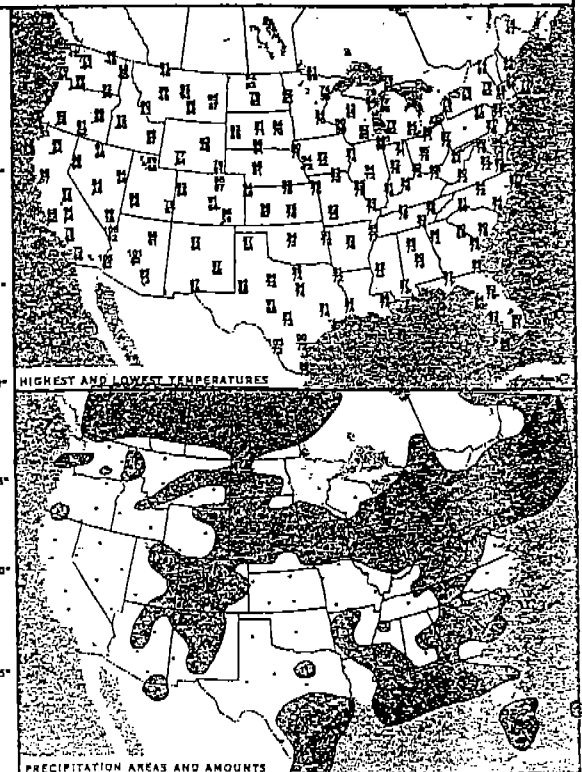
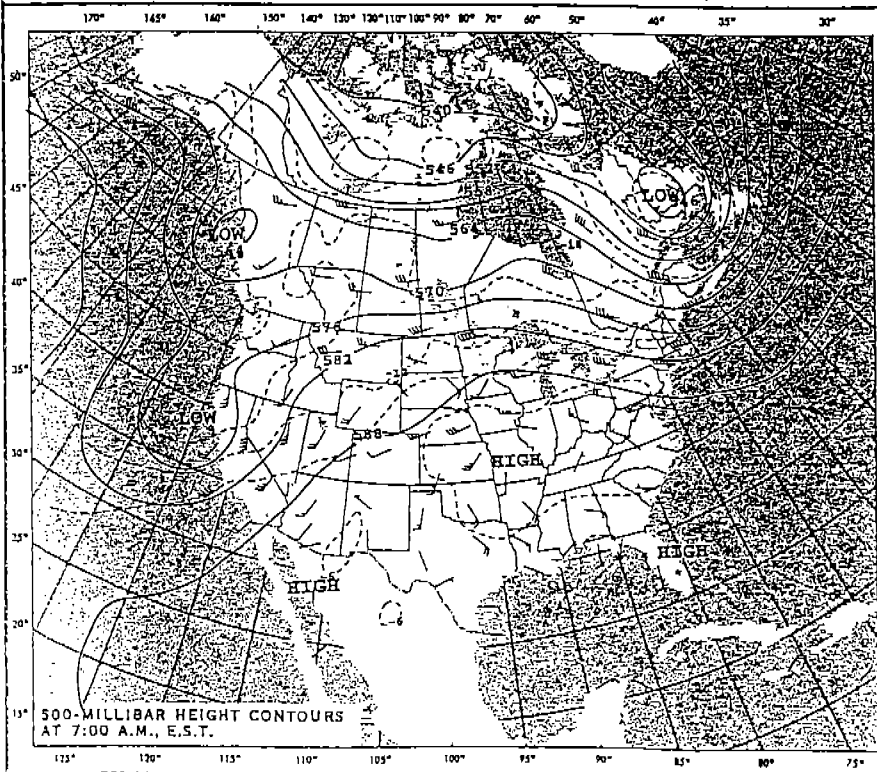
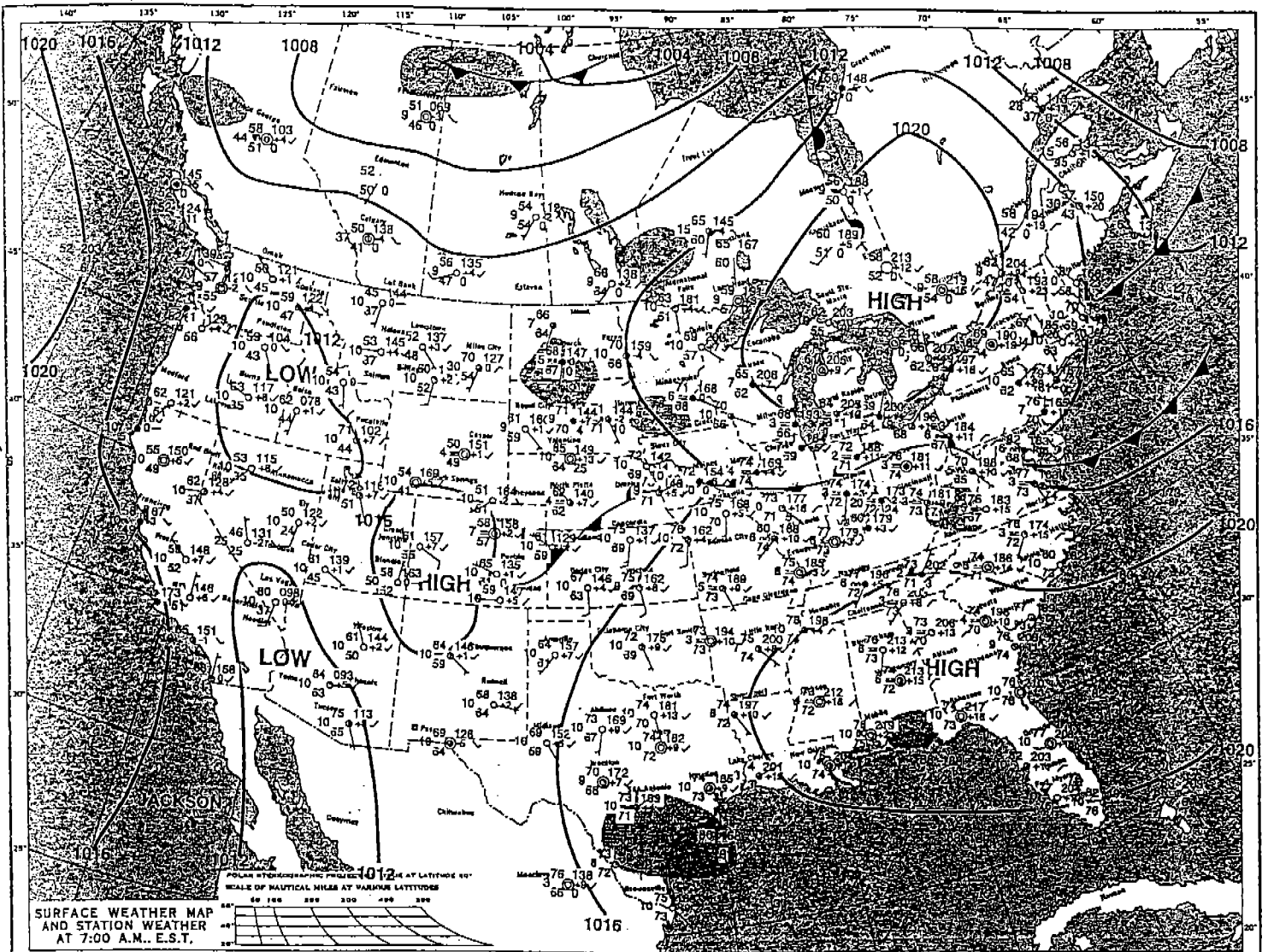


US EPA ARCHIVE DOCUMENT



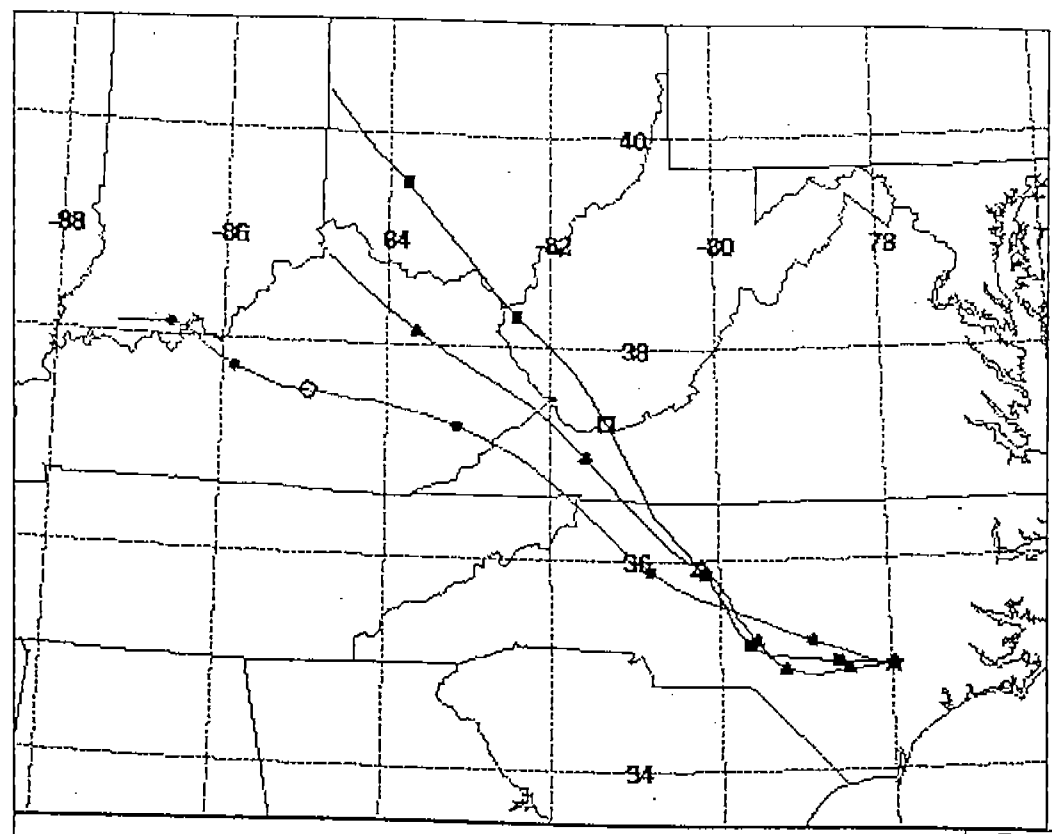


NOAA Air Resources Laboratory
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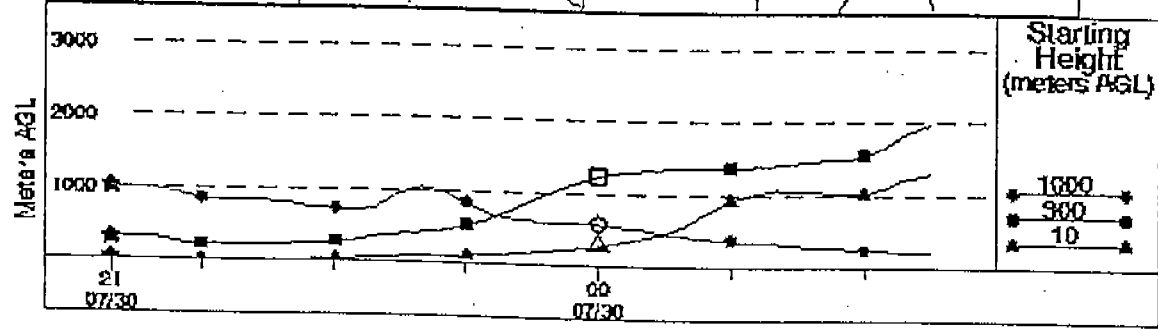
NOAA AIR RESOURCES LABORATORY

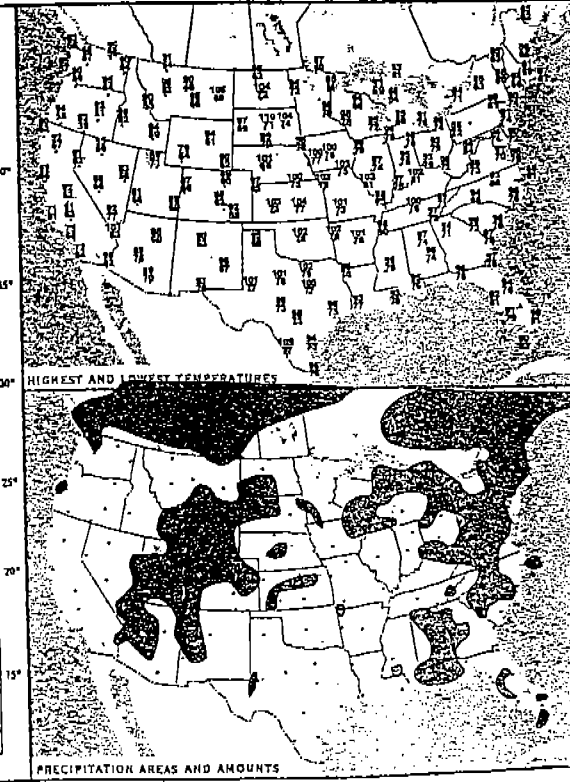
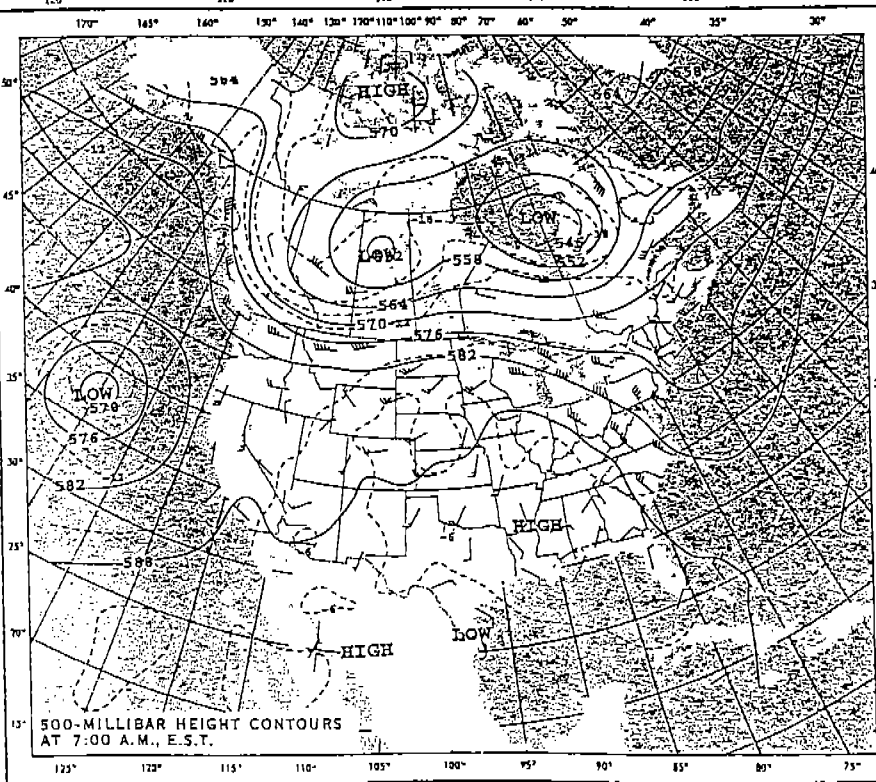
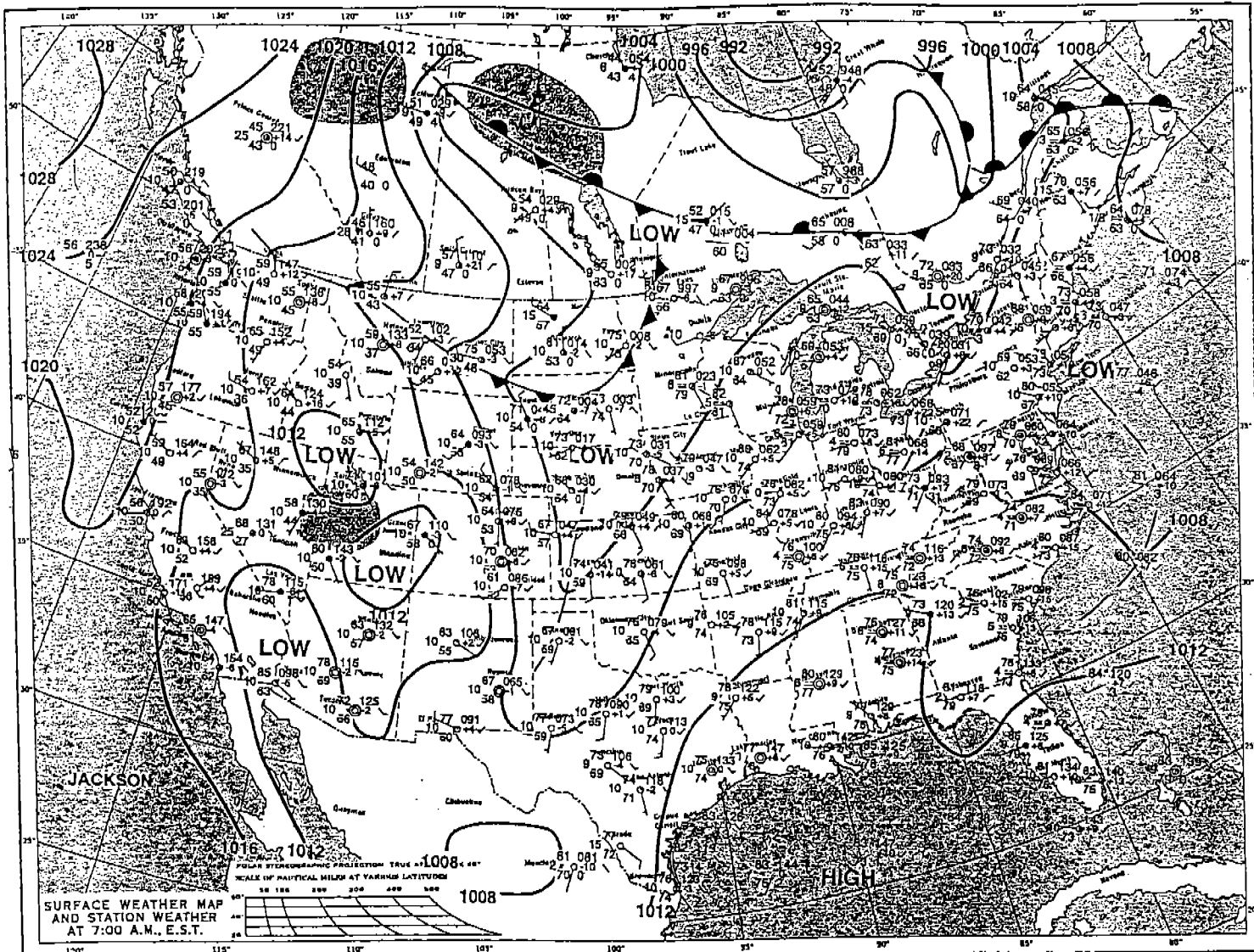
Backward Trajectories Ending- 21 UTC 30 JUL 99

Source Location ★ at 35.00 N 77.98 W



EDAS Meteorological Data
 Vertical Motion Method - OMEGA





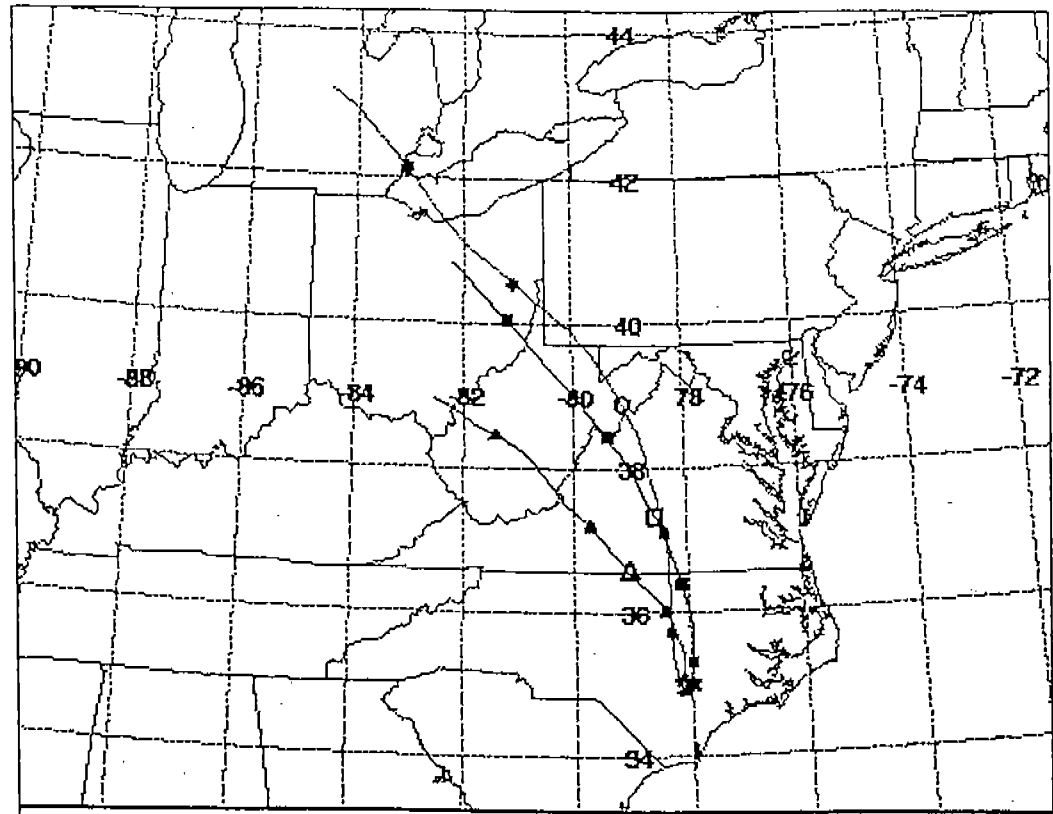


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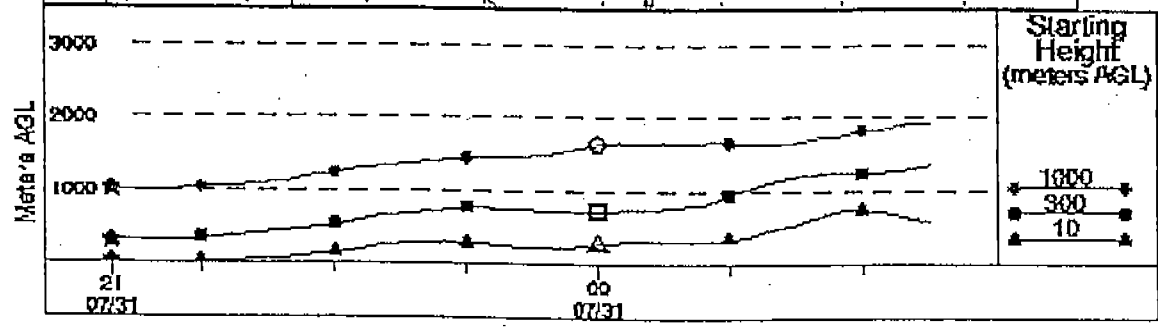
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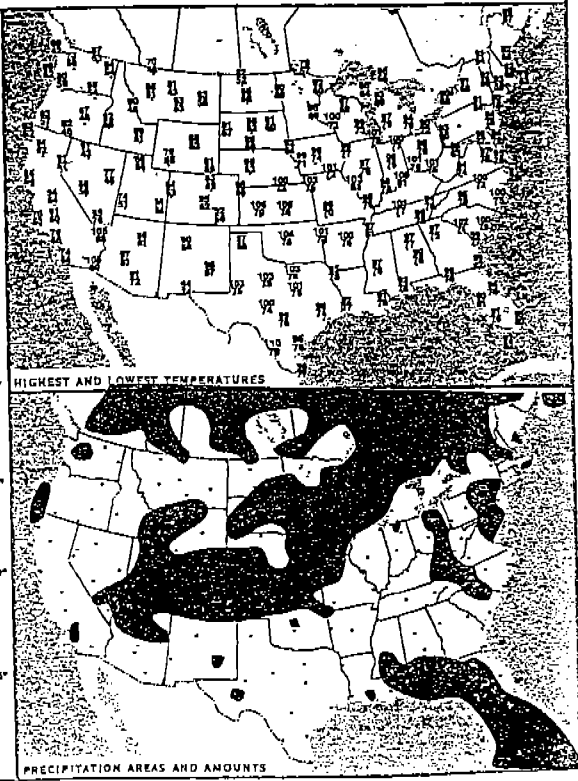
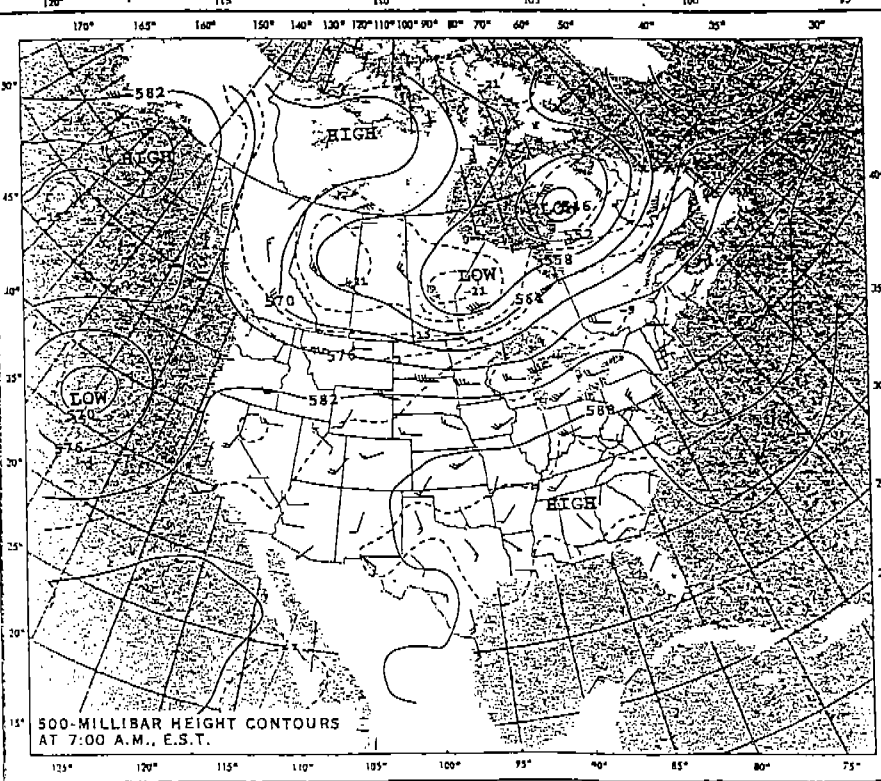
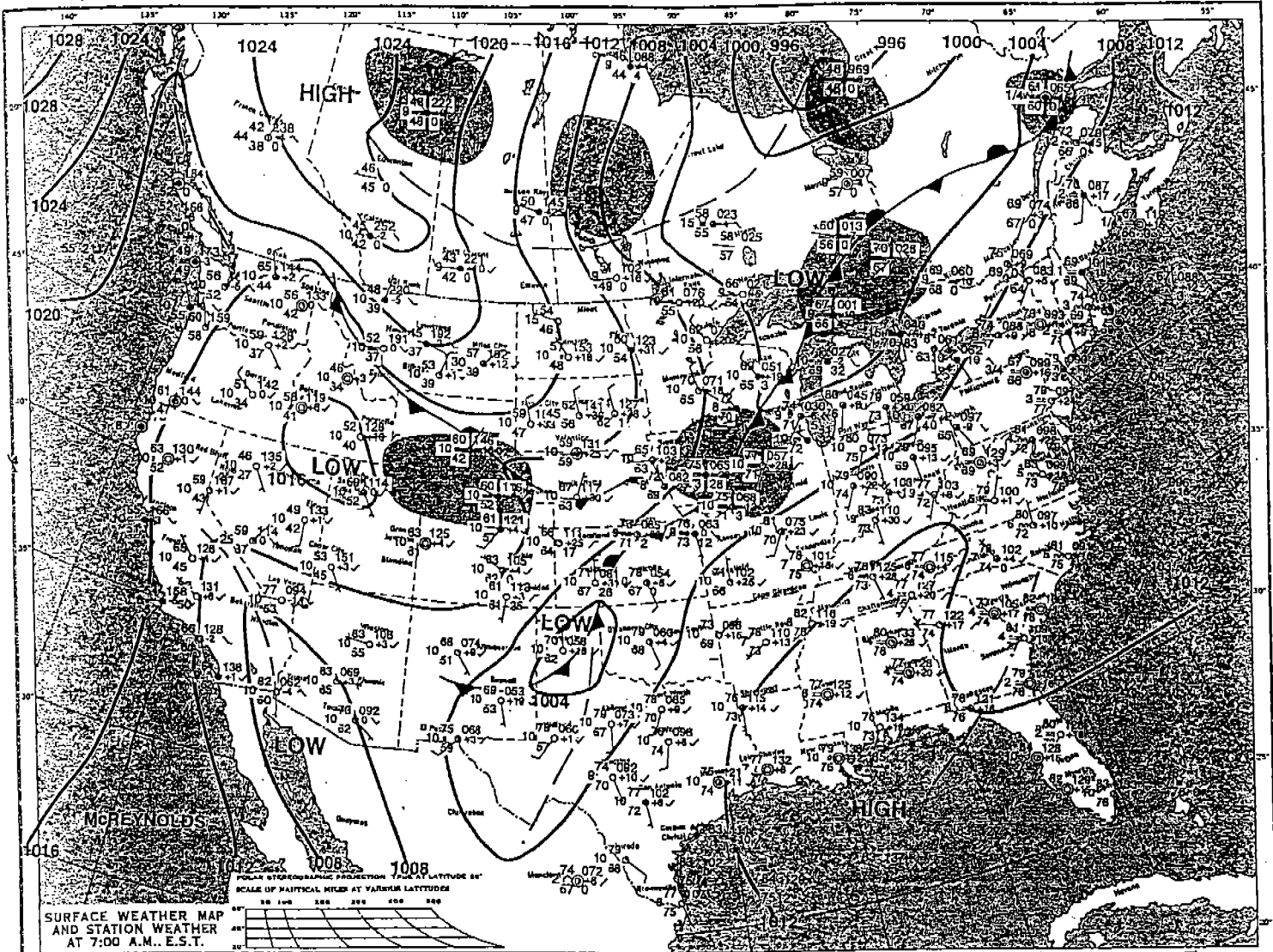
Backward Trajectories Ending- 21 UTC 31 JUL 99

Source Location ★ at 35.00 N 77.98 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





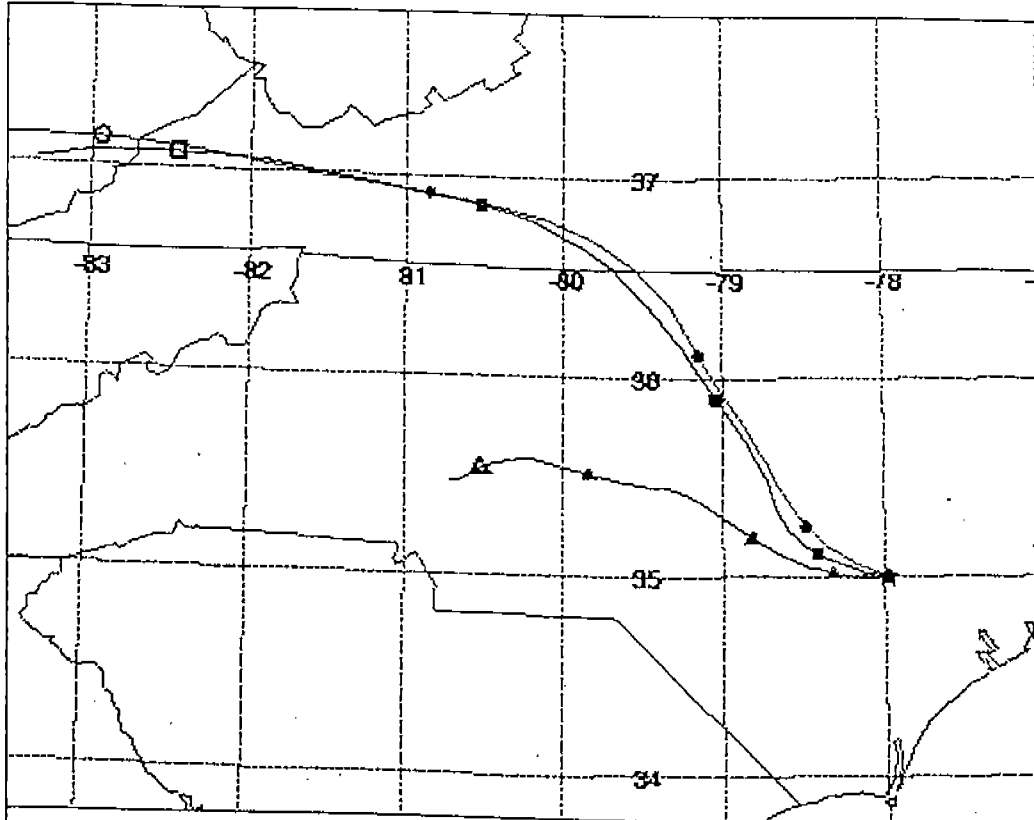


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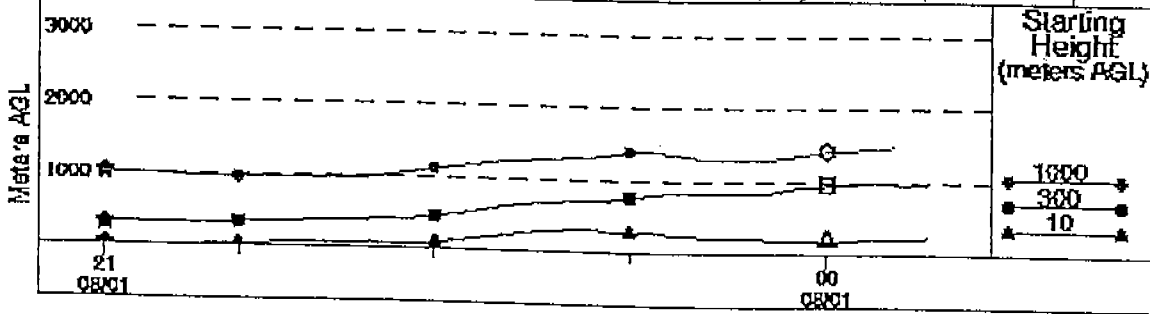
NOAA AIR RESOURCES LABORATORY

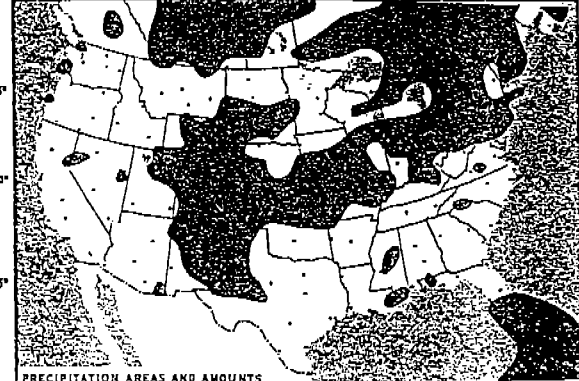
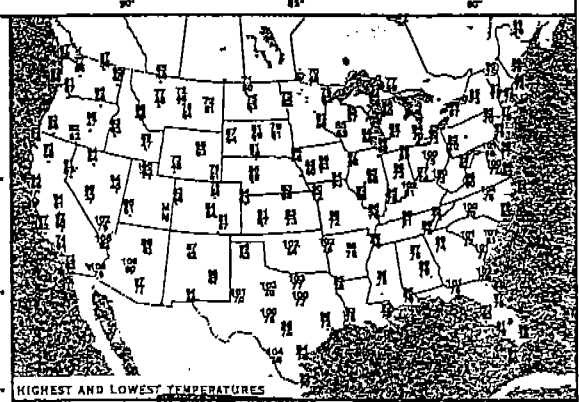
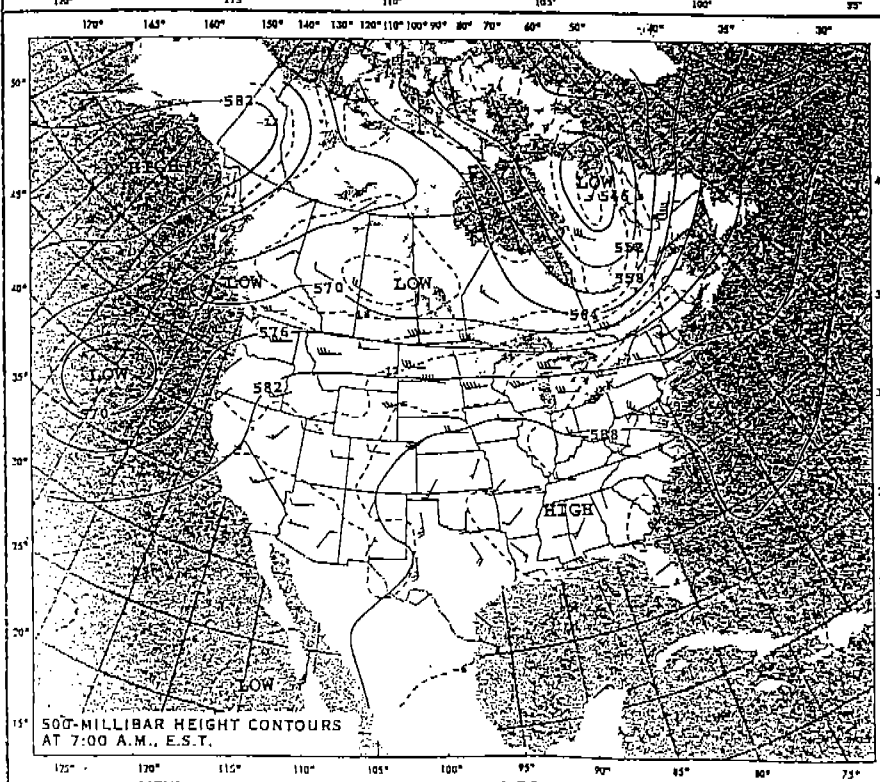
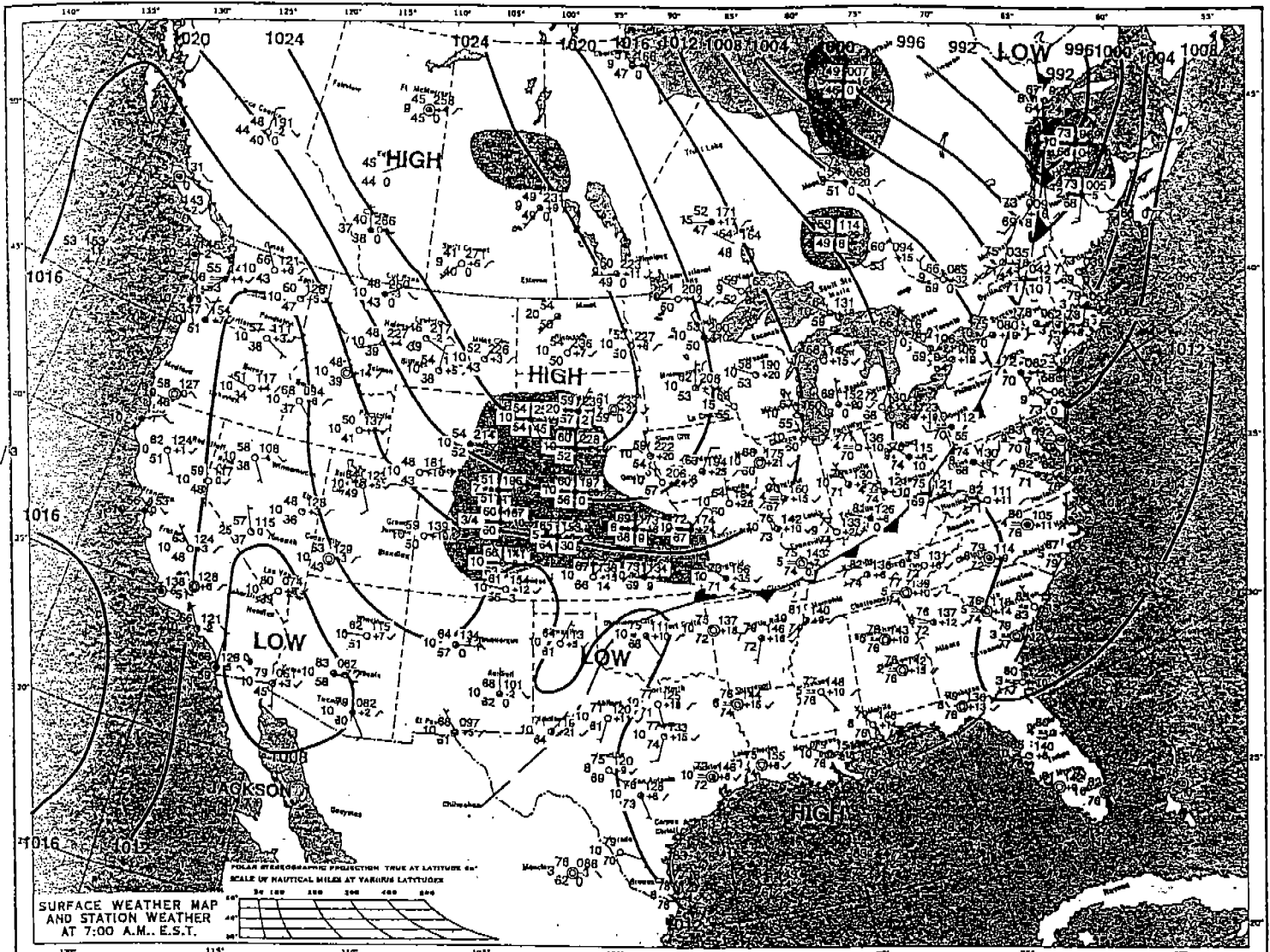
Backward Trajectories Ending- 21 UTC 01 AUG 99

Source Location * at 35.00 N 77.98 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





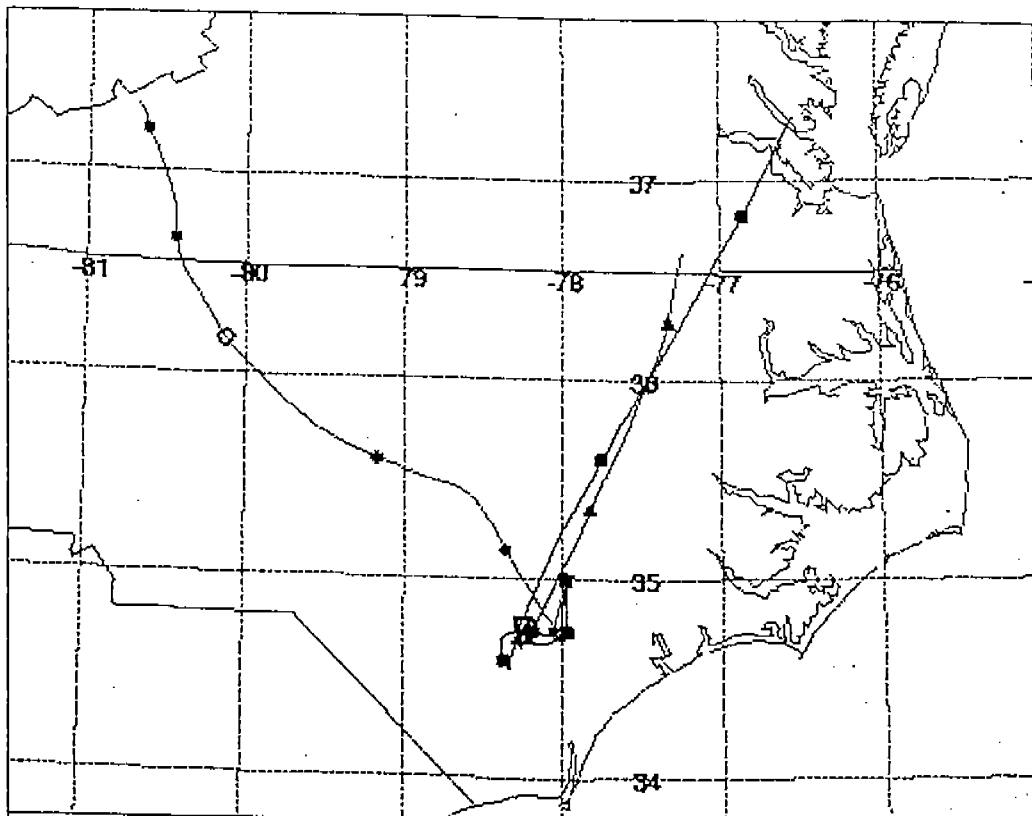


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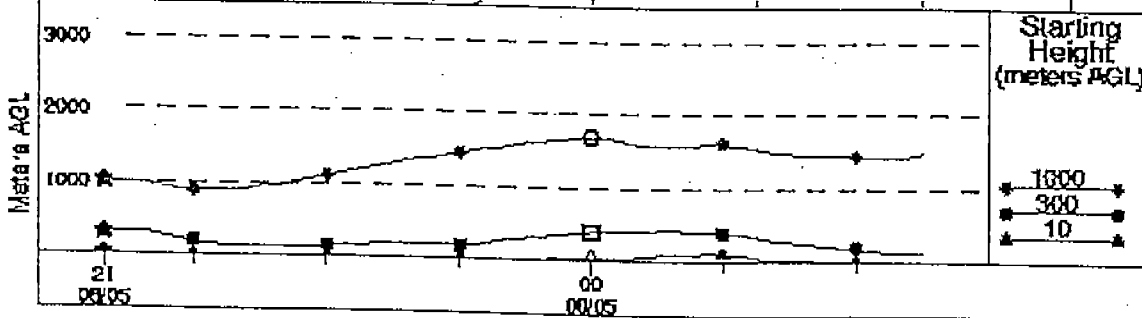
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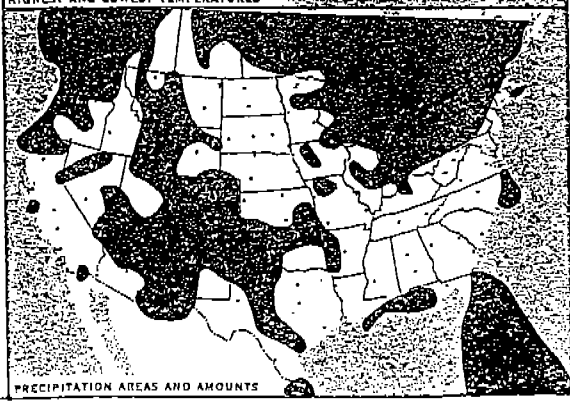
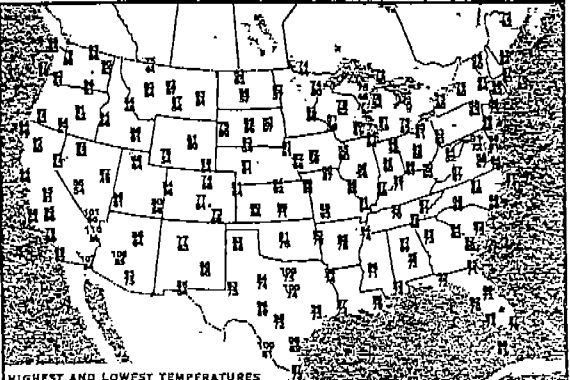
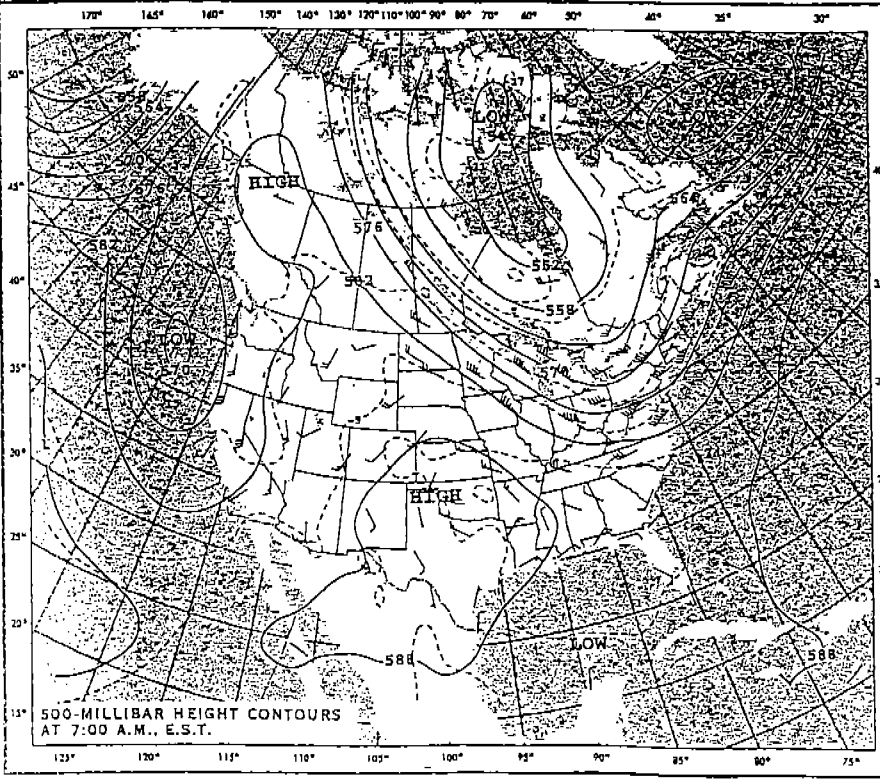
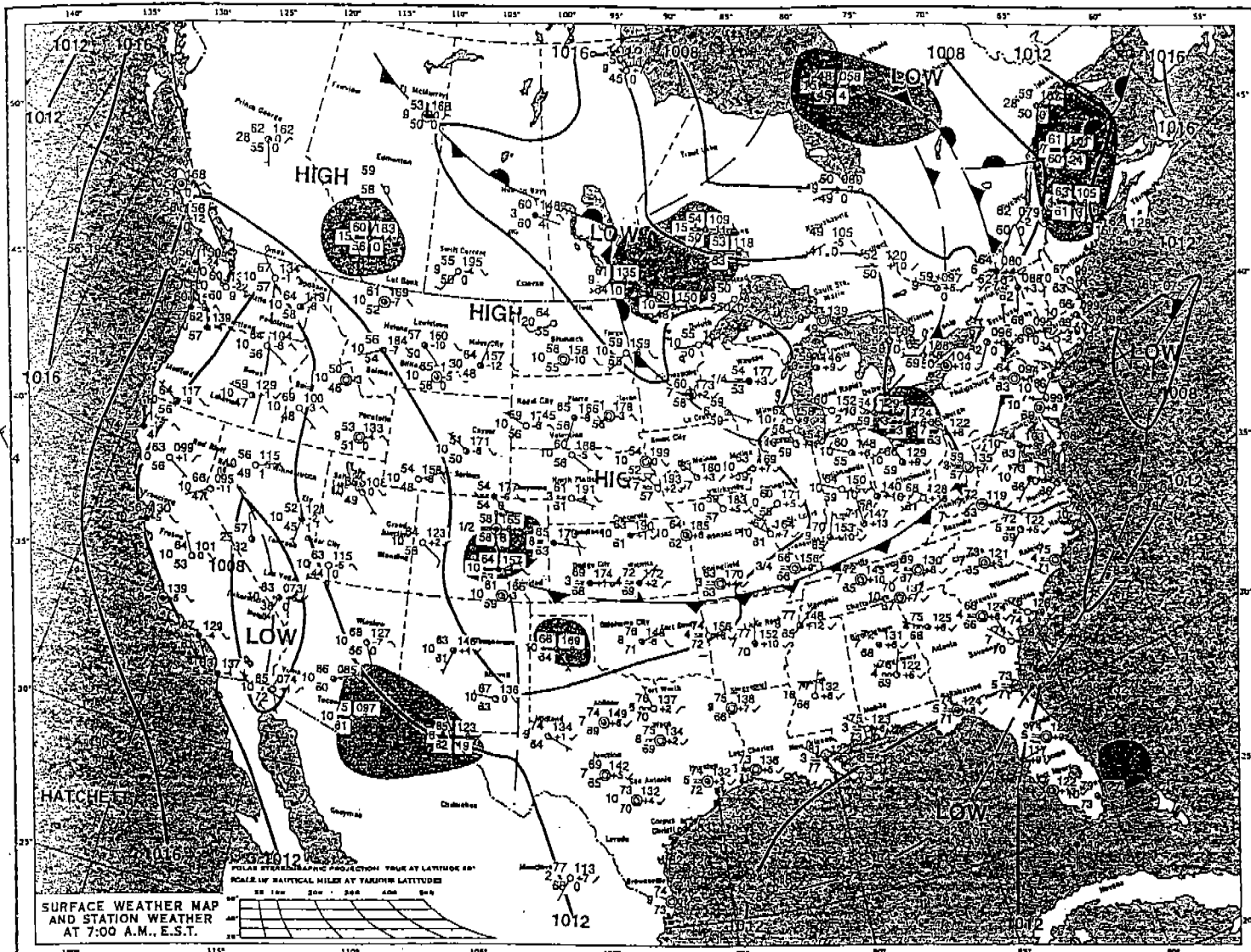
Backward Trajectories Ending 21 UTC 05 AUG 99

Source Location * at 35.00 N 77.98 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA







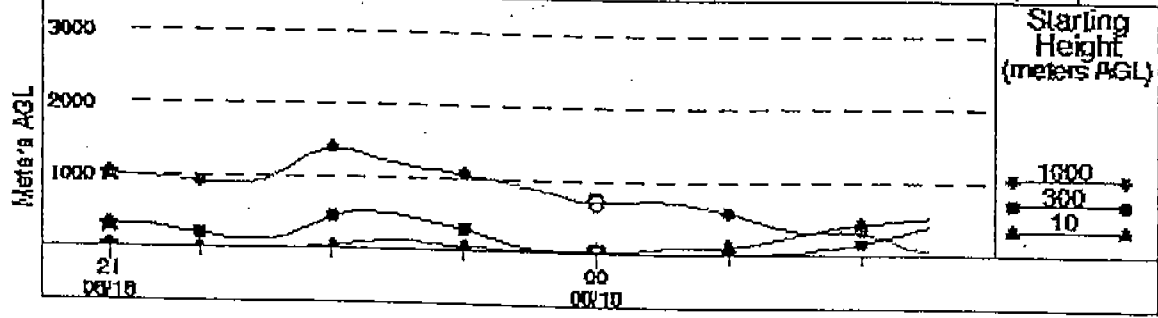
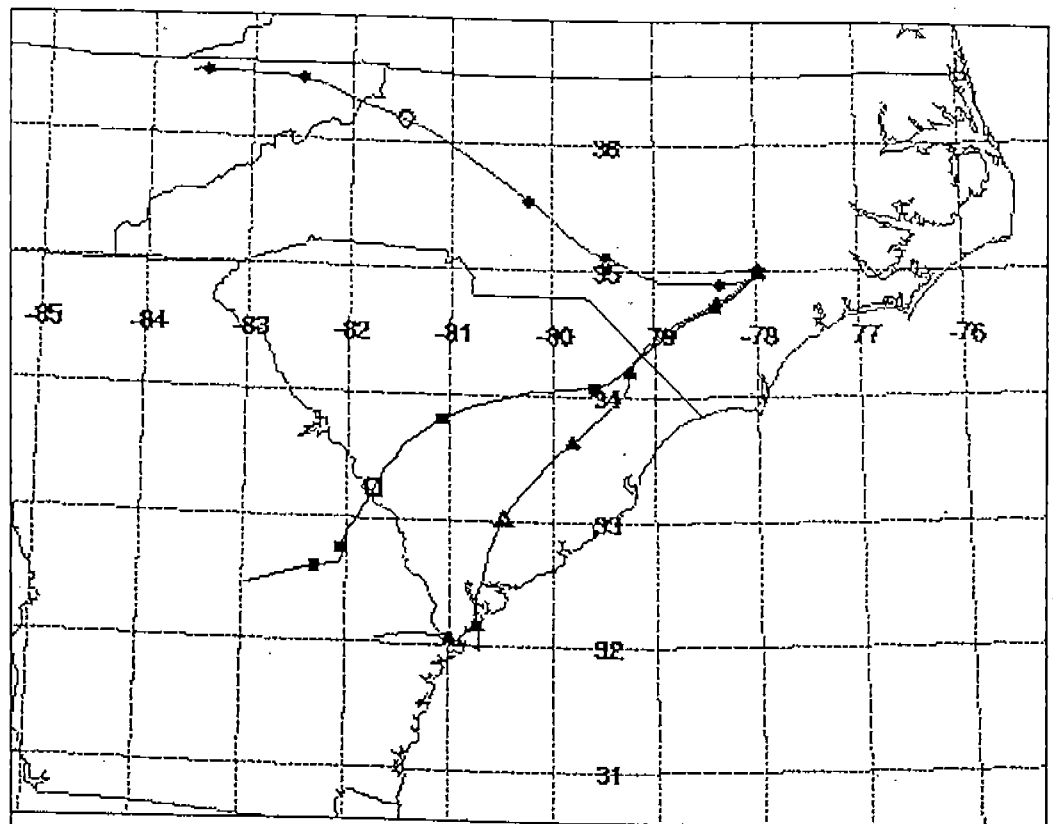
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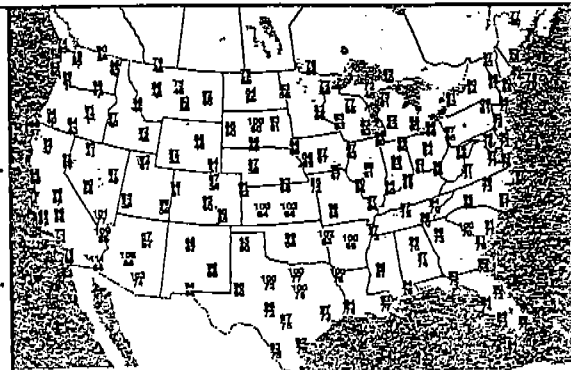
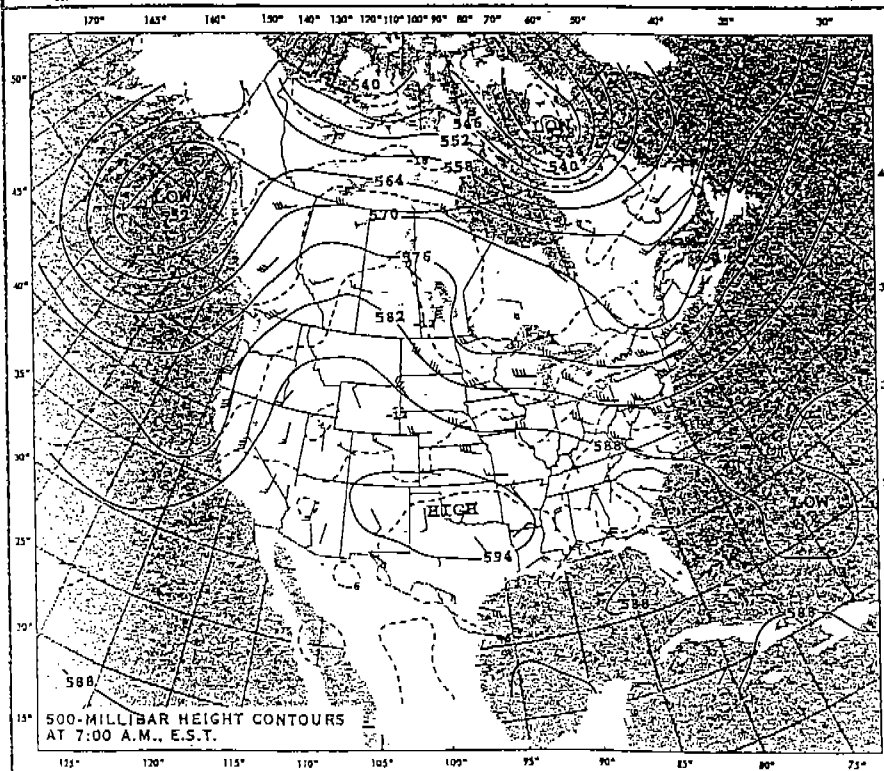
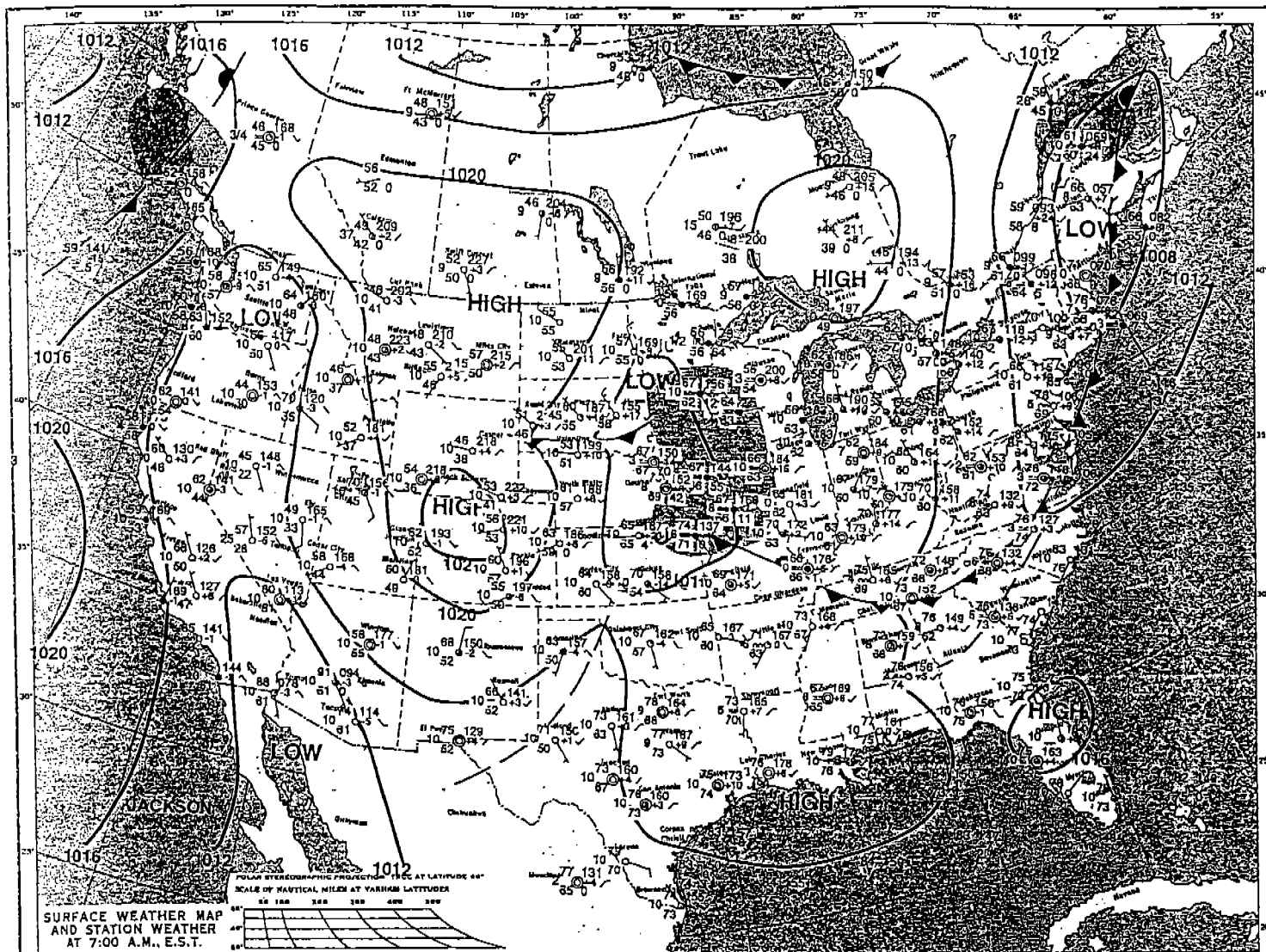
NOAA AIR RESOURCES LABORATORY

Backward Trajectories Ending- 21 UTC 18 AUG 99

Source Location * at 35.00 N 77.98 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA





Ozone Exceedence Day Back Trajectories

Monitor Site: Kinston / Lenoir College
Monitor ID: 371070004
Latitude: 35.23N
Longitude: -77.56W

Back Trajectory Model: HYSPLIT4
Archived Meteorological Dataset: EDAS
Vertical Motion Scheme: Model Vertical Velocity
Back Trajectory Duration: 36 Hours
Trajectory End Time: 20 UTC
Trajectory Heights: 1000m
300m
10m

Total 1997 8-Hour Ozone Exceedences:

0 - Monitor not in operation

1997 Ozone Exceedence Dates:

May -

June -

July -

August -

September -

Total 1998 8-Hour Ozone Exceedences:

9

1998 Ozone Exceedence Dates:

May - 16, 19, & 20

June - 3 & 26

July -

August - 22

September - 12, 13, & 14

Total 1999 8-Hour Ozone Exceedences:

6

1999 Ozone Exceedence Dates:

May -

June - 8 & 9

July - 20, 23, & 29

August - 18

September -

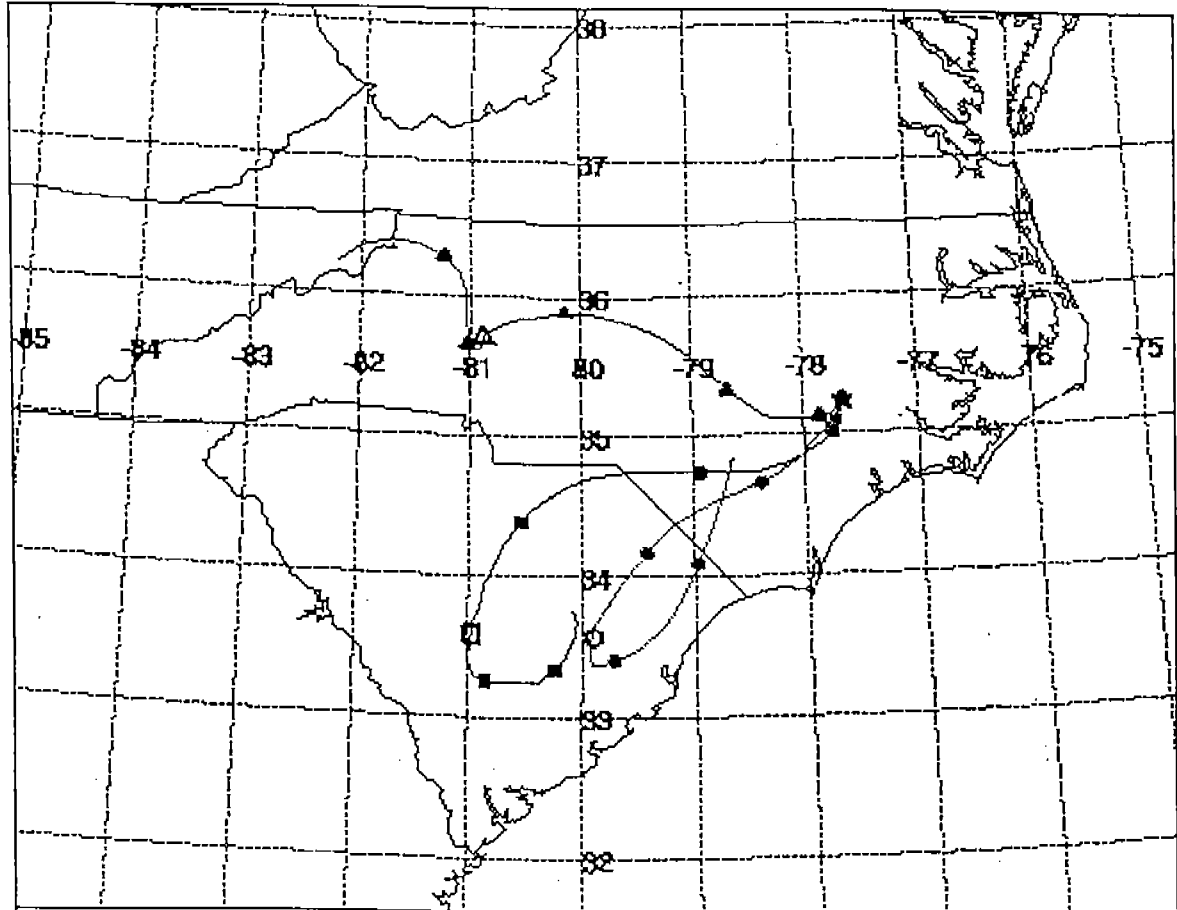


NOAA Air Resources Laboratory

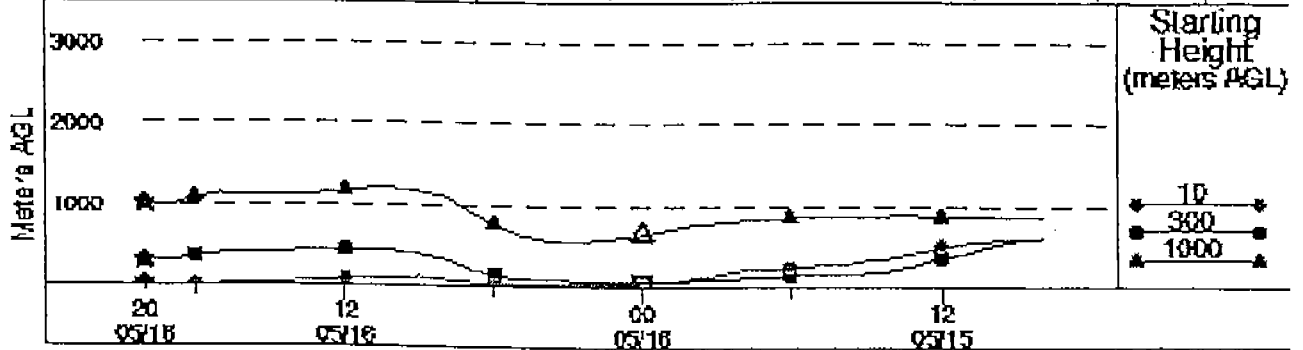
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 16 MAY 98

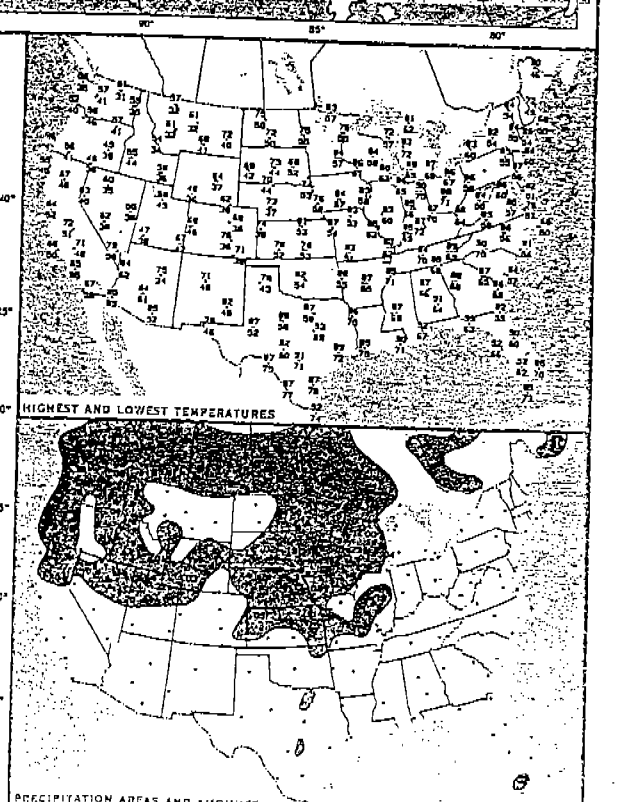
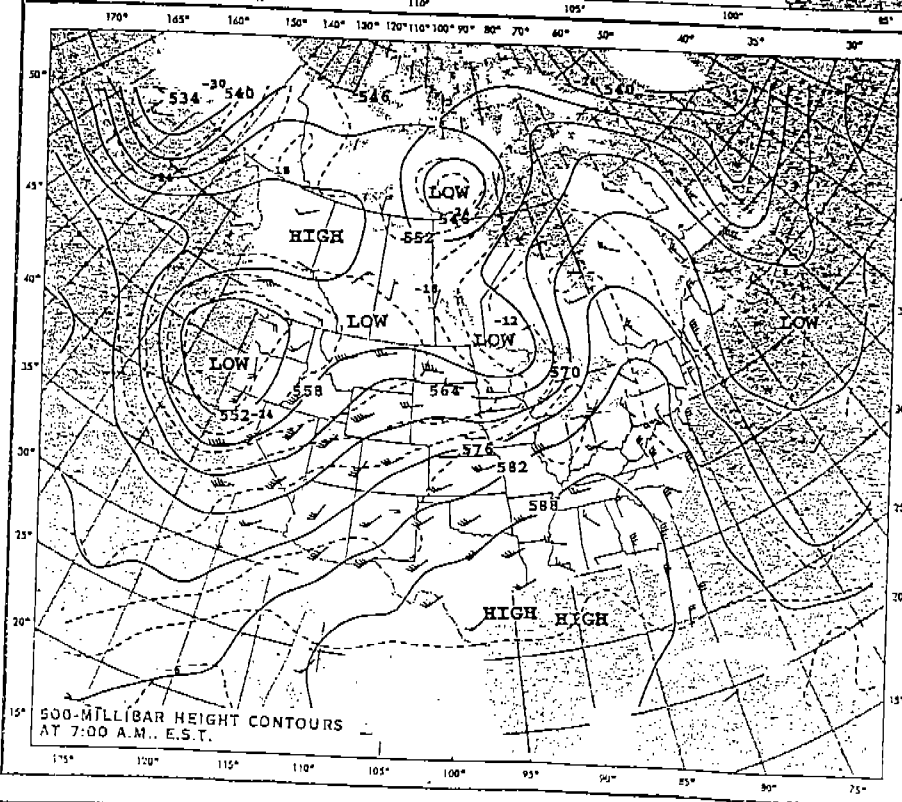
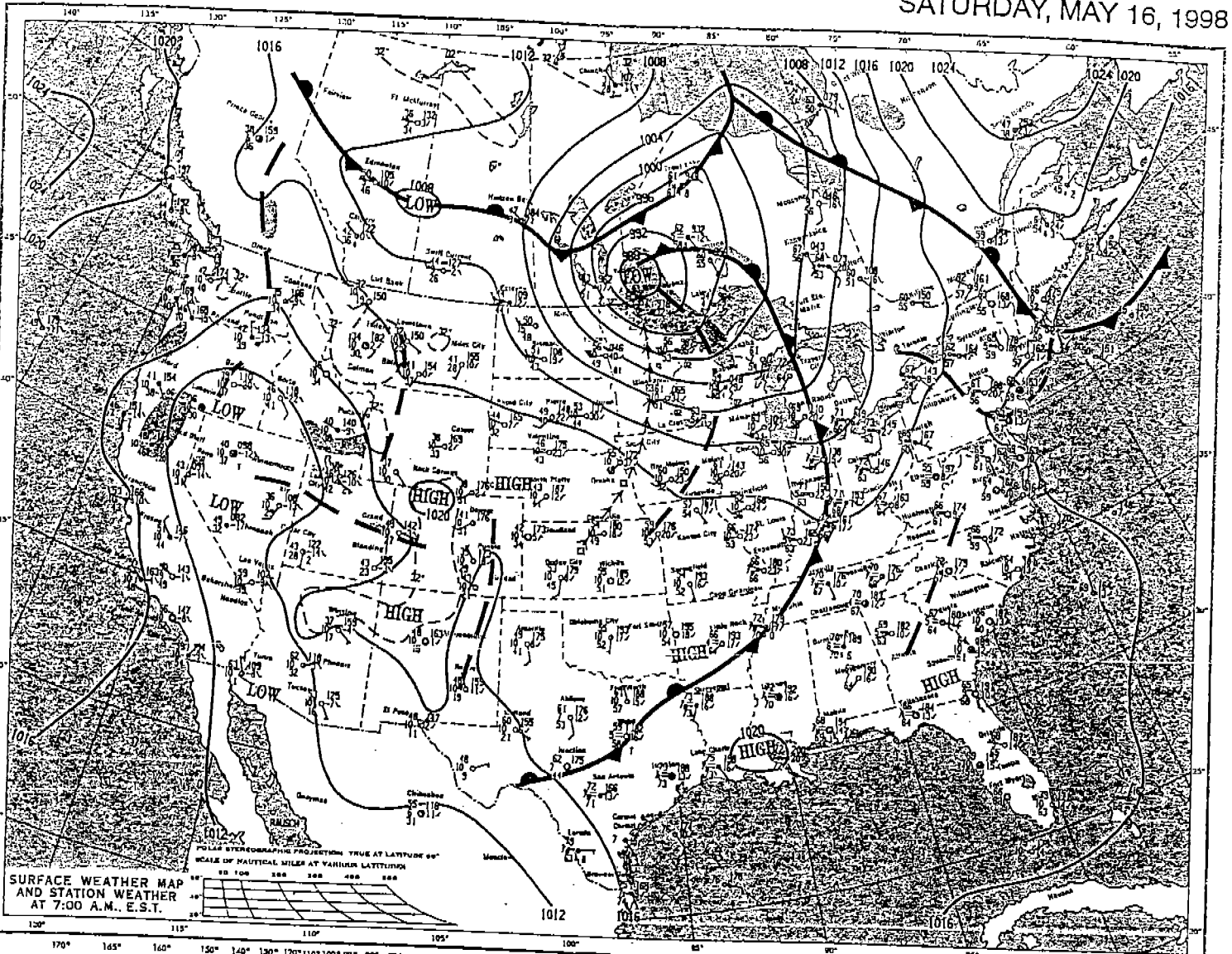
Source Location ★ at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



SATURDAY, MAY 16, 1998





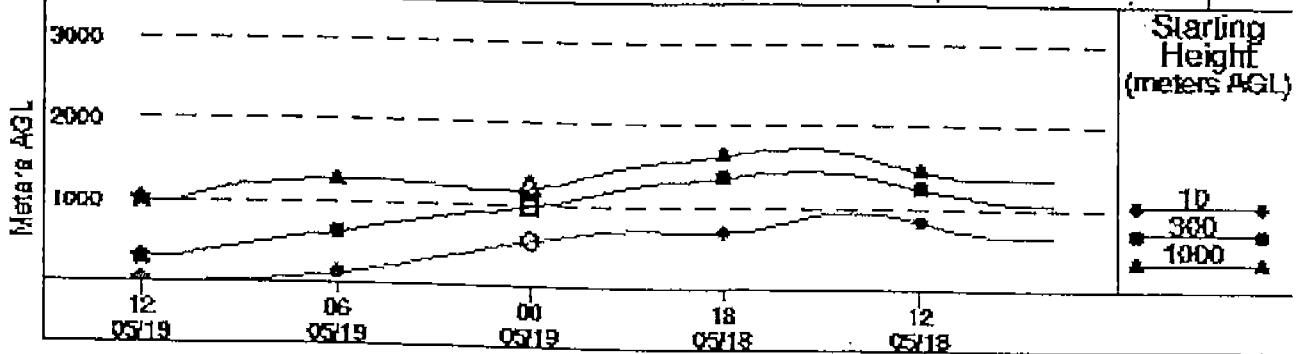
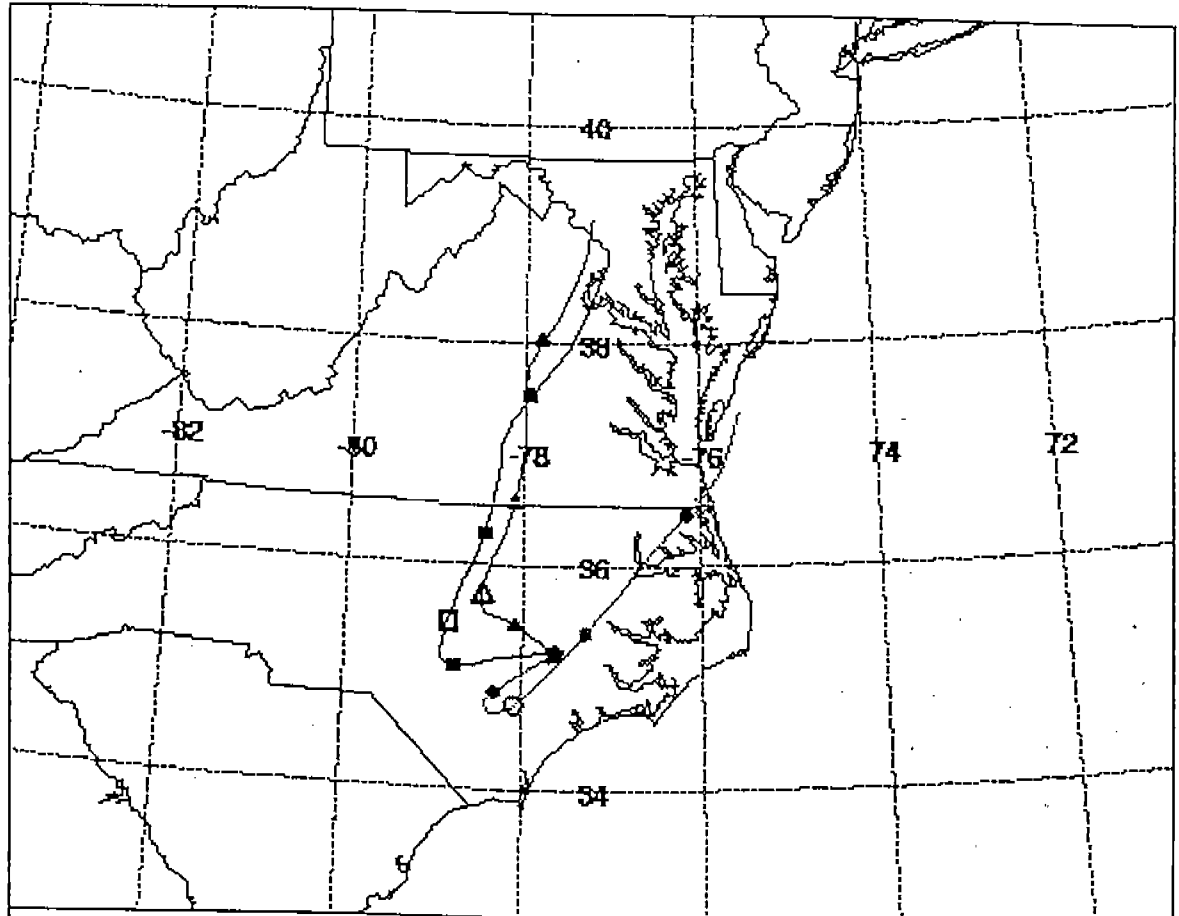
NOAA Air Resources Laboratory

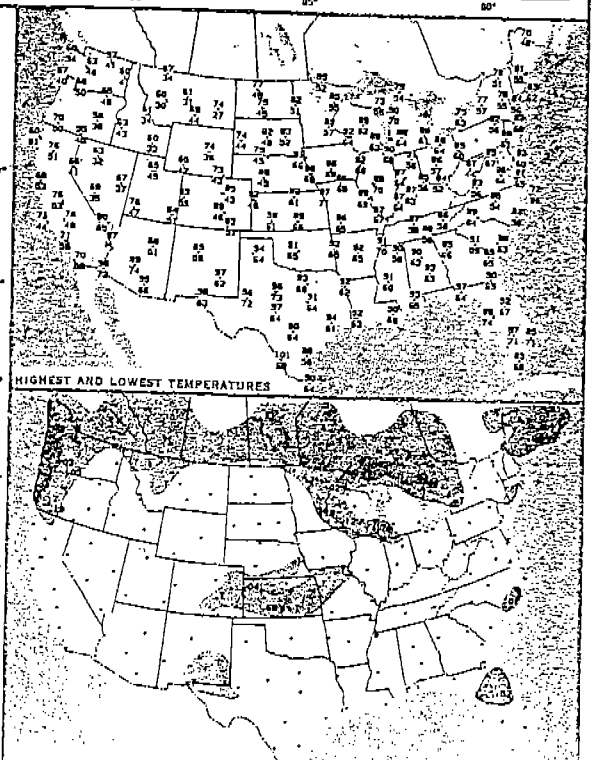
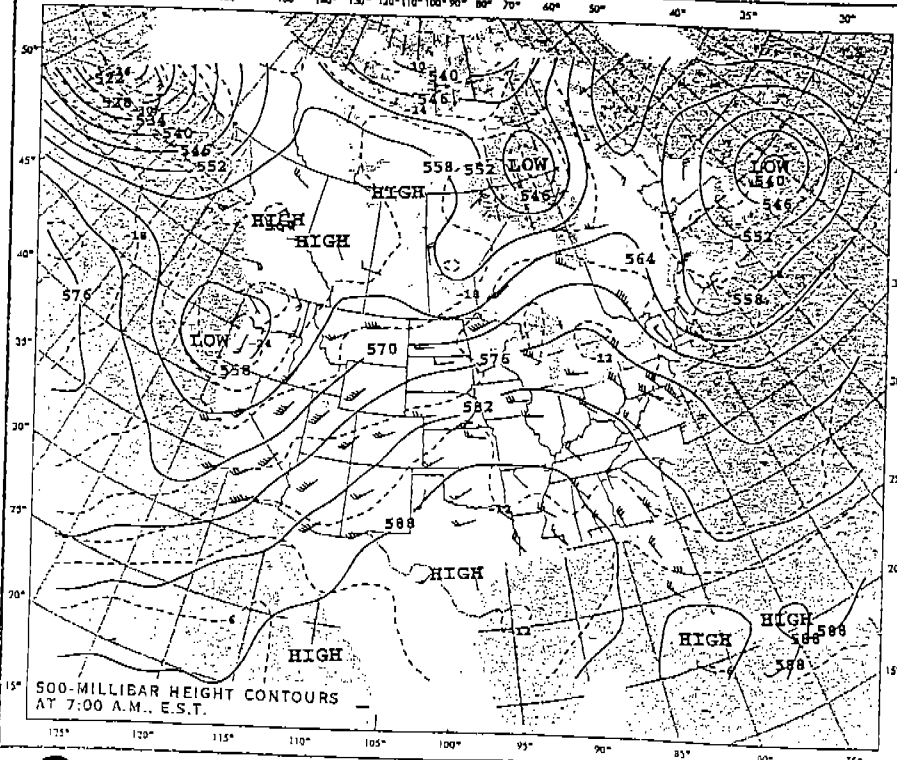
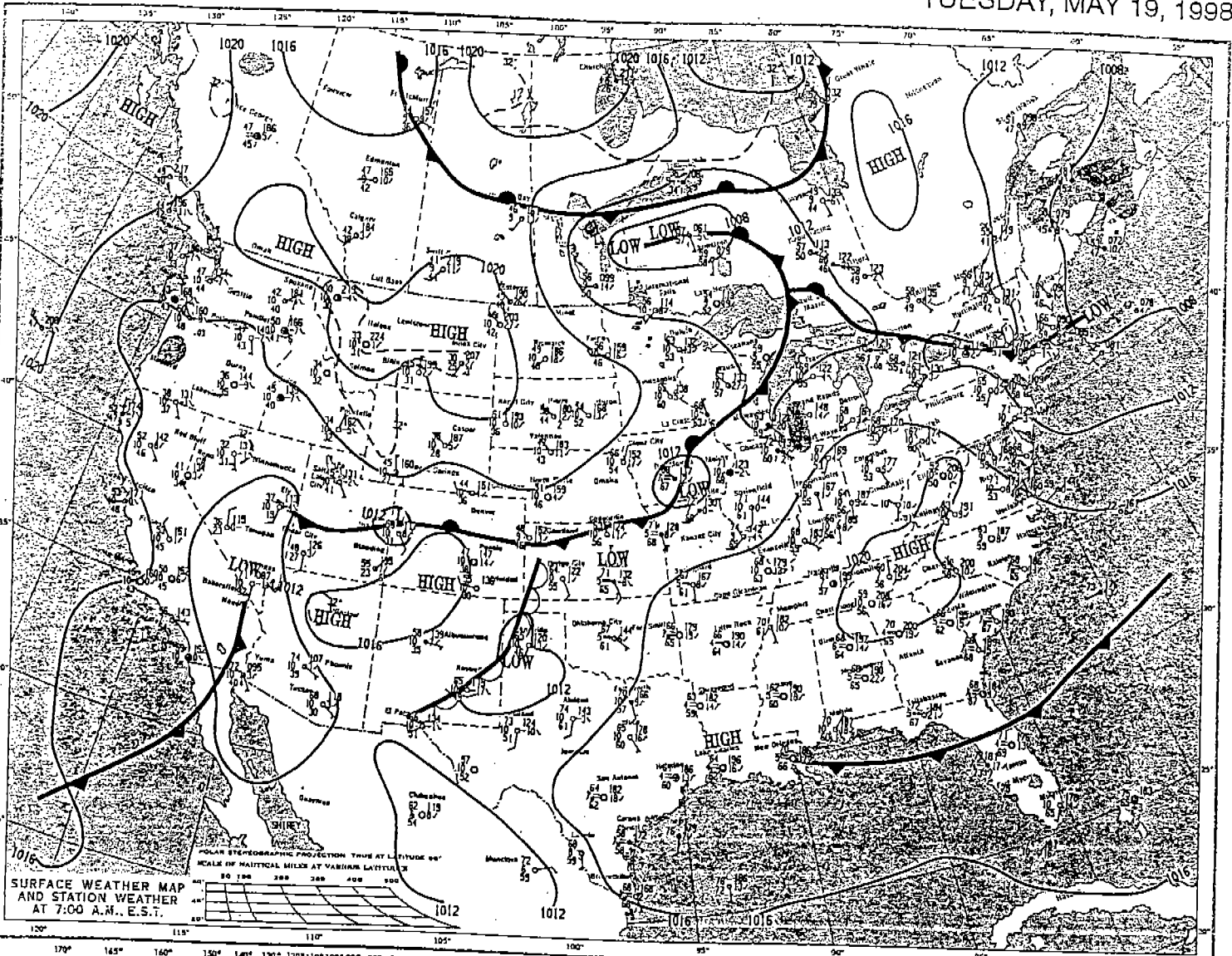
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending 12 UTC 19 MAY 98

Source Location * at 35.23 N 77.65 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA





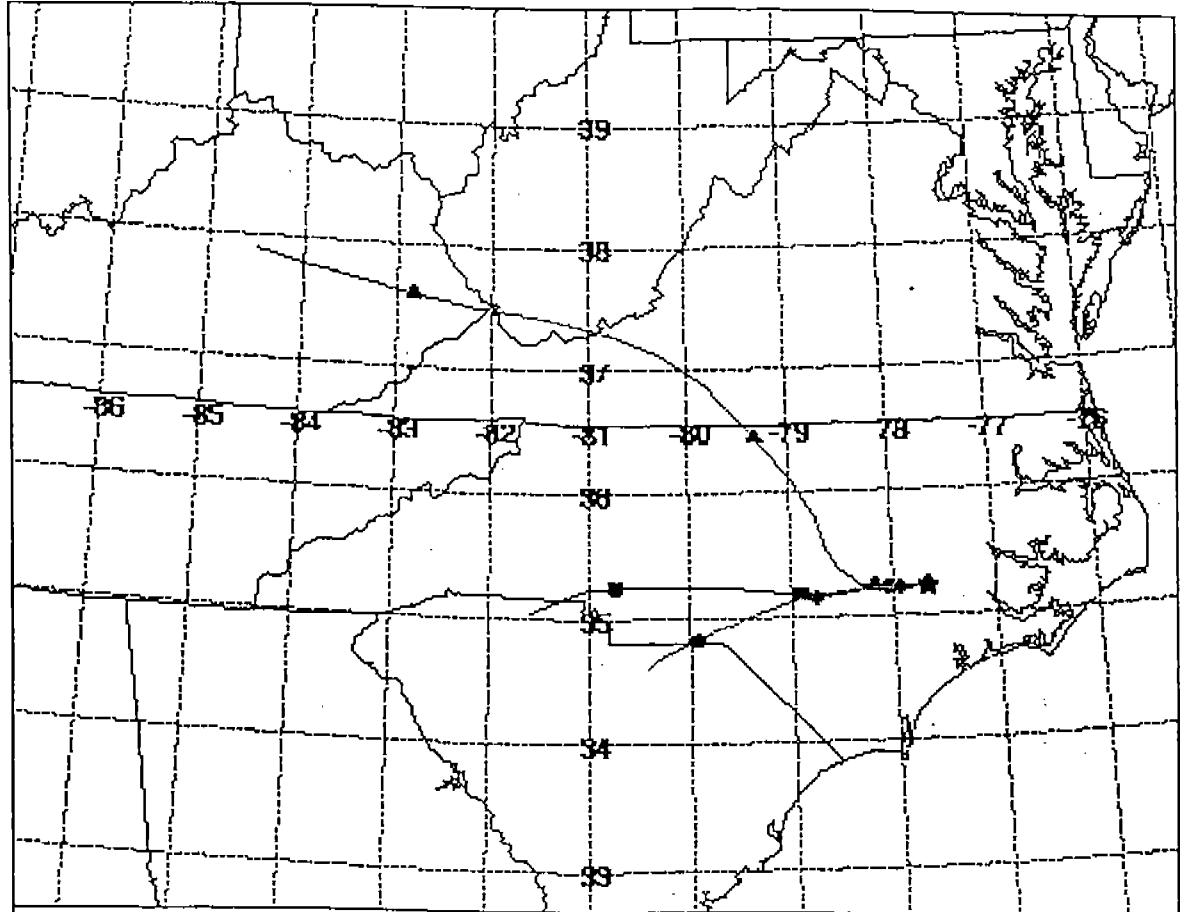


NOAA Air Resources Laboratory

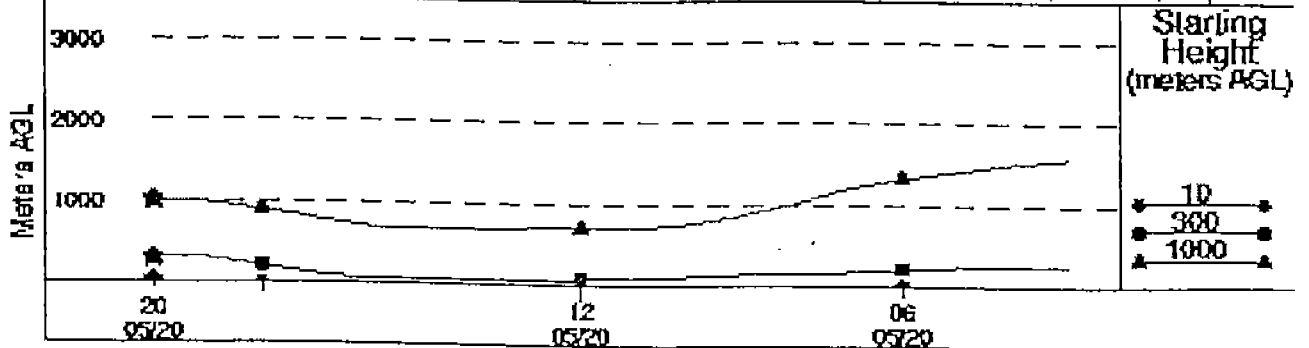
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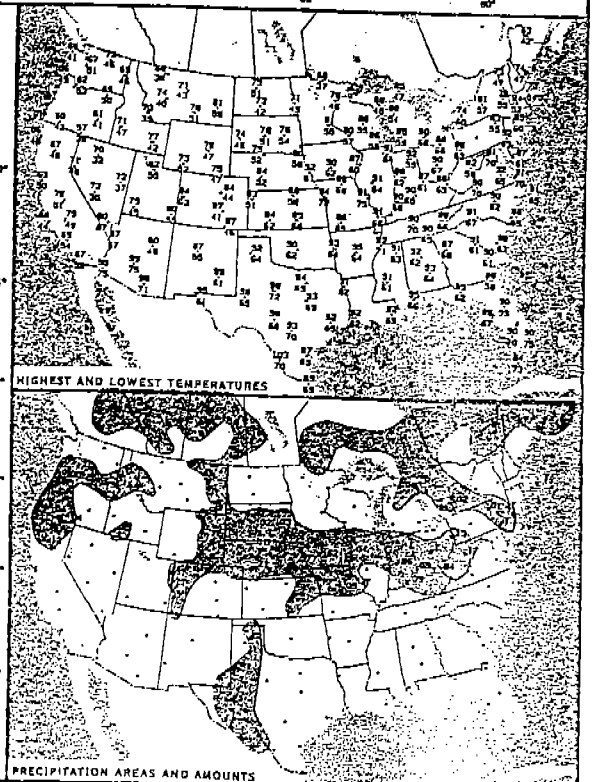
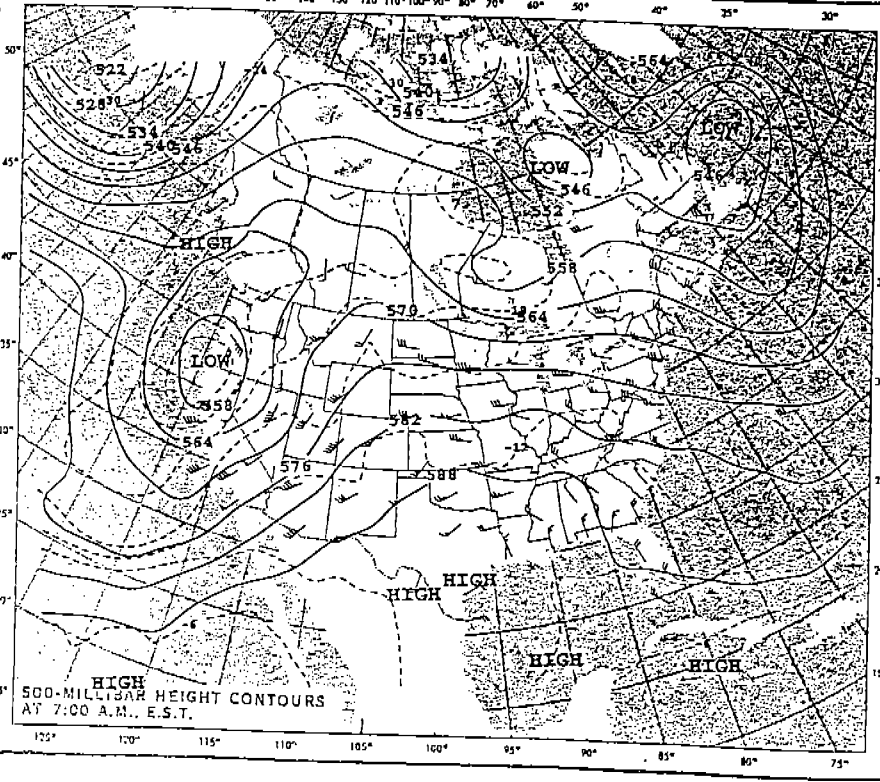
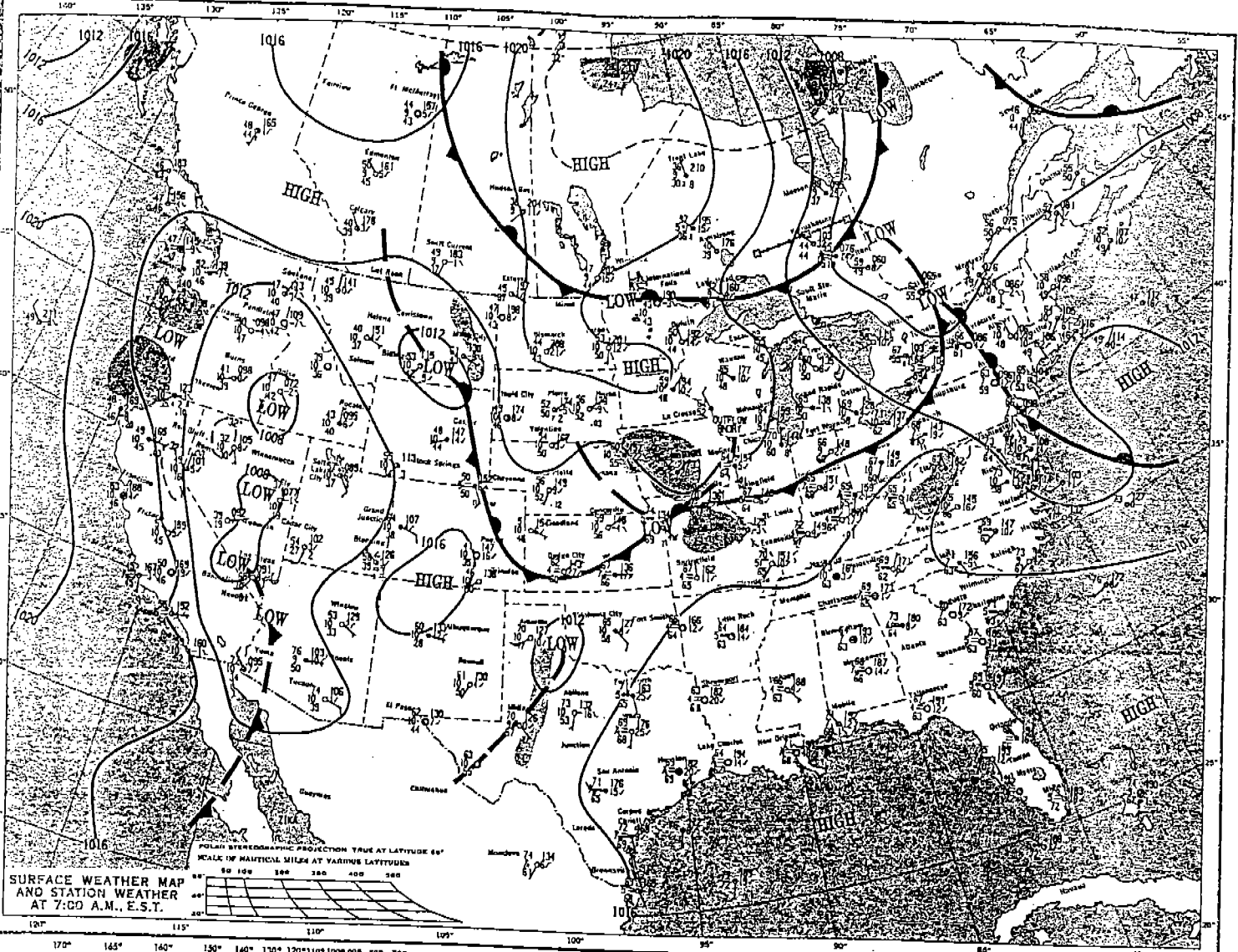
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending - 20 UTC 20 MAY 98

Source Location * at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





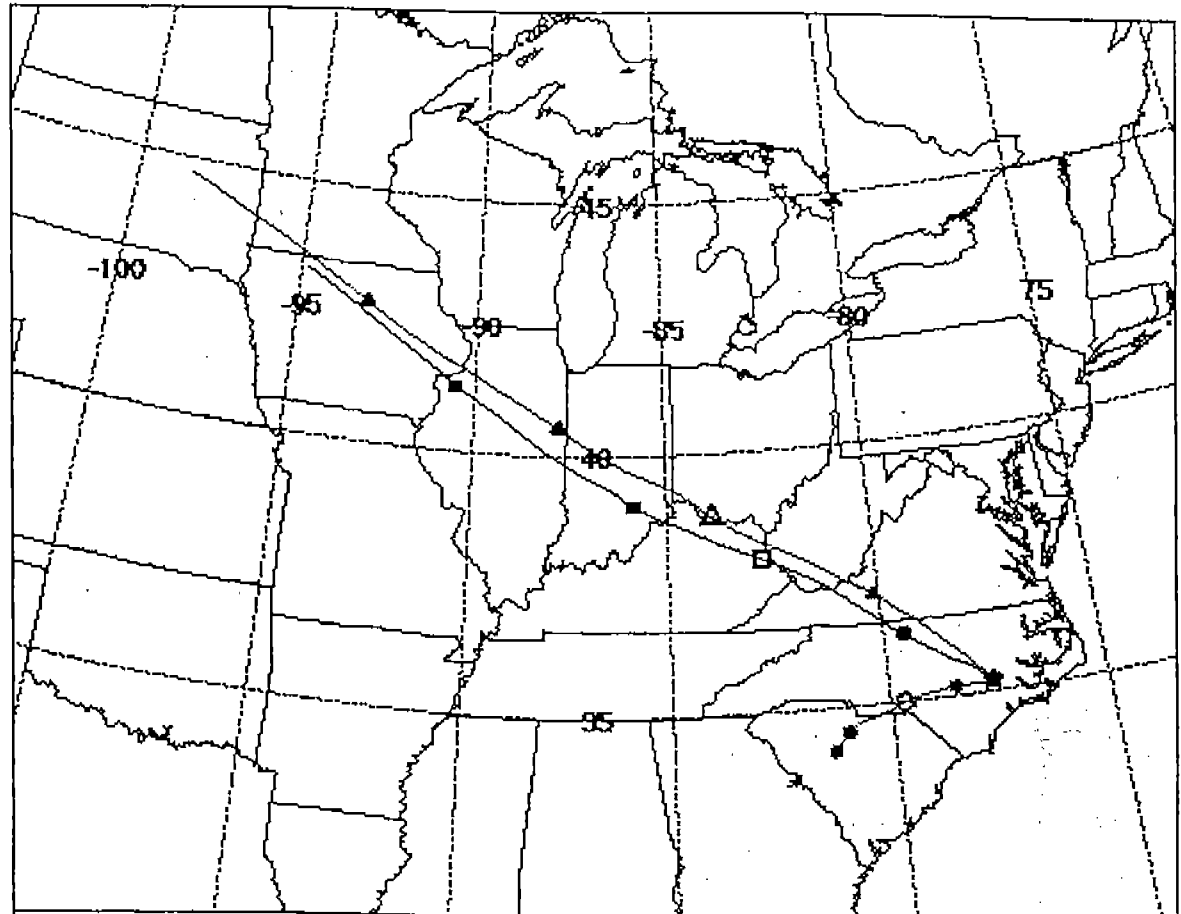


NOAA Air Resources Laboratory

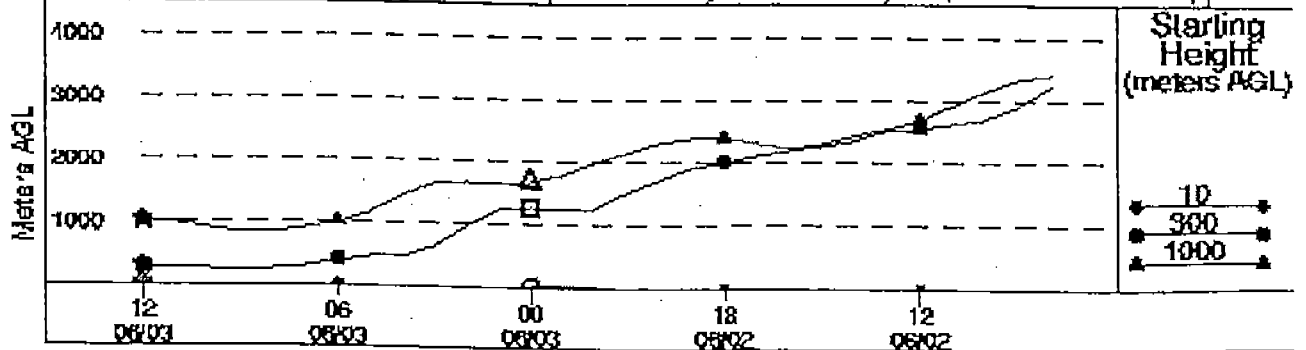
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 12 UTC 03 JUN 98

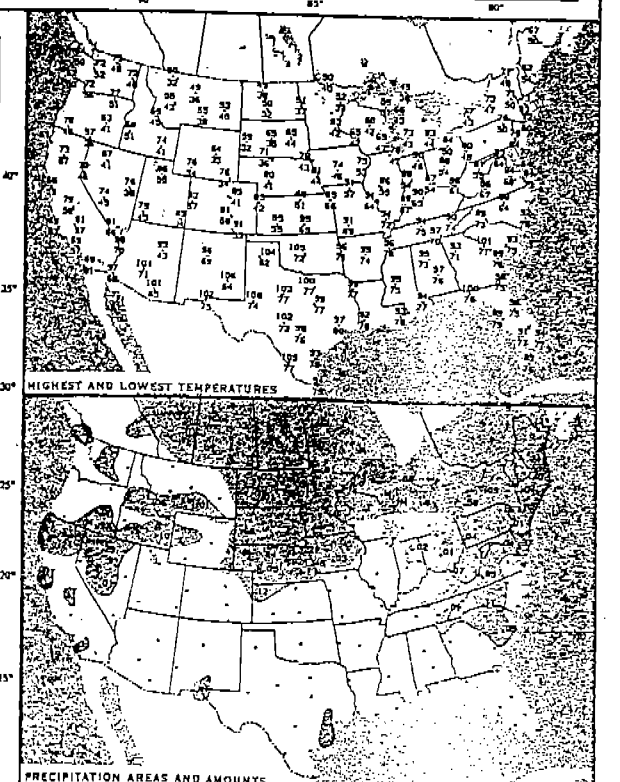
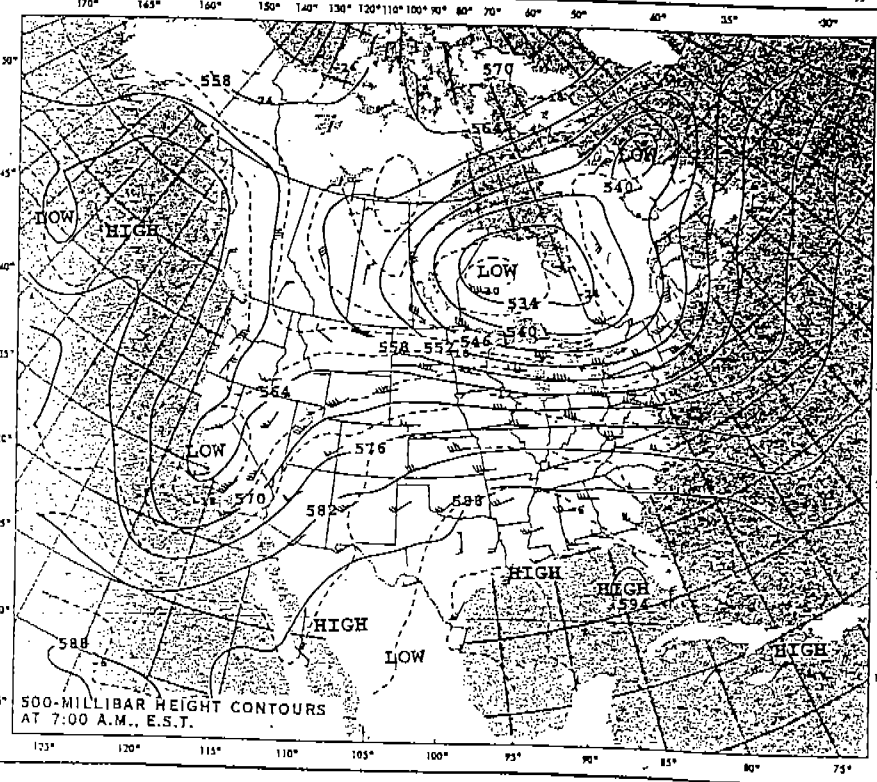
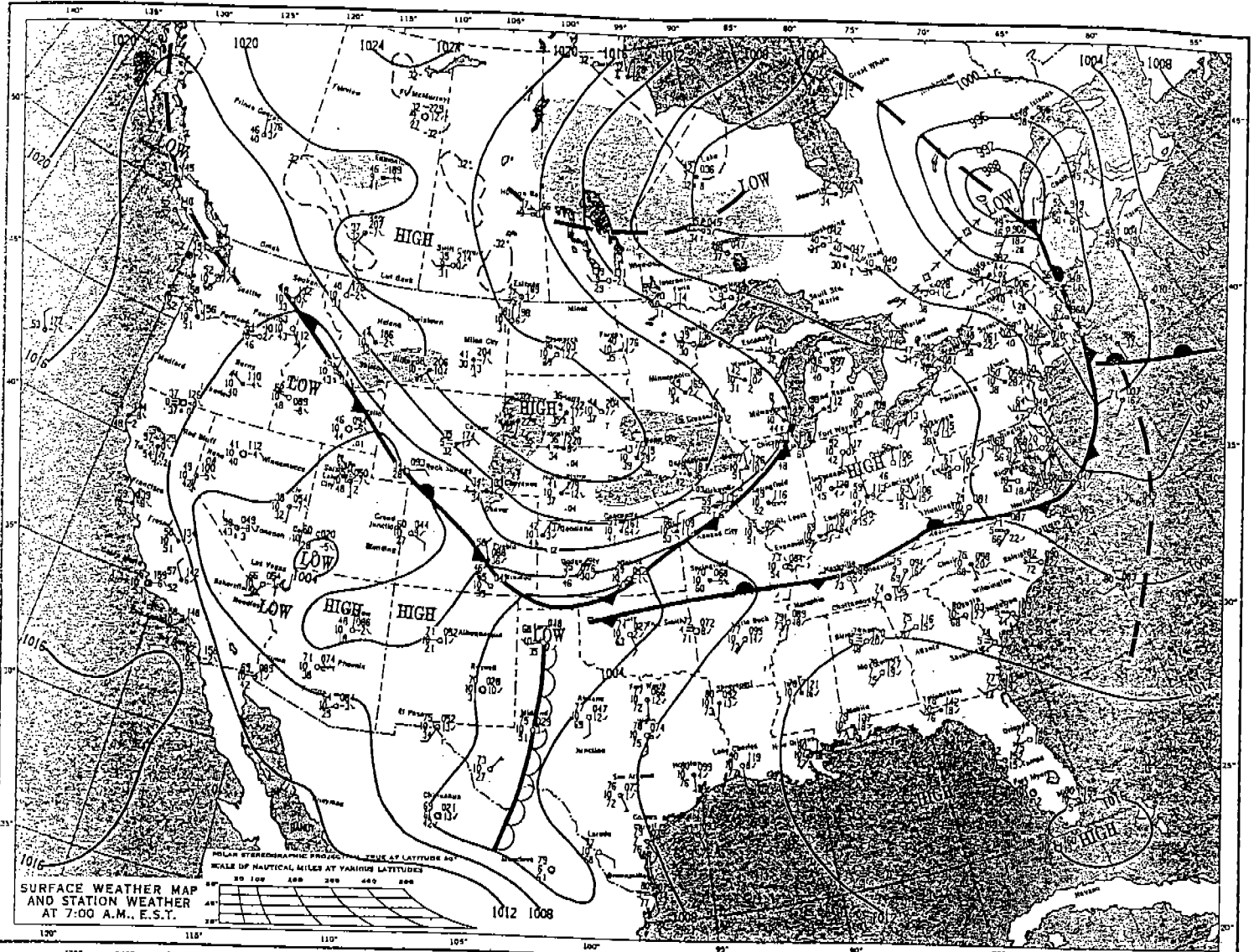
Source Location ★ at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



WEDNESDAY, JUNE 3, 1998



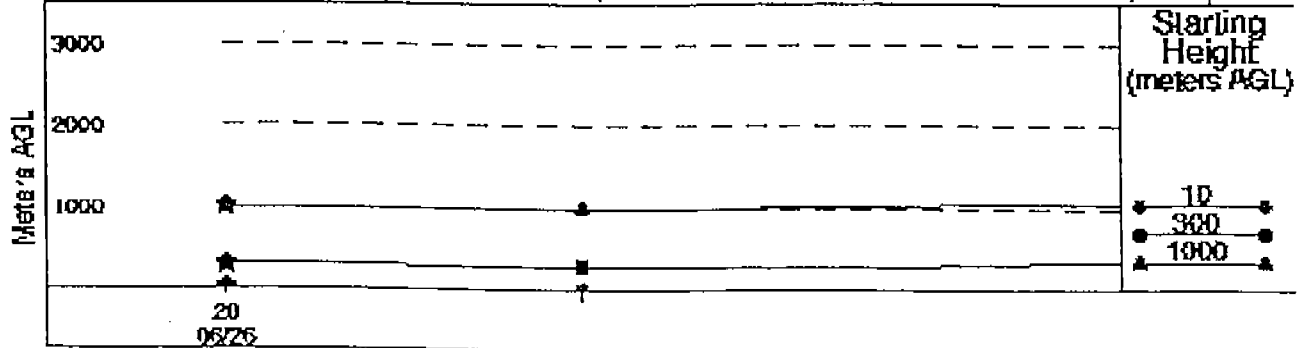
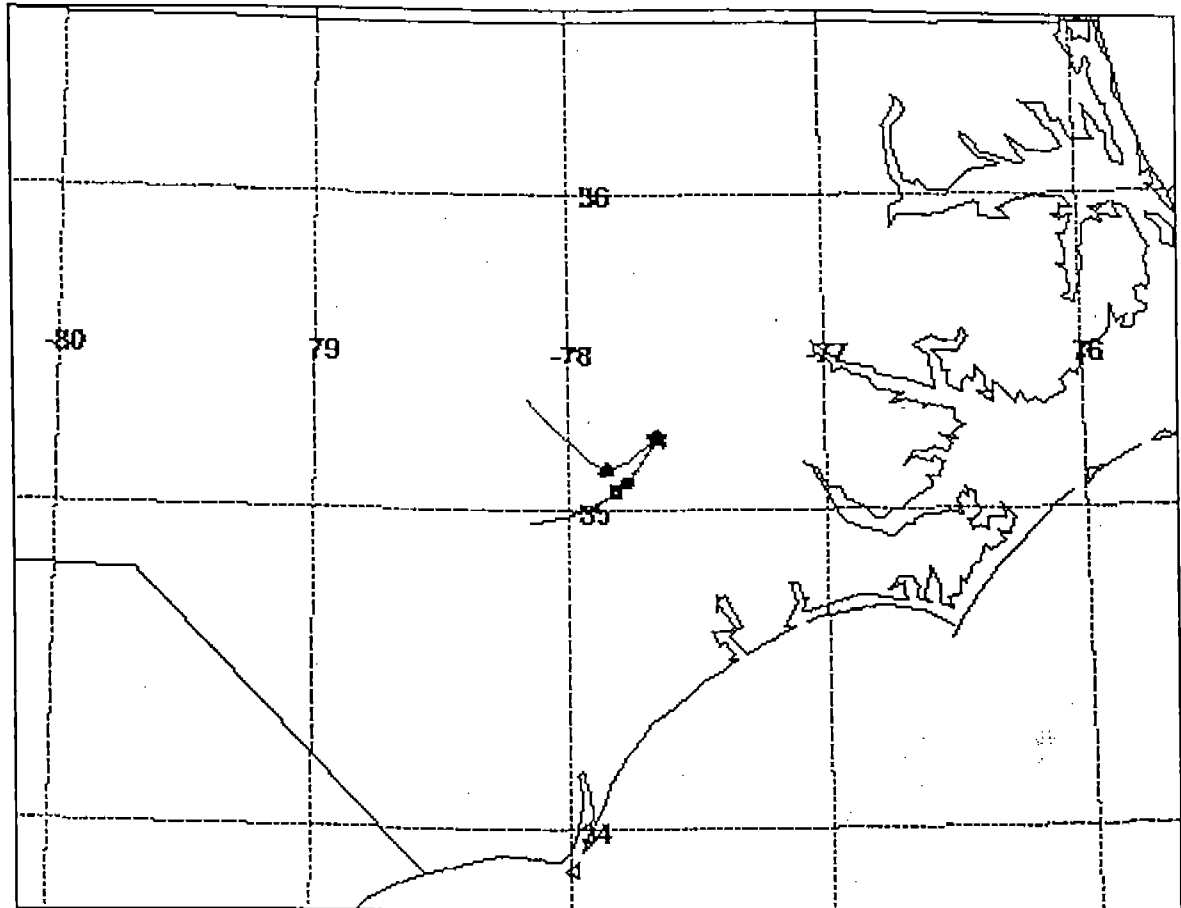


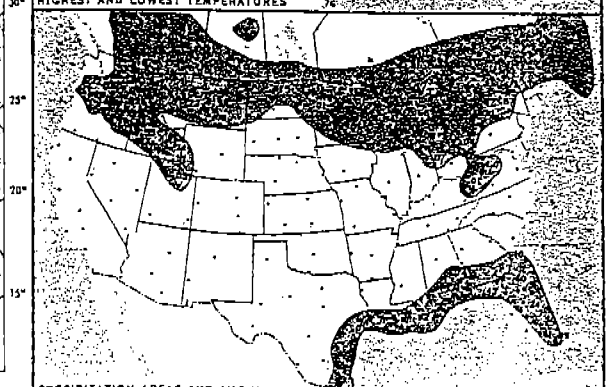
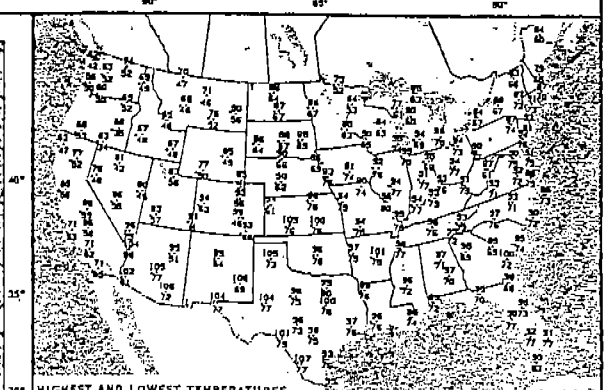
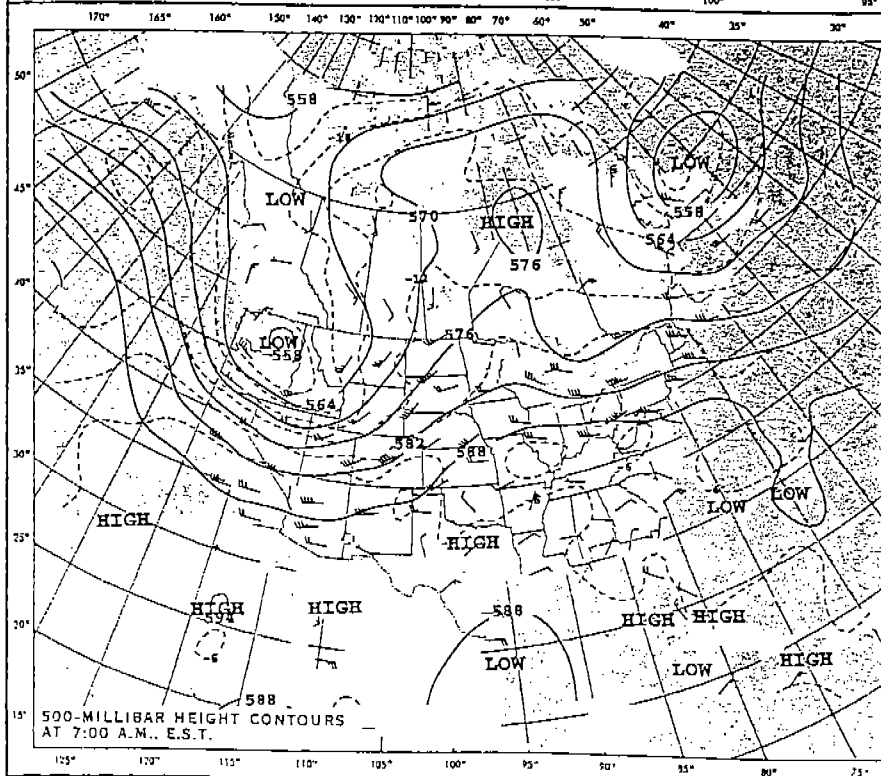
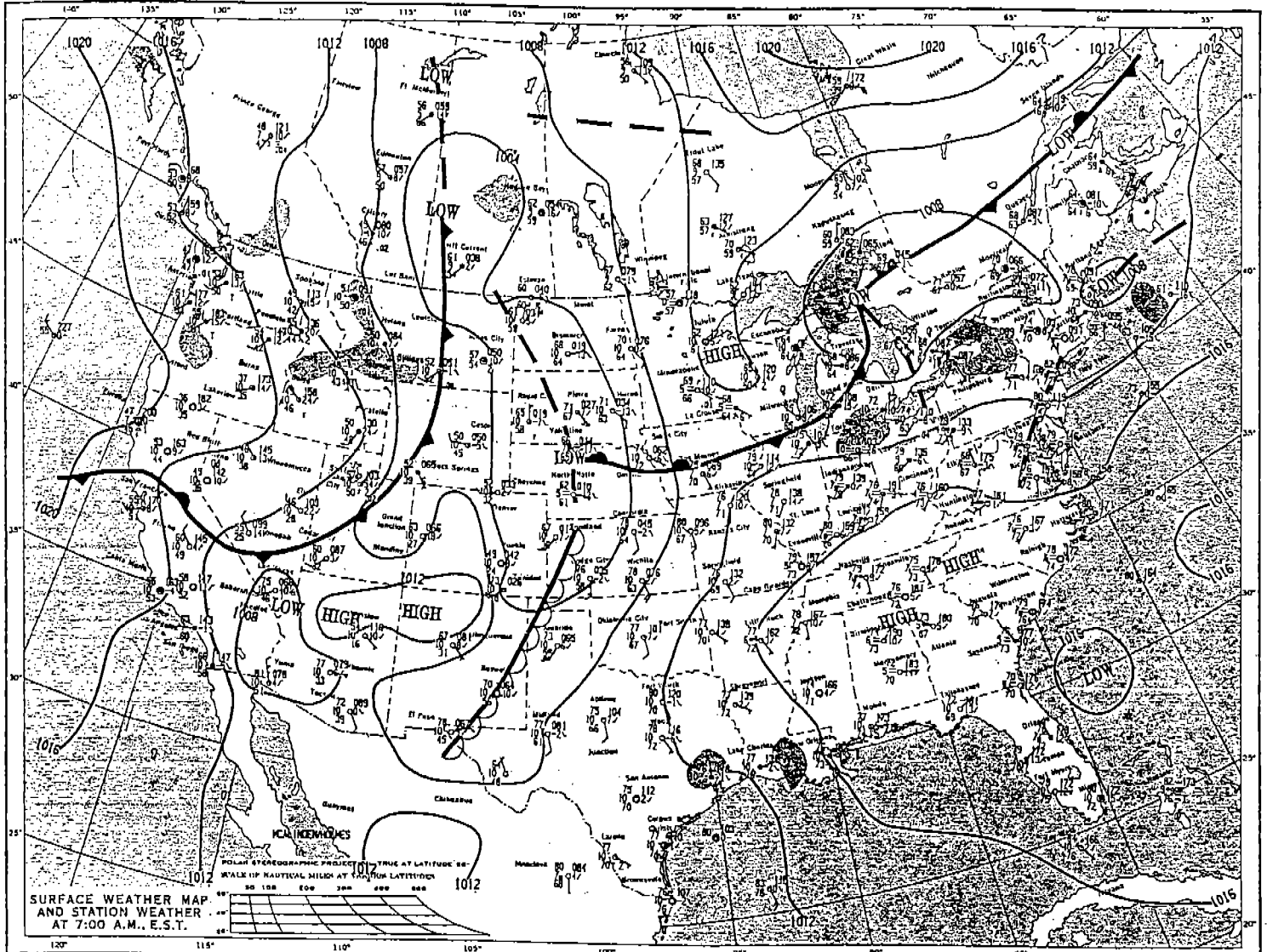
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 26 JUN 98

Source Location ★ at 35.23 N 77.65 W







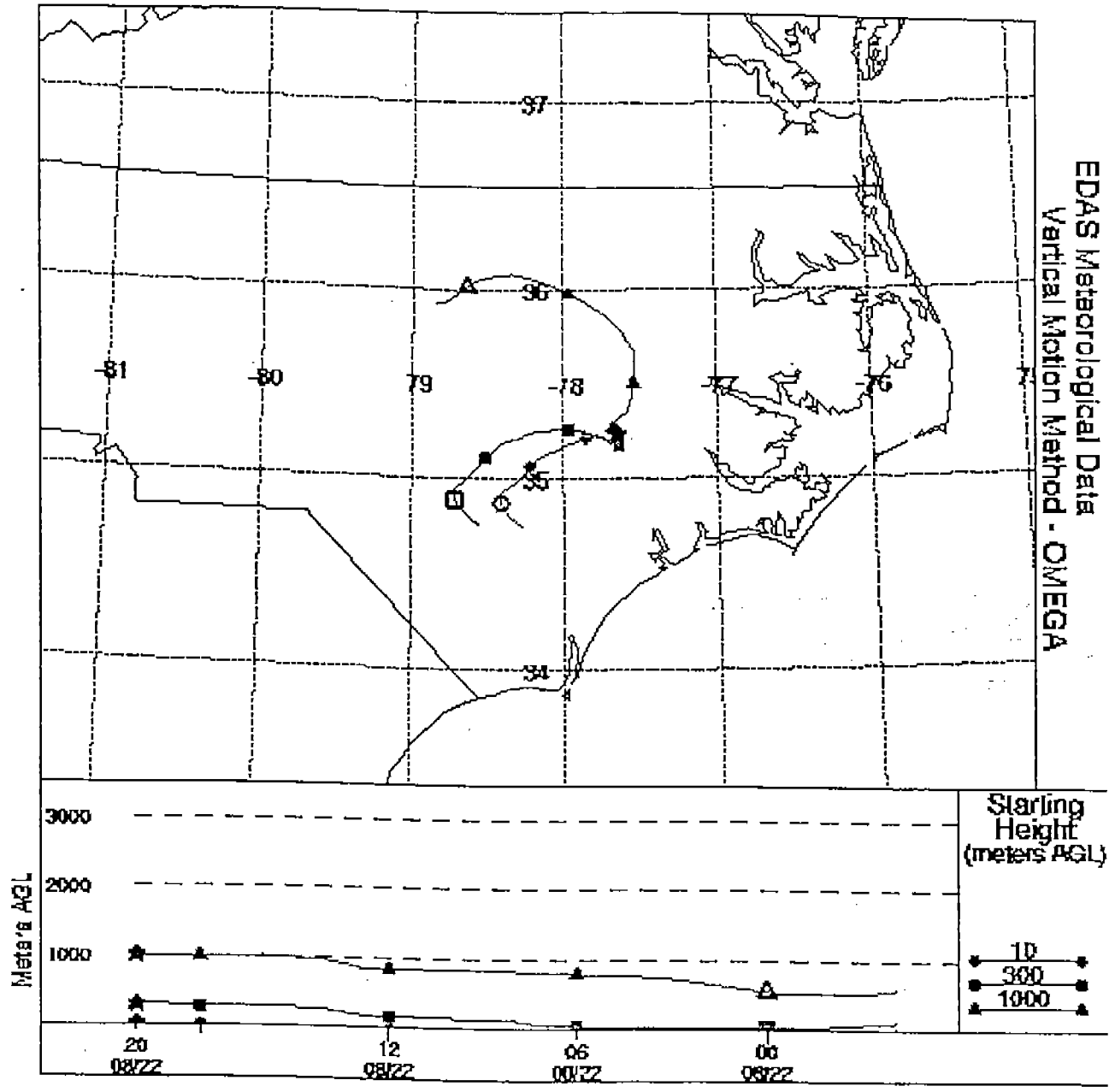
NOAA Air Resources Laboratory

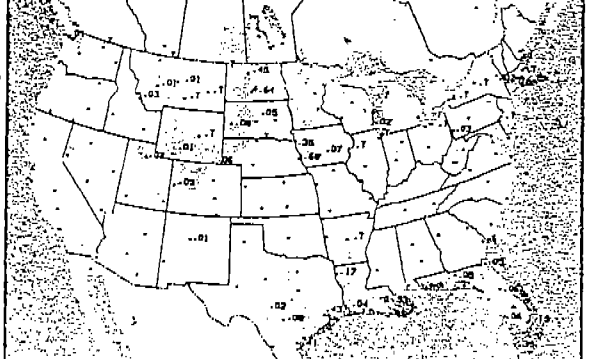
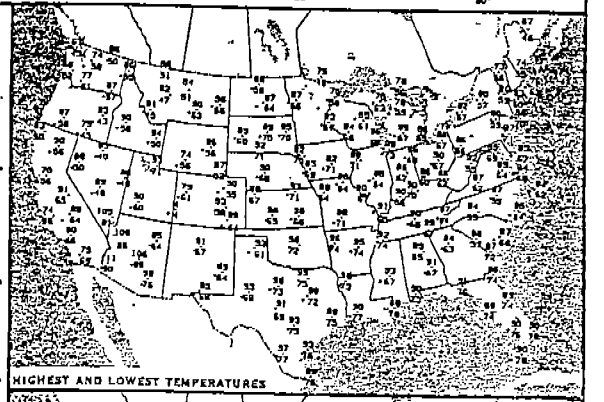
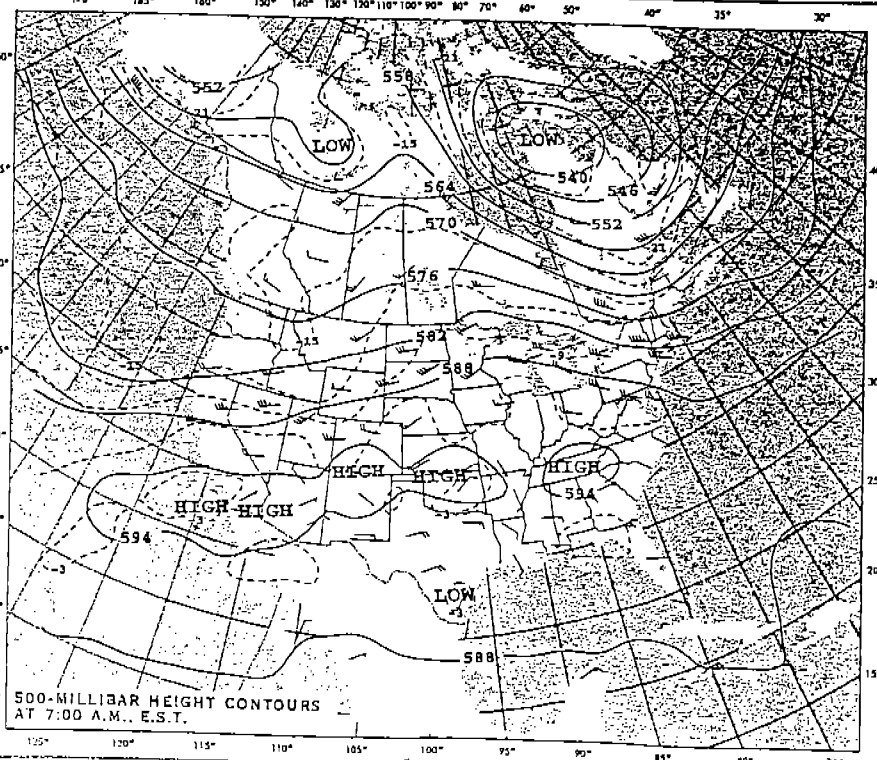
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 22 AUG 98

Source Location * at 35.23 N 77.65 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA





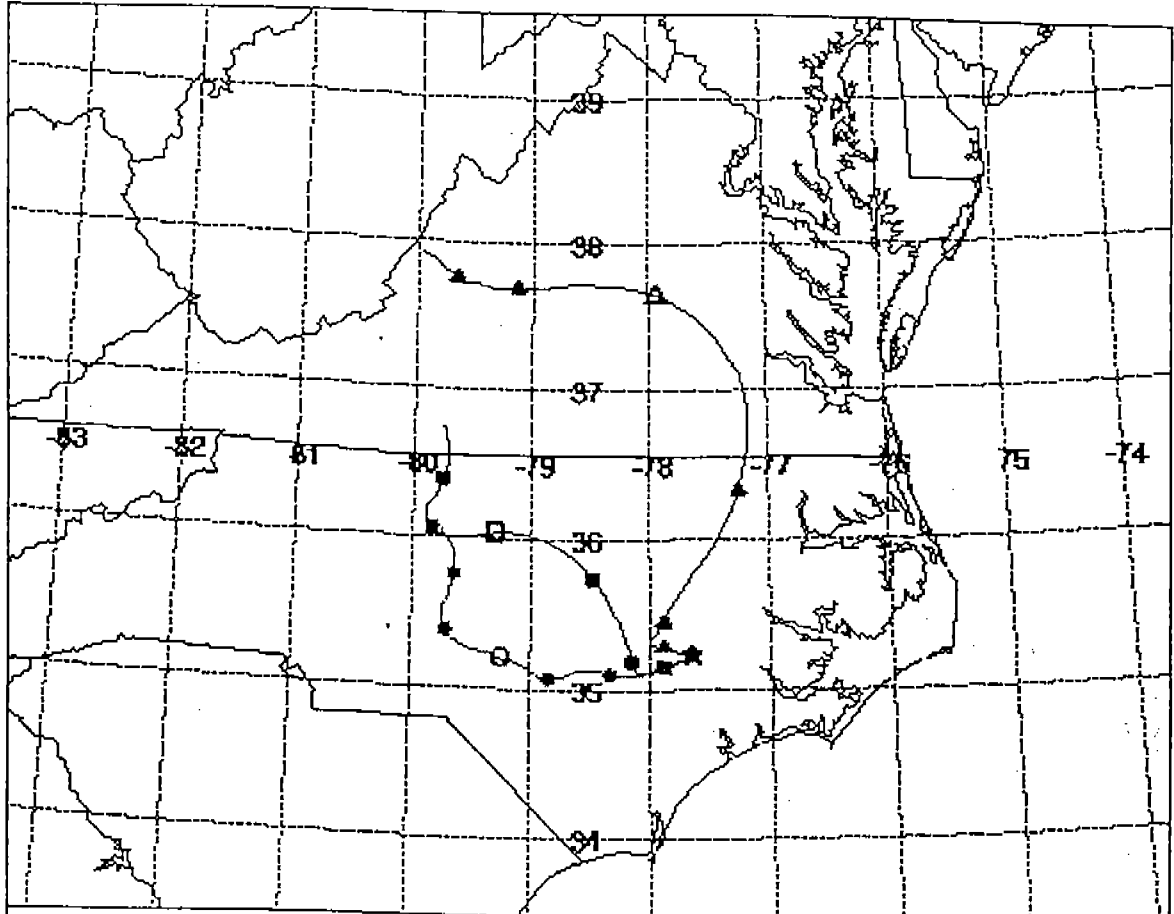


NOAA Air Resources Laboratory

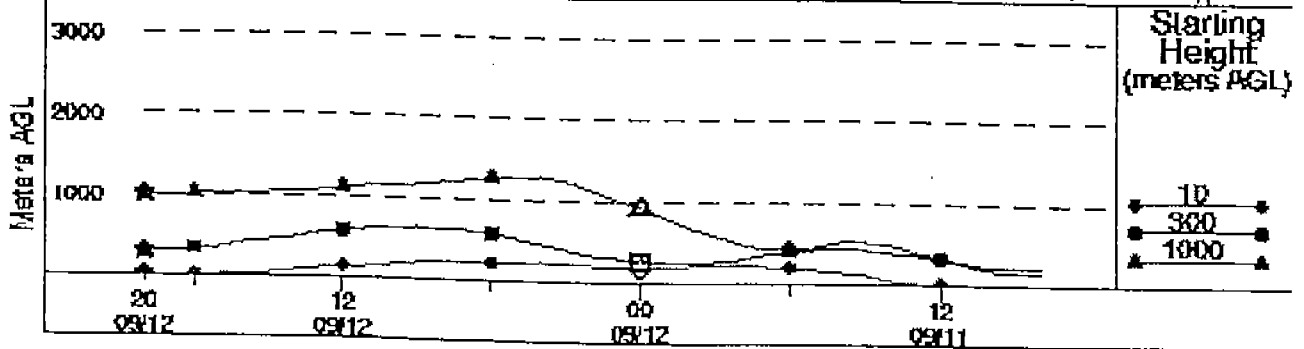
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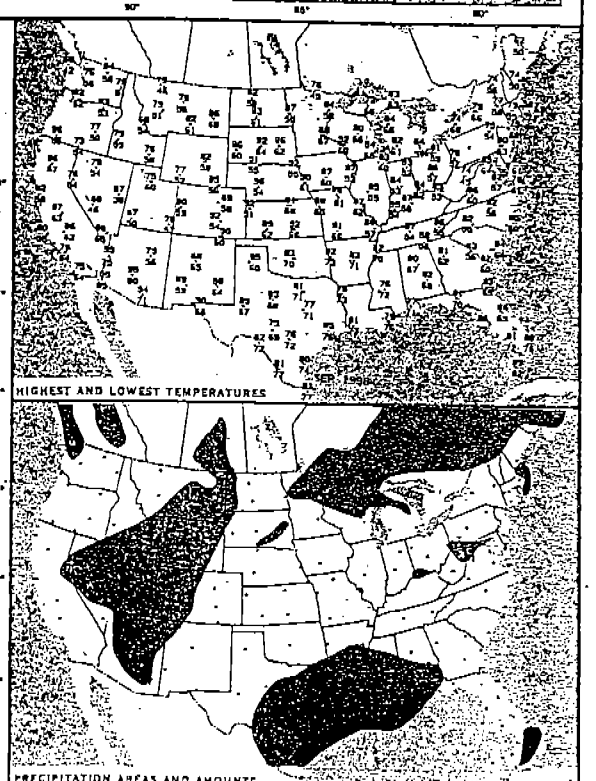
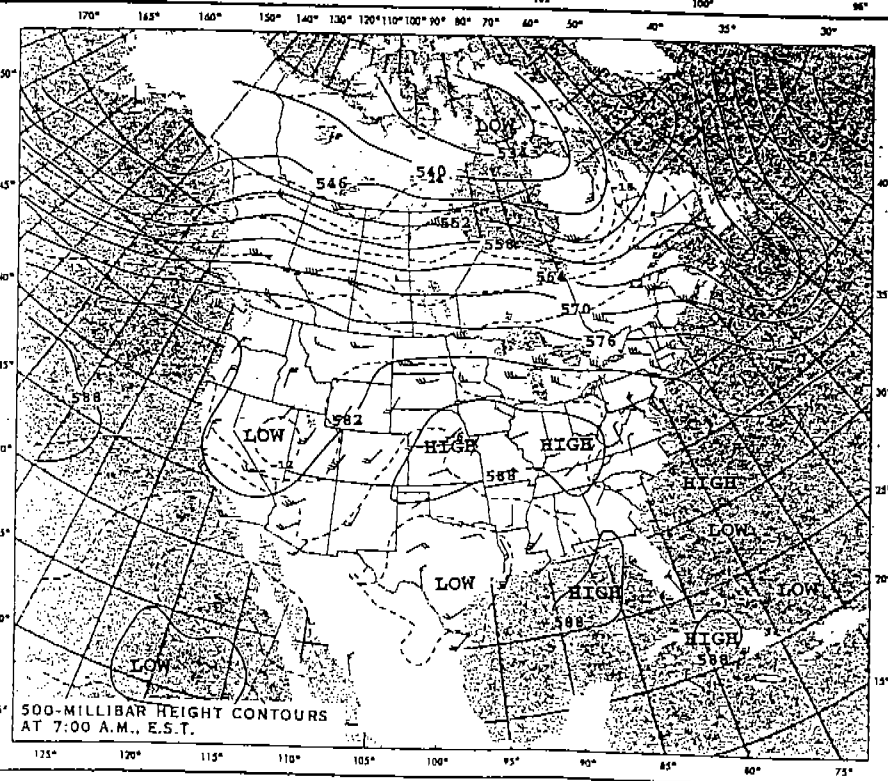
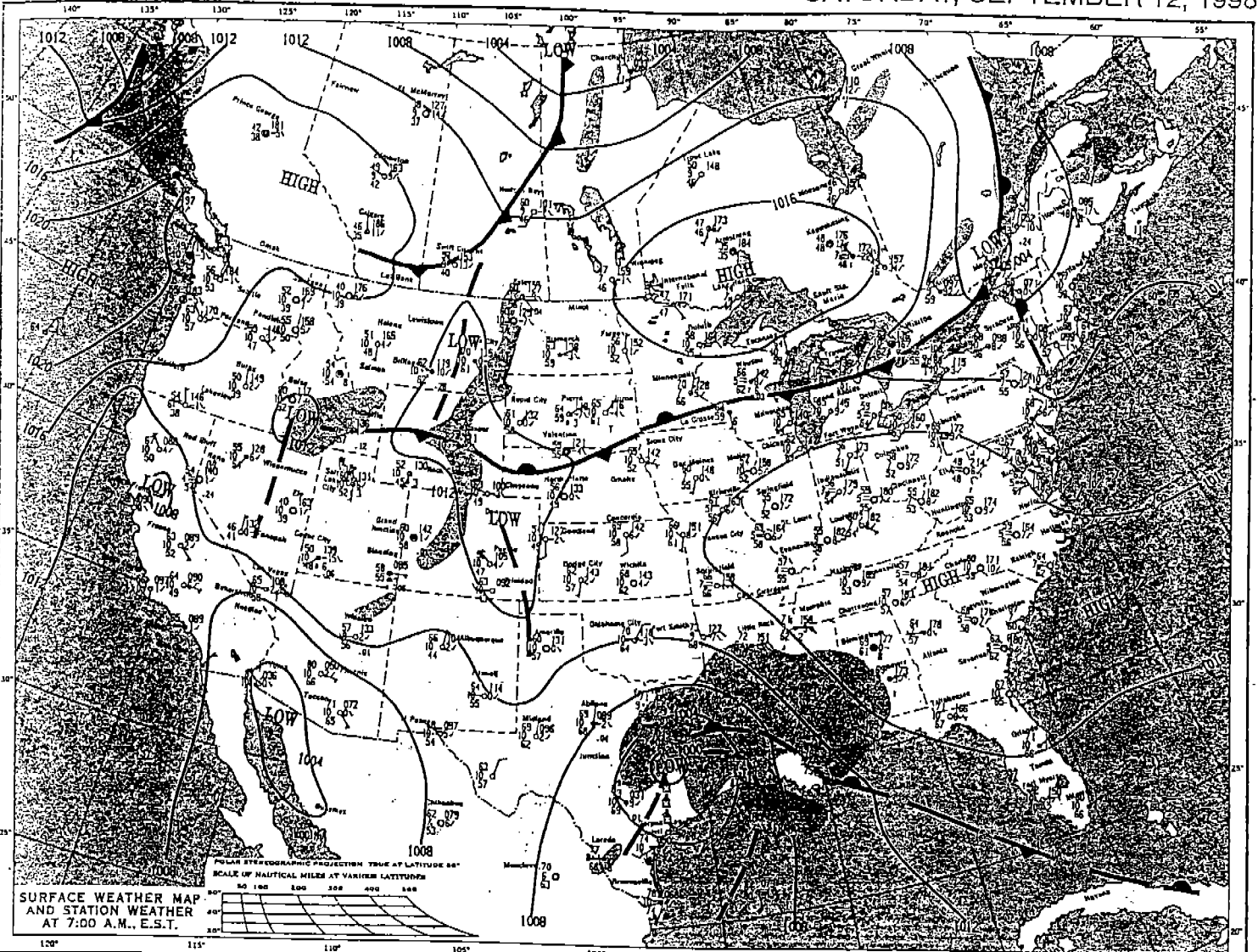
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 12 SEP 98

Source Location * at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





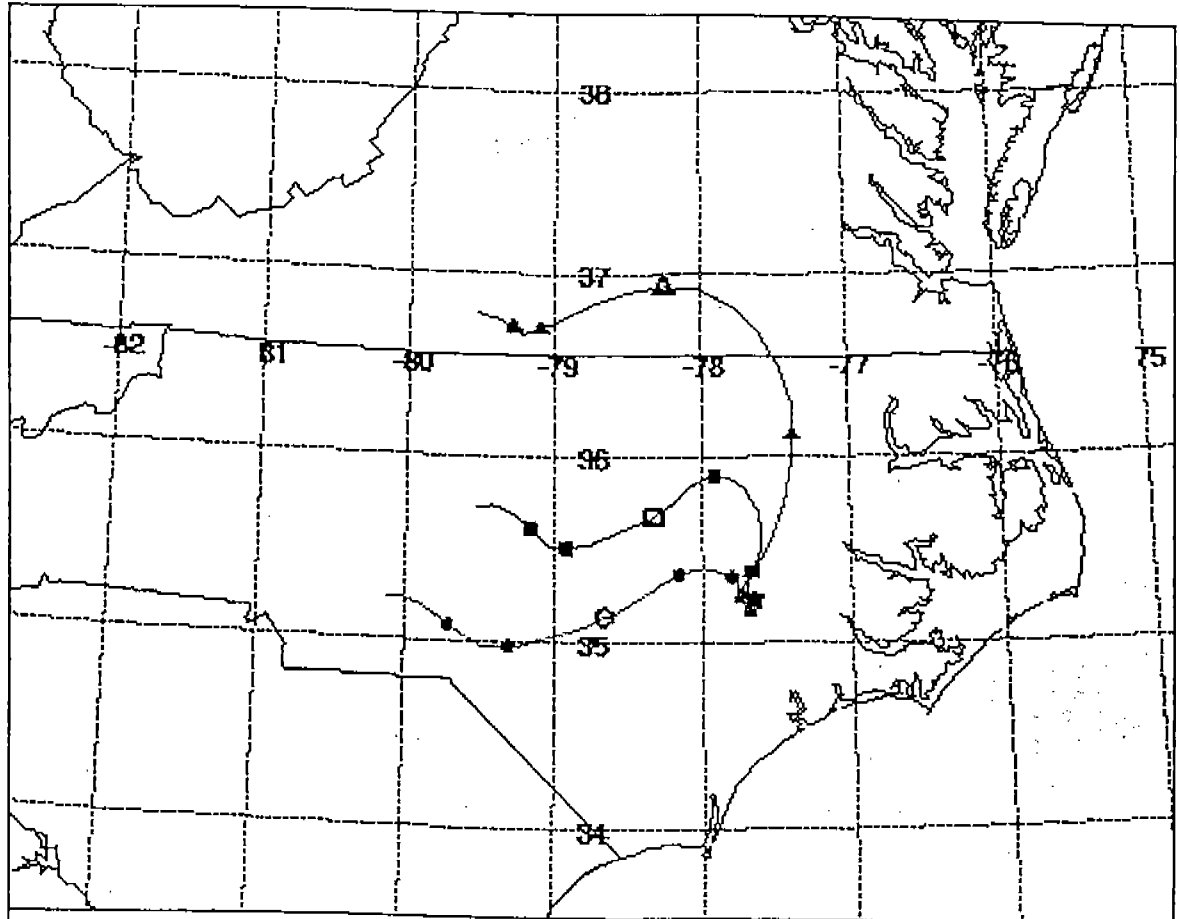


NOAA Air Resources Laboratory

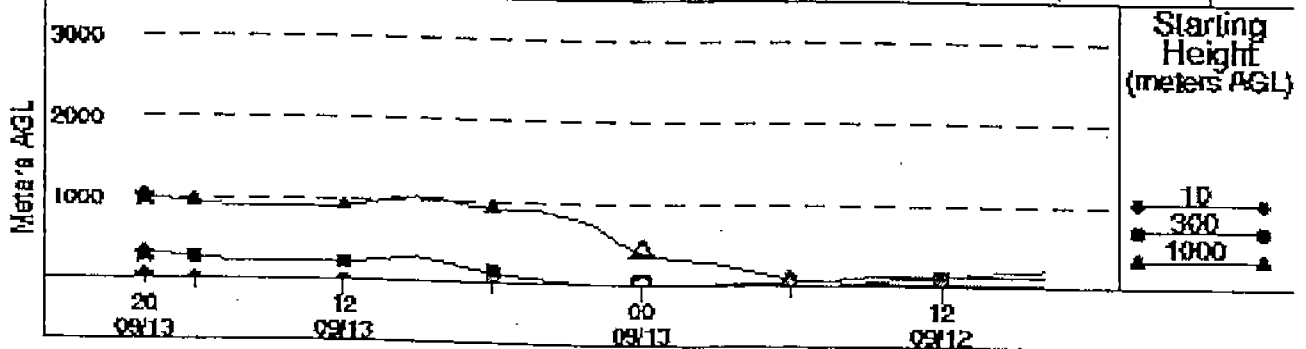
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 13 SEP 98

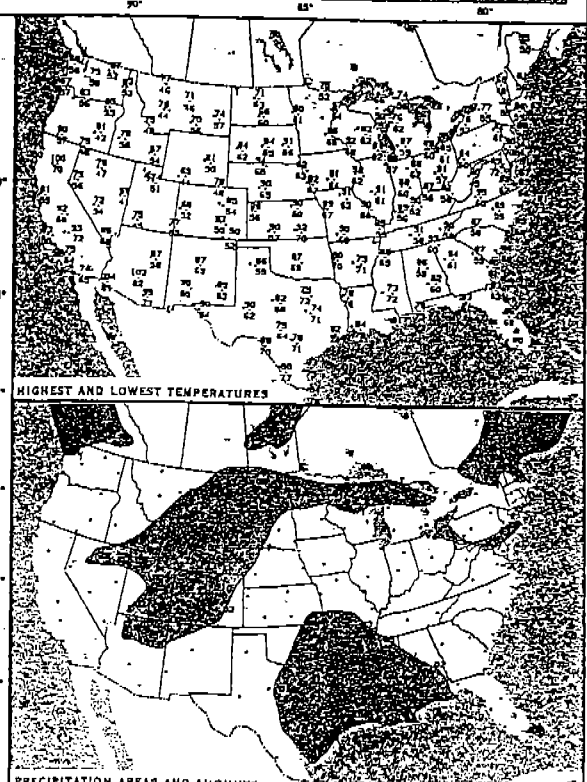
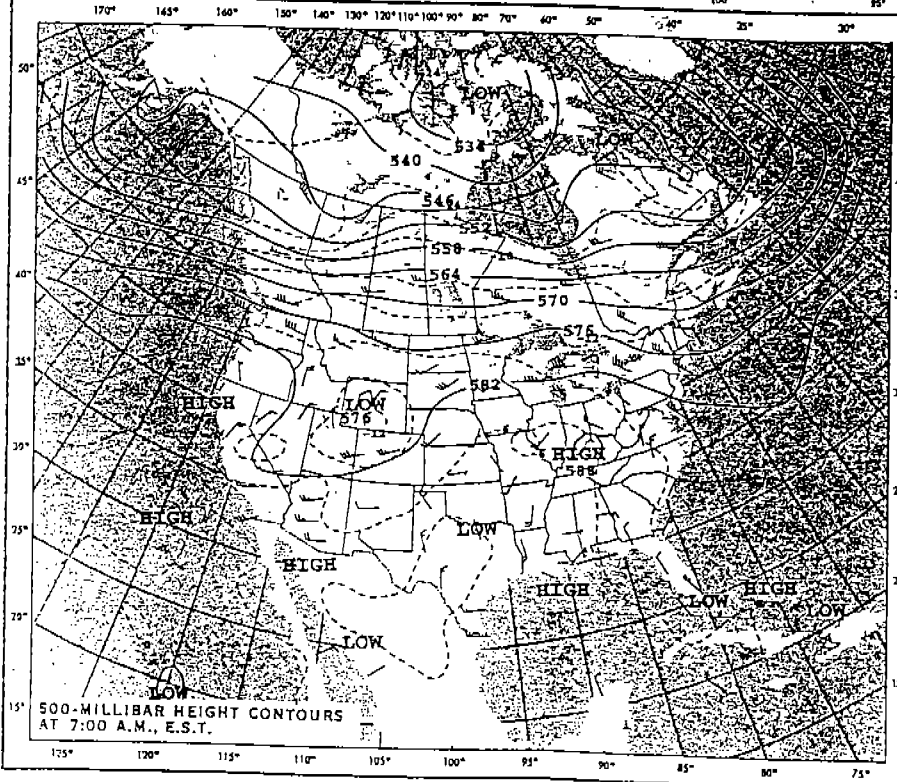
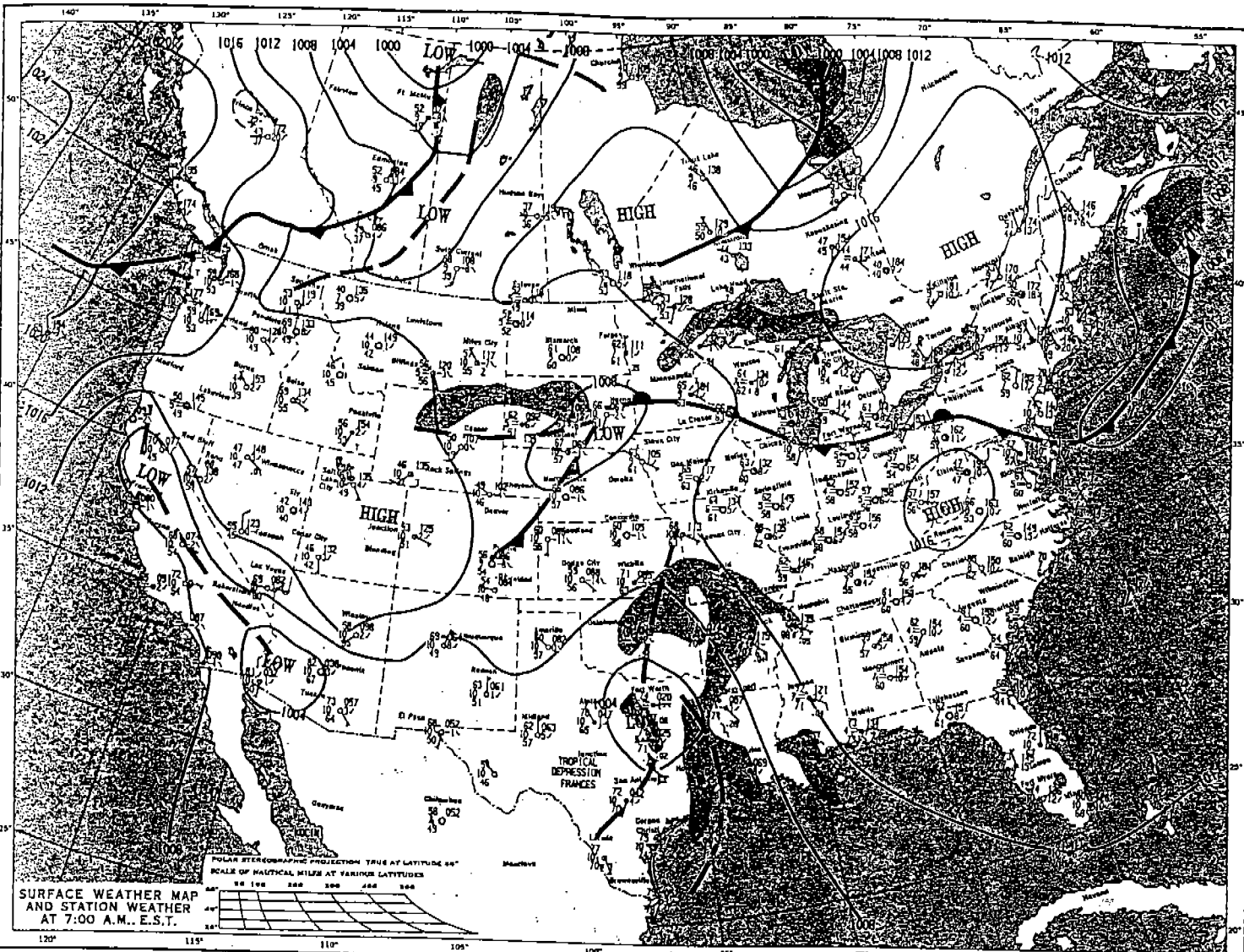
Source Location ★ at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



SUNDAY, SEPTEMBER 13, 1998



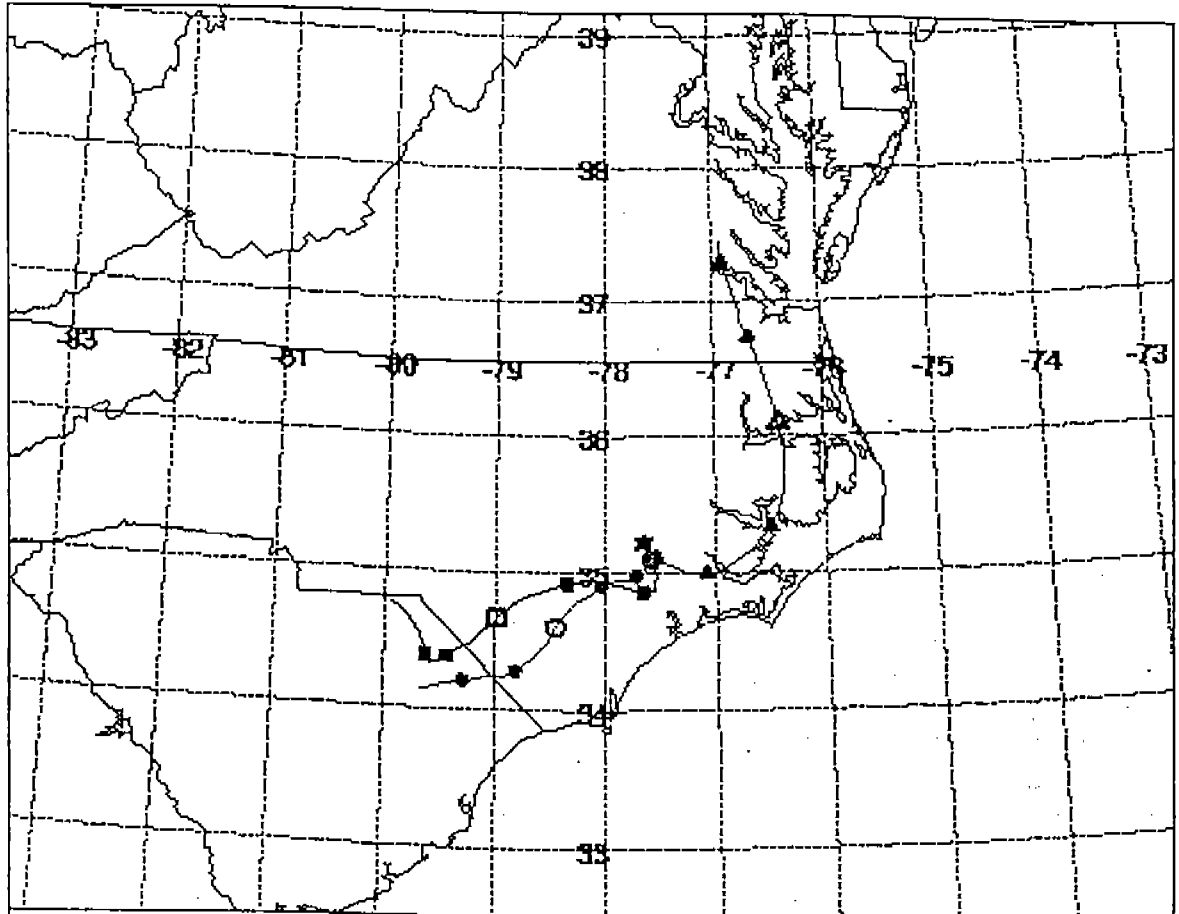


NOAA Air Resources Laboratory

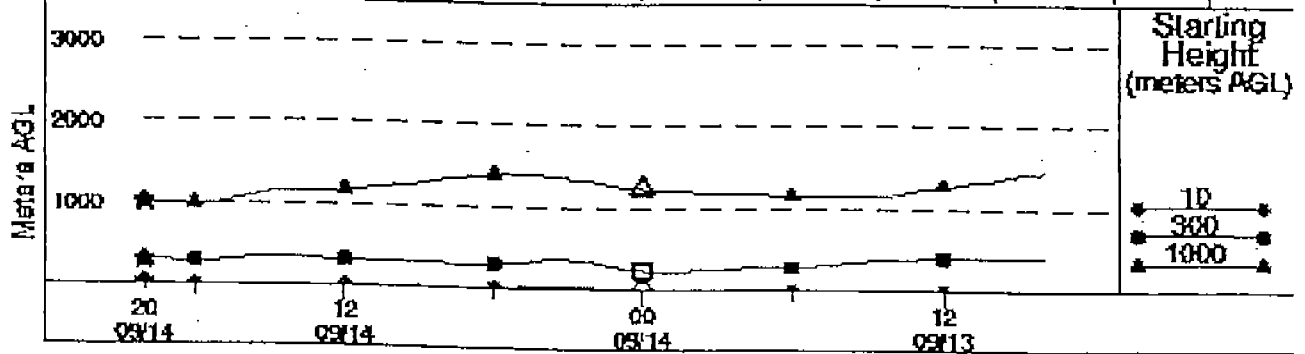
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 14 SEP 98

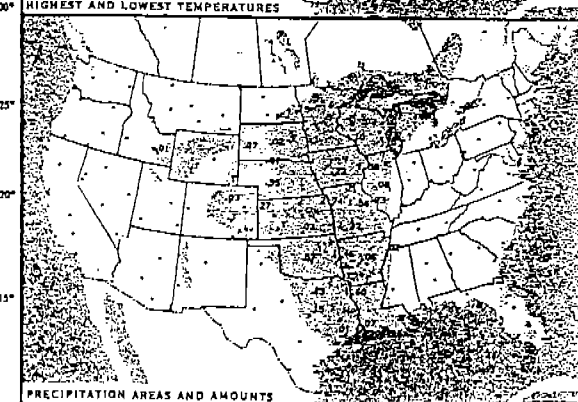
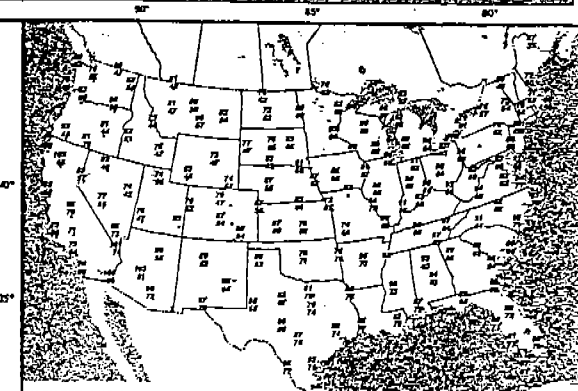
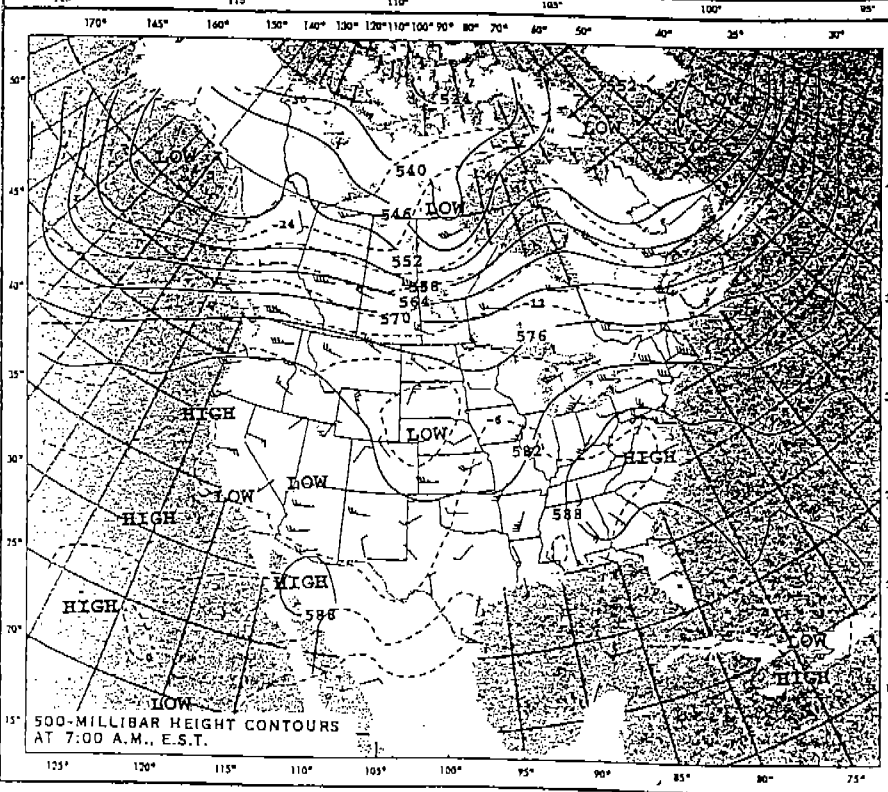
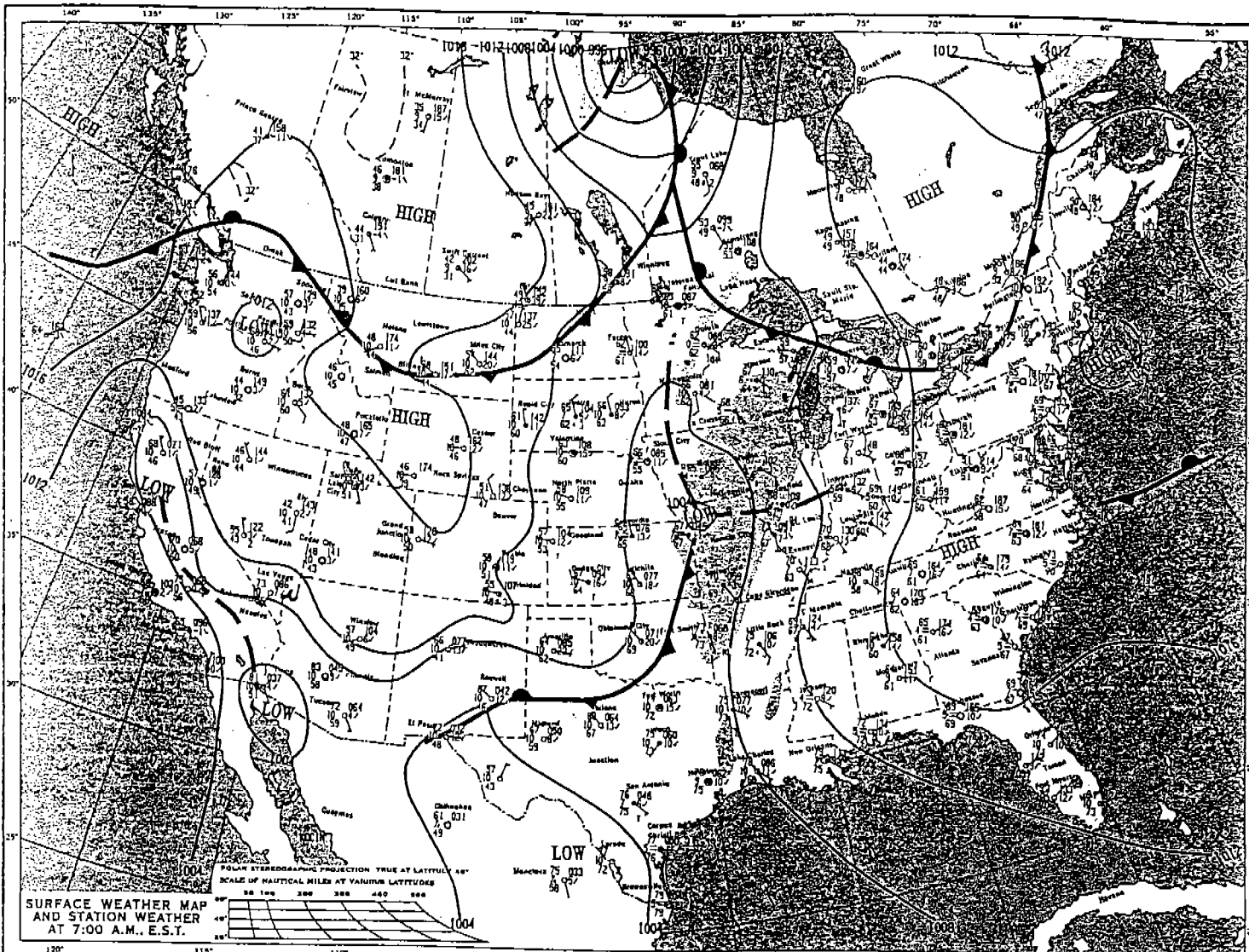
Source Location ★ at 35.23 N 77.65 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



MONDAY, SEPTEMBER 14, 1998



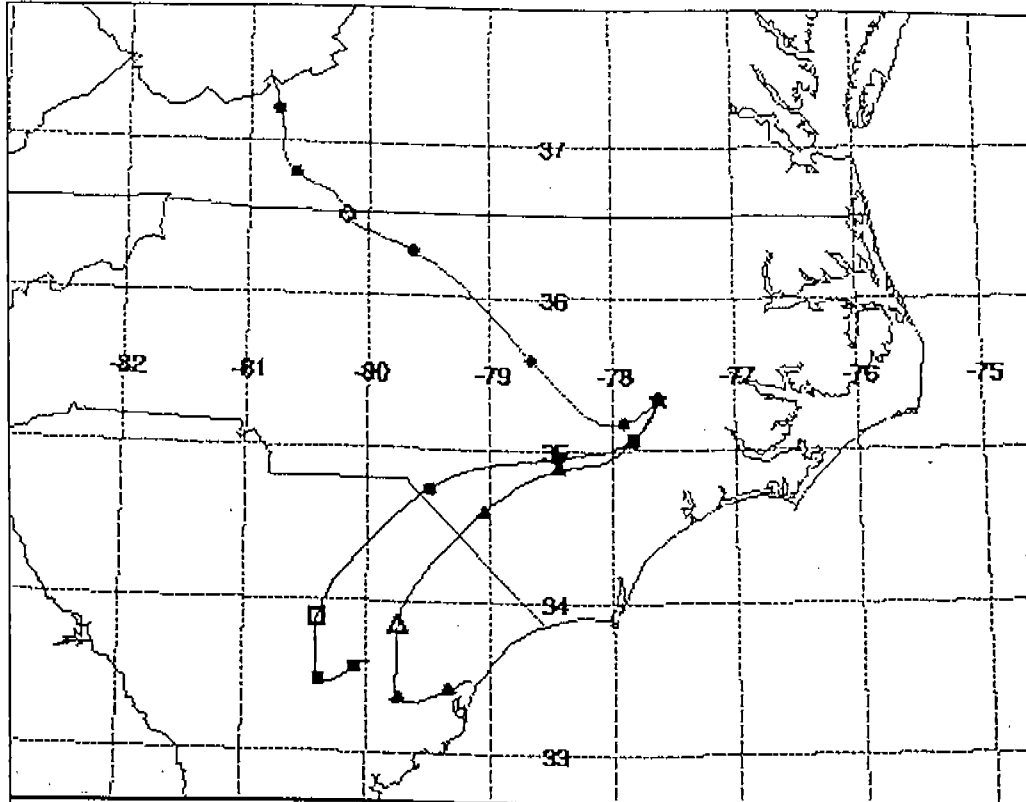


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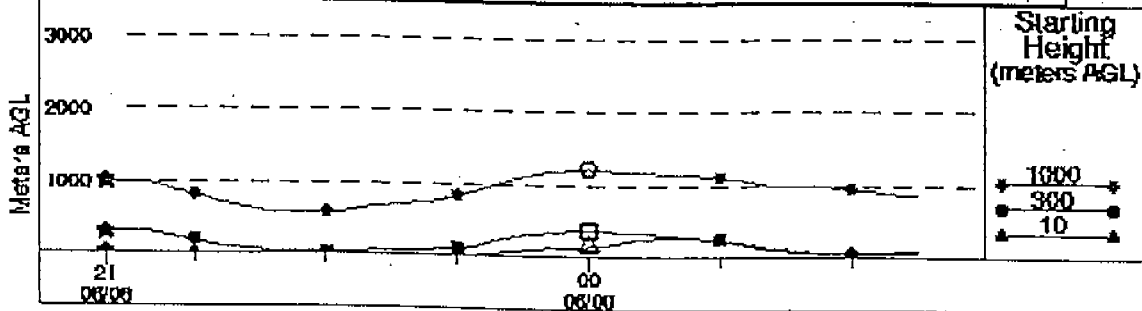
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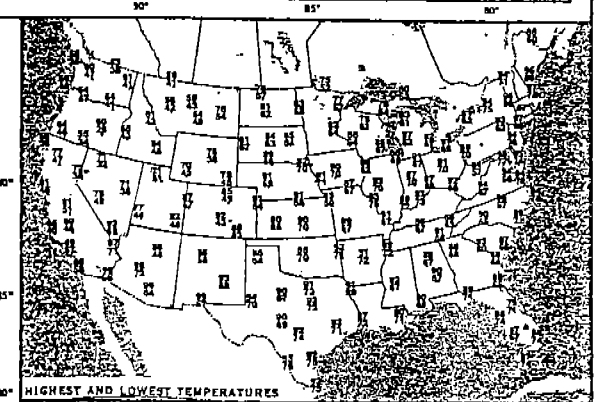
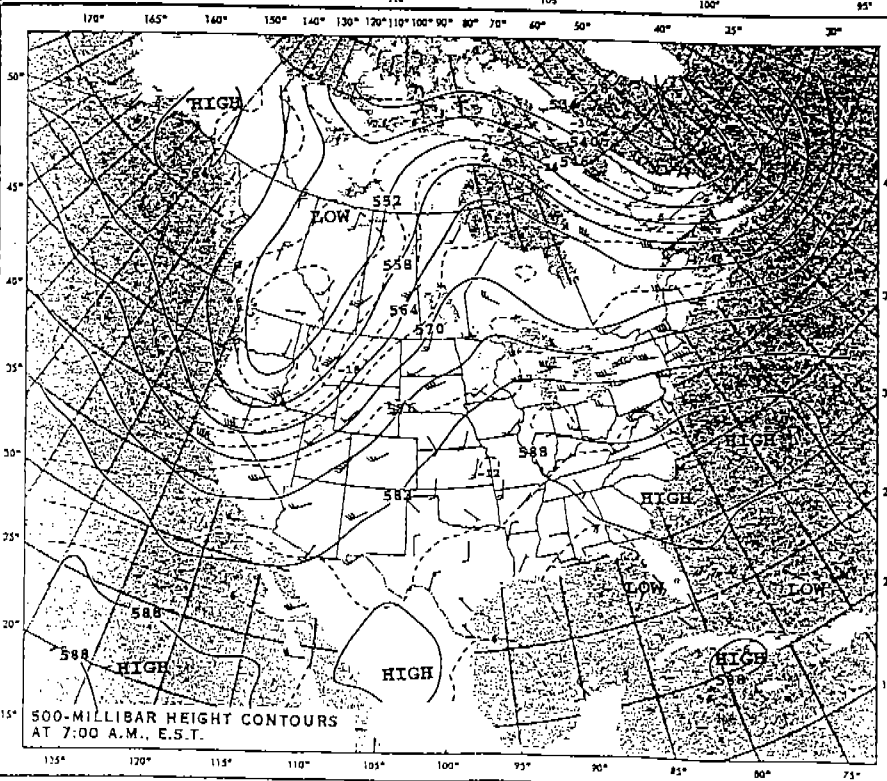
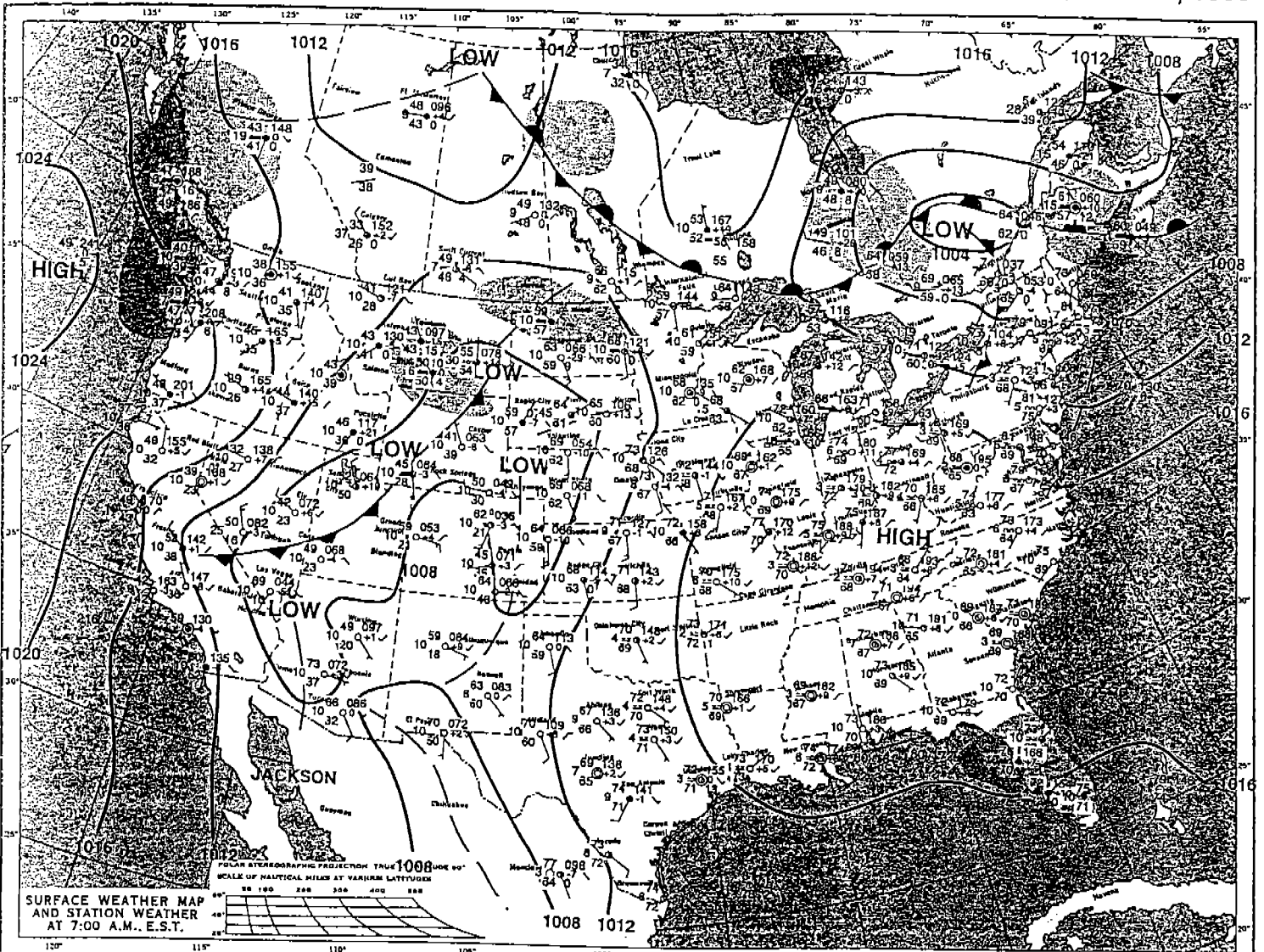
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 08 JUN 99

Source Location ★ at 35.33 N 77.62 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





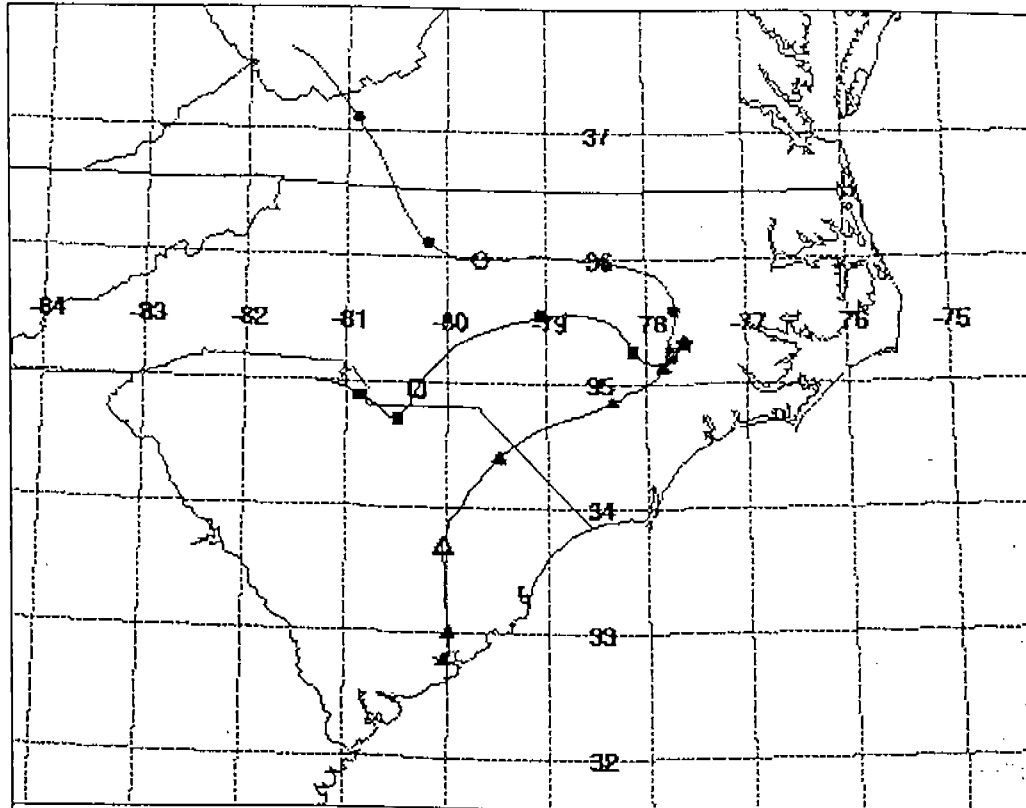


NOAA Air Resources Laboratory

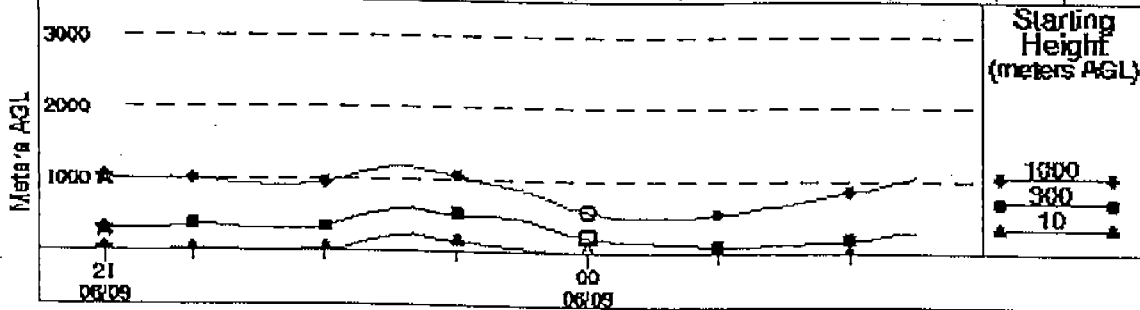
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 09 JUN 99

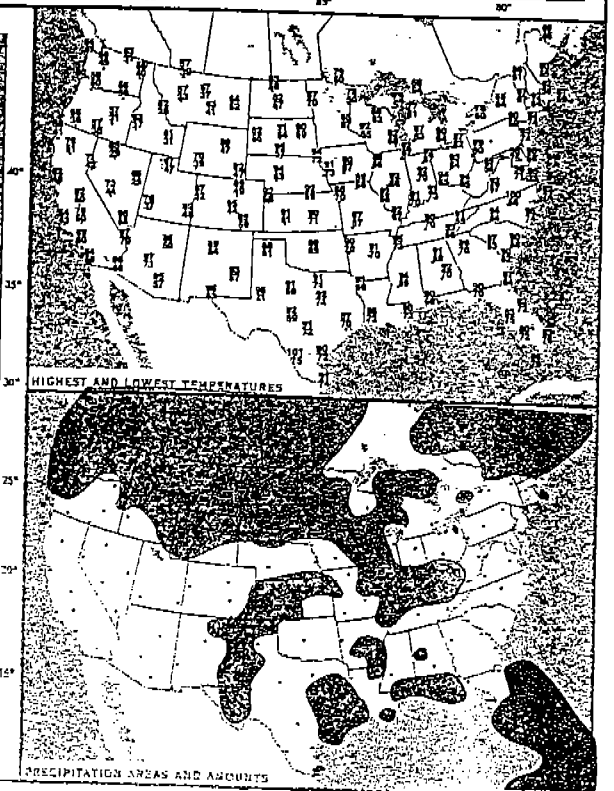
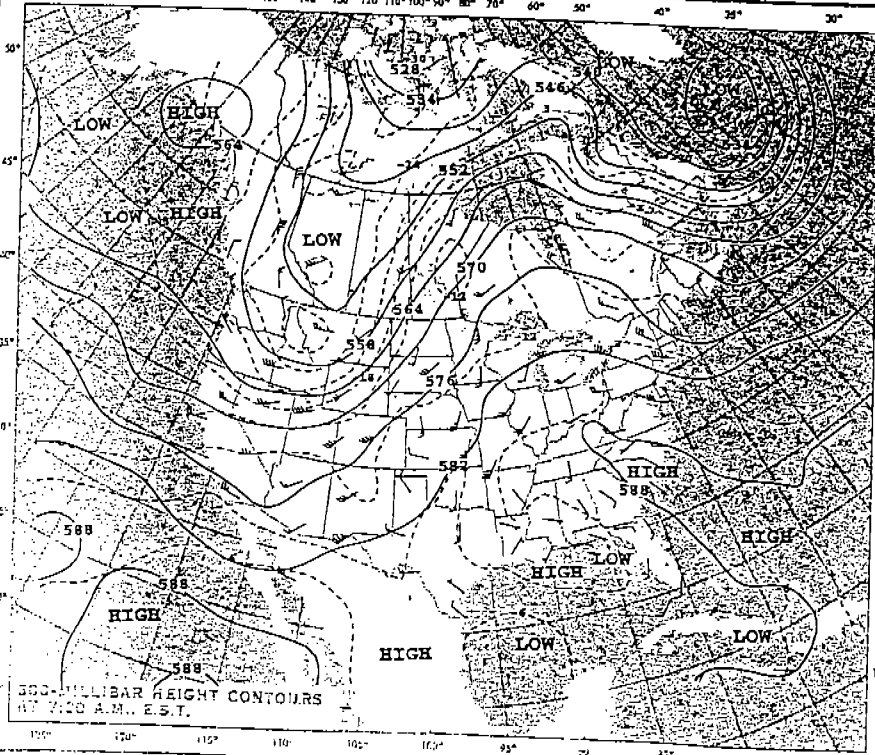
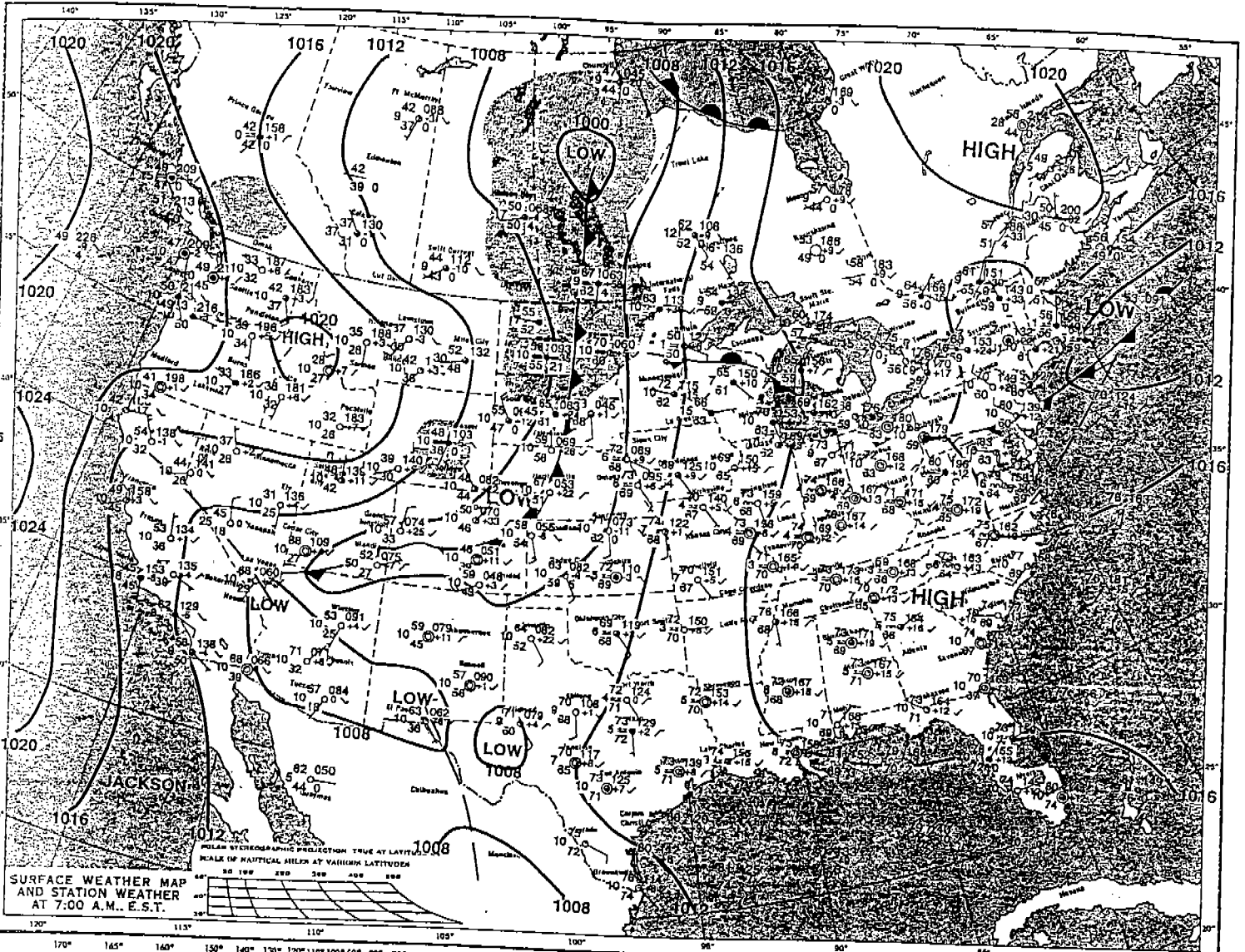
Source Location ★ at 35.93 N 77.62 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



WEDNESDAY, JUNE 9, 1999



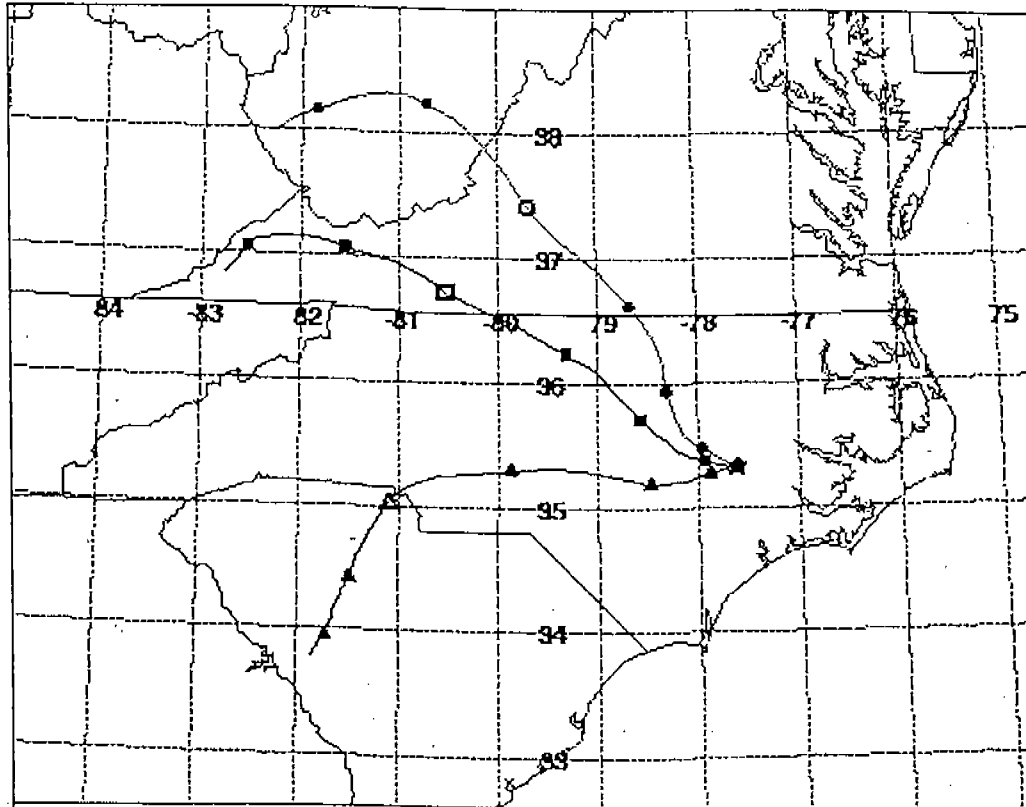


NOAA Air Resources Laboratory

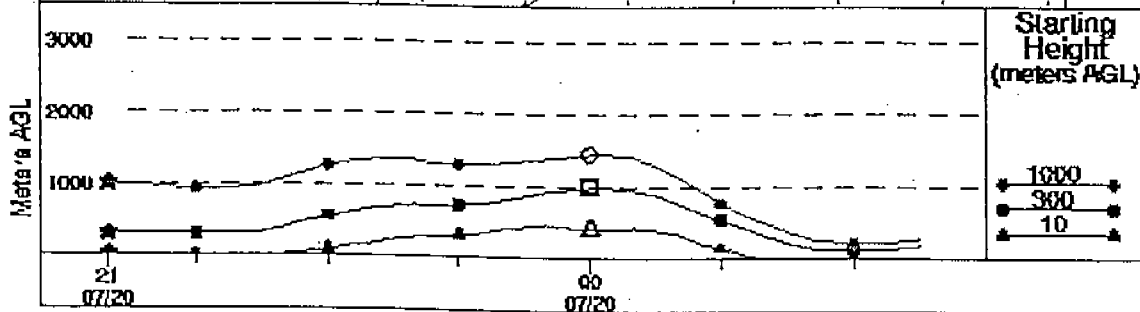
This product was produced by an Internet user on the NOAA Air Resources Laboratory's web site. See the disclaimer for further information (<http://www.arl.noaa.gov/ready/disclaim.html>).

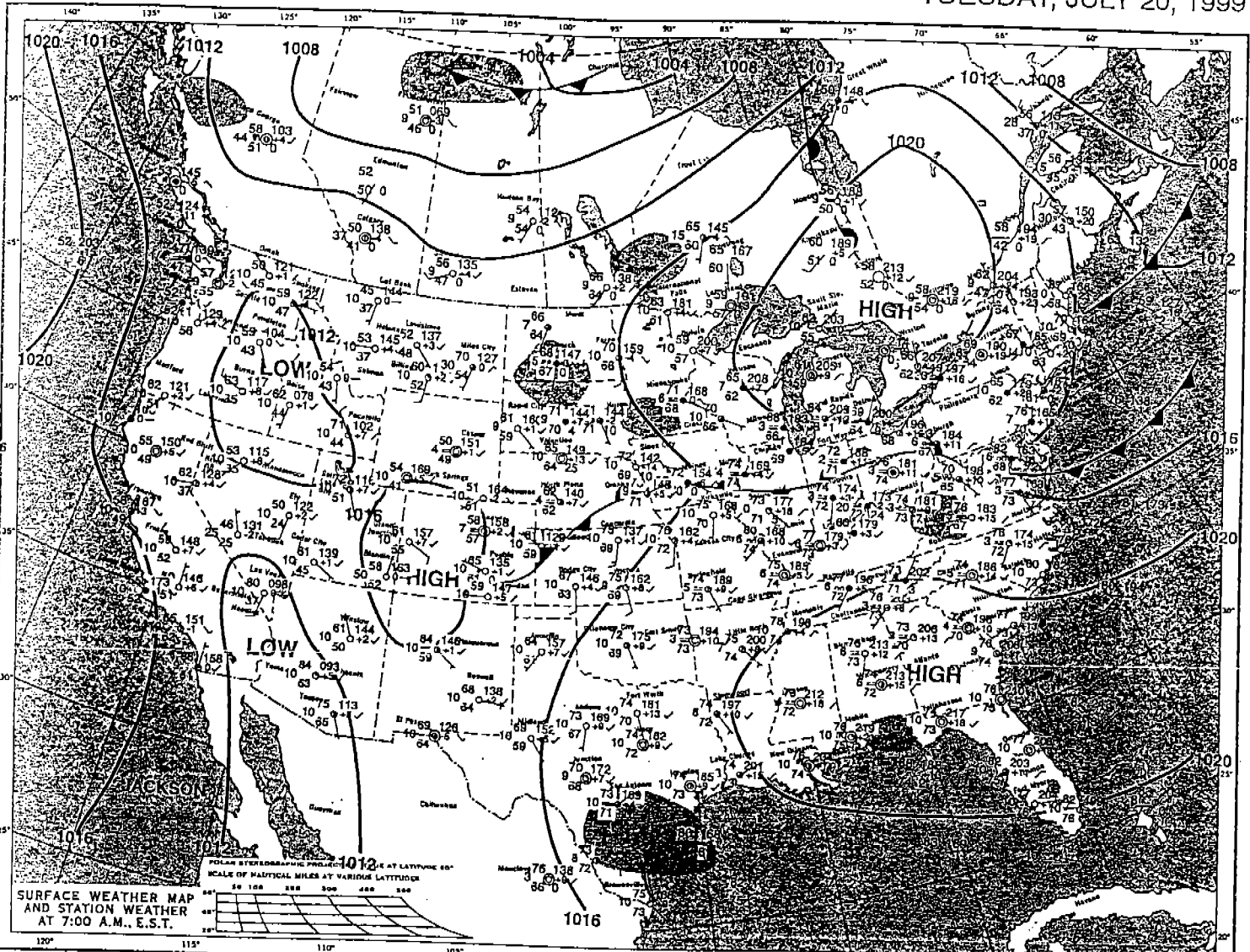
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending - 21 UTC 20 JUL 99

Source Location ★ at 35.33 N 77.62 W

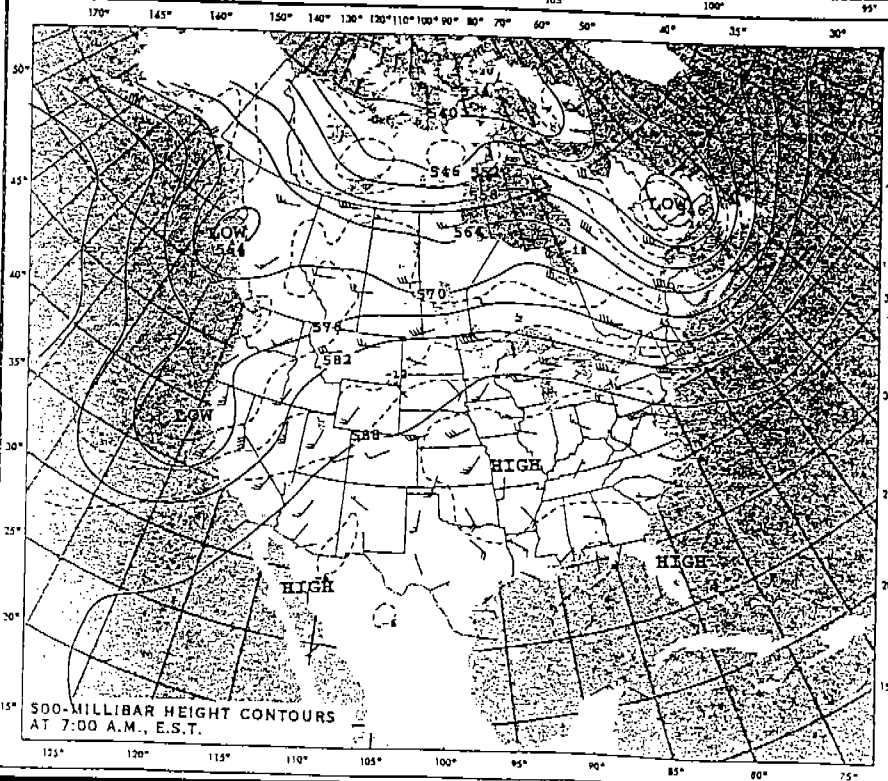


EDAS Meteorological Data
Vertical Motion Method - OMEGA





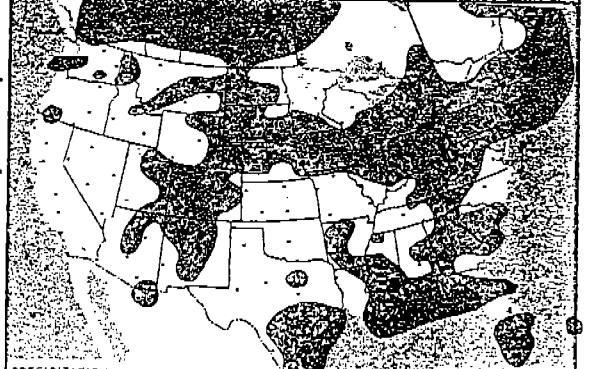
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



500-MILLIBAR HEIGHT CONTOURS AT 7:00 A.M., E.S.T.



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

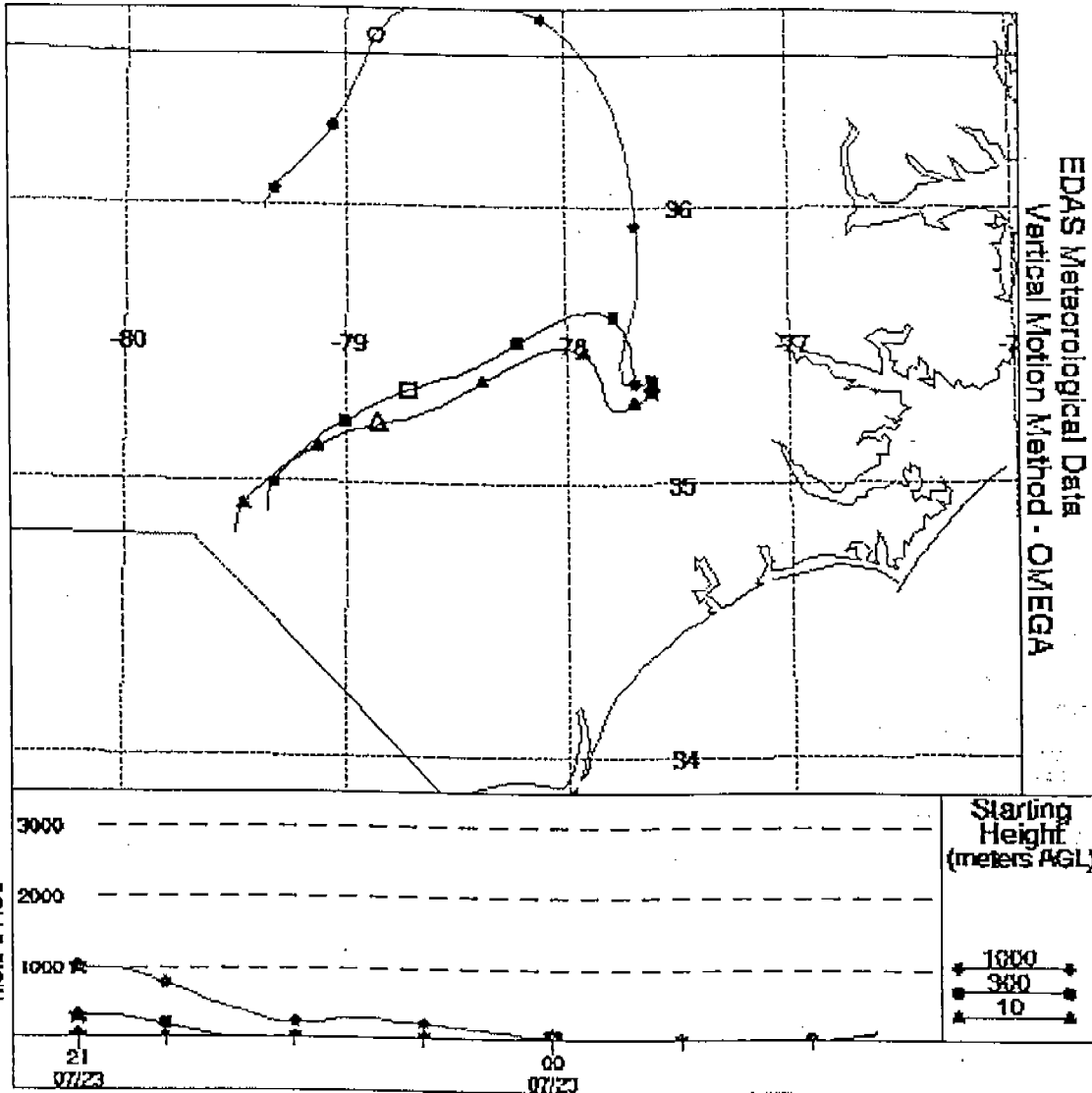


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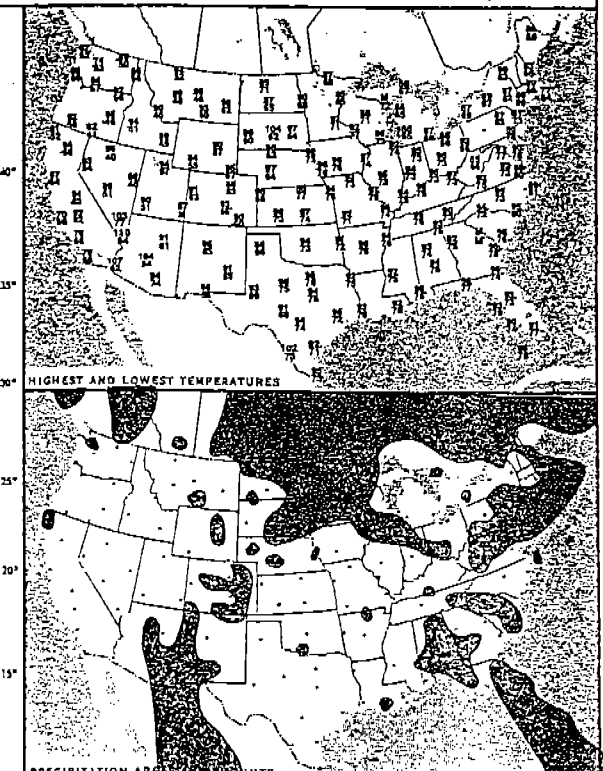
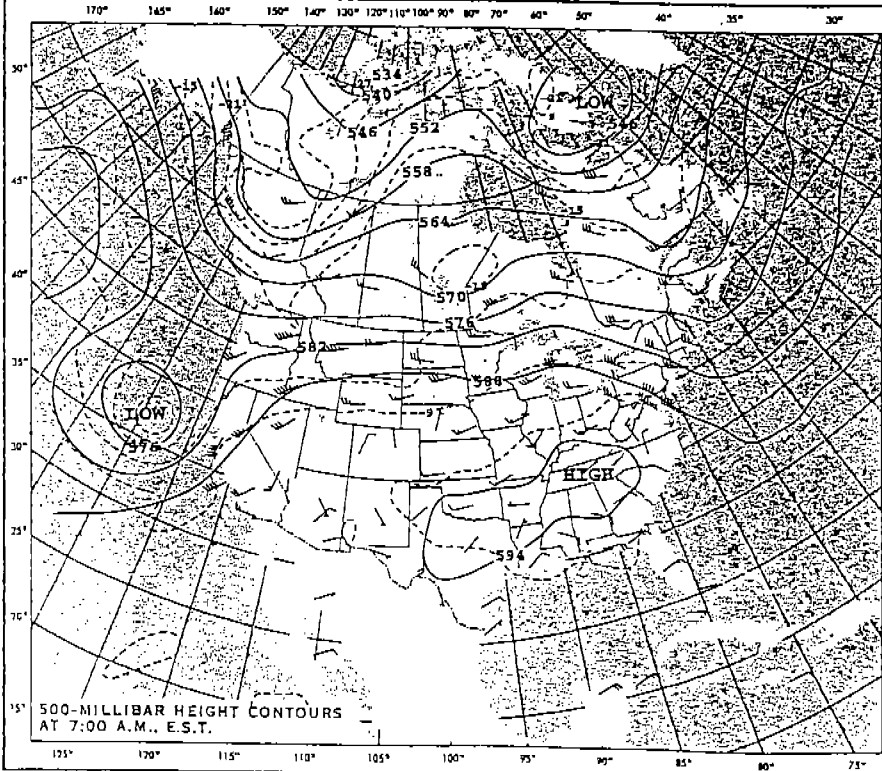
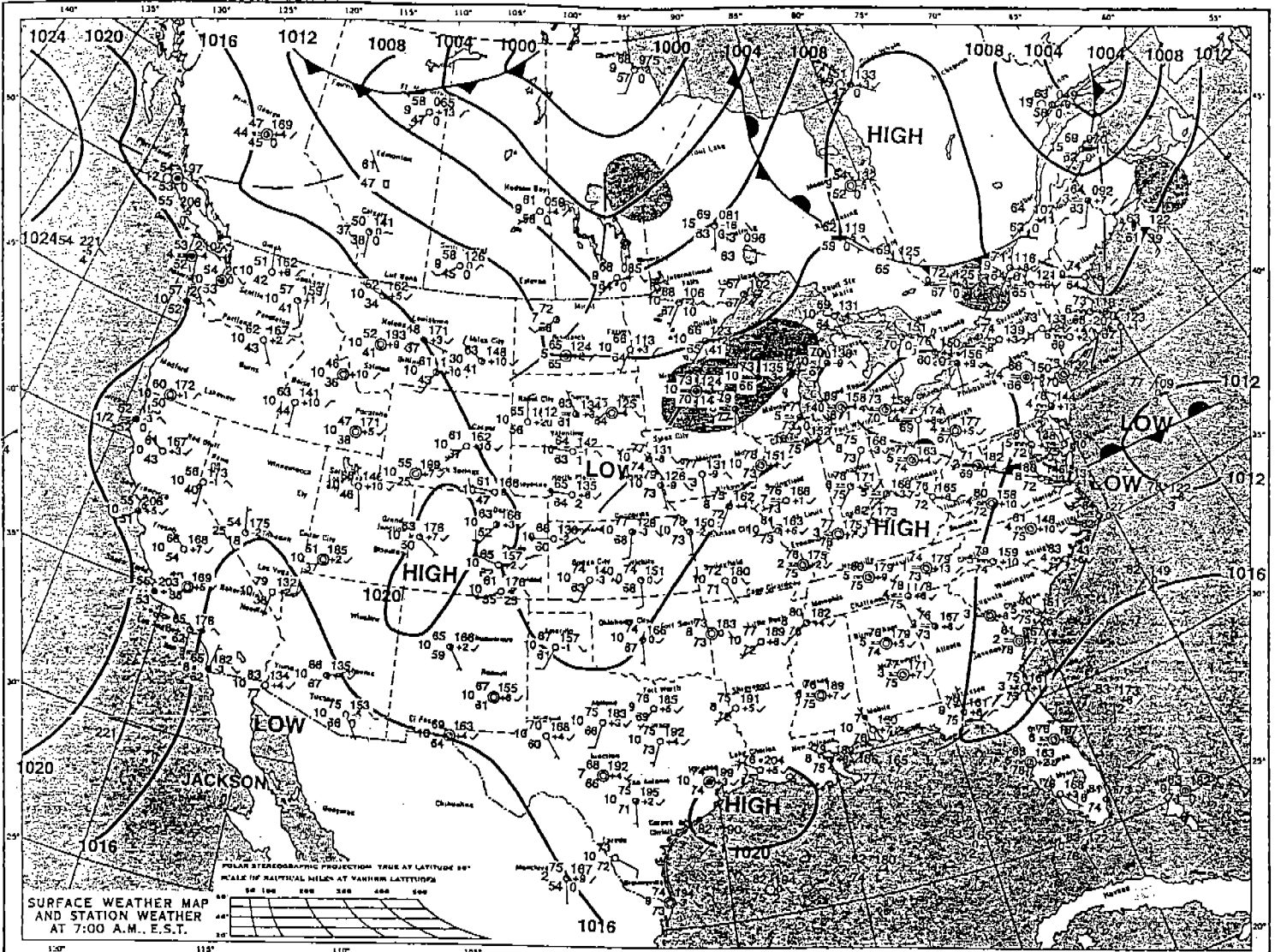
This product was produced by an Internet user on the NOAA Air Resources Laboratory's web site. See the disclaimer for further information (<http://www.arl.noaa.gov/ready/disclaim.html>).

NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 23 JUL 99

Source Location * at 35.93 N 77.62 W



FRIDAY, JULY 23, 1999



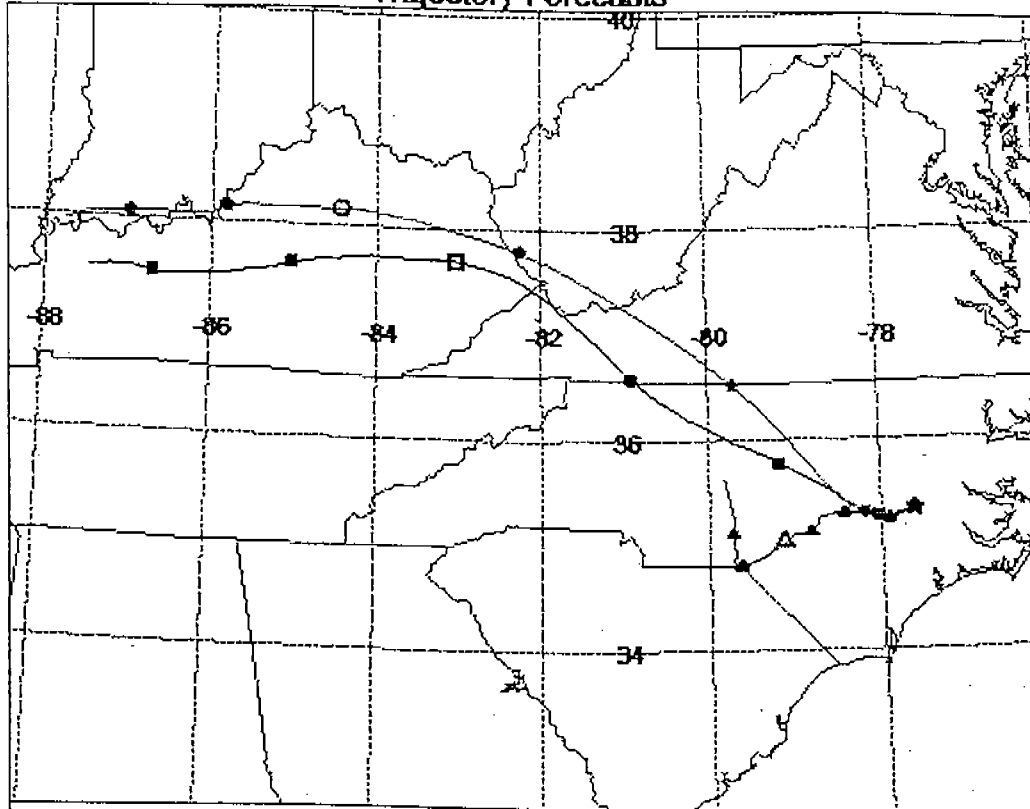


NOAA Air Resources Laboratory

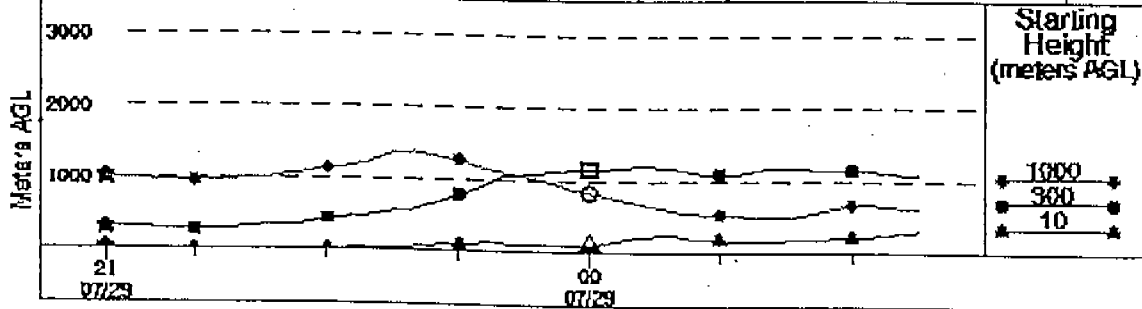
This product was produced by an Internet user on the NOAA Air Resources Laboratory's web site. See the disclaimer for further information (<http://www.arl.noaa.gov/ready/disclaim.html>).

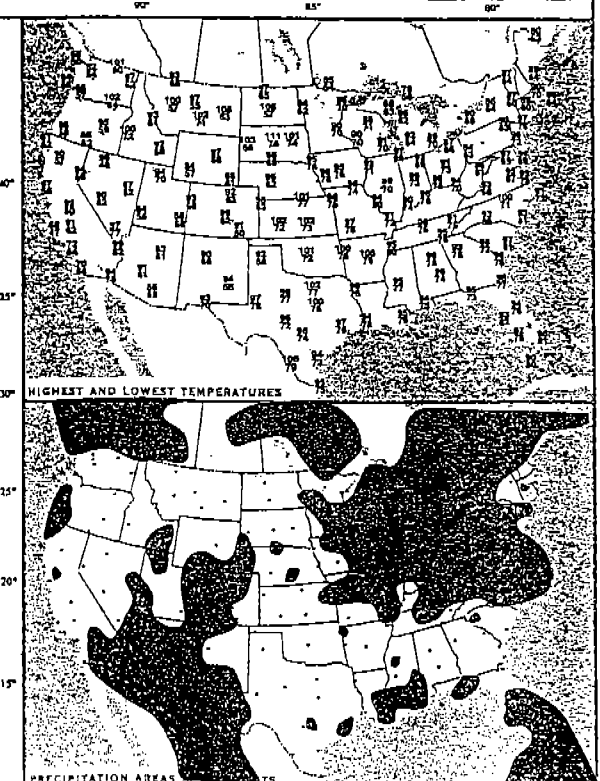
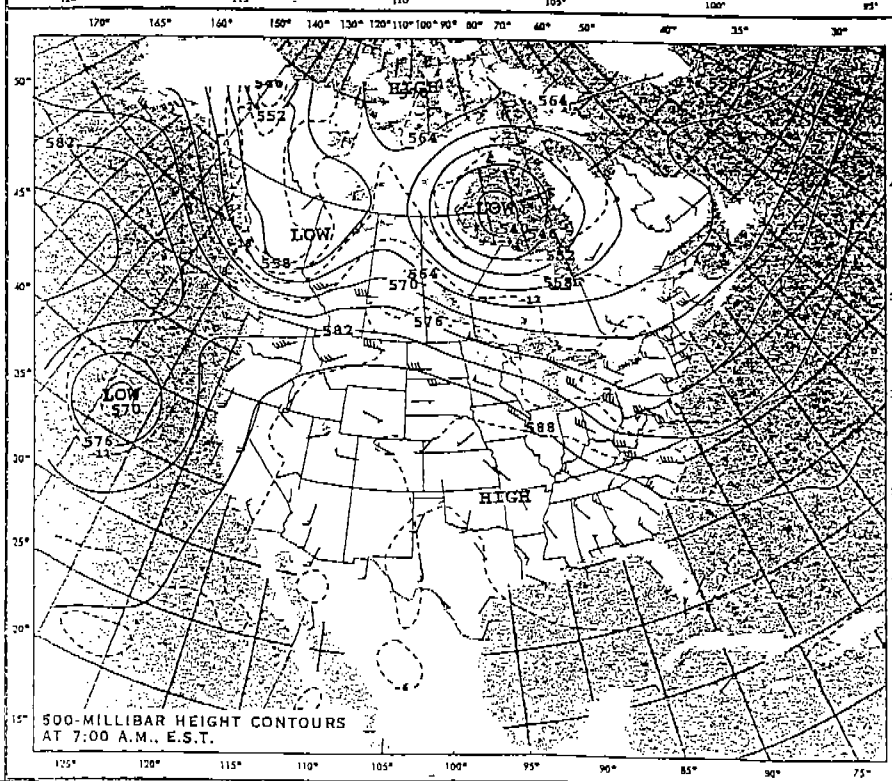
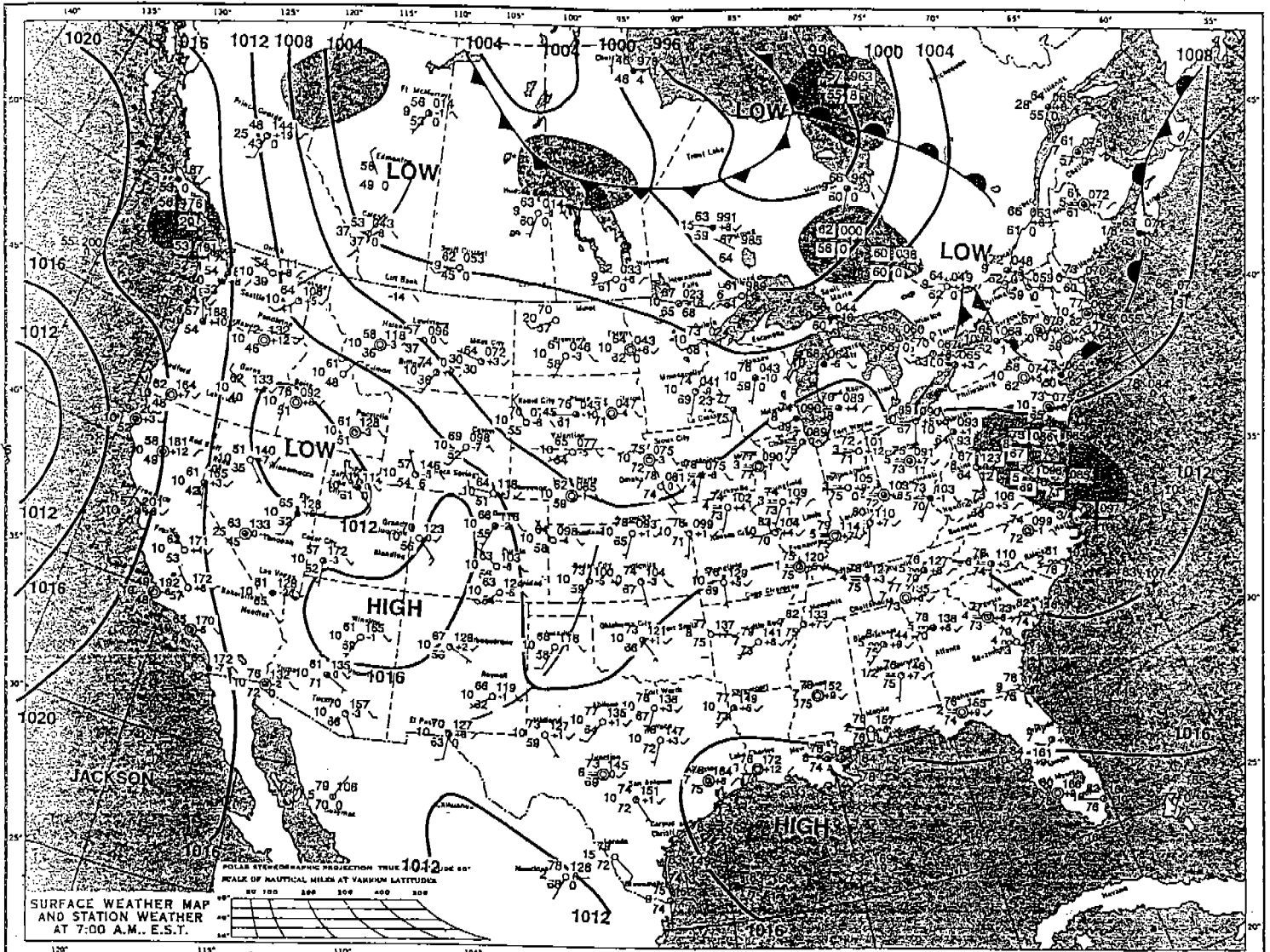
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 29 JUL 99 Trajectory Forecasts

Source Location * at 35.33 N 77.62 W



21 UTC 29 JUL EDAS Forecast Initialization
Vertical Motion Method - OMEGA





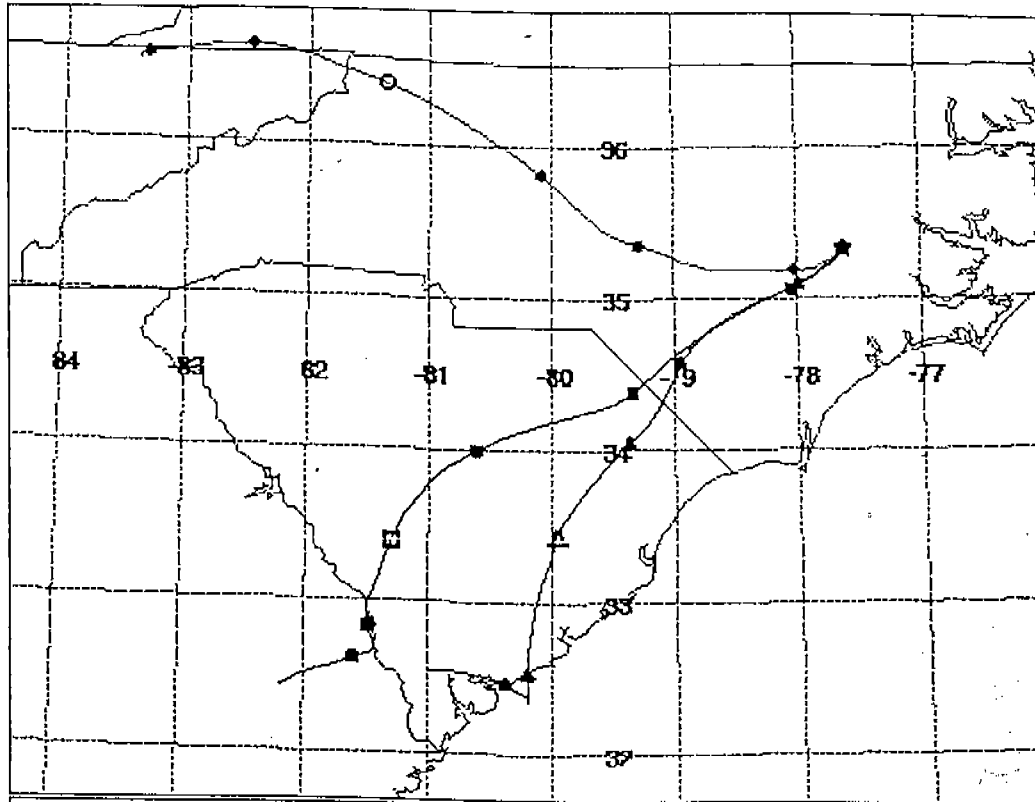


NOAA Air Resources Laboratory

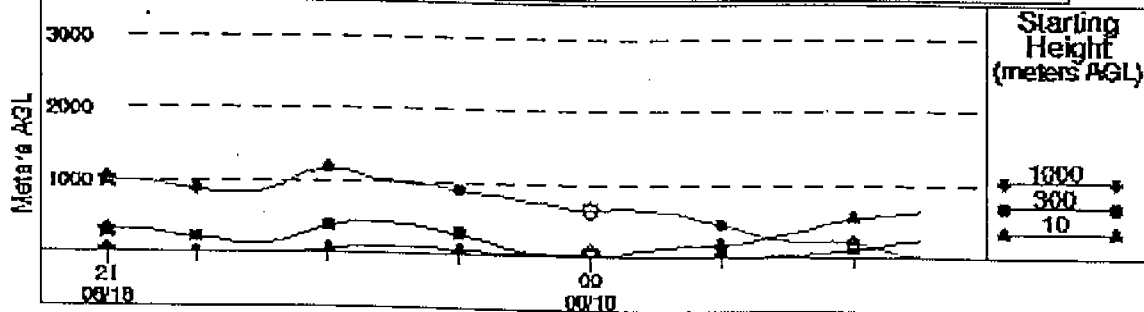
This product was produced by an Internet user on the NOAA Air Resources Laboratory's web site. See the disclaimer for further information (<http://www.arl.noaa.gov/ready/disclaim.html>).

NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 18 AUG 99

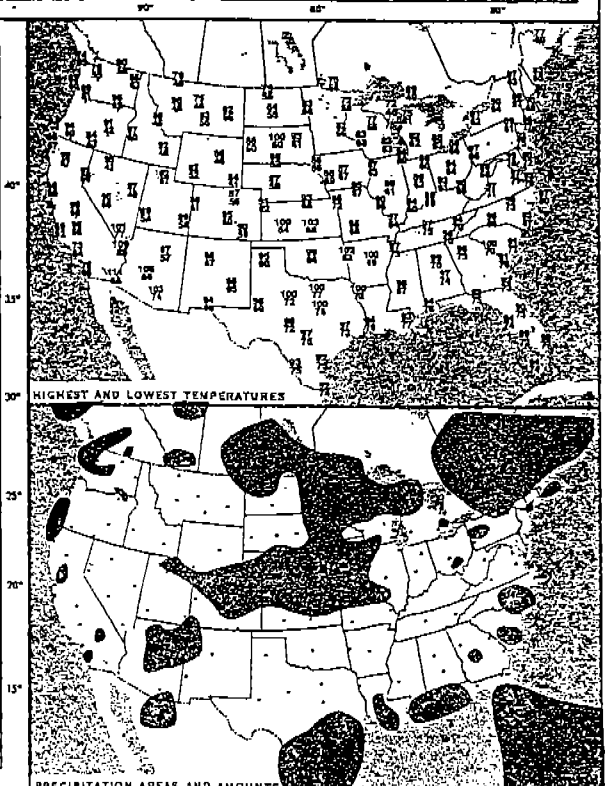
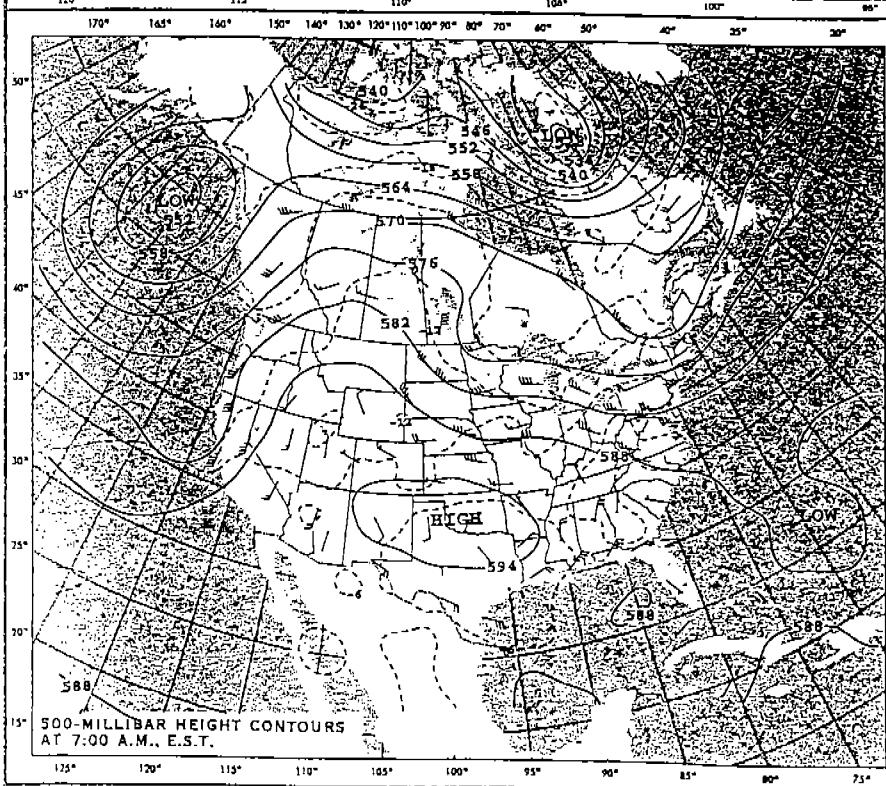
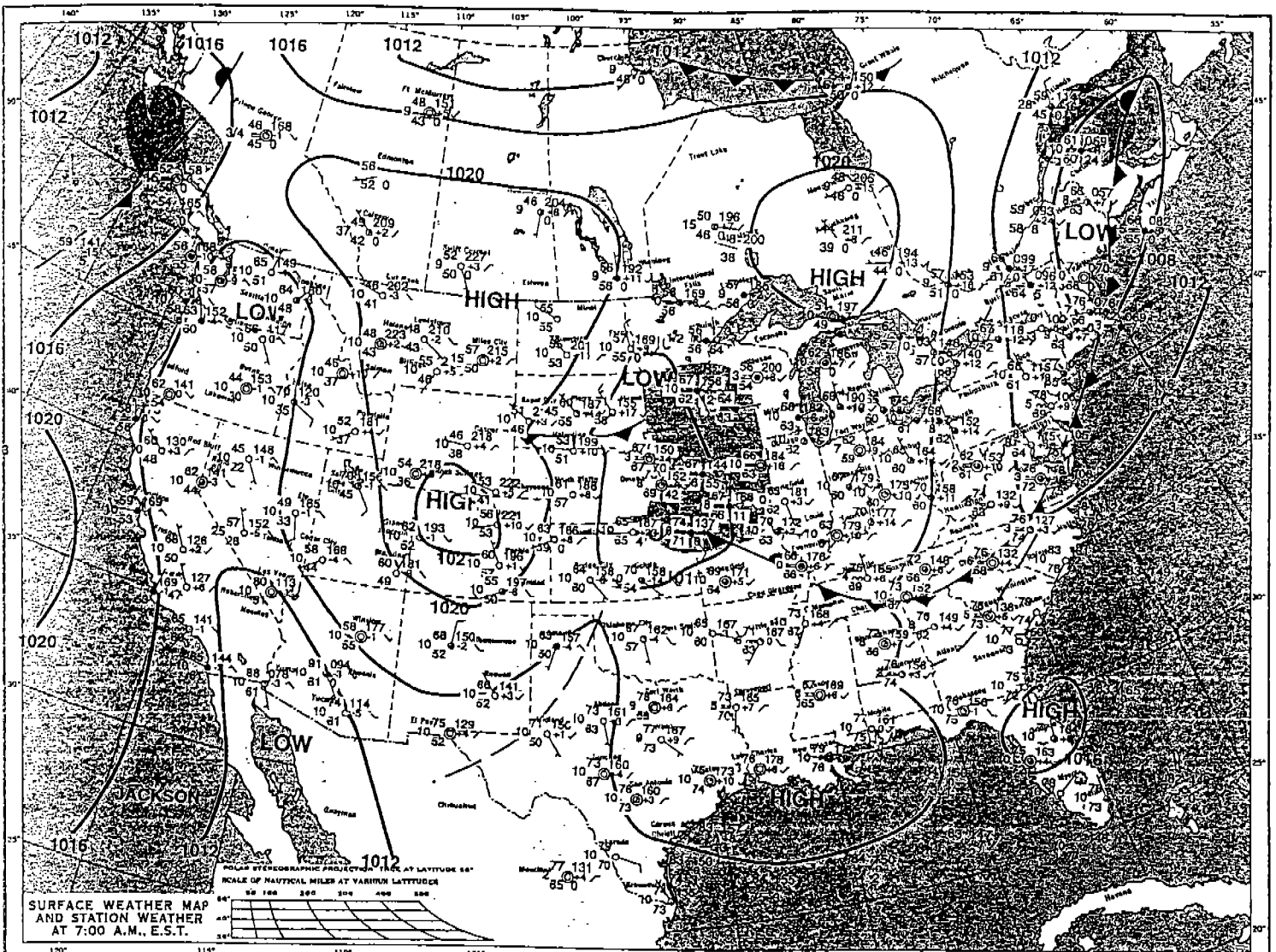
Source Location * at 35.33 N 77.62 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



WEDNESDAY, AUGUST 18, 1999



Ozone Exceedence Day Back Trajectories

Monitor Site: Leggett
Monitor ID: 370650099
Latitude: 35.99N
Longitude: -77.58W

Back Trajectory Model: HYSPLIT4
Archived Meteorological Dataset: EDAS
Vertical Motion Scheme: Model Vertical Velocity
Back Trajectory Duration: 36 Hours
Trajectory End Time: 20 UTC
Trajectory Heights: 1000m
300m
10m

Total 1997 8-Hour Ozone Exceedences:

8

1997 Ozone Exceedence Dates:

May –

June – 24

July – 3, 11, 12, 13, 14, 15, & 18

August –

September –

Total 1998 8-Hour Ozone Exceedences:

7

1998 Ozone Exceedence Dates:

May – 19

June – 3 & 26

July –

August – 22 & 23

September – 12 & 13

Total 1999 8-Hour Ozone Exceedences:

7

1999 Ozone Exceedence Dates:

May –

June – 8 & 9

July – 30

August – 5, 6, 7, & 18

September –



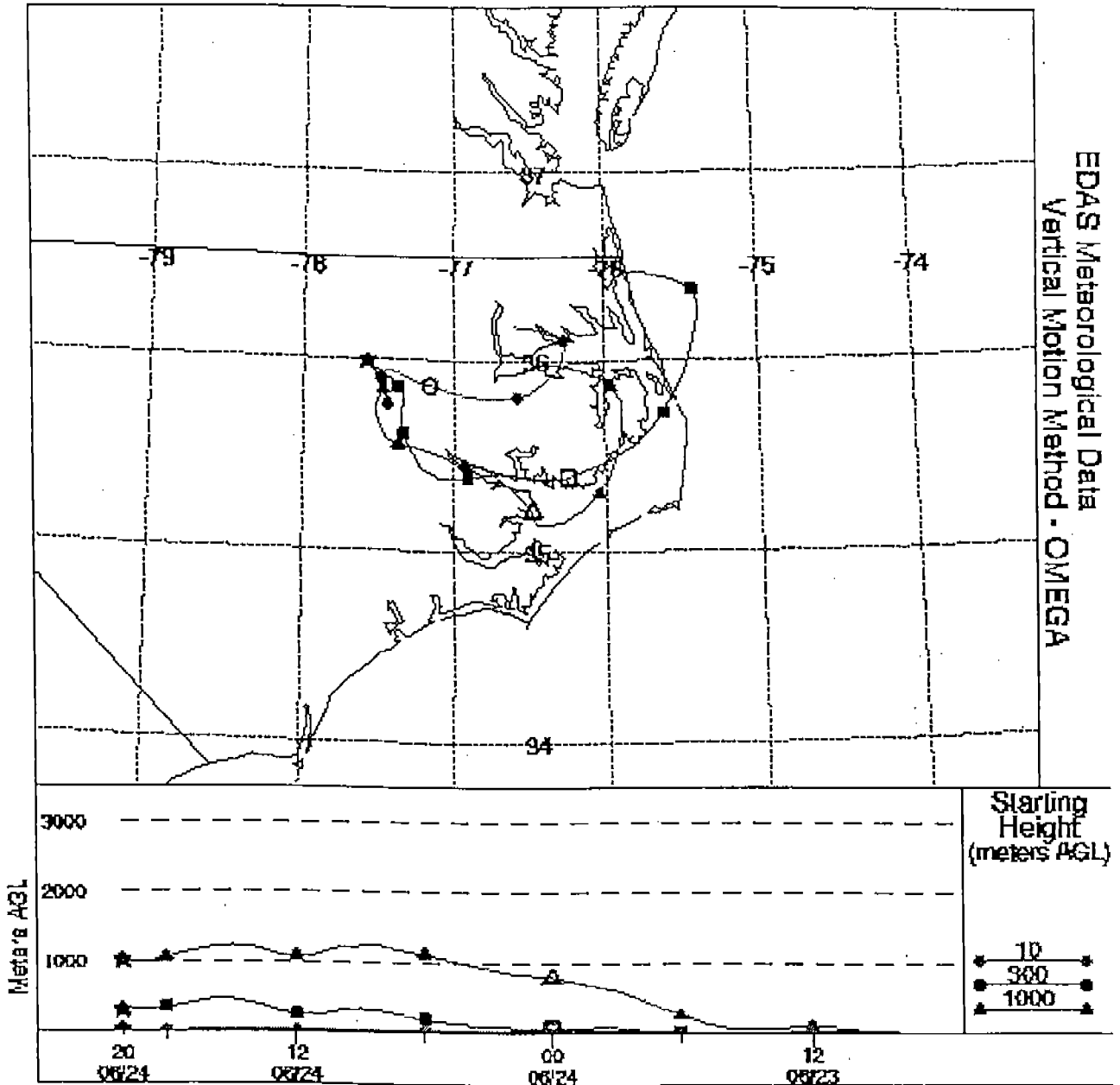
NOAA Air Resources Laboratory

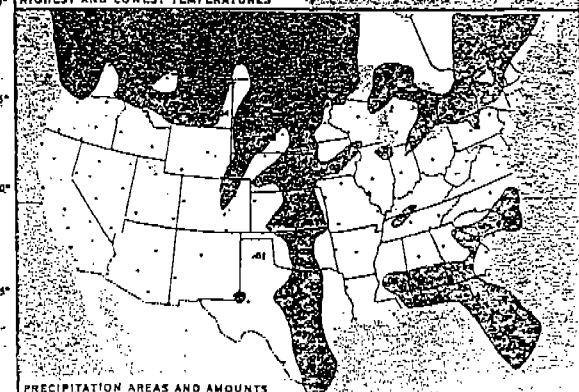
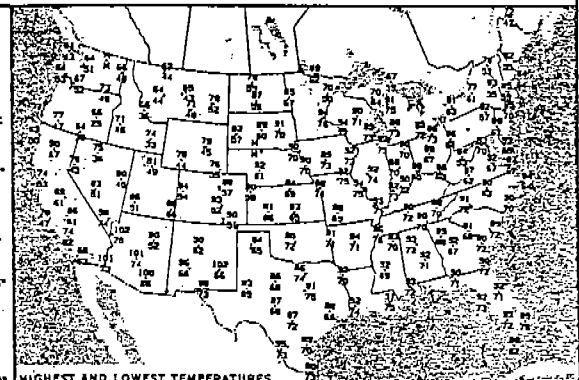
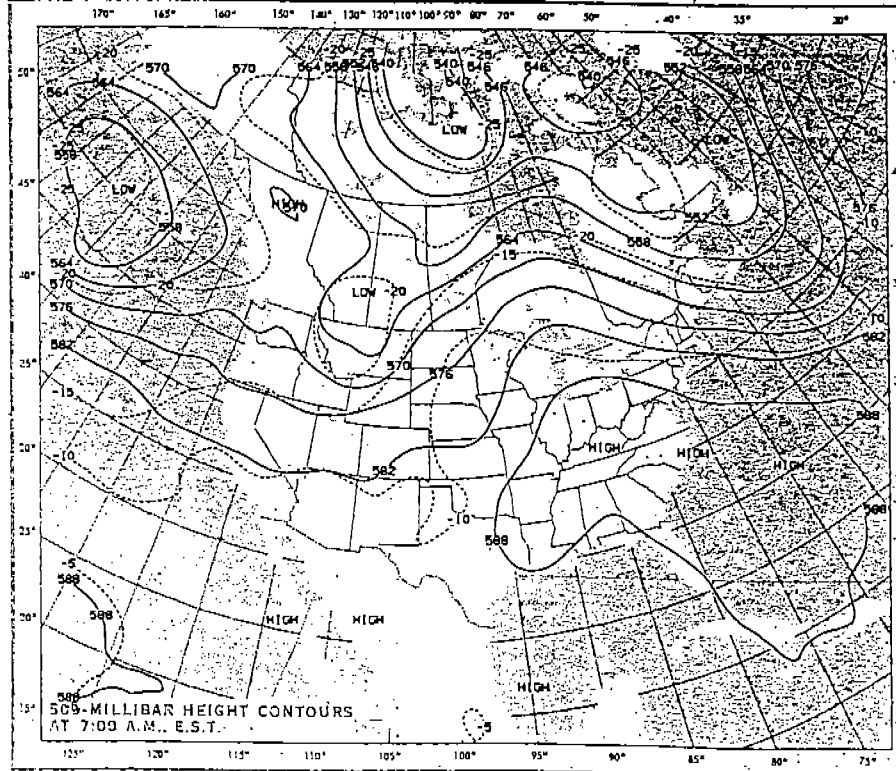
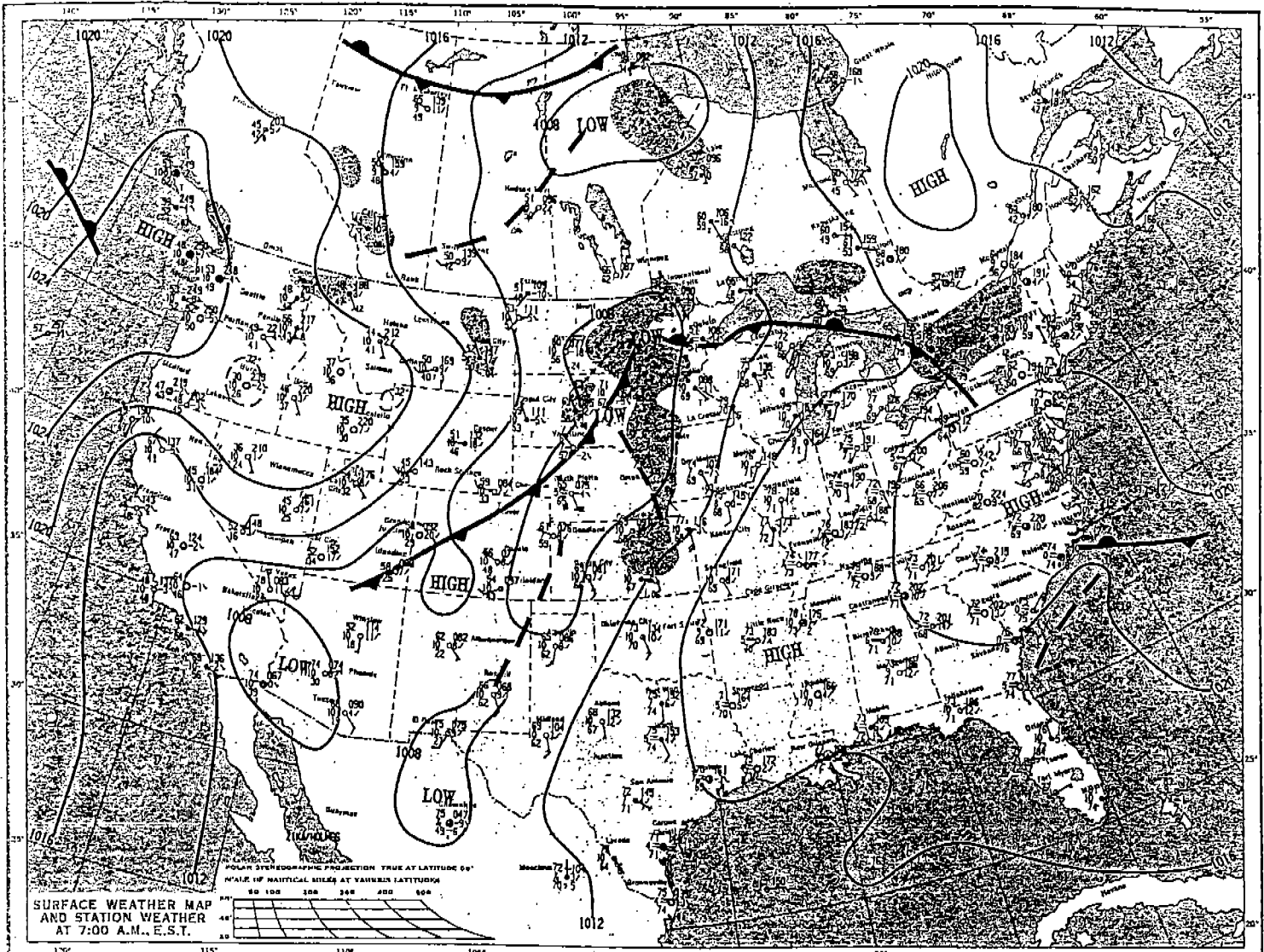
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 24 JUN 97

Source Location ★ at 35.99 N 77.58 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA





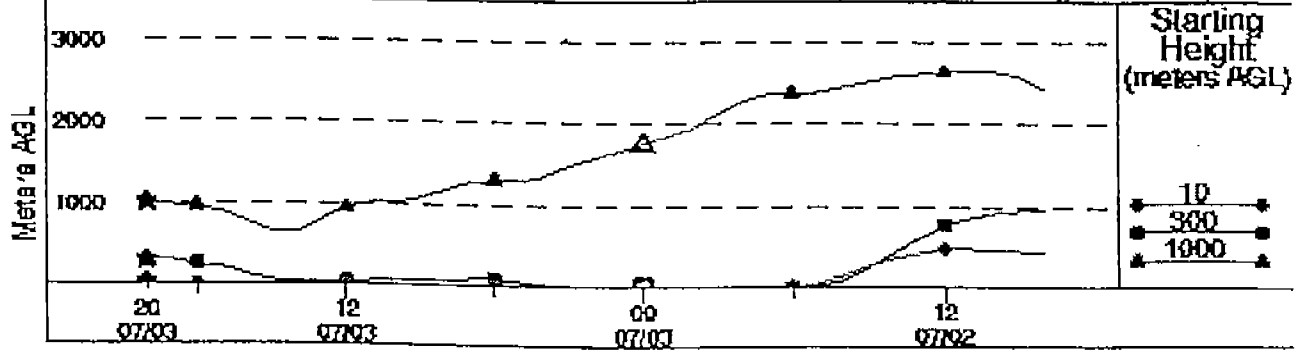
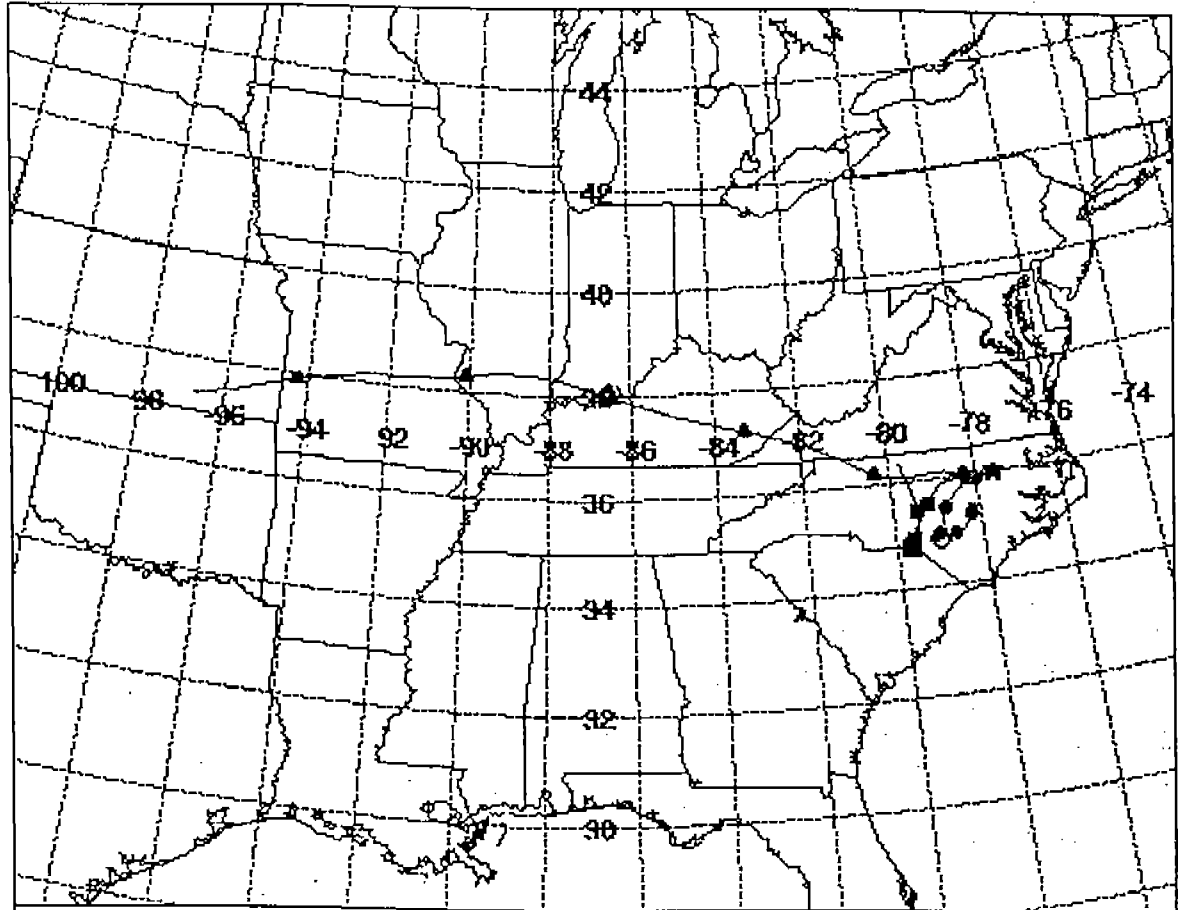


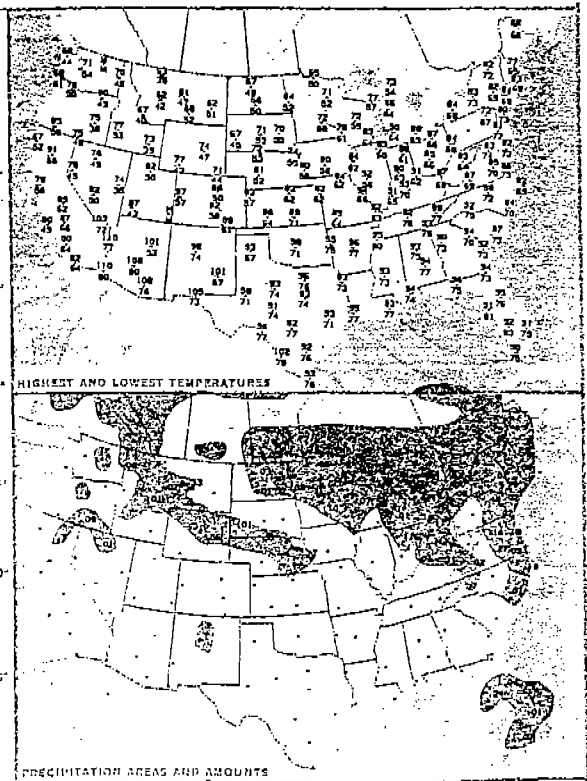
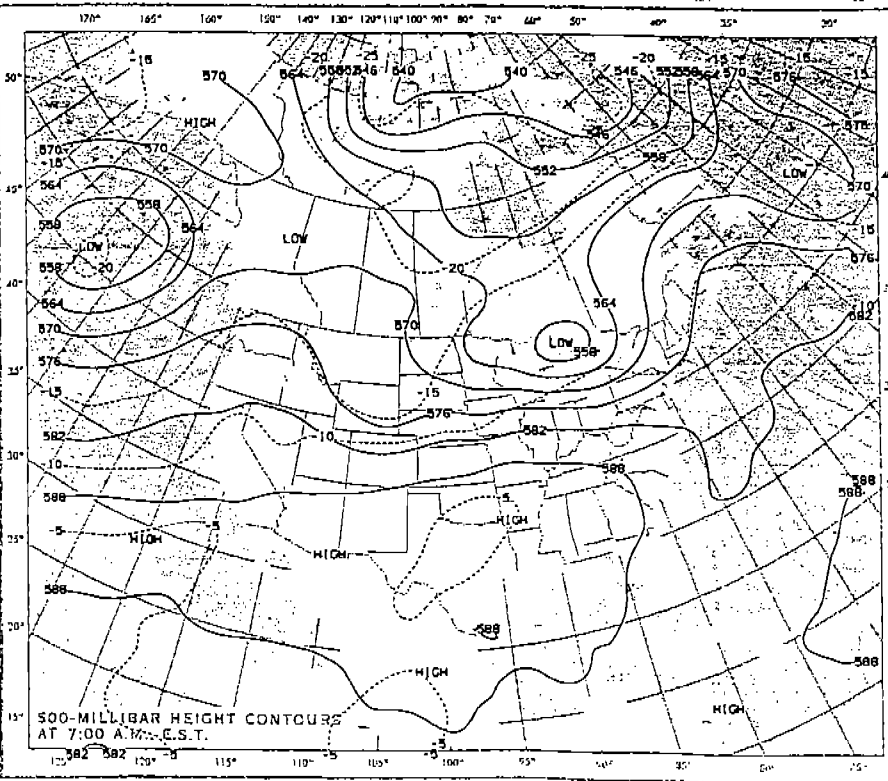
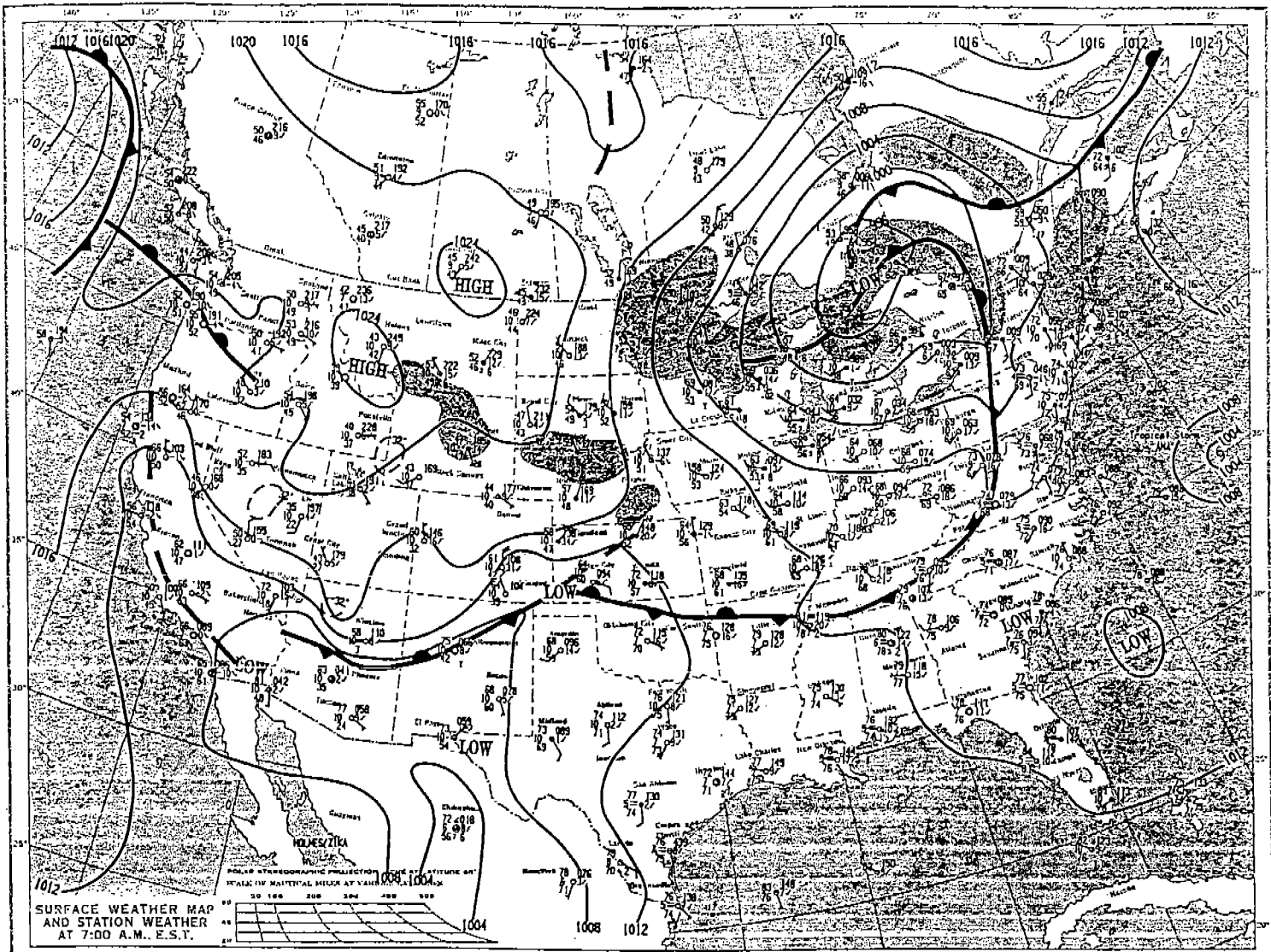
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 03 JUL 97

Source Location ★ at 35.99 N 77.58 W





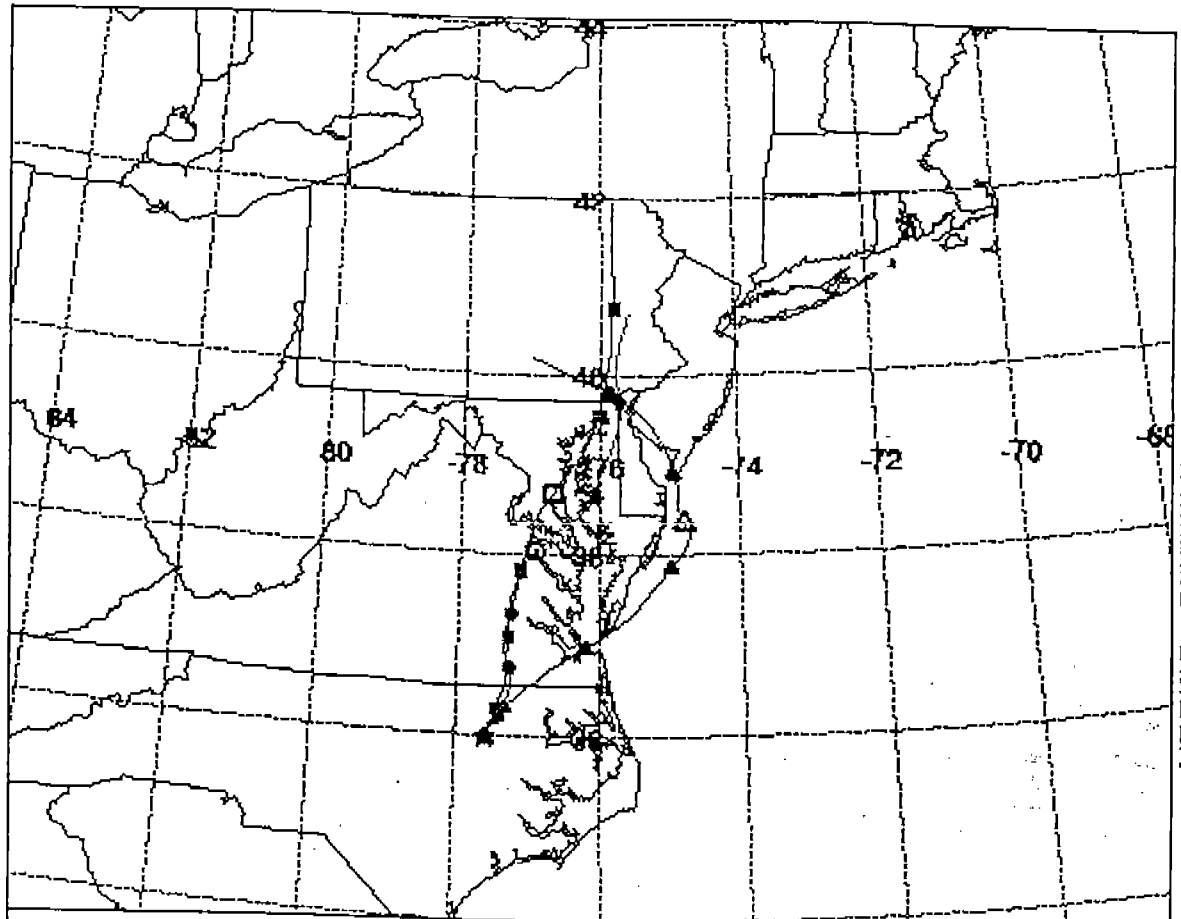


NOAA Air Resources Laboratory

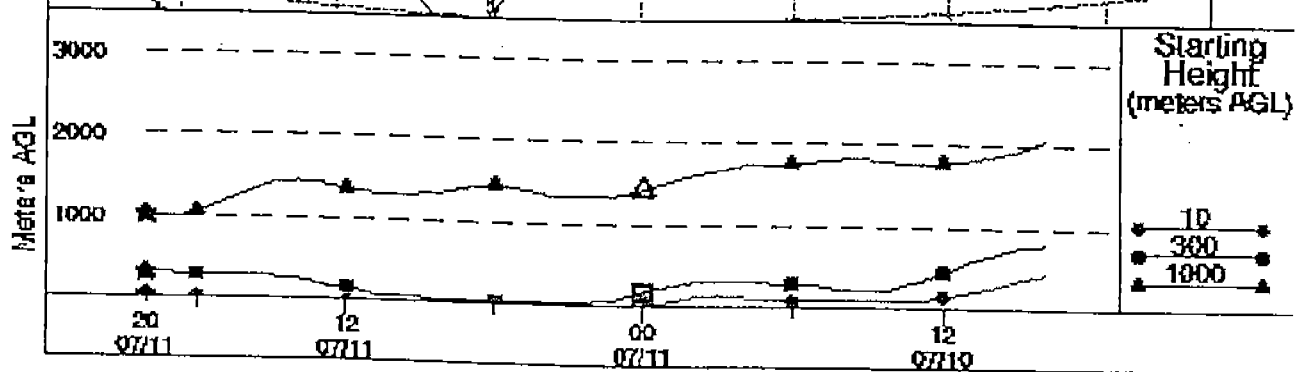
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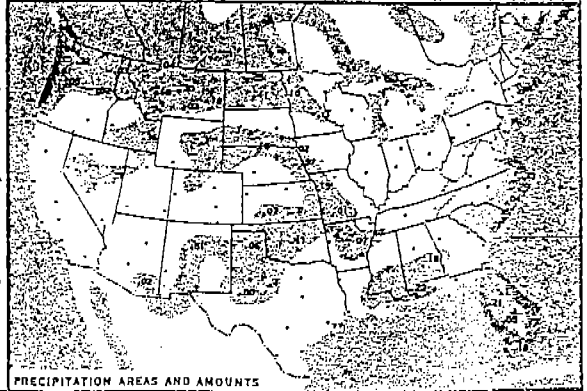
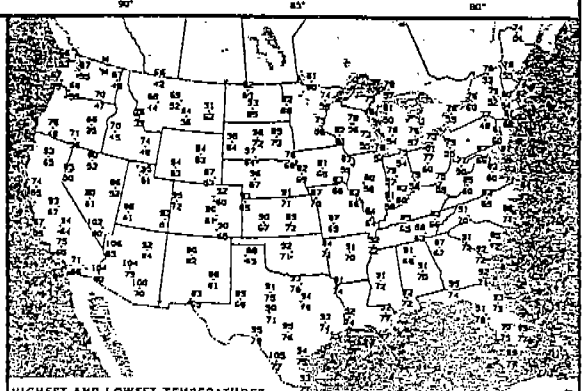
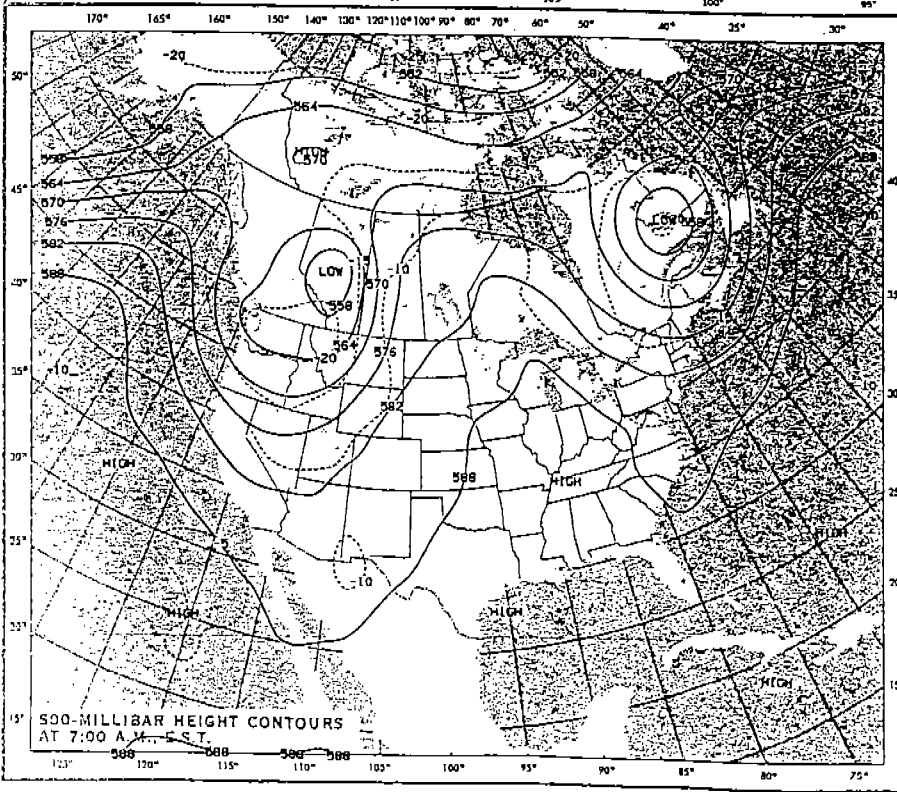
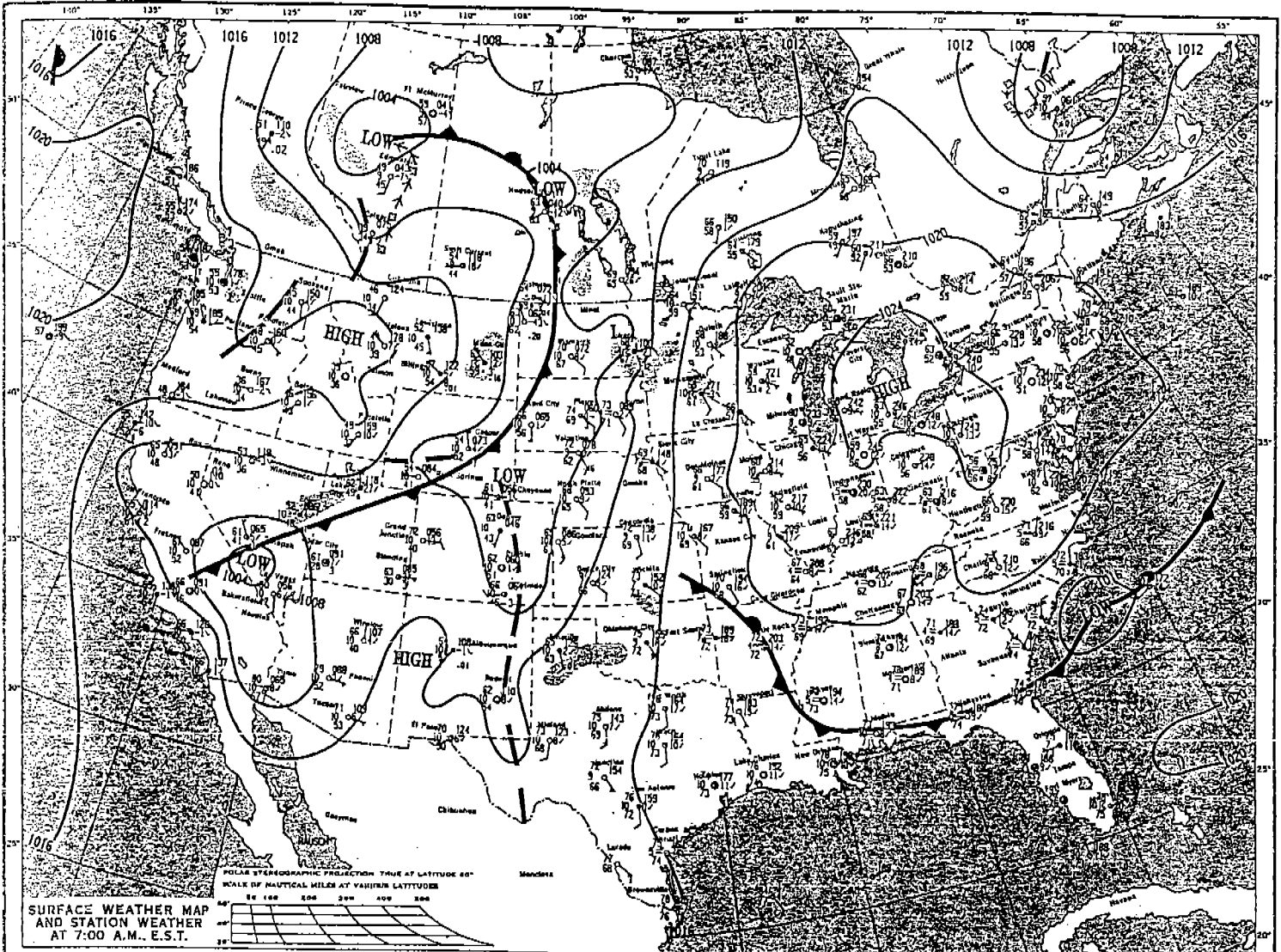
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 11 JUL 97

Source Location ★ at 35.98 N 77.58 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





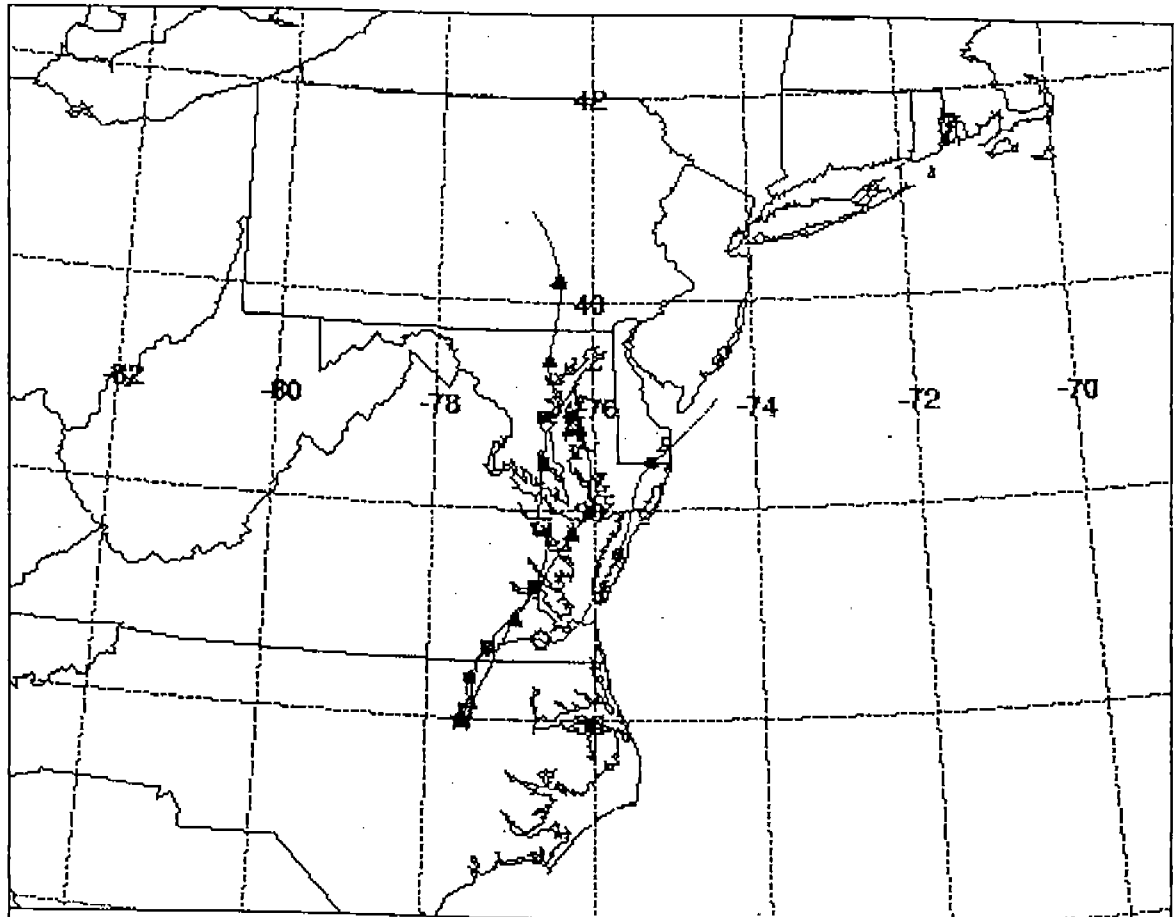


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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 12 JUL 97

Source Location ★ at 35.68 N 77.58 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA

