

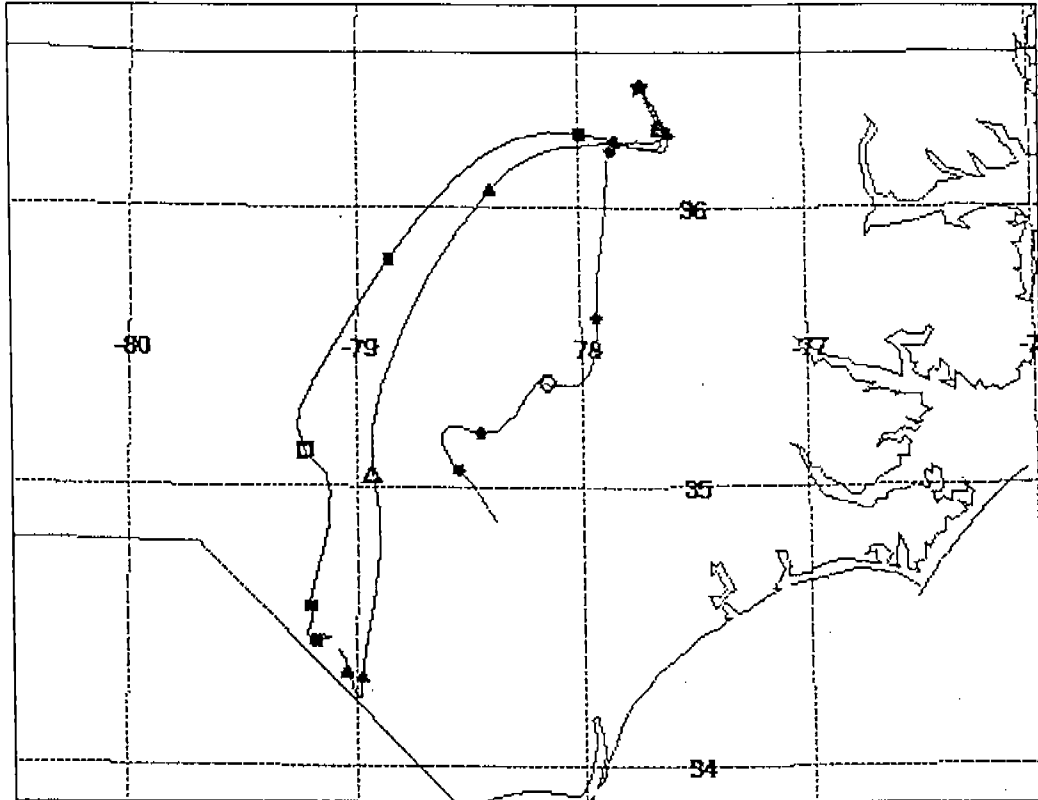
US EPA ARCHIVE DOCUMENT



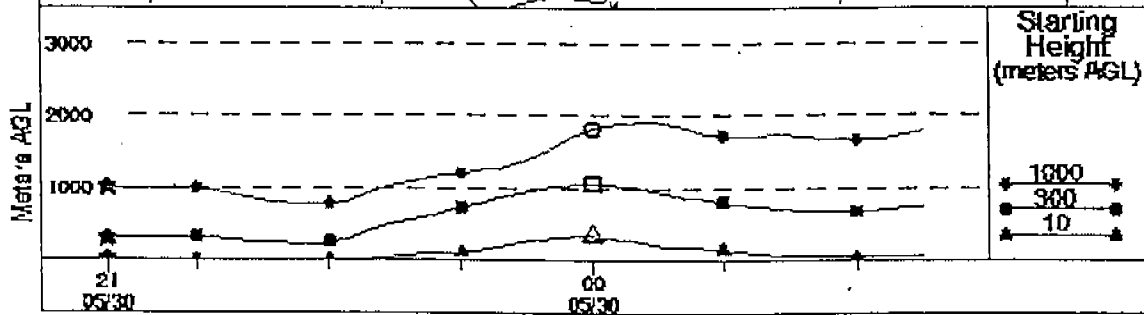
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 30 MAY 99

Source Location * at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



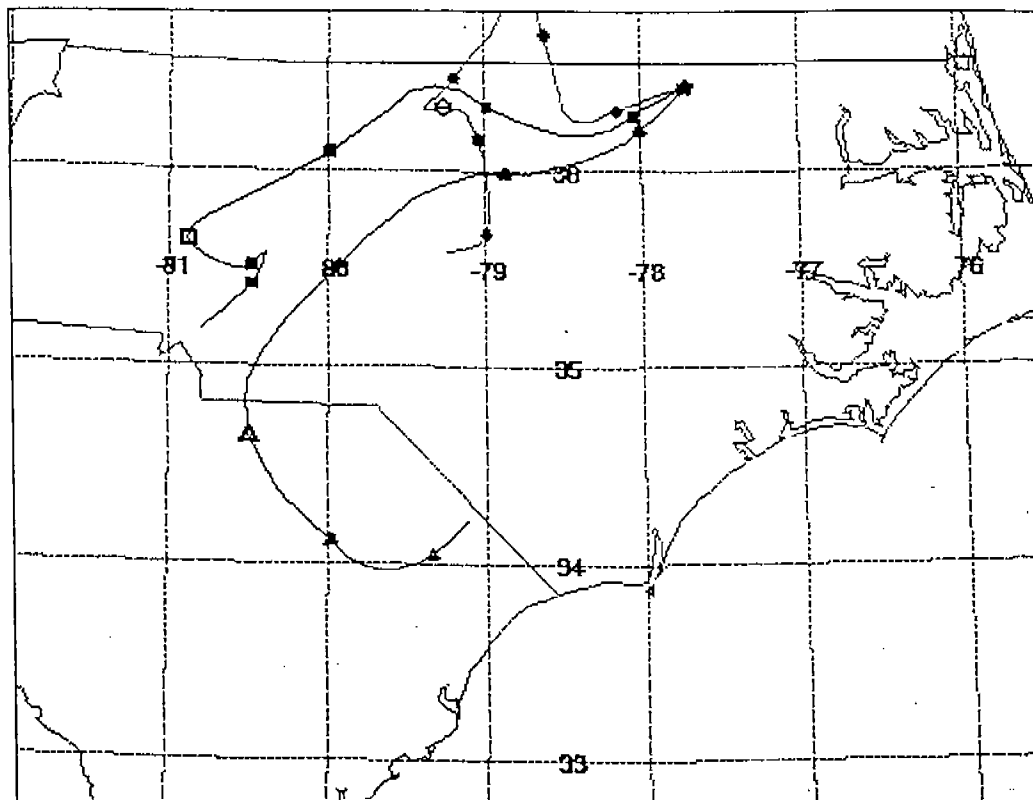


NOAA Air Resources Laboratory

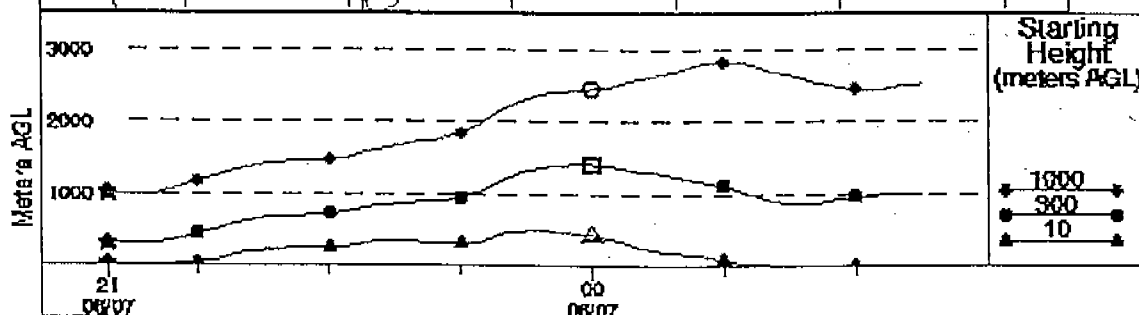
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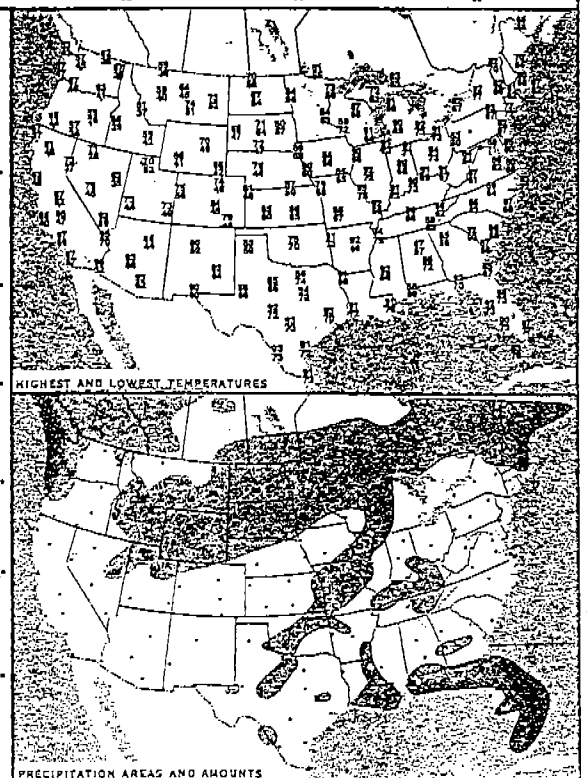
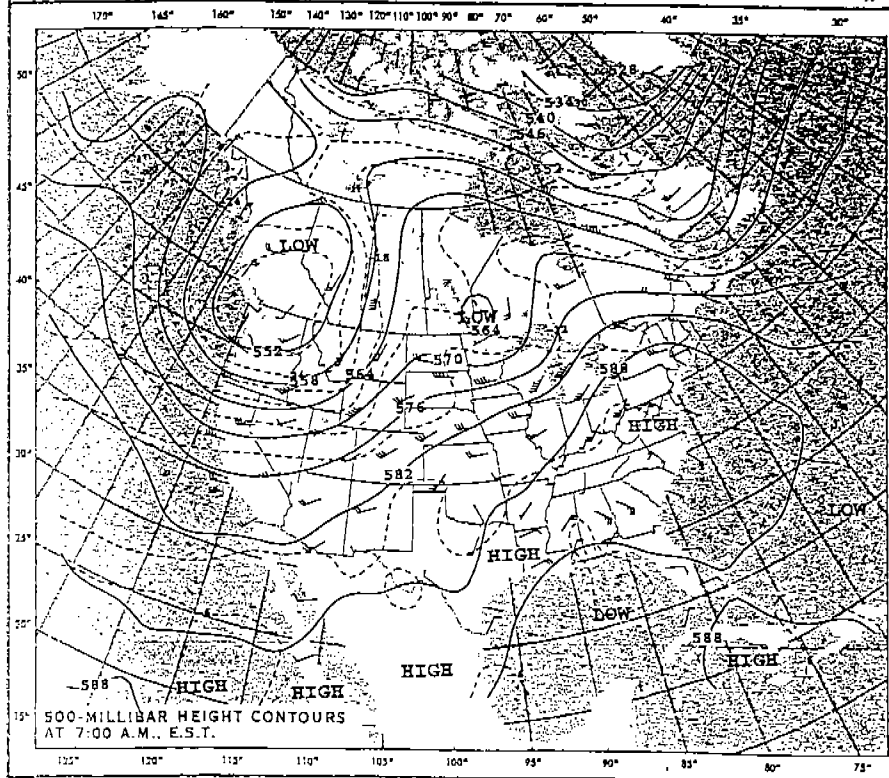
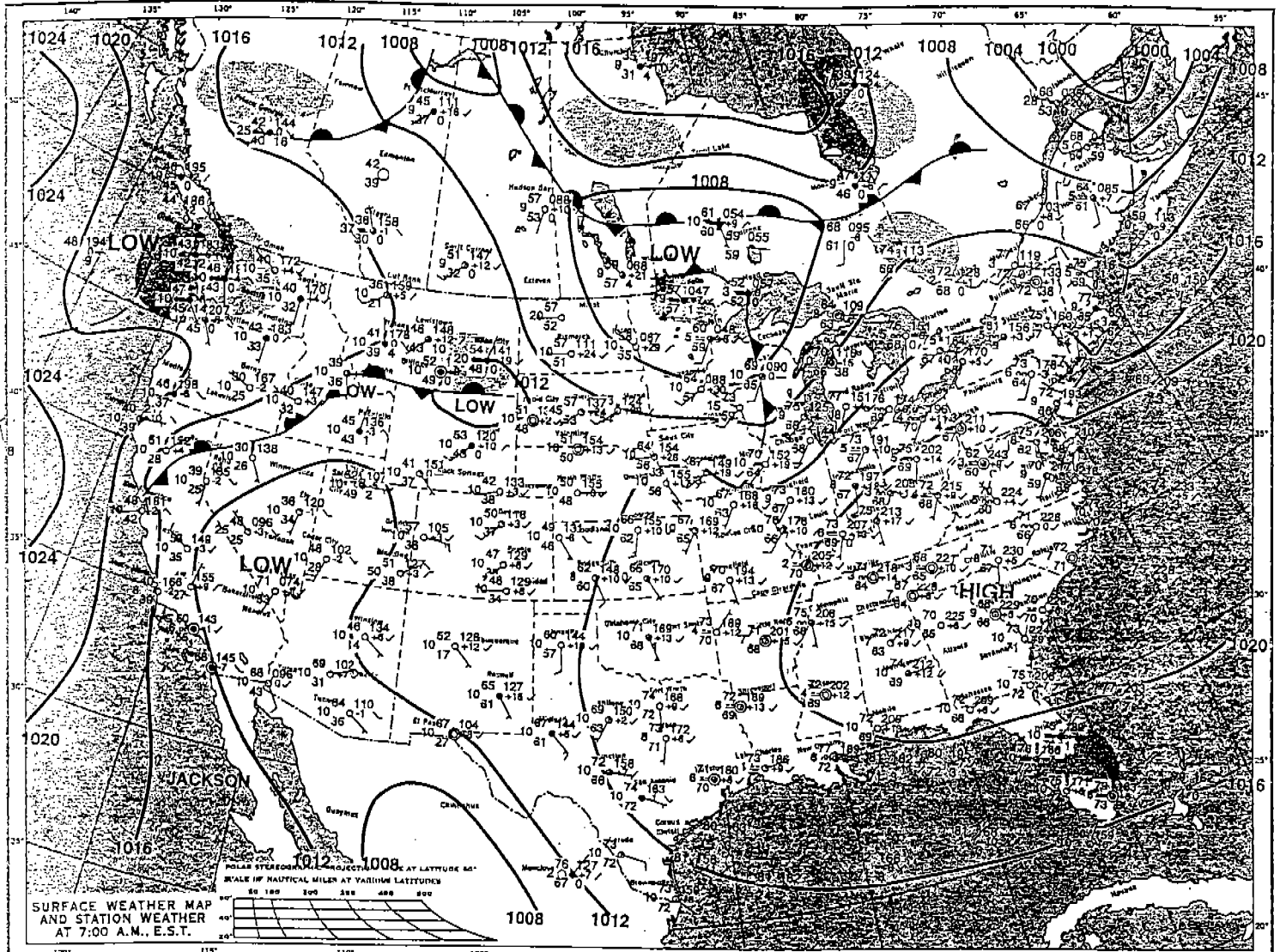
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 07 JUN 99

Source Location ★ at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





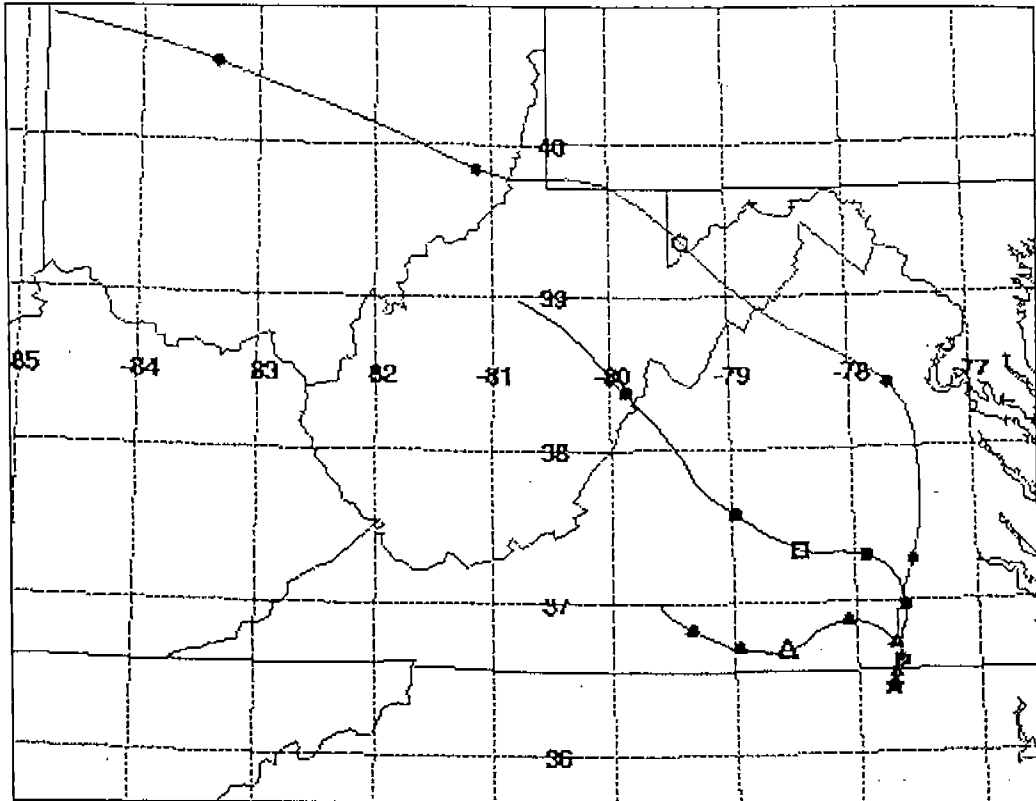


NOAA Air Resources Laboratory

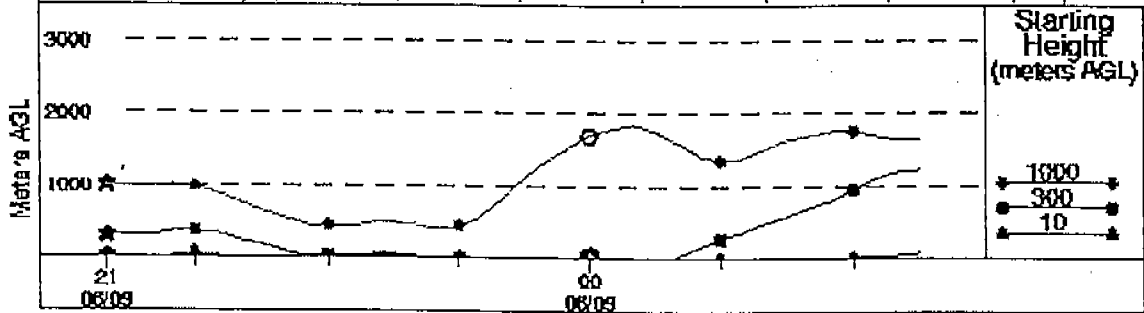
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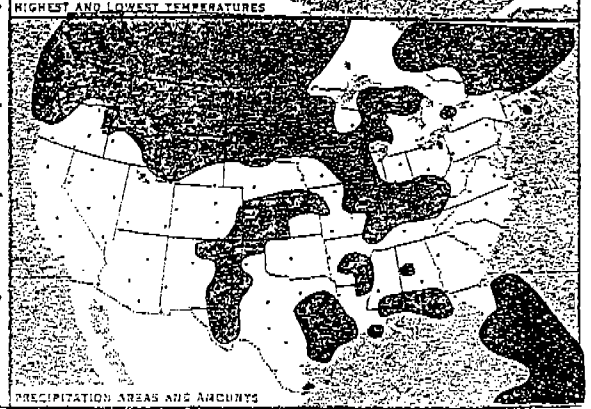
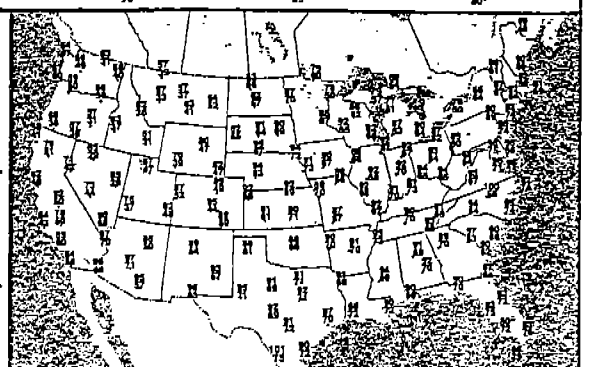
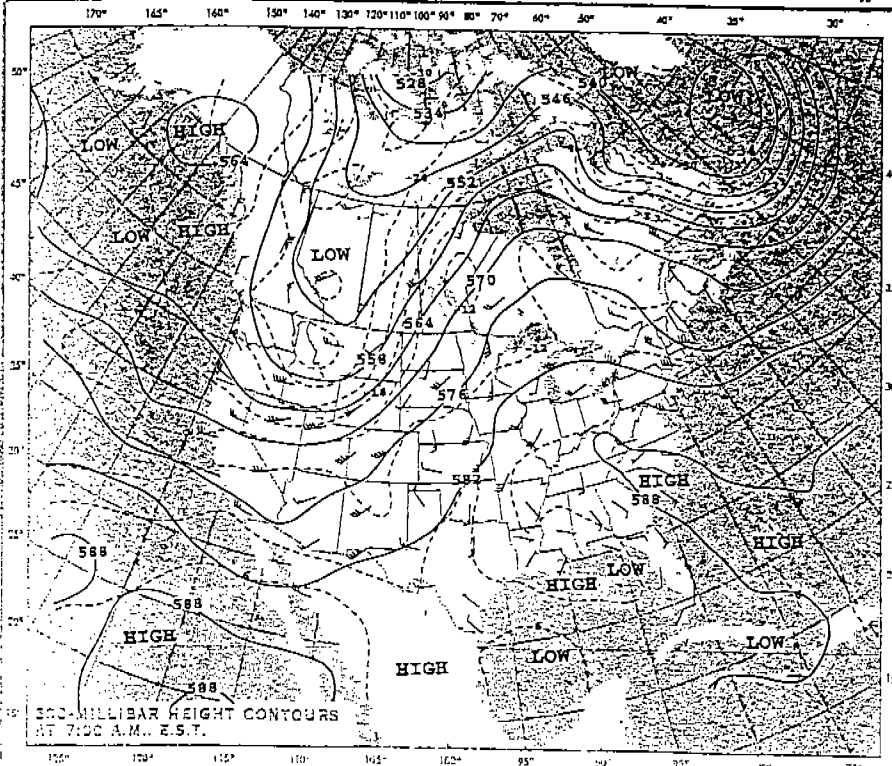
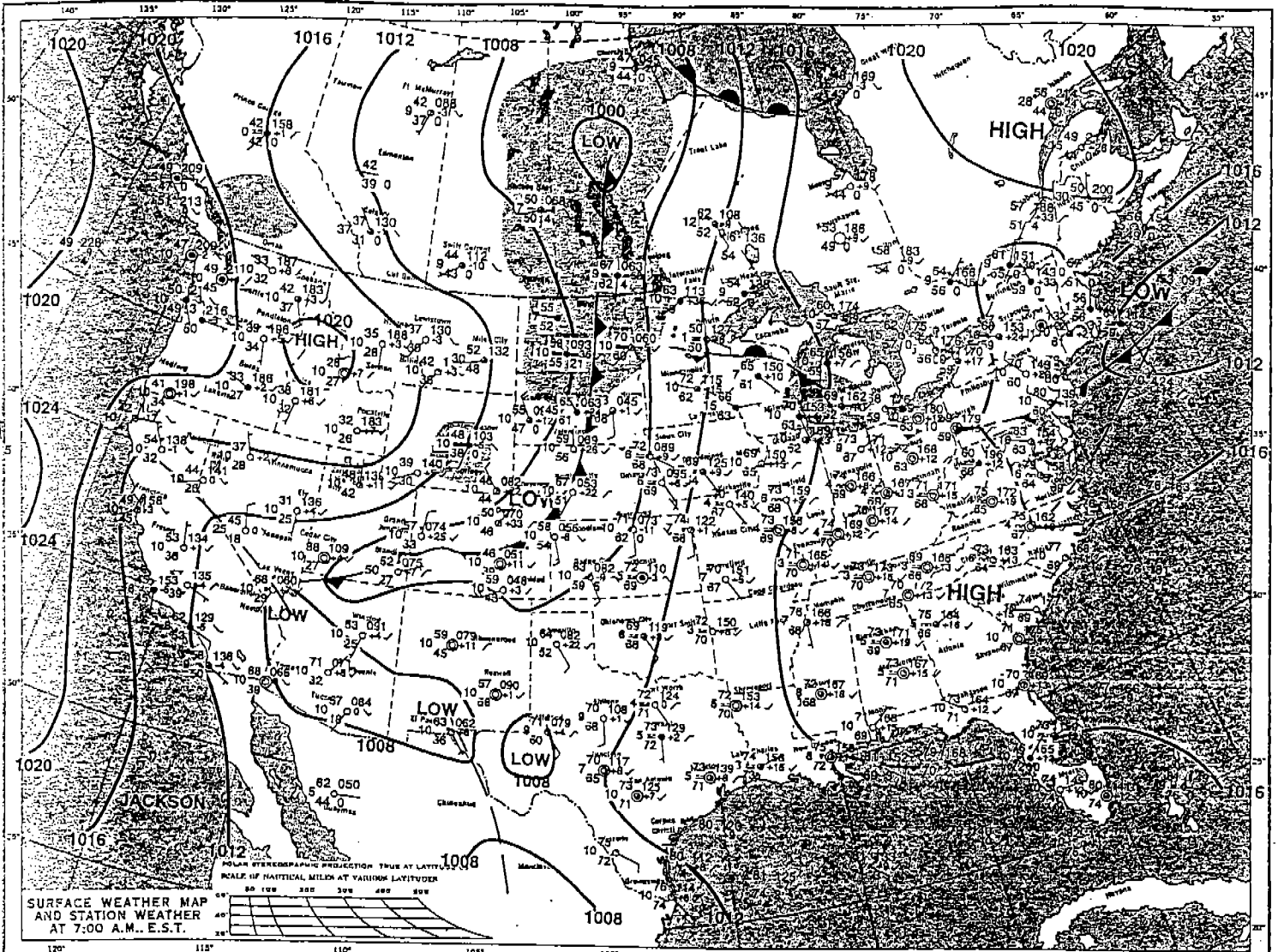
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending - 21 UTC 09 JUN 99

Source Location * at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





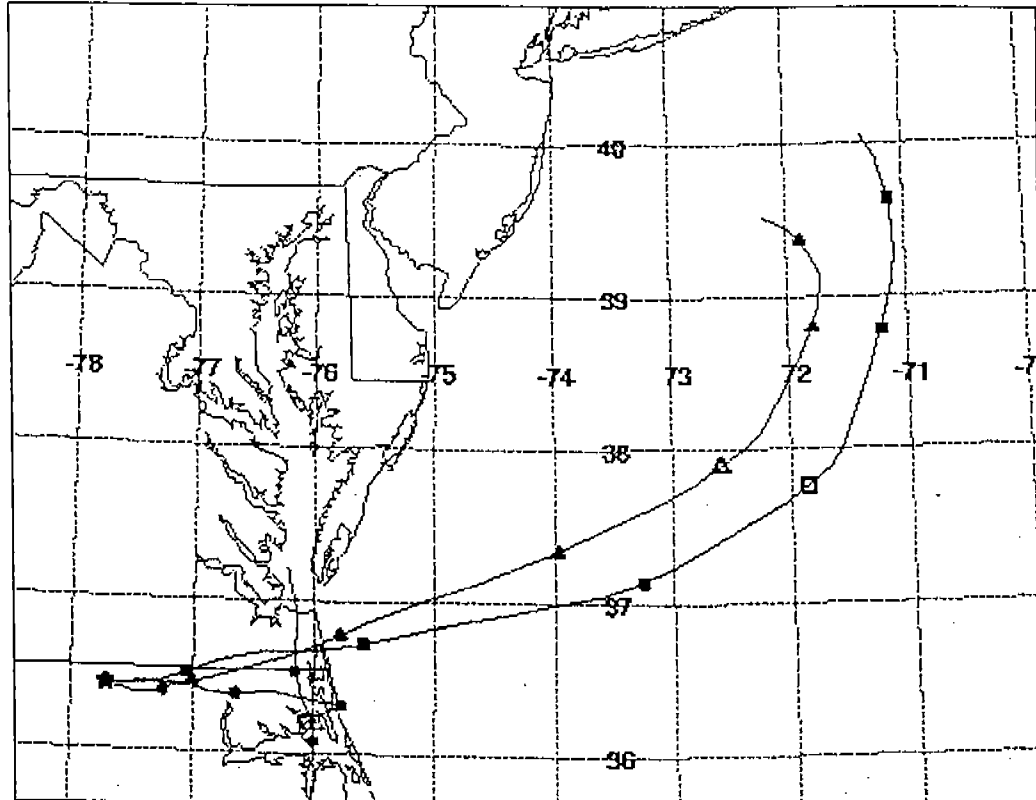


NOAA Air Resources Laboratory

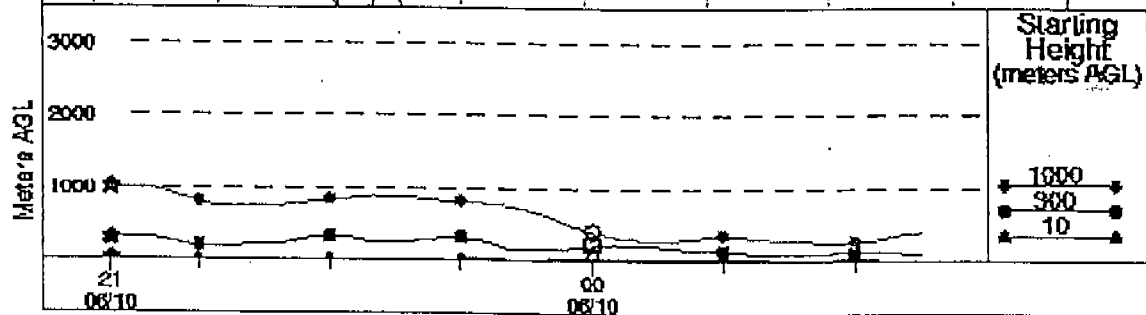
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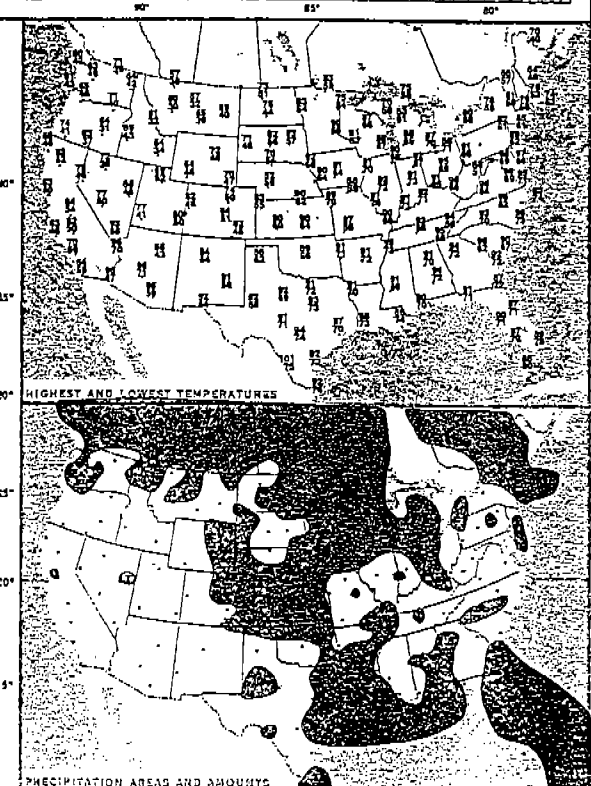
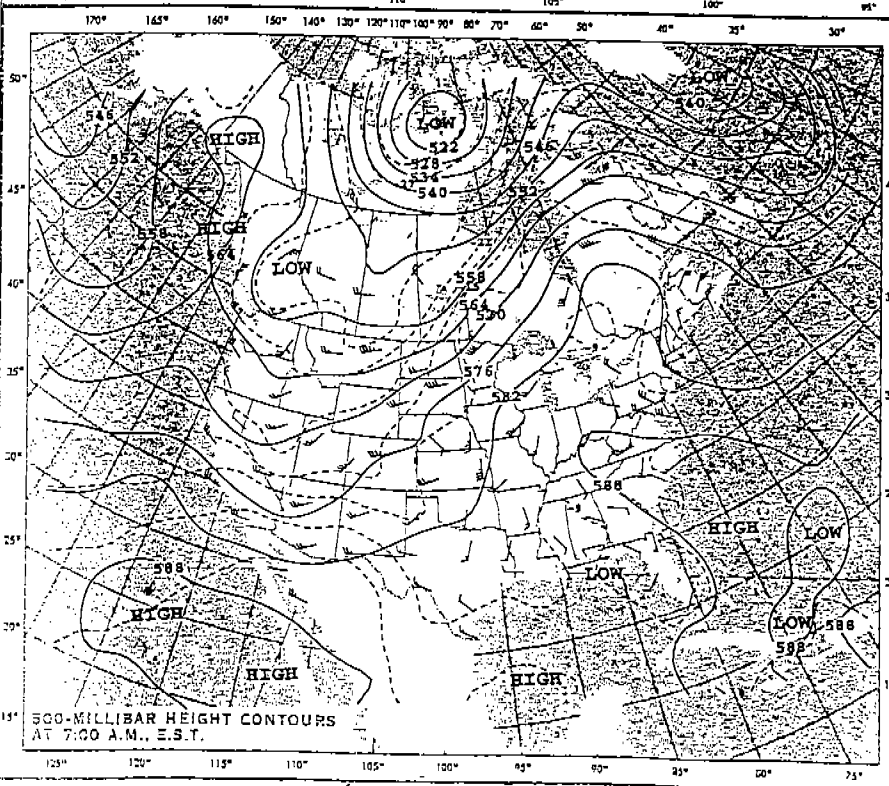
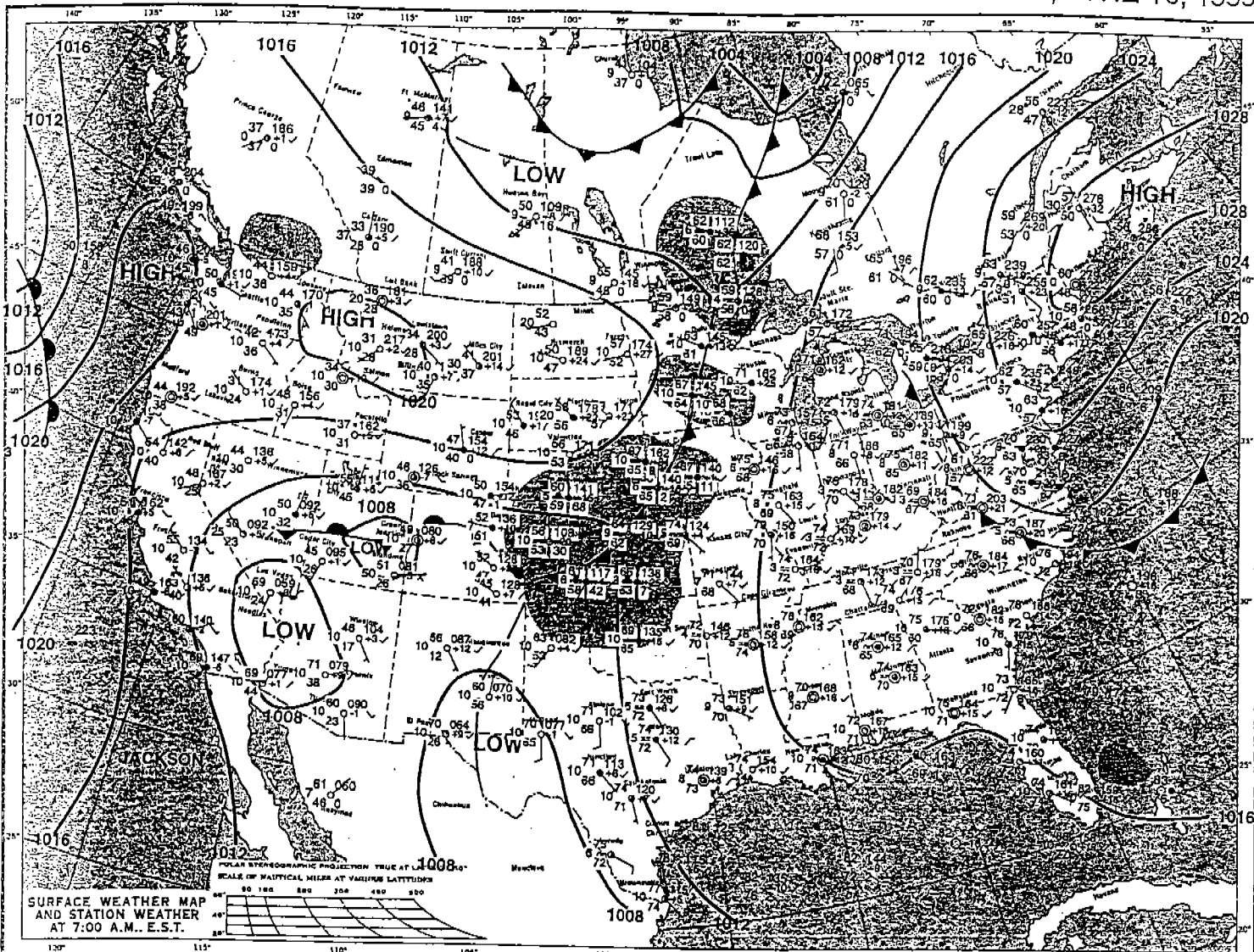
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 10 JUN 99

Source Location ★ at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





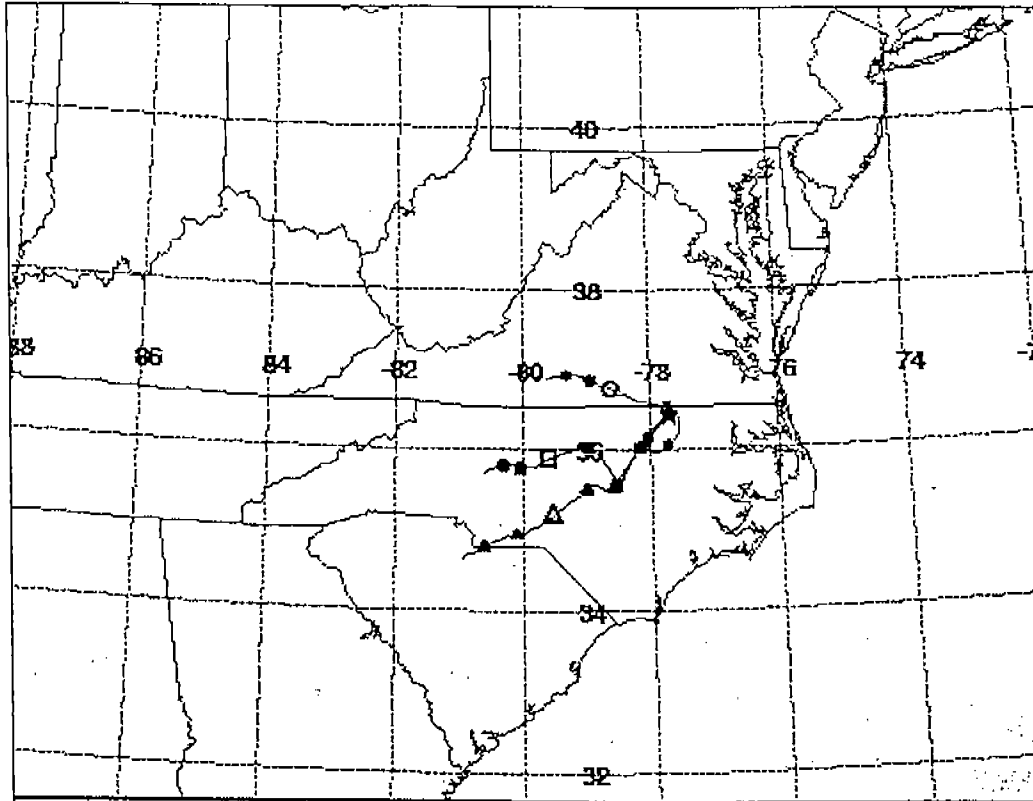


NOAA Air Resources Laboratory

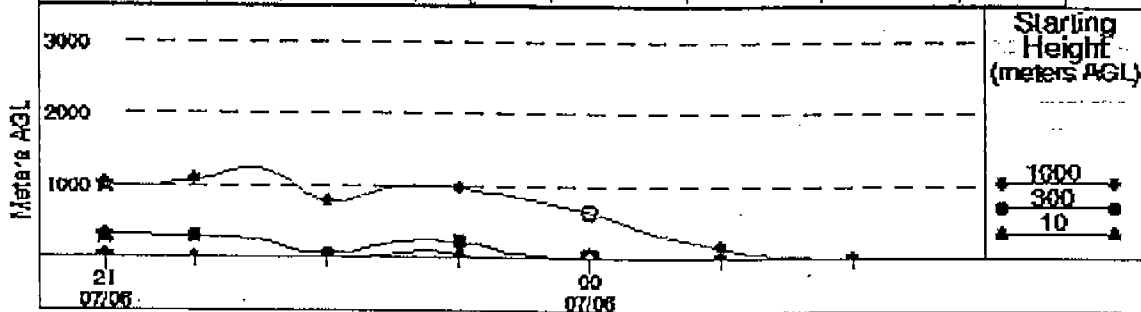
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 06 JUL 99

Source Location * at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA

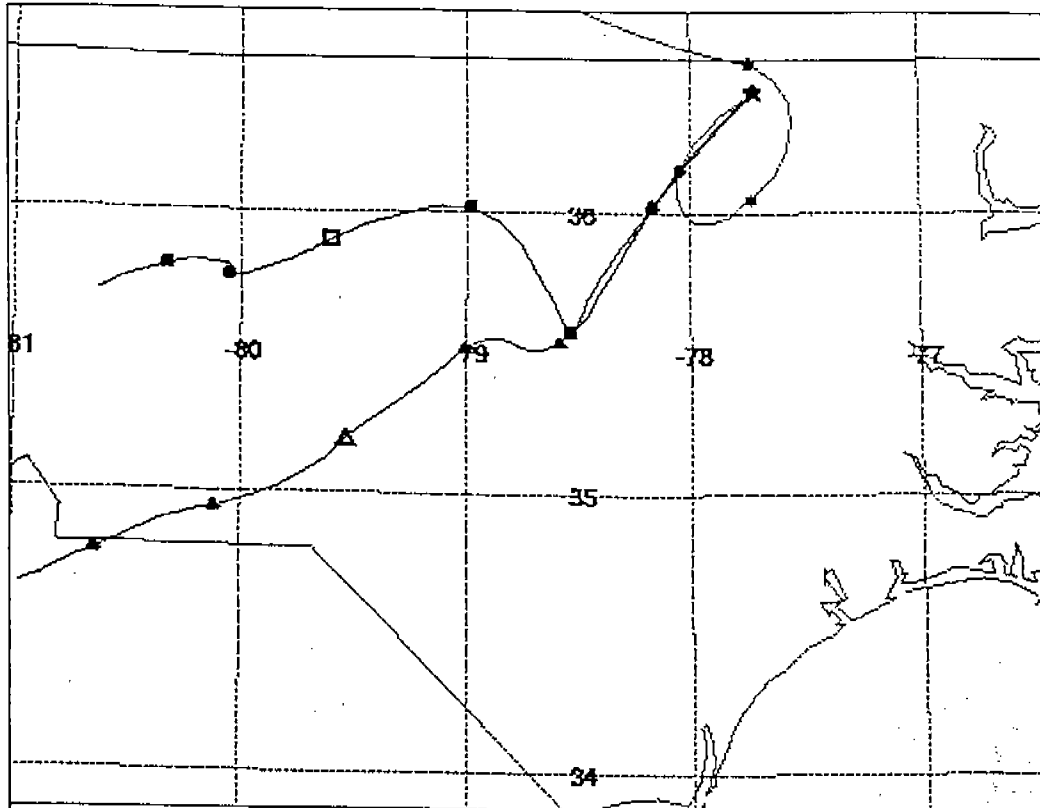




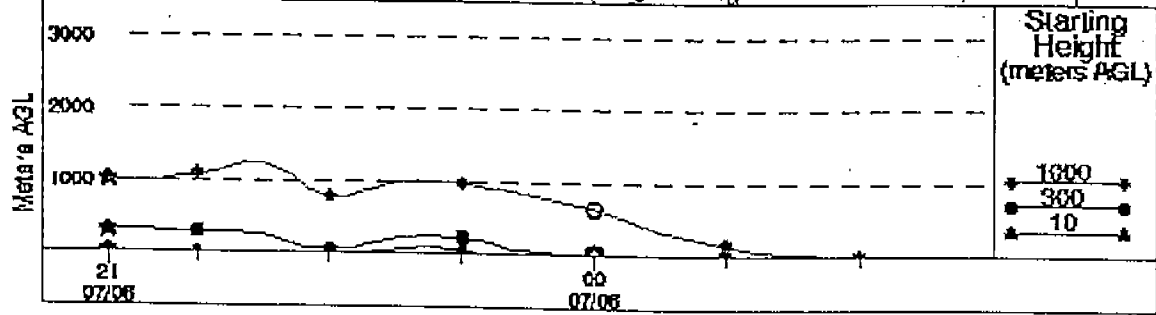
NOAA AIR RESOURCES LABORATORY

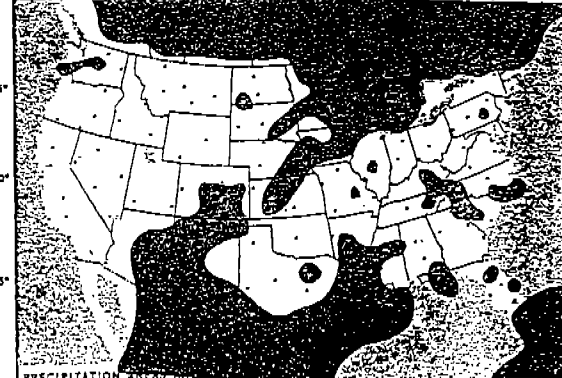
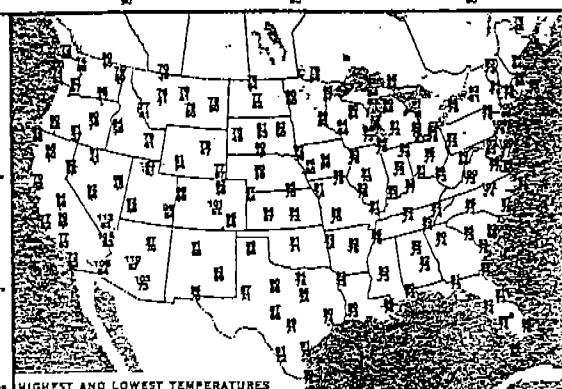
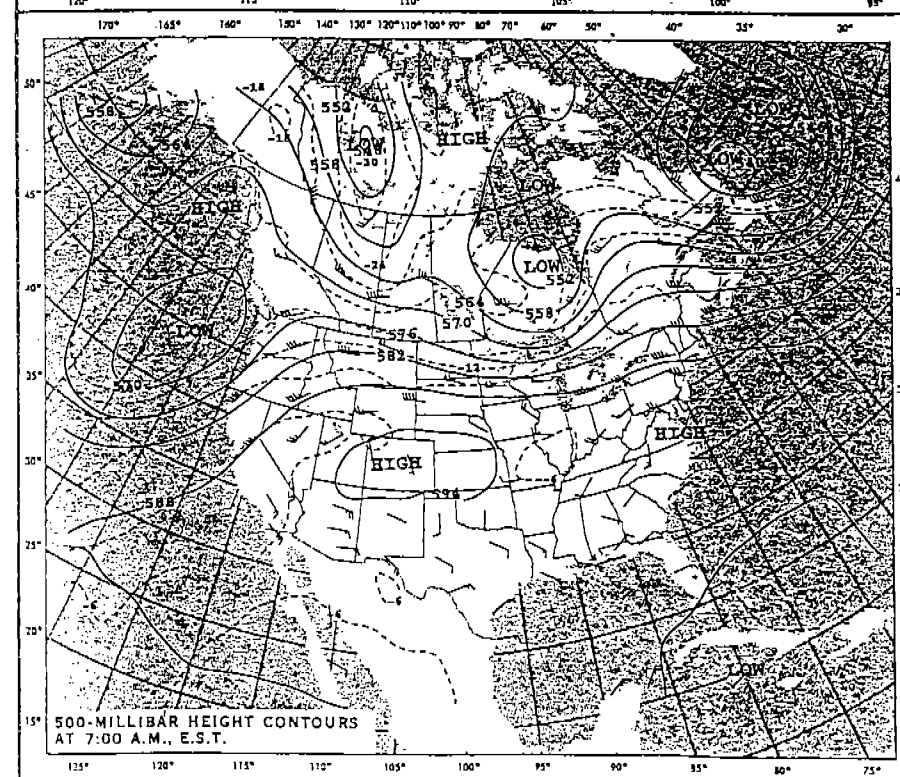
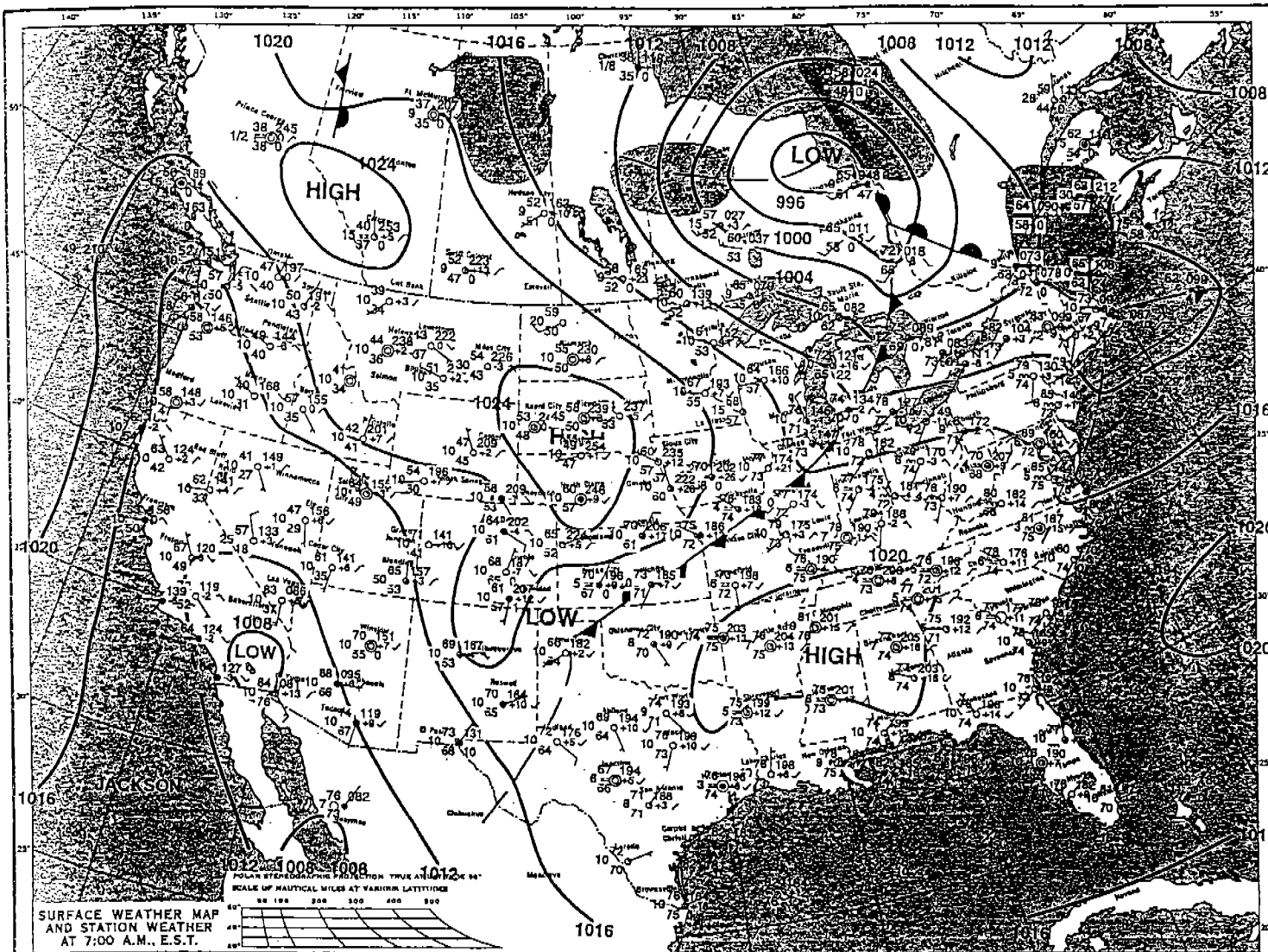
Backward Trajectories Ending- 21 UTC 06 JUL 99

Source Location ★ at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





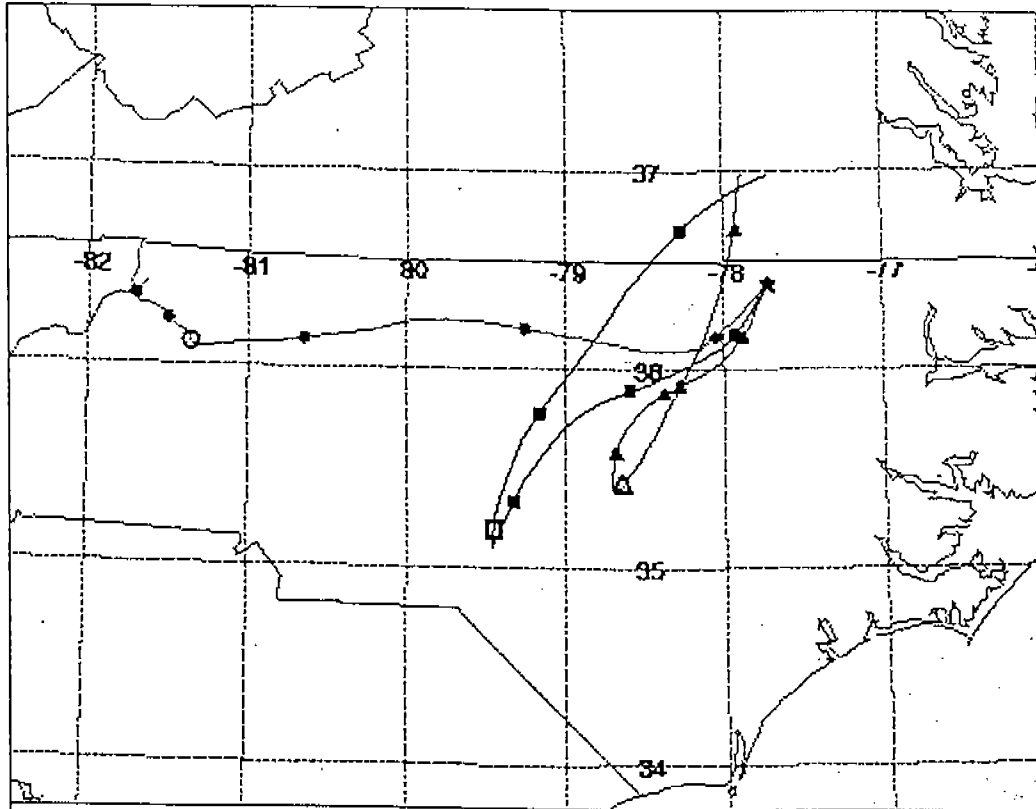


NOAA Air Resources Laboratory

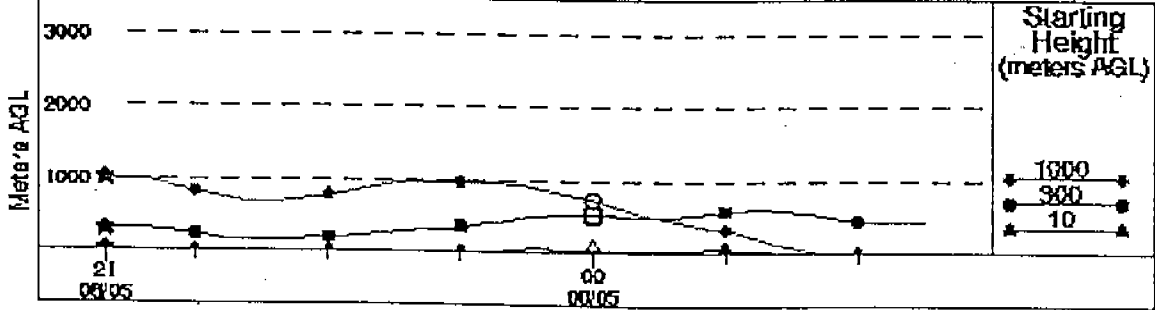
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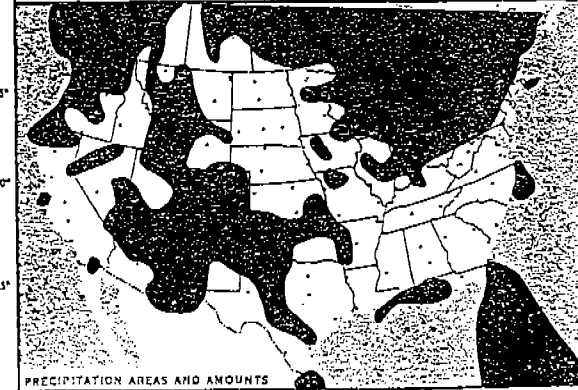
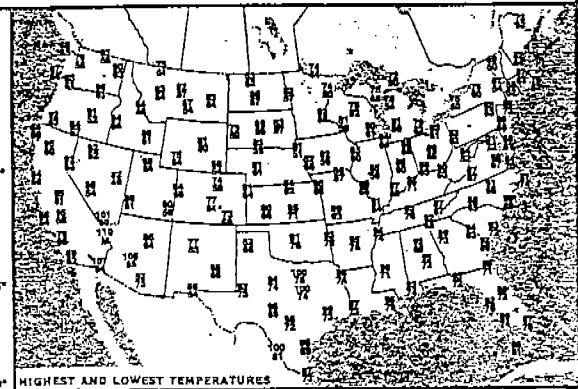
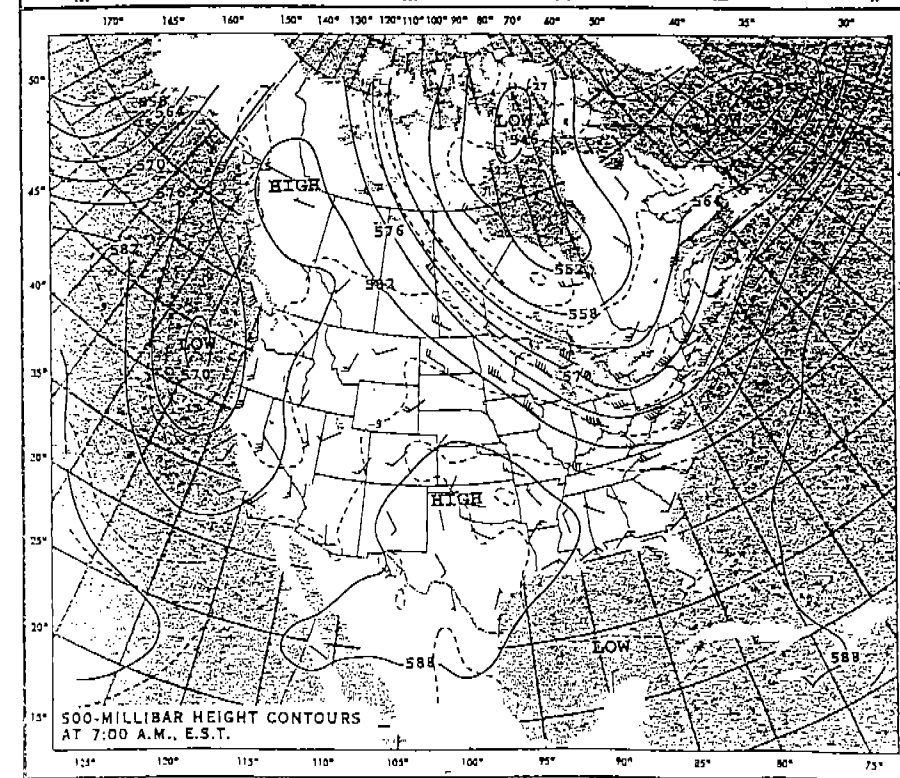
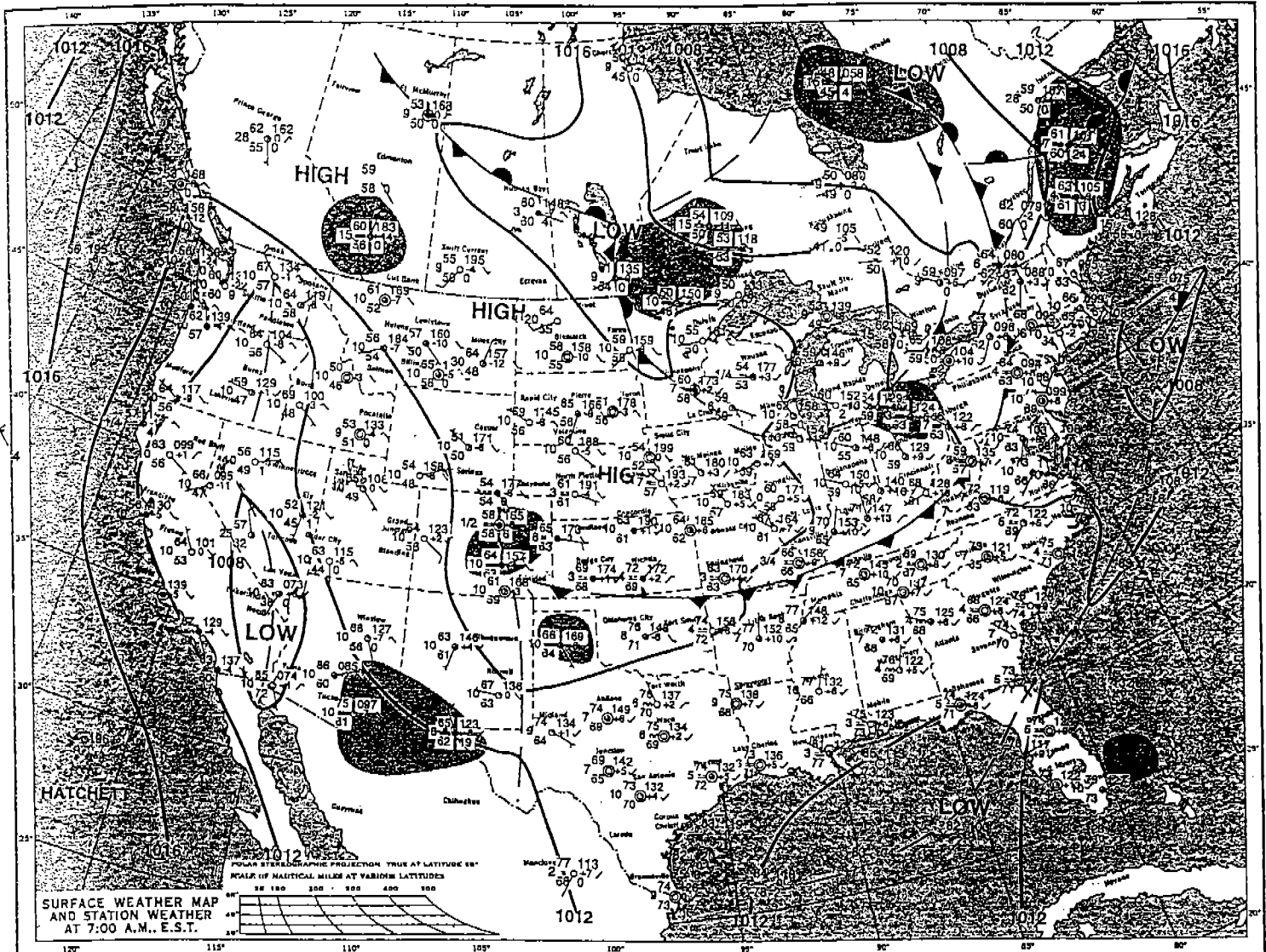
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 05 AUG 99

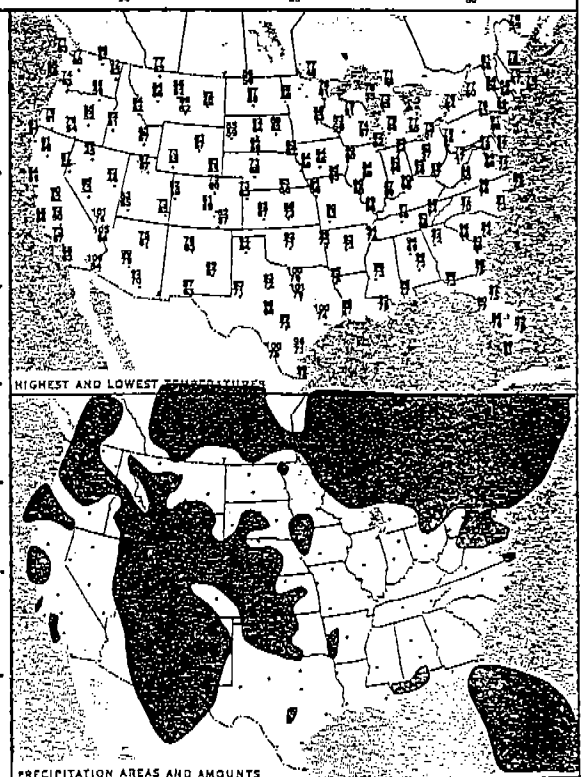
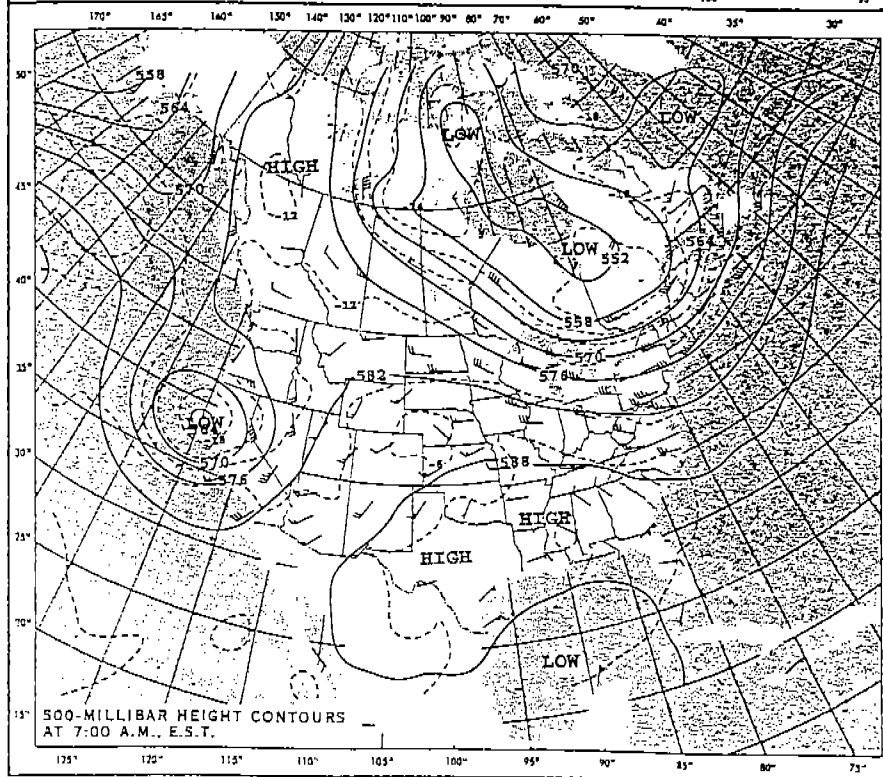
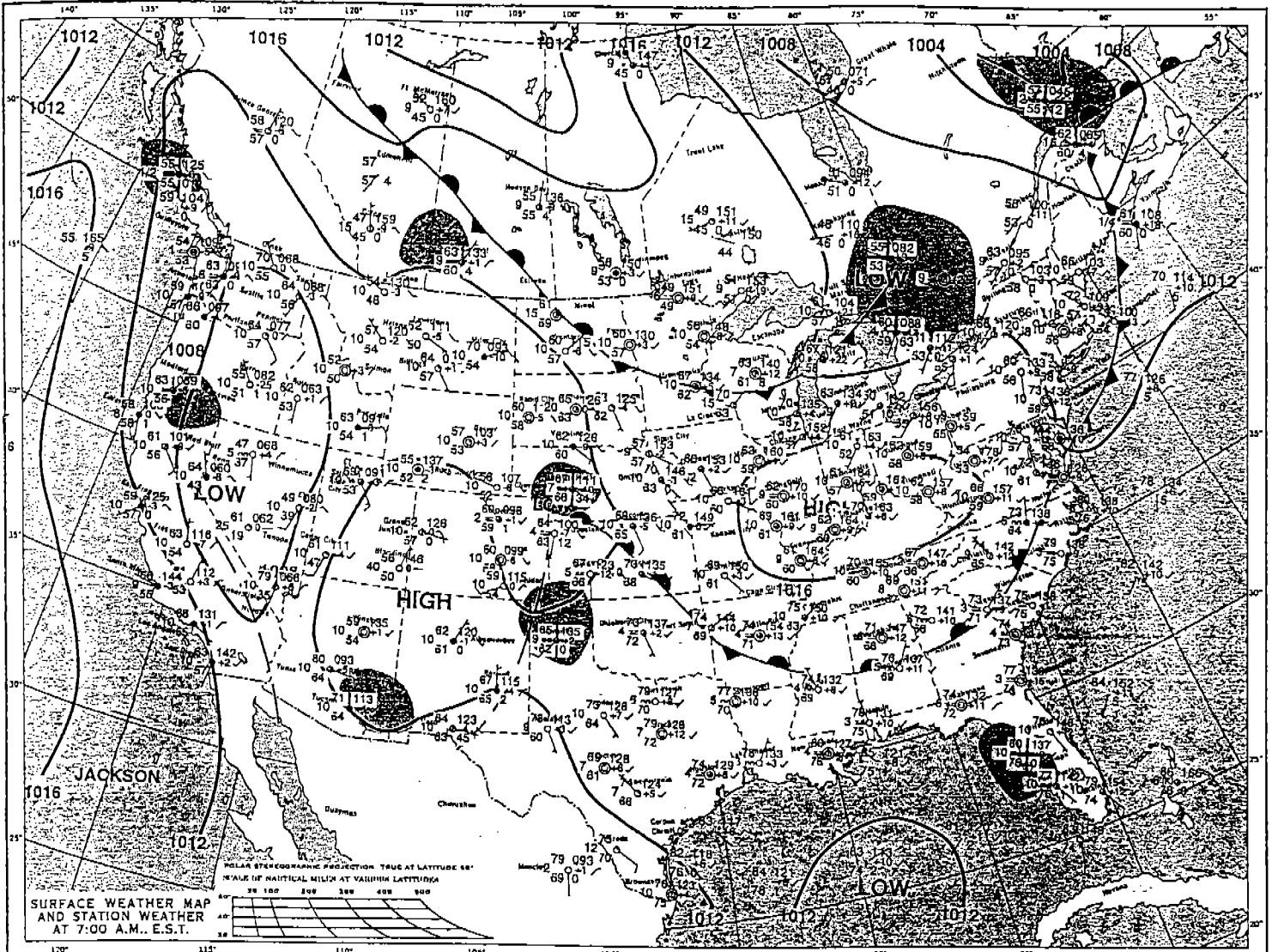
Source Location ★ at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA







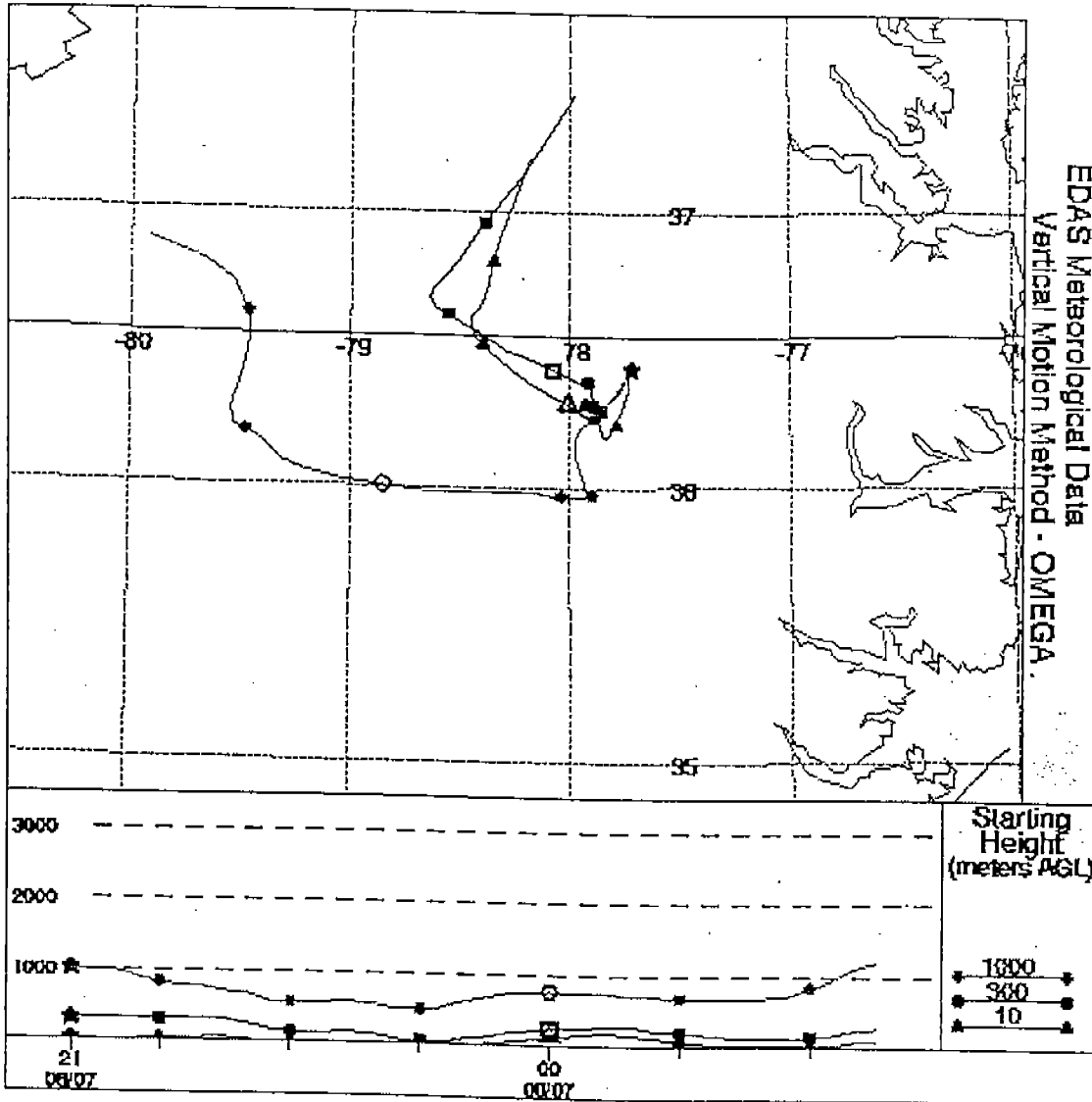


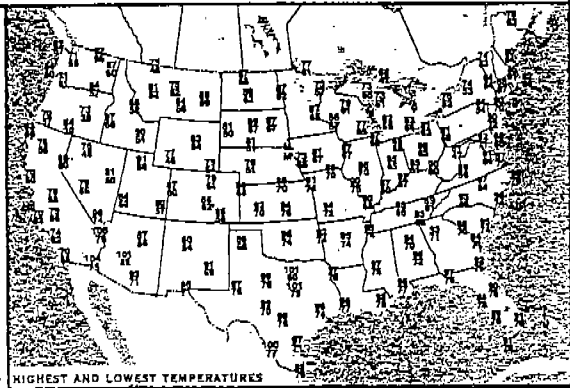
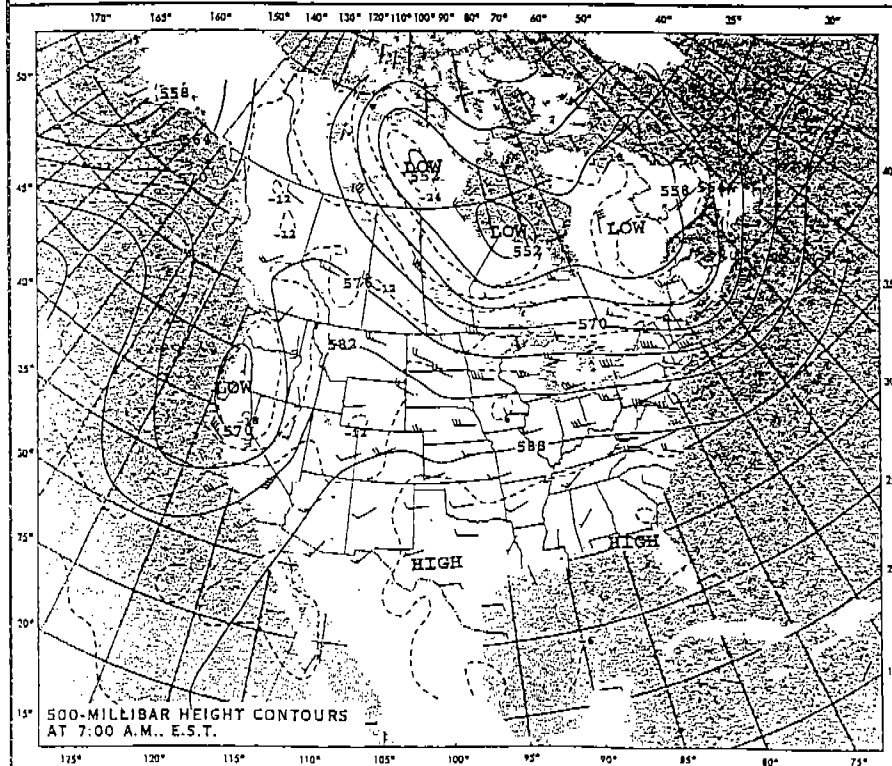
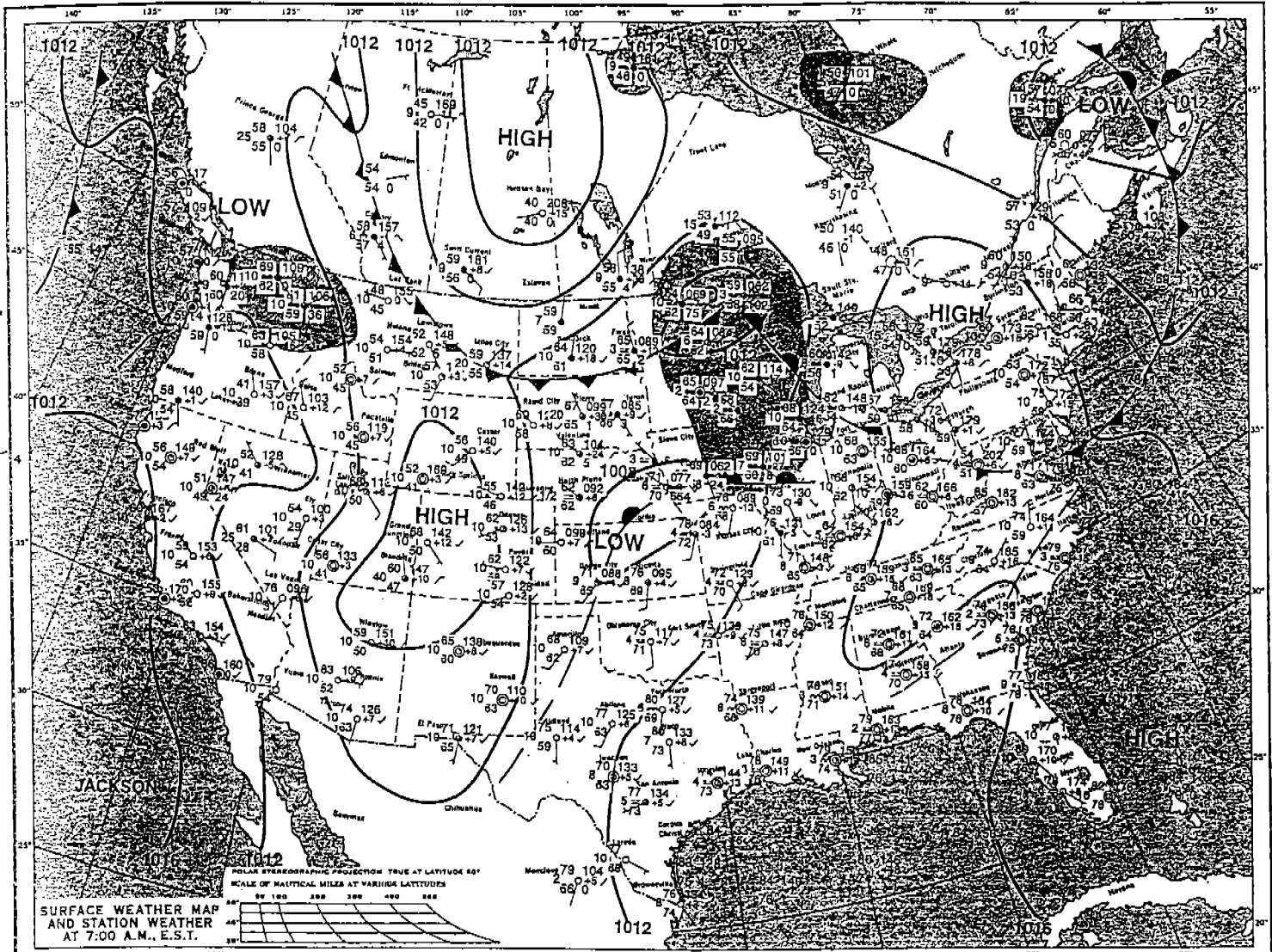
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending 21 UTC 07 AUG 99

Source Location ★ at 36.43 N 77.72 W





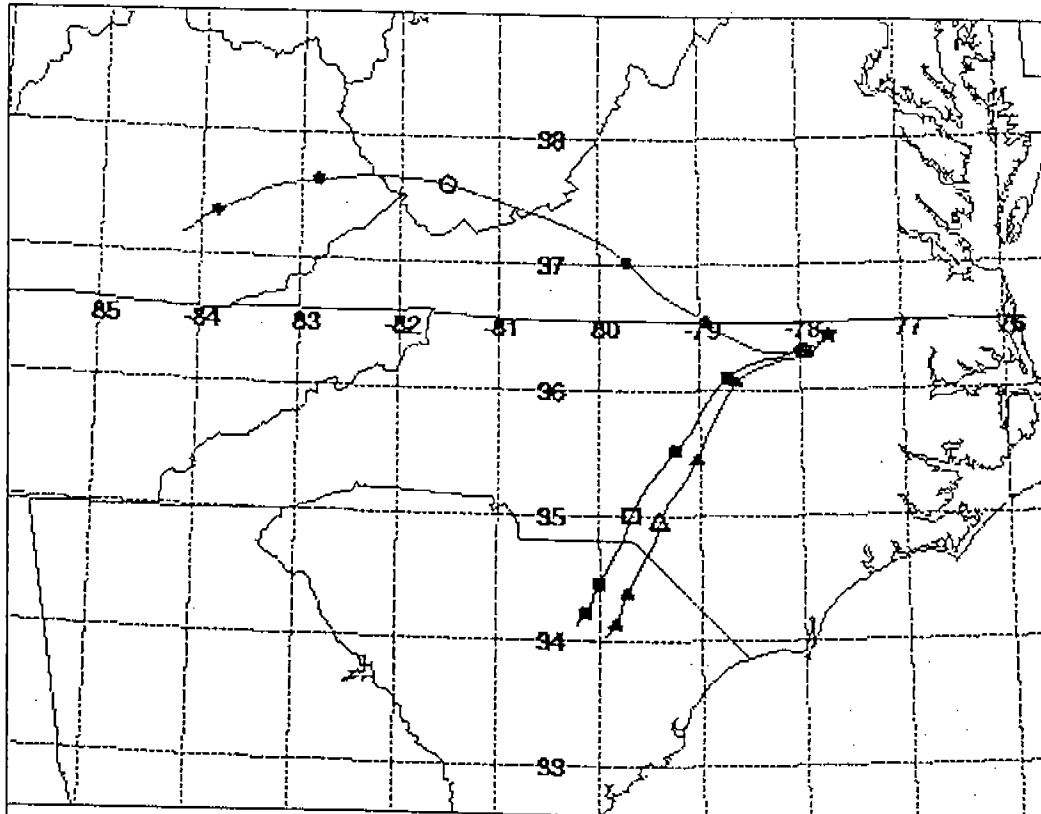


NOAA Air Resources Laboratory

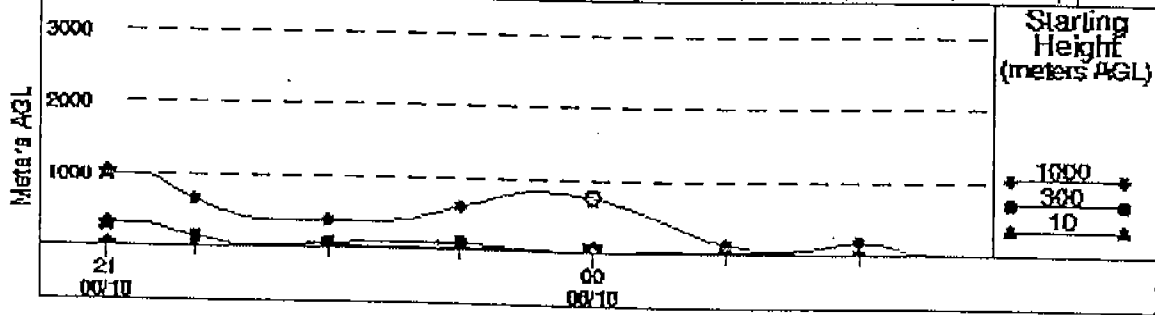
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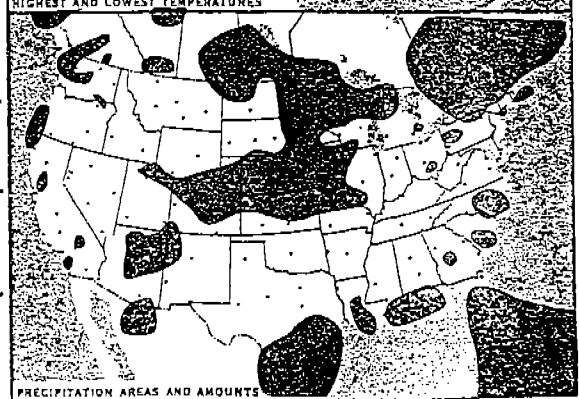
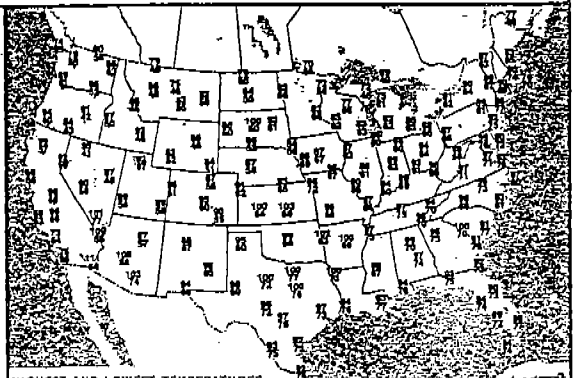
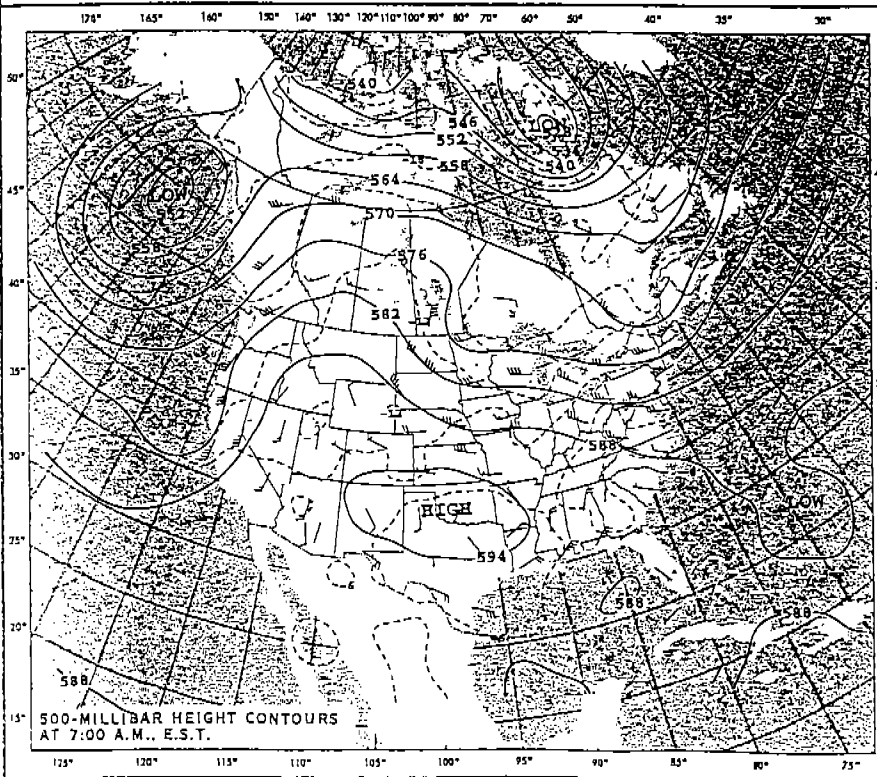
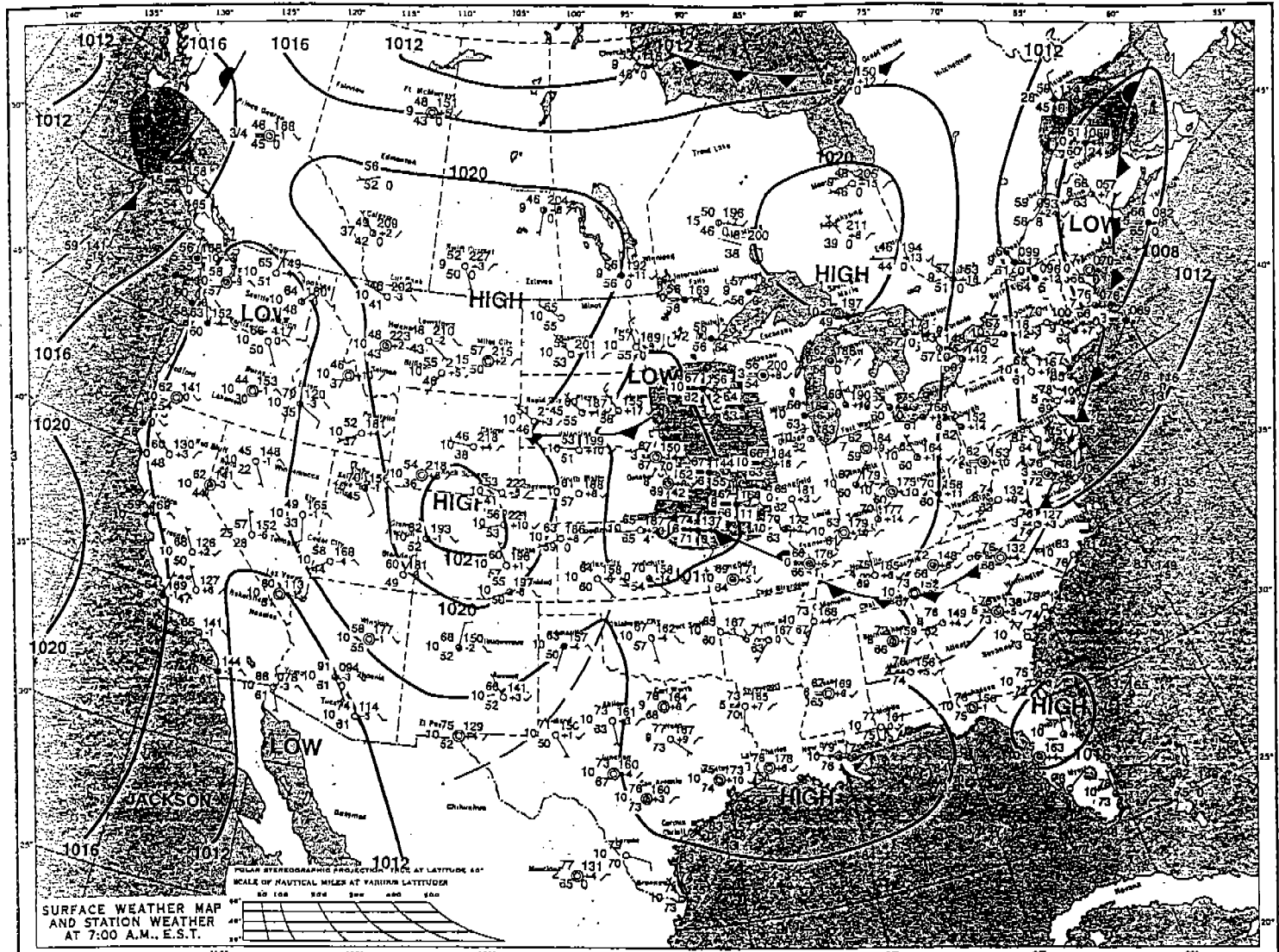
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 21 UTC 18 AUG 99

Source Location ★ at 36.43 N 77.72 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





Ozone Exceedence Day Back Trajectories

Monitor Site: Kenansville
Monitor ID: 370610002
Latitude: 34.95N
Longitude: -77.96W

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:

1

1997 Ozone Exceedence Dates:

May –

June –

July – 13

August –

September –

Total 1998 8-Hour Ozone Exceedences:

12

1998 Ozone Exceedence Dates:

May – 19 & 20

June – 3, 18, 20, 22, 23, 26, & 27

July –

August – 22

September – 12 & 13

Total 1999 8-Hour Ozone Exceedences:

8

1999 Ozone Exceedence Dates:

May – 29

June – 9

July – 20, 30, & 31

August – 1, 5, & 18

September –

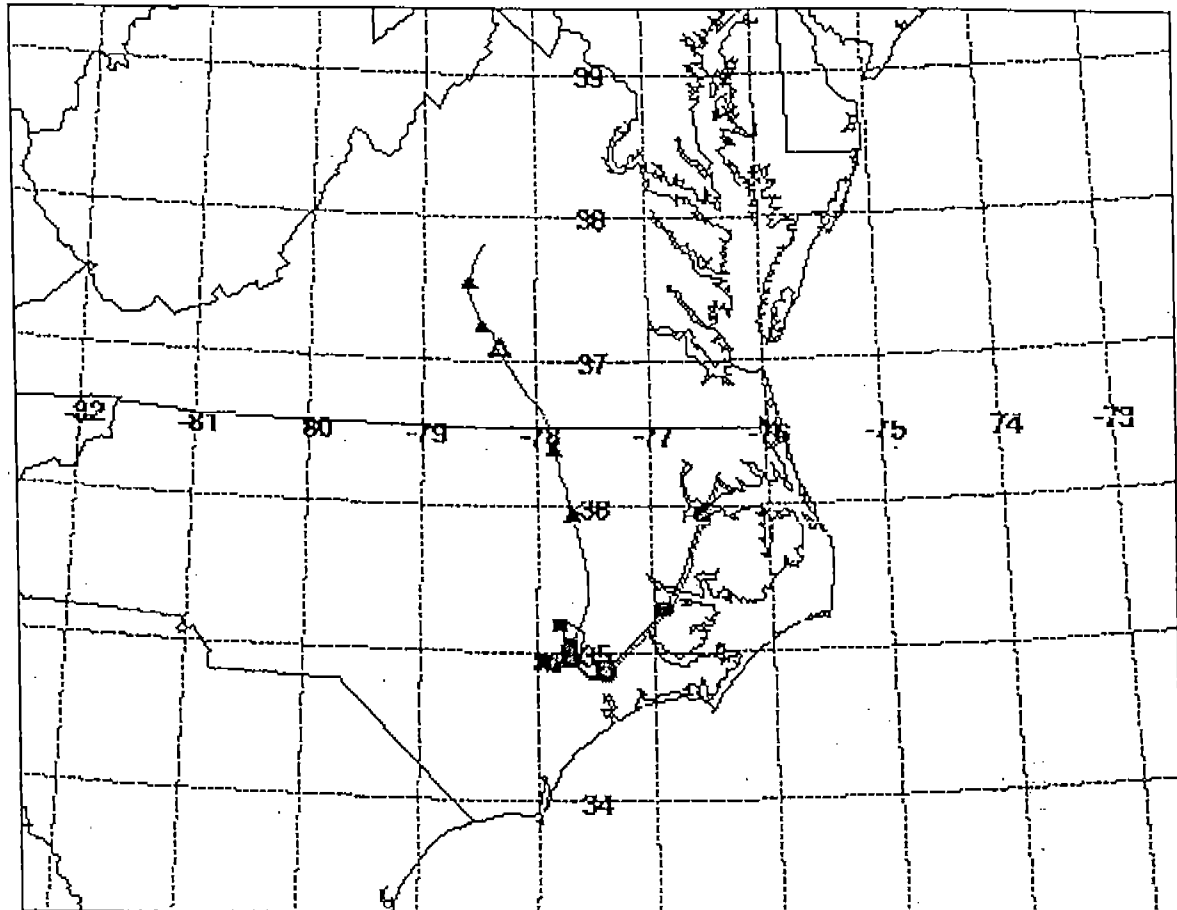


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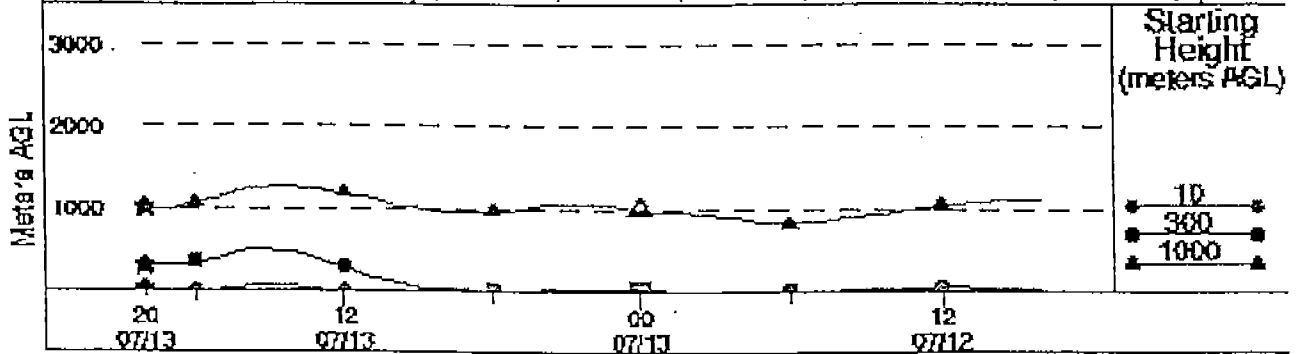
NOAA AIR RESOURCES LABORATORY

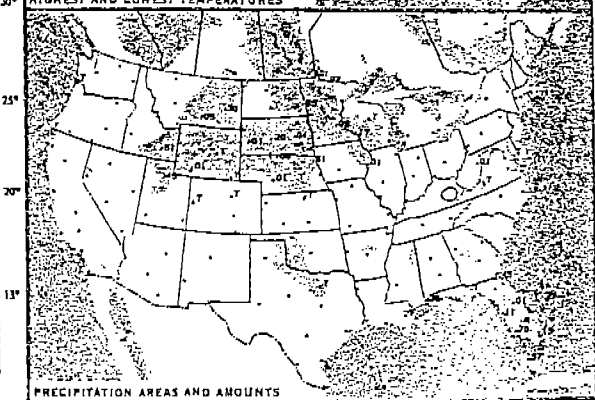
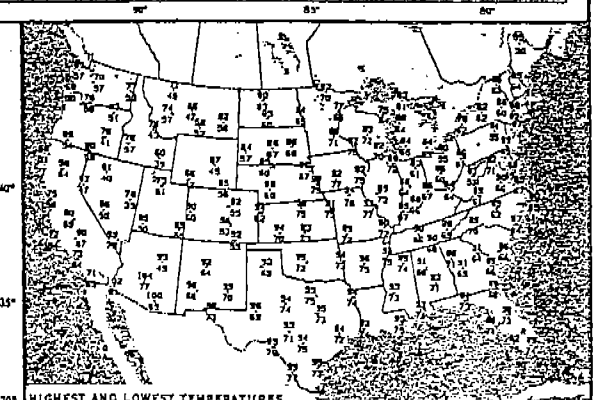
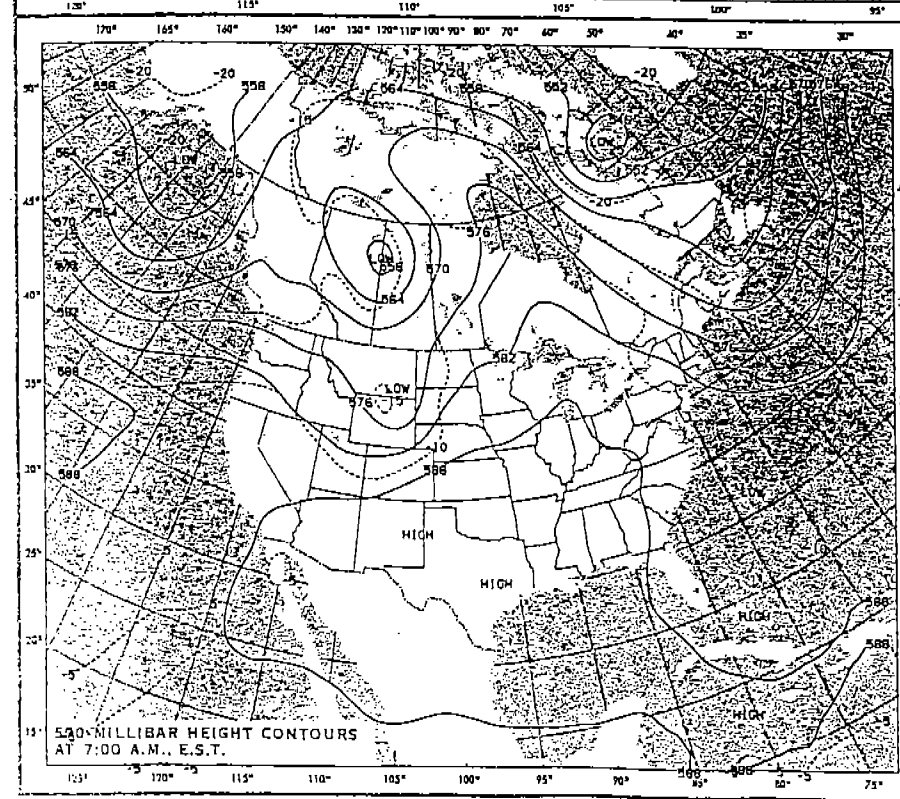
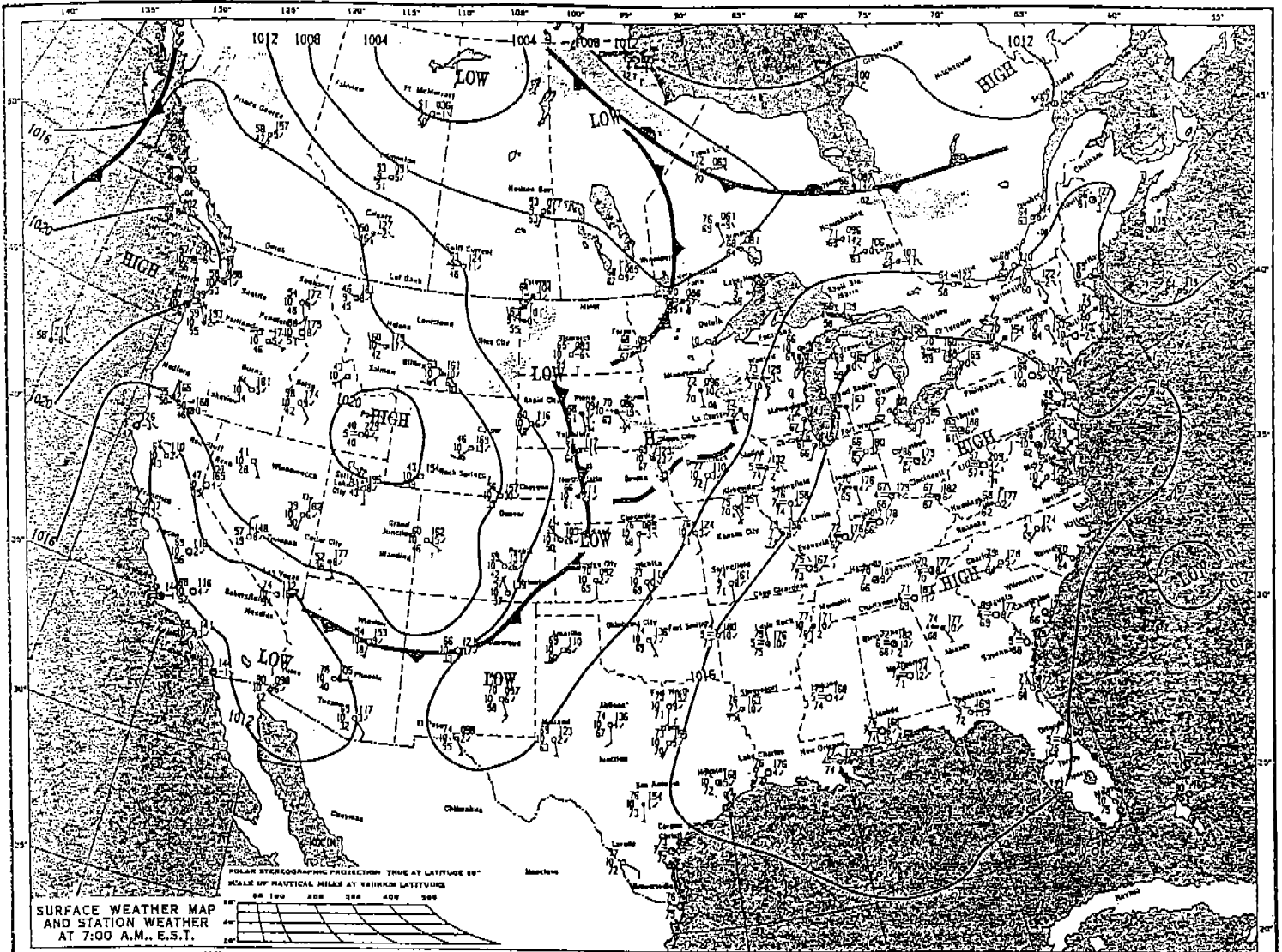
Backward Trajectories Ending- 20 UTC 13 JUL 97

Source Location * at 34.85 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





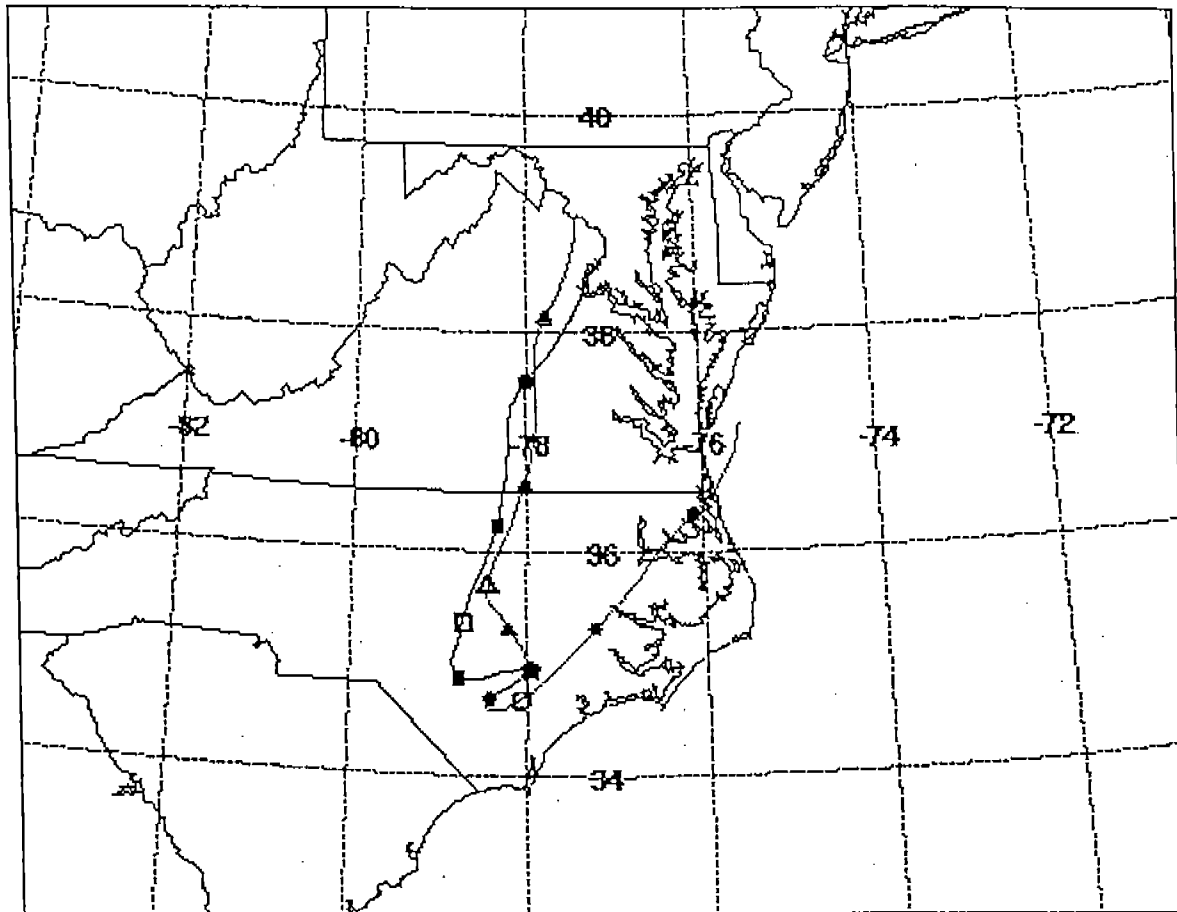


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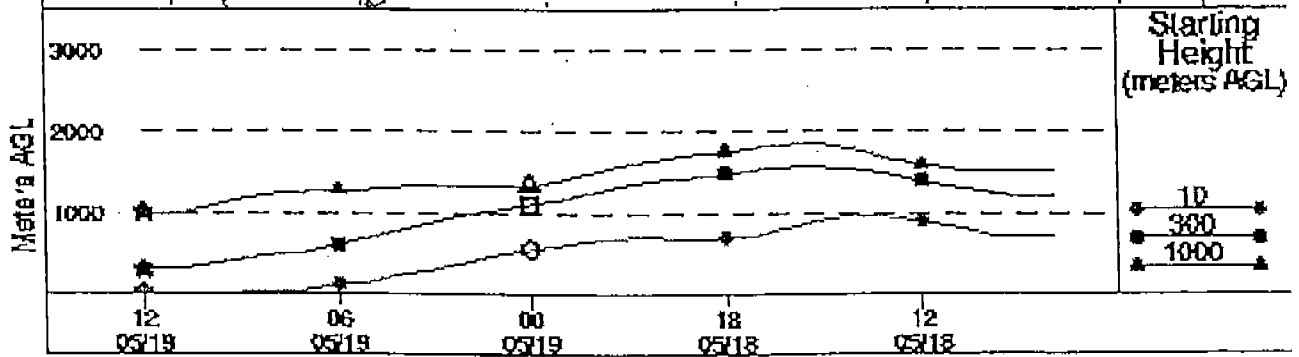
NOAA AIR RESOURCES LABORATORY

Backward Trajectories Ending 12 UTC 19 MAY 98

Source Location at 34.95 N 77.96 W

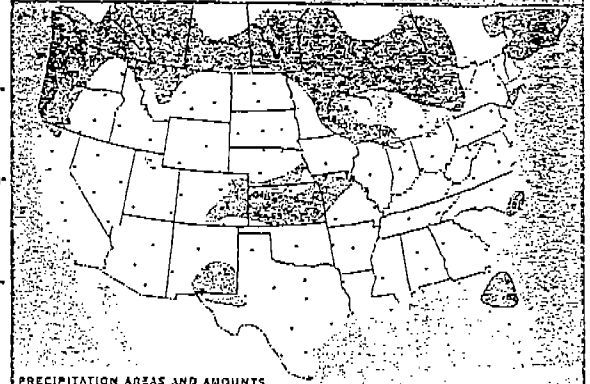
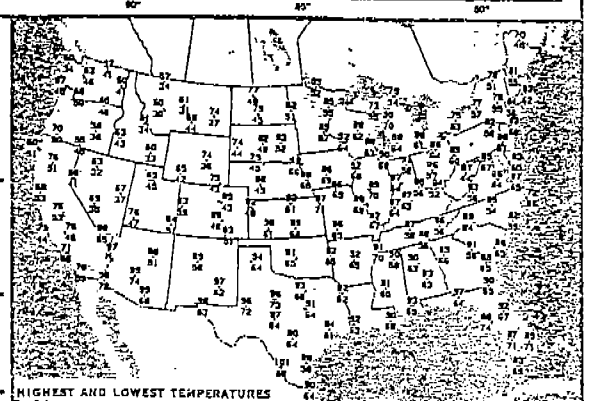
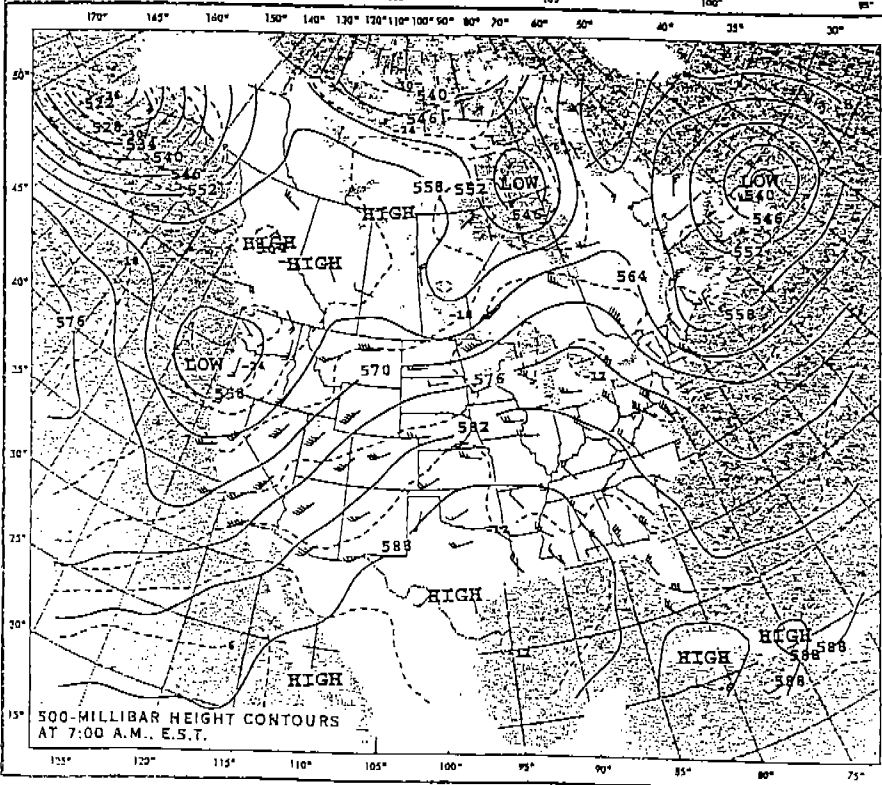
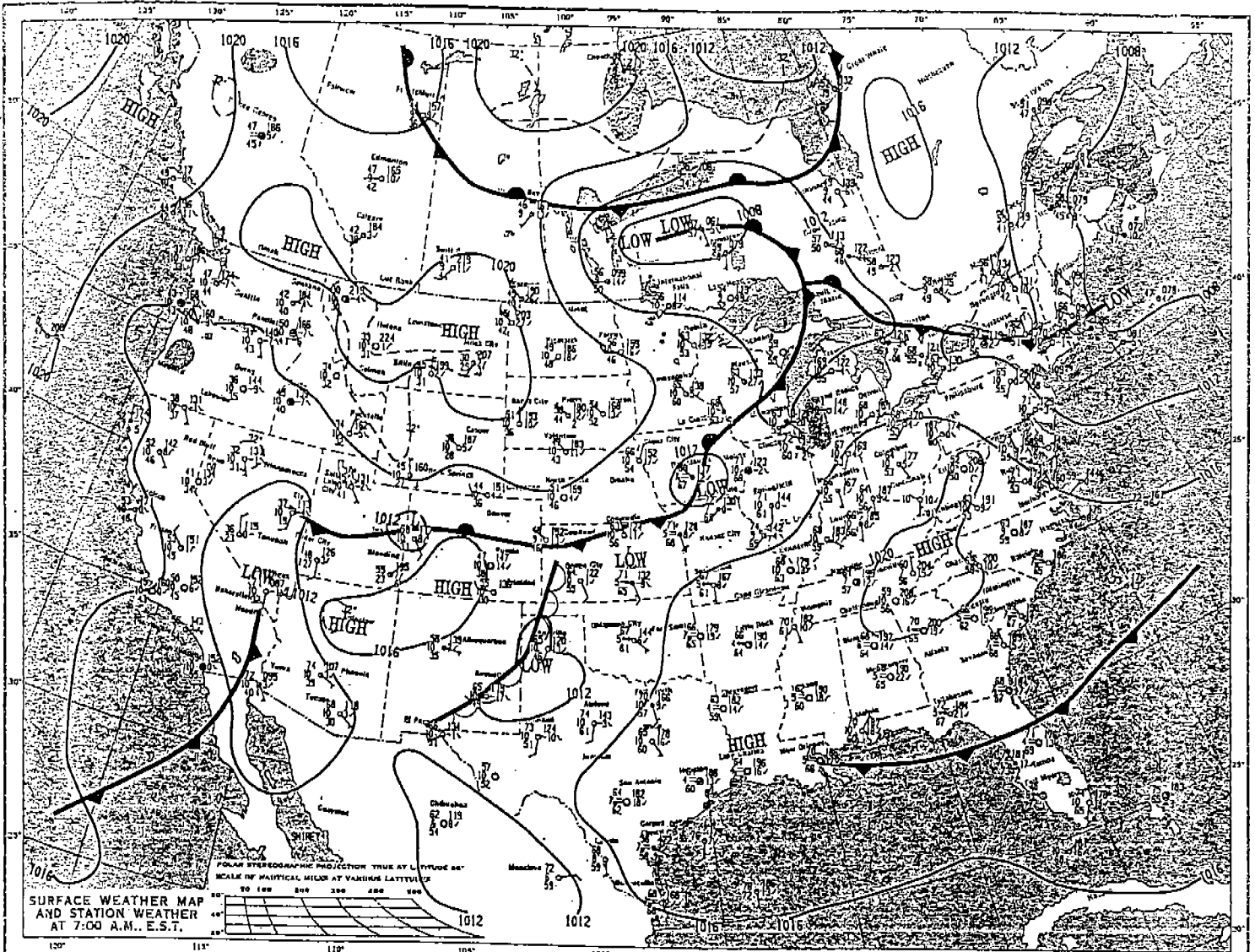


EDAS Meteorological Data
Vertical Motion Method - OMEGA



Starting Height (meters AGL)

- ▲ 10000
- 3000
- 1000



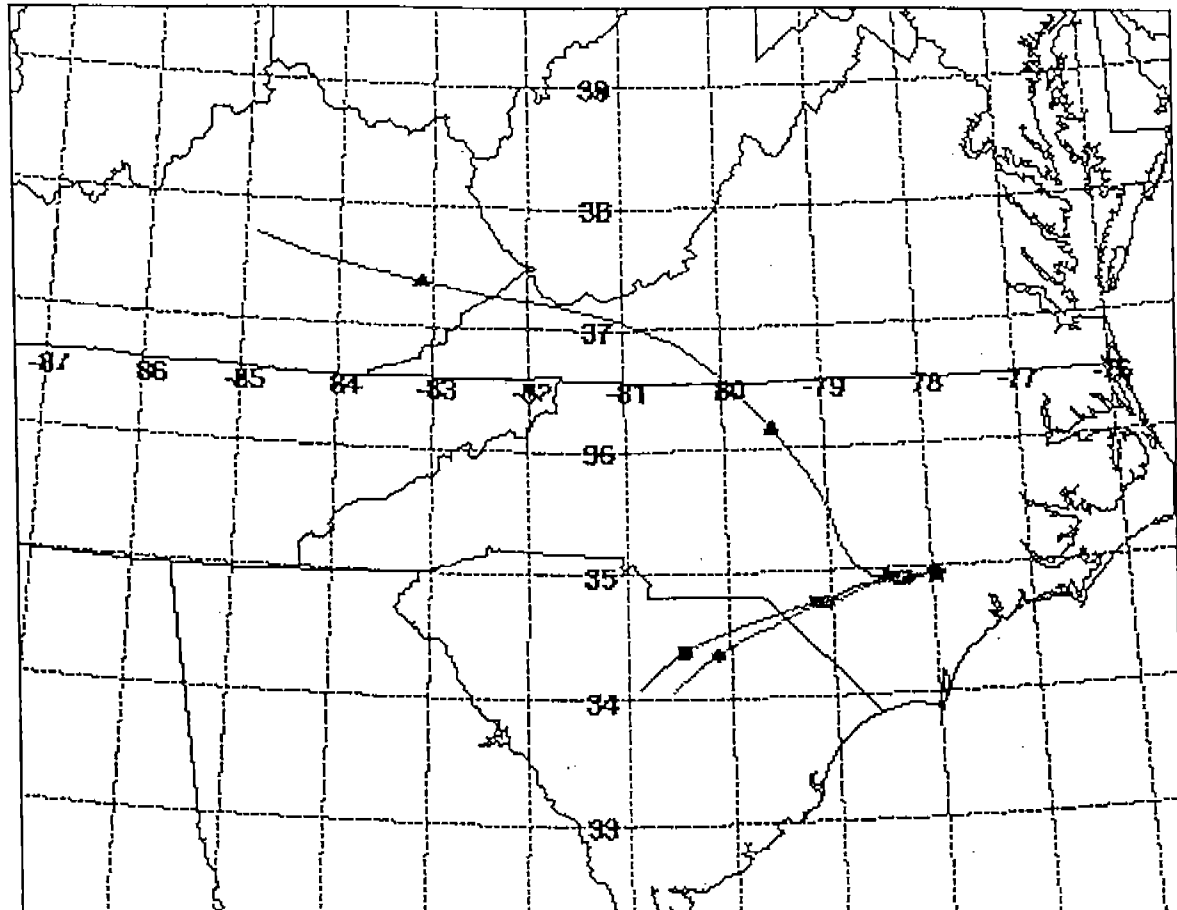


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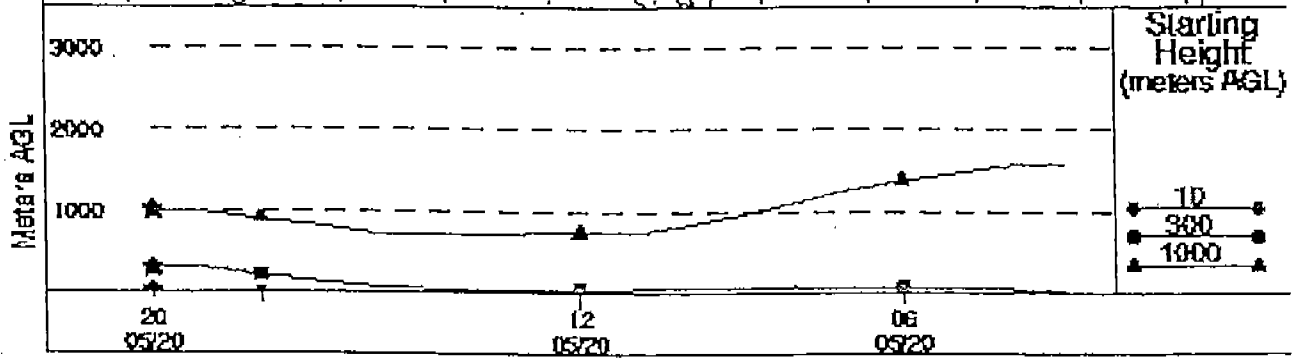
NOAA AIR RESOURCES LABORATORY

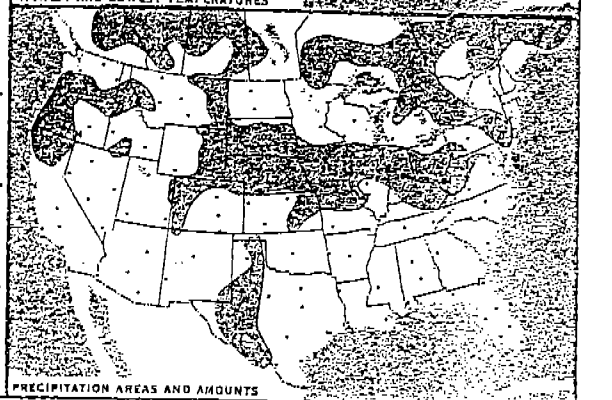
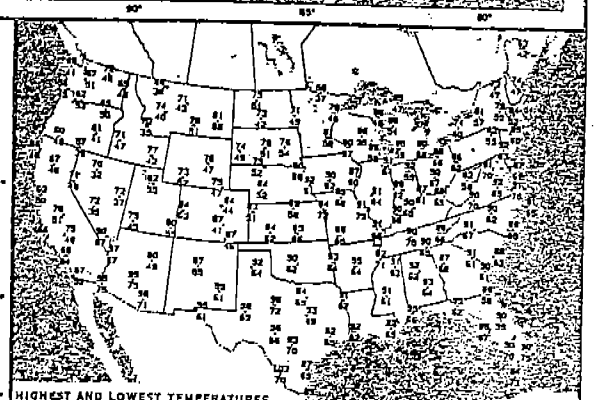
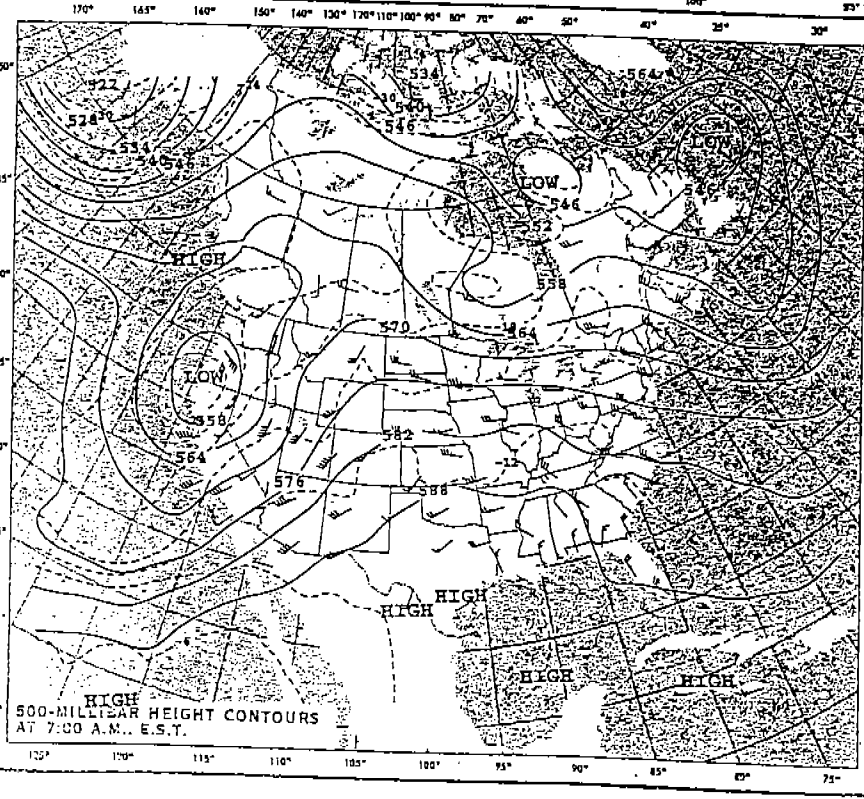
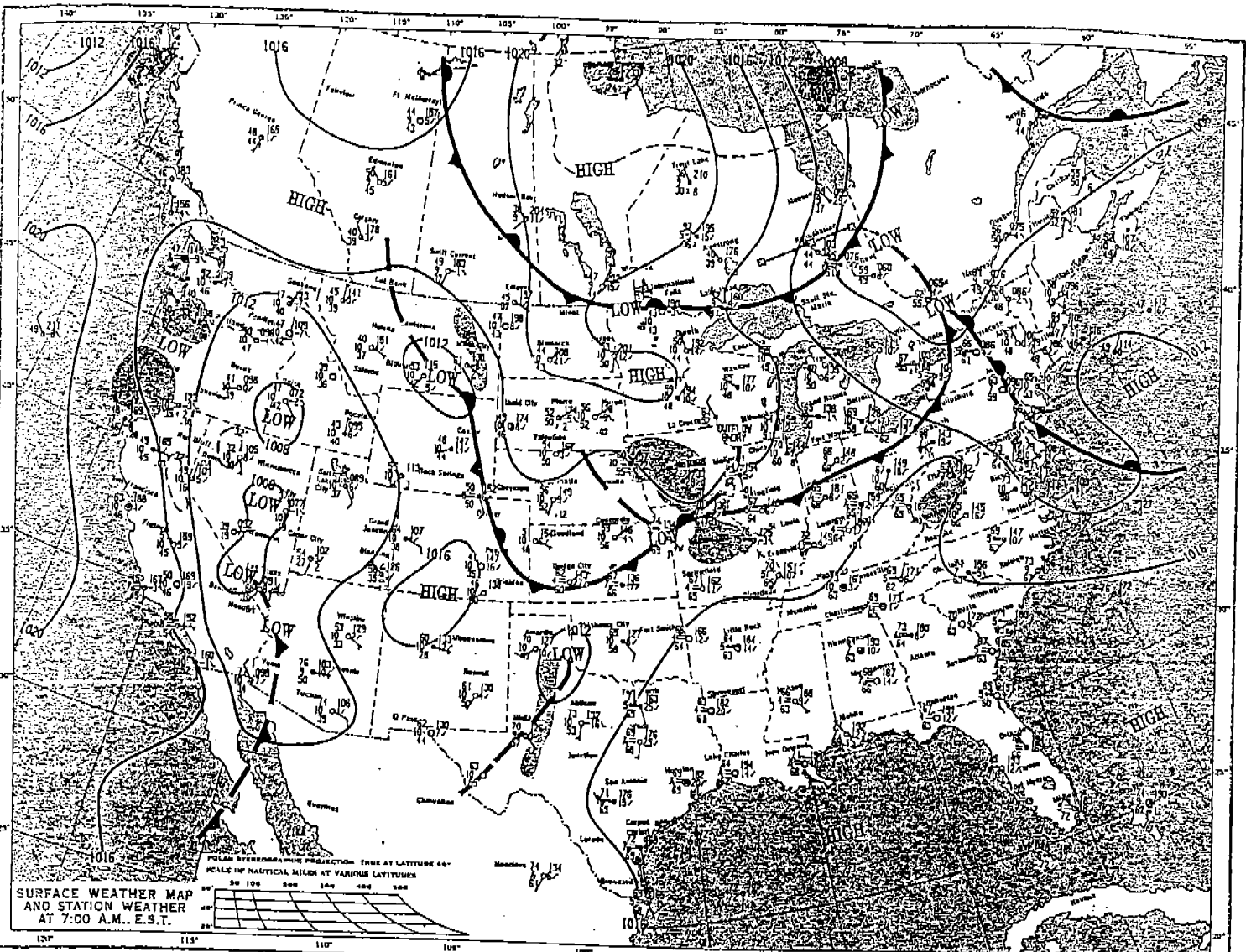
Backward Trajectories Ending 20 UTC 20 MAY 98

Source Location * at 34.95 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





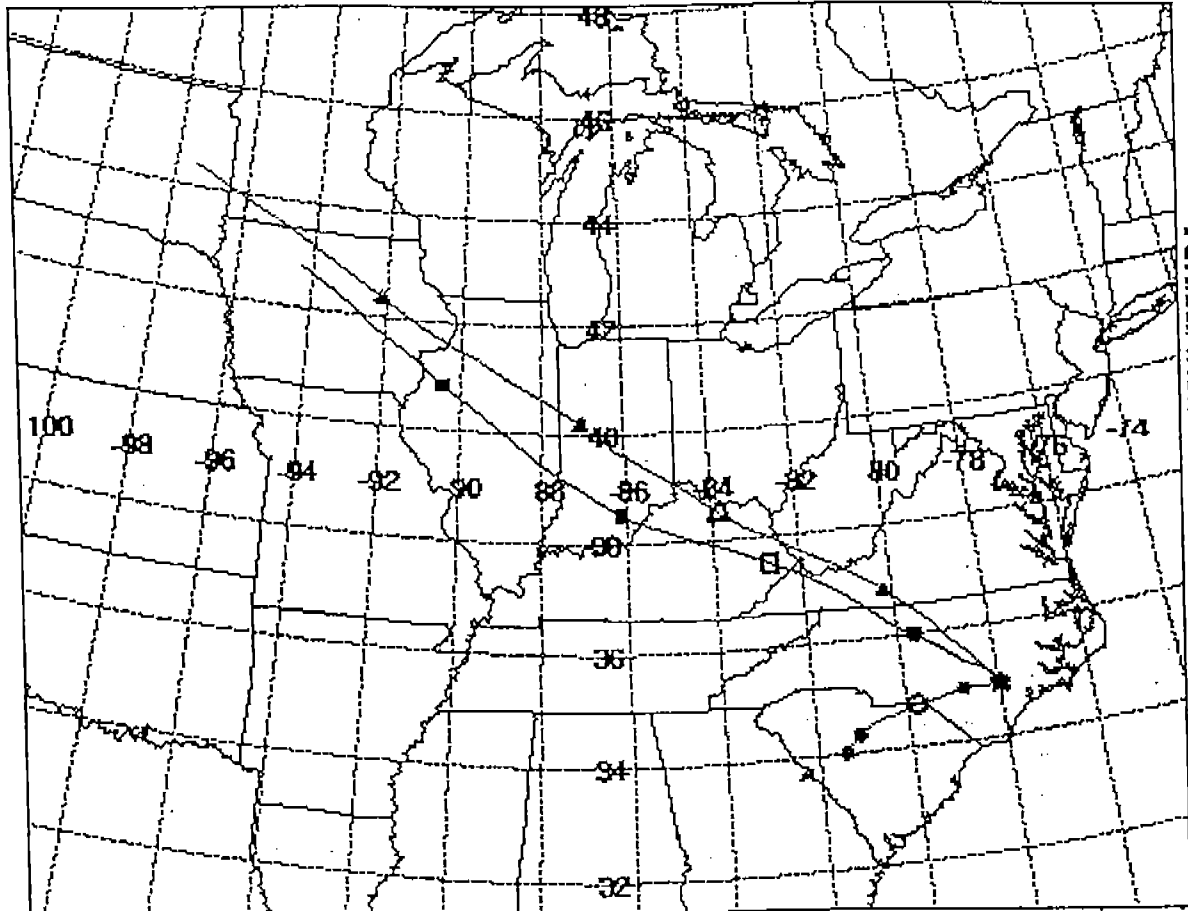


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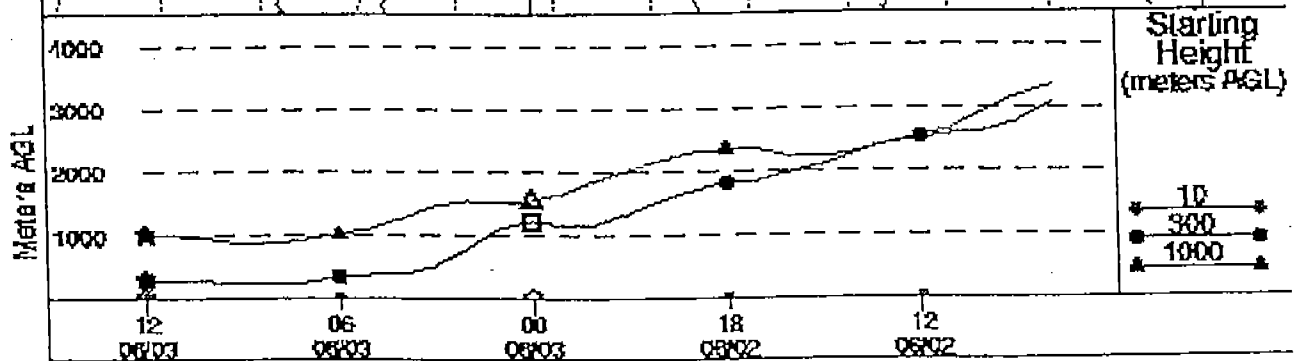
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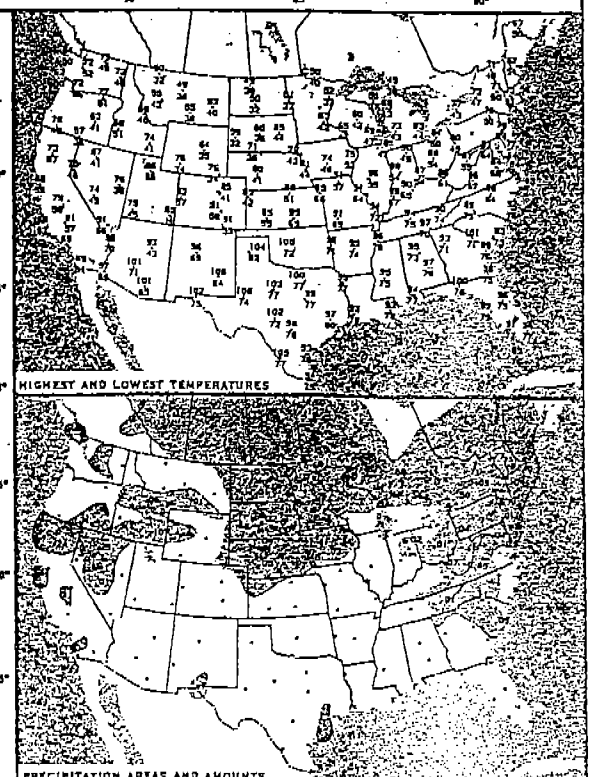
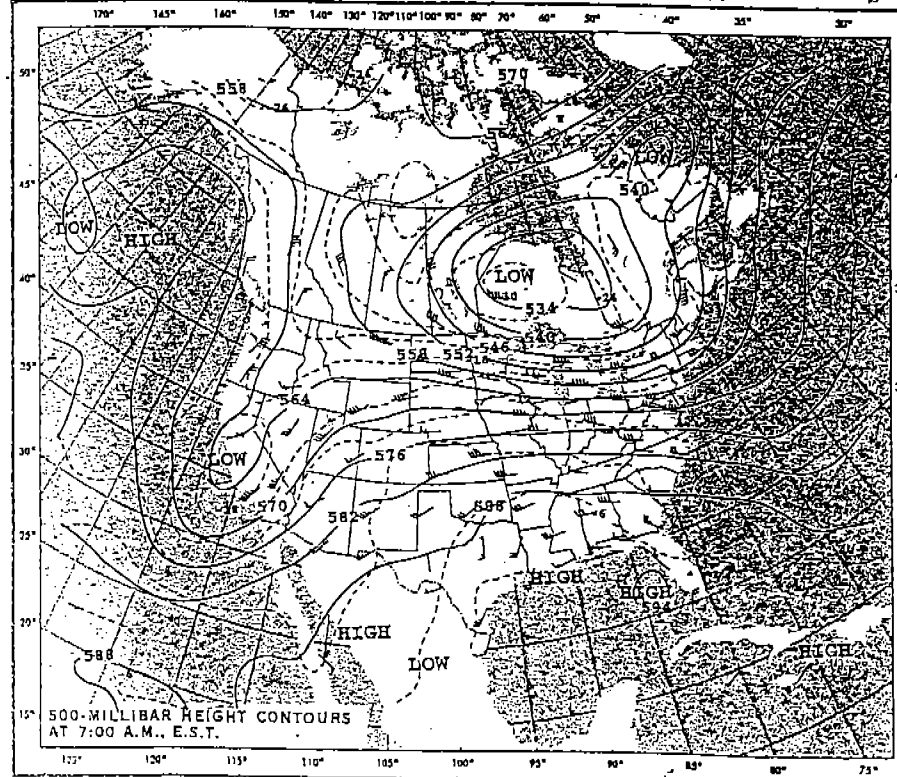
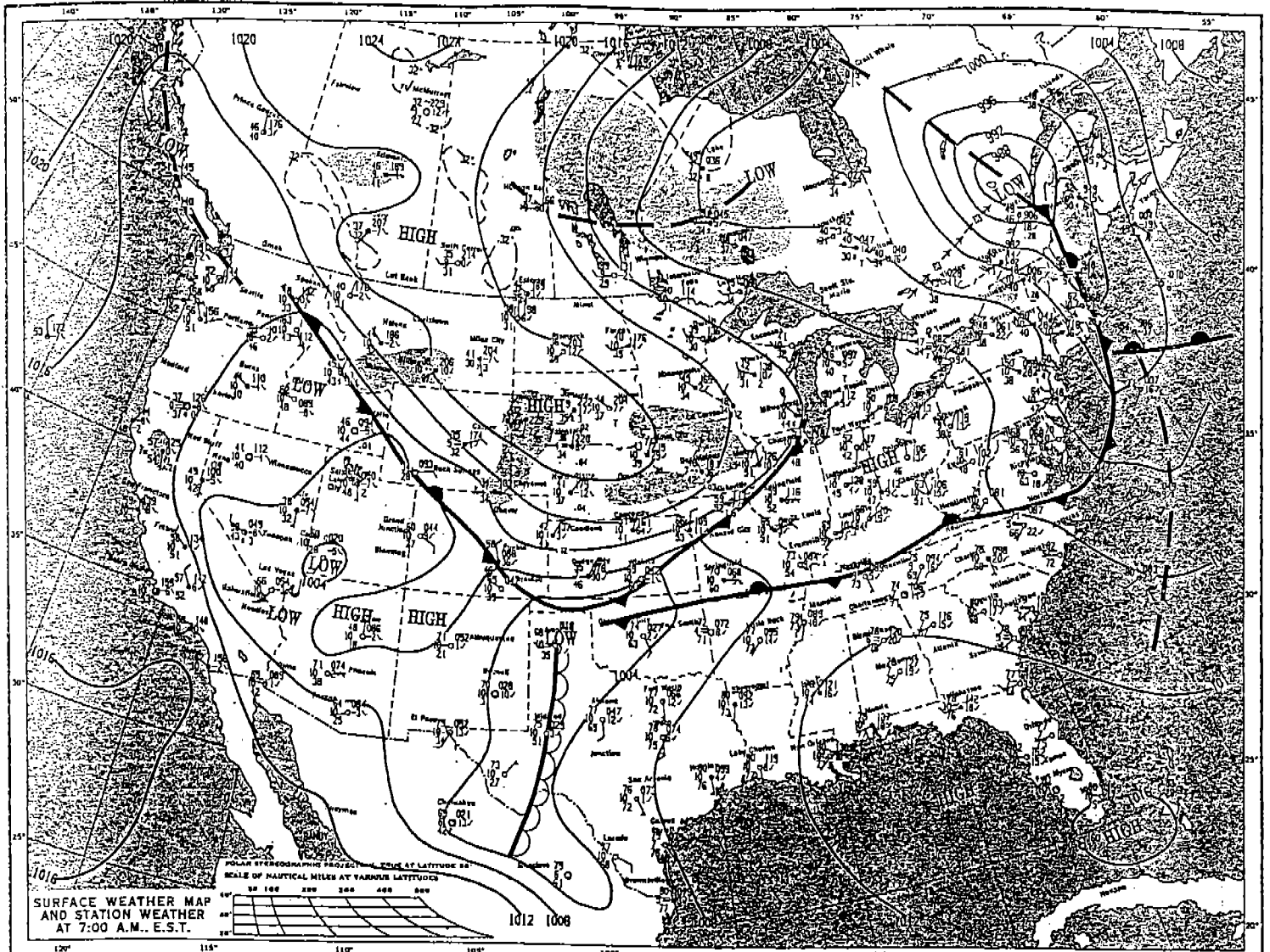
Backward Trajectories Ending- 12 UTC 03 JUN 98

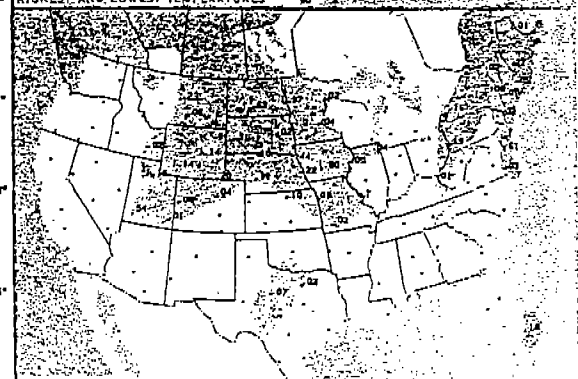
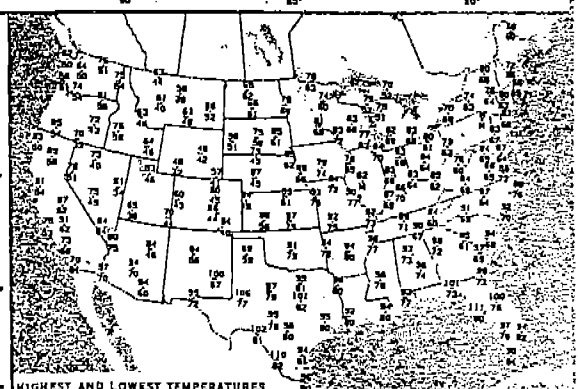
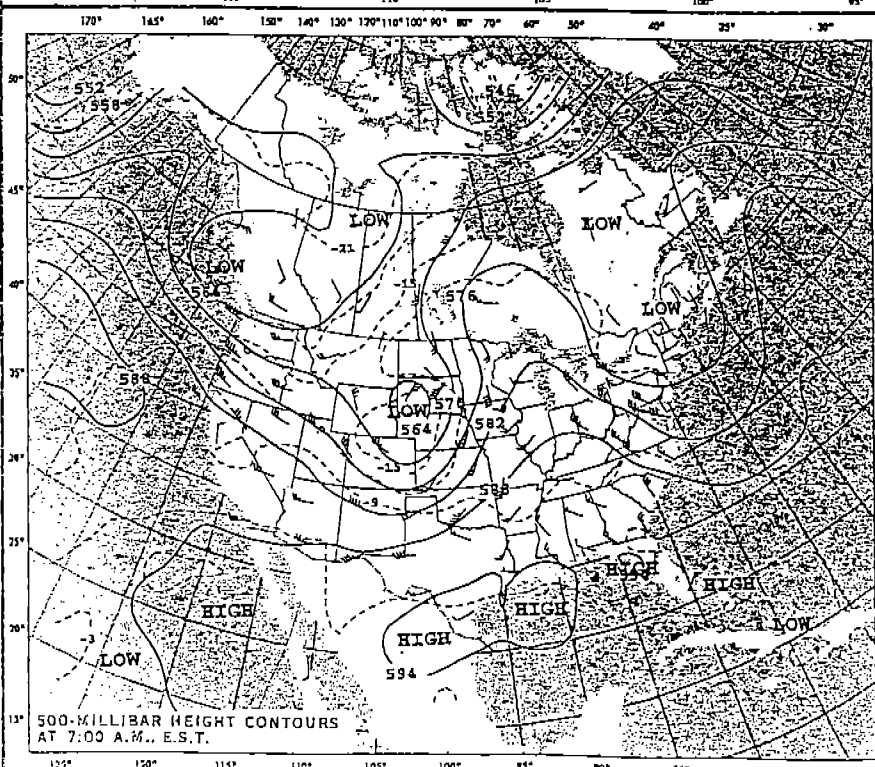
Source Location * at 34.95 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA







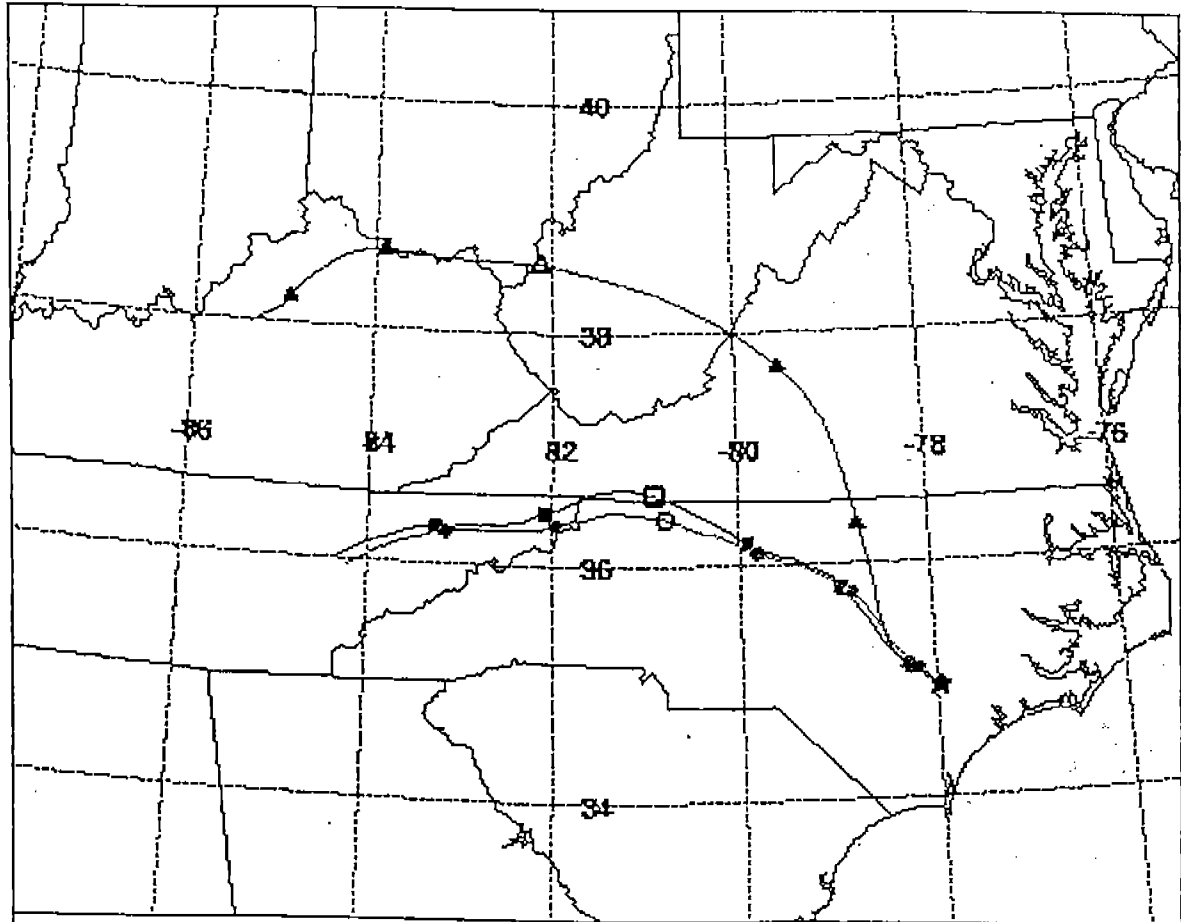


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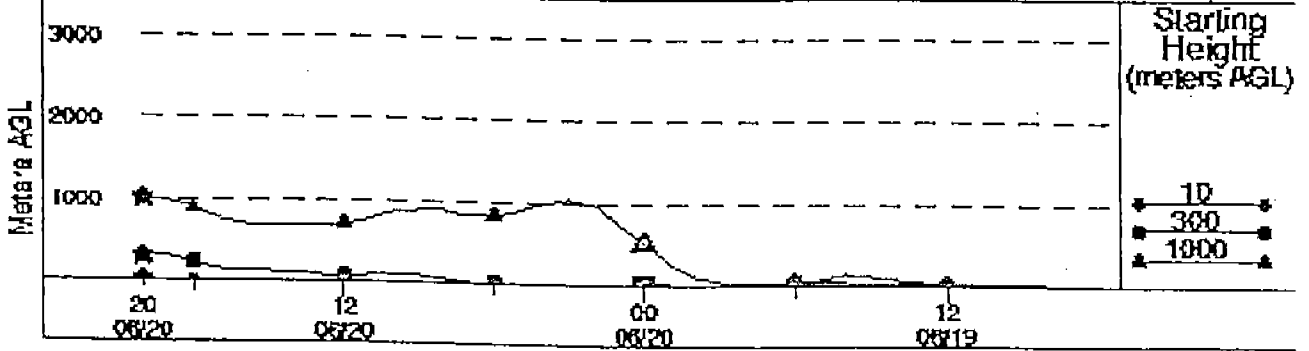
NOAA AIR RESOURCES LABORATORY

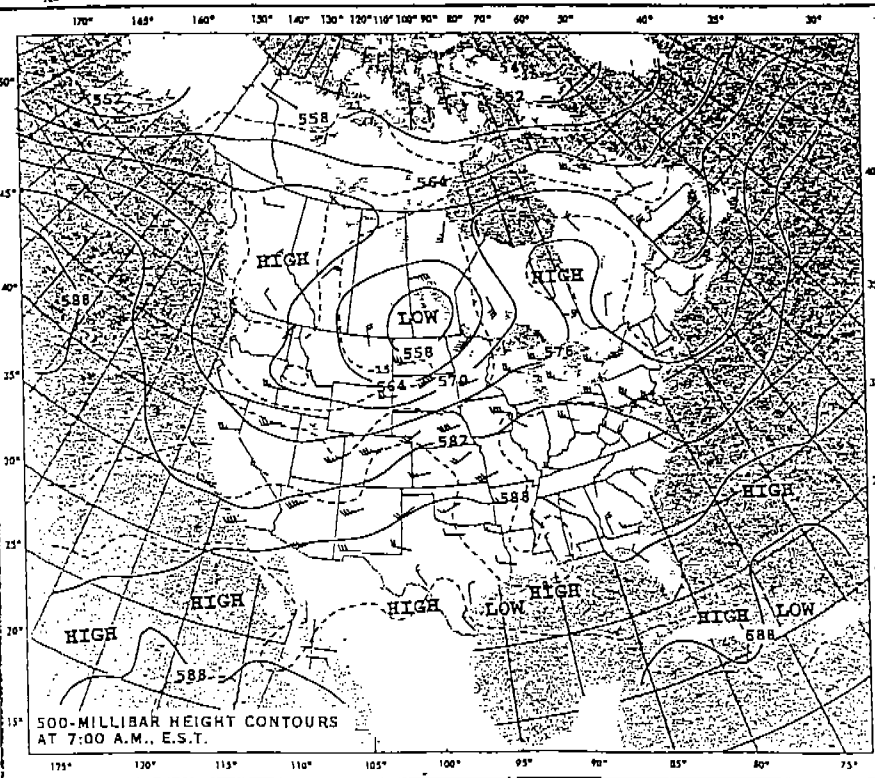
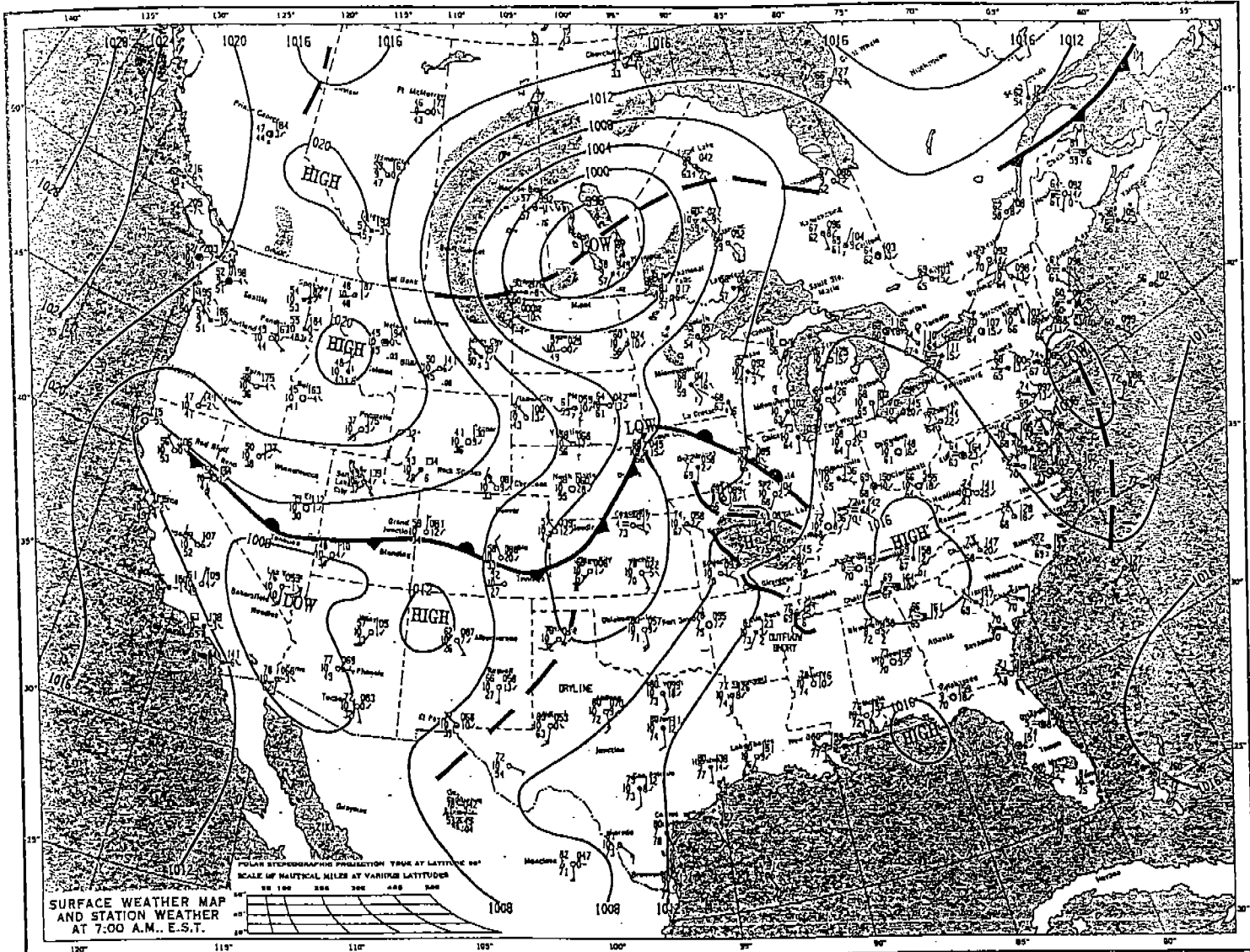
Backward Trajectories Ending- 20 UTC 20 JUN 98

Source Location * at 34.95 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





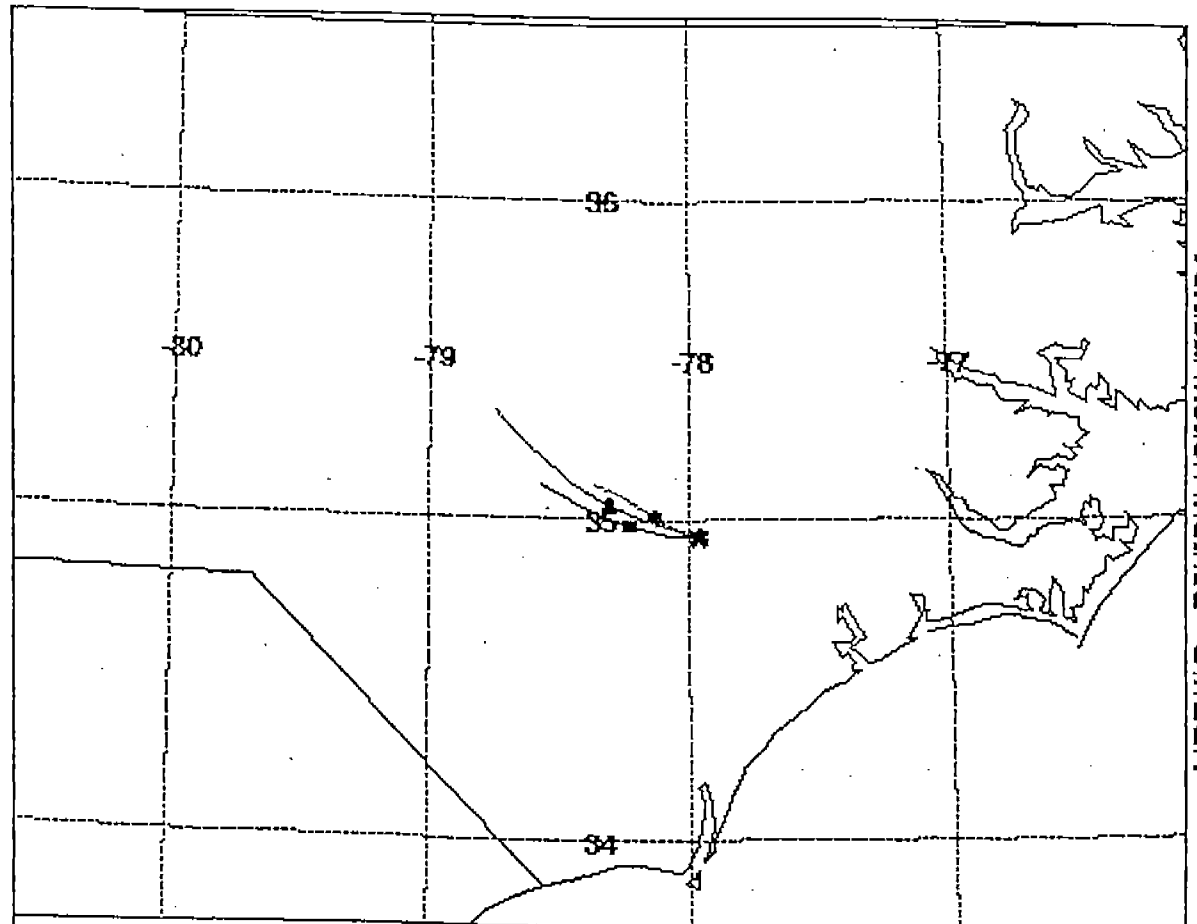


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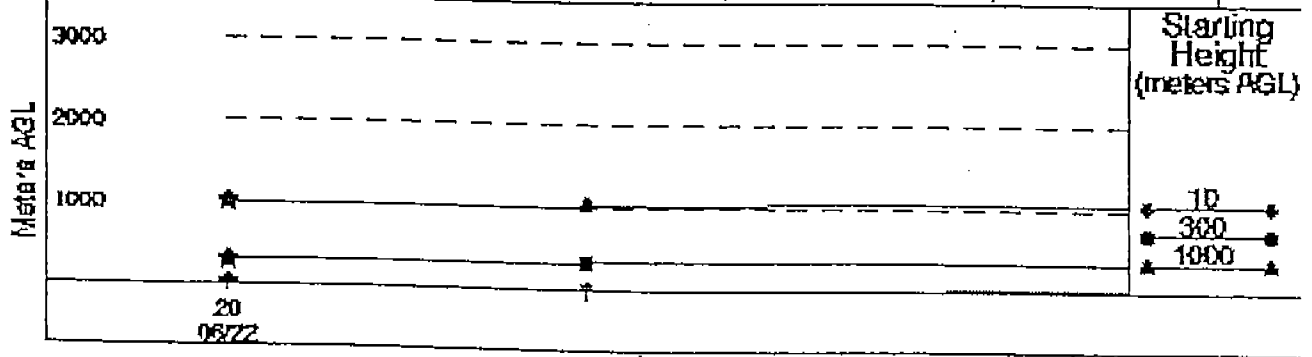
NOAA AIR RESOURCES LABORATORY

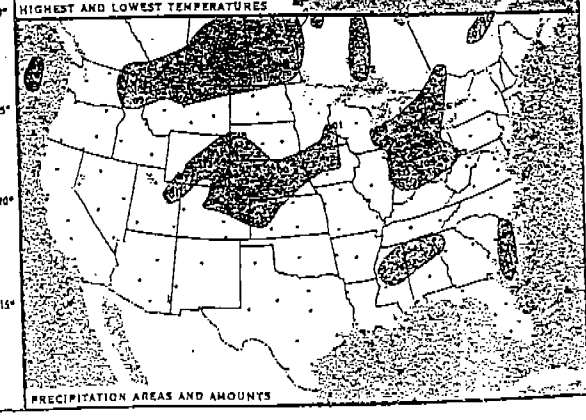
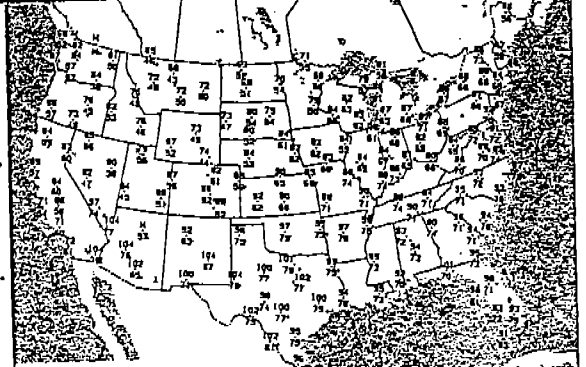
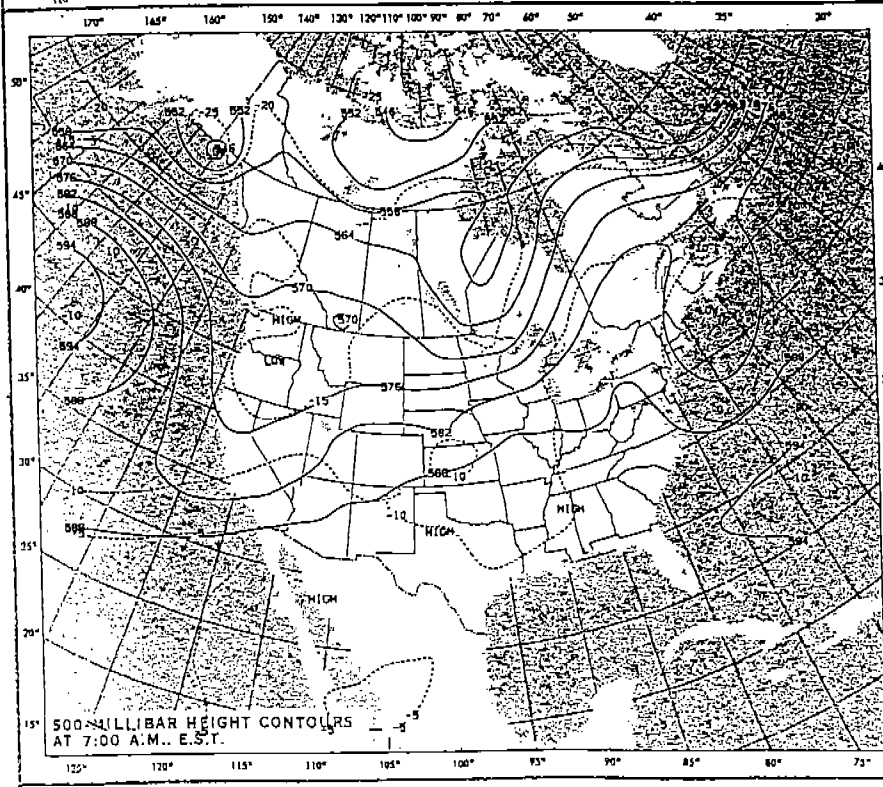
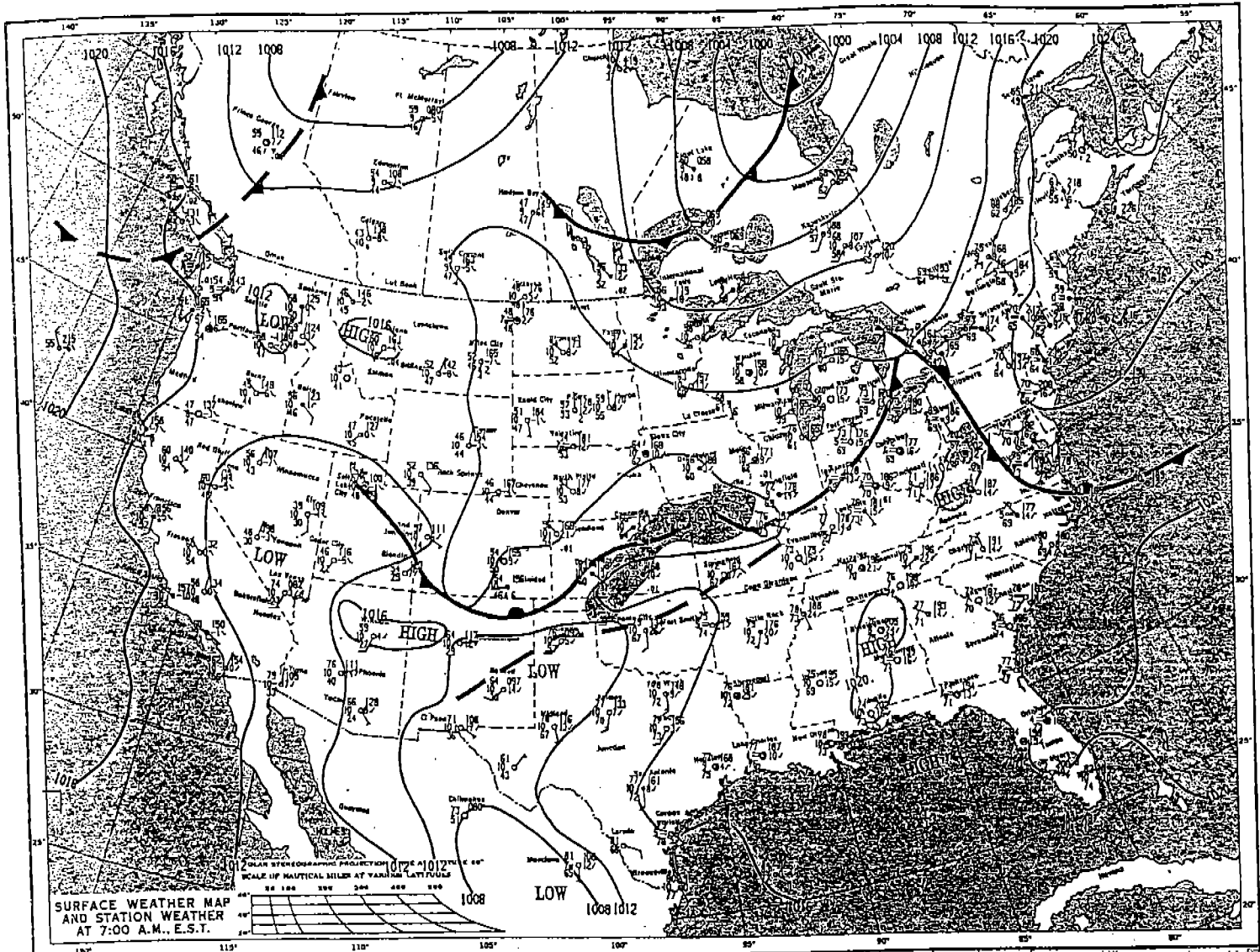
Backward Trajectories Ending- 20 UTC 22 JUN 98

Source Location * at 34.95 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





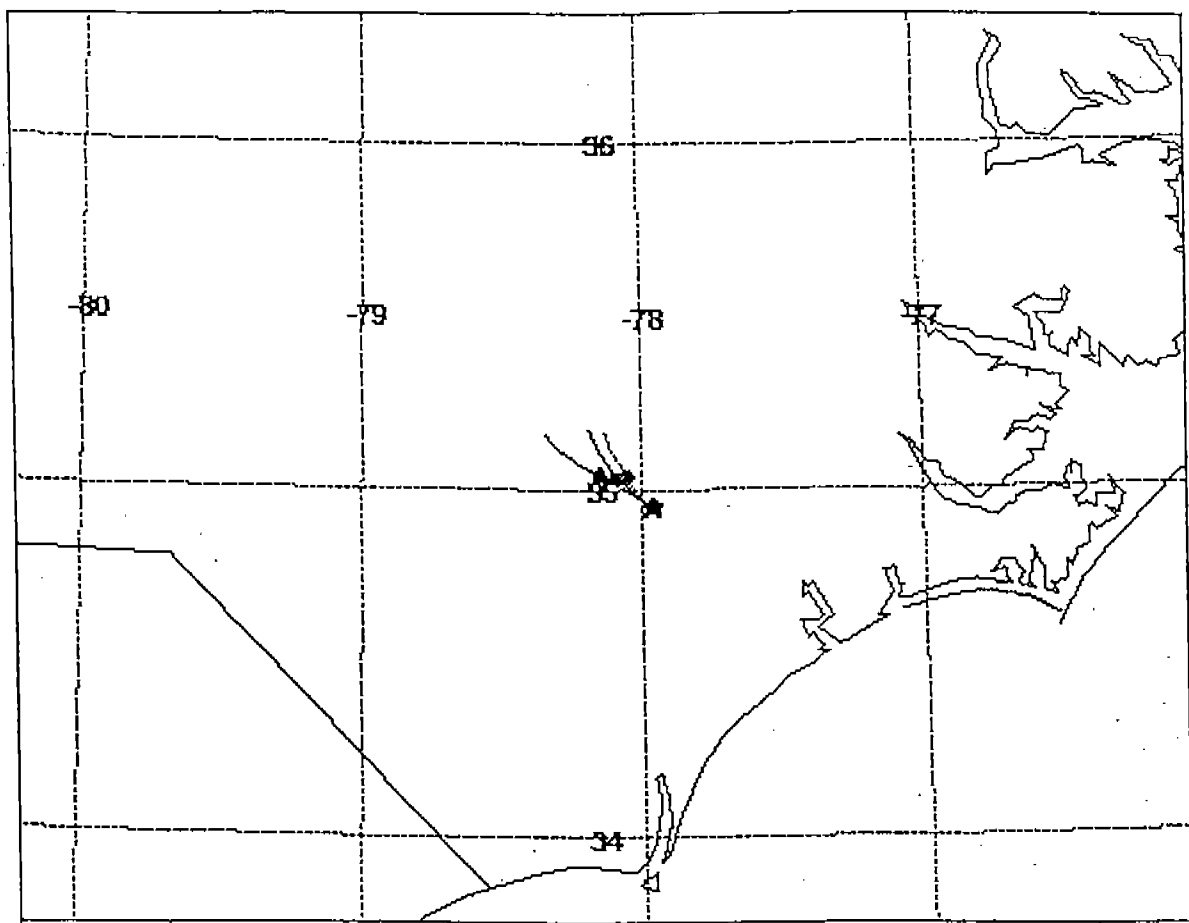


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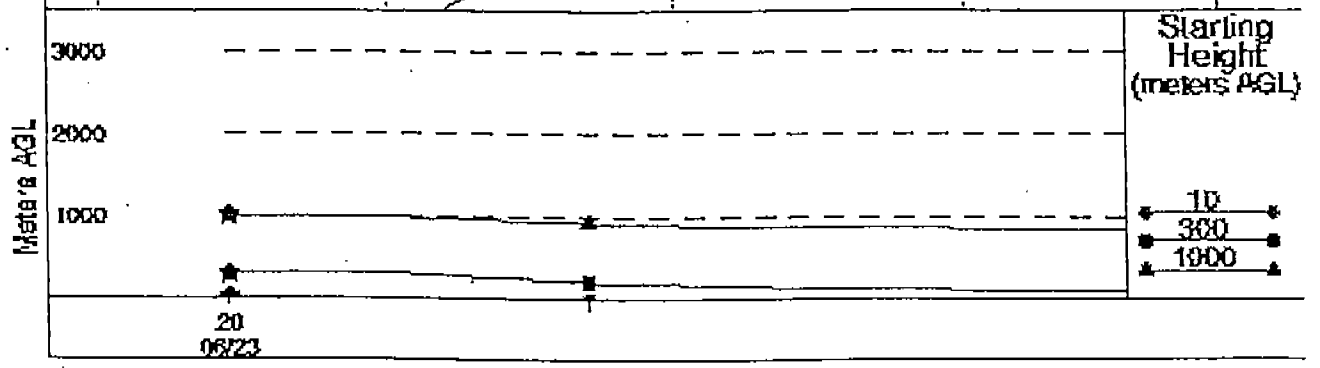
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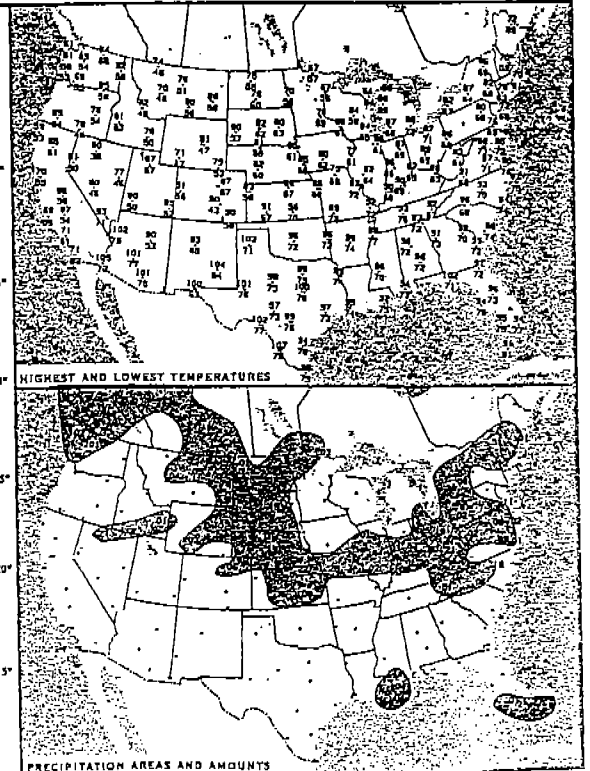
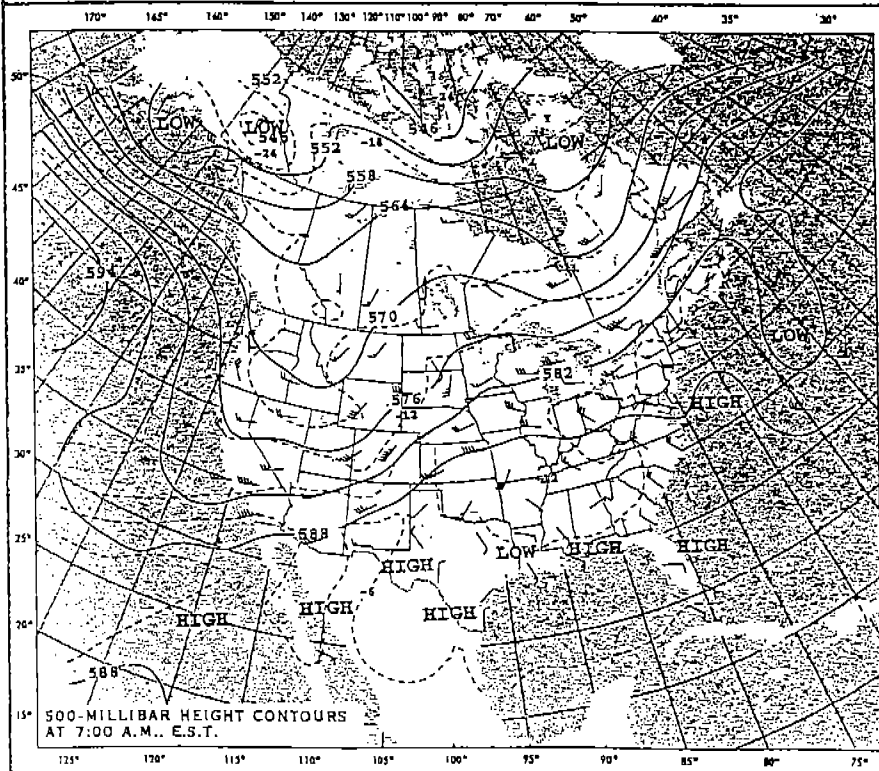
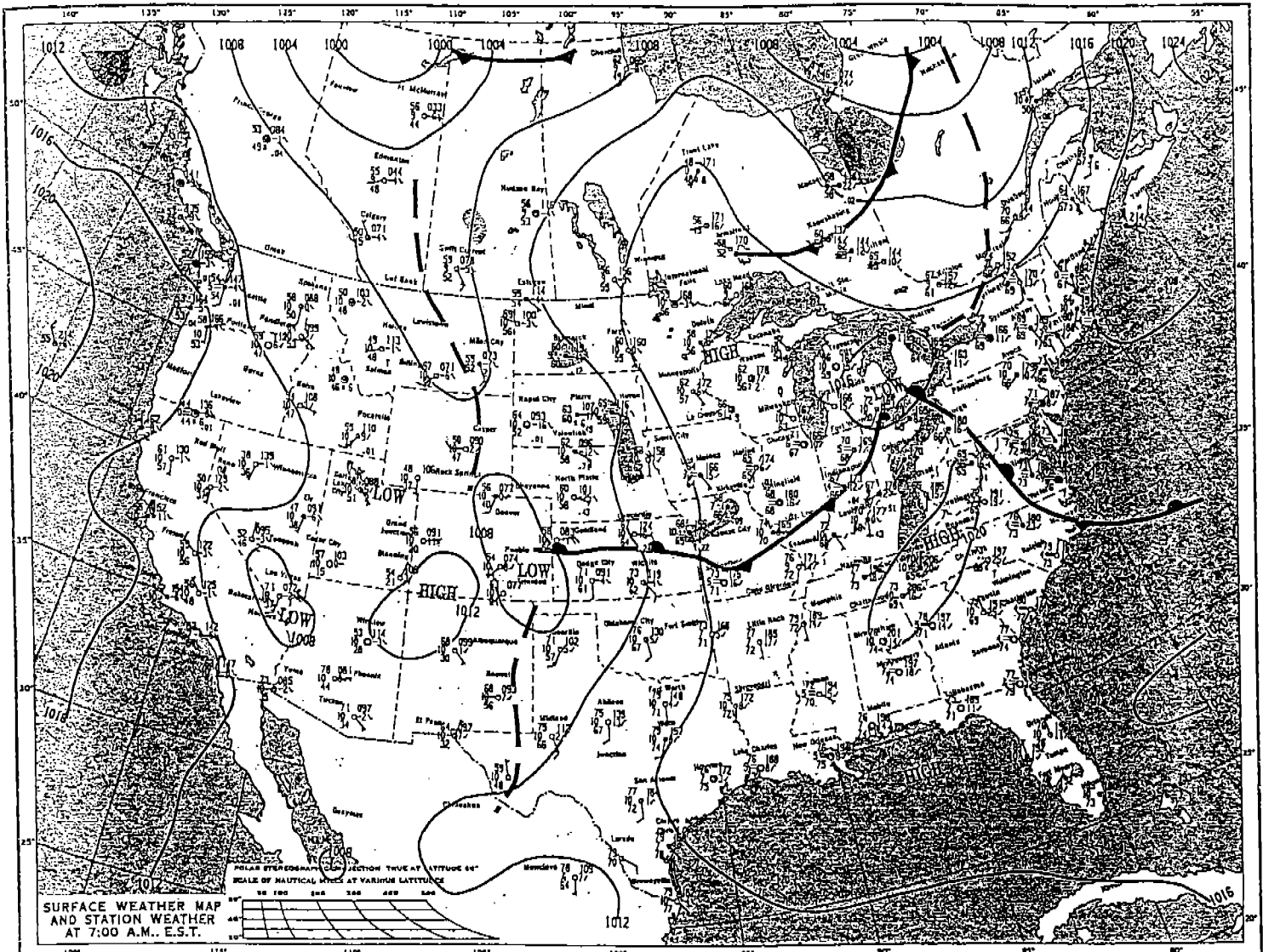
Backward Trajectories Ending- 20 UTC 23 JUN 98

Source Location ★ at 34.65 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





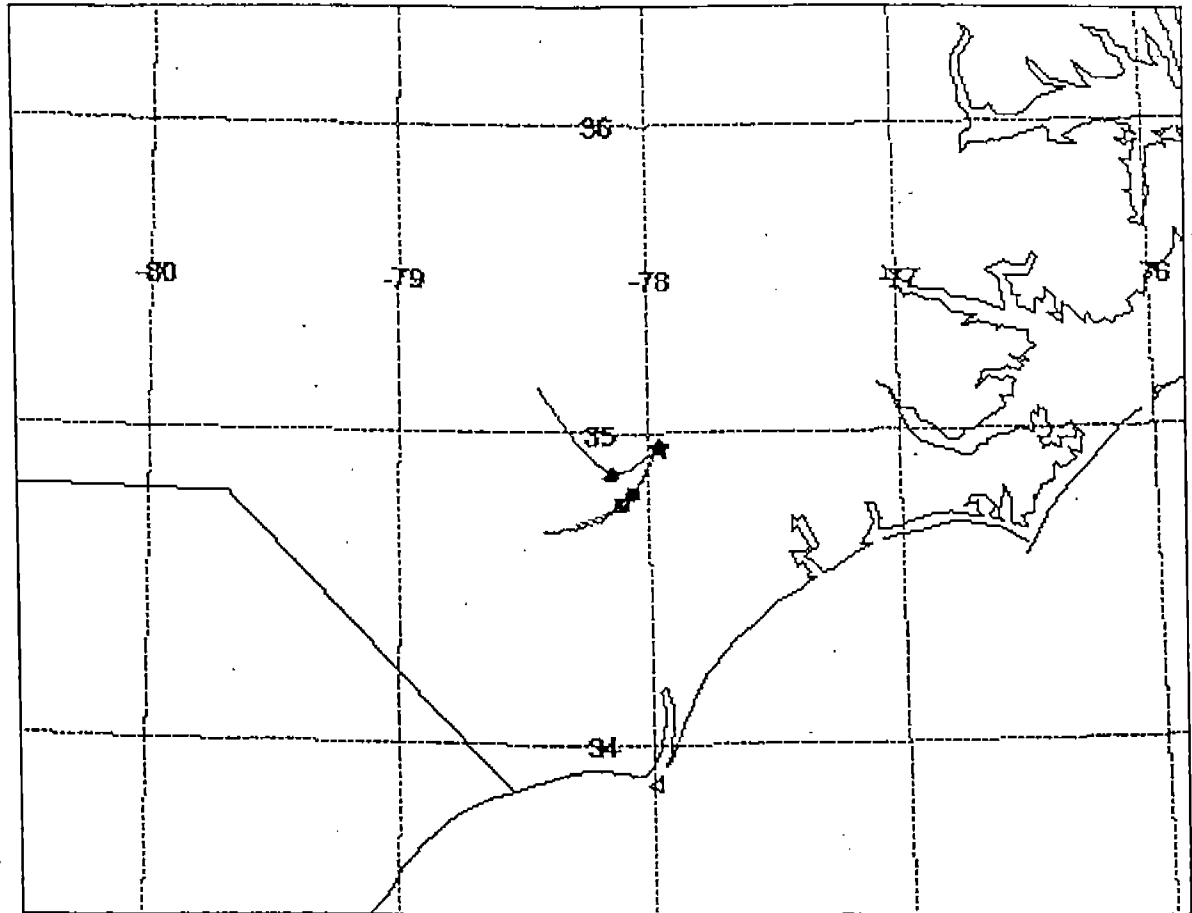


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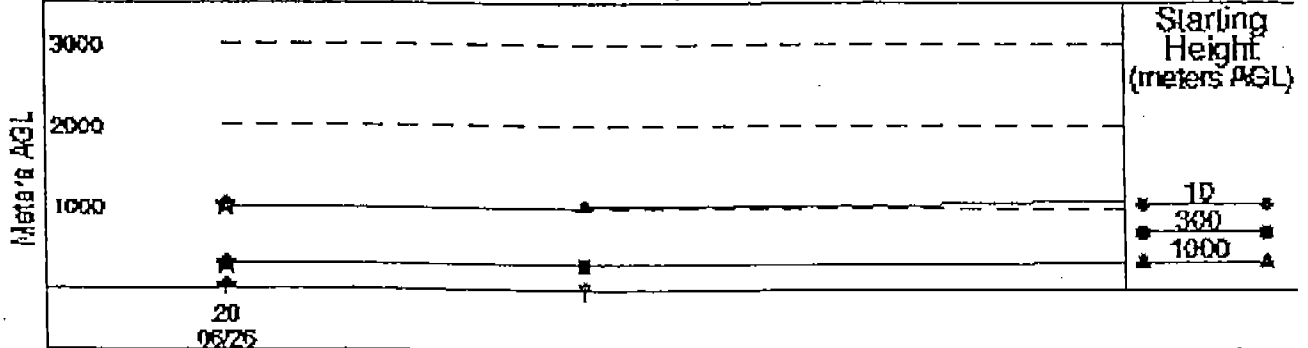
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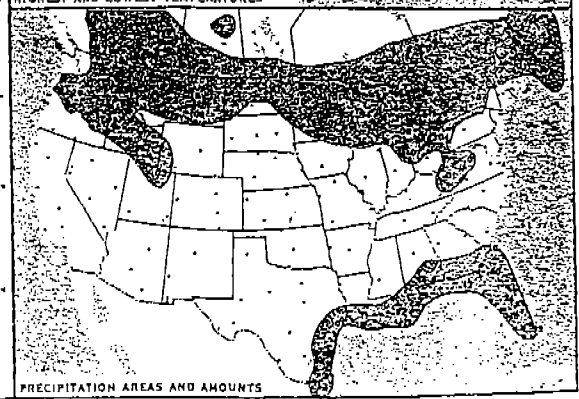
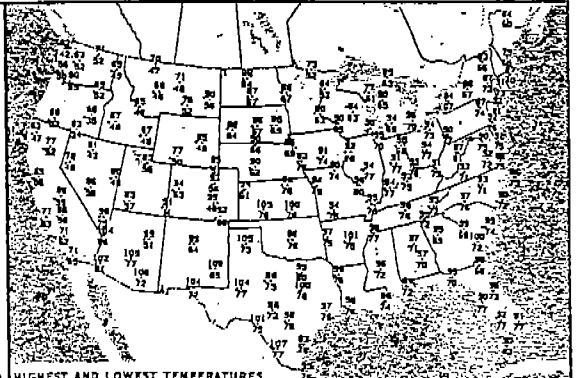
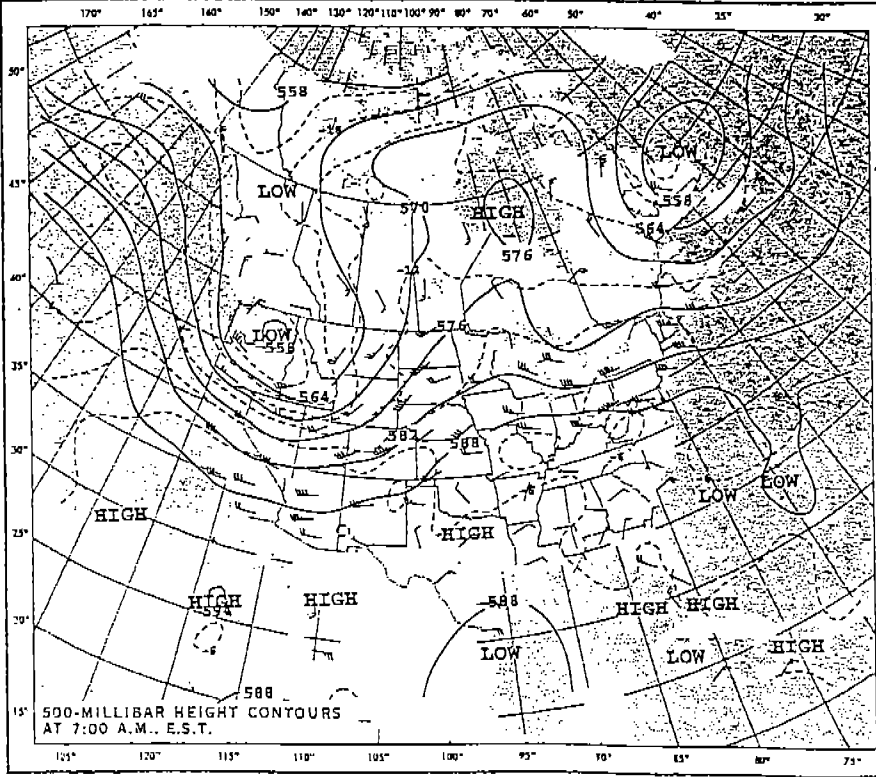
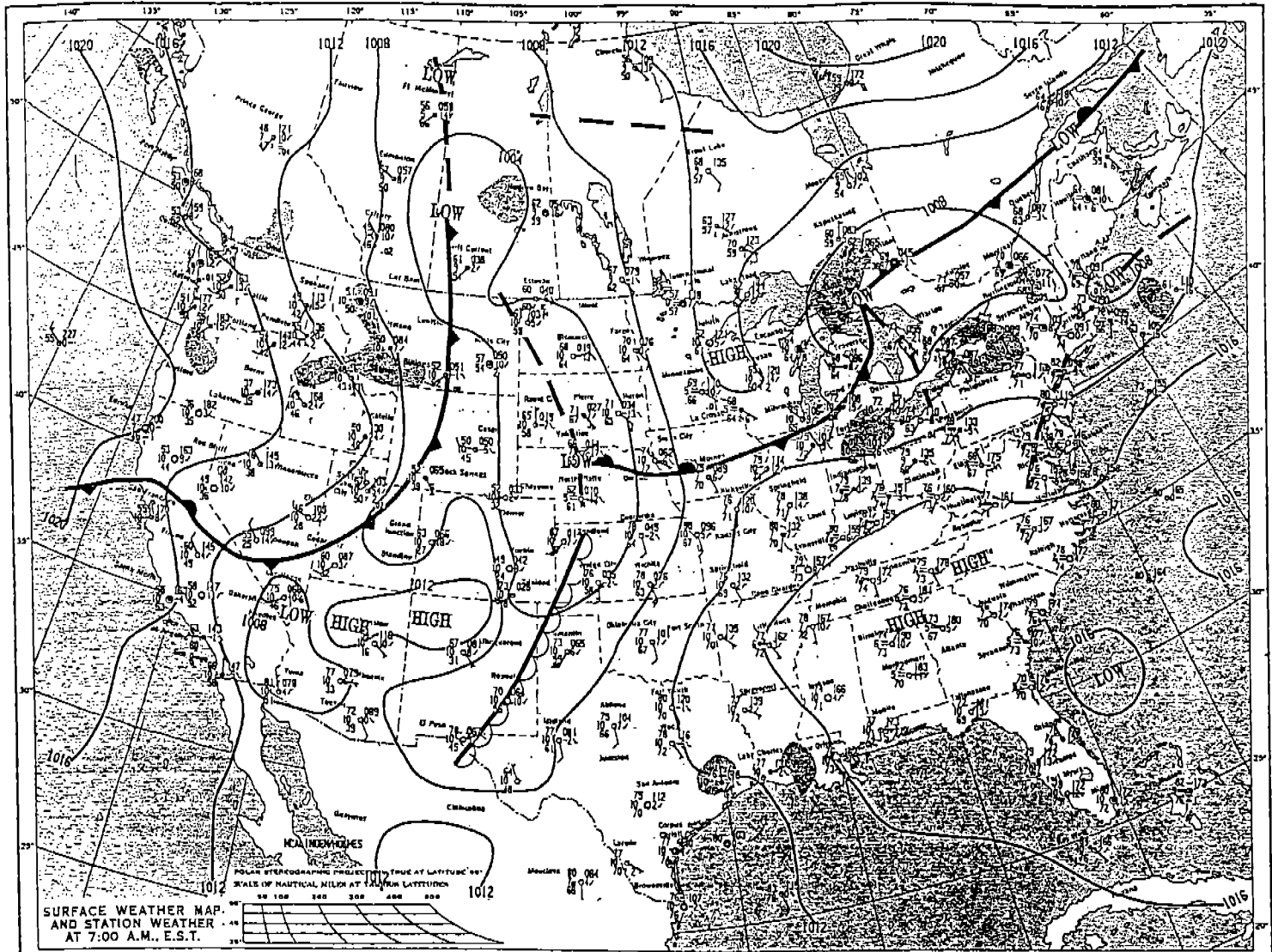
Backward Trajectories Ending- 20 UTC 26 JUN 98

Source Location ★ at 34.85 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA







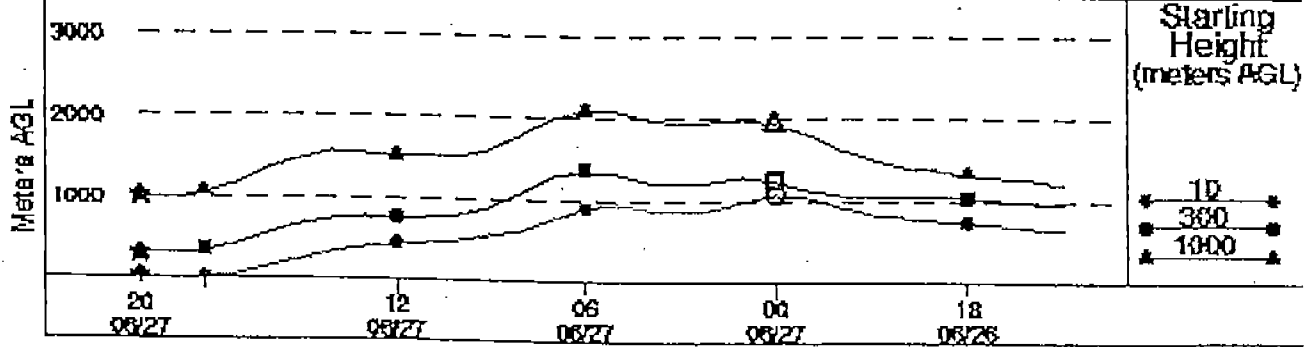
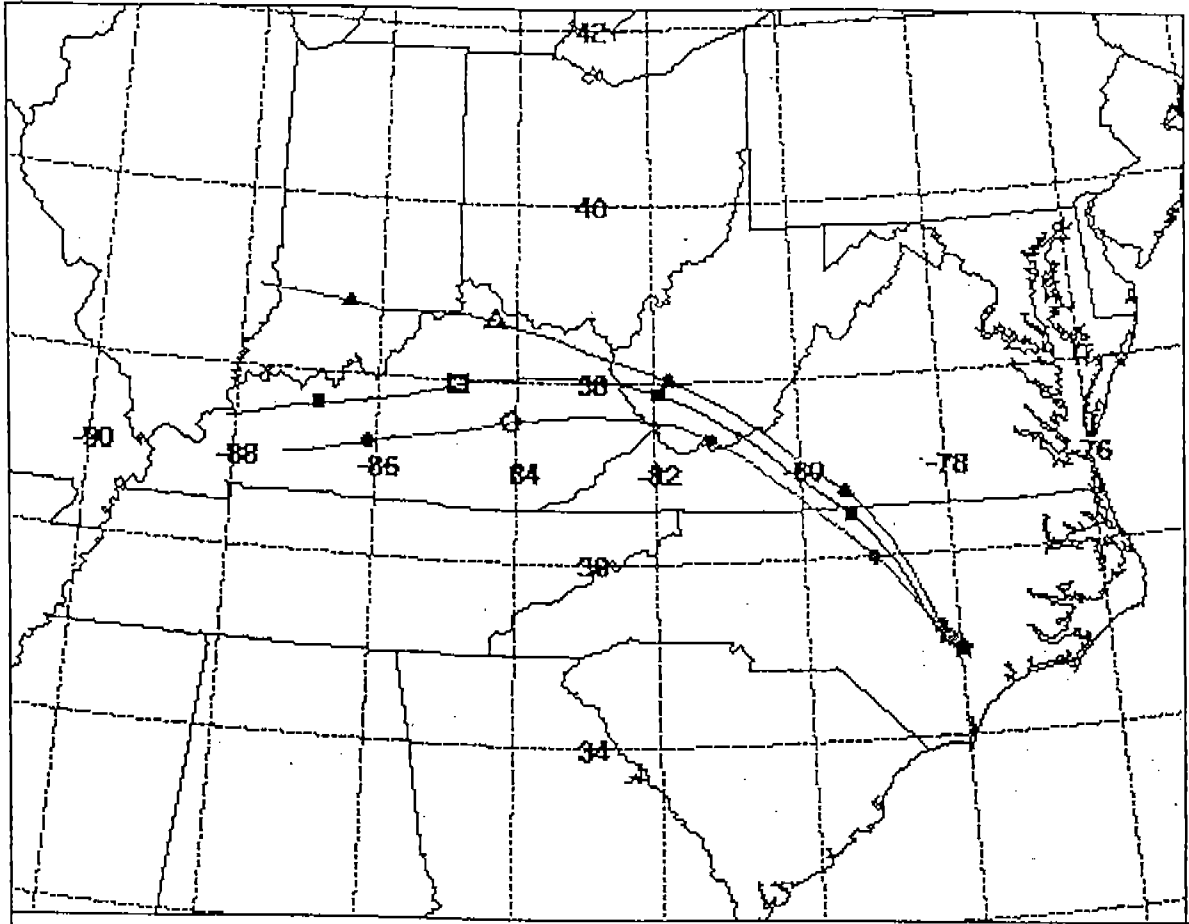
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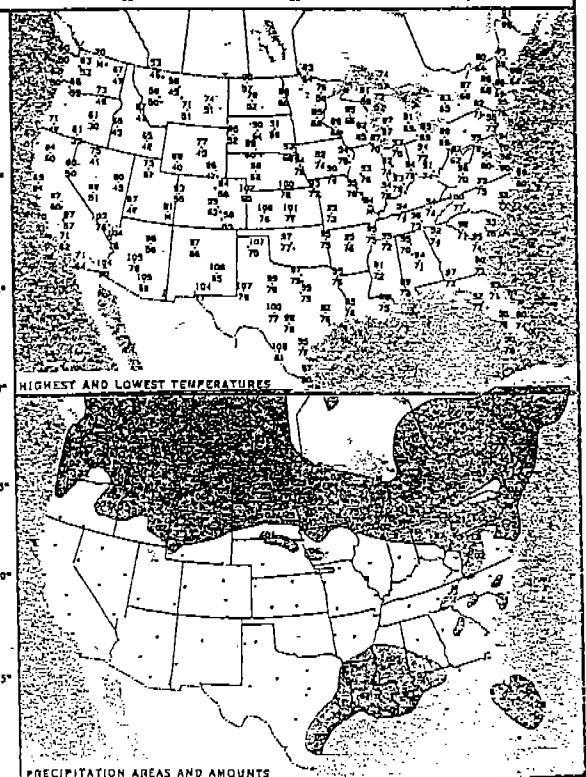
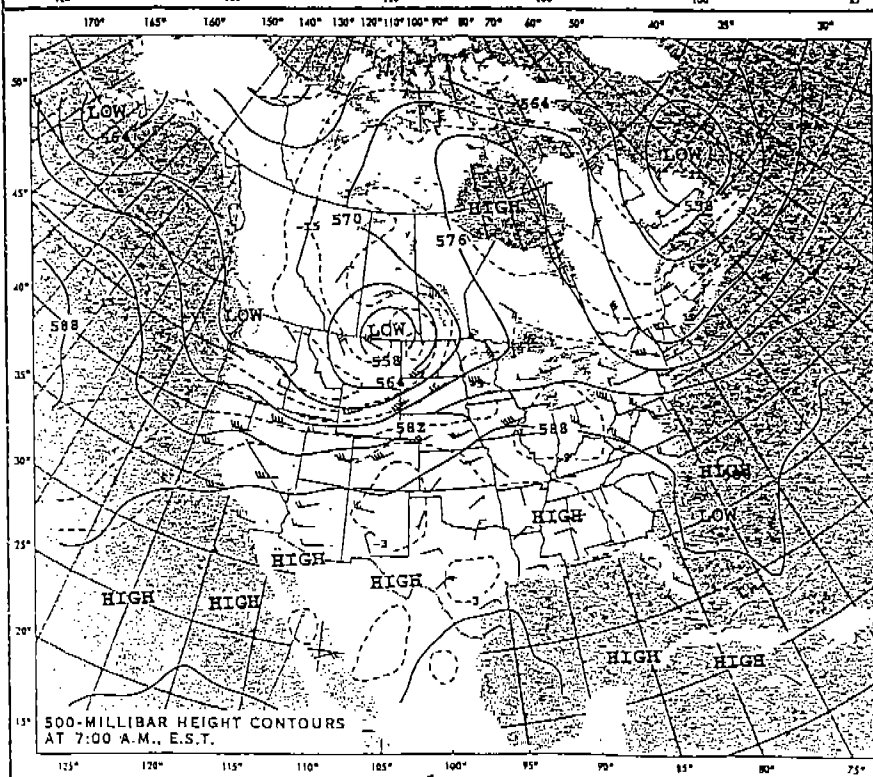
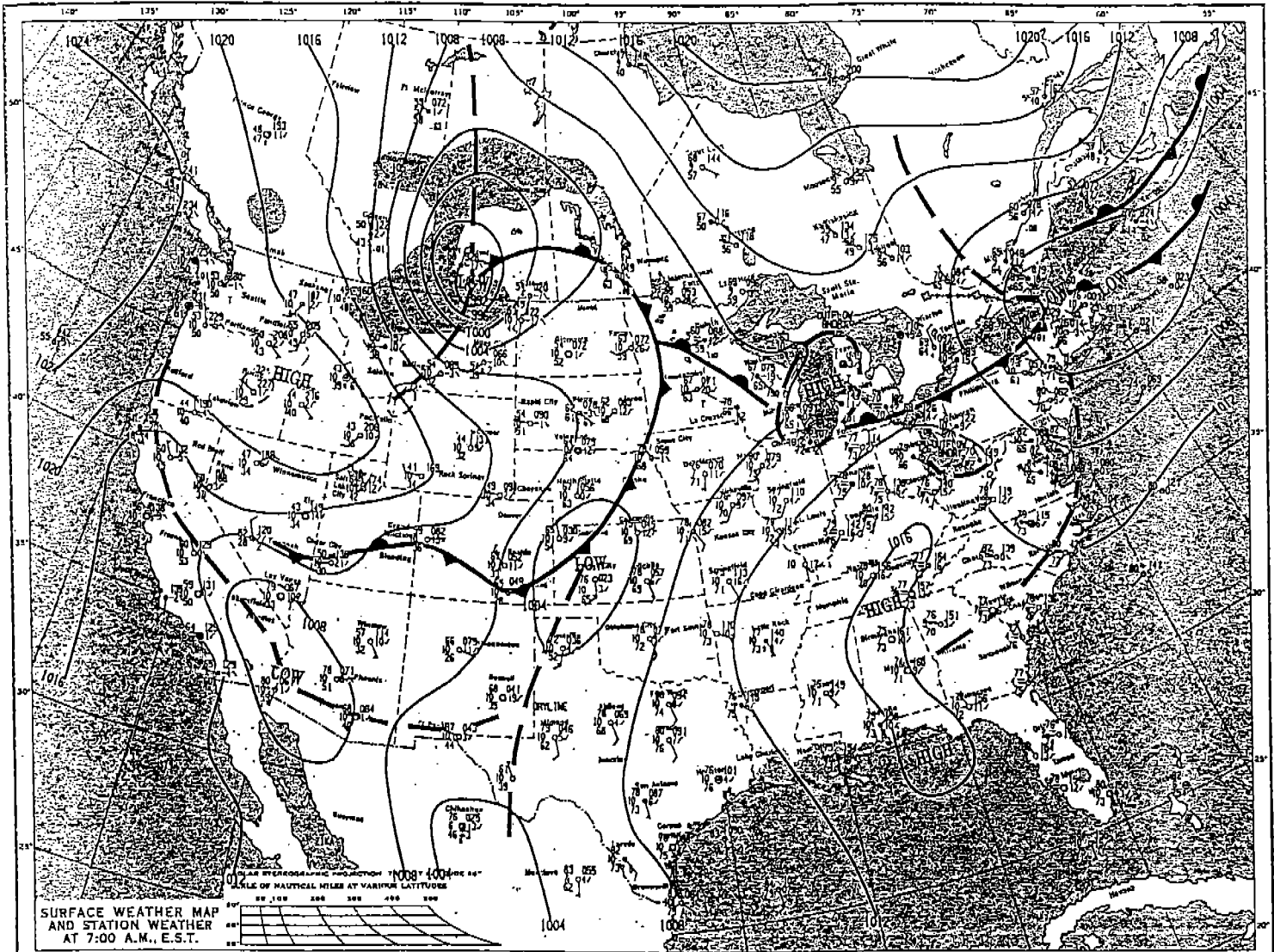
NOAA AIR RESOURCES LABORATORY

Backward Trajectories Ending- 20 UTC 27 JUN 98

Source Location * at 34.95 N 77.96 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA





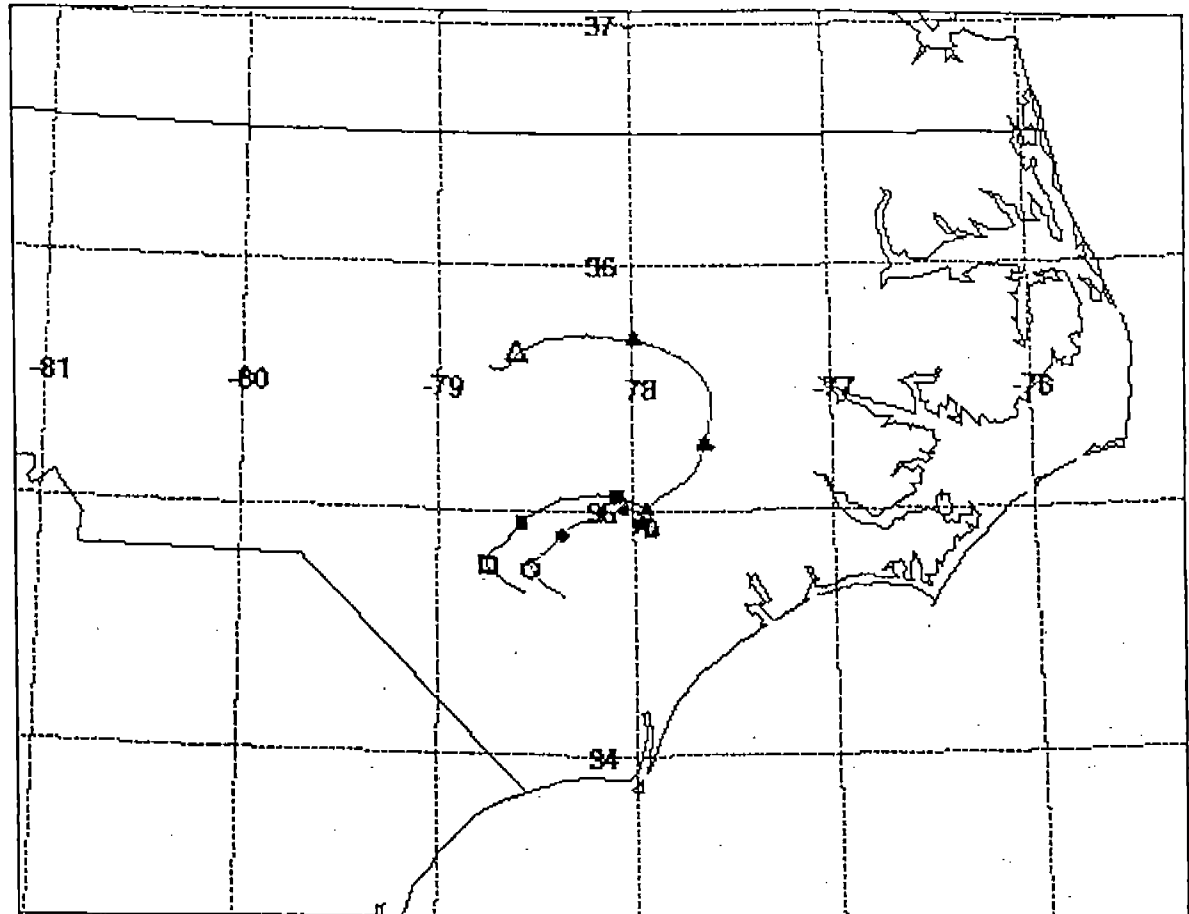


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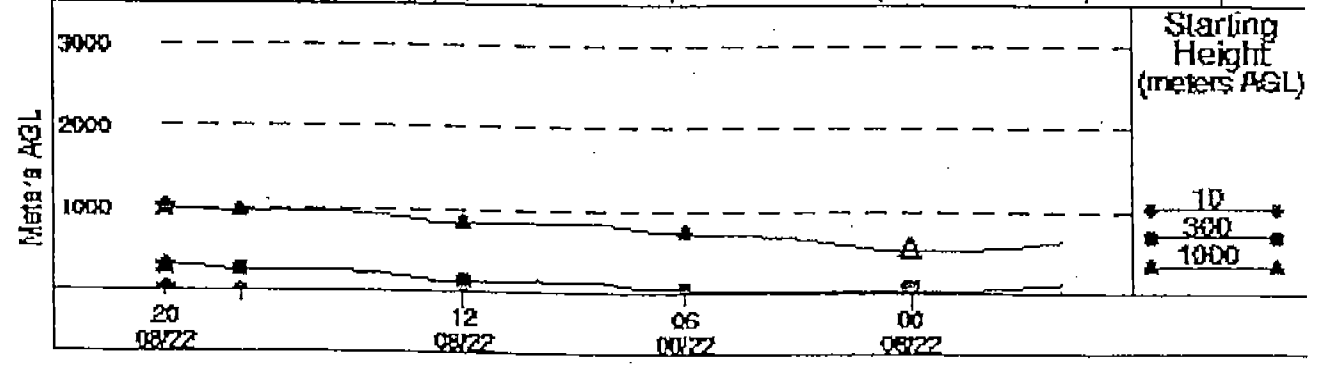
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Backward Trajectories Ending- 20 UTC 22 AUG 98

Source Location * at 34.95 N 77.96 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



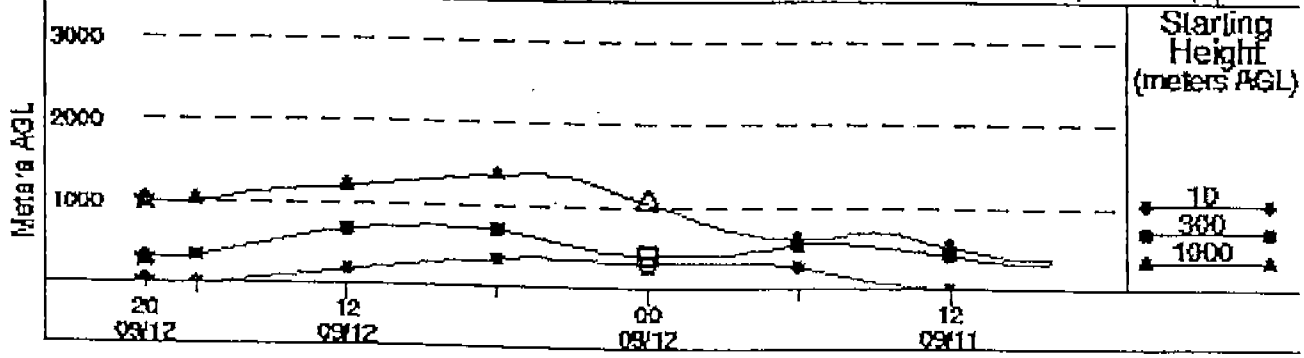
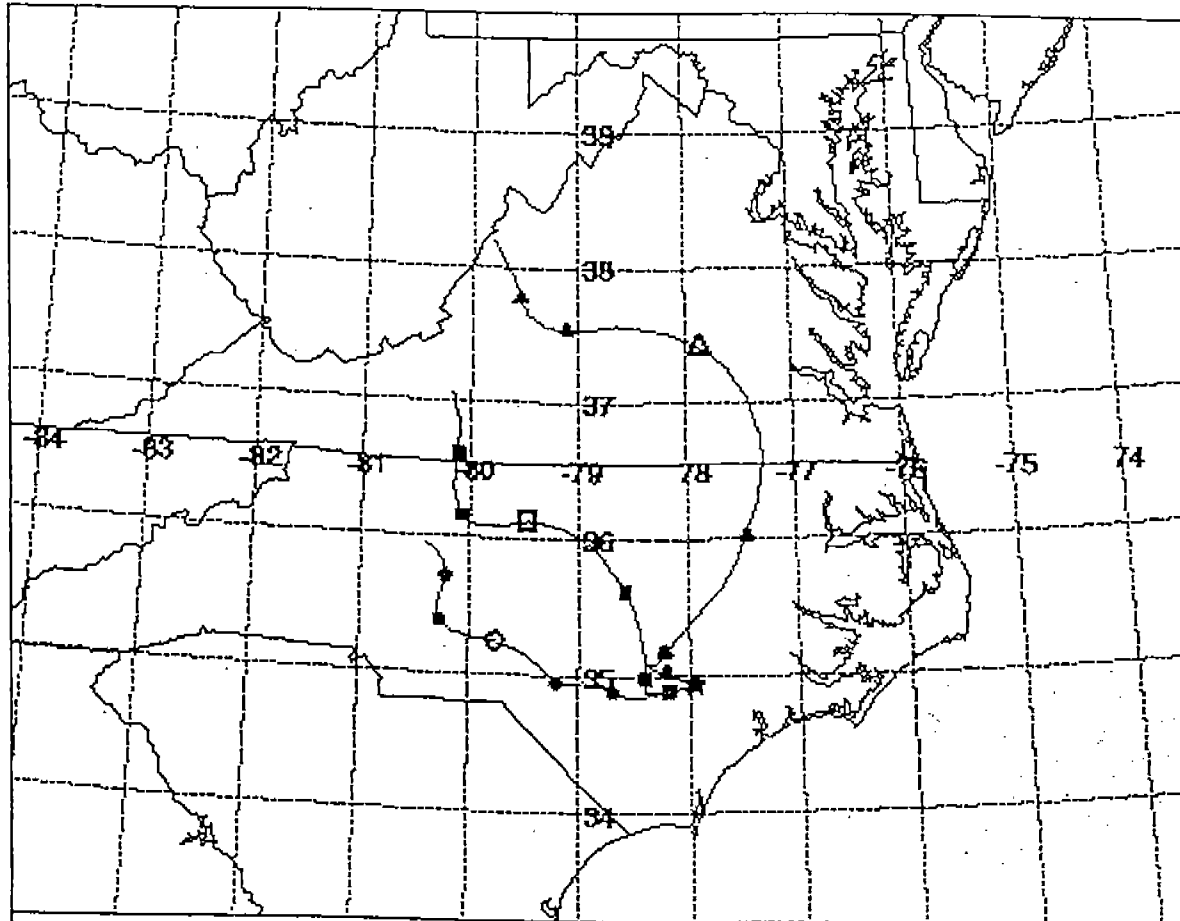


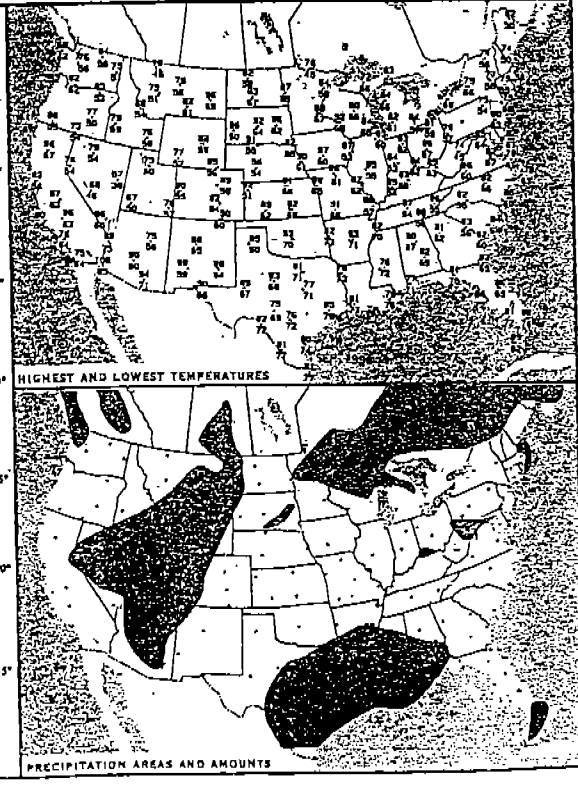
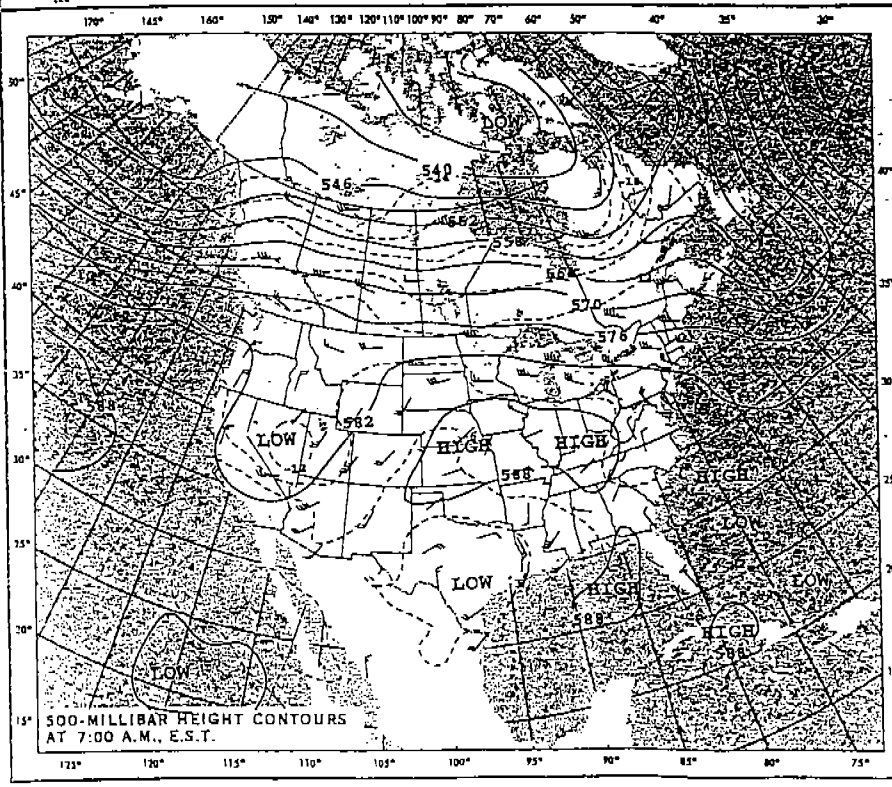
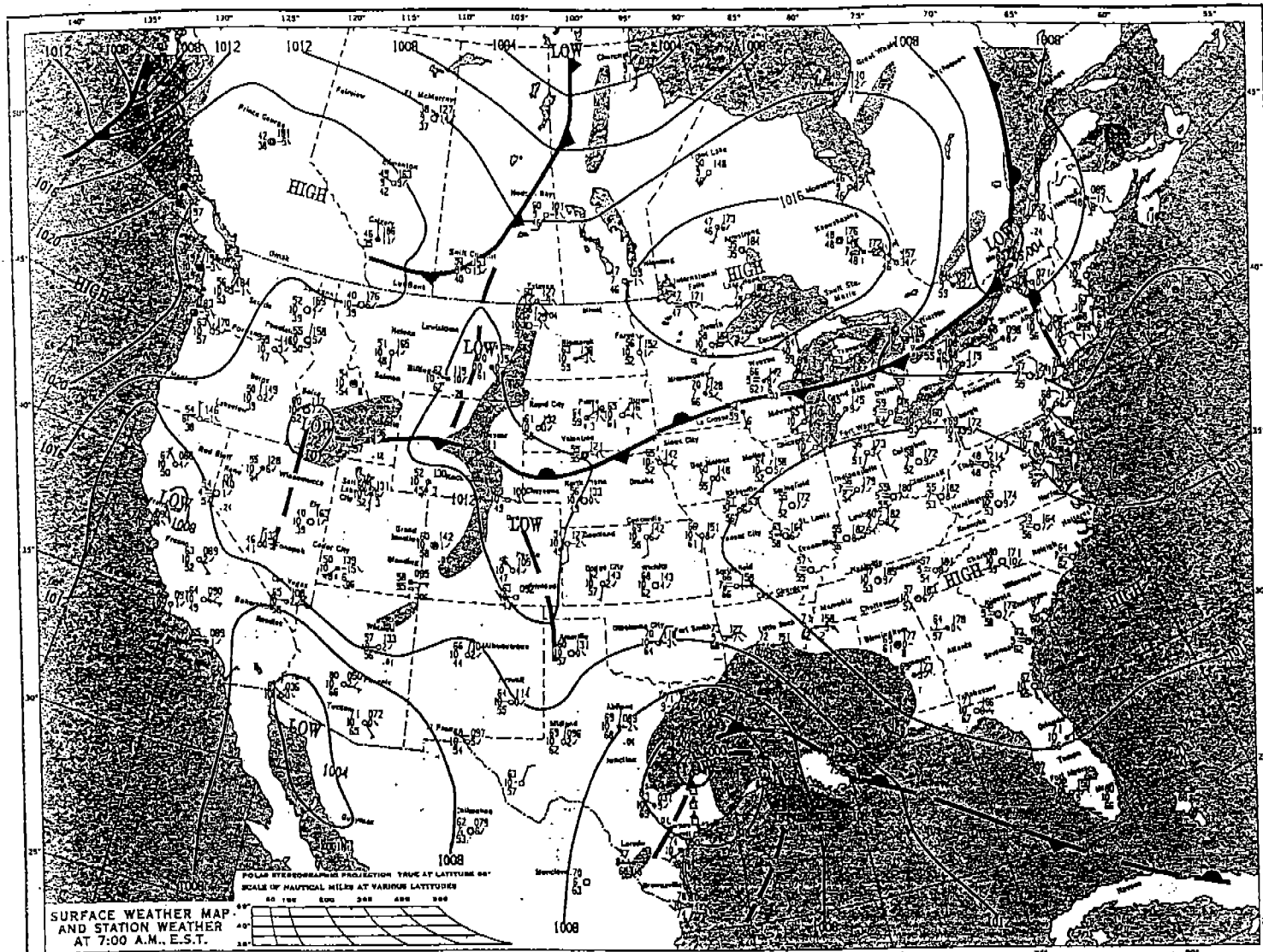
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Backward Trajectories Ending- 20 UTC 12 SEP 98

Source Location ★ at 34.95 N 77.96 W





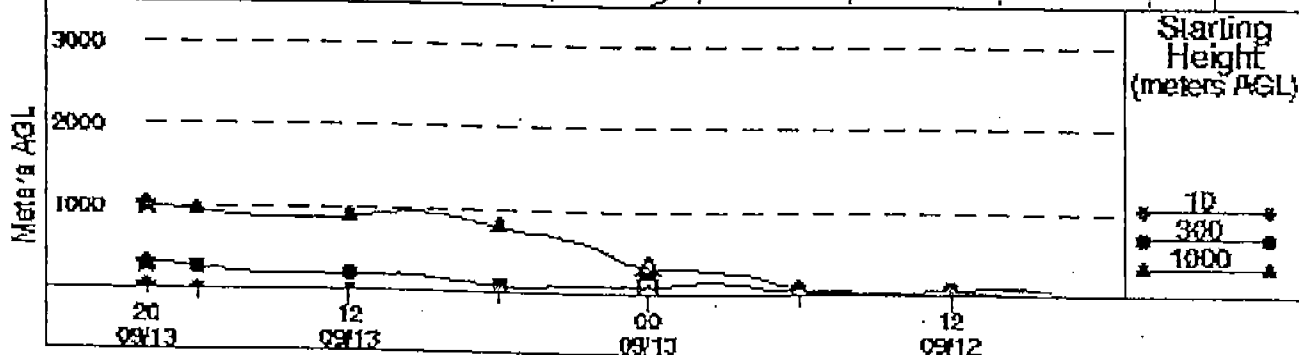
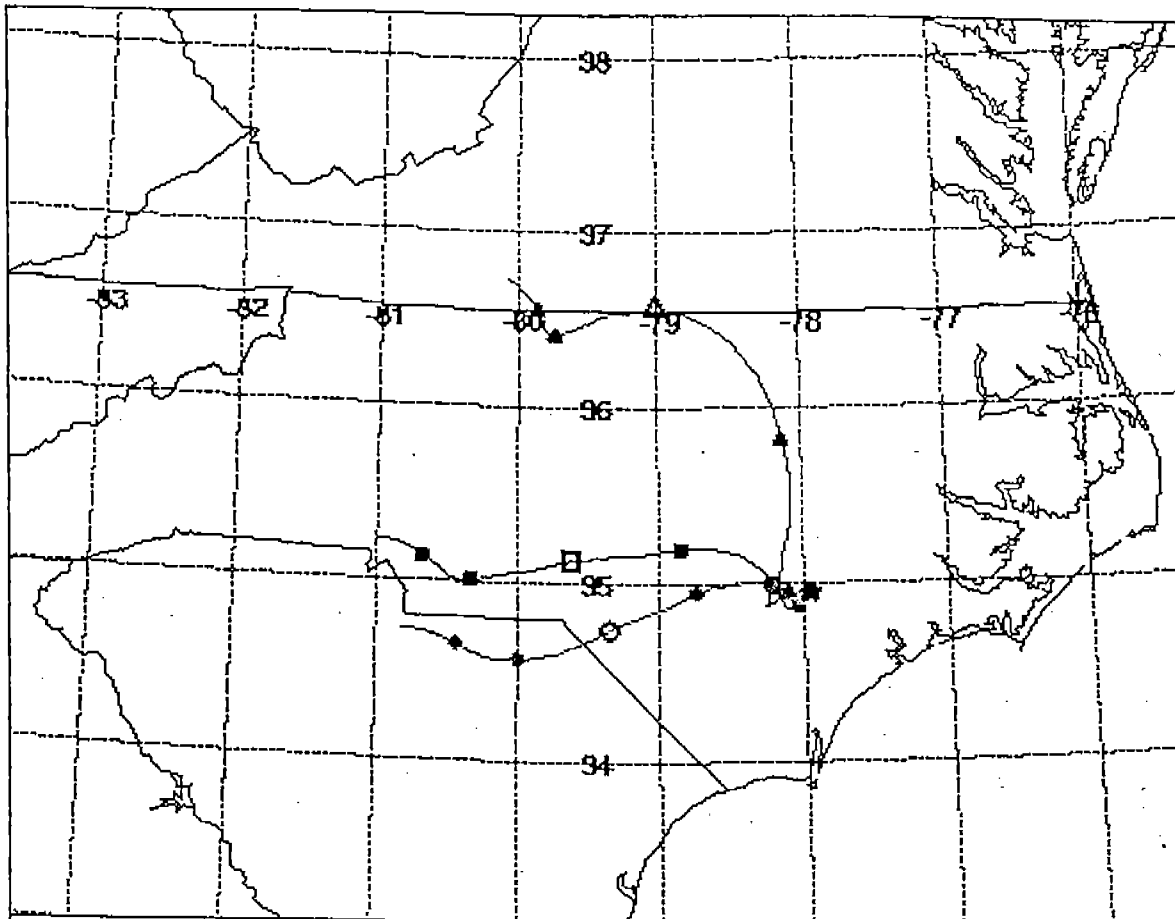


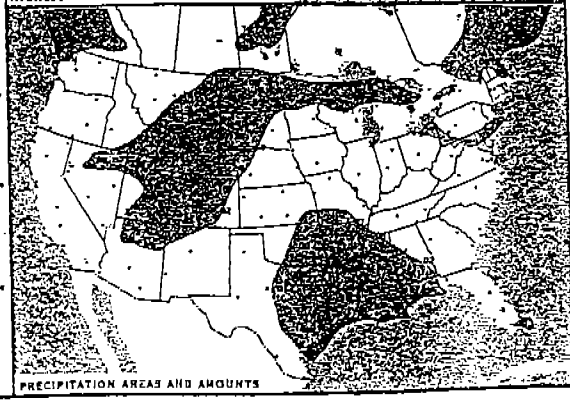
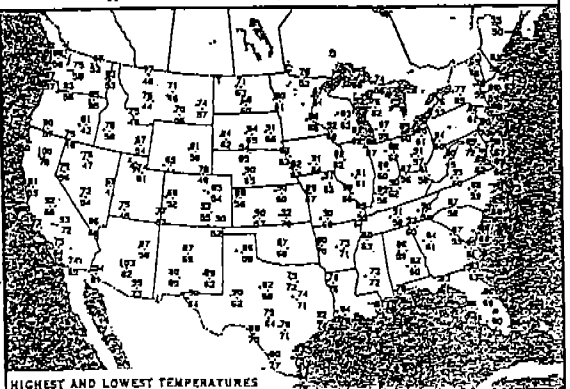
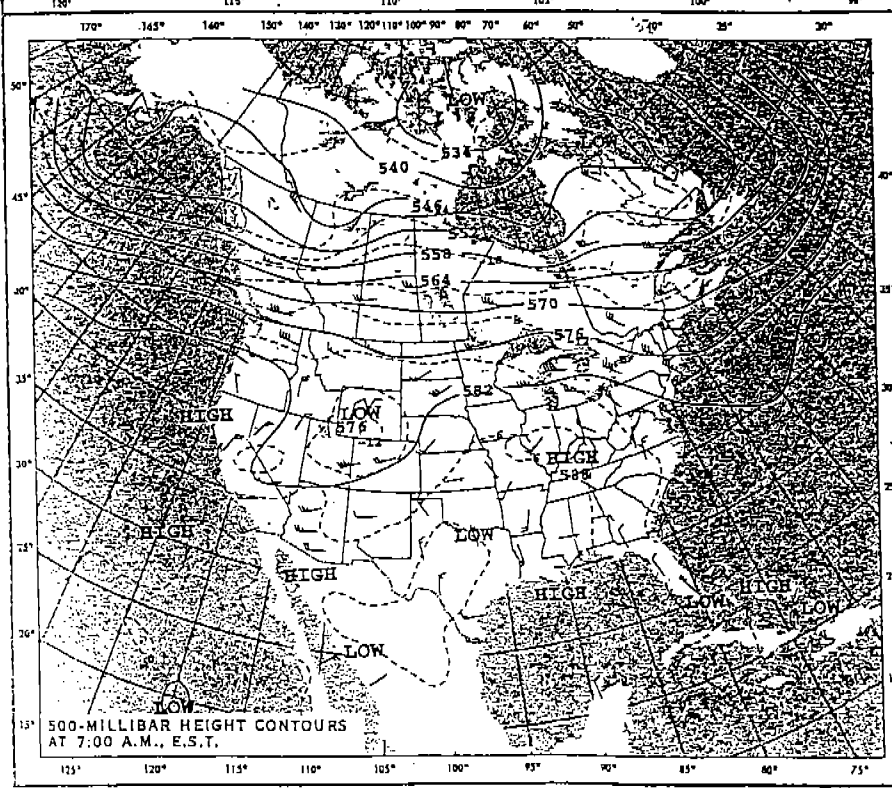
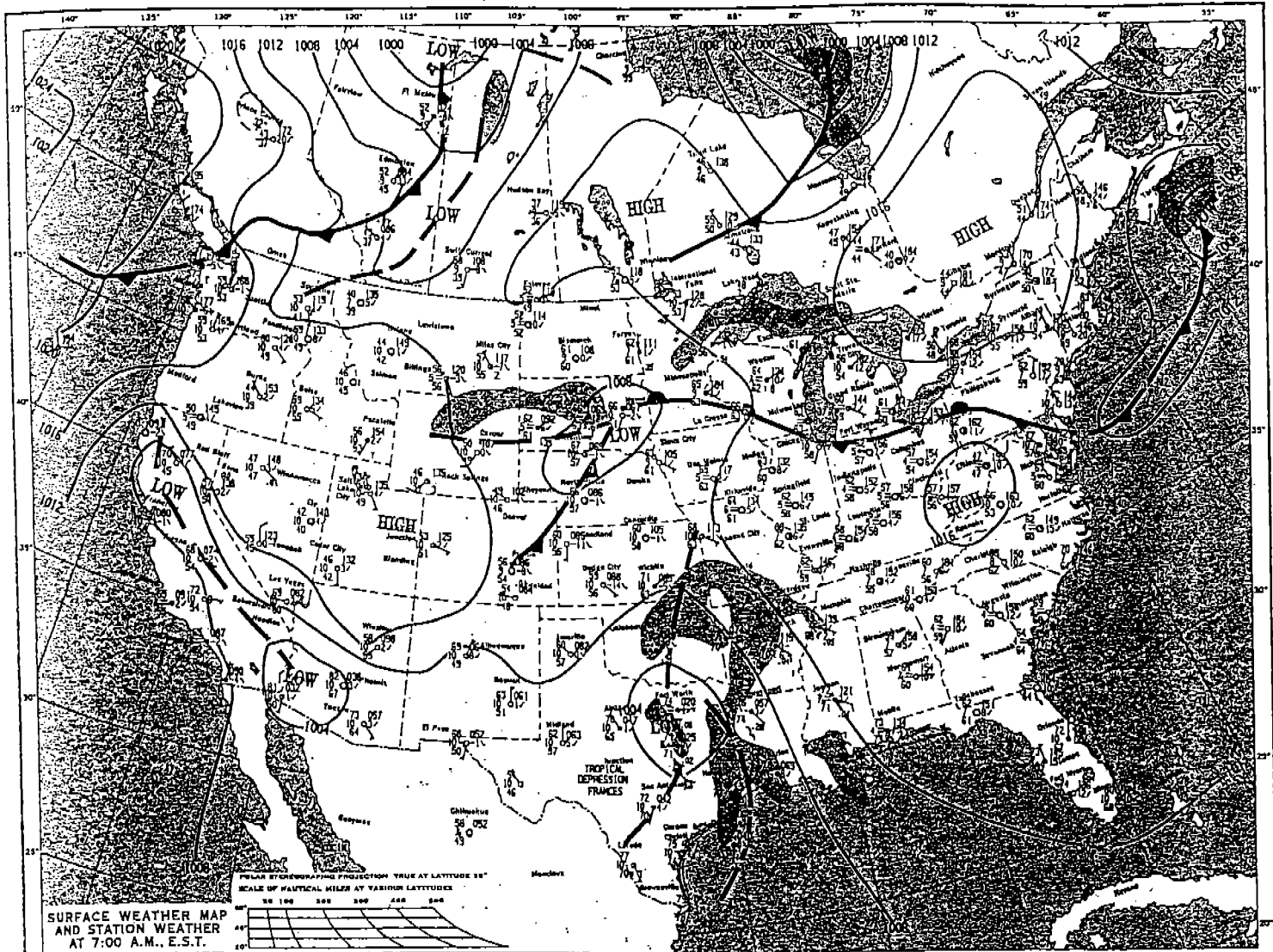
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Backward Trajectories Ending- 20 UTC 13 SEP 98

Source Location * at 34.95 N 77.96 W





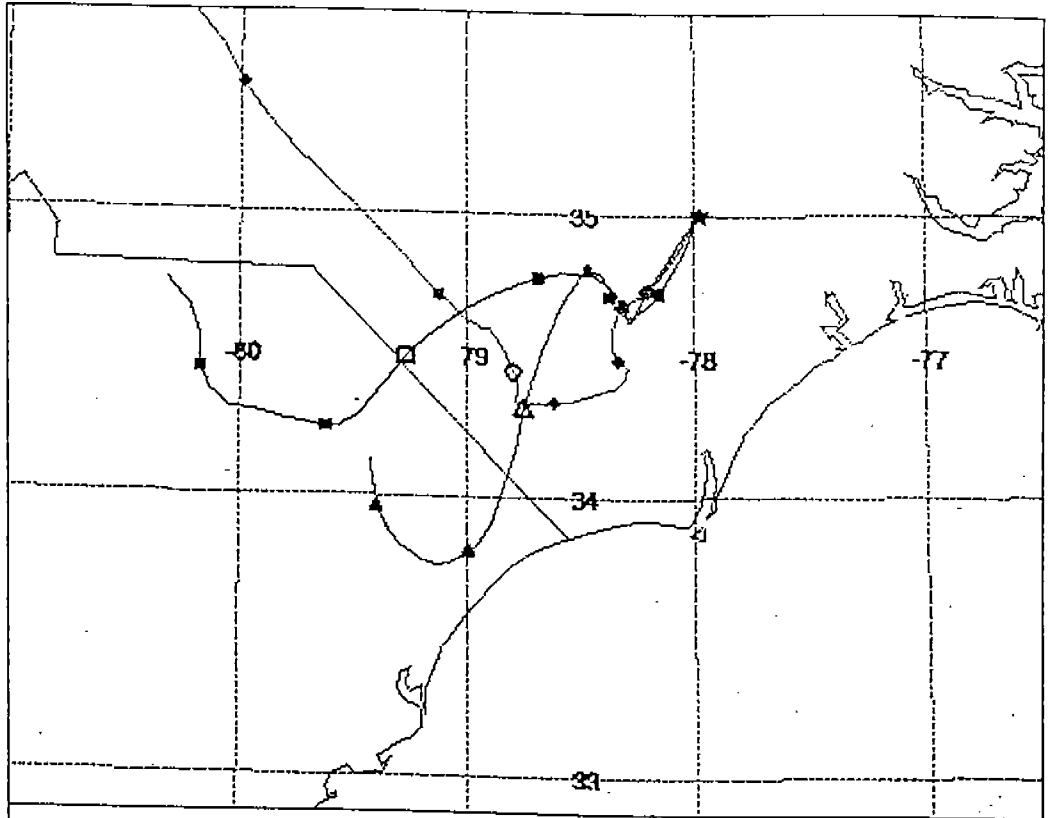


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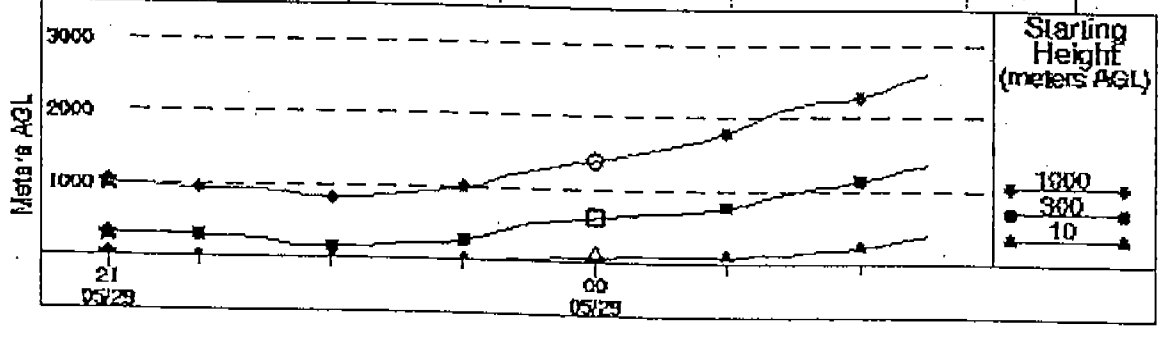
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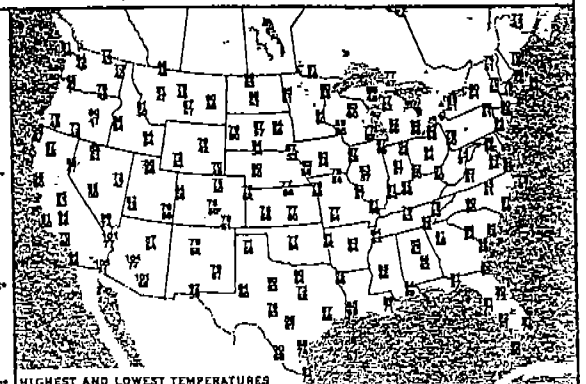
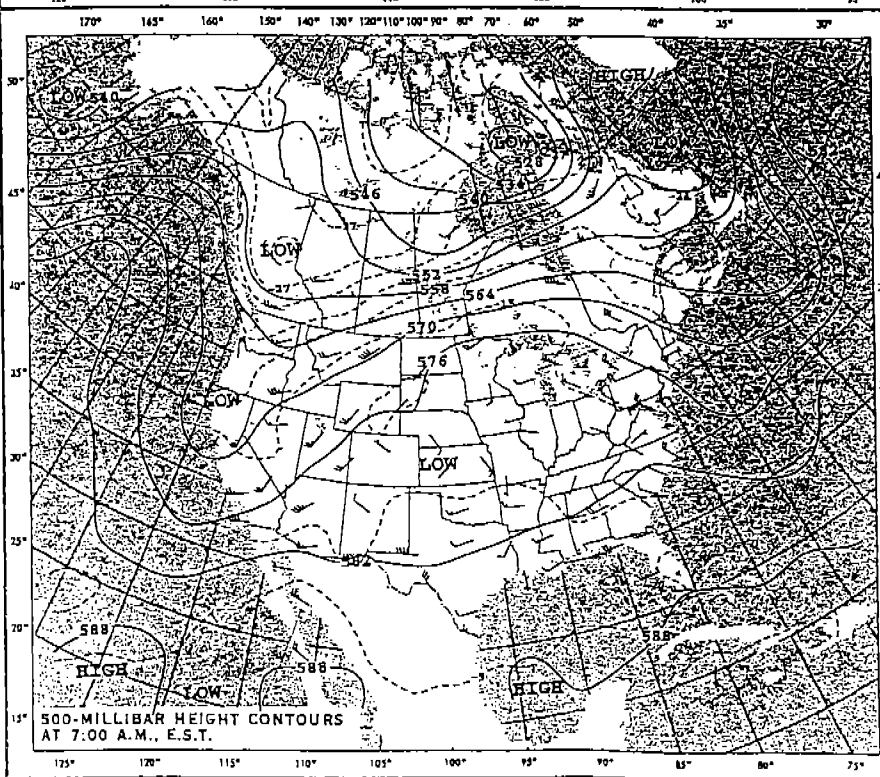
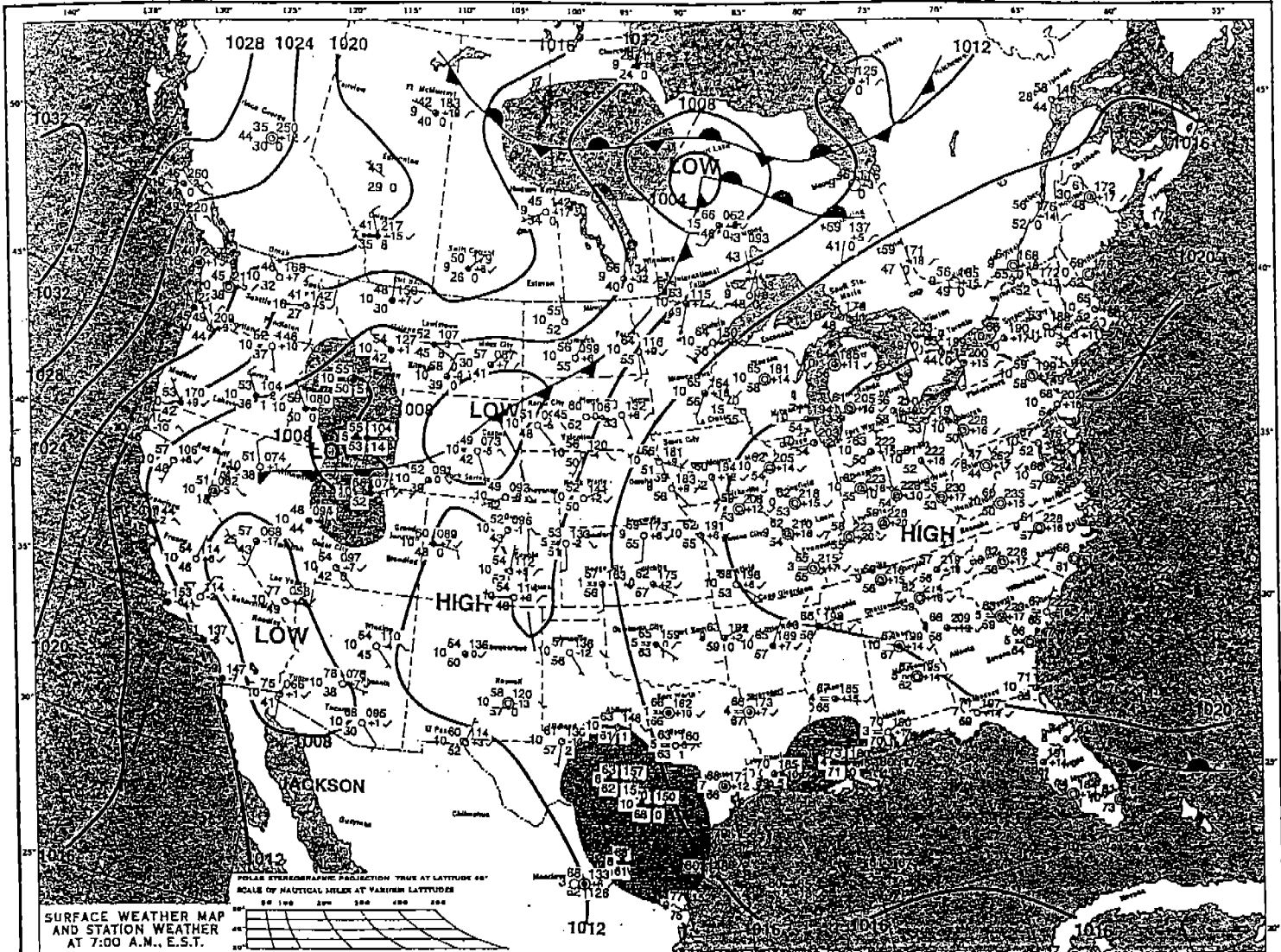
Backward Trajectories Ending- 21 UTC 29 MAY 99

Source Location * at 35.00 N 77.98 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





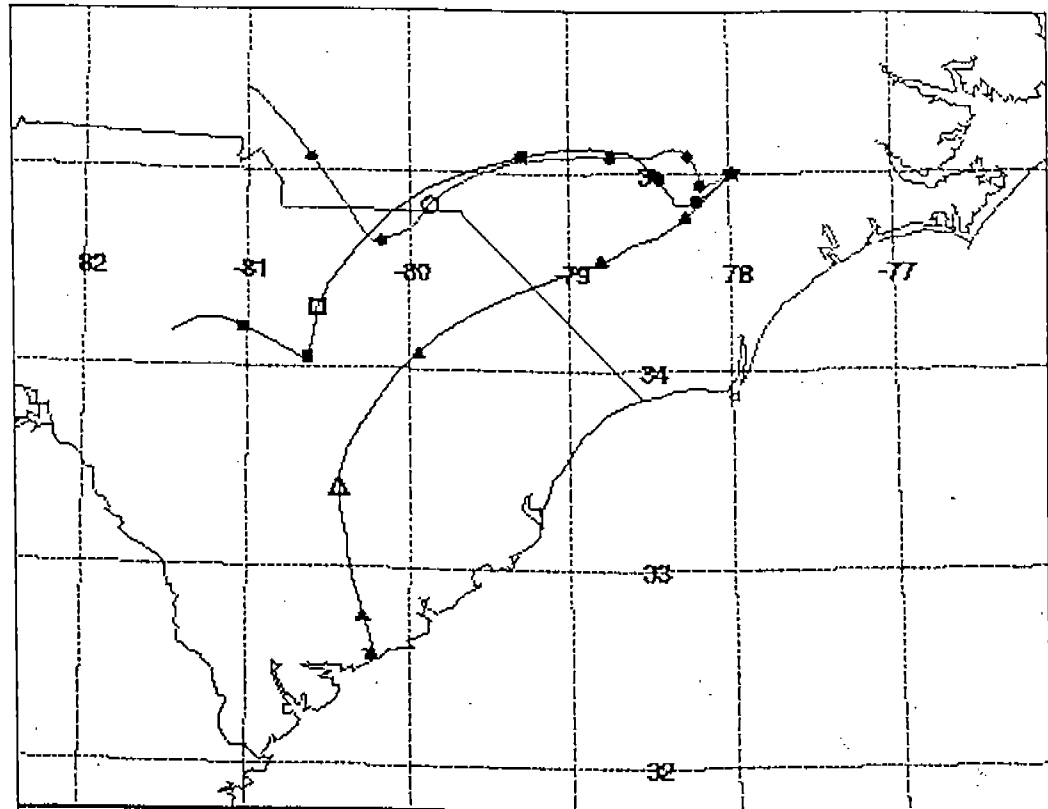


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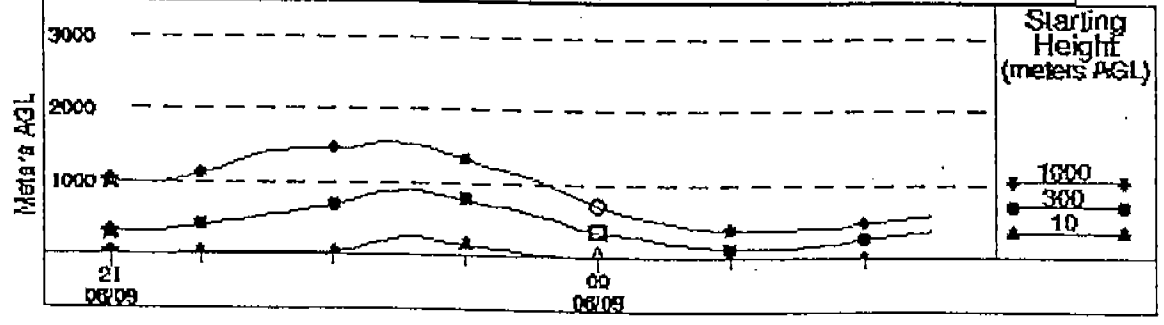
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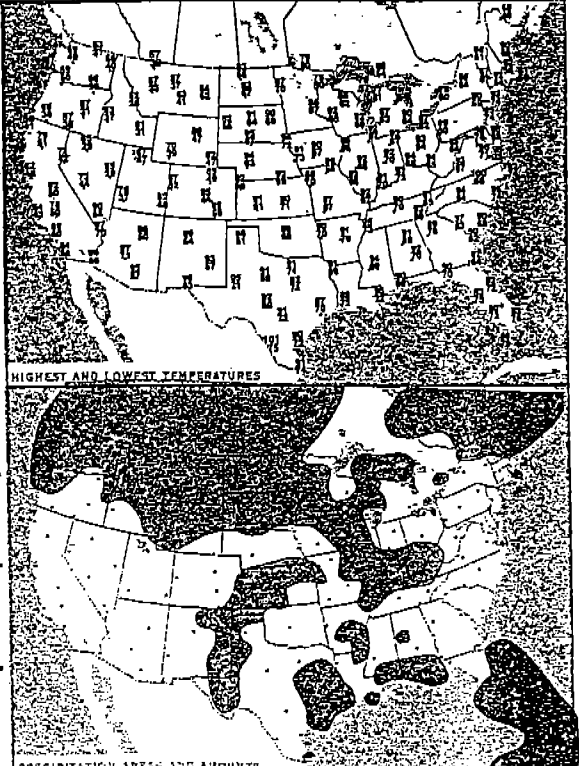
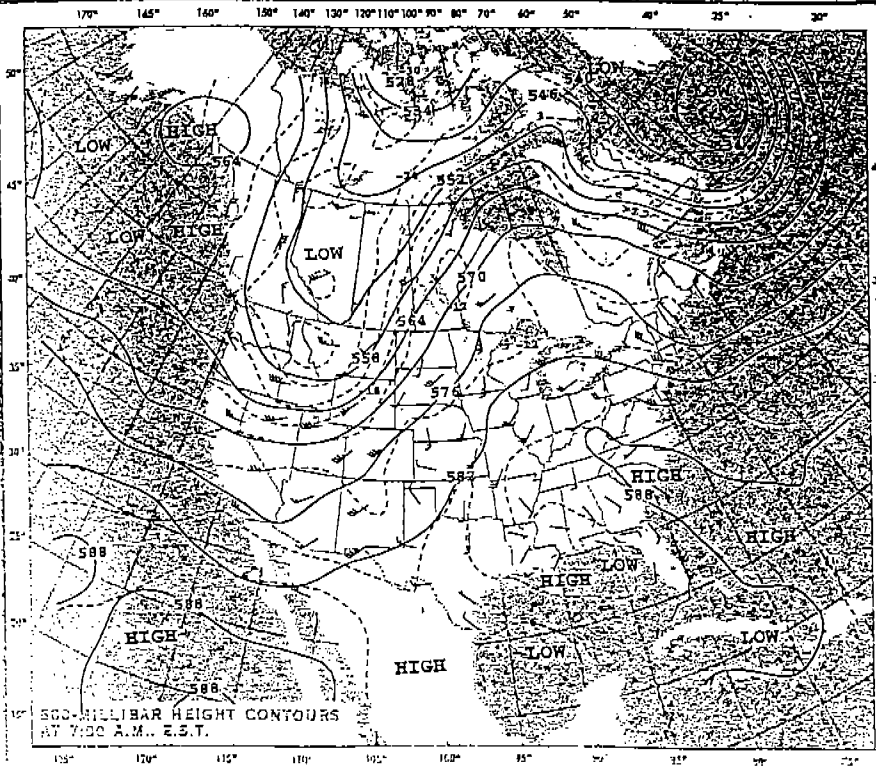
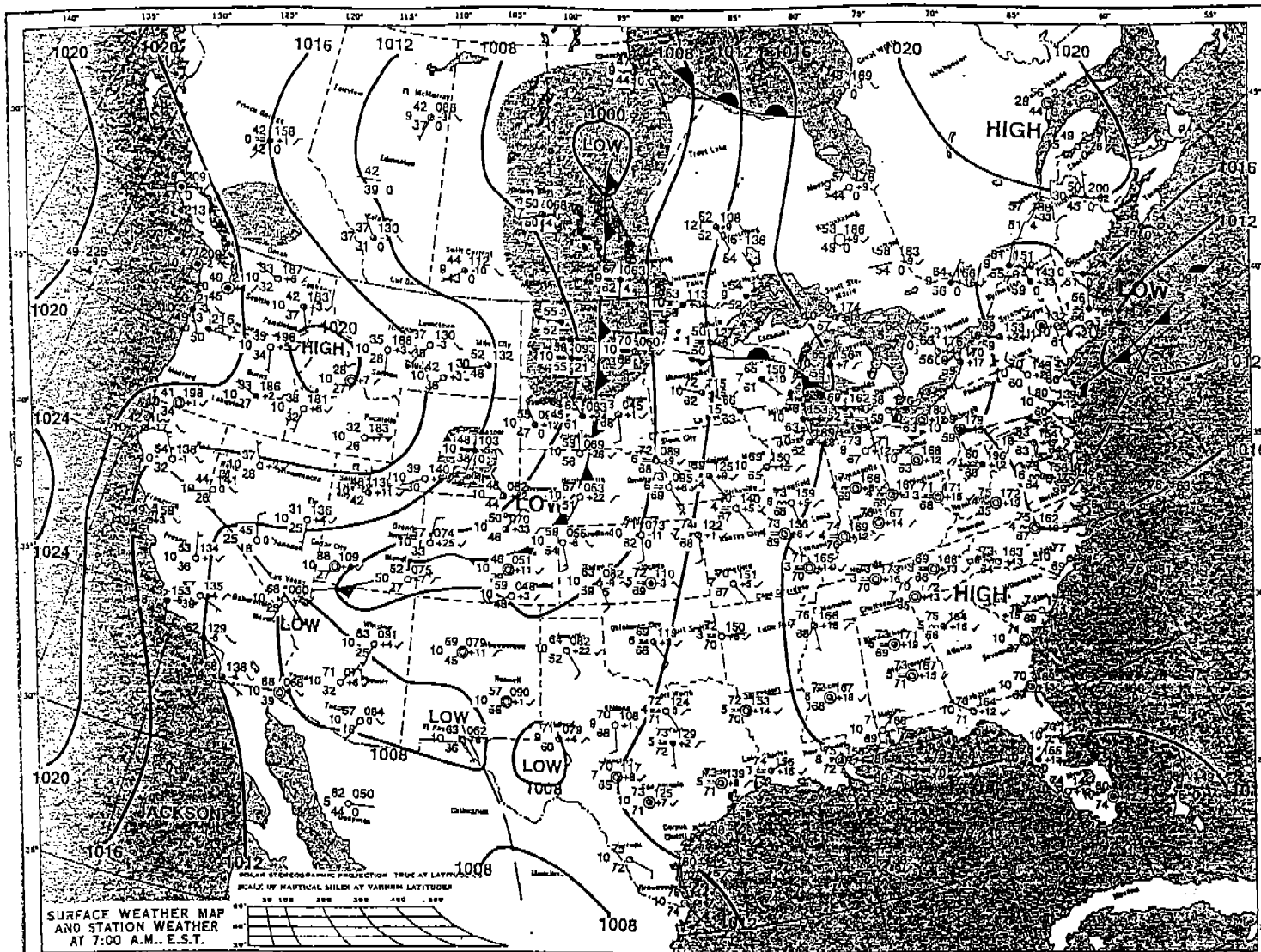
Backward Trajectories Ending- 21 UTC 09 JUN 99

Source Location * at 35.00 N 77.88 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





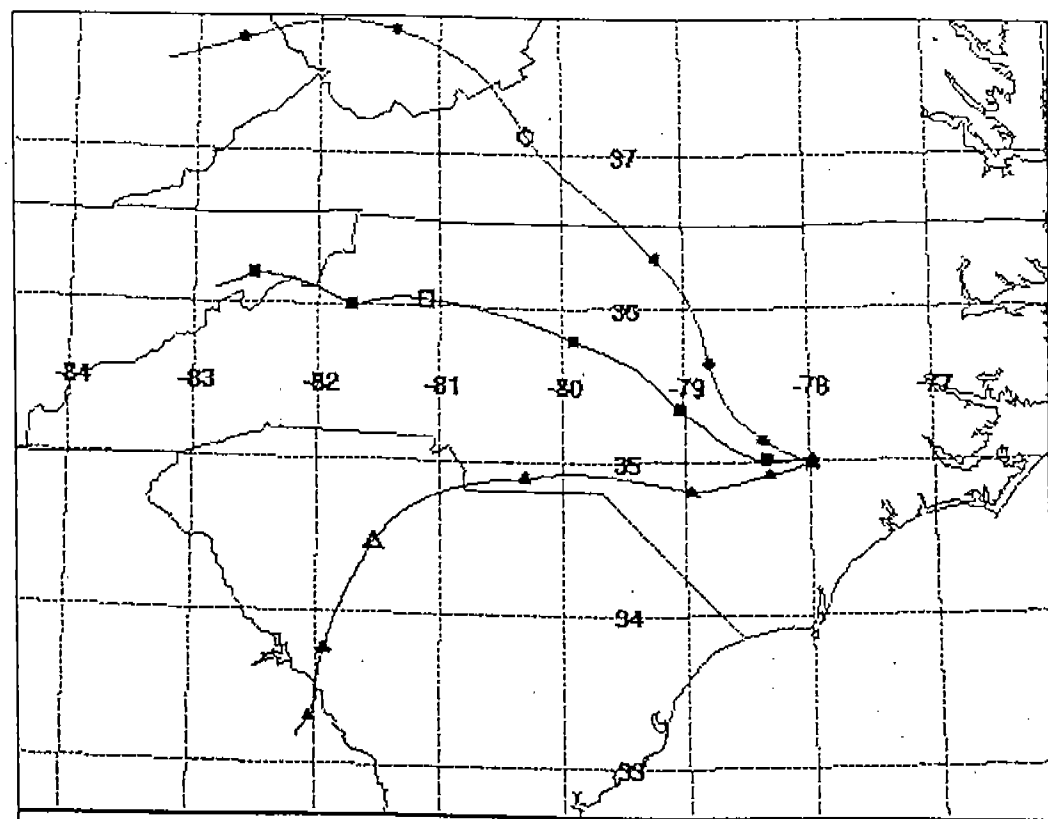


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Backward Trajectories Ending- 21 UTC 20 JUL 99

Source Location * at 35.00 N 77.98 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA

