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INTERIM REPORT

AVE-SESAME PROGRAM FOR THE REEDA SYSTEM

Prepared for:

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Attention:

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INTRODUCTION

The objective of this project is to modify and improve existing REEDA System software to process the AVE-SESAME Severe Storm data. A sequence of events have been performed by ACI as follows:

- Designed, tested, and implemented a random access file system for the AVE storm data.
- Modified existing AVE/SESAME software to incorporate the random access file input and to interface with new graphics hardware/ software now available on the REEDA system.
- Developed new software to graphically display the AVE/SESAME data in the convention normally used by severe storm researchers.
- Converted IBM software to AVE/SESAME software systems and interfaced with existing graphics hardware/software now available on the REEDA System.
- Provided software documentation for existing AVE/SESAME Programs underlining functional flow charts and interacting questions.
- Processed all AVE/SESAME data-sets in random access format to allow developed software to access the entire AVE/SESAME data base.
- Modified existing software to allow for processing of different AVE/SESAME data-set types including satellite surface and radar data.

An interactive program "AVE60" has been developed on the REEDA System which incorporates several existing AVE program capabilities into one. It allows for real-time user interaction and provides a choice of several inputs:

- AVE-SESAME data base
  - -- RSAME1 (10-11 APR 1979)
  - -- RSAME2 (19-20 APR 1979)
  - -- RSAME3 (25-26 APR 1979)
  - -- RSAME4 (09-10 MAY 1979)
  - -- RSAME5 (20-21 MAY 1979)
  - -- RSAME6 (07-08 JUN 1979)
- Output Type
  - -- Printed Sounding
  - -- SKEW T Plot
  - -- Wind Speed Profile Plot
  - -- Wind Direction Profile Plot

-- Wind Direction Vector Plot
-- 25 Mb Station Plot
-- SKEW T Base Map Plot

- Station Name

-- (AVE-SESAME I has 39 available stations)
-- (AVE-SESAME II has 40 available stations)
-- (AVE-SESAME III has 41 available stations)
-- (AVE-SESAME IV has 42 available stations)
-- (AVE-SESAME V has 42 available stations)
-- (AVE-SESAME VI has 38 available stations)

- Sounding Time

-- (AVE-SESAME has nine available times)

1200 GMT	2100 GMT	0600 GMT
1500 GMT	0000 GMT	0900 GMT
1800 GMT	0300 GMT	1200 GMT

- Output Device Type

-- HP-7210 X-Y Plotter
-- HP-9872 4-Color Plotter
-- HP-2608 Printer/Plotter
-- HP-2647 Graphics Terminal

In the remainder of this document, the various outputs generated from processing the AVE-SESAME I "RSAME1" random access data base using the "AVE60" interactive program are provided. It is the intent of this document to simply depict the outputs generated by the REEDA System "AVE60" Program and the reader should not formulate any conclusive decisions based upon the results presented herein.

QAVE60 -- Question File for AVE-SESAME I

This data file contains the question information for the AVE60 interactive program. Based upon this file the user will be prompted to select the desired AVE-SESAME data base, output type, and device type.

```
QAVE60 T=00004 IS ON CR00032 USING 00009 BLKS R=0000

0001  ********************************************************************
0002  *****                                                          *****
0003  *****      AVE60 -- AVE-SESAME '79 INTERACTIVE PROGRAM         *****
0004  *****                                                          *****
0005  ********************************************************************
0006
0007  AVE-SESAME '79 RANDOM ACCESS DATA BASES:
0008  ---------------------------------------
0009   1.  RSAME1 -- (10-11 APR 1979)
0010   2.  RSAME2 -- (19-20 APR 1979)
0011   3.  RSAME3 -- (25-26 APR 1979)
0012   4.  RSAME4 -- ( 9-10 MAY 1979)
0013   5.  RSAME5 -- (20-21 MAY 1979)
0014   6.  RSAME6 -- ( 7- 8 JUN 1979)
0015   7.  RAVE04 -- (24-25 APR 1975)
0016   8.  RTIROS -- (   10 APR 1979)
0017
0018
0019  AVAILABLE OUTPUTS FOR USER SELECTED STATION AND SOUNDING:
0020  ---------------------------------------------------------
0021   1.  PRINTED SOUNDING
0022   2.  SKEW T PLOT
0023   3.  WIND SPEED PROFILE PLOT
0024   4.  WIND DIRECTION PROFILE PLOT
0025   5.  WIND DIRECTION VECTOR PLOT
0026   6.  25-Mb STATION PLOT  (*** DEBUGGING STAGE ***)
0027   7.  SKEWT BASE MAP PLOT (*** DEBUGGING STAGE ***)
0028
0029
0030  AVAILABLE OUTPUT DEVICES FOR USER SELECTION:
0031  --------------------------------------------
0032   1.  PRINTER/PLOTTER
0033   2.  4-COLOR PLOTTER
0034   3.  GRAPHICS TERMINAL
0035
0036
```

SSAME1 -- Station File for AVE-SESAME I

This data file contains the station and sounding information for the AVE60 interactive program. Based upon this file the user will be prompted to select the desired AVE-SESAME station and sounding.

SSAME1 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME I EXPERIMENT ARE:

1 CENTERVILLE,AL	15 AMARILLO,TX	29 CONCORDIA,KS
2 BOOTHVILLE,LA	16 ALBUQUERQUE,NM	30 DURANT,OK
3 JACKSON,MS	17 SALEM,IL	31 FORT SMITH,AR
4 LAKE CHARLES,LA	18 DODGE CITY,KS	32 GAGE,OK
5 LONGVIEW,TX	19 TOPEKA,KS	33 GOODLAND,TX
6 VICTORIA,TX	20 DENVER,CO	34 JUNCTION,TX
7 STEPHENVILLE,TX	21 PEORIA,IL	35 MONORE,LA
8 DEL RIO,TX	22 OMAHA,NE	36 MARFA,TX
9 MIDLAND,TX	23 NORTH PLATTE,NE	37 MORTON,TX
10 EL PASO,TX	24 ABILENE,TX	38 RATON,NM
11 NASHVILLE,TN	25 BARTLESVILLE,OK	39 OXFORD,MS
12 LITTLE ROCK,AR	26 COLUMBIA,MO	
13 MONETT,MO	27 CHILDRESS,TX	
14 OKLAHOMA CITY,OK	28 COLLEGE STATION,TX	

NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:

1 1200GMT 4/10/79	4 2100GMT 4/10/79	7 0600GMT 4/11/79
2 1500GMT 4/10/79	5 0000GMT 4/11/79	8 0900GMT 4/11/79
3 1800GMT 4/10/79	6 0300GMT 4/11/79	9 1200GMT 4/11/79

EOF--THIS IS THE END THE FILE.

SSAME2 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

0001
0002 THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME II EXPERIMENT ARE:
0003 ----------
0004 1 CENTERVILLE,AL 15 AMARILLO,TX 29 CONCORDIA,KS
0005 2 BOOTHVILLE,LA 16 ALBUQUERQUE,NM 30 DURANT,OK
0006 3 JACKSON,MS 17 SALEM,IL 31 FORT SMITH,AR
0007 4 LAKE CHARLES,LA 18 DODGE CITY,KS 32 GAGE,OK
0008 5 LONGVIEW,TX 19 TOPEKA,KS 33 GOODLAND,TX
0009 6 VICTORIA,TX 20 DENVER,CO 34 JUNCTION,TX
0010 7 STEPHENVILLE,TX 21 PEORIA,IL 35 MONORE,LA
0011 8 DEL RIO,TX 22 OMAHA,NE 36 MARFA,TX
0012 9 MIDLAND,TX 23 NORTH PLATTE,NE 37 MORTON,TX
0013 10 EL PASO,TX 24 ABILENE,TX 38 POPLAR BLUFF,MO
0014 11 NASHVILLE,TN 25 BARTLESVILLE,OK 39 RATON, NM
0015 12 LITTLE ROCK,AR 26 COLUMBIA,MO 40 OXFORD, MS
0016 13 MONETT,MO 27 CHILDRESS,TX
0017 14 OKLAHOMA CITY,OK 28 COLLEGE STATION,TX
0018
0019 NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:
0020 ----------
0021 1 1200GMT 4/19/79 4 2100GMT 4/19/79 7 0600GMT 4/20/79
0022 2 1500GMT 4/19/79 5 0000GMT 4/20/79 8 0900GMT 4/20/79
0023 3 1800GMT 4/19/79 6 0300GMT 4/20/79 9 1200GMT 4/20/79
0024
0025
0026 EOF--THIS IS THE END THE FILE.

SSAME3 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

0001
0002 THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME III EXPERIMENT ARE:
0003 ----------
0004 1 CENTERVILLE,AL 15 AMARILLO,TX 29 CONCORDIA,KS
0005 2 BOOTHVILLE,LA 16 ALBUQUERQUE,NM 30 DURANT,OK
0006 3 JACKSON,MS 17 SALEM,IL 31 FORT SMITH,AR
0007 4 LAKE CHARLES,LA 18 DODGE CITY,KS 32 GAGE,OK
0008 5 LONGVIEW,TX 19 TOPEKA,KS 33 GOODLAND,TX
0009 6 VICTORIA,TX 20 DENVER,CO 34 JUNCTION,TX
0010 7 STEPHENVILLE,TX 21 PEORIA,IL 35 MONROE,LA
0011 8 DEL RIO,TX 22 OMAHA,NE 36 MARFA,TX
0012 9 MIDLAND,TX 23 NORTH PLATTE,NE 37 MORTON,TX
0013 10 EL PASO,TX 24 ABILENE,TX 38 OTTUMWA,IO
0014 11 NASHVILLE,TN 25 BARTLESVILLE,OK 39 POPLAR BLUFF,MO
0015 12 LITTLE ROCK,AR 26 COLUMBIA,MO 40 RATON,NM
0016 13 MONETT,MO 27 CHILDRESS,TX 41 OXFORD,MS
0017 14 OKLAHOMA CITY,OK 28 COLLEGE STATION,TX
0018
0019 NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:
0020 ----------
0021 1 1200GMT 4/25/79 4 2100GMT 4/25/79 7 0600GMT 4/26/79
0022 2 1500GMT 4/25/79 5 0000GMT 4/26/79 8 0900GMT 4/26/79
0023 3 1800GMT 4/25/79 6 0300GMT 4/26/79 9 1200GMT 4/26/79
0024
0025
0026 EOF--THIS IS THE END THE FILE.

SSAME4 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

0001
0002 THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME IV EXPERIMENT ARE:
0003 ----------
0004 1 CENTERVILLE,AL 15 AMARILLO,TX 29 CHILDRESS,TX
0005 2 BOOTHVILLE,LA 16 ALBUQUERQUE,NM 30 CLINTON SHERMAN,OK
0006 3 JACKSON,MS 17 SALEM,IL 31 ELMORE CITY,OK
0007 4 LAKE CHARLES,LA 18 DODGE CITY,KS 32 FT.SILL,OK
0008 5 LONGVIEW,TX 19 TOPEKA,KS 33 GAGE,OK
0009 6 VICTORIA,TX 20 DENVER,CO 34 HEALDTON,OK
0010 7 STEPHENVILLE,TX 21 PEORIA,IL 35 HENNESSEY,OK
0011 8 DEL RIO,TX 22 OMAHA,NE 36 HINTON,OK
0012 9 MIDLAND,TX 23 NORTH PLATTE,NE 37 KTVY,OK
0013 10 EL PASO,TX 24 ADA,OK 38 MOUNTAIN VIEW,OK
0014 11 NASHVILLE,TN 25 ALTUS,OK 39 SEILING,OK
0015 12 LITTLE ROCK,AR 26 CANADIAN,TX 40 SHAMROCK,TX
0016 13 MONETT,MO 27 CHEYENNE,OK 41 STROUD,OK
0017 14 OKLAHOMA CITY,OK 28 CHICKASHA,OK 42 WICHITA FALLS,TX
0018
0019 NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:
0020 ----------
0021 1 1200GMT 5/09/79 4 2100GMT 5/09/79 7 0600GMT 5/10/79
0022 2 1500GMT 5/09/79 5 0000GMT 5/10/79 8 0900GMT 5/10/79
0023 3 1800GMT 5/09/79 6 0300GMT 5/10/79 9 1200GMT 5/10/79
0024
0025
0026 EOF--THIS IS THE END THE FILE.

SSAME5 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

0001
0002 THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME V EXPERIMENT ARE:
0003 ---

0004	1 CENTERVILLE,AL	15 AMARILLO,TX	29 CHILDRESS,TX
0005	2 BOOTHVILLE,LA	16 ALBUQUERQUE,NM	30 CLINTON,TX
0006	3 JACKSON,MS	17 SALEM,IL	31 ELMORE CITY,OK
0007	4 LAKE CHARLES,LA	18 DODGE CITY,KS	32 FT.SILL,OK
0008	5 LONGVIEW,TX	19 TOPEKA,KS	33 GAGE,OK
0009	6 VICTORIA,TX	20 DENVER,CO	34 HEALDTON,OK
0010	7 STEPHENVILLE,TX	21 PEORIA,IL	35 HENNESSEY,OK
0011	8 DEL RIO,TX	22 OMAHA,NE	36 HINTON,OK
0012	9 MIDLAND,TX	23 NORTH PLATTE,NE	37 KTVY,OK
0013	10 EL PASO,TX	24 ADA,OK	38 MOUNTAIN VIEW,OK
0014	11 NASHVILLE,TN	25 ALTUS,OK	39 SEILING,OK
0015	12 LITTLE ROCK,AR	26 CANADIAN,TX	40 SHAMROCK,OK
0016	13 MONETT,MO	27 CHEYENNE,OK	41 STROUD,OK
0017	14 OKLAHOMA CITY,OK	28 CHICKASHA,OK	42 WICHITA FALLS,TX

0018
0019 NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:
0020 ---

0021	1 1200GMT 5/20/79	4 2100GMT 5/20/79	7 0600GMT 5/21/79
0022	2 1500GMT 5/20/79	5 0000GMT 5/21/79	8 0900GMT 5/21/79
0023	3 1800GMT 5/20/79	6 0300GMT 5/21/79	9 1200GMT 5/21/79

0024
0025
0026 EOF--THIS IS THE END THE FILE.

SSAME6 T=00004 IS ON CR00037 USING 00008 BLKS R=0000

THE RAWINSONDE STATIONS PARTICIPATING IN THE AVE-SESAME VI EXPERIMENT ARE:

1 CENTERVILLE,AL	15 AMARILLO,TX	29 ELMORE CITY,OK
2 BOOTHVILLE,LA	16 ALBUQUERQUE,NM	30 FT.SILL,OK
3 JACKSON,MS	17 SALEM,IL	31 GAGE,OK
4 LAKE CHARLES,LA	18 DODGE CITY,KS	32 HENNESSEY,OK
5 LONGVIEW,TX	19 TOPEKA,KS	33 HINTON,OK
6 VICTORIA,TX	20 DENVER,CO	34 KYVY,OK
7 STEPHENVILLE,TX	21 PEORIA,IL	35 MOUNTAIN VIEW,OK
8 DEL RIO,TX	22 OMAHA,NE	36 SEILING,OK
9 MIDLAND,TX	23 NORTH PLATTE,NE	37 STROUD,OK
10 EL PASO,TX	24 ADA,OK	38 WICHITA FALLS,TX
11 NASHVILLE,TN	25 ALTUS,OK	
12 LITTLE ROCK,AR	26 CHICKASHA,OK	
13 MONETT,MO	27 CHILDRESS,TX	
14 OKLAHOMA CITY,OK	28 CLINTON SHERMAN,OK	

NINE SOUNDINGS WERE TAKEN AT EACH OF THE ABOVE STATIONS:

1 1200GMT 4/10/79	4 2100GMT 4/10/79	7 0600GMT 4/11/79
2 1500GMT 4/10/79	5 0000GMT 4/11/79	8 0900GMT 4/11/79
3 1800GMT 4/10/79	6 0300GMT 4/11/79	9 1200GMT 4/11/79

EOF--THIS IS THE END THE FILE.

DSAME1 -- Directory File for AVE-SESAME I

This file contains the station names and sounding times for the AVE-SESAME I random access data base. It is a directory which depicts the sounding/record number order and denotes if soundings are missing.

DSAME1 T=00004 IS ON CR00033 USING 00108 BLKS R=0000

0001	1	229	CENTERVILLE, ALABAMA	1106	GMT	10	APR	1979
0002	2	229	CENTERVILLE, ALABAMA	1404	GMT	10	APR	1979
0003	3	229	CENTERVILLE, ALABAMA	1709	GMT	10	APR	1979
0004	4	229	CENTERVILLE, ALABAMA	2001	GMT	10	APR	1979
0005	5	229	CENTERVILLE, ALABAMA	2315	GMT	10	APR	1979
0006	6	229	CENTERVILLE, ALABAMA	205	GMT	11	APR	1979
0007	7	229	CENTERVILLE, ALABAMA	515	GMT	11	APR	1979
0008	8	229	CENTERVILLE, ALABAMA	815	GMT	11	APR	1979
0009	9	229	CENTERVILLE, ALABAMA	1103	GMT	11	APR	1979
0010	10	232	BOOTHVILLE, LOUISIANA	1100	GMT	10	APR	1979
0011	11	232	BOOTHVILLE, LOUISIANA	1400	GMT	10	APR	1979
0012	12	232	BOOTHVILLE, LOUISIANA	1700	GMT	10	APR	1979
0013	13	232	BOOTHVILLE, LOUISIANA	2000	GMT	10	APR	1979
0014	14	232	BOOTHVILLE, LOUISIANA	2300	GMT	10	APR	1979
0015	15	232	BOOTHVILLE, LOUISIANA	200	GMT	11	APR	1979
0016	16	232	BOOTHVILLE, LOUISIANA	500	GMT	11	APR	1979
0017	17	232	BOOTHVILLE, LOUISIANA	800	GMT	11	APR	1979
0018	18	232	BOOTHVILLE, LOUISIANA	1100	GMT	11	APR	1979
0019	19	235	JACKSON, MISSISSIPPI	1105	GMT	10	APR	1979
0020	20	235	JACKSON, MISSISSIPPI	1405	GMT	10	APR	1979
0021	21	235	JACKSON, MISSISSIPPI	1705	GMT	10	APR	1979
0022	22	235	JACKSON, MISSISSIPPI	2005	GMT	10	APR	1979
0023	23	235	JACKSON, MISSISSIPPI	2305	GMT	10	APR	1979
0024	24	235	JACKSON, MISSISSIPPI	205	GMT	11	APR	1979
0025	25	235	JACKSON, MISSISSIPPI	505	GMT	11	APR	1979
0026	26	235	JACKSON, MISSISSIPPI	805	GMT	11	APR	1979
0027	27	235	JACKSON, MISSISSIPPI	1100	GMT	11	APR	1979
0028	28	240	LAKE CHARLES, LOUISIANA	1105	GMT	10	APR	1979
0029	29	240	LAKE CHARLES, LOUISIANA	1405	GMT	10	APR	1979
0030	30	240	LAKE CHARLES, LOUISIANA	1705	GMT	10	APR	1979
0031	31	240	LAKE CHARLES, LOUISIANA	2005	GMT	10	APR	1979
0032	32	240	LAKE CHARLES, LOUISIANA	2300	GMT	10	APR	1979
0033	33	240	LAKE CHARLES, LOUISIANA	205	GMT	11	APR	1979
0034	34	240	LAKE CHARLES, LOUISIANA	505	GMT	11	APR	1979
0035	35	240	LAKE CHARLES, LOUISIANA	805	GMT	11	APR	1979
0036	36	240	LAKE CHARLES, LOUISIANA	1105	GMT	11	APR	1979
0037	37	247	LONGVIEW, TEXAS	1120	GMT	10	APR	1979
0038	38	247	LONGVIEW, TEXAS	1400	GMT	10	APR	1979
0039	39	247	LONGVIEW, TEXAS	1700	GMT	10	APR	1979
0040	40	247	LONGVIEW, TEXAS	2000	GMT	10	APR	1979
0041	41	247	LONGVIEW, TEXAS	2305	GMT	10	APR	1979
0042	42	247	LONGVIEW, TEXAS	205	GMT	11	APR	1979
0043	43	247	LONGVIEW, TEXAS	505	GMT	11	APR	1979
0044	44	247	LONGVIEW, TEXAS	805	GMT	11	APR	1979
0045	45	247	LONGVIEW, TEXAS	1100	GMT	11	APR	1979
0046	46	255	VICTORIA, TEXAS	1105	GMT	10	APR	1979
0047	47	255	VICTORIA, TEXAS	1405	GMT	10	APR	1979
0048	48	255	VICTORIA, TEXAS	1701	GMT	10	APR	1979
0049	49	255	VICTORIA, TEXAS	2000	GMT	10	APR	1979
0050	50	255	VICTORIA, TEXAS	2305	GMT	10	APR	1979
0051	51	255	VICTORIA, TEXAS	205	GMT	11	APR	1979
0052	52	255	VICTORIA, TEXAS	505	GMT	11	APR	1979
0053	53	255	VICTORIA, TEXAS	905	GMT	11	APR	1979
0054	54	255	VICTORIA, TEXAS	1105	GMT	11	APR	1979
0055	55	260	STEPHENVILLE, TEXAS	1100	GMT	10	APR	1979
0056	56	260	STEPHENVILLE, TEXAS	1400	GMT	10	APR	1979
0057	57	260	STEPHENVILLE, TEXAS	1705	GMT	10	APR	1979
0058	58	260	STEPHENVILLE, TEXAS	2005	GMT	10	APR	1979

0059	59	260	STEPHENVILLE, TEXAS	2325	GMT	10	APR	1979
0060	60	260	STEPHENVILLE, TEXAS	205	GMT	11	APR	1979
0061	61	260	STEPHENVILLE, TEXAS	505	GMT	11	APR	1979
0062	62	260	STEPHENVILLE, TEXAS	805	GMT	11	APR	1979
0063	63	260	STEPHENVILLE, TEXAS	1100	GMT	11	APR	1979
0064	64	261	DEL RIO, TEXAS	1100	GMT	10	APR	1979
0065	65	261	DEL RIO, TEXAS	1400	GMT	10	APR	1979
0066	66	261	DEL RIO, TEXAS	1700	GMT	10	APR	1979
0067	67	261	DEL RIO, TEXAS	2000	GMT	10	APR	1979
0068	68	261	DEL RIO, TEXAS	2300	GMT	10	APR	1979
0069	69	261	DEL RIO, TEXAS	200	GMT	11	APR	1979
0070	70	261	DEL RIO, TEXAS	500	GMT	11	APR	1979
0071	71	261	DEL RIO, TEXAS	800	GMT	11	APR	1979
0072	72	261	DEL RIO, TEXAS	1100	GMT	11	APR	1979
0073	73	265	MIDLAND, TEXAS	1100	GMT	10	APR	1979
0074	74	265	MIDLAND, TEXAS	1408	GMT	10	APR	1979
0075	75	265	MIDLAND, TEXAS	1705	GMT	10	APR	1979
0076	76	265	MIDLAND, TEXAS	2005	GMT	10	APR	1979
0077	77	265	MIDLAND, TEXAS	2300	GMT	10	APR	1979
0078	78	265	MIDLAND, TEXAS	205	GMT	11	APR	1979
0079	79	265	MIDLAND, TEXAS	505	GMT	11	APR	1979
0080	80	265	MIDLAND, TEXAS	806	GMT	11	APR	1979
0081	81	265	MIDLAND, TEXAS	1105	GMT	11	APR	1979
0082	82	270	EL PASO, TEXAS	1100	GMT	10	APR	1979
0083	83	270	EL PASO, TEXAS	1445	GMT	10	APR	1979
0084	84	270	EL PASO, TEXAS	1705	GMT	10	APR	1979
0085	85	270	EL PASO, TEXAS	2005	GMT	10	APR	1979
0086	86	270	EL PASO, TEXAS	2305	GMT	10	APR	1979
0087	87	270	EL PASO, TEXAS	205	GMT	11	APR	1979
0088	88	270	EL PASO, TEXAS	505	GMT	11	APR	1979
0089	89	270	EL PASO, TEXAS	805	GMT	11	APR	1979
0090	90	270	EL PASO, TEXAS	1100	GMT	11	APR	1979
0091	91	327	NASHVILLE, TENNESSEE	1100	GMT	10	APR	1979
0092	92	327	NASHVILLE, TENNESSEE	1415	GMT	10	APR	1979
0093	93	327	NASHVILLE, TENNESSEE	1720	GMT	10	APR	1979
0094	94	327	NASHVILLE, TENNESSEE	2025	GMT	10	APR	1979
0095	95	327	NASHVILLE, TENNESSEE	2300	GMT	10	APR	1979
0096	96	327	NASHVILLE, TENNESSEE	205	GMT	11	APR	1979
0097	97	327	NASHVILLE, TENNESSEE	505	GMT	11	APR	1979
0098	98	327	NASHVILLE, TENNESSEE	820	GMT	11	APR	1979
0099	99	327	NASHVILLE, TENNESSEE	1100	GMT	11	APR	1979
0100	100	340	LITTLE ROCK, ARKANSAS	1100	GMT	10	APR	1979
0101	101	340	LITTLE ROCK, ARKANSAS	1405	GMT	10	APR	1979
0102	102	340	LITTLE ROCK, ARKANSAS	1705	GMT	10	APR	1979
0103	103	340	LITTLE ROCK, ARKANSAS	2005	GMT	10	APR	1979
0104	104	340	LITTLE ROCK, ARKANSAS	2300	GMT	10	APR	1979
0105	105	340	LITTLE ROCK, ARKANSAS	205	GMT	11	APR	1979
0106	106	340	LITTLE ROCK, ARKANSAS	505	GMT	11	APR	1979
0107	107	340	LITTLE ROCK, ARKANSAS	805	GMT	11	APR	1979
0108	108	340	LITTLE ROCK, ARKANSAS	1105	GMT	11	APR	1979
0109	109	349	MONETT, MISSOURI	1103	GMT	10	APR	1979
0110	110	349	MONETT, MISSOURI	1405	GMT	10	APR	1979
0111	111	349	MONETT, MISSOURI	1705	GMT	10	APR	1979
0112	112	349	MONETT, MISSOURI	2005	GMT	10	APR	1979
0113	113	349	MONETT, MISSOURI	2305	GMT	10	APR	1979
0114	114	349	MONETT, MISSOURI	205	GMT	11	APR	1979
0115	115	349	MONETT, MISSOURI	505	GMT	11	APR	1979
0116	116	349	MONETT, MISSOURI	805	GMT	11	APR	1979
0117	117	349	MONETT, MISSOURI	1102	GMT	11	APR	1979
0118	118	353	OKLAHOMA CITY, OKLAHOMA	1105	GMT	10	APR	1979

0119	119	353	OKLAHOMA CITY, OKLAHOMA	1405	GMT	10	APR	1979
0120	120	353	OKLAHOMA CITY, OKLAHOMA	1705	GMT	10	APR	1979
0121	121	353	OKLAHOMA CITY, OKLAHOMA	2005	GMT	10	APR	1979
0122	122	353	OKLAHOMA CITY, OKLAHOMA	2330	GMT	10	APR	1979
0123	123	353	OKLAHOMA CITY, OKLAHOMA	200	GMT	11	APR	1979
0124	124	353	OKLAHOMA CITY, OKLAHOMA	535	GMT	11	APR	1979
0125	125	353	OKLAHOMA CITY, OKLAHOMA	809	GMT	11	APR	1979
0126	126	353	OKLAHOMA CITY, OKLAHOMA	1105	GMT	11	APR	1979
0127	127	363	AMARILLO, TEXAS	1100	GMT	10	APR	1979
0128	128	363	AMARILLO, TEXAS	1400	GMT	10	APR	1979
0129	129	363	AMARILLO, TEXAS	1700	GMT	10	APR	1979
0130	130	363	AMARILLO, TEXAS	2000	GMT	10	APR	1979
0131	131	363	AMARILLO, TEXAS	2300	GMT	10	APR	1979
0132	132	363	AMARILLO, TEXAS	200	GMT	11	APR	1979
0133	133	363	AMARILLO, TEXAS	500	GMT	11	APR	1979
0134	134	363	AMARILLO, TEXAS	800	GMT	11	APR	1979
0135	135	363	AMARILLO, TEXAS	1100	GMT	11	APR	1979
0136	136	365	ALBUQUERQUE, NEW MEXICO	1100	GMT	10	APR	1979
0137	137	365	ALBUQUERQUE, NEW MEXICO	1400	GMT	10	APR	1979
0138	138	365	ALBUQUERQUE, NEW MEXICO	1700	GMT	10	APR	1979
0139	139	365	ALBUQUERQUE, NEW MEXICO	2000	GMT	10	APR	1979
0140	140	365	ALBUQUERQUE, NEW MEXICO	2340	GMT	10	APR	1979
0141	141	365	ALBUQUERQUE, NEW MEXICO	205	GMT	11	APR	1979
0142	142	365	ALBUQUERQUE, NEW MEXICO	505	GMT	11	APR	1979
0143	143	365	ALBUQUERQUE, NEW MEXICO	805	GMT	11	APR	1979
0144	144	365	ALBUQUERQUE, NEW MEXICO	1100	GMT	11	APR	1979
0145	145	433	SALEM, ILLINOIS	1100	GMT	10	APR	1979
0146	146	433	SALEM, ILLINOIS	1405	GMT	10	APR	1979
0147	147	433	SALEM, ILLINOIS	1705	GMT	10	APR	1979
0148	148	433	SALEM, ILLINOIS	2005	GMT	10	APR	1979
0149	149	433	SALEM, ILLINOIS	2305	GMT	10	APR	1979
0150	150	433	SALEM, ILLINOIS	205	GMT	11	APR	1979
0151	151	433	SALEM, ILLINOIS	505	GMT	11	APR	1979
0152	152	433	SALEM, ILLINOIS	805	GMT	11	APR	1979
0153	153	433	SALEM, ILLINOIS	1245	GMT	11	APR	1979
0154	154	451	DODGE CITY, KANSAS	1115	GMT	10	APR	1979
0155	155	451	DODGE CITY, KANSAS	1415	GMT	10	APR	1979
0156	156	451	DODGE CITY, KANSAS	1715	GMT	10	APR	1979
0157	157	451	DODGE CITY, KANSAS	2015	GMT	10	APR	1979
0158	158	451	DODGE CITY, KANSAS	2315	GMT	10	APR	1979
0159	159	451	DODGE CITY, KANSAS	215	GMT	11	APR	1979
0160	160	451	DODGE CITY, KANSAS	505	GMT	11	APR	1979
0161	161	451	DODGE CITY, KANSAS	805	GMT	11	APR	1979
0162	162	451	DODGE CITY, KANSAS	1105	GMT	11	APR	1979
0163	163	456	TOPEKA, KANSAS	1105	GMT	10	APR	1979
0164	164	456	TOPEKA, KANSAS	1425	GMT	10	APR	1979
0165	165	456	TOPEKA, KANSAS	1705	GMT	10	APR	1979
0166	166	456	TOPEKA, KANSAS	2005	GMT	10	APR	1979
0167	167	456	TOPEKA, KANSAS	2305	GMT	10	APR	1979
0168	168	456	TOPEKA, KANSAS	205	GMT	11	APR	1979
0169	169	456	TOPEKA, KANSAS	505	GMT	11	APR	1979
0170	170	456	TOPEKA, KANSAS	805	GMT	11	APR	1979
0171	171	456	TOPEKA, KANSAS	1105	GMT	11	APR	1979
0172	172	469	DENVER, COLORADO	1105	GMT	10	APR	1979
0173	173	469	DENVER, COLORADO	1400	GMT	10	APR	1979
0174	174	469	DENVER, COLORADO	1705	GMT	10	APR	1979
0175	175	469	DENVER, COLORADO	2005	GMT	10	APR	1979
0176	176	469	DENVER, COLORADO	2305	GMT	10	APR	1979
0177	177	469	DENVER, COLORADO	205	GMT	11	APR	1979
0178	178	469	DENVER, COLORADO	505	GMT	11	APR	1979

0179	179	469	DENVER, COLORADO	805	GMT	11	APR	1979
0180	180	469	DENVER, COLORADO	1105	GMT	11	APR	1979
0181	181	532	PEORIA, ILLINOIS	1100	GMT	10	APR	1979
0182	182	532	PEORIA, ILLINOIS	1400	GMT	10	APR	1979
0183	183	532	PEORIA, ILLINOIS	1705	GMT	10	APR	1979
0184	184	532	PEORIA, ILLINOIS	2005	GMT	10	APR	1979
0185	185	532	PEORIA, ILLINOIS	2300	GMT	10	APR	1979
0186	186	532	PEORIA, ILLINOIS	205	GMT	11	APR	1979
0187	187	532	PEORIA, ILLINOIS	505	GMT	11	APR	1979
0188	188	532	PEORIA, ILLINOIS	805	GMT	11	APR	1979
0189	189	532	PEORIA, ILLINOIS	1100	GMT	11	APR	1979
0190	190	553	OMAHA, NEBRASKA	1107	GMT	10	APR	1979
0191	191	553	OMAHA, NEBRASKA	1425	GMT	10	APR	1979
0192	192	553	OMAHA, NEBRASKA	1705	GMT	10	APR	1979
0193	193	553	OMAHA, NEBRASKA	2005	GMT	10	APR	1979
0194	194	553	OMAHA, NEBRASKA	2305	GMT	10	APR	1979
0195	195	553	OMAHA, NEBRASKA	202	GMT	11	APR	1979
0196	196	553	OMAHA, NEBRASKA	506	GMT	11	APR	1979
0197	197	553	OMAHA, NEBRASKA	806	GMT	11	APR	1979
0198	198	553	OMAHA, NEBRASKA	1107	GMT	11	APR	1979
0199	199	562	NORTH PLATTE, NEBRASKA	1100	GMT	10	APR	1979
0200	200	562	NORTH PLATTE, NEBRASKA	1400	GMT	10	APR	1979
0201	201	562	NORTH PLATTE, NEBRASKA	1705	GMT	10	APR	1979
0202	202	562	NORTH PLATTE, NEBRASKA	2005	GMT	10	APR	1979
0203	203	562	NORTH PLATTE, NEBRASKA	2311	GMT	10	APR	1979
0204	204	562	NORTH PLATTE, NEBRASKA	205	GMT	11	APR	1979
0205	205	562	NORTH PLATTE, NEBRASKA	508	GMT	11	APR	1979
0206	206	562	NORTH PLATTE, NEBRASKA	805	GMT	11	APR	1979
0207	207	562	NORTH PLATTE, NEBRASKA	1105	GMT	11	APR	1979
0208	208	1	ABILENE, TEXAS	1121	GMT	10	APR	1979
0209	209	1	ABILENE, TEXAS	1442	GMT	10	APR	1979
0210	210	1	ABILENE, TEXAS	1740	GMT	10	APR	1979
0211	211	1	ABILENE, TEXAS	2034	GMT	10	APR	1979
0212	212	1	ABILENE, TEXAS	2333	GMT	10	APR	1979
0213	213	1	ABILENE, TEXAS	226	GMT	11	APR	1979
0214	214**	1	ABILENE, TEXAS	500	GMT	11	APR	1979
0215	215	1	ABILENE, TEXAS	806	GMT	11	APR	1979
0216	216	1	ABILENE, TEXAS	1105	GMT	11	APR	1979
0217	217	2	BARTLESVILLE, OKLAHOMA	1120	GMT	10	APR	1979
0218	218	2	BARTLESVILLE, OKLAHOMA	1445	GMT	10	APR	1979
0219	219	2	BARTLESVILLE, OKLAHOMA	1723	GMT	10	APR	1979
0220	220	2	BARTLESVILLE, OKLAHOMA	2048	GMT	10	APR	1979
0221	221**	2	BARTLESVILLE, OKLAHOMA	2300	GMT	10	APR	1979
0222	222	2	BARTLESVILLE, OKLAHOMA	207	GMT	11	APR	1979
0223	223	2	BARTLESVILLE, OKLAHOMA	505	GMT	11	APR	1979
0224	224**	2	BARTLESVILLE, OKLAHOMA	800	GMT	11	APR	1979
0225	225**	2	BARTLESVILLE, OKLAHOMA	1100	GMT	11	APR	1979
0226	226	3	COLUMBIA, MISSOURI	1131	GMT	10	APR	1979
0227	227	3	COLUMBIA, MISSOURI	1405	GMT	10	APR	1979
0228	228	3	COLUMBIA, MISSOURI	1704	GMT	10	APR	1979
0229	229	3	COLUMBIA, MISSOURI	2005	GMT	10	APR	1979
0230	230	3	COLUMBIA, MISSOURI	2334	GMT	10	APR	1979
0231	231	3	COLUMBIA, MISSOURI	211	GMT	11	APR	1979
0232	232	3	COLUMBIA, MISSOURI	511	GMT	11	APR	1979
0233	233**	3	COLUMBIA, MISSOURI	800	GMT	11	APR	1979
0234	234	3	COLUMBIA, MISSOURI	1105	GMT	11	APR	1979
0235	235	4	CHILDRESS, TEXAS	1131	GMT	10	APR	1979
0236	236	4	CHILDRESS, TEXAS	1421	GMT	10	APR	1979
0237	237	4	CHILDRESS, TEXAS	1708	GMT	10	APR	1979
0238	238	4	CHILDRESS, TEXAS	2002	GMT	10	APR	1979

0239	239	4	CHILDRESS, TEXAS	2321	GMT	10	APR	1979
0240	240	4	CHILDRESS, TEXAS	225	GMT	11	APR	1979
0241	241	4	CHILDRESS, TEXAS	514	GMT	11	APR	1979
0242	242	4	CHILDRESS, TEXAS	812	GMT	11	APR	1979
0243	243	4	CHILDRESS, TEXAS	1112	GMT	11	APR	1979
0244	244**	5	COLLEGE STATION, TEXAS	1100	GMT	10	APR	1979
0245	245**	5	COLLEGE STATION, TEXAS	1400	GMT	10	APR	1979
0246	246**	5	COLLEGE STATION, TEXAS	1700	GMT	10	APR	1979
0247	247	5	COLLEGE STATION, TEXAS	2029	GMT	10	APR	1979
0248	248	5	COLLEGE STATION, TEXAS	2307	GMT	10	APR	1979
0249	249	5	COLLEGE STATION, TEXAS	205	GMT	11	APR	1979
0250	25****	5	COLLEGE STATION, TEXAS	500	GMT	11	APR	1979
0251	251	5	COLLEGE STATION, TEXAS	805	GMT	11	APR	1979
0252	252	5	COLLEGE STATION, TEXAS	1110	GMT	11	APR	1979
0253	253	6	CONCORDIA, KANSAS	1135	GMT	10	APR	1979
0254	254	6	CONCORDIA, KANSAS	1415	GMT	10	APR	1979
0255	255	6	CONCORDIA, KANSAS	1731	GMT	10	APR	1979
0256	256	6	CONCORDIA, KANSAS	2135	GMT	10	APR	1979
0257	257	6	CONCORDIA, KANSAS	2336	GMT	10	APR	1979
0258	258	6	CONCORDIA, KANSAS	211	GMT	11	APR	1979
0259	259	6	CONCORDIA, KANSAS	521	GMT	11	APR	1979
0260	260	6	CONCORDIA, KANSAS	815	GMT	11	APR	1979
0261	261	6	CONCORDIA, KANSAS	1105	GMT	11	APR	1979
0262	262	7	DURANT, OKLAHOMA	1105	GMT	10	APR	1979
0263	263	7	DURANT, OKLAHOMA	1405	GMT	10	APR	1979
0264	264	7	DURANT, OKLAHOMA	1705	GMT	10	APR	1979
0265	265	7	DURANT, OKLAHOMA	2005	GMT	10	APR	1979
0266	266	7	DURANT, OKLAHOMA	2305	GMT	10	APR	1979
0267	267	7	DURANT, OKLAHOMA	205	GMT	11	APR	1979
0268	268	7	DURANT, OKLAHOMA	505	GMT	11	APR	1979
0269	269	7	DURANT, OKLAHOMA	805	GMT	11	APR	1979
0270	270**	7	DURANT, OKLAHOMA	1100	GMT	11	APR	1979
0271	271**	8	FORT SMITH, ARKANSAS	1100	GMT	10	APR	1979
0272	272	8	FORT SMITH, ARKANSAS	1405	GMT	10	APR	1979
0273	273	8	FORT SMITH, ARKANSAS	1705	GMT	10	APR	1979
0274	274	8	FORT SMITH, ARKANSAS	2005	GMT	10	APR	1979
0275	275	8	FORT SMITH, ARKANSAS	2305	GMT	10	APR	1979
0276	276	8	FORT SMITH, ARKANSAS	203	GMT	11	APR	1979
0277	277	8	FORT SMITH, ARKANSAS	503	GMT	11	APR	1979
0279	278	8	FORT SMITH, ARKANSAS	805	GMT	11	APR	1979
0279	279	8	FORT SMITH, ARKANSAS	1205	GMT	11	APR	1979
0280	280	9	GAGE, OKLAHOMA	1133	GMT	10	APR	1979
0281	281	9	GAGE, OKLAHOMA	1410	GMT	10	APR	1979
0282	282	9	GAGE, OKLAHOMA	1706	GMT	10	APR	1979
0283	283	9	GAGE, OKLAHOMA	2005	GMT	10	APR	1979
0284	284	9	GAGE, OKLAHOMA	2310	GMT	10	APR	1979
0285	285	9	GAGE, OKLAHOMA	205	GMT	11	APR	1979
0286	286	9	GAGE, OKLAHOMA	450	GMT	11	APR	1979
0287	287	9	GAGE, OKLAHOMA	805	GMT	11	APR	1979
0288	288	9	GAGE, OKLAHOMA	1110	GMT	11	APR	1979
0289	289	10	GOODLAND, KANSAS	1133	GMT	10	APR	1979
0290	290	10	GOODLAND, KANSAS	1405	GMT	10	APR	1979
0291	291	10	GOODLAND, KANSAS	1705	GMT	10	APR	1979
0292	292	10	GOODLAND, KANSAS	2015	GMT	10	APR	1979
0293	293	10	GOODLAND, KANSAS	2304	GMT	10	APR	1979
0294	294	10	GOODLAND, KANSAS	207	GMT	11	APR	1979
0295	295	10	GOODLAND, KANSAS	502	GMT	11	APR	1979
0296	296	10	GOODLAND, KANSAS	804	GMT	11	APR	1979
0297	297	10	GOODLAND, KANSAS	1108	GMT	11	APR	1979
0298	298	12	JUNCTION, TEXAS	1131	GMT	10	APR	1979

0299	299	12	JUNCTION, TEXAS	1425	GMT	10	APR	1979
0300	300	12	JUNCTION, TEXAS	1720	GMT	10	APR	1979
0301	301	12	JUNCTION, TEXAS	2051	GMT	10	APR	1979
0302	302	12	JUNCTION, TEXAS	2343	GMT	10	APR	1979
0303	303	12	JUNCTION, TEXAS	213	GMT	11	APR	1979
0304	304	12	JUNCTION, TEXAS	520	GMT	11	APR	1979
0305	305	12	JUNCTION, TEXAS	825	GMT	11	APR	1979
0306	306	12	JUNCTION, TEXAS	1107	GMT	11	APR	1979
0307	307	13	MONROE, LOUISIANA	1111	GMT	10	APR	1979
0308	308	13	MONROE, LOUISIANA	1405	GMT	10	APR	1979
0309	309	13	MONROE, LOUISIANA	1705	GMT	10	APR	1979
0310	310	13	MONROE, LOUISIANA	2005	GMT	10	APR	1979
0311	311	13	MONROE, LOUISIANA	2305	GMT	10	APR	1979
0312	312	13	MONROE, LOUISIANA	208	GMT	11	APR	1979
0313	313	13	MONROE, LOUISIANA	525	GMT	11	APR	1979
0314	314	13	MONROE, LOUISIANA	805	GMT	11	APR	1979
0315	315	13	MONROE, LOUISIANA	1105	GMT	11	APR	1979
0316	316	14	MARFA, TEXAS	1123	GMT	10	APR	1979
0317	317	14	MARFA, TEXAS	1405	GMT	10	APR	1979
0318	318	14	MARFA, TEXAS	1711	GMT	10	APR	1979
0319	319**	14	MARFA, TEXAS	2000	GMT	10	APR	1979
0320	320	14	MARFA, TEXAS	2305	GMT	10	APR	1979
0321	321	14	MARFA, TEXAS	205	GMT	11	APR	1979
0322	322	14	MARFA, TEXAS	505	GMT	11	APR	1979
0323	323	14	MARFA, TEXAS	805	GMT	11	APR	1979
0324	324	14	MARFA, TEXAS	1155	GMT	11	APR	1979
0325	325	15	MORTON, TEXAS	1116	GMT	10	APR	1979
0326	326	15	MORTON, TEXAS	1407	GMT	10	APR	1979
0327	327	15	MORTON, TEXAS	1705	GMT	10	APR	1979
0328	328	15	MORTON, TEXAS	2005	GMT	10	APR	1979
0329	329**	15	MORTON, TEXAS	2300	GMT	10	APR	1979
0330	330	15	MORTON, TEXAS	207	GMT	11	APR	1979
0331	331**	15	MORTON, TEXAS	500	GMT	11	APR	1979
0332	332	15	MORTON, TEXAS	826	GMT	11	APR	1979
0333	333	15	MORTON, TEXAS	1107	GMT	11	APR	1979
0334	334	18	RATON, NEW MEXICO	1112	GMT	10	APR	1979
0335	335	18	RATON, NEW MEXICO	1407	GMT	10	APR	1979
0336	336	18	RATON, NEW MEXICO	1708	GMT	10	APR	1979
0337	337	18	RATON, NEW MEXICO	2023	GMT	10	APR	1979
0338	338	18	RATON, NEW MEXICO	2308	GMT	10	APR	1979
0339	339	18	RATON, NEW MEXICO	213	GMT	11	APR	1979
0340	340	18	RATON, NEW MEXICO	510	GMT	11	APR	1979
0341	341**	18	RATON, NEW MEXICO	800	GMT	11	APR	1979
0342	342	18	RATON, NEW MEXICO	1127	GMT	11	APR	1979
0343	343	19	OXFORD, MISSISSIPPI	1130	GMT	10	APR	1979
0344	344	19	OXFORD, MISSISSIPPI	1408	GMT	10	APR	1979
0345	345	19	OXFORD, MISSISSIPPI	1712	GMT	10	APR	1979
0346	346	19	OXFORD, MISSISSIPPI	2012	GMT	10	APR	1979
0347	347	19	OXFORD, MISSISSIPPI	2328	GMT	10	APR	1979
0348	348	19	OXFORD, MISSISSIPPI	200	GMT	11	APR	1979
0349	349	19	OXFORD, MISSISSIPPI	517	GMT	11	APR	1979
0350	350	19	OXFORD, MISSISSIPPI	814	GMT	11	APR	1979
0351	351**	19	OXFORD, MISSISSIPPI	1100	GMT	11	APR	1979
0352								
0353	** DENOTES MISSING SOUNDINGS (ZERO FILLED DATA).							

RSAME1 -- Random Access File for AVE-SESAME I

This file is a random access data base containing the AVE-SESAME I data. It provides both an effective and efficient means to process interactively the user specified AVE-SESAME data and generates the user selected output type. Due to the size of this data base (1408 words per record, 351 records) a printed output is not provided.

OUTPUT #1 -- Printed Sounding

This is a printed output which depicts the detailed AVE-SESAME meteorological sounding data for each station and sounding time.

***** USER SELECTED STATION # 1, SOUNDING # 1
STATION NO. 229
CENTERVILLE, ALABAMA
10 APR 1979
1106 GMT
NO. OF CONTACTS = 155 MINIMUM PRESSURE = 17. ANGLE IDENTIFIER = 0

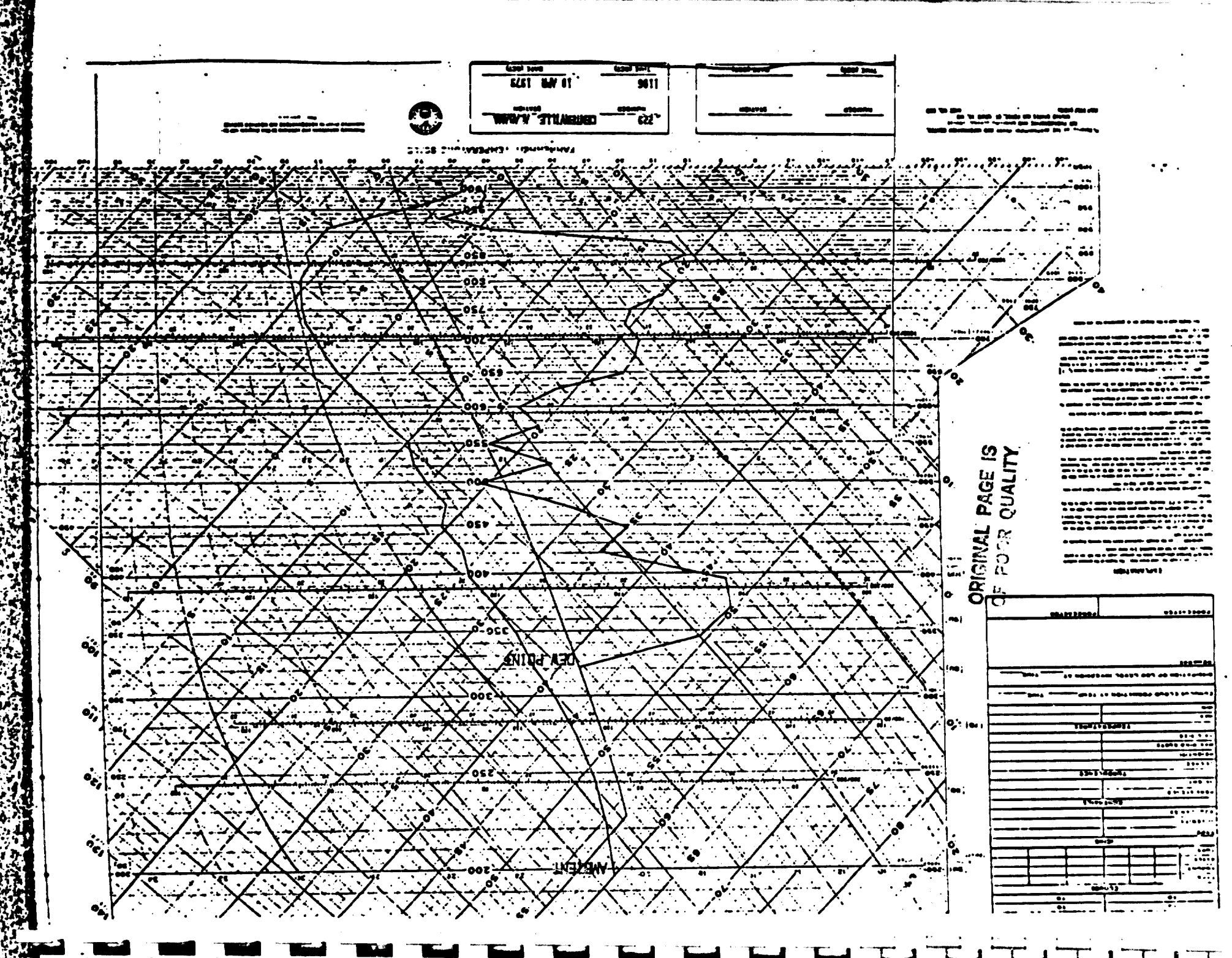
TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	6.2	140.0	997.4	4.3	3.7	50.0	4.6	-3.5	-3.0	277.7	290.4	5.0	96.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
.8	8.2	325.5	975.0	5.1	2.4	66.7	9.4	-8.6	-3.7	280.3	292.3	4.7	82.7	.4	241.
1.6	10.5	538.5	950.0	7.2	2.0	4.5	3.7	-.3	-3.7	284.5	296.8	4.7	69.6	.7	244.
2.4	12.7	759.7	925.0	10.3	4.4	266.2	6.0	6.0	.4	289.9	305.0	5.7	66.6	.6	236.
3.2	15.1	988.9	900.0	13.0	-.7	252.7	10.1	9.6	3.0	294.9	306.3	4.1	39.6	.3	202.
4.2	17.5	1225.4	875.0	12.9	-16.8	246.6	10.7	9.8	4.3	297.2	300.8	1.2	11.1	.5	94.
5.1	19.8	1468.3	850.0	13.0	-18.9	246.7	9.4	8.6	3.7	299.8	302.9	1.0	9.2	1.0	77.
6.0	22.2	1718.0	825.0	11.7	-17.7	258.3	8.6	8.4	1.8	301.0	304.5	1.2	11.1	1.5	75.
6.9	24.6	1975.0	800.0	11.4	-20.0	270.9	9.7	9.7	-.2	303.3	306.3	1.0	9.2	2.0	78.
7.9	27.1	2239.2	775.0	10.4	-20.1	278.0	11.3	11.2	-1.6	305.0	308.1	1.0	9.8	2.6	82.
9.0	29.6	2511.3	750.0	9.2	-18.4	280.4	14.0	13.8	-2.5	306.6	310.3	1.2	12.3	3.4	87.
10.1	32.2	2791.2	725.0	7.8	-19.1	282.2	15.3	15.0	-3.2	308.1	311.7	1.2	12.7	4.3	90.
11.2	34.8	3079.1	700.0	5.8	-21.4	282.7	14.7	14.4	-3.2	309.0	312.1	1.0	12.0	5.3	92.
12.2	37.4	3375.5	675.0	3.9	-22.3	277.0	14.8	14.7	-1.8	310.0	313.1	.9	12.7	6.2	93.
13.3	40.1	3680.6	650.0	1.6	-22.5	273.1	15.5	15.4	-.8	310.8	313.9	1.0	14.6	7.1	94.
14.4	42.8	3995.0	625.0	-1.1	-18.0	270.3	16.9	16.9	-.1	311.2	316.0	1.5	26.9	8.2	93.
15.5	45.6	4319.0	600.0	-4.0	-16.3	262.2	17.4	17.2	2.4	311.4	317.0	1.8	37.7	9.3	93.
16.8	48.4	4653.1	575.0	-6.7	-19.3	256.2	19.5	18.9	4.6	312.1	316.7	1.4	36.0	10.7	91.
18.0	51.3	4998.4	550.0	-9.9	-16.7	252.3	18.4	17.5	5.6	312.4	318.2	1.9	57.6	12.0	89.
19.2	54.4	5355.9	525.0	-11.8	-23.4	251.6	17.2	16.3	5.4	314.3	318.0	1.1	38.6	13.3	87.
20.4	57.4	5728.1	500.0	-14.5	-19.0	253.0	16.9	16.2	5.0	315.4	320.8	1.7	68.8	14.5	86.
21.8	60.6	6114.4	475.0	-17.8	-27.9	256.1	16.0	15.6	3.9	316.0	318.8	.9	43.9	15.8	85.
23.3	63.8	6518.0	450.0	-19.3	-34.8	263.9	19.8	19.7	2.1	319.0	320.7	.5	25.3	17.3	84.
24.7	67.1	6940.1	425.0	-22.8	-34.4	267.5	23.8	23.8	1.0	319.7	321.4	.5	33.5	19.2	85.
26.2	70.6	7382.7	400.0	-25.4	-46.9	265.2	26.1	26.0	2.2	322.0	322.6	.1	11.2	21.5	85.
27.9	74.1	7847.0	375.0	-29.6	-49.4	261.5	29.7	29.4	4.4	322.4	322.8	.1	12.5	24.3	85.
29.6	77.8	8335.3	350.0	-33.8	-49.1	261.7	24.7	24.4	3.6	323.2	323.7	.1	19.4	27.2	84.
31.4	81.5	8851.3	325.0	-37.5	-41.6	266.7	23.5	23.5	1.4	324.9	326.0	.3	65.5	29.8	84.
33.3	85.6	9398.1	300.0	-42.1	99.9	268.5	24.6	24.6	.6	326.0	999.9	99.9	999.9	32.4	85.
35.3	89.8	9980.9	275.0	-46.7	99.9	263.8	28.0	27.8	3.0	327.7	999.9	99.9	999.9	35.7	85.
37.5	94.3	10607.1	250.0	-51.1	99.9	266.6	35.3	35.2	2.1	330.0	999.9	99.9	999.9	39.6	85.
39.8	99.0	11283.6	225.0	-55.6	99.9	268.3	41.8	41.8	1.2	333.3	999.9	99.9	999.9	45.2	85.
42.5	104.2	12026.2	200.0	-60.0	99.9	268.0	47.4	47.4	1.7	337.7	999.9	99.9	999.9	52.2	86.
45.5	109.6	12856.4	175.0	-61.8	99.9	266.7	50.0	49.9	2.9	348.0	999.9	99.9	999.9	61.2	86.
49.0	115.5	13817.4	150.0	-58.8	99.9	266.2	55.9	55.7	3.7	368.8	999.9	99.9	999.9	72.7	86.
52.9	122.3	14947.2	125.0	-62.9	99.9	276.5	43.3	43.1	-4.9	381.0	999.9	99.9	999.9	83.9	87.
57.6	129.7	16308.1	100.0	-65.5	99.9	277.7	29.2	28.9	-3.9	401.3	999.9	99.9	999.9	93.4	87.
63.0	137.7	18046.4	75.0	-66.6	99.9	271.5	25.8	25.8	-.7	433.3	999.9	99.9	999.9	101.9	88.
71.2	147.0	20528.3	50.0	-60.5	99.9	283.8	16.6	16.1	-4.0	500.8	999.9	99.9	999.9	112.8	88.
84.0	156.7	24998.1	25.0	-46.6	99.9	277.6	29.5	29.2	-3.9	651.0	999.9	99.9	999.9	121.2	88.

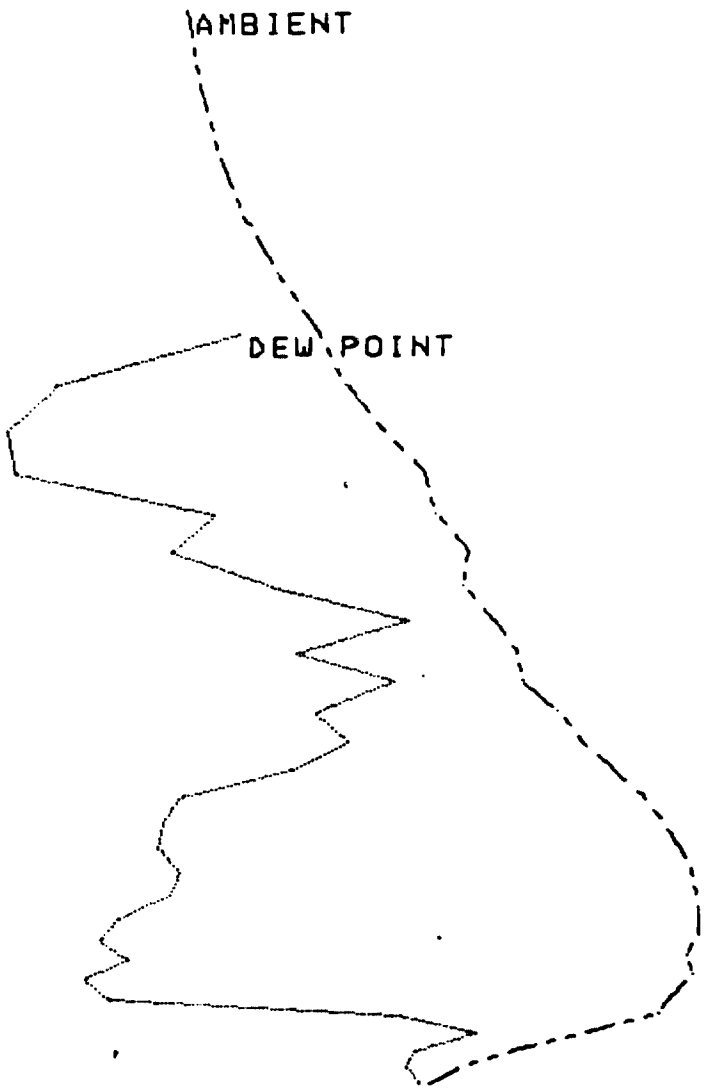
***** USER SELECTED STATION # 39, SOUNDING # 9
STATION NO. 999
OXFORD, MISSISSIPPI
11 APR 1979
1200 GMT
NO. OF CONTACTS = 0 MINIMUM PRESSURE = 0. ANGLE IDENTIFIER = 0

TIME MIN	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT DG C	DIR DG	SPEED M/SEC	U COMP M/SEC	V-COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.

OUTPUT #2 -- SKEW T Plot

This is a logarithmic graphical representation of dew point and ambient temperature for an AVE-SESAME sounding.


ORIGINAL PAGE IS
OF POOR QUALITY



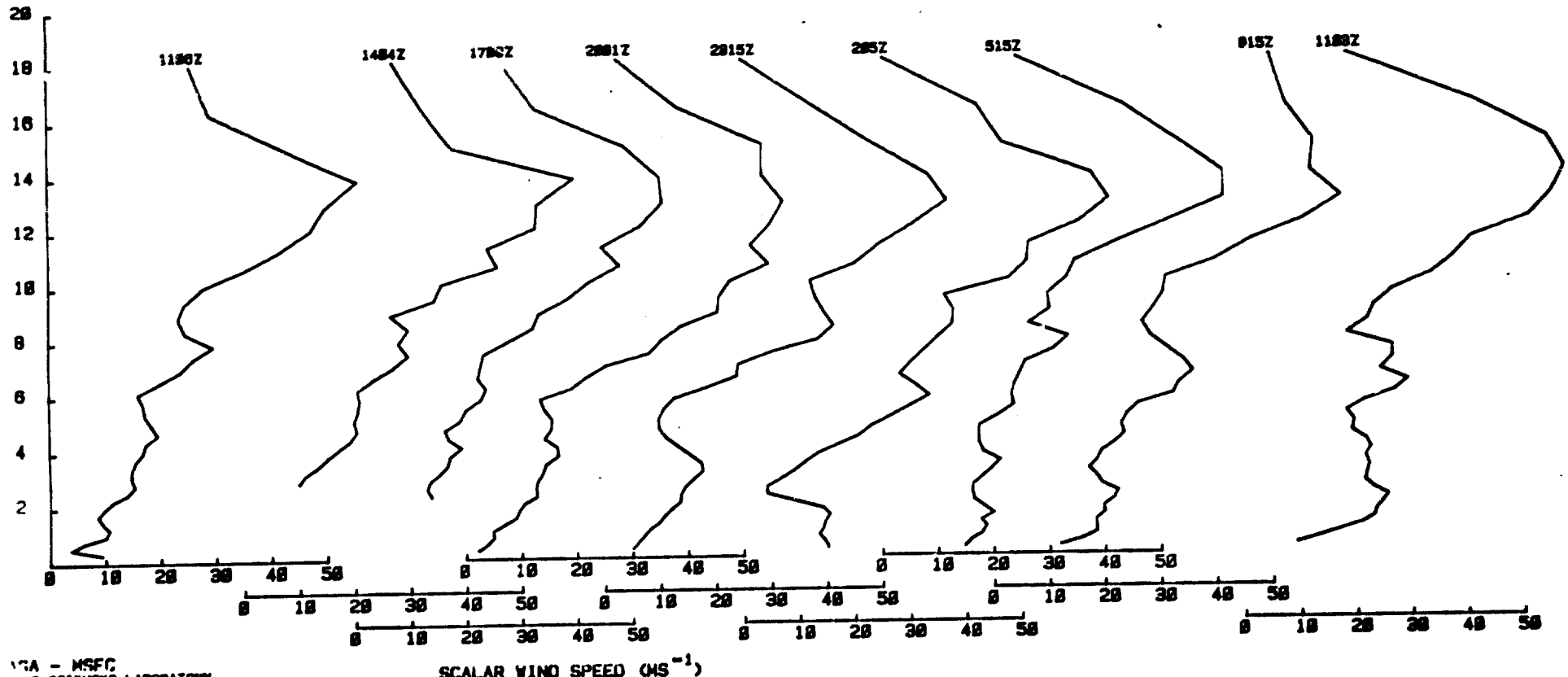
229 CENTERVILLE, ALABAMA

1106 10 APR 1979

OUTPUT #3 -- Wind Speed Profile

This is a graphical representation of wind speeds for all AVE-SESAME soundings with respect to a particular station.

AVE-SESAME I 25-MB WIND PROFILE DATA
CENTERVILLE, ALABAMA
APR 10-11, 1979



NASA - MSFC
SPACE SCIENCES LABORATORY
ATMOSPHERIC SCIENCES DIV.

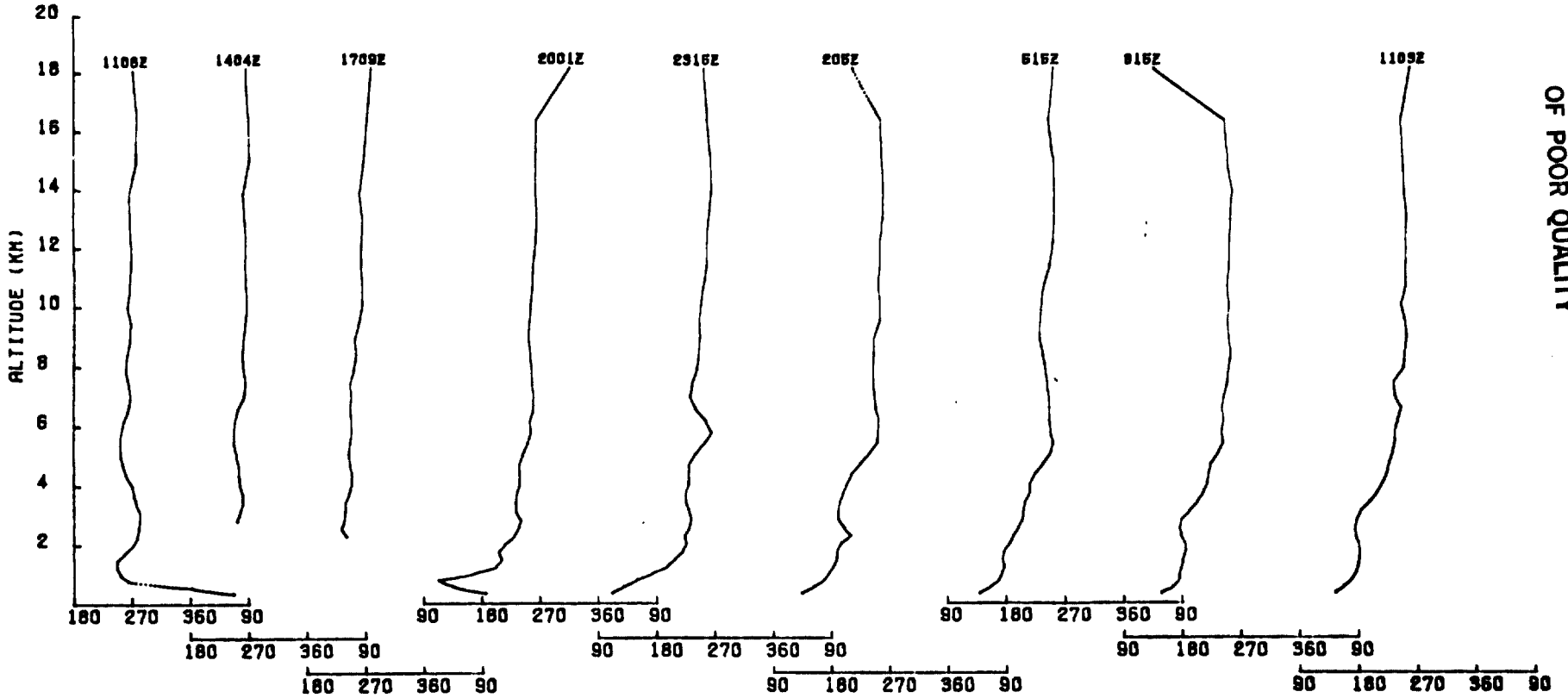
OUTPUT #4 -- Wind Direction Profile

This is a graphical representation of wind directions for all AVE-SESAME soundings with respect to a particular station.

AVE-SESAME I 25-MB WIND PROFILE DATA

CENTERVILLE, ALABAMA

APR 10-11, 1979



NASA - MSFC
SPACE SCIENCES LABORATORY
ATMOSPHERIC SCIENCES DIV.

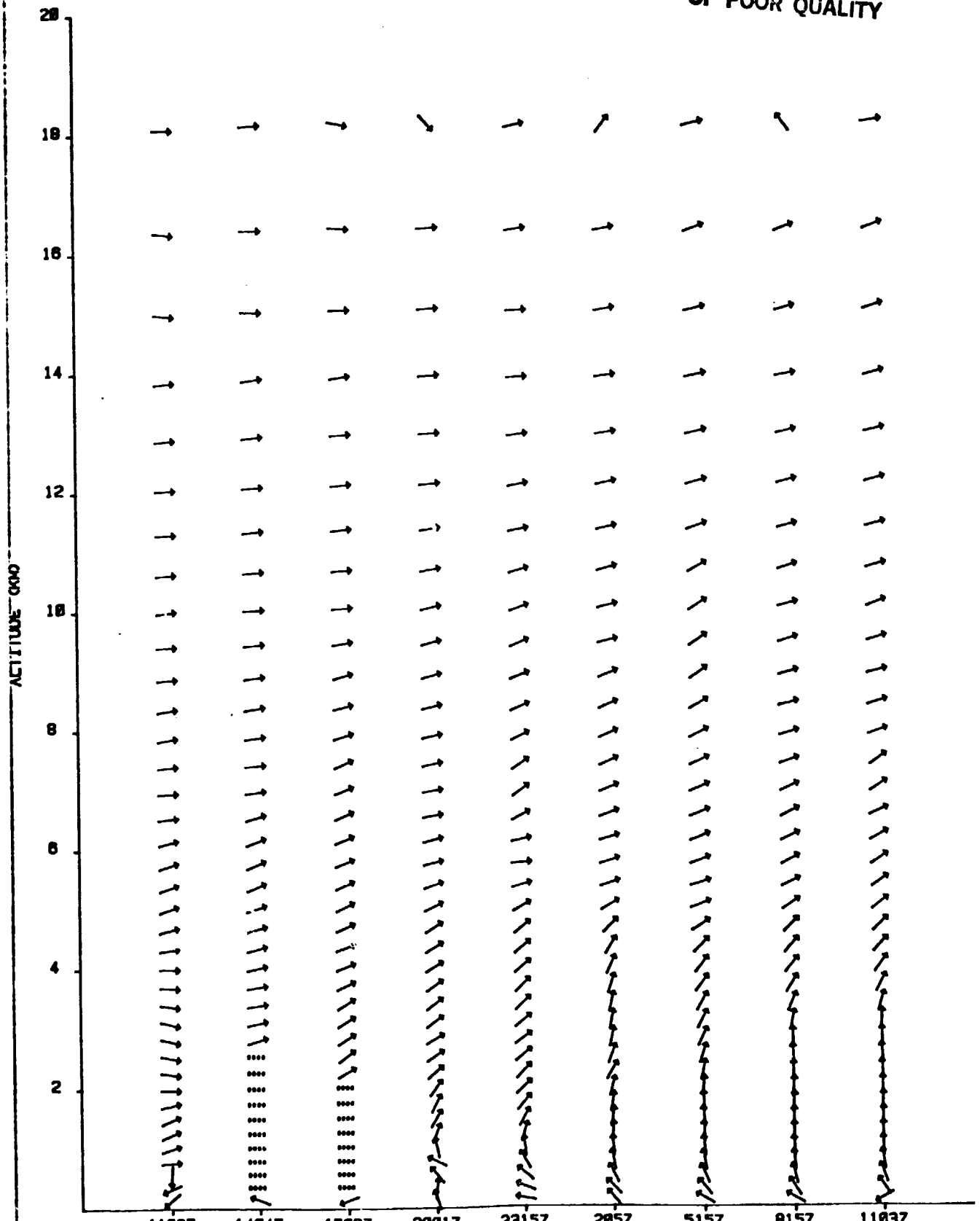
OUTPUT #5 -- Wind Vector Profile

This is a graphical representation of wind direction vector for all AVE-SESAME soundings with respect to a particular station.

AVE-SESAME I 25-MB WIND VECTOR DATA

CENTERVILLE, ALABAMA

APR 10-11, 1979



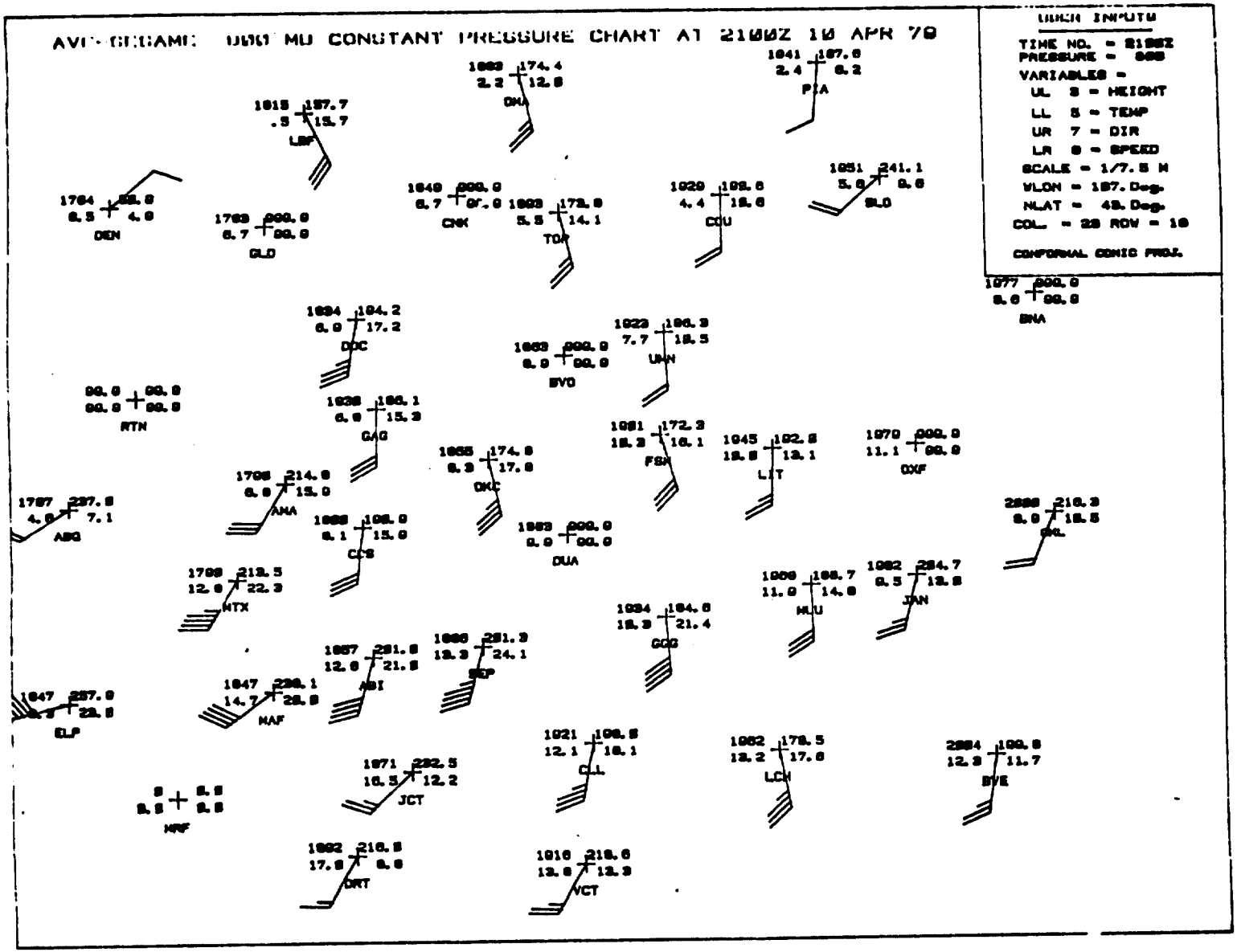
NASA - MSFC

OUTPUT #6 -- 25 Mb Station Plot

This is a graphical representation of various user selected variables plotted at each station location for a given 25 Mb level for all AVE-SESAME soundings.

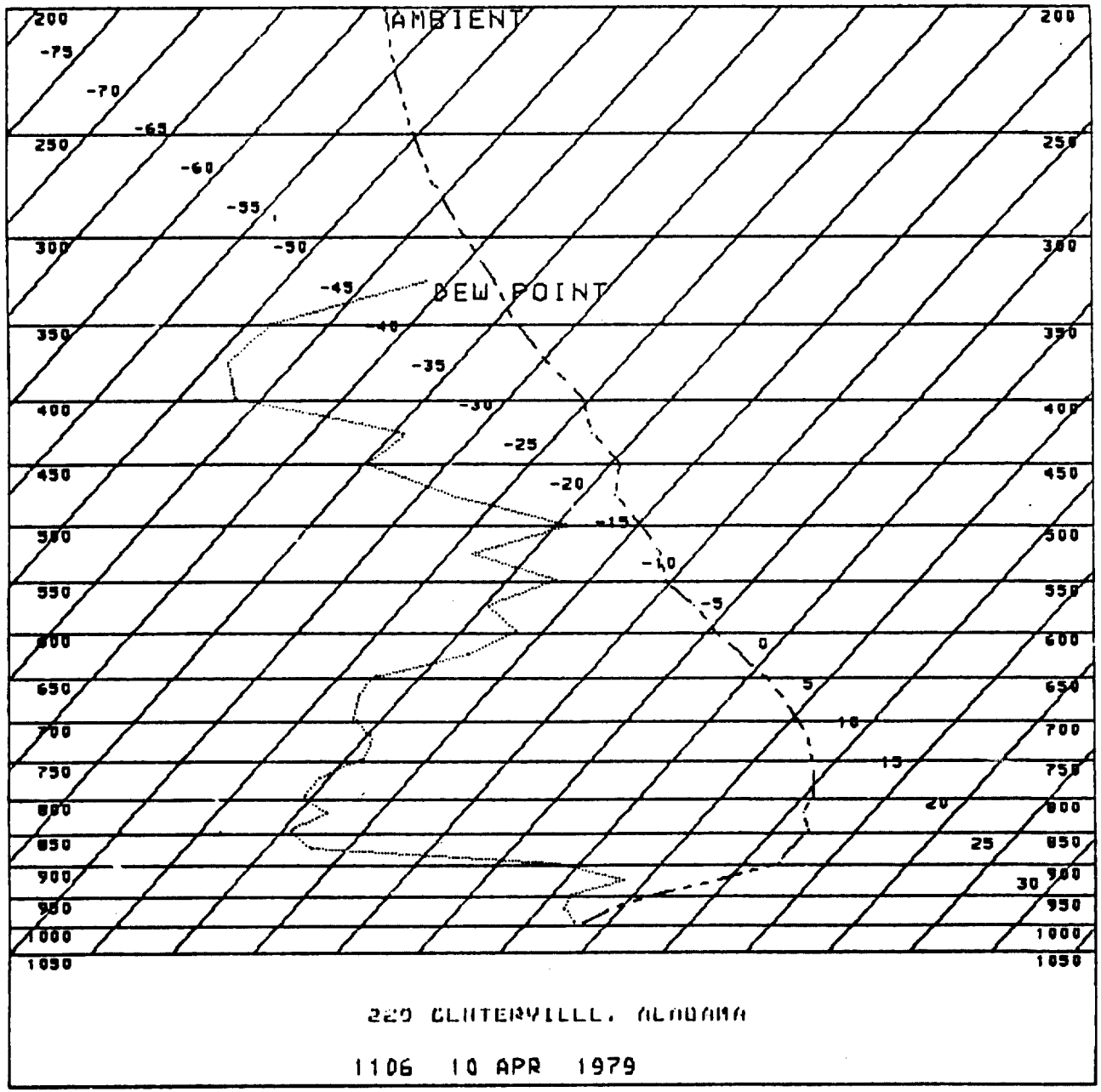
Variable List:

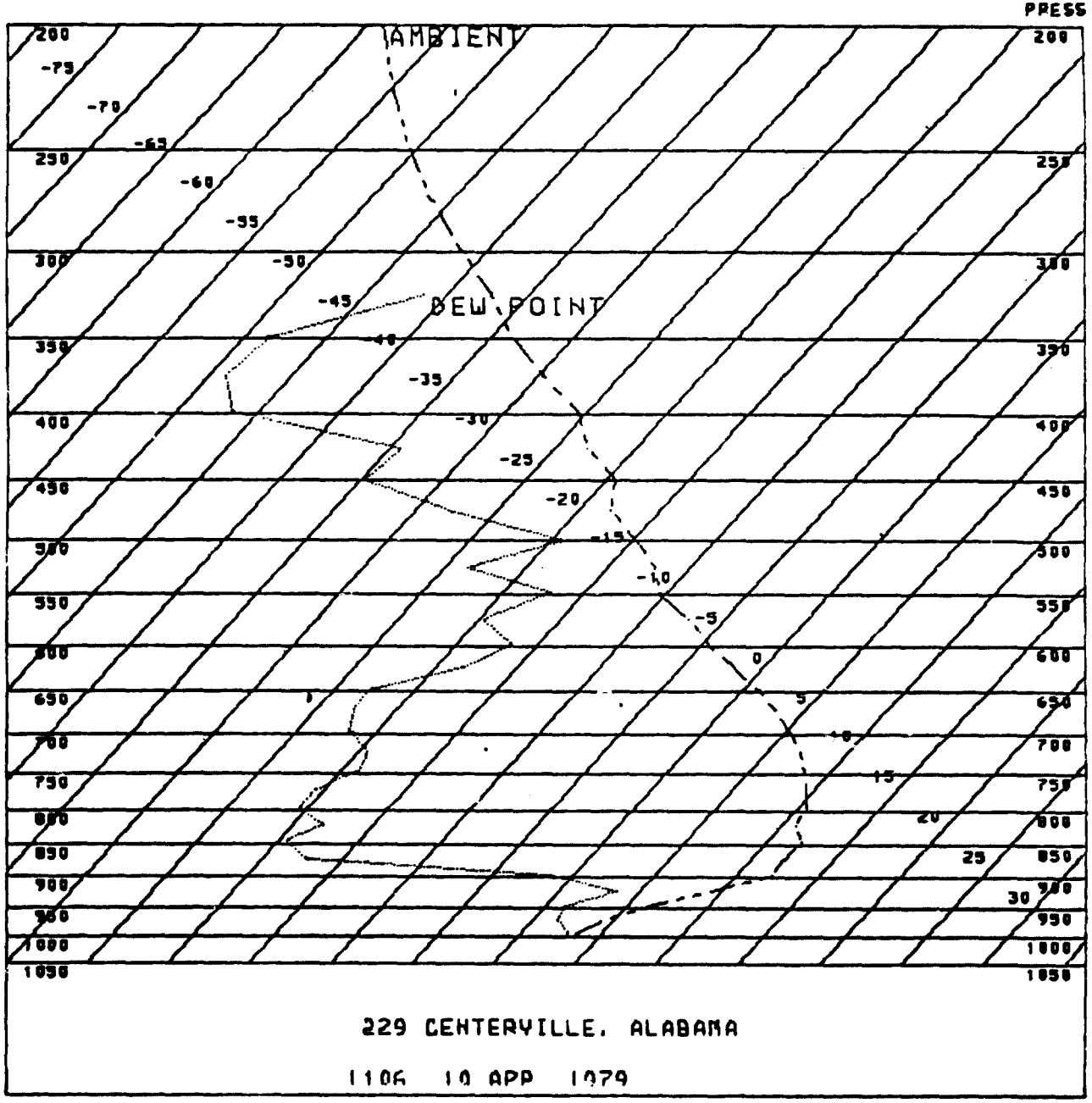
1. Time
2. Contact
3. Height
4. Pressure
5. Temperature
6. Dew Point
7. Direction
8. Speed
9. U Component
10. V Component
11. Plot Temperature
12. E Potential
13. Mix Ratio
14. Rel Humidity
15. Range
16. Azimuth



OUTPUT #7 -- SKEW T Base Map Plot

This is a logarithmic graphical representation of dew point and ambient temperature for an AVE-SESAME sounding. In addition a logarithmic base map is generated eliminating the special SKEW T map paper.





WS	WD
47.4	260.0
41.8	260.3
35.3	266.6
28.0	263.8
24.6	260.5
23.5	266.7
24.7	261.7
29.7	261.5
26.1	265.2
23.8	267.5
19.8	263.9
16.8	256.1
16.9	253.0
17.2	251.6
18.4	252.3
19.5	256.2
17.4	262.2
16.9	270.3
15.5	273.1
14.8	277.0
14.7	282.7
15.3	282.2
14.0	280.4
11.3	278.0
9.7	270.9
8.6	258.3
9.4	246.7
10.7	246.6
10.1	252.7
6.8	266.2
3.7	4.5
9.4	66.7
99.9	99.9