9	403.7	403.7	8.0	999.9	64.9	30.
47-9	126.0	19764.2	125.0	-83.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
50-7	136.7	16339.3	100.0	-64.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

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

ATLON 41.27  
 EL NOR CITY, CALIFORNIA  
 9 15 GMT 1979

129 97. 0

TIME MIN	CHRY	WEIGHT GMM	WINDS MM	TEMP DG C	DEW PT DG C	JET C	SPYLD M/SEC	U COMP M/SEC	V COMP M/SEC	POY T OG K	E POT T OG K	ML WFO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.2	320.0	948.0	21.0	15.0	180.0	0.0	0.0	0.0	297.0	320.0	11.0	0.0	0.0	0.0
0.5	9.0	93.0	1000.0	93.0	99.0	93.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0.5	12.0	40.0	975.0	99.0	99.0	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
1.0	14.0	715.0	925.0	10.0	15.0	171.0	12.5	-1.0	12.0	297.1	320.0	12.0	0.3	350	0.0
1.5	16.0	450.5	925.0	10.0	15.0	177.2	15.5	-0.7	15.5	297.0	320.0	12.0	0.0	351	0.0
2.0	17.0	1130.0	925.0	10.0	15.0	180.0	19.7	3.0	19.5	291.6	320.0	11.0	0.0	350	0.0
2.5	18.0	1130.0	925.0	10.0	15.0	190.1	22.2	6.2	21.3	291.7	320.0	11.0	0.0	350	0.0
3.0	19.0	1400.0	925.0	10.0	15.0	202.0	27.3	6.7	20.7	300.0	320.0	10.0	0.0	350	0.0
3.5	20.0	1500.0	925.0	10.0	15.0	200.0	21.9	7.0	20.0	301.0	315.2	4.0	0.0	350	0.0
4.0	21.0	1500.0	925.0	10.0	15.0	196.0	22.0	6.2	21.1	310.0	310.0	0.3	1.0	5.0	12.0
4.5	22.0	1500.0	925.0	10.0	15.0	193.0	16.0	6.5	16.0	312.2	310.0	2.0	12.0	6.7	13.0
5.0	23.0	1500.0	925.0	10.0	15.0	189.0	10.2	2.0	10.0	313.2	320.0	1.0	12.7	7.0	13.0
5.5	24.0	1500.0	925.0	10.0	15.0	190.0	16.0	3.0	16.0	310.0	320.0	1.0	10.0	8.0	12.0
6.0	25.0	1500.0	925.0	10.0	15.0	193.0	14.7	3.0	14.3	310.0	320.0	1.0	13.0	9.1	12.0
6.5	26.0	1500.0	925.0	10.0	15.0	195.0	14.0	6.0	14.0	317.0	320.0	1.5	13.2	9.0	12.0
7.0	27.0	1500.0	925.0	10.0	15.0	195.0	14.0	3.0	14.0	317.0	320.0	1.5	14.0	10.0	13.0
7.5	28.0	1500.0	925.0	10.0	15.0	196.2	15.1	4.2	14.5	317.0	320.0	1.0	15.0	11.0	13.0
8.0	29.0	1500.0	925.0	10.0	15.0	196.2	14.0	6.1	14.2	317.0	320.0	1.0	15.0	12.1	13.0
8.5	30.0	1500.0	925.0	10.0	15.0	193.1	15.0	3.0	15.0	317.0	320.0	1.0	15.0	13.0	13.0
9.0	31.0	1500.0	925.0	10.0	15.0	189.0	18.5	3.0	18.0	319.0	320.0	0.6	11.0	13.0	13.0
9.5	32.0	1500.0	925.0	10.0	15.0	186.0	18.7	2.3	18.0	319.0	320.0	0.6	5.0	15.0	13.0
10.0	33.0	1500.0	925.0	10.0	15.0	180.0	14.0	1.5	14.7	321.2	320.0	0.1	2.2	16.7	12.0
10.5	34.0	1500.0	925.0	10.0	15.0	180.0	13.3	2.2	13.1	322.0	320.0	0.0	1.0	17.0	12.0
11.0	35.0	1500.0	925.0	10.0	15.0	192.3	11.5	2.5	11.2	323.2	323.0	0.0	1.0	18.0	12.0
11.5	36.0	1500.0	925.0	10.0	15.0	192.0	10.0	2.0	10.0	324.0	320.0	0.1	3.0	19.0	12.0
12.0	37.0	1500.0	925.0	10.0	15.0	192.0	12.0	3.0	11.3	325.2	325.0	0.1	3.0	20.7	12.0
12.5	38.0	1500.0	925.0	10.0	15.0	210.2	15.0	10.0	12.0	329.2	329.0	0.0	4.1	21.0	10.0
13.0	39.0	1500.0	925.0	10.0	15.0	210.2	10.1	11.3	14.1	330.0	330.0	0.0	4.0	23.2	10.0
13.5	40.0	1500.0	925.0	10.0	15.0	210.0	16.0	10.0	12.0	330.0	330.0	0.0	6.0	24.7	10.0
14.0	41.0	1500.0	925.0	10.0	15.0	210.0	15.1	11.3	10.1	330.0	330.0	0.0	9.0	26.0	10.0
14.5	42.0	1500.0	925.0	10.0	15.0	220.0	15.7	11.2	11.1	332.0	330.0	0.0	9.0	27.0	21.0
15.0	43.0	1500.0	925.0	10.0	15.0	220.0	15.0	11.0	11.0	330.0	330.0	0.0	9.0	29.0	21.0
15.5	44.0	1500.0	925.0	10.0	15.0	227.0	18.0	10.0	12.7	330.0	330.0	0.0	9.0	31.0	20.0
16.0	45.0	1500.0	925.0	10.0	15.0	230.0	22.0	10.0	12.1	350.0	330.0	0.0	9.0	30.0	20.0
16.5	46.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	10.0	365.0	330.0	0.0	9.0	30.0	20.0
17.0	47.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	17.7	380.0	330.0	0.0	9.0	33.0	20.0
17.5	48.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0
18.0	49.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0
18.5	50.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0
19.0	51.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0
19.5	52.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0
20.0	53.0	1500.0	925.0	10.0	15.0	210.0	22.0	13.0	00.0	400.0	330.0	0.0	9.0	30.0	00.0

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



STATION NO. 27  
ELMORE CITY, OKLAHOMA

9 MAY 1979  
1708 GMT

115 99. 0

TIME MIN	CMTCT	WEIGHT G/M	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	HA RTO CM/KG	RM PC	RANGE KM	RZ DG
0.0	9.2	32.0	968.0	24.0	16.3	162.0	9.8	0.0	9.8	302.0	334.6	12.1	55.0	0.0	0.
0.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	17.7	48.7	950.0	25.7	17.4	25.4	9.9	-3.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.1	12.9	71.9	923.0	20.5	17.0	110.9	6.8	-6.3	99.9	300.2	335.8	13.3	72.2	1.0	351.
1.9	15.1	95.5	933.0	18.2	15.3	106.6	12.6	2.9	12.3	300.3	335.8	13.3	80.8	0.0	368.
2.5	17.3	119.5	875.0	16.4	15.1	181.0	13.6	2.2	12.3	300.9	336.3	12.5	89.6	1.3	365.
3.6	19.5	144.7	850.0	15.9	14.4	177.5	15.4	4.4	14.7	322.0	335.9	12.3	90.7	2.0	354.
6.3	21.6	189.2	825.0	13.9	13.1	204.6	17.3	7.2	15.7	307.3	334.8	11.6	94.7	3.3	1.
5.9	24.2	175.3	830.0	13.9	7.8	196.0	18.2	5.0	17.5	311.2	328.2	9.1	29.9	4.0	5.
2.7	26.9	223.2	775.9	10.6	1.1	190.2	17.7	3.1	17.4	313.0	229.6	5.4	50.9	6.0	6.
4.4	28.9	251.0	739.0	17.5	3.5	196.3	17.5	4.9	16.8	315.6	335.0	6.6	39.3	5.7	7.
7.5	31.4	270.2	725.0	14.8	1.1	197.4	17.4	5.3	16.6	315.7	332.6	5.7	39.3	6.7	9.
6.5	33.8	309.0	703.0	12.6	-0.7	191.0	17.3	3.3	17.0	316.3	331.9	5.2	40.4	7.7	10.
9.5	36.2	339.0	675.0	10.8	-2.2	186.2	17.0	1.9	17.7	316.9	331.4	4.8	42.1	8.0	9.
10.6	39.9	371.6	650.0	7.5	-6.4	188.3	17.6	2.5	17.6	317.4	330.4	4.3	42.7	9.9	9.
11.7	41.3	403.5	625.0	5.0	-8.0	186.5	16.0	2.5	16.7	318.1	327.9	3.1	36.0	11.1	9.
13.0	44.0	436.7	602.0	1.8	-11.7	187.4	17.1	2.2	16.9	318.2	326.3	2.6	34.0	12.4	9.
18.2	66.7	470.3	575.0	-1.2	-16.4	188.8	18.1	2.7	17.8	318.6	325.5	2.2	35.8	13.7	9.
15.5	69.4	505.6	550.0	-6.2	-19.4	193.1	17.2	4.1	16.7	319.1	324.0	1.5	29.3	15.0	9.
16.8	72.3	542.7	525.0	-8.7	-21.5	194.9	18.3	5.3	17.5	320.4	324.7	1.3	20.4	16.4	10.
18.0	75.1	582.3	500.0	-9.4	-23.9	193.2	18.5	4.2	18.0	321.5	325.2	1.1	29.5	17.8	10.
19.3	77.1	619.5	475.0	-12.3	-26.4	189.0	15.3	7.4	15.1	322.8	325.9	0.9	29.5	19.1	10.
21.4	81.2	660.9	450.0	-15.0	-28.8	182.1	14.3	2.8	14.1	324.3	327.0	0.8	29.6	20.2	10.
21.9	84.3	703.9	425.0	-17.6	-31.2	194.4	15.0	6.2	14.4	324.1	328.4	0.7	29.7	21.3	10.
23.0	87.4	748.1	400.0	-21.7	-34.7	200.5	15.6	7.7	13.4	324.8	329.0	0.6	29.8	22.4	10.
24.0	90.5	793.1	375.0	-24.7	-37.1	211.1	13.7	7.1	11.7	327.7	329.0	0.4	29.9	23.5	13.
26.0	94.6	838.6	350.0	-29.8	-40.9	219.1	17.9	10.3	14.6	329.9	331.0	0.3	29.9	24.6	13.
27.5	98.0	879.2	325.0	-32.4	-44.2	219.1	20.0	13.0	16.9	331.8	332.6	0.2	30.0	25.7	13.
30.2	101.7	918.2	302.0	-37.4	-48.4	218.6	19.9	12.4	15.5	332.7	333.3	0.2	30.5	26.8	17.
32.2	105.7	951.5	275.0	-42.6	-52.9	223.1	18.6	12.7	13.6	333.5	333.9	0.9	99.9	27.9	17.
34.4	109.9	1079.7	250.0	-48.5	-57.9	219.4	18.8	12.6	14.6	334.6	334.9	0.9	99.9	29.0	19.
35.8	114.2	1140.6	223.0	-53.6	-62.9	219.7	21.5	13.7	16.3	336.3	336.3	0.9	99.9	30.1	20.
37.3	118.7	1220.3	200.0	-58.6	-67.9	226.5	25.2	18.3	17.4	339.3	339.3	0.9	99.9	31.2	23.
41.9	124.2	1304.8	175.0	-61.2	-72.9	228.8	25.6	19.2	16.8	349.9	339.9	0.9	99.9	32.3	23.
44.9	130.4	1401.1	150.0	-54.6	-69.9	213.1	23.8	13.0	20.0	367.5	339.9	0.9	99.9	33.4	26.
47.6	135.8	1510.5	125.0	-60.2	-74.9	217.3	26.0	15.7	20.7	386.0	339.9	0.9	99.9	34.5	26.
52.5	142.7	1634.4	103.0	-66.3	-80.9	99.9	99.9	99.9	99.9	418.3	339.9	0.9	99.9	35.6	26.
59.0	99.9	99.9	75.0	-96.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59.9	99.9	99.9	50.0	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59.4	99.9	99.9	25.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
0 BY TEMP MEANS TEMPERATURE 0; TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 27  
ELMORE CITY, OKLAHOMA

10 MAY 1979

TIME MT.	CNTCT	HEIGHT GPM	PRES HR	TEMP CG C	DEW PT UG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E POT T DG K	WX RTO GM/AC	RH PCT	RANGE KM	AZ DG
9.0	10.3	320.0	925.5	24.1	17.6	160.0	14.9	-5.1	14.0	300.3	336.1	13.5	65.0	0.0	0.
9.9	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	999.9
9.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
10.3	11.8	462.0	950.0	23.4	19.1	150.0	15.5	-7.7	13.4	300.9	340.3	14.8	75.6	0.5	333.
1.3	14.3	575.1	925.0	21.5	18.6	150.0	16.9	-8.2	14.8	301.3	340.5	14.7	83.3	1.0	332.
1.7	16.7	932.1	925.0	19.5	18.3	150.0	19.6	-8.0	17.9	301.7	341.3	14.9	92.4	1.0	332.
2.9	19.2	1175.7	975.0	18.1	17.3	162.5	22.0	-6.6	21.0	302.4	341.1	14.4	95.0	2.0	335.
3.3	21.7	1424.1	950.0	16.2	15.4	166.9	22.8	-5.2	22.2	303.1	338.3	13.1	95.1	3.0	338.
4.1	24.3	1676.2	825.0	14.3	13.5	168.8	21.6	-3.8	21.3	303.8	336.1	11.9	94.7	4.0	340.
4.3	26.9	1934.6	800.0	12.5	11.5	173.7	19.1	-1.8	19.0	304.4	333.9	10.6	94.1	5.0	342.
5.9	29.5	2209.8	775.0	10.9	9.4	182.2	14.8	2.1	14.6	315.2	319.0	1.2	6.2	6.0	345.
6.7	32.1	2475.1	750.0	17.8	19.0	192.4	14.9	3.2	14.5	315.9	319.3	1.1	5.2	7.5	347.
7.7	34.9	2778.4	725.0	15.9	21.9	192.2	16.4	3.4	16.0	316.9	319.9	0.9	5.9	6.3	350.
8.5	37.4	3174.3	700.0	13.3	22.0	196.2	16.7	4.7	16.1	317.3	320.4	0.9	6.8	9.1	352.
9.5	40.3	3574.2	675.0	10.8	22.3	200.4	17.0	5.9	16.9	317.7	319.0	0.4	3.2	9.9	356.
10.6	43.1	3990.6	650.0	8.1	22.3	203.3	16.5	7.0	16.9	318.2	319.2	0.3	2.7	10.8	357.
11.5	46.0	4411.4	625.0	5.1	20.7	207.8	17.0	7.7	17.7	318.3	319.2	0.3	3.0	11.7	359.
12.6	49.0	4842.9	600.0	1.9	37.8	207.8	17.3	8.1	15.3	318.4	319.2	0.2	3.3	12.7	2.
13.7	52.0	5274.9	575.0	-1.4	39.1	210.3	18.9	9.5	16.3	318.3	319.1	0.2	3.7	13.7	4.
15.0	55.0	5706.5	550.0	-3.1	51.9	205.6	20.0	8.6	18.1	320.4	320.6	0.1	1.0	15.2	7.
17.3	58.1	6138.2	525.0	-6.3	48.2	200.8	19.8	7.8	18.6	320.8	321.1	0.1	1.0	16.7	8.
19.6	61.3	6570.3	500.0	-9.1	49.7	202.6	18.2	7.8	18.6	321.9	322.2	0.1	2.1	18.1	9.
21.9	64.6	7002.4	475.0	-10.0	56.2	200.7	19.0	6.7	17.7	325.6	325.8	0.0	1.0	19.5	10.
24.2	68.0	7434.5	450.0	-13.4	58.4	209.9	18.5	9.3	16.1	326.6	326.5	0.0	1.0	20.8	11.
26.5	71.4	7866.6	425.0	-17.3	60.4	216.9	17.4	11.0	13.6	326.8	326.9	0.0	1.1	22.2	13.
28.8	74.8	8298.7	400.0	-20.5	59.1	218.5	18.3	11.4	14.3	328.3	328.4	0.0	1.9	23.7	14.
31.1	78.1	8730.8	375.0	-23.9	52.9	219.4	18.7	11.9	16.4	330.8	330.3	0.1	4.9	25.4	16.
33.4	81.5	9162.9	350.0	-26.2	53.4	227.6	18.0	13.7	16.3	333.0	331.0	0.1	5.4	27.2	18.
35.7	84.9	9595.0	325.0	-32.4	57.9	227.6	21.5	15.8	14.5	332.0	332.2	0.0	9.3	29.3	20.
38.0	88.3	10027.1	300.0	-37.4	58.2	224.6	21.5	15.1	15.3	332.6	332.8	0.0	9.3	31.5	22.
40.3	91.7	10459.2	275.0	-42.2	99.9	224.4	19.3	13.5	13.8	334.1	999.9	99.9	999.9	33.0	23.
42.6	95.1	10891.3	250.0	-47.5	98.9	227.2	19.0	14.0	12.9	335.4	999.9	99.9	999.9	36.0	25.
44.9	98.5	11323.4	225.0	-51.2	98.9	232.3	21.7	17.2	13.3	338.5	999.9	99.9	999.9	39.0	28.
47.2	101.9	11755.5	200.0	-53.3	98.9	247.7	19.8	18.3	7.5	340.5	999.9	99.9	999.9	43.1	28.
49.5	105.3	12187.6	175.0	-63.3	98.9	256.6	19.0	18.5	4.4	350.4	999.9	99.9	999.9	42.0	31.
51.8	108.7	12619.7	150.0	-64.0	98.9	244.1	19.9	17.9	8.7	359.8	999.9	99.9	999.9	43.7	33.
54.1	112.1	13051.8	125.0	-66.2	99.9	225.0	27.1	19.2	15.2	375.1	999.9	99.9	999.9	49.0	35.
56.4	115.5	13483.9	100.0	-65.3	98.9	99.9	99.9	98.9	99.9	401.6	999.9	99.9	999.9	999.9	999.9
58.7	118.9	13916.0	75.0	99.9	98.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
61.0	122.3	14348.1	50.0	99.9	98.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
63.3	125.7	14780.2	25.0	99.9	98.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

\* 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. 27  
ELMORE CITY, OKLAHOMA

10 MAY 1979  
506 GMT

128 97. 0

TIME MIN	CNCT	WEIGHT GPM	PHES MB	TEMP DG C	ZW PT DU C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MR STD GM/KG	RM PCT	RANGE AZ KM	DG
0-0	9-7	320-0	960-5	23-6	18-7	160-0	12-9	-4-4	12-1	299-7	337-3	14-2	74-0	0-0	0-
00-9	9-7	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	999-9
01-0	9-7	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	999-9
0-4	11-2	470-9	950-0	22-7	13-5	151-5	16-2	-7-7	14-2	300-3	340-5	15-2	81-9	0-5	333-
1-2	11-6	703-5	925-0	21-1	19-6	154-1	17-9	-7-8	15-1	300-9	342-5	15-7	91-1	1-2	323-
2-3	16-0	941-0	920-0	19-1	18-4	156-7	22-1	-8-7	20-3	301-2	341-0	15-0	95-2	2-1	324-
2-5	14-5	1183-6	975-0	17-8	17-0	160-6	26-4	-8-8	24-9	302-3	340-1	14-1	95-2	3-4	319-
3-8	23-9	1431-9	850-0	16-3	15-2	166-7	25-4	-5-9	24-8	303-2	338-2	13-0	91-4	4-8	318-
5-3	21-6	1506-6	825-0	15-2	14-0	170-2	25-2	-4-3	24-9	304-7	338-2	12-3	92-1	6-6	341-
5-9	20-0	1347-0	800-0	12-7	9-2	170-9	24-4	-3-9	24-1	304-7	338-2	9-2	79-4	8-0	343-
6-9	24-5	2218-3	775-0	18-8	-12-1	182-6	19-1	0-9	19-0	314-1	320-2	2-0	11-1	9-3	344-
7-8	31-1	2549-1	750-0	17-8	-15-1	194-1	15-9	3-9	15-4	315-9	320-9	1-6	9-3	10-2	347-
8-7	31-4	2786-2	720-0	15-7	-16-4	195-4	16-4	4-3	15-8	316-7	321-4	1-5	9-5	10-9	349-
10-6	36-4	3082-6	700-0	13-5	-21-9	196-2	18-6	5-2	17-9	317-5	320-6	0-9	6-8	11-6	351-
11-6	37-2	3382-6	675-0	11-0	-23-3	197-1	20-7	6-1	18-8	318-0	320-8	0-9	7-1	12-8	353-
12-7	41-9	3599-3	650-0	8-3	-27-7	200-6	20-3	7-1	19-0	318-4	321-0	0-8	7-3	13-9	355-
14-0	47-6	4322-9	625-0	5-0	-26-9	201-3	20-9	7-6	19-4	318-2	320-5	0-7	7-7	15-2	357-
15-2	51-6	4352-1	600-0	2-4	-24-5	201-3	21-6	7-8	20-2	318-9	320-9	0-6	8-3	16-7	360-
17-5	53-5	5346-7	575-0	-1-0	-24-0	199-0	23-1	7-5	21-9	318-9	320-9	0-6	9-8	18-3	2-
17-9	54-6	5414-1	550-0	-4-1	-36-2	202-7	22-1	8-5	20-4	320-5	321-6	0-3	5-6	19-9	3-
19-0	58-8	5796-3	500-0	-4-3	-35-6	212-3	20-1	10-8	17-0	321-3	324-4	0-3	5-8	21-4	5-
21-0	60-3	6193-6	475-0	-10-6	-40-5	213-2	17-8	9-0	15-4	324-9	325-4	0-3	6-0	22-7	7-
21-6	60-3	6506-9	450-0	-13-5	-40-8	212-5	16-8	9-0	14-1	324-2	325-7	0-2	6-4	23-9	8-
23-1	62-4	7339-9	425-0	-16-6	-41-1	211-0	19-2	9-9	16-4	327-7	328-6	0-2	7-9	25-3	9-
24-7	71-3	7431-5	400-0	-20-2	-43-0	215-7	18-6	10-8	15-1	328-8	329-5	0-2	9-9	26-7	11-
26-3	77-0	7465-1	375-0	-24-3	-46-5	214-1	18-5	10-4	15-3	329-5	330-1	0-2	10-7	28-4	12-
27-4	81-9	8664-3	350-0	-28-4	-44-5	216-6	16-6	11-7	15-7	330-5	330-9	0-1	11-1	29-9	13-
29-5	84-7	9322-5	325-0	-31-8	-52-0	222-8	15-6	15-1	16-4	334-9	333-2	0-1	11-4	31-7	15-
31-3	82-4	9552-7	300-0	-36-4	-53-9	223-0	21-5	14-7	15-8	338-0	334-4	0-1	11-4	33-6	16-
33-4	93-1	10148-9	275-0	-41-8	-53-9	221-1	20-0	13-1	15-1	337-7	999-9	99-9	14-3	35-7	18-
35-6	97-4	10787-4	250-0	-47-0	-59-9	229-9	21-7	16-6	14-0	336-3	999-9	99-9	999-9	38-0	19-
37-9	104-6	11477-1	225-0	-57-6	-66-0	239-2	23-2	20-0	14-9	337-9	999-9	99-9	999-9	40-5	21-
40-5	107-4	12227-6	200-0	-58-2	-69-9	244-5	22-3	20-1	9-6	340-7	999-9	99-9	999-9	43-1	22-
43-1	113-8	13357-9	175-0	-62-6	-69-9	261-0	18-3	12-5	0-2	346-6	999-9	99-9	999-9	45-9	24-
45-3	120-0	14331-3	150-0	-64-7	-64-7	241-5	14-1	11-0	8-8	346-6	999-9	99-9	999-9	48-0	26-
48-4	127-3	15107-9	125-0	-68-3	-69-9	999-9	99-9	99-9	99-9	374-9	999-9	99-9	999-9	999-9	999-9
54-3	135-0	14651-5	100-0	-67-2	-69-9	999-9	99-9	99-9	99-9	374-9	999-9	99-9	999-9	999-9	999-9
54-9	94-9	94-9	75-0	59-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
59-9	94-9	94-9	50-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
99-9	94-9	94-9	25-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9

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

STATION NO. 27  
ELMORE CITY, OKLAHOMA  
10 MAY 1979  
05 GMT

TIME MIN	CHTCY	HEIGHT GDN	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 STD G/KG	RM PCT	RANGE RM	AZ DG
0.0	9.9	320.0	966.6	22.5	19.7	160.0	11.8	-4.0	11.1	298.6	336.3	15.1	84.0	0.0	0.
93.9	93.9	1900.0	974.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.4	11.4	163.7	950.0	22.1	20.5	160.6	16.2	-5.4	15.3	299.6	342.4	16.3	92.8	0.4	236.
1.1	13.7	702.0	925.0	20.6	19.5	164.7	17.6	-4.6	16.9	300.2	341.5	15.6	94.0	0.9	339.
1.4	14.1	939.7	902.0	18.9	18.1	170.8	19.8	-3.1	19.5	300.9	340.0	14.7	95.2	1.7	343.
2.5	16.5	1181.5	875.0	17.4	16.5	176.1	22.1	-1.5	22.1	331.8	338.5	13.7	91.9	2.6	347.
7.2	21.0	1429.2	850.0	15.6	14.8	183.3	22.6	0.1	22.6	302.5	316.6	12.6	94.7	3.5	350.
4.0	23.4	1682.9	825.0	14.1	12.0	183.9	21.7	1.5	21.7	303.5	334.3	11.3	91.9	4.6	353.
4.4	26.0	1943.0	800.0	12.9	11.4	192.0	19.9	4.1	19.4	304.9	334.2	10.7	90.7	5.6	355.
5.6	24.5	2211.1	775.0	10.5	10.0	219.4	15.6	9.7	12.3	318.7	320.0	1.7	9.1	6.3	359.
6.5	31.1	2478.4	750.0	17.8	17.8	227.6	16.3	12.1	11.0	318.9	323.0	1.3	7.4	6.9	4.
7.4	36.4	2782.3	725.0	15.4	15.4	225.4	16.9	12.0	11.8	316.4	319.7	1.0	8.6	7.5	9.
8.3	36.4	3378.1	700.0	13.2	13.2	217.7	17.4	10.7	13.8	317.1	321.3	1.3	9.7	8.3	12.
9.9	39.1	3381.6	675.0	10.2	10.2	211.9	17.3	9.1	14.7	317.1	321.6	1.4	12.3	9.1	14.
10.1	41.9	3691.7	650.0	7.5	7.5	211.7	16.5	8.6	14.0	317.4	321.6	1.3	12.3	10.0	16.
11.3	44.8	4314.9	625.0	4.9	4.9	210.0	17.7	8.8	15.3	318.1	321.9	1.1	13.2	11.0	17.
12.3	47.7	4340.9	600.0	1.9	1.9	208.6	16.4	7.8	14.4	318.4	321.7	1.0	13.5	12.0	18.
13.1	53.6	4690.9	575.0	-1.3	-1.3	203.8	16.4	6.6	13.0	318.5	321.1	0.8	13.2	13.8	19.
13.2	53.6	5333.5	550.0	-4.7	-4.7	202.5	16.3	6.2	13.0	318.5	320.9	0.7	14.1	14.2	19.
14.5	55.8	5403.2	525.0	-6.4	-6.4	205.2	16.9	7.2	15.3	320.7	322.3	0.4	9.8	15.4	19.
15.7	57.9	5781.8	500.0	-9.8	-9.8	208.1	18.1	8.5	15.9	321.2	322.3	0.3	3.2	16.6	20.
17.2	61.1	6175.5	475.0	-12.4	-12.4	208.3	15.7	7.5	13.9	322.6	324.6	0.6	19.5	17.8	21.
19.2	64.5	6596.0	450.0	-15.7	-15.7	200.6	15.9	5.4	14.9	323.5	325.4	0.5	21.1	19.0	21.
20.5	70.0	7315.1	425.0	-17.5	-17.5	195.3	17.7	4.7	17.0	326.5	327.5	0.3	12.7	20.3	21.
21.7	73.6	7463.9	400.0	-21.0	-21.0	199.1	20.9	6.8	19.7	327.7	329.6	0.2	13.0	22.0	20.
23.4	77.2	7737.1	375.0	-24.4	-24.4	200.4	19.9	7.0	19.7	329.3	333.2	0.2	13.3	23.8	20.
25.2	81.1	8437.7	350.0	-29.4	-29.4	202.2	19.5	7.4	18.1	330.5	331.1	0.1	13.7	25.9	20.
27.1	85.2	8966.8	325.0	-32.5	-32.5	205.0	17.9	7.5	16.2	331.9	332.3	0.1	14.1	28.0	21.
28.8	89.3	9524.3	300.0	-36.9	-36.9	202.7	19.4	7.5	17.8	333.4	333.7	0.1	14.5	30.0	21.
30.9	93.7	13127.1	275.0	-41.6	-41.6	209.4	18.4	9.0	16.0	334.9	334.9	0.0	99.9	32.4	21.
33.3	93.4	10759.9	250.0	-47.0	-47.0	222.9	17.1	11.6	12.5	336.2	336.2	0.0	99.9	34.8	22.
35.0	97.2	11445.9	225.0	-52.0	-52.0	232.8	19.6	15.6	11.8	338.8	338.8	0.0	99.9	37.3	22.
39.2	93.6	12232.1	200.0	-57.0	-57.0	236.0	21.8	17.3	11.8	341.2	337.9	0.0	99.9	39.7	26.
40.2	104.5	13311.2	175.0	-63.4	-63.4	217.2	13.6	8.2	10.8	365.4	337.9	0.0	99.9	41.7	28.
42.6	123.8	13717.5	150.0	-66.1	-66.1	211.7	26.8	11.9	17.7	354.3	339.9	0.0	99.9	43.4	27.
45.9	128.0	15077.9	125.0	-66.5	-66.5	217.1	29.3	17.7	23.4	401.9	339.9	0.0	99.9	48.8	29.
49.7	150.9	16423.4	100.0	-65.1	-65.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
54.1	159.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
57.1	159.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
61.1	97.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0.1 V SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0.2 TEMP MEANS TEMPERATURE AT TIME HAVE BEEN INTERPOLATED  
 0.3 SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 27  
ELMORE CITY, OKLAHOMA

10 MAY 1979  
1107 GMT

129 98. 0

TIME MIN	CHTCY	WEIGHT GPH	PHES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E POT T DG K	MA RTO GN/KG	RM PCT	RANGE KM	AZ DG
0.0	9.7	329.0	966.2	21.8	19.5	190.0	9.8	-3.4	9.2	297.9	337.2	15.0	87.8	0.0	0.
00.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.9	99.7	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	11.3	466.4	950.0	21.9	99.9	161.5	16.0	-8.3	16.0	299.6	999.9	99.9	99.9	0.3	328.
1.1	13.6	697.4	925.0	20.4	18.3	170.9	17.3	-2.7	17.1	300.2	338.7	14.5	88.0	0.9	338.
1.8	16.0	930.6	907.0	20.3	15.4	190.7	19.0	0.2	19.0	302.4	335.6	12.3	73.3	1.6	347.
2.5	18.4	1178.6	875.0	20.1	13.6	196.0	18.2	1.9	18.1	304.7	335.6	11.3	64.3	2.5	352.
3.4	20.9	1623.6	850.0	19.2	12.1	195.3	18.8	6.4	18.2	306.3	335.3	10.5	63.3	3.3	357.
4.2	23.4	1685.4	825.0	17.7	9.9	198.7	16.4	5.3	15.5	307.3	333.4	9.4	60.5	4.0	1.
5.0	26.0	1948.2	800.0	15.9	6.6	202.6	16.9	6.5	15.6	308.1	332.6	8.7	61.2	4.8	4.
5.8	28.5	2217.8	775.0	14.1	8.0	209.8	17.1	6.5	14.8	309.0	333.6	8.7	66.6	5.6	8.
6.6	31.1	2494.1	750.0	11.8	7.3	212.4	16.0	10.8	11.8	309.4	333.6	8.6	74.1	6.4	11.
7.7	33.8	2777.9	725.0	10.1	7.5	213.3	16.2	13.0	9.7	310.5	336.4	8.2	85.7	7.2	16.
8.6	36.5	3073.2	700.0	9.5	1.8	215.0	16.8	13.8	9.7	313.0	331.2	8.3	88.5	7.9	20.
9.5	39.3	3371.6	675.0	8.5	-6.0	210.4	16.0	12.3	10.2	315.2	328.2	3.6	35.1	8.7	32.
10.5	42.0	3691.7	650.0	6.4	-7.6	227.9	14.7	10.9	9.9	316.2	326.4	3.3	36.1	9.5	28.
11.5	44.7	4011.7	625.0	3.3	-12.0	223.5	14.4	9.9	10.4	316.2	323.8	2.4	31.6	10.3	27.
12.5	47.4	4331.4	600.0	0.2	-16.5	220.5	15.5	10.1	11.8	317.1	322.7	1.6	25.9	11.2	29.
13.5	50.8	4671.4	575.0	-2.0	-17.9	218.7	16.6	9.9	11.3	317.6	322.8	1.4	24.3	12.1	29.
14.7	53.9	5023.0	550.0	-4.1	-20.0	212.5	18.8	10.1	15.9	319.2	325.0	0.8	18.2	13.3	30.
15.8	57.0	5389.7	525.0	-5.7	-27.2	211.3	18.6	9.7	15.9	321.8	325.4	0.8	18.2	14.6	30.
16.9	60.1	5769.3	500.0	-8.7	-26.6	210.1	19.2	9.6	16.7	322.5	325.4	0.9	21.8	15.9	30.
17.6	63.4	6164.1	475.0	-12.5	-27.9	208.2	19.4	9.2	17.1	322.5	325.3	0.8	26.2	17.3	30.
18.6	67.3	6575.6	450.0	-13.8	-31.4	205.7	23.6	10.2	21.3	326.0	321.1	0.3	10.9	19.2	30.
19.1	70.3	7007.5	425.0	-16.8	-39.7	205.2	22.6	9.5	20.2	327.5	328.5	0.3	11.5	21.3	29.
20.8	73.9	7459.4	400.0	-20.5	-41.8	209.8	24.0	11.9	20.6	328.4	329.3	0.2	15.8	23.6	29.
21.4	77.6	7934.3	375.0	-23.6	-43.0	207.8	24.4	11.4	21.6	330.3	331.1	0.2	13.2	25.9	29.
22.9	81.3	8434.1	350.0	-28.0	-47.3	204.5	24.3	10.1	22.1	331.0	331.5	0.1	13.7	28.1	29.
27.6	85.3	9461.0	325.0	-32.7	-50.9	207.0	23.7	10.7	21.1	331.6	332.0	0.1	14.1	30.5	29.
28.5	89.5	9515.8	300.0	-36.8	-53.6	209.6	22.5	11.1	19.6	333.6	333.9	0.1	15.5	33.2	29.
31.7	94.0	10116.6	275.0	-40.8	-59.9	210.8	22.4	11.5	18.2	336.1	339.9	99.9	99.9	36.0	29.
33.9	98.6	10759.0	250.0	-46.0	-66.0	218.9	21.6	13.6	16.8	337.7	399.9	99.9	99.9	39.9	29.
35.9	103.6	11444.7	225.0	-52.8	-69.9	217.0	22.6	16.2	17.6	337.6	999.9	99.9	99.9	41.7	30.
38.2	109.0	12197.4	200.0	-59.1	-69.9	213.6	20.5	11.3	17.0	339.3	999.9	99.9	99.9	44.3	30.
40.4	114.8	13020.4	175.0	-65.7	-69.9	212.5	21.6	11.6	18.2	341.5	999.9	99.9	99.9	47.1	30.
43.5	118.8	13965.9	150.0	-62.1	-69.9	216.8	27.1	19.7	18.5	363.1	999.9	99.9	99.9	51.8	32.
46.3	128.3	15098.0	125.0	-66.1	-69.9	213.3	24.7	18.3	18.6	375.2	999.9	99.9	99.9	57.2	33.
52.3	136.3	16432.0	100.0	-68.0	-69.9	499.9	99.9	99.9	99.9	604.2	999.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 28  
 FT. SILL, OKLAHOMA  
 9 MAY 1979  
 1100 GMT

TIME M14	CNCTY	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	MX H2O GM/KG	RH PCT	RANGE KM	AZ DG
00	107	361.2	941.0	21.7	17.7	180.0	12.0	9.0	17.7	290.2	333.0	13.4	78.0	0.0	0
01	99.9	99.9	1073.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02	99.9	99.9	973.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
03	11.7	461.2	950.0	21.0	18.0	150.2	16.9	-6.3	15.7	298.5	334.9	13.8	81.0	0.3	6
04	18.1	592.2	925.0	19.3	17.1	163.0	16.0	-3.7	17.6	299.0	336.1	14.0	91.0	1.1	350
05	18.5	424.4	900.0	17.8	16.9	160.6	21.1	0.2	21.1	299.9	336.1	13.6	98.4	2.0	352
06	18.9	1157.5	875.0	15.9	15.3	187.5	20.9	3.5	20.7	300.3	336.1	12.7	90.3	3.0	357
07	21.1	1917.7	850.0	14.2	13.7	171.5	23.9	6.0	23.1	301.0	332.4	11.7	97.0	4.1	1
08	23.7	1053.4	825.0	14.5	12.0	208.8	23.1	11.1	20.2	303.9	333.2	10.0	85.3	5.4	5
09	24.2	1331.7	800.0	20.2	-6.4	211.6	20.4	10.7	17.4	312.7	321.7	10.0	16.1	6.4	10
10	24.9	2235.5	775.0	20.6	-6.2	208.1	18.6	8.8	16.4	316.0	325.5	3.1	15.9	7.4	13
11	31.3	2187.7	750.0	18.4	-10.6	212.0	18.7	9.9	15.8	316.6	323.8	2.3	12.9	8.4	15
12	34.3	2176.7	725.0	16.2	-13.0	218.2	17.9	11.1	14.1	317.3	323.4	1.9	12.1	9.4	17
13	35.7	3372.5	700.0	13.6	-16.1	216.0	19.2	11.3	15.5	317.6	323.2	1.8	12.7	10.4	19
14	37.3	3376.7	675.0	10.6	-16.1	211.1	20.9	10.8	17.9	317.6	322.7	1.6	13.5	11.5	21
15	41.1	3093.3	650.0	7.5	-16.6	205.0	22.9	9.7	20.7	317.5	322.6	1.6	16.1	12.9	22
16	44.9	4310.4	625.0	4.9	-18.0	197.5	23.1	6.9	22.1	318.1	322.9	1.5	17.1	14.4	21
17	51.7	4361.1	600.0	1.6	-19.4	197.6	21.3	6.5	23.3	318.0	322.4	1.4	19.1	15.9	21
18	53.7	4882.5	575.0	-1.0	-25.7	201.5	19.3	8.0	17.6	318.9	321.6	0.8	13.1	17.5	21
19	53.7	5737.7	550.0	-3.3	-24.6	201.2	17.0	6.1	15.9	320.2	322.2	0.6	10.7	19.0	21
20	54.4	5451.7	525.0	-5.8	-30.8	208.4	12.8	5.3	11.6	321.5	323.4	0.6	11.7	20.1	21
21	57.7	5781.5	500.0	-8.7	-30.5	216.0	12.6	7.5	10.1	322.4	324.5	0.6	15.2	21.1	22
22	61.1	6176.2	475.0	-12.4	-31.1	220.6	10.3	7.5	7.1	322.6	324.6	0.6	19.1	21.9	22
23	64.4	6746.2	450.0	-16.2	-33.7	221.9	10.7	7.1	6.0	322.9	324.6	0.5	20.2	22.6	23
24	63.4	7313.5	425.0	-19.6	-37.7	211.5	13.4	7.0	11.5	323.8	325.1	0.3	18.2	23.6	26
25	73.3	7460.6	400.0	-23.9	-40.9	211.7	14.9	7.8	12.6	325.1	326.1	0.3	17.5	25.8	26
26	76.9	7727.4	375.0	-26.7	-43.4	219.9	15.5	5.8	12.1	326.3	327.1	0.2	18.7	27.7	26
27	81.7	8421.7	350.0	-30.2	-46.3	226.3	17.0	12.3	11.7	328.0	328.6	0.2	10.9	27.7	26
28	84.5	9447.4	325.0	-33.9	-49.2	228.8	19.5	13.3	14.3	330.0	330.0	0.1	19.3	29.5	27
29	84.7	9503.1	300.0	-38.6	-53.1	220.9	19.8	13.0	15.0	331.0	331.3	0.1	19.7	31.3	28
30	91.0	13344.1	275.0	-44.3	-57.9	223.8	17.5	12.5	12.2	331.0	999.9	99.9	999.9	31.0	29
31	97.5	13726.0	250.0	-47.5	99.9	229.1	20.3	15.3	13.3	332.5	999.9	99.9	999.9	36.9	30
32	107.4	14074.7	225.0	-54.5	99.9	234.3	19.5	15.8	11.3	335.1	999.9	99.9	999.9	37.3	31
33	107.4	12153.5	200.0	-60.1	99.9	228.2	20.9	15.6	13.9	337.6	999.9	99.9	999.9	39.6	32
34	113.0	12376.9	175.0	-64.3	99.9	234.5	27.4	22.3	15.9	343.8	999.9	99.9	999.9	42.3	34
35	113.0	13442.7	150.0	-59.7	99.9	229.4	27.2	20.2	18.2	36.1	999.9	99.9	999.9	45.2	35
36	126.0	15374.3	125.0	-61.5	99.9	999.9	99.9	99.9	99.9	383.7	999.9	99.9	999.9	48.3	36
37	133.3	16464.5	100.0	-64.4	99.9	999.9	99.9	99.9	99.9	403.3	999.9	99.9	999.9	51.9	36
38	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	999.9
39	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	999.9
40	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	999.9

\* 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. 28  
 FT-SILL, OKLAHOMA  
 9 MAY 1979  
 1430 GMT

TIME MIN	CHTCY	HEIGHT GPN	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	361-2	962-4	20-5	18-1	180-0	4-0	0-0	4-0	296-9	332-8	13-7	86-0	0-0	0-
00-9	00-9	50-9	1000-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-0	00-9	000-0	000-0	000-0
0-3	11-7	472-7	950-0	00-9	00-9	00-9	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
1-0	14-1	701-1	925-0	20-0	00-9	00-9	00-9	00-9	00-9	287-4	000-9	00-9	000-9	000-9	000-9
1-4	10-5	925-1	900-0	18-7	00-9	00-9	00-9	00-9	00-9	298-5	000-9	00-9	000-9	000-9	000-9
2-0	14-9	1176-5	875-0	17-7	15-3	00-9	00-9	00-9	00-9	290-4	000-9	00-9	000-9	000-9	000-9
3-1	21-4	1478-0	877-0	16-2	14-1	213-7	21-6	17-0	18-0	302-2	336-2	12-7	85-0	2-5	1-
4-1	23-7	1578-5	850-0	14-1	12-5	220-0	22-0	14-1	16-9	303-5	331-8	11-1	87-3	3-4	4-
5-0	20-4	1731-1	800-0	11-9	10-7	219-8	21-4	12-2	17-6	303-8	331-7	10-2	92-7	4-4	15-
6-0	20-0	2207-4	775-0	19-7	-20-7	190-9	19-7	6-7	18-5	313-9	316-2	0-7	3-4	5-5	21-
6-7	31-6	2447-9	750-0	18-7	-38-5	195-8	18-3	5-0	17-6	316-9	317-6	0-2	1-0	7-6	20-
7-6	34-2	2777-0	725-0	17-1	-39-5	202-2	18-4	7-0	17-0	318-2	318-0	0-2	1-0	8-5	20-
8-4	36-9	3073-7	700-0	14-3	-41-1	208-1	19-1	7-8	17-4	318-4	318-9	0-1	1-0	9-4	21-
9-7	37-7	3378-3	675-0	11-3	-43-0	208-0	17-8	7-8	16-0	318-3	318-6	0-1	1-0	10-3	21-
1-1	42-4	3591-3	650-0	8-4	-44-7	205-7	17-5	7-6	15-8	318-5	318-9	0-1	1-0	11-2	22-
1-7	47-3	4312-9	625-0	5-3	-45-7	202-8	17-6	6-8	16-2	318-5	318-9	0-1	1-2	12-2	22-
1-7	41-3	4368-1	600-0	2-2	-42-4	203-8	16-3	6-6	14-9	318-7	317-2	0-1	1-9	13-2	22-
1-9	51-3	4505-1	575-0	-1-2	-43-4	206-9	17-4	7-8	15-6	318-0	319-1	0-1	2-3	14-2	22-
1-9	54-3	5237-7	550-0	-3-9	-50-7	202-7	17-6	6-8	16-2	319-5	319-7	0-1	1-2	15-3	22-
1-9	57-4	5401-0	525-0	-6-2	-51-8	193-7	18-9	5-1	18-1	321-0	321-2	0-0	1-0	16-5	22-
1-9	61-6	5782-2	500-0	-9-4	-53-3	191-3	16-2	3-2	15-8	321-6	321-7	0-0	1-0	17-6	22-
1-9	67-9	6176-1	475-0	-12-6	-46-2	191-1	15-5	3-0	15-2	322-4	322-9	0-1	4-0	18-6	21-
1-9	67-1	6587-1	450-0	-15-2	-50-8	200-4	16-4	5-7	15-3	324-1	325-4	0-1	3-0	19-6	21-
1-9	73-7	7015-4	425-0	-19-9	-55-3	211-3	18-0	9-4	15-4	324-8	325-0	0-0	2-3	20-8	21-
1-9	74-3	7404-1	400-0	-22-8	-52-5	221-4	18-8	13-0	13-7	325-4	325-7	0-1	4-6	22-0	22-
2-3	77-0	7453-3	375-0	-27-0	-50-0	220-1	17-9	11-5	13-7	325-4	326-0	0-0	4-5	23-3	23-
2-3	81-4	84-7-3	350-0	-33-4	-58-9	219-8	19-4	11-3	15-7	327-3	328-0	0-0	5-4	24-8	24-
2-4	83-8	9451-1	325-0	-33-7	-58-3	220-6	22-7	14-6	17-2	330-3	330-6	0-0	5-8	26-6	25-
2-4	90-0	9306-4	300-0	-38-9	-62-3	221-6	24-1	18-0	18-0	330-2	330-6	0-0	5-3	28-8	26-
2-4	94-2	10339-2	275-0	-43-5	-61-9	599-9	99-9	99-9	99-9	333-2	999-9	99-9	99-9	999-9	999-9
2-9	94-4	10732-4	250-0	-48-7	-61-9	599-9	99-9	99-9	99-9	333-7	999-9	99-9	99-9	999-9	999-9
3-0	0-3	92-9	225-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	200-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	175-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	150-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	125-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	100-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	75-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	50-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9
3-0	0-3	92-9	25-0	00-0	00-0	00-0	00-9	00-9	00-9	00-9	000-9	00-9	000-9	000-9	000-9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE UN TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 28  
 FT-SILL, OKLAHOMA  
 9 MAY 1979  
 1705 GMT

TIME MIN	CNTCT	HEIGHT G/M	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT Y DG K	E PUT Y DG K	MX RTD GM/KG	RM PCT	RANGE KM	AZ DG
00	10.5	361.0	962.1	25.7	19.6	180.0	8.0	0.0	8.0	302.2	362.5	15.1	89.0	0.0	0.0
05	09.9	97.9	1203.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
05	11.0	472.1	950.0	23.0	17.7	161.2	11.4	-3.7	10.8	300.5	335.4	13.1	69.9	0.4	337.0
10	14.0	704.2	925.0	20.7	17.3	161.3	15.0	-0.3	14.3	300.5	336.7	13.6	81.0	1.1	339.0
20	14.4	741.2	900.0	18.7	16.9	179.4	15.6	-0.2	15.6	300.7	337.1	13.6	80.4	2.0	343.0
34	19.9	1183.0	875.0	18.9	16.3	202.4	15.3	5.8	14.2	303.4	338.8	13.5	85.8	2.9	352.0
44	21.2	1433.3	850.0	17.7	15.6	214.8	15.8	9.0	13.0	304.7	340.6	13.2	87.1	3.6	352.0
54	23.7	1649.6	825.0	15.6	14.4	222.2	14.1	9.5	10.4	305.1	338.6	12.7	92.5	4.4	352.0
64	24.2	1850.1	800.0	14.0	12.8	219.9	11.9	7.7	9.2	306.0	338.3	11.8	92.9	5.0	352.0
74	24.7	2213.5	775.0	16.4	-14.6	201.8	15.2	5.7	14.7	311.4	329.9	10.7	27.6	5.7	352.0
84	31.3	2409.1	750.0	18.9	-24.6	198.2	18.6	5.8	17.7	317.1	319.4	0.7	3.0	6.9	352.0
94	33.9	2787.9	725.0	16.4	-25.6	196.5	19.5	5.5	18.7	317.5	319.7	0.7	4.1	8.2	352.0
107	34.7	3184.3	700.0	13.6	-25.9	195.6	19.8	5.3	19.1	317.6	319.8	0.7	4.2	9.4	352.0
117	34.3	3385.4	675.0	10.9	-24.5	195.8	20.8	5.7	20.1	317.6	320.4	0.8	6.4	10.7	352.0
129	42.1	3700.7	650.0	8.1	-25.2	197.7	21.4	6.5	20.4	318.1	321.0	0.8	7.3	12.2	352.0
141	44.3	4022.4	625.0	5.1	-24.9	198.7	19.5	6.2	18.5	318.3	321.0	0.7	10.0	15.2	352.0
154	47.8	4353.4	600.0	2.0	-26.3	197.9	19.4	6.0	18.5	318.5	321.0	0.7	11.4	16.6	352.0
166	51.9	4694.6	575.0	-1.0	-27.1	194.0	18.5	4.5	18.0	318.8	321.2	0.5	9.7	18.3	352.0
179	53.9	5040.8	550.0	-4.0	-31.5	194.0	20.4	4.9	19.8	319.3	321.1	0.5	9.7	18.3	352.0
192	56.9	5412.6	525.0	-6.0	-37.3	191.9	20.9	5.7	20.1	321.3	321.3	0.3	6.2	19.4	352.0
204	62.0	5792.1	500.0	-8.0	-40.6	201.3	20.6	8.2	18.9	322.4	323.2	0.2	5.5	20.8	352.0
217	63.3	6187.4	475.0	-12.0	-42.2	201.9	20.3	9.0	17.8	323.1	323.8	0.2	6.0	22.2	352.0
228	66.6	6593.1	450.0	-15.7	-43.0	201.1	17.4	7.9	15.5	323.5	324.2	0.2	7.4	23.7	352.0
240	70.0	7026.5	425.0	-18.2	-45.1	208.3	16.3	9.1	17.0	324.9	325.4	0.2	7.7	25.2	352.0
255	73.6	7474.9	400.0	-22.5	-47.5	217.6	19.8	14.1	15.7	325.7	325.2	0.1	9.1	26.3	352.0
271	77.3	7945.1	375.0	-25.3	-50.0	217.9	22.7	14.0	17.9	326.8	327.2	0.1	8.5	28.8	352.0
284	81.0	8430.7	350.0	-29.2	-52.1	220.6	24.9	16.2	18.9	329.4	327.7	0.1	8.8	31.1	352.0
304	85.2	8965.9	325.0	-33.5	-54.6	209.9	29.9	19.0	19.9	330.6	330.8	0.1	9.8	33.6	352.0
325	89.2	9522.4	300.0	-38.2	-57.6	209.9	39.9	22.0	19.9	331.5	331.7	0.1	10.9	36.9	352.0
342	93.4	10115.3	275.0	-43.3	-60.9	209.9	49.9	24.0	19.9	332.5	332.5	0.1	99.9	39.9	352.0
363	94.0	10750.9	250.0	-47.9	-64.9	209.9	59.9	26.0	19.9	336.9	336.9	0.1	99.9	42.9	352.0
373	102.8	11437.5	225.0	-53.3	-69.9	209.9	69.9	28.0	19.9	336.9	336.9	0.1	99.9	45.9	352.0
399	108.7	12185.3	200.0	-59.3	-73.9	209.9	79.9	30.0	19.9	338.0	338.0	0.1	99.9	48.9	352.0
421	113.8	13003.8	175.0	-64.7	-79.9	209.9	89.9	32.0	19.9	343.2	343.2	0.1	99.9	51.9	352.0
447	120.0	13946.2	150.0	-60.2	-82.9	209.9	99.9	34.0	19.9	346.3	346.3	0.1	99.9	54.9	352.0
469	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
493	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
497	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
499	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
499	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY TIED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TIED MEANS TEMPERATURE 03 TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 28  
 FT. SILL, OKLAHOMA  
 9 MAY 1979  
 2305 GMT

TIME MIN	CHCT	HEIGHT GPM	PRES #3	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	WX RTO GM/KG	2M PCT	RANGE KM	AZ DG
0.2	10.6	361.0	960.0	27.6	20.4	160.0	5.0	-1.7	6.7	304.3	347.2	16.0	65.0	0.0	0.
9.2	99.9	94.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	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	999.9
7.3	11.6	456.7	950.0	26.5	19.9	150.0	16.6	-6.6	13.1	308.0	366.0	15.6	67.3	0.4	338.
1.0	16.0	689.6	925.0	22.0	17.6	157.5	16.9	-5.7	13.8	302.5	339.7	13.9	73.5	0.5	338.
1.7	16.5	727.3	900.0	21.0	17.9	162.1	16.4	-5.0	15.4	303.1	342.2	14.5	82.7	1.5	338.
2.4	16.9	117.1	875.0	19.2	16.2	165.6	15.1	-3.7	14.6	303.7	340.0	13.4	83.1	2.1	360.
3.1	21.4	1620.6	850.0	17.9	16.2	165.6	13.7	-2.5	13.5	304.7	337.9	12.1	79.2	2.7	362.
1.9	23.2	1676.1	825.0	16.3	12.9	173.6	13.0	-1.5	11.0	305.0	337.3	11.5	82.4	3.3	363.
6.5	26.4	1937.7	800.0	14.1	11.7	181.7	13.0	0.4	13.0	306.2	336.2	10.9	85.2	3.9	365.
9.4	29.1	2206.1	775.0	15.9	3.3	198.3	18.4	5.6	17.5	310.9	329.1	6.3	43.1	6.6	369.
6.3	31.8	2486.2	750.0	16.3	-11.8	198.7	19.7	6.3	18.6	316.5	323.1	2.1	11.8	5.5	355.
7.2	34.4	2775.3	725.0	17.1	-16.9	198.3	19.8	5.3	18.2	318.2	323.6	1.7	9.8	6.5	359.
8.1	37.2	3072.7	700.0	14.9	-16.6	176.9	20.0	5.8	19.2	318.6	323.5	1.5	10.1	7.5	359.
9.2	40.0	3377.9	675.0	11.4	-18.6	177.5	20.1	6.1	19.2	318.6	322.9	1.3	10.4	8.5	359.
9.9	42.8	3691.0	650.0	8.5	-18.6	194.2	20.8	6.8	19.6	318.6	322.6	1.2	11.6	9.5	359.
13.7	45.6	4113.0	625.0	5.3	-23.7	202.6	20.8	8.0	19.2	318.6	322.4	1.2	13.1	10.5	360.
11.5	48.6	4388.4	600.0	2.2	-22.6	205.5	21.0	9.0	18.9	318.7	322.1	1.0	13.9	11.7	360.
12.7	51.6	4695.9	575.0	-1.0	-23.2	207.7	21.6	9.0	19.6	318.8	322.2	1.0	16.5	12.9	360.
13.7	54.6	5038.2	550.0	-6.4	-26.1	202.4	19.6	7.5	18.2	318.8	321.6	0.8	16.5	14.1	360.
14.7	57.8	5422.2	525.0	-7.7	-27.5	202.3	19.4	7.3	17.9	319.1	321.7	0.8	18.7	15.3	360.
17.4	61.0	5780.7	500.0	-7.3	-31.1	200.4	21.8	9.7	14.5	321.7	321.4	0.5	12.3	16.6	360.
17.0	64.3	6175.3	475.0	-12.2	-35.2	200.2	22.3	10.9	19.5	322.9	324.4	0.4	12.6	18.1	360.
14.1	67.7	6586.4	450.0	-15.2	-37.4	213.7	22.5	12.5	18.7	324.2	325.4	0.3	13.1	20.9	360.
17.1	71.1	7016.1	425.0	-18.1	-39.6	221.0	23.8	15.6	18.0	325.8	326.8	0.3	13.1	22.9	360.
21.3	74.7	7467.9	400.0	-21.7	-41.9	229.4	25.1	17.3	18.2	326.8	327.6	0.2	16.2	22.4	360.
21.4	78.4	7937.0	375.0	-25.6	-43.0	226.1	25.2	18.1	17.4	327.8	328.5	0.2	16.5	24.3	360.
22.3	82.3	8433.7	350.0	-29.5	-45.1	229.2	23.4	17.7	15.3	329.0	329.7	0.2	20.1	26.0	360.
24.3	86.3	8956.4	325.0	-33.4	-48.9	230.3	26.5	18.9	15.7	330.7	331.2	0.1	19.3	27.7	360.
25.7	90.7	9515.6	300.0	-37.7	-52.4	230.1	28.8	20.6	17.2	332.3	332.6	0.1	19.6	29.7	360.
27.2	95.0	10109.1	275.0	-42.6	-56.9	231.2	25.1	19.6	15.8	333.5	333.9	0.1	19.9	31.8	360.
27.7	99.9	10748.1	250.0	-48.4	-61.9	229.1	26.1	19.7	17.1	336.2	336.9	0.1	19.9	34.0	360.
33.4	104.9	11429.0	225.0	-53.9	-66.9	235.0	29.3	20.7	14.5	335.9	335.9	0.1	19.9	36.5	360.
32.1	111.7	12177.0	200.0	-58.6	-71.9	237.6	13.4	11.4	7.2	339.9	339.9	0.1	19.9	38.5	360.
34.0	117.7	13032.1	175.0	-64.4	-76.9	238.4	22.4	12.0	18.6	340.3	340.3	0.1	19.9	40.4	360.
35.3	124.3	13970.1	150.0	-60.6	-80.9	230.4	39.2	32.8	21.7	365.8	365.8	0.1	19.9	42.8	360.
37.1	129.3	15133.5	125.0	-62.5	-84.9	99.9	99.9	99.9	99.9	381.9	381.9	0.1	19.9	45.2	360.
39.9	99.9	99.9	102.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
40.7	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	999.9
40.9	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	999.9
40.9	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	999.9

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

STATION NO. 28  
 FT. SILL, OKLAHOMA  
 10 MAY 1979  
 200 GMT

TIME MIN	CHTCF	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T UG K	E POT T DG R	WIND G/KG	RM PCT	RANGE KM	AZ DG
0.0	10.7	361.0	963.0	25.3	19.9	180.0	0.0	0.0	0.0	302.0	343.1	15.4	72.0	0.0	0.
00.0	07.0	90.0	1070.0	00.0	01.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	000.0	000.0
00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	000.0	000.0
0.6	11.6	653.3	975.0	24.2	20.0	000.0	00.0	00.0	00.0	311.7	343.4	15.7	77.8	000.0	000.0
1.0	14.0	696.7	925.0	22.2	19.4	000.0	00.0	00.0	00.0	302.0	343.3	15.5	80.0	000.0	000.0
1.7	16.5	925.2	900.0	20.3	18.7	000.0	00.0	00.0	00.0	302.5	343.3	15.3	80.1	1.9	339.
2.5	19.0	1168.7	875.0	18.6	17.4	160.3	24.0	-4.8	23.5	303.4	341.9	14.4	92.7	2.9	341.
3.2	21.4	1418.2	850.0	17.7	16.1	176.2	23.8	-1.6	23.7	304.7	341.9	13.7	90.3	4.0	348.
4.0	23.9	1673.5	825.0	15.9	14.5	181.1	21.5	0.4	21.5	305.4	340.1	12.7	91.3	5.0	347.
4.8	26.6	1935.2	800.0	13.7	12.6	184.3	18.8	1.4	18.7	305.8	337.6	11.6	92.9	5.0	350.
5.5	29.1	2202.7	775.0	12.7	-0.6	195.0	21.1	5.5	20.4	307.4	316.3	3.0	26.5	6.8	352.
6.5	31.7	2482.1	750.0	10.8	-39.4	201.5	21.7	8.0	20.2	317.0	317.6	0.2	1.0	7.9	356.
7.5	34.3	2771.2	725.0	16.5	-32.4	190.0	23.9	7.8	22.6	317.6	318.2	0.2	1.0	9.2	360.
8.5	37.1	3167.6	700.0	14.1	-41.1	174.7	24.0	8.1	22.6	318.1	314.7	0.1	1.0	10.6	3.
9.6	39.9	3372.0	675.0	11.1	-43.1	203.1	23.4	9.2	21.5	318.1	318.5	0.1	1.0	12.0	5.
10.6	42.7	3584.9	650.0	8.4	-48.8	207.1	23.5	10.7	20.9	318.5	318.9	0.1	1.0	13.3	7.
11.6	45.4	4006.7	625.0	5.4	-40.9	210.3	23.0	11.6	19.9	318.6	314.3	0.2	1.9	14.7	9.
12.6	48.4	4334.0	600.0	2.4	-42.1	219.2	25.8	12.6	22.5	318.9	319.6	0.2	2.5	16.0	11.
13.6	51.4	4660.9	575.0	0.6	-49.6	215.5	24.7	12.6	21.3	320.7	320.9	0.1	1.0	17.6	13.
14.8	54.5	5034.7	550.0	-2.2	-51.3	207.7	23.5	11.0	20.8	321.5	321.7	0.1	1.0	19.1	14.
16.0	57.6	5401.6	525.0	-5.3	-53.3	209.3	23.6	11.6	20.5	322.0	322.2	0.0	1.0	20.8	15.
17.1	60.8	5742.8	500.0	-7.6	-58.7	218.3	22.2	13.7	17.4	323.8	324.0	0.0	1.0	22.3	16.
18.3	64.3	6179.3	475.0	-10.9	-56.8	222.2	22.2	14.9	16.5	324.5	324.7	0.0	1.0	23.7	18.
19.6	67.4	6592.1	450.0	-14.3	-42.1	223.5	22.6	15.5	16.4	325.3	326.0	0.2	7.3	25.2	20.
21.0	70.9	7023.3	425.0	-16.7	-46.7	224.1	21.9	15.2	15.7	327.3	327.8	0.1	5.5	26.8	21.
22.2	74.4	7475.7	400.0	-20.3	-50.1	999.0	99.9	99.9	99.9	329.0	329.0	0.1	5.0	28.4	22.
23.5	78.1	7947.3	375.0	-24.5	-52.5	999.0	99.9	99.9	99.9	329.1	329.4	0.1	5.4	999.0	999.0
24.9	81.9	8429.7	350.0	-29.0	-54.9	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
26.0	85.3	8923.0	325.0	-33.0	-57.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
27.1	88.3	9427.0	300.0	-36.0	-59.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
28.1	91.3	9931.0	275.0	-39.0	-61.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
29.1	94.3	10435.0	250.0	-42.0	-63.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
30.1	97.3	10939.0	225.0	-45.0	-65.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
31.1	100.3	11443.0	200.0	-48.0	-67.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
32.1	103.3	11947.0	175.0	-51.0	-69.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
33.1	106.3	12451.0	150.0	-54.0	-71.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
34.1	109.3	12955.0	125.0	-57.0	-73.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
35.1	112.3	13459.0	100.0	-60.0	-75.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
36.1	115.3	13963.0	75.0	-63.0	-77.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
37.1	118.3	14467.0	50.0	-66.0	-79.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
38.1	121.3	14971.0	25.0	-69.0	-81.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
39.1	124.3	15475.0	0.0	-72.0	-83.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
40.1	127.3	15979.0	0.0	-75.0	-85.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
41.1	130.3	16483.0	0.0	-78.0	-87.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
42.1	133.3	16987.0	0.0	-81.0	-89.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
43.1	136.3	17491.0	0.0	-84.0	-91.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
44.1	139.3	17995.0	0.0	-87.0	-93.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
45.1	142.3	18499.0	0.0	-90.0	-95.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
46.1	145.3	19003.0	0.0	-93.0	-97.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
47.1	148.3	19507.0	0.0	-96.0	-99.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
48.1	151.3	20011.0	0.0	-99.0	-101.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
49.1	154.3	20515.0	0.0	-102.0	-103.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
50.1	157.3	21019.0	0.0	-105.0	-105.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
51.1	160.3	21523.0	0.0	-108.0	-107.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
52.1	163.3	22027.0	0.0	-111.0	-109.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
53.1	166.3	22531.0	0.0	-114.0	-111.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
54.1	169.3	23035.0	0.0	-117.0	-113.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
55.1	172.3	23539.0	0.0	-120.0	-115.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
56.1	175.3	24043.0	0.0	-123.0	-117.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
57.1	178.3	24547.0	0.0	-126.0	-119.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
58.1	181.3	25051.0	0.0	-129.0	-121.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
59.1	184.3	25555.0	0.0	-132.0	-123.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0
60.1	187.3	26059.0	0.0	-135.0	-125.0	999.0	99.9	99.9	99.9	999.0	999.0	0.1	999.0	999.0	999.0

0.00 SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0.00 TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 28  
PT. SILL., OKLAHOMA

10 MAY 1979  
500 GMT

TIME ML	CNTLT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E POY T DG K	WX BTO GM/KC	RM PCT	RANGE NM	AZ DG
0.3	10.7	361.0	981.0	23.0	20.3	150.0	12.0	-0.0	10.4	308.4	362.3	15.9	81.0	0.0	0.
0.5	99.7	94.7	1203.0	39.9	39.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.7	1.0	94.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
1.0	11.5	862.3	925.0	22.6	20.3	153.4	17.7	-7.9	15.9	300.1	343.1	16.3	85.2	0.3	339.
1.1	13.4	698.5	925.0	21.0	20.3	150.2	17.0	-6.3	15.0	300.0	344.5	16.3	95.9	0.9	336.
1.6	17.2	903.0	903.0	19.6	19.2	166.3	21.5	-5.1	20.9	301.7	343.8	15.0	97.7	1.7	339.
2.6	18.5	1175.3	875.0	17.7	17.4	171.0	24.7	-1.9	24.4	302.2	343.9	14.4	97.5	2.8	343.
3.3	21.0	1423.5	850.0	15.0	15.4	175.5	29.6	-1.9	29.5	303.7	333.0	13.1	97.2	3.0	366.
4.0	23.4	1777.6	825.0	14.5	14.1	181.7	23.5	0.7	23.5	303.9	337.4	12.4	97.2	4.9	360.
4.3	25.9	1734.2	800.0	13.2	12.9	183.5	23.7	1.5	23.6	305.2	337.2	11.7	97.9	6.0	351.
5.3	29.4	2203.2	775.0	11.3	9.2	191.8	19.9	4.1	19.5	305.9	332.6	9.6	97.9	7.3	354.
6.5	33.9	2490.2	750.0	10.7	-35.2	200.6	19.3	6.0	19.1	312.6	313.4	6.3	1.0	0.0	350.
7.3	33.5	2766.0	725.0	14.9	-40.8	203.4	23.4	9.3	21.5	315.3	316.4	0.1	1.0	0.0	359.
8.2	36.1	3162.1	700.0	13.2	-41.0	203.0	23.2	10.1	23.1	317.1	317.0	0.1	1.0	10.1	2.
9.1	38.8	3366.1	675.0	10.9	-43.1	202.0	27.4	10.6	25.3	317.8	319.3	0.1	1.0	11.5	5.
10.2	41.4	3578.5	650.0	8.1	-44.9	205.8	29.9	11.2	22.3	318.2	317.5	0.1	1.0	13.1	7.
11.3	44.3	4003.4	625.0	5.4	-46.5	207.0	27.6	12.5	25.6	318.6	319.0	0.1	1.0	14.7	9.
12.7	47.1	4331.7	600.0	2.7	-48.3	209.1	30.0	14.5	27.3	319.2	314.5	0.1	1.0	16.3	11.
13.2	50.0	4573.5	575.0	-0.2	-50.1	213.0	29.1	15.9	26.4	319.0	320.3	0.1	1.0	18.0	13.
14.4	53.0	5027.3	550.0	-2.7	-51.6	216.3	24.0	14.7	20.0	320.9	321.1	0.1	1.0	19.7	15.
15.4	56.0	5394.2	525.0	-4.0	-53.0	218.3	22.9	13.6	18.5	322.6	322.8	0.1	1.0	21.1	17.
16.3	59.1	5775.5	500.0	-6.3	-54.4	216.1	21.3	13.1	16.7	323.0	324.3	0.4	9.1	22.2	18.
17.4	62.3	6171.1	475.0	-11.6	-55.5	220.1	23.4	15.3	18.2	323.7	325.3	0.5	14.2	23.5	19.
18.5	65.6	6593.2	450.0	-14.3	-57.3	220.9	22.5	14.0	17.0	323.3	326.4	0.3	11.3	24.9	20.
19.5	69.7	7014.1	425.0	-17.7	-58.9	217.2	21.1	12.0	16.8	324.3	327.2	0.2	9.9	26.3	21.
20.4	72.4	7455.2	400.0	-20.0	-61.4	213.9	19.3	12.4	16.5	326.0	329.4	0.1	6.4	27.8	22.
21.3	74.7	7831.7	375.0	-24.0	-62.2	213.3	18.2	13.4	16.9	329.8	330.2	0.1	5.3	29.4	23.
21.3	74.7	8137.1	350.0	-28.5	-64.9	220.8	18.7	15.9	17.9	330.4	330.6	0.1	5.0	31.2	24.
22.6	81.5	8564.5	325.0	-32.5	-67.4	221.6	18.1	18.1	18.1	331.9	332.1	0.0	6.3	33.0	25.
23.2	87.5	8924.1	300.0	-36.5	-69.7	221.3	16.9	16.9	19.3	333.9	336.0	0.0	7.0	35.2	26.
24.1	91.5	10120.7	275.0	-41.5	-69.9	221.4	16.7	18.9	19.9	335.2	339.9	99.9	999.9	37.7	27.
25.7	94.3	10759.7	250.0	-46.9	-69.9	225.5	20.5	20.5	17.5	336.3	999.9	99.9	999.9	40.5	28.
31.4	131.0	11440.5	225.0	-52.1	-69.9	244.1	23.6	21.3	16.3	338.7	999.9	99.9	999.9	43.0	30.
33.4	106.0	12206.7	200.0	-55.1	-69.9	243.2	20.1	23.3	11.6	345.6	999.9	99.9	999.9	45.1	32.
35.1	111.6	13385.6	175.0	-62.2	-69.9	259.5	24.7	26.3	6.5	347.4	999.9	99.9	999.9	47.6	34.
36.4	111.8	14937.3	150.0	-66.0	-69.9	277.9	12.2	12.1	-1.7	353.4	999.9	99.9	999.9	47.9	35.
37.3	124.7	15747.7	125.0	-67.0	-69.9	213.0	20.9	20.5	32.6	322.6	999.9	99.9	999.9	50.3	35.
41.4	132.7	16633.4	100.0	-67.7	-69.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.
47.2	95.9	75.0	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
49.2	95.9	94.7	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
50.3	97.3	92.3	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

0 T SPEED MEANS ELEVATION ANGLE B -10.0 AND 10 DEG  
 0 T TEMP MEANS TEMPERATURE 0.1 T IN AVE BEEN INTERPOLATED  
 00 T SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 28  
 FT. SILL, OKLAHOMA  
 18 MAY 1979  
 800 GMT

TIME MIN	ENTCE	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT V DG K	WIND GM/SEC	RM PCT	RANGE M	AZ DG
0-0	10-0	381-0	961.7	24.1	21.0	187-0	8.0	0-0	0-0	300-0	344-0	10-0	03-0	0-0	0-
0-0	09-0	59-0	1000-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0	09-0
0-4	11-0	68-0	950-0	22-9	20-9	173-2	10-9	-1-3	10-0	300-0	340-3	10-0	08-2	0-4	35-2
1-2	13-0	701-2	925-0	21-1	19-3	179-3	14-9	-0-2	14-0	300-0	341-9	15-0	09-0	0-9	35-0
2-0	15-0	931-7	903-0	19-7	17-9	180-1	18-2	2-6	18-0	301-0	340-5	14-0	09-3	1-0	33-0
2-9	18-2	1102-0	875-0	18-0	16-1	190-9	20-0	0-0	19-0	303-0	339-2	13-3	04-3	2-7	4-
4-1	23-7	1431-3	850-0	17-0	14-9	204-9	21-5	0-0	19-5	304-0	338-4	12-7	07-4	4-2	10-
5-2	23-1	1605-0	825-0	15-5	13-6	213-1	20-4	11-2	17-1	304-9	337-7	12-0	08-9	5-6	15-
6-4	25-7	1907-4	800-0	14-2	12-3	218-3	20-6	12-0	16-2	306-3	337-7	11-0	08-4	7-0	23-
7-6	24-2	2215-5	775-0	12-8	10-6	220-2	20-0	12-9	15-2	307-6	336-0	10-4	06-2	8-3	23-
8-0	30-8	2491-9	750-0	13-0	7-3	221-5	20-1	13-3	15-1	310-7	335-4	9-6	06-4	9-3	25-
9-7	33-1	2776-2	725-0	10-7	6-0	222-6	21-0	14-2	15-5	311-3	332-7	7-5	06-0	10-8	27-
10-9	36-1	3060-1	700-0	8-4	3-3	223-9	21-1	14-7	15-2	311-8	331-9	7-0	70-0	12-2	29-
12-3	34-9	3368-3	675-0	6-4	1-1	224-0	20-2	14-2	14-3	312-0	330-0	6-2	69-1	13-5	31-
13-2	41-7	3678-5	650-0	7-0	-13-5	219-3	17-2	10-5	13-3	310-9	325-1	2-6	27-4	14-9	32-
14-6	44-5	3729-3	625-0	4-3	-13-0	215-4	18-5	10-7	15-0	317-3	324-0	2-1	25-3	16-3	32-
15-7	47-3	4123-4	600-0	1-9	-17-8	209-1	20-4	9-9	17-0	318-3	323-0	1-6	21-4	17-0	32-
16-9	50-3	4671-1	575-0	-0-7	-25-9	204-3	21-9	9-0	20-0	319-2	322-0	0-0	12-9	19-2	32-
19-0	56-4	5324-9	550-0	-2-6	-27-8	204-5	20-7	8-6	18-9	321-0	321-0	0-7	12-3	20-5	31-
20-3	54-5	5772-6	500-0	-5-4	-29-7	203-3	21-4	8-5	19-7	322-0	324-1	0-6	12-6	21-0	31-
21-2	62-0	6108-0	475-0	-11-3	-24-5	215-1	20-5	11-0	16-7	323-9	326-6	0-8	22-5	24-5	31-
22-3	66-1	6790-5	450-0	-14-0	-33-3	211-5	21-7	11-3	18-5	325-0	327-4	0-5	17-0	25-0	31-
23-5	69-6	7011-5	425-0	-17-6	-38-0	209-7	23-5	11-7	20-5	326-4	327-0	0-4	10-0	27-6	31-
25-1	73-1	7467-4	400-0	-20-2	-41-3	210-4	23-4	11-0	20-2	328-7	329-6	0-3	13-2	29-6	31-
26-7	76-7	7938-2	375-0	-23-7	-44-9	209-7	25-5	12-6	22-1	330-2	330-9	0-2	12-1	32-1	31-
29-2	80-0	8437-6	350-0	-28-4	-47-4	213-3	23-9	13-1	20-0	330-5	331-0	0-1	14-1	34-3	31-
29-9	84-5	8903-7	325-0	-32-5	-50-6	215-2	23-0	13-3	18-0	331-8	332-3	0-1	14-5	36-3	31-
31-1	84-7	9523-3	300-0	-36-0	-53-0	216-1	23-2	13-7	18-7	333-5	333-9	0-1	14-9	38-3	31-
32-6	93-0	10119-1	275-0	-41-5	-59-0	213-0	23-5	13-0	19-5	335-1	339-9	0-0	09-0	42-3	31-
34-0	97-6	10750-4	250-0	-47-2	-66-0	213-2	22-4	12-3	18-7	336-0	339-9	0-0	09-0	43-0	31-
36-0	102-4	11448-1	225-0	-51-8	-69-9	219-1	22-9	14-4	17-0	339-1	339-9	0-0	09-0	45-7	32-
38-7	107-5	12201-5	200-0	-57-4	-74-0	229-4	22-0	17-3	16-9	341-0	339-9	0-0	09-0	49-0	32-
42-7	113-3	13022-5	175-0	-61-0	-79-7	211-0	17-3	7-9	4-2	340-3	339-9	0-0	09-0	50-6	33-
42-3	119-5	13208-0	150-0	-64-0	-84-0	09-0	09-0	0-0	18-0	350-5	339-9	0-0	09-0	51-2	33-
44-6	126-5	15095-0	125-0	-68-4	-89-0	09-0	09-0	0-0	09-0	370-0	09-0	0-0	09-0	53-6	30-
46-6	133-8	16481-2	100-0	-68-0	-89-0	09-0	09-0	0-0	09-0	400-2	09-0	0-0	09-0	09-0	09-0
47-9	09-7	09-0	75-0	-69-9	-90-9	09-0	09-0	0-0	09-0	09-0	09-0	0-0	09-0	09-0	09-0
49-0	04-9	09-0	50-0	-94-9	-94-9	09-0	09-0	0-0	09-0	09-0	09-0	0-0	09-0	09-0	09-0
00-0	00-0	09-0	25-0	-99-0	-99-0	09-0	09-0	0-0	09-0	09-0	09-0	0-0	09-0	09-0	09-0

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 04 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 26  
 FT. SILL, OKLAHOMA  
 10 MAY 1979  
 1105 GMT

TIME MIN	CNCT	HEIGHT GPH	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DEG K	E POT T DEG K	KX RTO GM/KG	RM PCT	RANGE KM	AZ DEG
00	99	101.0	982.2	22.1	20.4	160.8	6.0	-2.1	5.6	290.5	340.2	15.9	90.8	0.0	0
00	99	100.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00	99	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	11.1	472.7	950.0	22.4	20.9	160.3	14.3	-2.9	14.0	299.9	343.7	16.3	91.0	0.3	342
11	11.4	705.6	925.0	21.8	20.1	175.7	17.3	-1.3	17.3	301.6	345.9	16.3	90.0	0.9	342
19	13.8	963.2	900.0	20.8	19.1	188.6	16.3	2.4	16.1	302.9	348.8	15.7	89.9	1.8	359
28	18.2	1186.3	875.0	19.1	17.6	209.7	14.2	5.1	13.2	303.7	353.2	14.7	91.1	2.5	1
36	20.6	1438.2	850.0	18.1	17.0	209.7	14.2	7.1	12.4	305.2	363.6	14.6	93.3	3.1	6
43	23.1	1694.6	825.0	17.1	15.8	215.3	15.0	8.7	12.2	306.7	365.4	13.8	92.0	3.7	11
51	25.6	1957.3	800.0	15.3	14.0	221.7	15.9	10.3	11.6	307.4	362.3	12.7	92.0	4.4	15
61	28.1	2224.5	775.0	13.3	12.0	225.2	15.8	11.1	11.0	308.1	340.0	11.5	91.8	5.2	28
72	30.7	2522.7	750.0	11.4	10.3	222.8	15.5	10.5	11.4	309.0	338.6	10.6	92.8	6.1	24
80	33.2	2786.2	725.0	9.6	8.7	219.6	13.2	9.7	11.8	310.2	337.8	9.8	92.6	6.8	28
89	35.9	3072.7	700.0	8.2	7.1	221.7	18.6	11.1	12.4	311.6	337.5	9.1	92.8	7.6	27
97	38.6	3378.2	675.0	6.6	5.6	223.9	19.4	13.0	16.4	313.0	337.6	8.5	93.4	8.4	29
105	41.3	3687.1	650.0	4.1	-0.7	215.3	21.4	13.0	17.4	313.9	326.8	3.6	66.6	9.5	30
116	44.2	4006.0	625.0	2.0	-2.9	215.3	21.4	12.2	18.1	315.9	326.2	3.4	66.6	10.9	30
124	47.1	4335.1	600.0	0.3	-25.4	216.2	22.4	13.6	17.4	316.5	319.2	0.8	11.6	12.5	31
132	50.0	4674.3	575.0	-1.7	-27.6	216.2	22.4	12.5	16.7	318.0	320.4	0.7	11.6	14.0	32
141	53.0	5027.0	550.0	-2.4	-51.5	216.8	26.7	16.0	21.4	321.2	321.4	0.1	1.0	15.0	33
149	56.1	5396.6	525.0	-3.4	-53.4	216.2	28.2	15.9	23.3	321.9	322.1	0.0	1.0	17.8	33
157	59.3	5775.6	500.0	-5.4	-55.2	216.2	28.2	15.1	21.0	322.8	323.0	0.2	1.0	19.5	33
165	62.6	6170.8	475.0	-8.8	-63.5	219.8	28.5	18.2	21.9	323.3	326.8	0.2	5.3	22.0	33
173	65.7	6592.1	450.0	-10.8	-21.1	226.2	29.5	20.6	21.1	329.6	329.8	1.6	59.1	24.4	34
181	68.9	7015.0	425.0	-15.4	-59.7	219.8	27.0	14.9	23.5	329.2	329.3	0.0	1.0	26.7	35
189	72.5	7464.1	400.0	-19.5	-55.4	211.9	27.4	14.0	23.0	329.7	330.0	0.1	3.2	28.0	35
197	76.1	7947.2	375.0	-24.2	-34.1	212.4	29.5	15.8	24.9	329.6	331.6	0.6	39.7	31.9	35
205	80.0	8433.7	350.0	-28.2	-33.5	216.3	29.7	17.6	23.9	330.8	333.1	0.6	60.1	34.6	35
213	84.0	8970.8	325.0	-32.7	-38.4	217.6	29.2	17.6	23.2	331.7	333.2	0.6	56.4	37.5	35
221	88.0	9539.7	300.0	-36.7	-45.4	216.9	26.2	15.0	21.5	333.7	335.5	0.2	39.4	40.8	35
229	92.2	10120.3	275.0	-41.6	-99.9	219.7	21.7	11.1	18.7	336.3	339.9	99.9	99.9	43.5	35
237	96.7	10765.5	250.0	-47.0	-99.9	207.4	23.3	10.7	20.7	336.3	349.9	99.9	99.9	46.3	34
245	101.6	11455.4	225.0	-52.9	-99.9	210.4	24.1	12.2	20.8	337.5	349.9	99.9	99.9	49.5	34
253	106.6	12200.0	200.0	-58.8	-99.9	213.3	24.8	14.7	21.4	337.9	349.9	99.9	99.9	52.6	34
261	112.0	13022.7	175.0	-65.4	-99.9	216.7	24.9	21.7	20.5	342.0	349.9	99.9	99.9	55.9	34
269	117.5	13974.9	150.0	-61.1	-99.9	232.7	33.6	26.7	20.3	344.8	349.9	99.9	99.9	61.5	34
277	123.8	15099.1	125.0	-63.9	-99.9	219.3	30.1	19.0	23.3	349.3	349.9	99.9	99.9	68.1	37
285	130.3	16470.7	100.0	-61.6	-99.9	99.9	99.9	99.9	99.9	688.7	349.9	99.9	99.9	99.9	99.9
293	137.9	18000.0	75.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
301	145.9	19700.0	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
309	154.0	21600.0	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 29  
GAGE, OKLAHOMA  
MAY 11 1105 GMT 1979

TIME MIN	CMTCY	HEIGHT GPM	PHES 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 RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13.5	578.0	922.4	20.0	16.8	190.0	5.1	0.9	5.0	300.0	335.2	13.2	82.0	0.0	0.
00.2	97.3	93.7	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00.4	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	999.9
00.6	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	999.9
00.8	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	999.9
01.0	15.6	971.1	900.0	19.9	18.0	99.9	99.9	99.9	99.9	302.1	341.2	13.7	88.8	99.9	999.9
1.3	18.1	1134.2	875.0	17.7	16.7	99.9	99.9	99.9	99.9	302.2	339.2	13.8	93.4	999.9	999.9
2.1	20.6	1184.6	850.0	15.9	15.1	207.9	24.9	11.4	22.0	302.6	337.4	14.0	94.8	2.6	10.
2.9	21.2	1637.0	825.0	15.5	14.0	217.7	27.5	10.8	21.7	305.0	336.5	12.3	90.3	3.6	18.
3.4	23.8	1498.3	800.0	15.5	6.5	224.9	27.7	19.5	19.6	307.7	332.3	8.8	63.2	5.0	25.
4.4	25.3	1652.7	775.0	17.7	4.6	220.7	29.9	19.5	22.6	312.9	332.9	6.9	41.7	8.7	30.
5.9	31.0	2447.0	750.0	16.3	3.5	215.5	27.7	16.1	22.6	314.3	333.6	6.6	42.4	8.6	32.
7.0	33.7	2735.9	725.0	13.0	2.1	212.0	28.7	15.2	24.4	313.7	331.7	6.2	47.4	10.4	32.
8.2	36.4	3029.6	700.0	10.9	-3.8	208.7	26.6	12.6	23.3	314.6	327.0	6.1	35.3	12.4	32.
9.5	39.2	3324.0	675.0	9.8	-13.5	205.4	26.38	11.3	23.8	316.6	322.9	2.0	17.8	14.5	31.
11.1	47.1	3943.7	650.0	7.5	-20.3	203.1	25.38	10.0	23.4	317.4	321.3	1.2	11.7	16.8	30.
12.4	44.7	3768.7	625.0	4.4	-23.2	203.9	26.38	10.7	24.0	317.9	321.1	0.9	11.0	19.0	29.
13.9	48.0	4295.8	600.0	1.8	-23.3	202.7	27.18	10.4	25.0	318.2	321.5	1.0	13.4	21.1	29.
15.0	51.0	4536.9	575.0	-1.6	-23.5	204.1	23.08	9.4	21.0	318.2	321.5	1.0	16.8	23.0	28.
16.4	54.1	4799.1	550.0	-4.5	-24.2	206.5	24.18	10.8	21.6	318.7	322.0	1.0	19.7	24.9	28.
17.8	57.3	5031.8	525.0	-6.9	-24.3	202.9	23.24	9.0	21.4	320.1	323.5	1.0	23.4	27.0	28.
19.4	60.5	5272.5	500.0	-9.9	-22.4	197.2	23.28	6.8	22.1	321.0	325.2	1.3	35.2	29.1	27.
21.1	63.9	5526.1	475.0	-12.7	-22.1	196.4	24.78	7.0	23.7	322.3	326.6	1.4	45.2	31.9	26.
23.2	67.3	5786.3	450.0	-15.9	-23.2	202.6	25.08	9.6	23.1	323.2	327.6	1.3	53.3	34.7	26.
25.0	70.9	6048.0	425.0	-17.8	-26.0	206.2	23.98	10.6	21.4	323.6	327.2	1.1	57.5	37.3	26.
26.8	74.4	7411.5	400.0	-22.9	-28.6	209.9	27.58	13.7	23.9	325.3	328.3	0.9	59.4	39.9	26.
28.3	78.3	7682.7	375.0	-25.9	-37.1	216.7	27.68	16.5	22.1	327.4	328.8	0.4	33.8	42.4	26.
30.5	82.1	8379.3	350.0	-29.1	-39.4	214.9	27.58	15.8	22.6	329.5	330.8	0.4	36.0	46.2	27.
33.5	86.2	9038.7	325.0	-33.5	-49.4	214.1	24.98	14.0	20.7	330.5	331.0	0.1	18.4	50.5	28.
36.5	90.5	9461.3	300.0	-38.4	-51.1	215.7	29.68	17.2	24.0	331.3	331.7	0.1	26.6	54.4	28.
39.6	95.0	10052.5	275.0	-43.3	99.9	226.2	28.48	20.5	19.7	332.5	332.5	99.9	999.9	59.3	29.
43.1	99.6	10646.8	250.0	-48.5	99.9	225.8	35.18	25.2	24.5	333.9	333.9	99.9	999.9	63.8	30.
46.2	104.8	11370.6	225.0	-54.5	99.9	222.9	40.18	27.3	29.3	335.0	335.0	99.9	999.9	69.3	32.
48.2	109.8	12117.1	200.0	-54.7	99.9	221.7	36.68	24.4	27.4	336.7	336.7	99.9	999.9	79.4	33.
51.3	115.3	12958.1	175.0	-61.9	99.9	221.2	37.68	24.8	28.3	347.4	347.4	99.9	999.9	86.1	33.
53.7	121.8	13895.2	150.0	-61.3	99.9	227.1	33.08	24.2	22.5	348.5	348.5	99.9	999.9	93.7	35.
56.7	128.7	15334.5	125.0	-60.4	99.9	227.7	26.68	19.7	17.9	350.6	350.6	99.9	999.9	103.4	35.
60.4	136.3	16426.0	100.0	-59.1	99.9	99.9	99.9	99.9	99.9	413.5	413.5	99.9	999.9	999.9	999.9
64.9	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	999.9
90.2	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	999.9
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	999.9

° 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. 29  
GAGE, OKLAHOMA

9 MAY 1979  
1410 GMT

122 99. 0

TIME M14	CHECK	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIP DG	SPEED M/SEC	U CURP M/SEC	V CURP M/SEC	POT T DG K	E POT T DG K	WZ RID CM/PG	RH PCT	RANGE KM	AZ DG
0.2	15.3	678.0	923.5	22.3	17.4	170.0	10.3	-1.0	10.1	302.3	337.1	1.7	74.0	0.0	0.
94.2	99.2	90.9	1000.0	99.2	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	979.
94.3	94.9	94.9	975.0	99.9	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
99.4	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
99.4	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.9	17.3	890.6	900.0	18.5	99.9	186.5	15.6	1.8	15.5	300.6	999.9	99.9	99.9	0.7	354.
1.9	19.6	1139.9	875.0	17.2	99.9	201.8	18.2	6.8	16.9	301.7	999.9	99.9	99.9	1.7	4.
2.9	24.1	1385.0	850.0	17.0	99.9	222.2	18.5	12.4	13.7	304.0	999.9	99.9	99.9	2.7	16.
3.9	24.5	1619.3	825.0	15.9	99.9	237.2	17.9	15.0	9.7	305.4	999.9	99.9	99.9	3.0	26.
5.1	27.0	1792.1	800.0	15.0	99.9	244.3	17.0	15.3	7.4	307.1	999.9	99.9	99.9	4.7	35.
6.2	29.5	2106.1	775.0	12.7	99.9	239.5	18.4	15.9	9.4	307.5	999.9	99.9	99.9	5.8	40.
7.3	32.0	2419.7	750.0	11.3	99.9	226.1	13.5	9.7	9.4	308.9	999.9	99.9	99.9	6.9	63.
8.5	34.6	2723.1	725.0	12.4	99.9	205.1	14.5	6.2	13.2	313.0	999.9	99.9	99.9	7.7	62.
9.7	37.2	3115.9	700.0	11.7	99.9	205.3	18.8	8.4	17.9	315.4	999.9	99.9	99.9	8.9	39.
11.2	39.7	3318.4	675.0	10.4	99.9	208.4	23.8	12.7	22.5	317.3	999.9	99.9	99.9	10.7	37.
12.6	42.6	3631.0	650.0	8.7	99.9	208.9	28.4	13.7	23.9	318.8	999.9	99.9	99.9	13.3	36.
14.1	45.4	3953.1	625.0	5.6	99.9	206.0	28.8	12.6	25.9	316.9	99.9	99.9	99.9	15.8	34.
15.5	49.1	4274.5	600.0	2.7	99.9	202.0	30.0	11.3	27.8	319.2	999.9	99.9	99.9	18.3	33.
17.1	51.2	4626.0	575.0	-1.1	99.9	196.9	28.5	8.3	31.3	318.7	999.9	99.9	99.9	21.1	31.
19.6	54.1	4978.6	550.0	-3.6	99.9	203.1	34.4	13.5	31.7	319.9	999.9	99.9	99.9	23.6	30.
19.6	57.1	5336.1	525.0	-6.3	99.9	206.1	33.46	14.7	30.0	320.9	999.9	99.9	99.9	25.7	29.
21.1	60.3	5723.0	500.0	-9.8	99.9	202.9	32.69	11.2	29.5	321.1	999.9	99.9	99.9	28.5	29.
23.1	63.5	6116.7	475.0	-12.6	99.9	206.2	32.69	14.4	29.2	322.4	999.9	99.9	99.9	31.8	28.
24.6	66.9	6526.7	450.0	-16.0	99.9	209.9	32.49	16.1	28.1	323.2	999.9	99.9	99.9	35.0	28.
26.2	70.1	6956.5	425.0	-19.5	99.9	208.8	28.08	13.5	24.9	324.0	999.9	99.9	99.9	38.0	28.
28.2	73.7	7431.1	400.0	-23.2	99.9	209.6	28.68	13.1	23.1	324.8	999.9	99.9	99.9	43.7	29.
29.8	77.3	7870.0	375.0	-26.5	99.9	214.7	28.39	15.0	21.6	326.5	999.9	99.9	99.9	43.8	29.
32.1	81.2	8366.9	350.0	-29.9	99.9	216.0	27.88	16.3	22.5	328.4	999.9	99.9	99.9	47.1	29.
34.4	85.2	8859.4	325.0	-34.0	99.9	214.9	28.24	16.1	23.1	329.9	999.9	99.9	99.9	51.0	30.
36.7	89.2	9445.2	300.0	-38.1	99.9	217.2	30.68	18.5	24.3	331.7	999.9	99.9	99.9	55.0	30.
37.2	93.6	10036.4	275.0	-43.7	99.9	217.5	33.09	21.9	25.5	331.9	999.9	99.9	99.9	59.9	31.
41.0	98.2	10670.1	250.0	-49.2	99.9	218.5	35.14	21.5	32.9	332.9	999.9	99.9	99.9	65.7	31.
44.7	103.2	11352.3	225.0	-55.2	99.9	217.4	35.14	21.3	27.9	334.0	999.9	99.9	99.9	72.0	32.
47.9	108.4	12044.2	200.0	-61.1	99.9	223.4	35.94	24.7	27.9	336.1	999.9	99.9	99.9	78.2	32.
51.3	114.0	12849.6	175.0	-68.7	99.9	227.8	38.38	28.3	25.7	339.7	999.9	99.9	99.9	86.2	34.
55.1	120.5	13805.0	150.0	-78.4	99.9	218.1	35.78	20.2	23.7	349.4	999.9	99.9	99.9	94.4	35.
59.6	127.7	14925.9	125.0	-82.1	99.9	219.2	32.39	17.3	21.2	362.4	999.9	99.9	99.9	104.5	35.
65.6	135.7	16399.9	100.0	-82.4	99.9	999.9	99.9	99.9	99.9	407.1	999.9	99.9	99.9	999.9	999.
70.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
74.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
80.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

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

STATION NO. 29  
 GAGE, OKLAHOMA  
 9 MAY 1979  
 1705 GMT

TIME MT.	CATY	WEIGHT G/M	PRES MB	TEMP C	DEP PT DG L	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR STD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	11.9	678.0	924.8	22.2	15.0	330.0	3.6	1.0	-3.1	302.0	330.2	12.3	67.0	0.0	0.
0.9	94.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	97.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	97.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	97.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	14.1	912.4	923.0	17.8	15.3	99.9	99.9	99.9	99.9	299.9	332.7	12.3	65.1	99.9	99.9
1.9	16.3	1154.7	875.0	16.9	15.9	99.9	99.9	99.9	99.9	301.4	336.5	13.1	93.4	0.2	134.
2.4	18.6	1402.7	850.0	15.9	15.3	198.7	99.9	3.0	8.8	302.9	337.8	13.0	95.8	0.3	62.
3.1	20.9	1657.7	825.0	14.5	13.7	201.7	10.6	3.9	9.9	308.0	337.1	12.2	95.7	0.7	37.
3.4	23.2	1918.1	800.0	13.5	12.4	205.1	11.0	4.7	10.0	305.6	337.0	11.5	93.2	1.1	31.
4.4	25.5	2195.2	775.0	11.4	8.6	213.2	11.6	6.3	9.7	306.1	331.4	9.1	12.9	1.8	30.
5.9	27.9	2494.4	750.0	10.3	7.4	218.6	12.9	7.1	10.7	307.7	332.0	8.7	8.3	2.5	31.
6.9	30.3	2741.5	725.0	9.8	-6.0	210.2	16.9	8.5	14.6	310.2	329.7	3.5	34.5	3.4	32.
7.4	32.9	3133.1	700.0	9.5	-15.1	231.7	19.8	7.3	18.4	313.0	318.3	1.7	15.9	4.5	30.
8.4	35.3	3333.6	675.0	8.2	-16.6	199.9	23.7	8.0	22.3	314.9	319.8	1.5	15.3	5.8	28.
9.4	37.7	3643.5	650.0	5.7	-19.7	200.4	27.4	9.6	25.7	315.4	319.7	1.3	15.3	7.2	26.
10.4	40.1	3963.4	625.0	4.3	-23.5	201.3	30.9	11.2	28.8	317.3	320.4	0.9	11.0	9.3	25.
12.3	43.7	4233.4	600.0	1.4	-30.9	202.0	31.1	11.7	28.8	317.7	319.4	0.5	6.8	11.0	24.
13.7	45.9	4516.9	575.0	-1.2	-32.5	197.2	31.3	9.6	29.7	318.4	320.1	0.4	7.1	14.4	24.
15.3	48.5	4806.9	550.0	-4.2	-29.4	194.8	33.7	8.6	32.6	319.1	321.2	0.6	11.8	17.0	22.
16.3	51.3	5151.2	525.0	-7.3	-32.0	200.2	32.3	11.1	30.0	319.7	321.4	0.5	11.8	19.7	22.
17.7	54.2	5729.7	500.0	-9.8	-35.3	203.9	29.4	11.9	26.8	321.2	322.4	0.4	9.8	22.1	22.
19.1	57.1	6122.9	475.0	-12.6	-31.5	206.1	29.8	13.1	26.8	322.4	324.4	0.4	19.2	24.6	22.
21.4	60.2	6533.0	450.0	-16.1	-28.2	208.6	31.2	14.9	27.6	323.0	326.4	1.0	41.4	27.6	23.
22.9	63.3	6940.5	425.0	-19.7	-27.2	210.3	29.2	14.7	25.2	323.7	327.0	1.0	51.2	30.6	23.
25.4	66.5	7407.4	400.0	-22.7	-34.4	211.6	32.5	17.0	27.7	325.4	327.3	0.5	33.3	33.1	24.
27.4	69.9	7978.7	375.0	-25.5	-41.0	213.7	33.3	17.0	28.6	327.8	328.9	0.2	16.3	36.3	24.
28.9	73.3	8375.8	350.0	-28.8	-46.7	211.9	33.2	17.5	28.2	329.9	330.5	0.2	16.3	38.2	24.
30.5	76.9	8901.1	325.0	-33.5	-55.1	214.8	34.0	19.4	27.9	330.5	330.7	0.1	9.3	42.5	26.
32.4	80.5	9457.3	300.0	-39.5	-56.7	217.8	35.0	21.5	27.7	331.1	331.4	0.1	12.5	45.8	27.
34.6	84.5	10049.4	275.0	-44.0	-59.9	219.9	33.7	21.6	25.6	331.6	99.9	99.9	99.9	53.2	28.
36.7	89.7	10743.4	250.0	-48.8	-64.9	218.0	35.7	22.0	26.1	333.5	99.9	99.9	99.9	54.9	29.
37.4	91.3	11363.4	225.0	-54.9	-68.9	216.5	41.6	24.7	33.5	334.1	99.9	99.9	99.9	60.8	29.
40.2	97.7	12137.2	200.0	-60.3	-69.9	224.4	35.6	27.0	27.6	337.3	99.9	99.9	99.9	67.4	30.
43.4	102.6	12930.5	175.0	-61.4	-69.9	226.6	41.3	30.1	28.2	346.0	99.9	99.9	99.9	74.0	32.
46.4	108.3	13899.8	150.0	-56.0	-69.9	223.3	27.8	28.0	21.2	372.0	99.9	99.9	99.9	82.7	33.
51.6	114.5	15245.1	125.0	-60.5	-69.9	218.8	31.8	25.0	24.8	395.4	99.9	99.9	99.9	90.5	34.
57.2	121.3	16429.5	100.0	-62.4	-62.4	99.9	99.9	99.9	99.9	437.2	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	-64.9	-64.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	50.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 29  
GAGE, OKLAHOMA  
9 MAY 1979  
2011 GMT

110 100. 0

TIME	CHTCF	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	WX RTO	RM	RANGE	AZ
MIN		SPM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/KG	PCT	KM	DEG
00	18.2	678.0	923.7	23.7	14.7	160.0	2.6	0.0	-2.6	303.7	338.9	11.5	57.0	0.0	0.0
01	19.9	99.9	1300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	19.9	99.9	973.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	19.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
04	19.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
05	16.3	404.6	900.0	21.2	15.3	66.6	4.1	-3.8	-1.6	303.4	336.5	12.3	68.8	0.6	211.
06	18.5	1168.2	875.0	19.3	15.2	102.2	5.0	-4.9	1.1	303.0	337.7	12.5	77.2	0.9	248.
07	20.6	1397.6	850.0	17.8	14.6	131.6	6.9	-3.9	8.0	304.8	339.7	12.4	81.6	0.7	287.
08	22.9	1653.9	823.0	16.6	13.7	168.8	12.9	-2.5	12.7	307.2	340.5	12.1	78.0	1.1	307.
09	24.2	1917.0	800.0	15.7	11.8	177.7	14.4	-0.6	16.6	307.3	338.4	11.8	77.5	1.6	316.
10	25.7	2180.0	775.0	13.6	11.1	182.6	13.9	0.6	13.9	308.5	330.5	10.8	84.6	2.2	329.
11	24.9	2452.3	750.0	11.0	9.9	196.5	13.9	3.9	13.3	308.5	337.2	10.3	92.8	2.8	338.
12	24.3	2745.2	725.0	9.1	7.8	202.0	15.6	5.8	14.4	309.4	335.5	9.3	92.0	3.5	348.
13	24.7	3035.7	700.0	7.4	4.5	197.1	19.2	5.6	18.3	310.7	332.4	7.6	81.8	4.4	355.
14	27.2	3335.4	675.0	6.8	-13.3	99.9	99.9	99.9	99.9	313.2	319.6	2.0	22.3	99.9	99.9
15	34.7	3688.9	650.0	5.7	99.9	99.9	99.9	99.9	99.9	315.6	99.9	99.9	99.9	99.9	99.9
16	42.3	4068.1	625.0	3.4	99.9	99.9	99.9	99.9	99.9	316.3	99.9	99.9	99.9	99.9	99.9
17	48.9	4493.4	600.0	1.2	-25.6	99.9	99.9	99.9	99.9	317.6	320.2	0.8	11.3	99.9	99.9
18	54.5	4934.2	575.0	-1.1	-27.3	99.9	99.9	99.9	99.9	318.7	321.1	0.7	11.5	99.9	99.9
19	59.3	5386.3	550.0	-3.8	-27.0	99.9	99.9	99.9	99.9	319.6	322.1	0.8	16.4	99.9	99.9
20	64.1	5850.7	525.0	-6.3	-28.7	202.9	32.0	12.4	29.5	320.9	323.1	0.7	18.6	19.8	16.
21	68.9	6318.0	500.0	-8.4	-31.2	202.9	32.0	13.7	30.5	321.6	323.6	0.6	18.9	22.7	17.
22	73.7	6788.9	475.0	-10.3	-28.8	207.7	32.7	15.2	28.9	322.7	325.3	0.7	23.7	25.7	18.
23	78.5	7262.9	450.0	-12.0	-26.0	211.3	32.2	18.7	27.5	323.1	326.7	1.0	43.2	28.6	19.
24	83.3	7740.9	425.0	-14.0	-20.1	215.3	32.3	18.7	26.3	323.4	327.0	1.1	57.6	31.8	20.
25	88.1	8222.9	400.0	-16.0	-20.9	214.2	34.8	19.5	24.8	325.5	328.2	0.8	51.7	33.7	21.
26	92.9	8708.9	375.0	-18.3	-35.7	212.8	35.2	19.1	24.6	329.1	329.8	0.5	36.3	37.0	22.
27	97.7	9198.9	350.0	-20.3	-38.8	212.4	35.7	19.1	30.1	329.5	331.5	0.6	57.9	40.5	23.
28	102.5	9690.9	325.0	-22.4	-38.8	212.4	35.7	20.5	29.0	330.7	332.2	0.4	59.1	44.2	24.
29	107.3	10184.9	300.0	-24.4	-39.6	212.4	35.5	20.5	28.5	330.7	332.2	0.2	35.0	48.6	25.
30	112.1	10680.9	275.0	-26.4	-47.6	220.1	38.69	24.9	26.5	331.8	99.9	99.9	99.9	53.4	27.
31	116.9	11178.9	250.0	-28.4	99.9	225.6	38.48	27.5	26.9	331.8	99.9	99.9	99.9	58.5	29.
32	121.7	11678.9	225.0	-30.4	99.9	223.5	37.18	25.6	26.9	333.9	99.9	99.9	99.9	63.9	30.
33	126.5	12180.9	200.0	-32.4	99.9	226.8	34.58	25.2	23.6	335.2	99.9	99.9	99.9	70.0	32.
34	131.3	12682.9	175.0	-34.4	99.9	230.8	35.94	27.8	22.7	337.8	99.9	99.9	99.9	77.5	34.
35	136.1	13184.9	150.0	-36.4	99.9	231.5	40.58	31.7	25.2	343.1	99.9	99.9	99.9	85.8	35.
36	140.9	13686.9	125.0	-38.4	99.9	221.0	40.68	29.5	30.5	369.6	99.9	99.9	99.9	95.0	38.
37	145.7	14188.9	100.0	-40.4	99.9	221.0	35.78	26.9	26.9	407.8	99.9	99.9	99.9	99.9	99.9
38	150.5	14690.9	75.0	-42.4	99.9	99.9	99.9	99.9	99.9	407.8	99.9	99.9	99.9	99.9	99.9
39	155.3	15192.9	50.0	-44.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40	160.1	15694.9	25.0	-46.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
41	164.9	16196.9	0.0	-48.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
42	169.7	16698.9	0.0	-50.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
43	174.5	17200.9	0.0	-52.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
44	179.3	17702.9	0.0	-54.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
45	184.1	18204.9	0.0	-56.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
46	188.9	18706.9	0.0	-58.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
47	193.7	19208.9	0.0	-60.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
48	198.5	19710.9	0.0	-62.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
49	203.3	20212.9	0.0	-64.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50	208.1	20714.9	0.0	-66.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
51	212.9	21216.9	0.0	-68.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
52	217.7	21718.9	0.0	-70.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
53	222.5	22220.9	0.0	-72.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
54	227.3	22722.9	0.0	-74.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
55	232.1	23224.9	0.0	-76.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
56	236.9	23726.9	0.0	-78.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
57	241.7	24228.9	0.0	-80.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
58	246.5	24730.9	0.0	-82.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59	251.3	25232.9	0.0	-84.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
60	256.1	25734.9	0.0	-86.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 18 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TMRK HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELE ANGLE LESS THAN 6 DEG

STATION NO. 29  
 GAGE, OKLAHOMA  
 9 MAY 1979  
 2303 GMT

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TIME MIN	CHPT	HLIGHT GPM	PHS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POI T DG K	MR RTO CM/KG	RM PCT	RANGE KM	AZ DG
00	11.0	678.0	920.4	23.8	17.1	150.0	6.7	-3.4	5.8	308.1	340.5	13.5	66.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.1	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.2	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.3	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.4	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.5	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.6	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.7	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.8	99.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
00.9	99.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.0	99.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.1	99.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.2	99.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.3	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.4	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.5	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.6	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.7	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.8	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
01.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.0	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.1	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.2	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.3	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.4	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.5	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.6	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.7	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.8	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
02.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.0	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.1	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.2	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.3	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.4	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.5	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.6	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.7	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.8	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
03.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
04.0	99.9	99.9	0.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

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

STATION NO. 29  
GAGE, OLLAHOBA

10 MAY 1979 009 GMT

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TIME MIN	CNTCT	WEIGHT GPM	PRES WB	TEMP DG C	DEM PT DG L	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	11.5	678.0	928.9	6.7	5.0	300.0	7.7	2.6	-7.2	285.0	301.2	5.9	89.0	0.0	0.
0.2	09.9	99.9	1002.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
0.4	09.9	99.9	973.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
0.6	09.9	99.9	953.0	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9	09.9
0.8	11.9	712.6	925.0	6.3	4.8	350.2	11.4	1.9	-11.9	285.7	301.0	5.9	90.5	0.3	210.
1.0	14.3	936.9	909.0	6.6	4.7	353.6	12.0	1.3	-11.9	286.5	302.1	6.0	99.0	0.7	177.
1.2	16.7	1167.5	872.0	6.6	6.4	345.3	8.7	2.2	-8.4	290.6	309.9	7.0	99.3	1.3	176.
1.4	19.1	1426.9	850.0	6.1	8.0	292.6	6.4	5.5	-2.5	296.4	315.9	8.0	99.5	1.6	172.
1.6	21.5	1656.3	823.0	9.1	9.1	271.2	8.7	8.7	-8.2	288.2	322.0	8.8	90.6	1.7	160.
1.8	23.9	1915.9	808.0	10.3	10.3	252.6	10.4	9.9	-8.2	288.2	322.0	9.9	100.0	1.9	145.
2.0	26.3	2175.9	775.0	9.9	9.9	235.4	13.1	10.8	7.5	334.5	331.8	10.0	100.8	2.0	128.
2.2	28.7	2441.4	750.0	9.2	3.1	223.3	17.1	11.7	12.4	306.6	324.8	6.4	65.4	2.3	108.
2.4	31.1	2711.2	725.0	9.9	5.4	216.2	19.7	11.6	15.9	310.3	332.5	7.8	73.4	3.0	85.
2.6	33.5	2981.0	700.0	9.4	3.7	210.1	28.5	10.3	17.7	311.9	332.6	7.2	72.2	3.0	71.
2.8	35.9	3250.8	675.0	6.4	0.5	207.5	28.6	9.5	18.3	312.8	330.0	5.9	66.0	4.9	60.
3.0	38.3	3520.6	650.0	3.7	-1.3	208.2	28.4	9.6	18.0	313.1	328.9	5.4	69.9	0.1	53.
3.2	40.7	3790.4	625.0	1.3	-2.1	204.6	18.6	9.7	17.0	313.9	329.5	5.3	78.0	7.2	49.
3.4	43.1	4060.2	600.0	-0.8	-7.9	213.1	19.5	10.8	16.2	315.2	326.0	3.5	59.8	0.4	47.
3.6	45.5	4330.0	575.0	-2.3	-34.5	214.1	19.2	10.8	15.9	317.3	318.2	0.3	4.8	9.5	45.
3.8	47.9	4600.0	550.0	-4.6	-51.4	216.5	19.0	11.3	15.3	318.4	316.8	0.1	1.2	10.8	44.
4.0	50.3	4870.0	525.0	-7.7	-54.8	221.9	18.4	12.9	14.4	319.2	319.4	0.0	1.0	12.2	44.
4.2	52.7	5140.0	500.0	-9.2	-55.9	218.6	19.6	11.7	15.8	321.8	321.9	0.0	1.0	13.8	43.
4.4	55.1	5410.0	475.0	-12.2	-57.6	213.3	19.1	10.5	15.9	322.9	323.1	0.0	1.0	15.3	42.
4.6	57.5	5680.0	450.0	-15.6	-59.2	213.5	19.0	10.5	15.9	324.9	325.0	0.0	1.0	17.2	41.
4.8	59.9	5950.0	425.0	-17.9	-60.7	219.5	20.0	12.7	15.4	327.2	327.3	0.0	1.0	19.1	41.
5.0	62.3	6220.0	400.0	-20.4	-62.9	219.5	18.5	11.8	14.3	328.5	326.6	0.0	1.0	21.3	41.
5.2	64.7	6490.0	375.0	-23.0	-65.3	217.2	17.7	10.7	14.1	329.8	329.8	0.0	1.0	23.5	41.
5.4	67.1	6760.0	350.0	-25.0	-67.6	212.3	18.0	9.6	13.2	331.4	331.5	0.0	1.0	25.8	40.
5.6	69.5	7030.0	325.0	-32.0	-70.5	209.8	17.8	8.8	12.5	332.6	332.6	0.0	1.0	28.2	39.
5.8	71.9	7300.0	300.0	-36.7	-73.6	207.3	17.2	7.8	11.5	333.7	333.7	0.0	1.0	30.9	38.
6.0	74.3	7570.0	275.0	-41.9	99.9	207.3	16.3	7.5	10.5	334.6	333.7	0.0	99.9	33.6	37.
6.2	76.7	7840.0	250.0	-47.4	99.9	212.2	15.8	8.9	10.2	335.6	333.7	0.0	99.9	36.4	37.
6.4	79.1	8110.0	225.0	-52.7	99.9	210.5	15.3	9.8	10.6	337.7	333.7	0.0	99.9	39.7	36.
6.6	81.5	8380.0	200.0	-59.4	99.9	210.6	15.0	9.2	10.6	338.7	333.7	0.0	99.9	43.1	36.
6.8	83.9	8650.0	175.0	-67.1	99.9	999.9	99.9	99.9	99.9	339.3	333.7	0.0	99.9	46.4	36.
7.0	86.3	8920.0	150.0	-68.2	99.9	999.9	99.9	99.9	99.9	342.6	333.7	0.0	99.9	49.9	36.
7.2	88.7	9190.0	125.0	-68.9	99.9	99.9	99.9	99.9	99.9	345.6	333.7	0.0	99.9	53.6	36.
7.4	91.1	9460.0	100.0	-69.9	99.9	99.9	99.9	99.9	99.9	348.6	333.7	0.0	99.9	57.3	36.
7.6	93.5	9730.0	75.0	-75.0	99.9	99.9	99.9	99.9	99.9	351.6	333.7	0.0	99.9	61.0	36.
7.8	95.9	10000.0	50.0	-75.0	99.9	99.9	99.9	99.9	99.9	354.6	333.7	0.0	99.9	64.7	36.
8.0	98.3	10270.0	25.0	-75.0	99.9	99.9	99.9	99.9	99.9	357.6	333.7	0.0	99.9	68.4	36.
8.2	100.7	10540.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	360.6	333.7	0.0	99.9	72.1	36.
8.4	103.1	10810.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	363.6	333.7	0.0	99.9	75.8	36.
8.6	105.5	11080.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	366.6	333.7	0.0	99.9	79.5	36.
8.8	107.9	11350.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	369.6	333.7	0.0	99.9	83.2	36.
9.0	110.3	11620.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	372.6	333.7	0.0	99.9	86.9	36.
9.2	112.7	11890.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	375.6	333.7	0.0	99.9	90.6	36.
9.4	115.1	12160.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	378.6	333.7	0.0	99.9	94.3	36.
9.6	117.5	12430.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	381.6	333.7	0.0	99.9	98.0	36.
9.8	119.9	12700.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	384.6	333.7	0.0	99.9	101.7	36.
10.0	122.3	12970.0	0.0	-75.0	99.9	99.9	99.9	99.9	99.9	387.6	333.7	0.0	99.9	105.4	36.

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

STATION NO. 29  
SAGE, OKLAHOMA

10 MAY 1979  
1117 GMT

02 179. 0

TIME MIN	CMJCT	HEIGHT GPM	PRES MB	TEMP DC C	DBP PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT I DC K	E POT I DC K	MR STD CM/KG	RH PCT	RANGE KM	AZ DG
01.0	12.2	678.0	731.2	6.3	5.3	330.0	10.3	5.2	-0.9	265.2	300.8	0.0	93.0	0.0	0.
01.9	91.9	970.0	1030.0	93.0	94.0	93.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
02.0	91.9	970.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
02.1	12.7	732.0	925.0	5.6	4.9	333.8	9.7	4.3	-0.7	283.1	300.4	0.0	95.2	0.2	107.
02.2	15.8	956.0	900.0	3.5	3.3	335.1	9.0	3.8	-0.1	293.1	299.2	0.0	98.6	0.5	167.
02.3	17.1	1104.0	875.0	2.3	2.1	340.3	7.8	2.6	-7.4	290.2	299.7	0.0	98.6	0.9	162.
02.4	14.3	1420.0	953.0	6.5	4.9	355.2	7.6	0.6	-7.4	293.0	310.1	0.0	93.9	1.2	163.
02.5	21.6	1567.0	923.0	9.9	-5.2	348.3	7.5	1.5	-7.4	299.0	310.0	0.0	34.2	1.5	168.
02.6	21.3	1423.0	808.0	10.0	-19.0	314.2	7.8	5.6	-5.5	301.8	335.4	0.0	11.2	1.8	168.
02.7	25.3	2186.0	775.0	8.3	-22.0	286.1	10.6	10.3	-2.6	302.7	335.4	0.0	9.5	2.2	157.
02.8	27.6	2350.0	750.0	8.4	-14.8	255.0	11.6	11.2	3.0	303.7	310.6	0.0	17.6	2.5	180.
02.9	31.1	2735.0	725.0	6.7	-8.7	231.2	11.4	8.9	7.2	306.0	315.0	0.0	32.3	2.6	129.
03.0	31.0	3123.0	700.0	5.0	-3.7	230.3	10.7	8.2	6.6	306.0	320.3	0.0	53.7	2.8	118.
03.1	31.1	3170.0	675.0	3.1	1.0	217.4	16.3	9.9	13.0	309.1	326.7	0.0	86.5	3.0	106.
03.2	31.6	3325.0	650.0	1.0	0.0	210.9	22.0	11.3	10.6	310.1	327.2	0.0	93.2	3.6	88.
03.3	41.2	3337.0	625.0	-0.6	-6.3	205.4	23.8	10.2	21.5	311.6	322.7	0.0	62.2	6.4	72.
03.4	41.7	4266.0	600.0	-1.6	-13.4	200.4	23.1	8.0	21.7	310.3	321.5	0.0	40.8	5.4	61.
03.5	41.7	4266.0	575.0	-0.3	-18.0	206.1	22.0	9.0	20.1	315.3	316.1	0.2	4.9	6.7	52.
03.6	41.7	4266.0	550.0	-0.6	-40.4	208.9	22.0	10.0	14.6	316.5	317.5	0.3	6.4	8.1	47.
03.7	41.1	5114.0	525.0	-0.1	-52.0	206.0	20.5	9.8	18.0	318.8	318.9	0.0	1.0	9.6	40.
03.8	41.0	5491.0	500.0	-10.7	-56.7	212.7	20.1	10.9	16.9	320.0	320.2	0.0	1.0	11.2	42.
03.9	41.3	6383.0	475.0	-13.7	-54.6	216.1	14.7	11.6	16.9	321.1	321.8	0.0	1.0	13.0	41.
04.0	41.3	6383.0	450.0	-17.1	-60.4	215.4	16.9	11.5	16.2	321.8	321.9	0.0	1.0	14.9	41.
04.1	41.3	6383.0	425.0	-20.4	-62.9	216.1	21.4	12.4	17.3	322.8	322.9	0.0	1.0	16.7	40.
04.2	41.3	6383.0	400.0	-23.4	-64.2	218.9	22.6	14.2	17.6	323.9	326.0	0.0	1.0	18.9	40.
04.3	41.3	6383.0	375.0	-26.2	-67.7	217.2	20.7	12.5	16.6	326.0	327.0	0.0	1.0	21.1	40.
04.4	41.3	6383.0	350.0	-29.6	-69.4	213.6	20.1	11.2	16.7	328.8	328.8	0.0	1.0	23.5	39.
04.5	41.3	6383.0	325.0	-33.7	-71.6	212.3	20.6	11.0	17.3	330.3	330.3	0.0	1.0	26.2	38.
04.6	41.3	6383.0	300.0	-38.0	-74.4	207.3	20.1	9.3	17.6	331.9	331.9	0.0	1.0	29.3	38.
04.7	41.3	6383.0	275.0	-42.6	-74.4	202.4	20.8	7.9	18.3	333.6	333.6	0.0	99.0	32.3	36.
04.8	41.3	6383.0	250.0	-47.8	-74.4	205.9	20.1	8.6	18.2	335.3	335.3	0.0	99.0	35.4	35.
04.9	41.3	6383.0	225.0	-53.1	-74.4	206.9	21.8	9.9	16.6	337.2	337.2	0.0	99.0	38.6	34.
05.0	41.3	6383.0	200.0	-59.8	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	42.2	34.
05.1	41.3	6383.0	175.0	-67.0	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	45.8	34.
05.2	41.3	6383.0	150.0	-74.4	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	49.4	34.
05.3	41.3	6383.0	125.0	-81.6	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	53.0	34.
05.4	41.3	6383.0	100.0	-88.8	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	56.6	34.
05.5	41.3	6383.0	75.0	-96.0	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	60.2	34.
05.6	41.3	6383.0	50.0	-103.2	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	63.8	34.
05.7	41.3	6383.0	25.0	-110.4	-74.4	209.9	21.8	9.9	16.6	338.0	338.0	0.0	99.0	67.4	34.

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

STATION NO. 30  
HEALDTON, OKLAHOMA

9 MAY 1979  
1105 GMT

126 90. 0

TIME	CHYCY	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MI RTO	RM	RANGE	AZ
MIN		GPM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/KG	PCY	LN	DEG
00.0	10.2	291.0	970.5	20.9	16.9	150.0	6.2	-3.1	5.9	296.6	329.7	12.6	78.0	0.0	0.
00.2	00.2	99.2	1200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.3	00.2	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.5	12.1	470.2	950.0	23.0	16.9	99.9	99.9	99.9	99.9	297.4	331.3	12.9	82.0	99.9	99.9
1.5	14.5	725.5	925.0	18.3	16.8	99.9	99.9	99.9	99.9	298.1	322.9	13.1	90.0	99.9	99.9
2.3	16.8	981.4	900.0	16.6	16.1	99.9	99.9	99.9	99.9	298.6	322.9	13.6	85.6	99.9	99.9
3.3	19.1	1141.1	875.0	14.5	11.7	99.9	99.9	99.9	99.9	298.9	325.6	10.0	83.3	99.9	99.9
4.1	21.5	1427.7	850.0	12.2	-0.2	99.9	99.9	99.9	99.9	315.3	315.3	6.0	55.1	99.9	99.9
5.3	23.2	1693.4	825.0	10.1	-35.2	99.9	99.9	99.9	99.9	313.0	313.7	0.2	1.0	5.3	359.
5.9	26.4	1947.4	800.0	8.7	-36.7	198.2	23.0	7.2	21.8	314.3	315.0	0.2	1.0	6.8	3.
6.4	28.9	2220.7	775.0	7.5	-38.0	199.4	22.2	7.4	20.9	314.8	315.5	0.2	1.0	8.1	8.
6.7	31.6	2530.9	750.0	6.7	-39.4	200.4	22.6	7.9	21.1	315.3	315.9	0.2	1.0	9.4	8.
6.9	33.9	2787.9	725.0	6.4	-40.8	202.3	22.6	6.4	20.6	315.8	316.4	0.1	1.0	10.7	9.
7.2	36.4	3147.7	700.0	6.4	-42.7	203.2	19.8	6.7	18.4	316.4	317.1	0.2	1.0	11.9	11.
10.2	42.0	3336.2	675.0	6.4	-44.9	204.6	16.3	5.7	15.3	317.1	318.1	0.3	2.4	12.9	11.
12.2	48.2	3627.6	650.0	7.4	-47.3	204.7	15.6	6.5	14.2	317.3	320.3	0.9	9.1	14.0	12.
13.1	48.7	4318.7	625.0	8.9	-50.3	202.5	13.6	5.2	12.6	316.1	322.5	0.7	8.2	14.9	13.
14.4	47.5	4349.4	600.0	1.6	-53.2	200.9	13.7	4.9	12.6	316.0	321.2	1.0	13.7	16.0	16.
15.7	50.4	4570.1	575.0	-1.3	-56.9	201.2	15.7	5.7	14.6	318.5	323.8	0.7	10.8	17.1	16.
17.1	53.3	5082.5	550.0	-4.2	-60.0	195.0	14.5	3.8	14.0	319.1	323.2	0.3	6.2	18.3	16.
18.2	56.4	5476.8	525.0	-7.2	-63.6	197.2	14.0	4.1	13.4	319.7	320.2	0.1	3.0	19.5	16.
19.7	59.4	5785.9	503.0	-9.0	-67.6	212.3	12.9	6.9	10.9	322.0	322.2	0.0	1.0	20.6	15.
21.3	62.6	6178.9	475.0	-12.6	-72.0	225.7	9.0	6.5	6.3	322.2	322.3	0.0	1.0	21.3	16.
22.4	65.9	6599.7	450.0	-15.9	-76.0	233.7	7.3	5.9	4.3	323.2	323.3	0.0	1.0	21.8	17.
23.7	69.1	7017.8	425.0	-19.2	-80.1	238.5	7.0	5.7	4.0	324.4	324.5	0.0	1.0	22.4	18.
25.4	72.5	7463.5	400.0	-22.7	-84.4	236.6	7.6	6.3	4.2	325.4	325.5	0.0	1.0	22.9	19.
27.2	76.1	7937.2	375.0	-26.4	-89.4	233.0	8.4	6.7	5.1	326.7	326.7	0.0	1.0	23.5	20.
29.2	79.7	8429.8	350.0	-30.4	-95.3	231.7	10.2	8.0	6.3	327.7	327.7	0.0	1.0	24.4	21.
31.3	83.7	8956.8	325.0	-34.4	-102.6	230.3	12.7	10.6	7.1	329.1	329.3	0.0	1.0	25.6	23.
33.3	87.7	9527.0	300.0	-38.8	-110.9	231.5	13.8	10.8	8.6	330.7	330.7	0.0	3.9	27.0	25.
35.1	91.5	10197.3	275.0	-44.4	-120.9	237.6	13.7	11.6	7.4	330.9	330.9	0.0	9.2	28.5	26.
37.3	96.4	10772.7	250.0	-50.1	-132.1	235.3	13.6	11.6	7.2	331.6	331.6	0.0	9.9	30.1	28.
39.5	101.2	11478.4	225.0	-55.1	-144.7	239.3	12.3	10.6	6.3	334.1	334.1	0.0	9.9	31.6	30.
42.1	106.2	12351.4	200.0	-60.1	-158.9	241.4	16.9	14.0	8.1	337.7	337.7	0.0	9.9	33.4	32.
44.7	111.6	12948.9	175.0	-67.3	-174.9	233.4	20.7	16.6	12.3	355.4	355.4	0.0	9.9	36.0	34.
47.9	117.5	13954.4	150.0	-60.1	-192.9	228.5	23.3	17.4	15.4	366.5	366.5	0.0	9.9	40.2	35.
51.4	124.3	15385.1	125.0	-62.7	-211.0	233.0	22.5	17.9	13.5	381.5	381.5	0.0	9.9	45.8	37.
6.2	131.7	16651.6	100.0	-64.5	-227.5	237.5	26.3	22.3	16.2	403.1	403.1	0.0	9.9	51.3	39.
9.2	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.7	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 BY TEMPERATURES TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY WIND MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 30  
HEALTON, OKLAHOMA

9 MAY 1979  
1605 GMT

TIME M/T	CMTCF	WEIGHT GPH	PRES MB	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	MR WTD CM/SEC	RM PCT	RANGE KM	AZ DG
0.0	9.1	251.0	972.7	21.0	15.8	150.0	6.2	-3.1	5.4	296.5	327.3	11.7	72.0	0.0	0.
99.7	99.9	1002.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	975.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.8	11.3	495.5	958.0	17.6	14.9	169.0	11.1	-2.1	10.9	297.1	327.6	11.3	76.5	0.4	334.
1.5	13.6	725.1	923.0	17.9	14.5	179.8	14.7	-0.1	10.7	297.6	327.6	11.3	80.8	0.9	345.
2.3	16.3	954.6	900.0	16.9	14.8	193.5	19.2	4.5	10.6	298.9	330.4	11.8	87.4	1.7	358.
3.7	18.4	1230.9	875.0	15.2	13.6	203.9	20.4	8.3	10.7	299.6	329.8	11.3	90.4	2.7	5.
4.2	21.2	1445.7	850.0	13.5	12.4	208.9	21.0	10.1	10.4	300.3	329.3	10.8	93.0	4.0	12.
5.2	23.3	1697.1	825.0	11.5	12.3	209.1	21.0	10.2	10.4	300.8	329.3	7.2	87.4	5.2	17.
6.2	25.9	1956.5	802.0	10.2	-38.4	202.5	20.7	7.9	10.2	300.8	329.3	0.2	1.8	8.3	18.
7.9	28.4	2227.3	775.0	17.2	-20.0	201.7	19.2	7.1	17.9	312.3	315.6	1.0	6.6	7.6	19.
8.8	31.0	2535.4	750.0	15.6	-16.9	197.1	18.4	6.2	13.7	313.6	317.2	1.1	7.7	8.2	19.
9.8	33.6	2732.2	725.0	14.7	-21.0	195.5	15.6	6.2	15.0	315.6	318.8	1.0	6.0	9.0	18.
9.7	36.3	3087.0	700.0	12.4	-20.1	194.4	15.4	5.1	15.5	316.2	318.8	1.1	6.7	9.8	18.
10.6	39.0	3490.1	675.0	10.4	-27.0	205.0	15.4	6.5	13.9	317.3	319.2	0.6	5.3	10.7	19.
11.5	41.5	3922.2	650.0	7.5	-29.7	206.2	13.9	6.1	12.4	317.5	319.2	0.5	5.0	11.6	19.
12.6	44.6	4333.0	625.0	4.5	-27.3	203.9	13.8	5.6	12.6	317.6	319.8	0.6	7.7	12.3	20.
13.7	47.4	4753.2	600.0	1.2	-26.2	201.3	14.9	5.4	13.9	317.8	320.1	0.7	16.7	13.3	20.
14.9	50.4	5193.3	575.0	-2.1	-24.9	197.3	16.9	4.9	14.1	317.5	320.4	0.9	15.5	14.4	20.
16.0	53.4	5644.2	550.0	-5.0	-24.4	195.2	18.8	3.9	15.3	318.1	320.3	0.6	13.4	15.5	20.
17.4	56.5	6094.4	525.0	-7.0	-50.1	193.8	16.4	3.9	15.9	320.1	320.3	0.1	1.7	16.7	19.
18.5	59.6	6587.0	500.0	-9.4	-55.9	192.6	15.5	3.4	15.2	321.6	321.7	0.0	1.0	17.8	19.
19.7	62.9	7181.1	475.0	-12.3	-57.7	194.9	11.5	2.9	11.1	322.7	322.8	0.0	1.0	18.7	19.
21.9	66.1	7791.3	450.0	-15.8	-60.0	200.0	10.8	3.7	10.2	323.4	323.5	0.0	1.0	19.6	19.
22.3	69.4	7319.5	425.0	-19.2	-61.5	202.7	10.6	4.1	9.8	324.4	324.5	0.0	1.1	20.4	19.
23.6	73.0	7867.6	400.0	-22.4	-61.5	206.3	11.0	4.9	9.8	325.8	325.9	0.0	1.4	21.3	19.
25.1	76.7	8394.7	375.0	-25.1	-61.3	220.7	13.6	6.9	10.3	328.3	328.4	0.0	1.7	22.3	20.
26.4	81.5	8916.1	350.0	-28.5	-62.8	227.6	16.6	12.1	11.2	334.4	333.5	0.8	2.1	23.5	21.
28.3	84.5	9462.6	325.0	-33.2	-61.6	231.2	18.5	12.9	10.3	331.0	331.1	0.0	3.9	25.0	23.
31.0	88.6	9919.6	300.0	-39.2	-64.4	229.7	18.0	12.2	10.3	331.6	331.7	0.0	6.4	26.5	25.
31.9	91.0	10111.6	275.1	-43.3	94.7	236.1	15.8	13.1	8.6	332.5	999.9	99.9	999.9	28.1	26.
33.9	97.6	10745.8	250.0	-48.4	94.9	235.5	15.3	12.1	9.2	335.1	999.9	99.9	999.9	29.7	28.
36.1	102.4	11633.2	225.0	-53.7	99.9	232.8	15.2	12.1	9.2	339.3	999.9	99.9	999.9	31.3	30.
38.4	107.4	12177.0	200.0	-59.0	99.9	236.4	16.8	14.5	8.6	339.3	999.9	99.9	999.9	33.4	31.
40.9	113.5	13009.3	175.0	-58.6	99.9	242.6	19.3	17.1	8.9	333.7	999.9	99.9	999.9	35.8	34.
43.8	119.9	13977.9	150.0	-69.2	99.9	223.5	24.4	15.4	10.2	366.1	999.9	99.9	999.9	39.6	35.
47.2	126.8	15107.9	125.0	-61.9	99.9	227.2	22.0	16.2	10.2	372.8	999.9	99.9	999.9	43.4	36.
50.9	134.7	16480.7	100.0	-63.8	99.9	999.9	99.9	99.9	99.9	644.5	999.9	99.9	999.9	999.9	999.9
97.3	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	999.9
97.4	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	999.9
99.3	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	999.9

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



STATION NO. 30  
HEALDTON, OKLAHKA

9 MAY 1979  
1705 GMT

117 93. 8

TIME MM	CNCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E POT T DG K	KX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	8.3	291.0	971.8	26.0	16.8	150.0	7.7	-2.9	6.7	391.6	335.3	12.5	57.0	0.0	0.
99.9	96.9	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	999.9
0.5	10.1	490.3	950.0	23.2	16.7	157.3	10.0	-3.9	9.2	300.7	333.3	12.5	67.0	0.3	328.
1.4	12.3	722.0	925.0	20.3	16.0	170.7	12.0	-1.9	11.9	305.1	333.3	12.5	76.3	0.9	337.
2.3	14.5	458.5	900.0	18.6	15.5	186.4	13.8	1.5	13.7	306.7	334.1	12.5	82.1	1.5	346.
3.0	16.7	1208.4	875.0	17.1	14.5	197.3	14.6	4.3	13.9	301.5	333.7	12.5	84.7	2.1	354.
3.8	18.9	1480.0	850.0	15.9	13.5	205.5	14.4	6.2	13.0	302.6	334.1	11.6	85.6	2.7	0.
4.7	21.2	1701.9	825.0	14.3	13.1	210.3	14.4	7.3	12.5	303.7	335.2	11.6	92.6	3.4	7.
5.6	23.5	1963.7	800.0	19.7	-35.8	201.6	15.0	5.5	13.9	312.1	312.9	0.2	1.1	6.2	10.
6.7	25.8	2233.6	775.0	19.0	-35.4	208.9	16.5	5.9	15.4	318.2	315.1	0.2	1.3	5.2	12.
7.4	28.1	2513.6	750.0	17.8	-36.8	202.3	16.1	6.1	14.9	315.9	320.3	1.4	8.1	6.2	14.
8.4	30.5	2433.4	725.0	15.4	-25.1	204.4	16.0	6.6	14.6	316.3	318.7	0.7	4.7	7.2	15.
9.3	33.0	3092.0	700.0	12.7	-17.4	200.9	15.6	5.6	14.6	316.6	320.9	1.3	10.2	6.3	16.
11.1	35.5	3402.5	675.0	10.0	-15.1	198.4	16.5	5.2	15.7	319.9	322.5	1.6	15.5	9.5	17.
12.4	39.0	3712.5	650.0	7.6	-16.6	199.0	15.9	5.2	15.0	317.5	322.7	1.6	16.1	10.7	17.
13.7	42.5	4033.8	625.0	4.6	-23.7	198.6	17.0	5.4	16.1	317.6	320.8	0.9	10.7	11.9	17.
14.9	43.1	4365.3	600.0	1.8	-28.4	201.5	17.2	6.3	16.0	318.2	320.3	0.6	8.4	13.3	17.
16.1	45.6	4707.2	575.0	-1.2	-38.4	202.6	17.5	6.7	16.2	318.5	319.4	0.2	4.0	14.6	18.
17.3	48.6	5059.7	550.0	-4.0	-43.6	201.7	17.9	6.6	16.6	319.4	320.1	0.2	3.8	15.7	18.
18.4	51.4	5424.2	525.0	-7.2	-41.2	201.5	19.9	7.9	16.3	319.8	320.5	0.2	4.6	17.0	18.
19.4	54.2	5802.3	500.0	-9.9	-42.2	203.4	17.7	7.0	16.3	321.0	321.7	0.2	5.0	18.3	19.
20.3	57.2	6190.1	475.0	-12.4	-46.0	197.5	11.4	3.4	16.9	325.6	321.1	0.1	4.1	19.5	19.
21.3	60.2	6506.8	450.0	-15.0	-47.2	189.7	9.9	1.7	9.8	328.4	324.9	0.1	4.4	20.2	19.
22.9	63.4	7036.7	425.0	-17.7	-48.7	201.5	13.7	5.0	12.7	328.3	326.7	0.1	4.7	21.4	18.
25.5	66.4	7497.9	400.0	-20.8	-51.5	222.6	15.3	10.4	11.3	328.0	328.3	0.1	4.4	22.7	19.
27.1	69.3	7949.0	375.0	-24.9	-53.7	226.4	13.5	9.8	9.2	328.6	328.9	0.1	4.8	23.9	21.
28.3	71.3	8433.3	350.0	-28.1	-55.6	226.3	16.8	12.5	11.1	330.8	331.0	0.1	5.2	25.4	22.
30.8	76.2	8788.7	325.0	-32.3	-55.1	228.5	16.9	12.3	11.6	332.2	332.4	0.0	5.4	27.0	24.
32.4	82.6	9545.7	300.0	-37.3	-61.2	224.8	17.7	12.5	12.6	334.9	333.0	0.0	6.2	28.7	25.
34.3	84.5	10130.3	275.0	-42.6	-69.9	229.0	18.2	13.7	11.9	333.6	999.9	99.9	999.9	30.6	27.
36.2	89.7	10775.6	250.0	-48.2	-99.9	227.0	17.9	13.1	12.2	336.6	999.9	99.9	999.9	32.5	28.
38.3	93.2	11461.7	225.0	-53.5	-99.9	231.6	17.4	13.6	10.8	336.6	999.9	99.9	999.9	34.6	29.
40.4	97.8	12202.6	200.0	-58.6	-99.9	236.7	21.3	17.8	11.7	339.6	999.9	99.9	999.9	37.3	31.
42.9	102.8	13042.0	175.0	-59.6	-99.9	242.6	22.6	20.1	10.4	331.6	999.9	99.9	999.9	39.7	33.
45.5	109.5	14003.8	150.0	-60.0	-99.9	222.3	21.6	14.6	16.0	356.7	959.2	90.5	959.2	42.2	35.
48.7	114.7	15142.0	125.0	-60.9	-99.9	223.0	21.9	18.5	17.2	353.7	959.2	90.5	959.2	47.4	35.
52.3	121.7	16224.0	100.0	-62.1	-99.9	999.9	99.9	99.9	99.9	407.0	999.9	99.9	999.9	999.9	999.9
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	999.9
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	999.9
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	999.9

° 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. 30  
HEALDTON, OKLAHOMA

9 MAY 2006 GMT

131 03. 0

TIME MIN	CMTCY	WEIGHT GPH	PRES MB	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	WX RTO GM/KG	FM FCY	RANGE KM	AZ DG
0.0	9.7	291.0	970.5	26.7	16.6	150.0	9.3	-4.7	8.1	302.4	335.8	12.4	54.8	0.0	0.
9.9	99.9	99.2	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.8	11.1	479.5	950.0	23.0	17.6	164.1	12.0	-3.3	11.5	302.5	338.8	13.5	63.8	0.6	339.
2.3	13.5	713.3	925.0	22.4	17.4	160.7	14.4	-4.7	13.9	302.2	338.0	13.7	73.7	1.5	340.
2.9	15.8	931.5	900.0	20.3	17.6	167.5	14.3	-3.1	13.9	302.6	340.6	14.3	86.9	2.3	341.
3.8	18.2	1194.6	875.0	19.0	16.6	174.3	14.0	-1.4	14.0	302.5	339.3	13.7	91.2	3.1	343.
4.7	20.6	1443.1	850.0	18.6	14.8	186.6	14.7	1.4	14.6	303.5	337.5	12.6	89.2	3.8	347.
5.7	23.0	1697.3	825.0	18.5	13.2	192.9	14.8	3.3	14.6	303.9	335.7	11.7	91.8	4.7	351.
6.7	25.5	1937.7	800.0	13.0	11.9	193.0	19.7	2.4	14.5	303.0	335.1	11.0	93.0	5.3	354.
7.7	28.0	2227.0	775.0	18.7	-18.7	190.0	13.5	2.3	13.3	313.0	318.6	1.1	6.1	6.2	358.
8.7	30.6	2508.1	750.0	18.6	-21.1	199.1	12.8	4.2	12.1	316.7	319.9	0.9	5.3	7.0	359.
10.1	33.1	2796.7	725.0	18.0	-20.7	194.4	13.5	3.4	13.0	317.0	320.4	1.0	6.4	7.8	0.
11.2	35.8	3093.2	700.0	18.1	-23.9	198.6	14.5	4.1	13.9	318.1	320.8	0.8	5.3	8.7	2.
12.4	38.5	3397.7	675.0	11.3	-23.3	198.1	15.6	4.9	14.9	318.3	321.3	0.9	7.0	9.6	4.
13.5	41.2	3710.8	650.0	8.4	-24.1	200.4	16.3	5.7	15.3	318.5	321.3	0.8	7.8	10.8	5.
14.7	44.0	4032.8	625.0	5.7	-25.9	202.5	17.5	6.7	16.2	318.9	321.4	0.7	8.1	11.9	7.
16.2	46.9	4364.5	600.0	2.4	-24.9	202.4	18.8	7.2	17.3	318.9	321.7	0.8	11.2	13.3	9.
17.3	49.9	4706.2	575.0	-0.9	-21.8	201.7	19.6	7.3	18.2	319.0	322.8	1.2	10.6	14.8	10.
18.7	52.8	5059.7	550.0	-4.2	-26.0	202.2	23.7	8.9	21.9	319.1	323.9	0.8	16.4	16.5	11.
19.9	55.8	5423.1	525.0	-7.3	-39.2	207.7	21.0	9.8	18.6	319.7	320.6	0.3	5.9	18.3	12.
21.3	58.9	5801.1	500.0	-9.7	-50.5	207.1	17.1	7.8	15.2	321.3	321.6	0.1	2.0	19.7	14.
22.8	62.1	6194.9	475.0	-12.5	-57.8	204.1	16.5	6.7	15.1	322.6	322.6	0.0	1.0	21.1	14.
24.2	65.4	6606.3	450.0	-14.2	-58.2	206.2	16.3	7.2	14.6	325.4	325.5	0.0	1.1	22.6	15.
25.9	68.7	7037.0	425.0	-17.6	-61.1	209.0	14.1	6.9	12.4	326.4	326.5	0.0	1.0	24.0	16.
27.5	72.3	7487.3	400.0	-21.5	-58.4	216.1	15.1	8.0	12.2	327.0	327.1	0.0	2.0	25.4	17.
29.3	75.9	7959.5	375.0	-25.0	-57.5	222.8	16.2	11.0	11.9	328.5	328.7	0.0	2.4	27.3	18.
31.4	79.7	8437.9	350.0	-28.3	-60.8	229.2	18.8	13.3	13.2	330.6	330.7	0.0	2.7	29.9	20.
33.5	83.7	8984.9	325.0	-32.5	-59.4	233.2	17.9	14.3	10.7	331.9	332.0	0.0	6.8	31.0	22.
35.6	87.8	9486.6	300.0	-37.1	-60.4	231.5	18.1	14.1	11.2	333.1	333.3	0.0	6.7	33.0	24.
37.9	92.2	10134.4	275.0	-42.5	99.9	229.4	18.9	14.4	12.3	333.6	333.6	0.0	999.9	35.3	26.
40.3	96.8	10775.5	250.0	-47.3	99.9	229.5	20.7	15.7	13.4	335.7	335.7	0.0	999.9	38.0	28.
42.9	101.8	11483.3	225.0	-53.1	99.9	236.5	21.2	17.7	11.7	337.2	337.2	0.0	999.9	40.9	30.
46.0	107.0	12211.7	200.0	-59.9	99.9	237.4	24.1	20.3	13.0	339.4	339.4	0.0	999.9	44.7	32.
49.0	112.8	13066.1	175.0	-59.1	99.9	236.6	23.2	21.0	13.8	352.4	352.4	0.0	999.9	48.7	35.
52.4	119.0	14129.9	150.0	-59.8	99.9	219.6	24.2	19.4	18.7	367.0	367.0	0.0	999.9	53.3	36.
56.4	126.0	15152.9	125.0	-61.4	99.9	222.2	24.4	19.4	18.7	383.8	383.8	0.0	999.9	59.6	36.
60.9	134.0	16337.3	100.0	-60.7	99.9	229.9	24.9	19.9	19.9	410.4	410.4	0.0	999.9	64.4	38.
64.9	141.9	17599.9	75.0	-60.9	99.9	229.9	24.9	19.9	19.9	440.0	440.0	0.0	999.9	69.8	38.
69.9	149.9	18999.9	50.0	-60.9	99.9	229.9	24.9	19.9	19.9	470.0	470.0	0.0	999.9	75.8	38.
74.9	157.9	20499.9	25.0	-60.9	99.9	229.9	24.9	19.9	19.9	500.0	500.0	0.0	999.9	82.8	38.

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

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POOR QUALITY



STATION NO. 30  
HEALTON, OKLAHOMA

10 MAY 1979  
211 GMT

TIME	CMTC	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	PUT	E POT	MR	RM	RANGE	AZ
MIN.		GPM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	CM/KG	PCT	KM	DEG
0.0	9.6	291.2	969.2	23.7	17.9	150.0	7.7	-3.9	6.7	299.5	335.2	13.5	70.0	0.0	0.
98.4	98.9	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	999.9
99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.0	9.6	291.2	969.2	23.7	17.9	150.0	7.7	-3.9	6.7	299.5	335.2	13.5	70.0	0.0	0.
1.5	11.6	4.6-6.6	950.0	22.8	18.1	151.4	18.7	-6.7	12.2	300.9	337.3	13.0	78.5	0.4	326.
7.4	16.0	236.6	900.0	19.5	16.3	161.3	20.4	-6.5	16.0	308.4	338.4	14.1	82.0	1.2	331.
9.3	17.4	1179.0	875.0	17.3	16.3	170.9	21.7	-3.4	21.5	311.6	337.8	14.4	93.1	2.2	339.
9.3	23.8	1427.3	850.0	16.0	14.9	178.2	20.3	-0.6	20.3	311.0	337.3	12.7	93.5	3.3	338.
2.3	23.3	1.913.3	825.0	14.7	13.1	178.5	20.2	-0.5	20.2	309.1	335.7	11.6	90.1	4.5	343.
6.4	25.7	1.622.3	800.0	15.6	6.7	182.1	16.5	0.6	16.4	317.8	329.0	7.5	80.4	5.7	346.
7.3	21.2	2.133.7	775.0	19.6	-14.6	196.9	13.9	4.8	13.3	318.9	320.0	1.6	8.8	6.9	348.
9.1	37.7	2.434.6	750.0	17.7	-16.9	204.1	13.7	4.8	13.2	315.8	320.1	1.4	8.1	7.6	350.
1.2	33.3	2.782.4	725.0	15.9	-21.5	204.5	14.2	5.9	12.9	316.9	320.0	0.9	8.1	8.2	353.
17.2	36.0	3.178.4	700.0	13.7	-28.3	204.8	15.7	7.3	13.6	317.7	319.5	0.9	3.7	9.8	358.
11.2	39.7	3.192.6	675.0	11.0	-29.5	213.0	16.3	8.9	13.6	317.9	319.6	0.5	4.0	10.7	1.
1.4	41.4	3.577.6	650.0	8.3	-30.7	219.4	16.0	10.2	12.4	315.1	319.9	0.5	4.0	10.7	1.
13.6	44.2	4.014.9	625.0	5.3	-32.1	219.6	17.3	10.9	13.7	316.5	319.9	0.4	4.6	12.6	8.
15.9	47.0	4.368.1	600.0	2.4	-31.5	219.9	17.3	11.4	13.7	319.0	320.3	0.4	4.9	13.7	10.
18.2	49.7	4.674.6	575.0	-1.0	-33.3	214.7	20.5	11.7	16.8	318.8	321.0	0.3	5.3	15.1	13.
17.6	52.9	5.042.2	550.0	-3.5	-38.6	209.3	21.9	10.7	19.1	319.9	320.8	0.2	4.4	16.9	15.
18.4	55.3	5.407.8	525.0	-5.3	-41.6	208.8	20.2	9.7	17.7	320.9	321.6	0.2	4.9	18.4	16.
27.1	58.9	5.787.6	500.0	-8.6	-42.8	211.2	19.5	10.1	16.6	322.6	323.2	0.2	4.3	19.8	17.
21.3	62.0	6.143.3	475.0	-10.3	-43.6	217.6	17.5	9.4	14.6	325.2	325.8	0.2	4.5	21.2	18.
27.5	65.4	6.727.1	450.0	-13.9	-45.5	220.4	16.1	10.5	12.3	325.8	326.4	0.1	4.9	22.4	19.
28.2	68.7	7.224.3	425.0	-17.3	-47.4	222.4	16.9	11.4	12.5	326.8	327.3	0.1	5.2	23.6	21.
25.7	72.1	7.493.3	400.0	-20.4	-49.2	226.7	16.3	11.9	11.2	328.5	327.9	0.1	5.6	25.2	22.
27.4	75.7	7.754.6	375.0	-24.0	-49.3	227.4	16.3	12.0	11.1	329.7	330.3	0.1	7.5	26.7	23.
23.0	79.5	8.053.9	350.0	-28.2	-50.4	231.4	17.2	13.4	10.4	330.4	331.2	0.1	9.3	28.2	25.
37.9	83.5	8.361.3	325.0	-32.4	-53.4	233.6	19.8	15.9	11.7	332.0	332.3	0.1	9.7	31.0	27.
37.5	87.5	8.690.7	300.0	-37.3	-55.9	239.1	19.8	16.1	11.6	332.9	333.1	0.1	10.0	31.9	28.
34.5	91.4	1.1336.1	275.0	-42.6	-58.9	239.3	18.8	15.0	11.2	333.6	333.9	0.1	999.9	33.9	30.
36.9	95.5	1.2771.0	250.0	-47.4	-61.9	238.7	17.5	14.4	10.2	335.6	335.6	0.1	999.9	35.9	31.
34.1	101.2	1.4454.4	225.0	-53.2	-64.9	239.6	16.9	16.3	9.5	337.0	337.0	0.1	999.9	37.7	33.
42.1	106.5	1.2237.1	200.0	-59.0	-69.3	251.4	19.7	18.6	6.3	339.3	339.3	0.1	999.9	39.5	34.
40.2	112.2	1.3336.6	175.0	-63.7	-69.9	252.6	19.0	18.1	5.7	349.6	349.6	0.1	999.9	41.2	37.
48.2	118.1	1.3390.0	150.0	-61.2	-69.9	242.4	22.7	20.1	10.5	366.7	366.7	0.1	999.9	43.4	38.
48.7	125.5	1.5122.8	125.0	-65.5	-69.9	239.0	23.6	20.0	12.5	376.4	376.4	0.1	999.9	46.8	40.
50.1	133.3	1.6473.4	100.0	-66.2	-69.9	199.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.7	99.7	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
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	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

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

STATION NO. 20  
HEALDTUN, OKLAHOMA

10 MAY 1979 012 GMT

897 96.6

TIME MIN	CMTCY	WLGHT GPM	PRES MB	TEMP DG C	DCV PT DG C	DIR DG	SPEED M/SEC	W. CLD. W/SEC	V. COM. W/SEC	POY T DG K	E. PBT T DG K	W. STD. G/SEC	GR. PBT	RANGE MM	AZ DG
0.3	8.9	291.0	970.2	23.6	18.3	130.0	7.7	-3.9	6.7	2894.3	375.8	13.4	72.0	0.0	8.0
0.3	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	10.7	475.3	953.0	22.3	19.0	137.1	17.6	-5.2	18.2	3074.4	119.0	14.0	68.6	0.4	333.0
1.5	12.9	707.5	923.0	20.6	19.1	162.9	20.4	-5.7	16.8	3000.7	300.7	15.2	46.0	1.1	339.0
2.3	15.1	788.4	900.0	18.5	17.6	165.3	20.4	-5.7	16.8	3000.7	300.7	15.2	46.0	2.1	341.0
3.0	17.3	1149.5	875.0	17.2	16.4	170.7	23.4	-3.9	23.1	3011.7	337.9	15.3	46.0	3.0	343.0
4.0	19.6	1436.4	850.0	15.5	14.5	175.6	24.5	-3.9	24.5	3011.7	337.9	15.3	46.0	4.4	346.0
4.9	21.9	1647.7	825.0	14.0	12.3	173.1	23.7	-2.0	23.0	3011.7	337.9	15.3	46.0	5.7	347.0
5.7	24.3	1947.8	800.0	12.7	10.8	176.7	21.9	-1.1	21.9	3011.7	337.9	15.3	46.0	6.9	345.0
6.4	26.6	2218.4	775.0	14.5	-25.1	182.9	19.8	1.1	18.7	3011.7	337.9	15.3	46.0	8.2	350.0
7.1	29.0	2492.6	750.0	17.1	-39.4	193.1	17.2	1.1	18.7	3011.7	337.9	15.3	46.0	9.3	352.0
8.1	31.5	2742.1	725.0	14.9	-40.8	198.1	17.0	1.1	18.7	3011.7	337.9	15.3	46.0	10.3	355.0
9.3	33.9	3075.4	703.0	13.4	-41.7	203.4	18.0	1.1	18.7	3011.7	337.9	15.3	46.0	11.2	357.0
10.9	36.4	3379.5	675.0	10.9	-43.2	208.6	18.3	1.1	18.7	3011.7	337.9	15.3	46.0	12.1	360.0
12.0	39.0	3641.4	650.0	9.1	-44.0	209.5	18.5	1.1	18.7	3011.7	337.9	15.3	46.0	13.1	363.0
13.1	41.6	4013.7	625.0	5.5	-46.6	206.3	20.7	1.1	18.7	3011.7	337.9	15.3	46.0	14.0	365.0
14.3	44.3	4348.4	600.0	2.1	-48.6	205.6	31.1	1.1	18.7	3011.7	337.9	15.3	46.0	15.0	368.0
15.5	47.0	4658.8	575.0	-1.1	-50.6	202.8	23.2	1.1	18.7	3011.7	337.9	15.3	46.0	16.0	371.0
16.4	49.8	5039.8	550.0	-3.1	-51.9	200.2	22.0	1.1	18.7	3011.7	337.9	15.3	46.0	17.0	374.0
18.0	52.6	5405.7	525.0	-5.1	-53.2	212.5	21.6	1.1	18.7	3011.7	337.9	15.3	46.0	18.0	377.0
19.2	55.5	5747.1	500.0	-7.4	-54.6	216.9	19.1	1.1	18.7	3011.7	337.9	15.3	46.0	19.0	380.0
21.4	58.4	6158.4	475.0	-10.3	-56.4	217.3	18.2	1.1	18.7	3011.7	337.9	15.3	46.0	20.0	383.0
21.5	61.5	6592.2	450.0	-13.4	-58.4	218.8	18.7	1.1	18.7	3011.7	337.9	15.3	46.0	21.0	386.0
22.7	64.6	7029.8	425.0	-17.2	-60.8	223.6	17.4	1.1	18.7	3011.7	337.9	15.3	46.0	22.0	389.0
24.1	67.9	7481.2	400.0	-21.3	-62.8	228.6	17.6	1.1	18.7	3011.7	337.9	15.3	46.0	23.0	392.0
25.6	71.3	7953.3	375.0	-24.6	-65.6	222.0	17.1	1.1	18.7	3011.7	337.9	15.3	46.0	24.0	395.0
27.2	74.7	8453.5	350.0	-28.6	-68.2	222.9	18.4	1.1	18.7	3011.7	337.9	15.3	46.0	25.0	398.0
28.8	78.3	8982.5	325.0	-32.1	-70.6	228.8	19.2	1.1	18.7	3011.7	337.9	15.3	46.0	26.0	401.0
30.6	82.1	9540.0	300.0	-37.0	-73.8	233.6	19.2	1.1	18.7	3011.7	337.9	15.3	46.0	27.0	404.0
32.6	86.0	10133.4	275.0	-42.0	-76.9	239.4	18.8	1.1	18.7	3011.7	337.9	15.3	46.0	28.0	407.0
34.1	90.2	10772.7	250.0	-47.7	-80.9	244.8	20.2	1.1	18.7	3011.7	337.9	15.3	46.0	29.0	410.0
35.4	94.6	11460.1	225.0	-53.3	-84.9	251.2	20.5	1.1	18.7	3011.7	337.9	15.3	46.0	30.0	413.0
37.9	99.3	12208.0	200.0	-59.0	-89.9	259.9	20.6	1.1	18.7	3011.7	337.9	15.3	46.0	31.0	416.0
39.0	104.4	13033.6	175.0	-63.2	-90.9	265.7	12.4	1.1	18.7	3011.7	337.9	15.3	46.0	32.0	419.0
42.0	109.8	13977.3	150.0	-65.2	-90.9	235.1	15.7	1.1	18.7	3011.7	337.9	15.3	46.0	33.0	422.0
44.6	116.0	15085.2	125.0	-67.4	-90.9	225.2	12.2	1.1	18.7	3011.7	337.9	15.3	46.0	34.0	425.0
48.1	123.0	16428.4	100.0	-67.7	-90.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	35.0	428.0
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	36.0	431.0
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	37.0	434.0
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	38.0	437.0
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	39.0	440.0
49.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	40.0	443.0

\* 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. 30  
 HEALDTON, OKLAHOMA  
 10 MAY 1970  
 606 GMT

TIME MM	CNTCT	WEIGHT GDM	PRES MB	TEMP DG C	DELT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX ATD GM/KG	RM PCT	RANGE KM	AZ DG
0.2	9.6	281.0	970.5	23.0	19.0	150.0	4.1	-2.1	3.6	298.7	336.6	14.4	78.0	0.0	0.0
9.9	9.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
9.9	9.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.7	11.3	477.0	950.0	22.1	19.9	165.3	10.9	-2.8	10.5	299.6	340.7	98.9	87.3	0.3	136.0
1.6	13.0	707.0	925.0	20.4	19.3	169.4	14.5	-2.7	14.3	300.1	341.1	15.5	93.9	0.6	342.0
2.2	16.0	246.9	900.0	19.2	17.9	177.6	18.6	-0.8	18.4	300.9	339.7	14.6	94.5	1.6	342.0
3.2	19.8	1197.1	875.0	17.2	16.3	196.0	17.9	1.2	17.8	301.7	337.8	13.5	94.3	2.7	351.0
4.2	20.8	1637.1	850.0	14.3	14.8	195.3	19.0	1.8	18.5	303.3	337.3	12.8	90.6	3.8	357.0
5.1	23.2	1691.4	875.0	14.6	13.1	199.2	19.2	2.9	17.9	304.0	335.6	11.6	91.6	4.8	359.0
6.0	25.7	1751.4	900.0	12.3	11.2	194.1	18.2	3.9	15.7	304.3	333.1	10.5	93.0	5.7	361.0
6.9	24.2	2419.4	775.0	17.6	-39.0	221.8	15.3	10.2	11.4	313.0	313.6	0.2	1.0	6.5	4.0
7.9	30.8	2498.7	750.0	17.0	-39.5	238.9	14.6	12.5	7.5	315.0	315.6	0.2	1.0	7.1	9.0
9.1	33.4	2759.9	725.0	14.8	-40.8	236.9	15.5	13.0	8.5	315.7	316.3	0.1	1.0	7.7	15.0
9.9	36.1	3092.8	700.0	12.7	-42.1	232.8	16.3	13.0	9.9	316.5	317.0	0.1	1.0	8.4	18.0
10.9	38.8	3381.5	675.0	9.7	-44.0	229.0	15.3	11.6	10.0	316.5	316.9	0.1	1.0	9.3	22.0
12.2	41.5	3694.4	650.0	6.7	-45.8	222.2	16.0	10.8	11.9	316.6	316.9	0.1	1.0	10.3	28.0
13.4	44.3	4014.6	625.0	4.3	-47.3	219.4	16.9	10.7	13.1	317.4	317.7	0.1	1.0	11.4	24.0
14.5	47.1	4344.5	600.0	1.3	-49.2	218.7	14.8	9.3	11.6	317.6	317.9	0.1	1.0	12.6	27.0
15.7	50.1	4684.5	575.0	-2.3	-51.2	217.8	14.8	9.1	11.7	317.6	317.8	0.0	1.0	14.7	29.0
17.0	53.1	5034.6	550.0	-5.3	-53.3	219.2	15.1	9.6	11.7	317.8	318.0	0.0	1.0	16.7	30.0
18.4	56.1	5394.6	525.0	-6.8	-54.2	215.8	15.1	8.8	12.3	320.2	320.4	0.0	1.0	17.2	30.0
19.4	59.1	5774.6	500.0	-13.2	-56.4	217.0	15.3	9.2	12.2	320.6	320.7	0.0	1.0	17.2	30.0
21.0	62.4	6174.6	475.0	-12.6	-57.7	215.9	15.9	9.4	12.9	322.4	322.9	0.1	0.5	18.4	30.0
22.4	65.7	6584.2	450.0	-15.6	-59.8	207.5	14.3	6.6	12.7	323.7	323.8	0.1	1.0	19.6	31.0
23.7	69.0	7104.1	425.0	-17.6	-61.1	202.2	15.3	9.8	14.2	326.4	326.5	0.0	1.0	20.9	30.0
25.2	72.6	7664.4	400.0	-21.4	-63.5	204.3	17.2	7.1	15.7	327.2	327.3	0.0	1.0	22.2	30.0
27.9	76.2	8332.3	375.0	-24.2	-65.4	208.3	18.8	8.9	16.6	329.6	329.6	0.0	1.0	23.9	30.0
29.5	80.0	9032.3	350.0	-28.7	-68.3	206.8	20.1	9.1	17.9	330.1	330.2	0.0	1.0	26.0	29.0
31.5	81.9	9754.5	325.0	-32.1	-70.6	210.8	20.0	10.2	17.2	332.4	332.5	0.0	1.0	29.4	29.0
32.5	84.2	10117.1	300.0	-36.3	-73.3	210.4	17.7	8.9	15.4	334.3	334.3	0.0	1.0	30.6	29.0
34.4	82.4	10117.1	275.0	-40.3	-76.7	215.9	19.0	11.1	15.4	336.0	336.0	0.0	99.9	33.1	30.0
37.3	97.0	10757.5	250.0	-44.3	-80.9	229.2	15.6	11.6	10.4	337.3	337.3	0.0	99.9	35.4	30.0
40.1	107.0	11467.9	225.0	-51.3	-84.9	240.5	19.4	10.9	9.5	339.6	339.6	0.0	99.9	41.0	32.0
42.9	107.3	12274.3	200.0	-57.4	-89.0	247.7	21.1	10.5	8.0	341.9	341.9	0.0	99.9	48.0	35.0
45.6	113.0	13048.7	175.0	-62.5	-94.9	279.9	29.9	9.9	9.9	346.4	346.4	0.0	99.9	59.9	99.9
49.3	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	366.4	366.4	0.0	99.9	99.9	99.9
50.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
52.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
54.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
56.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
58.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SICEJ MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 99.9 BY 43 MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99.0 BY 1 MEANS ELEVATION ANGLE LESS THAN 6 DEG

109 159. 0

STATION NO. 30  
 HEALTON, OKLAHOMA  
 10 MAY 1979  
 1105 GMT

131 99.0

TIME MIN	GMTCT	HEIGHT GPM	PHES 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	WZ RTO CM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.5	291.0	971.4	21.9	19.5	180.0	5.1	0.0	5.1	297.5	336.4	14.0	85.0	0.0	0.0
09.9	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	999.9
09.9	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	999.9
0.6	11.5	485.5	950.0	21.7	19.9	181.2	15.5	0.3	15.5	299.2	340.3	15.6	89.7	0.4	358.0
1.4	14.0	717.9	925.0	21.8	18.4	192.1	18.0	3.9	18.4	301.6	340.5	16.6	81.2	1.1	2.0
2.1	16.5	956.1	900.0	20.7	16.3	197.4	19.7	5.9	18.8	302.8	338.0	13.1	75.9	2.0	9.0
3.0	17.9	1149.8	875.0	19.4	14.3	198.2	17.6	5.5	16.7	305.6	336.1	11.0	72.1	2.9	12.0
3.7	21.5	1448.6	850.0	18.5	11.9	197.0	15.4	4.5	14.7	305.6	334.2	10.4	65.4	3.7	13.0
4.6	24.0	1705.4	825.0	16.7	10.5	203.4	14.6	5.8	13.4	308.2	333.1	9.7	66.8	4.4	14.0
5.5	26.7	1967.6	800.0	15.3	9.4	212.0	13.5	7.1	11.4	307.5	333.6	9.4	68.0	5.1	16.0
6.3	29.3	2236.5	775.0	13.2	9.5	222.5	13.7	9.3	10.1	308.1	335.2	9.7	78.2	5.8	18.0
7.3	31.0	2512.4	750.0	11.7	9.6	232.9	13.7	11.9	8.3	309.3	337.5	10.1	86.4	6.5	22.0
8.3	32.7	2796.3	725.0	10.4	8.6	233.7	14.4	11.5	6.5	310.9	338.6	9.8	88.7	7.2	26.0
9.2	37.4	3080.3	700.0	10.0	-0.8	228.9	14.8	11.3	9.6	313.5	328.5	9.2	47.3	8.0	28.0
10.3	40.2	3373.7	675.0	9.2	-11.2	226.4	15.2	11.0	10.5	315.9	325.5	2.8	22.5	8.5	30.0
11.2	43.1	3701.9	650.0	6.7	-14.4	222.5	17.2	11.5	12.7	316.6	322.7	1.9	20.5	9.7	32.0
12.0	46.0	4022.1	625.0	3.9	-16.5	220.4	18.2	9.2	10.0	316.9	322.2	1.7	20.7	10.6	32.0
13.3	49.0	4352.3	600.0	1.1	-20.5	218.6	18.2	3.2	10.3	317.4	321.4	1.2	18.0	11.5	33.0
14.6	52.0	4672.2	575.0	-2.1	-19.7	221.9	18.6	5.0	10.9	317.5	322.0	1.4	24.1	12.4	33.0
15.7	55.1	5000.0	550.0	-4.7	-21.6	222.7	18.6	11.1	12.2	318.5	322.6	1.2	25.1	13.6	34.0
16.7	58.3	5329.8	525.0	-6.5	-34.1	225.2	19.4	13.7	13.7	320.7	322.0	0.4	8.0	14.9	35.0
17.6	61.5	5659.2	500.0	-8.6	-34.1	226.9	20.4	14.5	13.9	322.3	321.8	0.4	10.8	16.4	36.0
18.4	64.8	6000.0	475.0	-11.5	-34.4	228.1	21.3	15.5	15.1	323.7	325.3	0.1	12.0	17.6	37.0
20.5	69.1	6396.2	450.0	-13.2	-54.4	223.0	23.4	16.2	17.2	325.7	326.9	0.1	1.6	19.3	37.0
21.7	71.7	7000.0	425.0	-16.7	-60.5	222.3	23.3	15.7	17.2	327.6	327.7	0.0	1.0	21.1	38.0
23.7	75.3	7490.2	400.0	-20.5	-57.1	224.7	22.3	15.7	15.9	328.1	326.5	0.0	2.2	22.9	38.0
24.7	79.1	7954.1	375.0	-24.0	-51.3	221.1	19.5	12.8	14.7	329.8	330.2	0.0	5.9	24.9	39.0
26.2	83.0	8453.7	350.0	-27.9	-53.7	218.8	19.1	9.9	14.4	331.2	331.5	0.1	6.6	26.6	39.0
27.4	87.2	8900.0	325.0	-32.6	-56.1	218.8	20.2	10.3	17.3	331.7	331.5	0.1	7.5	28.5	38.0
29.5	91.3	9339.5	300.0	-37.2	-57.2	218.4	20.1	11.4	16.6	333.0	333.2	0.1	10.2	30.8	38.0
31.1	95.8	10137.4	275.0	-40.8	-60.9	220.4	23.2	15.1	17.7	334.2	333.2	0.0	99.9	33.8	37.0
34.2	107.5	11778.6	250.0	-46.0	-66.0	225.6	23.3	16.7	18.3	337.6	333.6	0.0	99.9	36.7	38.0
36.1	105.5	11467.5	225.0	-52.5	-69.9	225.9	21.1	15.1	18.7	336.0	333.6	0.0	99.9	39.3	39.0
38.2	110.9	12219.4	200.0	-59.0	-69.9	217.3	18.9	13.4	18.4	335.4	333.6	0.0	99.9	41.8	39.0
40.6	116.8	12544.3	175.0	-65.0	-69.9	215.0	19.2	11.0	18.8	342.8	333.6	0.0	99.9	43.9	38.0
43.2	123.3	13348.3	150.0	-60.6	-69.9	216.9	27.6	23.1	15.0	345.7	333.6	0.0	99.9	49.4	40.0
47.7	133.3	14120.4	125.0	-66.1	-69.9	231.0	21.5	14.7	13.5	375.3	333.6	0.0	99.9	54.0	41.0
52.5	148.5	16472.3	100.0	-64.5	-69.9	99.9	99.9	99.9	99.9	403.1	333.6	0.0	99.9	99.9	99.9
49.9	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	999.9
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	999.9
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	999.9

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

STATION NO. 31  
HENNESSEY, OKLAHOMA

9 MAY 1979  
1112 GMT

117 93. 8

TIME MI.	CNTCY	HEIGHT GPM	PRES MB	TEMP DG C	DEP PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT Y DG K	MR STD CM/SEC	RH PCT	RANGE KM	AZ DG
0.0	10.0	383.0	962.3	21.2	17.2	180.0	7.7	6.0	7.7	297.6	331.8	13.0	76.0	0.8	0.
00.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
01.8	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	999.9
02.7	99.9	99.9	950.0	19.9	17.2	178.7	13.9	-0.3	13.9	297.4	332.1	13.2	86.5	0.3	358.
03.6	13.3	888.8	925.0	18.4	16.8	183.6	17.9	1.1	17.9	298.1	332.7	13.1	90.3	1.1	358.
04.5	15.5	919.9	903.0	17.0	15.7	191.7	20.2	4.1	19.8	298.0	332.4	12.6	92.3	2.2	3.
05.4	17.7	1169.3	875.0	15.3	14.1	203.1	25.0	9.0	24.0	299.6	330.6	11.7	92.8	3.6	9.
06.3	20.0	1490.0	850.0	13.3	12.3	205.2	28.2	10.3	21.9	300.1	324.7	10.7	93.9	4.6	13.
07.2	22.3	1697.0	825.0	12.8	-21.3	205.0	22.4	9.5	20.3	302.1	304.8	9.8	7.6	5.9	16.
08.1	24.6	1919.9	800.0	20.0	-19.0	202.2	22.1	8.4	20.5	312.5	317.6	1.6	8.0	7.2	17.
09.0	27.0	2142.3	775.0	19.4	-17.7	204.5	18.1	7.5	16.5	314.6	318.6	1.2	6.7	6.4	18.
10.0	29.6	2470.6	750.0	17.5	-12.7	208.4	15.0	7.1	13.2	315.6	321.6	1.9	11.5	9.3	19.
11.0	31.8	2760.6	725.0	16.8	-13.7	209.3	10.5	8.1	10.4	315.7	321.6	1.8	12.6	10.1	20.
12.0	34.3	3052.6	700.0	15.4	-16.5	204.5	18.5	9.1	16.1	316.2	321.6	1.5	11.6	11.1	21.
13.0	36.9	3358.6	675.0	9.8	-16.7	208.5	18.5	8.6	16.3	316.6	321.6	1.5	13.9	12.0	21.
14.0	39.3	3670.1	650.0	7.0	-15.9	204.3	19.7	8.1	16.0	316.9	322.3	1.7	17.6	13.1	22.
15.0	41.9	3990.5	625.0	4.2	-18.4	200.0	19.7	6.7	16.6	317.3	321.9	1.4	17.4	14.3	22.
16.0	44.6	4320.5	600.0	0.9	-18.4	198.0	19.8	6.1	16.9	317.2	321.9	1.4	21.2	15.7	22.
17.0	47.3	4660.3	575.0	-2.5	-19.1	197.0	19.8	5.8	18.9	317.1	321.8	1.5	26.5	17.2	21.
18.0	50.1	5010.4	550.0	-5.2	-30.4	195.6	17.6	4.7	17.0	318.0	319.9	0.6	12.0	18.9	21.
19.0	52.9	5375.1	525.0	-6.7	-41.1	201.2	13.8	5.0	12.9	320.4	321.1	0.2	6.5	22.2	20.
20.0	55.4	5754.9	500.0	-9.4	-37.1	209.0	12.2	5.9	10.7	321.5	322.7	0.3	8.4	21.3	21.
21.0	58.0	6147.5	475.0	-13.1	-34.2	207.1	12.5	5.7	11.1	321.7	323.3	0.4	15.0	22.2	21.
22.0	60.9	6558.3	450.0	-16.9	-36.2	200.9	13.7	4.9	12.6	322.1	323.6	0.4	16.7	23.2	21.
23.0	63.9	6982.2	425.0	-20.4	-40.6	195.3	14.7	3.9	14.2	322.9	323.6	0.3	14.4	24.3	21.
24.0	67.3	7428.3	400.0	-24.0	-43.3	194.2	13.7	3.4	13.3	323.9	324.6	0.2	14.6	25.6	21.
25.0	71.4	7895.3	375.0	-27.2	-45.2	206.5	14.4	6.4	12.9	325.6	326.2	0.2	16.1	26.6	21.
26.0	75.9	8384.9	350.0	-30.5	-46.7	217.6	17.5	10.4	10.4	327.7	328.1	0.1	14.8	27.8	21.
27.0	80.9	8899.9	325.0	-34.3	-51.9	218.9	20.1	12.6	10.6	329.4	329.8	0.1	14.6	28.5	22.
28.0	86.7	9433.0	300.0	-38.6	-54.3	222.3	16.3	13.1	10.4	330.8	331.0	0.1	15.0	31.3	23.
29.0	92.6	9987.9	275.0	-43.8	-54.0	225.0	14.8	14.8	10.4	331.8	331.0	0.1	15.0	33.3	25.
30.0	99.2	10555.7	250.0	-49.6	99.0	230.6	20.7	15.7	12.9	332.3	332.3	0.9	999.9	35.6	26.
31.0	97.5	10721.0	225.0	-47.6	99.0	230.6	20.4	15.7	12.9	332.3	332.3	0.9	999.9	37.4	26.
32.0	95.2	11371.8	200.0	-53.1	99.0	230.6	20.8	16.1	13.2	333.1	333.1	0.9	999.9	39.8	29.
33.0	99.9	12115.2	200.0	-62.6	99.0	223.0	21.9	14.9	10.0	336.0	336.0	0.9	999.9	39.8	29.
34.0	99.9	12437.2	175.0	-61.2	99.9	234.5	25.5	20.7	10.0	337.7	337.7	0.9	999.9	42.5	30.
35.0	105.0	13066.9	150.0	-59.6	99.9	226.5	22.1	18.0	10.0	337.4	337.4	0.9	999.9	45.7	32.
36.0	116.9	1507.4	125.0	-63.7	99.9	224.6	20.4	16.6	10.0	338.2	338.2	0.9	999.9	48.2	33.
37.0	124.3	16809.8	100.0	-66.7	99.0	599.9	99.9	99.9	99.9	385.2	999.9	99.9	999.9	999.9	999.9
38.0	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
39.0	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
40.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0 99 TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 99 SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 31  
 MEMPHIS, OKLAHOMA

9 MAY 1979

TIME MPL	CMTCT	HEIGHT GPH	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	RM PCT	RANGE KM	AZ DG
00.0	99.9	343.0	983.9	21.5	16.7	180.0	6.2	0.0	6.2	297.0	320.9	2.5	74.0	0.0	0.
00.3	99.9	92.9	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	507.9	99.9	99.9	999.9	009.
00.6	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	507.9	99.9	99.9	999.9	009.
00.9	99.9	99.9	925.0	20.7	16.5	174.6	15.1	-1.4	15.0	298.2	331.5	12.6	77.1	0.0	348.
01.2	10.9	466.5	950.0	18.8	15.9	176.8	18.5	-1.1	18.5	298.5	331.3	12.6	83.1	1.1	352.
01.5	15.3	695.7	903.0	17.2	15.7	188.3	20.7	3.0	20.3	299.3	332.7	12.6	90.6	2.1	357.
01.8	17.4	913.5	875.0	16.4	15.2	200.5	19.8	6.9	18.5	300.8	336.4	12.6	92.9	3.1	2.
02.1	19.6	1171.7	850.0	15.7	14.5	214.9	19.2	11.0	15.7	302.6	335.9	12.6	92.4	4.1	9.
02.4	21.9	1472.7	825.0	14.2	12.9	222.3	19.3	13.0	14.3	303.6	334.7	11.4	91.9	5.1	18.
02.7	24.2	1912.1	803.0	12.0	10.4	231.0	19.2	10.7	10.0	304.0	331.5	10.0	90.1	6.1	20.
03.0	26.5	2201.1	775.0	10.3	-24.4	196.5	16.6	4.7	16.0	314.6	316.9	0.7	3.0	7.2	21.
03.3	28.9	2481.3	750.0	17.5	-25.2	196.6	16.4	4.8	16.2	315.5	317.7	0.7	4.0	8.3	20.
03.6	31.3	2769.1	725.0	15.5	-36.3	907.9	99.9	99.9	99.9	316.5	317.3	0.2	1.6	99.9	999.
03.9	33.7	3064.6	700.0	13.1	-41.9	999.9	99.9	99.9	99.9	317.0	317.4	0.1	1.0	999.9	999.
04.2	36.1	3368.1	675.0	10.6	-43.1	999.9	99.9	99.9	99.9	317.5	317.9	0.1	1.0	999.9	999.
04.5	38.5	3672.6	650.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
04.8	40.9	3977.1	625.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
05.1	43.3	4281.6	600.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
05.4	45.7	4586.1	575.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
05.7	48.1	4890.6	550.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
06.0	50.5	5195.1	525.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
06.3	52.9	5500.6	500.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
06.6	55.3	5805.1	475.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
06.9	57.7	6109.6	450.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
07.2	60.1	6414.1	425.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
07.5	62.5	6718.6	400.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
07.8	64.9	7023.1	375.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
08.1	67.3	7327.6	350.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
08.4	69.7	7632.1	325.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
08.7	72.1	7936.6	300.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
09.0	74.5	8241.1	275.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
09.3	76.9	8545.6	250.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
09.6	79.3	8850.1	225.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
09.9	81.7	9154.6	200.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
10.2	84.1	9459.1	175.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
10.5	86.5	9763.6	150.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
10.8	88.9	10068.1	125.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
11.1	91.3	10372.6	100.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
11.4	93.7	10677.1	75.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
11.7	96.1	10981.6	50.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.
12.0	98.5	11286.1	25.0	9.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	999.9	999.

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

STATION NO. 31  
KENNESSEE, OKLAHOMA

9 MAY 1979  
1730 GMT

TIME MIN	CHTCT	HEIGHT GPN	PRES HG	TEMP CG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POF T DG K	MR ATO GM/KG	RH PCT	RANGE KM	AZ DG
2.0	10.4	343.2	963.5	25.2	17.4	180.0	9.3	0.0	9.3	301.5	338.7	13.1	62.8	0.0	0.
9.9	9.7	9.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
97.9	97.9	97.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.4	11.5	467.3	953.0	23.4	16.9	180.9	12.0	0.2	12.0	300.9	335.3	12.9	67.1	0.4	348.
1.1	13.6	694.6	923.0	21.3	16.3	182.5	13.0	0.6	13.0	301.1	335.1	12.7	73.1	0.8	355.
1.7	15.9	936.7	900.0	19.2	15.6	185.9	14.0	1.4	14.0	301.3	334.0	12.5	79.8	1.3	358.
2.4	17.9	1178.9	875.0	17.1	14.7	194.8	14.3	3.7	13.8	301.5	334.1	12.1	84.9	1.9	1.
3.2	23.1	1427.3	850.0	16.9	14.5	206.2	14.5	6.4	13.0	303.8	337.3	12.6	86.0	2.4	6.
3.9	28.3	1681.8	825.0	14.9	13.7	215.2	14.1	8.1	11.5	306.4	337.2	12.1	92.2	3.0	11.
4.7	24.5	1942.7	800.0	13.4	12.5	221.8	12.1	8.1	9.0	305.3	337.0	11.3	93.9	3.7	17.
5.6	29.7	2210.2	775.0	11.7	9.7	211.6	12.2	6.4	10.4	306.5	333.8	9.9	87.6	4.2	20.
6.2	21.1	2457.3	750.0	17.5	-35.2	200.6	16.9	9.9	15.8	315.5	316.4	0.3	1.3	5.1	21.
7.7	31.4	4775.0	725.0	15.4	-35.2	199.8	18.4	6.2	17.4	316.3	317.3	0.3	1.7	6.2	20.
8.6	33.8	3077.5	700.0	13.0	-38.9	200.7	20.0	7.1	18.7	316.9	315.3	0.6	3.1	7.4	20.
9.6	36.3	3374.3	675.0	10.3	-28.3	200.2	20.2	7.0	19.3	317.2	314.1	0.5	4.7	8.6	20.
17.6	39.9	3665.7	650.0	7.3	-28.8	198.6	19.7	6.3	18.6	317.2	314.9	0.5	5.0	9.8	20.
11.6	41.3	4206.2	625.0	4.4	-31.0	197.4	18.8	5.6	17.9	317.4	319.0	0.5	5.5	10.9	20.
12.7	41.9	4136.2	600.0	1.1	-29.4	195.3	18.7	4.9	18.1	317.5	319.3	0.6	6.0	12.1	20.
13.7	46.6	4676.4	575.0	-1.9	-30.7	193.8	18.5	6.4	18.0	317.7	319.3	0.5	6.9	13.2	19.
14.8	48.2	5227.4	550.0	-5.1	-31.6	196.3	20.3	5.7	19.5	318.0	319.7	0.5	10.3	14.5	19.
17.4	57.0	5331.4	525.0	-6.9	-43.4	197.0	18.5	5.4	17.7	320.1	323.7	0.2	3.5	15.9	19.
19.4	53.9	5770.2	500.0	-9.6	-48.1	193.3	19.9	4.6	19.3	321.4	321.8	0.1	2.6	17.5	18.
19.4	57.8	6166.3	475.0	-12.5	-46.0	197.4	20.0	6.0	19.0	322.3	323.0	0.1	4.1	18.1	18.
23.1	67.9	6574.0	450.0	-16.4	-46.7	204.4	19.8	8.2	18.0	322.8	323.1	0.1	5.1	23.8	8.
21.6	64.0	7300.6	425.0	-19.0	-45.7	204.6	19.7	8.2	17.9	323.6	324.1	0.1	7.8	22.5	19.
23.9	67.1	7447.5	400.0	-23.3	-48.5	209.1	19.6	9.3	17.1	324.7	325.2	0.1	7.7	24.1	19.
24.6	70.5	7717.1	375.0	-26.4	-49.8	213.4	20.6	11.4	17.2	326.7	327.1	0.1	6.8	26.0	20.
26.2	74.0	8411.4	350.0	-30.6	-50.0	218.4	20.1	12.5	15.7	327.9	327.9	0.1	12.8	27.9	21.
28.9	77.6	8934.5	325.0	-34.0	-53.4	221.2	23.4	15.4	17.6	329.3	332.2	0.1	12.0	30.0	23.
29.8	81.3	9430.6	300.0	-38.2	-56.7	223.1	23.8	18.2	17.4	331.5	331.7	0.1	11.9	32.5	24.
31.7	83.3	10042.6	275.0	-43.4	-60.9	224.9	25.4	17.9	18.0	332.3	332.3	0.0	99.9	35.1	24.
33.5	89.5	10716.7	250.0	-48.8	-69.9	229.1	23.7	17.9	15.3	333.5	333.9	0.0	99.9	37.7	27.
37.3	93.8	11401.0	225.0	-53.7	-79.9	226.5	28.1	20.4	19.4	336.3	339.9	0.0	99.9	40.3	29.
37.5	98.6	12149.2	200.0	-58.5	-99.9	224.2	26.7	18.6	19.2	340.1	339.9	0.0	99.9	43.5	30.
39.8	103.8	12799.2	175.0	-63.3	-99.9	229.4	29.5	23.1	19.6	345.3	339.9	0.0	99.9	47.5	31.
42.5	110.0	13919.3	150.0	-59.1	-99.9	222.3	26.5	17.8	19.4	348.4	339.9	0.0	99.9	51.4	33.
45.2	118.8	15061.1	125.0	-62.5	-99.9	218.8	22.7	13.4	18.1	348.4	339.9	0.0	99.9	53.7	33.
48.9	123.0	16459.2	100.0	-62.3	-99.9	219.9	99.9	99.9	99.9	447.4	339.9	0.0	99.9	99.9	999.
99.9	99.9	99.9	75.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	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	99.9	99.9	99.9	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	99.9	99.9	99.9	999.9	999.

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

STATION NO. 31  
MENNESSEY, OHLANDRA

9 MAY 1979  
2011 GMT

315 101. 0

TIME MIN	CNCT	WEIGHT GPM	PHLS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E PWT T DG K	MK RTO G/MKG	RM PCT	RANGE KM	AZ DG
0.0	9.9	343.0	963.0	25.7	18.4	180.0	7.7	0.0	7.7	302.1	330.5	14.0	64.0	0.0	0.
95.9	92.9	92.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
99.9	92.9	92.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.5	11.0	462.6	950.0	24.3	17.7	185.1	7.5	0.7	7.5	301.9	338.1	13.5	65.4	0.2	2.
1.3	13.3	696.2	925.0	22.5	16.5	181.4	9.7	0.2	9.7	302.3	337.0	12.9	68.9	0.6	3.
2.3	15.5	734.2	900.0	20.3	16.7	178.2	12.0	-0.4	11.9	302.5	338.5	13.4	79.6	1.3	1.
3.3	17.6	1177.7	875.0	19.0	16.3	178.3	12.3	-0.4	12.3	302.5	338.7	13.5	89.9	2.0	300.
4.3	19.9	1425.7	850.0	16.2	15.1	186.5	11.7	1.3	11.6	303.1	337.8	12.9	93.6	2.7	300.
5.2	22.3	1680.3	825.0	14.6	13.5	192.8	11.0	2.6	11.5	304.1	336.5	12.0	93.3	3.4	2.
6.1	24.5	1943.9	800.0	13.2	12.1	185.7	10.5	1.0	10.4	305.2	335.0	11.2	93.1	4.0	4.
7.1	26.9	2205.6	775.0	12.3	11.1	179.0	11.4	-0.2	10.4	307.1	337.0	10.6	92.1	4.6	3.
8.1	29.2	2433.4	750.0	11.4	2.7	189.9	15.6	2.7	15.3	309.0	326.8	6.2	50.6	5.3	3.
9.0	31.7	2770.1	725.0	10.4	-25.3	190.0	20.0	5.5	19.2	316.6	318.9	0.7	4.5	6.3	5.
10.0	34.1	3265.7	700.0	13.1	-22.3	192.6	19.3	5.8	18.4	317.0	320.0	0.9	6.8	7.5	7.
11.1	36.5	3761.5	675.0	10.4	-23.3	192.1	19.5	6.4	18.4	317.3	320.2	0.9	7.4	8.8	9.
12.3	37.1	3971.6	650.0	7.5	-24.7	200.3	19.7	6.8	18.5	317.5	320.1	0.6	7.9	10.1	10.
13.4	41.4	4302.6	625.0	4.8	-25.9	198.7	20.0	6.4	18.9	317.9	320.4	0.7	8.4	11.5	11.
14.7	44.6	4633.5	600.0	1.8	-25.9	194.4	19.6	6.2	18.6	318.2	320.6	0.6	10.6	12.9	12.
15.9	47.1	4974.2	575.0	-1.7	-25.4	195.6	22.2	7.4	20.9	318.0	320.8	0.6	14.3	14.2	13.
17.0	49.9	5325.6	550.0	-5.1	-25.7	202.2	23.5	8.9	21.7	318.0	320.9	0.6	17.9	16.1	13.
18.2	52.7	5676.4	525.0	-7.5	-37.0	204.3	20.1	8.3	18.3	319.4	320.5	0.3	7.3	17.5	14.
19.5	55.6	5927.4	500.0	-9.8	-41.1	200.5	20.3	7.1	19.0	321.1	321.9	0.2	5.6	19.1	15.
20.9	58.5	6178.4	475.0	-12.5	-39.9	201.0	20.3	7.3	18.9	322.5	323.4	0.2	7.9	20.7	15.
22.3	61.6	6429.4	450.0	-15.6	-43.8	208.5	21.6	9.6	19.3	323.6	324.3	0.2	6.8	22.5	16.
23.7	64.9	6680.7	425.0	-19.1	-46.9	208.3	21.2	10.1	16.7	324.5	325.0	0.1	6.5	24.3	17.
25.1	67.9	6931.7	400.0	-22.3	-48.7	212.6	21.5	11.6	16.1	326.1	326.5	0.1	6.9	26.1	18.
26.6	71.1	7182.7	375.0	-25.4	-49.1	216.3	22.2	13.1	17.4	328.0	328.4	0.1	6.7	28.0	19.
28.0	74.7	7433.7	350.0	-29.7	-49.7	221.2	23.4	16.0	17.1	328.7	329.1	0.1	12.2	30.0	20.
29.3	78.3	7684.6	325.0	-33.5	-51.3	227.8	23.2	18.6	16.9	330.5	330.9	0.1	14.7	32.4	21.
30.7	81.9	7935.5	300.0	-39.2	-54.7	227.8	23.9	17.7	16.1	331.5	331.8	0.1	15.5	35.2	22.
32.1	85.0	8186.4	275.0	-42.7	-54.9	227.8	24.6	18.2	16.5	333.3	332.3	0.1	99.9	37.7	26.
33.5	88.1	8437.3	250.0	-48.1	-59.9	227.6	28.3	20.9	19.1	336.5	335.9	0.1	99.9	40.6	28.
34.9	91.2	8688.2	225.0	-53.9	-59.9	233.2	25.2	20.2	15.1	336.0	336.0	0.1	99.9	43.9	30.
36.3	94.5	8939.1	200.0	-58.7	-59.9	233.8	25.8	20.8	15.2	339.8	339.9	0.1	99.9	47.1	31.
37.7	97.8	9190.0	175.0	-62.2	-59.9	228.5	26.3	20.0	17.1	347.3	347.3	0.1	99.9	51.1	33.
39.1	101.1	9440.9	150.0	-61.2	-59.9	228.7	29.2	19.0	12.1	348.1	348.1	0.1	99.9	56.5	34.
40.5	104.4	9691.8	125.0	-59.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	62.4	35.
41.9	107.7	9942.7	100.0	-57.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	68.3	36.
43.3	111.0	10193.6	75.0	-55.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	74.2	37.
44.7	114.3	10444.5	50.0	-53.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	80.1	38.
46.1	117.6	10695.4	25.0	-51.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	86.0	39.
47.5	120.9	10946.3	0.0	-49.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	91.9	40.
48.9	124.2	11197.2	0.0	-47.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	97.8	41.
50.3	127.5	11448.1	0.0	-45.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	103.7	42.
51.7	130.8	11699.0	0.0	-43.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	109.6	43.
53.1	134.1	11950.0	0.0	-41.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	115.5	44.
54.5	137.4	12200.9	0.0	-39.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	121.4	45.
55.9	140.7	12451.8	0.0	-37.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	127.3	46.
57.3	144.0	12702.7	0.0	-35.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	133.2	47.
58.7	147.3	12953.6	0.0	-33.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	139.1	48.
60.1	150.6	13204.5	0.0	-31.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	145.0	49.
61.5	153.9	13455.4	0.0	-29.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	150.9	50.
62.9	157.2	13706.3	0.0	-27.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	156.8	51.
64.3	160.5	13957.2	0.0	-25.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	162.7	52.
65.7	163.8	14208.1	0.0	-23.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	168.6	53.
67.1	167.1	14459.0	0.0	-21.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	174.5	54.
68.5	170.4	14709.9	0.0	-19.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	180.4	55.
69.9	173.7	14960.8	0.0	-17.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	186.3	56.
71.3	177.0	15211.7	0.0	-15.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	192.2	57.
72.7	180.3	15462.6	0.0	-13.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	198.1	58.
74.1	183.6	15713.5	0.0	-11.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	204.0	59.
75.5	186.9	15964.4	0.0	-9.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	209.9	60.
76.9	190.2	16215.3	0.0	-7.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	215.8	61.
78.3	193.5	16466.2	0.0	-5.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	221.7	62.
79.7	196.8	16717.1	0.0	-3.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	227.6	63.
81.1	200.1	16968.0	0.0	-1.2	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	233.5	64.
82.5	203.4	17218.9	0.0	0.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	239.4	65.
83.9	206.7	17469.8	0.0	2.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	245.3	66.
85.3	210.0	17720.7	0.0	4.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	251.2	67.
86.7	213.3	17971.6	0.0	6.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	257.1	68.
88.1	216.6	18222.5	0.0	8.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	263.0	69.
89.5	219.9	18473.4	0.0	10.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	268.9	70.
90.9	223.2	18724.3	0.0	12.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	274.8	71.
92.3	226.5	18975.2	0.0	14.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	280.7	72.
93.7	229.8	19226.1	0.0	16.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	286.6	73.
95.1	233.1	19477.0	0.0	18.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	292.5	74.
96.5	236.4	19727.9	0.0	20.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	298.4	75.
97.9	239.7	19978.8	0.0	22.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	304.3	76.
99.3	243.0	20229.7	0.0	24.8	-59.9	228.7	29.2	19.0	99.9	348.2	348.2	0.1	99.9	310.2	77.

STATION NO. 31  
 MENNESSEE, OKLAHOMA

9 MAY 1979  
 2358 GMT

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VIEW	CMCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	WE RTO	RM	RANGE	AZ
MIN		GN	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	RM	DEG
0.0	9.9	343.0	961.2	24.5	19.2	100.0	5.0	0.0	5.0	301.0	338.0	13.9	68.0	0.0	0.0
9.9	9.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9
9.9	9.9	975.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.9	999.9	999.9
0.3	13.9	646.0	950.0	24.2	17.6	133.3	16.1	-6.3	12.6	331.5	338.1	13.7	68.4	0.3	332.0
1.1	13.0	674.5	925.0	22.6	17.0	151.7	13.9	-6.6	12.2	302.4	338.1	13.3	70.5	0.6	332.0
2.0	15.2	920.0	920.0	20.6	16.9	155.8	15.5	-6.4	14.1	302.8	339.1	13.5	78.9	1.6	332.0
7.7	17.4	1161.9	875.0	19.6	16.3	160.9	16.8	-5.5	15.9	303.1	339.4	13.5	86.7	2.4	336.0
1.5	17.6	1410.5	850.0	16.7	15.1	169.3	16.3	-3.0	16.0	303.7	338.4	12.8	89.9	3.1	337.0
4.3	21.9	1565.1	825.0	14.9	13.3	173.3	15.2	-1.6	15.1	304.3	336.3	11.8	90.4	3.8	340.0
5.1	24.3	1325.9	802.0	13.0	11.6	175.4	15.1	-1.2	15.1	305.0	334.7	10.8	91.1	4.5	342.0
5.8	24.5	2142.9	775.0	11.1	10.1	193.2	15.2	0.9	15.2	305.7	333.6	10.1	93.5	5.2	346.0
6.6	27.9	2460.3	750.0	11.9	-23.7	192.1	17.2	3.6	16.8	309.5	312.1	0.8	7.1	5.8	347.0
7.5	31.3	2752.0	725.0	15.3	-36.4	196.8	19.0	5.5	18.2	316.3	317.3	0.3	2.0	6.7	351.0
8.5	31.7	3349.3	700.0	13.9	-39.1	195.7	20.2	5.4	19.4	317.9	318.5	0.2	1.3	7.8	355.0
9.5	31.3	3852.1	675.0	11.0	-38.9	196.4	20.6	5.8	19.8	318.0	318.7	0.2	1.6	9.0	358.0
10.5	31.7	4450.0	650.0	8.5	-21.5	202.4	21.0	7.3	19.7	318.6	323.2	1.5	13.8	10.2	360.0
11.5	31.3	5047.0	625.0	5.2	-20.8	205.1	21.2	9.0	19.2	318.4	322.8	1.4	15.2	11.4	3.0
12.5	31.9	5644.0	600.0	2.2	-30.7	209.4	21.7	10.3	19.0	318.6	320.3	0.5	6.6	12.6	5.0
13.5	31.6	6241.0	575.0	-0.8	-32.2	209.0	22.2	10.8	19.5	319.1	320.6	0.4	7.0	13.9	7.0
14.7	31.3	6838.0	550.0	-4.4	-32.3	206.0	24.1	10.5	21.7	318.9	320.5	0.5	9.1	15.3	9.0
15.7	32.1	7435.0	525.0	-7.6	-35.1	204.2	22.6	9.3	20.6	319.3	320.5	0.4	8.7	16.7	11.0
16.9	31.3	8032.0	500.0	-10.4	-42.5	201.9	23.7	8.6	22.0	320.4	321.1	0.2	5.1	18.3	12.0
17.3	31.0	8629.0	475.0	-12.6	-46.1	206.9	22.9	10.3	20.4	322.3	322.8	0.1	4.1	20.2	13.0
17.7	31.0	9226.0	450.0	-15.6	-49.7	210.9	24.0	12.3	20.6	323.8	324.3	0.1	4.4	22.0	14.0
21.0	31.0	9823.0	425.0	-18.6	-49.2	211.4	24.4	12.7	20.9	325.1	325.5	0.1	4.8	23.9	16.0
22.4	31.3	10420.0	400.0	-22.7	-51.5	211.7	24.3	13.5	20.2	325.1	325.8	0.1	5.2	25.8	17.0
23.9	31.6	11017.0	375.0	-26.3	-49.2	216.4	23.7	14.0	19.1	326.8	327.2	0.1	9.4	27.8	18.0
25.4	31.6	11614.0	350.0	-29.9	-45.1	216.1	25.1	15.1	19.7	328.5	329.2	0.2	20.9	30.4	20.0
27.7	31.7	12211.0	325.0	-33.2	-53.2	224.3	26.2	18.3	18.7	331.0	331.3	0.1	11.2	33.3	22.0
31.0	31.3	12808.0	300.0	-37.3	-55.3	226.2	26.2	18.9	18.1	332.8	333.1	0.1	13.8	36.6	24.0
34.2	31.3	13405.0	275.0	-42.5	-54.9	225.0	24.9	17.6	17.6	333.7	333.7	0.1	999.9	39.5	26.0
38.2	31.3	14002.0	250.0	-47.2	-54.9	220.7	25.1	16.4	19.0	335.9	335.9	0.1	999.9	42.6	27.0
39.4	31.3	14600.0	225.0	-52.6	-54.9	228.3	26.0	16.6	17.1	337.9	337.9	0.1	999.9	45.1	28.0
37.4	31.6	15197.0	200.0	-57.0	-57.0	229.3	26.2	20.4	10.0	342.6	342.6	0.1	999.9	47.1	29.0
39.3	31.6	15794.0	175.0	-61.8	-59.9	258.1	33.7	32.9	7.0	348.0	348.0	0.1	999.9	49.2	32.0
43.5	31.6	16391.0	150.0	-66.3	-59.3	99.9	99.9	99.9	99.9	355.9	355.9	0.1	999.9	51.6	34.0
47.7	31.6	16988.0	125.0	-72.9	-59.9	99.9	99.9	99.9	99.9	359.9	359.9	0.1	999.9	54.1	36.0
51.9	31.6	17585.0	100.0	-74.9	-59.9	99.9	99.9	99.9	99.9	364.9	364.9	0.1	999.9	56.6	38.0
56.1	31.6	18182.0	75.0	-76.9	-59.9	99.9	99.9	99.9	99.9	369.9	369.9	0.1	999.9	59.1	40.0
60.3	31.6	18779.0	50.0	-78.9	-59.9	99.9	99.9	99.9	99.9	374.9	374.9	0.1	999.9	61.6	42.0
64.5	31.6	19376.0	25.0	-79.9	-59.9	99.9	99.9	99.9	99.9	379.9	379.9	0.1	999.9	64.1	44.0
68.7	31.6	19973.0	0.0	-80.9	-59.9	99.9	99.9	99.9	99.9	384.9	384.9	0.1	999.9	66.6	46.0

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

STATION NO. 31  
HENNESSEY, OKLAHOMA

10 MAY 1979  
212 GMT

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TIME MIN	CHFT	WGT GPM	PRES MB	TEMP DG C	DEP PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PGT 7 DG K	C PGT 7 DG K	MAX RFD GMPKG	RH PCT	RANGE KM	AZ DG
0.0	10.3	343.0	981.9	23.7	17.7	180.0	8.0	0.0	8.0	300.2	335.8	13.4	69.0	0.0	0.0
0.9	99.9	99.9	1300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2.2	11.3	451.5	950.0	23.1	99.9	147.5	15.2	-7.7	13.1	300.6	599.9	99.9	99.9	0.4	326.0
1.1	13.5	691.4	925.0	21.5	99.9	150.8	15.0	-7.7	13.8	301.2	599.9	99.9	99.9	1.0	328.0
2.0	15.9	918.1	900.0	19.7	99.9	155.2	16.9	-7.1	15.3	301.9	599.9	99.9	99.9	1.9	330.0
2.9	18.1	1157.3	875.0	18.0	99.9	160.5	18.8	-5.3	17.8	302.5	599.9	99.9	99.9	2.9	333.0
3.8	20.4	1435.5	850.0	16.3	99.9	165.9	21.6	-4.2	21.0	303.2	599.9	99.9	99.9	3.9	336.0
4.7	22.7	1654.2	825.0	15.1	99.9	170.7	21.0	-1.6	21.0	303.6	599.9	99.9	99.9	5.0	340.0
5.6	25.1	1714.8	800.0	13.3	12.2	175.3	20.2	-0.5	20.2	305.2	335.2	11.3	93.4	6.1	343.0
6.6	27.5	2197.0	775.0	11.4	10.4	180.7	19.2	0.2	19.2	306.1	334.6	18.3	93.2	7.2	346.0
7.4	29.9	2462.4	750.0	10.3	-29.4	180.8	20.7	2.5	20.8	313.2	314.7	0.4	3.1	8.6	348.0
8.3	32.4	2749.3	725.0	15.7	-40.3	193.2	21.9	5.7	21.2	315.7	317.3	0.2	1.0	9.9	352.0
9.0	34.8	2845.1	700.0	13.4	-41.7	195.2	22.3	5.9	21.5	317.4	317.9	0.1	1.3	11.3	355.0
10.0	37.5	3142.2	675.0	11.1	-43.0	198.0	23.3	6.4	22.4	318.0	318.5	0.1	1.0	12.9	357.0
11.5	40.1	3441.9	650.0	8.2	-42.7	197.6	22.6	6.9	21.6	316.2	318.7	0.1	1.3	14.6	360.0
12.5	42.7	3743.4	625.0	5.2	-46.7	202.8	21.9	7.8	20.5	318.9	319.2	0.1	1.0	16.3	2.0
13.4	45.4	4044.7	600.0	2.4	-48.5	208.8	21.8	7.4	20.4	318.9	319.2	0.1	1.0	18.2	4.0
14.9	48.2	4348.2	575.0	-1.0	-50.4	198.7	22.7	7.7	21.4	318.9	319.1	0.1	1.0	20.0	5.0
16.5	51.0	4656.2	550.0	-3.7	-50.0	202.2	23.2	8.8	21.5	319.7	319.9	0.1	1.3	21.8	7.0
18.2	53.9	5036.6	525.0	-7.2	-50.1	208.2	22.6	10.0	20.2	319.0	320.1	0.1	1.7	23.6	8.0
19.5	56.8	5451.6	500.0	-9.7	-53.7	215.6	24.9	12.8	21.4	321.2	321.6	0.0	1.3	25.3	9.0
20.9	59.8	5911.6	475.0	-11.9	-51.4	217.3	25.6	15.5	20.4	323.3	323.5	0.1	2.1	27.5	12.0
22.4	62.9	6357.1	450.0	-15.1	-35.4	219.4	25.1	15.0	19.4	324.3	325.0	0.4	16.4	29.8	14.0
24.1	65.1	6867.0	425.0	-17.3	-39.6	210.0	23.9	15.2	21.0	324.6	327.6	0.3	12.5	32.4	16.0
25.9	67.4	7431.6	400.0	-21.0	-45.3	212.0	26.4	14.8	22.4	327.7	328.3	0.2	8.1	34.9	17.0
27.2	70.2	7911.3	375.0	-24.7	-46.7	215.6	25.7	14.9	20.9	328.9	329.5	0.1	10.8	37.2	18.0
28.9	72.7	8437.2	350.0	-28.7	-47.5	218.6	26.7	16.6	20.8	329.8	330.4	0.1	14.6	39.9	20.0
30.3	75.2	8931.1	325.0	-32.7	-51.6	221.2	23.6	15.5	17.7	331.6	332.0	0.1	13.0	42.6	21.0
32.0	77.7	9401.9	300.0	-37.0	-54.2	219.4	26.0	16.5	20.1	333.2	333.5	0.1	14.2	45.8	22.0
33.1	80.7	9889.7	275.0	-41.6	-54.9	221.9	26.0	17.1	18.4	335.0	335.0	99.9	597.9	49.4	24.0
34.5	83.7	10389.7	250.0	-46.0	-59.9	226.7	27.9	20.3	19.2	337.7	337.7	99.9	999.9	53.0	25.0
36.1	86.1	10929.6	225.0	-50.5	-66.0	230.7	26.4	22.7	8.9	341.1	339.9	99.9	999.9	56.7	27.0
37.4	88.5	11425.4	200.0	-56.9	-69.7	265.3	27.4	27.0	4.6	342.6	339.9	99.9	999.9	59.8	29.0
38.7	90.8	11913.6	175.0	-63.6	-69.7	260.9	35.8	35.3	3.7	345.0	339.9	99.9	999.9	61.8	33.0
40.4	92.9	12406.0	150.0	-66.2	-69.9	230.9	32.4	25.2	2.4	354.1	339.9	99.9	999.9	63.9	37.0
42.1	94.9	12906.0	125.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
43.8	96.9	13406.0	100.0	-75.0	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
45.4	99.0	13913.6	75.0	-80.7	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
47.1	101.2	14425.4	50.0	-87.7	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
48.9	102.9	14946.0	25.0	-90.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50.9	104.9	15466.0	0.0	-99.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 31  
MEMPHIS, OKLAHOMA

10 MAY 1979  
539 GMT

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TIME	CHFC	HEIGHT	PHES	TEMP	DBP	DIR	SPEED	U COMP	V COMP	POT	E PUT	RZ ATO	RM	RANGE	AZ
MIN		CM	MS	DC C	DC C	DS	M/SEC	M/SEC	M/SEC	DC K	DC K	CM/KG	PCT	KM	DEG
0.0	9.6	383.0	962.0	23.5	18.2	180.0	6.2	0.0	6.2	300.0	336.6	13.8	72.0	0.0	0.
99.9	99.7	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	999.9
00.0	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	999.9
0.4	15.6	453.0	950.0	22.8	18.6	180.4	21.6	-7.3	20.4	300.4	338.5	14.4	77.1	0.4	336.
1.1	12.9	683.5	925.0	21.2	18.3	166.1	22.3	-3.7	21.5	301.0	339.5	14.5	83.3	1.1	339.
1.4	12.9	683.5	925.0	21.2	18.3	166.1	22.3	-3.7	21.5	301.0	339.5	14.5	83.3	1.1	339.
3.0	17.4	1168.0	900.0	19.6	18.1	171.2	24.1	-0.9	23.9	302.4	339.5	13.8	92.9	3.0	388.
4.0	19.6	1418.5	875.0	17.9	16.7	178.0	25.5	-0.5	24.9	303.6	339.5	13.1	92.1	5.4	351.
5.1	21.9	1652.3	825.0	15.4	12.9	179.4	23.9	-0.2	23.9	304.9	336.2	11.5	85.4	7.0	353.
5.1	26.3	1332.3	800.0	14.1	9.6	186.5	20.3	3.0	20.1	304.2	332.5	9.5	74.4	8.4	354.
7.1	26.6	2199.1	775.0	14.9	7.3	212.2	16.5	0.8	16.0	309.6	328.1	6.4	46.4	9.4	357.
9.1	23.1	2477.3	750.0	16.0	-4.4	220.6	18.2	11.8	13.8	314.0	323.1	3.7	24.2	10.1	1.
9.2	31.4	2768.1	725.0	14.0	-10.6	212.6	21.3	11.5	17.9	314.8	322.2	2.4	17.2	11.1	9.
10.2	31.7	3354.1	700.0	12.5	-14.7	210.0	22.3	11.2	19.4	316.3	321.8	1.7	13.5	12.4	6.
11.3	36.4	3362.3	675.0	10.5	-15.4	207.0	24.4	11.1	21.8	317.4	321.9	1.7	14.6	13.0	10.
17.3	39.9	3474.6	650.0	7.7	-14.9	205.1	24.5	10.4	22.2	317.7	323.6	1.9	18.3	15.3	11.
17.6	41.4	3494.2	625.0	5.1	-17.6	205.8	24.9	10.8	22.4	318.3	323.3	1.5	17.3	17.1	13.
14.9	44.1	4327.4	600.0	2.3	-19.9	208.1	25.0	12.1	22.7	318.8	323.1	1.3	17.5	19.0	14.
14.2	45.9	4669.0	575.0	-0.7	-22.5	210.3	26.3	13.4	22.5	319.7	322.8	1.1	17.2	21.1	16.
17.7	49.7	5322.0	550.0	-3.7	-25.5	210.6	26.3	13.4	22.6	319.7	322.8	0.9	16.4	23.3	17.
17.3	52.5	5387.4	525.0	-6.5	-28.0	211.3	25.6	13.7	21.9	320.6	323.0	0.7	15.7	25.7	19.
23.8	55.4	5460.7	500.0	-9.0	-30.8	211.8	25.0	13.1	21.2	322.1	323.1	0.6	15.1	27.9	20.
22.2	54.4	6161.7	475.0	-11.9	-33.8	210.3	25.4	12.8	21.9	323.2	323.7	1.0	14.1	30.1	20.
27.9	61.5	6572.9	450.0	-15.4	-38.4	214.2	22.3	12.5	18.5	323.9	325.2	1.0	13.0	32.2	21.
27.5	64.6	7302.9	425.0	-17.6	-42.5	212.9	23.0	12.5	19.3	326.5	328.5	0.6	12.5	34.5	22.
27.4	67.4	7454.2	400.0	-21.6	-47.5	209.5	24.1	11.8	21.0	328.2	329.6	0.4	12.0	37.1	23.
27.4	71.3	7723.3	375.0	-24.5	-49.3	215.6	24.0	13.9	19.5	329.2	330.4	0.3	12.7	39.8	23.
31.4	74.7	8427.1	350.0	-27.4	-43.3	222.2	24.5	16.4	18.1	311.3	332.1	0.2	11.0	42.8	24.
33.7	74.2	4956.5	325.0	-30.9	-46.0	220.1	26.2	18.9	20.0	334.1	334.8	0.2	10.8	44.1	24.
35.3	82.0	9519.2	300.0	-35.2	-49.6	218.8	26.5	17.8	22.2	335.7	336.2	0.1	10.1	47.6	27.
34.7	85.9	10119.3	275.0	-40.6	-45.6	222.6	34.6	23.2	25.3	336.4	336.4	99.9	99.9	53.4	28.
37.9	90.0	10740.2	250.0	-45.6	-49.9	247.1	23.7	21.8	9.2	336.3	336.3	99.9	99.9	56.3	29.
42.0	94.5	11454.2	225.0	-51.2	-49.9	255.5	25.8	25.0	6.5	340.1	336.3	99.9	99.9	59.2	31.
44.7	97.2	12208.0	200.0	-58.0	-49.9	255.7	23.8	23.7	1.8	341.0	336.3	99.9	99.9	61.4	34.
44.7	104.1	13035.5	175.0	-64.3	-49.9	252.7	21.5	20.5	6.4	343.8	336.3	99.9	99.9	64.2	37.
51.3	113.6	13745.5	150.0	-68.5	-49.9	253.1	27.2	18.6	19.9	352.1	336.3	99.9	99.9	68.5	38.
56.2	116.0	15374.1	125.0	-63.1	-49.9	259.9	99.9	99.9	99.9	360.8	336.3	99.9	99.9	77.1	38.
92.9	94.9	94.9	100.0	94.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
92.9	94.9	94.9	75.0	94.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
92.9	94.9	94.9	50.0	94.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
92.9	94.9	94.9	25.0	94.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
92.9	94.9	94.9	0.0	94.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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

NO DATA FOR QUALITY

STATION NO. 31  
 MEMPHIS, OKLAHOMA

10 MAY 1979

06 303. 0

TIME MIN	CMTCY	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 RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	10.4	343.0	963.6	22.5	16.1	100.0	7.2	0.0	7.2	298.8	330.8	12.0	67.0	0.0	0.
00.9	40.6	40.9	1000.0	49.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
00.9	90.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.5	11.7	467.1	950.0	22.3	19.5	173.7	13.1	-1.4	13.0	299.8	340.1	15.2	81.1	0.4	336.
1.2	14.1	674.7	925.0	20.8	19.0	176.2	16.5	-1.1	16.4	300.6	340.6	15.2	89.2	1.0	385.
2.1	16.5	637.1	900.0	19.6	18.0	186.6	19.9	2.3	19.8	301.5	340.6	16.7	91.7	1.9	393.
3.4	18.7	1190.1	875.0	18.6	16.6	192.7	23.3	5.1	22.7	303.1	340.6	18.0	89.4	3.1	0.
3.9	21.3	1827.2	850.0	17.3	15.2	199.0	22.5	7.3	21.3	304.3	339.3	18.9	87.3	4.3	5.
4.9	23.9	1656.2	825.0	15.5	13.2	206.0	21.5	9.4	19.3	305.0	336.8	11.7	86.3	5.6	9.
5.9	26.3	1945.8	800.0	14.7	11.7	213.3	19.9	10.9	16.7	306.8	337.0	11.3	85.1	6.8	13.
7.1	29.7	2214.2	775.0	12.7	11.3	218.8	19.7	12.3	15.3	307.6	337.1	10.7	89.5	7.9	16.
8.1	31.5	2499.6	750.0	11.1	9.0	222.7	19.7	13.4	14.5	308.6	335.8	9.7	87.4	9.2	20.
9.2	34.1	2772.7	725.0	9.7	7.2	229.1	19.0	13.2	13.6	310.1	335.1	8.8	66.2	10.4	23.
10.4	36.7	3041.7	700.0	7.2	5.6	233.9	16.8	11.6	12.4	310.4	333.8	8.2	89.6	11.5	25.
11.6	39.2	3307.3	675.0	5.3	3.6	238.2	16.4	10.1	12.9	311.6	332.9	7.4	89.1	12.4	26.
12.6	42.3	3571.4	650.0	3.9	-7.6	242.6	15.3	7.5	13.3	315.7	335.9	3.3	37.3	13.4	27.
13.8	45.7	3831.4	625.0	3.0	-16.1	246.0	17.6	7.5	16.0	318.8	323.3	2.1	25.6	14.7	27.
15.1	48.1	4071.2	600.0	1.2	-21.5	249.0	22.1	9.0	20.2	317.6	321.3	1.1	16.4	16.2	27.
16.5	51.1	4321.2	575.0	-1.1	-33.3	241.6	23.9	8.0	22.2	318.8	320.1	0.4	6.5	18.1	26.
18.0	54.1	4574.2	550.0	-4.2	-31.5	246.2	25.1	5.5	24.7	319.1	320.6	0.5	9.6	20.4	20.
19.6	57.1	4777.9	525.0	-6.2	-35.3	242.2	25.1	9.5	23.2	321.0	322.2	0.4	1.0	22.6	25.
20.8	60.3	4975.1	500.0	-8.6	-39.1	247.6	25.7	12.0	22.7	322.6	326.7	0.6	15.7	24.7	25.
22.2	63.6	5154.1	475.0	-11.8	-43.7	233.6	24.7	13.7	20.5	323.4	326.0	0.7	23.0	26.9	26.
23.8	67.0	5306.7	450.0	-14.1	-48.5	213.2	25.1	13.2	20.2	325.6	327.1	0.4	13.3	29.1	26.
25.4	70.5	5437.4	425.0	-17.7	-57.3	199.4	24.9	12.9	17.9	326.4	327.4	0.3	15.5	32.9	26.
27.0	74.7	5548.4	400.0	-21.2	-68.3	184.4	24.9	9.9	15.3	328.7	329.5	0.2	13.4	36.9	26.
28.3	78.1	5641.4	375.0	-24.9	-82.0	169.9	24.9	9.0	12.9	329.9	329.9	0.2	11.9	40.9	26.
29.9	81.6	5718.9	350.0	-28.9	-97.9	155.9	24.9	8.9	10.9	329.9	329.9	0.2	10.0	44.9	26.
31.2	85.1	5789.4	325.0	-33.0	-114.9	142.9	24.9	8.9	9.9	329.9	329.9	0.2	8.9	48.9	26.
32.9	88.7	5854.4	300.0	-37.3	-133.3	130.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	52.9	26.
34.2	92.3	5914.4	275.0	-41.9	-153.3	119.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	56.9	26.
35.9	96.0	5969.4	250.0	-46.9	-174.9	110.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	60.9	26.
37.2	99.7	6019.4	225.0	-52.3	-197.9	103.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	64.9	26.
38.9	103.4	6064.4	200.0	-58.1	-222.9	98.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	68.9	26.
40.2	107.1	6104.4	175.0	-64.3	-249.9	95.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	72.9	26.
41.9	110.8	6139.4	150.0	-70.9	-278.9	93.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	76.9	26.
43.2	114.5	6169.4	125.0	-77.9	-309.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	80.9	26.
44.9	118.2	6194.4	100.0	-85.3	-342.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	84.9	26.
46.2	121.9	6214.4	75.0	-93.1	-377.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	88.9	26.
47.9	125.6	6229.4	50.0	-101.3	-414.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	92.9	26.
49.2	129.3	6239.4	25.0	-110.1	-453.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	96.9	26.
50.9	133.0	6244.4	0.0	-119.5	-494.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	100.9	26.
52.2	136.7	6244.4	0.0	-129.5	-537.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	104.9	26.
53.9	140.4	6239.4	0.0	-140.1	-582.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	108.9	26.
55.2	144.1	6229.4	0.0	-151.3	-629.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	112.9	26.
56.9	147.8	6214.4	0.0	-163.1	-678.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	116.9	26.
58.2	151.5	6194.4	0.0	-175.5	-729.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	120.9	26.
59.9	155.2	6169.4	0.0	-188.5	-782.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	124.9	26.
61.2	158.9	6139.4	0.0	-202.1	-837.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	128.9	26.
62.9	162.6	6104.4	0.0	-216.3	-894.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	132.9	26.
64.2	166.3	6064.4	0.0	-231.1	-953.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	136.9	26.
65.9	170.0	6019.4	0.0	-246.5	-1014.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	140.9	26.
67.2	173.7	5969.4	0.0	-262.5	-1077.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	144.9	26.
68.9	177.4	5914.4	0.0	-279.1	-1142.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	148.9	26.
70.2	181.1	5854.4	0.0	-296.3	-1209.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	152.9	26.
71.9	184.8	5789.4	0.0	-314.1	-1278.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	156.9	26.
73.2	188.5	5718.9	0.0	-332.5	-1349.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	160.9	26.
74.9	192.2	5641.4	0.0	-351.5	-1422.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	164.9	26.
76.2	195.9	5554.4	0.0	-371.1	-1497.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	168.9	26.
77.9	199.6	5459.4	0.0	-391.3	-1574.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	172.9	26.
79.2	203.3	5354.4	0.0	-412.1	-1653.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	176.9	26.
80.9	207.0	5239.4	0.0	-433.5	-1735.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	180.9	26.
82.2	210.7	5114.4	0.0	-455.5	-1819.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	184.9	26.
83.9	214.4	4979.4	0.0	-478.1	-1905.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	188.9	26.
85.2	218.1	4814.4	0.0	-501.3	-1993.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	192.9	26.
86.9	221.8	4629.4	0.0	-525.1	-2083.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	196.9	26.
88.2	225.5	4424.4	0.0	-549.5	-2175.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	200.9	26.
89.9	229.2	4199.4	0.0	-574.5	-2269.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	204.9	26.
91.2	232.9	3954.4	0.0	-600.1	-2365.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	208.9	26.
92.9	236.6	3689.4	0.0	-626.3	-2463.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	212.9	26.
94.2	240.3	3404.4	0.0	-653.1	-2563.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	216.9	26.
95.9	244.0	3099.4	0.0	-680.5	-2665.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	220.9	26.
97.2	247.7	2774.4	0.0	-708.5	-2769.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	224.9	26.
98.9	251.4	2429.4	0.0	-737.1	-2875.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	228.9	26.
100.2	255.1	2064.4	0.0	-766.3	-2983.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	232.9	26.
101.9	258.8	1679.4	0.0	-796.1	-3093.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	236.9	26.
103.2	262.5	1274.4	0.0	-826.5	-3205.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	240.9	26.
104.9	266.2	849.4	0.0	-857.5	-3319.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	244.9	26.
106.2	269.9	404.4	0.0	-889.1	-3435.9	92.9	24.9	8.9	8.9	329.9	329.9	0.2	8.9	248.9	26.
107.9	273.6	0.0	0.0	-921.3	-3553.9	92.9	24.9	8.9							

STATION NO. 31  
HENNESSEY, OKLAHOMA

10 MAY 1979  
1112 GMT

TIME MIN	CMCTP	MLEGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUF T DG K	E POT T DG K	WZ STD GM/SEC	RM PCT	RANGE KM	AZ DG
00.0	00.0	303.0	765.5	13.0	11.4	000.0	00.0	00.0	00.0	289.0	311.0	0.0	00.0	000.0	000.0
00.0	00.0	00.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
00.0	00.0	00.0	375.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
0.5	11.1	478.0	950.0	10.6	9.7	000.0	00.0	00.0	00.0	208.7	308.7	0.0	00.0	000.0	000.0
1.3	13.4	701.7	925.0	12.2	11.6	000.0	00.0	00.0	00.0	201.0	316.4	0.0	00.0	000.0	000.0
2.2	15.5	935.2	900.0	17.3	16.8	000.0	00.0	00.0	00.0	209.3	325.1	13.5	00.0	000.0	000.0
3.0	17.8	1176.5	875.0	17.0	16.5	000.0	00.0	00.0	00.0	301.5	330.1	13.7	00.0	000.0	000.0
3.9	20.1	1424.6	850.0	15.9	15.4	000.0	00.0	00.0	00.0	302.8	339.1	13.1	00.0	000.0	000.0
4.8	22.3	1670.0	825.0	12.0	11.9	000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
5.7	24.5	1915.0	800.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
6.6	26.7	2160.0	775.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
7.5	28.9	2405.0	750.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
8.4	31.1	2650.0	725.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
9.3	33.3	2895.0	700.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
10.2	35.5	3140.0	675.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
11.1	37.7	3385.0	650.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
12.0	39.9	3630.0	625.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
12.9	42.1	3875.0	600.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
13.8	44.3	4120.0	575.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
14.7	46.5	4365.0	550.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
15.6	48.7	4610.0	525.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
16.5	50.9	4855.0	500.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
17.4	53.1	5100.0	475.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
18.3	55.3	5345.0	450.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
19.2	57.5	5590.0	425.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
20.1	59.7	5835.0	400.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
21.0	61.9	6080.0	375.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
21.9	64.1	6325.0	350.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
22.8	66.3	6570.0	325.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
23.7	68.5	6815.0	300.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
24.6	70.7	7060.0	275.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
25.5	72.9	7305.0	250.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
26.4	75.1	7550.0	225.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
27.3	77.3	7795.0	200.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
28.2	79.5	8040.0	175.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
29.1	81.7	8285.0	150.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
30.0	83.9	8530.0	125.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
30.9	86.1	8775.0	100.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
31.8	88.3	9020.0	75.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
32.7	90.5	9265.0	50.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0
33.6	92.7	9510.0	25.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	000.0

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



STATION NO. 32  
 MINOTON, OKLAHOMA  
 9 MAY 1979  
 1105 GMT

113 100. 0

TIME MIN	CMCT	HEIGHT GPM	RMS MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	WIND M/SEC	WIND M/SEC	V CORP M/SEC	PCT DG K	E PCT DG K	ME RTC GM/KG	RH PCT	RANGE KM	AZ DG
0.0	15.0	907.0	943.2	18.9	17.7	193.0	0.0	2.3	0.5	297.0	322.9	13.7	93.0	0.0	0.0	
0.0	0.0	94.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
0.0	0.0	94.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
0.0	0.0	99.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
0.5	12.7	675.3	925.0	19.1	16.8	183.7	19.5	1.2	19.6	298.9	333.7	13.2	86.5	0.5	2.0	
1.0	14.9	610.0	900.0	17.3	16.0	167.1	22.5	2.8	20.3	299.4	333.5	12.9	92.1	1.5	3.0	
2.1	17.1	1152.0	875.0	15.8	14.9	195.3	27.3	7.2	20.3	300.2	333.1	12.3	94.6	2.5	6.0	
2.3	14.6	1178.0	850.0	14.2	13.3	205.0	26.2	11.9	25.0	301.1	331.0	11.6	94.3	4.0	11.0	
3.4	21.6	1452.1	825.0	16.3	12.7	214.5	20.2	14.0	21.6	305.9	336.9	11.3	80.0	5.3	16.0	
4.6	24.3	1316.0	800.0	22.0	-30.5	239.9	22.6	11.2	19.2	315.6	317.0	0.2	2.0	7.4	20.0	
5.6	26.3	2150.2	775.0	20.4	-28.1	208.9	17.6	6.4	15.2	316.4	317.0	0.2	1.0	8.2	21.0	
6.2	24.7	2471.1	750.0	18.2	-29.4	239.1	20.8	10.1	10.2	316.4	317.0	0.2	1.0	8.2	21.0	
7.0	11.1	2759.5	725.0	16.0	-40.1	211.5	21.4	11.2	18.2	317.5	317.5	0.1	1.0	9.4	22.0	
7.3	33.6	3055.7	700.0	15.5	-41.6	211.5	22.2	11.5	16.9	317.5	317.5	0.1	1.0	10.4	23.0	
8.7	36.1	3332.6	675.0	11.1	-37.3	203.1	23.0	10.0	20.3	318.0	316.0	0.2	1.0	12.9	24.0	
9.7	34.7	3472.1	650.0	7.9	-26.3	205.2	24.1	10.2	21.0	317.9	320.2	0.7	5.2	14.4	24.0	
13.6	61.3	3993.3	575.0	4.0	-26.3	203.2	25.0	10.1	22.5	317.7	320.2	0.7	5.2	14.4	24.0	
13.9	43.9	4373.6	600.0	1.5	-28.5	203.2	24.1	9.5	22.1	317.9	320.0	0.6	0.5	16.3	24.0	
14.2	47.7	4604.4	575.0	-1.2	-27.2	201.3	23.9	8.4	22.0	316.6	319.0	0.1	0.7	18.1	24.0	
14.6	62.6	5217.4	550.0	-3.1	-21.9	197.2	19.5	5.0	16.6	320.5	320.7	0.1	0.0	19.8	24.0	
15.7	52.7	5131.7	525.0	-5.6	-20.3	159.0	17.0	5.5	16.0	321.7	322.6	0.2	0.0	21.1	23.0	
16.8	55.1	5763.5	500.0	-8.9	-38.8	201.0	13.0	4.0	12.1	322.2	322.2	0.2	0.0	22.9	23.0	
18.0	59.1	6158.0	475.0	-12.5	-40.0	208.9	11.5	3.2	10.3	322.3	322.3	0.2	0.0	23.7	23.0	
19.7	61.1	6597.4	450.0	-16.7	-32.3	210.4	13.2	6.7	11.6	322.3	324.3	0.6	0.0	25.0	23.0	
21.3	67.6	6793.9	425.0	-20.4	-39.8	206.2	12.1	5.4	10.9	322.9	324.3	0.5	0.0	26.5	23.0	
22.2	64.3	6793.9	425.0	-23.4	-42.1	199.4	14.5	4.3	12.1	324.4	325.3	0.2	0.0	28.4	23.0	
24.1	70.9	7438.6	375.0	-27.1	-43.7	199.0	14.5	4.7	13.7	325.8	326.5	0.2	0.0	26.5	23.0	
24.1	74.6	8022.6	350.0	-30.4	-46.3	207.3	15.0	7.2	14.0	327.8	328.3	0.1	0.0	27.9	23.0	
25.1	74.6	8022.6	325.0	-34.2	-48.3	217.4	23.6	14.3	18.7	329.6	329.6	0.1	0.0	29.0	20.0	
29.3	81.9	9080.0	300.0	-38.5	-55.4	214.9	21.7	13.3	15.3	331.2	331.2	0.1	0.0	33.0	20.0	
30.1	85.9	10070.7	275.0	-44.3	-69.0	231.7	21.9	17.1	13.5	331.1	331.1	0.0	0.0	35.0	27.0	
31.7	92.0	10701.0	250.0	-49.9	-79.9	236.3	23.3	19.4	13.0	332.0	332.0	0.0	0.0	37.0	30.0	
31.6	96.4	11342.3	225.0	-55.9	-99.9	236.4	22.5	18.7	12.5	332.0	332.0	0.0	0.0	39.0	30.0	
35.0	99.2	12124.6	200.0	-60.6	-99.9	220.7	21.0	16.1	16.0	336.0	336.0	0.0	0.0	41.1	31.0	
36.3	104.2	12945.3	175.0	-64.3	-99.9	232.6	24.3	18.9	15.3	343.9	343.9	0.0	0.0	43.4	32.0	
39.3	109.8	13718.9	150.0	-68.6	-99.9	231.0	25.3	20.2	15.5	368.6	368.6	0.0	0.0	47.0	34.0	
42.0	116.0	15046.2	125.0	-64.0	-99.9	239.9	29.9	29.9	29.9	403.6	403.6	0.0	0.0	51.2	35.0	
45.9	123.0	16414.9	100.0	-61.6	-99.9	249.9	29.9	29.9	29.9	403.6	403.6	0.0	0.0	51.2	35.0	
49.9	99.9	99.9	75.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
50.9	99.9	99.9	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
54.9	99.9	99.9	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
59.9	99.9	99.9	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME .1%YC BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 32  
 HINTON, OKLAHOMA  
 9 MAY 1979  
 1730 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U CLIP M/SEC	V COMPI M/SEC.	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.2	12.2	507.0	944.4	26.6	17.1	185.0	9.3	9.8	9.3	304.7	340.4	13.1	56.0	0.0	0.
9.2	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	97.0	99.9	99.9	999.9	99.9	999.9	999.9	999.9
6.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.2	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3.6	14.2	688.5	925.0	21.6	17.1	170.0	17.6	-3.1	17.3	301.4	337.3	13.4	75.5	0.3	352.
1.0	16.6	926.1	900.0	19.2	17.0	172.9	16.6	-2.0	15.5	301.4	337.3	13.7	86.2	0.8	351.
1.6	17.1	1461.3	875.0	17.0	15.9	183.3	17.3	1.2	17.2	301.5	336.6	13.1	93.1	1.4	353.
2.4	21.4	1416.3	850.0	16.2	15.2	200.9	18.4	6.6	17.1	303.1	338.0	12.9	93.9	2.2	0.
3.8	24.2	1670.7	825.0	15.5	14.5	218.7	15.6	6.9	12.9	305.0	339.7	12.0	94.2	3.2	10.
4.3	26.4	1912.4	800.0	14.1	10.3	207.9	13.7	6.4	12.1	306.2	333.7	9.9	77.2	3.9	15.
5.1	29.4	2202.4	775.0	19.1	-9.1	193.4	15.5	3.6	15.2	314.4	322.1	2.5	13.9	4.5	15.
5.9	32.1	2493.6	750.0	16.4	-18.0	193.1	19.4	4.4	18.9	317.1	321.1	1.2	6.8	5.4	15.
6.2	34.9	2772.2	725.0	16.4	-19.4	195.4	22.9	6.1	22.1	317.4	321.1	1.1	7.0	6.6	15.
7.7	37.6	3099.3	700.0	13.9	-19.7	194.3	23.1	7.2	22.0	317.9	322.3	1.3	8.9	7.9	15.
8.9	43.4	3373.5	675.0	11.1	-18.9	202.1	22.3	6.4	20.7	318.0	322.2	1.1	10.7	9.4	16.
10.0	43.3	3586.4	650.0	7.8	-21.1	202.5	22.9	6.3	21.1	317.8	321.2	1.1	10.7	10.9	17.
11.0	46.3	3927.7	625.0	4.7	-20.7	202.5	22.2	8.5	20.5	317.9	321.7	1.2	13.7	12.3	17.
12.2	44.3	4318.4	600.0	1.7	-23.9	200.8	21.9	7.8	20.5	318.1	321.4	1.0	14.0	13.8	18.
13.4	52.3	4679.3	575.0	-1.6	-23.5	199.3	23.1	7.6	21.8	318.2	321.5	0.8	16.8	15.4	18.
14.5	55.4	5031.0	550.0	-4.7	-26.6	198.2	24.0	7.5	22.8	318.5	321.2	0.8	16.1	17.0	18.
15.3	58.5	5395.8	525.0	-6.5	-33.7	197.7	24.6	7.5	23.4	320.6	323.0	0.4	9.3	18.9	18.
17.1	61.8	5774.9	500.0	-9.3	-35.6	200.4	20.8	7.3	19.5	321.7	323.0	0.4	9.6	20.7	18.
18.4	65.1	6169.6	475.0	-12.6	-35.5	205.0	20.8	8.8	18.8	322.3	323.7	0.4	12.6	22.3	19.
19.7	64.6	6578.4	450.0	-16.2	-38.1	203.7	21.6	8.7	19.8	322.9	324.0	0.3	13.0	24.0	19.
21.1	72.0	7006.3	425.0	-19.1	-40.3	204.4	24.0	9.9	21.9	324.5	325.5	0.3	13.2	25.7	19.
22.5	75.7	7454.4	400.0	-22.7	-43.0	204.6	23.8	11.4	20.9	325.5	326.3	0.2	13.6	26.0	20.
24.4	79.4	7924.4	375.0	-26.2	-45.7	211.3	25.4	13.2	21.7	327.0	327.6	0.2	13.9	30.5	21.
26.1	81.3	8420.1	350.0	-30.4	-47.5	218.8	23.3	14.8	18.2	327.8	328.3	0.1	16.7	32.0	22.
27.8	87.3	8943.2	325.0	-33.9	-49.2	219.1	27.7	17.5	21.5	330.0	330.5	0.1	19.3	35.5	23.
29.4	91.7	9499.1	300.0	-38.2	-51.9	220.5	29.9	19.4	22.8	331.6	332.0	0.1	21.7	38.8	24.
31.9	96.2	10381.7	275.0	-42.9	-54.9	221.6	32.2	21.4	24.1	333.0	333.0	99.9	99.9	42.6	26.
34.4	101.0	10726.2	250.0	-48.5	-59.9	224.4	30.3	23.0	18.7	333.9	333.9	99.9	99.9	47.0	28.
37.0	106.0	11411.6	225.0	-53.2	-65.9	228.5	29.8	23.6	18.1	336.9	336.9	99.9	99.9	50.8	30.
39.6	111.5	12162.9	200.0	-57.7	-69.9	228.3	31.4	19.4	26.6	341.3	341.3	99.9	99.9	56.0	31.
42.3	117.5	12795.1	175.0	-63.1	-72.9	229.3	25.9	22.2	13.2	345.8	345.8	99.9	99.9	61.0	32.
45.1	123.8	13350.1	150.0	-60.2	-69.9	228.2	36.2	27.0	24.1	346.3	346.3	99.9	99.9	65.5	33.
48.9	131.0	15093.2	125.0	-60.1	-69.9	217.0	28.6	17.2	22.9	346.2	346.2	99.9	99.9	73.5	34.
52.8	138.7	16477.1	100.0	-60.2	-69.9	99.9	99.9	99.9	99.9	411.5	411.5	99.9	99.9	99.9	99.9
54.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
66.9	99.9	99.9	25.0	99.9	99.9	72.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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. 32  
MINOTON, OKLAHOMA  
9 MAY 1979  
2000 GMT

TIME MIN	CNTY	HEIGHT GPM	PRES HG	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	WX RTO GM/HC	RH PCT	RANGE KM	AZ DG
0.0	11.9	507.0	988.1	26.7	18.6	180.0	6.7	0.0	6.7	304.8	143.9	14.4	61.8	126	100.0
00.9	99.9	99.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03.9	99.9	99.9	925.0	22.5	17.7	172.9	15.9	-2.0	15.8	302.3	339.8	14.0	70.5	6.5	357.0
04.9	18.1	924.5	900.0	20.5	16.9	170.9	17.0	-2.7	16.8	302.6	339.3	13.6	80.1	1.3	353.0
05.9	18.0	1167.9	875.0	18.3	16.2	177.7	16.7	-9.7	16.7	302.6	339.3	13.6	87.5	2.2	353.0
06.9	21.3	1817.9	850.0	18.0	14.8	186.0	14.9	1.0	14.8	305.0	339.4	12.6	81.6	3.1	355.0
07.9	4.1	1672.5	825.0	16.0	13.3	191.1	11.9	2.3	11.7	305.5	337.7	11.8	84.2	3.7	357.0
08.9	5.1	1933.8	800.0	13.9	12.4	192.8	12.3	2.7	12.0	305.9	337.6	11.5	91.2	4.4	0.0
09.9	6.2	2231.1	775.0	11.1	10.2	192.9	13.2	2.9	12.8	305.8	333.9	10.2	94.1	5.1	2.0
10.9	7.1	2976.0	750.0	11.5	-39.4	193.2	17.1	3.9	16.7	313.5	316.0	8.2	1.1	5.9	3.0
11.9	31.9	2763.6	725.0	16.0	-32.7	197.9	20.0	6.1	19.1	317.0	317.6	8.2	1.0	7.1	5.0
12.9	31.6	3353.7	700.0	14.3	-38.2	200.9	22.7	8.1	21.2	318.4	318.9	8.2	1.2	8.4	7.0
13.9	31.2	3368.6	675.0	11.8	-38.9	202.3	23.1	8.8	21.4	318.8	319.5	8.2	1.3	9.6	10.0
14.9	31.2	3368.6	650.0	8.9	-39.9	198.9	24.7	8.0	23.4	319.1	319.8	8.2	1.8	11.0	11.0
15.9	42.0	3378.7	625.0	5.7	-32.2	194.4	24.6	6.1	23.6	319.0	320.6	8.5	5.1	12.6	12.0
16.9	47.8	4332.5	600.0	2.6	-32.2	192.2	24.2	5.1	23.6	319.2	320.6	8.4	5.5	14.7	12.0
17.9	51.8	4374.2	575.0	-0.6	-29.4	193.3	23.3	6.2	22.5	319.3	321.2	8.6	6.7	17.0	12.0
18.9	51.8	5377.2	550.0	-3.8	-31.3	202.3	22.2	8.4	20.4	319.5	321.2	8.5	9.0	19.0	13.0
19.9	50.9	5377.2	525.0	-6.7	-42.6	203.3	23.5	10.1	21.2	320.4	321.0	8.2	3.9	20.8	14.0
20.9	60.0	5771.2	500.0	-9.2	-46.4	203.3	29.1	10.1	27.6	321.9	322.4	8.1	3.8	22.9	15.0
21.9	61.1	6166.1	475.0	-11.7	-45.6	200.2	29.4	10.1	27.6	323.5	324.0	8.1	4.0	24.9	15.0
22.9	64.6	6577.6	450.0	-14.9	-47.2	203.9	23.5	9.5	21.5	324.5	324.9	8.1	6.4	27.0	16.0
23.9	70.1	7207.2	425.0	-17.9	-48.8	202.2	26.1	11.9	23.2	326.1	326.5	8.1	6.7	29.5	16.0
24.9	73.7	7457.6	400.0	-20.6	-50.3	212.1	28.7	15.3	24.3	328.2	328.5	8.1	9.0	32.3	17.0
25.9	77.3	7931.2	375.0	-23.0	-48.7	218.7	30.7	17.5	25.3	328.5	329.0	8.1	11.2	35.4	19.0
26.9	81.2	8424.6	350.0	-26.5	-49.2	222.1	28.9	18.0	19.9	330.4	330.8	8.1	11.5	38.3	20.0
27.9	85.2	8954.8	325.0	-29.0	-52.6	225.2	28.7	20.4	20.2	331.4	331.8	8.1	11.9	40.8	22.0
28.9	88.3	9513.2	300.0	-32.0	-56.0	224.6	30.2	21.2	19.2	332.4	332.6	8.1	12.4	43.9	24.0
29.9	91.8	10107.9	275.0	-34.1	-59.7	224.6	30.2	21.2	21.5	334.3	334.9	8.1	99.9	47.3	26.0
30.9	95.8	10745.8	250.0	-37.5	-59.9	222.6	33.2	22.4	24.4	335.4	335.9	8.1	99.9	51.9	27.0
31.9	103.4	11433.3	225.0	-39.2	-59.9	233.4	31.9	24.6	17.0	340.4	339.9	8.1	99.9	56.5	29.0
32.9	109.9	12183.8	200.0	-39.1	-59.9	233.6	30.0	24.8	17.0	340.4	339.9	8.1	99.9	60.8	30.0
33.9	116.6	13166.0	175.0	-32.5	-59.9	233.6	28.6	24.5	17.3	346.8	346.8	8.1	99.9	64.8	32.0
34.9	121.0	13776.0	150.0	-39.6	-59.9	225.0	34.7	24.5	24.5	347.4	347.4	8.1	99.9	69.3	33.0
35.9	128.0	15118.5	125.0	-60.5	-59.9	199.9	99.9	99.9	99.9	348.5	348.5	8.1	99.9	74.6	34.0
36.9	136.0	16503.8	100.0	-61.0	-59.9	199.9	99.9	99.9	99.9	349.8	349.8	8.1	99.9	79.9	35.0
37.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 16 DEG  
00 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 32  
 HINTON, OKLAHOMA  
 9 MAY 1979  
 2303 GMT

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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	POF T DG K	E POF T DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	11.5	907.0	942.5	24.8	18.7	180.0	7.7	0.0	7.7	303.0	342.3	14.4	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	999.9
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	999.9
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	999.9
3.4	13.1	671.9	925.0	23.7	18.9	157.3	16.6	-6.4	15.3	303.6	344.0	15.0	76.4	0.4	334.
1.5	15.3	911.3	900.0	21.6	18.1	157.7	16.2	-0.1	15.0	303.8	343.5	14.8	80.7	0.9	336.
1.6	17.5	1155.9	875.0	18.8	17.5	158.6	16.2	-0.1	15.5	303.4	342.5	14.5	91.7	1.5	337.
2.3	19.7	1305.3	850.0	16.7	15.9	165.8	16.6	-4.1	16.1	303.7	340.2	13.5	96.9	2.2	337.
3.2	22.3	1659.6	825.0	15.0	14.1	176.8	17.1	-1.0	18.1	304.5	338.2	12.4	94.1	3.1	342.
4.0	24.4	1920.4	800.0	13.2	11.2	182.0	17.9	0.6	17.9	305.3	335.7	11.1	91.9	4.0	348.
5.1	26.6	2188.4	775.0	11.6	-5.4	193.4	20.6	4.2	20.1	310.6	324.5	4.8	38.4	5.0	350.
6.0	28.3	2464.4	750.0	10.7	-21.6	195.2	23.0	6.1	22.2	316.9	319.9	0.9	5.0	6.2	356.
7.1	31.4	2757.4	725.0	10.2	-25.7	191.1	23.9	4.6	23.5	317.2	319.4	0.6	4.1	7.6	358.
7.9	31.8	3054.1	700.0	10.2	-26.5	194.9	26.8	5.5	26.2	318.2	320.3	0.6	4.3	8.9	1.
8.7	35.1	3351.1	675.0	11.8	-27.6	194.4	27.9	6.9	27.1	318.9	320.9	0.6	4.5	10.2	2.
9.7	38.6	3674.9	650.0	8.9	-23.9	199.9	26.5	9.0	24.9	319.0	321.9	0.9	7.8	11.8	4.
10.9	41.1	3995.2	625.0	6.2	-25.5	201.8	26.0	10.5	23.8	319.5	322.1	0.8	8.0	13.5	7.
12.1	43.8	4327.6	600.0	3.2	-27.4	205.0	25.6	10.8	23.2	319.6	322.1	0.7	6.3	15.3	9.
13.3	46.4	4670.1	575.0	-0.2	-29.6	202.6	27.0	10.4	25.9	319.9	321.6	0.5	9.0	19.0	11.
14.4	49.1	5023.4	550.0	-3.5	-31.7	199.6	27.3	9.1	25.7	322.5	323.7	0.3	6.3	20.7	12.
15.5	51.9	5370.3	525.0	-4.9	-36.4	201.7	27.0	10.0	25.1	322.5	323.7	0.3	6.6	22.4	13.
16.5	54.9	5711.6	500.0	-7.7	-38.1	205.9	29.1	12.7	26.2	323.7	324.7	0.3	6.9	24.3	14.
17.7	57.5	6168.2	475.0	-10.8	-40.0	212.4	27.0	14.4	22.8	324.6	325.5	0.2	7.3	26.3	14.
19.1	60.8	6681.0	450.0	-14.2	-42.1	215.1	27.9	16.0	22.8	325.4	326.2	0.2	7.6	28.3	16.
20.6	63.9	7211.5	425.0	-17.9	-44.4	219.7	29.1	18.6	22.4	326.1	326.7	0.2	7.6	28.9	18.
22.4	67.1	7662.1	400.0	-20.9	-43.4	225.6	28.1	20.1	19.7	327.9	328.6	0.2	11.1	31.6	20.
24.1	70.4	7936.1	375.0	-23.6	-48.2	224.2	29.0	22.0	19.0	330.4	330.9	0.1	8.2	34.5	23.
25.1	73.9	8337.0	350.0	-27.2	-50.6	234.4	30.0	24.3	17.5	332.1	332.5	0.1	6.6	37.3	25.
27.9	77.4	8986.5	325.0	-31.7	-52.9	238.4	29.8	24.8	16.5	333.0	333.4	0.1	10.3	40.1	27.
29.9	81.1	9526.8	300.0	-36.8	-55.4	238.5	29.8	25.5	15.6	333.5	333.8	0.1	12.3	43.1	30.
32.2	85.0	10122.5	275.0	-41.9	-59.9	238.2	28.6	24.3	15.1	334.5	334.9	0.1	999.9	46.0	32.
34.5	89.0	10761.1	250.0	-47.1	-64.1	233.4	27.3	21.9	16.3	336.1	336.5	0.1	999.9	50.6	34.
37.9	93.4	11453.6	225.0	-52.5	-69.9	238.8	29.7	25.4	15.4	338.0	338.0	0.1	999.9	55.4	36.
42.8	92.0	12203.0	200.0	-57.3	-74.3	254.3	34.1	32.9	9.3	342.0	342.0	0.1	999.9	60.4	39.
43.3	103.0	13035.0	175.0	-63.4	-79.9	256.6	32.4	31.5	7.5	345.3	345.3	0.1	999.9	64.4	42.
47.1	108.5	13991.8	150.0	-61.6	-84.2	231.8	30.8	24.2	19.0	348.8	348.8	0.1	999.9	69.2	43.
50.1	114.5	15115.7	125.0	-64.2	-89.9	231.8	30.8	24.2	19.0	348.8	348.8	0.1	999.9	76.3	46.
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	999.9
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	999.9
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	999.9
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	999.9

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

STATION NO. 32  
 WINTON, OKLAHOMA

19 MAY 1979  
 205 GMT

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TIME MIN	CHCT	HEIGHT GPH	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	WX WFO GM/KG	RH PCT	RANGE KM	AZ DG
0-0	12-3	507.0	942.3	22.9	18.2	145.0	7.7	-4.6	6.3	301.1	336.9	14.2	75.8	0.0	0.
0-3	09-9	99.9	1006.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-6	09-9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0-9	09-9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
1-2	14-0	669.1	925.0	22.9	19.5	155.1	20.0	-8.4	18.2	302.7	348.5	15.6	81.1	0.4	334.
1-5	16-4	908.0	908.0	20.8	19.8	158.1	22.0	-8.2	20.4	303.0	348.7	16.4	93.7	1.2	335.
2-1	18-9	1151.6	875.0	18.4	17.5	163.8	23.7	-8.6	22.8	302.9	342.0	14.6	94.6	2.4	338.
2-9	21-3	1400.7	850.0	17.3	16.4	170.9	24.0	-3.8	23.7	304.3	342.0	14.8	96.5	3.7	341.
3-7	23-8	1655.6	825.0	15.1	14.4	175.9	23.5	-1.7	23.4	304.8	339.2	12.6	94.2	4.8	344.
4-5	26-3	1917.1	800.0	14.6	13.7	180.4	22.5	0.2	22.5	306.7	341.0	12.5	94.6	5.8	347.
5-3	28-9	2184.9	775.0	11.7	10.6	191.4	20.4	4.0	20.0	306.4	345.5	10.6	94.1	6.8	349.
6-1	31-5	2460.1	750.0	14.1	-26.6	203.5	22.3	9.4	20.1	311.9	313.8	8.6	4.3	7.7	353.
7-0	34-1	2747.0	725.0	15.8	-25.8	203.3	26.5	10.5	24.3	316.8	319.0	8.6	4.1	8.9	358.
8-3	36-9	3043.3	700.0	14.0	-26.6	197.4	27.0	8.1	25.8	318.0	320.1	8.6	4.3	10.3	1.
8-9	39-6	3349.0	675.0	11.5	-29.6	196.4	28.6	8.1	27.4	318.6	320.3	8.5	3.8	11.8	3.
9-9	42-4	3661.2	650.0	8.8	-38.9	201.4	26.6	9.7	24.8	318.9	319.6	8.2	1.8	13.3	5.
10-9	45-2	3983.5	625.0	5.9	-39.3	204.6	26.4	11.0	24.0	319.2	319.9	8.2	2.1	14.8	7.
11-9	48-1	4315.3	600.0	2.7	-40.0	208.1	27.5	11.9	24.8	319.3	320.0	8.2	2.5	16.5	9.
13-1	51-0	4857.2	575.0	-0.4	-40.9	209.2	27.5	13.0	24.3	319.6	320.2	8.2	2.8	18.3	11.
14-3	54-0	5176.5	550.0	-3.7	-42.1	209.7	28.6	14.2	24.9	319.8	320.4	8.2	3.2	20.3	12.
15-5	57-1	5476.5	525.0	-5.4	-42.9	210.6	27.0	13.7	23.2	321.9	322.9	8.2	3.3	22.3	14.
16-7	60-3	5757.6	500.0	-8.1	-42.3	216.7	26.0	14.8	21.4	323.2	323.9	8.2	4.5	24.0	15.
17-9	63-5	6153.3	475.0	-11.8	-32.0	216.4	27.3	16.2	22.0	323.6	325.4	8.6	17.3	25.8	17.
19-1	66-9	6564.3	450.0	-15.2	-29.5	217.9	29.0	17.8	22.9	324.2	326.7	8.7	28.2	27.8	18.
20-6	70-3	6994.2	425.0	-19.2	-33.8	223.7	27.1	18.7	19.6	325.7	327.5	8.9	23.9	29.7	20.
21-8	73-9	7444.2	400.0	-21.9	-39.5	219.5	30.7	19.5	23.7	326.6	327.7	8.3	18.4	31.9	22.
23-3	77-4	7916.1	375.0	-25.0	-44.1	223.8	29.5	20.4	21.3	328.6	329.3	8.2	14.8	34.4	23.
25-1	81-2	8413.4	350.0	-28.0	-46.5	226.6	30.1	21.9	20.7	329.9	330.5	8.2	16.2	37.5	25.
27-2	85-2	8934.9	325.0	-32.6	-50.6	228.6	31.7	23.0	21.8	331.7	332.1	8.1	16.5	41.1	27.
29-4	89-3	9499.4	300.0	-36.8	-53.9	228.6	31.6	22.8	22.8	333.6	333.9	8.1	14.9	45.1	29.
31-7	93-8	10075.5	275.0	-42.0	-59.9	221.8	31.6	21.0	23.5	334.4	334.4	8.1	94.9	49.3	30.
34-0	98-4	10734.9	250.0	-46.6	-66.6	224.3	31.0	21.7	22.2	336.8	336.8	8.1	94.9	53.7	31.
36-2	103-4	11425.5	225.0	-51.7	-74.9	217.8	26.5	22.4	14.1	339.4	339.4	8.1	94.9	57.3	32.
37-8	109-6	12180.5	200.0	-56.6	-82.0	214.4	26.2	25.9	3.0	343.1	343.1	8.1	94.9	59.3	33.
39-8	114-6	13014.8	175.0	-63.3	-92.9	99.9	99.9	99.9	99.9	345.6	345.6	8.1	94.9	999.9	999.9
42-9	99-9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
46-9	99-9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
50-9	99-9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
54-9	99-9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
59-9	99-9	99.9	50.0	94.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
64-9	99-9	99.9	25.0	91.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

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



STATION NO. 32  
HINTON, ULLAMONA

10 MAY 1979 000 GMT

120 103. 0

TIME MIN	CHTY	WEIGHT GPH	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 SPD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	12.0	507.0	944.6	21.9	18.5	150.0	3.1	-1.5	2.7	299.9	330.0	10.4	81.0	0.0	0.
00.0	09.0	99.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
05.0	09.0	99.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.0	09.0	99.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.7	13.0	689.3	925.0	20.2	19.2	173.0	15.5	-1.6	15.4	300.0	340.5	19.3	93.0	0.4	351.
1.5	10.4	926.3	900.0	19.1	18.1	169.0	20.2	1.7	19.1	301.2	340.4	16.7	94.3	1.4	357.
2.6	10.9	1168.0	875.0	19.0	17.1	197.8	22.8	7.0	21.7	302.5	340.5	14.2	94.1	2.7	4.
3.4	21.4	1417.7	830.0	17.0	15.9	210.3	22.7	11.5	19.6	304.0	340.6	13.6	93.5	3.0	10.
6.4	25.0	1472.6	825.0	15.8	14.7	218.7	24.0	15.0	18.7	305.3	340.4	12.9	93.3	5.1	17.
9.1	25.6	1494.5	800.0	14.5	13.4	221.0	24.0	15.7	18.1	306.6	340.0	12.2	93.1	6.4	22.
6.3	23.2	2202.5	775.0	12.1	10.9	223.3	22.0	15.4	16.9	306.6	336.3	10.7	92.7	7.7	29.
7.4	32.0	2477.7	750.0	10.4	9.3	225.8	22.3	15.1	16.4	307.1	335.4	9.9	92.9	9.0	28.
6.3	35.6	2763.5	725.0	9.2	8.0	223.8	23.5	16.3	17.0	309.5	335.9	9.4	92.3	10.3	30.
6.3	37.3	3051.6	700.0	7.2	6.1	220.7	26.4	17.2	20.0	310.5	336.6	8.5	92.4	11.7	32.
12.3	41.1	3353.6	675.0	6.1	5.2	219.0	27.6	17.3	21.8	312.5	331.8	8.7	75.6	13.4	33.
11.4	43.0	3603.3	650.0	6.6	-12.9	216.2	26.4	15.6	21.3	316.5	323.3	2.7	23.3	15.1	33.
12.6	43.9	3800.8	625.0	4.3	-20.4	212.2	26.1	12.8	20.3	317.4	321.4	1.2	14.7	17.0	33.
14.2	45.9	4311.4	600.0	1.9	-31.7	207.3	26.5	12.1	43.5	318.3	319.9	0.5	6.3	19.2	33.
15.8	51.9	4653.6	575.0	0.3	-49.8	203.3	29.2	12.0	26.6	320.3	323.6	0.1	1.0	22.1	32.
17.4	55.3	5208.1	550.0	-1.6	-61.4	200.5	24.6	11.9	21.6	322.2	322.8	0.2	2.8	24.5	31.
18.6	58.1	5376.4	525.0	-4.7	-75.7	213.1	26.1	14.3	21.9	322.8	325.0	0.3	6.5	26.4	31.
19.7	61.3	5757.9	500.0	-7.9	-83.9	215.4	29.1	16.9	23.7	323.6	325.0	0.5	10.9	28.2	31.
22.9	65.7	6153.6	475.0	-12.2	-95.0	217.5	24.0	15.8	20.6	322.0	325.3	0.4	12.9	30.1	32.
22.3	69.1	6564.8	450.0	-14.9	-102.5	216.8	26.2	15.0	21.6	326.6	325.3	0.2	7.3	32.3	32.
25.0	71.6	6975.5	425.0	-17.3	-108.5	210.7	29.5	15.1	25.4	326.6	327.0	0.1	4.6	35.2	32.
25.9	75.1	7466.7	400.0	-20.3	-124.8	209.7	28.8	13.0	25.7	328.6	328.7	0.0	1.6	38.5	32.
27.5	80.0	7721.0	375.0	-23.3	-144.8	209.0	27.0	12.3	24.0	330.8	330.9	0.0	1.8	41.2	31.
27.2	82.7	8023.1	350.0	-26.9	-167.1	211.6	25.0	13.6	22.0	332.5	332.5	0.0	1.8	44.0	31.
31.1	86.7	8952.8	325.0	-31.2	-190.0	213.4	26.0	15.5	21.7	333.7	333.7	0.0	1.0	46.8	32.
33.1	91.0	9514.2	300.0	-36.3	-213.3	210.5	25.2	15.0	20.3	334.3	334.3	0.0	1.0	49.9	32.
35.5	95.4	10111.5	275.0	-41.0	-236.9	210.9	25.6	15.0	20.7	335.8	335.8	0.0	99.9	53.4	32.
37.9	102.2	10753.7	250.0	-47.1	-260.9	210.9	26.8	15.3	22.0	336.0	336.0	0.0	99.9	57.2	32.
42.1	105.2	11437.4	225.0	-53.2	-284.8	210.8	25.8	14.8	21.2	337.0	337.0	0.0	99.9	60.9	32.
42.7	110.5	12107.6	200.0	-53.7	-299.7	215.0	25.0	14.7	21.0	338.1	338.1	0.0	99.9	64.3	33.
43.7	116.3	13012.3	175.0	-62.7	-327.7	208.2	27.3	12.9	24.1	346.4	346.4	0.0	99.9	70.0	33.
44.7	123.8	13958.6	150.0	-63.6	-349.3	220.5	24.6	18.0	18.7	350.5	350.5	0.0	99.9	75.2	32.
53.9	130.0	15063.3	125.0	-64.6	-369.9	220.6	22.6	21.0	22.6	370.8	370.8	0.0	99.9	81.5	34.
99.8	09.9	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	999.9
99.9	09.9	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	999.9
99.9	09.9	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	999.9
99.9	09.9	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	999.9

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



STATION NO. 32  
HINTON, OKLAHOMA

10 MAY 1979  
1105 GMT

113 103. 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 Y DG K	E POT Y DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0-0	11.3	507.0	946.5	10.3	9.7	330.0	5.7	2.7	-4.2	288.0	308.7	8.0	96.0	0.0	0.
0-9	97.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.7	99.9	999.9	999.9	999.9
0-9	92.9	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	999.9
0-9	92.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.7	99.9	999.9	999.9	999.9
0-6	13.3	698.7	925.0	12.9	10.5	153.3	14.9	-6.7	13.3	290.5	313.5	8.8	97.2	0.8	156.
1-6	15.5	931.5	900.0	18.6	16.3	181.3	8.5	0.2	8.5	298.4	333.2	13.1	98.1	0.3	147.
2-1	17.8	1172.7	875.0	16.9	16.6	191.7	13.3	2.7	13.1	301.4	338.1	13.8	98.1	0.3	59.
2-8	23.1	1629.6	850.0	16.1	15.7	194.8	16.3	4.2	15.8	303.0	339.1	13.4	98.0	0.9	26.
3-9	22.5	1675.4	825.0	15.1	14.7	201.7	17.1	6.4	15.9	304.5	339.5	12.9	97.9	1.7	23.
4-6	24.8	1916.5	800.0	13.7	13.3	204.5	19.2	7.6	16.6	305.7	338.9	12.1	97.6	2.6	23.
5-2	27.1	2238.2	775.0	11.9	11.5	212.2	18.0	9.6	15.2	306.6	337.1	11.1	97.4	3.6	24.
6-1	24.6	2879.3	750.0	11.1	10.1	999.9	99.9	97.9	99.2	308.6	337.8	10.5	93.8	999.9	999.9
7-0	31.9	2782.4	725.0	9.6	7.8	999.9	99.9	99.9	99.9	310.6	334.8	9.5	92.3	999.9	999.9
8-5	34.4	3053.3	700.0	7.3	6.1	999.9	99.9	99.9	99.9	312.2	334.8	7.9	91.0	999.9	999.9
9-7	36.9	3352.6	675.0	5.8	4.5	999.9	99.9	99.9	99.9	314.0	330.4	5.6	86.1	999.9	999.9
10-9	34.5	3681.3	650.0	4.4	-0.4	999.9	99.9	92.9	99.9	315.7	326.0	4.1	84.5	999.9	999.9
12-2	42.1	3493.2	625.0	2.8	-5.4	999.9	99.9	99.9	99.9	316.2	320.1	4.3	82.3	999.9	999.9
13-6	44.8	4309.5	600.0	0.0	-5.4	999.9	99.9	99.9	99.9	316.9	310.9	4.5	82.3	999.9	999.9
14-5	47.6	4687.3	575.0	-2.6	-5.2	999.9	99.9	99.9	99.9	318.1	328.4	3.4	70.4	999.9	999.9
15-5	50.3	5000.7	550.0	-5.1	-9.6	999.9	99.9	99.9	99.9	319.3	326.1	2.1	51.6	999.9	999.9
14-7	53.2	5364.9	525.0	-7.6	-15.8	999.9	99.9	99.9	99.9	322.1	326.0	1.3	36.8	999.9	999.9
14-1	56.1	5743.9	500.0	-9.0	-21.7	999.9	99.9	99.9	99.9	323.6	326.0	1.3	39.4	999.9	999.9
14-6	59.1	6139.2	475.0	-11.8	-22.6	999.9	99.9	99.9	99.9	324.7	320.3	1.4	51.7	999.9	999.9
21-3	62.2	6531.5	450.0	-14.8	-22.5	999.9	99.9	99.9	99.9	324.7	328.2	0.4	15.7	999.9	999.9
22-8	65.6	6942.4	425.0	-17.3	-23.2	999.9	99.9	99.9	99.9	328.6	328.5	0.4	1.0	999.9	999.9
24-5	69.6	7438.0	400.0	-20.5	-23.0	999.9	99.9	99.9	99.9	328.7	328.8	0.0	1.0	999.9	999.9
26-1	72.0	7707.1	375.0	-24.8	-24.8	999.9	99.9	99.9	99.9	329.8	329.8	0.0	1.0	999.9	999.9
27-9	75.6	8005.1	350.0	-28.9	-28.9	999.9	99.9	99.9	99.9	330.8	331.1	0.1	9.2	999.9	999.9
30-3	79.0	8493.1	325.0	-33.3	-34.9	999.9	99.9	99.9	99.9	332.8	333.9	0.3	56.2	999.9	999.9
32-6	82.9	8987.8	300.0	-37.3	-42.8	999.9	99.9	99.9	99.9	334.8	334.8	0.0	999.9	999.9	999.9
34-7	86.9	10081.9	275.0	-42.4	-47.9	999.9	99.9	99.9	99.9	336.4	336.4	0.0	999.9	999.9	999.9
37-1	91.0	10717.7	250.0	-47.9	-54.1	999.9	99.9	99.9	99.9	338.3	338.3	0.0	999.9	999.9	999.9
39-6	95.5	11403.3	225.0	-54.1	-59.9	999.9	99.9	99.9	99.9	339.9	339.9	0.0	999.9	999.9	999.9
41-8	100.2	12183.3	200.0	-61.4	-69.9	999.9	99.9	99.9	99.9	341.7	341.7	0.0	999.9	999.9	999.9
44-6	105.3	12945.5	175.0	-65.5	-79.9	999.9	99.9	99.9	99.9	343.0	343.0	0.0	999.9	999.9	999.9
49-5	110.3	13713.4	150.0	-63.3	-99.9	999.9	99.9	99.9	99.9	347.4	347.4	0.0	999.9	999.9	999.9
53-3	117.0	15032.1	125.0	-64.4	-99.9	999.9	99.9	99.9	99.9	348.4	348.4	0.0	999.9	999.9	999.9
60-9	97.9	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	999.9
69-9	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	999.9
90-9	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	999.9
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	999.9

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

STATION NO. 33  
AFVV, OKLAHOMA  
9 MAY 1979  
1105 GMT

103 179- 0

TIME MIN	CMTCF	HEIGHT GPM	PHES MB	TEMP DC C	DEW PT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT V DG K	E POT V DG K	MZ RTO GM/KG	RM PCT	RANGE KM	AZ DG
0-0	10-9	363-0	961-2	21-9	17-0	180-0	16-0	9-0	16-0	297-5	331-3	12-0	78-0	0-0	0-
00-9	09-9	94-0	1000-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	06-4	99-9	999-9	999-9
01-9	09-9	94-0	975-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	06-4	99-9	999-9	999-9
02-3	11-7	464-6	950-0	20-0	16-7	181-5	18-4	0-4	16-4	297-5	331-0	12-8	81-6	0-4	354-
03-9	14-1	694-6	900-0	18-4	16-4	189-6	17-7	1-4	17-6	298-1	331-6	12-9	81-6	0-4	358-
04-6	16-5	929-0	900-0	16-8	15-4	190-0	21-3	3-7	21-0	298-0	331-6	12-6	81-7	1-7	3-
05-6	18-7	1170-1	875-0	15-1	14-0	191-2	23-5	4-6	23-0	298-4	330-4	11-6	91-4	2-9	6-
06-3	21-4	1415-4	850-0	13-3	12-4	193-6	27-9	6-4	23-3	300-1	329-9	10-7	94-1	4-0	8-
07-3	23-2	1647-4	825-0	19-4	-37-9	205-0	27-3	11-5	24-8	309-3	318-0	0-2	1-0	5-3	11-
08-3	26-6	1934-6	800-0	21-9	-36-6	208-0	28-9	11-8	24-2	314-5	315-2	0-2	1-0	7-0	15-
09-2	24-0	2207-7	775-0	19-5	-38-0	206-4	26-1	11-6	23-4	314-8	315-4	0-2	1-0	8-4	17-
10-3	31-7	2487-8	750-0	17-3	-39-4	203-7	24-3	9-8	22-3	315-3	315-9	0-2	1-0	10-1	18-
11-3	34-3	2775-1	725-0	15-0	-40-7	200-2	22-4	7-7	21-0	316-0	316-5	0-1	1-0	11-5	19-
12-4	37-0	3369-0	700-0	12-3	-42-4	201-1	21-4	7-7	19-9	316-1	316-5	0-1	1-0	13-0	19-
13-7	34-8	3372-9	675-0	10-4	-36-0	203-5	18-2	7-3	16-7	317-3	316-2	0-3	2-4	14-4	19-
14-7	42-6	3694-9	650-0	7-8	-27-6	204-9	18-5	7-8	16-8	317-8	316-9	0-6	5-9	15-5	20-
15-8	45-3	4006-0	625-0	4-5	-25-4	206-3	17-5	7-8	15-7	317-6	320-2	0-6	9-1	16-7	20-
16-9	49-3	4336-3	600-0	1-2	-27-5	205-0	17-2	8-1	17-4	317-6	319-8	0-7	9-3	17-8	20-
17-9	51-2	4676-1	575-0	-2-3	-29-9	202-7	20-1	7-8	16-6	317-3	319-2	0-5	9-8	19-2	21-
18-2	54-3	5027-0	550-0	-5-2	-31-9	200-1	18-6	6-4	17-4	317-9	319-6	0-5	10-1	20-6	21-
19-4	57-6	5390-1	525-0	-7-8	-43-5	200-5	16-7	5-2	13-9	319-1	319-9	0-2	5-1	21-9	21-
20-8	60-5	5768-5	500-0	-9-7	-56-1	207-0	11-6	5-2	10-3	321-2	321-3	0-0	1-0	22-9	21-
21-1	63-4	6161-5	475-0	-13-2	-58-1	214-6	10-7	5-8	8-4	321-7	321-8	0-0	1-0	23-7	21-
22-4	67-1	6570-5	450-0	-6-6	-60-5	218-1	11-0	6-8	8-7	322-4	324-5	0-0	1-0	24-5	22-
23-9	70-6	6996-9	425-0	-23-2	-62-9	212-5	13-7	7-3	11-5	323-1	323-2	0-0	1-0	25-5	22-
24-6	74-1	7442-8	400-0	-44-1	-65-3	208-6	11-7	5-2	10-4	323-7	323-8	0-0	1-0	26-8	22-
25-4	77-7	7911-4	375-0	-27-2	-67-3	210-1	12-6	6-3	10-9	323-7	323-7	0-0	1-0	28-1	23-
26-2	81-6	8405-3	350-0	-30-6	-50-1	223-6	17-3	12-0	12-5	327-5	327-6	0-0	3-8	29-4	24-
27-0	85-6	8927-5	325-0	-34-5	-61-1	228-2	17-3	12-0	12-4	329-1	329-2	0-0	4-7	31-6	24-
28-2	89-9	9490-9	300-0	-39-6	-64-1	229-5	16-8	12-8	10-9	329-4	329-1	0-0	5-3	33-5	24-
29-7	94-2	10269-7	275-0	-44-8	-69-9	234-0	16-3	13-2	9-6	330-4	329-1	0-0	99-9	35-8	28-
30-7	98-7	10700-1	250-0	-47-8	-69-9	225-6	16-0	11-5	11-2	332-1	329-1	0-0	99-9	38-1	29-
31-9	103-6	11381-8	225-0	-50-0	-69-9	230-6	16-1	12-4	10-2	334-2	329-1	0-0	99-9	40-5	30-
32-7	109-0	12124-1	200-0	-60-7	-69-9	99-9	99-9	99-9	99-9	336-7	329-1	0-0	99-9	43-0	32-
33-9	06-9	98-9	175-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
34-9	09-9	99-9	150-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
35-9	09-9	99-9	125-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
36-9	09-9	99-9	100-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
37-9	09-9	99-9	75-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
38-9	09-9	99-9	50-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9
39-9	09-9	99-9	25-0	09-9	09-9	09-9	09-9	09-9	09-9	99-9	99-9	0-0	99-9	999-9	999-9

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

STATION NO. 33  
KVVV, OKLAHOMA

9 MAY 1979  
1405 GMT

100 170. 0

TIME MIN	CNTCT	HEIGHT GDM	4-RES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POI T DG K	E POT Y DG K	MR WTD GM/KG	RH PCT	RANGE KM	AZ DG
0-0	9-0	363-0	963-0	23-5	17-3	180-0	20-0	0-0	20-0	299-9	334-4	13-0	68-0	0-0	0-
0-1	0-0	521-0	1033-0	22-0	17-3	180-0	20-0	0-0	20-0	299-9	334-4	13-0	68-0	0-0	0-
0-2	0-0	931-0	1033-0	22-0	17-3	180-0	20-0	0-0	20-0	299-9	334-4	13-0	68-0	0-0	0-
0-3	1-0	537-0	975-0	21-1	15-6	175-7	15-4	-1-2	15-4	248-6	312-1	12-7	75-7	0-4	350-
0-4	1-0	718-0	975-0	17-0	15-6	175-7	15-4	-1-0	15-4	248-6	312-1	12-7	75-7	0-4	350-
0-5	1-0	582-0	975-0	16-6	15-2	175-4	15-1	1-0	15-1	238-7	321-5	13-1	87-0	0-8	352-
0-6	1-0	482-0	975-0	15-3	13-1	173-2	12-5	6-3	12-5	239-6	321-5	12-2	91-7	1-4	355-
0-7	1-0	375-0	975-0	15-3	13-1	173-2	12-5	10-0	12-5	239-6	321-5	11-6	93-9	2-4	1-
0-8	1-0	268-0	975-0	14-0	11-1	170-8	11-2	10-0	11-2	234-4	315-0	11-6	94-1	3-4	0-
0-9	2-0	160-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-0	2-0	50-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-1	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-2	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-3	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-4	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-5	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-6	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-7	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-8	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
1-9	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-0	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-1	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-2	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-3	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-4	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-5	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-6	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-7	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-8	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
2-9	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-0	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-1	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-2	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-3	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-4	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-5	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-6	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-7	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-8	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
3-9	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-0	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-1	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-2	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-3	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-4	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-5	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-6	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-7	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-8	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
4-9	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-
5-0	2-0	0-0	975-0	13-0	10-2	168-5	10-6	12-8	10-6	233-4	315-0	11-6	94-3	4-3	12-

1. 0-0 SPEED MEANS ELEVATION ANGLE BELIEVED IS 4.0 TO 10.0 DEG  
 2. 0-0 WIND MEANS TEMPERATURE UP TIME WIND WERE BECM INTERPOLATED  
 3. 0-0 COLLD MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 33  
 KFTV, DELMONA  
 9 MAY 1979  
 1705 GMT

TIME	ENTCT	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	V COMP	V COMP	POT T	E POT T	MR WTD	ZM	RANGE	AZ
MIN		GPH	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/KG	PCT	KM	DEG
0.0	10.9	363.0	963.2	25.3	17.5	170.0	13.0	-2.3	12.8	301.7	337.1	13.2	62.0	0.0	0.
00.0	99.0	99.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
01.0	11.0	483.0	975.0	22.4	16.5	176.0	13.6	-0.9	13.5	299.9	333.0	98.0	999.9	999.9	999.9
02.0	10.4	715.4	975.0	19.9	16.2	179.2	13.8	-0.2	13.0	299.6	333.3	12.7	60.7	0.5	359.
03.0	10.4	951.5	900.0	18.0	16.9	190.1	15.9	2.8	15.6	308.1	334.2	12.8	67.7	1.9	352.
04.0	17.0	1133.5	875.0	19.3	14.7	205.1	16.1	6.8	14.6	302.8	335.5	12.1	79.3	2.7	4.
05.0	17.5	1442.4	900.0	16.9	13.4	217.2	15.3	9.6	11.8	303.9	335.1	11.5	83.0	3.3	9.
06.0	23.9	1696.9	825.0	15.1	13.2	227.7	13.1	9.7	8.8	308.6	336.4	11.7	83.1	3.9	16.
07.0	26.4	1958.1	900.0	15.7	8.6	210.0	13.7	6.9	11.9	307.7	333.4	9.2	67.7	4.4	19.
08.0	28.9	2229.3	775.0	17.9	-0.9	201.0	18.9	6.8	17.7	313.1	326.8	6.6	27.0	5.2	19.
09.0	31.4	2508.9	750.0	18.0	-3.1	198.0	20.3	6.5	19.2	313.0	326.1	6.1	26.8	6.3	20.
10.0	34.0	2795.7	725.0	14.1	-6.0	194.0	20.0	5.1	19.3	314.9	325.2	3.4	24.4	7.7	19.
11.0	36.7	3080.9	700.0	12.2	-6.5	196.6	19.9	5.5	18.5	316.0	327.9	3.9	30.9	9.0	18.
12.0	39.4	3374.3	675.0	10.4	-17.6	192.5	18.1	6.1	17.1	317.3	321.9	1.4	12.2	10.4	18.
13.0	42.2	3708.6	650.0	7.6	-20.2	201.2	17.6	6.4	16.4	317.8	321.6	1.2	11.5	11.6	19.
14.0	45.0	4027.7	625.0	4.8	-22.3	201.5	18.2	6.7	16.9	317.9	321.3	1.0	11.0	12.8	19.
15.0	47.7	4358.5	600.0	1.7	-23.3	201.7	16.6	6.1	15.4	316.1	321.7	1.1	16.7	13.0	19.
16.0	50.4	4690.3	575.0	-1.5	-26.1	202.1	16.4	6.2	15.2	316.2	323.9	0.8	13.3	14.0	19.
17.0	53.1	5051.3	550.0	-3.5	-36.1	201.8	17.3	6.4	14.1	319.9	321.3	0.4	7.2	16.0	19.
18.0	55.8	5416.8	525.0	-6.5	-35.9	199.7	18.5	6.2	17.4	320.6	321.0	0.3	7.5	17.1	20.
19.0	57.8	5796.2	500.0	-9.0	-37.5	196.9	17.0	5.8	16.3	322.1	321.1	0.3	7.7	18.5	19.
20.0	60.3	6190.9	475.0	-12.0	-36.6	198.4	15.3	4.8	14.5	323.1	324.4	0.3	10.8	17.8	19.
21.0	62.3	6601.9	450.0	-15.1	-40.8	201.1	15.8	5.7	14.8	324.2	325.1	0.2	9.1	21.1	19.
22.0	64.3	7031.2	425.0	-18.4	-41.2	210.2	17.3	6.7	14.9	325.2	326.0	0.2	11.5	22.6	20.
23.0	66.3	7479.2	400.0	-23.0	-46.4	220.0	17.0	10.9	13.0	325.1	325.8	0.2	11.9	24.1	21.
24.0	68.3	7949.3	375.0	-25.8	-46.3	220.1	17.1	11.0	13.1	327.5	326.0	0.2	12.2	25.6	22.
25.0	70.3	8445.5	350.0	-29.2	-46.4	221.5	16.7	12.4	14.0	329.0	329.0	0.1	13.6	27.2	23.
26.0	72.3	8970.9	325.0	-32.9	-51.6	225.1	22.3	15.8	15.7	331.4	331.0	0.1	12.9	29.3	25.
27.0	74.3	9529.0	300.0	-37.3	-55.2	227.7	22.6	16.8	15.3	332.8	333.1	0.1	13.4	31.7	26.
28.0	76.3	10123.1	275.0	-43.0	-59.3	229.9	23.0	17.6	14.8	333.0	333.0	99.9	999.9	34.3	28.
29.0	78.3	10757.2	250.0	-49.0	-59.4	229.7	23.8	17.6	16.0	333.3	333.3	99.9	999.9	37.1	30.
30.0	80.3	11442.2	225.0	-53.2	-59.9	228.4	25.5	19.1	16.9	336.9	336.9	99.9	999.9	40.5	31.
31.0	82.3	12191.2	200.0	-59.2	-59.7	226.7	25.4	19.0	16.7	339.1	339.1	99.9	999.9	44.6	33.
32.0	84.3	13022.1	175.0	-62.2	-59.2	216.0	27.4	22.8	15.3	347.3	347.3	99.9	999.9	49.3	35.
33.0	86.3	13986.9	150.0	-58.7	-59.9	222.0	26.2	17.6	19.5	348.9	348.9	99.9	999.9	54.6	36.
34.0	88.3	15124.0	125.0	-61.1	-59.2	999.9	99.9	99.9	99.9	384.3	384.3	99.9	999.9	999.9	999.9
35.0	90.3	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	999.9
36.0	92.3	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	999.9
37.0	94.3	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	999.9
38.0	96.3	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	999.9

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

STATION NO. 33  
RTVV, OKLAHOMA

9 MAY 1979  
2005 GMT

103 174. 0

TIME	CNTCT	WEIGHT	PHES	TEMP	DEPT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	WX ATD	RM	RANGE	AZ
MIN		GN	MB	CG C	CG C	DC	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	K4	DG
7:0	17:5	363:9	961:2	27:5	17:1	160:0	17:0	-5:9	16:0	309:1	339:0	12:9	53:0	0:0	0:
9:0	9:3	99:9	1000:0	99:9	99:9	92:9	99:9	99:9	99:9	99:9	999:9	99:9	999:9	999:9	999:9
9:0	9:2	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	999:9
9:2	11:4	466:3	550:0	25:9	17:4	175:5	10:0	-0:0	10:0	303:5	339:5	13:3	53:0	0:5	35:0
1:0	1:7	731:2	925:0	23:4	16:3	172:2	11:4	-1:6	11:3	303:2	337:5	12:7	64:4	1:2	35:0
2:5	16:1	942:1	900:0	21:3	16:6	165:0	11:9	-2:9	11:6	303:5	339:5	13:3	74:2	1:8	35:0
3:5	16:4	1144:0	47:0	18:0	16:5	164:2	10:5	-2:5	10:2	303:1	340:9	13:6	86:3	2:5	35:1
6:3	2:9	1672:9	853:0	17:1	15:3	179:3	9:7	-0:1	9:7	304:0	339:3	13:0	80:5	3:0	35:1
7:2	2:3	1672:6	425:0	15:1	13:1	171:6	9:6	1:9	9:4	304:6	337:7	12:2	92:1	3:5	35:3
7:2	2:7	1463:3	609:0	13:5	12:2	195:7	9:6	2:4	9:4	303:5	336:4	11:3	92:0	3:8	35:5
7:7	3:2	221:9	779:0	11:7	9:9	186:4	1:6	18:6	18:6	308:4	332:3	9:3	82:9	4:3	35:7
7:7	3:7	2472:9	753:0	17:3	-12:1	190:9	13:9	2:6	13:7	315:3	322:9	9:3	82:9	5:0	35:8
7:7	3:3	2792:4	725:0	15:0	-16:4	198:4	13:7	5:0	15:9	316:0	320:8	10:2	80:5	5:9	1:
7:8	3:3	1176:3	735:0	13:4	-11:6	203:2	16:4	5:7	15:4	317:3	324:4	10:2	16:3	6:9	4:
7:8	3:7	1150:6	675:0	10:7	-15:1	202:0	16:6	6:2	15:6	317:6	323:2	1:7	14:6	7:9	6:
12:1	8:4	3693:3	653:0	7:8	-17:8	200:8	17:8	6:3	16:6	317:7	322:5	1:4	16:6	10:3	10:
13:1	8:2	618:7	627:0	4:7	-19:6	202:1	18:2	6:8	16:9	317:7	322:6	1:4	16:6	10:3	10:
14:4	8:3	4345:3	603:0	1:7	-24:5	203:6	18:9	7:6	17:3	318:1	321:0	0:9	12:1	11:6	11:
14:7	8:9	4746:4	575:0	-1:7	-26:9	203:9	17:7	7:2	16:8	318:0	320:5	0:7	12:4	13:0	13:
15:3	5:9	5731:7	520:0	-4:6	-34:8	203:5	19:2	7:7	17:6	318:6	319:9	0:4	7:3	14:4	14:
15:5	5:7	3632:1	525:0	-7:3	-36:4	207:5	18:7	6:7	16:6	319:6	320:7	0:3	7:6	15:9	15:
2:0	6:1	3760:8	533:0	-9:2	-42:0	207:1	18:3	7:4	16:5	321:8	322:5	0:2	6:9	17:4	16:
2:4	6:4	6175:6	475:0	-12:2	-45:3	205:3	15:6	6:7	15:1	325:9	323:5	0:2	5:2	18:3	17:
2:9	6:7	7315:1	425:0	-15:2	-49:5	203:2	15:7	6:2	14:5	328:1	324:7	0:1	5:6	19:7	17:
2:5	7:3	7463:5	403:0	-22:4	-47:5	222:4	13:4	9:2	14:5	325:9	325:4	0:1	5:9	21:2	18:
2:1	7:4	7418:5	375:0	-29:8	-51:6	224:6	13:4	11:7	13:0	325:9	326:3	0:1	6:3	22:8	19:
2:7	7:4	8331:2	359:0	-29:4	-54:9	228:3	16:8	13:4	14:3	327:5	327:8	0:1	6:7	24:4	21:
3:0	8:5	9755:9	345:0	-31:5	-56:7	232:5	20:6	16:8	14:2	329:2	329:4	0:1	7:1	26:4	23:
3:9	8:5	9517:6	383:0	-36:2	-57:6	230:1	20:6	15:7	13:1	331:5	330:7	0:1	7:6	28:4	25:
3:3	9:1	10104:2	275:0	-43:8	-64:9	227:4	20:6	15:0	13:0	331:7	331:7	0:1	10:9	30:9	27:
3:5	9:2	11737:6	253:0	-44:6	-69:9	230:2	21:3	16:4	13:7	333:8	333:8	0:1	99:9	33:3	30:
6:2	10:0	11421:9	230:0	-54:1	-99:3	233:7	21:9	17:7	13:6	335:6	335:6	0:1	99:9	39:4	32:
6:4	10:6	12169:3	209:0	-54:3	-99:9	237:6	23:8	20:1	12:8	338:9	338:9	0:1	99:9	42:7	34:
6:1	11:8	12767:7	175:0	-60:6	-99:9	99:9	99:9	99:9	99:9	340:9	340:9	0:1	99:9	99:9	99:9
9:9	9:9	99:9	152:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9
9:9	9:9	99:9	125:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9
9:9	9:9	99:9	130:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9
9:9	9:9	99:9	175:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9
9:9	9:9	99:9	520:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9
9:9	9:9	99:9	250:0	99:9	99:9	99:9	99:9	99:9	99:9	99:9	999:9	99:9	99:9	99:9	99:9

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

STATION NO. 33  
 RTVY, OKLAHOMA  
 9 MAY 1979  
 2305 GMT

120 122. 0

TIME	CHCT	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT 7	E POT 7	MR WTD	RM	RANGE	AZ
MIN		GPH	MB	CG C	CG C	CG	M/SEC	M/SEC	M/SEC	CG K	CG K	GM/KG	PCT	KM	DG
0.0	10.4	363.0	960.7	24.6	16.7	180.0	11.0	0.0	11.0	301.2	330.9	11.0	54.0	0.0	0.0
00.2	99.7	99.7	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.1	11.1	461.5	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1.1	13.6	675.6	925.0	24.0	18.3	137.3	13.5	-5.2	12.5	302.4	330.2	14.1	67.2	0.6	347.
1.4	16.1	718.3	900.0	20.9	17.9	151.4	15.1	-6.8	11.3	302.8	330.4	13.8	71.3	1.0	344.
2.5	18.4	1178.1	875.0	15.6	16.8	162.6	17.2	-2.2	17.0	303.1	330.4	13.9	79.1	1.8	344.
3.5	21.0	1620.9	850.0	17.6	15.4	179.0	16.2	-0.3	16.2	304.4	330.0	13.1	84.2	3.5	349.
4.3	21.5	1641.9	825.0	15.1	13.6	176.6	15.9	-0.9	15.8	304.5	337.2	12.0	90.9	4.3	351.
5.2	26.1	1742.4	800.0	13.1	12.2	176.0	15.8	-1.1	15.8	305.1	336.1	11.3	94.3	5.1	351.
6.0	28.7	2232.3	775.0	11.0	10.0	176.9	17.3	-0.9	17.3	305.6	333.3	10.0	93.8	5.9	352.
7.0	31.2	2495.6	750.0	16.6	-34.2	195.8	16.4	1.7	16.3	314.6	315.0	0.3	1.8	6.9	353.
7.3	33.9	2773.6	725.0	16.0	-40.0	198.6	17.5	5.6	16.6	317.3	317.9	0.2	1.0	7.7	355.
8.4	36.6	3370.3	700.0	14.5	-41.1	203.4	18.0	7.5	17.3	318.5	319.1	0.1	1.0	8.7	358.
9.7	39.3	3375.3	675.0	11.9	-42.6	203.8	19.9	9.0	17.0	319.0	319.5	0.1	1.0	9.8	362.
11.3	42.2	3698.9	650.0	8.7	-34.4	208.1	20.1	9.2	18.4	318.1	320.0	0.3	2.9	11.0	4.
12.0	45.0	4011.1	625.0	6.1	-33.2	208.0	19.1	9.0	16.8	319.4	320.5	0.3	3.2	12.2	6.
13.2	48.0	4343.0	600.0	2.4	-36.4	213.3	20.1	11.0	16.0	319.4	320.4	0.3	3.6	13.5	9.
14.6	50.9	4683.3	575.0	-0.3	-37.7	218.3	19.7	12.2	15.4	319.7	320.6	0.3	3.9	14.7	11.
15.6	54.0	5034.2	550.0	-3.7	-39.3	215.8	20.9	12.2	16.0	319.7	320.5	0.2	4.3	16.0	14.
16.9	57.1	5403.7	525.0	-6.3	-50.1	209.8	21.7	10.8	18.8	320.9	321.2	0.1	4.6	17.5	18.
18.1	60.3	5784.3	500.0	-7.9	-50.2	206.2	20.6	9.1	16.5	323.4	323.7	0.1	4.8	19.2	19.
19.6	63.6	6190.9	475.0	-10.7	-50.7	205.6	19.0	8.2	17.1	324.7	325.0	0.1	2.1	20.8	17.
20.3	64.2	6524.4	450.0	-13.5	-50.5	211.1	21.6	11.2	18.5	326.3	326.4	0.0	1.0	22.4	18.
22.3	70.4	7028.0	425.0	-16.9	-57.1	221.1	22.4	14.7	16.9	327.3	327.4	0.0	1.8	24.2	19.
23.7	74.0	7478.0	400.0	-19.9	-53.7	227.8	23.9	17.7	18.1	329.1	329.3	0.1	3.1	25.9	21.
25.3	77.7	7953.1	375.0	-23.5	-50.4	233.9	22.2	17.0	13.9	330.0	330.4	0.1	6.5	27.8	23.
26.4	81.5	8453.0	350.0	-27.4	-52.4	231.3	21.5	16.8	13.4	331.5	331.8	0.1	6.9	29.5	25.
28.3	85.4	8949.9	325.0	-31.6	-54.4	233.4	22.8	16.8	13.6	333.1	333.4	0.1	7.4	31.3	27.
29.8	89.6	9442.7	300.0	-34.2	-54.5	237.0	23.4	19.6	12.7	334.3	334.5	0.0	7.9	33.2	29.
31.5	94.0	10142.4	275.0	-43.9	-58.9	246.3	24.8	20.4	12.8	335.0	335.9	0.0	99.9	35.3	30.
33.3	98.6	10780.8	250.0	-46.7	-59.9	250.9	25.1	21.9	12.2	336.6	336.9	0.0	99.9	37.6	32.
35.5	103.6	11471.0	225.0	-51.9	-59.9	245.3	23.3	21.1	8.7	339.0	339.9	0.0	99.9	43.4	34.
38.1	109.0	12224.9	200.0	-56.7	-59.9	249.4	24.9	23.3	8.7	342.7	342.7	0.0	99.9	47.2	40.
40.4	115.0	13060.1	175.0	-62.4	-59.9	248.6	27.8	25.9	10.1	347.0	347.0	0.0	99.9	52.1	42.
43.4	121.3	14317.4	150.0	-59.5	-59.9	233.1	29.0	23.2	17.4	347.5	347.5	0.0	99.9	59.9	40.
47.6	128.3	15133.7	125.0	-60.2	-59.9	99.9	99.9	99.9	99.9	348.8	348.8	0.0	99.9	99.9	99.9
50.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
53.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
56.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
60.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 33  
RTVY, OKLAHOMA

18 MAY 1979 205 GMT

189 178. 0

TIME MM	CMTC	HEIGHT LPM	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 RTO GM/KG	RM PCT	RANGE KM	AZ DG
04.0	11.0	363.0	960.3	22.5	19.1	170.0	14.0	-2.4	13.0	299.1	337.8	14.7	81.0	0.0	0.
09.0	09.0	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
09.0	09.0	999.9	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.2	11.0	437.6	950.0	23.6	18.0	166.5	14.3	-3.4	14.1	301.2	339.9	14.5	74.4	0.3	343
1.1	14.1	490.5	925.0	22.1	18.2	163.5	17.3	-4.9	16.6	301.9	340.3	14.4	78.6	0.9	342
2.6	16.6	527.2	930.0	20.2	18.1	162.4	22.1	-6.7	21.0	302.3	341.8	14.8	80.2	2.5	342
3.5	19.1	1172.1	875.0	17.8	16.5	168.5	23.8	-4.7	23.3	302.3	339.0	13.7	92.5	4.1	343
4.7	21.6	1420.8	950.0	17.2	14.1	178.2	22.7	-8.7	22.7	306.1	336.8	12.0	82.1	5.7	348
6.8	24.1	1675.5	825.0	15.0	13.1	179.0	22.8	-8.4	22.8	304.5	336.2	11.6	88.5	7.0	349
8.0	26.6	1316.3	700.0	12.7	11.6	183.2	20.2	1.1	20.2	304.7	336.5	10.9	93.0	8.4	350
9.4	27.2	2403.9	775.0	17.9	-27.2	190.2	18.9	3.3	18.6	313.1	314.9	8.3	3.3	10.2	354
10.9	31.9	2483.6	750.0	17.4	-38.5	190.2	18.0	5.2	18.0	315.5	316.2	8.2	1.1	12.8	357
13.7	36.6	2771.0	725.0	15.4	-40.5	197.5	18.9	5.7	18.1	316.3	316.9	8.1	1.0	16.0	2.
15.9	37.2	3066.2	700.0	13.0	-41.9	194.5	19.1	4.8	16.5	316.9	317.4	8.1	1.0	18.2	4.
14.5	40.0	3360.4	675.0	10.6	-33.8	197.3	21.0	6.3	20.1	317.5	316.6	8.3	2.7	21.6	9.
21.2	42.7	3664.2	650.0	7.9	-34.6	205.9	18.4	8.1	16.4	318.0	319.0	8.3	3.0	24.3	7.
23.9	45.7	4033.0	625.0	5.3	-46.7	205.2	22.9	9.8	20.7	318.5	318.6	8.1	1.0	27.8	9.
26.9	48.7	4344.6	600.0	1.7	-68.9	210.0	17.0	4.9	15.5	318.1	318.4	8.1	1.0	31.3	12.
23.6	51.6	4876.9	575.0	-1.6	-50.5	220.7	19.1	9.2	16.7	318.2	318.4	8.1	1.1	33.7	13.
32.1	54.8	5026.6	550.0	-4.5	-50.1	218.3	18.2	10.2	16.4	318.7	319.0	8.1	1.4	36.9	14.
35.4	57.9	5370.5	525.0	-6.6	-54.1	218.3	20.7	12.3	16.7	320.5	320.7	8.0	1.1	39.4	16.
39.2	61.8	5720.2	500.0	-8.6	-54.4	208.4	16.9	17.5	32.5	322.5	322.7	8.0	1.0	46.7	18.
42.5	64.6	6165.8	475.0	-11.1	-54.9	220.8	23.6	15.4	17.9	324.2	324.4	8.0	1.0	52.4	20.
45.7	67.6	6578.5	450.0	-16.5	-59.1	228.2	13.3	11.8	6.6	325.0	-25.1	8.0	1.0	55.8	21.
49.7	71.1	7008.6	425.0	-18.1	-61.4	278.1	7.9	7.9	-1.1	325.8	325.9	8.0	1.0	56.9	23.
53.9	74.7	7457.7	400.0	-21.8	-50.7	233.3	5.9	12.8	9.5	326.7	327.8	8.0	5.4	58.2	24.
54.0	78.4	7929.9	375.0	-24.5	-52.9	220.7	34.3	22.4	28.0	329.2	329.5	8.1	5.3	65.8	26.
67.0	82.3	8428.7	350.0	-28.5	-53.4	219.0	50.1	32.0	39.6	330.4	330.7	8.1	7.8	74.2	27.
66.8	86.2	8955.2	325.0	-32.6	-56.1	174.1	71.9	-7.4	71.5	331.7	331.9	8.1	7.5	98.3	29.
70.9	90.5	9314.5	300.0	-38.9	-59.0	258.7	52.7	51.3	12.1	333.3	333.5	8.0	8.8	109.8	30.
75.5	94.8	10110.6	275.0	-41.6	-59.9	309.4	41.0	31.8	-28.1	335.0	335.9	99.9	99.9	117.2	31.
82.5	94.5	10749.4	250.0	-46.8	-59.9	317.0	16.0	11.3	-12.1	336.5	336.9	99.9	99.9	112.2	32.
86.4	104.5	11440.1	225.0	-51.4	-59.9	261.1	20.7	26.4	4.1	339.0	339.0	99.9	99.9	111.4	33.
91.1	109.6	12147.1	200.0	-54.4	-59.9	254.6	50.3	48.9	11.7	343.4	343.4	99.9	99.9	126.0	34.
94.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
94.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
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STATION NO. 33  
 KFTV, OKLAHOMA  
 18 MAY 1979  
 305 GMT

TIME MIN	CHECT	WEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PUT T DG K	E POT Y DG K	MS RIO CM/SEC	RH PCT	RANGE KM	AZ DG
0.2	18.8	363.8	940.7	22.5	19.1	140.0	12.0	-7.7	9.2	299.1	337.7	14.7	81.0	0.0	0.
0.3	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0.7	11.6	461.1	925.0	23.0	18.4	159.1	17.2	-6.2	16.1	300.6	338.3	14.2	75.1	0.3	342.
0.7	18.0	693.9	925.0	21.9	18.6	159.1	18.2	-6.2	17.1	301.7	340.6	14.6	80.5	0.7	340.
1.5	18.4	731.8	905.0	19.4	17.0	165.2	21.9	-6.2	21.1	301.5	339.9	14.4	90.5	1.5	341.
2.2	18.0	1174.5	905.0	17.9	16.7	171.5	25.5	-3.9	25.2	302.4	339.6	13.9	72.9	2.5	344.
3.1	21.3	1622.9	950.8	16.5	14.3	178.9	29.8	-0.5	29.8	303.4	338.6	12.3	87.5	3.9	348.
3.9	23.8	1677.5	825.0	15.3	12.5	181.0	24.0	0.5	24.0	304.0	335.4	11.1	83.4	5.1	351.
4.8	28.3	1938.3	800.0	13.2	11.9	182.0	24.3	0.9	24.0	305.2	335.5	11.1	91.9	6.5	353.
5.6	28.0	2275.3	775.0	14.1	-24.3	191.7	20.1	4.1	19.6	309.0	315.4	2.3	20.5	7.6	355.
6.4	31.0	2494.1	750.0	18.1	-38.9	200.8	19.9	7.1	18.6	316.2	316.9	0.2	1.0	8.6	358.
7.3	35.1	2722.4	725.0	15.9	-49.2	201.9	21.7	8.1	20.1	316.9	317.5	0.1	1.0	10.0	1.
8.2	38.0	3268.4	700.0	15.5	-41.6	205.0	21.8	9.2	19.7	317.5	318.0	0.1	1.0	11.4	9.
10.1	38.4	3372.4	675.0	10.4	-43.1	209.1	21.0	10.2	18.4	317.8	318.1	0.1	1.0	12.8	7.
11.3	42.1	3614.6	650.0	7.7	-45.2	210.7	21.5	10.9	18.5	317.7	318.1	0.1	1.0	15.1	9.
12.4	45.1	4075.6	625.0	4.8	-47.0	210.5	21.7	12.3	17.9	317.9	318.3	0.1	1.0	15.5	11.
13.6	48.0	4336.4	600.0	2.0	-48.7	210.5	22.2	12.9	18.0	318.5	318.6	0.1	1.0	18.9	13.
14.1	51.0	4677.5	575.0	-1.2	-50.7	211.9	23.6	13.6	21.9	318.6	318.6	0.1	1.0	18.5	15.
14.1	54.0	5030.0	550.0	-3.8	-54.4	211.9	24.7	13.0	21.0	319.5	319.7	0.1	1.0	20.5	17.
17.1	57.0	5395.7	525.0	-6.0	-53.7	214.1	23.1	14.3	18.2	321.3	321.4	0.0	1.0	22.1	18.
24.7	60.3	5765.5	500.0	-8.0	-43.3	220.7	21.6	14.1	16.4	323.3	324.2	0.2	5.5	23.0	20.
27.3	63.5	6172.1	475.0	-11.6	-33.3	218.8	20.5	13.1	15.7	323.6	325.3	0.5	14.6	23.4	21.
28.4	64.9	6593.4	450.0	-15.3	-35.2	220.0	19.9	12.6	15.3	324.0	325.5	0.4	10.2	27.0	22.
29.3	70.3	7312.8	425.0	-19.1	-40.9	212.5	22.0	11.6	8.6	325.8	326.7	0.2	11.4	28.0	23.
29.4	73.7	7467.8	400.0	-21.1	-51.7	212.4	22.5	12.1	19.0	327.6	327.9	0.1	4.9	31.7	24.
29.5	73.6	7936.0	375.0	-24.9	-51.1	218.0	24.0	13.4	19.9	328.7	329.0	0.1	6.6	33.0	25.
29.5	81.2	8434.4	350.0	-24.3	-57.7	219.2	28.6	17.7	22.5	330.6	330.6	0.0	0.0	36.1	26.
31.1	83.2	8961.5	325.0	-32.0	-59.7	221.6	24.8	17.1	17.9	332.6	332.7	0.0	4.5	41.0	27.
34.3	84.3	9323.0	300.0	-36.0	-62.0	221.3	24.6	17.5	20.0	334.6	334.8	0.0	4.3	43.3	28.
37.3	93.7	13120.7	275.0	-61.1	-90.9	227.1	23.6	17.3	16.1	335.7	335.9	0.0	498.8	49.4	29.
43.1	94.6	10760.9	250.0	-46.5	93.9	231.8	25.1	19.7	15.5	337.0	337.0	0.0	999.9	49.4	29.
43.1	103.2	11452.5	225.0	-51.2	99.9	242.4	24.3	21.5	11.3	340.1	340.1	0.0	999.9	53.5	31.
47.0	108.6	12209.0	200.0	-56.1	99.9	262.0	20.9	20.7	2.0	341.1	341.1	0.0	999.9	57.9	33.
48.9	114.5	13344.0	175.0	-63.5	99.9	99.9	99.9	99.9	99.9	345.1	345.1	0.0	999.9	60.5	35.
49.8	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	52.4	39.
52.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
54.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
56.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.
58.9	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.
59.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 4 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE UN TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 0 DEG



STATION NO. 33  
 KTVY, OKLAHOMA  
 10 MAY 1979  
 805 GMT

106 173. 0

TIME MIN	CNTCT	H'GHT GPM	PRES MB	TEMP UG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KN	AZ DG
0.3	10.7	363.0	961.0	22.2	20.3	180.0	16.0	0.0	16.0	298.7	340.3	15.8	89.0	0.0	0.
0.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
0.3	11.6	453.7	950.0	22.9	20.3	184.8	16.9	1.4	16.9	300.5	342.0	16.0	85.0	0.5	3.
1.1	14.0	696.6	925.0	21.2	19.5	195.6	18.0	1.8	17.9	301.0	342.5	15.6	69.5	1.1	4.
1.8	14.4	934.2	900.0	19.4	18.2	190.5	20.1	3.7	19.8	301.5	341.0	14.8	92.9	1.9	5.
2.6	19.8	1176.8	875.0	17.8	16.4	197.5	23.4	7.0	22.3	302.3	339.7	13.6	91.4	3.0	8.
3.4	21.3	1425.6	850.0	17.0	13.9	202.1	24.1	8.1	22.4	304.0	336.2	11.9	81.8	4.1	12.
4.4	21.9	1674.9	825.0	14.9	12.4	203.1	22.9	9.0	21.1	304.3	335.6	11.1	85.3	5.4	15.
5.2	24.4	1740.3	800.0	12.7	11.5	202.4	24.0	9.1	21.2	305.5	332.7	10.8	92.7	6.6	16.
6.2	24.9	2206.7	775.0	10.8	9.8	203.6	23.1	9.3	21.2	305.5	332.7	9.9	93.4	7.9	17.
7.5	31.4	2480.5	750.0	9.7	8.7	208.1	20.4	9.6	18.0	307.1	333.5	9.5	93.4	9.7	19.
8.6	34.1	2759.9	725.0	8.9	-44.4	213.3	19.2	10.5	16.0	309.3	309.4	0.1	1.0	11.0	20.
9.4	34.8	3050.9	700.0	9.7	-44.0	221.8	16.4	10.9	12.2	313.2	313.6	0.1	1.0	12.0	22.
10.7	34.6	3351.5	675.0	8.1	-22.5	230.4	14.0	10.8	8.9	314.7	317.7	0.9	9.3	12.9	23.
11.7	42.1	3661.2	650.0	5.7	-25.7	230.7	14.7	11.4	9.3	315.4	317.8	0.7	8.3	13.7	25.
12.9	43.1	3990.2	625.0	3.4	-36.2	222.1	18.2	12.2	13.5	316.3	317.3	0.3	3.5	16.7	27.
14.3	44.0	4304.0	600.0	0.2	-49.8	215.0	20.3	11.6	16.6	316.4	316.6	0.1	1.0	16.0	28.
15.4	51.0	4568.3	575.0	-2.0	-51.2	211.3	22.0	11.4	18.8	317.7	317.9	0.1	1.0	17.7	29.
17.4	54.0	4997.5	550.0	-4.9	-50.1	207.6	24.7	11.4	21.9	318.3	318.5	0.1	1.4	19.6	28.
18.2	57.1	5363.0	525.0	-8.0	-54.9	206.3	22.2	9.8	19.9	318.9	319.0	0.0	1.0	21.8	29.
19.7	60.3	5740.6	500.0	-9.7	-56.1	206.2	20.0	8.8	17.9	321.2	321.4	0.0	1.0	23.5	26.
21.3	63.5	6135.0	475.0	-11.6	-43.8	202.7	19.2	7.4	17.7	323.6	324.3	0.2	6.5	25.4	26.
23.1	66.9	6546.1	450.0	-14.7	-50.0	200.7	19.4	6.8	16.1	324.7	325.1	0.1	3.6	27.4	27.
25.0	70.3	6976.7	425.0	-17.3	-60.9	202.0	20.3	7.6	18.8	326.9	327.0	0.0	1.0	29.7	27.
27.0	73.9	7428.3	400.0	-20.3	-62.8	200.8	24.5	12.2	21.2	326.6	326.7	0.0	1.0	32.4	27.
28.4	77.5	7903.7	375.0	-23.5	-64.9	219.1	25.4	16.0	19.7	320.5	330.5	0.0	1.0	35.2	27.
30.8	81.3	8403.9	350.0	-28.0	-67.8	225.7	24.4	17.4	17.0	331.1	331.4	0.0	1.0	37.8	28.
32.9	85.3	8911.4	325.0	-31.9	-70.4	228.5	25.6	19.2	17.0	332.7	332.7	0.0	1.0	41.0	30.
35.3	89.5	9491.0	300.0	-37.0	-73.5	226.7	24.3	17.7	16.8	333.2	333.3	0.0	1.0	44.2	31.
42.1	98.4	10087.4	275.0	-41.3	99.9	226.2	24.9	18.0	17.3	335.4	999.9	99.9	999.9	47.8	32.
47.1	104.4	10727.5	250.0	-46.4	99.9	234.7	22.6	16.4	13.0	336.7	999.9	99.9	999.9	51.1	33.
48.3	108.9	11420.7	225.0	-51.4	99.9	245.0	22.0	20.1	9.0	339.8	999.9	99.9	999.9	53.5	35.
49.9	114.5	12174.4	200.0	-58.1	99.9	99.9	99.9	99.9	99.9	340.8	999.9	99.9	999.9	55.9	36.
51.9	118.5	13001.0	175.0	-64.8	99.9	99.9	99.9	99.9	99.9	343.1	999.9	99.9	999.9	999.9	999.9
54.9	99.9	99.9	151.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
57.9	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	999.9
59.9	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	999.9
62.9	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	999.9
65.9	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	999.9
69.9	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	999.9

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

STATION NO. 33  
KTVY, OKLAHOMA

18 MAY 1978  
1131 GMT

TIME MIN	CMTCY	WEIGHT GPH	PHES 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 V DG K	WX WTD CM/EG	RM PCT	RANGE KM	AL DG
0.0	10.6	363.0	902.8	22.5	19.5	160.0	9.0	-3.1	8.5	298.9	338.3	15.0	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	999.9
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	999.9
0.6	11.6	476.9	950.0	21.6	19.6	182.0	0.6	18.2	18.2	299.2	339.6	13.4	88.4	0.3	356.
1.0	13.9	711.3	925.0	19.8	15.7	191.3	3.8	19.3	19.3	299.6	332.1	12.2	77.8	0.9	3.
1.8	16.3	948.1	900.0	19.5	16.6	201.5	20.5	7.5	19.1	301.6	337.2	12.3	83.4	1.8	10.
2.7	19.6	1191.2	875.0	18.7	15.2	208.8	19.9	9.6	17.4	303.3	337.1	12.5	79.8	2.9	16.
3.5	21.1	1440.0	850.0	17.3	13.3	212.7	18.3	9.9	15.4	304.7	336.6	11.8	80.3	3.8	20.
4.3	23.5	1695.3	825.0	15.5	13.3	218.2	17.4	10.7	13.6	305.0	336.6	11.8	80.3	4.6	22.
5.1	26.0	1950.7	800.0	13.8	12.6	223.0	16.2	11.1	11.9	305.7	337.7	11.6	92.7	5.4	25.
6.1	28.5	2224.1	775.0	12.0	11.1	225.5	15.6	11.2	11.0	306.8	336.9	10.9	94.9	6.3	28.
6.9	31.1	2499.0	750.0	10.5	9.8	223.9	15.8	10.9	11.4	308.0	336.4	10.2	95.5	7.1	30.
8.0	33.7	2761.6	725.0	9.0	8.4	224.8	15.3	10.8	10.9	309.3	336.4	9.6	96.0	8.0	32.
8.2	34.3	3022.4	700.0	7.4	6.8	227.6	15.4	11.4	10.4	310.7	336.0	9.0	96.5	8.9	33.
11.6	38.1	3371.3	675.0	4.5	3.7	227.9	16.2	12.0	10.9	310.7	332.1	7.5	94.8	10.1	35.
11.6	41.7	3677.8	650.0	4.7	-19.2	221.4	20.6	13.6	15.5	318.5	318.5	1.3	16.0	11.1	36.
12.2	44.7	3926.7	625.0	3.4	-47.8	216.2	21.3	12.6	17.2	316.4	316.7	0.1	1.0	12.2	36.
13.3	47.4	4225.9	600.0	2.6	-49.6	214.3	17.8	10.0	14.7	316.8	317.0	0.1	1.0	13.5	36.
14.6	50.4	4655.3	575.0	-4.3	-50.4	213.3	14.0	9.9	15.1	317.3	317.5	0.1	1.1	14.9	36.
15.1	53.4	5216.9	550.0	-3.4	-52.1	211.0	21.4	11.0	18.3	320.0	320.2	0.1	1.0	16.6	35.
17.5	58.5	5383.1	525.0	-5.7	-53.6	215.7	22.5	13.1	18.3	321.5	321.7	0.0	1.0	18.6	35.
19.1	59.6	5763.2	500.0	-8.8	-48.8	220.5	22.5	14.6	17.1	322.4	322.9	0.1	3.4	20.7	36.
21.6	62.8	6158.2	475.0	-11.2	-48.6	219.4	21.6	13.4	16.9	324.2	325.7	0.4	12.4	22.7	36.
22.2	64.1	6570.5	450.0	-14.6	-59.2	213.6	20.9	11.6	17.5	324.9	325.7	0.0	1.0	24.6	36.
21.6	64.4	7000.4	425.0	-18.2	-61.5	214.6	22.8	12.9	18.8	325.6	325.7	0.0	1.0	26.4	36.
22.1	73.0	7449.6	400.0	-21.9	-63.3	218.8	26.2	16.4	20.4	326.5	326.6	0.0	1.0	28.9	36.
27.2	76.7	7921.6	375.0	-25.5	-66.2	219.7	26.7	17.1	20.5	327.9	328.0	0.0	1.0	31.9	36.
28.9	82.5	8419.2	350.0	-29.7	-53.5	221.1	28.2	18.5	21.3	330.1	330.4	0.1	7.0	34.8	37.
31.6	84.4	9144.5	325.0	-32.9	-51.5	222.7	25.4	17.3	18.7	331.4	332.5	0.3	43.4	37.5	37.
32.4	84.5	9503.8	300.0	-37.2	-41.0	226.1	24.6	17.7	17.1	332.9	334.2	0.3	47.1	40.2	37.
34.3	92.4	10000.5	275.0	-42.5	99.9	224.3	24.5	17.1	17.5	333.7	999.9	99.9	997.9	42.9	38.
36.1	97.5	10733.6	250.0	-48.8	99.9	220.8	22.2	16.5	18.8	333.5	999.9	99.9	999.9	45.4	38.
38.3	102.4	11618.5	225.0	-53.5	99.9	213.7	25.7	14.2	21.4	336.0	999.9	99.9	999.9	48.5	38.
42.3	107.6	12167.5	200.0	-58.6	99.9	214.6	24.2	13.7	19.9	340.0	999.9	99.9	999.9	51.6	38.
43.2	113.5	12998.6	175.0	-62.7	99.9	227.7	21.3	14.3	14.3	348.5	999.9	99.9	999.9	54.9	38.
46.3	119.8	13440.2	150.0	-65.1	99.9	236.2	27.4	23.0	15.4	358.0	999.9	99.9	999.9	59.7	39.
50.8	126.4	15086.9	125.0	-68.5	99.9	230.6	33.1	23.0	21.0	370.9	999.9	99.9	999.9	64.5	41.
54.0	134.7	16415.4	100.0	-59.1	99.9	999.9	99.9	99.9	99.9	413.5	999.9	99.9	999.9	69.9	999.
96.9	99.9	99.9	75.0	92.9	99.9	99.9	99.9	99.9	99.9	999.9	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	999.9	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	999.9	999.9	99.9	999.9	999.9	999.

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

STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
9 MAY 1979  
1223 GMT

110 113. 0

TIME MIN	CNCT	HEIGHT GPH	PHES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	POF V DG K	E POF T DG K	MR MTD GM/KG	RM PCT	RANGE KM	AZ DG
0.0	10.6	417.0	934.9	20.4	17.6	150.0	5.1	-2.6	4.4	297.5	333.1	333.1	13.6	85.0	0.0	0.
9.9	99.9	99.9	1333.0	99.9	701.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
9.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
0.1	11.1	461.8	950.0	21.5	18.4	170.4	15.5	-0.4	15.5	299.0	336.4	336.4	14.2	82.3	0.5	352.
0.9	13.3	693.0	925.0	19.4	17.3	179.1	15.5	-0.2	15.4	299.2	335.1	335.1	13.6	87.4	0.8	355.
1.7	15.5	729.0	902.0	17.6	16.2	185.6	15.0	1.6	15.8	299.6	334.2	334.2	13.0	91.9	1.0	357.
2.6	17.7	1170.0	875.0	16.2	15.1	192.9	18.2	5.6	17.4	300.6	333.9	333.9	12.5	93.3	2.4	3.
3.4	22.0	1416.9	853.0	15.1	14.0	203.8	20.8	10.0	18.2	302.3	334.3	334.3	11.4	93.3	6.3	14.
4.2	22.3	1670.4	825.0	13.9	12.9	213.5	21.2	12.3	18.2	304.6	334.2	334.2	10.8	93.6	5.4	19.
5.2	24.6	1930.3	803.0	12.6	11.6	220.4	21.2	12.3	17.7	306.1	334.7	334.7	10.4	93.9	6.6	22.
6.1	27.0	2147.0	775.0	11.4	10.5	228.4	20.2	9.6	17.1	309.2	319.2	319.2	1.4	8.5	7.8	22.
7.1	27.4	2475.1	753.0	16.0	-17.1	200.5	20.2	7.1	18.9	314.8	319.2	319.2	0.3	1.7	9.2	22.
8.3	31.8	2762.3	725.0	15.2	-35.2	200.9	19.3	6.9	18.1	316.2	317.1	317.1	0.3	2.0	10.4	22.
9.4	34.2	3057.4	703.0	13.3	-35.3	203.9	18.7	7.	17.1	317.3	316.7	316.7	0.3	2.2	11.7	22.
10.5	35.7	3361.7	675.0	13.8	-35.7	203.9	17.2	7.5	15.4	317.9	316.8	316.8	0.3	2.3	12.6	22.
11.6	37.2	3674.3	650.0	7.9	-36.3	203.9	17.2	7.5	15.4	317.9	316.8	316.8	0.2	2.9	13.9	23.
12.7	41.9	3925.1	625.0	6.7	-37.2	209.0	17.4	8.0	15.5	318.3	319.2	319.2	0.2	3.2	15.0	23.
13.8	44.5	4125.9	600.0	1.9	-39.3	210.9	17.0	8.7	15.6	318.9	319.7	319.7	0.2	3.5	16.1	24.
14.9	47.2	4346.9	575.0	-0.9	-40.2	205.3	16.7	7.2	15.1	320.4	321.2	321.2	0.2	3.7	17.3	24.
16.3	50.9	4596.9	550.0	-3.1	-40.2	203.3	16.9	5.2	13.9	321.0	321.7	321.7	0.2	4.0	18.5	24.
17.3	52.9	4866.9	525.0	-6.2	-41.6	203.3	16.9	5.1	13.9	321.7	322.3	322.3	0.2	4.4	19.6	24.
18.5	55.7	5158.0	503.0	-9.3	-43.1	199.4	15.4	5.1	13.9	321.7	322.0	322.0	0.2	4.8	20.9	23.
19.9	59.7	5469.2	475.0	-12.9	-40.1	199.8	16.5	4.9	13.7	322.0	322.9	322.9	0.4	17.0	22.1	23.
21.4	64.9	5798.2	455.0	-16.5	-35.3	201.0	16.7	5.3	13.0	322.5	323.9	323.9	0.4	4.4	23.5	23.
23.0	69.9	6135.5	425.0	-19.0	-30.2	204.4	15.6	6.9	13.0	324.6	324.9	324.9	0.1	4.6	25.2	24.
24.6	68.1	6466.0	400.0	-22.2	-52.2	211.6	15.1	10.0	15.3	324.1	326.4	326.4	0.1	4.9	27.0	24.
26.2	71.4	7177.4	375.0	-23.6	-54.1	219.0	18.3	11.3	13.9	329.4	329.4	329.4	0.1	5.3	29.7	25.
27.9	74.7	7612.2	350.0	-29.2	-56.2	223.2	19.8	13.0	13.9	329.4	329.4	329.4	0.8	5.7	30.6	27.
29.5	78.3	8337.3	325.0	-23.1	-58.6	223.6	21.8	14.5	13.9	331.0	331.2	331.2	0.8	6.2	32.8	28.
31.2	82.0	9074.2	300.0	-17.9	-61.6	223.6	22.4	15.4	18.2	331.9	332.1	332.1	0.8	6.2	32.8	28.
33.0	86.0	10287.2	275.0	-43.3	99.9	228.8	22.3	16.7	15.8	333.0	999.9	999.9	99.9	999.9	35.1	29.
35.3	90.2	11720.5	250.0	-49.2	99.9	227.9	23.8	17.1	15.0	333.0	999.9	999.9	99.9	999.9	37.5	30.
36.4	94.5	13366.9	225.0	-36.1	99.9	227.9	23.8	17.6	16.0	335.6	999.9	999.9	99.9	999.9	40.1	31.
38.1	99.2	12150.3	200.0	-59.2	99.9	225.1	22.5	16.0	15.0	339.1	999.9	999.9	99.9	999.9	43.1	33.
41.6	104.4	12977.6	175.0	-62.9	99.9	227.9	23.3	20.9	17.6	346.2	999.9	999.9	99.9	999.9	46.3	33.
44.4	109.8	13937.6	150.0	-63.0	99.9	227.0	25.9	18.9	17.6	346.2	999.9	999.9	99.9	999.9	50.6	35.
47.7	116.0	15070.9	125.0	-61.4	99.9	999.9	99.9	99.9	99.9	999.9	999.9	999.9	99.9	999.9	999.9	999.9
49.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
50.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
52.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9
54.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	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. 34  
MOUNTAIN VIEW, OKLAHOMA  
9 MAY 1979  
1405 GMT

TIME MIN	CNCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	WIND /SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT F DG K	WX MET CMWG	RM PCT	RANGE KM	AZ DG
0.3	10.2	417.0	956.5	22.4	17.3	130.0	0.2	-4.7	4.0	299.5	336.5	13.2	73.8	0.0	0.
05.0	07.2	917.0	1000.0	09.9	09.0	94.9	09.9	09.9	09.9	99.9	999.9	99.9	999.9	0.0	0.
09.9	09.7	929.9	975.0	09.9	09.9	99.9	09.9	09.9	09.9	99.9	999.9	99.9	999.9	0.0	0.
3.2	10.6	458.3	950.0	22.1	17.7	151.4	8.6	-4.1	7.5	299.6	335.6	13.1	78.6	0.2	349.
1.3	13.0	690.7	925.0	20.0	17.8	172.6	14.2	-1.8	14.0	299.8	336.9	14.0	87.0	0.7	344.
1.9	15.4	720.6	900.0	18.3	17.0	180.4	18.1	0.1	18.1	300.3	336.7	13.7	92.1	1.5	350.
7.5	17.8	1168.3	875.0	16.7	15.7	194.3	19.4	4.8	18.8	301.2	335.9	13.0	93.9	2.4	357.
3.6	20.3	1416.4	850.0	16.7	15.5	210.2	18.0	9.1	15.6	303.7	334.6	13.2	92.7	3.5	5.
4.7	22.4	1471.1	825.0	15.7	14.4	219.2	17.1	10.8	13.2	305.2	334.5	12.6	91.8	4.5	12.
5.4	25.3	1932.7	800.0	13.9	12.7	225.4	17.0	12.1	11.9	316.0	319.0	11.7	92.7	5.5	18.
6.8	27.9	2202.5	775.0	12.3	-2.4	218.4	17.3	10.7	13.5	313.5	326.4	4.4	28.4	6.4	22.
7.7	30.4	2482.7	750.0	17.4	-18.7	205.0	19.1	8.1	17.3	315.5	313.3	1.2	7.0	7.4	23.
6.7	33.0	2770.3	725.0	15.4	-23.7	199.7	18.8	6.4	17.7	316.4	319.0	0.8	5.1	8.5	23.
7.7	35.8	3066.3	700.0	13.1	-30.7	200.3	18.3	6.3	17.2	317.0	317.6	0.2	1.3	9.6	23.
13.4	38.6	3169.7	675.0	10.5	-43.5	211.9	18.9	7.0	17.5	317.4	317.0	0.1	1.0	10.9	22.
12.3	41.3	3581.4	650.0	7.9	-45.1	201.1	18.1	6.5	18.9	317.9	318.3	0.1	1.0	12.1	22.
11.2	44.1	4002.9	625.0	5.0	-46.9	199.1	17.5	5.7	18.5	318.2	318.3	0.1	1.0	13.5	22.
14.6	47.0	4333.4	600.0	1.9	-43.2	197.9	17.6	5.4	18.7	318.4	318.5	0.1	1.0	14.9	22.
15.3	50.0	4678.4	575.0	-1.3	-46.6	196.9	19.0	4.9	18.3	318.1	314.9	0.1	1.6	16.4	21.
17.3	53.0	5024.4	550.0	-3.3	-52.0	186.9	17.9	2.8	17.7	320.2	320.4	0.1	1.0	17.9	21.
18.6	56.1	5392.6	525.0	-6.3	-53.4	183.7	20.4	1.3	20.4	320.8	321.0	0.0	1.0	19.3	19.
19.3	59.3	5771.7	500.0	-9.2	-55.7	190.8	18.9	3.5	18.6	321.8	322.0	0.0	1.0	20.8	18.
21.3	62.6	6168.1	475.0	-12.2	-57.7	199.7	18.9	6.4	17.8	322.9	323.0	0.0	1.0	22.4	18.
24.0	69.3	7004.4	425.0	-15.6	-59.8	209.0	20.5	9.9	17.9	323.6	323.7	0.0	1.0	23.9	19.
25.5	72.9	7511.0	400.0	-19.8	-55.5	214.3	20.0	11.3	18.5	323.7	323.9	3.0	2.5	25.6	20.
27.2	76.6	7929.3	375.0	-26.7	-56.4	211.9	17.5	9.2	18.9	326.3	326.5	0.0	3.9	27.3	20.
28.7	81.5	8413.4	350.0	-34.4	-57.9	216.7	18.2	8.6	15.5	327.7	328.9	0.1	8.1	29.1	21.
30.9	84.5	8936.9	325.0	-44.4	-53.8	211.7	18.2	12.2	17.6	329.3	329.5	0.0	7.1	31.0	22.
32.7	88.5	9492.0	300.0	-48.5	-51.3	217.0	25.6	15.4	20.5	331.1	331.2	0.0	7.0	33.7	24.
34.6	91.7	10092.8	275.0	-43.9	91.9	220.9	24.3	15.9	18.4	331.6	999.9	99.9	999.9	36.3	25.
36.6	97.4	10718.7	250.0	-49.5	99.9	226.7	24.0	19.3	17.4	332.4	999.9	99.9	999.9	41.1	26.
38.9	102.4	11398.9	225.0	-53.6	99.9	226.7	26.5	18.0	18.2	336.4	999.9	99.9	999.9	44.2	27.
41.3	107.8	12148.8	200.0	-54.1	99.9	222.2	26.8	18.0	18.8	339.3	999.9	99.9	999.9	47.6	28.
43.5	113.5	12748.8	175.0	-54.7	99.9	225.2	28.3	20.0	18.9	344.8	999.9	99.9	999.9	51.5	30.
45.4	119.4	13330.3	150.0	-59.6	92.9	999.9	99.9	99.9	367.6	999.9	999.9	99.9	999.9	999.9	999.9
48.2	94.2	94.9	125.0	43.0	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
50.2	99.2	99.9	102.0	49.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
52.2	99.2	99.9	75.0	92.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
54.2	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
56.2	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

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

STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
9 MAY 1979  
1705 GMT

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DEG C	DEW PT DEG C	DIR DEG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DEG K	E POT T DEG K	MAX RTO CM/KG	RH PCT	RANGE KM	AZ DEG
0-0	10-1	417-0	954-2	25-3	18-0	130-0	0-2	-4-7	4-0	302-8	339-4	13-8	64-0	0-0	0-
04-9	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	999-9
09-9	97-7	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	999-9
0-1	10-5	455-9	950-0	28-7	17-4	147-7	10-2	-5-5	0-7	323-3	338-1	13-4	64-0	0-2	353-
0-8	14-3	697-3	925-0	21-9	17-2	171-3	14-6	-2-2	14-3	301-7	337-8	13-3	74-7	0-8	343-
1-6	15-4	927-1	900-0	19-7	17-3	160-0	14-7	0-0	14-7	301-8	339-1	13-6	86-2	1-4	350-
2-4	17-9	1169-4	875-0	17-7	16-3	195-6	15-5	4-2	14-9	302-2	338-4	13-5	91-5	2-2	355-
3-3	20-4	1418-3	850-0	16-8	15-5	216-8	15-6	9-3	12-5	303-7	339-4	13-2	92-2	2-9	4-
4-2	23-0	1673-0	825-0	15-6	14-1	224-6	12-5	8-8	8-8	305-1	339-6	12-4	90-8	3-6	13-
5-1	25-6	1734-7	800-0	14-2	12-7	221-1	10-5	6-9	7-9	308-3	338-3	11-7	90-9	6-1	17-
6-1	28-2	2202-7	775-0	13-5	6-9	201-8	10-6	3-9	9-8	308-3	331-5	9-2	66-4	4-6	19-
7-1	30-9	2481-3	750-0	14-9	-8-2	194-6	14-1	3-6	13-6	310-9	323-6	2-8	17-3	5-3	18-
8-1	33-6	2789-3	725-0	15-6	-10-9	198-8	19-3	6-2	18-3	316-6	323-8	2-3	15-0	6-4	18-
9-1	36-3	3065-4	700-0	13-6	-13-6	202-8	20-0	7-7	18-4	317-6	323-6	1-9	13-7	7-7	16-
10-4	39-1	3369-7	675-0	10-7	-14-4	205-3	19-9	8-5	18-0	317-7	323-6	1-9	15-6	9-2	19-
11-6	42-0	3682-3	650-0	8-1	-15-6	203-3	21-1	8-3	19-4	318-1	323-7	1-7	16-7	10-6	20-
12-9	45-0	4005-1	625-0	4-9	-17-4	200-8	20-9	7-4	19-5	318-1	323-2	1-6	18-0	12-2	20-
14-1	47-8	4335-3	600-0	3-2	-18-2	201-1	21-3	7-6	19-8	318-6	323-5	1-5	20-3	13-8	20-
15-2	50-9	4676-5	575-0	-1-2	-19-0	202-2	20-3	7-7	18-3	318-6	323-1	1-4	22-4	15-2	21-
16-4	54-2	5029-7	550-0	-4-5	-21-4	199-9	19-2	6-5	18-6	318-7	322-8	1-3	25-2	16-6	21-
17-7	57-1	5393-0	525-0	-6-8	-29-5	197-4	20-7	6-2	18-8	320-2	322-6	0-6	14-4	18-1	20-
19-3	60-4	5772-2	500-0	-9-4	-30-9	201-5	21-2	7-8	19-7	321-6	323-6	0-6	15-4	20-2	20-
21-0	63-8	6166-1	475-0	-12-8	-32-0	203-5	21-1	6-4	19-3	322-1	324-0	0-5	18-3	22-2	21-
22-7	67-1	6576-0	450-0	-15-7	-35-3	202-5	26-9	9-9	24-0	323-5	324-9	0-6	16-7	24-5	21-
24-1	70-6	7094-7	425-0	-18-8	-37-9	206-8	21-5	9-7	19-2	324-9	326-1	3-3	16-5	26-9	21-
25-6	74-3	7432-9	400-0	-22-8	-41-0	212-0	20-3	10-8	17-2	324-9	326-3	0-3	17-8	28-3	21-
27-1	78-0	7923-1	375-0	-26-1	-43-2	213-7	23-8	12-8	18-1	327-8	327-8	0-2	18-1	30-6	22-
28-7	82-0	8418-4	350-0	-30-1	-45-6	216-5	22-8	13-6	18-3	328-2	328-9	0-2	20-2	32-5	23-
30-6	86-0	8911-4	325-0	-34-3	-48-6	216-2	24-9	14-7	20-1	329-4	329-9	0-1	21-7	35-0	24-
32-5	90-3	9486-8	300-0	-38-3	-51-9	999-9	99-9	99-9	99-9	331-4	331-8	0-1	22-0	999-9	999-9
34-9	94-9	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	999-9
37-3	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	999-9
39-9	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	999-9
42-9	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	999-9
45-9	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	999-9
48-9	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	999-9
51-9	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	999-9
54-9	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	999-9
57-9	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	999-9
60-9	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	999-9
63-9	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	999-9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME W/VE W/EM INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
9 MAY 1979  
2005 GMT

TIME MIN	CMCT	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 Y DG K	E POT Y DG K	WX RTO GM/KG	RH PCT	RANGE AZ KM DG
0.0	11.3	417.0	953.9	26.5	19.9	130.0	7.2	-5.5	4.6	303.7	366.2	15.1	65.9	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	99.9	999.9 999.
0.1	11.7	453.3	975.0	26.3	19.9	143.6	10.3	-6.1	8.3	303.9	345.1	15.3	66.7	0.2 347.
0.7	14.2	655.1	950.0	23.6	18.2	156.0	13.2	-5.4	12.0	303.4	342.2	15.4	72.0	0.7 336.
1.7	16.7	927.4	900.0	21.2	17.7	162.3	13.3	-4.1	12.7	303.4	341.9	15.3	80.3	1.6 337.
7.6	19.3	1171.5	875.0	19.3	17.3	172.1	12.2	-1.7	12.1	303.9	342.7	15.4	89.3	2.1 340.
3.5	21.9	1420.9	850.0	16.9	16.2	180.6	11.6	0.1	11.6	303.9	341.2	13.8	95.4	2.7 344.
4.4	24.4	1675.8	825.0	15.1	14.3	196.3	10.5	2.9	10.1	304.5	338.6	12.5	94.9	3.2 348.
9.3	27.0	1937.0	800.0	14.3	12.6	201.1	10.0	3.9	10.1	306.4	336.2	11.6	89.8	3.7 353.
4.3	29.8	2205.0	775.0	12.1	10.0	197.1	11.0	3.5	11.3	308.8	334.6	10.0	86.7	4.3 357.
7.2	32.4	2460.7	750.0	10.0	-24.0	191.6	10.2	3.3	15.0	313.9	316.3	0.7	4.8	5.1 359.
4.2	35.2	2767.9	725.0	15.4	-25.0	178.9	10.8	6.1	17.8	316.4	316.7	0.7	4.5	8.0 2.
5.3	38.0	3064.1	700.0	14.3	-25.6	200.6	21.2	7.5	19.6	318.3	320.6	0.7	4.7	7.3 5.
10.5	41.8	3369.0	675.0	11.7	-26.9	195.2	21.5	5.6	20.7	318.7	320.9	0.6	5.0	8.9 8.
11.7	43.7	3642.5	650.0	8.6	-28.3	193.0	20.3	4.6	19.0	318.7	320.7	0.6	5.3	10.3 8.
12.9	45.5	4004.5	625.0	5.7	-29.7	194.0	19.4	5.0	18.0	319.0	320.9	0.6	6.2	11.7 9.
14.1	47.3	4336.3	600.0	2.7	-26.6	197.5	20.5	6.2	19.6	319.2	321.7	0.7	9.3	13.2 10.
15.3	49.6	4678.2	575.0	-0.8	-28.3	202.0	20.4	7.6	18.9	319.1	321.2	0.6	9.7	14.7 11.
16.6	51.8	5030.7	550.0	-3.6	-30.9	205.2	19.8	8.4	17.9	319.5	321.3	0.5	10.0	16.2 12.
17.9	54.0	5395.7	525.0	-7.2	-33.2	208.7	20.0	6.4	18.1	319.8	321.3	0.4	10.3	17.7 13.
19.1	56.1	5773.7	500.0	-10.1	-35.1	199.2	21.0	6.9	19.8	320.8	321.7	0.3	7.2	19.2 14.
20.5	58.4	6167.4	475.0	-12.3	-41.8	198.8	21.5	6.9	20.4	323.7	323.5	0.2	6.4	20.9 14.
21.9	60.9	6578.3	450.0	-15.1	-43.7	206.2	22.1	9.7	18.8	323.3	325.1	0.2	8.3	22.8 15.
23.3	63.4	7007.4	425.0	-18.5	-43.7	211.5	22.3	11.6	19.0	325.3	326.0	0.2	8.0	24.7 16.
24.7	65.9	7457.3	400.0	-21.2	-45.5	211.9	22.7	13.6	21.8	327.5	328.1	0.2	9.0	26.9 17.
26.1	68.4	7929.0	375.0	-25.6	-49.1	219.9	24.4	15.4	19.0	327.8	326.2	0.1	10.0	29.3 19.
27.5	70.9	8425.9	350.0	-29.0	-49.9	224.4	26.7	18.7	19.1	329.6	330.1	0.1	12.5	32.0 21.
28.9	73.4	8951.2	325.0	-33.1	-52.0	228.5	28.5	18.3	18.3	331.1	331.5	0.1	13.0	34.7 23.
30.3	75.9	9508.2	300.0	-37.7	-55.5	222.9	28.2	17.8	18.2	332.3	332.5	0.1	13.4	37.1 25.
31.7	78.4	10103.3	275.0	-42.3	-59.9	217.7	28.5	15.6	20.2	333.9	333.9	0.0	99.9	40.0 26.
33.1	80.9	10739.4	250.0	-48.0	-64.0	199.9	29.9	99.9	99.9	336.7	336.7	99.9	99.9	999.9 999.
34.5	83.4	11415.5	225.0	-54.9	-69.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
35.9	85.9	12141.6	200.0	-62.9	-76.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
37.3	88.4	12917.7	175.0	-72.9	-84.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
38.7	90.9	13743.8	150.0	-80.9	-92.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
40.1	93.4	14619.9	125.0	-90.9	-100.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
41.5	95.9	15546.0	100.0	-102.9	-109.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
42.9	98.4	16522.1	75.0	-117.9	-119.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
44.3	100.9	17548.2	50.0	-130.9	-130.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
45.7	103.4	18624.3	25.0	-145.9	-140.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.
47.1	105.9	19750.4	0.0	-163.9	-150.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9 999.

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

STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
9 MAY 1979  
2333 GMT

125 100. 0

TIME M/H	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEB PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT 7 DG K	E POT 7 DG K	MIX RTO CM/KG	RH PCT	RANGE KM	AZ DG
0-0	11-2	017-0	951-0	23-9	18-6	140-0	0-7	-4-3	5-1	303-4	341-9	14-3	64-8	0-0	0-
05-0	09-0	09-0	1000-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	09-9	099-9
0-2	11-3	026-3	950-0	23-8	18-6	141-7	7-8	-4-8	6-1	303-3	342-0	14-4	64-6	0-0	350-
0-9	13-6	001-7	925-0	23-7	18-5	155-5	17-1	-7-1	15-5	303-5	342-9	14-6	72-0	0-0	337-
1-0	16-0	000-4	900-0	21-7	16-2	158-1	17-9	-6-5	16-3	303-9	343-7	14-8	60-2	1-8	336-
2-0	18-5	114-8	875-0	19-4	17-3	160-7	18-4	-6-1	11-4	303-9	342-7	14-4	87-6	2-7	338-
3-5	20-9	139-4	850-0	18-1	14-7	165-4	17-1	-4-3	18-5	305-1	339-1	12-5	80-3	3-6	338-
4-3	23-3	1650-5	825-0	16-8	12-6	176-0	15-3	-1-1	18-3	306-4	337-3	11-2	76-3	4-4	341-
5-3	25-9	1912-9	800-0	15-2	12-2	187-6	15-6	2-1	15-4	307-3	338-6	11-3	82-7	5-3	345-
6-4	21-4	2181-7	775-0	14-4	5-2	197-9	18-6	5-7	17-7	309-4	339-7	7-5	56-8	6-2	349-
7-4	31-0	2460-9	750-0	18-7	-10-0	200-0	21-9	7-5	20-6	316-9	324-6	2-4	13-2	7-4	350-
8-5	33-6	2750-1	725-0	18-6	-13-7	196-2	24-2	6-7	23-2	317-6	323-5	1-8	11-3	9-0	350-
9-9	36-3	3047-0	700-0	18-1	-15-3	197-1	23-7	7-9	22-6	318-1	323-5	1-7	11-5	10-7	2-
11-0	37-9	3331-7	675-0	11-2	-17-3	200-3	24-8	8-6	23-3	318-2	322-9	1-4	11-8	12-2	4-
12-2	41-8	3655-1	650-0	8-8	-19-0	202-8	25-3	11-0	26-1	319-0	323-2	1-3	12-0	14-1	6-
13-5	44-7	3987-6	625-0	5-7	-21-7	209-3	23-3	11-4	28-3	319-0	322-5	1-1	11-7	16-1	9-
14-9	47-5	4319-1	600-0	2-6	-23-7	206-0	22-1	10-0	19-7	319-3	322-5	0-9	12-0	17-7	11-
16-3	50-5	4641-7	575-0	-0-0	-26-2	202-8	22-0	8-5	20-3	320-0	322-6	0-8	11-8	19-7	12-
17-7	53-5	5015-3	550-0	-3-3	-28-7	199-9	23-3	7-9	21-9	320-2	322-4	0-6	11-8	21-4	13-
19-2	56-5	5381-5	525-0	-5-7	-31-2	202-7	25-5	9-4	22-6	321-5	323-4	0-5	11-3	23-3	13-
20-4	59-7	5762-2	500-0	-8-0	-32-8	206-2	24-8	10-6	21-5	323-3	325-0	0-5	11-5	25-2	14-
21-9	62-9	6159-3	475-0	-11-0	-34-1	211-6	23-3	13-2	19-5	324-3	325-9	0-4	12-8	27-3	15-
23-3	66-3	6570-3	450-0	-15-2	-37-9	217-1	24-4	14-7	19-5	324-2	325-3	0-3	12-2	29-5	17-
25-1	69-7	6999-9	425-3	-17-7	-35-4	221-5	24-8	16-5	18-6	324-3	327-9	0-4	10-4	31-8	18-
26-9	73-1	7459-9	400-0	-20-9	-36-7	222-6	25-4	17-2	18-7	327-6	329-3	0-4	22-6	34-4	20-
28-5	76-9	7925-0	375-0	-23-7	-42-7	227-6	26-9	19-9	18-2	328-3	331-2	0-2	15-3	36-7	22-
30-1	80-6	8425-1	350-0	-28-1	-46-3	233-3	26-7	21-4	16-0	330-9	331-6	0-2	15-4	39-0	24-
31-9	84-5	8911-9	325-0	-32-7	-49-9	236-8	26-6	20-6	13-5	331-7	332-1	0-1	15-0	41-4	26-
33-7	89-7	9510-0	300-0	-37-1	-51-9	230-7	27-0	21-5	17-6	333-1	333-5	0-1	19-4	43-8	28-
35-4	93-0	10105-6	275-0	-41-8	99-9	224-8	24-1	18-4	15-5	334-7	999-9	99-9	999-9	46-3	30-
37-6	97-7	10744-0	250-0	-47-1	99-9	228-9	25-0	17-5	14-6	336-9	999-9	99-9	999-9	49-3	30-
39-9	102-8	11433-6	225-0	-52-2	99-9	229-7	25-3	16-3	14-0	338-5	999-9	99-9	999-9	52-5	31-
42-3	107-8	12106-1	200-0	-57-6	99-9	236-6	25-4	21-2	14-0	341-6	999-9	99-9	999-9	54-9	33-
44-6	113-0	13022-5	175-0	-60-7	99-9	258-2	23-3	23-6	5-8	349-0	999-9	99-9	999-9	58-9	34-
47-0	120-0	13777-0	150-0	-62-4	99-9	242-5	24-1	23-2	12-1	342-6	999-9	99-9	999-9	61-2	36-
50-2	127-0	15109-5	125-0	-63-2	99-9	999-9	99-9	99-9	99-9	348-0	999-9	99-9	999-9	64-7	38-
53-7	135-8	16075-0	100-0	-63-0	99-9	999-9	99-9	99-9	99-9	086-1	999-9	99-9	999-9	68-9	39-
59-9	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	99-9	999-9
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	99-9	999-9

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

STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
10 MAY 1979  
205 GMT

TIME MIN	CNTCT	WEIGHT 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	RA BTO CM/KG	RM PCT	RANGE KM	AZ DG
0-0	19-9	417-0	951-9	23-2	18-9	130-0	7-7	-5-9	4-9	380-6	339-5	14-7	77-6	0-0	0
0-1	21-9	440-0	1000-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-2	23-9	469-0	975-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	999-9	999-9
0-3	25-9	498-0	950-0	22-9	19-1	156-6	19-3	-7-3	16-6	308-4	339-7	14-8	79-4	0-5	300
0-4	27-9	527-0	925-0	22-9	19-7	157-0	19-3	-7-5	17-8	302-7	344-9	15-8	82-2	0-9	338
0-5	29-9	556-0	900-0	20-7	19-0	159-9	23-2	-6-0	21-6	302-9	344-6	15-6	89-6	2-1	336
0-6	31-9	585-0	875-0	19-1	18-0	165-4	24-6	-6-2	23-8	303-6	344-2	15-1	93-5	3-4	339
0-7	33-9	614-0	850-0	18-5	16-4	174-2	28-9	-2-1	26-8	305-5	343-5	14-0	87-5	4-7	362
0-8	35-9	643-0	825-0	18-4	14-4	177-1	18-1	-0-9	19-0	305-9	340-6	12-7	89-3	5-7	395
0-9	37-9	672-0	800-0	18-2	13-2	183-4	17-3	1-0	17-3	306-3	339-4	12-1	93-6	6-7	367
1-0	39-9	701-0	775-0	12-3	10-8	195-8	18-2	5-0	17-6	307-0	336-4	10-6	90-7	7-6	352
1-1	41-9	730-0	750-0	16-7	-30-3	203-7	19-8	8-0	18-2	314-7	320-2	1-9	13-6	8-6	354
1-2	43-9	759-0	725-0	15-6	-39-6	199-5	22-6	7-6	21-3	316-8	317-4	0-2	1-1	9-6	357
1-3	45-9	788-0	700-0	13-5	-39-3	201-6	25-0	9-2	23-2	317-4	318-1	0-2	1-3	11-0	360
1-4	47-9	817-0	675-0	11-1	-38-6	202-1	27-7	10-4	25-7	318-1	318-8	0-2	1-6	12-7	3
1-5	49-9	846-0	650-0	8-7	-38-9	204-5	23-7	9-8	21-5	318-8	319-5	0-2	1-8	14-5	6
1-6	51-9	875-0	625-0	5-5	-39-4	204-5	23-9	9-9	21-8	318-8	319-5	0-2	2-2	16-0	7
1-7	53-9	904-0	600-0	2-4	-40-1	205-8	23-2	10-1	20-9	318-9	319-5	0-2	2-5	17-7	9
1-8	55-9	933-0	575-0	-0-7	-41-1	200-7	24-5	8-7	23-9	319-1	319-8	0-2	2-8	19-3	11
1-9	57-9	962-0	550-0	-3-4	-42-1	194-0	23-7	5-7	23-0	319-8	320-4	0-2	3-2	20-9	11
2-0	59-9	991-0	525-0	-6-1	-43-1	207-6	30-7	14-2	27-2	321-1	321-7	0-2	3-4	22-7	11
2-1	61-9	1020-0	500-0	-8-2	-43-5	224-6	34-4	24-2	24-5	323-0	323-6	0-2	3-9	25-1	14
2-2	63-9	1049-0	475-0	-11-6	-44-9	219-6	23-6	16-3	19-7	323-4	324-9	0-4	12-8	27-1	17
2-3	65-9	1078-0	450-0	-14-6	-45-7	220-2	24-6	15-9	18-8	324-9	326-8	0-5	14-6	29-1	18
2-4	67-9	1107-0	425-0	-17-6	-46-5	218-6	26-2	16-3	20-5	326-5	327-6	0-3	14-1	31-4	20
2-5	69-9	1136-0	400-0	-21-6	-47-7	218-1	27-1	16-7	21-3	326-7	327-6	0-3	14-0	33-4	21
2-6	71-9	1165-0	375-0	-24-9	-48-7	226-4	27-2	19-7	18-7	328-7	329-4	0-2	13-8	36-0	21
2-7	73-9	1194-0	350-0	-28-3	-47-5	224-3	28-2	21-4	18-4	330-6	331-2	0-1	13-7	38-7	25
2-8	75-9	1223-0	325-0	-32-4	-51-8	224-3	28-2	18-3	18-6	332-0	332-6	0-1	12-4	41-2	28
2-9	77-9	1252-0	300-0	-36-4	-54-3	223-1	28-6	19-7	21-0	336-1	334-4	0-1	12-8	43-8	27
3-0	79-9	1281-0	275-0	-41-3	-54-9	221-5	28-7	19-7	18-0	335-3	999-9	99-9	999-9	45-8	28
3-1	81-9	1310-0	250-0	-46-6	-59-9	227-0	28-0	19-0	17-7	336-5	999-9	99-9	999-9	49-7	29
3-2	83-9	1339-0	225-0	-51-8	-64-6	234-2	24-3	19-7	18-2	339-1	999-9	99-9	999-9	52-9	31
3-3	85-9	1368-0	200-0	-55-7	-69-9	244-8	24-3	22-0	10-4	344-5	999-9	99-9	999-9	55-3	32
3-4	87-9	1397-0	175-0	-62-2	-74-9	267-8	23-8	23-8	9-9	347-4	999-9	99-9	999-9	57-8	34
3-5	89-9	1426-0	150-0	-65-1	-79-9	248-5	24-4	24-5	9-7	376-0	999-9	99-9	999-9	60-2	36
3-6	91-9	1455-0	125-0	-68-5	-84-9	999-9	99-9	99-9	99-9	374-6	999-9	99-9	999-9	62-0	37
3-7	93-9	1484-0	100-0	-69-4	-89-9	999-9	99-9	99-9	99-9	407-1	999-9	99-9	999-9	64-9	39
3-8	95-9	1513-0	75-0	-74-0	-94-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	67-8	41
3-9	97-9	1542-0	50-0	-78-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	70-7	43
4-0	99-9	1571-0	25-0	-82-0	-104-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	73-6	45
4-1	01-9	1600-0	0-0	-85-0	-109-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	999-9	76-5	47

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



STATION NO. 34  
MOUNTAIN VIEW, OKLAHOMA  
18 MAY 1979  
050 GMT

TIME MIN	CNCT	WEIGHT GPM	PRES MB	TEMP DG C	DEP AT 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 STD GM/KG	RH PCT	RANGE KM	AZ DG
00	11.9	417.2	952.8	22.5	19.1	130.0	5.7	-4.4	3.7	299.8	338.9	14.8	81.0	0.0	0.
01	09.9	99.9	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
02	09.9	99.9	975.0	72.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
03	11.2	440.3	950.0	22.4	19.2	136.0	7.8	-5.4	5.6	299.9	339.5	18.0	82.5	0.1	387.
04	13.7	672.5	925.2	21.0	19.1	160.3	17.7	-6.0	16.6	300.8	341.3	19.3	88.9	1.0	341.
05	16.1	909.9	909.9	17.2	18.2	169.3	22.5	-6.1	21.7	301.3	340.8	14.8	93.9	2.0	343.
06	18.0	1152.5	875.0	17.3	16.5	169.1	23.2	-4.8	22.7	301.8	338.4	13.7	95.1	3.4	343.
07	21.1	1500.5	850.0	16.1	15.3	178.6	23.4	-2.4	23.3	303.1	338.2	13.0	94.9	4.7	346.
08	23.6	1954.2	825.0	15.1	14.2	178.9	23.5	-0.5	23.5	304.5	338.5	12.5	94.7	6.2	346.
09	26.2	1916.3	800.0	15.0	11.8	189.0	19.0	3.9	18.6	307.2	337.8	11.0	81.5	7.5	351.
10	28.8	2186.1	775.0	15.8	7.5	210.0	16.8	8.4	16.5	318.8	334.9	8.5	58.1	6.5	354.
11	31.4	2465.1	750.0	15.4	0.5	217.3	19.7	11.3	14.9	318.3	329.6	9.6	38.0	9.3	359.
12	34.1	2751.1	725.0	14.9	-16.5	212.4	21.9	12.1	18.3	318.8	320.5	1.4	9.9	10.2	2.
13	36.8	3037.0	700.0	12.9	-19.3	212.5	22.0	11.8	18.5	314.3	320.2	1.2	9.1	11.2	5.
14	39.6	3323.5	675.0	10.4	-21.4	207.1	25.5	11.6	22.7	317.3	320.7	1.0	8.6	12.4	8.
15	42.4	3610.7	650.0	7.7	-23.1	208.0	25.6	11.2	23.0	317.7	320.7	0.9	9.0	13.7	10.
16	45.3	3893.9	625.0	5.0	-24.9	206.1	23.7	11.3	23.1	318.1	320.8	0.8	9.3	15.2	11.
17	48.2	4174.8	600.0	2.1	-26.7	206.5	26.6	11.8	23.8	318.6	321.0	0.7	9.6	16.6	13.
18	51.2	4456.4	575.0	-1.0	-27.6	209.2	28.0	13.0	23.4	318.9	321.2	0.7	11.1	18.6	14.
19	54.1	4738.9	550.0	-4.1	-30.4	210.4	28.7	13.5	23.1	319.3	321.2	0.5	10.7	20.5	16.
20	57.3	5021.1	525.0	-6.3	-33.2	213.5	24.4	13.5	20.4	320.8	322.4	0.4	9.7	22.1	17.
21	60.5	5303.8	500.0	-8.8	-32.3	213.4	25.4	14.0	21.2	322.4	324.1	0.5	12.8	23.9	18.
22	63.8	5586.8	475.0	-12.2	-27.1	216.2	23.6	13.9	19.0	322.9	325.8	0.9	27.5	25.6	19.
23	67.1	5869.0	450.0	-15.4	-24.7	216.8	23.8	14.2	19.0	323.9	326.4	0.7	28.0	27.4	21.
24	70.7	6151.2	425.0	-17.9	-34.5	213.9	25.8	14.4	21.4	326.1	327.8	0.5	21.7	29.4	22.
25	74.3	6433.4	400.0	-20.8	-39.7	209.1	26.4	12.9	23.1	328.0	329.0	0.3	16.4	31.5	22.
26	78.0	6715.2	375.0	-24.7	-42.8	213.7	26.0	14.4	21.6	328.9	329.7	0.2	16.7	33.6	23.
27	81.6	6997.0	350.0	-28.1	-46.5	216.7	27.7	16.5	22.2	330.8	331.5	0.2	15.2	36.1	24.
28	85.8	7278.8	325.0	-31.8	-49.4	218.3	25.9	16.1	20.4	332.8	333.3	0.1	15.4	38.8	25.
29	89.9	7560.6	300.0	-36.4	-53.1	217.3	27.1	16.5	21.6	334.1	334.4	0.1	15.8	41.4	26.
30	94.8	7842.4	275.0	-41.7	-56.9	221.7	27.3	18.1	20.3	334.9	334.9	99.9	99.9	43.4	28.
31	99.2	8124.2	250.0	-47.0	-60.9	220.1	26.3	19.8	17.2	336.2	336.2	99.9	99.9	47.6	28.
32	104.0	8406.0	225.0	-51.8	-65.0	214.2	27.8	24.4	13.4	339.2	339.2	99.9	99.9	50.3	29.
33	109.4	8687.8	200.0	-57.5	-69.9	209.2	27.3	26.4	7.0	341.7	339.9	99.9	99.9	53.0	32.
34	115.0	8969.6	175.0	-62.6	-74.8	209.6	15.7	15.5	2.6	344.7	339.9	99.9	99.9	54.9	36.
35	121.5	9251.4	150.0	-68.5	-79.9	220.3	16.3	16.7	11.8	348.2	339.9	99.9	99.9	56.2	35.
36	128.5	9533.2	125.0	-85.3	-85.0	99.9	99.9	99.9	99.9	376.8	339.9	99.9	99.9	60.1	35.
37	136.3	9815.0	100.0	-93.1	-90.9	99.9	99.9	99.9	99.9	408.8	339.9	99.9	99.9	69.9	99.9
38	144.1	10096.8	75.0	-99.9	-96.9	99.9	99.9	99.9	99.9	440.8	339.9	99.9	99.9	99.9	99.9
39	151.9	10378.6	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	472.8	339.9	99.9	99.9	99.9	99.9
40	159.7	10660.4	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	504.8	339.9	99.9	99.9	99.9	99.9
41	167.5	10942.2	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	536.8	339.9	99.9	99.9	99.9	99.9
42	175.3	11224.0	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	568.8	339.9	99.9	99.9	99.9	99.9
43	183.1	11505.8	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	600.8	339.9	99.9	99.9	99.9	99.9
44	190.9	11787.6	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	632.8	339.9	99.9	99.9	99.9	99.9
45	198.7	12069.4	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	664.8	339.9	99.9	99.9	99.9	99.9
46	206.5	12351.2	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	696.8	339.9	99.9	99.9	99.9	99.9
47	214.3	12633.0	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	728.8	339.9	99.9	99.9	99.9	99.9
48	222.1	12914.8	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	760.8	339.9	99.9	99.9	99.9	99.9
49	229.9	13196.6	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	792.8	339.9	99.9	99.9	99.9	99.9
50	237.7	13478.4	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	824.8	339.9	99.9	99.9	99.9	99.9
51	245.5	13760.2	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	856.8	339.9	99.9	99.9	99.9	99.9
52	253.3	14042.0	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	888.8	339.9	99.9	99.9	99.9	99.9
53	261.1	14323.8	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	920.8	339.9	99.9	99.9	99.9	99.9
54	268.9	14605.6	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	952.8	339.9	99.9	99.9	99.9	99.9
55	276.7	14887.4	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	984.8	339.9	99.9	99.9	99.9	99.9
56	284.5	15169.2	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	1016.8	339.9	99.9	99.9	99.9	99.9
57	292.3	15451.0	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	1048.8	339.9	99.9	99.9	99.9	99.9
58	300.1	15732.8	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	1080.8	339.9	99.9	99.9	99.9	99.9
59	307.9	16014.6	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	1112.8	339.9	99.9	99.9	99.9	99.9
60	315.7	16296.4	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	1144.8	339.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE OF BEEM 6 AND 10 DEG  
 C BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 36  
SEILING, OKLAHOMA

9 MAY 1979  
1705 GMT

127 98. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DC C	DEP RT DC C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	WZ RTO GM/10	RH PCV	RANGE KM	AZ DG
0.0	12.9	589.0	936.4	23.7	19.2	180.8	8.1	8.8	9.1	302.7	15.2	76.8	8.8	0.
90.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
97.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
96.9	93.9	99.9	950.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.3	13.0	677.4	925.8	21.7	19.5	69.8	6.1	-5.8	-2.1	301.6	15.7	81.1	0.9	9.
1.1	16.3	915.3	900.0	19.4	18.0	153.7	6.7	-3.8	7.8	301.5	16.6	91.8	0.9	338.
2.0	19.7	1157.9	875.0	17.3	17.0	196.0	13.3	3.2	12.9	301.8	14.1	98.3	1.7	2.
2.9	21.3	1405.7	850.0	15.5	15.4	207.8	13.6	6.3	12.0	302.4	13.1	99.4	2.3	8.
3.7	23.8	1639.5	825.8	14.5	14.4	217.2	14.4	8.7	11.4	306.0	12.7	99.3	3.0	16.
4.5	26.3	1920.2	800.0	13.2	13.1	223.3	14.3	9.8	10.4	309.3	12.9	99.3	3.6	18.
5.5	29.9	2187.3	775.0	10.9	9.1	223.0	14.5	3.5	9.1	305.6	9.4	88.4	4.3	23.
6.5	31.5	2493.1	750.0	9.4	-2.0	202.8	12.0	4.5	11.2	308.8	4.4	45.3	5.0	25.
7.6	34.2	2742.9	725.0	11.9	-9.0	208.6	16.4	5.8	19.3	312.6	2.7	22.6	5.8	24.
8.4	36.9	3035.2	700.0	11.2	-17.5	205.1	20.8	8.8	18.8	316.8	1.4	11.6	7.0	26.
9.5	39.7	3338.6	675.0	10.0	-19.6	202.3	23.8	9.8	22.0	320.7	1.2	10.5	8.3	26.
10.6	42.5	3657.5	650.0	7.4	-21.1	196.9	22.5	6.6	21.9	317.3	1.1	11.0	9.9	23.
12.0	45.4	3971.6	625.0	5.4	-21.0	198.2	22.2	6.2	21.3	318.6	1.1	12.8	11.6	22.
13.2	49.3	4323.9	600.0	3.2	-21.7	195.2	21.3	5.6	20.6	319.8	1.1	14.8	13.3	21.
14.5	51.3	4640.6	575.0	-0.0	-22.2	193.1	21.7	6.9	21.2	320.0	1.1	16.9	15.8	21.
15.6	54.4	5000.1	550.0	-6.6	-23.2	189.1	22.1	3.5	21.8	319.8	1.1	20.1	18.4	20.
16.8	57.5	5365.4	525.0	-8.8	-25.3	188.4	23.6	3.4	23.3	320.3	0.9	21.1	18.6	19.
18.0	60.6	5744.5	500.0	-9.0	-30.3	193.0	23.3	5.2	22.7	322.1	0.6	15.6	19.6	18.
19.3	63.9	6139.1	475.0	-12.2	-28.9	196.7	23.0	6.6	22.8	322.9	0.9	17.2	21.4	18.
20.7	67.3	6599.9	450.0	-15.6	-26.9	197.1	21.8	8.4	20.8	323.7	0.9	18.8	23.3	18.
22.2	70.7	6978.0	425.0	-19.4	-27.0	199.2	20.9	6.9	19.7	324.1	1.0	20.8	25.1	18.
23.7	74.3	7425.1	400.0	-23.0	-33.3	203.7	23.8	9.6	21.8	325.1	0.6	18.4	27.1	18.
25.3	78.0	7895.2	375.0	-25.3	-39.7	206.5	27.0	12.1	24.2	326.1	0.3	24.5	29.6	19.
27.3	82.0	8392.6	350.0	-28.2	-42.6	206.4	29.5	13.2	26.5	329.4	0.3	26.2	32.9	19.
29.0	85.8	8918.3	325.0	-32.8	-45.0	212.2	27.8	14.8	23.5	331.5	0.2	27.9	35.8	20.
31.1	90.2	9476.7	300.0	-37.6	-50.2	217.4	28.2	15.9	20.8	332.3	0.1	25.1	38.8	21.
33.0	94.5	10070.7	275.0	-42.6	-59.9	220.6	27.4	17.9	20.8	333.6	99.9	99.9	41.9	23.
35.2	99.2	10708.7	250.0	-47.9	-67.9	220.8	27.3	17.8	20.6	336.8	99.9	99.9	49.3	26.
37.5	104.2	11391.8	225.0	-54.2	-99.9	221.5	28.1	18.6	21.1	339.5	99.9	99.9	69.8	29.
40.1	109.4	12136.8	200.0	-59.6	-99.9	227.6	34.5	25.9	23.3	347.6	99.9	99.9	98.5	29.
42.9	115.3	12985.1	175.0	-62.0	-99.9	233.1	33.8	18.3	28.1	389.1	99.9	99.9	64.4	30.
45.8	121.5	17428.2	150.0	-58.6	-99.9	218.4	27.1	16.8	21.2	385.2	99.9	99.9	71.8	31.
49.5	128.7	15043.2	125.0	-68.6	-99.9	999.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
53.6	136.5	16454.0	100.0	-61.1	-99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	99.9

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

STATION NO. 36  
SEILING, OKLAHOMA  
9 MAY 1979  
2005 GMT

TIME MIN	CHTCY	WEIGHT GPM	WRES MR	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG R	E POT T DG R	HR STD GM/RS	RM PCT	120 99.0	99.0	0
0.0	13.0	589.0	934.0	49.3	18.7	180.0	3.1	0.0	3.1	305.4	345.2	14.7	83.0	0.0	0.0	0.0
0.5	04.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
0.5	07.0	99.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
0.5	09.0	99.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
0.5	14.5	674.1	925.0	23.3	17.2	999.9	99.9	99.9	99.9	303.2	339.6	13.5	88.6	999.9	999.9	999.9
1.3	17.0	913.2	900.0	21.2	18.2	999.9	99.9	99.9	99.9	303.4	343.1	14.8	82.7	999.9	999.9	999.9
2.3	19.5	1157.4	875.0	18.7	16.9	999.9	99.9	99.9	99.9	303.3	341.0	14.0	80.9	999.9	999.9	999.9
3.2	22.2	1406.4	853.0	17.2	15.5	999.9	99.9	99.9	99.9	304.2	340.0	13.2	80.1	999.9	999.9	999.9
4.2	24.5	1681.4	825.0	15.4	13.6	999.9	99.9	99.9	99.9	308.9	337.5	12.0	80.9	999.9	999.9	999.9
5.3	27.1	1923.0	803.0	13.7	11.5	999.9	99.9	99.9	99.9	305.7	335.3	10.8	80.9	999.9	999.9	999.9
6.5	29.7	2191.1	775.0	12.0	9.5	999.9	99.9	99.9	99.9	308.7	333.7	9.7	80.9	999.9	999.9	999.9
7.5	32.3	2454.2	750.0	12.4	3.3	999.9	99.9	99.9	99.9	310.0	328.5	6.4	53.4	999.9	999.9	999.9
8.4	35.1	2751.1	725.0	13.0	-3.4	999.9	99.9	99.9	99.9	313.8	326.1	4.1	31.7	999.9	999.9	999.9
9.2	37.9	3045.4	700.0	12.1	-11.5	999.9	99.9	99.9	99.9	315.7	323.0	2.3	18.0	999.9	999.9	999.9
10.1	40.4	3341.4	675.0	10.7	-12.5	999.9	99.9	99.9	99.9	317.7	324.5	2.2	18.1	999.9	999.9	999.9
11.2	43.4	3631.4	650.0	8.0	-14.2	999.9	99.9	99.9	99.9	318.0	324.0	1.9	18.0	999.9	999.9	999.9
12.3	46.3	3923.5	625.0	5.0	-17.2	999.9	99.9	99.9	99.9	318.1	323.1	1.6	18.2	999.9	999.9	999.9
13.5	49.3	4214.4	600.0	2.1	-19.4	999.9	99.9	99.9	99.9	318.6	323.0	1.4	18.4	999.9	999.9	999.9
14.4	52.3	4505.6	575.0	-0.9	-21.8	999.9	99.9	99.9	99.9	318.9	322.7	1.2	18.7	999.9	999.9	999.9
16.0	55.4	5334.5	550.0	-3.7	-24.3	999.9	99.9	99.9	99.9	319.7	323.0	1.0	18.9	999.9	999.9	999.9
17.2	59.5	5373.6	525.0	-7.0	-26.4	999.9	99.9	99.9	99.9	320.1	322.9	0.8	19.3	999.9	999.9	999.9
19.6	61.9	5751.5	500.0	-10.7	-28.7	999.9	99.9	99.9	99.9	320.0	322.4	0.7	21.1	999.9	999.9	999.9
19.4	65.0	6144.0	475.0	-12.9	-31.4	999.9	99.9	99.9	99.9	320.0	324.0	0.6	19.8	999.9	999.9	999.9
21.0	69.4	6538.6	450.0	-15.9	-33.6	999.9	99.9	99.9	99.9	320.5	324.9	0.5	23.5	999.9	999.9	999.9
22.2	71.9	6942.4	425.0	-19.1	-34.7	999.9	99.9	99.9	99.9	320.1	326.1	0.3	20.7	999.9	999.9	999.9
23.7	75.4	7411.3	400.0	-22.3	-38.7	999.9	99.9	99.9	99.9	320.7	326.0	0.4	30.1	999.9	999.9	999.9
25.4	79.3	7901.3	375.0	-26.3	-38.6	999.9	99.9	99.9	99.9	320.7	326.0	0.4	30.2	999.9	999.9	999.9
27.4	83.1	8390.4	350.0	-29.8	-41.6	218.9	28.0	17.6	21.8	328.6	329.7	0.3	26.0	999.9	999.9	999.9
29.4	87.0	8923.7	325.0	-33.4	-46.2	221.3	26.3	17.3	19.7	330.6	331.3	0.2	26.0	999.9	999.9	999.9
31.5	91.2	9477.5	300.0	-37.7	-50.1	220.1	27.6	17.6	21.1	332.2	332.7	0.1	25.9	999.9	999.9	999.9
33.4	95.4	10070.6	275.0	-42.4	-59.9	219.7	28.6	18.3	22.0	333.1	332.9	0.0	999.9	999.9	999.9	999.9
36.0	100.4	10706.9	250.0	-48.0	-69.9	221.1	28.7	21.8	22.8	334.7	332.9	0.0	999.9	999.9	999.9	999.9
38.4	105.4	11392.4	225.0	-54.5	-79.9	223.0	28.5	23.0	19.6	335.0	332.9	0.0	999.9	999.9	999.9	999.9
40.7	117.4	12137.4	200.0	-59.7	-89.9	230.8	28.5	23.0	18.9	336.1	332.9	0.0	999.9	999.9	999.9	999.9
43.5	116.5	12942.9	175.0	-64.9	-99.9	230.2	30.0	23.0	18.2	342.8	332.9	0.0	999.9	999.9	999.9	999.9
44.7	122.9	13423.2	150.0	-59.3	-99.9	217.7	30.2	18.4	23.9	369.7	332.9	0.0	999.9	999.9	999.9	999.9
51.4	129.8	15366.6	125.0	-59.7	-99.9	217.5	28.9	17.6	22.9	386.9	332.9	0.0	999.9	999.9	999.9	999.9
57.1	137.7	16453.4	100.0	-62.5	-99.9	999.9	99.9	99.9	99.9	407.0	332.9	0.0	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9	999.9

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

STATION NO. 36  
 BEILING, OKLAHOMA  
 9 MAY 1979  
 2305 GMT

120 89. 0

FILE MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP K/SEC	POT T DG K	E POT Y DG K	WX RTO CM/KG	RM PCT	RM K	RMSE K	AZ DG
0.0	13.5	589.0	932.0	24.2	18.6	180.0	12.9	0.6	12.9	303.4	342.8	14.7	71.0	0.0	0.0	0.
9.0	90.9	1000.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	973.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	953.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
0.6	14.2	655.1	925.0	23.0	17.3	154.2	9.9	-4.3	8.9	302.9	330.3	13.6	70.1	0.2	330.	0.
1.6	16.6	693.1	900.0	19.9	15.9	151.0	16.4	-8.0	14.3	302.0	330.4	12.8	78.8	1.0	331.	0.
2.4	19.0	1136.1	875.0	17.9	16.2	151.0	15.1	-6.7	13.6	302.4	330.4	13.4	90.0	1.8	331.	0.
3.4	21.5	1384.5	870.0	16.4	14.0	158.6	15.7	-5.7	14.6	303.4	335.7	11.9	85.3	2.7	333.	0.
4.2	24.0	1638.3	825.0	15.2	12.9	161.8	15.6	-4.9	14.8	304.7	335.9	11.4	85.6	3.5	335.	0.
5.2	26.5	1895.5	800.3	12.9	11.0	167.9	14.7	-3.1	14.3	304.9	333.5	10.4	88.2	4.3	334.	0.
6.0	29.1	2164.4	775.0	11.9	9.5	183.7	15.2	1.0	15.2	306.6	333.6	9.7	85.3	5.1	339.	0.
7.0	31.7	2441.5	750.0	11.8	5.7	199.9	14.7	5.0	13.8	309.6	331.4	7.7	66.5	5.8	340.	0.
7.8	34.3	2726.1	725.0	12.1	-0.6	202.3	18.2	6.9	16.8	312.6	327.7	5.1	41.3	6.5	349.	0.
8.6	37.0	3017.9	700.0	12.9	-7.0	198.2	23.1	6.4	22.2	316.8	328.7	3.2	24.3	7.0	353.	0.
9.8	39.7	3323.9	675.0	10.4	-11.0	193.7	23.6	8.9	26.6	317.3	324.5	2.3	19.5	8.0	357.	0.
10.7	42.6	3636.4	650.0	8.1	-13.1	193.1	27.1	7.2	26.1	318.1	324.9	2.2	21.0	10.2	359.	0.
11.7	45.2	3954.1	625.0	4.9	-14.0	194.0	29.1	7.1	28.3	318.1	324.7	2.1	23.9	11.7	1.	0.
12.6	47.9	4283.3	600.0	2.3	-16.9	193.3	28.2	7.5	27.2	318.8	324.2	1.7	22.0	13.3	3.	0.
13.6	50.9	4631.1	575.0	-0.6	-19.5	192.7	20.4	8.0	25.1	319.4	324.0	1.4	22.2	14.9	4.	0.
14.9	53.9	4984.3	550.0	-3.6	-22.8	198.3	26.9	8.5	25.6	319.8	323.5	1.1	20.6	16.8	4.	0.
16.3	57.0	5369.3	525.0	-6.0	-27.6	193.9	30.1	8.2	28.9	321.2	323.7	0.7	18.1	19.2	7.	0.
17.4	60.1	5729.4	500.0	-8.8	-29.8	196.1	30.8	8.6	29.6	322.3	323.5	0.6	16.4	21.4	8.	0.
18.4	63.4	6125.0	475.0	-11.6	-31.9	200.5	28.4	9.9	26.6	323.6	323.5	0.5	16.6	23.4	9.	0.
17.8	66.4	6536.9	450.0	-14.4	-25.3	200.8	31.6	11.3	29.6	325.1	327.9	0.8	29.5	25.4	10.	0.
20.9	70.0	6987.3	425.0	-17.7	-21.4	202.8	31.1	12.1	28.7	326.3	329.0	0.8	34.8	27.9	11.	0.
22.0	73.6	7417.7	400.0	-21.9	-24.5	208.9	29.9	13.5	26.7	326.6	329.4	0.8	49.9	29.5	12.	0.
23.2	77.1	7914.4	375.0	-25.1	-33.9	210.8	31.7	16.3	27.4	328.4	330.4	0.6	43.9	31.7	13.	0.
24.6	80.9	8479.9	350.0	-28.0	-40.0	217.9	31.2	19.2	26.6	331.1	332.3	0.3	30.3	34.1	15.	0.
26.4	84.8	9016.3	325.0	-31.9	-45.6	210.0	33.1	20.4	26.1	332.0	333.5	0.2	24.1	37.3	17.	0.
28.2	84.8	9477.6	300.0	-35.9	-48.0	221.1	29.9	19.7	22.5	334.8	335.4	0.2	27.1	40.4	19.	0.
27.9	91.0	10074.5	275.0	-40.6	99.9	218.5	33.1	20.6	25.9	336.5	99.9	99.9	99.9	43.4	20.	0.
31.7	97.5	10719.6	250.0	-45.3	99.9	217.7	32.1	19.6	23.4	338.8	99.9	99.9	99.9	46.8	22.	0.
33.7	102.2	11414.9	225.0	-50.1	99.9	223.8	33.4	22.7	24.4	341.7	99.9	99.9	99.9	50.4	23.	0.
35.7	107.4	12178.9	200.0	-55.1	99.9	234.9	36.1	29.5	28.7	345.5	99.9	99.9	99.9	54.2	25.	0.
37.7	112.8	13019.9	175.0	-60.2	99.9	244.9	41.0	37.7	16.1	350.6	99.9	99.9	99.9	58.0	28.	0.
39.8	118.8	13973.1	150.0	-62.8	99.9	233.8	48.7	32.8	24.8	361.9	99.9	99.9	99.9	62.4	31.	0.
42.9	125.3	15027.7	125.0	-62.4	91.9	218.2	36.2	22.4	28.5	382.0	99.9	99.9	99.9	69.8	32.	0.
47.1	132.7	16474.6	100.0	-62.0	99.9	99.9	99.9	99.9	99.9	407.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 36  
 SKELING, OKLAHOMA  
 18 MAY 1979  
 230 GMT

TIME MIN	ENTCY	WEIGHT GPM	PRES MM	TEMP DC C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	MS STD CM/SEC	RM MCT	RANGE AZ RM DC
0-0	13-3	989-0	931-5	22-5	17-0	180-0	18-0	0-0	18-0	321-7	327-1	13-2	71-0	0-0 0-
00-9	09-9	99-9	1000-0	09-9	09-0	09-9	09-9	09-9	09-9	09-9	090-9	09-9	090-9	090-9 090-
01-8	04-9	99-9	975-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	090-9	090-9 090-
02-9	09-9	99-9	950-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	090-9	090-9 090-
03-4	13-9	059-1	925-0	21-7	17-8	099-9	09-9	09-9	09-9	321-5	329-1	18-1	75-7	090-9 090-
04-4	16-3	090-1	900-0	20-1	18-0	099-9	09-9	09-9	09-9	302-2	301-3	18-6	81-1	090-9 090-
2-6	18-7	1131-5	875-0	18-1	17-1	099-9	09-9	09-9	09-9	322-6	320-6	18-2	93-9	090-9 090-
3-9	2-3	1180-1	850-0	18-4	15-3	099-9	09-9	09-9	09-9	322-6	322-6	18-2	94-4	0-5 336-
4-3	23-7	1638-1	825-0	18-1	13-3	167-7	28-6	-3-2	28-0	323-6	323-6	11-7	96-5	0-1 338-
6-1	26-2	1898-6	800-0	13-2	12-3	171-8	22-7	-3-2	22-6	323-3	323-3	11-4	96-6	7-7 343-
7-2	26-7	2103-9	775-0	11-9	11-0	180-4	23-2	0-2	22-6	326-6	326-6	10-8	96-2	9-3 343-
8-5	31-2	2438-6	750-0	9-8	7-7	191-9	23-7	6-9	23-2	327-3	327-3	8-9	87-0	10-9 346-
9-7	33-6	2719-8	725-0	12-3	3-1	196-1	23-6	6-5	22-5	313-0	322-2	8-6	53-3	12-5 350-
10-1	36-1	3013-3	700-0	10-3	2-1	203-5	21-7	8-4	19-9	313-7	322-6	8-4	57-0	14-1 354-
12-7	34-8	3315-3	675-0	10-1	-13-8	207-7	18-7	10-4	18-8	317-0	325-6	2-1	18-4	15-8 358-
14-8	41-6	3528-9	650-0	8-9	-44-5	212-7	19-7	9-2	17-4	319-3	325-6	0-1	1-0	17-6 2-
16-1	44-1	3751-1	625-0	6-1	-66-2	196-1	36-7	10-2	15-3	319-6	319-6	0-1	1-0	19-8 6-
17-6	46-7	4247-9	600-0	2-5	-66-5	194-7	30-6	10-2	28-6	319-0	319-6	0-1	1-3	23-5 6-
19-2	44-4	4625-0	575-0	-0-2	-21-2	204-9	27-6	11-6	29-9	319-7	324-0	1-3	23-0	25-9 7-
21-0	52-8	4778-4	550-0	-2-0	-31-1	205-9	29-8	13-0	28-8	320-7	322-5	1-5	7-2	27-9 9-
22-9	55-8	5-45-7	525-0	-5-2	-52-5	204-1	28-5	13-9	28-0	322-2	322-6	0-1	1-1	32-0 11-
24-3	58-3	5726-3	500-0	-8-6	-55-2	204-4	33-5	14-7	32-3	322-9	323-0	0-0	1-0	34-5 12-
25-9	62-0	6171-3	475-0	-12-7	-57-7	204-7	36-7	14-5	31-5	322-9	327-9	0-0	1-0	37-3 13-
27-5	65-3	6531-4	450-0	-18-7	-59-9	204-2	37-9	14-3	35-1	323-6	323-6	0-0	1-0	41-4 14-
29-3	64-4	6963-7	425-0	-19-7	-35-2	208-3	34-1	16-2	30-0	325-0	327-7	0-5	22-7	45-3 15-
31-4	72-0	7406-9	400-0	-22-8	-25-7	210-0	36-7	18-4	31-8	325-4	329-3	1-2	78-5	48-3 16-
32-9	75-7	7874-5	375-0	-25-8	-28-6	212-9	38-9	18-9	29-1	327-5	332-8	1-0	77-4	52-4 17-
34-7	83-2	8377-9	350-0	-28-2	-32-5	209-9	40-9	19-9	28-9	330-8	333-3	0-7	65-7	61-3 18-
36-3	81-2	8706-5	325-0	-31-0	-34-9	199-9	40-9	19-9	19-9	334-0	334-2	0-6	68-8	70-9 19-
38-3	94-3	90-9	300-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	093-9	09-9	099-9	79-9 19-
40-3	94-3	99-9	275-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
42-9	99-9	99-9	250-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
44-9	94-3	94-9	225-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
46-9	94-9	94-9	200-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
48-9	94-9	94-9	175-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
50-9	94-9	94-9	150-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
52-9	94-9	94-9	125-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
54-9	94-9	94-9	100-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
56-9	94-9	94-9	75-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
58-9	94-9	94-9	50-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-
60-9	94-9	94-9	25-0	09-9	09-9	09-9	09-9	09-9	09-9	09-9	099-9	09-9	099-9	79-9 19-

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

STATION NO. 36  
 ST. ILLING, UKLANOMA  
 10 MAY 1979  
 503 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 WTO GM/KG	RH PCT	RANGE KM	AZ DG
0-0	12-8	589.0	933.0	22.0	19.0	180.0	10.3	0.0	10.3	301.1	341.0	13.0	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	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
0-4	13-5	663.7	923.0	19.5	16.6	159.6	17.1	-5.9	16.0	299.3	333.7	13.0	83.0	0.5	346.
1-4	16-0	699.7	900.0	17.5	16.7	163.9	19.8	-5.5	19.0	298.5	334.1	13.0	92.4	1.5	343.
2-1	17-4	1141.1	875.0	16.5	15.6	167.5	22.5	-4.9	22.0	300.9	335.3	12.9	94.4	2.4	344.
2-8	20-8	1389.5	850.0	15.7	14.8	172.7	23.4	-3.0	23.2	302.6	336.6	12.6	94.4	3.4	346.
3-6	23-3	1642.5	825.0	14.6	13.7	178.8	24.5	-0.5	24.5	304.0	336.9	12.1	94.6	4.3	348.
4-5	25-9	1702.8	800.0	13.3	12.4	186.7	25.7	3.0	25.5	305.3	336.7	11.5	94.7	5.0	351.
5-4	28-4	2170.9	775.0	13.5	7.2	204.6	22.7	9.4	20.6	308.3	332.9	8.8	70.4	7.1	355.
6-9	31-1	2448.3	750.0	15.0	-4.8	216.3	19.3	11.5	15.6	312.8	323.6	3.6	25.2	8.5	3.
8-1	33-8	2734.0	725.0	12.6	-5.4	216.4	20.8	12.4	16.7	313.3	323.9	3.5	28.1	9.6	8.
9-2	36-4	3027.2	700.0	10.3	-4.9	225.4	21.4	15.2	15.0	313.9	325.4	3.8	34.0	11.0	12.
10-4	39-2	3326.5	675.0	7.8	-14.9	229.1	21.9	16.6	14.3	314.3	320.0	1.8	18.4	12.2	16.
11-5	42-0	3633.1	650.0	6.0	-26.5	220.3	25.2	16.3	19.2	315.7	318.0	0.7	7.5	13.6	19.
12-6	44-8	3957.4	625.0	3.3	-26.6	211.0	23.2	11.9	19.9	316.2	319.5	0.7	8.9	15.1	21.
13-7	47-7	4246.5	600.0	0.5	-25.9	206.7	24.3	10.9	21.7	316.7	319.3	0.8	11.7	16.6	22.
14-4	50-6	4626.5	575.0	-1.7	-26.1	205.7	23.9	10.4	21.5	318.0	320.7	0.8	13.5	18.3	22.
16-6	53-6	4978.4	550.0	-4.2	-43.0	203.1	28.6	11.2	26.3	319.1	319.7	0.2	3.1	21.1	22.
18-4	56-6	5343.1	525.0	-6.9	-29.8	204.4	24.7	10.2	22.5	320.2	322.3	0.6	14.2	24.1	22.
20-3	59-9	5721.8	500.0	-10.0	-36.2	210.3	27.1	13.6	23.4	320.9	322.1	0.3	9.6	27.0	23.
22-3	63-1	6115.0	475.0	-13.4	-43.4	211.7	34.2	17.9	29.1	321.4	322.1	0.2	6.2	30.2	24.
24-2	66-4	6524.6	450.0	-15.6	-37.7	216.9	33.4	20.8	26.7	323.7	324.0	0.3	11.9	34.7	25.
26-0	69-9	6934.1	425.0	-18.0	-36.3	219.1	33.0	20.0	25.6	323.9	327.4	0.4	10.2	38.0	26.
28-0	73-3	7405.4	400.0	-20.7	-66.2	214.2	27.3	15.3	22.5	326.1	328.7	0.2	8.4	41.2	27.
29-9	77-0	7878.6	375.0	-24.8	-32.9	208.7	29.0	13.9	25.4	328.8	331.0	0.6	46.4	44.5	27.
31-5	80-9	8377.8	350.0	-28.2	-33.3	209.4	33.4	16.4	29.1	330.7	333.0	0.6	61.2	47.5	28.
33-3	84-9	8906.1	325.0	-31.7	-35.6	216.5	29.8	17.7	23.9	333.1	335.1	0.6	67.7	51.0	28.
35-3	87-0	9404.7	300.0	-35.4	-39.2	224.6	38.5	27.1	27.4	335.5	337.0	0.4	67.5	54.5	29.
36-7	93-2	10364.7	275.0	-39.8	99.9	241.7	32.4	26.5	15.3	337.6	999.9	99.9	999.9	57.7	30.
39-2	99-0	10712.3	250.0	-45.3	99.9	275.6	29.3	29.2	-2.8	338.7	999.9	99.9	999.9	60.2	33.
41-6	102-8	11436.5	225.0	-51.3	99.9	267.0	27.5	27.5	1.5	339.8	999.9	99.9	999.9	62.0	36.
44-2	108-2	12160.5	200.0	-58.0	99.9	257.5	30.1	29.4	5.5	340.9	999.9	99.9	999.9	65.5	39.
46-9	114-0	12907.8	175.0	-64.9	99.9	249.4	27.4	25.6	9.6	342.8	999.9	99.9	999.9	69.3	41.
50-5	120-3	13915.5	150.0	-70.4	99.9	227.5	25.9	18.1	17.8	348.9	999.9	99.9	999.9	73.9	42.
56-9	127-3	15018.2	125.0	-84.1	99.9	229.0	99.9	99.9	99.9	378.9	999.9	99.9	999.9	85.5	41.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

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. 37  
 SHAWROCK, TEXAS  
 9 MAY 1979  
 1143 GMT

TIME MIN	CNTY	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 RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.8	721.0	918.5	19.5	16.3	180.0	6.8	-4.4	5.2	239.9	335.3	13.4	85.8	0.0	0.0
00.0	90.0	90.0	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.0	90.0	90.0	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* 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

ORIGINAL PAGE IS  
 OF POOR QUALITY



STATION NO. 3P  
 SHAMMOCK, TEXAS  
 9 MAY 1979  
 1405 GMT

TIME MIN	CHICT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	Y COMP M/SEC	POT T DG K	E PUT T DG K	ML RTO GM/KG	PCT	RH PCT	RANGE KM	AZ DG
0-0	14-7	721-0	919-3	21-0	17-4	140-0	6-7	-0-3	5-1	301-3	330-1	13-8	80-8	80-8	0-2	0-
00-2	49-9	99-9	1030-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9
00-3	99-9	99-9	975-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9
00-9	99-9	99-9	950-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9
00-9	99-9	99-9	925-0	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	99-9	999-9
0-5	16-3	995-0	900-0	18-6	18-6	147-0	7-3	-0-0	6-1	301-5	341-9	15-2	90-9	90-9	1-2	334-
1-3	18-0	1107-8	875-0	18-4	17-5	171-3	13-8	-2-1	13-7	302-9	342-0	14-6	90-7	90-7	1-7	335-
2-1	21-3	1397-5	850-0	18-1	17-2	191-2	16-2	3-2	15-9	305-1	345-9	14-7	90-5	90-5	2-4	343-
3-0	23-9	1453-4	825-0	18-4	15-2	203-5	16-1	6-4	14-8	305-9	342-2	13-3	92-6	92-6	3-1	353-
3-8	26-3	1915-6	800-0	15-0	13-6	208-2	16-0	7-5	16-1	307-1	341-2	12-4	91-7	91-7	3-9	360-
4-7	28-9	2184-1	775-0	12-5	11-1	213-5	13-9	7-7	11-6	307-2	337-1	10-8	91-1	91-1	4-5	5-
5-5	31-5	2463-2	750-0	10-0	-6-2	206-3	12-2	5-0	11-1	311-8	321-5	3-2	20-2	20-2	5-1	8-
6-4	34-1	2745-4	725-0	13-1	-9-9	190-9	13-3	2-5	13-0	313-9	321-5	2-5	19-0	19-0	5-7	8-
7-4	36-9	3039-7	700-0	11-9	-13-2	188-1	15-7	2-2	15-5	315-7	322-0	2-0	15-8	15-8	6-5	9-
8-0	39-6	3342-9	675-0	10-4	-16-5	188-5	21-1	3-1	20-9	317-3	322-3	1-6	13-4	13-4	7-8	9-
9-0	42-4	3656-1	650-0	9-0	-20-3	186-4	23-2	2-6	23-0	319-2	323-0	1-2	10-6	10-6	9-6	9-
10-1	45-3	3978-7	625-0	6-1	-23-8	180-4	22-6	0-2	22-6	319-4	323-4	1-1	11-4	11-4	11-3	8-
11-1	48-1	4310-8	600-0	2-8	-26-8	176-7	23-4	-1-4	23-4	319-4	323-4	1-2	15-5	15-5	12-9	7-
12-2	49-1	4653-1	575-0	-0-5	-21-7	175-3	23-1	-0-9	23-1	319-4	323-3	1-2	18-2	18-2	14-7	6-
13-6	51-2	5006-3	550-0	-3-7	-21-3	175-3	24-0	-2-8	23-9	319-7	323-8	1-3	20-0	20-0	16-4	6-
14-9	54-3	5371-7	525-0	-6-4	-26-0	171-7	23-6	0-7	23-6	320-7	323-7	0-9	19-3	19-3	18-3	6-
17-8	62-5	6751-4	500-0	-9-0	-28-6	163-7	23-4	1-9	23-3	322-1	326-9	0-9	22-2	22-2	20-6	4-
19-2	63-8	8155-8	475-0	-12-6	-22-4	165-8	23-4	2-4	23-3	322-3	326-4	1-2	30-9	30-9	22-6	4-
20-6	67-1	8556-0	450-0	-15-9	-24-6	160-0	26-0	6-5	25-6	323-3	327-2	1-1	40-8	40-8	24-7	4-
22-1	70-6	8983-9	425-0	-19-7	-27-1	160-0	26-0	4-1	22-4	323-7	327-2	1-0	51-7	51-7	26-9	3-
23-9	74-1	9430-6	400-0	-23-4	-30-2	160-0	24-8	5-7	24-1	324-5	327-2	0-6	53-4	53-4	29-1	8-
25-4	77-8	9700-0	375-0	-26-2	-36-4	160-0	23-2	7-1	22-1	324-5	327-2	0-4	37-4	37-4	31-4	6-
27-3	81-7	9396-1	350-0	-29-5	-39-9	160-0	25-4	6-4	26-5	329-0	330-2	0-3	35-0	35-0	34-2	7-
29-3	85-7	9921-1	325-0	-33-4	-46-6	160-0	24-0	7-4	22-8	330-6	331-3	0-2	24-9	24-9	37-1	8-
31-7	89-4	9499-0	300-0	-37-0	-54-6	160-0	25-3	8-6	23-7	333-2	333-5	0-1	14-1	14-1	40-6	9-
34-0	94-2	10073-7	275-0	-42-6	-60-0	202-1	24-0	9-0	22-2	333-5	999-9	99-9	99-9	99-9	47-3	10-
36-4	99-8	10739-2	250-0	-48-6	-69-9	197-1	24-4	7-2	23-3	333-8	999-9	99-9	99-9	99-9	51-1	11-
38-6	103-8	11392-7	225-0	-54-7	-79-9	199-9	99-9	99-9	99-9	337-8	999-9	99-9	99-9	99-9	99-9	999-9
41-3	104-2	12139-3	200-0	-60-0	-89-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
43-9	99-9	99-9	175-0	-66-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
45-9	99-9	99-9	150-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
47-9	99-9	99-9	125-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
49-9	99-9	99-9	100-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
51-9	99-9	99-9	75-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
53-9	99-9	99-9	50-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9
55-9	99-9	99-9	25-0	-69-0	-99-9	99-9	99-9	99-9	99-9	99-9	999-9	99-9	99-9	99-9	99-9	999-9

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

STATION NO. 37  
SHAMLUCK, TEXAS

9 MAY 1979  
1705 GMT

126 98. 0

TIME MIN	CNTCT	HEIGHT GPH	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	WX RTO GM/KG	RH PCT	RANGE KM	AZ DG
00	14.5	721.0	919.7	27.9	17.4	140.0	8.2	-4.0	4.7	308.4	346.3	13.8	53.8	0.8	0
00	09.9	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	999.9
00	09.9	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	999.9
00	09.9	99.9	930.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
00	09.9	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	999.9
05	16.1	911.4	930.0	23.1	17.1	155.5	7.2	-3.0	6.6	309.3	342.8	13.8	69.1	1.1	341
15	16.6	1157.2	875.0	21.2	17.0	160.6	8.2	-2.7	7.8	305.8	344.2	14.1	77.3	1.6	341
23	21.1	1409.3	850.0	19.7	17.0	173.3	8.4	-1.0	8.3	306.0	346.4	14.5	84.4	2.0	341
31	23.7	1668.2	825.0	16.8	14.6	144.0	9.9	0.7	9.8	306.3	341.4	12.0	86.9	2.4	344
34	26.2	1927.6	800.0	13.4	13.3	999.9	99.9	99.9	99.9	307.6	342.2	12.6	90.6	999.9	999.9
45	29.9	2176.2	775.0	12.4	9.7	999.9	99.9	99.9	99.9	307.1	332.8	9.2	78.2	999.9	999.9
53	31.6	2471.6	750.0	11.9	4.6	999.9	99.9	99.9	99.9	309.5	329.9	7.1	60.9	999.9	999.9
61	34.1	2734.9	725.0	10.9	-3.9	999.9	99.9	99.9	99.9	311.4	323.2	4.0	35.2	999.9	999.9
71	36.9	3047.4	700.0	10.7	-12.0	999.9	99.9	99.9	99.9	314.3	321.2	2.2	19.4	5.4	3
81	39.6	3347.8	675.0	10.1	-14.2	185.8	21.1	2.1	20.9	317.0	320.8	1.2	13.2	6.7	3
92	42.3	3662.1	650.0	9.0	-22.2	183.4	22.9	1.4	22.9	318.1	321.3	1.0	9.6	8.1	3
104	45.2	3993.6	625.0	5.2	-24.1	185.5	26.0	2.5	23.9	318.4	321.3	0.9	9.8	9.8	3
114	49.1	4314.6	600.0	2.3	-29.7	189.7	25.5	4.3	23.1	318.8	320.8	0.6	7.9	11.5	4
125	51.1	4657.1	575.0	0.4	-31.5	148.0	23.3	3.3	23.1	320.5	322.1	0.5	6.3	13.1	5
136	54.1	5011.4	550.0	-2.5	-33.2	180.0	23.6	0.0	23.6	321.2	322.6	0.4	7.2	14.6	5
147	57.3	5378.3	525.0	-5.6	-34.8	174.6	24.1	-2.3	24.0	321.7	323.0	0.4	7.8	16.1	6
158	60.5	5758.1	500.0	-9.3	-35.3	175.8	24.3	-1.9	24.3	321.7	323.0	0.4	9.9	17.9	6
171	63.9	6152.6	475.0	-11.9	-32.7	177.5	25.7	-1.1	25.7	323.2	325.0	3.5	16.0	19.8	2
185	67.1	6568.1	450.0	-15.2	-26.7	180.7	26.2	0.3	26.2	324.1	327.4	1.0	36.7	21.9	2
198	70.4	6993.1	425.0	-18.9	-25.9	185.4	26.4	2.5	26.3	324.7	328.4	1.1	53.8	24.0	2
214	74.2	7482.1	400.0	-21.3	-35.7	191.8	26.5	5.4	26.9	327.3	328.9	0.4	25.8	26.5	3
231	77.9	7916.7	375.0	-24.7	-38.8	192.9	28.7	6.4	28.0	329.0	330.2	0.3	25.3	29.3	4
250	81.7	8413.5	350.0	-27.3	-45.2	194.3	29.6	7.3	28.7	331.1	331.8	0.2	17.3	32.4	4
274	85.7	8932.5	325.0	-32.6	-50.8	197.2	27.8	8.2	28.6	331.7	332.2	0.1	16.3	35.4	6
294	89.9	9498.6	300.0	-37.3	-54.9	200.6	26.7	9.4	28.9	332.8	333.0	0.1	13.9	38.3	7
302	94.3	10342.9	275.0	-42.7	-59.9	200.0	27.9	9.6	28.2	333.3	334.9	99.9	997.9	41.0	8
321	99.0	11729.1	250.0	-47.9	-64.9	198.4	29.8	9.4	28.2	334.9	335.7	99.9	997.9	44.3	9
343	104.9	11414.6	225.0	-54.0	-69.9	192.6	31.4	10.6	28.5	335.7	336.9	99.9	997.9	48.3	9
366	109.3	12163.6	200.0	-59.7	-69.9	207.2	31.0	14.2	27.6	338.3	336.9	99.9	999.9	52.4	10
387	115.0	12748.7	175.0	-65.0	-69.9	212.3	33.2	17.7	28.0	342.7	336.9	99.9	999.9	56.5	12
417	121.3	13338.0	150.0	-68.9	-69.9	205.2	31.6	13.4	28.6	348.7	336.9	99.9	999.9	61.8	14
450	128.3	15082.7	125.0	-58.9	-69.9	196.0	29.4	8.1	28.2	349.3	336.9	99.9	999.9	68.0	14
480	136.3	16471.9	100.0	-61.4	-69.9	999.9	99.9	99.9	99.9	439.2	336.9	99.9	999.9	999.9	999.9
509	99.9	99.9	75.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
539	99.9	99.9	50.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
569	99.9	99.9	25.0	-69.9	-69.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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



STATION NO. 37  
 S HAMMOCK, TEXAS  
 18 MAY 1979  
 505 CRT

TIME MIN	CNTCF	WEIGHT G.M.	PRES MB	TEMP DC C	DEP HT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DC K	E POT T DC K	ME RTD GM/KG	RM PCT	RANGE KM	AZ DC
0.0	15.0	721.0	919.5	18.8	14.9	270.0	8.1	4.1	0.0	299.1	330.2	11.7	78.4	0.0	0.
0.0	0.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.0	0.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.0	0.0	99.0	950.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.0	0.0	99.0	925.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.7	16.8	905.6	900.0	17.9	14.7	278.5	7.9	7.8	-1.2	299.9	331.5	11.8	81.8	0.3	15.
1.3	19.0	1186.2	875.0	15.9	14.6	263.2	8.9	8.8	1.0	300.3	332.6	12.1	91.9	0.7	44.
1.9	21.5	1393.5	850.0	15.1	14.1	245.3	7.8	7.1	3.2	302.0	334.4	12.0	93.6	0.9	54.
2.7	23.9	1646.3	825.0	13.4	12.5	226.7	9.1	6.6	6.2	302.8	332.9	11.1	94.0	1.3	54.
3.4	26.4	1905.9	800.0	12.7	12.0	215.2	11.6	6.7	9.4	304.6	335.5	11.1	95.3	2.1	48.
7.1	29.2	2173.3	775.0	12.1	11.0	204.8	12.6	6.3	10.9	306.8	336.5	10.7	92.8	4.3	39.
7.9	31.5	2448.6	750.0	10.9	9.3	205.0	12.3	5.2	11.2	308.4	336.0	9.9	89.8	4.3	38.
8.4	34.1	2731.2	725.0	9.2	7.6	187.7	12.3	1.7	12.2	309.5	335.2	9.1	89.9	5.3	37.
9.0	36.7	3022.7	700.0	8.6	7.0	99.9	99.9	99.9	99.9	312.0	337.7	9.0	89.7	999.0	999.0
9.6	39.4	3323.7	675.0	7.4	5.2	99.9	99.9	99.9	99.9	314.0	337.9	8.3	85.8	999.0	999.0
10.4	42.1	3635.6	650.0	7.4	5.6	99.9	99.9	99.9	99.9	317.3	343.1	8.0	80.3	999.0	999.0
11.3	44.9	3954.7	625.0	6.0	4.3	99.9	99.9	99.9	99.9	319.4	344.2	8.4	88.7	999.0	999.0
12.1	47.9	4280.0	600.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	8.9	99.0	999.0	999.0
12.9	50.9	4610.0	575.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
13.7	53.9	4940.0	550.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
14.5	56.9	5270.0	525.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
15.3	59.9	5600.0	500.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
16.1	62.9	5930.0	475.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
16.9	65.9	6260.0	450.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
17.7	68.9	6590.0	425.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
18.5	71.9	6920.0	400.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
19.3	74.9	7250.0	375.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
20.1	77.9	7580.0	350.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
20.9	80.9	7910.0	325.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
21.7	83.9	8240.0	300.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
22.5	86.9	8570.0	275.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
23.3	89.9	8900.0	250.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
24.1	92.9	9230.0	225.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
24.9	95.9	9560.0	200.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
25.7	98.9	9890.0	175.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
26.5	101.9	10220.0	150.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
27.3	104.9	10550.0	125.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
28.1	107.9	10880.0	100.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
28.9	110.9	11210.0	75.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
29.7	113.9	11540.0	50.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
30.5	116.9	11870.0	25.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0
31.3	119.9	12200.0	0.0	5.9	3.9	99.9	99.9	99.9	99.9	320.0	344.2	9.9	99.0	999.0	999.0

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

STATION NO. 37  
SHAMROCK, TEXAS

10 MAY 1970  
005 GMT

122 101. 0

TIME MIN	CMTCT	HEIGHT GN	PRES MB	TEMP CG C	DEW PB CG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T UG K	E POT T DG K	WK RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	16.9	721.0	922.7	10.0	7.3	320.0	4.1	2.6	-3.1	299.8	308.0	7.0	83.0	0.0	0.
0.9	97.7	91.9	1003.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
9.9	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	999.9
9.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
9.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
3.6	16.3	928.2	903.0	9.0	7.9	348.0	14.3	3.0	-19.0	290.8	310.5	7.5	92.9	0.3	317.
1.4	17.8	1163.4	875.0	13.2	11.7	317.9	12.0	8.4	-9.3	297.5	324.0	9.9	90.5	0.4	159.
7.3	21.4	1601.3	875.0	14.2	10.9	273.6	12.0	9.0	-0.2	303.3	327.8	10.2	89.0	1.0	140.
3.3	20.4	1471.3	875.0	12.3	13.6	254.3	11.1	10.7	-0.1	303.6	331.0	10.1	89.1	2.0	116.
4.1	20.0	2187.1	875.0	11.8	8.2	274.4	12.2	8.6	-8.8	306.5	331.3	8.9	78.7	2.3	106.
5.9	31.6	2462.0	875.0	11.1	6.4	203.9	14.2	6.2	12.7	338.7	331.6	6.1	72.6	2.6	89.
6.8	36.2	2745.0	875.0	9.3	6.6	237.1	15.8	7.2	14.1	339.7	333.7	6.5	62.7	3.0	78.
7.9	36.9	3316.5	875.0	6.0	5.0	193.4	24.3	5.6	23.6	310.1	333.7	8.3	63.1	3.9	59.
8.9	37.7	3318.1	875.0	5.0	3.1	190.9	27.2	5.2	20.7	311.3	331.7	7.1	67.5	5.0	47.
9.9	47.4	3422.6	875.0	5.0	-4.1	183.9	30.9	2.1	30.8	316.6	327.8	4.4	54.3	6.4	37.
10.9	45.3	3762.5	875.0	3.9	-8.6	178.0	30.4	-1.0	30.3	316.9	326.8	3.2	39.5	8.2	29.
12.9	44.2	4233.7	875.0	2.8	-10.3	174.7	27.8	-0.1	27.8	319.3	324.4	2.9	37.5	9.9	23.
11.1	51.3	4636.8	875.0	0.5	-11.1	182.8	26.5	1.3	28.4	320.6	329.6	2.8	41.2	11.5	20.
11.1	54.3	4921.4	875.0	-2.7	-12.9	176.5	24.0	-1.5	24.0	320.9	329.1	2.6	45.1	13.0	17.
13.4	57.4	5354.8	875.0	-5.4	-16.3	179.5	23.6	-0.2	23.6	321.9	328.6	2.1	43.1	14.8	15.
16.6	60.5	5739.9	875.0	-8.3	-20.7	186.5	24.0	2.7	23.8	322.9	327.6	1.5	36.1	16.4	13.
17.6	61.8	6115.5	875.0	-11.6	-31.3	192.5	24.1	5.2	23.5	323.6	325.6	0.6	17.0	18.1	13.
19.2	67.1	6567.6	875.0	-14.1	-38.6	190.6	25.7	4.7	25.3	325.6	326.7	0.3	10.3	20.1	13.
20.8	70.6	6979.7	875.0	-15.9	-48.6	193.9	27.7	6.7	26.9	328.5	329.0	0.1	6.4	22.7	13.
22.7	74.1	7432.4	875.0	-20.0	-53.7	193.3	30.6	8.1	28.5	329.9	329.3	0.1	3.2	26.0	13.
23.5	81.5	8408.3	875.0	-23.6	-53.0	193.6	29.5	7.0	29.0	330.4	330.6	0.1	4.7	29.4	13.
25.9	85.5	8936.5	875.0	-27.3	-57.3	193.0	28.5	6.7	28.4	331.9	332.1	0.0	3.9	32.9	13.
27.7	89.7	9496.2	875.0	-32.4	-60.5	190.5	27.9	5.1	27.4	332.1	332.2	0.0	4.4	36.7	13.
31.6	87.7	9996.2	875.0	-38.7	-62.5	187.5	28.5	3.9	28.3	333.7	333.6	0.0	4.8	41.3	13.
34.5	94.0	10392.1	875.0	-41.5	-69.9	187.5	28.4	3.7	28.1	335.1	335.9	0.0	999.9	48.3	12.
37.1	98.6	10731.3	875.0	-47.2	99.9	184.0	30.1	2.1	30.0	335.9	335.9	99.9	999.9	50.6	12.
38.9	103.4	11418.9	875.0	-51.1	99.9	166.3	32.6	3.6	32.4	337.1	337.1	99.9	999.9	56.2	11.
42.3	108.6	12167.2	875.0	-59.3	99.9	190.7	34.0	6.7	35.3	338.9	338.9	99.9	999.9	60.8	11.
44.7	114.3	12990.4	875.0	-66.0	99.9	208.2	34.3	14.0	33.1	341.1	341.1	99.9	999.9	66.2	11.
48.0	120.5	13730.6	875.0	-81.7	99.9	204.3	30.5	16.1	34.7	343.9	343.9	99.9	999.9	73.2	13.
51.9	127.7	15064.2	875.0	-83.4	99.9	184.1	28.3	2.0	28.2	348.2	348.2	99.9	999.9	86.0	13.
99.0	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.0	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
99.0	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	999.9
99.0	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

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

STATION NO. 38  
STROUD, OHLANDURA  
9 MAY 1979  
1105 GMT

VIEW	MIN	ENTY	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT Y	MK WTS	RM	RANGE	AZ
		DG C	GPM	MB	DG C	DG	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	K4	DG
0.0	9.0		272.0	972.4	20.8	17.4	180.0	5.1	-1.7	4.8	296.3	330.4	13.0	81.0	0.0	8.
99.9	99.9	99.9	97.9	1000.0	99.9	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
0.5	11.1	17.9	975.0	975.0	20.1	17.9	184.4	13.9	1.1	13.9	297.6	333.7	13.8	87.5	0.4	0.
1.3	16.0	18.2	975.0	975.0	18.2	18.4	184.4	14.8	1.7	16.7	297.9	332.7	13.2	91.8	1.1	3.
1.9	16.0	16.4	934.2	900.0	16.4	18.4	184.4	22.5	2.4	22.4	298.4	331.2	12.4	94.2	1.9	4.
2.6	18.5	11.6	1179.3	875.0	16.0	11.6	187.5	25.3	3.3	25.0	300.4	326.7	8.8	74.3	3.0	5.
3.4	21.0	14.8	1425.4	850.0	14.8	9.5	188.9	24.4	3.8	24.1	301.6	324.2	8.2	65.9	4.2	6.
4.3	21.6	16.79	1679.1	825.0	17.9	-15.4	190.0	23.0	4.0	22.6	307.6	314.1	2.2	15.1	5.4	7.
5.2	24.1	19.43	1943.5	800.0	21.6	-22.9	196.2	24.0	6.7	23.0	314.4	316.9	0.8	3.7	6.7	8.
6.2	24.9	22.17	2217.0	775.0	20.0	-23.6	199.9	24.2	8.3	22.0	315.3	317.8	0.7	3.9	6.2	10.
7.4	31.4	26.97	2697.7	750.0	17.7	-15.3	202.6	21.4	8.2	19.7	315.8	320.8	1.6	9.2	9.6	12.
8.4	38.1	27.85	2785.6	725.0	15.6	-15.7	202.6	20.2	7.8	18.6	316.8	321.5	1.5	10.1	11.0	13.
9.5	39.8	30.81	3081.2	700.0	12.9	-17.5	201.2	20.4	7.4	19.0	316.8	321.3	1.4	10.4	12.2	14.
10.6	37.6	33.84	3384.9	675.0	10.5	-15.0	198.9	20.0	6.5	18.9	317.5	323.1	1.8	15.1	13.3	15.
11.7	42.4	36.77	3677.7	650.0	7.5	-15.1	198.1	19.6	6.1	18.8	317.4	323.3	1.8	18.3	14.9	15.
12.4	45.3	40.85	4085.5	625.0	5.1	-15.4	201.8	18.7	7.0	17.4	318.3	324.6	2.0	22.9	16.2	15.
14.1	49.2	43.47	4347.7	600.0	1.8	-16.1	207.1	17.4	7.9	15.5	318.2	323.2	1.5	21.2	17.6	16.
15.5	51.2	46.93	4693.9	575.0	-1.1	-21.2	208.0	16.4	7.7	14.5	318.7	322.7	1.2	19.9	18.9	17.
16.9	54.3	50.43	5043.1	550.0	-4.7	-23.7	208.0	16.8	7.9	14.8	318.6	321.9	1.0	20.9	20.2	18.
18.2	57.4	54.07	5407.0	525.0	-7.7	-29.3	205.1	15.1	6.4	13.7	319.2	321.5	0.7	16.0	21.5	18.
19.6	60.6	57.85	5785.2	500.0	-9.7	-37.2	192.6	12.2	2.7	11.9	321.2	322.3	0.3	8.4	22.7	18.
21.0	63.7	61.78	6178.7	475.0	-13.1	-42.4	183.5	6.8	0.4	6.8	321.8	322.4	0.2	6.4	23.4	18.
22.4	67.3	65.88	6588.5	450.0	-16.3	-42.7	207.8	7.7	3.6	6.8	322.7	323.5	0.2	8.1	24.1	18.
23.8	71.7	70.15	7015.5	425.0	-19.7	-43.4	216.2	9.0	5.1	7.5	323.7	324.4	0.2	10.1	25.0	18.
25.2	74.3	74.62	7462.8	400.0	-23.3	-44.4	217.1	9.1	5.5	7.3	324.7	325.3	0.2	12.4	26.0	19.
26.4	78.0	79.31	7931.5	375.0	-26.9	-46.4	223.9	9.8	6.8	7.1	325.9	326.5	0.1	13.1	27.0	20.
30.3	81.4	84.26	8426.8	350.0	-29.5	-49.5	229.7	11.2	8.5	7.2	328.9	329.4	0.1	12.4	28.1	21.
32.3	85.8	87.51	8751.6	325.0	-33.5	-51.8	239.5	12.8	11.1	6.5	330.5	330.9	0.1	13.8	29.4	23.
34.4	90.0	90.77	9077.7	300.0	-37.9	-54.4	244.9	13.5	12.3	5.8	332.0	332.3	0.1	15.2	30.6	25.
36.4	94.5	94.07	9407.5	275.0	-43.2	-59.7	246.7	14.0	12.9	5.5	332.7	332.7	0.1	15.2	31.6	25.
38.3	99.2	103.83	10383.3	250.0	-48.9	-68.9	237.7	13.2	11.2	7.1	333.3	333.3	0.1	15.2	32.1	27.
42.0	104.2	114.90	11490.0	225.0	-53.7	-79.9	222.1	13.7	9.2	10.2	336.3	336.3	0.1	15.2	33.8	29.
44.6	107.5	121.74	12174.4	200.0	-57.5	-92.9	224.7	15.9	11.2	11.3	338.5	338.5	0.1	15.2	35.0	31.
47.5	115.3	129.99	12999.9	175.0	-58.7	-97.9	236.6	18.4	15.3	10.1	339.1	339.1	0.1	15.2	36.3	33.
51.2	121.8	134.65	13465.5	150.0	-60.4	-99.9	233.7	20.9	18.9	12.4	340.1	340.1	0.1	15.2	37.6	34.
54.4	128.7	150.95	15095.5	125.0	-62.5	-99.9	99.9	99.9	99.9	99.9	341.9	341.9	0.1	15.2	38.9	37.
60.3	136.7	184.80	18480.3	100.0	-63.9	-99.9	99.9	99.9	99.9	99.9	342.3	342.3	0.1	15.2	40.2	39.
62.9	97.9	99.9	99.9	75.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
97.9	97.9	99.9	99.9	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.
99.9	99.9	99.9	99.9	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.

° 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. 38  
STROUD, OKLAHOMA

9 MAY 1979  
1405 GMT

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	PUT Y DG K	E POT Y DG K	MX RTO GM/KG	RM PCT	RANGE KN	AZ DG
0.0	9.0	272.0	974.4	21.3	16.7	180.0	7.7	0.0	7.7	296.7	320.2	12.4	75.0	9.0	0.
0.0	9.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.0	999.9	999.0
0.0	9.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.0	999.9	999.0
0.6	11.3	462.0	950.0	19.9	14.9	999.9	99.0	99.0	99.0	297.4	327.4	11.3	73.0	999.9	999.0
1.3	13.6	721.0	925.0	18.1	14.7	999.9	99.0	99.0	99.0	297.8	328.1	11.5	80.5	999.9	999.0
1.8	15.0	956.2	900.0	16.0	14.6	999.9	99.0	99.0	99.0	298.1	329.1	11.7	91.1	1.5	22.
2.4	16.4	1135.6	875.0	13.9	12.2	199.9	28.2	7.6	20.9	298.2	325.7	10.3	89.9	2.3	22.
3.1	17.8	1443.0	850.0	12.1	11.1	195.0	22.5	5.8	21.7	298.6	325.2	9.6	93.6	3.3	21.
3.9	19.3	1750.2	825.0	12.0	10.2	197.3	23.0	2.9	22.8	301.3	315.5	5.1	51.0	4.3	19.
4.7	20.9	1971.4	800.0	10.2	-11.5	169.9	22.6	3.9	22.3	311.6	313.0	0.4	2.6	5.4	16.
5.5	22.5	2223.1	775.0	10.7	-11.3	148.1	23.2	7.2	22.0	313.9	314.6	0.2	1.0	6.5	16.
6.3	24.1	2522.9	750.0	17.0	-10.6	172.0	23.3	7.6	22.0	315.1	316.5	0.4	2.6	7.6	16.
7.3	25.8	2799.8	725.0	14.5	-10.4	198.9	21.1	6.8	19.9	315.4	317.9	0.7	5.2	8.8	17.
8.2	27.4	3084.2	700.0	11.9	-10.7	167.2	21.3	6.3	20.3	315.6	318.3	0.8	6.5	10.1	17.
9.2	29.1	3368.4	675.0	9.8	-10.9	193.4	19.6	4.9	19.0	316.5	319.2	0.8	5.7	11.3	17.
10.2	30.8	3652.7	650.0	6.9	-10.5	173.8	19.0	4.5	18.4	316.8	319.6	0.6	7.0	12.4	16.
11.3	32.5	3937.0	625.0	4.5	-10.7	196.7	18.5	5.3	17.7	317.6	320.2	0.7	7.3	13.7	16.
12.4	34.2	4221.3	600.0	1.4	-10.4	192.7	17.2	5.8	16.2	317.8	320.2	0.7	10.4	14.8	16.
13.6	35.9	4505.6	575.0	-1.4	-10.1	200.0	16.8	5.7	15.7	318.3	320.2	0.7	11.0	16.0	17.
14.9	37.6	4790.0	550.0	-4.6	-10.4	197.3	16.7	5.5	15.6	318.6	321.5	0.9	14.0	17.2	17.
16.2	39.3	5074.4	525.0	-7.3	-10.3	195.5	17.5	4.7	16.9	319.6	321.5	0.6	13.2	18.6	17.
17.6	41.0	5358.8	500.0	-10.3	-10.7	182.7	15.1	0.7	15.1	320.5	321.7	0.3	9.3	20.0	17.
19.1	42.7	5643.2	475.0	-12.6	-10.3	179.7	11.9	-0.1	11.9	322.4	323.6	0.2	5.3	21.1	16.
20.3	44.4	5927.6	450.0	-16.2	-10.3	145.1	10.4	0.9	10.4	322.9	323.6	0.2	7.5	22.0	15.
21.9	46.1	6212.0	425.0	-19.8	-10.6	191.0	9.2	1.8	9.1	323.6	324.1	0.1	7.0	22.8	15.
23.6	47.8	6496.4	400.0	-22.9	-10.9	196.8	10.4	3.0	9.9	325.2	325.6	0.1	6.1	23.8	15.
25.2	49.5	6780.8	375.0	-26.3	-11.0	210.5	11.9	6.0	10.2	326.7	327.1	0.1	7.7	24.8	15.
27.2	51.2	7065.2	350.0	-29.7	-11.2	229.6	15.5	11.0	10.1	328.8	329.1	0.1	8.0	26.2	17.
29.3	52.9	7349.6	325.0	-32.9	-11.4	236.3	17.7	14.7	9.8	331.3	331.6	0.1	8.4	28.0	19.
31.4	54.6	7634.0	300.0	-37.9	-11.6	234.9	18.1	15.6	9.1	332.0	332.2	0.0	6.9	29.7	22.
33.4	56.3	7918.4	275.0	-42.8	-11.9	240.4	17.5	15.2	8.6	333.3	333.3	0.0	999.9	31.4	25.
35.6	58.0	8202.8	250.0	-47.8	-12.0	229.6	13.4	12.5	10.6	335.0	333.0	0.0	999.9	33.4	27.
38.2	60.0	8487.2	225.0	-54.0	-12.1	218.2	13.4	8.3	10.6	335.8	333.0	0.0	999.9	35.5	28.
40.8	61.7	8771.6	200.0	-60.3	-12.2	226.0	15.3	11.2	10.6	337.3	333.0	0.0	999.9	37.5	28.
43.4	63.4	9056.0	175.0	-66.6	-12.3	224.4	22.5	18.0	10.4	338.6	333.0	0.0	999.9	40.0	31.
46.5	65.1	9340.4	150.0	-73.0	-12.4	224.4	22.5	15.7	10.3	340.2	333.0	0.0	999.9	43.7	32.
50.2	66.8	9624.8	125.0	-80.6	-12.5	229.8	22.2	17.8	10.3	343.4	333.0	0.0	999.9	48.6	36.
54.5	68.5	9909.2	100.0	-88.4	-12.6	999.9	99.9	99.9	99.9	403.4	403.4	0.0	999.9	999.9	999.0
59.0	70.2	99.0	75.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.0	999.9	999.0
64.0	71.9	99.0	50.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.0	999.9	999.0
69.0	73.6	99.0	25.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.9	99.0	999.0	999.9	999.0

\* 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. 38  
 STROUD, OKLAHOMA  
 9 MAY 1979  
 1705 GMT

TIME MIN	CHCT	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 Y DG K	E POT Y DG K	HI WTD GM/AC	RM PCT	RANGE KM	AZ DG
0.0	0.0	272.0	978.7	26.5	16.7	170.0	7.7	-1.3	7.6	301.9	335.2	12.4	55.9	0.0	0.
00.9	00.9	1000.0	1000.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	00.0	000.
00.9	00.9	975.0	975.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	000.0	00.0	000.0	00.0	000.
0.4	10.3	697.6	950.0	23.3	16.2	185.4	0.8	0.8	0.7	300.0	333.9	12.4	64.7	0.5	300.
0.7	12.6	729.8	925.0	20.8	15.2	189.1	9.8	1.4	9.7	300.0	332.4	11.9	70.6	0.7	1.
1.5	15.0	966.2	900.0	18.0	14.0	189.2	19.5	1.7	10.3	300.0	331.2	11.7	80.3	1.1	4.
2.4	17.5	1207.5	875.0	15.9	14.3	191.4	12.4	2.5	12.2	300.0	332.0	11.8	90.8	1.7	9.
3.3	19.9	1453.9	850.0	14.4	13.2	204.8	18.0	6.7	14.5	301.2	331.7	11.3	92.7	2.4	9.
4.1	22.4	1707.1	825.0	14.4	8.0	205.1	12.9	5.5	11.7	303.0	328.0	8.8	70.8	3.3	15.
5.4	24.9	1967.5	800.0	16.6	9.9	190.9	23.5	4.4	23.1	308.9	309.9	99.9	99.9	4.0	16.
6.4	27.4	2236.6	775.0	19.5	-26.9	187.1	29.1	3.0	24.0	314.8	316.6	0.5	3.0	6.2	12.
7.8	30.0	2518.7	750.0	17.7	-18.6	188.6	17.2	2.6	17.0	315.9	319.7	1.2	6.9	7.6	12.
8.9	32.7	2804.9	725.0	15.8	-12.2	190.7	17.0	3.2	16.7	316.8	323.5	2.1	13.6	8.7	11.
9.9	35.3	3103.2	700.0	13.3	-10.3	191.6	17.4	3.5	17.2	317.3	325.1	2.5	19.1	9.8	11.
10.9	38.0	3407.2	675.0	10.3	-11.7	190.7	18.1	5.2	17.6	317.2	324.5	2.3	19.0	9.8	11.
11.8	40.8	3723.0	650.0	8.3	-12.9	207.4	19.8	7.3	19.0	318.3	325.2	2.2	20.7	11.0	12.
12.4	43.6	4041.9	625.0	5.2	-14.6	208.6	19.0	6.2	13.6	318.4	324.7	2.0	22.3	12.6	13.
13.9	46.4	4373.1	600.0	2.1	-15.4	199.4	19.9	5.3	15.0	318.5	324.6	1.9	25.0	13.6	14.
15.0	49.4	4714.1	575.0	-1.5	-18.4	193.4	15.9	4.2	15.3	318.3	323.3	1.6	28.2	14.7	14.
16.3	52.4	5066.5	550.0	-4.2	-24.6	197.0	15.9	4.6	15.2	319.1	322.3	0.9	18.5	15.9	14.
17.7	55.4	5431.3	525.0	-7.2	-29.6	208.0	21.5	9.4	19.3	319.8	321.9	0.6	14.7	17.4	15.
18.9	58.5	5810.0	500.0	-9.5	-33.3	193.5	18.5	3.9	16.1	321.4	323.0	0.5	12.3	18.9	16.
20.3	61.8	6204.2	475.0	-12.0	-39.2	186.6	14.5	1.7	14.4	323.2	324.1	0.3	8.2	20.3	15.
21.6	65.1	6514.5	450.0	-15.1	-38.1	194.1	18.3	4.0	15.8	323.0	324.1	0.3	12.9	21.3	15.
23.2	68.5	7342.4	425.0	-19.6	-40.7	195.0	15.8	4.1	15.2	323.8	324.8	0.2	16.1	24.2	15.
24.8	74.0	7899.4	400.0	-23.2	-41.8	196.5	15.0	4.2	14.4	324.9	325.8	0.2	12.4	25.4	16.
25.4	75.6	7959.9	375.0	-25.7	-46.4	245.3	13.1	11.9	5.5	327.6	328.1	0.2	11.4	25.4	16.
29.4	79.6	8572.0	350.0	-29.4	-49.2	230.0	17.2	14.1	9.9	330.4	330.9	0.1	12.7	28.1	21.
30.3	81.3	8769.1	325.0	-31.9	-51.2	223.9	18.2	12.6	13.1	332.8	332.5	0.1	13.8	30.3	23.
32.4	87.5	9562.9	300.0	-37.7	-54.6	225.5	19.2	13.7	13.4	332.2	332.5	0.1	15.8	32.6	24.
34.7	91.8	10136.6	275.0	-42.9	-59.9	223.9	18.3	12.7	13.2	333.1	332.5	99.9	99.9	32.6	26.
37.1	94.2	10772.7	250.0	-47.6	-64.9	220.7	19.5	14.7	17.9	335.4	333.7	99.9	99.9	35.1	26.
39.8	101.0	11654.0	225.0	-53.4	-69.9	231.2	21.3	16.6	13.3	336.7	333.9	99.9	99.9	38.1	26.
42.3	108.2	12208.7	200.0	-58.7	-65.9	231.3	21.9	17.1	13.7	339.9	333.9	99.9	99.9	41.1	30.
45.1	111.8	13336.9	175.0	-61.2	-69.9	238.9	24.4	20.6	13.3	348.9	338.9	99.9	99.9	44.6	32.
48.4	117.8	14700.1	150.0	-60.1	-69.9	218.5	19.9	12.7	15.4	366.5	336.5	99.9	99.9	48.0	33.
52.5	124.5	15136.7	125.0	-60.1	-69.9	223.8	23.6	18.9	18.5	368.2	336.2	99.9	99.9	51.1	35.
54.7	131.3	16316.7	104.0	-61.8	-69.9	99.9	99.9	99.9	99.9	408.3	336.3	99.9	99.9	54.9	39.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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



STATION NO. 36  
STROUD, OKLAHOMA  
9 MAY 1979  
2010 GMT

128 101. 0

TIME	CHICT	WEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POF T	E POT V	WX WTD	RM	RM	AGE	AZ
MIN		GPM	MB	DC C	DC C	DC	M/SEC	M/SEC	M/SEC	DC K	DC K	GM/KG	PCT	PCT	3M	DEG
0.0	0.0	272.0	972.8	27.8	16.2	180.0	9.3	0.0	9.3	303.3	340.2	13.7	56.0	56.0	0.0	0.
00.9	99.9	1000.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
04.7	99.9	50.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
1.0	10.2	481.7	950.0	25.4	16.0	167.2	10.9	-2.0	10.7	302.9	337.6	12.9	59.4	59.4	0.6	348.
1.4	12.6	716.0	925.0	23.3	16.0	167.2	11.8	-2.4	11.6	303.1	337.0	12.9	63.9	63.9	0.6	348.
2.6	15.0	954.6	900.0	20.7	15.4	171.0	12.4	-1.9	12.2	302.9	336.2	12.3	71.4	71.4	1.8	348.
3.3	17.5	1198.1	875.0	18.4	15.0	173.0	13.8	-1.5	13.8	302.9	336.4	12.4	81.0	81.0	2.4	350.
4.4	19.7	1446.9	850.0	16.4	13.4	186.9	14.7	1.8	14.6	303.3	334.5	11.5	82.5	82.5	3.3	352.
5.4	22.4	1730.9	825.0	15.3	11.4	198.5	15.4	4.5	14.6	304.8	333.3	10.4	77.6	77.6	4.1	357.
6.1	25.0	1961.6	800.0	15.1	6.8	195.5	17.5	4.7	16.9	307.3	329.2	7.8	57.6	57.6	6.9	1.
7.4	27.6	2232.7	775.0	16.7	-9.4	186.7	17.6	2.1	17.4	313.9	321.4	2.4	14.0	14.0	6.1	2.
8.2	30.1	2512.1	750.0	17.6	-9.1	190.6	17.8	3.3	17.5	315.7	321.6	2.6	15.3	15.3	7.9	3.
9.1	32.8	2830.6	725.0	18.6	-10.2	197.0	17.3	5.0	16.5	316.5	324.1	2.4	16.0	16.0	7.9	4.
10.2	35.4	3096.4	700.0	19.9	-10.2	198.6	17.1	5.5	16.2	316.8	327.2	3.4	25.2	25.2	8.9	6.
11.2	38.1	3400.4	675.0	12.3	-6.5	196.2	17.5	4.9	16.0	317.1	326.4	3.0	25.8	25.8	10.1	7.
12.4	40.0	3713.0	650.0	7.8	-7.4	198.9	16.7	5.4	15.8	317.6	323.2	3.4	32.9	32.9	11.3	8.
13.7	43.8	4034.7	625.0	4.9	-10.7	204.7	17.1	7.1	15.5	318.0	326.5	2.7	31.4	31.4	12.5	10.
15.3	46.7	4365.8	600.0	1.8	-13.2	204.9	16.3	9.1	15.9	318.2	325.5	2.3	32.0	32.0	13.8	11.
16.3	49.6	4707.0	575.0	-1.2	-20.0	212.4	18.5	9.9	15.7	318.6	323.0	1.4	22.3	22.3	15.2	13.
17.7	52.6	5059.2	550.0	-4.3	-27.4	210.2	19.6	9.9	17.0	319.0	321.4	0.7	14.5	14.5	16.7	15.
19.1	55.8	5423.7	525.0	-7.0	-29.4	211.2	20.0	10.3	17.1	320.0	322.2	0.6	16.7	16.7	18.3	16.
20.4	59.9	5807.4	500.0	-9.3	-33.1	211.8	16.7	6.8	17.1	321.7	323.4	0.5	12.3	12.3	19.8	18.
21.9	62.1	6197.1	475.0	-11.4	-34.6	207.2	13.3	6.1	11.9	323.9	325.4	0.4	12.5	12.5	21.0	18.
23.6	65.4	6609.4	450.0	-14.4	-36.4	212.4	13.4	7.3	11.5	325.2	326.5	0.4	12.8	12.8	22.3	19.
25.2	68.9	7039.4	425.0	-18.0	-39.5	212.0	14.7	7.8	12.4	326.0	327.0	0.3	13.1	13.1	23.7	20.
27.1	72.4	7489.1	400.0	-22.0	-42.5	211.2	16.9	8.8	14.5	326.4	327.3	0.2	13.5	13.5	25.4	20.
28.9	76.0	7961.6	375.0	-26.8	-46.6	220.4	20.1	13.0	15.3	328.8	329.5	0.2	13.8	13.8	27.2	21.
30.4	79.7	8460.6	350.0	-29.1	-47.1	229.2	20.9	15.8	13.7	329.9	331.5	0.2	14.1	14.1	29.2	23.
32.4	83.7	8987.6	325.0	-32.4	-50.5	230.0	20.9	16.0	13.4	332.0	332.4	0.1	14.5	14.5	31.4	25.
34.6	87.7	9546.5	300.0	-37.3	-54.3	229.3	20.9	15.8	13.6	332.8	333.1	0.1	14.9	14.9	33.8	27.
37.2	92.0	10140.1	275.0	-43.0	-54.9	231.8	20.2	15.9	12.9	332.9	332.9	0.0	14.9	14.9	36.7	29.
39.7	96.6	10776.2	250.0	-48.0	-59.0	230.2	21.3	16.3	13.4	334.7	334.7	0.0	14.9	14.9	39.5	31.
42.3	101.4	11462.7	225.0	-53.4	-59.9	234.5	21.5	17.5	12.5	336.6	336.6	0.0	14.9	14.9	42.4	32.
45.3	106.6	12211.6	200.0	-59.4	-59.9	238.6	24.9	21.2	13.0	338.7	338.7	0.0	14.9	14.9	46.3	34.
48.4	112.2	13043.5	175.0	-59.5	-59.9	231.2	25.1	19.6	15.7	351.8	339.9	0.0	14.9	14.9	48.3	34.
51.8	118.3	14010.0	150.0	-60.6	-59.9	219.2	24.2	15.3	18.7	365.8	340.9	0.0	14.9	14.9	50.8	37.
55.3	124.8	15145.4	125.0	-61.9	-59.9	228.2	22.7	16.9	15.1	382.9	341.9	0.0	14.9	14.9	61.5	38.
59.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
63.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
67.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
71.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
75.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
79.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
83.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
87.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
91.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
95.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.
99.3	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9	999.

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

STATION NO. 38  
STROUD, OKLAHOMA  
9 MAY 1979  
2305 GMT

TIME MIL	CNCT	HEIGHT GPH	PRES IN	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	WX RTO G/MIN	RM PCT	RANGE KM	AL DG
0.0	9.7	272.0	972.0	26.2	18.8	140.0	0.2	-4.0	4.7	301.8	339.9	14.3	60.0	0.0	0.0
90.0	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	999.9
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	999.9
3.6	11.5	474.1	950.0	24.8	18.1	158.3	10.2	-3.8	9.5	302.4	337.6	13.9	60.0	0.4	337.6
1.3	13.8	708.1	925.0	22.9	17.2	160.0	11.7	-3.2	11.2	303.0	338.0	13.5	70.0	0.9	338.0
4.1	16.2	466.7	900.0	20.8	16.5	173.4	12.8	-1.5	12.7	303.5	338.0	13.2	76.2	1.4	342.4
3.0	18.5	1190.6	875.0	19.0	16.8	181.2	13.3	0.3	13.3	303.5	341.0	13.9	86.9	2.1	348.0
8.3	21.0	1434.5	850.0	16.7	15.1	184.5	14.4	1.1	14.5	303.6	338.4	12.9	90.7	2.9	352.0
4.5	23.4	1094.1	825.0	15.1	13.5	188.4	15.3	1.2	15.2	303.6	337.1	11.9	94.3	3.7	355.0
5.7	25.8	1956.5	800.0	12.4	11.5	188.6	16.5	1.7	16.4	304.3	333.7	10.7	94.3	4.4	357.0
6.5	29.3	2220.9	775.0	10.5	-7.8	186.6	18.7	1.3	16.7	305.1	324.5	7.0	43.5	5.1	358.0
7.5	33.9	2495.8	750.0	16.0	-40.1	182.7	18.0	0.8	16.0	314.0	314.5	0.2	1.0	6.2	359.0
8.4	33.5	2782.8	725.0	15.3	-40.5	186.9	17.4	2.1	17.3	316.3	316.8	0.1	1.0	7.2	360.0
9.4	36.1	3078.5	700.0	13.6	-24.6	193.2	15.9	3.4	15.5	317.6	320.1	0.7	5.3	8.2	361.0
13.5	38.8	3352.9	675.0	10.8	-18.7	197.0	17.0	5.0	16.2	317.8	322.0	1.3	10.8	9.2	362.0
11.5	41.5	3695.6	650.0	6.3	-19.4	200.7	17.0	6.0	15.9	319.4	322.5	1.2	11.6	10.2	363.0
12.6	44.3	4017.5	625.0	5.5	-28.9	206.5	17.7	7.9	15.9	319.7	322.5	0.6	6.2	11.3	364.0
13.4	47.2	4348.9	600.0	2.4	-23.9	210.1	19.1	9.6	16.5	318.9	322.0	0.9	12.1	12.5	365.0
15.0	50.1	4690.3	575.0	-0.8	-26.0	211.3	21.1	10.9	16.0	319.1	321.7	0.8	12.7	13.8	366.0
16.2	53.0	5033.0	550.0	-4.3	-26.7	214.1	23.2	13.0	16.2	319.0	321.7	0.8	15.4	15.3	367.0
17.5	55.9	5407.6	525.0	-7.0	-40.7	215.3	24.1	12.8	16.0	320.0	320.7	0.2	4.8	17.1	368.0
21.4	62.3	6182.1	475.0	-10.8	-55.8	212.2	17.5	9.3	16.8	321.7	321.6	0.0	1.0	18.6	369.0
21.9	65.5	6595.1	450.0	-13.4	-58.7	207.4	15.4	7.1	15.6	324.7	324.6	0.0	1.0	20.6	370.0
23.4	68.9	7027.2	425.0	-17.4	-61.0	212.5	17.1	9.2	15.4	326.6	326.7	0.0	1.0	22.9	371.0
25.1	72.4	7478.9	400.0	-20.2	-62.7	220.7	18.6	12.2	16.2	328.6	328.9	0.0	1.0	24.5	372.0
26.9	76.0	7957.9	375.0	-24.3	-65.4	226.0	20.4	14.7	16.2	329.4	329.5	0.0	2.4	26.3	373.0
28.0	79.5	8452.0	350.0	-29.5	-62.0	231.2	19.8	15.5	16.4	330.4	330.5	0.0	4.7	30.7	374.0
33.2	83.7	9074.3	325.0	-32.3	-59.5	233.3	19.2	15.4	11.5	332.2	332.3	0.0	5.2	33.1	375.0
33.1	87.8	9537.9	300.0	-37.4	-62.6	229.5	20.5	15.6	13.3	332.7	332.8	0.0	9.9	35.7	376.0
35.2	92.0	10112.8	275.0	-42.1	-64.9	233.1	20.4	16.5	12.4	334.3	334.3	0.0	9.9	38.2	377.0
37.6	96.6	10711.3	250.0	-47.1	-68.9	230.7	20.9	18.1	10.5	336.1	336.1	0.0	9.9	41.0	378.0
40.3	101.5	11457.5	225.0	-52.6	-69.9	244.6	22.8	19.9	9.5	337.9	337.9	0.0	9.9	44.0	379.0
42.8	106.8	12211.0	200.0	-57.9	-69.9	246.9	21.8	20.1	8.6	341.1	341.1	0.0	9.9	47.6	380.0
45.8	112.5	13045.7	175.0	-60.0	-60.0	238.8	20.0	20.6	15.5	350.9	350.9	0.0	9.9	52.6	381.0
49.0	118.4	14012.4	150.0	-59.7	-60.0	228.5	20.7	20.0	17.7	367.3	367.3	0.0	9.9	58.2	382.0
52.6	124.1	15184.3	125.0	-62.7	-60.0	230.0	20.7	19.7	16.5	391.4	391.4	0.0	9.9	66.9	383.0
56.3	131.7	16516.7	100.0	-63.5	-60.0	400.9	19.9	19.9	16.5	405.0	405.0	0.0	9.9	99.9	384.0
59.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 38  
SFRUO. OHLANEMA  
18 MAY 1979  
205 GMT

TIME MIN	CNCT	HEIGHT GPH	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 RTO CM/KG	RM PCT	RANGE KM	AZ DG
00	96	272.0	972.1	24.3	18.2	150.0	5.1	-2.6	4.4	299.9	336.3	13.7	69.0	0.0	00
01	97	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	999.9
02	98	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	999.9
03	99	99.9	950.0	24.4	18.6	147.1	15.2	-8.3	12.8	301.9	340.4	14.4	70.3	0.0	326
04	100	99.9	925.0	22.1	17.4	152.1	16.6	-7.0	15.0	302.0	336.7	13.7	74.7	1.0	327
05	101	99.9	900.0	20.2	16.6	165.8	19.6	-4.8	15.0	302.3	338.0	13.5	80.6	1.9	330
06	102	99.9	875.0	18.4	16.6	170.1	20.9	-3.6	20.5	302.9	339.9	13.8	89.4	3.0	340
07	103	99.9	850.0	16.6	14.3	176.4	20.5	-1.3	20.4	303.4	336.6	13.2	86.4	4.0	343
08	104	99.9	825.0	14.8	14.3	181.1	21.0	0.6	21.0	309.3	336.0	11.6	89.6	5.2	347
09	105	99.9	800.0	12.2	11.5	182.5	20.5	0.9	20.4	309.2	333.6	10.7	95.2	6.3	349
10	106	99.9	775.0	20.0	-37.7	183.6	19.1	1.2	19.1	315.3	316.0	0.2	1.0	7.3	352
11	107	99.9	750.0	18.4	-38.7	183.0	17.4	0.9	17.4	316.5	317.2	0.2	1.0	8.4	353
12	108	99.9	725.0	16.1	-40.1	180.8	16.7	2.0	16.6	317.1	317.7	0.2	1.0	9.4	356
13	109	99.9	700.0	13.7	-41.5	194.1	15.9	3.9	15.4	317.6	321.4	1.2	8.3	10.3	358
14	110	99.9	675.0	10.3	-21.7	199.9	15.5	5.3	15.4	317.2	320.5	1.0	8.6	11.3	360
15	111	99.9	650.0	7.9	-23.7	198.0	17.3	5.3	16.5	317.9	320.9	0.9	8.0	12.3	362
16	112	99.9	625.0	4.6	-24.3	203.7	17.6	7.1	16.1	317.7	320.6	0.9	10.1	13.6	364
17	113	99.9	600.0	1.3	-24.7	208.6	18.7	7.8	17.0	317.7	320.6	0.9	12.2	14.8	366
18	114	99.9	575.0	-1.4	-26.7	206.1	19.1	8.4	17.2	317.8	319.9	0.6	10.6	16.1	368
19	115	99.9	550.0	-4.8	-31.6	206.1	20.3	8.9	18.2	318.4	320.1	0.5	10.1	17.5	370
20	116	99.9	525.0	-7.4	-41.5	208.4	17.5	8.3	18.4	319.5	320.2	0.2	6.5	19.0	372
21	117	99.9	500.0	-9.3	-42.4	211.1	16.9	8.7	18.4	321.7	322.6	0.2	4.7	20.3	374
22	118	99.9	475.0	-10.6	-47.5	213.6	16.2	9.0	18.5	323.9	322.6	0.1	3.0	21.5	376
23	119	99.9	450.0	-14.0	-52.9	221.7	13.6	12.6	18.9	325.7	325.3	0.1	2.1	22.9	378
24	120	99.9	425.0	-17.6	-54.0	222.7	26.0	13.5	18.7	326.4	326.6	0.1	2.9	24.4	380
25	121	99.9	400.0	-21.3	-55.4	219.8	19.5	12.5	18.0	327.3	327.5	0.0	2.9	26.1	382
26	122	99.9	375.0	-25.3	-48.5	222.5	18.3	12.4	18.5	328.1	328.5	0.1	9.3	28.0	384
27	123	99.9	350.0	-29.7	-50.9	223.2	17.8	13.1	18.9	329.0	330.0	0.1	9.4	30.1	386
28	124	99.9	325.0	-32.9	-53.9	226.1	21.0	15.2	18.6	331.3	331.6	0.1	10.1	32.3	388
29	125	99.9	300.0	-37.7	-57.4	228.7	22.2	17.4	18.8	333.5	332.5	0.1	10.3	34.6	390
30	126	99.9	275.0	-42.6	-59.9	228.7	21.9	16.4	18.4	333.5	332.5	0.1	10.3	37.5	392
31	127	99.9	250.0	-47.4	94.9	232.6	20.1	16.0	18.2	335.6	333.6	0.1	99.9	40.4	394
32	128	99.9	225.0	-52.8	99.9	235.3	20.9	16.9	18.0	337.6	333.6	0.1	99.9	43.3	396
33	129	99.9	200.0	-58.1	99.9	253.5	19.2	16.6	4.8	348.0	333.6	0.1	99.9	46.0	398
34	130	99.9	175.0	-62.3	99.9	263.3	18.1	17.9	2.7	347.2	333.6	0.1	99.9	47.8	400
35	131	99.9	150.0	-64.9	99.9	238.7	23.9	20.4	18.4	359.3	333.6	0.1	99.9	50.4	402
36	132	99.9	125.0	-65.1	99.9	226.1	20.6	19.2	18.4	377.1	333.6	0.1	99.9	52.8	404
37	133	99.9	100.0	-64.8	99.9	99.9	99.9	99.9	99.9	482.6	333.6	0.1	99.9	55.8	406
38	134	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
39	135	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9
40	136	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99.9	99.9	999.9

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

STATION NO. 38  
STROUD, OKLAHOMA

18 MAY 1979  
085 GMT

128 101. 0

VIEW	CHCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	PWT T	E POT T	RE WTO	RM	RANGE	AZ
MIN		GPM	MB	DEG C	DEG C	DEG	M/SEC	M/SEC	M/SEC	DEG K	DEG K	GM/KG	PCT	LN	DEG
7.0	9.0	272.0	972.3	23.8	18.0	150.0	7.2	-3.0	6.2	299.4	335.1	13.3	70.0	0.0	0.
90.0	57.2	99.0	1008.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
90.0	99.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
0.0	11.5	674.0	950.0	22.2	16.8	140.1	14.5	-7.4	12.4	299.7	333.9	12.8	71.5	0.0	326.
1.8	13.9	707.7	925.0	20.3	16.4	157.5	17.4	-6.7	10.1	300.3	334.9	12.0	77.3	1.4	329.
2.7	16.0	943.0	900.0	18.9	16.5	164.8	20.3	-6.0	19.7	301.0	336.9	13.1	84.0	2.0	335.
3.6	18.0	1185.0	875.0	17.1	16.1	171.2	22.9	-2.7	22.7	301.6	337.2	13.1	91.0	3.0	340.
4.5	21.0	1433.2	850.0	15.8	14.6	179.4	25.6	-0.2	22.6	302.8	335.9	12.4	93.8	0.7	340.
5.6	26.5	1686.8	825.0	13.8	12.6	188.0	28.4	2.2	22.3	303.2	333.6	11.2	92.6	5.9	348.
6.6	30.5	1946.4	800.0	11.7	10.6	198.0	29.2	3.0	19.8	303.6	331.3	10.1	92.6	7.2	352.
7.5	34.1	2211.1	775.0	10.0	-10.3	198.4	16.1	5.1	19.3	313.2	313.8	0.3	2.0	0.2	357.
8.5	37.7	2472.3	750.0	10.7	-31.1	200.9	15.8	5.6	19.7	319.7	315.8	0.3	2.0	0.2	357.
9.6	34.2	2779.0	725.0	19.1	-36.5	205.0	15.3	6.0	19.0	319.2	316.1	0.2	1.7	10.1	360.
10.7	37.1	3071.0	700.0	12.1	-42.5	204.4	14.0	7.3	14.9	319.0	316.3	0.1	1.0	11.9	2.
11.8	34.0	3374.1	675.0	4.8	-44.0	211.8	14.7	7.8	13.5	318.6	317.0	0.1	1.0	11.9	4.
12.9	30.7	3687.1	650.0	6.7	-44.6	218.0	14.7	8.0	12.6	318.4	317.0	0.1	1.1	12.8	7.
14.1	25.5	4006.7	625.0	3.6	-49.3	217.7	13.4	9.6	12.2	318.5	317.0	0.1	1.3	13.7	9.
15.2	20.4	4335.0	600.0	0.5	-41.7	216.4	10.9	10.3	13.5	318.3	317.3	0.2	2.0	15.7	11.
16.3	15.3	4675.2	575.0	-2.5	-45.3	216.7	10.8	11.9	13.9	317.1	317.8	3.1	2.1	15.9	13.
17.4	10.4	5020.6	550.0	-5.5	-45.7	216.7	21.2	12.7	17.0	317.6	318.0	0.1	2.9	17.5	15.
18.6	5.5	5389.3	525.0	-7.6	-51.4	216.9	20.6	11.1	17.2	319.3	319.4	0.1	1.9	19.1	17.
20.8	0.6	5766.4	500.0	-10.4	-52.2	216.8	18.1	10.6	19.7	320.4	320.6	0.1	1.7	20.7	18.
21.9	63.9	6157.0	475.0	-12.2	-52.5	216.0	18.0	11.1	19.2	322.9	323.1	0.1	1.9	22.6	20.
23.3	67.3	6571.0	450.0	-15.4	-53.3	211.6	19.6	10.0	19.3	323.8	324.1	0.1	2.2	23.6	21.
24.9	70.7	6979.4	425.0	-19.1	-50.5	211.3	19.3	10.0	18.5	324.0	324.8	0.1	2.0	25.2	21.
26.0	74.3	7404.1	400.0	-22.1	-56.7	213.3	20.5	11.3	17.2	326.2	326.4	0.0	3.0	27.2	22.
27.0	78.0	7812.5	375.0	-25.6	-64.7	219.3	20.5	13.0	15.9	327.7	327.9	0.1	4.0	29.9	23.
27.8	81.8	8166.0	350.0	-29.8	-67.1	219.4	20.0	13.3	16.0	328.4	328.8	0.0	5.0	30.9	24.
31.6	85.8	8932.0	325.0	-34.3	-67.1	219.4	20.0	13.3	16.0	328.4	328.8	0.0	7.0	33.3	25.
33.6	93.0	9399.6	300.0	-38.2	-63.3	221.2	22.9	16.1	18.0	329.4	329.4	0.0	7.7	35.1	26.
35.7	94.3	10287.0	275.0	-42.9	-64.9	222.5	22.6	16.1	18.6	331.1	331.4	0.0	999.0	38.8	28.
38.0	94.0	10722.2	250.0	-47.8	-63.9	230.2	22.0	16.6	18.6	337.0	337.0	0.0	999.0	41.7	29.
40.0	104.0	11409.2	225.0	-52.6	-69.0	240.4	22.4	20.8	9.0	337.0	337.0	0.0	999.0	44.6	31.
42.7	104.3	12162.7	200.0	-57.1	-64.9	266.6	19.7	19.7	1.2	342.4	342.4	0.0	999.0	48.0	34.
45.3	115.3	12994.7	175.0	-64.4	-69.0	287.7	17.4	17.0	0.7	343.7	343.7	0.0	999.0	48.1	37.
47.6	121.3	13923.2	150.0	-68.4	-68.4	288.0	18.2	18.2	18.8	342.2	342.2	0.0	999.0	58.8	36.
51.1	124.5	15027.2	125.0	-66.7	-69.0	999.0	99.0	99.0	99.0	346.3	346.3	0.0	999.0	58.9	39.
54.9	99.0	99.0	100.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
59.0	99.0	99.0	75.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
64.0	99.0	99.0	50.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0
69.0	99.0	99.0	25.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	999.0	99.0	999.0	999.0	999.0

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

STATION NO. 38  
 STRAUSS, OKLAHOMA  
 10 MAY 1979  
 0505 GMT

TIME MIN	CNCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U C/MP SEC	V COMP M/SEC	PWT T DG K	E PUT T DG K	MK RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	8.9	272.0	972.5	23.5	18.8	160.0	6.2	-2.1	5.8	299.0	310.6	14.2	75.0	0.0	0.
00.9	90.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.0	91.0	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
01.1	91.1	99.9	950.0	22.8	19.9	171.5	15.0	-2.2	14.9	300.3	330.2	14.7	78.9	0.5	352.
1.5	13.4	709.6	925.0	20.8	16.7	174.4	18.2	-1.8	18.1	300.6	349.0	14.8	87.5	1.2	352.
2.3	15.7	746.7	900.0	18.7	17.9	181.7	22.8	0.7	22.9	300.8	359.4	14.5	94.8	2.2	352.
3.2	18.1	1189.2	875.0	18.2	17.1	185.0	26.4	2.3	26.3	302.7	380.6	14.2	93.3	3.7	359.
4.2	20.5	1436.0	850.0	16.8	15.2	185.6	24.9	2.4	24.8	303.7	386.7	12.9	90.5	5.2	1.
5.2	23.0	1692.8	825.0	15.6	12.1	187.1	21.9	2.7	21.8	305.1	338.9	10.9	80.0	6.6	2.
6.3	25.5	1951.1	800.0	13.1	11.5	189.0	19.9	3.1	19.7	305.2	314.7	10.6	90.1	8.0	3.
7.4	24.1	2220.4	775.0	12.7	8.1	193.9	17.1	4.1	16.6	307.4	331.2	8.5	73.3	9.3	4.
8.6	30.7	2500.0	750.0	17.4	-12.2	192.5	15.4	5.1	14.5	315.5	321.8	2.0	12.1	10.2	5.
9.7	33.2	2787.6	725.0	13.0	-15.6	206.0	16.8	7.3	14.9	315.9	320.9	1.6	10.7	11.3	7.
10.8	35.9	3081.3	700.0	13.3	-17.9	218.4	17.8	10.1	14.7	317.2	321.6	1.3	9.6	12.3	9.
11.8	38.6	3387.3	675.0	13.9	-19.5	220.7	18.3	11.9	13.9	317.9	321.8	1.2	9.9	13.3	11.
13.0	41.3	3694.7	650.0	8.0	-21.5	225.6	18.0	12.9	12.6	318.0	321.5	1.1	10.2	14.4	14.
14.2	44.2	4021.3	625.0	5.1	-23.4	225.9	20.0	14.3	13.7	318.3	321.4	0.9	10.5	15.5	17.
15.6	47.1	4352.3	600.0	7.8	-25.7	222.7	18.7	12.7	13.0	318.2	320.9	0.8	10.8	16.6	19.
16.7	50.0	4693.5	575.0	-1.3	-25.5	217.2	19.9	12.0	15.8	318.5	321.2	0.8	13.8	18.2	21.
18.1	53.0	5085.7	550.0	4.6	-27.9	216.3	21.7	12.2	17.9	318.7	321.0	0.7	14.0	19.8	22.
19.4	56.1	5499.4	525.0	-7.6	-24.9	215.3	20.3	11.8	16.6	319.3	320.6	0.4	9.0	21.5	23.
20.7	59.3	5927.9	500.0	-10.1	-26.6	217.0	23.4	12.1	16.3	320.8	322.0	0.3	9.2	23.0	24.
22.0	62.4	6380.9	475.0	-13.2	-28.7	217.3	18.5	11.1	14.8	321.7	322.7	0.3	9.5	24.5	25.
23.5	65.8	6891.0	450.0	-15.4	-30.5	213.9	16.2	9.0	13.4	323.2	325.0	0.3	11.8	26.0	25.
25.0	69.1	7420.3	425.0	-18.3	-37.0	206.3	17.0	7.6	15.3	325.6	326.9	0.4	17.3	27.4	26.
26.7	72.7	7970.1	400.0	-21.3	-42.3	206.0	20.7	9.1	18.6	327.3	328.2	0.2	13.0	29.4	26.
28.5	76.6	8543.1	375.0	-24.6	-43.8	208.4	20.8	9.9	18.3	329.1	329.0	0.2	14.8	31.6	26.
30.2	80.3	9141.7	350.0	-28.6	-47.8	209.6	20.6	10.2	17.9	330.2	330.7	0.1	13.7	33.9	26.
32.1	84.2	9766.7	325.0	-32.5	-50.0	217.8	22.4	13.6	17.8	331.9	332.3	0.1	14.1	36.2	24.
34.2	88.9	10427.7	300.0	-36.7	-54.9	220.5	22.1	14.3	16.8	333.7	335.0	0.1	14.5	38.9	27.
36.6	92.8	11124.4	275.0	-41.4	-59.9	224.7	22.0	15.5	15.6	335.2	339.0	99.9	99.9	41.9	28.
39.3	97.0	11764.5	250.0	-46.3	-64.9	231.5	20.8	17.6	15.0	337.3	349.0	99.9	99.9	44.7	30.
41.3	102.4	11657.1	225.0	-51.1	-69.9	259.2	19.5	19.2	3.6	340.3	349.0	99.9	99.9	46.9	32.
43.6	107.8	12113.1	200.0	-56.2	-74.0	259.5	18.2	17.3	3.4	342.7	349.0	99.9	99.9	48.6	34.
46.1	113.5	13043.9	175.0	-63.2	-74.9	235.9	12.1	19.2	0.8	342.3	349.0	99.9	99.9	50.1	36.
48.9	120.0	13372.9	150.0	-68.0	-74.9	212.1	23.4	12.4	0.8	350.3	349.0	99.9	99.9	52.6	36.
52.2	127.0	15381.4	125.0	-65.6	-74.9	226.0	30.3	21.0	21.1	408.1	349.0	99.9	99.9	58.4	36.
57.5	135.0	16952.0	100.0	-61.6	-74.9	94.9	99.9	59.9	49.9	408.1	349.0	99.9	99.9	99.9	99.9
62.8	98.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
69.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* 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

ORIGINAL PAGE IS  
 OF POOR QUALITY

STATION NO. 38  
STROUD, OKLAHOMA  
10 MAY 1979  
1105 GMT

TIME MIN	CNTCY	HEIGHT FT	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	Y COMP M/SEC	POT T DG K	E POT T DG K	MR ATO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	9.1	272.0	973.6	21.7	19.3	160.0	3.6	-1.2	3.4	297.1	335.3	19.0	86.9	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	99.9	99.9	999.9	999.9	999.9
0.8	11.3	465.8	950.0	21.8	19.0	168.8	11.7	-2.3	11.6	299.9	338.3	18.8	83.9	8.3	339.
1.7	13.7	717.4	925.0	20.0	18.3	179.1	15.6	-0.2	15.6	299.8	336.6	18.5	90.1	1.2	347.
2.7	16.1	953.9	900.0	18.1	17.0	190.5	19.5	3.6	19.1	300.2	336.6	13.7	93.2	2.3	356.
3.7	18.6	1176.1	875.0	18.1	15.5	202.0	16.4	6.9	17.1	302.6	337.0	12.8	86.6	3.4	3.
4.5	21.1	1445.0	850.0	17.7	11.4	212.1	16.6	8.8	14.1	304.7	332.4	10.1	66.6	4.5	9.
5.9	21.6	1700.4	825.0	16.4	9.6	217.9	16.2	10.0	12.6	306.0	331.3	9.1	63.7	5.5	14.
6.7	26.1	1762.0	800.0	15.0	8.1	222.2	15.7	10.5	11.6	307.1	330.9	8.5	63.2	6.6	18.
6.9	24.7	2233.2	775.0	12.9	6.3	231.2	14.3	11.1	9.0	307.7	329.6	7.8	64.5	7.2	22.
9.1	31.3	2505.1	750.0	10.6	5.9	231.1	14.9	11.9	8.9	308.1	329.9	7.7	72.3	8.0	25.
10.1	34.0	2787.1	725.0	9.6	4.9	233.5	15.3	12.3	9.1	311.0	331.3	7.5	72.1	8.9	28.
11.3	36.7	3078.9	700.0	10.1	-11.9	220.5	12.7	8.2	9.7	313.7	331.4	2.5	23.6	9.9	33.
12.7	39.4	3370.7	675.0	9.4	-28.8	209.4	12.7	6.2	11.0	316.1	317.9	0.5	6.8	10.8	30.
14.1	42.3	3671.7	650.0	6.9	-30.0	211.9	15.0	7.9	12.7	316.9	318.4	0.5	5.1	12.0	30.
14.1	45.1	4011.9	625.0	4.3	-30.4	212.4	15.9	8.5	13.5	317.4	319.1	0.5	5.0	13.6	33.
17.1	49.0	4341.6	600.0	1.2	-29.7	209.9	16.0	8.0	13.9	317.5	323.1	0.8	11.3	14.6	31.
18.6	51.0	4681.9	575.0	-1.9	-30.7	206.1	15.9	7.0	14.3	317.6	319.6	0.5	9.8	16.2	30.
20.3	54.1	5031.1	550.0	-5.2	-32.3	200.9	15.1	6.9	13.5	317.9	319.4	0.4	9.2	17.5	30.
21.5	57.3	5396.4	525.0	-7.3	-43.6	211.5	16.3	8.5	13.9	319.7	320.3	0.1	3.5	18.9	30.
23.0	62.4	5775.5	500.0	-8.9	-46.0	216.3	17.1	10.2	13.8	322.2	323.6	0.6	13.6	20.4	30.
24.6	63.6	6169.9	475.0	-12.3	-45.3	215.2	18.0	10.3	14.7	322.8	324.2	0.4	12.6	22.1	31.
26.3	67.0	6590.4	450.0	-15.3	-42.8	210.0	19.5	9.8	16.9	324.0	324.7	0.2	7.4	23.9	31.
28.0	70.4	7033.2	425.0	-17.4	-44.5	212.1	22.7	12.1	14.2	326.7	327.1	0.3	6.6	26.2	31.
29.6	74.3	7461.7	400.0	-20.9	-46.3	218.1	23.7	14.7	16.7	328.0	329.6	0.1	8.4	30.7	42.
31.7	77.7	7935.2	375.0	-24.8	-49.0	219.7	22.6	14.5	17.4	328.8	329.2	0.1	8.8	33.4	32.
33.3	81.5	8433.2	350.0	-28.9	-51.8	219.6	24.8	14.8	19.1	329.8	331.2	0.1	8.8	36.5	33.
35.3	85.5	8957.1	325.0	-33.2	-54.8	218.3	23.6	14.6	18.5	330.9	332.1	0.1	9.7	39.4	33.
37.5	89.7	9515.9	300.0	-37.9	-58.2	219.7	22.2	14.2	17.1	331.9	332.1	0.1	9.7	42.5	36.
39.4	94.0	10174.9	275.0	-42.3	-61.9	218.7	22.7	14.2	16.7	333.9	332.9	0.1	9.7	45.6	34.
42.3	98.7	10749.4	250.0	-46.7	-65.3	220.2	21.8	14.1	16.7	336.7	336.7	0.1	9.7	48.0	34.
44.7	103.6	11439.1	225.0	-51.6	-68.9	229.0	21.0	13.8	13.8	339.4	339.4	0.1	9.7	51.6	35.
46.9	108.8	12192.6	200.0	-57.8	-72.9	222.9	18.5	12.6	13.5	347.2	339.0	0.1	9.7	53.6	35.
49.4	114.8	13025.4	175.0	-62.1	-76.9	198.2	17.9	9.6	17.0	347.4	339.9	0.1	9.7	56.8	35.
51.7	121.0	13967.6	150.0	-65.6	-80.9	222.0	26.5	17.7	19.7	357.1	339.9	0.1	9.7	63.2	37.
54.4	124.0	15073.0	125.0	-64.4	-84.4	231.4	30.8	24.1	19.2	378.4	339.9	0.1	9.7	69.9	999.
60.0	130.0	16451.0	100.0	-60.6	-92.9	649.9	99.9	99.9	99.9	410.6	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	99.9	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	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	99.9	99.9	999.9	999.9	999.

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

STATION NO. 39  
WICHITA FALLS, TEXAS  
9 MAY 1979  
1128 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	V COMP M/SEC	Y COMP M/SEC	POT T DG K	E POT T DG K	MX WTD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	9.3	302.0	967.5	22.5	14.6	150.0	6.7	-3.4	5.8	298.5	327.5	16.9	81.0	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	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
0.5	10.7	460.4	950.0	22.0	99.9	154.8	11.6	-4.9	10.5	299.5	999.0	99.9	99.9	0.3	337
1.4	12.9	639.4	925.0	19.6	97.7	162.4	16.6	-5.0	15.6	299.4	999.9	99.9	99.9	1.0	338
2.0	15.1	926.3	900.0	17.7	16.2	165.0	20.6	-3.9	20.2	299.0	336.4	13.0	90.8	1.7	341
2.9	17.3	1157.4	875.0	15.9	14.3	178.8	20.5	-2.5	20.5	300.3	333.1	12.3	93.5	2.7	346
3.7	19.6	1414.2	850.0	14.5	11.4	199.9	22.7	1.0	22.4	301.3	329.5	10.4	94.3	3.8	351
4.5	21.9	1677.7	825.0	13.0	10.4	221.1	25.1	1.5	23.8	302.6	316.6	11.6	10.4	4.9	358
5.3	24.3	1931.0	800.0	11.5	9.2	242.2	27.3	1.7	17.5	305.0	310.2	0.2	1.0	3.7	1
6.7	26.7	2235.0	775.0	9.7	-3.7	256.0	33.7	0.1	15.5	317.2	317.0	0.2	1.0	6.6	4
7.0	29.1	2470.0	750.0	10.6	-3.4	256.3	35.7	5.3	15.9	317.0	317.0	0.2	1.0	7.3	6
7.9	31.5	2743.1	725.0	11.0	-3.4	279.4	35.1	5.1	15.4	317.7	318.2	0.2	1.0	0.1	7
8.0	34.0	3024.0	700.0	13.7	-3.4	299.0	34.3	3.0	13.2	317.0	319.2	0.1	1.0	2.0	5
8.3	36.6	3304.0	675.0	14.8	-3.7	320.1	35.1	0.7	14.2	317.7	310.4	0.7	1.5	10.0	10
8.9	39.1	3584.0	650.0	14.0	-3.7	341.2	34.5	0.1	13.1	317.9	19.3	0.1	1.1	10.0	11
9.7	41.6	3864.0	625.0	14.0	-3.4	362.7	33.0	1.1	11.1	317.0	19.4	0.1	1.4	14.2	12
10.1	44.1	4144.0	600.0	13.5	-3.7	383.7	32.2	4.0	11.3	318.2	21.5	0.1	1.0	12.6	13
10.4	46.7	4424.0	575.0	13.1	-3.7	404.7	32.4	2.0	11.4	318.2	319.5	0.1	1.0	13.3	14
10.9	49.2	4704.0	550.0	12.0	-3.7	425.7	32.5	0.7	11.1	320.5	320.7	0.1	1.0	18.1	15
11.3	51.8	4984.0	525.0	11.4	-3.7	446.7	32.0	0.7	12.0	321.0	321.0	0.0	1.0	15.1	16
11.6	54.4	5264.0	500.0	10.9	-3.7	467.7	32.0	0.3	12.1	322.2	322.2	0.0	1.0	16.2	17
11.9	57.0	5544.0	475.0	11.2	-3.7	488.7	31.0	5.3	9.3	322.9	323.0	0.0	1.0	17.3	18
12.1	59.7	5824.0	450.0	10.4	-3.7	509.7	30.7	6.5	8.4	325.0	324.0	0.0	1.0	18.3	19
12.7	62.3	6104.0	425.0	10.3	-3.7	530.7	30.3	5.3	10.4	324.3	324.4	0.0	1.0	19.0	20
13.2	65.0	6384.0	400.0	10.4	-3.4	551.7	32.1	0.1	10.4	324.6	324.7	0.0	1.0	20.2	21
13.9	67.6	6664.0	375.0	10.6	-3.7	572.7	32.0	0.1	10.6	324.6	324.7	0.0	1.0	21.3	22
14.4	70.3	6944.0	350.0	10.6	-3.7	593.7	32.0	7.8	10.4	324.6	324.7	0.0	1.0	22.6	23
14.8	73.0	7224.0	325.0	10.6	-3.7	614.7	32.0	10.0	11.5	324.6	324.6	0.0	1.0	24.3	24
15.4	75.7	7504.0	300.0	10.3	-3.7	635.7	32.0	10.3	13.8	330.5	330.5	0.0	1.0	26.3	25
16.0	78.4	7784.0	275.0	10.3	-3.7	656.7	32.0	10.1	13.7	331.4	331.4	0.0	1.0	28.3	26
16.7	81.1	8064.0	250.0	10.3	-3.7	677.7	32.0	10.3	12.0	331.4	331.4	0.0	1.0	30.3	27
17.3	83.8	8344.0	225.0	10.3	-3.7	698.7	32.0	9.3	10.3	331.6	331.6	0.0	1.0	32.3	28
18.0	86.5	8624.0	200.0	10.3	-3.7	719.7	32.0	4.4	10.3	336.7	336.7	0.0	1.0	34.6	29
18.6	89.2	8904.0	175.0	10.3	-3.7	740.7	32.0	13.2	12.1	339.6	339.6	0.0	1.0	37.2	30
19.0	91.9	9184.0	150.0	10.4	-3.7	761.7	32.0	16.9	17.0	366.0	366.0	0.0	1.0	41.5	31
19.3	94.6	9464.0	125.0	10.4	-3.7	782.7	32.0	15.2	18.5	372.2	372.2	0.0	1.0	46.6	32
19.9	97.3	9744.0	100.0	10.4	-3.7	803.7	32.0	99.9	99.9	402.7	402.7	0.0	1.0	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

0 BY SPEED MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 0 BY TEMP MEANS TEMPERATURE OR TIME HAVG BEEN INTERPOLATED  
 00 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 39  
WICHITA FALLS, TEXAS

9 MAY 1979  
1405 GMT

133 03. 0

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	T MP DG C	DEW PT DG C	DIR UG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO GM/KG	SH PCT	RANGE KM	AZ DG
0.0	9.4	322.0	970.3	20.5	16.1	180.0	9.2	0.0	6.2	296.2	327.7	12.0	76.0	0.0	0.
9.4	99.7	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	999.9
99.7	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	999.9
0.6	11.1	483.4	950.0	20.2	16.9	163.5	10.3	-2.9	9.9	297.7	331.7	12.9	81.8	0.0	301.
1.4	13.5	715.3	925.0	18.0	16.5	172.0	13.6	-1.9	1.5	297.7	331.8	12.9	91.1	1.0	300.
7.2	15.9	953.7	920.0	17.0	16.7	185.9	15.4	1.6	15.3	299.7	335.3	13.4	94.0	1.0	350.
3.0	19.3	1191.6	873.0	15.8	14.7	200.1	16.4	5.6	15.4	302.2	333.0	12.3	94.3	2.3	350.
1.7	21.6	1438.3	850.0	15.3	14.4	206.5	17.6	7.8	15.7	302.3	335.3	12.3	94.2	3.0	4.
4.5	24.3	1681.1	825.0	13.0	12.1	206.7	18.2	8.2	16.3	302.3	331.8	10.9	94.6	3.8	9.
5.2	25.8	1753.1	800.0	12.1	11.4	206.0	18.1	7.9	16.3	305.0	334.1	10.7	95.4	4.6	12.
6.3	29.4	2217.1	775.0	12.5	-25.4	200.4	18.4	6.0	17.3	310.5	313.3	0.9	6.8	5.7	14.
7.5	31.0	2425.8	750.0	10.8	-39.7	194.2	15.0	3.7	14.6	314.8	315.4	0.2	1.0	6.9	15.
6.8	31.7	2283.5	725.0	15.9	-40.2	192.9	16.7	3.7	15.3	316.9	317.5	0.2	1.0	8.1	15.
9.7	36.3	3076.5	700.0	13.7	-41.5	194.7	16.3	4.1	15.8	317.6	318.1	0.1	1.0	9.1	14.
10.8	37.1	3383.6	675.0	10.8	-43.3	195.7	16.2	4.4	15.0	317.8	318.2	0.1	1.0	10.1	15.
11.9	41.4	3695.9	650.0	8.1	-44.9	197.1	15.8	4.6	15.1	318.2	318.5	0.1	1.0	11.1	15.
13.3	44.7	4317.3	625.0	5.2	-46.5	201.0	15.0	5.4	15.0	318.4	318.7	0.1	1.0	12.2	18.
14.3	47.7	4343.1	600.0	2.0	-49.7	203.6	14.7	5.9	13.5	318.4	318.7	0.1	1.0	13.2	16.
15.4	50.6	4688.9	575.0	-1.4	-50.7	203.5	14.8	5.2	13.6	318.3	319.6	0.1	1.0	14.4	16.
16.7	51.6	5081.2	550.0	-3.9	-52.4	198.7	14.5	3.7	10.9	319.5	319.7	0.1	1.0	15.4	16.
17.3	56.8	5400.0	525.0	-6.4	-54.0	191.4	12.0	2.4	11.8	320.7	320.9	0.0	1.0	16.3	16.
17.6	59.7	5783.1	500.0	-9.2	-55.7	187.9	14.7	2.0	14.5	321.8	322.0	0.0	1.0	17.3	16.
21.1	63.1	6179.0	475.0	-12.3	-57.7	188.2	14.9	2.1	14.7	322.7	322.9	0.0	1.0	18.8	15.
22.5	66.5	6590.1	450.0	-15.0	-59.4	188.9	15.4	2.4	15.2	324.5	324.5	0.0	1.0	20.0	15.
24.1	70.0	7010.2	425.0	-18.7	-61.8	194.1	15.4	3.6	15.0	325.1	325.1	0.0	1.0	21.4	15.
25.6	73.5	7466.6	400.0	-21.5	-63.6	212.2	14.9	7.9	12.6	327.1	327.1	0.0	1.0	22.8	15.
27.5	77.2	7941.2	375.0	-24.9	-65.9	222.5	15.3	10.4	11.3	328.7	328.7	0.0	1.0	24.3	17.
29.1	81.0	8438.4	350.0	-29.3	-68.7	224.2	16.6	11.5	11.9	329.2	329.2	0.0	1.0	25.9	18.
31.3	85.0	8966.1	325.0	-33.0	-71.2	219.1	17.3	10.9	13.5	331.2	331.2	0.0	1.0	27.7	20.
33.5	89.2	9524.3	300.0	-37.8	-74.3	211.0	17.9	9.2	13.4	332.1	332.1	0.0	1.0	30.0	21.
35.8	91.6	10115.1	275.0	-43.1	-79.3	215.5	17.0	9.9	13.8	332.9	999.9	99.9	999.9	34.3	22.
38.2	94.2	10753.9	250.0	-47.7	-82.0	220.8	15.6	10.2	11.8	335.2	999.9	99.9	999.9	34.7	23.
40.3	103.2	11434.1	225.0	-51.3	-89.3	99.9	16.4	11.3	14.5	336.9	999.9	99.9	999.9	37.2	24.
43.6	104.4	12187.1	200.0	-58.6	-99.9	99.9	17.5	9.5	14.7	339.9	999.9	99.9	999.9	40.1	25.
46.4	114.3	13018.3	175.0	-50.3	-99.9	7	20.9	16.9	14.4	340.4	999.9	99.9	999.9	43.2	26.
49.6	127.3	13948.2	150.0	-60.6	-99.9	2	20.4	15.0	13.9	345.7	999.9	99.9	999.9	48.7	29.
53.6	137.3	15111.1	125.0	-62.1	-99.9	216.2	23.1	13.0	15.1	382.5	999.9	99.9	999.9	51.7	30.
53.2	135.3	16482.6	100.0	-63.7	-97.7	129.9	99.9	99.9	99.9	404.7	999.9	99.9	999.9	56.5	30.
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	99.9	999.9
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	99.9	999.9
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	99.9	999.9

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 9 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 39  
WICHITA FALLS, TEXAS

9 MAY 1979  
1705 GMT

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TIME MIN	CNTCT	WEIGHT 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	WX RTO GPM/G	RM PCT	RANGE KM	AZ DG
0.0	9.5	302.0	969.1	27.0	17.5	160.0	12.9	-6.4	15.1	302.9	338.2	13.1	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	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	11.1	477.7	950.0	24.2	19.6	138.9	15.9	-10.5	12.0	301.8	342.5	15.3	75.2	0.5	328.
1.1	13.5	710.4	925.0	21.2	18.5	143.8	11.1	-6.6	9.9	301.0	340.1	14.7	84.5	1.0	323.
1.8	15.9	943.5	903.0	20.1	19.1	150.4	9.9	-3.7	9.2	302.3	344.2	15.7	93.9	1.3	325.
2.4	18.3	1191.2	875.0	17.1	18.2	174.6	14.5	-1.4	14.4	301.5	337.4	13.4	94.7	1.8	331.
3.4	23.8	1439.4	850.0	16.8	15.4	198.8	18.5	5.3	18.6	303.7	339.3	13.1	91.9	2.6	343.
4.4	23.3	1695.1	825.0	17.6	12.2	214.8	12.8	7.1	18.4	307.2	337.5	18.9	78.8	3.3	355.
5.2	25.8	1959.1	800.0	19.7	3.4	202.8	10.3	4.0	9.5	312.1	330.3	6.3	35.4	3.8	360.
6.0	28.4	2233.8	775.0	22.1	-6.3	199.2	12.7	4.2	12.0	317.5	327.1	3.1	14.3	4.3	2.
6.8	31.0	2510.5	750.0	19.5	-8.2	198.5	16.5	5.2	15.7	317.7	326.3	2.7	16.5	4.9	5.
7.7	33.6	2806.7	725.0	17.3	-11.2	193.2	17.1	3.9	18.7	318.5	325.5	2.2	13.1	5.0	6.
8.7	36.2	3104.3	700.0	16.9	-14.6	193.5	16.7	3.8	18.3	319.6	324.7	1.8	11.6	6.0	7.
9.6	39.0	3409.3	675.0	12.1	-16.5	193.7	15.6	3.7	15.1	319.2	324.2	1.6	11.9	7.7	8.
10.6	41.8	3723.9	650.0	9.0	-18.6	190.4	16.1	2.9	15.9	319.2	323.6	1.3	12.2	8.7	8.
11.4	44.6	4046.7	625.0	6.3	-19.8	185.9	15.8	1.6	15.7	319.7	323.9	1.3	13.3	9.6	8.
12.4	47.5	4378.7	600.0	2.7	-20.9	182.6	15.3	0.7	15.3	319.3	323.2	1.2	15.6	10.6	8.
13.4	50.5	4721.0	575.0	-0.7	-21.1	181.4	13.7	0.3	13.7	319.2	323.3	1.2	19.5	11.6	7.
15.0	53.4	5074.0	550.0	-3.8	-24.2	182.2	14.7	0.8	14.7	319.6	322.9	1.0	18.9	12.6	7.
16.2	56.6	5432.4	525.0	-6.3	-32.0	182.7	16.4	0.8	16.3	320.8	322.6	0.5	11.0	13.7	7.
17.5	59.8	5814.1	500.0	-8.8	-34.8	184.7	16.3	1.3	16.2	322.4	323.8	0.4	10.6	13.0	6.
18.8	63.0	6213.8	475.0	-11.9	-36.9	195.1	20.2	5.3	19.5	323.3	324.5	0.3	10.3	16.4	6.
20.1	66.3	6625.7	450.0	-14.9	-40.7	204.6	18.5	6.9	18.0	324.5	325.3	0.2	8.9	17.9	8.
21.5	69.6	7055.5	425.0	-18.3	-43.0	202.5	15.8	6.0	16.4	325.5	326.3	0.2	9.3	19.1	9.
22.9	73.3	7505.7	400.0	-21.0	-44.9	209.1	17.2	8.4	15.8	327.7	328.4	0.2	9.5	20.4	10.
24.4	77.0	7979.0	375.0	-24.3	-47.2	210.0	20.0	10.9	17.3	329.5	330.0	0.1	9.9	21.9	11.
26.0	80.8	8478.7	350.0	-27.6	-48.5	212.5	19.7	10.6	16.6	331.6	332.1	0.1	11.6	23.8	13.
27.8	85.0	9036.8	325.0	-31.4	-51.4	211.9	21.1	11.2	17.9	332.1	332.4	0.1	12.3	25.9	15.
29.4	89.0	9566.8	300.0	-34.7	-55.1	215.9	19.9	11.7	16.1	333.7	334.0	0.1	12.7	27.8	16.
31.3	93.5	10162.5	275.0	-42.3	99.9	218.3	19.7	12.2	15.4	334.9	999.9	99.9	999.9	29.8	17.
33.3	98.0	10600.1	250.0	-46.7	99.9	212.7	18.8	10.7	16.6	336.7	999.9	99.9	999.9	32.0	19.
35.5	103.0	11489.2	225.0	-52.3	99.9	216.1	22.3	13.1	18.0	338.4	999.9	99.9	999.9	34.7	20.
37.5	108.2	12291.0	200.0	-58.4	99.9	219.2	24.3	15.4	18.8	340.2	999.9	99.9	999.9	37.8	21.
40.3	114.0	13071.4	175.0	-61.6	99.9	223.5	25.7	19.5	18.7	348.3	999.9	99.9	999.9	41.3	24.
43.1	120.3	14031.8	150.0	-59.9	99.9	217.8	25.2	15.4	19.9	344.9	999.9	99.9	999.9	45.2	26.
46.5	127.3	15171.1	125.0	-61.3	99.9	211.5	26.6	12.8	20.9	346.8	999.9	99.9	999.9	50.1	26.
50.4	135.7	16544.2	100.0	-63.5	99.9	999.9	99.9	99.9	99.9	405.1	999.9	99.9	999.9	99.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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

STATION NO. 39  
WICHITA FALLS, TEXAS

9 MAY 1979  
2020 GMT

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TIME MI.	CNCT	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	302.0	967.6	27.5	18.5	160.0	11.3	-3.9	19.6	303.5	341.3	14.0	58.0	8.0	0.
9.9	9.9	97.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	975.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3.4	11.4	465.1	953.0	26.0	17.5	136.4	13.0	-8.9	9.4	303.6	344.6	15.3	67.7	0.5	330.
1.0	13.9	659.5	925.0	23.0	16.3	140.3	12.9	-8.3	9.9	302.8	342.2	14.7	75.8	0.9	324.
1.6	14.3	937.1	903.0	21.3	15.2	147.5	11.4	-6.1	9.6	303.4	345.7	15.8	87.8	1.4	324.
2.5	18.9	1162.9	875.0	18.6	13.5	157.9	12.8	-4.8	11.8	303.1	342.3	14.6	93.3	1.9	327.
3.7	21.3	1432.4	850.0	17.2	12.4	170.1	13.2	-2.3	13.0	308.2	342.0	14.0	95.0	2.5	331.
4.1	23.9	1687.0	825.0	14.9	14.2	181.2	12.6	0.3	12.5	306.4	338.3	12.5	95.8	3.1	336.
5.1	26.5	1948.2	800.0	14.1	13.1	188.4	12.8	1.9	12.7	305.2	337.0	12.0	94.0	3.9	342.
6.1	29.1	2216.2	775.0	10.8	-36.3	194.3	13.3	3.3	12.9	319.0	314.8	0.2	1.2	4.5	347.
7.0	31.6	2487.5	750.0	19.5	-36.5	189.3	15.9	2.6	15.7	317.8	316.6	0.2	1.2	5.2	351.
7.9	34.6	2787.1	725.0	17.1	-36.0	186.0	16.7	1.7	16.6	316.2	319.0	0.2	1.4	6.1	353.
8.4	37.2	3084.4	700.0	15.2	-35.9	186.6	16.4	1.9	16.2	319.4	320.3	0.3	1.6	6.9	354.
9.2	39.9	3364.5	675.0	11.8	-36.1	187.8	17.3	2.4	17.2	318.8	319.6	0.3	2.0	8.0	356.
11.4	42.8	3703.3	650.0	9.1	-36.0	192.1	16.8	3.5	16.4	319.3	320.2	0.3	2.3	9.0	358.
13.4	45.6	4025.9	625.0	6.2	-37.3	197.2	16.5	4.9	15.7	319.6	320.5	0.2	2.6	10.1	360.
13.1	48.6	4358.0	600.0	3.0	-38.2	201.2	17.6	6.4	16.4	319.6	320.4	0.2	2.9	11.2	1.
14.4	51.6	4700.6	575.0	0.1	-39.3	206.7	18.7	7.5	16.9	320.1	320.9	0.2	3.2	12.3	4.
15.4	54.6	5056.0	550.0	-3.2	-40.6	203.5	18.4	7.3	16.9	320.3	321.0	0.2	3.6	13.6	6.
16.3	57.8	5419.4	525.0	-6.5	-42.1	196.9	19.1	5.6	16.3	320.6	321.3	0.2	3.9	14.9	7.
18.0	61.0	5798.5	500.0	-9.6	-43.6	193.5	17.8	4.2	17.3	321.3	321.9	0.2	4.3	16.2	8.
17.3	64.3	6193.2	475.0	-11.9	-44.7	193.9	16.5	4.0	16.0	323.3	323.8	0.1	4.5	17.6	8.
20.9	67.6	6694.3	450.0	-15.0	-46.4	195.2	15.5	4.1	15.0	325.4	324.9	0.1	4.8	18.8	9.
22.4	71.1	7036.1	425.0	-18.0	-48.0	202.6	17.7	6.8	16.3	325.9	326.4	0.1	5.2	20.4	9.
23.4	74.7	7404.8	400.0	-21.4	-49.8	210.9	20.0	10.3	17.2	327.6	327.9	0.1	5.5	22.1	11.
25.6	78.4	7794.9	375.0	-24.2	-51.7	212.0	20.1	10.7	17.0	329.6	329.9	0.1	5.8	24.0	12.
27.4	82.3	8187.3	350.0	-28.4	-54.2	219.2	21.4	13.1	16.6	330.5	330.8	0.1	6.3	26.1	14.
29.3	86.2	8593.1	325.0	-32.4	-56.1	224.2	22.2	15.5	15.9	332.3	332.2	0.1	7.3	28.4	17.
31.5	90.5	9003.1	300.0	-37.2	-59.1	229.3	23.0	14.5	17.8	334.9	333.1	0.0	8.1	31.1	19.
33.1	94.8	10117.7	275.0	-41.9	-61.9	219.4	21.1	13.4	16.3	336.5	335.9	99.9	999.9	33.8	21.
36.1	99.6	10775.6	250.0	-47.2	-64.9	221.4	20.3	13.4	15.2	335.9	335.9	99.9	999.9	36.7	22.
39.6	104.5	11463.3	225.0	-53.2	-67.9	226.2	20.7	14.7	14.3	337.0	337.0	99.9	999.9	39.4	24.
41.2	109.8	12213.0	200.0	-58.6	-69.9	224.2	22.9	16.3	16.4	340.0	340.0	99.9	999.9	42.6	26.
44.2	115.8	13041.7	175.0	-62.7	-69.9	226.5	31.1	22.7	21.3	346.4	346.4	99.9	999.9	46.7	28.
47.3	122.0	14007.8	150.0	-60.4	-69.9	215.7	28.5	16.5	23.1	360.7	360.7	99.9	999.9	51.5	29.
53.8	129.0	15140.6	125.0	-61.9	-69.9	216.4	26.7	15.3	21.1	382.9	382.9	99.9	999.9	58.4	30.
55.0	137.0	16516.1	100.0	-60.6	-69.9	999.9	99.9	99.9	99.9	410.6	410.6	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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

STATION NO. 39  
 WICHITA FALLS, TEXAS  
 10 MAY 1979  
 205 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POF T DG K	E POT T DG K	KA RTO GM/KG	RM PCY	RANGE KM	AZ DG
0.0	9.7	302.0	1033.0	24.3	19.6	160.0	7.7	-2.6	7.2	300.4	340.2	15.0	75.0	0.0	0.
99.9	99.9	99.9	1033.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	1033.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.5	11.2	456.6	950.0	24.0	20.3	140.5	12.1	-7.7	9.3	301.5	348.6	16.2	81.1	0.5	22.
1.3	13.7	687.4	925.0	21.1	19.0	145.1	17.5	-10.0	14.4	300.9	341.2	15.2	85.2	1.1	32.
2.0	16.1	925.3	900.0	20.3	19.2	152.3	20.4	-9.5	18.1	302.5	343.7	15.8	93.4	2.0	32.
2.9	18.6	1108.9	875.0	19.0	17.7	161.3	20.4	-6.5	19.3	303.5	343.2	14.1	92.0	3.1	32.
3.8	21.2	1418.5	850.0	17.8	16.1	169.4	18.7	-3.4	18.4	304.8	342.1	13.7	89.7	4.0	33.
4.7	23.7	1673.5	825.0	14.9	13.6	173.4	18.2	-1.5	18.1	304.3	336.9	12.0	91.9	5.0	33.
5.6	26.3	1935.1	800.0	19.0	-14.4	191.5	15.6	3.1	15.3	311.4	319.0	2.6	10.1	5.9	34.
6.5	29.0	2203.1	775.0	22.0	-36.5	198.3	5.5	15.4	15.4	317.5	318.3	0.2	1.0	6.5	34.
7.4	31.7	2491.5	750.0	19.3	-33.0	192.9	16.4	3.7	16.0	317.5	318.7	0.3	1.0	7.3	34.
8.3	34.4	2781.0	725.0	17.2	-32.4	193.2	16.6	3.8	16.2	318.3	318.9	0.2	1.0	8.2	35.
9.3	37.1	3077.9	700.0	14.2	-20.3	198.7	17.5	4.4	16.9	318.2	319.9	0.5	3.5	9.1	35.
10.4	40.0	3382.4	675.0	11.3	-43.0	197.3	18.1	5.4	17.3	318.2	318.7	0.1	1.0	10.2	35.
11.5	42.9	3695.4	650.0	9.6	-44.6	198.8	19.5	6.3	18.5	318.7	319.1	0.1	1.0	11.4	35.
12.6	45.8	4017.0	625.0	5.5	-32.6	201.4	19.9	7.2	18.5	318.7	320.3	0.4	5.0	12.6	1.
13.8	48.8	4349.6	600.0	3.3	-32.6	201.4	20.8	7.6	19.3	320.0	321.4	0.4	5.1	14.0	3.
14.9	51.8	4692.1	575.0	-0.4	-35.3	194.2	21.4	7.0	20.2	319.5	320.7	0.3	5.0	15.3	5.
16.0	54.9	5035.8	550.0	-2.6	-39.1	197.8	20.0	6.1	19.0	321.0	321.9	0.2	4.0	16.7	6.
17.3	58.0	5413.3	525.0	-4.6	-48.3	202.4	20.1	7.7	18.6	322.9	323.2	0.1	1.7	18.1	7.
18.5	61.3	5795.5	500.0	-7.5	-51.1	207.3	20.8	9.5	18.5	323.9	324.2	0.1	1.6	19.4	8.
19.6	64.6	6192.3	475.0	-10.4	-47.4	212.7	20.6	11.1	17.3	325.1	325.4	0.1	2.4	20.8	9.
20.8	68.0	6605.1	450.0	-13.8	-48.0	220.1	18.1	11.6	13.0	325.9	326.3	0.1	3.3	22.0	11.
22.3	71.4	7036.7	425.0	-16.9	-47.7	219.4	17.2	10.9	13.3	327.3	327.7	0.1	4.9	23.3	13.
23.8	75.0	7487.9	400.0	-20.8	-45.4	215.4	16.4	10.8	15.2	328.0	328.6	0.2	8.8	24.8	15.
25.3	79.7	7962.6	375.0	-23.7	-53.6	222.4	19.0	12.8	14.0	330.2	330.5	0.1	4.4	26.5	16.
27.1	82.7	8402.2	350.0	-28.0	-52.1	224.0	19.7	13.7	14.2	331.0	331.2	0.1	7.8	28.2	18.
29.9	86.7	8959.5	325.0	-32.2	-54.9	227.6	18.5	13.6	12.5	332.3	332.6	0.1	8.3	30.0	20.
30.8	90.9	9548.9	300.0	-36.0	-58.2	227.6	19.7	14.6	13.4	333.4	333.6	0.1	8.8	32.0	22.
33.0	95.2	10145.3	275.0	-41.7	99.9	221.9	18.8	12.6	14.0	334.0	334.0	99.9	99.9	34.4	23.
35.3	99.8	10783.6	250.0	-47.1	99.9	224.4	18.8	12.2	14.3	334.0	334.0	99.9	99.9	36.8	24.
37.7	104.6	11471.4	225.0	-53.3	99.9	225.4	18.5	13.2	13.0	336.9	336.9	99.9	99.9	39.5	26.
40.3	110.0	12217.0	200.0	-57.4	99.9	229.0	22.0	14.6	14.5	338.7	338.7	99.9	99.9	42.3	21.
43.1	115.8	13044.0	175.0	-64.4	99.9	231.7	24.1	19.6	13.9	343.0	343.0	99.9	99.9	45.8	29.
46.2	122.0	14003.1	150.0	-60.5	99.9	226.4	25.7	18.6	17.7	365.9	365.9	99.9	99.9	50.2	31.
50.0	129.0	15133.6	125.0	-64.0	99.9	222.8	24.5	16.6	18.0	379.1	379.1	99.9	99.9	55.6	33.
54.5	137.0	16490.6	100.0	-63.8	99.9	99.9	99.9	99.9	99.9	401.0	401.0	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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STATION NO. 39  
WICHITA FALLS, TEXAS

10 MAY 1979  
055 GMT

04 540. 0

TIME MIN	GMTCT	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V CO'P M/SEC	POF T DG K	E POT T DG K	MR RTO CM/RG	RM PCT	RANGE KS	AZ DG
00	90.0	302.0	967.2	23.5	20.0	160.0	10.3	-3.5	9.7	299.5	340.3	15.5	81.0	0.0	0.
00	90.0	99.0	1000.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
00	90.0	99.0	975.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
05	11.0	459.4	950.0	23.0	20.5	156.3	14.6	-5.9	13.4	300.5	343.5	16.3	86.0	0.5	344.
13	13.6	692.5	925.7	21.3	20.0	159.9	17.6	-6.1	16.5	301.4	344.0	16.2	92.5	1.3	340.
20	15.9	429.4	902.0	19.3	18.4	164.5	21.1	-5.6	20.3	301.4	341.3	15.0	94.7	2.1	341.
27	18.3	1172.6	875.0	17.8	17.0	167.0	23.2	-5.2	22.6	302.3	340.0	14.1	94.9	2.9	342.
33	20.7	1421.0	850.0	16.6	15.9	169.7	20.7	-3.7	20.4	303.6	340.1	13.5	95.3	3.8	343.
42	23.2	1675.8	825.0	15.5	13.2	173.7	19.2	-2.1	19.0	303.0	337.2	11.8	86.9	6.8	345.
52	25.7	1934.2	800.0	14.2	-0.6	164.6	17.6	1.4	17.7	303.5	323.9	9.0	32.6	5.9	347.
62	28.2	2210.4	775.0	12.2	-17.6	200.7	16.4	6.5	17.2	315.5	316.2	0.2	1.0	6.9	352.
73	30.9	2491.3	750.0	10.5	-38.6	201.1	17.3	6.2	16.2	316.7	317.3	0.2	1.0	7.9	356.
83	33.5	2780.4	725.0	10.8	-39.7	199.1	18.3	6.0	17.3	317.9	318.5	0.2	1.0	8.9	359.
92	36.1	3076.9	700.0	11.1	-41.3	200.6	19.1	6.7	17.9	318.1	318.6	0.1	1.0	9.9	1.
105	39.0	3381.5	675.0	11.4	-42.7	198.2	19.8	6.2	18.9	318.4	318.9	0.1	1.0	11.2	3.
115	41.7	3694.5	650.0	6.6	-44.6	193.1	23.0	5.2	22.4	318.7	319.4	0.1	1.0	14.0	5.
126	44.4	4016.5	625.0	5.7	-46.4	192.5	21.0	4.5	20.5	319.0	319.4	0.1	1.0	14.0	5.
138	47.3	4348.0	600.0	2.8	-48.2	199.9	19.9	99.9	99.9	319.4	319.7	0.1	1.0	999.9	999.
149	50.3	4690.5	575.0	0.7	-49.5	199.9	19.9	99.9	99.9	320.8	321.1	0.1	1.0	999.9	999.
159	52.9	4999.9	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.
169	55.9	5299.9	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.
179	58.9	5599.9	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.
189	61.9	5899.9	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.
199	64.9	6199.9	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.
209	67.9	6499.9	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.
219	70.9	6799.9	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.
229	73.9	7099.9	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.
239	76.9	7399.9	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.
249	79.9	7699.9	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.
259	82.9	7999.9	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.
269	85.9	8299.9	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.
279	88.9	8599.9	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.
289	91.9	8899.9	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.
299	94.9	9199.9	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.
309	97.9	9499.9	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.
319	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.
329	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.
339	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.
349	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.
359	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.
369	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.

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STATION NO. 39  
WICHITA FALLS, TEXAS

10 MAY 1979  
1105 GMT

123 98. 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 Y OG K	E POT Y OG K	WX RTO GM/KG	HM PCT	RANGE NM	AZ DG
0-0	9-3	302.0	969.1	22.0	20.3	180.0	7.7	-2.6	7.2	297.8	338.8	15.7	90.0	0.0	0.
00.0	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
0-5	10-9	476.0	950.0	22.4	20.0	162.6	12.5	-3.0	12.0	259.9	341.3	15.7	85.4	0.4	332.
1-3	13-3	708.4	925.0	20.7	18.7	169.8	14.0	-2.5	13.7	300.4	340.0	14.9	80.8	1.0	339.
2-3	15-5	945.4	900.0	19.7	18.0	183.8	15.5	1.0	15.5	301.8	340.7	14.6	89.7	1.7	346.
2-8	17-9	1188.9	875.0	18.3	16.7	196.9	16.6	4.8	15.7	302.8	339.0	13.8	90.3	2.4	354.
3-5	20-3	1438.0	850.0	17.8	15.8	204.5	15.7	6.5	14.3	303.0	340.3	13.4	92.4	3.0	360.
4-4	22-7	1693.0	825.0	15.5	14.4	216.2	14.8	8.8	12.0	305.0	339.3	12.6	93.0	3.7	6.
5-1	25-2	1954.2	800.0	14.0	12.9	219.8	14.4	10.5	12.6	306.0	338.3	11.8	93.1	4.4	12.
6-3	27-6	2222.6	775.0	12.5	11.4	218.8	16.3	10.2	12.7	307.3	337.9	11.1	93.0	5.1	16.
6-8	30-1	2497.5	750.0	10.4	7.2	218.6	16.4	10.2	12.8	307.9	331.9	8.5	80.5	5.8	19.
7-7	32-6	2783.5	725.0	10.2	5.0	217.4	17.0	10.3	13.5	317.6	332.3	7.6	70.3	6.7	22.
8-7	35-2	3071.9	700.0	8.8	-1.1	212.3	18.1	9.7	15.3	312.3	327.3	5.1	50.4	7.6	23.
9-6	37-8	3372.9	675.0	8.5	-12.9	206.8	18.7	6.4	16.7	315.2	321.8	2.1	20.6	8.7	24.
10-6	40-6	3683.1	650.0	5.8	-18.3	207.2	17.8	8.1	15.9	315.5	320.1	1.4	16.2	9.8	24.
11-6	43-2	4002.4	625.0	3.4	-22.5	209.9	16.5	8.2	14.3	316.3	319.6	1.0	12.9	10.8	25.
12-7	46-0	4331.4	600.0	0.3	-28.1	210.1	15.9	8.0	13.8	315.4	318.6	0.6	9.7	11.8	25.
13-9	48-9	4670.8	575.0	-2.6	-27.9	211.4	14.4	9.6	13.7	317.0	319.2	0.7	12.1	12.9	26.
14-0	51-9	5021.3	550.0	-5.0	-31.4	208.7	19.4	9.3	17.0	318.2	319.9	0.5	10.4	14.4	26.
15-3	54-9	5365.6	525.0	-6.7	-33.3	199.0	20.1	6.6	19.0	320.3	321.9	0.4	9.9	15.9	26.
17-6	57-9	5764.8	500.0	-9.0	-33.4	199.9	21.8	7.4	20.5	322.0	322.2	0.1	1.3	17.5	25.
19-2	61-0	6153.4	475.0	-13.2	-40.6	206.6	24.0	10.7	21.5	321.7	322.5	0.2	7.6	19.6	25.
20-6	64-3	6568.4	450.0	-15.6	-39.6	215.7	25.1	14.6	20.4	323.6	324.6	0.3	10.7	21.8	26.
22-3	67-6	6998.2	425.0	-17.1	-55.8	217.2	25.7	15.5	20.5	327.1	327.3	0.1	2.5	24.3	27.
23-9	71-1	7450.2	400.0	-20.3	-82.9	211.4	23.7	12.3	20.2	328.6	328.7	0.0	1.0	26.6	28.
25-6	74-6	7924.3	375.0	-24.3	-65.4	205.9	21.8	9.5	19.6	329.5	329.5	0.0	1.0	29.0	28.
27-4	78-3	8423.8	350.0	-27.4	-67.5	208.1	22.0	10.4	19.4	331.8	331.8	0.0	1.0	31.3	27.
29-2	82-2	8931.9	325.0	-32.3	-68.9	212.5	21.2	11.4	17.9	332.2	332.2	0.0	1.6	33.6	28.
31-1	86-2	9510.8	300.0	-37.0	-55.0	215.0	20.2	11.6	16.5	333.2	333.5	0.1	14.1	35.9	28.
31-5	90-4	10106.3	275.0	-42.1	99.9	218.7	21.1	13.3	16.4	336.3	336.9	0.9	99.9	38.9	29.
31-0	94-8	10744.5	250.0	-46.9	99.9	213.1	20.8	11.4	17.4	338.3	338.9	0.9	99.9	42.1	29.
34-3	97-6	11431.8	225.0	-54.8	99.9	210.1	22.1	11.1	19.1	337.6	337.6	0.9	99.9	44.9	29.
40-6	104-8	12182.7	203.0	-59.4	99.9	208.2	27.1	12.0	23.9	338.7	338.7	0.9	99.9	48.0	29.
41-9	112-2	13107.0	175.0	-65.4	91.4	214.5	27.2	15.4	22.4	347.1	347.1	0.9	99.9	51.9	29.
46-1	116-1	13994.5	150.0	-62.3	99.9	228.4	28.9	21.6	19.2	362.8	362.8	0.9	99.9	57.2	31.
50-3	121-0	15073.4	125.0	-68.0	99.9	221.7	28.6	17.6	19.8	375.4	375.4	0.9	99.9	63.5	33.
55-6	130-3	16428.6	103.0	-65.6	99.9	99.9	99.9	99.9	99.9	400.9	400.9	0.9	99.9	99.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.
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	99.9	99.9	999.
99.0	99.0	99.0	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.

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

STATION NO. 10030  
HEALDTON, OKLAHOMA  
9 MAY 1979  
1538 GMT

TIME MIN	CMCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PWT T DG K	E POT T DG K	WX RTD GM/KG	RM %CT	RANGE KM	AZ DG
0.0	0.3	291.0	972.5	23.0	16.1	150.0	6.2	-3.1	5.4	238.5	330.2	11.9	65.0	0.0	0.
99.9	99.9	94.9	1009.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.5	11.5	495.1	959.0	21.2	16.2	163.6	10.5	-3.0	10.0	298.7	331.5	12.4	73.4	0.2	339.
1.3	13.9	725.9	925.0	19.1	15.9	175.4	12.2	-1.8	12.2	298.9	331.6	12.3	61.2	0.7	304.
2.1	16.4	961.7	908.0	17.7	15.3	191.4	14.1	2.8	13.8	299.7	332.6	12.3	85.8	1.3	356.
2.8	18.8	1202.7	879.0	16.4	14.4	208.3	16.2	6.7	18.7	300.8	332.7	11.9	88.1	2.0	3.
3.6	21.4	1443.7	850.0	14.9	13.7	211.3	16.5	8.6	19.1	301.8	333.6	11.7	92.3	2.7	10.
4.4	23.8	1702.4	825.0	13.1	12.0	212.3	15.6	8.3	13.1	302.5	331.7	10.8	93.0	3.4	15.
5.3	26.4	1961.2	800.0	11.7	-9.4	209.2	14.7	5.1	13.7	303.6	320.5	6.2	84.0	4.2	18.
6.2	29.0	2224.2	775.0	10.2	-38.8	192.6	15.9	3.5	15.5	313.4	314.0	0.2	1.0	5.0	17.
7.2	31.7	2509.0	750.0	17.2	-20.1	191.6	15.1	3.8	16.8	315.3	316.6	1.0	6.3	5.9	16.
8.0	34.3	2796.8	725.0	15.7	-21.1	193.6	14.1	3.3	13.7	316.7	319.9	1.0	6.4	6.7	16.
9.0	37.0	3092.4	700.0	13.1	-14.7	200.3	14.8	5.1	13.9	317.1	322.6	1.7	12.9	7.5	16.
10.0	39.9	3396.3	675.0	10.6	-23.2	203.2	13.7	5.4	12.6	317.5	320.4	0.9	7.4	8.3	16.
10.9	42.7	3703.7	650.0	7.9	-23.8	201.9	14.2	5.3	13.2	317.9	320.8	0.9	6.4	9.1	17.
11.9	45.6	4030.0	625.0	4.7	-24.1	200.6	13.2	4.6	12.4	317.9	320.8	0.9	10.1	9.9	17.
13.0	48.6	4363.5	600.0	1.4	-23.2	199.4	13.6	4.5	12.8	317.7	321.0	1.0	16.0	10.6	18.
14.1	51.5	4701.0	575.0	-2.0	-20.9	198.6	14.1	4.7	13.2	317.7	321.6	1.3	21.9	11.7	18.
15.2	54.5	5052.4	550.0	-4.6	-47.9	201.9	14.6	5.4	13.5	318.6	319.0	0.1	2.0	12.6	18.
16.4	57.6	5416.3	525.0	-7.4	-52.2	200.3	15.3	5.3	14.3	319.5	319.7	0.1	1.4	13.7	18.
17.6	60.9	5794.4	500.0	-9.7	-56.1	197.2	14.2	4.2	13.6	321.2	321.3	0.0	1.0	14.8	18.
18.7	64.1	6188.0	475.0	-12.7	-58.0	192.1	13.2	2.8	12.9	322.3	322.4	0.0	1.0	15.9	18.
20.2	67.6	6598.1	450.0	-15.7	-53.9	191.4	10.6	2.1	10.4	323.5	323.6	0.0	1.0	16.7	18.
21.4	70.9	7026.3	425.0	-18.8	-58.7	194.8	10.8	2.8	10.4	324.9	325.0	0.0	1.5	17.6	17.
23.2	74.6	7475.5	400.0	-21.4	-62.6	207.6	12.7	5.9	11.2	327.2	327.3	0.0	1.1	18.7	18.
24.8	78.2	7947.9	375.0	-25.2	-66.0	229.9	12.8	9.0	9.1	328.2	328.3	0.0	1.0	19.9	19.
26.7	82.1	8445.2	350.0	-29.1	-69.6	231.7	13.9	11.2	8.2	329.6	329.6	0.0	1.0	21.1	21.
28.7	86.2	8973.1	325.0	-33.6	-67.5	230.2	15.3	11.8	9.8	330.4	330.5	0.0	1.8	22.6	23.
30.7	90.3	9526.9	300.0	-37.8	-65.3	223.7	14.2	9.8	10.3	332.0	332.1	0.0	3.8	24.3	25.
32.4	94.7	10120.1	275.0	-42.6	99.9	223.9	14.5	10.0	10.4	333.3	999.9	99.9	999.9	26.0	26.
35.2	99.4	10757.1	250.0	-47.4	99.9	225.6	15.7	11.2	11.0	335.7	999.9	99.9	999.9	27.9	27.
37.2	104.4	11444.8	225.0	-53.2	99.9	235.2	16.0	13.2	9.1	336.9	999.9	99.9	999.9	29.9	29.
39.8	109.6	12142.7	200.0	-59.2	94.9	235.5	17.3	14.2	9.8	339.1	999.9	99.9	999.9	32.2	31.
42.6	115.5	13026.2	175.0	-66.2	99.9	242.4	19.8	17.5	9.2	353.9	999.9	99.9	999.9	35.0	34.
45.7	121.8	13974.2	150.0	-60.3	99.9	223.1	18.7	13.2	13.2	368.3	999.9	99.9	999.9	38.1	35.
49.4	128.0	15128.1	125.0	-61.3	99.9	225.1	20.6	14.6	16.5	364.1	999.9	99.9	999.9	42.5	36.
53.5	137.0	16305.0	100.0	-63.5	99.9	99.9	99.9	99.9	99.9	405.1	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

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

## APPENDIX II

AVE-SESAME IV Sounding Data  
with Abnormal Characteristics  
Presented at 25-mb Intervals



STATION NO. 20  
D , OKLAHOMA

9 MAY 1958 GMT

TIME MIN	CNTCT	WEIGHT G/M	PRES MB	TEMP DG C	WIND DG C	DIR DG	RED SEC	U. COR M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MR RTO G/M KG	RM PCT	RANGE KM	AZ DG
0.0	9.7	312.0	968.4	19.9	16.7	9.9	2.1	99.7	99.9	295.8	328.9	12.7	83.0	999.9	999.9
9.9	9.9	59.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
9.9	9.9	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	999.9
9.9	9.9	99.9	975.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	950.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	925.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	925.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	900.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	875.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	850.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	825.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	800.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	775.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	750.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	725.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	700.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	675.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	650.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	625.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	600.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	575.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	550.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	525.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	500.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	475.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	450.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	425.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	400.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	375.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	350.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	325.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	300.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	275.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	250.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	225.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	200.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	175.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	150.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	125.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	100.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	75.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	50.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9
9.9	9.9	99.9	25.0	19.1	16.5	99.9	99.9	99.9	99.9	295.6	378.5	12.6	90.6	999.9	999.9

9 BY SLEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DG  
 9 BY TRM MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 99 BY SOLCJ MEANS ELEVATION ANGLE LESS THAN 6 DEG

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 OF POOR QUALITY

STATION NO. 20  
ADA, OKLAHMA  
9 MAY 1579  
1730 GMT

110 92. 0

TIME MIN	CNTCT	HEIGHT FEM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP' M/SEC	V COMP M/SEC	POT V OG K	E POT V DG K	MR RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	0.7	312.3	969.6	25.4	16.3	170.0	8.2	-1.4	8.1	301.2	333.7	12.1	57.0	0.0	0.
00.0	33.9	93.9	1000.0	7.3	93.9	99.9	99.9	99.9	99.9	99.9	99.9	95.9	999.9	999.9	999.9
00.0	44.1	97.9	975.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	95.9	999.9	999.9	999.9
00.0	10.5	422.3	950.0	21.0	15.0	179.0	7.4	-0.0	7.4	299.3	329.8	11.4	55.6	0.5	34.0
00.0	12.5	713.5	925.0	19.9	14.5	182.5	10.6	0.5	10.6	299.7	330.0	11.3	71.2	0.5	35.2
00.0	14.9	932.3	930.0	17.4	15.1	193.6	12.2	2.9	11.8	299.5	330.0	12.1	66.3	1.0	35.9
00.0	17.1	1200.0	975.0	15.4	14.0	201.7	15.0	5.0	14.0	299.8	330.7	11.6	90.5	2.0	5.
00.0	19.4	1446.3	850.0	13.8	12.5	205.6	17.5	7.4	15.9	300.6	329.5	10.8	91.0	2.8	10.
00.0	21.6	1697.6	975.0	11.9	13.6	193.2	20.4	4.4	19.4	301.1	327.6	9.0	92.2	3.7	14.
00.0	24.0	1266.7	403.0	10.5	-9.0	189.4	22.4	0.	21.7	309.8	316.1	2.4	16.4	4.0	14.
00.0	26.4	2272.4	775.0	17.5	-15.9	183.9	24.4	-1.	21.2	312.7	317.2	1.4	4.9	5.0	13.
00.0	28.7	2526.1	750.0	16.1	-14.5	189.7	20.5	1.	20.2	314.8	319.3	1.7	10.9	6.9	12.
00.0	31.1	2742.6	725.0	14.0	-14.5	192.6	15.4	4.1	19.0	316.8	320.3	1.7	12.4	7.9	12.
00.0	33.5	3047.0	703.0	11.9	-14.5	156.8	18.3	5.1	17.5	315.7	321.6	1.9	14.9	9.2	12.
00.0	35.9	3186.9	675.0	9.8	-12.7	157.4	16.3	4.9	15.9	316.7	323.4	2.1	18.5	10.3	13.
00.0	38.3	3713.6	650.0	6.8	-11.3	157.9	14.6	4.0	13.9	316.7	323.1	2.0	11.3	11.3	13.
00.0	40.7	4213.3	625.0	4.2	-16.3	203.5	16.1	5.5	15.1	317.2	322.7	1.7	20.7	12.3	14.
00.0	43.1	4313.3	600.0	1.0	-18.2	203.9	15.9	6.5	14.5	317.3	322.2	1.5	22.2	13.3	14.
00.0	45.5	4313.3	575.0	-2.2	-19.2	203.9	17.1	7.5	15.4	317.4	322.2	1.5	26.7	14.4	15.
00.0	47.9	4313.3	550.0	-5.7	-19.7	205.2	19.4	8.1	17.6	317.3	322.0	1.5	32.1	15.6	16.
00.0	50.3	4313.3	525.0	-8.6	-27.4	205.9	20.4	8.7	18.4	318.1	320.7	0.8	20.2	17.0	17.
00.0	52.7	4313.3	500.0	-11.0	-32.9	206.1	21.7	9.5	19.5	319.7	321.3	0.5	14.5	18.7	18.
00.0	55.1	4313.3	475.0	-13.8	-36.3	203.8	18.1	6.5	14.8	320.8	322.1	0.4	13.3	20.1	19.
00.0	57.5	4313.3	450.0	-14.7	-40.3	196.9	11.9	4.5	11.4	323.4	323.4	0.3	10.2	21.1	19.
00.0	59.9	4313.3	425.0	-14.9	-42.3	200.7	12.0	4.2	11.3	324.7	323.5	0.2	10.5	22.1	19.
00.0	62.3	4313.3	400.0	-22.4	-44.2	215.1	14.1	8.1	11.6	325.9	323.8	0.2	10.9	23.1	19.
00.0	64.7	4313.3	375.0	-25.7	-47.2	230.5	17.4	13.3	11.0	327.6	328.2	0.1	11.2	24.3	20.
00.0	67.1	4313.3	350.0	-29.3	-47.4	233.5	19.3	15.1	11.5	329.3	329.7	0.1	11.6	25.7	22.
00.0	69.5	4313.3	325.0	-33.6	-51.0	228.4	20.6	15.5	13.7	330.4	330.7	0.1	12.0	27.4	24.
00.0	71.9	4313.3	300.0	-39.4	-56.4	230.0	18.3	14.3	11.9	331.2	331.5	0.1	12.0	29.3	26.
00.0	74.3	4313.3	275.0	-43.6	-59.0	235.5	16.9	14.1	9.3	332.1	999.9	99.9	999.9	30.9	27.
00.0	76.7	4313.3	250.0	-44.5	-54.2	220.5	19.4	14.1	12.8	333.9	999.9	99.9	999.9	32.7	29.
00.0	79.1	4313.3	225.0	-48.5	-54.2	234.4	19.1	15.1	11.1	335.5	999.9	99.9	999.9	34.7	30.
00.0	81.5	4313.3	200.0	-52.9	-54.2	243.2	21.6	19.6	9.1	338.0	999.9	99.9	999.9	36.7	32.
00.0	83.9	4313.3	175.0	-58.3	-55.3	241.3	24.1	21.1	11.6	350.4	999.9	99.9	999.9	39.3	35.
00.0	86.3	4313.3	150.0	-61.4	-51.4	224.5	28.8	18.1	19.1	366.4	999.9	99.9	999.9	42.5	36.
00.0	88.7	4313.3	125.0	-63.6	-52.6	230.7	26.1	20.2	16.5	395.3	999.9	99.9	999.9	46.7	37.
00.0	91.1	4313.3	100.0	-63.0	-54.9	999.9	99.9	99.9	99.9	426.1	999.9	99.9	999.9	999.9	999.9
00.0	93.5	4313.3	75.0	-64.9	-54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
00.0	95.9	4313.3	50.0	-64.9	-54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
00.0	98.3	4313.3	25.0	-64.9	-54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9
00.0	100.7	4313.3	0.0	-64.9	-54.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	999.9

0.0 BY SPED MEANS ELEVATION ANGLE BETWEEN 0 AND 10 DEG  
0.0 BY LEAD MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED  
0.0 BY SPED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO 23  
CHEYENNE, OKLAHOMA

9 MAY 1979

123 101. 0

TIME MIN	CNTCT	WEIGHT GDM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PQT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE NM	AZ DG
0.0	13.4	621.0	933.0	21.0	17.6	160.0	6.2	-2.5	7.7	300.3	337.0	13.8	81.0	0.0	0.
59.0	99.9	94.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	850.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	825.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	800.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	775.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	750.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	725.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	700.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	675.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	650.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	525.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	500.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

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

STATION NO. 23  
 CHEYENNE, OKLAHOMA  
 9 MAY 1979 1405 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	NH PCT	RANGE KM	AZ DG
0.3	13.3	621.0	930.1	22.0	17.8	240.0	10.3	8.9	5.2	301.3	338.5	13.9	77.0	0.0	0.
9.3	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	999.9
5.3	5.3	45.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
5.3	5.3	95.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	13.7	669.0	925.0	22.0	19.2	167.4	6.1	1.0	8.0	301.8	342.9	15.4	84.7	0.1	354.
0.3	16.1	376.9	909.0	19.5	18.7	170.2	18.6	-2.9	16.6	301.6	342.4	15.3	95.3	0.4	344.
1.7	13.5	117.0	875.0	18.7	17.6	169.1	20.5	2.0	20.3	303.2	342.7	14.7	93.5	1.5	353.
2.5	2.9	1395.9	850.0	18.4	17.2	205.5	18.5	8.0	16.7	305.4	345.2	14.7	92.7	2.3	3.
3.3	2.3	165.5	825.0	17.3	14.7	214.4	17.4	9.4	14.4	305.9	342.3	12.9	85.0	3.2	11.
4.3	2.8	191.1	800.0	15.7	12.7	220.1	14.4	9.3	11.0	307.9	340.1	11.6	82.0	4.0	17.
5.1	2.3	2199.3	775.0	16.0	-5.7	218.9	10.2	6.7	8.0	311.0	320.7	3.2	22.1	4.6	20.
6.3	3.9	2427.4	750.0	15.8	-5.3	205.6	7.8	3.4	7.0	313.8	324.2	3.4	22.8	4.9	21.
6.7	3.3	2754.5	725.0	14.4	-7.9	199.3	11.8	3.9	11.1	315.3	324.3	2.9	20.5	5.4	21.
7.3	3.1	3045.8	700.0	13.4	-12.2	196.7	16.2	4.7	15.6	317.3	324.1	2.1	15.6	6.1	20.
8.3	3.0	3374.3	675.0	11.4	-15.6	196.6	20.6	5.4	19.7	318.5	323.9	1.7	13.4	7.0	20.
9.3	4.5	3661.3	650.0	9.4	-17.3	195.3	23.2	6.1	22.3	319.6	324.5	1.5	11.3	8.1	19.
10.3	4.4	3971.3	625.0	6.9	-18.4	192.1	28.0	4.1	21.5	320.3	325.0	1.4	14.5	9.5	19.
11.3	3.3	4375.6	600.0	4.7	-16.7	187.5	21.7	2.0	21.5	321.6	327.2	1.7	19.3	11.0	18.
12.5	3.2	4673.4	575.0	1.1	-17.2	182.6	22.5	1.0	22.5	321.3	326.9	1.7	24.0	12.5	16.
13.7	3.2	5077.6	550.0	-2.0	-17.2	182.6	22.4	1.0	22.4	321.7	327.6	1.8	30.0	14.0	14.
15.0	3.3	5397.9	525.0	-4.0	-25.0	151.0	23.3	4.1	22.9	323.6	326.9	0.9	17.6	15.7	13.
16.3	5.3	5776.2	500.0	-7.5	-23.3	194.6	22.2	5.1	21.5	323.6	327.7	1.2	27.4	17.7	14.
17.7	2.5	6171.2	475.0	-13.8	-21.3	196.4	22.2	6.1	21.3	324.6	329.5	1.5	41.7	19.4	14.
19.1	6.5	6596.4	450.0	-14.1	-22.3	200.7	21.1	7.5	19.7	325.5	330.2	1.4	49.5	21.3	14.
20.6	6.4	7019.2	425.0	-17.1	-23.7	199.6	21.4	7.2	20.2	327.0	331.5	1.3	56.6	23.1	15.
22.1	7.2	7473.4	400.0	-21.3	-24.1	205.0	21.5	9.1	19.5	327.3	331.8	1.4	78.0	25.1	15.
23.4	7.6	7942.5	375.0	-24.6	-34.4	209.4	23.6	11.6	20.5	329.1	331.0	0.5	39.7	27.2	16.
25.7	4.3	8442.7	350.0	-26.6	-39.7	204.1	24.6	10.1	22.5	324.9	334.2	0.3	27.7	29.4	17.
27.9	4.3	8973.5	325.0	-33.2	-47.2	203.5	23.5	9.1	21.6	325.0	335.7	0.2	17.2	33.1	18.
30.0	8.3	9517.1	300.0	-34.9	-52.1	207.4	24.9	11.5	22.1	326.2	336.6	0.1	15.2	35.1	18.
31.9	4.2	10133.4	275.0	-40.2	99.9	211.1	24.9	12.8	21.3	327.0	339.9	99.9	999.9	39.0	19.
34.1	9.7	10742.2	250.0	-45.3	99.9	208.3	25.6	12.1	22.6	328.8	343.9	99.9	999.9	42.3	20.
36.5	1.2	11376.1	225.0	-51.1	99.9	210.3	27.9	14.1	24.1	330.2	349.9	99.9	999.9	46.0	21.
39.0	1.7	12222.9	200.0	-55.7	99.9	218.0	33.6	20.7	24.5	345.4	349.9	99.9	999.9	50.5	22.
41.5	1.3	13076.0	175.0	-59.1	99.9	220.7	32.9	21.4	24.9	352.3	349.9	99.9	999.9	55.3	23.
44.6	1.2	14246.3	150.0	-55.9	99.9	210.3	28.4	14.1	24.6	373.8	349.9	99.9	999.9	60.1	25.
48.3	1.7	15204.4	125.0	-56.7	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	67.2	25.
52.6	1.3	16114.7	100.0	-56.4	99.9	99.9	99.9	99.9	99.9	418.8	999.9	99.9	999.9	999.9	999.9
57.9	9.9	99.9	75.0	99.9	94.3	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
59.0	9.9	99.9	50.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
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	999.9

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

STATION NO. 23  
CHEYENNE, OKLAHOMA

9 MAY 1979  
1705 GMT

114 99. 0

TIME MIN	CUTCY	WEIGHT T/PM	PRES MB	TEMP DG C	WIND PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PQT T DG K	E POT T DG K	MR STD GM/KG	RH PCT	RANGE KM	AZ DG
0.0	12.9	621.0	930.7	26.2	17.6	240.0	10.3	8.5	5.2	305.6	342.9	13.7	59.0	0.0	0.
99.9	99.9	1000.0	999.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
55.5	59.9	99.9	975.0	99.9	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
59.9	59.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0.2	13.2	675.3	925.0	25.2	17.4	178.7	5.6	-0.1	5.6	305.1	347.1	15.6	70.4	0.1	355.
0.9	15.5	916.1	900.0	22.8	19.2	176.0	9.8	-0.7	9.8	305.1	347.1	15.6	70.4	0.1	355.
1.7	17.7	1171.6	875.0	20.6	18.6	184.3	12.2	0.9	12.1	305.2	347.4	15.6	68.5	1.0	357.
2.0	20.0	1412.3	850.0	18.3	17.2	199.5	10.0	3.3	9.5	305.3	345.1	14.7	63.2	1.5	3.
3.5	22.4	1665.0	825.0	17.2	16.1	207.8	10.9	5.1	9.6	306.6	345.4	14.2	63.6	2.0	0.
4.3	24.7	1931.9	800.0	15.4	14.3	215.3	10.7	6.2	8.7	307.5	343.3	13.0	67.3	2.5	13.
5.3	27.1	2231.2	775.0	13.7	7.8	216.9	11.6	7.1	9.5	308.5	333.0	6.7	68.3	3.1	18.
6.3	29.5	2476.0	750.0	14.3	-7.3	214.5	13.0	7.4	10.7	312.1	321.0	2.9	21.7	3.6	21.
7.3	31.9	2763.3	725.0	13.3	-12.1	202.3	12.5	4.7	11.5	314.1	320.6	2.1	15.9	4.7	23.
8.5	34.4	3057.6	700.0	12.5	-19.4	195.1	15.3	4.0	14.6	316.4	320.2	1.2	9.1	5.5	22.
9.6	37.0	3351.6	675.0	11.6	-27.7	194.8	21.6	5.4	20.9	318.6	320.6	0.6	4.6	6.6	21.
10.5	39.5	3645.6	650.0	9.7	-28.6	193.8	25.4	6.0	24.6	320.0	321.9	0.6	4.8	8.1	20.
11.5	42.2	3939.2	625.0	6.8	-30.0	194.8	24.7	6.3	23.9	320.3	322.0	0.5	5.1	9.5	19.
12.4	44.8	4232.5	600.0	4.1	-31.4	196.7	24.2	6.8	23.3	320.6	322.4	0.5	5.3	10.9	18.
13.4	47.6	4526.8	575.0	1.4	-32.8	192.9	23.2	5.7	22.6	321.7	323.2	0.4	5.6	12.3	18.
14.3	50.3	4821.2	550.0	-1.5	-34.5	188.1	22.0	3.1	21.8	322.3	323.6	0.4	5.9	13.6	17.
15.5	53.2	5115.2	525.0	-4.8	-35.6	187.7	22.7	3.1	22.5	322.6	323.9	0.3	6.9	15.1	16.
16.8	56.1	5409.2	500.0	-6.5	-31.1	189.3	23.5	3.8	23.2	325.1	327.1	0.6	12.0	16.9	15.
18.3	59.1	5703.4	475.0	-10.4	-33.3	192.5	24.5	4.5	24.1	325.2	326.9	0.5	13.3	19.0	15.
19.3	62.3	6000.4	450.0	-13.2	-26.0	191.3	26.7	5.2	26.2	326.7	330.2	1.0	33.3	21.4	14.
21.2	65.4	6297.4	425.0	-16.4	-24.2	186.4	23.3	6.6	22.3	324.0	332.3	1.3	53.7	23.5	14.
22.9	68.7	6594.4	400.0	-19.4	-24.5	201.3	24.2	8.8	22.6	329.8	331.6	0.5	24.6	25.6	15.
24.3	72.1	6891.7	375.0	-22.7	-26.6	199.2	24.9	8.2	23.5	331.6	333.2	0.4	26.6	28.5	15.
26.7	75.6	7188.7	350.0	-26.0	-21.9	202.3	26.5	10.1	24.5	333.7	334.7	0.3	20.9	31.5	16.
28.3	79.3	7485.2	325.0	-29.0	-26.3	207.1	27.0	12.3	24.0	335.5	336.2	0.2	16.3	34.8	17.
30.9	83.0	7782.2	300.0	-33.5	-21.3	210.3	25.0	14.7	21.6	338.2	338.6	0.1	14.6	38.1	18.
33.1	87.0	8079.2	275.0	-38.9	-25.6	211.4	26.3	13.7	22.5	336.9	339.2	0.1	15.1	41.4	19.
35.6	91.3	8376.2	250.0	-44.0	-29.9	213.6	25.7	14.2	21.4	340.6	339.9	99.9	99.9	45.1	20.
38.1	95.7	8673.2	225.0	-49.5	-24.5	215.7	26.6	16.7	23.2	342.6	340.6	99.9	99.9	48.9	21.
40.9	100.0	8970.2	200.0	-54.5	-22.0	220.9	31.1	20.3	23.5	346.4	340.6	99.9	99.9	53.7	23.
43.4	105.8	9267.2	175.0	-56.4	-22.4	222.4	33.7	22.1	24.9	356.9	340.6	99.9	99.9	58.1	24.
46.4	111.3	9564.2	150.0	-54.8	-24.9	210.1	33.3	18.7	24.8	375.7	340.6	99.9	99.9	64.6	25.
50.3	117.7	9861.2	125.0	-55.5	-21.0	211.0	28.8	14.8	24.7	394.5	340.6	99.9	99.9	71.3	26.
54.5	124.7	10158.2	100.0	-57.4	-24.9	209.9	26.9	9.9	24.0	420.6	340.6	99.9	99.9	99.9	99.9
59.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
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	99.9	99.9	99.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

\* 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. 23  
CHEYENNE, OKLAHOMA

9 MAY 1979  
2010 GMT

TIME MIN	CUTCT	HEIGHT GM	PRES MB	TEMP UG C	DEW PT UG C	DIR DG	SPEED M/SEC	U COMPI M/SEC	V CUMP M/SEC	POT T DG K	E POT T DG K	MK RTO GM/KG	RM PCT	RANGE FM	AZ DC
0.3	13.8	621.0	929.1	29.6	17.4	130.0	9.3	-7.1	6.0	309.2	346.9	13.6	48.0	0.0	0.
0.7	20.9	96.9	1003.0	70.9	99.7	99.7	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.9	29.9	56.9	875.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.9	39.9	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	999.9
0.1	14.1	66.3	925.0	29.1	20.3	143.4	16.2	-9.7	13.0	309.1	354.2	16.4	58.9	0.1	320.
3.4	16.5	90.5	903.0	25.9	20.1	144.6	14.9	-8.6	12.1	308.3	354.0	16.7	70.3	0.6	323.
1.6	14.7	115.4	875.0	23.3	19.6	150.1	12.7	-6.3	11.0	308.0	353.6	16.7	79.6	1.1	324.
2.3	11.4	143.0	850.0	21.4	19.8	159.2	12.6	-4.5	11.8	308.5	356.0	17.4	90.7	1.6	327.
3.7	23.8	165.7	825.0	18.3	17.3	171.1	10.9	-1.7	10.7	308.2	350.1	19.3	92.6	2.1	331.
1.4	26.1	192.1	800.0	17.5	12.3	184.0	11.5	0.1	11.5	309.8	342.0	11.5	72.6	2.6	336.
4.5	26.4	223.4	775.0	16.2	13.2	192.9	11.8	2.0	11.5	311.3	339.9	10.1	67.3	3.0	342.
7.4	11.4	247.3	53.0	14.7	8.3	196.9	12.7	3.7	12.2	312.1	338.4	9.2	67.1	3.6	348.
4.7	14.0	274.9	725.0	12.3	3.1	194.6	14.6	3.7	14.1	313.0	332.2	6.6	53.1	4.1	352.
7.1	16.7	325.7	700.0	11.1	6.1	192.1	16.4	3.9	18.0	316.3	325.4	3.5	29.5	5.3	355.
4.3	24.3	335.5	575.0	10.2	-10.7	192.1	22.2	1.6	21.7	317.1	324.9	2.5	21.7	6.0	358.
4.3	27.1	367.2	650.0	8.7	-18.1	191.4	25.7	5.1	25.2	318.8	323.5	1.4	13.0	7.4	1.
10.3	44.7	377.2	625.0	6.6	-17.5	190.7	25.9	4.8	25.5	320.1	325.1	1.5	15.8	9.1	3.
11.3	37.8	433.3	600.0	3.9	-19.0	194.2	24.6	6.0	23.8	320.6	325.2	1.4	16.9	10.9	4.
12.4	11.7	467.5	575.0	1.2	-21.4	200.2	24.2	8.4	22.7	321.4	325.4	1.2	19.5	12.5	6.
13.2	13.7	503.6	550.0	-1.0	-23.3	199.8	23.7	8.0	22.3	322.9	326.5	1.1	16.4	14.0	8.
14.5	44.8	539.4	525.0	-3.8	-25.2	192.2	24.4	5.2	23.9	323.9	327.0	0.9	15.9	15.5	9.
15.2	49.9	574.3	500.0	-6.3	-27.2	183.9	24.5	3.4	24.2	325.3	329.1	0.8	17.1	17.2	9.
16.3	31.1	614.9	475.0	-9.7	-29.1	191.2	24.8	4.8	24.4	327.2	329.7	0.7	17.3	18.9	9.
17.3	66.4	652.6	450.0	-12.5	-23.7	197.7	21.1	7.6	23.9	327.5	331.7	1.3	35.5	20.8	9.
17.4	66.9	701.3	425.0	-15.3	-27.8	204.5	21.1	9.0	21.1	328.6	333.4	1.4	55.4	22.7	10.
21.0	71.4	744.7	400.0	-19.5	-27.4	206.0	30.7	13.0	27.5	329.6	333.1	1.0	49.5	24.9	12.
22.2	77.0	790.9	375.0	-22.4	-33.7	203.3	31.1	13.3	28.1	332.0	334.1	0.6	34.5	28.1	13.
23.2	73.4	845.6	350.0	-25.5	-30.2	210.0	28.7	14.4	28.9	334.4	335.7	0.3	23.6	30.8	15.
24.2	44.9	907.1	325.0	-30.1	-45.1	210.8	30.9	15.4	26.5	335.3	336.1	0.2	21.2	33.9	16.
24.2	44.9	977.1	300.0	-34.0	-47.7	213.6	30.5	16.6	25.4	337.4	338.0	0.2	23.4	37.7	18.
31.1	51.3	1010.4	275.0	-39.7	-49.9	218.2	30.0	18.0	23.6	339.1	339.7	0.1	29.3	41.4	19.
32.6	74.0	1091.0	250.0	-44.1	-49.9	222.9	28.4	19.1	20.8	340.6	999.9	99.9	999.9	45.1	21.
34.1	42.8	1131.7	225.0	-49.4	-49.9	221.2	26.4	17.4	19.9	342.8	999.9	99.9	999.9	48.6	23.
37.1	135.0	1227.2	200.0	-55.2	-49.9	222.0	27.8	18.6	20.6	345.4	999.9	99.9	999.9	52.4	24.
38.3	135.0	1312.3	175.0	-59.5	-49.9	220.0	31.9	20.5	20.6	351.8	999.9	99.9	999.9	56.7	26.
42.6	12.0	1409.1	150.0	-55.2	-49.9	213.7	28.7	15.0	23.9	375.0	999.9	99.9	999.9	61.3	26.
48.4	12.0	1525.1	125.0	-53.7	-49.9	999.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	68.2	27.
50.2	13.7	1604.7	100.0	-56.3	-49.9	999.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	91.1	1664.7	75.0	-49.9	-49.9	999.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	91.1	99.9	50.0	-49.9	-49.9	999.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	-49.9	-49.9	999.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

0 BY DRE. J MEANS ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 0 BY DRE. J MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
 0 BY DRE. J MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 23  
CHEYENNE, OKLAHOMA

10 MAY 1979  
205 GMT

92 177. 0

TIME MIN	CACT	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	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	13.5	621.0	927.1	23.6	16.7	120.0	10.9	-9.4	9.4	303.5	343.2	14.8	73.0	0.0	0.
0.9	09.9	95.9	1000.0	92.9	92.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
09.9	09.9	93.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
17.7	09.9	79.9	959.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
24.1	13.7	661.0	925.0	23.9	20.2	117.7	9.2	-8.1	4.3	303.8	348.0	16.5	80.3	0.1	356.
1.1	15.9	341.2	970.0	21.7	21.4	139.8	19.0	-12.3	14.5	303.9	352.3	16.1	97.9	0.5	325.
1.9	1.1	1120.4	875.0	19.8	19.8	151.1	23.7	-11.5	20.7	304.3	349.5	16.9	100.2	1.8	326.
2.5	2.4	1376.7	850.0	18.0	18.0	159.8	22.1	-7.6	20.7	305.1	347.1	15.6	100.0	2.8	330.
3.6	2.6	1632.9	825.0	16.5	16.5	169.8	23.4	-4.7	22.9	306.1	345.6	14.5	99.8	4.0	334.
4.5	2.9	1875.9	800.0	15.9	15.1	182.3	22.0	0.4	22.0	308.1	345.8	13.7	95.2	5.2	339.
5.4	2.3	2166.7	775.0	16.0	10.5	191.8	21.8	4.1	21.3	311.0	340.2	10.4	69.5	6.3	375.
6.4	2.6	2445.9	750.0	15.1	8.6	194.1	22.1	5.4	21.4	313.0	339.3	9.4	64.9	7.4	349.
7.2	2.0	2712.8	725.0	12.7	6.9	198.5	22.9	7.3	21.9	313.6	338.5	8.7	67.0	8.5	353.
8.1	3.5	3077.5	700.0	11.2	4.2	207.1	20.6	9.4	18.4	314.9	336.5	7.4	62.2	9.6	356.
9.7	3.0	3330.4	675.0	8.9	2.8	211.0	23.4	12.1	20.0	315.7	336.1	7.0	65.4	10.7	0.
11.1	3.5	3632.3	650.0	7.0	-5.7	211.0	25.4	13.1	21.7	316.8	328.7	3.9	40.3	11.9	4.
12.7	4.1	3933.7	625.0	5.3	-9.6	207.9	25.9	12.1	22.9	318.5	327.7	2.9	33.1	13.5	7.
12.9	4.7	4235.7	600.0	2.6	-12.9	208.4	27.3	13.0	24.1	319.2	326.6	2.4	30.6	15.4	10.
14.7	4.4	4534.9	575.0	1.0	-21.6	205.0	27.6	11.7	25.0	321.2	325.1	1.2	16.6	17.7	12.
15.5	5.2	4834.5	550.0	-1.4	-24.8	197.6	33.1	10.0	31.6	322.4	325.5	0.9	14.8	20.4	13.
16.4	5.0	5132.5	525.0	-5.0	-28.7	196.3	33.6	9.5	32.3	322.5	325.7	1.0	19.4	23.2	14.
18.1	5.9	5434.1	500.0	-8.1	-25.1	199.7	32.1	9.7	30.7	323.2	326.5	1.0	23.7	25.6	14.
19.3	5.9	6140.4	475.0	-11.2	-27.0	199.4	31.2	10.4	29.4	324.1	327.1	0.9	25.7	27.8	14.
21.5	6.9	6553.1	450.0	-14.1	-28.2	204.0	29.0	11.8	26.5	325.5	328.3	0.8	29.0	30.1	15.
23.4	6.3	6943.5	425.0	-18.2	-30.5	207.5	30.9	14.3	27.4	325.6	328.0	0.7	33.1	32.4	16.
24.9	71.4	7435.2	400.0	-20.0	-37.0	211.0	31.2	16.1	26.7	329.1	330.5	0.4	20.1	35.0	17.
26.9	74.9	7911.2	375.0	-23.0	-44.1	213.8	29.6	16.5	24.6	331.2	332.0	0.2	12.5	37.8	18.
28.7	74.4	8413.4	350.0	-26.5	-48.1	212.8	31.7	17.7	26.7	333.0	333.6	0.1	10.9	41.4	19.
29.7	74.4	8945.9	325.0	-29.8	-50.2	210.3	31.4	15.4	27.1	335.6	335.1	0.1	11.6	44.5	20.
30.1	84.2	9513.6	300.0	-33.6	-39.7	211.1	34.0	17.0	29.1	338.0	339.5	0.4	54.3	47.4	21.
31.3	86.2	10113.1	275.0	-39.7	99.9	221.4	28.8	19.6	21.6	337.7	999.9	99.9	999.9	50.5	22.
33.7	92.3	10759.0	250.0	-43.7	99.9	228.0	29.2	21.7	19.5	341.2	999.9	99.9	999.9	53.4	23.
35.6	92.7	11463.5	225.0	-46.4	99.9	236.0	37.2	26.7	18.0	347.4	999.9	99.9	999.9	56.6	25.
37.0	92.4	12235.0	200.0	-52.0	99.9	99.9	99.9	99.9	99.9	349.5	999.9	99.9	999.9	999.9	999.9
39.0	74.9	94.7	175.0	99.9	91.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
41.2	74.9	94.7	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
43.9	49.9	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	999.9
46.9	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	999.9
49.2	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	999.9
50.9	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	999.9
52.3	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	999.9

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

ORIGINAL PAGE IS  
 OF POOR QUALITY

STATION NO. 23  
CHEYENNE, OKLAHOMA

10 MAY 1979 1579 505 GMT

119 103. 0

TIME	CHFT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMH	V COMP	POT T	E POT T	MR RTO	RM	RANGE	Z
MIN		GM	MB	CG C	CG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCY	KM	G
0-0	13-3	621.0	928.6	23.2	18.5	180.0	15.4	-5.3	14.5	302.7	341.9	14.6	75.0	0.0	0-
0-9	9-9	94.9	1000.0	93.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
0-9	9-9	99.9	975.0	97.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
0-9	9-9	99.9	930.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
0-1	1-6	65.1	925.0	22.9	19.1	162.4	16.0	-3.4	17.1	302.8	343.6	15.2	78.5	0.1	352-
1-0	1-6	89.4	903.0	22.0	20.0	166.8	22.0	-5.0	21.4	303.4	347.4	16.6	92.5	1.3	366-
1-7	18-2	119.9	975.0	13.1	18.2	159.5	21.9	-8.0	21.1	303.7	348.7	15.3	94.4	1.9	366-
2-4	20-5	134.4	953.0	17.6	16.7	173.4	22.7	-2.6	22.6	304.6	349.1	14.3	94.8	2.9	368-
3-2	21-8	164.0	935.0	15.3	15.4	182.5	22.9	1.0	22.9	305.8	349.7	13.5	94.6	4.0	350-
4-7	21-2	143.5	900.0	15.2	14.3	182.4	24.0	5.7	23.4	307.4	349.1	13.0	94.4	5.0	354-
4-7	27-7	217.9	875.0	15.2	9.2	197.1	24.6	7.1	23.5	311.3	338.1	9.5	62.9	6.0	358-
5-7	31-1	245.2	850.0	15.0	7.7	187.5	23.1	7.0	22.1	312.8	338.1	8.6	61.7	7.2	1-
6-4	32-7	274.5	825.0	12.9	4.5	205.0	24.7	10.4	22.4	313.6	338.0	7.3	58.7	8.3	4-
7-4	33-2	303.1	800.0	11.5	3.6	211.5	23.8	12.4	20.3	315.2	336.0	7.1	58.1	9.6	7-
8-1	7-3	314.2	674.0	9.0	2.2	213.5	22.9	12.6	19.1	315.9	335.5	6.7	62.4	10.8	10-
8-4	43-4	365.1	650.0	6.5	0.3	218.0	23.7	14.0	19.2	316.3	334.2	6.0	64.3	12.2	13-
1-0	4-2	377.2	625.0	3.9	-5.2	213.9	24.0	15.1	18.7	316.9	328.5	4.2	51.5	13.9	16-
1-3	5-7	417.0	600.0	0.7	-5.9	219.8	24.7	15.5	19.2	316.9	328.4	4.1	51.4	15.7	19-
1-3	4-9	464.7	575.0	-1.4	-16.4	211.8	23.2	12.1	19.7	319.4	324.3	1.9	30.8	17.5	21-
1-7	1-7	477.3	550.0	-2.3	-51.4	155.1	23.9	7.8	22.6	321.4	321.6	0.1	2.5	19.1	21-
1-7	4-7	576.2	525.0	-4.2	-49.7	192.8	27.0	6.0	26.3	323.4	323.9	0.1	2.5	21.2	21-
1-2	7-8	574.9	500.0	-7.1	-52.7	164.2	28.6	7.5	27.6	324.4	324.6	0.1	1.3	23.4	20-
1-5	6-9	618.3	475.0	-9.9	-49.2	187.1	28.8	8.4	27.5	325.8	326.3	0.1	3.7	25.4	20-
1-5	6-1	655.1	450.0	-12.3	-21.0	204.3	29.7	12.5	26.9	327.8	332.1	1.6	48.0	27.5	20-
2-0	7-4	673.1	425.0	-17.3	-20.3	227.3	28.6	13.1	26.9	328.8	332.5	1.7	73.5	30.8	21-
2-5	7-9	744.9	400.0	-19.5	-22.5	203.6	28.0	11.2	25.7	329.6	334.9	1.6	77.2	34.1	21-
2-4	7-4	797.4	375.0	-22.2	-25.9	209.1	32.2	15.1	28.4	332.2	336.8	1.3	76.3	38.2	21-
2-6	7-1	842.9	350.0	-25.3	-26.2	219.9	28.0	18.0	21.5	334.7	338.4	1.1	75.4	41.6	22-
2-6	2-2	874.4	325.0	-27.9	-30.7	227.6	26.5	19.5	17.9	338.2	341.4	0.9	76.7	44.2	24-
3-3	4-2	933.6	300.0	-32.3	-35.3	248.7	30.4	24.2	17.5	340.3	342.6	0.6	72.3	47.0	25-
3-4	5-5	1014.4	275.0	-37.5	-41.4	248.4	30.1	25.2	15.9	340.9	342.3	0.4	66.4	50.3	28-
3-5	5-2	1073.2	250.0	-41.6	-49.9	235.7	33.0	27.2	18.6	344.3	345.9	99.9	99.9	53.6	30-
3-5	10-3	1149.7	225.0	-47.3	-59.7	237.0	32.3	27.1	17.6	346.1	345.9	59.9	99.9	57.2	32-
3-7	10-7	1224.9	200.0	-53.5	-69.7	233.6	29.0	23.3	17.2	348.1	349.9	99.9	99.9	60.9	33-
4-7	11-3	1311.4	175.0	-60.2	-69.3	232.7	22.0	17.6	13.4	350.7	349.5	99.9	99.9	64.4	34-
4-6	17-3	1406.2	150.0	-65.6	-69.3	223.8	18.7	13.0	13.5	357.1	349.9	99.9	99.9	67.3	35-
4-6	17-3	1516.3	125.0	-68.6	-69.9	99.9	99.9	99.9	99.9	374.5	349.9	99.9	99.9	71.8	35-
4-9	9-3	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
4-9	9-3	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
4-9	9-3	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9
4-9	9-3	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	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 1-53 THAT 6 DEG



STATION NO. 23  
CHEYENNE, OKLAHOMA

10 MAY 1979  
1105 GMT

106 120. 0

TIME MIN	CNTCT	WEIGHT 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	RM PCT	RANGE KM	AZ DG
9.0	12.1	621.0	736.1	8.9	7.4	320.0	10.3	6.6	-7.9	287.4	305.4	6.9	90.0	0.0	8.
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	999.9
97.3	97.9	99.9	975.0	95.3	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	952.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
3.3	13.0	720.0	925.0	8.9	7.5	335.1	10.0	4.2	-9.1	288.4	306.8	7.0	90.9	0.3	152.
1.3	15.2	942.9	900.0	7.5	6.6	336.3	9.8	3.9	-8.9	289.2	307.1	6.8	94.2	0.6	153.
1.6	17.5	1175.9	875.0	6.6	5.3	332.4	9.6	4.2	-8.5	290.7	308.3	6.7	95.1	1.0	155.
2.6	19.7	1415.0	850.0	10.2	8.5	331.9	9.8	4.6	-8.7	288.8	319.0	6.2	89.1	1.4	154.
3.2	22.0	1667.3	825.0	11.1	-9.2	332.0	9.6	4.5	-8.5	300.3	307.1	2.3	23.1	1.9	153.
4.3	24.4	1875.0	800.0	11.5	-15.9	278.4	12.8	12.7	-1.4	303.4	307.6	1.4	13.1	2.3	149.
4.9	26.7	2120.1	775.0	11.6	-13.6	288.7	12.0	11.1	4.4	308.2	311.5	1.7	15.7	2.6	132.
5.6	29.1	2453.3	750.0	10.5	-7.1	227.5	7.2	5.3	4.9	307.9	316.9	3.0	28.4	2.8	124.
4.5	31.5	2788.9	725.0	8.8	-0.9	207.0	15.4	7.0	13.7	309.1	323.6	5.0	50.8	2.8	117.
7.4	33.9	3035.0	700.0	7.8	3.9	201.8	22.3	8.3	26.7	311.1	332.0	7.3	76.3	3.0	96.
8.3	36.4	3334.7	675.0	6.3	4.5	189.1	26.8	4.3	26.5	312.7	335.4	7.9	88.4	3.5	73.
9.1	39.9	3644.0	650.0	4.9	-2.8	183.0	26.9	1.9	26.8	314.5	328.9	4.8	57.7	4.4	53.
10.3	41.5	3953.4	625.0	3.9	-6.7	184.6	25.6	2.1	25.7	316.9	326.2	3.7	46.1	5.6	40.
11.5	43.2	4274.6	600.0	1.8	-18.8	183.4	25.5	4.2	25.2	318.3	324.7	2.0	27.5	7.1	32.
12.5	45.9	4616.7	575.0	-0.2	-9.5	189.0	26.6	4.1	26.3	319.8	330.4	3.4	52.2	6.8	28.
13.9	48.5	4940.9	550.0	-2.5	-31.0	170.1	26.7	4.7	26.3	321.1	323.0	0.5	9.3	13.7	24.
15.1	52.4	5337.5	525.0	-5.3	-53.3	152.8	23.3	5.2	22.7	322.2	322.2	0.0	1.0	12.6	22.
16.1	55.3	5734.8	500.0	-7.4	-54.6	195.0	24.5	6.2	23.6	324.1	324.2	0.0	1.0	14.2	21.
17.5	58.3	6136.0	475.0	-10.8	-56.7	196.6	23.3	7.2	24.2	324.7	324.8	0.0	1.0	16.0	21.
18.7	61.3	6584.9	450.0	-14.2	-58.9	194.0	21.1	6.1	24.3	325.4	325.5	0.0	1.0	17.9	20.
19.9	64.4	6982.2	425.0	-16.8	-59.3	154.1	19.2	7.1	24.3	327.5	327.6	0.0	1.2	19.8	20.
21.2	67.6	7432.9	400.0	-19.7	-58.0	159.9	19.0	10.2	33.5	329.4	329.5	0.0	1.8	22.3	19.
22.5	70.9	7909.8	375.0	-22.0	-63.3	200.0	18.4	11.1	32.4	332.5	332.6	0.0	1.1	25.0	19.
24.2	74.4	8411.9	350.0	-25.6	-66.3	201.6	18.1	11.1	29.0	334.3	334.3	0.0	1.0	27.7	19.
25.6	78.0	8946.9	325.0	-29.7	-68.9	197.5	18.1	9.1	28.7	335.8	335.9	0.0	1.0	30.3	19.
26.9	81.7	9513.1	300.0	-32.9	-71.1	191.9	18.1	6.2	28.4	339.3	339.0	0.0	1.0	33.0	18.
28.6	85.7	10121.3	275.0	-37.3	-74.0	189.1	18.1	4.4	30.8	341.1	341.2	0.0	1.0	35.7	18.
29.7	89.2	10773.0	250.0	-41.7	-99.9	187.9	18.1	4.3	31.5	344.1	999.9	99.9	999.9	38.2	17.
31.1	94.2	11474.9	225.0	-49.3	-99.9	185.5	18.1	5.5	33.6	342.9	999.9	99.9	999.9	40.8	17.
32.5	98.8	12235.9	200.0	-55.1	-94.9	152.2	18.1	6.8	31.4	345.5	999.9	99.9	999.9	43.5	17.
34.5	104.0	13078.7	175.0	-59.4	-99.9	205.7	18.4	14.9	31.0	351.9	999.9	99.9	999.9	47.9	17.
37.4	107.5	14035.0	150.0	-61.3	-99.9	205.5	18.8	13.2	27.8	364.5	999.9	99.9	999.9	53.1	18.
40.8	115.5	15175.0	125.0	-58.7	-99.9	99.9	99.9	99.9	99.9	368.7	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	999.9	99.9	999.9	999.9	999.9

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. 27  
ELMCRE CITY, OKLAHOMA

9 MAY 1979  
2305 GMT

127 98. 0

TIME MIN	CMTCY	HEIGHT GPN	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U (UM) M/SEC	V COMP M/SEC	PCT T DG K	E POT T DG K	WX RTO GM/KG	RM PCT	RANGE NM	AZ DG
0.7	9.7	320.0	965.5	26.0	17.6	120.0	13.9	0.0	13.9	382.2	337.9	13.3	60.0	0.0	0.
92.9	9.9	1000.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
92.9	9.9	975.0	999.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
0.1	11.2	462.2	950.0	23.2	17.7	147.4	12.8	-6.7	10.8	300.8	337.0	13.6	71.2	0.5	321.
1.2	11.5	925.2	925.0	21.7	18.1	151.7	16.2	-6.3	12.5	301.6	341.1	14.8	82.6	1.0	325.
2.1	15.9	937.9	920.0	19.3	17.5	158.7	16.9	-6.3	13.5	301.4	339.1	14.2	87.6	1.8	329.
2.8	18.3	117.4	875.0	17.4	16.6	161.2	15.5	-5.7	14.7	301.8	338.6	13.7	95.1	2.1	331.
3.5	20.7	142.3	850.0	15.4	14.7	171.2	17.3	-2.5	17.1	302.3	336.0	12.5	95.8	3.1	334.
4.3	23.2	1676.4	845.0	13.6	12.9	172.9	17.5	-0.7	17.5	303.0	334.0	11.4	95.4	3.9	339.
5.1	25.7	1435.4	808.0	11.5	10.8	182.6	15.9	0.7	15.9	303.3	331.4	10.2	95.0	4.6	343.
6.1	28.3	2202.1	773.0	17.0	-12.4	178.3	16.0	-1.6	13.9	312.1	318.1	1.9	12.1	5.5	346.
6.7	31.4	2441.8	750.0	17.8	-13.4	174.4	12.5	-1.2	12.5	315.9	321.6	1.8	10.7	6.2	348.
7.4	34.4	2704.7	725.0	15.3	-15.4	125.6	12.7	1.2	12.6	316.3	321.4	1.6	10.6	6.8	348.
8.1	36.1	3065.4	700.0	13.5	-14.9	191.3	14.5	2.9	14.2	317.5	323.0	1.7	12.4	7.6	350.
9.1	34.3	3301.4	673.0	10.6	-15.7	189.0	17.3	2.7	17.1	317.5	322.8	1.7	14.1	8.5	352.
10.7	41.6	3681.9	652.0	7.7	-16.1	190.1	16.7	2.9	16.4	317.6	323.0	1.7	16.6	9.5	354.
12.1	43.4	4071.9	625.0	4.5	-18.7	151.9	17.0	4.1	16.5	317.6	322.2	1.4	16.8	10.6	356.
13.1	47.1	4315.5	600.0	1.7	-20.7	157.6	17.7	5.4	16.9	318.0	322.1	1.2	17.1	11.6	358.
14.1	51.3	4674.3	575.0	-1.7	-21.1	159.1	19.3	6.3	18.3	319.0	322.0	1.2	21.1	13.1	0.
15.7	53.3	5071.9	553.0	-4.8	-26.3	155.6	21.2	5.7	20.4	319.4	321.1	0.8	16.6	14.5	2.
16.7	56.3	5371.9	525.0	-7.8	-30.8	153.7	21.7	5.1	21.1	319.1	321.3	0.6	13.7	16.0	3.
17.1	5.4	5761.9	503.0	-17.3	-40.3	201.5	17.5	6.4	16.3	320.5	321.3	0.2	6.4	17.4	4.
20.7	67.3	6572.1	450.0	-12.3	-41.5	204.6	16.7	7.3	15.2	322.7	323.5	0.2	6.6	18.6	5.
22.1	68.8	7072.0	425.0	-18.2	-49.3	207.6	17.1	7.9	15.1	325.6	322.6	99.9	999.9	19.9	7.
25.1	75.5	7451.9	400.0	-21.3	-59.9	219.4	18.4	12.1	15.0	327.3	322.3	99.9	999.9	22.7	10.
26.1	76.5	7451.9	373.0	-23.2	-69.9	224.0	20.0	13.4	14.9	328.1	322.3	99.9	999.9	24.4	12.
26.9	40.3	821.9	350.0	-29.4	-74.9	228.5	19.8	14.1	14.1	329.1	322.3	99.9	999.9	26.1	14.
28.9	58.2	8246.2	325.0	-33.5	-84.9	223.8	20.8	14.4	15.0	330.5	322.3	99.9	999.9	28.0	17.
30.9	84.3	9071.1	300.0	-38.1	-99.9	221.0	21.3	14.0	16.1	331.6	322.3	99.9	999.9	30.4	19.
32.9	82.7	10071.3	275.0	-43.0	-99.9	222.7	22.1	15.0	16.2	333.0	322.3	99.9	999.9	32.8	20.
35.1	47.2	10771.4	250.0	-48.2	-99.9	229.0	21.8	16.5	16.3	334.4	322.3	99.9	999.9	35.6	23.
37.6	127.2	11415.7	225.0	-53.7	-99.9	232.2	19.0	15.3	11.7	336.3	322.3	99.9	999.9	38.3	25.
40.1	177.4	12153.1	200.0	-57.6	-99.9	229.5	19.6	14.9	12.7	338.3	322.3	99.9	999.9	40.8	26.
43.1	111.2	12921.2	175.0	-61.4	-99.9	231.3	24.9	19.4	15.6	348.5	322.3	99.9	999.9	44.2	29.
46.3	119.3	13924.0	150.0	-60.4	-99.9	227.3	28.5	20.9	19.3	368.1	322.3	99.9	999.9	49.0	31.
49.9	126.3	15331.8	125.0	-63.9	-99.9	223.1	27.0	18.6	19.7	379.2	322.3	99.9	999.9	55.2	33.
54.9	94.9	16420.9	100.0	-64.0	-99.9	999.9	99.9	99.9	99.9	488.1	322.3	99.9	999.9	999.9	999.9
54.9	94.9	94.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
54.9	94.9	94.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
57.3	94.9	94.9	25.0	99.9	94.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9

0 BY SPEC-J 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. 34  
MOUNBAIN VIER, OKLAHMA  
10 MAY 1979  
1105 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 Y DG K	E POT Y DG K	WX RTO CM/KG	RH PCT	PANGE KN	AZ DG
0.0	10.2	417.0	957.2	11.8	9.7	140.0	4.1	1.4	-3.9	280.5	309.1	7.9	87.0	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	999.9
59.9	59.9	59.9	975.0	12.1	11.0	345.9	8.2	2.0	-8.0	289.4	312.0	8.7	93.0	0.3	136.
0.2	10.9	480.4	950.0	15.2	16.2	329.1	6.7	3.4	-5.7	295.9	329.0	12.7	99.7	0.6	171.
1.3	13.0	734.7	923.0	16.2	16.2	261.7	4.1	4.0	0.6	298.3	332.7	13.1	100.7	0.8	157.
1.9	15.2	919.0	900.0	16.2	16.2	146.3	8.1	2.3	7.4	301.0	337.7	13.7	103.7	0.7	142.
2.6	17.4	1177.5	873.0	16.8	16.0	146.3	8.1	2.3	7.4	301.0	337.7	13.7	103.7	0.7	142.
3.4	19.6	1429.2	850.0	16.9	16.3	191.5	12.9	2.6	12.6	303.8	342.5	14.4	100.8	0.5	96.
4.1	21.6	1583.5	825.0	15.5	15.5	201.3	14.5	5.3	13.5	305.0	341.9	13.6	100.8	0.9	49.
4.9	24.1	1945.0	803.0	14.2	14.2	208.4	16.2	7.7	14.3	306.3	341.5	12.9	100.8	1.6	39.
5.9	26.4	2213.8	775.0	13.1	13.1	202.0	13.5	5.1	12.5	307.9	342.0	12.4	100.6	2.4	34.
6.7	28.7	2490.0	750.0	11.6	11.6	205.9	13.1	5.7	11.6	309.2	341.5	11.6	100.4	3.1	32.
7.7	31.2	2773.8	725.0	10.0	10.0	208.5	13.3	5.9	11.9	310.5	340.6	10.7	100.2	3.8	31.
8.5	33.6	3065.9	700.0	8.4	8.4	212.7	15.7	8.5	13.2	311.8	340.1	10.0	100.4	4.5	30.
9.3	35.1	3390.1	675.0	5.7	1.0	217.3	19.0	11.5	15.1	312.0	329.8	6.1	71.8	5.5	31.
10.7	39.5	3674.7	653.0	4.8	-3.6	216.3	22.0	13.1	17.8	314.5	329.1	4.6	54.6	7.0	33.
11.4	41.1	3943.6	625.0	3.0	-7.7	212.7	23.2	12.5	19.5	315.9	326.4	3.4	45.4	8.6	33.
13.7	43.7	4326.9	600.0	0.6	-9.6	211.9	26.3	13.9	22.3	316.9	326.3	3.1	46.3	10.3	33.
14.1	44.4	4653.5	575.0	-1.3	-11.3	214.1	30.9	17.3	25.6	318.5	327.3	2.8	46.5	12.2	33.
14.3	44.1	5017.6	550.0	-3.9	-11.4	212.0	33.6	17.9	28.4	319.6	328.6	2.9	55.5	14.5	33.
14.5	44.0	5392.6	525.0	-6.5	-13.2	208.9	33.4	16.1	29.3	320.6	325.0	2.6	58.7	17.0	33.
17.7	54.4	5763.3	500.0	-8.3	-15.3	209.1	30.4	14.8	26.6	322.9	330.4	2.3	56.8	19.3	32.
17.9	54.8	6140.4	475.0	-10.2	-19.5	211.5	28.1	14.7	23.9	325.4	331.0	1.7	46.2	21.6	32.
17.9	54.8	6574.4	450.0	-13.9	-19.7	213.7	26.6	11.4	17.1	325.8	331.7	1.8	61.4	23.4	32.
23.6	63.9	7030.0	425.0	-17.0	-24.1	210.4	22.1	11.1	18.0	327.2	331.5	1.3	54.0	25.2	32.
23.6	63.9	7457.0	400.0	-19.2	-25.3	206.4	21.8	9.7	19.5	330.1	334.2	1.2	53.0	27.0	32.
24.4	70.3	7735.2	375.0	-23.5	-26.8	207.3	20.7	9.5	18.4	330.4	334.3	1.1	74.6	29.0	31.
24.2	72.7	8415.9	350.0	-27.1	-31.7	206.5	21.6	9.7	19.4	331.9	334.0	0.9	66.2	30.9	31.
27.3	77.3	8748.5	325.0	-31.6	-36.7	206.5	25.1	11.2	22.5	333.1	334.9	0.5	60.1	33.1	31.
27.3	77.3	9225.7	300.0	-36.1	-40.4	210.9	26.0	13.5	22.3	334.5	335.8	0.4	64.5	35.9	31.
31.6	85.0	10123.1	275.0	-41.4	-44.4	212.6	23.2	12.5	19.5	335.3	335.8	0.4	64.5	38.9	31.
33.3	85.2	10761.3	250.0	-47.8	-49.9	211.5	23.0	12.0	18.6	335.9	335.9	0.4	64.5	42.1	31.
34.4	84.3	11447.2	225.0	-53.3	-53.3	207.7	24.1	13.2	21.3	336.8	336.8	0.4	64.5	45.4	31.
34.4	84.3	12175.5	200.0	-59.0	-59.0	212.6	26.7	14.4	22.5	339.3	339.3	0.4	64.5	48.7	30.
41.2	103.4	13023.5	175.0	-65.0	-65.0	225.6	34.6	24.7	24.2	342.8	342.8	0.4	64.5	53.3	32.
47.7	119.0	13957.7	150.0	-63.7	-63.7	231.3	31.6	24.7	19.8	340.3	340.3	0.4	64.5	58.8	33.
47.4	115.3	15095.4	125.0	-61.7	-61.7	231.3	31.6	24.7	19.8	340.3	340.3	0.4	64.5	65.8	34.
51.4	122.3	16061.8	100.0	-64.7	-64.7	231.3	31.6	24.7	19.8	340.3	340.3	0.4	64.5	73.8	34.
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	999.9
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	999.9
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	999.9

\* 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. 37  
SHARROCK, TEXAS

9 MAY 1979  
2005 GMT

132 99. 0

TIME MIN	CITCE	HEIGHT GP4	PRES MB	TEMP DG L	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT Y DG K	E POT T DG K	MX PTO GM/KG	RM PCT	RANGE KM	AZ DG
00.0	15.3	721.0	917.9	29.5	15.2	140.0	10.3	-6.6	7.9	310.2	343.5	12.0	42.0	0.0	0.
00.9	49.9	99.9	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.
01.9	59.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.
02.9	69.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.
03.9	79.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.0	999.
04.9	89.9	99.9	900.0	28.3	17.4	116.7	10.7	-9.5	4.8	308.6	347.3	13.0	57.9	1.1	329.
05.9	14.2	1146.2	875.0	28.3	16.2	119.6	12.1	-10.1	6.0	308.0	346.1	13.4	60.9	1.3	322.
06.9	21.7	1397.6	850.0	21.9	15.9	130.4	13.1	-10.0	8.5	309.1	346.6	13.6	68.8	2.0	316.
07.9	24.3	1636.7	825.0	19.5	15.4	147.9	13.3	-7.1	11.3	309.2	346.4	13.5	77.1	2.7	316.
08.9	27.9	1921.7	800.0	17.7	13.1	161.9	13.9	-4.3	13.2	310.0	343.5	12.0	74.7	3.3	320.
09.9	25.4	2193.0	775.0	15.2	10.7	173.1	12.9	-1.5	12.8	310.1	339.6	10.5	74.7	4.0	325.
10.9	32.0	2470.3	750.0	13.1	9.3	183.1	13.9	0.7	13.9	310.9	338.2	9.7	75.7	4.6	330.
11.9	31.7	2746.9	725.0	11.1	5.9	185.6	17.1	1.7	17.0	311.6	338.7	8.1	70.4	5.4	336.
12.9	39.3	3047.6	700.0	9.9	0.4	186.6	19.5	2.3	19.4	313.3	330.1	5.7	51.5	6.3	345.
13.9	49.3	3347.3	675.0	9.4	-11.9	187.6	22.0	3.0	21.8	316.2	323.3	2.3	20.2	7.3	345.
14.9	47.8	3641.6	650.0	8.0	-21.0	184.4	25.0	1.9	24.9	318.0	321.6	1.1	10.7	8.7	348.
15.9	45.6	3941.7	625.0	5.6	-22.6	183.3	26.9	1.5	26.9	319.6	322.1	1.0	10.5	10.1	352.
16.9	44.5	4241.7	600.0	3.1	-24.3	186.6	28.7	3.3	28.5	319.7	322.0	0.9	11.2	11.7	352.
17.9	41.5	4537.3	575.0	3.2	-24.3	189.5	29.0	4.6	29.6	320.2	323.3	0.9	13.5	13.2	354.
18.9	38.5	4832.9	550.0	-0.3	-26.3	189.5	27.9	4.1	27.6	321.4	324.2	0.8	13.2	14.9	356.
19.9	35.5	5128.5	525.0	-2.7	-27.7	183.9	27.5	1.9	27.5	322.7	325.2	0.7	14.5	16.7	357.
20.9	32.5	5424.1	500.0	-4.6	-31.1	180.8	29.3	0.4	29.3	322.8	324.7	0.6	13.9	18.9	358.
21.9	29.5	5719.7	475.0	-11.5	-27.9	183.3	28.5	1.6	28.5	323.7	326.5	0.8	24.2	21.4	356.
22.9	26.5	6015.3	450.0	-15.3	-26.6	189.4	28.4	4.7	28.0	324.1	327.3	1.0	37.3	23.8	359.
23.9	23.5	6310.9	425.0	-17.6	-28.5	197.2	28.8	8.5	27.5	326.4	329.3	0.5	37.9	26.4	0.
24.9	20.5	6606.5	400.0	-20.3	-35.1	195.2	28.7	7.7	28.2	328.7	330.4	0.5	25.2	29.2	2.
25.9	17.5	6902.1	375.0	-23.6	-40.9	196.2	28.7	6.0	27.6	330.4	331.5	0.3	18.5	32.3	3.
26.9	14.5	7197.7	350.0	-27.4	-46.5	196.9	29.8	6.7	28.5	332.8	332.5	0.2	14.0	35.3	4.
27.9	11.5	7493.3	325.0	-32.2	-50.9	196.1	30.3	6.4	29.1	332.3	332.7	0.1	15.0	37.7	6.
28.9	8.5	7788.9	300.0	-36.8	-52.9	201.3	30.0	10.5	27.9	333.5	333.8	0.1	16.2	41.1	7.
29.9	5.5	8084.5	275.0	-42.3	-59.9	206.4	28.3	13.0	26.2	334.2	334.9	0.1	16.2	44.3	8.
30.9	2.5	8380.1	250.0	-47.0	-69.9	210.4	25.0	14.7	25.0	336.2	336.9	0.1	16.2	47.5	10.
31.9	0.5	8675.7	225.0	-53.0	-79.9	208.4	24.5	14.1	25.9	337.3	337.9	0.1	16.2	50.7	11.
32.9	0.5	8971.3	200.0	-58.9	-99.9	213.6	30.3	16.7	25.3	339.5	339.9	0.1	16.2	53.9	13.
33.9	0.5	9266.9	175.0	-64.1	-99.9	213.6	33.0	18.3	27.3	344.2	344.2	0.1	16.2	57.1	14.
34.9	0.5	9562.5	150.0	-69.2	-99.9	203.9	33.8	13.7	30.9	341.4	341.4	0.1	16.2	60.3	16.
35.9	0.5	9858.1	125.0	-74.3	-99.9	99.9	99.9	99.9	99.9	346.8	346.8	0.1	16.2	63.5	18.
36.9	0.5	10153.7	100.0	-81.1	-99.9	99.9	99.9	99.9	99.9	348.8	348.8	0.1	16.2	66.7	20.
37.9	0.5	10449.3	75.0	-88.9	-99.9	99.9	99.9	99.9	99.9	348.8	348.8	0.1	16.2	69.9	22.
38.9	0.5	10744.9	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	348.8	348.8	0.1	16.2	73.1	24.
39.9	0.5	11040.5	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	348.8	348.8	0.1	16.2	76.3	26.
40.9	0.5	11336.1	0.0	-99.9	-99.9	99.9	99.9	99.9	99.9	348.8	348.8	0.1	16.2	79.5	28.

0 BY 3713 MEAN ELEVATION ANGLE BETWEEN 5 AND 10 DEG  
 9 BY 3713 ... 5 TEMPERATURE OR TEMP HAVE W/M INTERPOLATED  
 00 BY 51 ... 04.5 ELEVATION ANGLE LESS THAN 6 DEG



STATION NO. 39  
WICHITA FALLS, TEXAS  
9 MAY 1979  
2315 GMT

TIME MIN	CNTCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMI M/SEC	V L34P M/SEC	-GT Y DG K	E PUT Y DG K	MX RTO GM/KG	RM PCT	RANGE KM	AZ DG
00	9.6	372.0	966.3	26.5	21.5	160.0	8.6	-3.0	8.3	302.6	347.6	17.0	74.0	0.0	0.
01	19.9	94.9	1030.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
02	29.9	99.9	975.0	99.9	96.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.9
03	39.9	453.4	950.0	27.4	21.0	135.8	13.4	-9.1	9.6	305.0	350.0	16.7	68.0	0.8	323.
04	49.9	659.1	925.0	24.5	20.3	123.2	14.6	-9.1	11.1	308.4	348.8	16.1	77.5	0.9	318.
05	59.9	625.6	900.0	22.6	20.1	145.9	14.6	-8.1	12.1	304.8	350.0	16.1	86.0	1.6	321.
10	14.0	1174.7	875.0	20.0	18.2	154.8	14.9	-6.1	14.4	304.6	346.5	15.6	91.2	2.3	324.
15	20.5	1425.5	850.0	17.1	17.5	165.8	14.9	-3.7	14.5	306.2	347.0	15.0	90.1	3.1	328.
20	22.9	1637.6	825.0	17.7	15.5	171.5	13.1	-1.9	12.9	307.3	346.6	13.6	87.1	3.7	332.
25	25.4	1745.7	800.0	14.7	14.5	174.5	12.0	-1.2	11.9	308.0	346.6	12.3	92.9	4.3	335.
30	27.9	2415.4	775.0	14.7	-35.4	151.8	14.3	2.5	14.0	309.7	313.5	1.3	10.4	5.0	338.
35	30.5	2415.4	750.0	14.4	-30.1	192.6	16.4	3.4	16.0	317.6	318.3	0.2	1.0	5.7	344.
40	33.1	2745.5	725.0	18.2	-38.4	184.5	16.1	1.3	16.0	314.5	320.1	0.2	1.0	6.5	347.
45	35.7	3084.2	700.0	18.3	-39.9	185.0	17.0	1.3	16.0	320.6	321.2	0.2	1.0	7.3	349.
50	38.4	3312.2	675.0	13.1	-41.9	191.6	15.8	3.7	15.5	320.1	320.8	0.1	1.0	8.2	351.
55	41.2	3736.2	650.0	13.6	-43.6	196.0	16.8	4.7	16.2	321.0	321.4	0.1	1.0	9.2	354.
00	44.0	4130.5	625.0	7.9	-45.1	199.7	17.4	5.4	16.4	321.5	321.9	0.1	1.0	10.3	356.
05	46.9	4714.3	600.0	4.4	-47.3	202.7	15.8	6.1	16.6	321.2	321.5	0.1	1.0	11.3	359.
10	49.7	4735.4	575.0	1.7	-49.9	200.3	15.5	5.4	16.5	322.0	322.3	0.1	1.0	12.3	1.
15	52.3	4735.4	550.0	-1.9	-51.1	159.7	15.3	5.4	16.4	321.9	322.1	0.1	1.0	13.3	2.
20	54.9	5431.2	525.0	-4.8	-53.0	207.3	19.1	6.1	17.9	322.6	322.8	0.1	1.0	14.4	4.
25	57.0	5812.9	500.0	-7.1	-54.4	204.0	18.8	7.1	17.2	324.4	324.6	0.0	1.0	15.6	5.
30	62.1	6211.0	475.0	-9.2	-55.7	204.0	16.8	6.4	15.4	326.6	326.8	0.0	1.0	16.9	7.
35	64.5	6625.9	450.0	-12.2	-57.6	203.7	18.0	7.7	17.4	327.9	328.0	0.0	1.0	18.3	8.
40	67.0	7091.6	425.0	-14.8	-59.3	213.9	19.7	11.6	18.4	330.0	330.1	0.0	1.0	19.9	10.
45	72.4	7518.1	400.0	-18.1	-61.4	219.2	19.6	12.4	18.4	331.4	331.5	0.0	1.0	21.4	12.
50	76.0	7995.9	375.0	-22.3	-57.1	221.3	21.3	14.1	16.0	332.1	332.3	0.0	2.5	23.0	14.
55	79.7	8400.4	350.0	-24.0	-59.6	222.7	20.1	13.1	15.0	333.0	333.9	0.0	2.5	24.8	16.
00	83.4	8733.0	325.0	-29.6	-62.2	220.1	21.4	13.6	16.4	335.9	336.0	0.0	3.3	26.8	18.
05	87.0	9537.9	300.0	-34.5	-60.5	222.0	22.0	14.1	16.4	336.8	336.9	0.0	5.1	29.2	20.
10	92.4	10203.7	275.0	-39.5	-60.5	222.4	22.4	15.0	17.3	338.1	338.1	0.0	999.9	31.9	22.
15	97.0	10944.3	250.0	-44.6	-64.6	225.0	21.6	15.4	15.3	339.7	339.9	0.0	999.9	34.9	24.
20	102.3	11340.5	225.0	-50.2	-69.9	224.2	19.5	13.4	18.0	341.6	341.6	0.0	999.9	37.5	26.
25	107.3	12100.7	200.0	-54.0	-64.9	226.2	20.0	14.4	13.3	344.1	344.1	0.0	999.9	40.5	27.
30	113.2	13137.0	175.0	-61.0	-72.3	232.5	21.9	19.1	14.5	349.3	349.3	0.0	999.9	43.9	29.
35	119.5	14194.9	150.0	-60.3	-69.9	222.1	21.3	19.7	21.7	340.1	340.1	0.0	999.9	48.2	31.
40	126.3	15245.0	125.0	-60.3	-69.9	224.9	31.2	22.0	22.1	345.9	345.9	0.0	999.9	55.0	32.
45	132.9	16300.0	100.0	-69.9	-69.9	99.9	99.9	99.9	99.9	999.9	999.9	0.0	999.9	999.9	999.9
50	139.7	17350.0	75.0	-72.9	-72.9	54.9	99.9	99.9	99.9	999.9	999.9	0.0	999.9	999.9	999.9
55	146.9	18400.0	50.0	-99.9	-99.9	99.9	99.9	99.9	99.9	999.9	999.9	0.0	999.9	999.9	999.9
00	154.9	19450.0	25.0	-99.9	-99.9	99.9	99.9	99.9	99.9	999.9	999.9	0.0	999.9	999.9	999.9

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

ORIGINAL PAGE IS  
 OF POOR QUALITY

STATION NO. 235  
JACKSON, MISSISSIPPI

9 MAY 1979  
2005 GMT

157 5. 0

TIME MIN	CNCT	WEIGHT GPH	PRES MB	TEMP DS C	DEW PT DC C	DIR DC	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	WX RTO GM/KG	RM PCT	RANGE KM	AZ DG
0.0	6.6	91.0	1000.5	29.4	16.9	130.0	3.1	-2.4	2.0	302.5	335.5	12.2	47.0	0.0	0.
0.7	6.4	93.5	1000.0	29.3	17.1	130.7	3.1	-2.3	2.0	302.5	335.5	12.4	47.9	0.0	357.
1.0	6.6	370.2	975.0	25.0	18.6	159.4	3.2	-1.6	2.7	301.2	336.5	14.0	64.5	0.2	315.
1.9	10.3	549.6	950.0	23.4	17.5	170.3	3.5	-0.6	3.4	301.0	336.8	13.4	69.6	0.3	320.
2.9	13.3	781.2	925.0	21.2	16.3	183.6	3.4	0.2	3.4	301.0	335.1	12.6	73.8	0.5	300.
3.7	15.6	1016.5	900.0	19.2	15.5	175.7	3.1	-0.2	3.1	301.3	336.7	12.4	79.0	0.7	305.
4.6	18.0	1260.5	875.0	17.1	15.4	186.4	3.7	0.4	3.7	301.5	335.6	12.7	89.9	0.8	307.
5.4	20.4	1537.9	850.0	15.2	12.1	193.9	4.0	1.3	3.9	302.0	335.5	10.5	61.9	1.1	353.
6.4	22.8	1762.3	825.0	17.0	3.4	212.9	2.5	1.3	2.1	306.6	323.6	6.0	40.4	1.2	355.
7.3	25.2	2023.8	800.0	15.5	0.9	222.8	4.7	3.2	3.4	307.7	322.5	5.1	37.2	1.3	2.
8.2	27.4	2292.1	775.0	13.3	-1.1	212.9	6.7	3.7	5.7	308.1	321.4	4.6	36.9	1.6	9.
9.0	30.1	2567.0	750.0	12.2	-4.0	228.2	5.9	4.1	4.2	309.8	319.8	3.0	25.7	1.9	13.
10.7	32.6	2851.5	725.0	12.7	-12.5	246.9	5.5	5.0	2.2	313.4	319.8	2.0	15.9	2.1	18.
11.0	35.2	3144.9	700.0	11.1	-14.1	253.1	5.9	5.7	1.7	314.8	320.6	1.8	15.9	2.4	25.
12.7	37.9	3447.2	675.0	9.8	-15.9	245.7	5.1	4.6	2.1	316.6	321.9	1.7	14.8	2.0	31.
13.1	40.5	3759.6	650.0	8.4	-16.6	243.7	4.1	3.7	1.8	319.4	321.6	1.6	15.2	2.9	34.
14.2	43.2	4072.2	625.0	7.1	-18.2	232.6	3.9	3.6	-0.9	320.6	323.3	1.5	14.5	3.1	37.
15.4	46.0	4384.5	600.0	5.5	-19.0	224.2	5.9	3.4	-4.8	322.5	327.5	1.5	16.5	3.0	43.
17.5	48.9	4762.2	575.0	3.3	-19.5	215.7	7.3	5.1	-5.2	322.7	327.4	1.4	18.0	3.0	52.
17.6	51.7	5117.1	550.0	0.8	-21.6	208.8	7.0	5.4	-4.4	323.1	327.2	1.2	15.7	3.1	62.
18.3	54.6	5482.3	525.0	-3.9	-23.7	206.7	6.2	5.5	-2.8	323.8	327.4	1.1	19.6	3.4	69.
20.2	57.6	5870.9	500.0	-7.3	-25.1	201.8	7.3	6.9	-2.3	324.2	327.5	1.0	22.3	3.7	74.
21.5	60.5	6268.0	475.0	-10.9	-26.8	211.8	9.3	9.3	-0.3	324.5	327.6	0.9	25.4	4.4	78.
23.1	63.9	6681.2	450.0	-13.9	-28.8	220.1	9.2	8.7	3.0	325.7	328.4	0.8	27.1	5.2	79.
24.5	67.1	7112.3	425.0	-17.9	-30.7	232.3	8.3	6.8	5.1	326.1	328.5	0.7	31.3	5.9	77.
25.9	70.5	7562.8	400.0	-20.9	-32.7	218.0	9.6	5.6	7.8	327.8	329.6	0.5	27.2	6.5	73.
27.4	74.3	8033.7	375.0	-24.9	-37.2	212.7	11.2	6.1	9.4	328.6	330.1	0.4	30.6	7.3	68.
28.3	77.6	8533.4	350.0	-29.4	-40.0	213.6	11.0	6.1	9.1	329.1	330.4	0.3	34.8	8.2	64.
30.5	81.3	9058.0	325.0	-32.5	-44.4	224.1	10.5	7.3	7.5	331.9	332.7	0.2	29.1	9.1	61.
32.5	85.3	9619.9	300.0	-35.4	-49.0	232.0	10.3	8.3	6.5	335.5	336.8	0.1	23.2	10.2	60.
34.6	89.5	10200.9	275.0	-38.9	-51.9	247.2	15.1	14.0	5.9	338.9	339.3	0.1	23.4	11.7	60.
36.5	93.8	10770.3	250.0	-42.1	-59.9	248.4	20.1	18.7	7.4	343.5	349.9	0.0	99.9	13.9	61.
38.4	94.4	11375.8	225.0	-47.3	-67.3	242.8	22.2	19.8	10.2	346.1	349.9	0.0	99.9	16.7	62.
41.1	103.4	12055.8	200.0	-52.4	-69.9	242.9	22.7	22.2	10.4	349.9	349.9	0.0	99.9	19.9	62.
43.7	104.8	12733.7	175.0	-55.1	-69.9	248.4	24.9	23.2	9.1	358.9	349.9	0.0	99.9	23.0	62.
46.5	114.8	14187.7	150.0	-57.5	-69.9	250.5	25.5	24.8	8.5	371.8	349.9	0.0	99.9	27.9	64.
49.7	121.3	15367.7	125.0	-60.4	-69.9	248.9	21.2	19.6	7.6	385.7	349.9	0.0	99.9	32.5	65.
53.6	129.3	16706.4	100.0	-63.4	-69.9	249.6	20.9	14.6	7.3	405.3	349.9	0.0	99.9	37.2	65.
59.2	136.7	18662.5	75.0	-65.9	-69.9	237.1	14.5	13.4	5.7	434.7	349.9	0.0	99.9	42.1	66.
63.6	147.7	20116.8	50.2	-64.4	-69.9	203.7	7.2	3.2	6.5	491.8	349.9	0.0	99.9	45.4	65.
71.0	155.0	23907.9	25.0	-57.8	-69.9	109.3	6.9	2.3	6.5	618.6	349.9	0.0	99.9	46.0	63.

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

STATION NO. 260  
STEPHENVILLE, TEXAS

10 MAY 1979  
505 GMT

199 15. 0

TIME MIN	CNCT	WEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	PRT T DG K	E POT T DG K	MR RTO GP/AG	RM PCT	RANGE KM	AZ DG
00.3	7.4	305.0	550.0	23.8	22.8	150.0	6.7	-3.4	5.8	300.6	345.5	18.7	94.0	0.0	0.
00.3	90.9	1000.0	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.3	90.9	975.0	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00.3	11.6	472.7	950.0	22.9	22.1	181.0	18.1	-3.9	17.2	300.4	347.8	18.0	95.5	0.3	339.
1.3	11.7	704.5	925.0	20.9	20.4	180.6	17.9	-5.9	16.9	300.7	348.5	18.5	97.1	0.8	340.
1.4	11.7	443.1	900.0	17.3	16.8	168.8	20.5	-5.9	15.7	301.6	348.3	15.4	98.4	1.8	341.
2.7	17.1	1175.4	975.0	17.7	17.1	172.5	19.7	-2.6	19.5	302.2	349.3	14.2	98.5	2.9	344.
3.7	4.3	1434.4	950.0	16.9	15.5	176.7	19.2	-1.1	19.2	303.9	339.6	13.2	98.8	4.0	347.
4.6	21.9	1634.4	925.0	15.4	14.1	181.3	18.1	0.4	18.1	304.8	339.7	12.4	92.4	5.0	349.
5.6	21.9	1352.1	900.0	19.5	-4.3	197.1	9.7	2.8	9.2	312.0	330.8	6.4	39.2	5.9	352.
6.8	21.7	2221.6	775.0	20.5	-37.4	219.2	6.8	6.3	5.3	315.9	316.6	0.2	1.0	6.2	355.
7.8	31.6	2576.5	775.0	18.2	-30.5	205.8	6.3	3.6	7.5	316.3	316.9	0.2	1.0	6.6	357.
8.4	31.1	2754.6	725.0	15.7	-40.3	202.8	8.2	3.2	7.6	316.7	317.2	0.2	1.0	7.1	359.
11.0	31.9	3390.4	700.0	13.3	-41.9	209.4	8.0	3.9	6.9	317.2	317.7	0.1	1.0	7.6	31.
11.1	7.4	3394.2	675.0	10.7	-43.4	215.7	9.3	5.4	7.5	317.6	318.1	0.1	1.0	8.1	31.
12.1	41.3	3756.5	650.0	9.0	-45.0	220.6	10.6	7.7	7.3	318.0	318.4	0.1	1.0	8.5	6.
13.1	41.1	4077.7	625.0	5.0	-46.3	227.6	10.5	7.8	7.1	318.2	318.6	0.1	1.0	9.2	9.
14.1	41.1	4324.5	600.0	2.0	-48.2	234.4	11.5	8.1	8.2	319.3	319.6	0.1	1.0	9.9	12.
16.2	41.1	4700.9	575.0	0.4	-49.7	240.0	13.1	8.4	10.0	320.4	320.7	0.1	1.0	10.8	15.
17.7	51.1	5355.9	550.0	-1.6	-50.9	245.7	11.7	8.3	8.1	322.2	322.5	0.1	1.0	11.8	17.
18.1	51.1	5474.7	525.0	4.1	-52.6	236.3	10.5	9.0	6.0	323.4	323.7	0.1	1.0	12.6	19.
21.5	41.4	5407.0	500.0	-6.7	-54.1	233.0	10.1	8.1	6.1	324.9	325.1	0.0	1.0	13.3	22.
21.7	41.5	6204.7	475.0	-10.2	-56.4	221.4	5.1	6.0	6.8	325.3	325.5	0.0	1.0	14.1	23.
23.7	41.0	6814.3	450.0	-13.0	-58.1	211.7	9.9	5.2	8.4	327.0	327.1	0.0	1.0	15.0	24.
24.3	61.4	7051.6	425.0	-16.0	-60.1	217.9	12.3	6.8	10.2	328.5	328.6	0.0	1.0	16.0	24.
24.9	71.0	7305.4	400.0	-19.0	-62.0	193.3	14.2	8.8	11.2	330.3	330.4	0.0	1.0	17.2	26.
24.9	71.7	7762.4	375.0	-23.1	-64.7	217.8	15.1	9.3	11.9	331.0	331.1	0.0	1.0	18.9	27.
31.5	61.5	8581.6	350.0	-27.3	-67.4	217.1	15.0	9.1	12.0	332.9	332.1	0.0	1.0	20.4	27.
31.1	41.7	9312.2	325.0	-31.7	-71.3	223.2	15.5	10.6	11.3	332.9	333.0	0.0	1.0	22.0	28.
34.2	41.7	9574.0	300.0	-36.9	-73.7	230.7	15.5	12.0	9.8	333.4	333.4	0.0	1.0	21.7	30.
35.3	61.3	10164.0	275.0	-40.9	-76.9	236.8	13.8	11.5	7.5	336.0	336.0	99.9	99.9	25.4	31.
35.6	61.6	10310.2	250.0	-46.3	-80.4	228.7	13.9	11.6	7.6	337.3	337.3	99.9	99.9	27.0	33.
40.4	13.6	11701.7	225.0	-51.8	-84.9	244.7	15.7	14.2	6.7	339.1	339.1	99.9	99.9	28.9	33.
43.2	13.6	12258.7	200.0	-57.8	-89.9	239.6	16.7	14.2	8.7	341.3	341.3	99.9	99.9	30.8	37.
45.8	11.3	13048.3	175.0	-61.9	-91.9	237.7	21.8	18.8	11.0	347.7	347.7	99.9	99.9	33.6	39.
49.3	11.5	14246.0	150.0	-69.6	-99.9	235.2	24.4	27.4	13.9	367.4	367.4	99.9	99.9	38.0	41.
52.5	12.3	15174.5	125.0	-83.4	-99.9	238.6	24.6	21.0	12.8	371.2	371.2	99.9	99.9	43.3	44.
57.1	13.9	16373.1	100.0	-87.7	-99.9	225.9	20.2	14.6	14.2	397.0	397.0	99.9	99.9	49.2	48.
67.2	14.7	18774.7	75.0	-73.7	-99.9	162.9	15.4	3.4	15.0	424.7	424.7	99.9	99.9	54.9	43.
73.2	15.3	20758.7	50.0	-59.6	-99.9	122.7	8.9	-7.5	6.8	505.3	505.3	99.9	99.9	58.0	40.
72.6	16.0	21271.7	25.0	-44.9	-99.9	213.5	32.8	18.1	27.4	644.0	644.0	99.9	99.9	56.1	37.

0.1 SPEED PLANE ELEVATION ANGLE BETWEEN 6 AND 10 DEG  
0.0 BY FRAME TEMPERATURE OR TIME HAVE BEEN INTERPOLATED  
0.0 BY SPEED PLANE ELEVATION ANGLE LFSS THAN 0.5

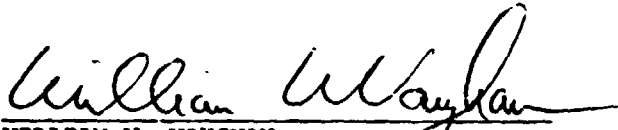


## APPROVAL

## AVE-SESAME IV: 25 MB SOUNDING DATA

By Meta E. Sienkiewicz, Luke P. Gilchrist,  
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.

  
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