

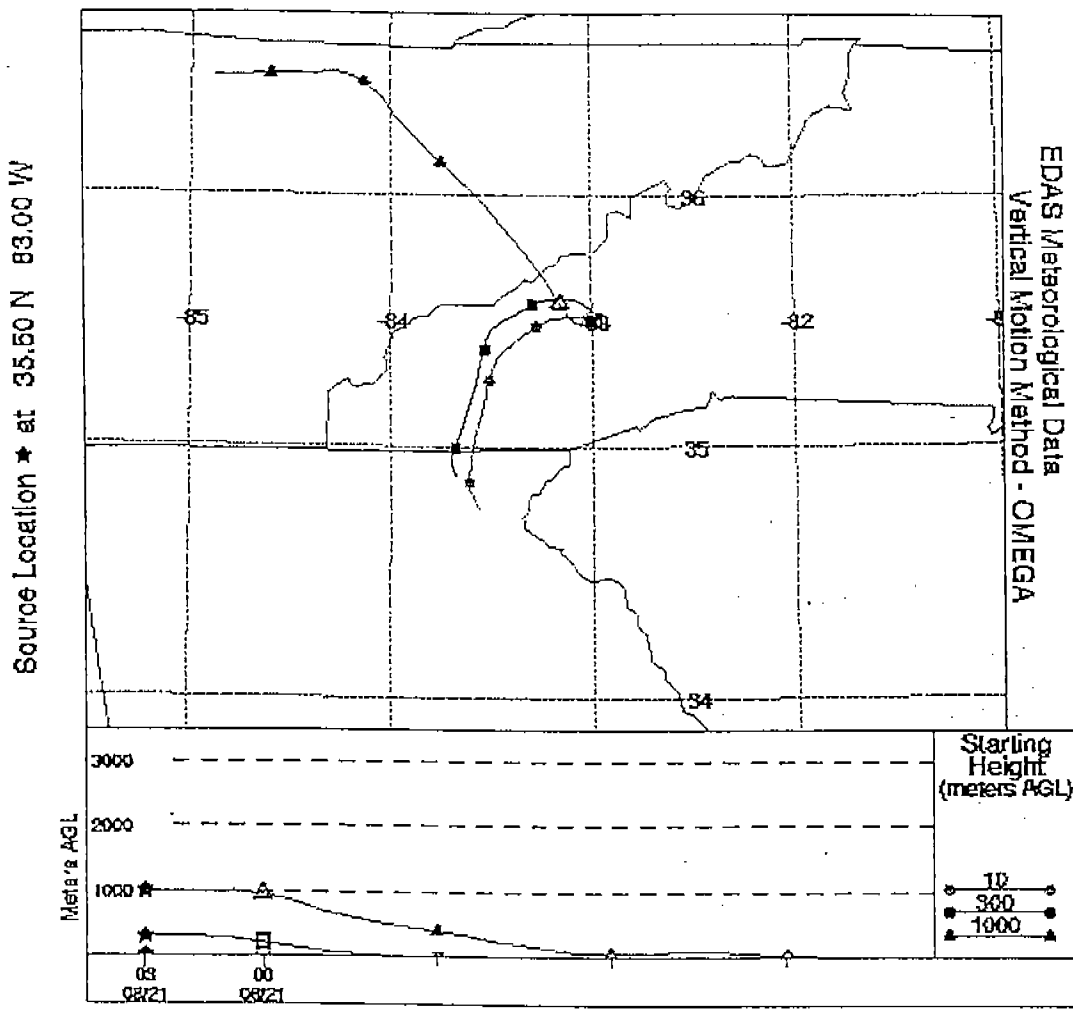
US EPA ARCHIVE DOCUMENT



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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending 03 UTC 21 AUG 99

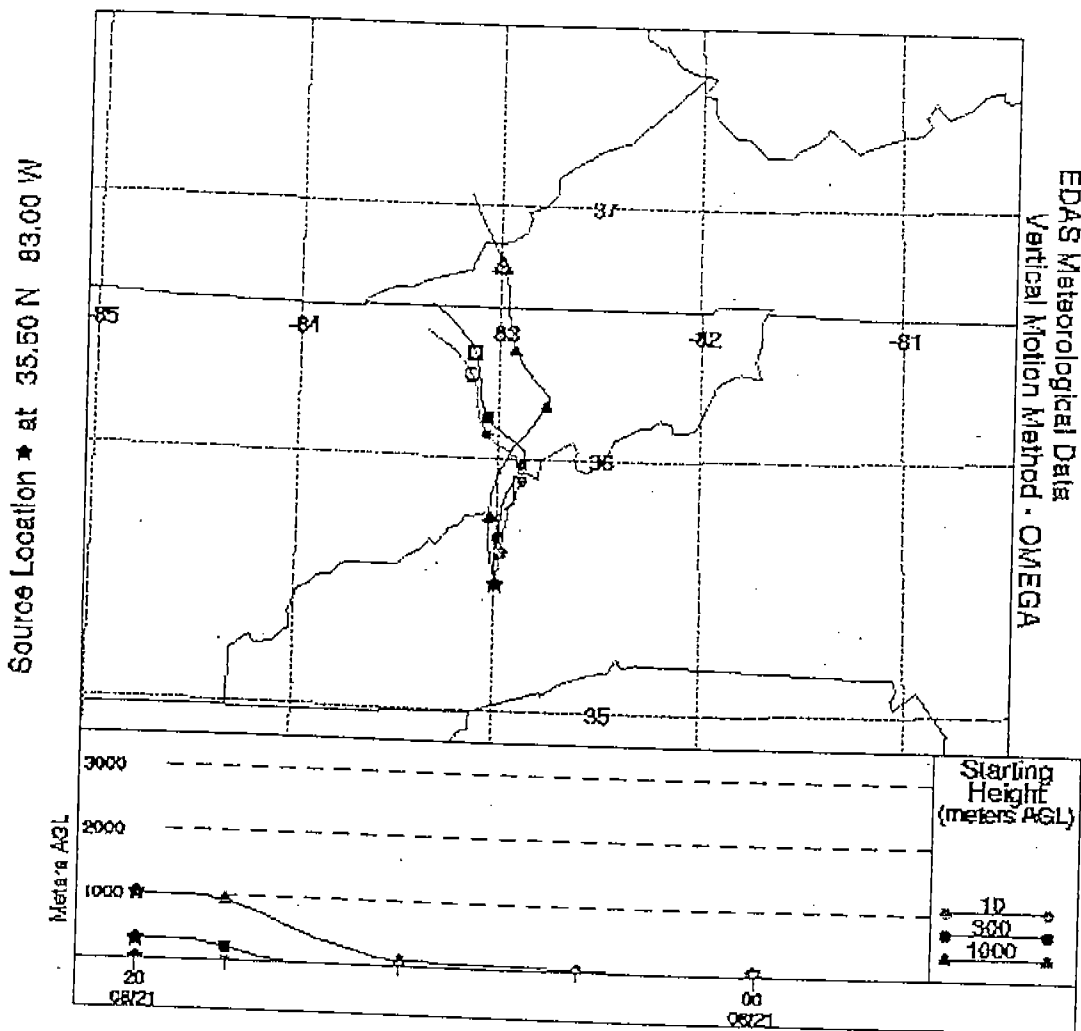




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 21 AUG 99

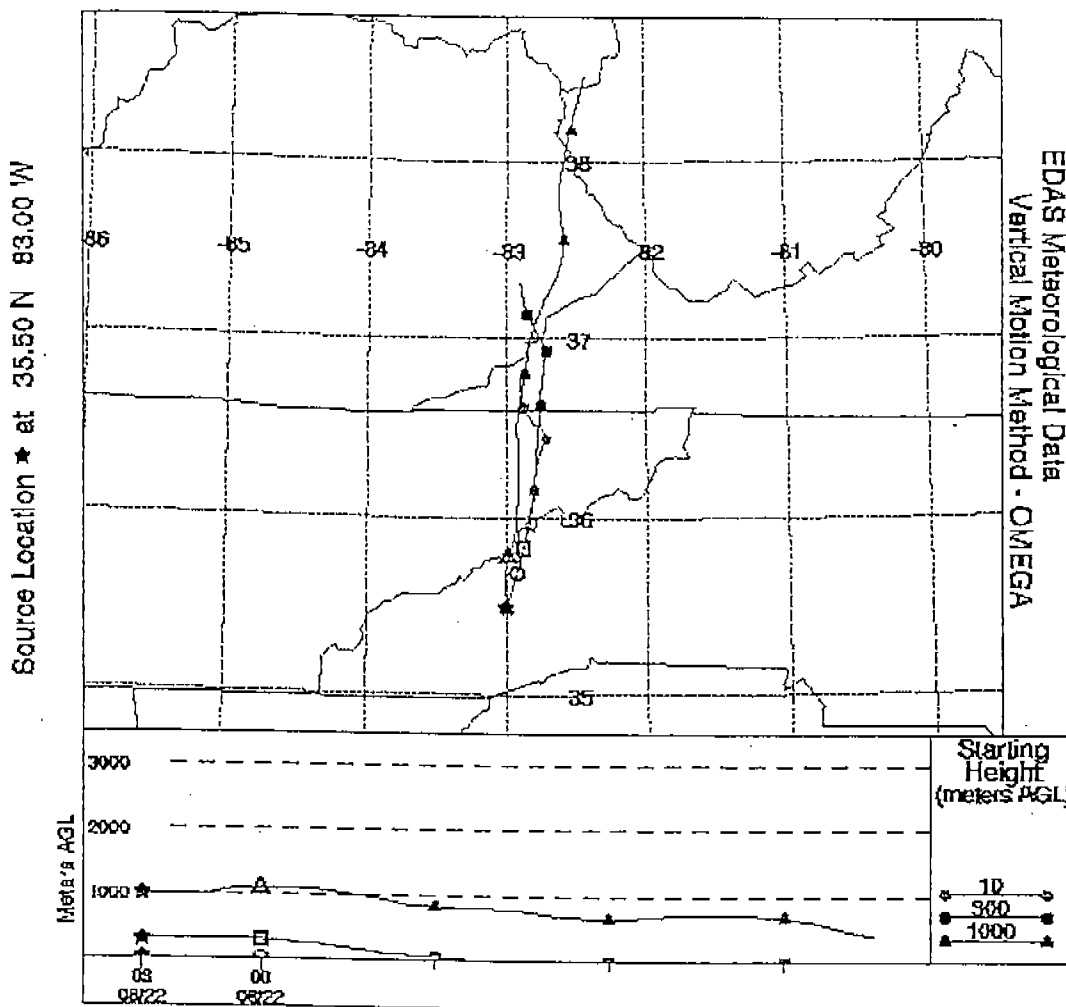




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 Backward Trajectories Ending- 03 UTC 22 AUG 99

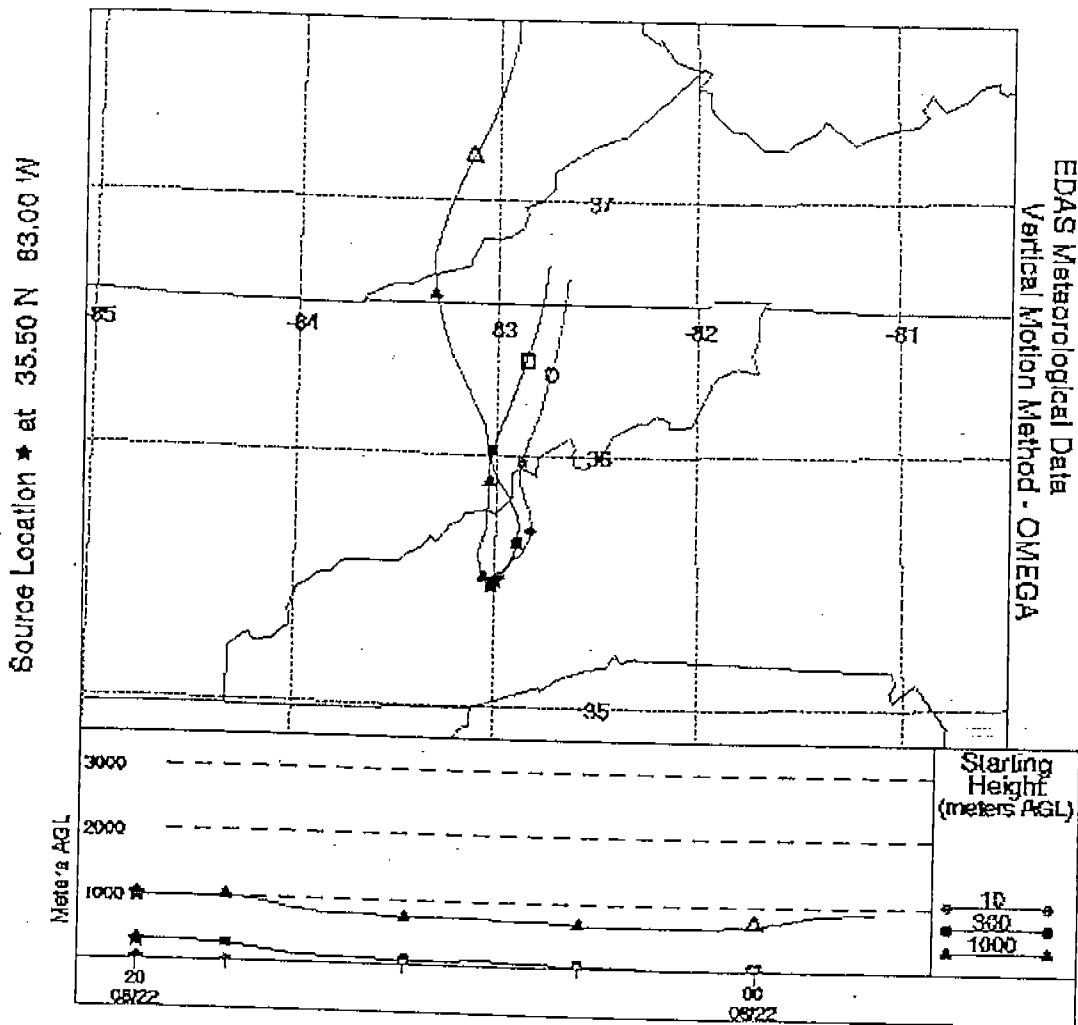




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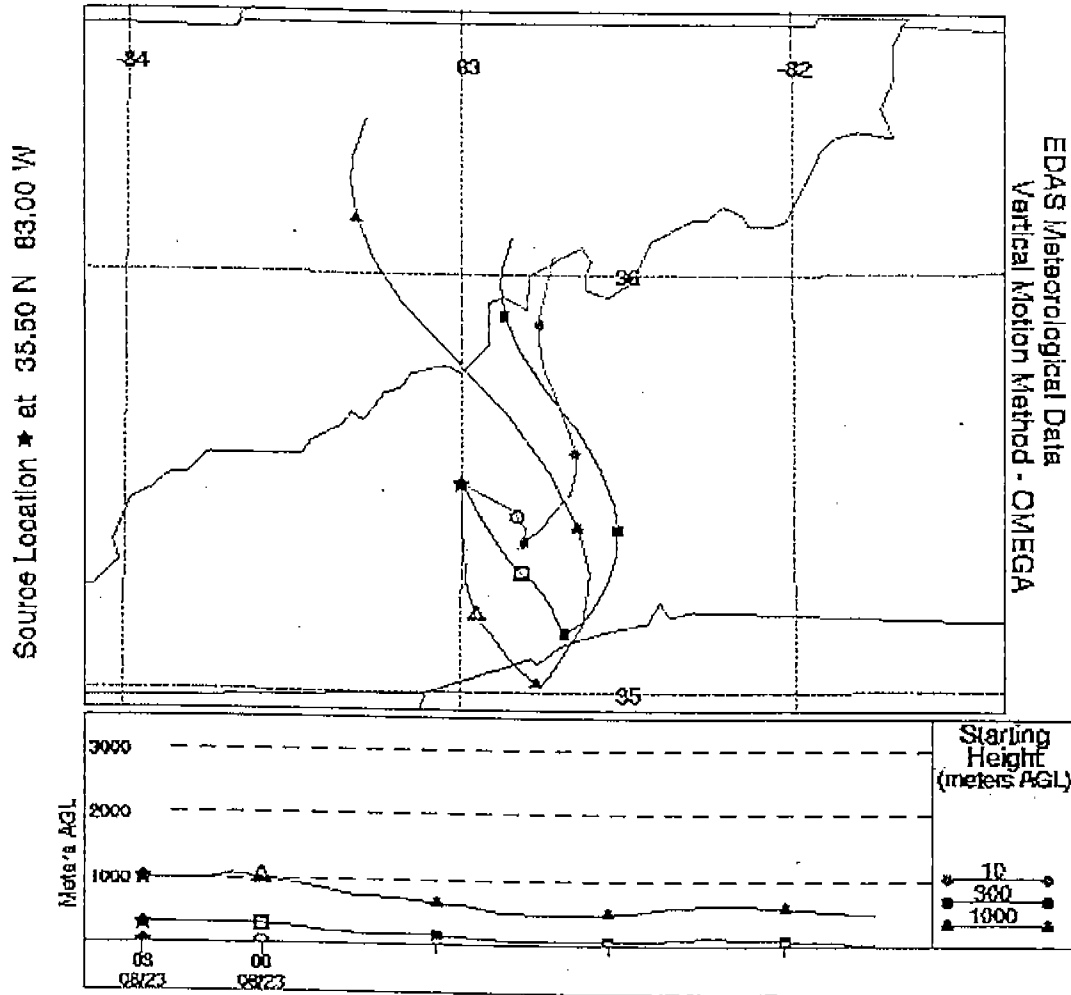




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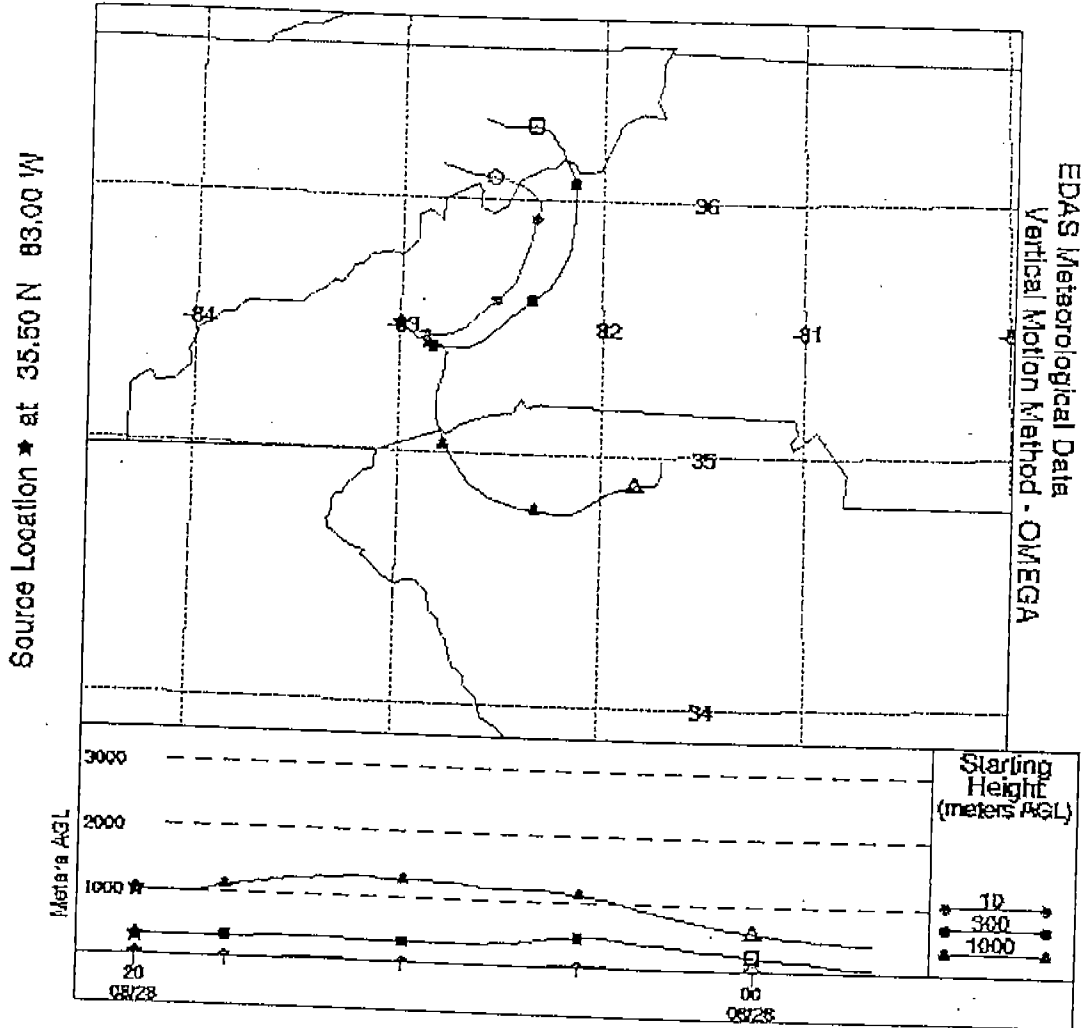




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending 20 UTC 28 AUG 99

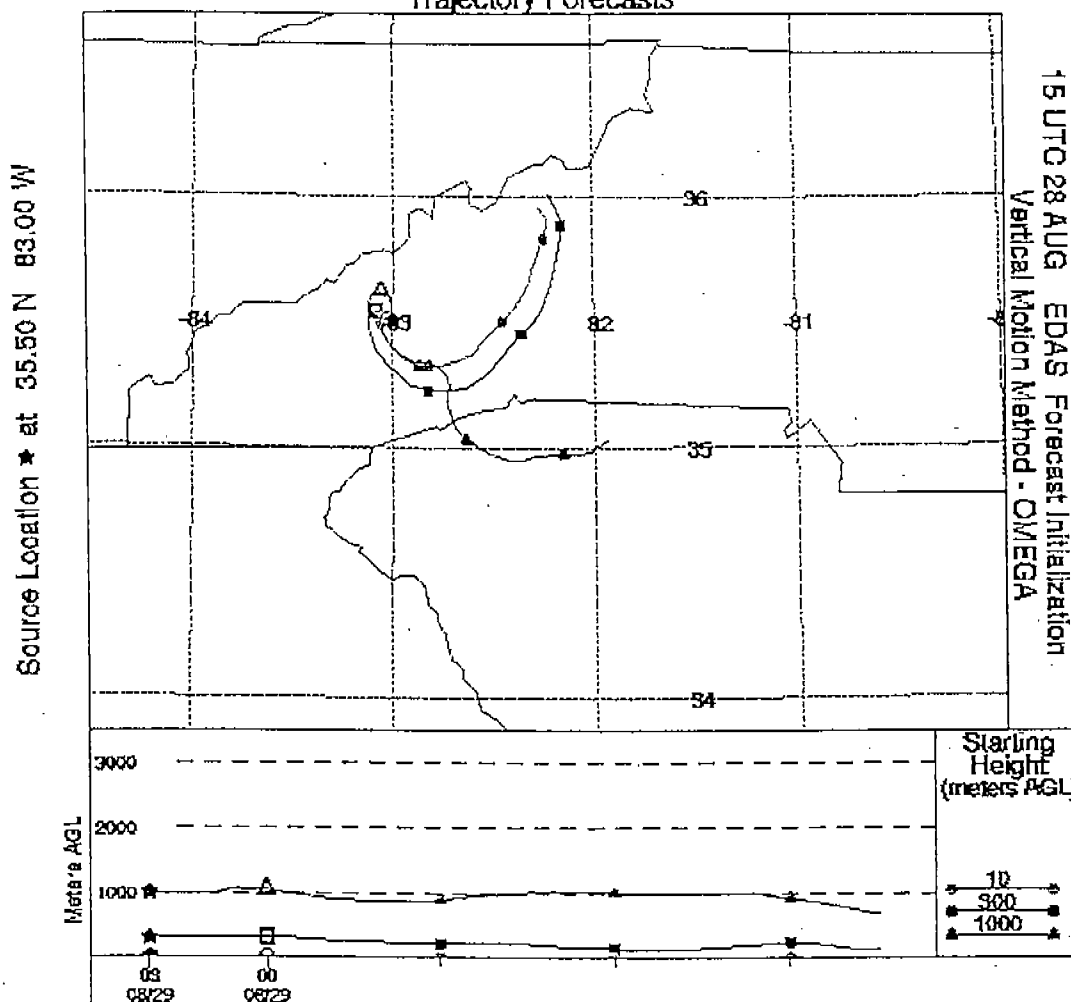




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 03 UTC 29 AUG 99 Trajectory Forecasts

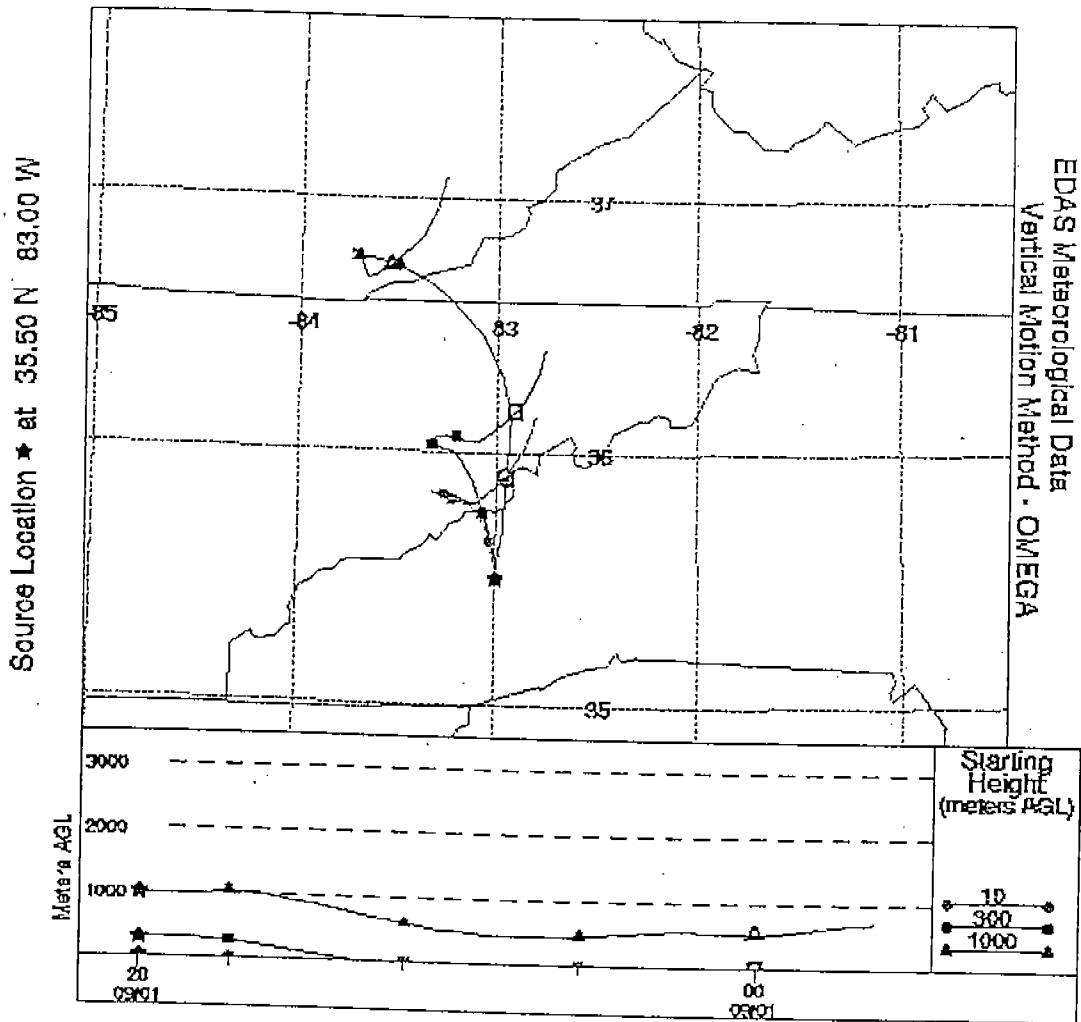




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 01 SEP 99

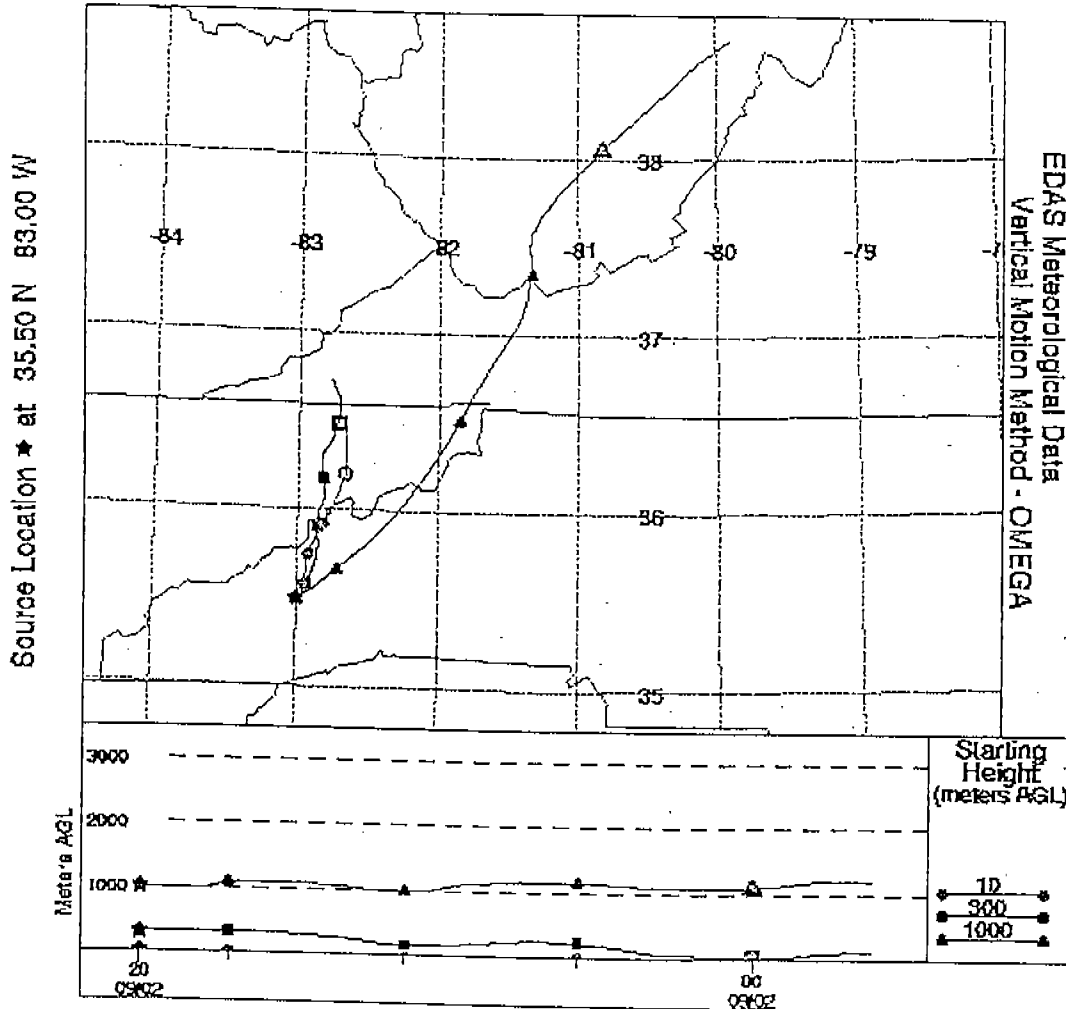




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 02 SEP 99





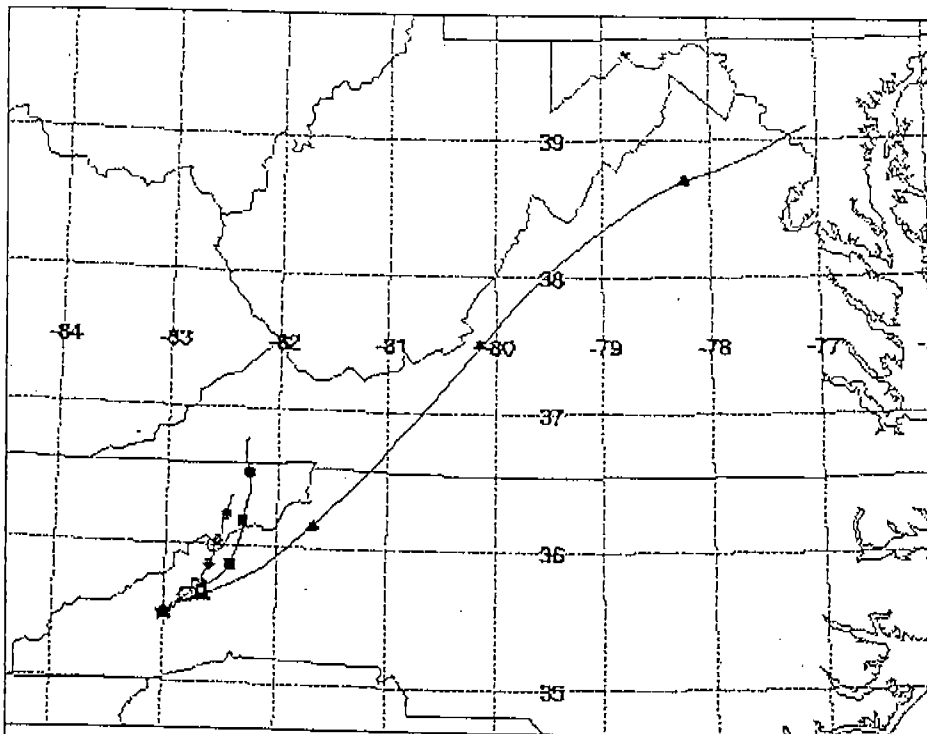
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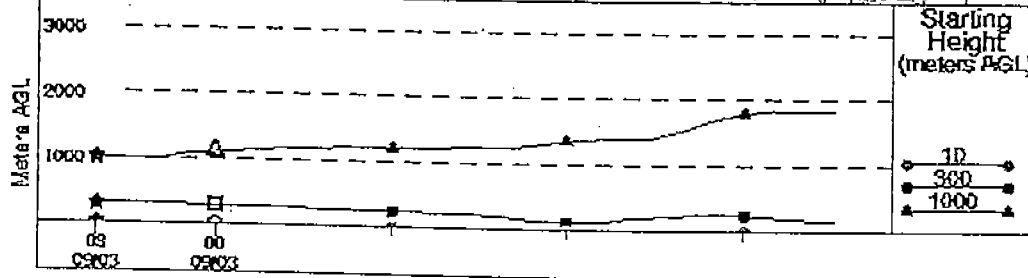
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending 03 UTC 03 SEP 99

Source Location * at 35.50 N 83.00 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA

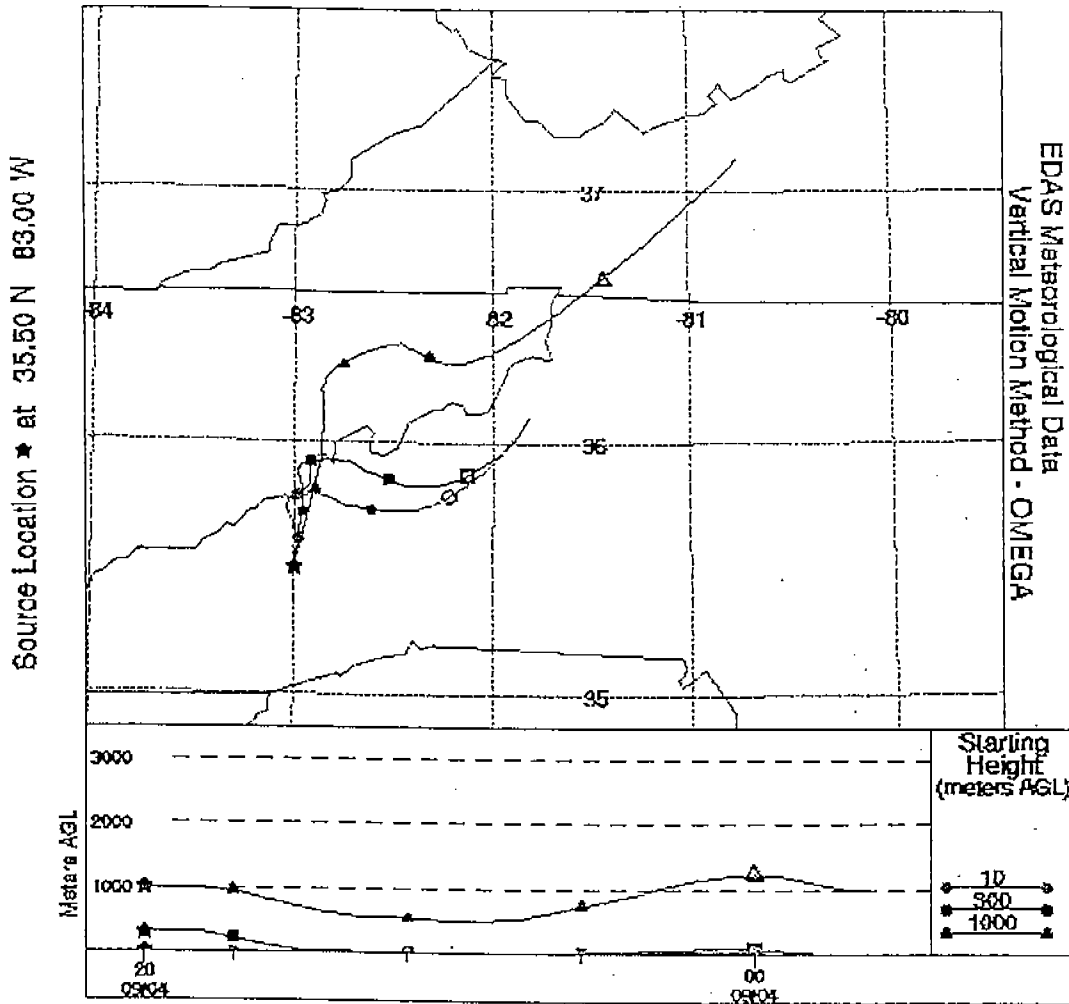




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NOAA AIR RESOURCES LABORATORY
Backward Trajectories Ending- 20 UTC 04 SEP 99

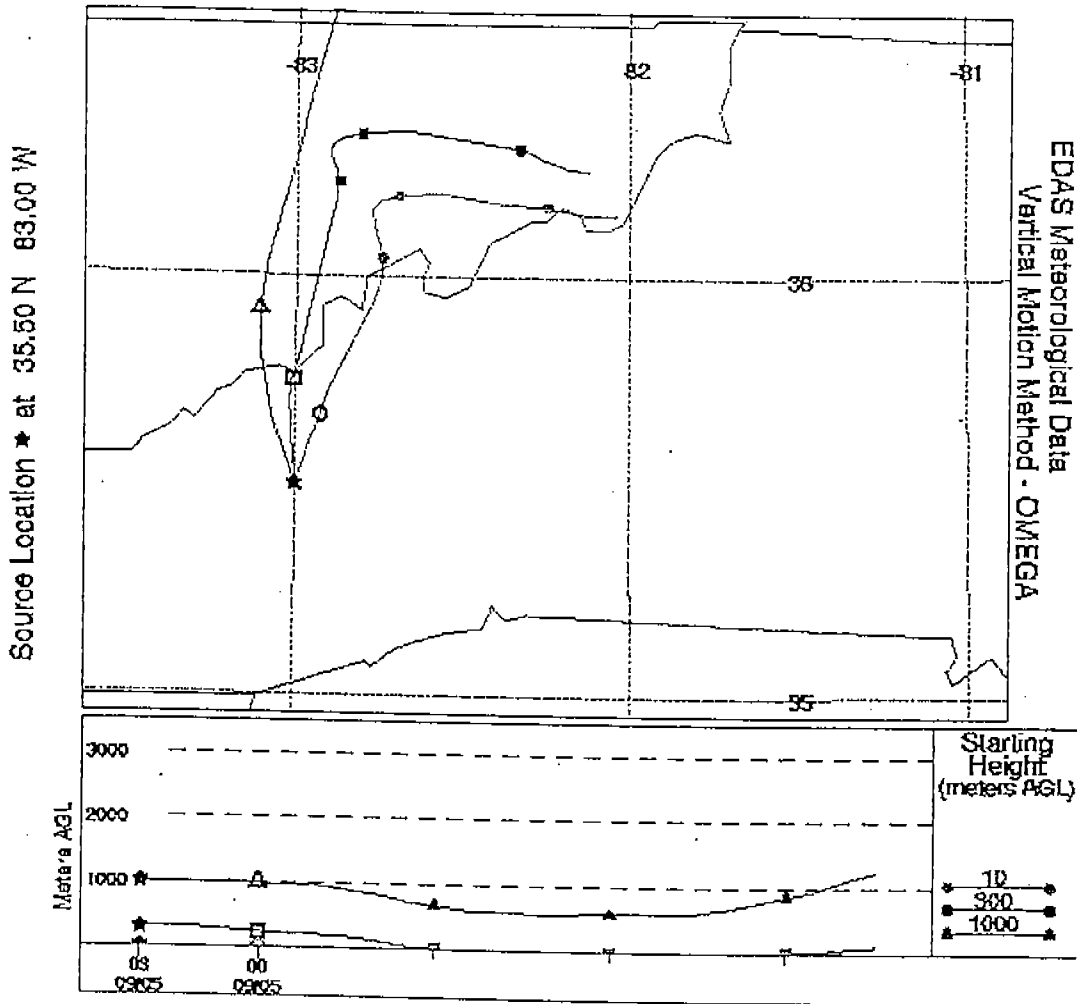




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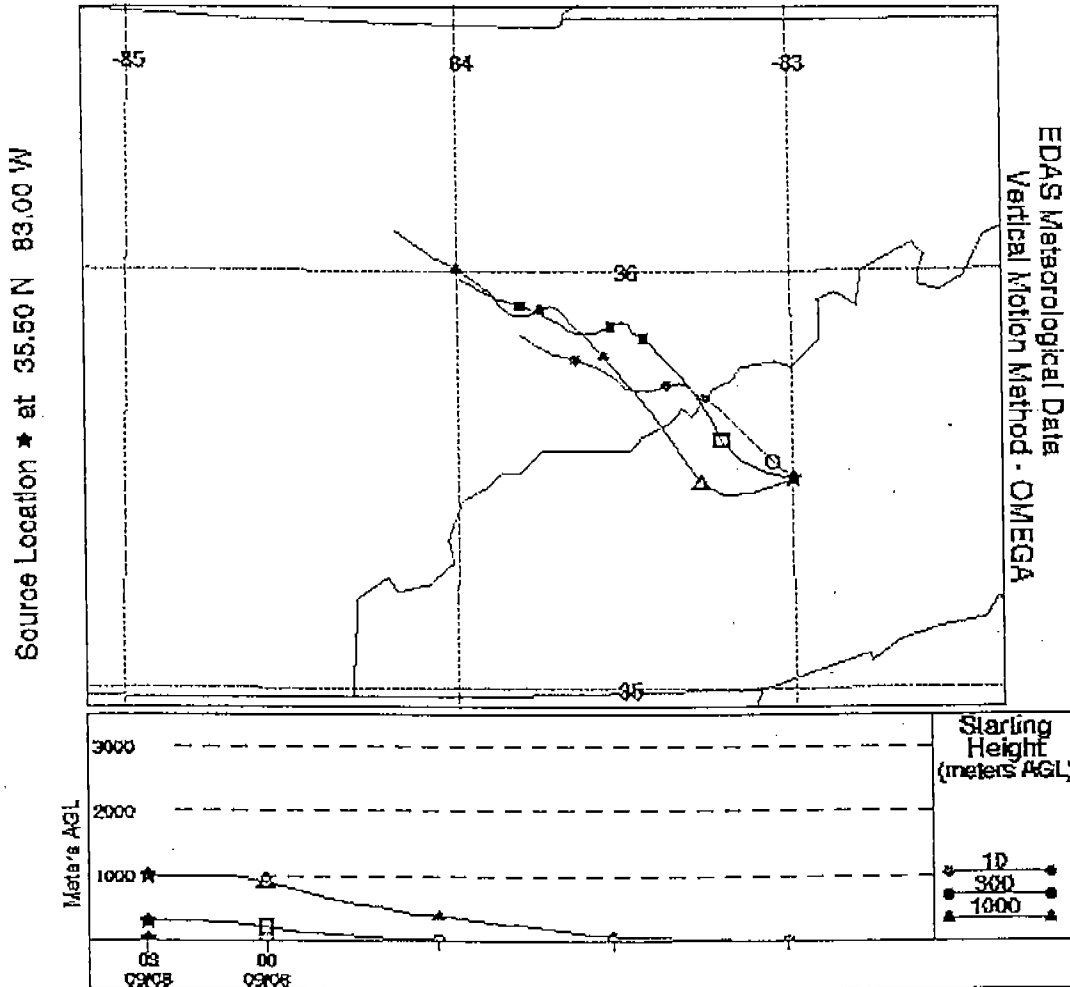




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NOAA AIR RESOURCES LABORATORY
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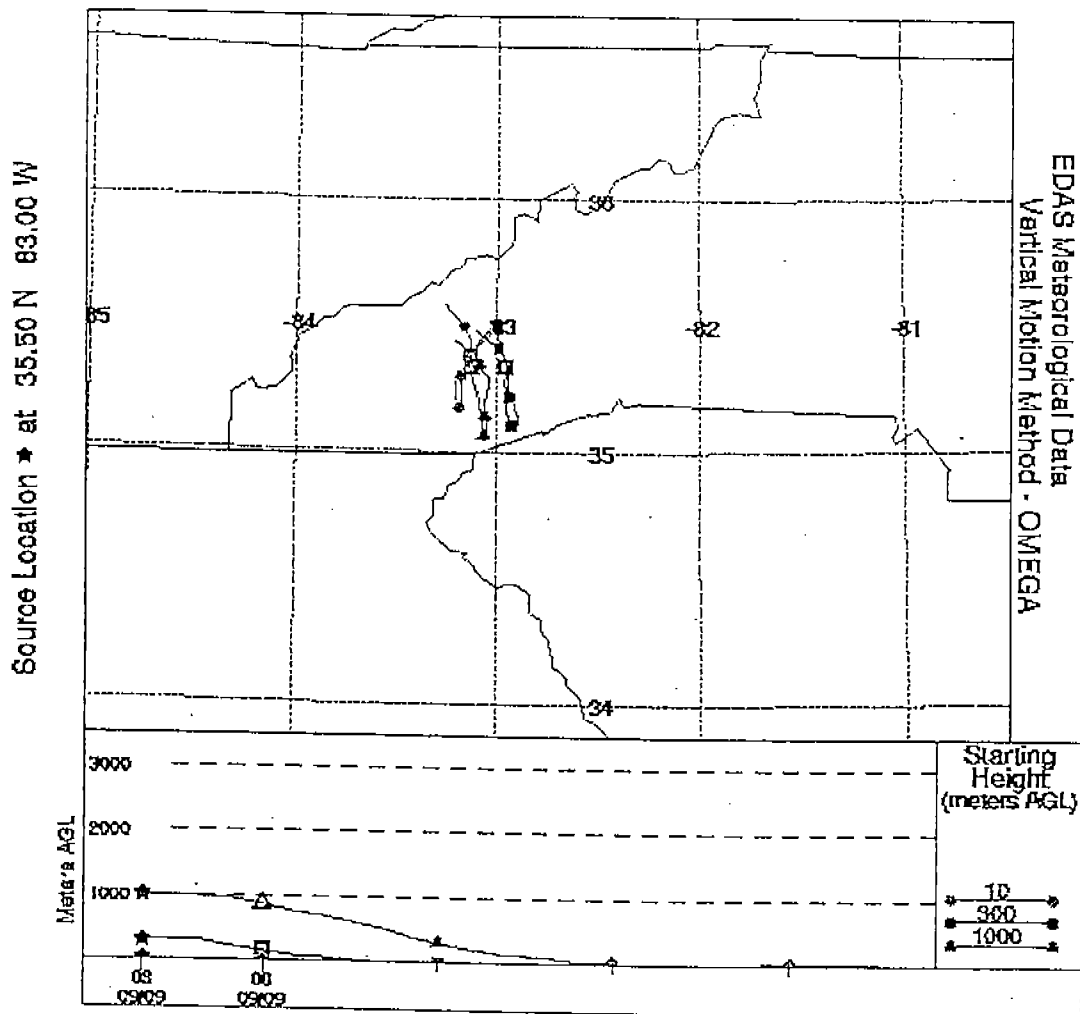




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 03 UTC 09 SEP 99

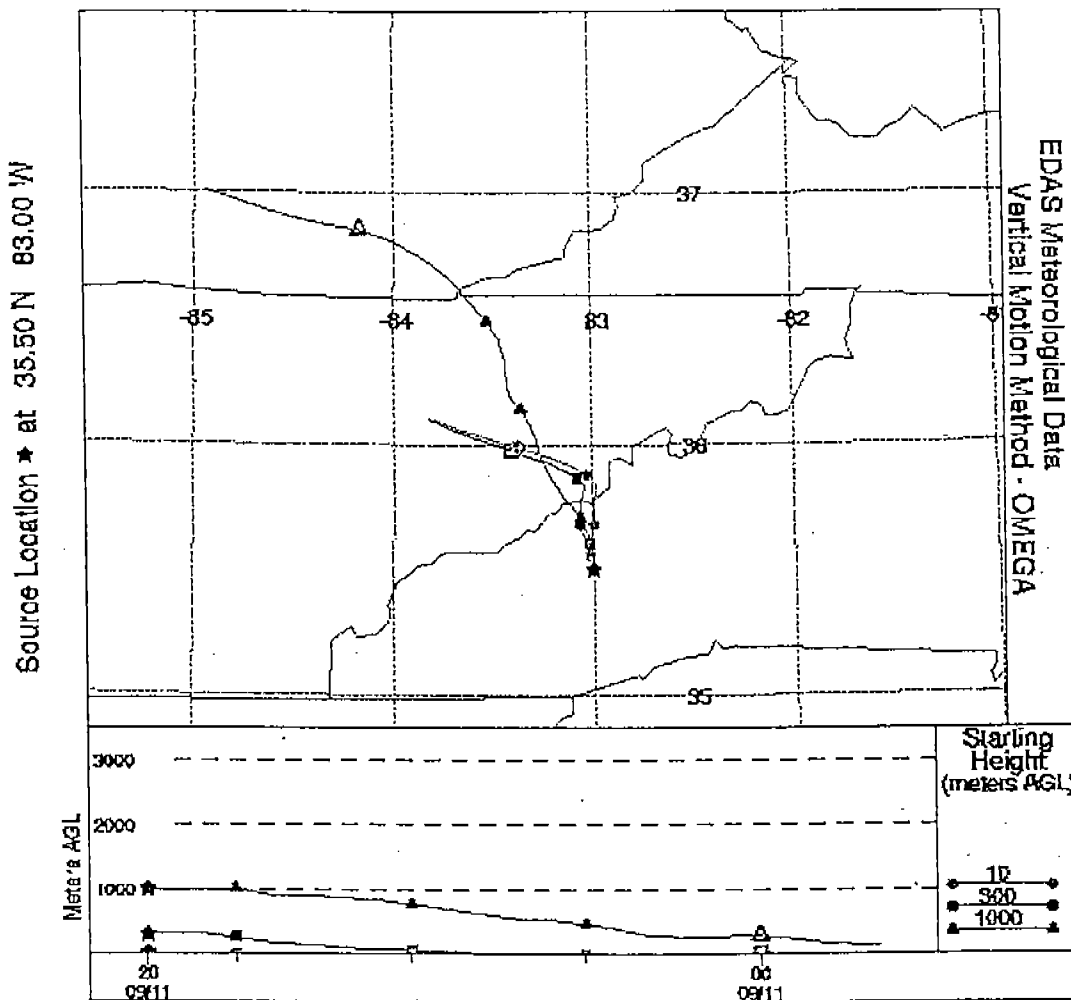




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NOAA AIR RESOURCES LABORATORY
Backward Trajectories Ending- 20 UTC 11 SEP 99

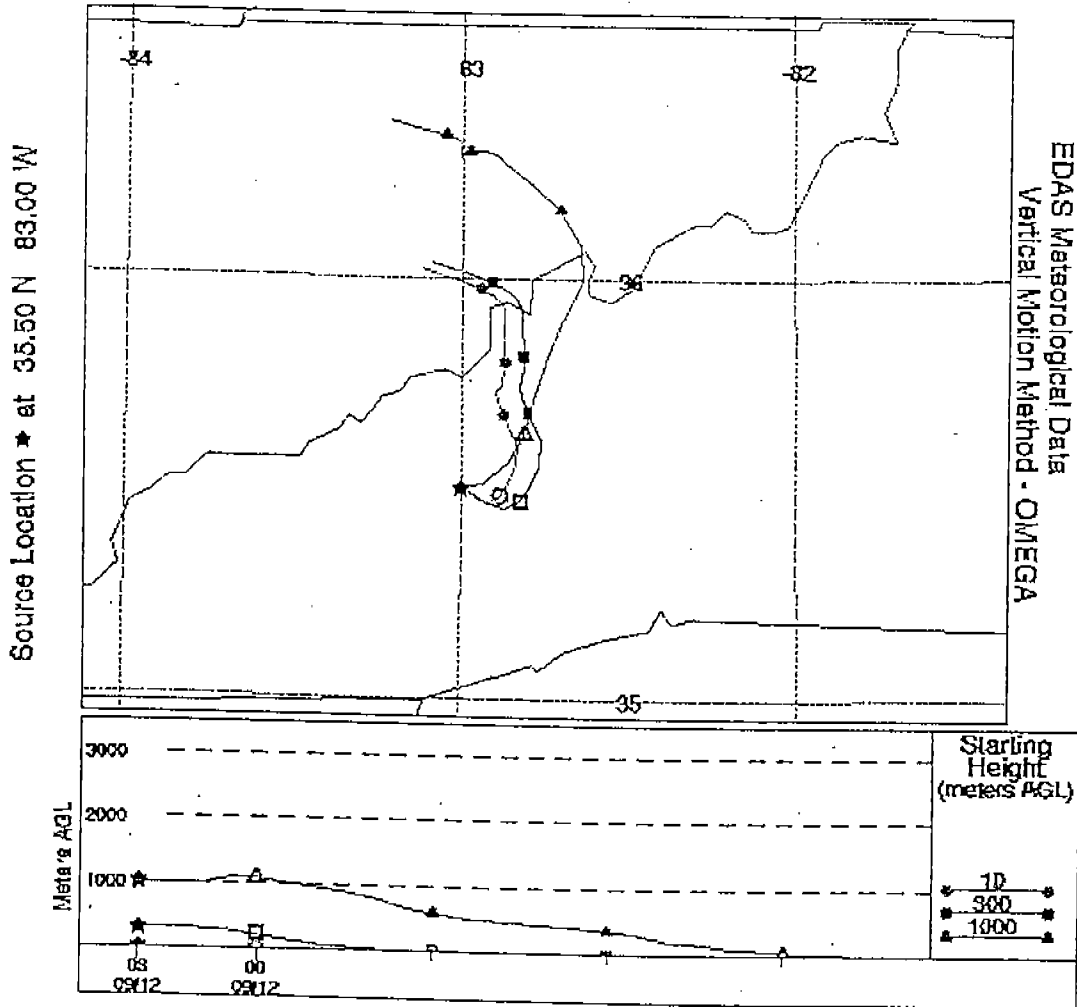




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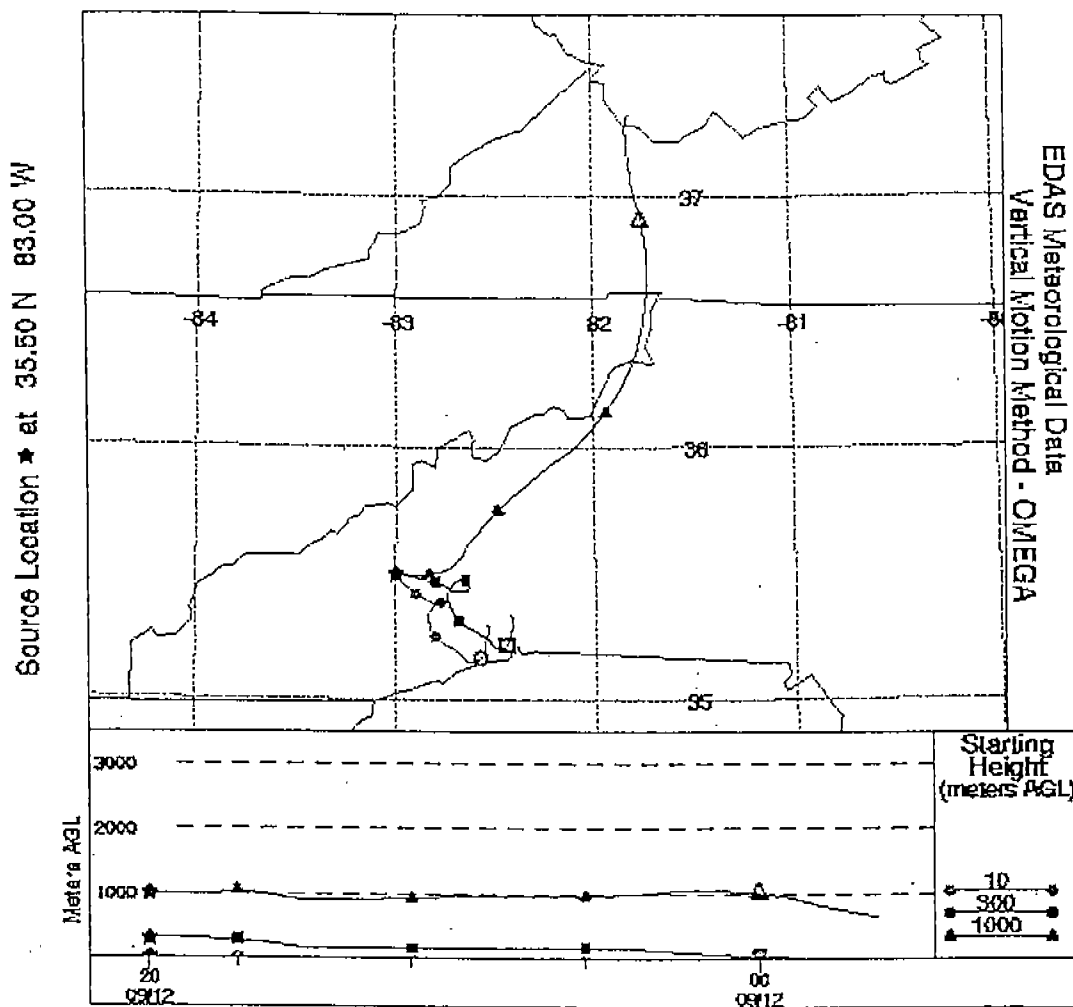




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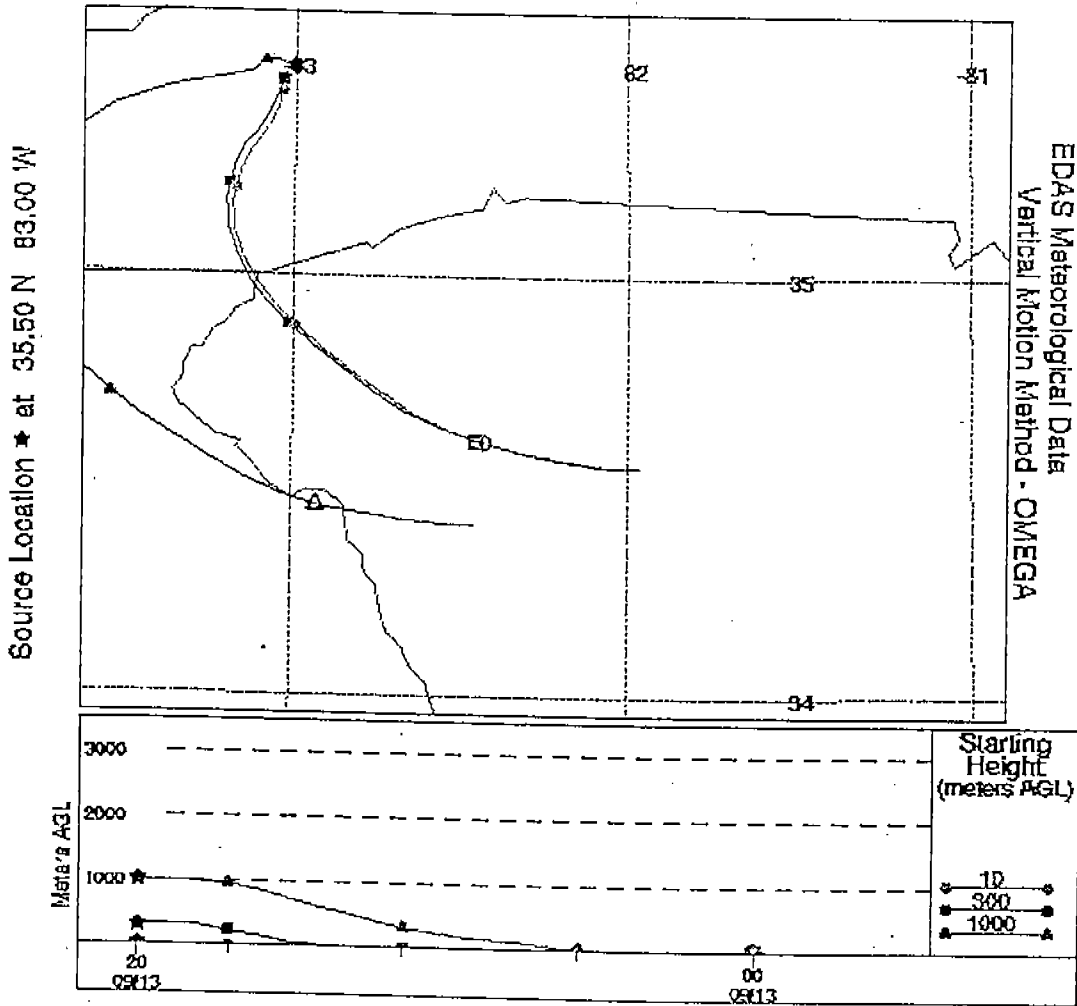




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 13 SEP 99

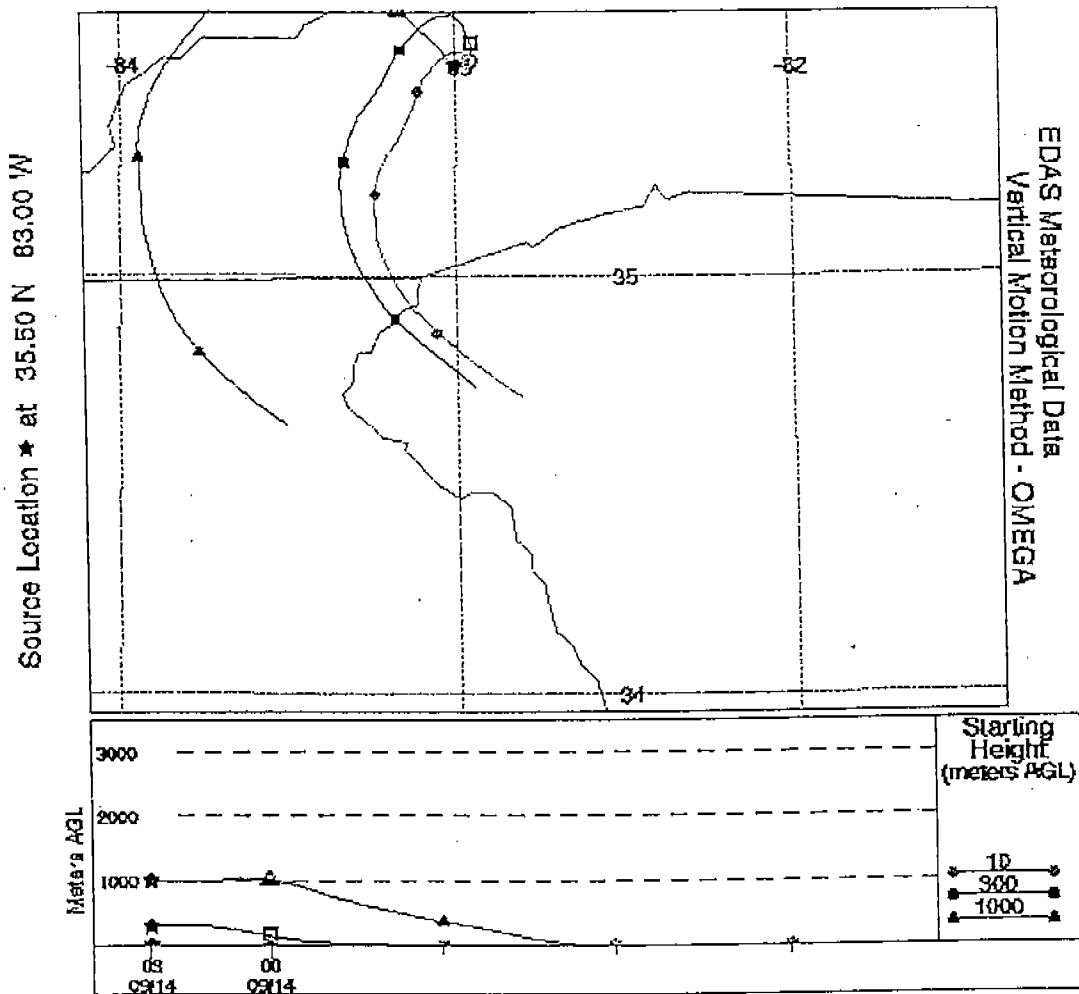




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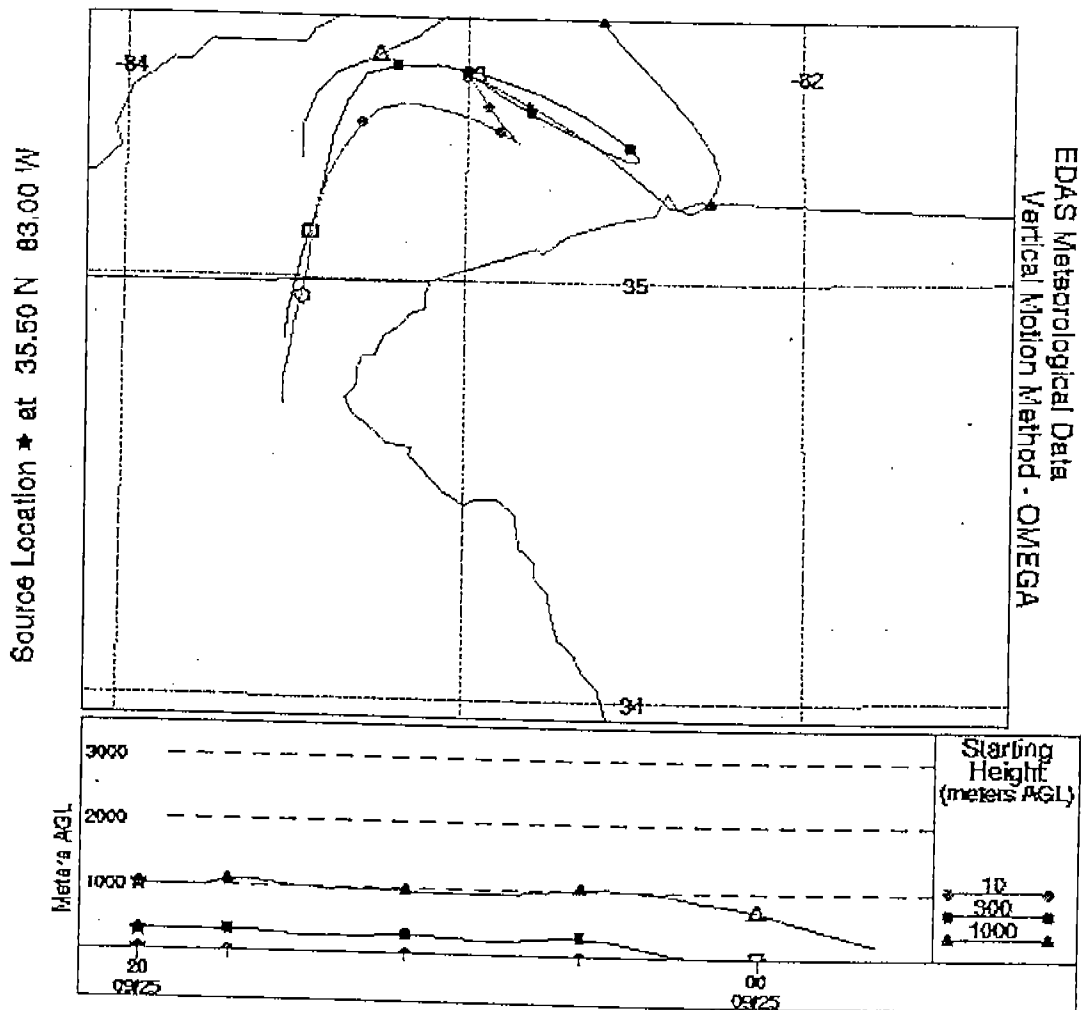




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 25 SEP 99

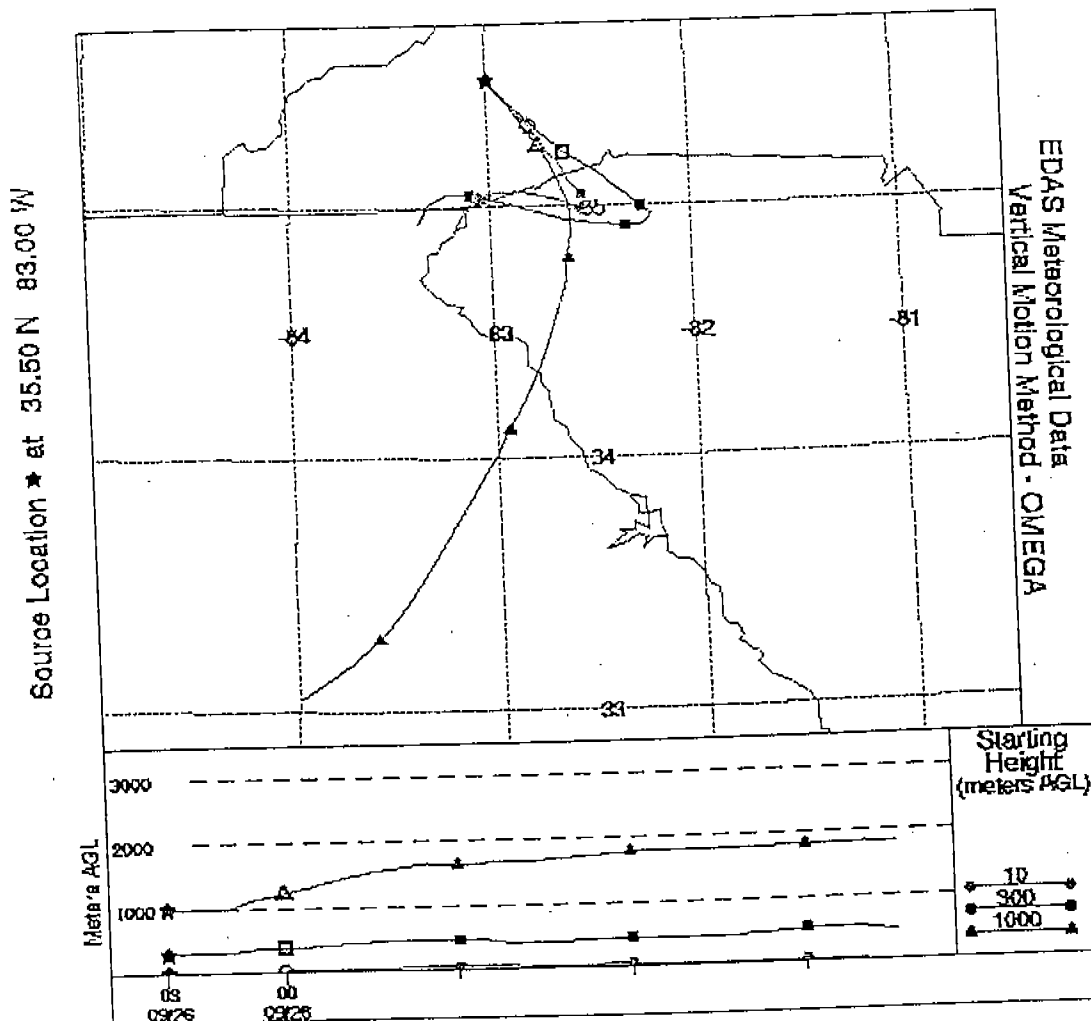




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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 03 UTC 26 SEP 99



Ozone Exceedence Day Back Trajectories

Monitor Site: Farmville
Monitor ID: 371470099
Latitude: 35.58N
Longitude: -77.60W

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:

11

1997 Ozone Exceedence Dates:

May –

June –

July – 3, 13, 14, 15, 17, 18, 19, & 28

August – 4 & 12

September – 20

Total 1998 8-Hour Ozone Exceedences:

7

1998 Ozone Exceedence Dates:

May – 19 & 21

June – 3 & 26

July –

August – 22

September – 12 & 13

Total 1999 8-Hour Ozone Exceedences:

11

1999 Ozone Exceedence Dates:

May –

June – 8 & 9

July – 23, 28, 30, & 31

August – 5, 6, 7, 18, & 19

September –

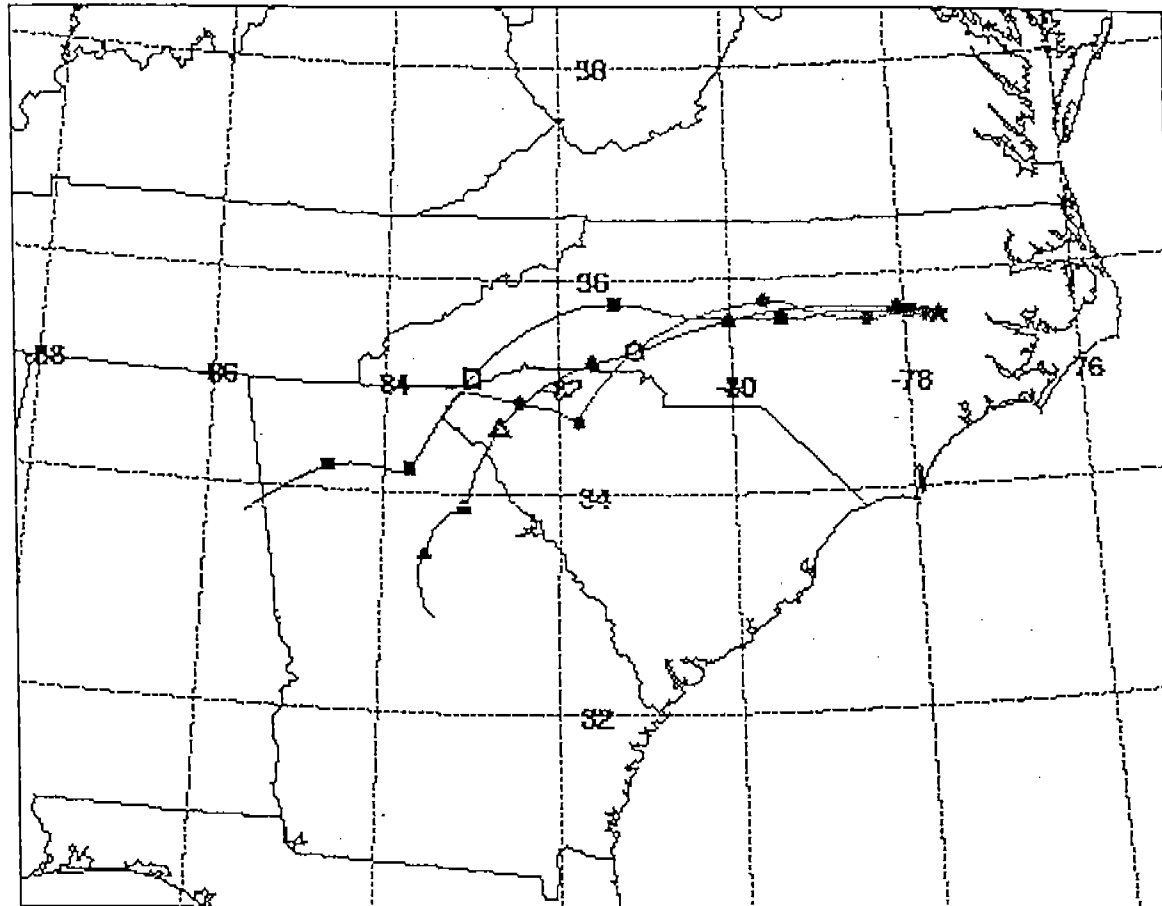


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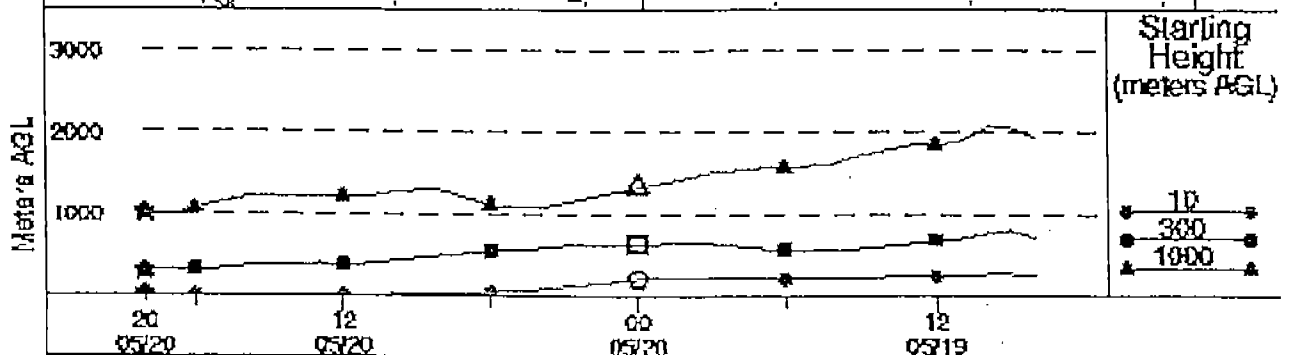
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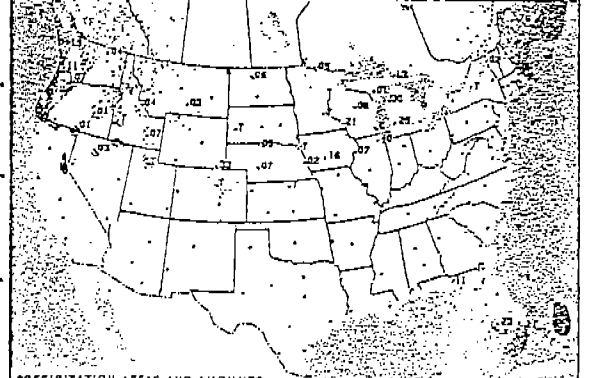
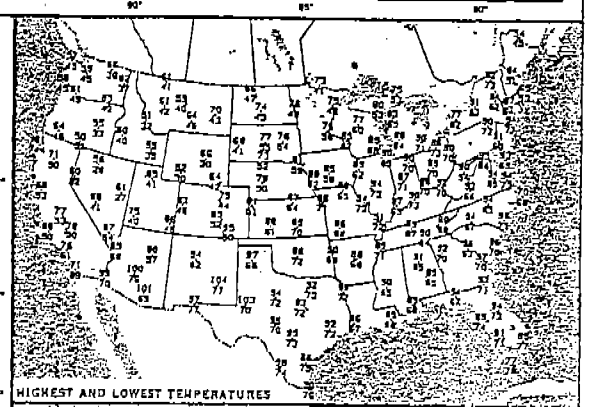
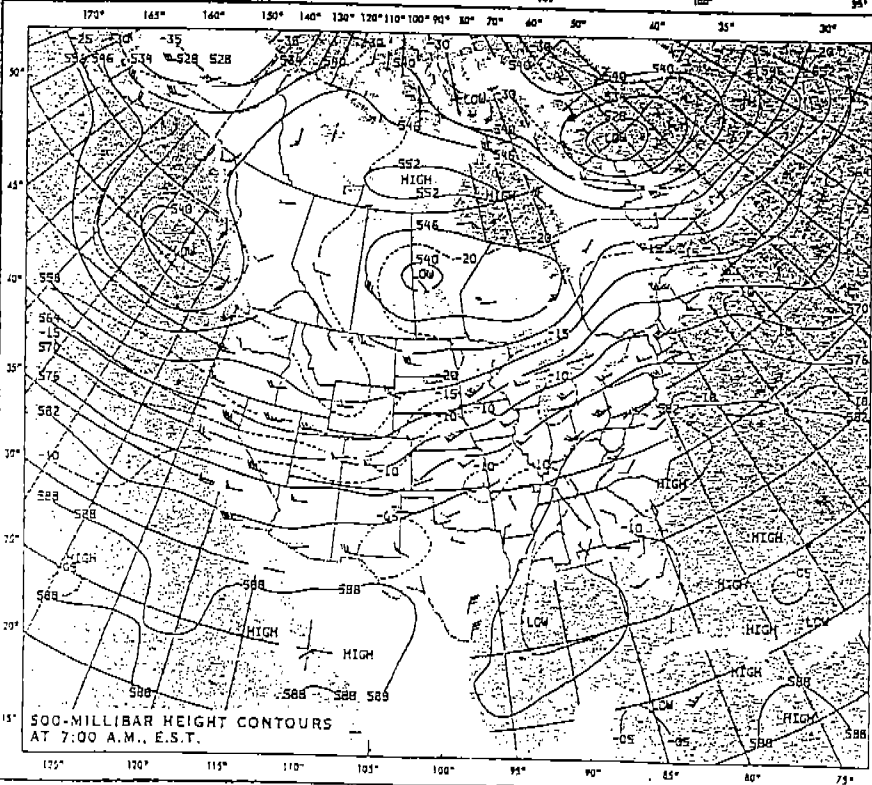
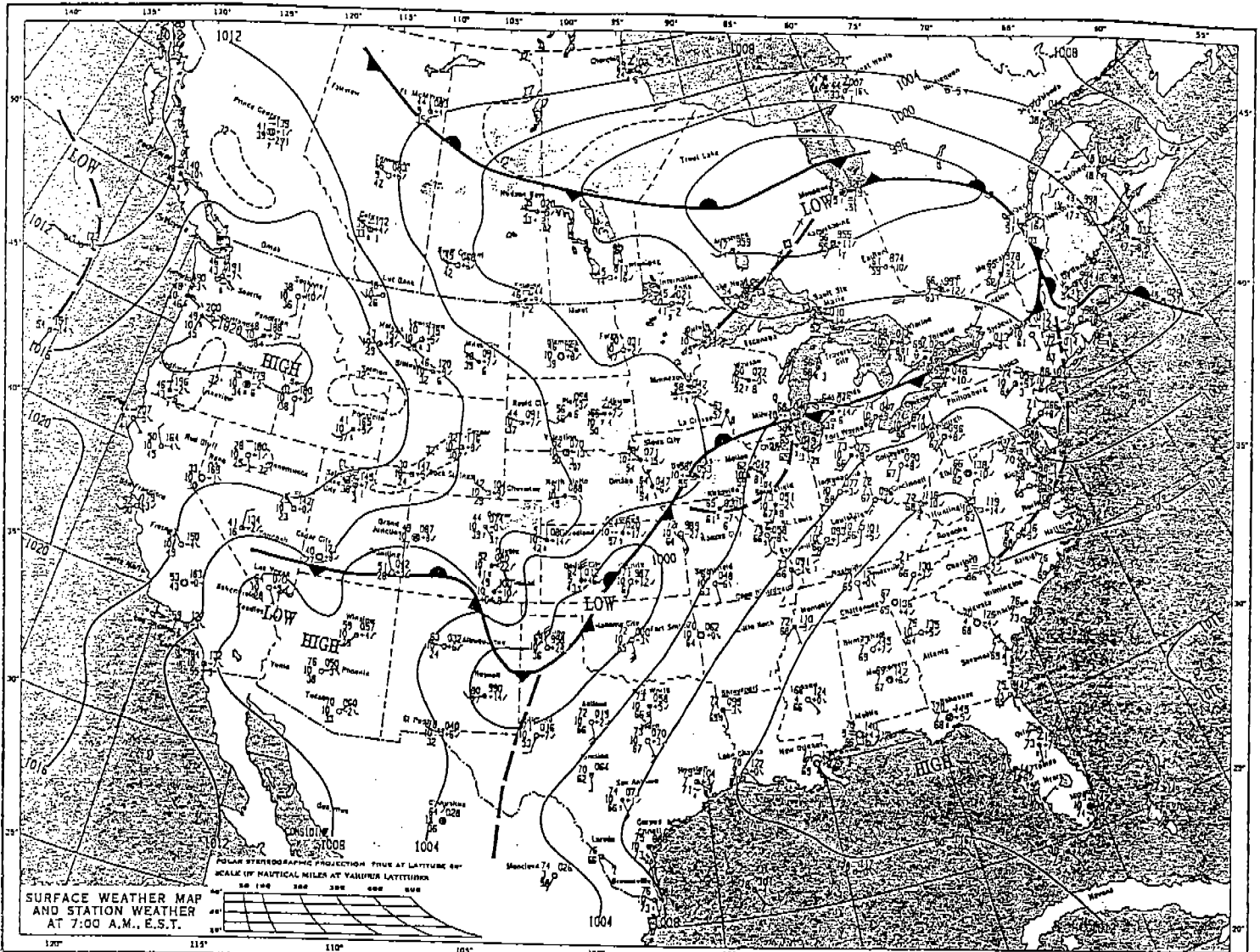
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 20 MAY 96

Source Location * at 35.58 N 77.60 W



NGM Meteorological Data
Vertical Motion Method - OMEGA





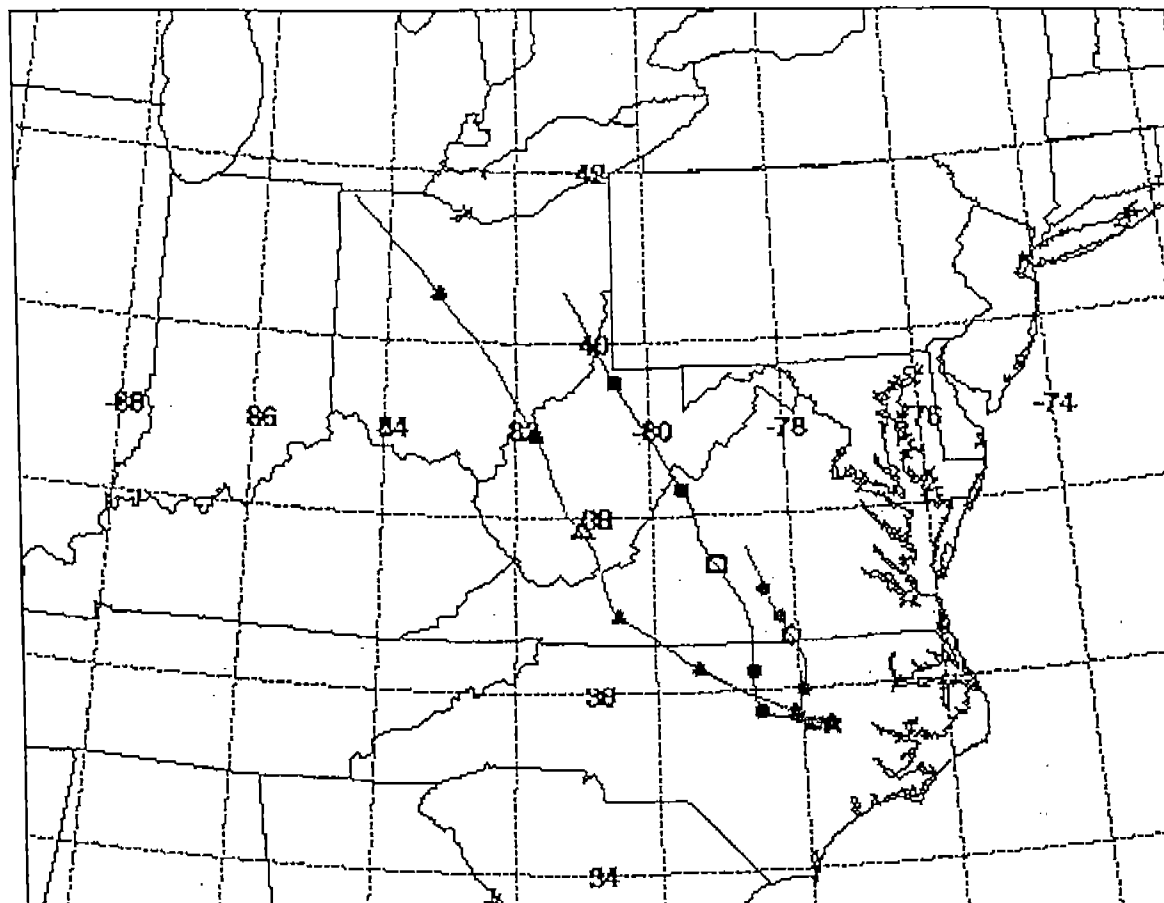


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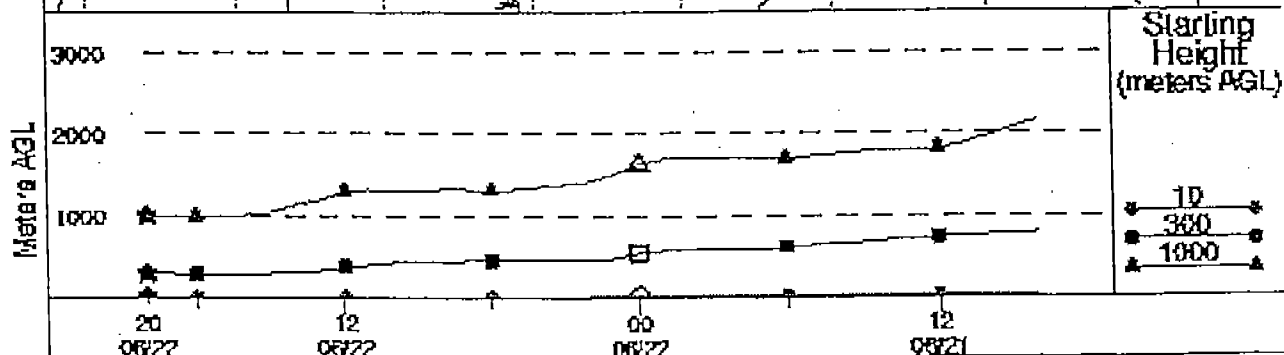
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 22 JUN 96

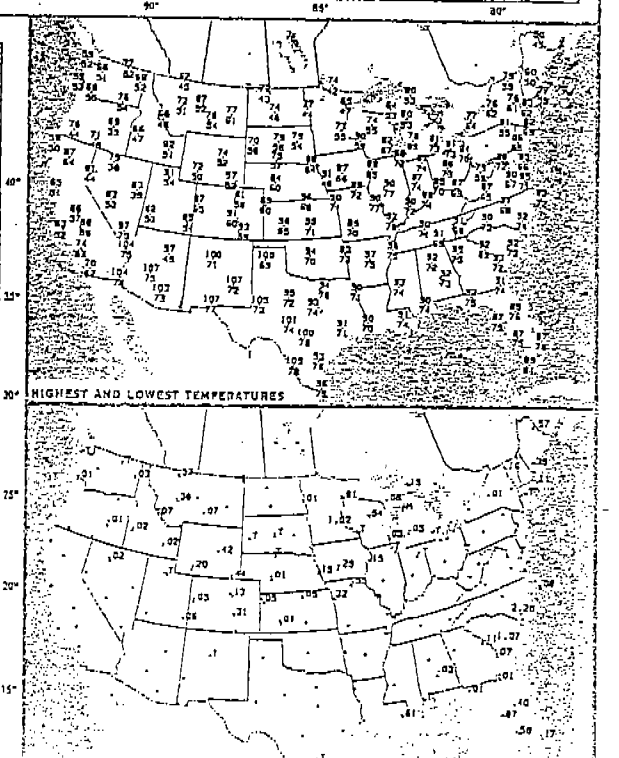
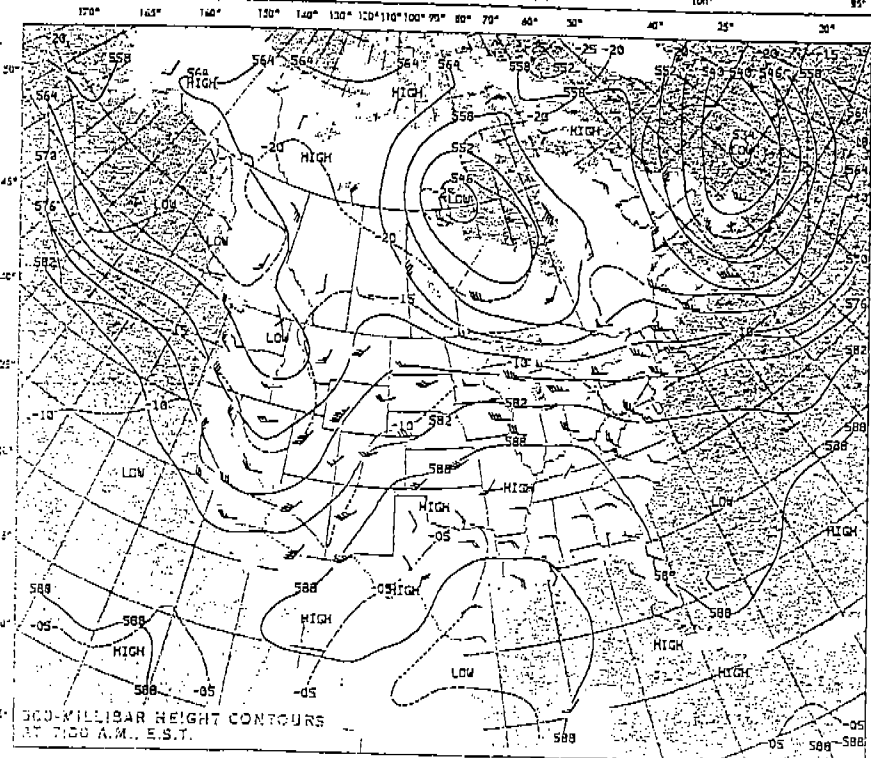
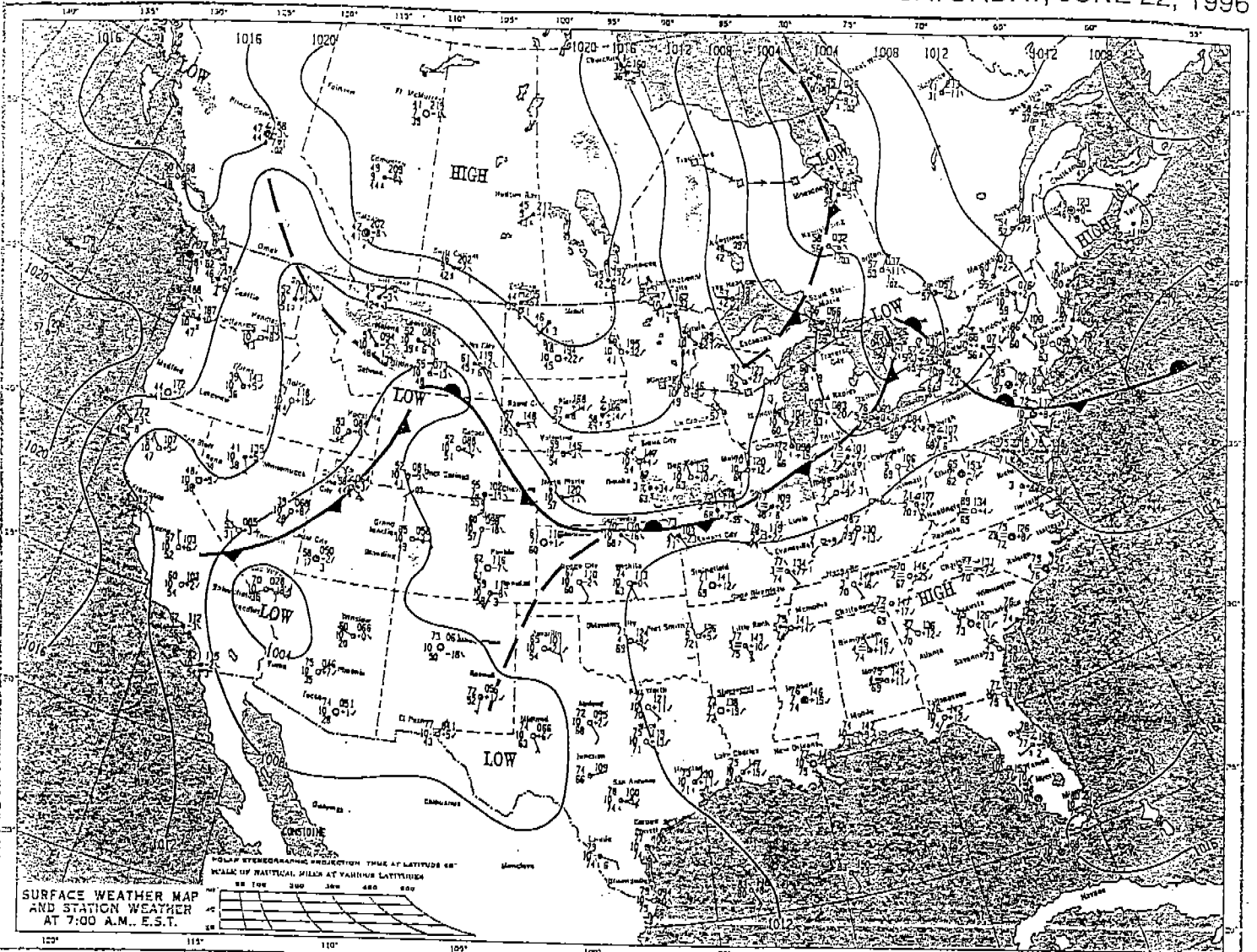
Source Location ★ at 35.58 N 77.60 W



NGM Meteorological Data
Vertical Motion Method - OMEGA



SATURDAY, JUNE 22, 1996



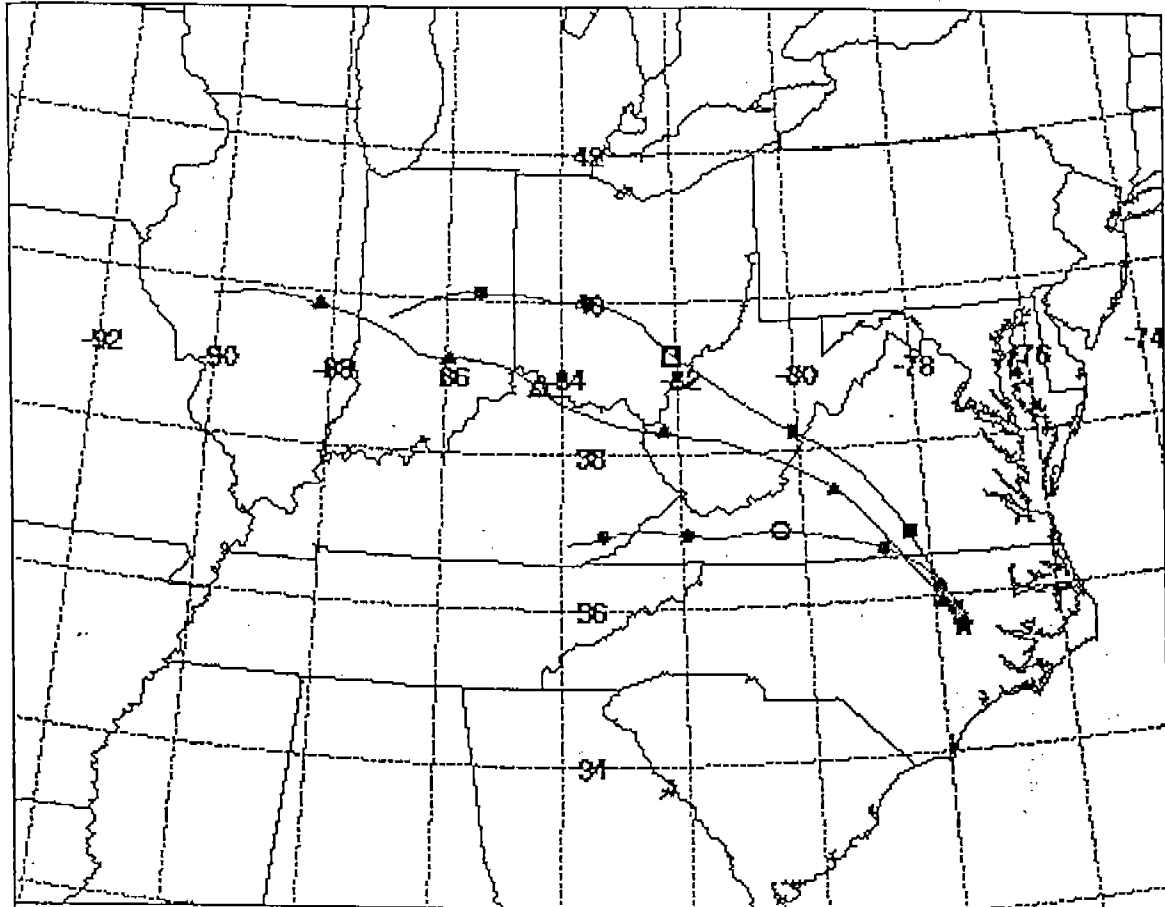


NOAA Air Resources Laboratory

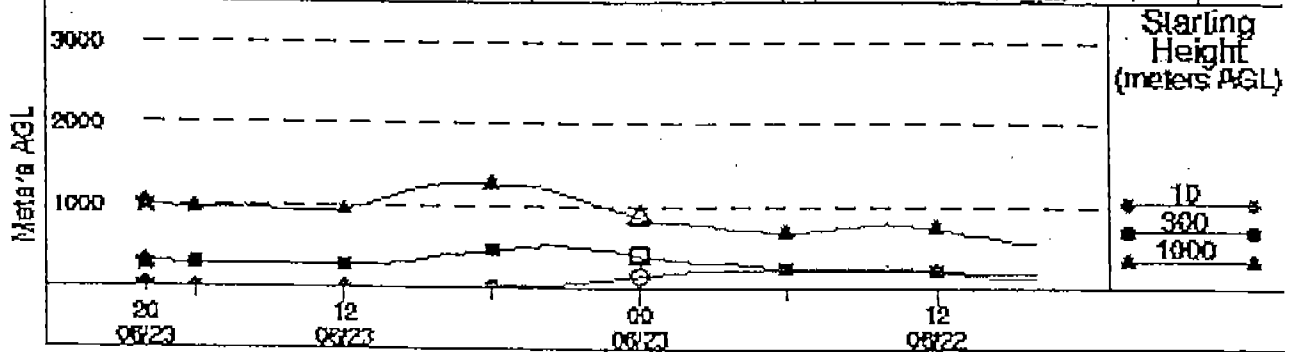
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 23 JUN 96

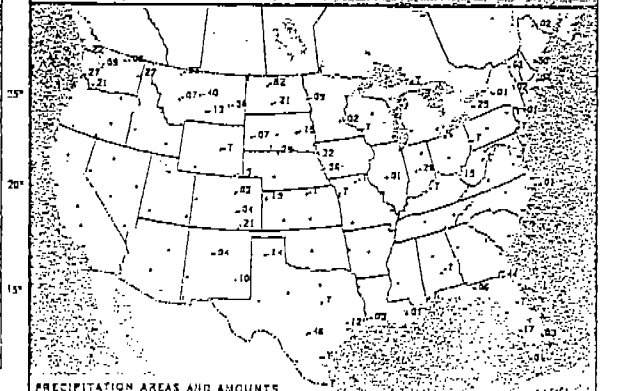
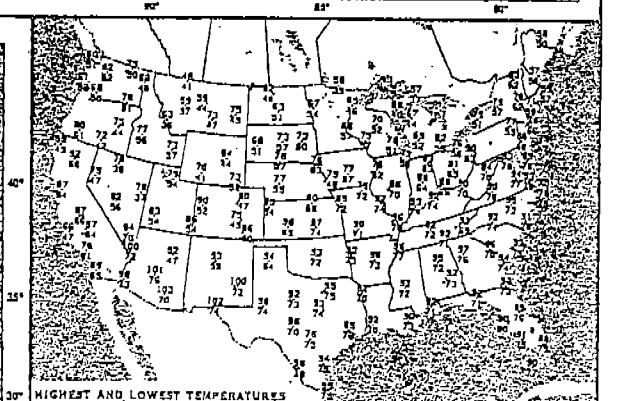
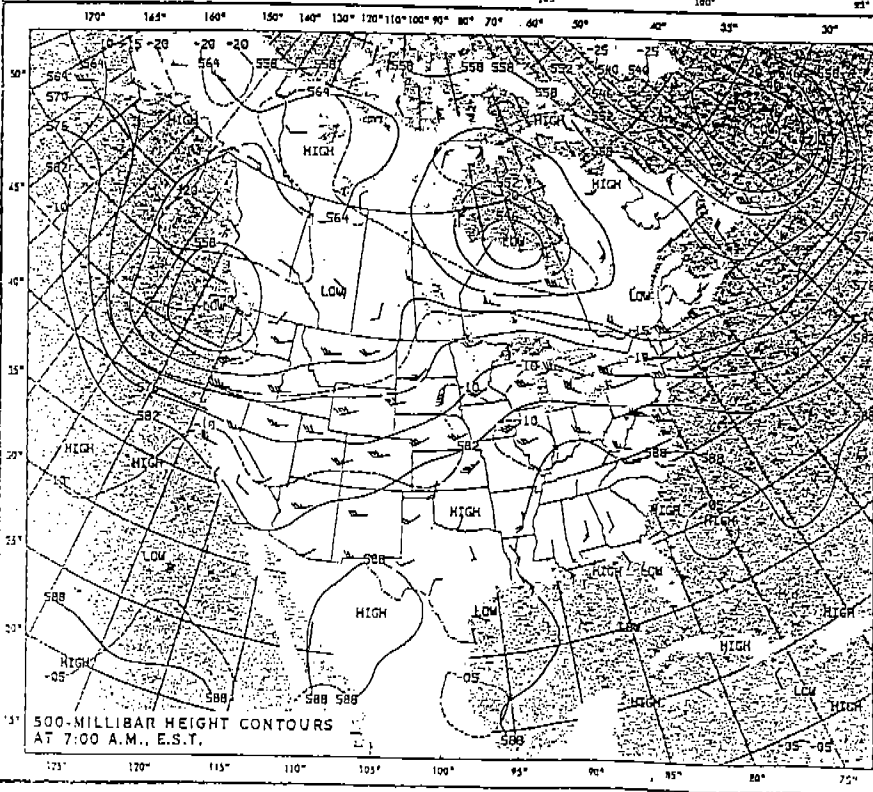
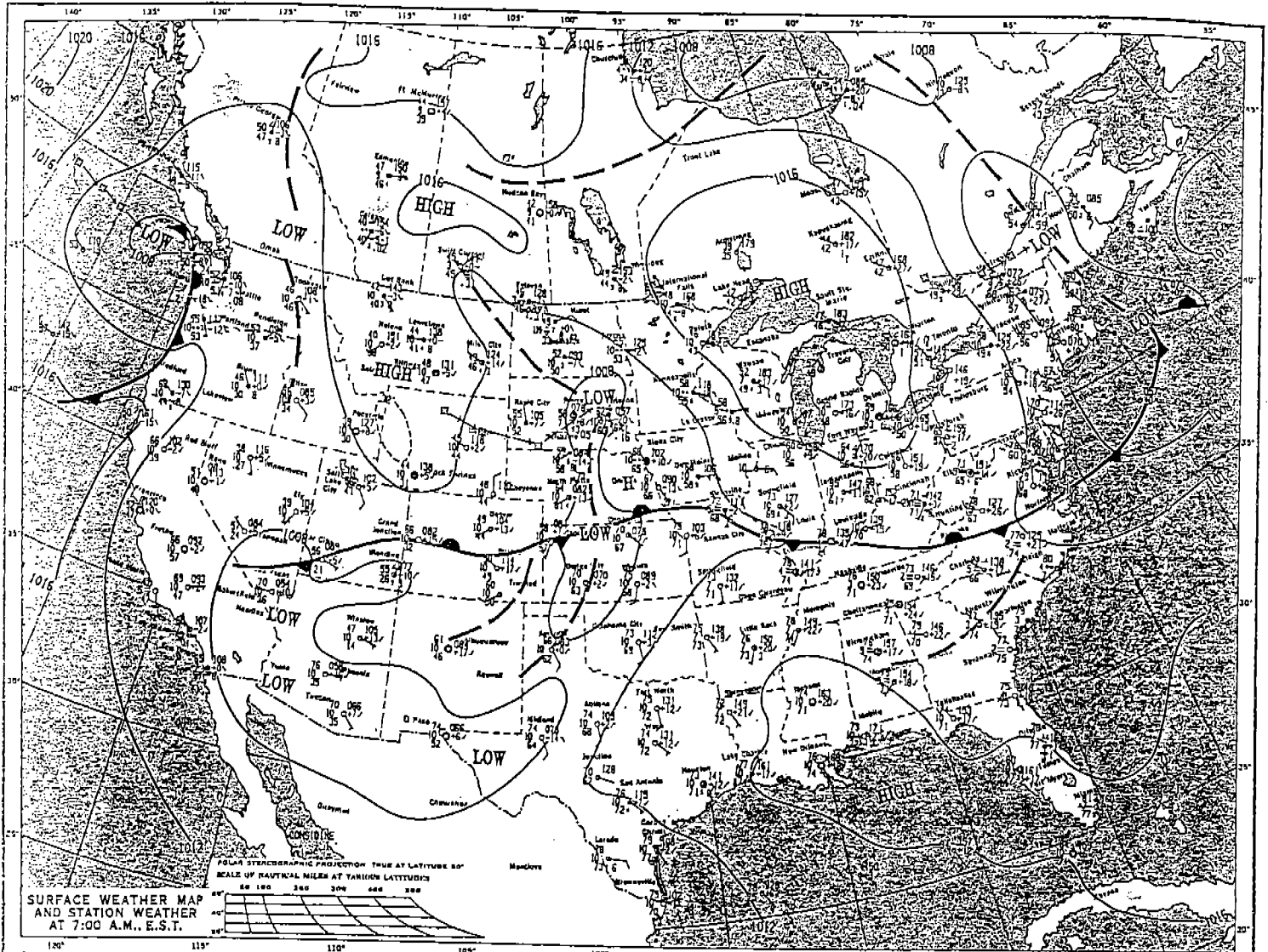
Source Location * at 35.58 N 77.60 W



NGM Meteorological Data
Vertical Motion Method - OMEGA



SUNDAY, JUNE 23, 1996





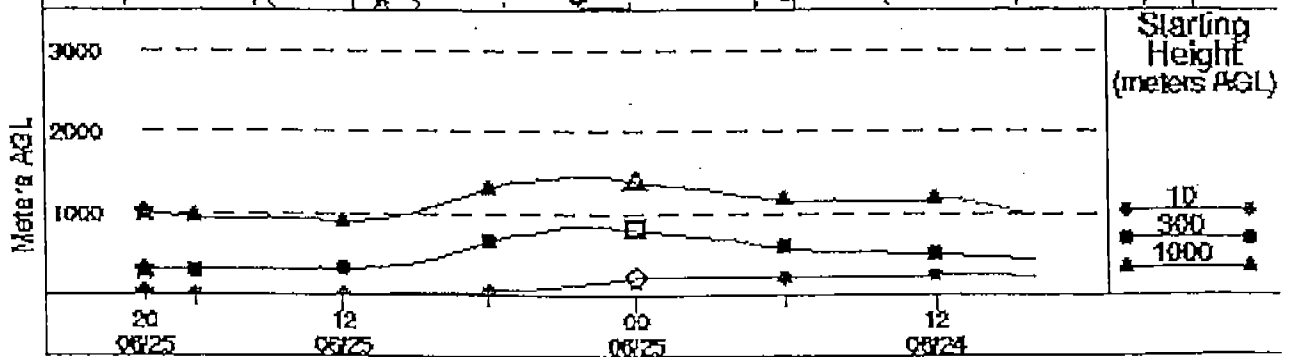
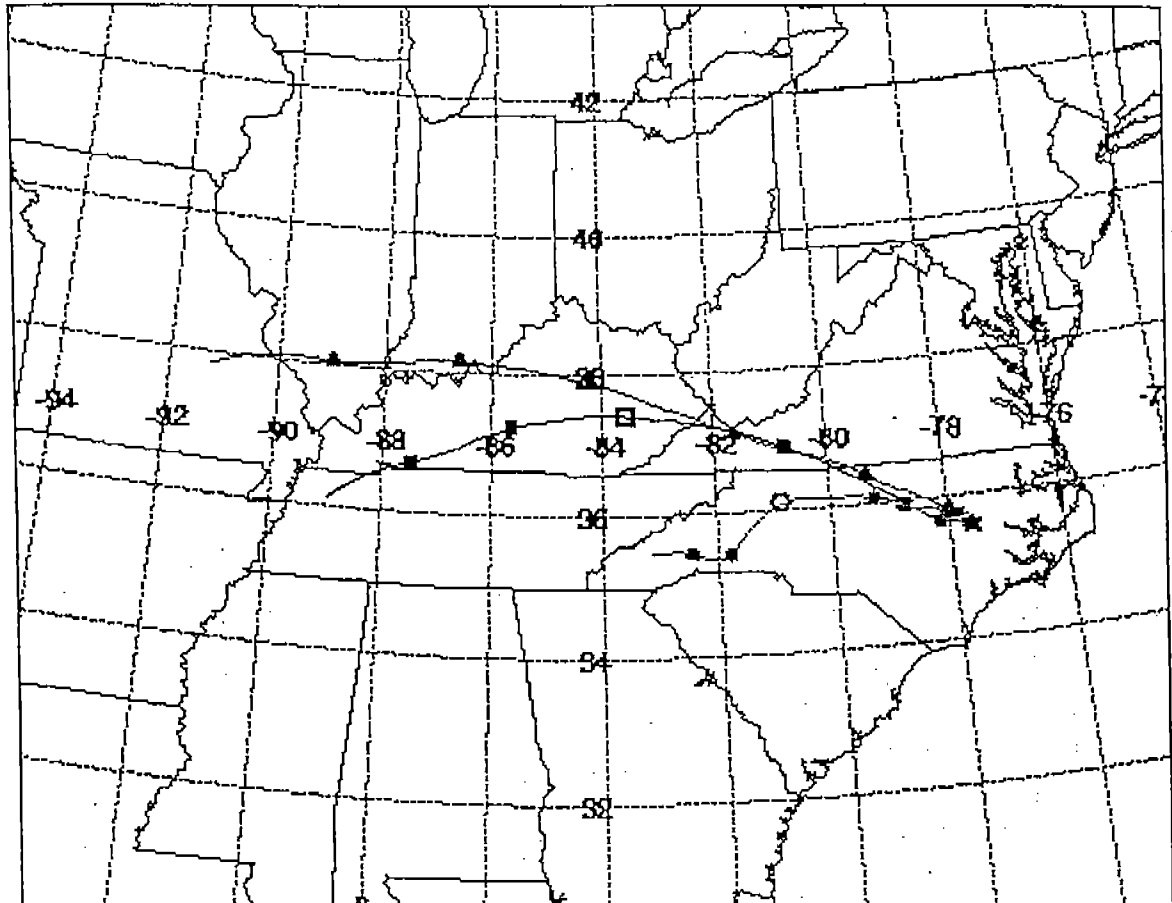
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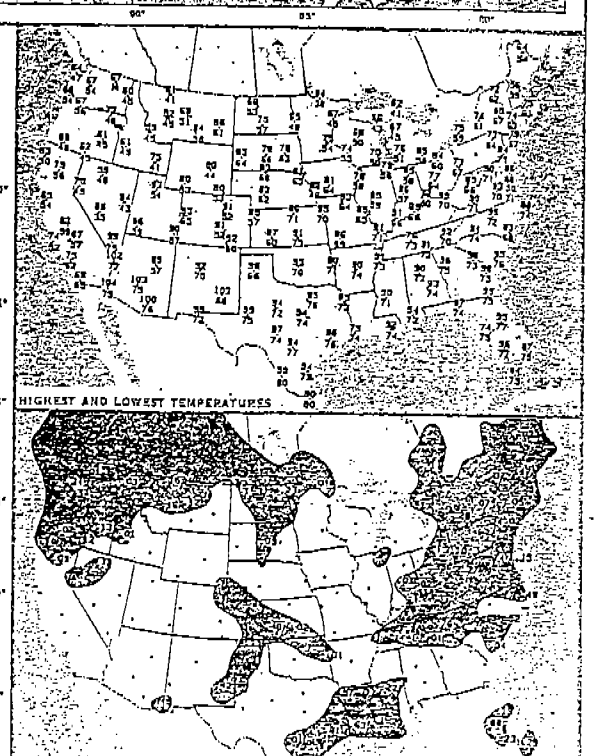
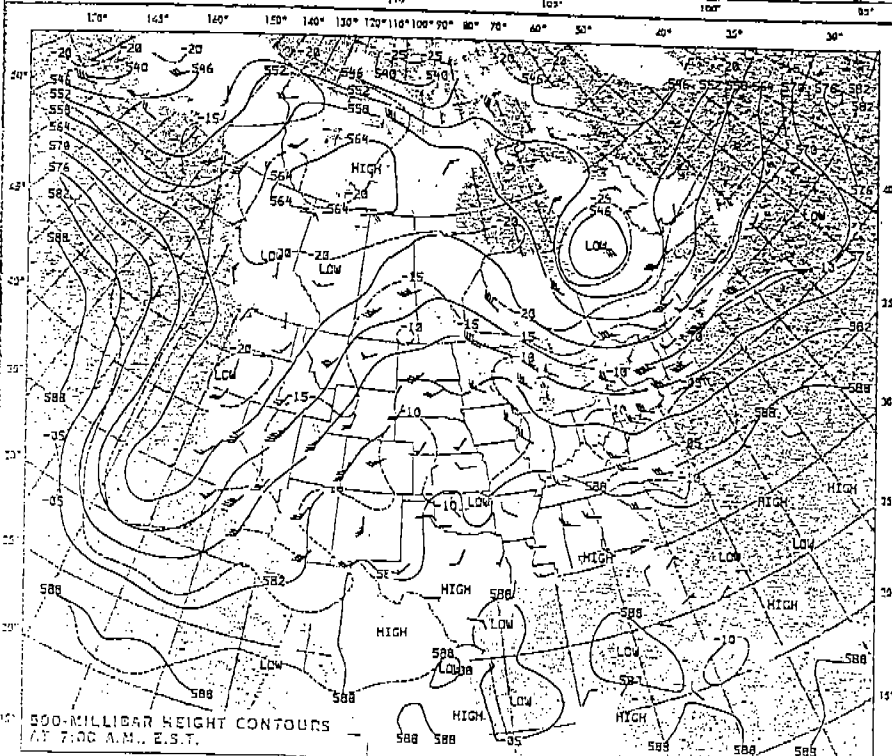
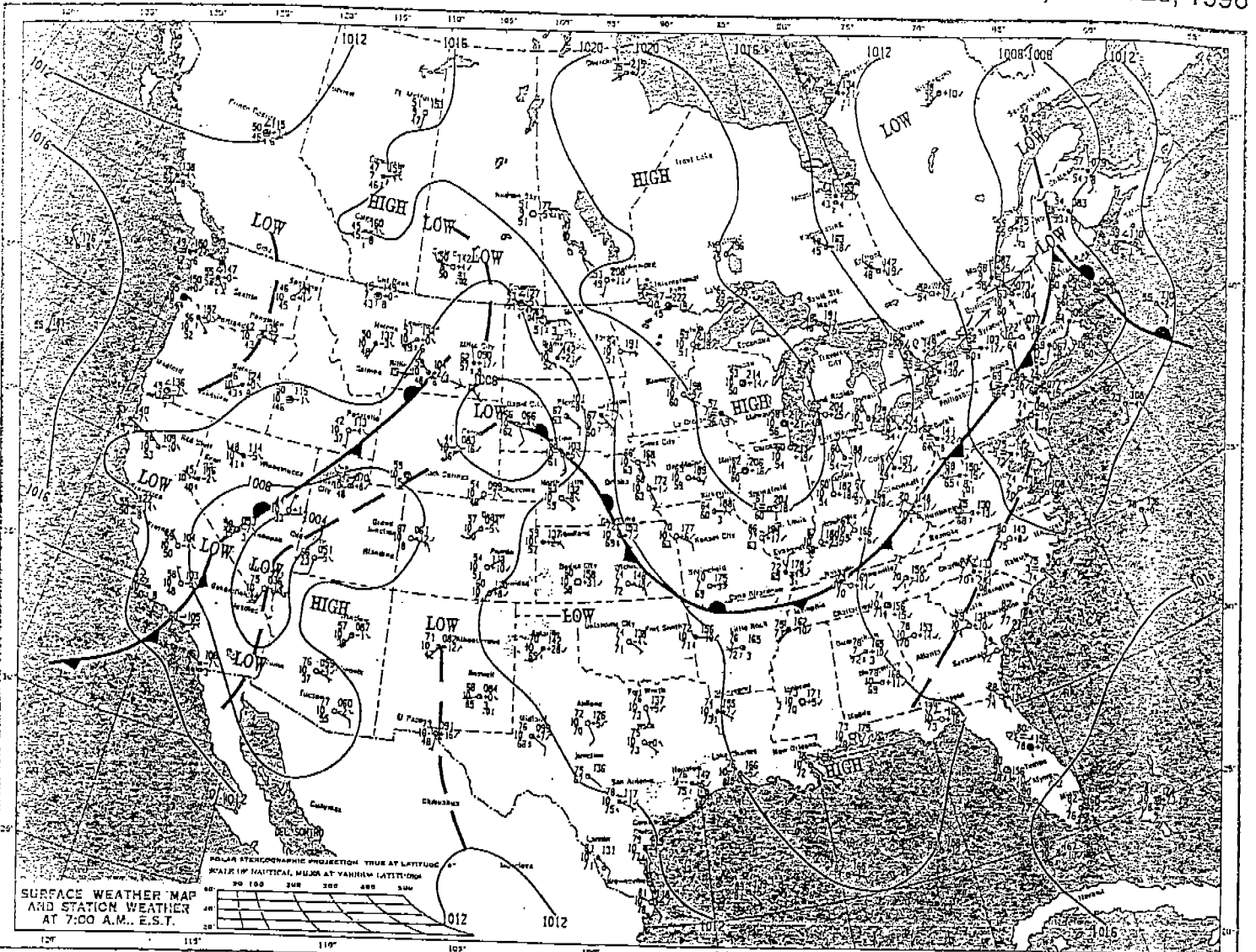
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 25 JUN 96

Source Location ★ at 35.58 N 77.60 W

NGM Meteorological Data
Vertical Motion Method - OMEGA



TUESDAY, JUNE 25, 1996



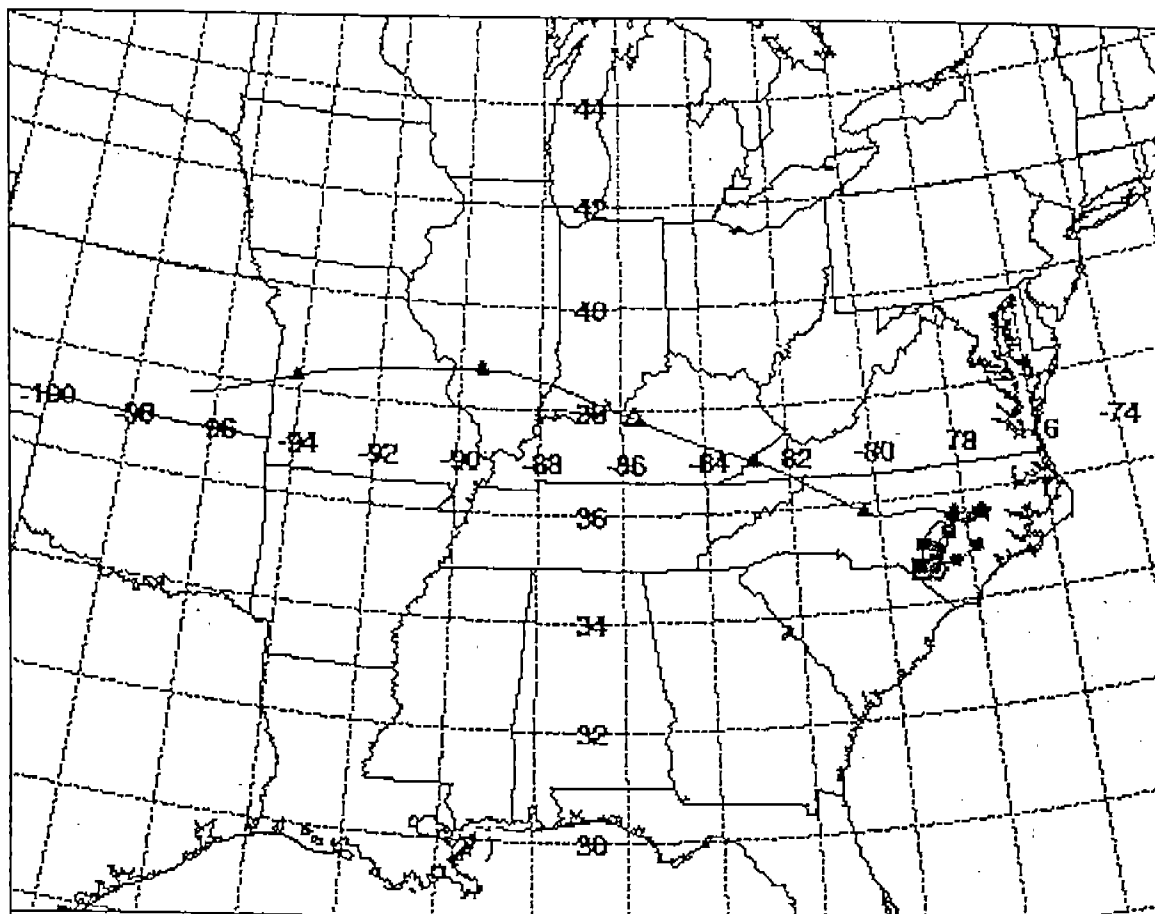


NOAA Air Resources Laboratory

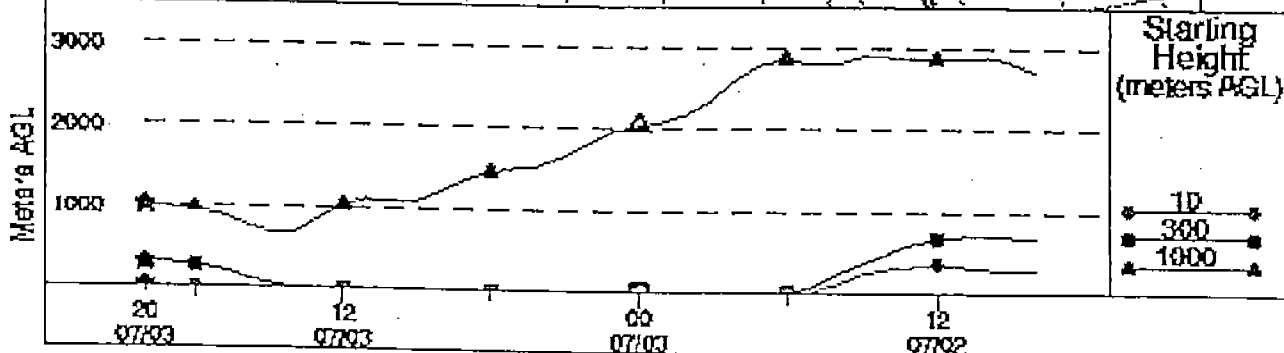
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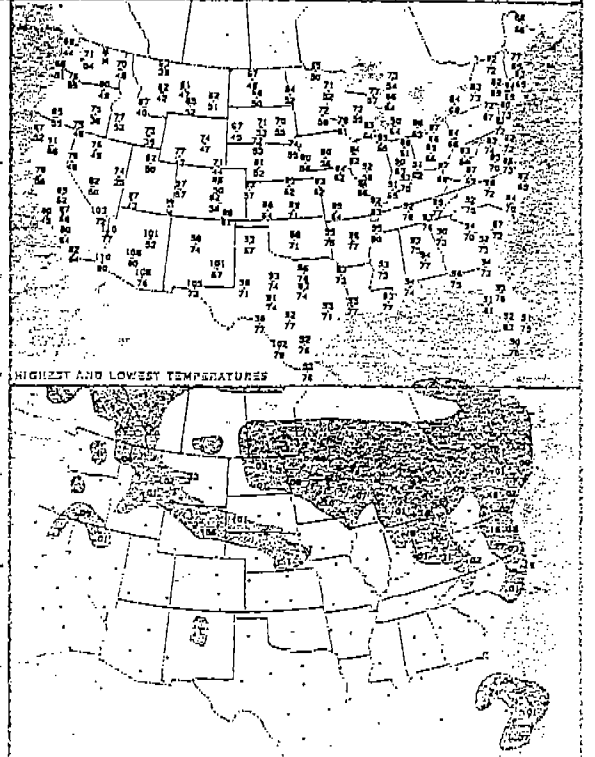
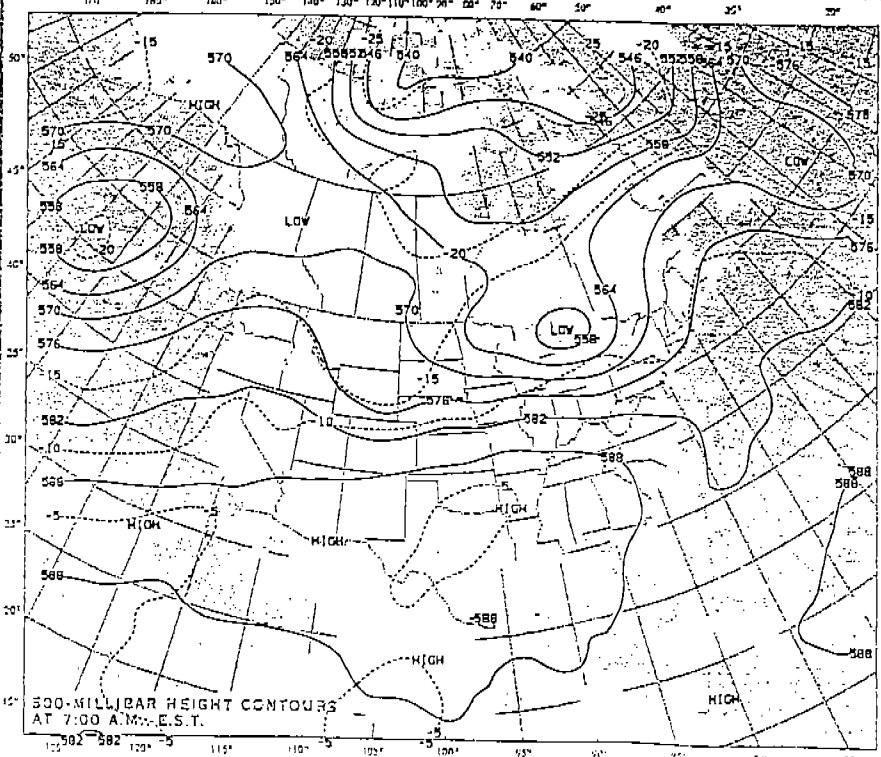
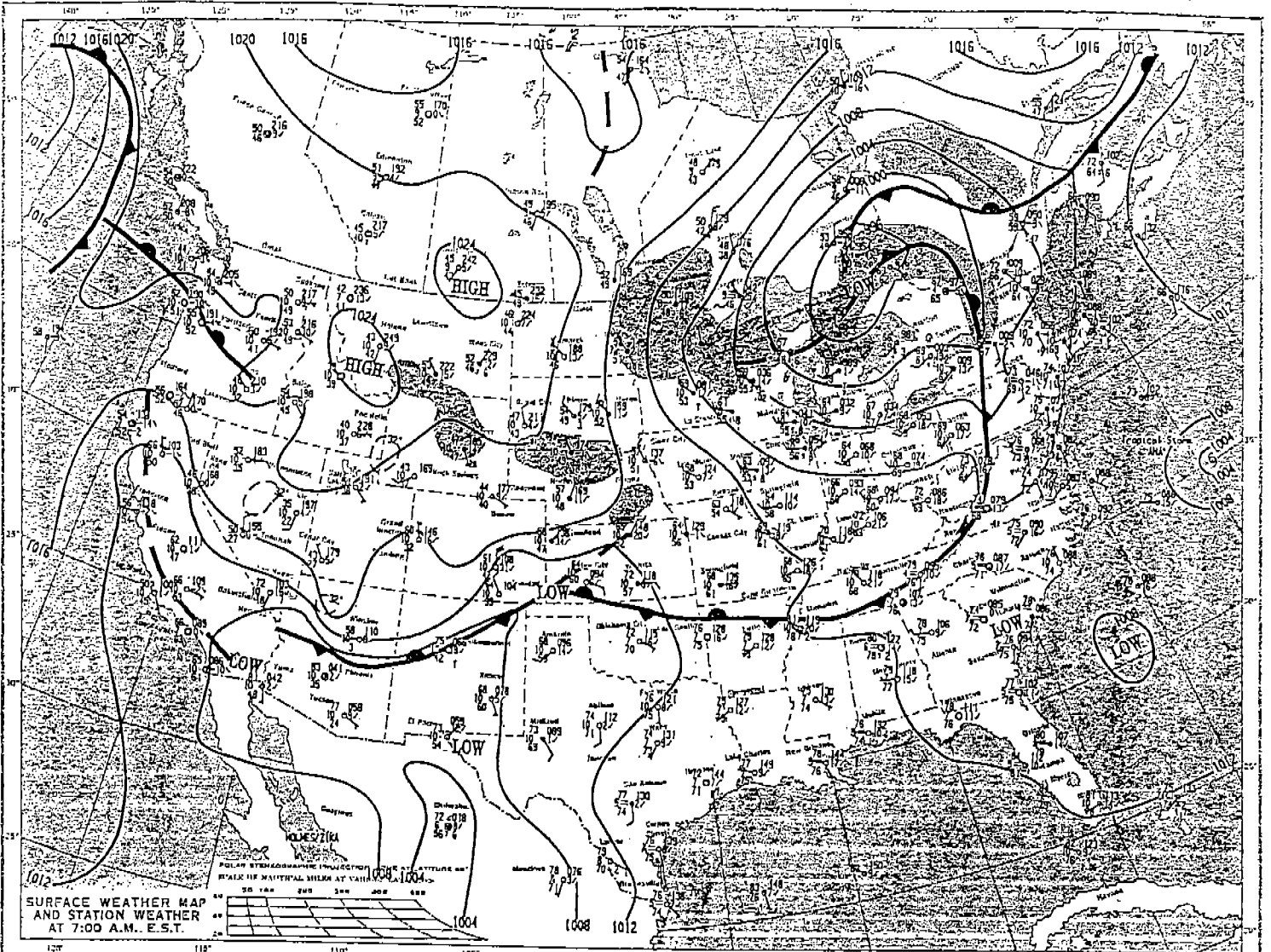
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 03 JUL 97

Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA





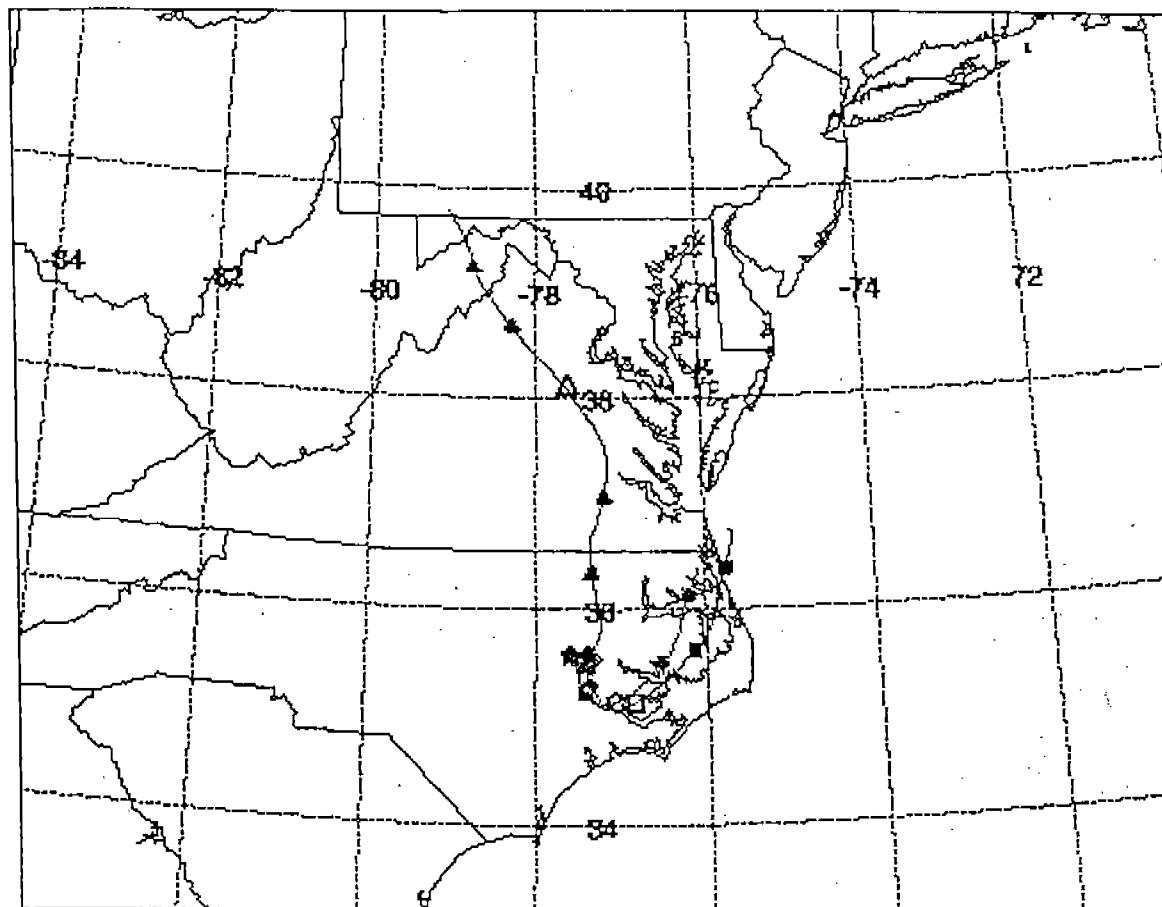


NOAA Air Resources Laboratory

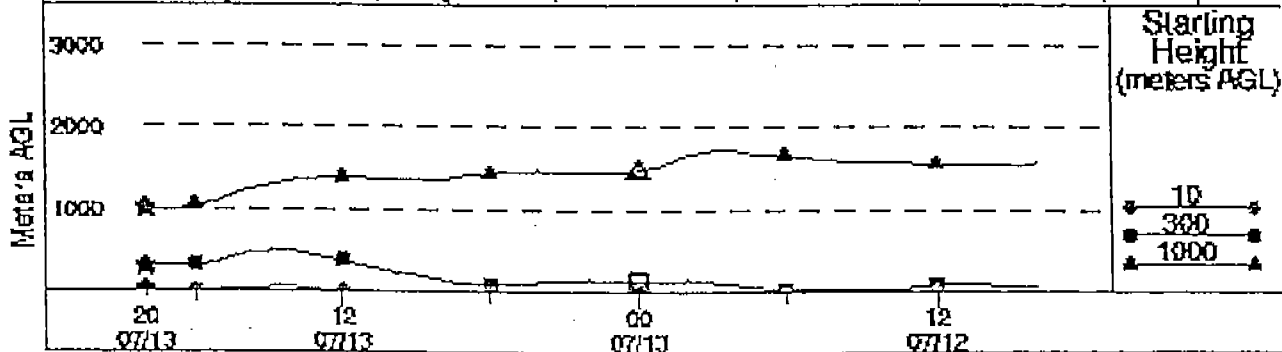
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 13 JUL 97

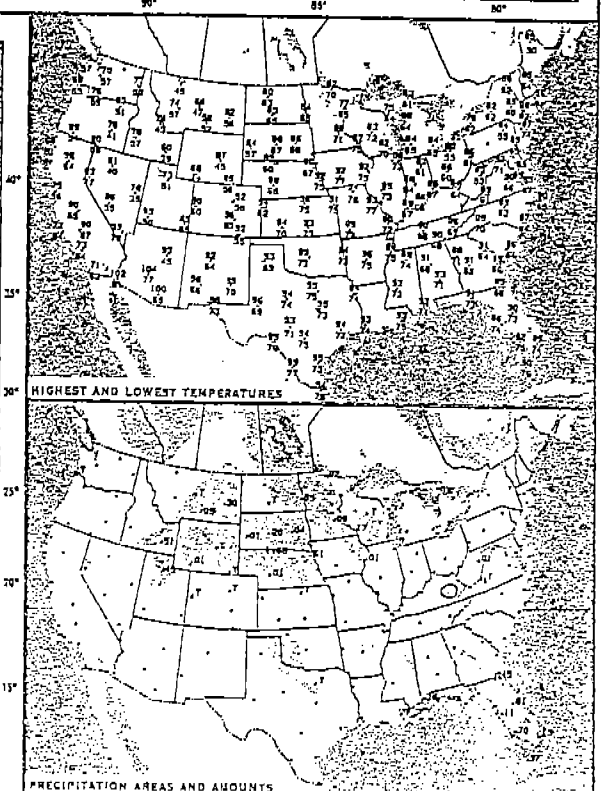
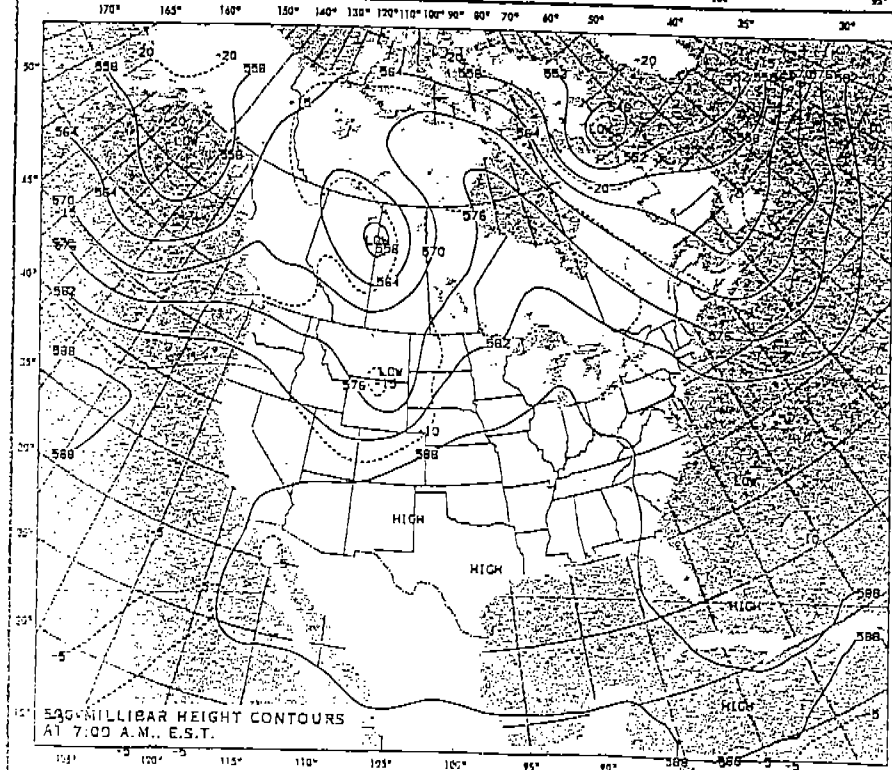
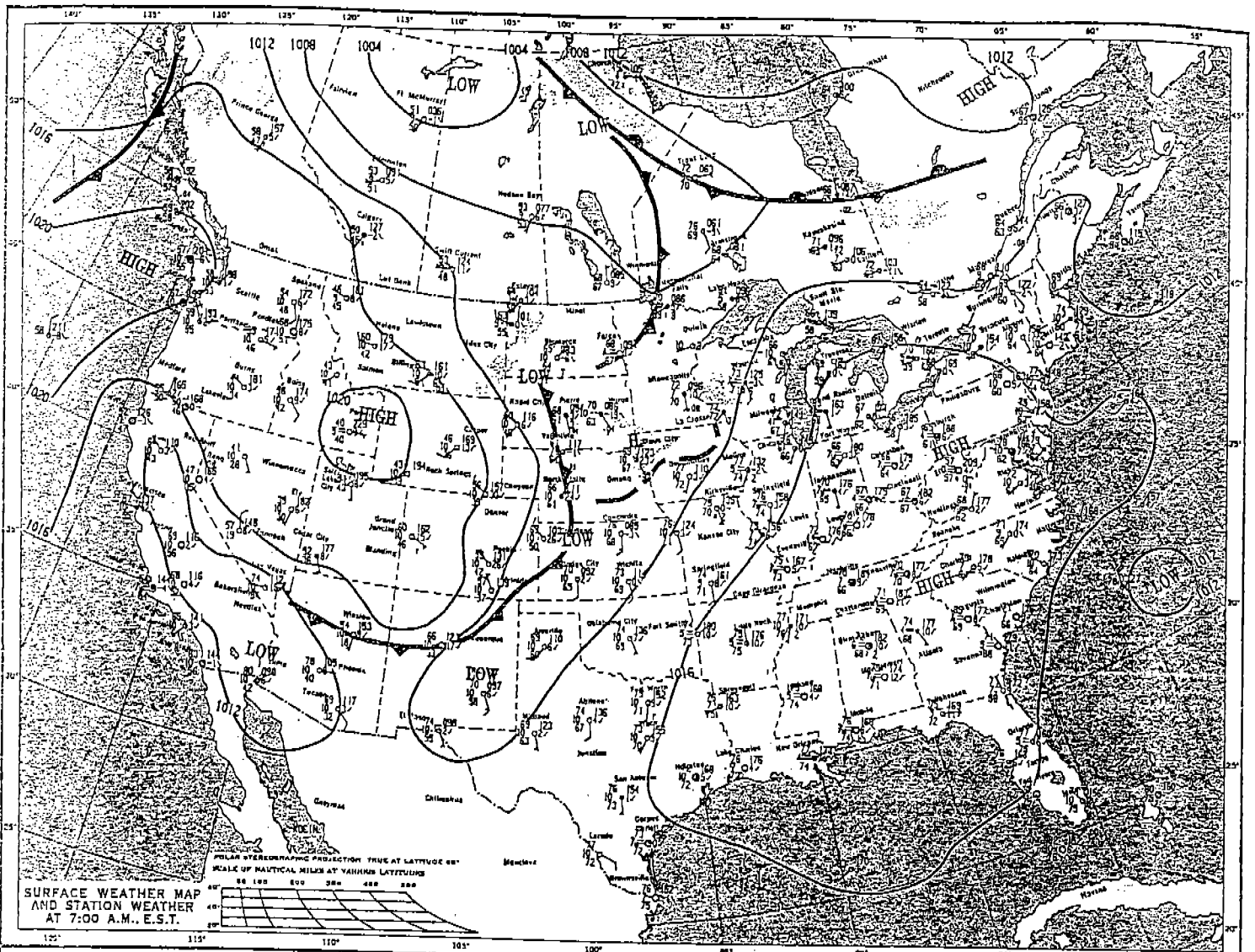
Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



SUNDAY, JULY 13, 1997



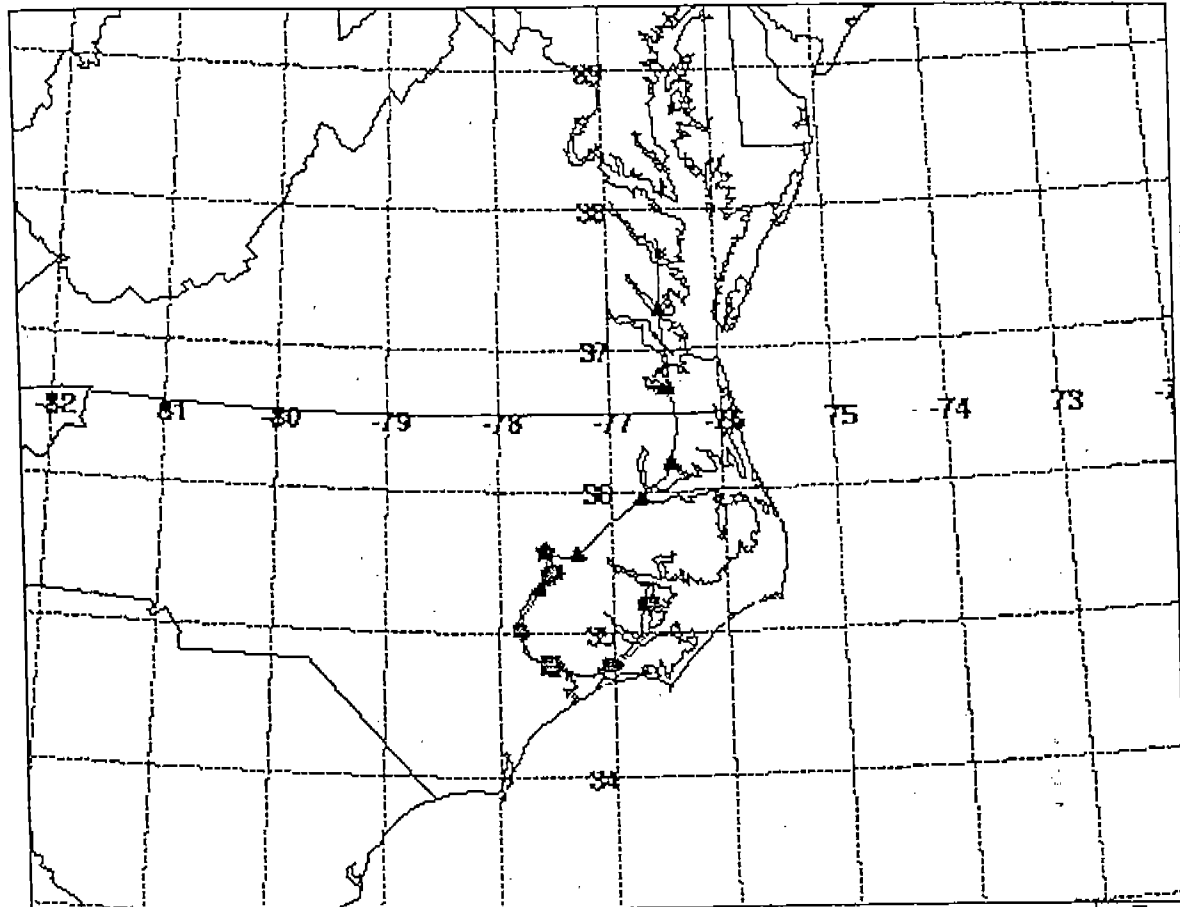


NOAA Air Resources Laboratory

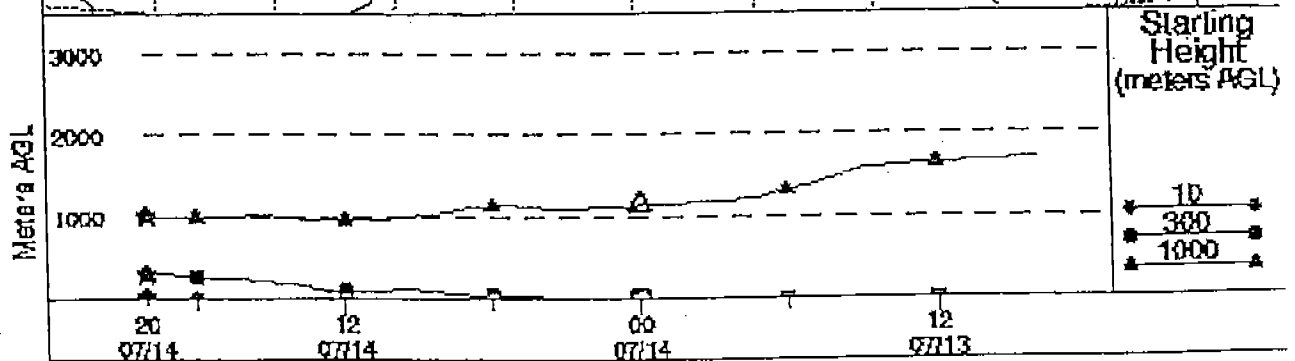
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 14 JUL 97

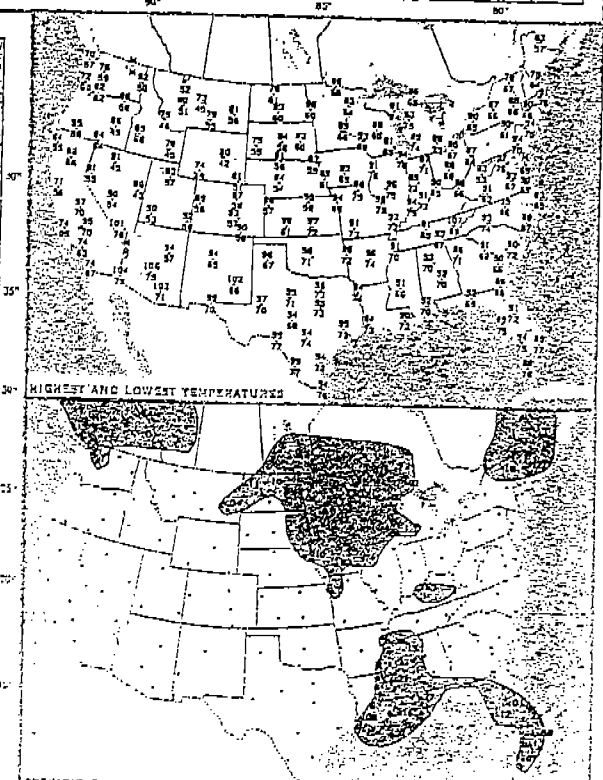
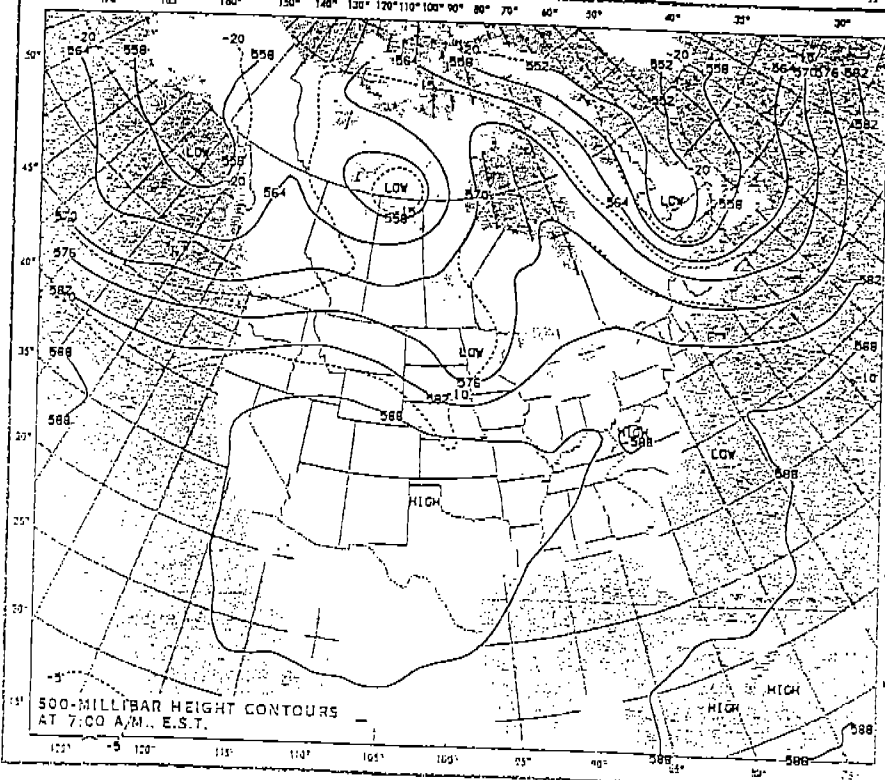
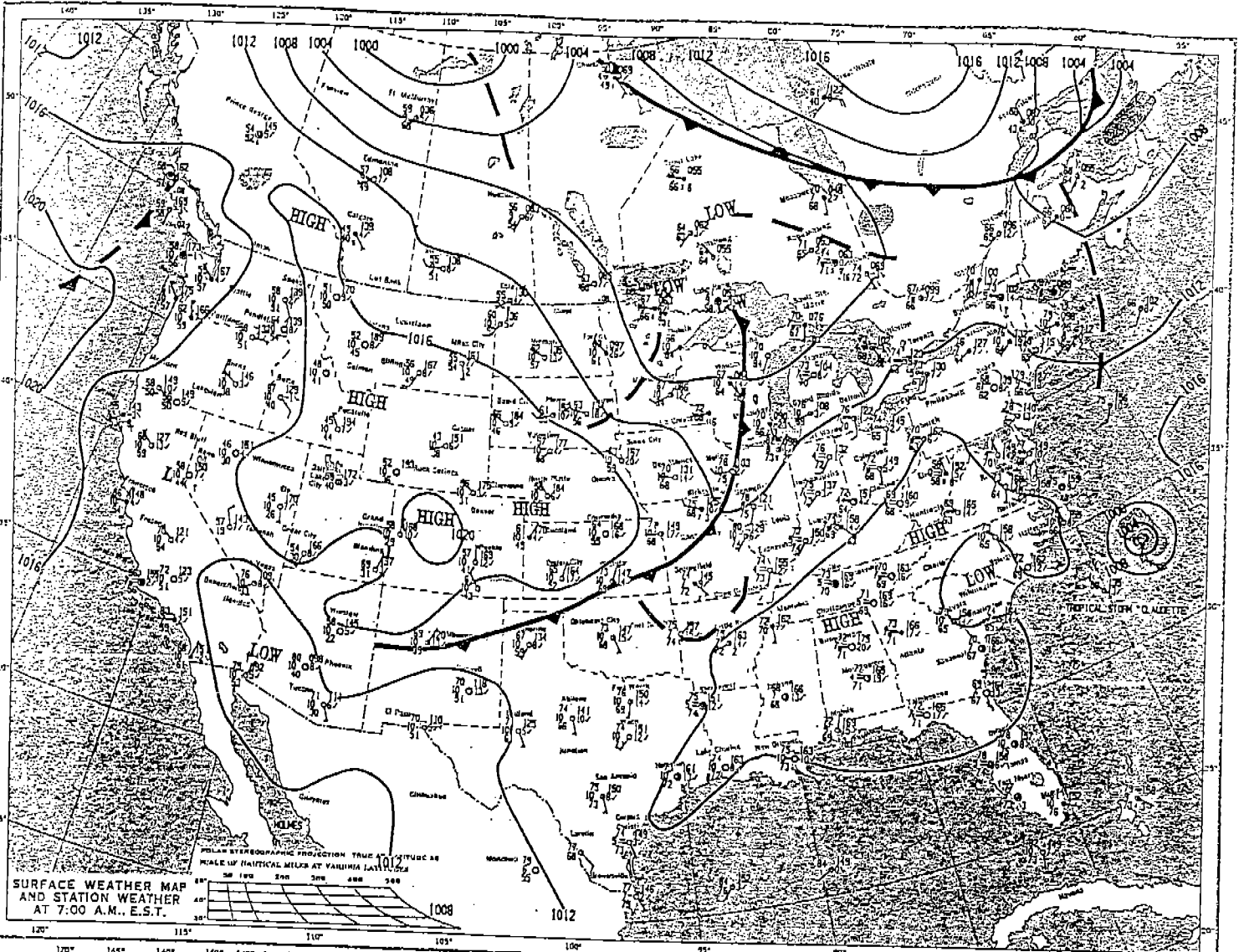
Source Location ★ at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



MONDAY, JULY 14, 1997



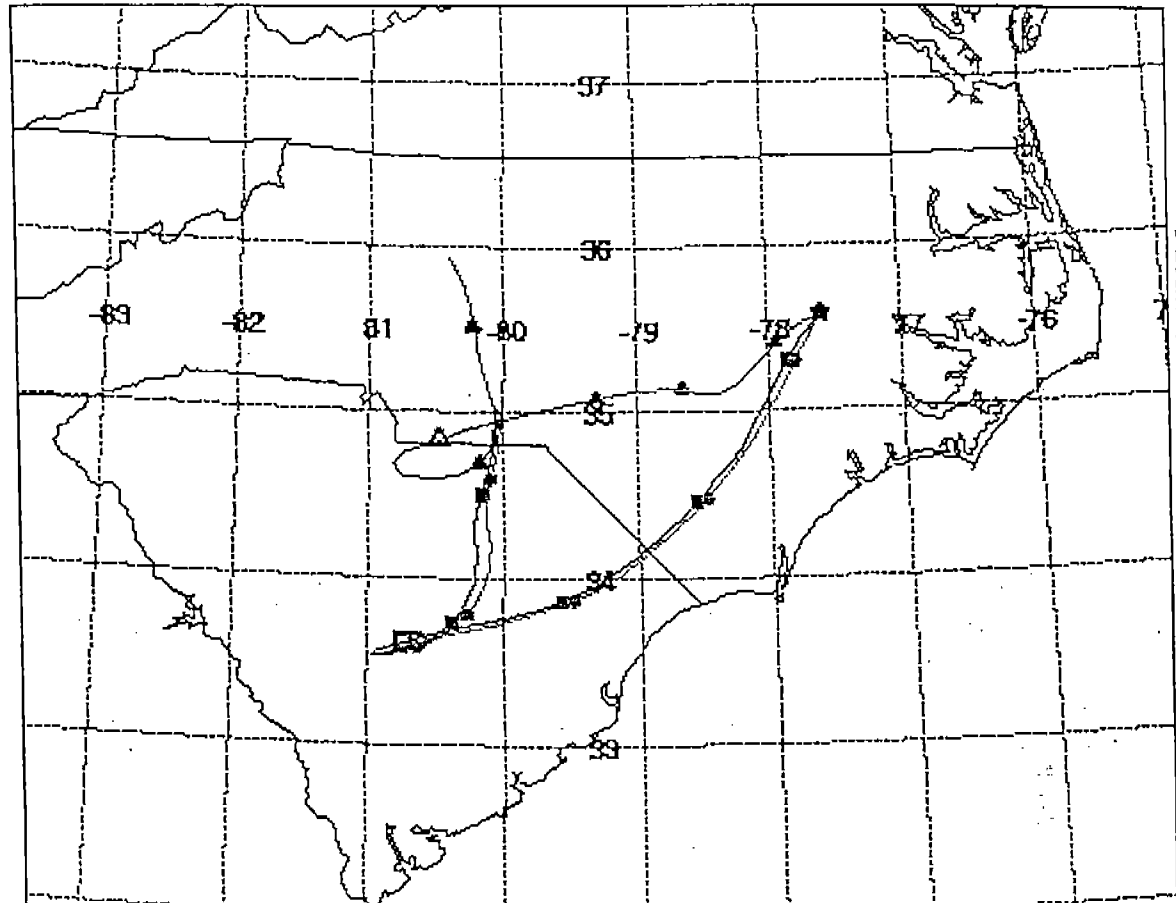


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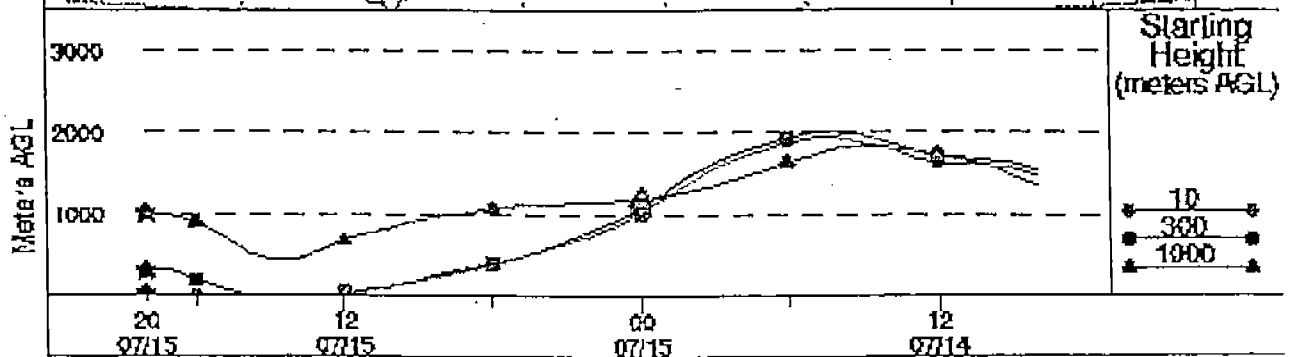
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 15 JUL 97

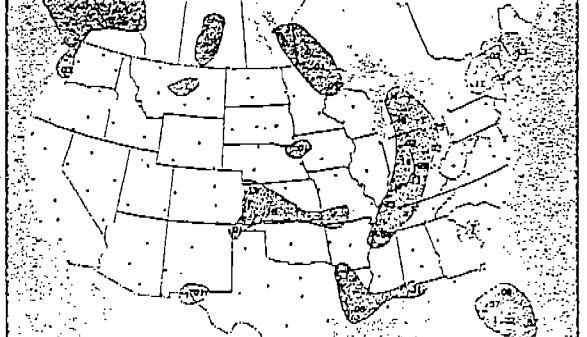
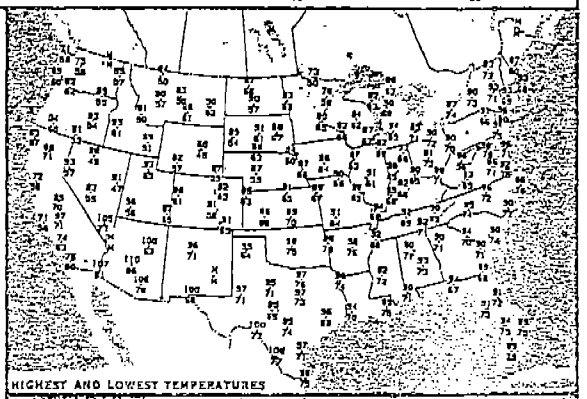
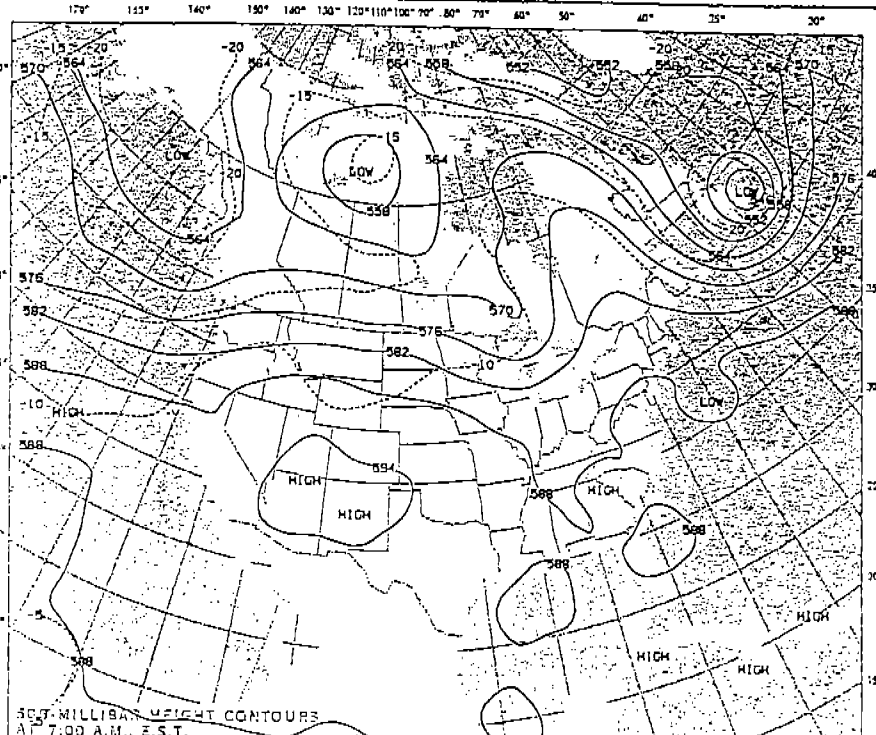
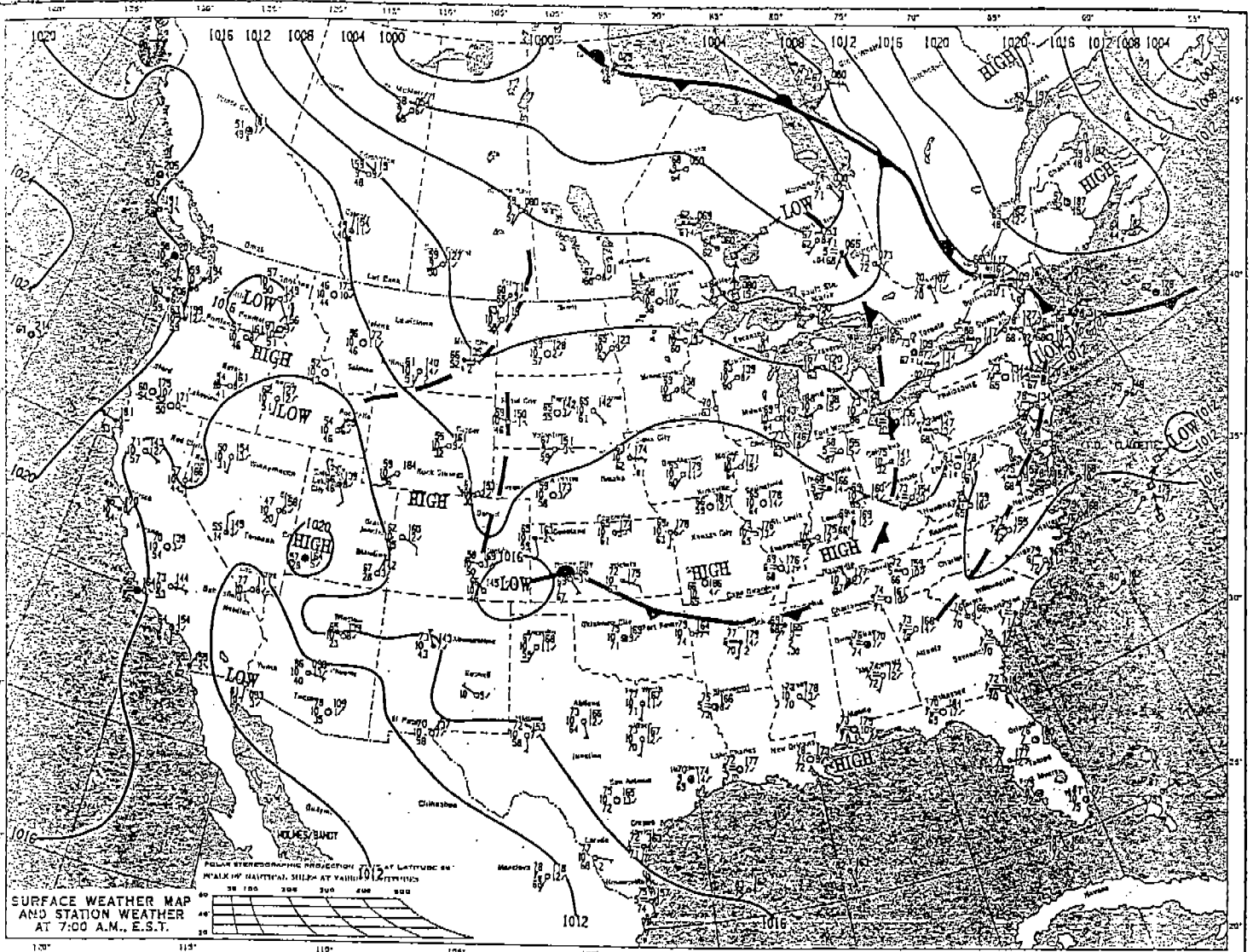
Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



TUESDAY, JULY 15, 1997



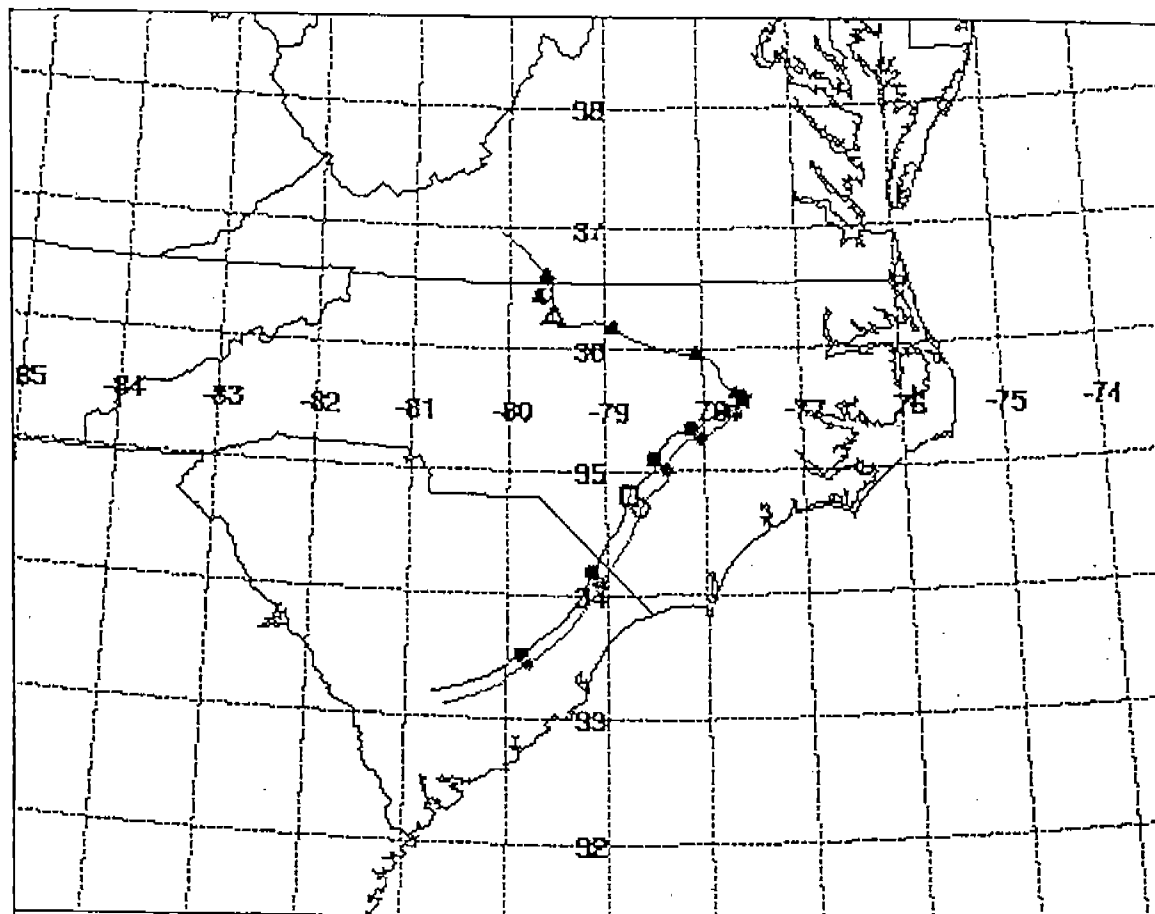


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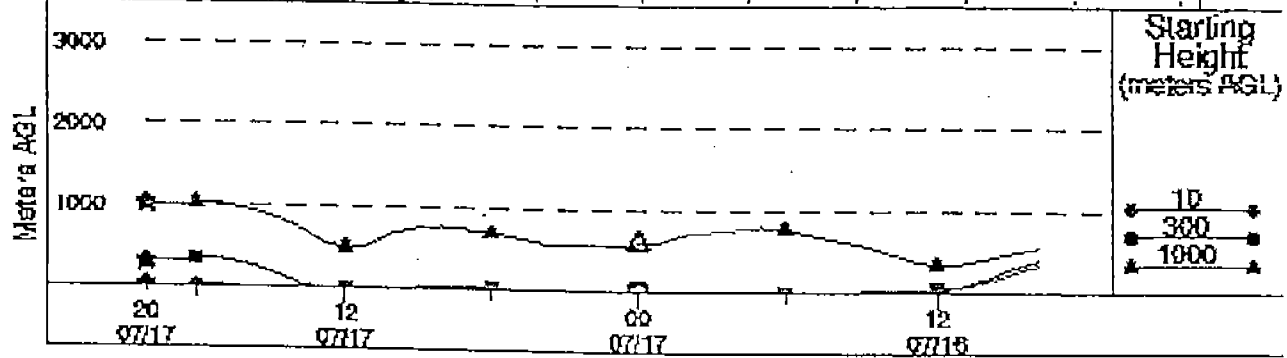
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 17 JUL 97

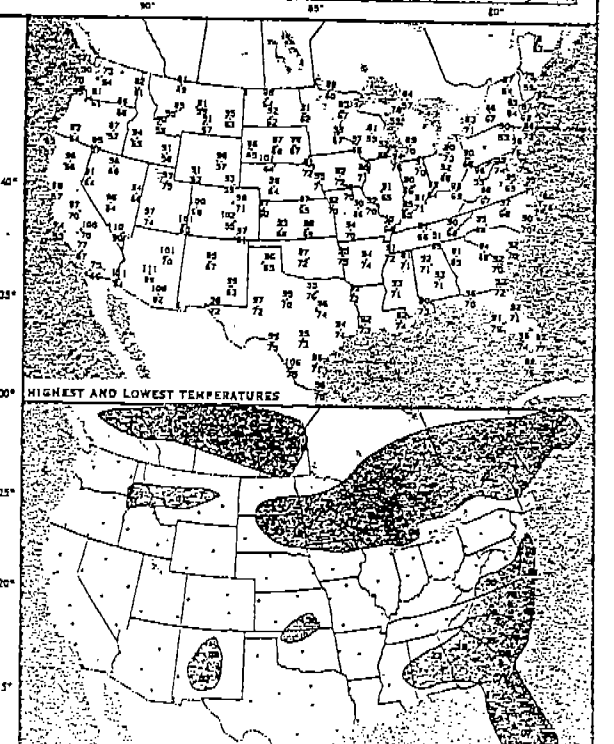
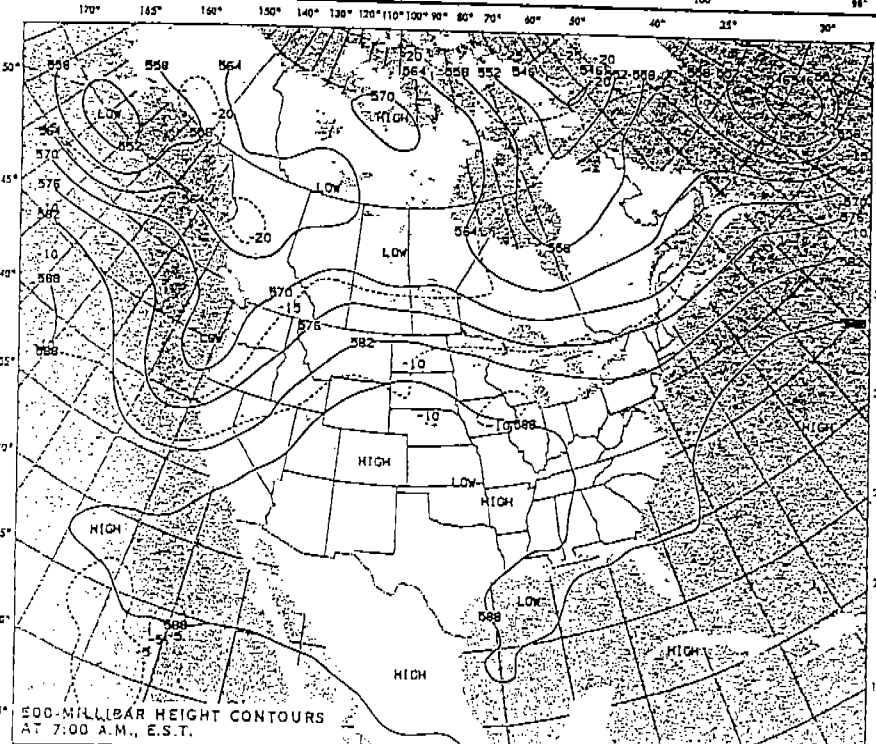
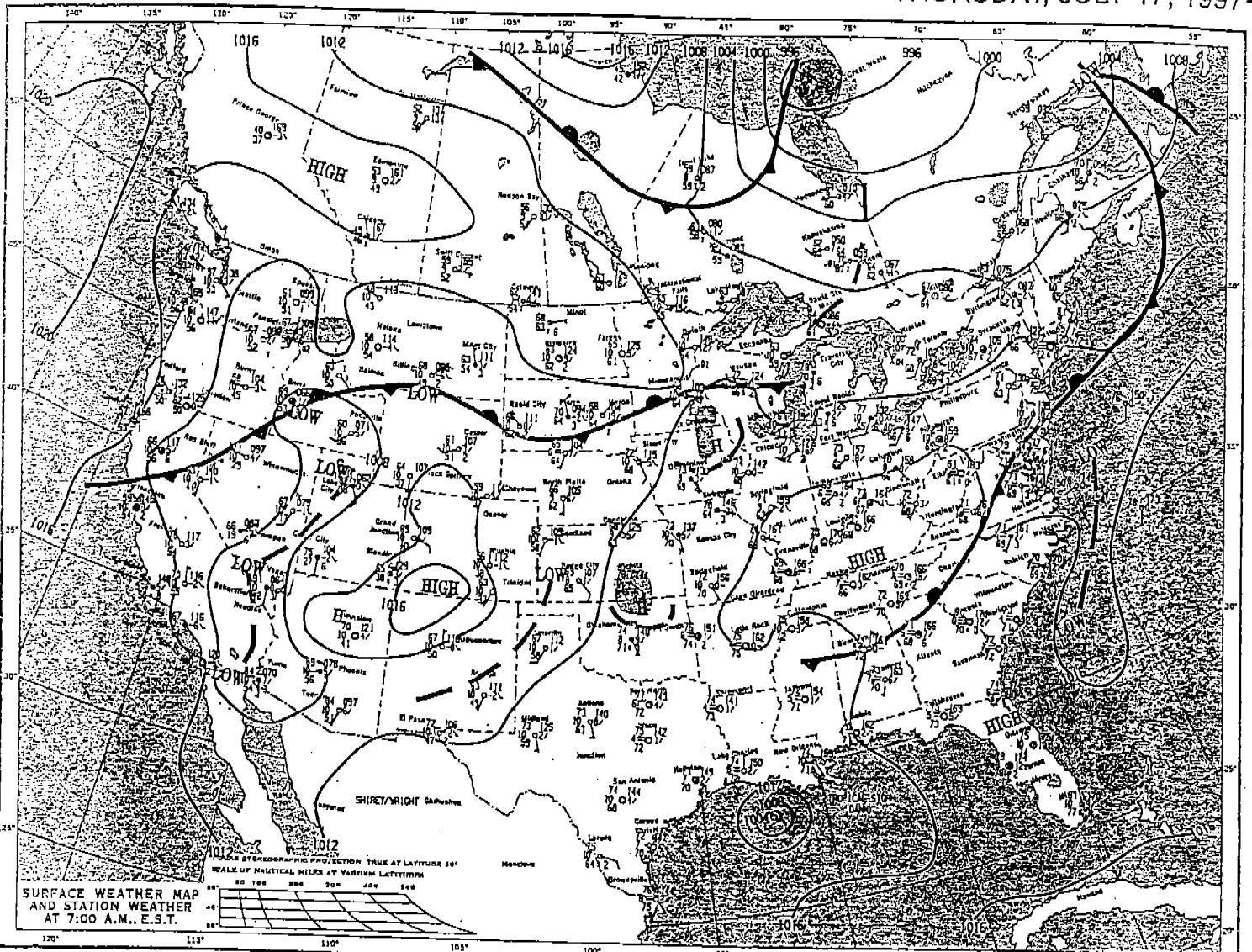
Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



THURSDAY, JULY 17, 1997





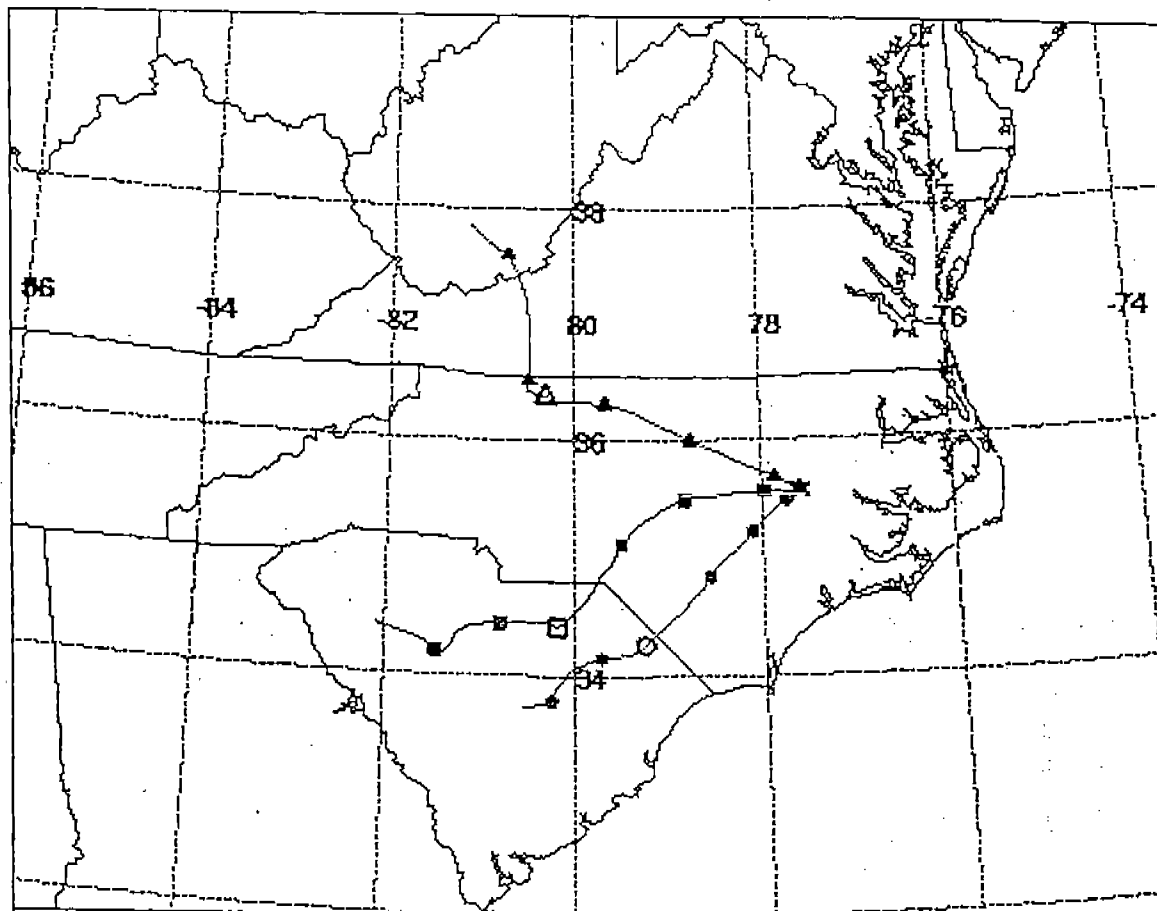
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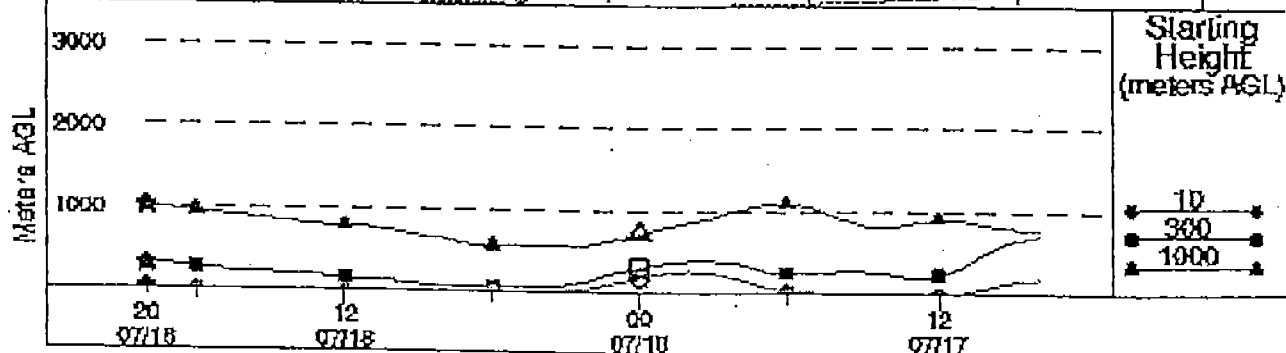
NOAA AIR RESOURCES LABORATORY

Backward Trajectories Ending - 20 UTC 18 JUL 97

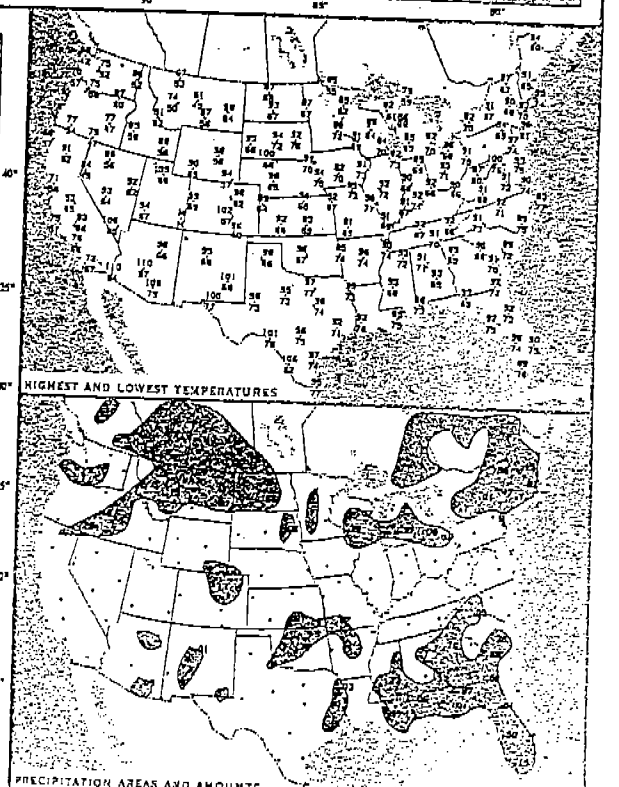
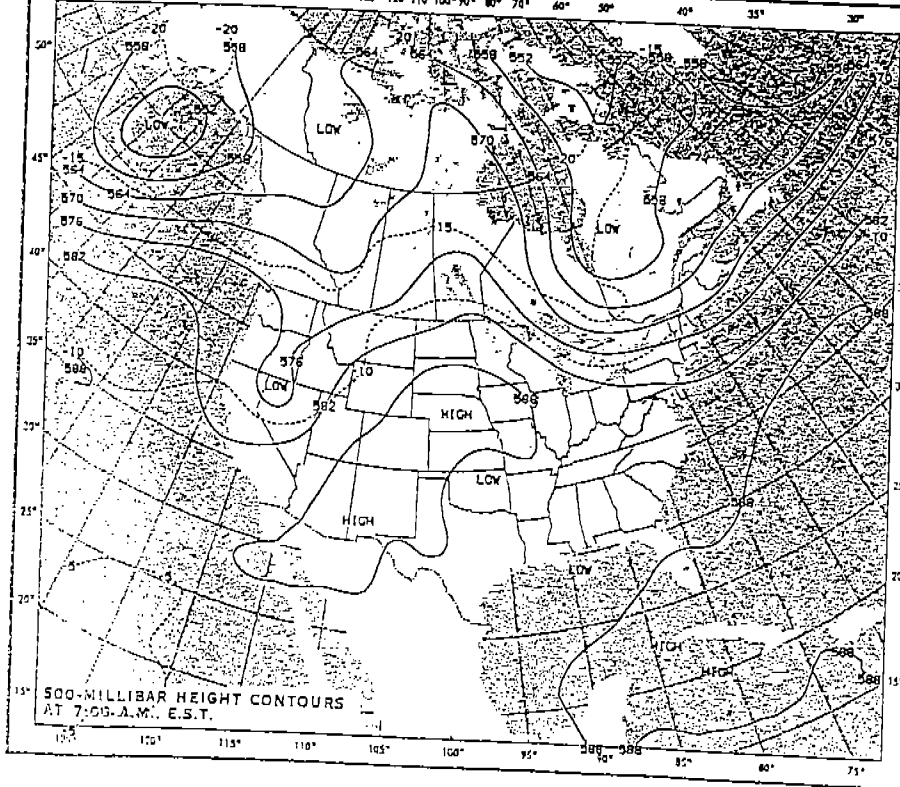
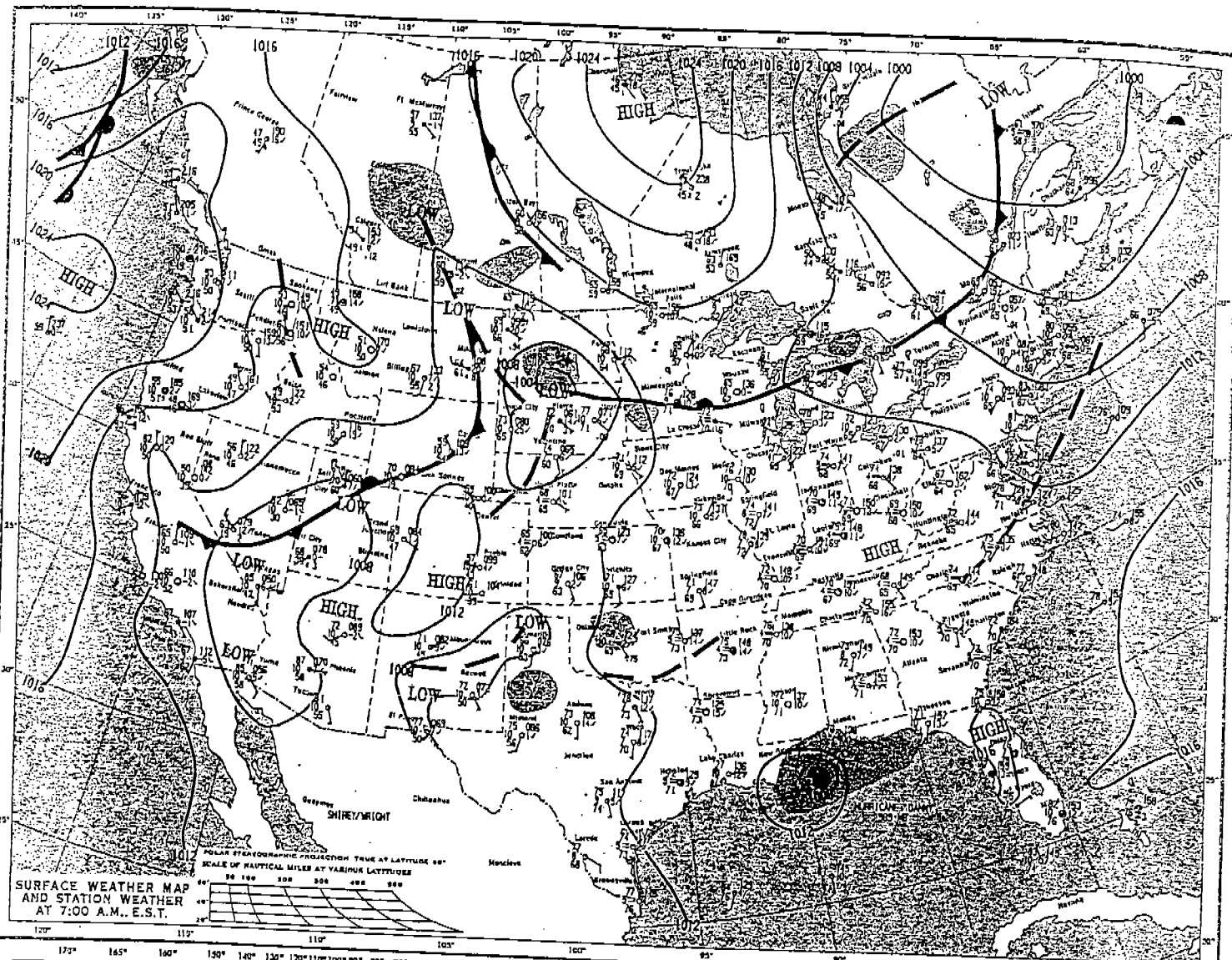
Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



FRIDAY, JULY 18, 1997



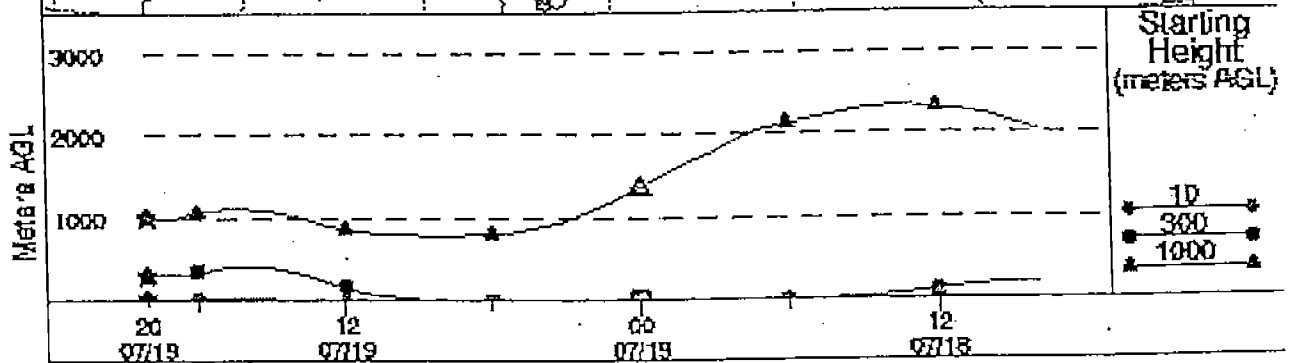
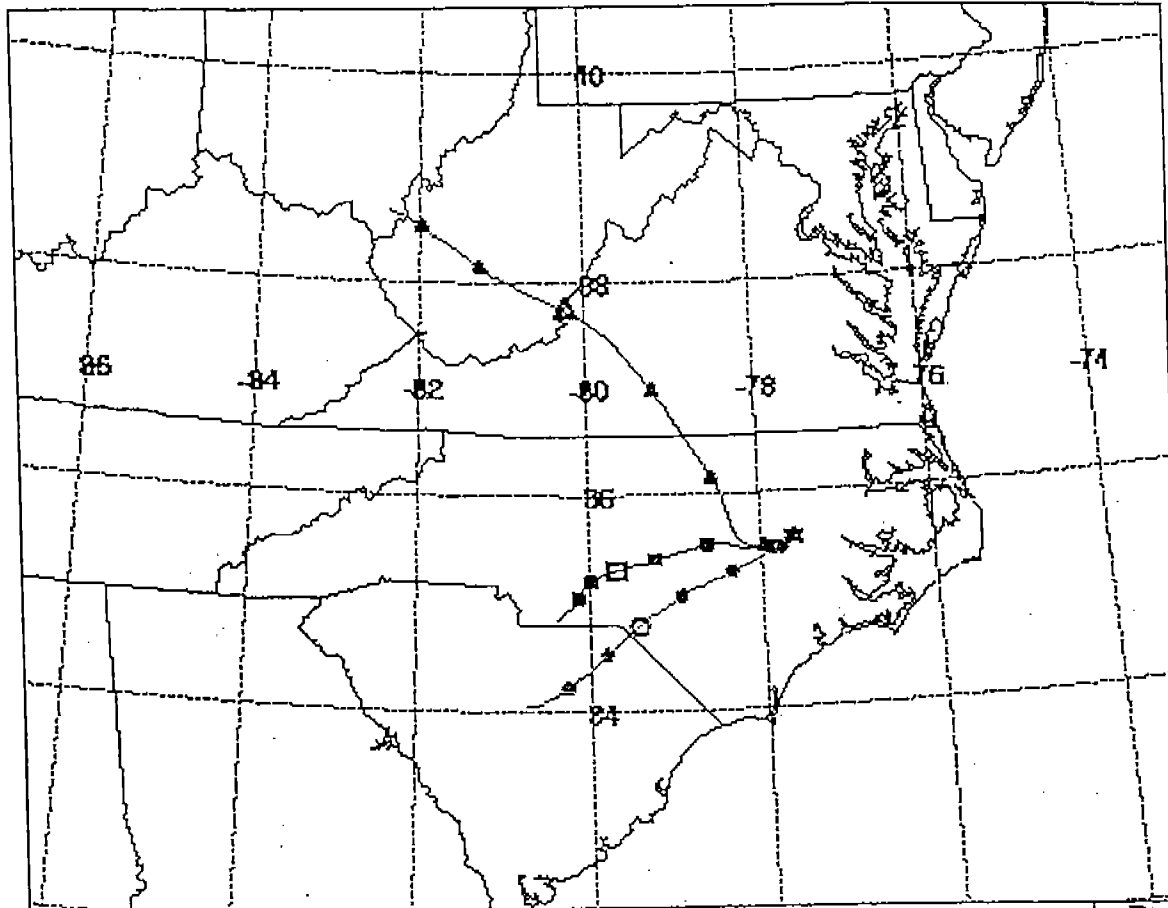


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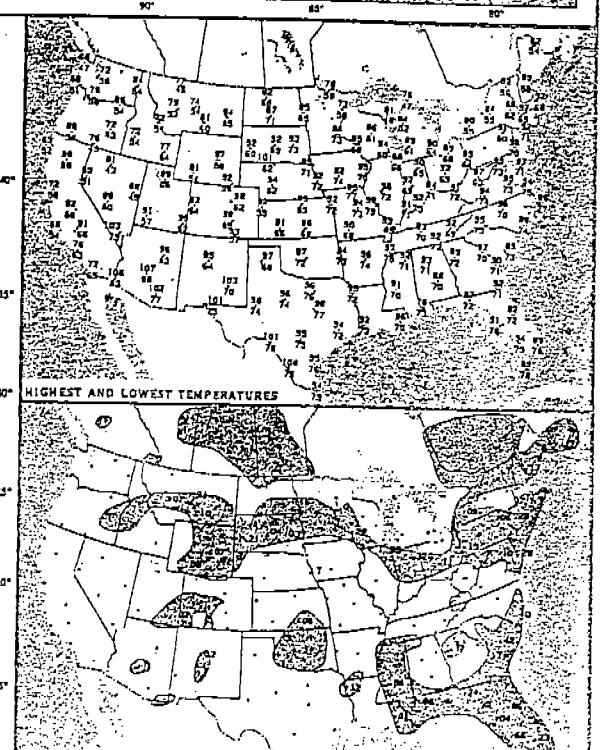
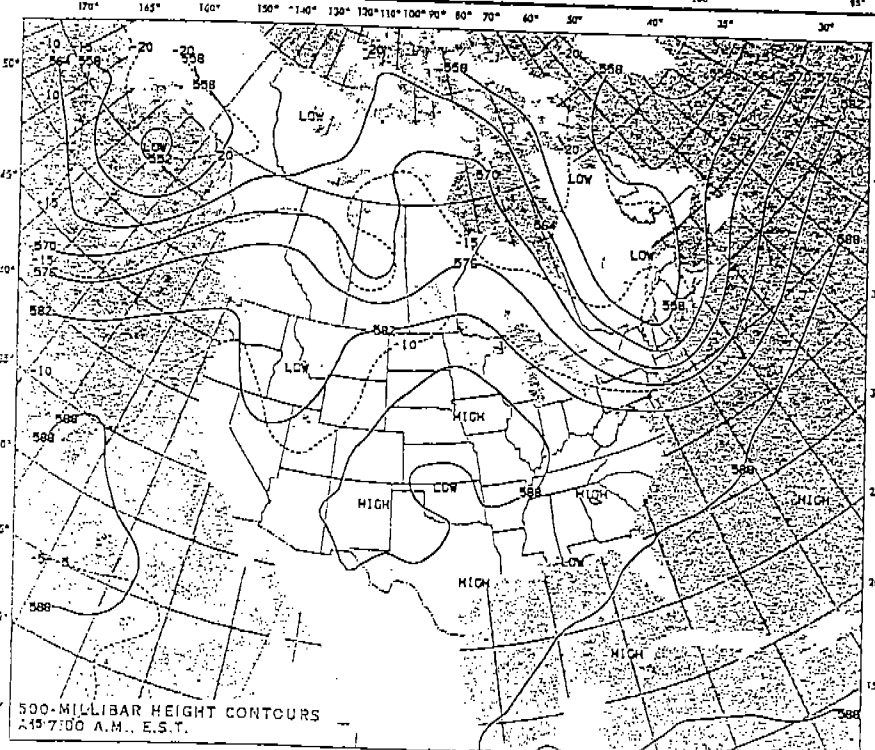
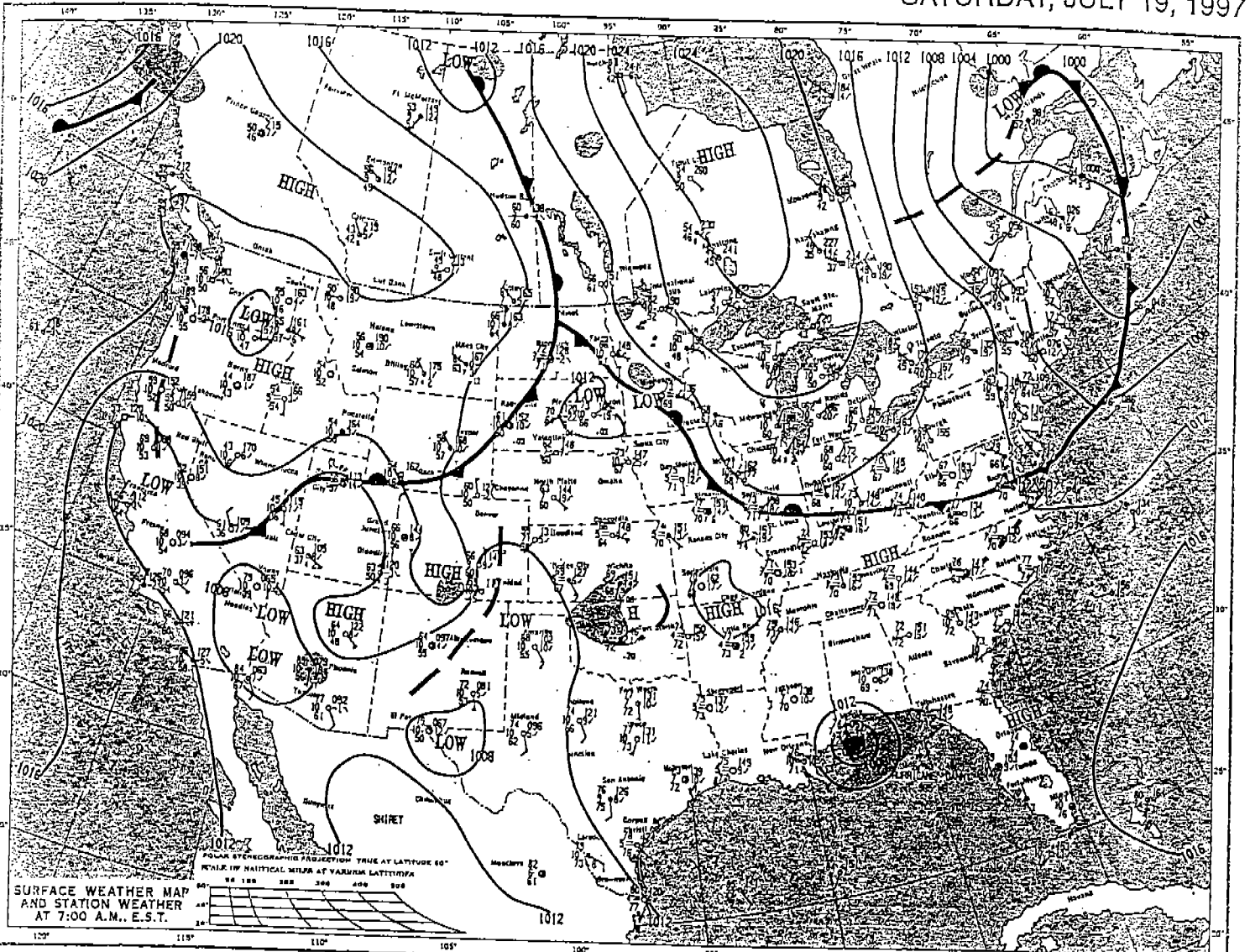
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 19 JUL 97

Source Location * at 35.58 N 77.60 W



SATURDAY, JULY 19, 1997



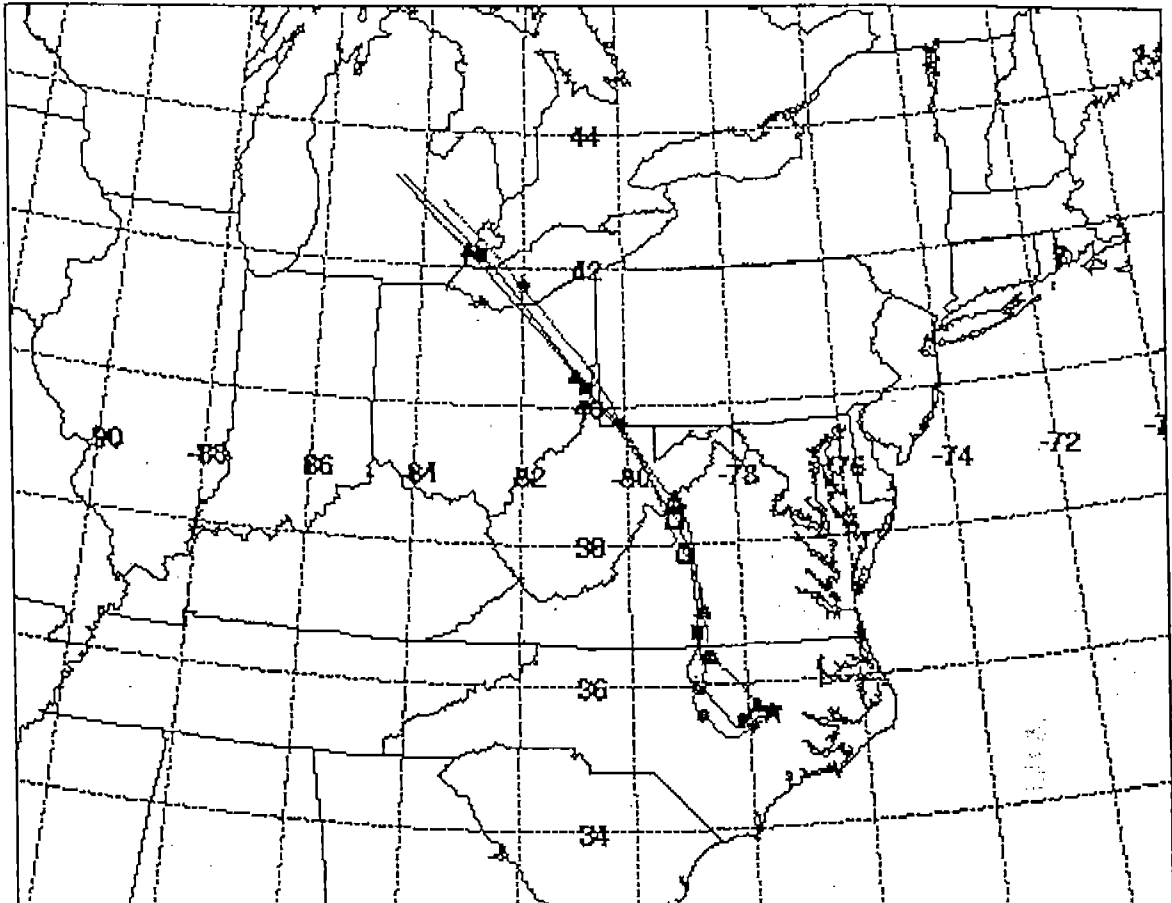


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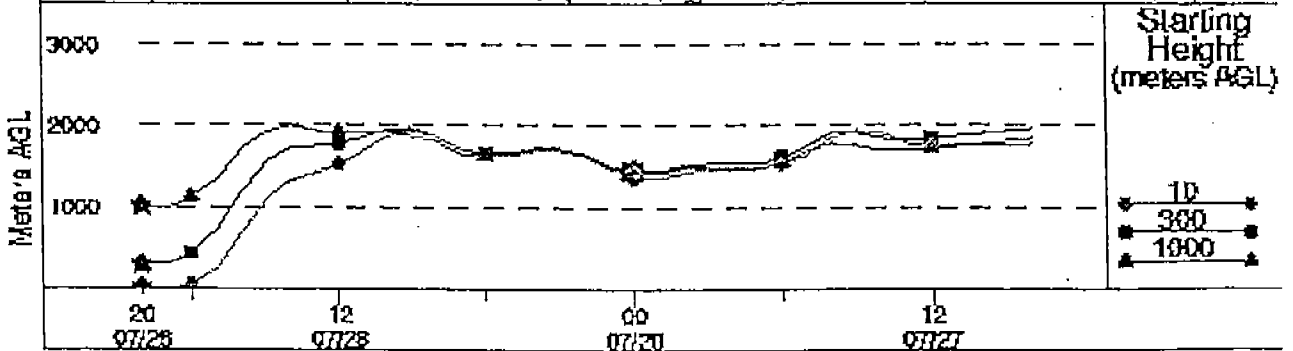
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 28 JUL 97

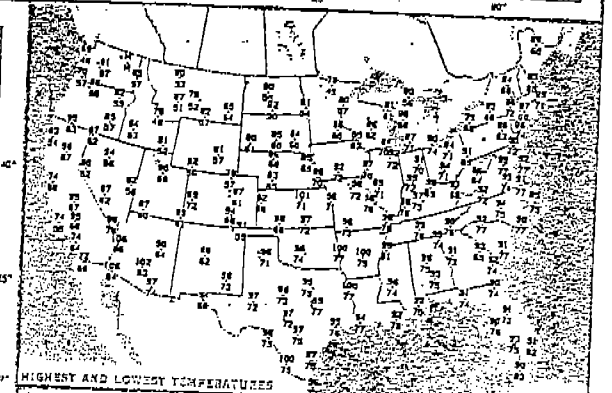
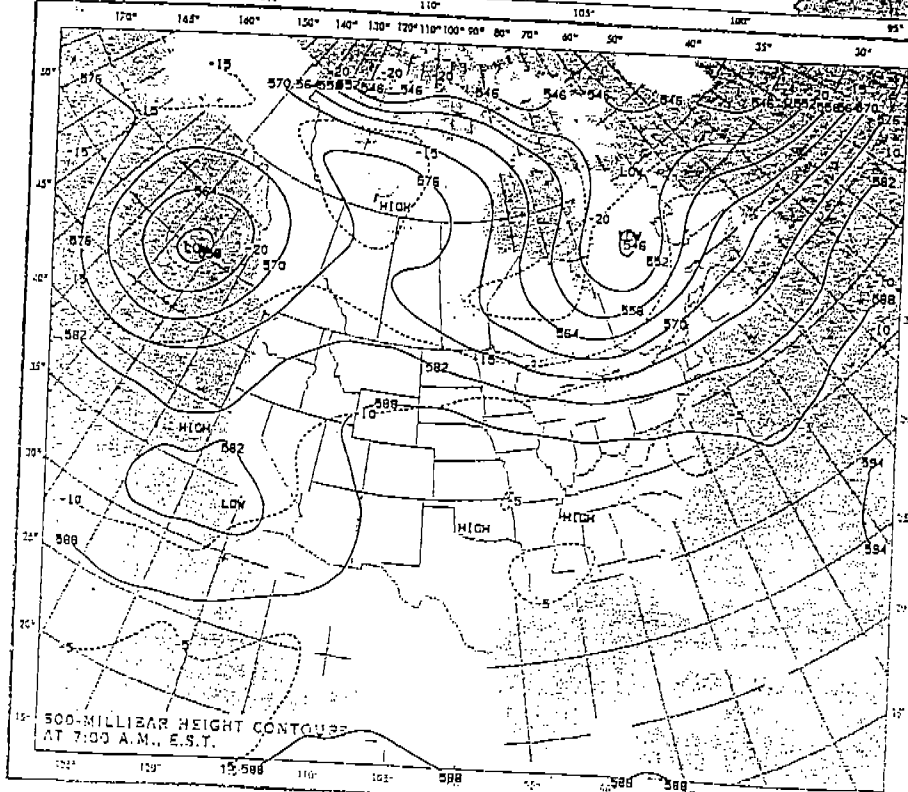
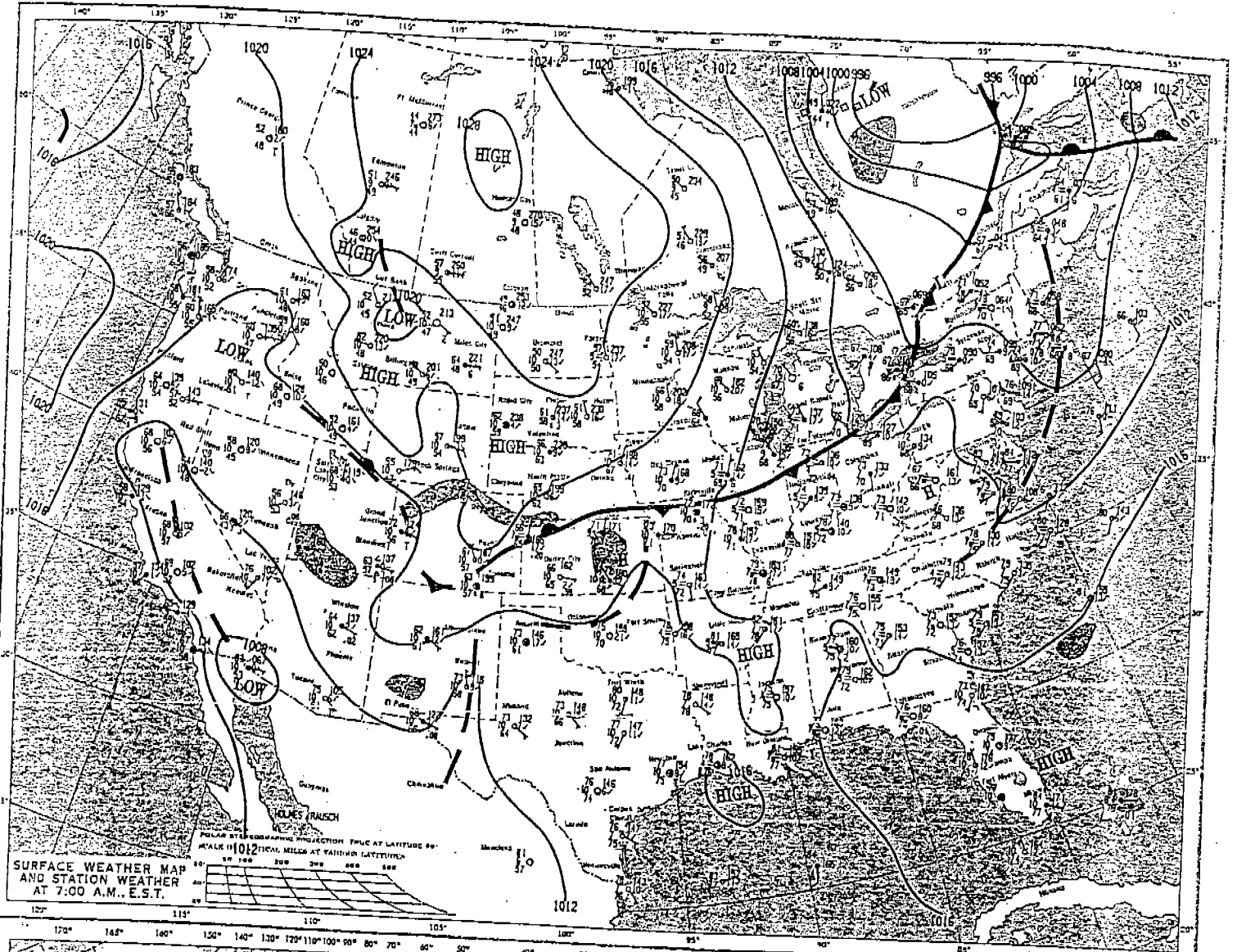
Source Location * at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



MONDAY, JULY 28, 1997





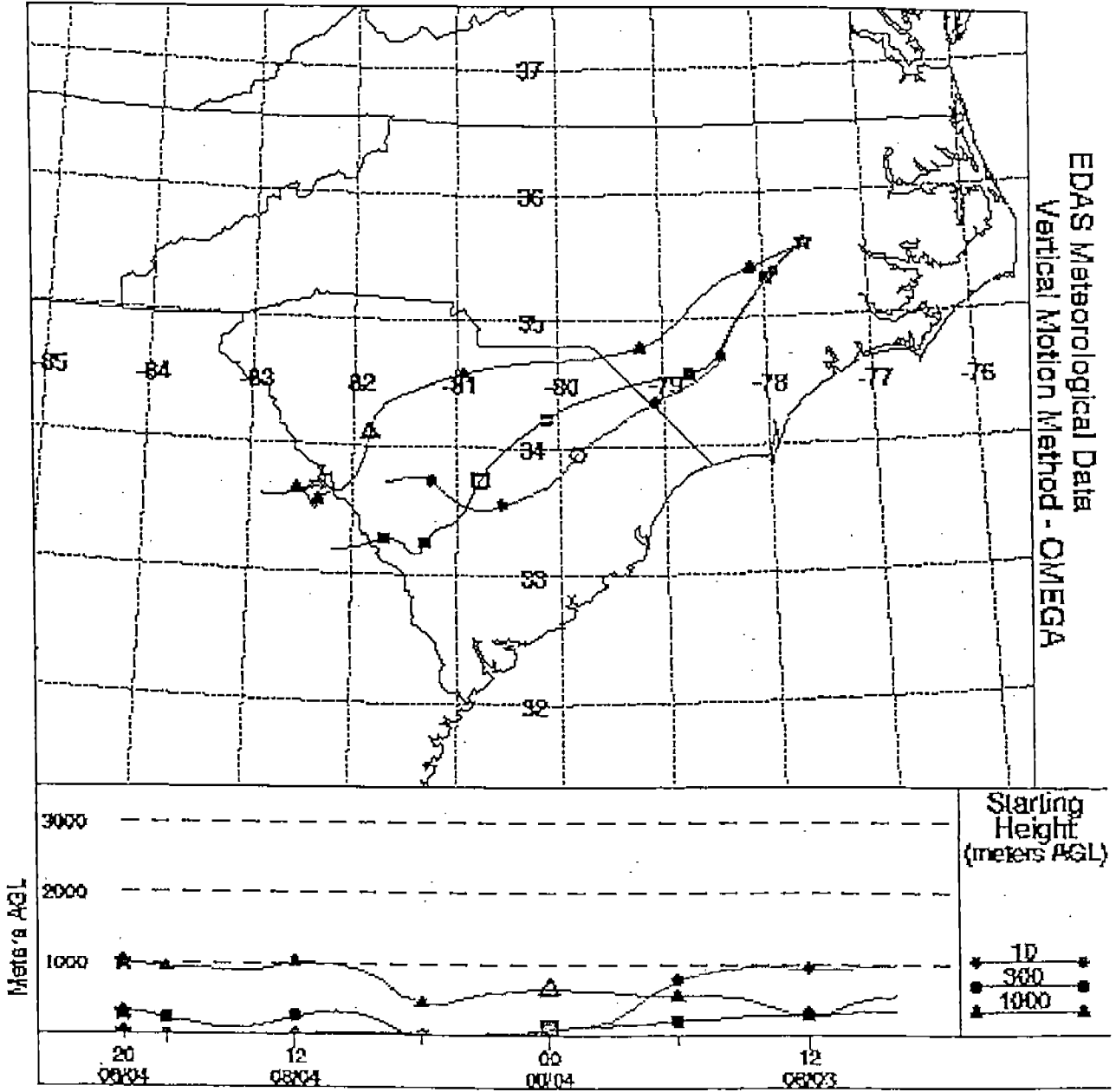
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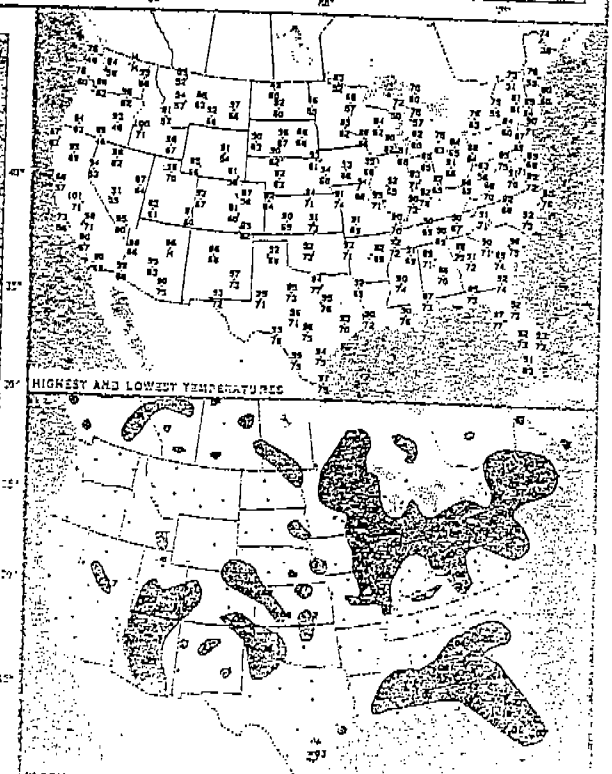
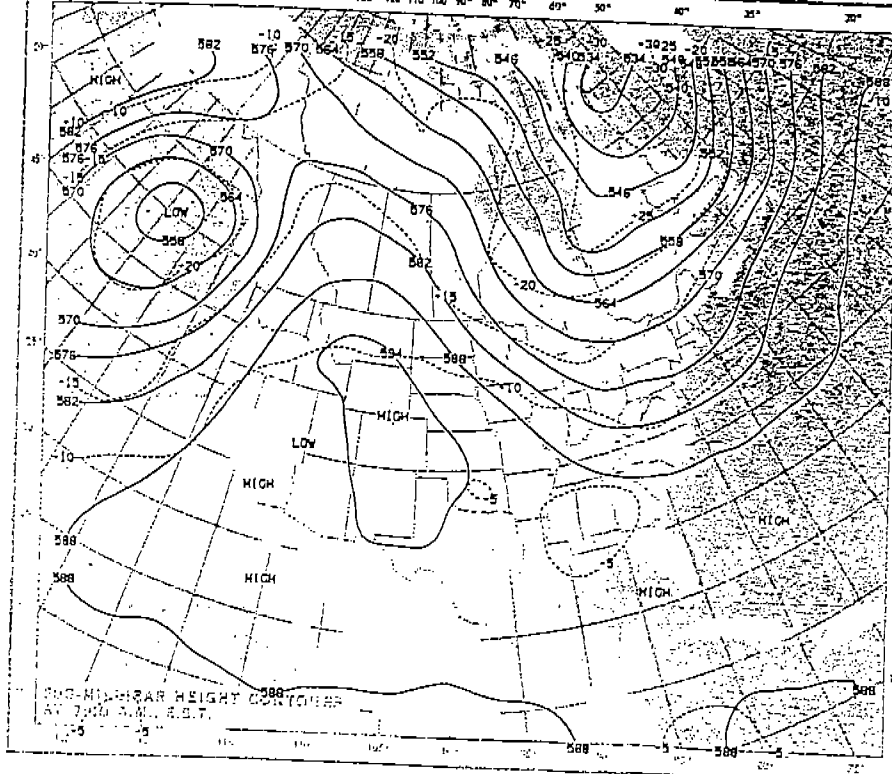
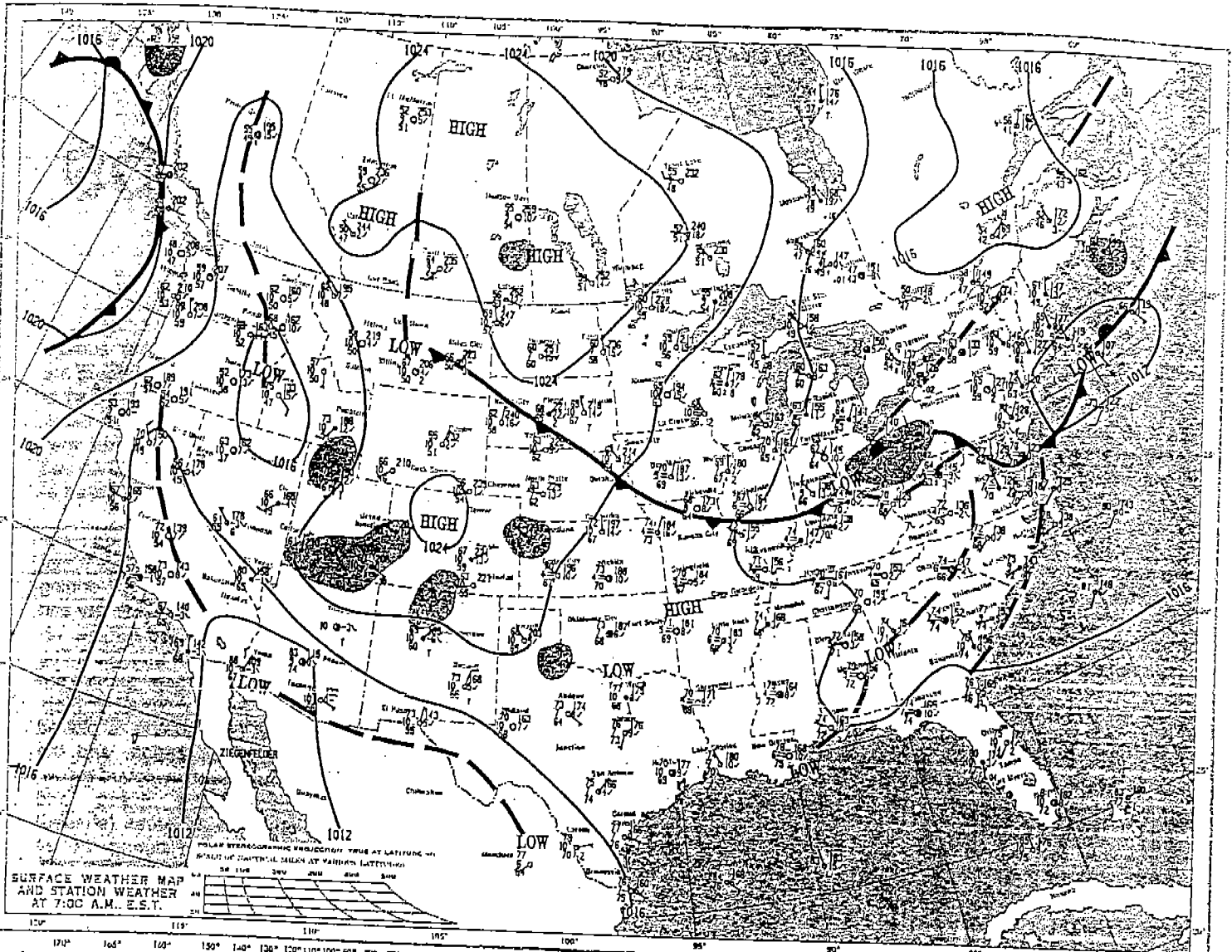
NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 04 AUG 97

Source Location ★ at 35.58 N 77.60 W

EDAS Meteorological Data
Vertical Motion Method - OMEGA



MONDAY, AUGUST 4, 1997



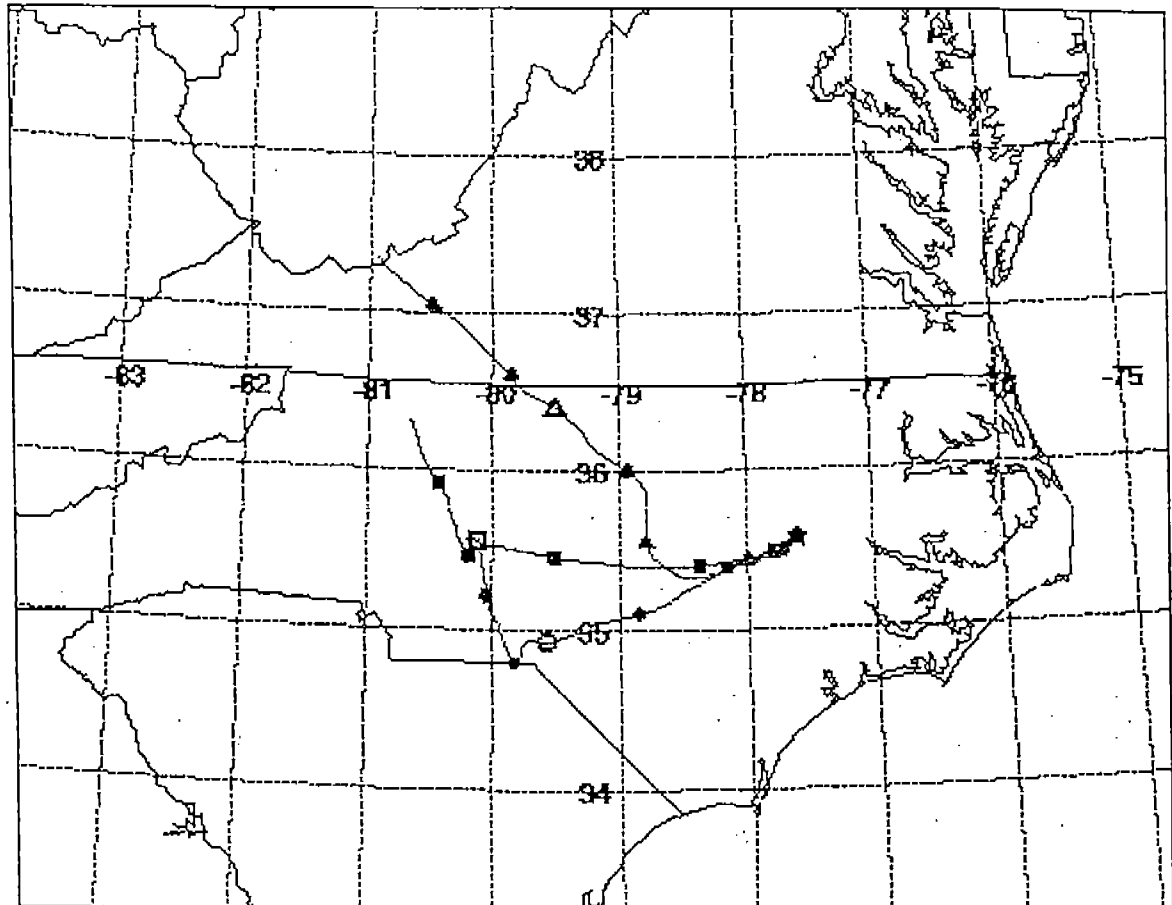


NOAA Air Resources Laboratory

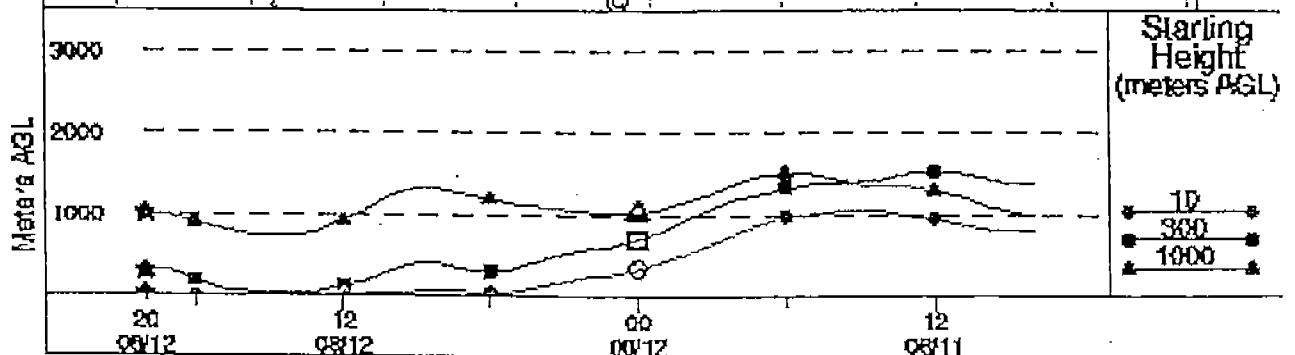
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NOAA AIR RESOURCES LABORATORY Backward Trajectories Ending- 20 UTC 12 AUG 97

Source Location ★ at 35.58 N 77.60 W



EDAS Meteorological Data
Vertical Motion Method - OMEGA



Starting Height (meters AGL)

1000
3000
1000

TUESDAY, AUGUST 12, 1997

