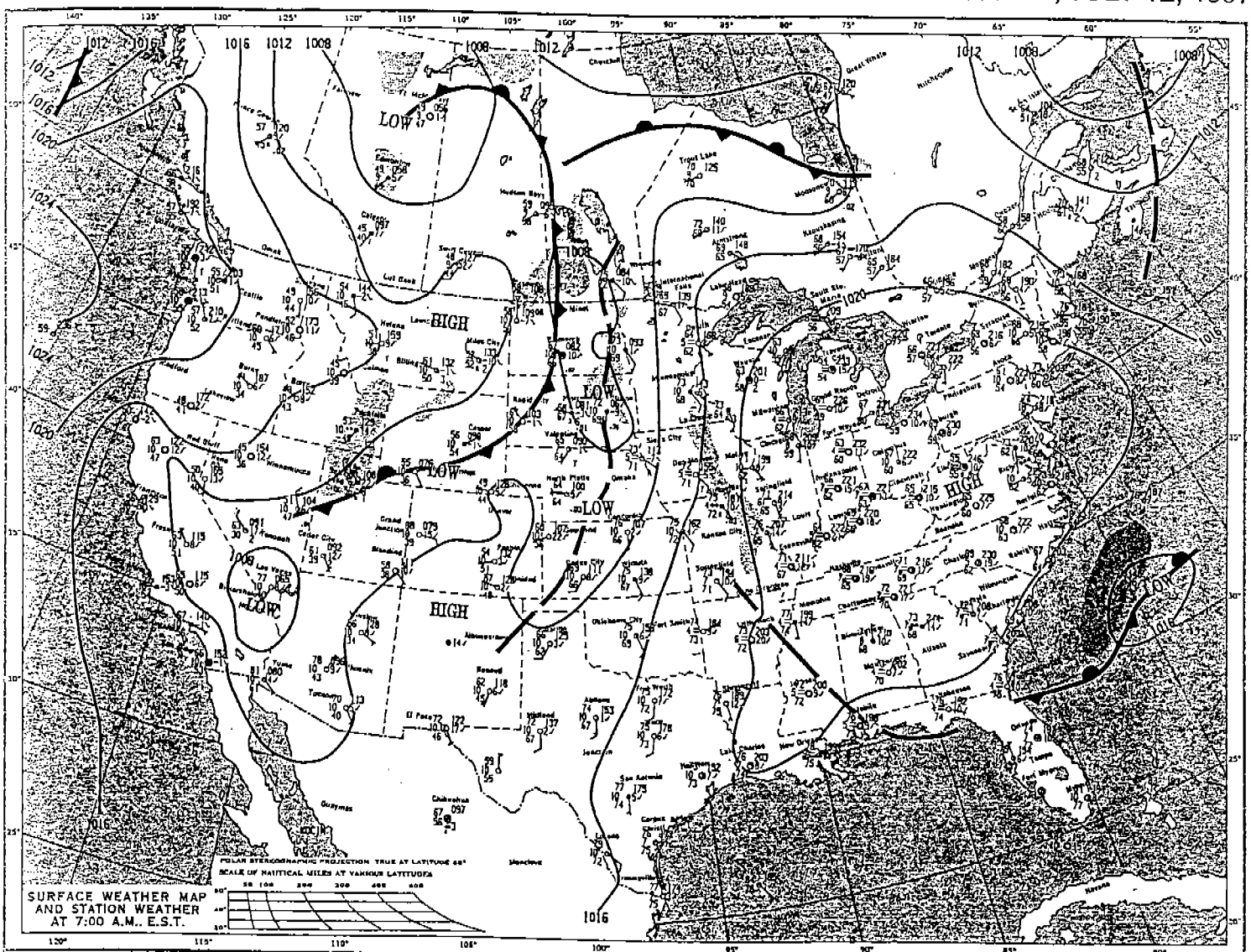
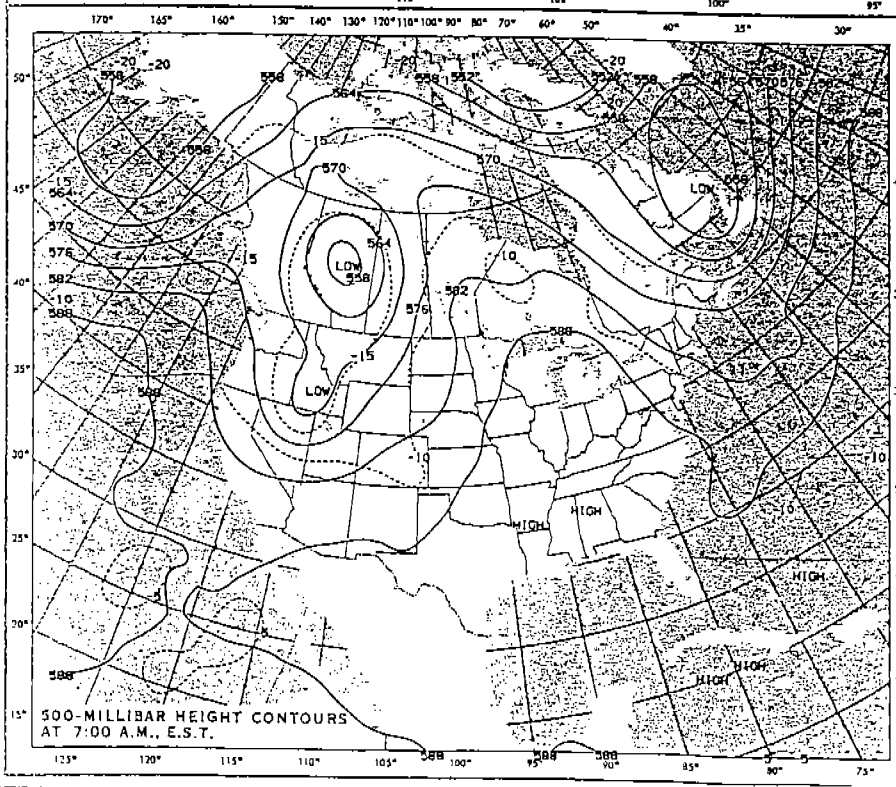
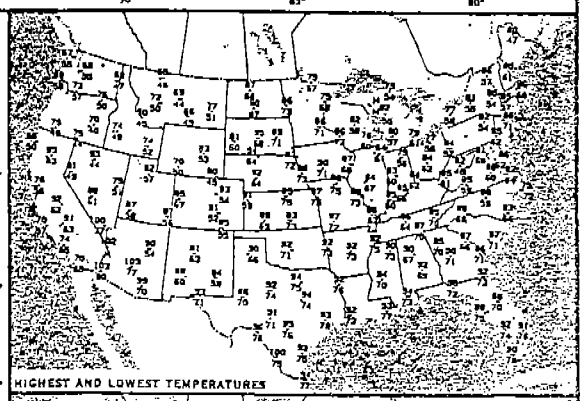
SATURDAY, JULY 12, 1997



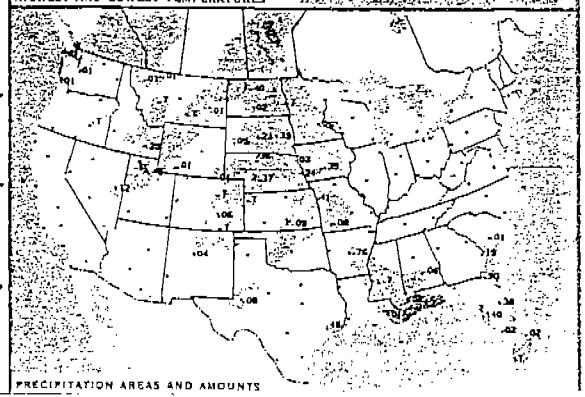
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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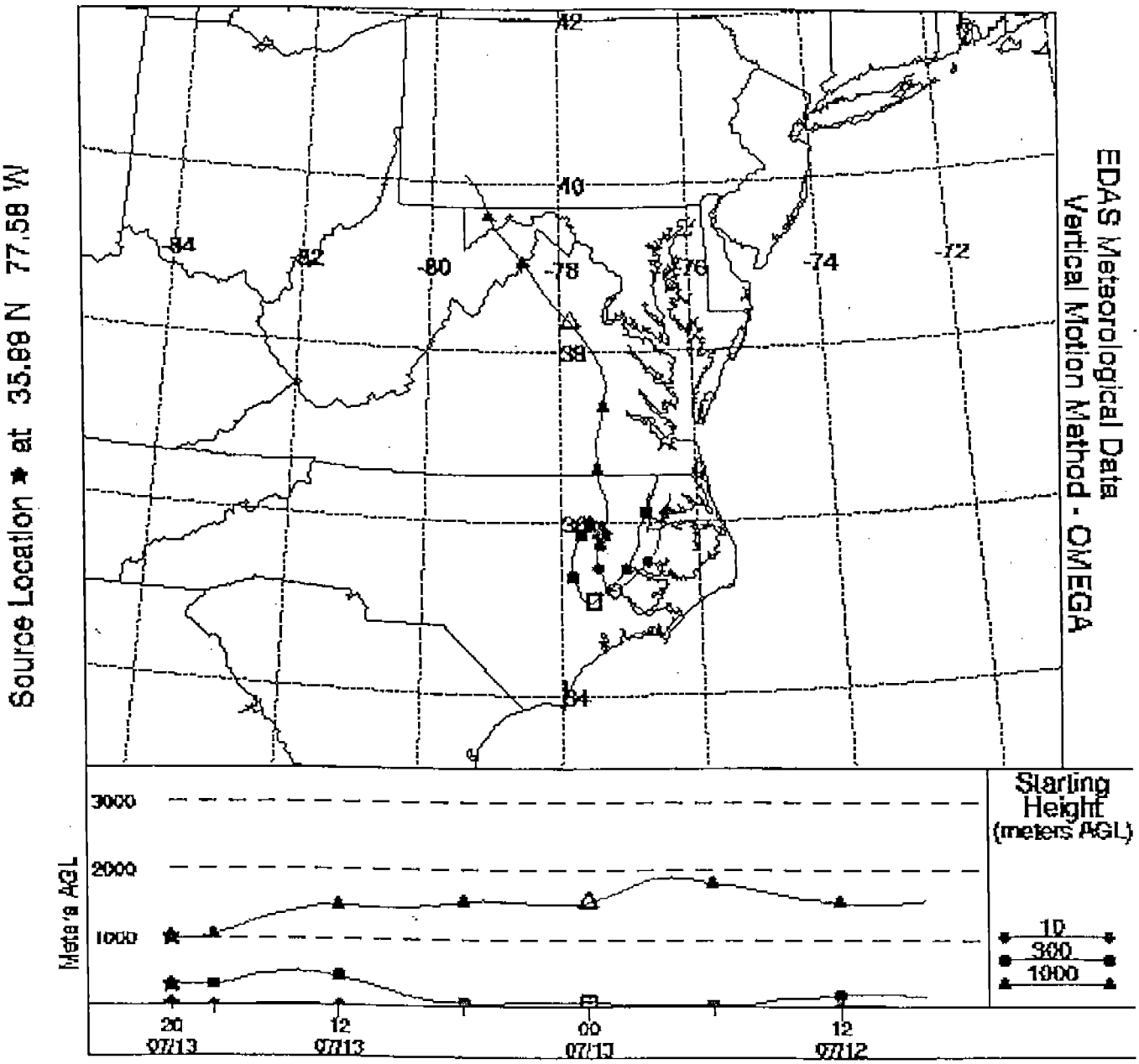
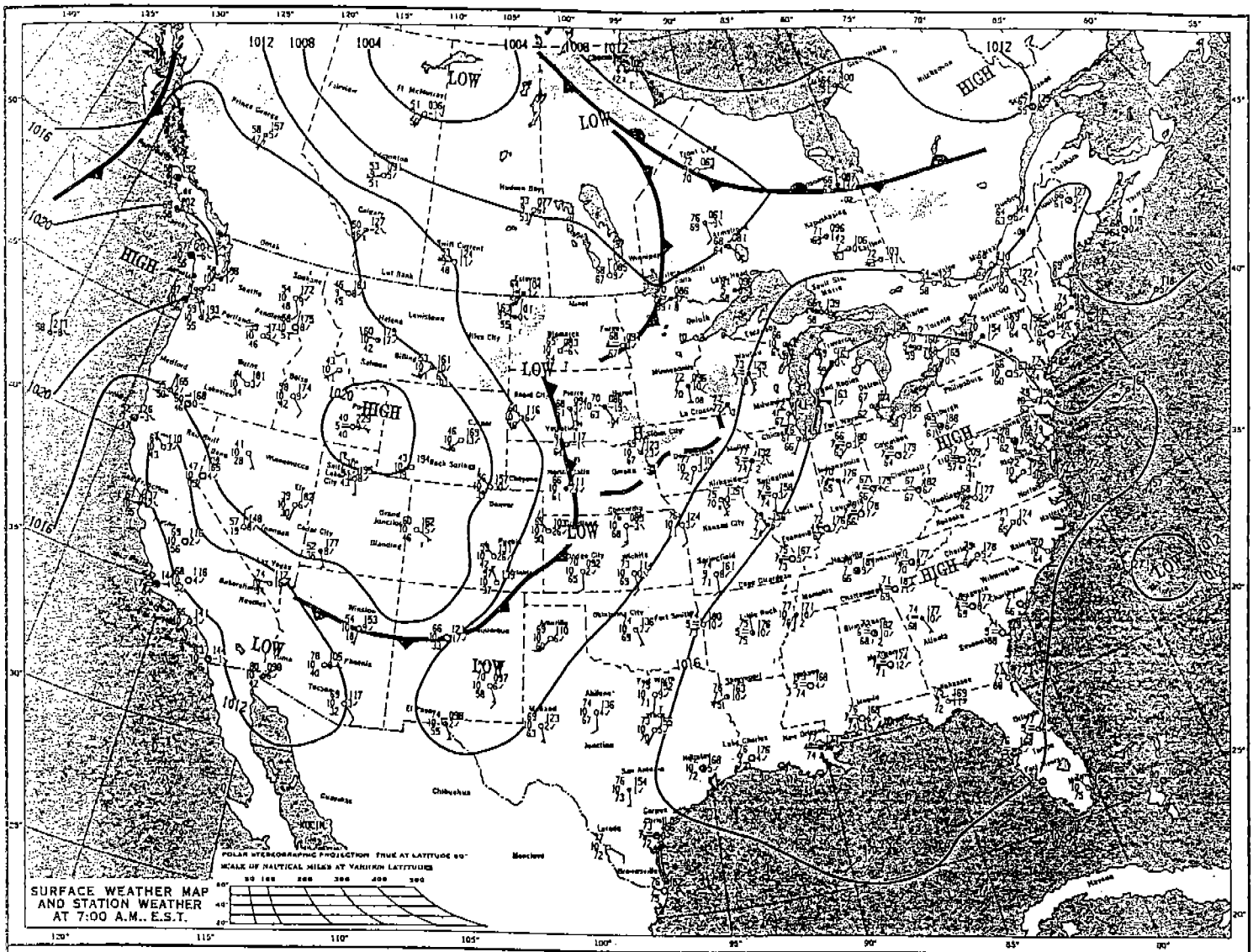
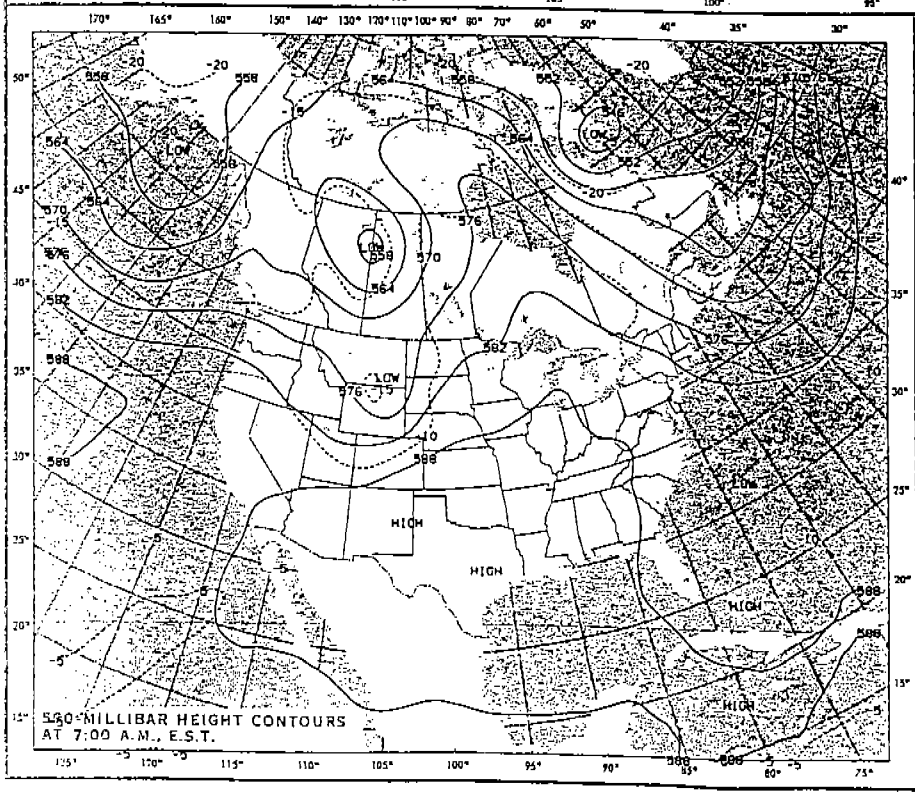
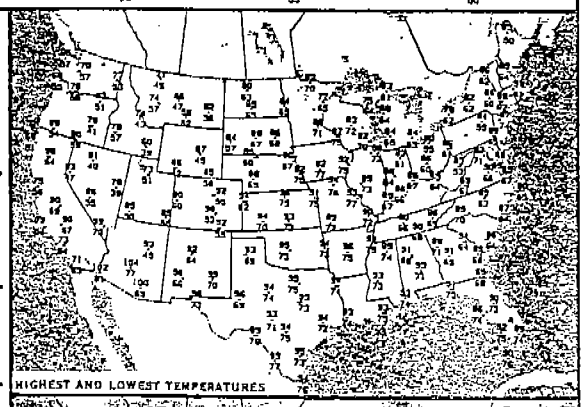
Backward Trajectories Ending- 20 UTC 13 JUL 97

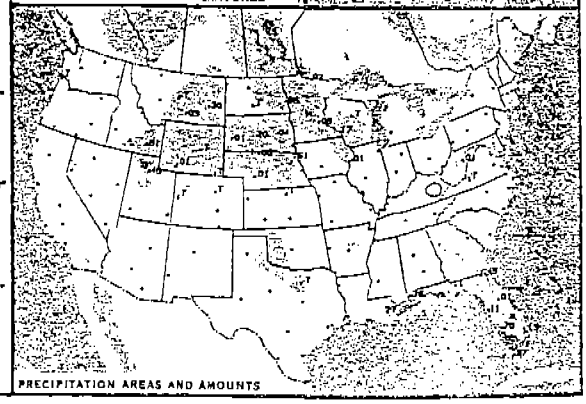


SUNDAY, JULY 13, 1997









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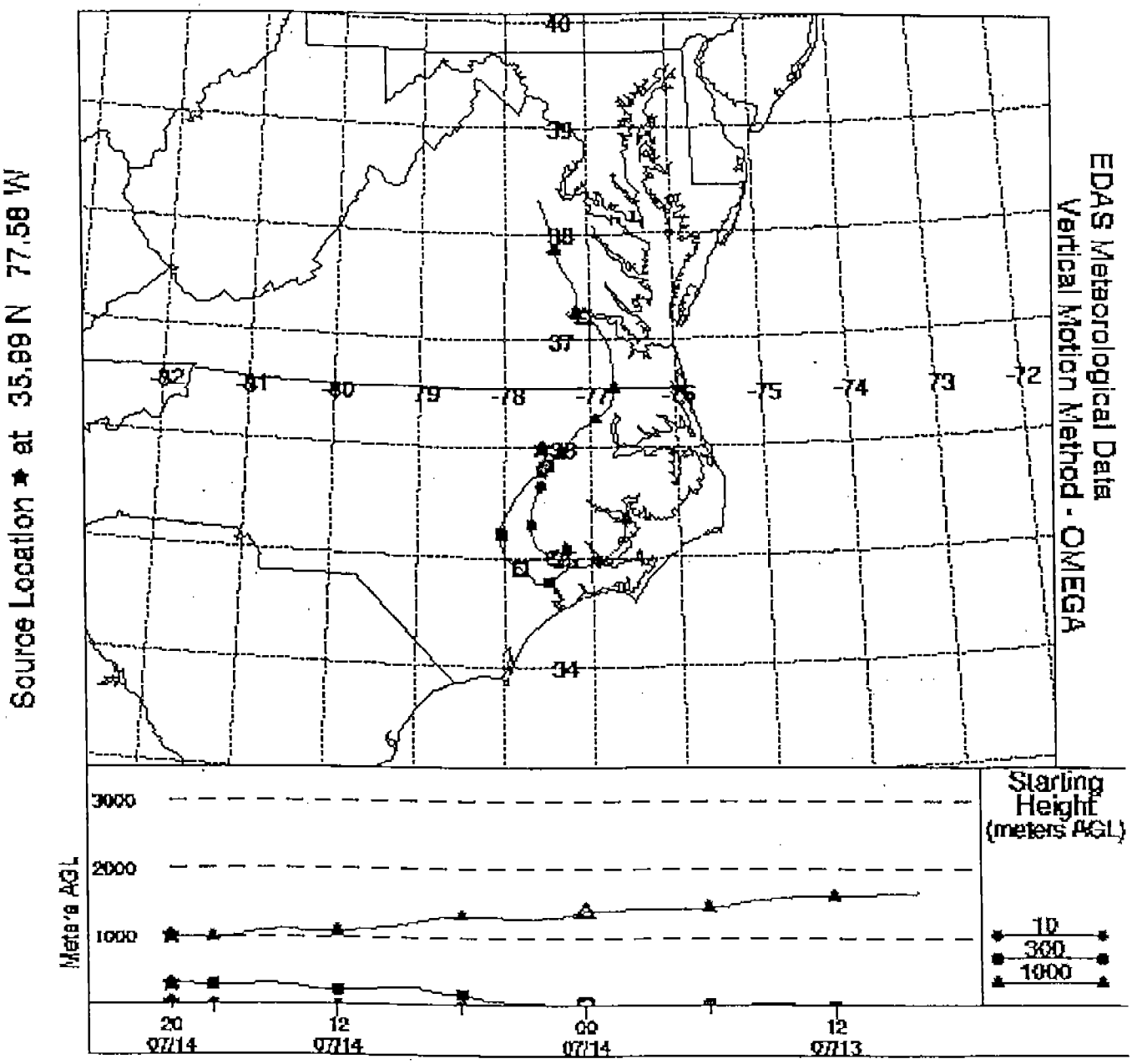
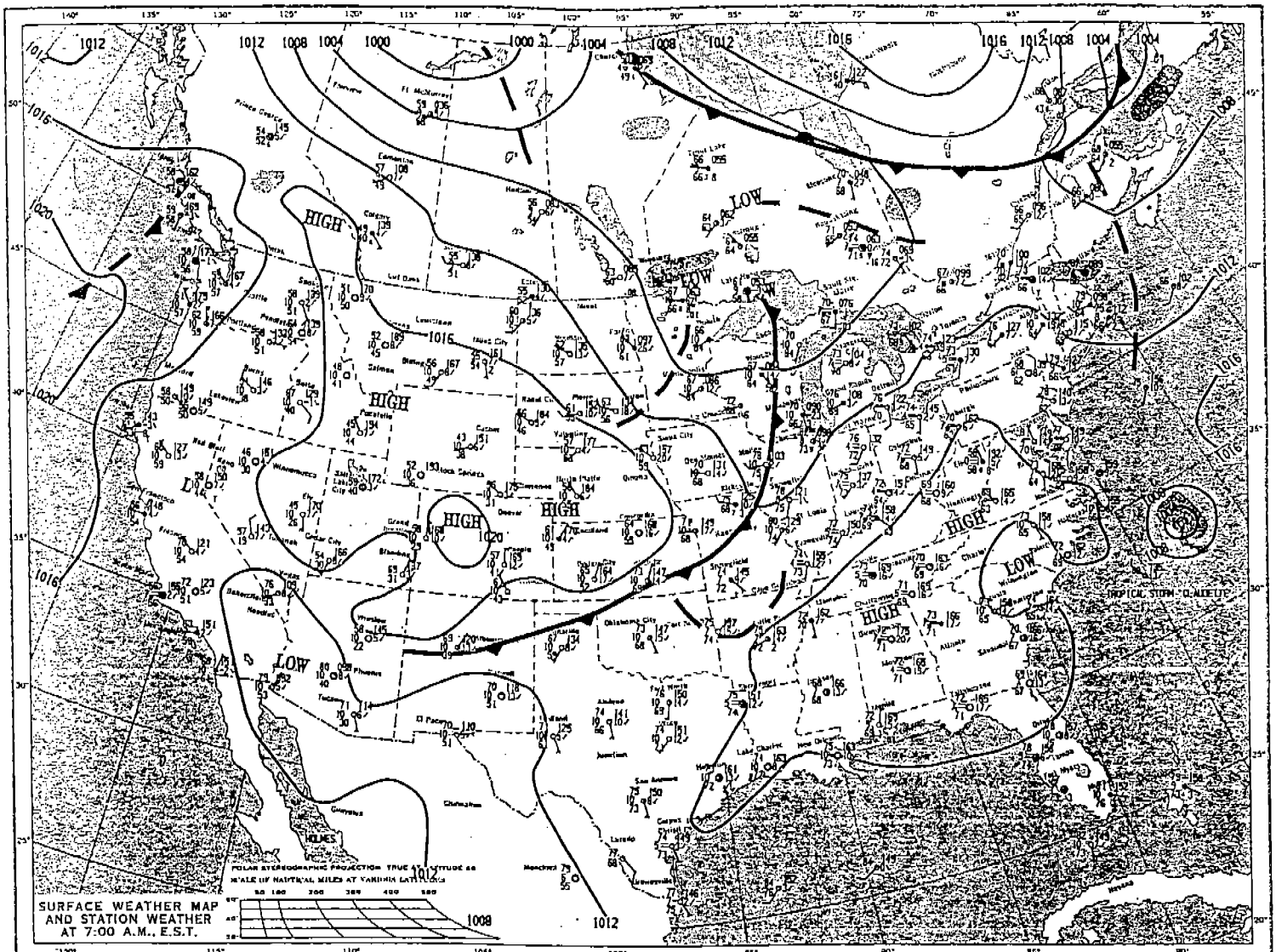
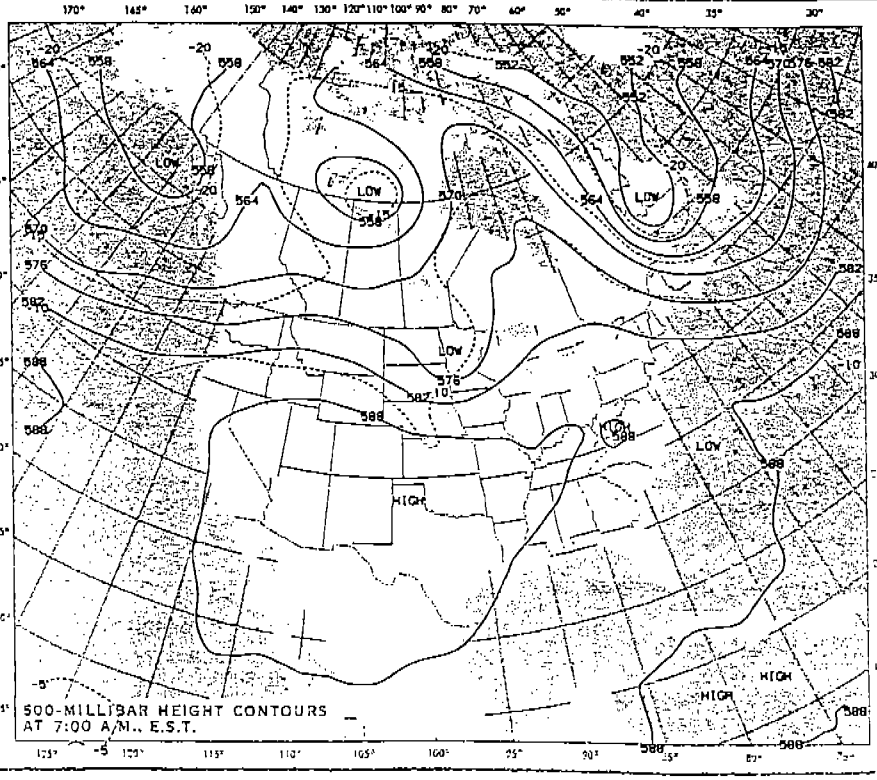
Backward Trajectories Ending- 20 UTC 14 JUL 97



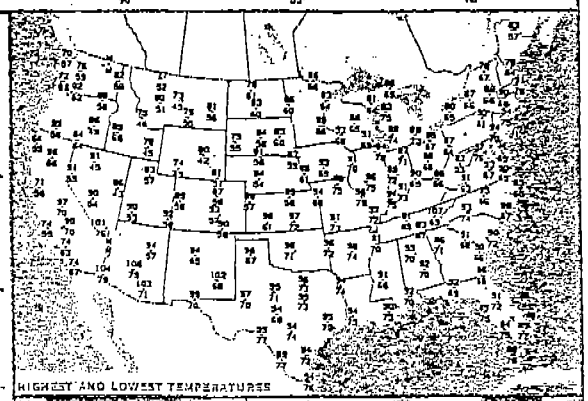
MONDAY, JULY 14, 1997



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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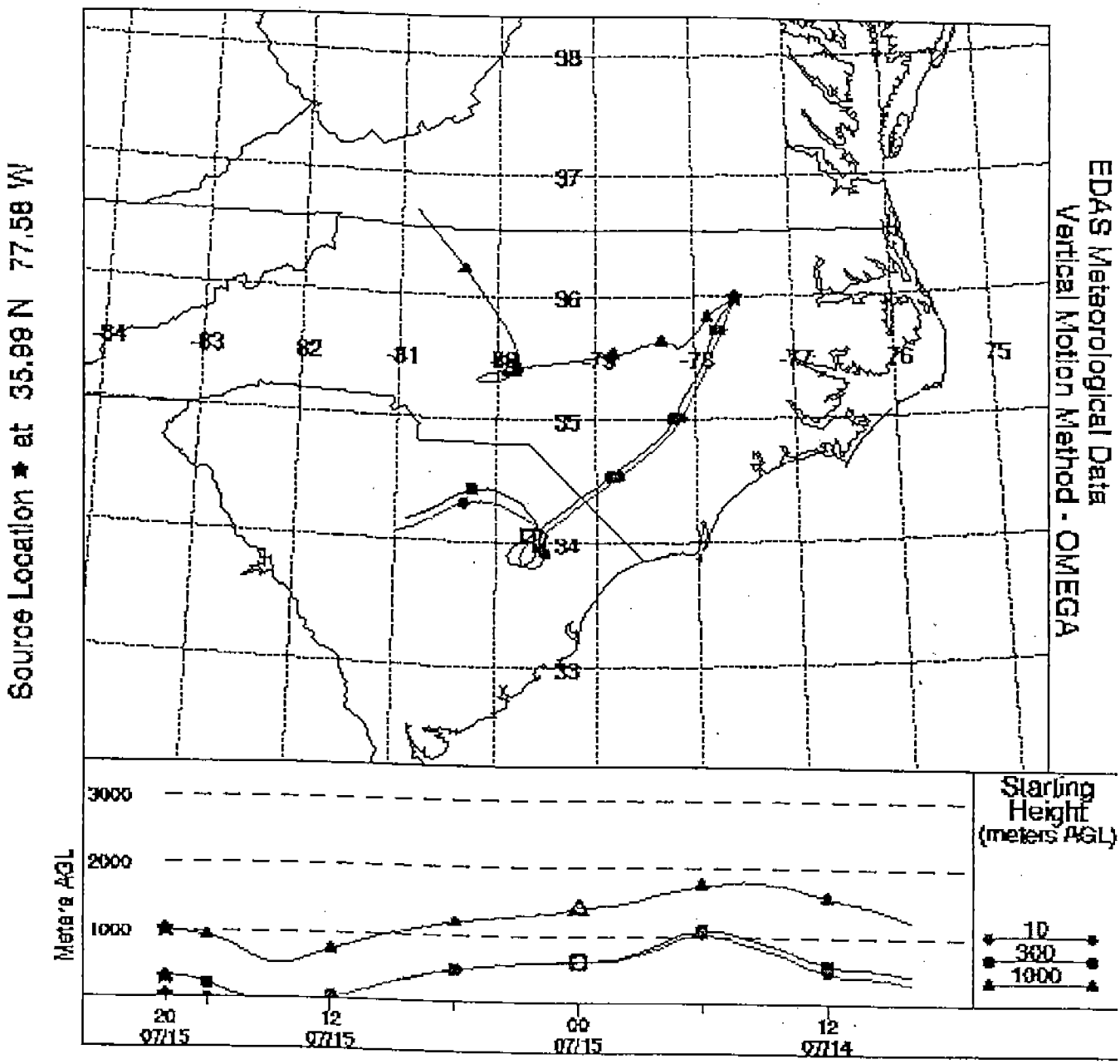
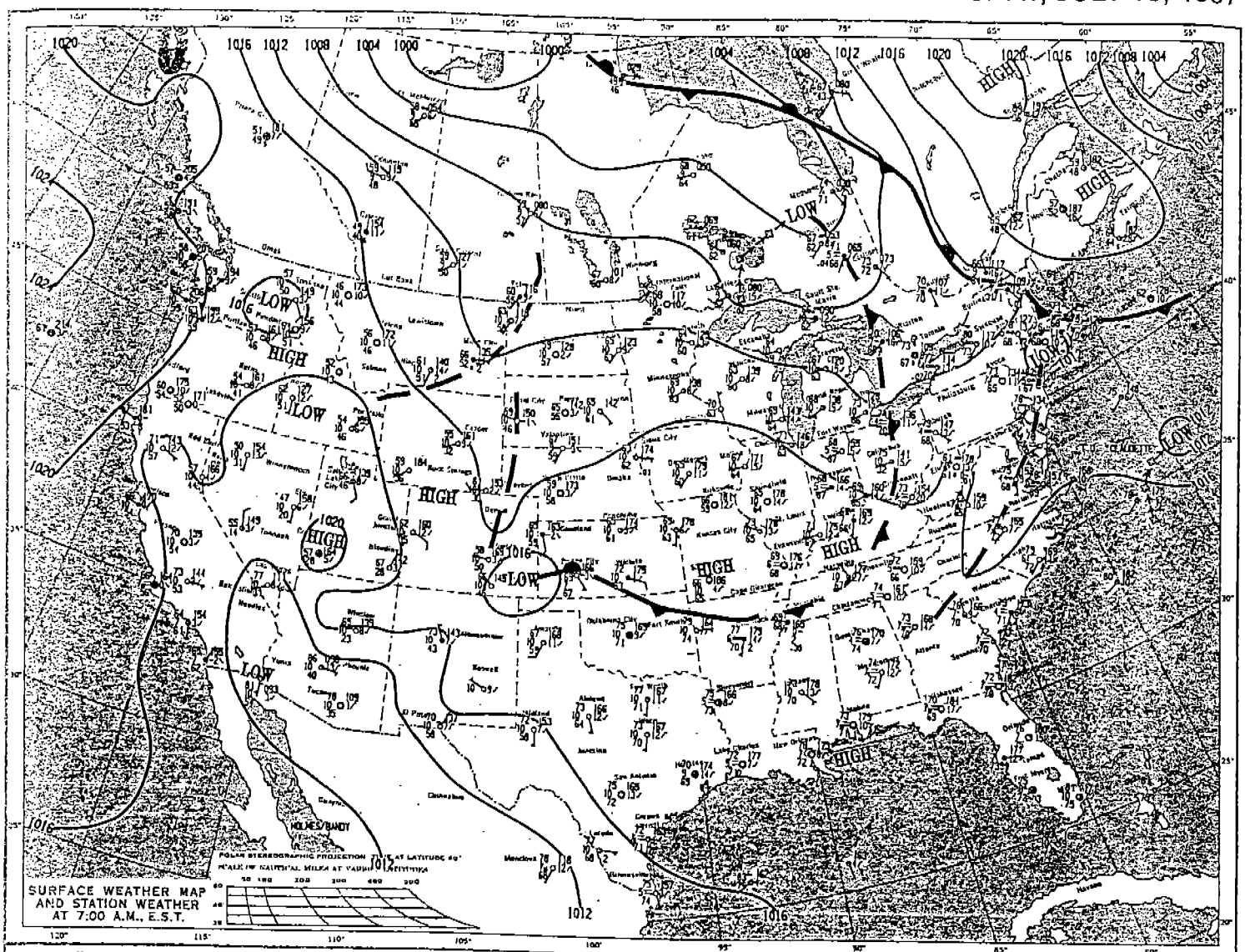
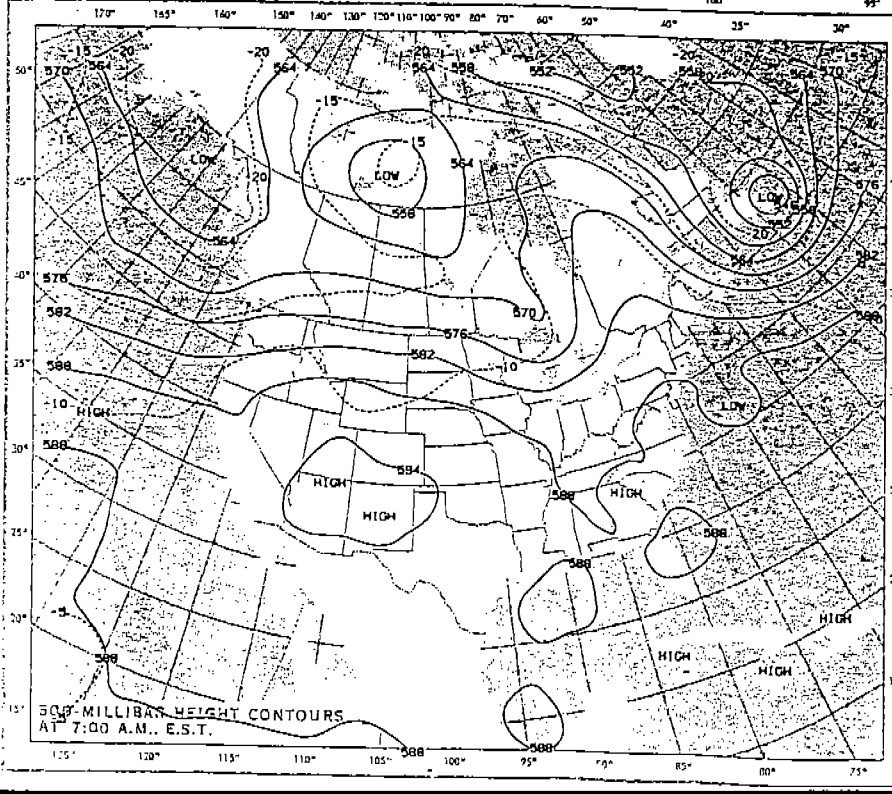
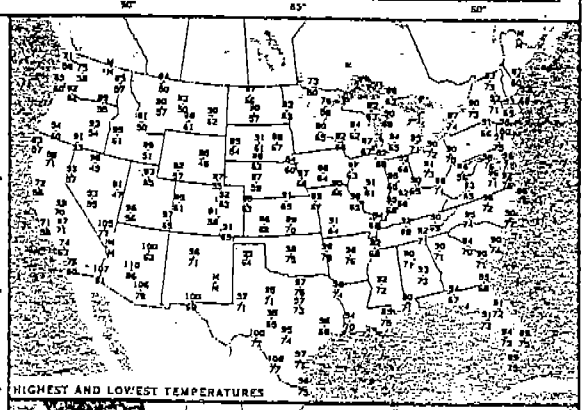
Backward Trajectories Ending- 20 UTC 15 JUL 97



TUESDAY, JULY 15, 1997







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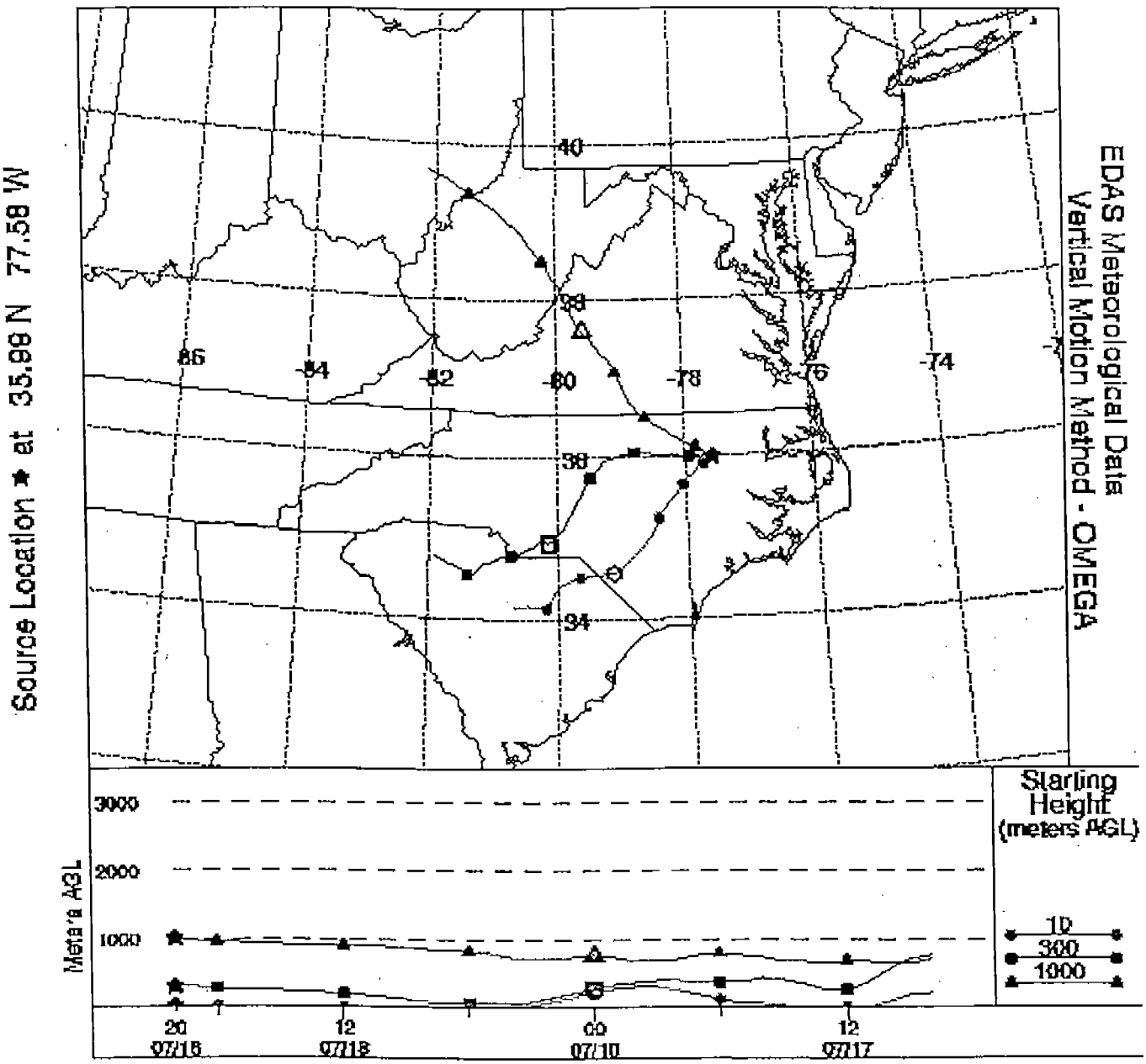
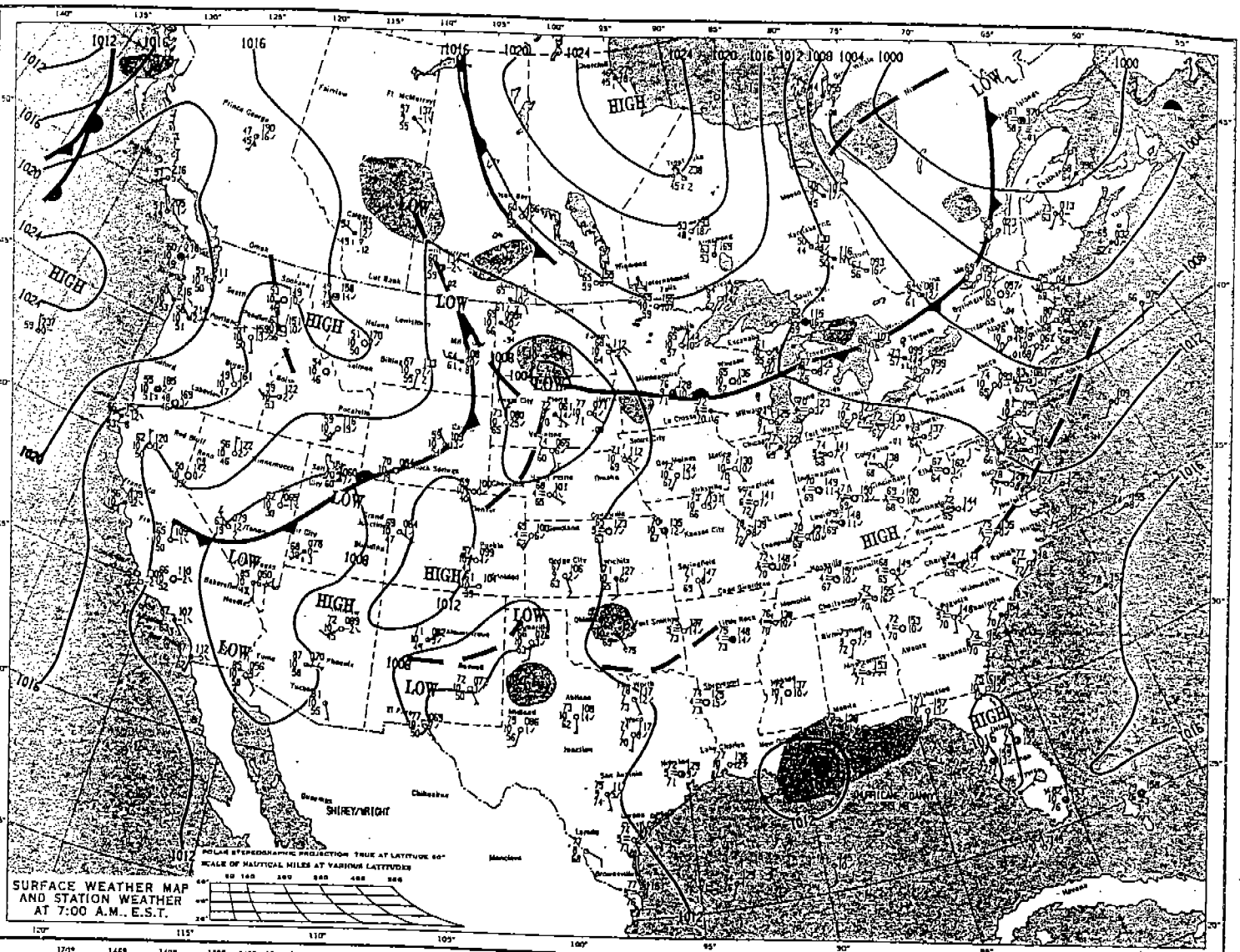
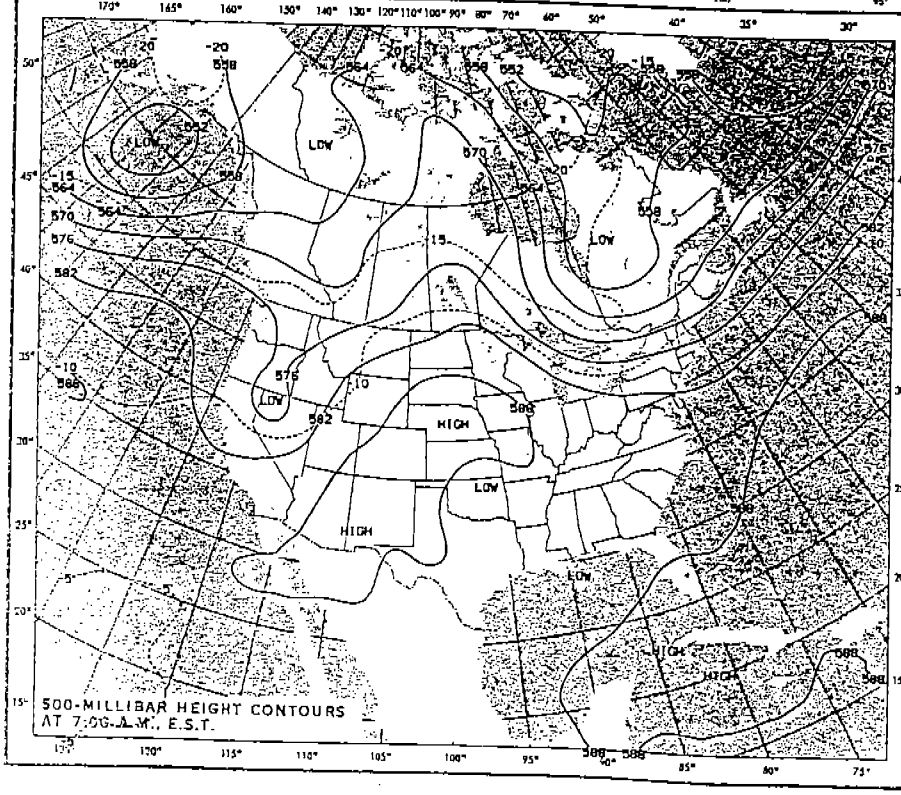
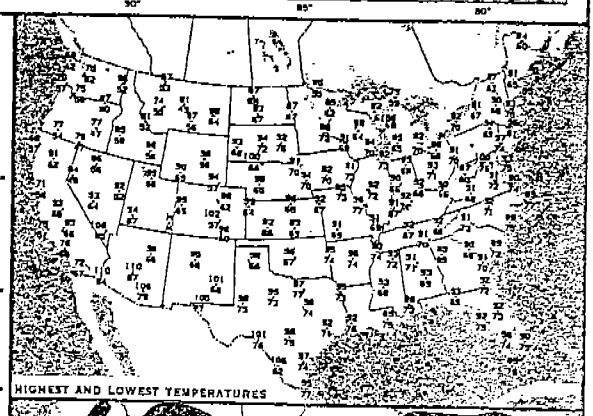
Backward Trajectories Ending- 20 UTC 18 JUL 97

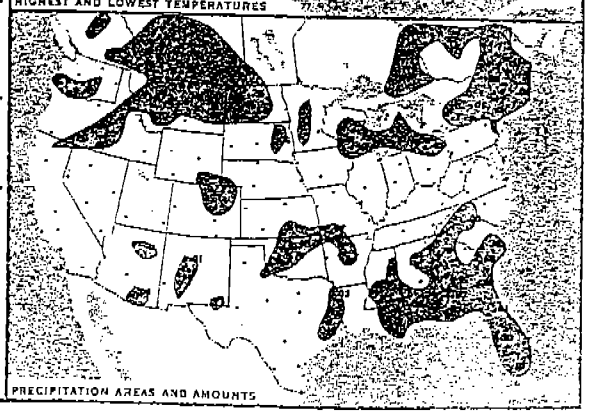


FRIDAY, JULY 18, 1997









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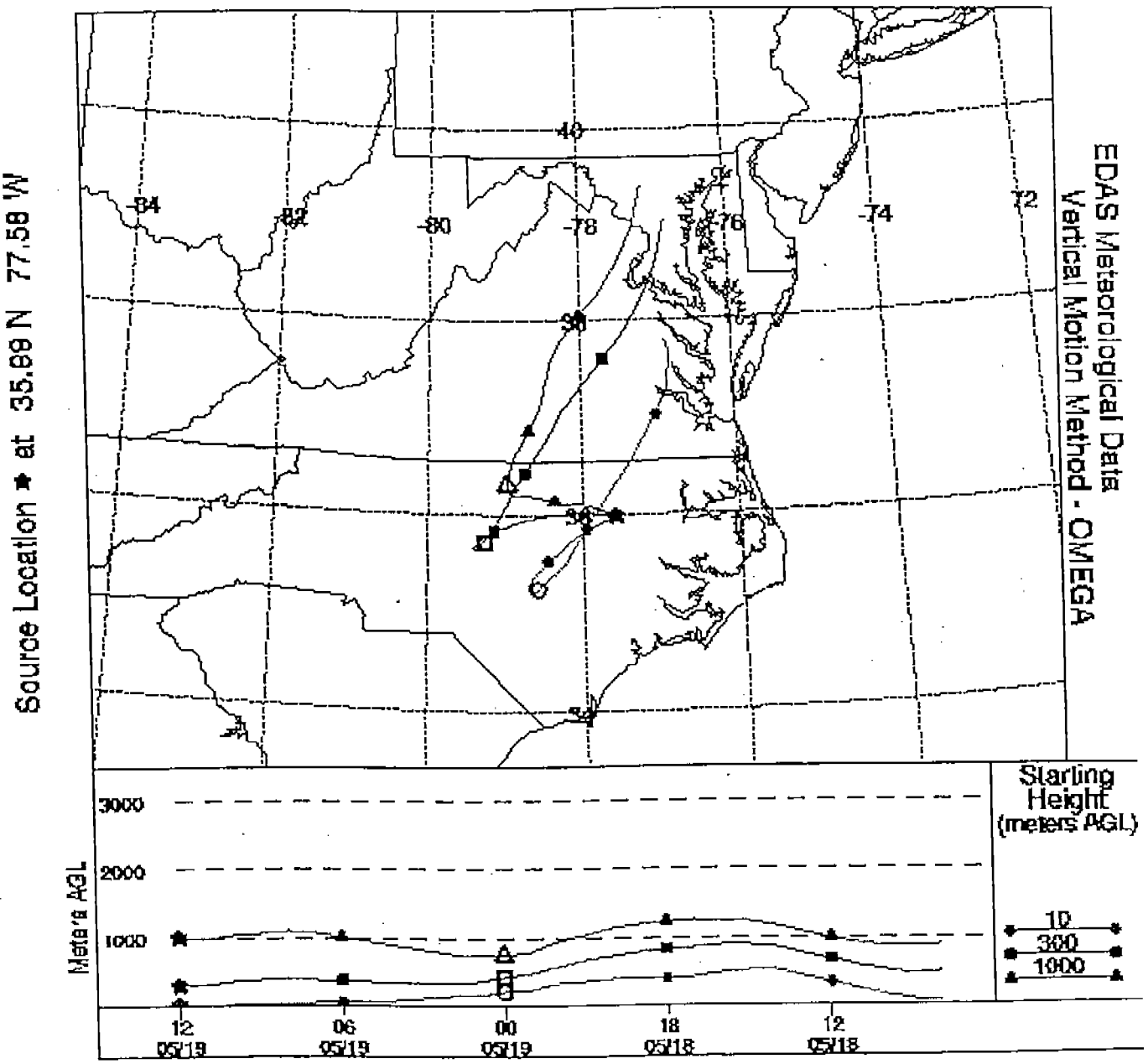
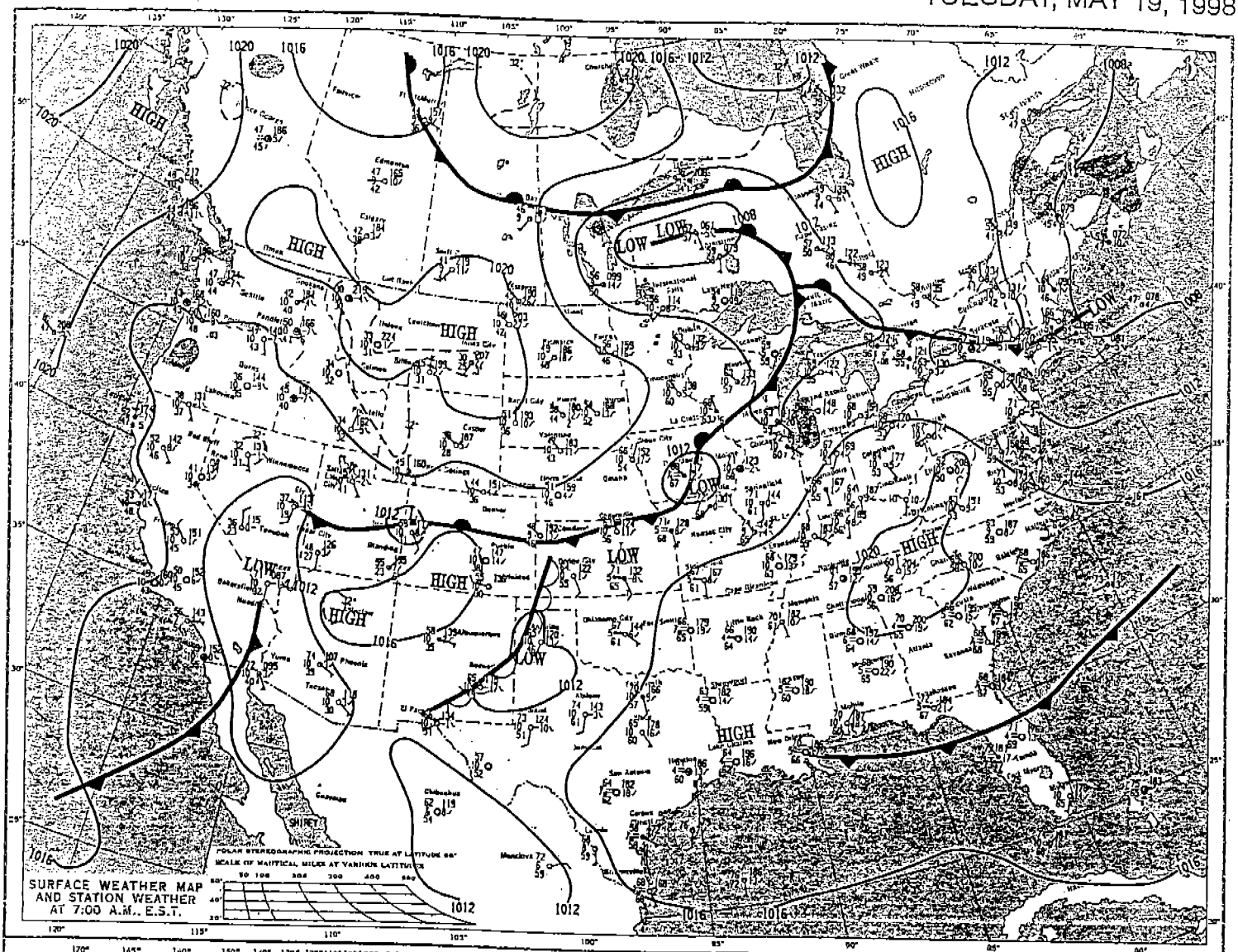
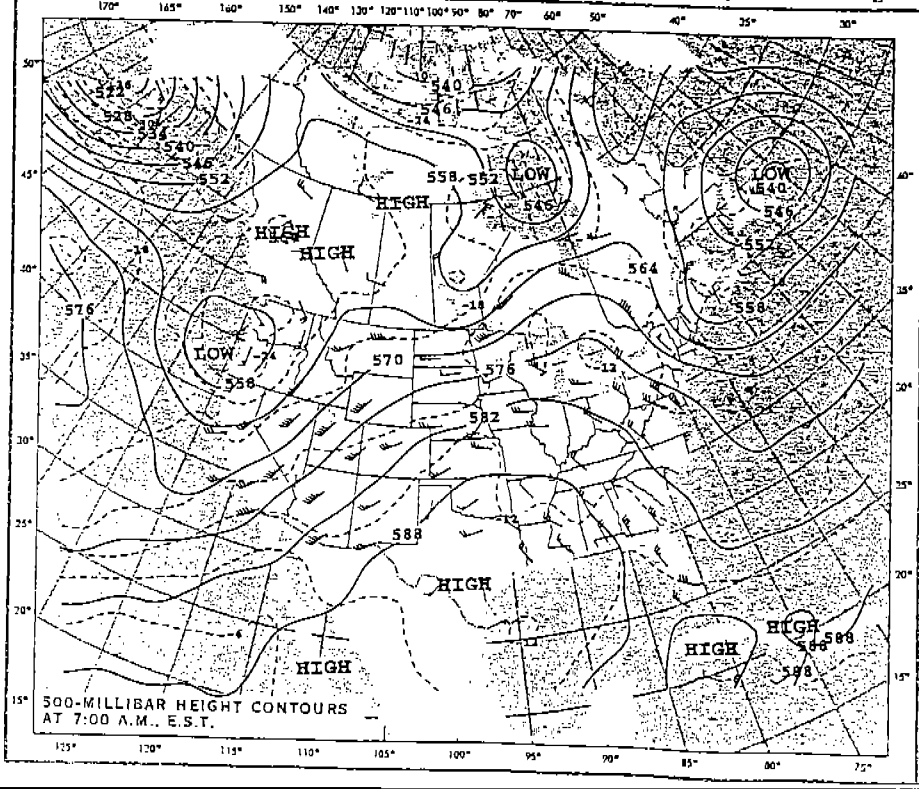
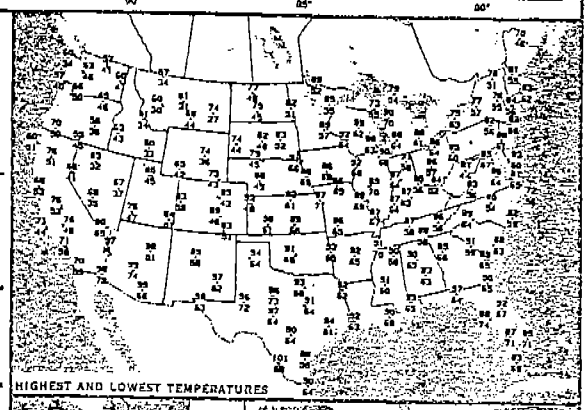
Backward Trajectories Ending 12 UTC 19 MAY 98



TUESDAY, MAY 19, 1998







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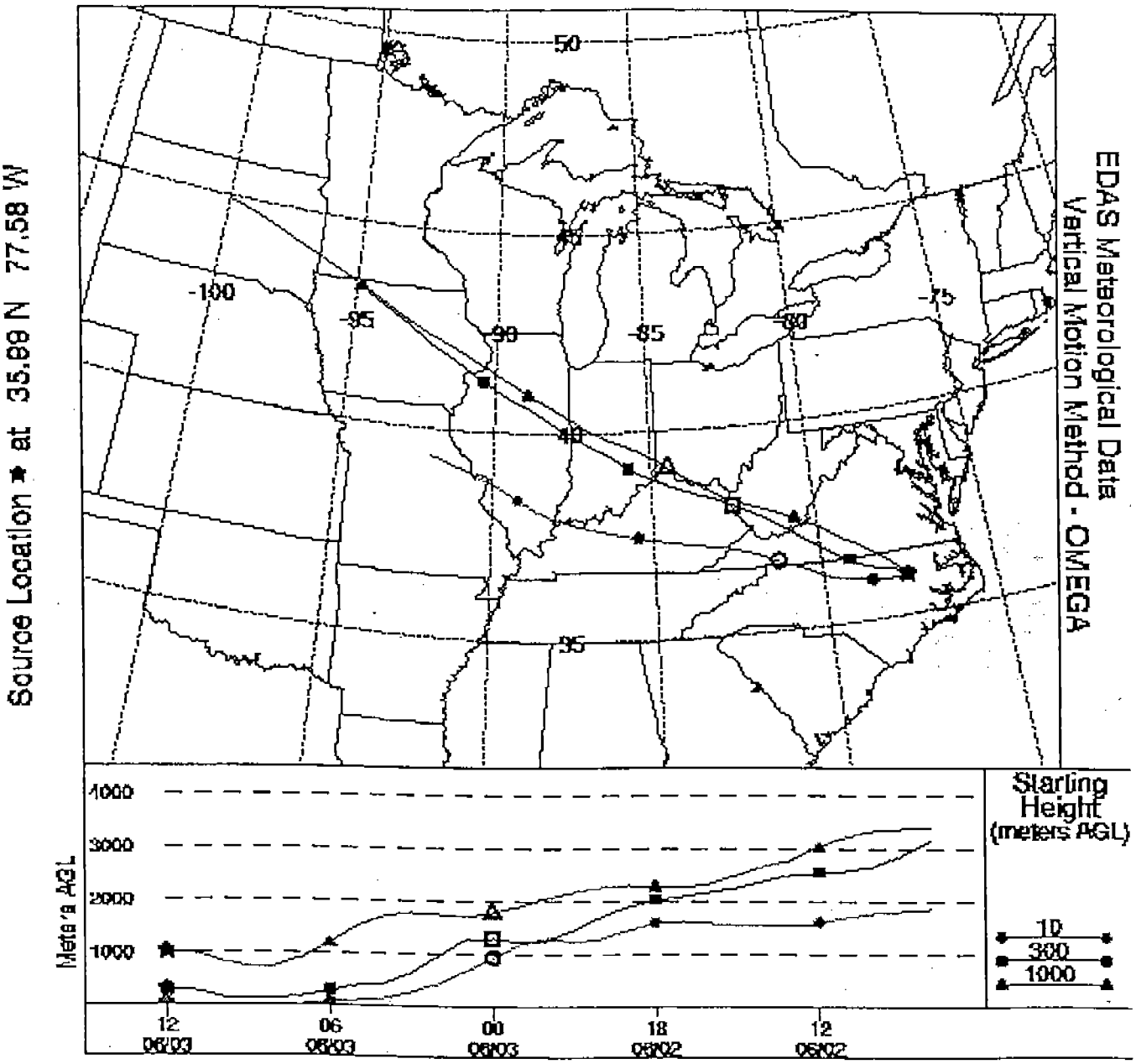
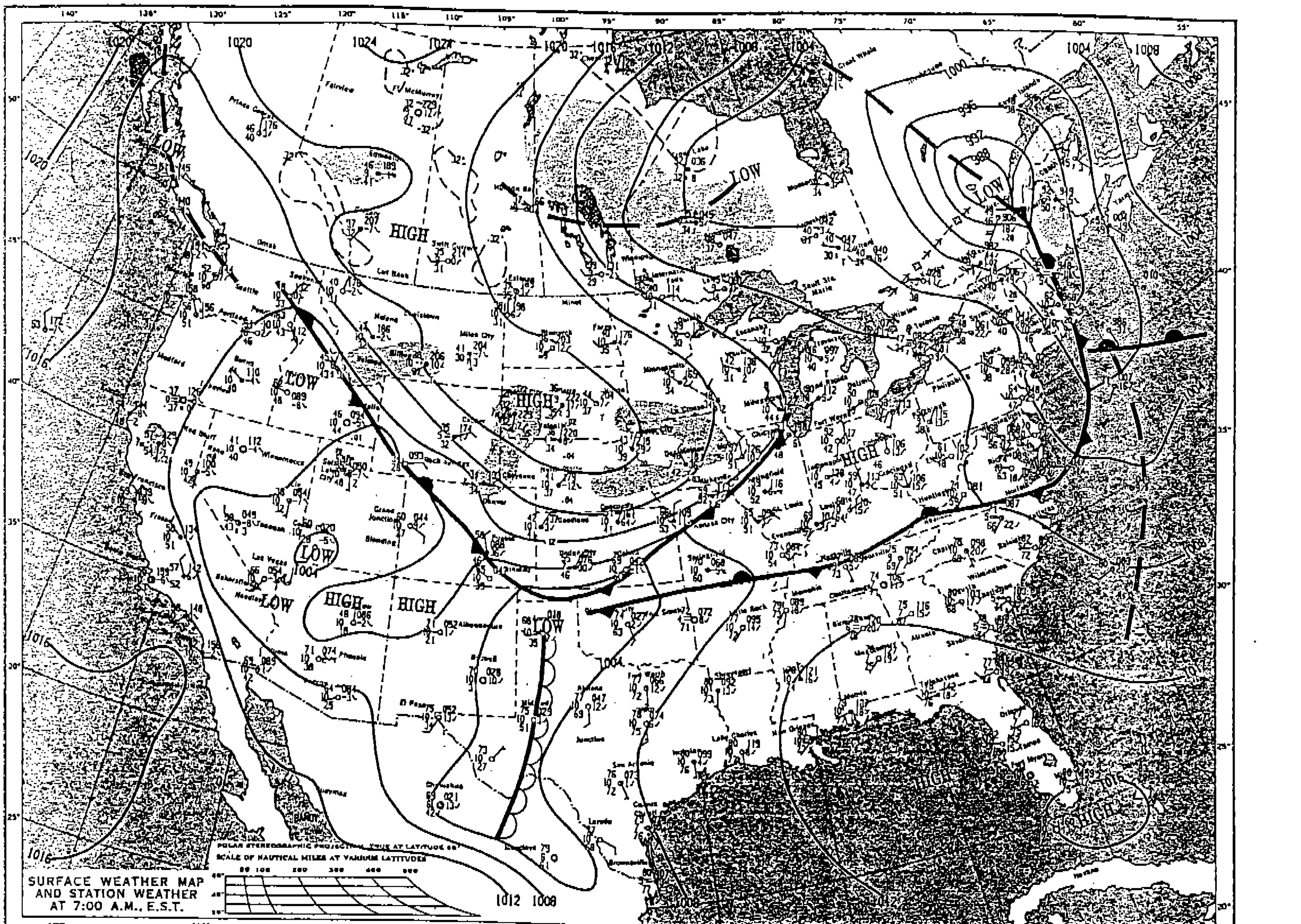
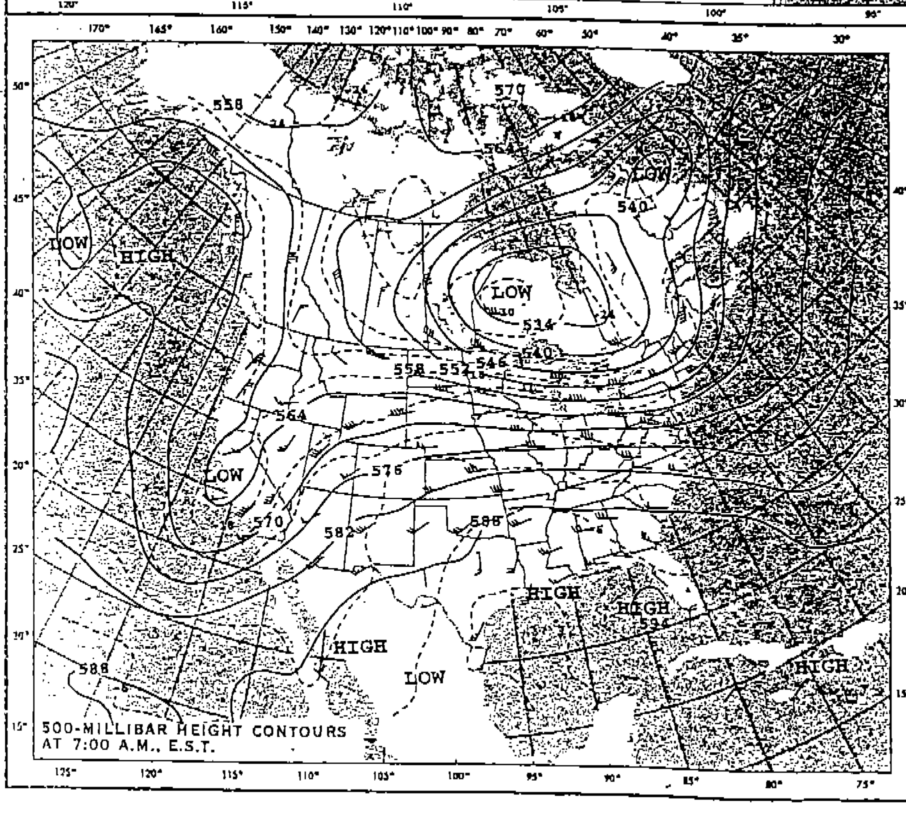
Backward Trajectories Ending- 12 UTC 03 JUN 98



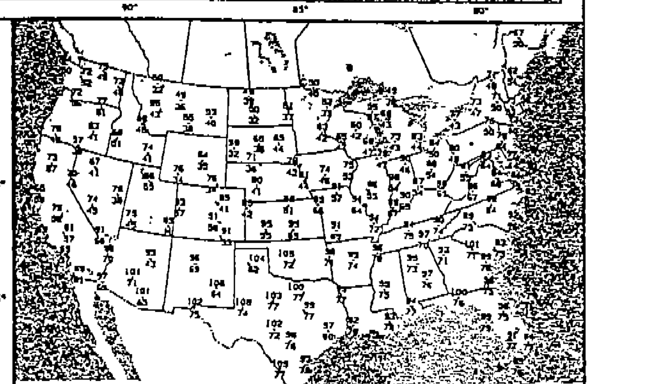
WEDNESDAY, JUNE 3, 1998

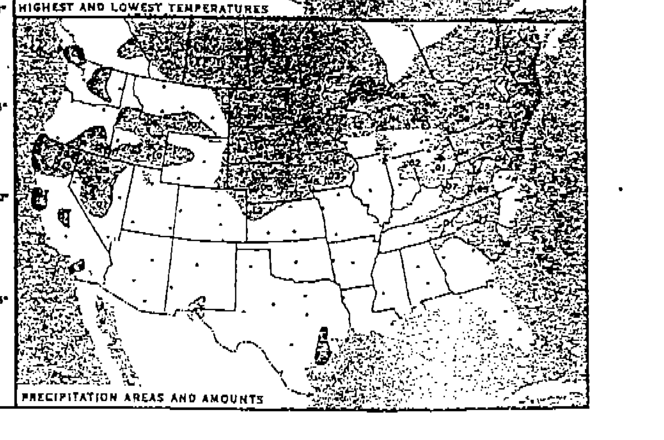


SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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


HIGHEST AND LOWEST TEMPERATURES


PRECIPITATION AREAS AND AMOUNTS

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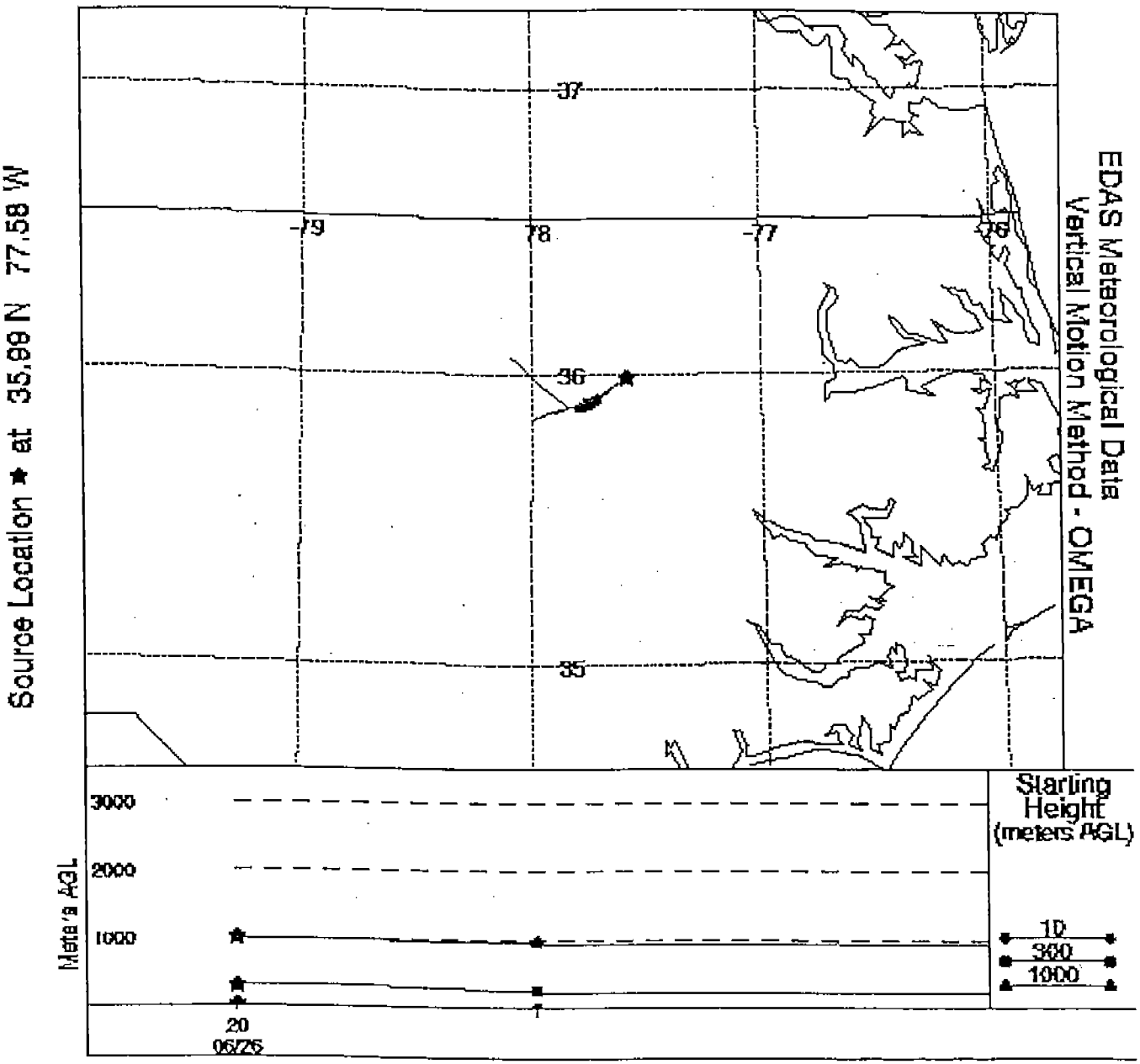
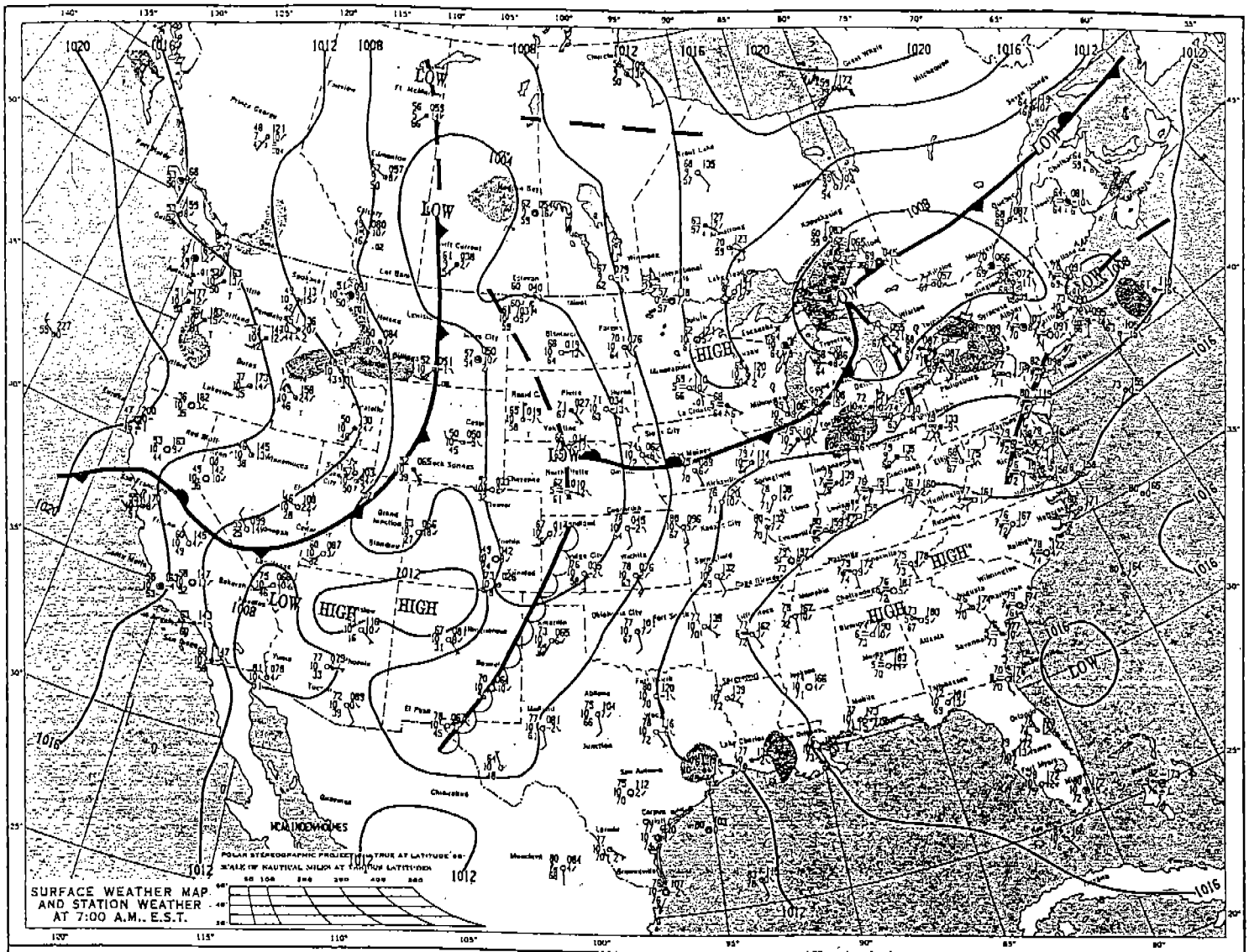
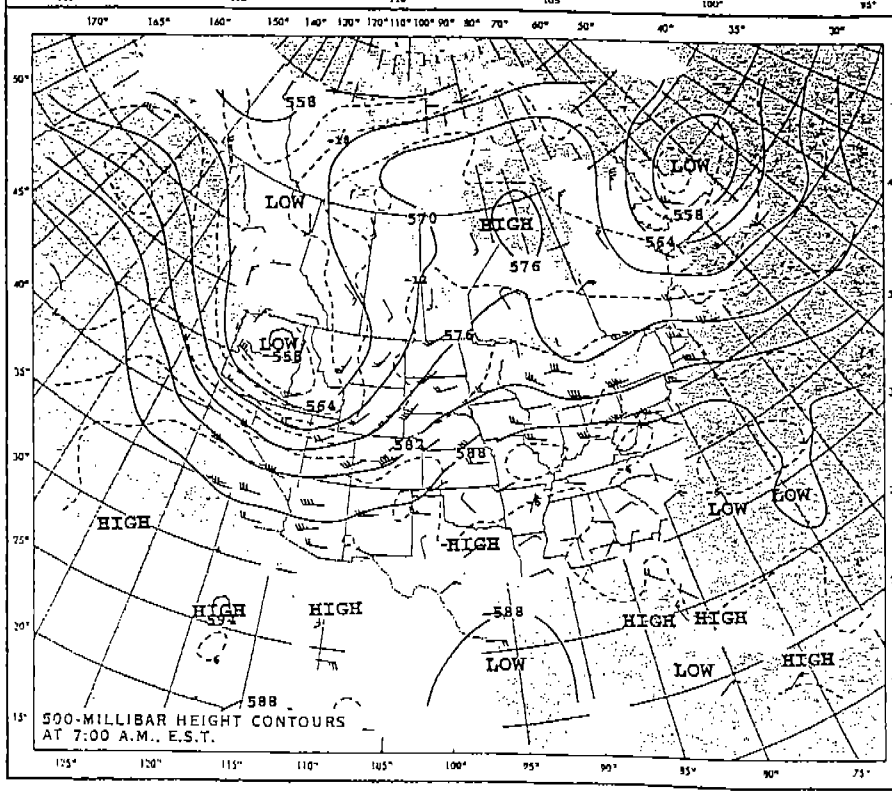
Backward Trajectories Ending- 20 UTC 26 JUN 98



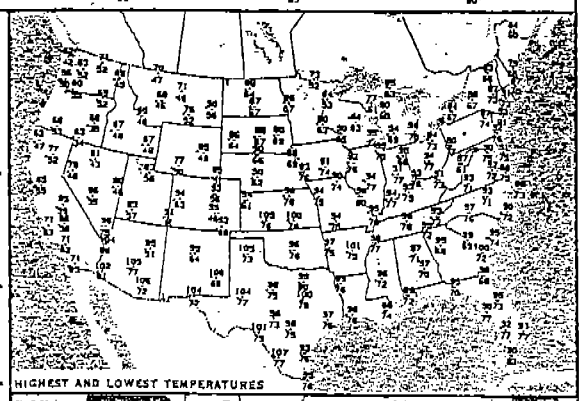
FRIDAY, JUNE 26, 1998



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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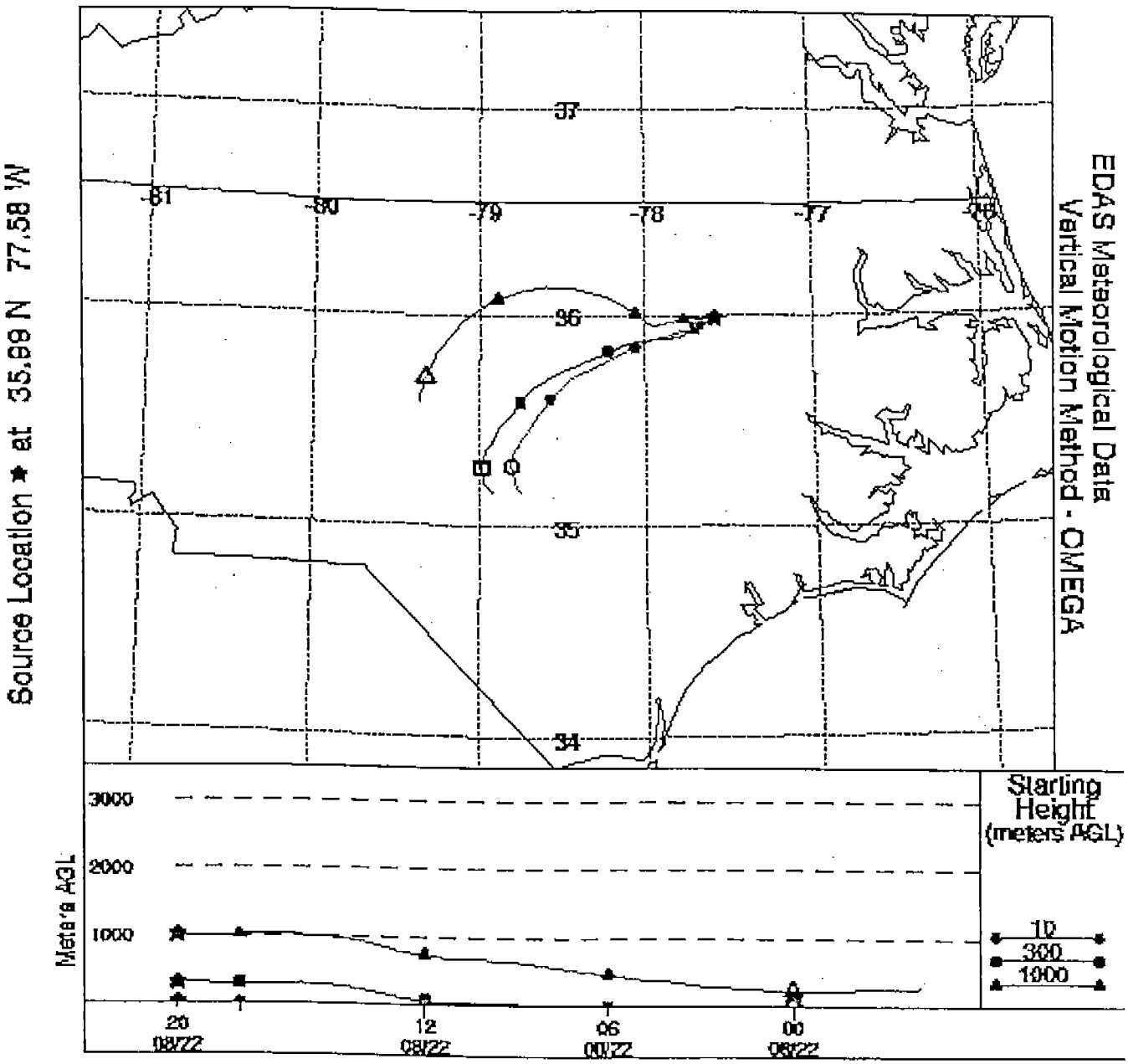
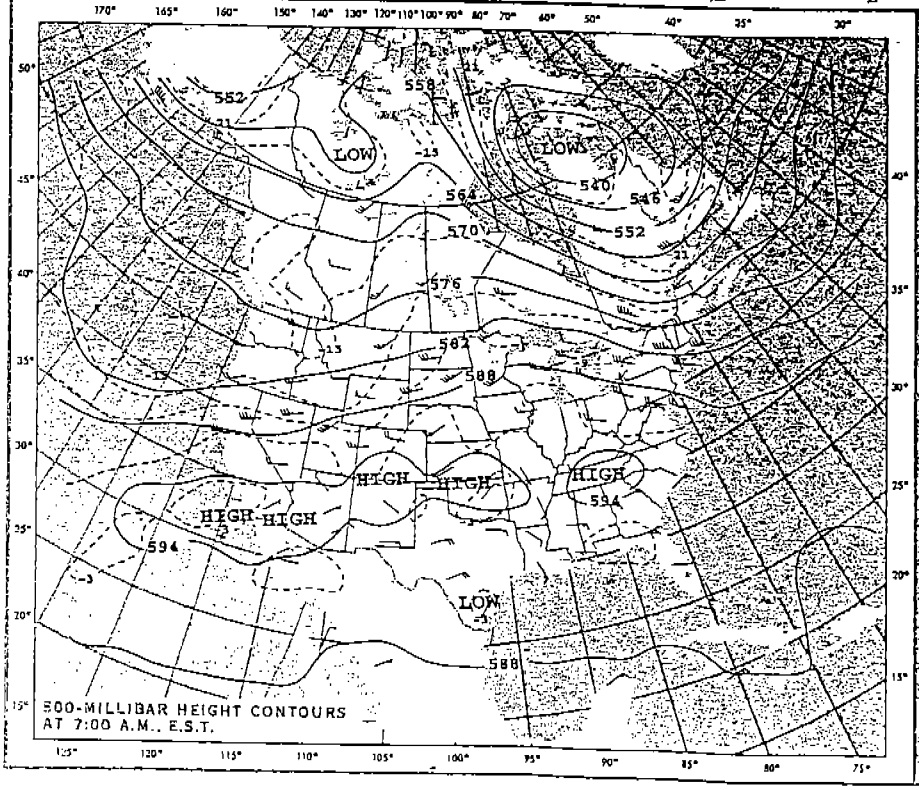
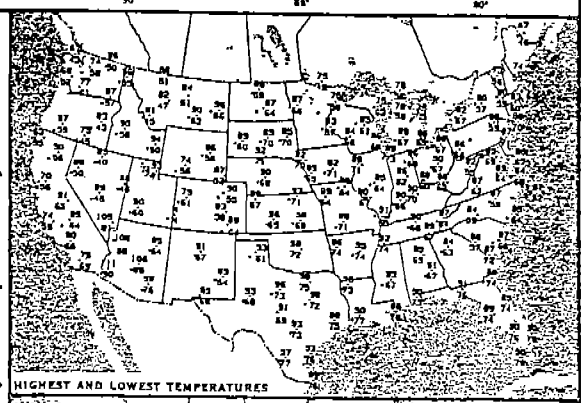
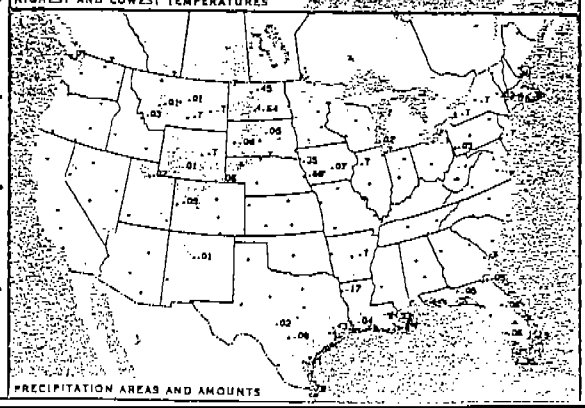
Backward Trajectories Ending- 20 UTC 22 AUG 98



SATURDAY, AUGUST 22, 1998







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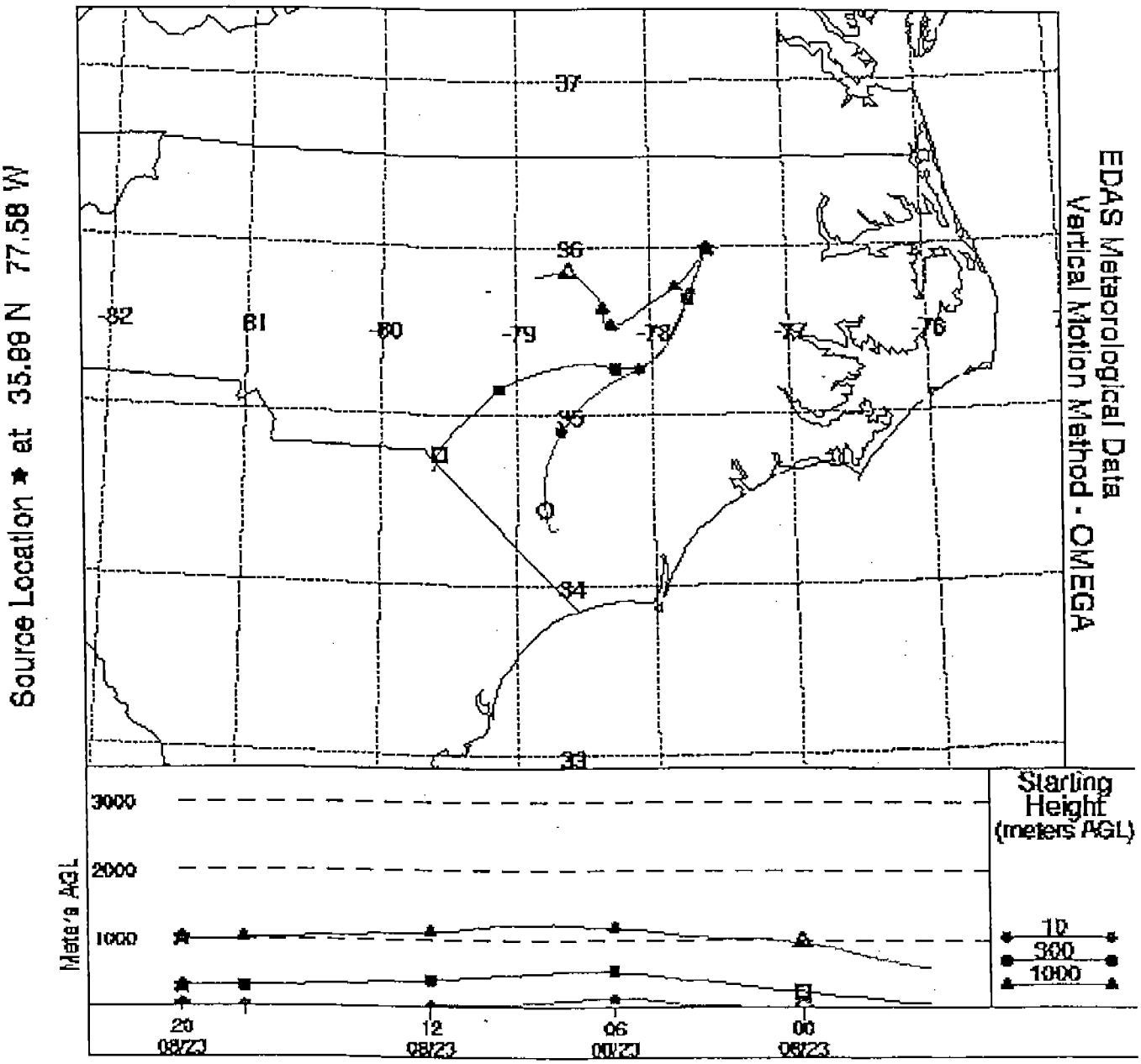
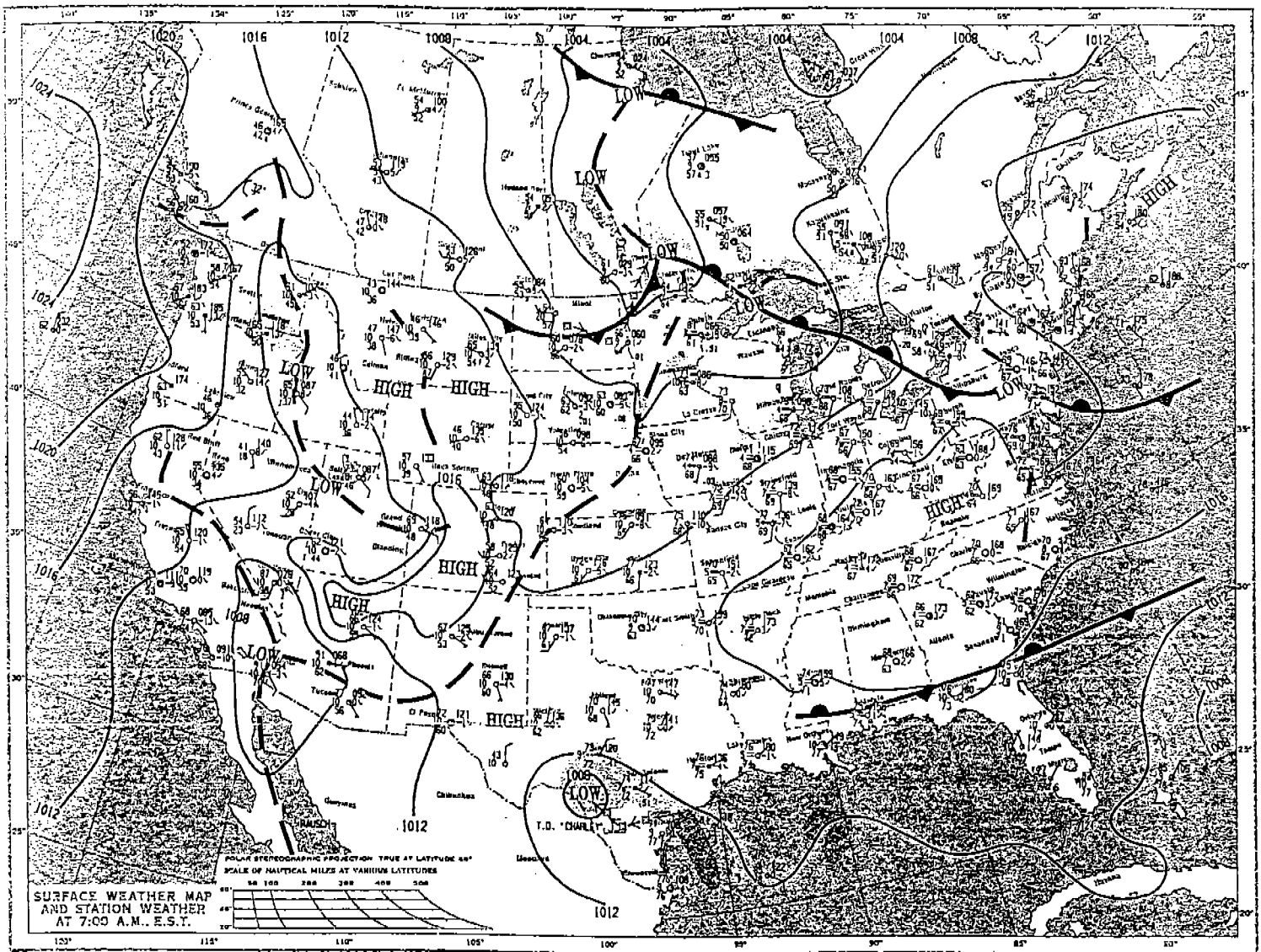
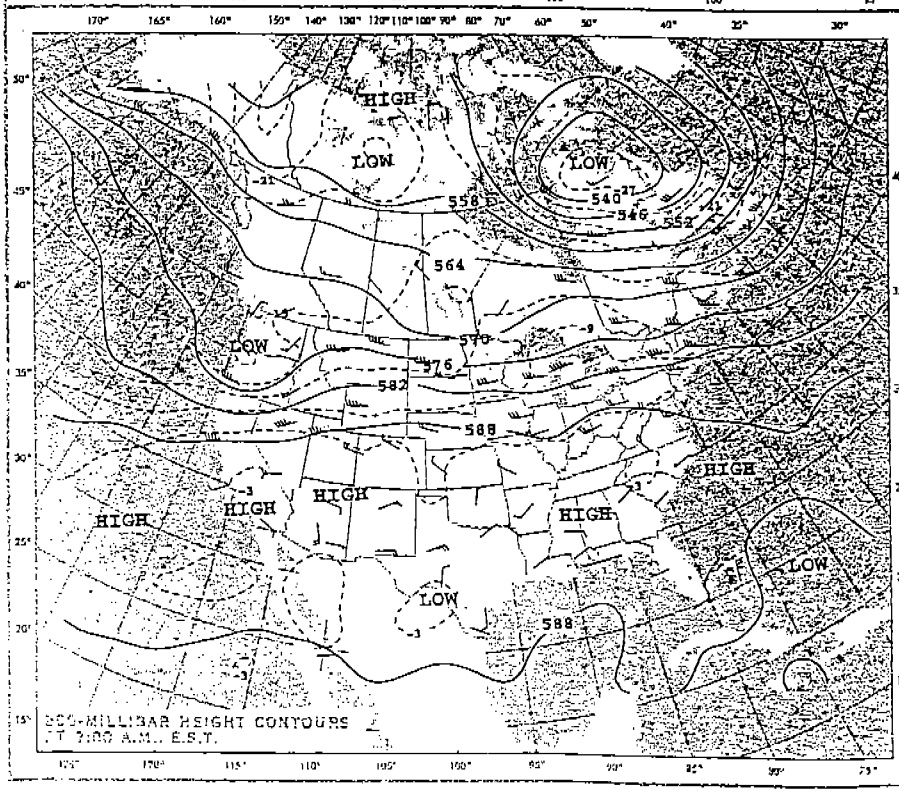
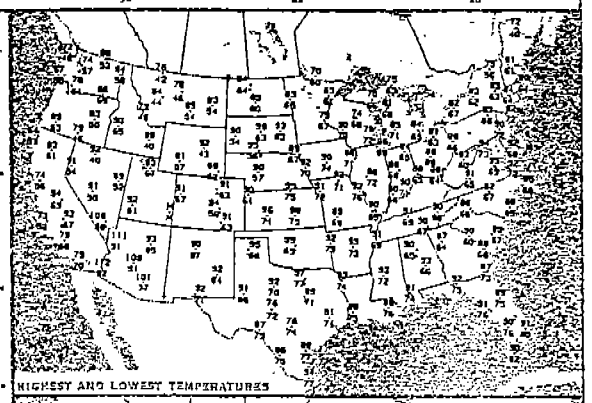
Backward Trajectories Ending- 20 UTC 23 AUG 98

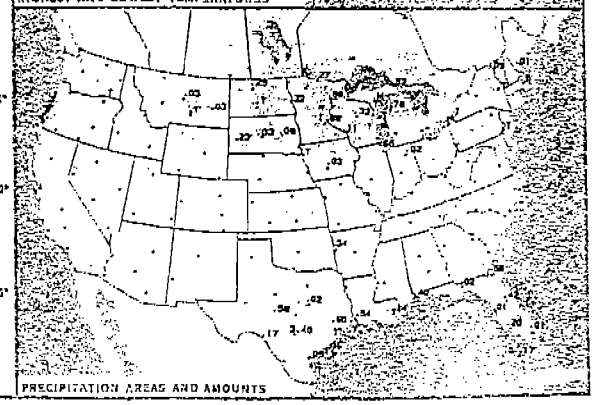


SUNDAY, AUGUST 23, 1998









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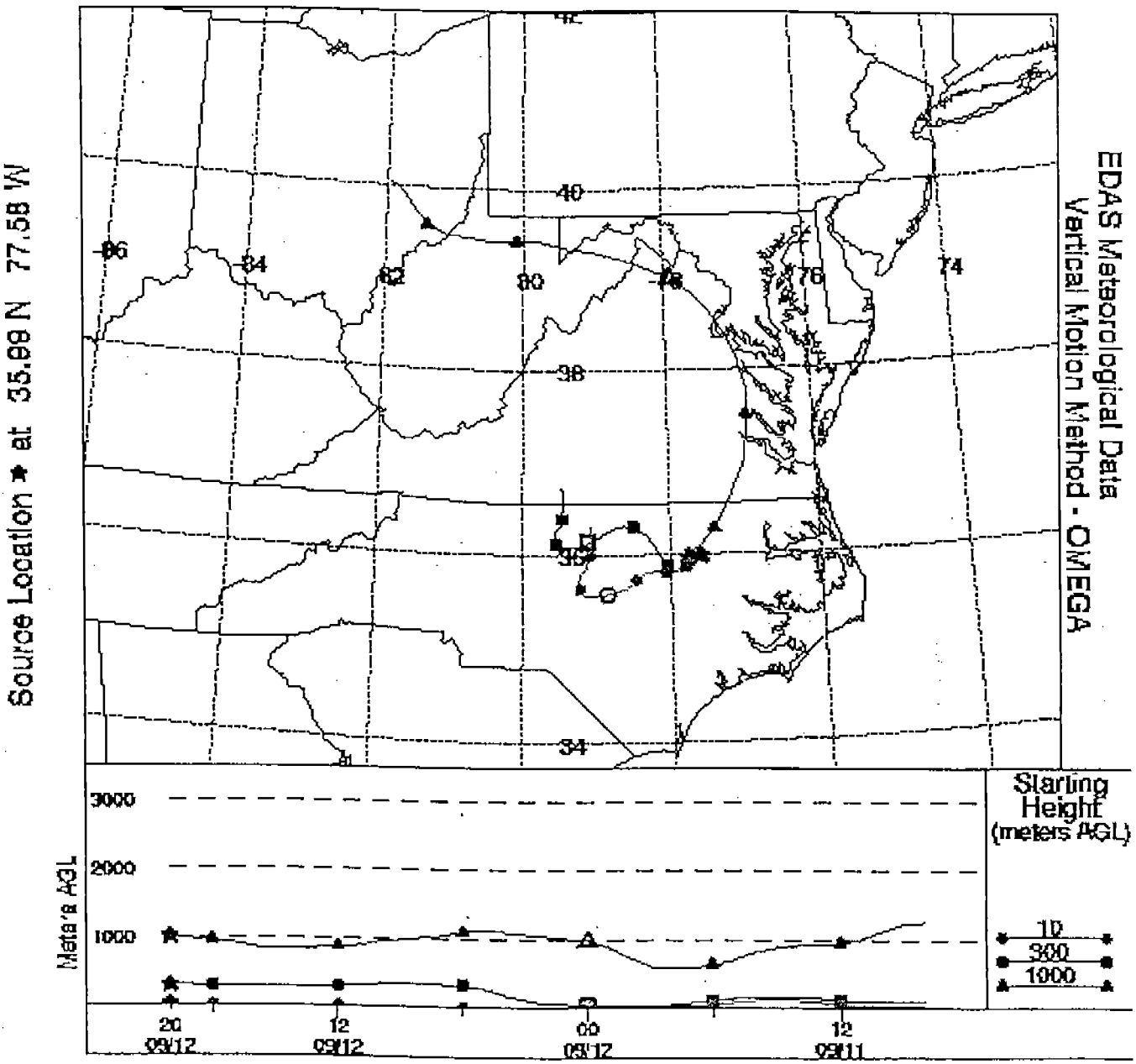
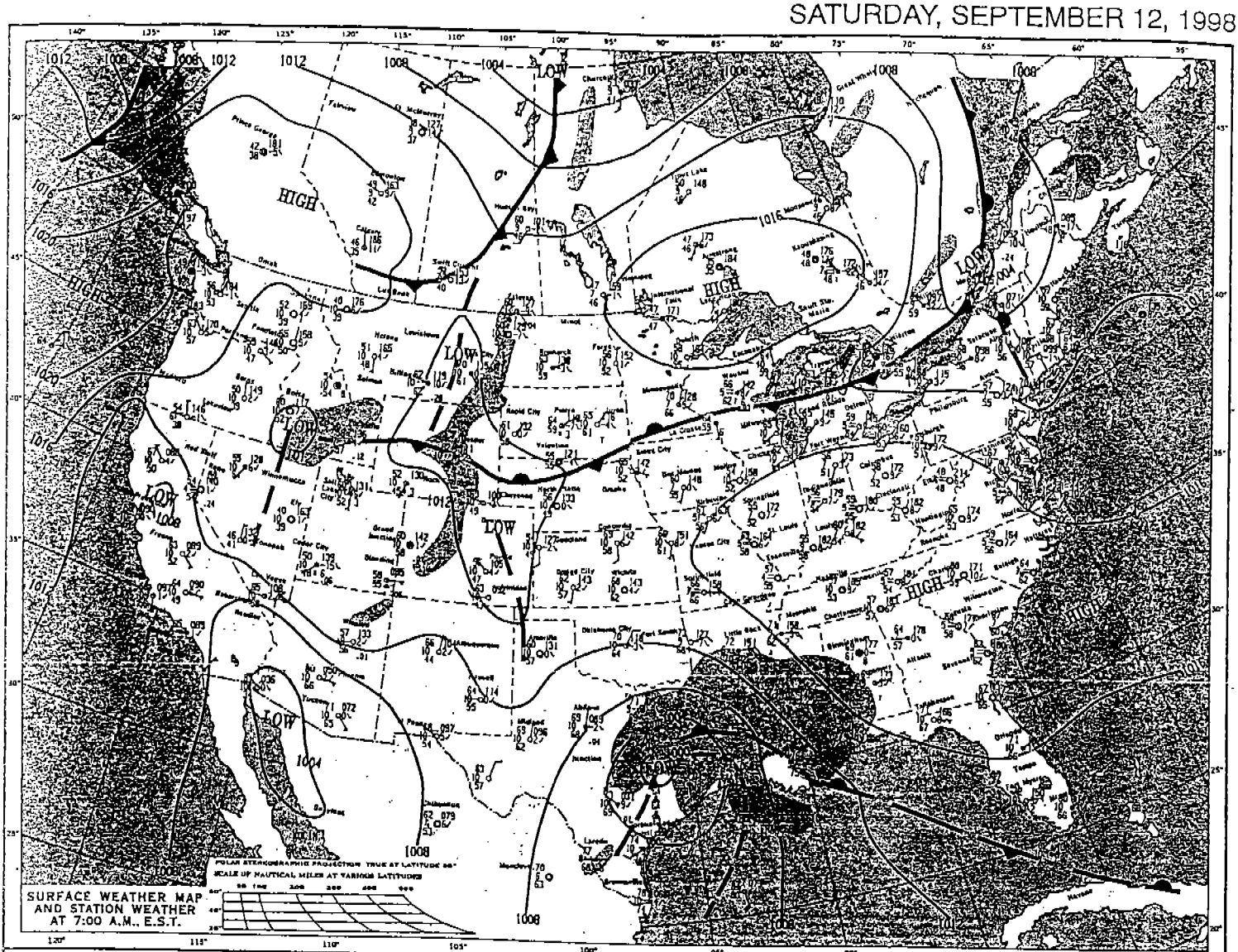
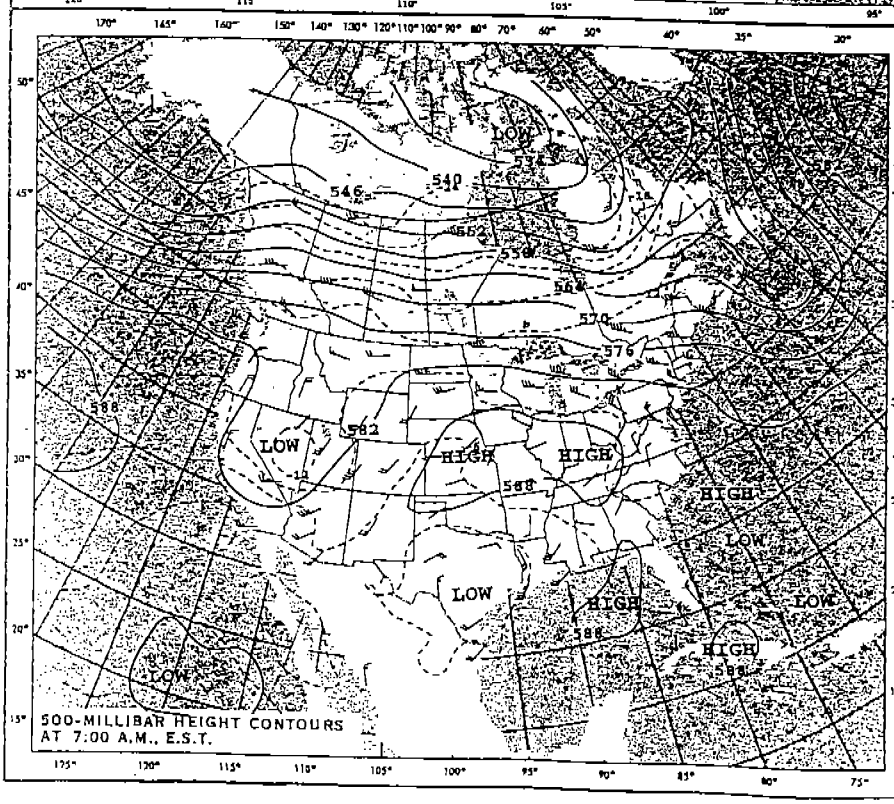
Backward Trajectories Ending- 20 UTC 12 SEP 98



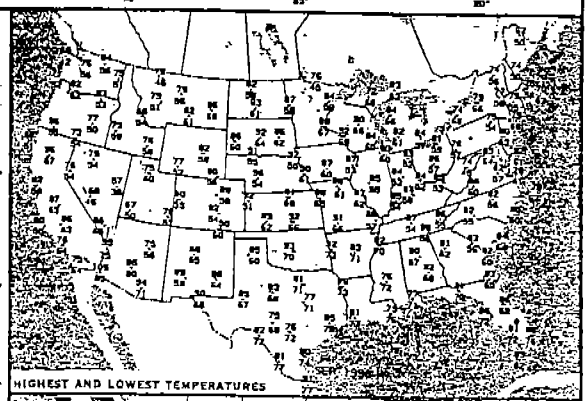
SATURDAY, SEPTEMBER 12, 1998



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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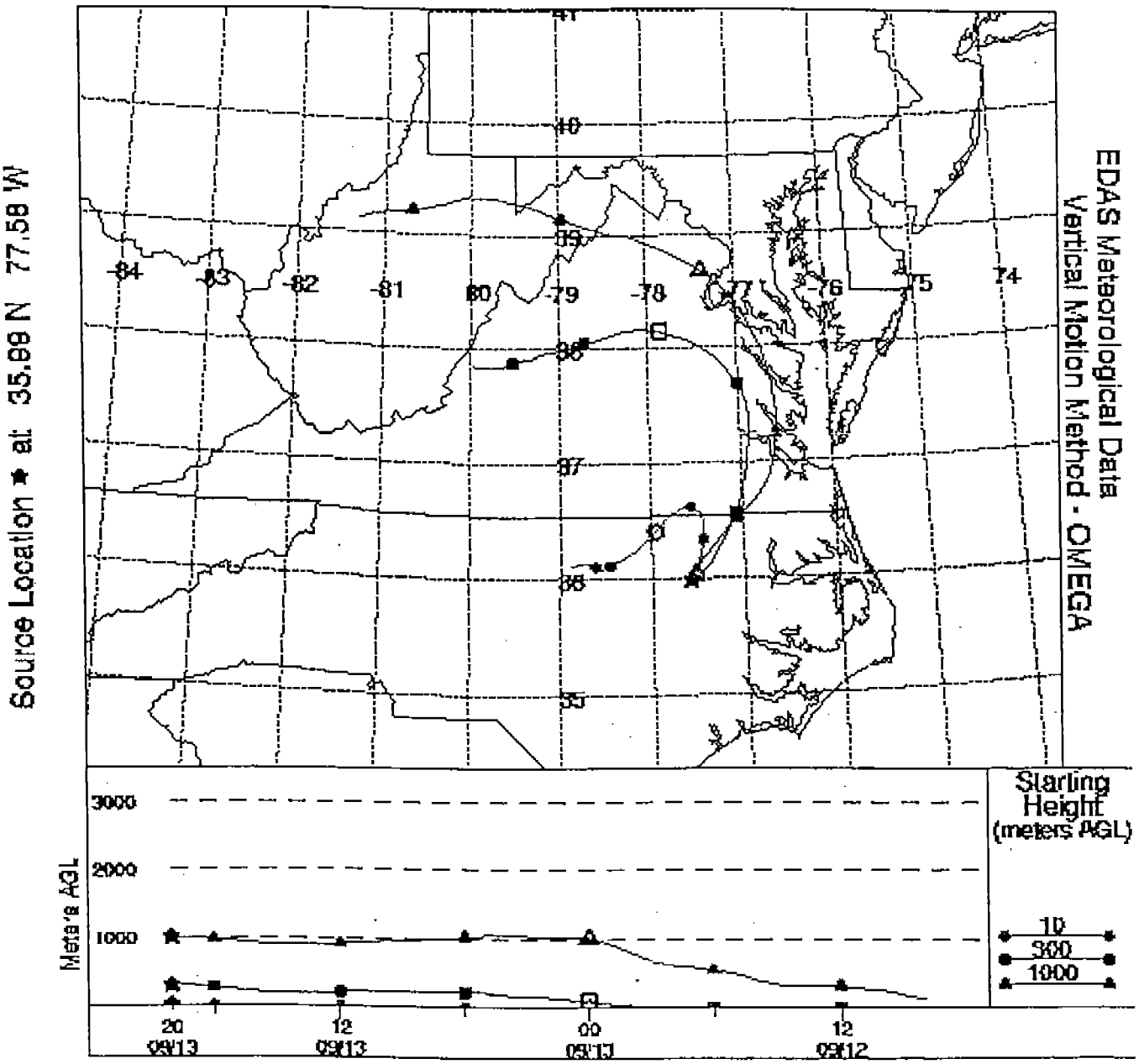
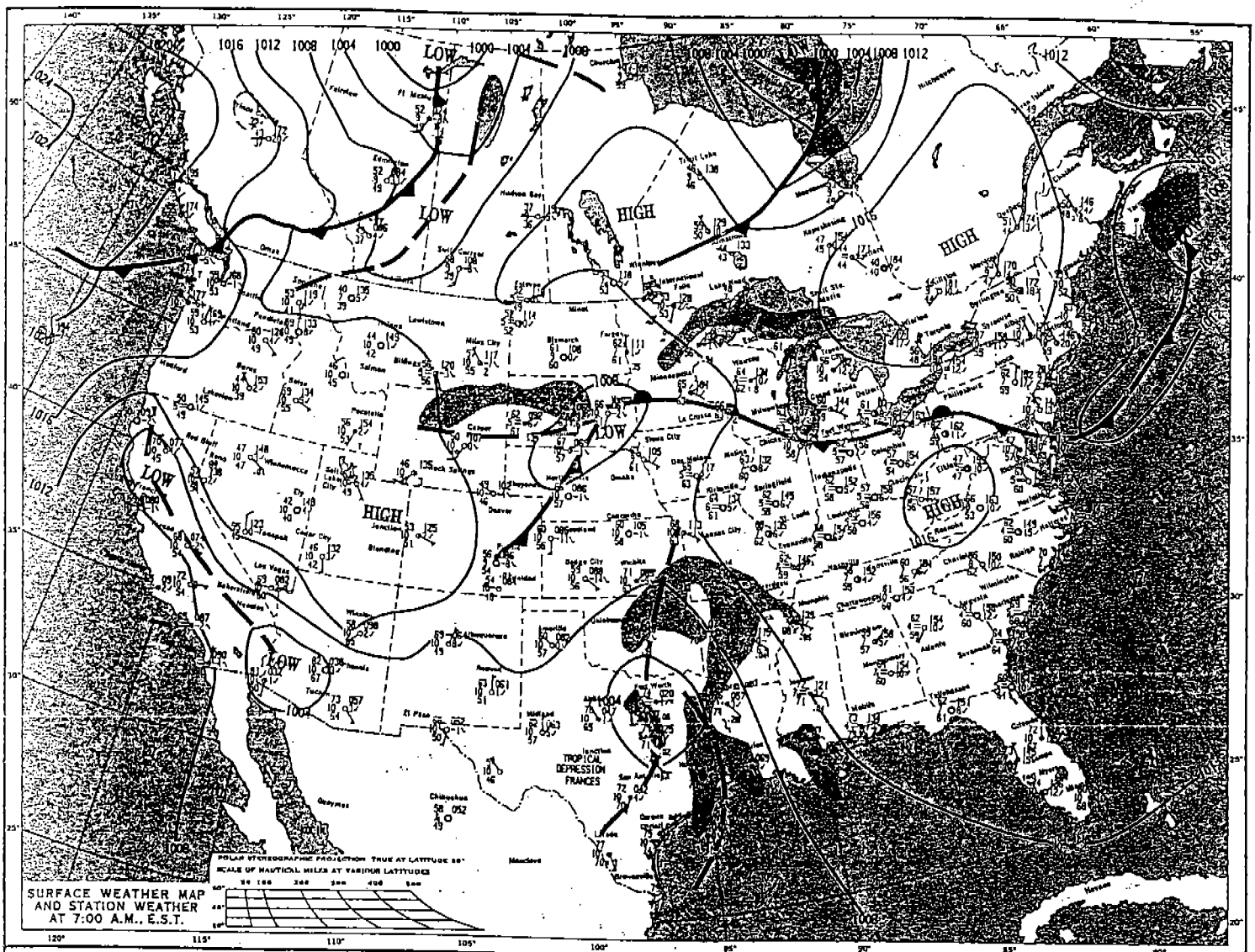
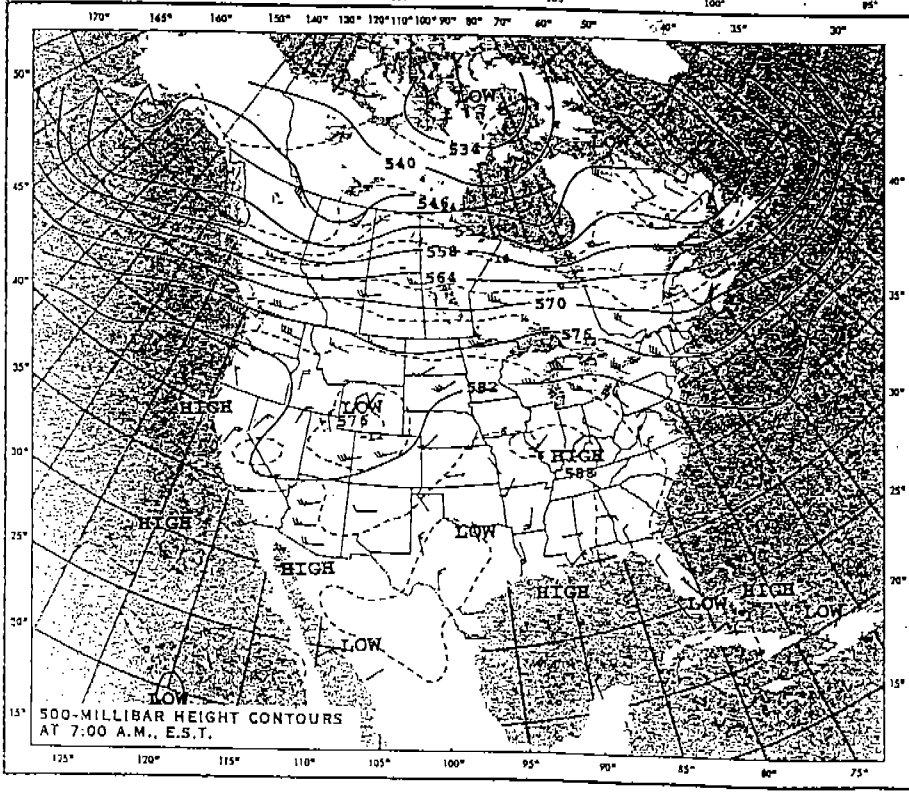
Backward Trajectories Ending- 20 UTC 13 SEP 98



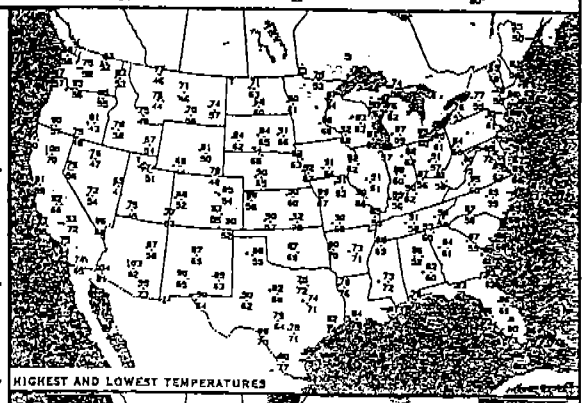
SUNDAY, SEPTEMBER 13, 1998



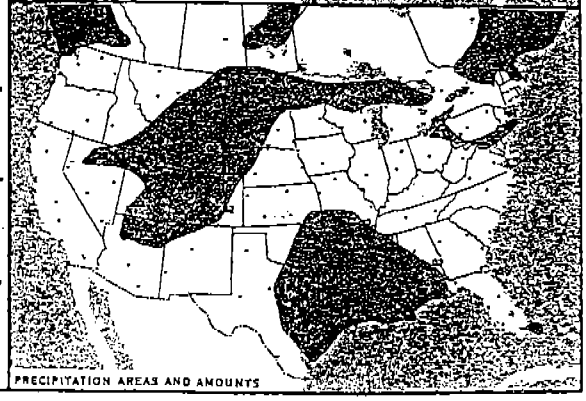
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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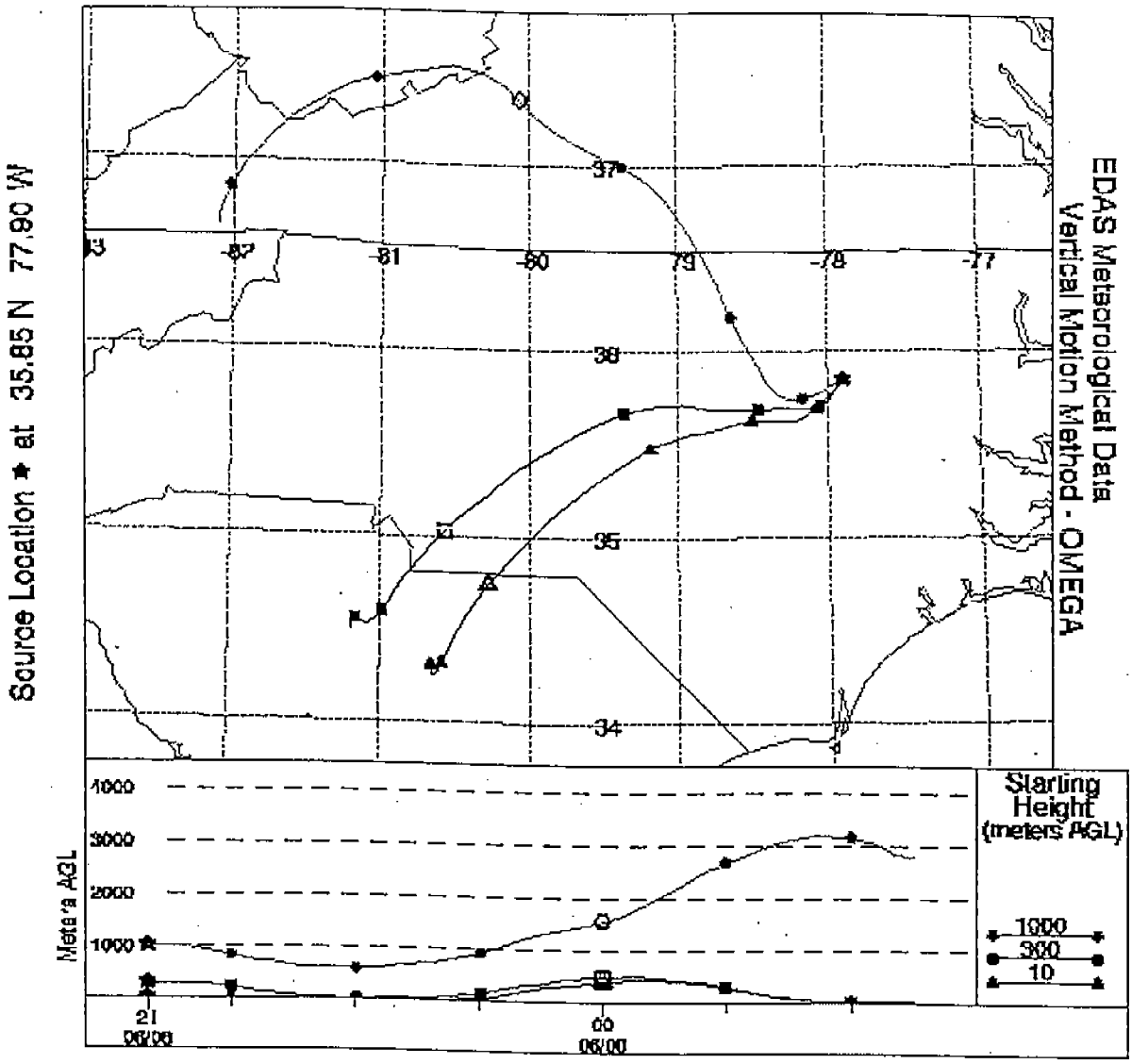
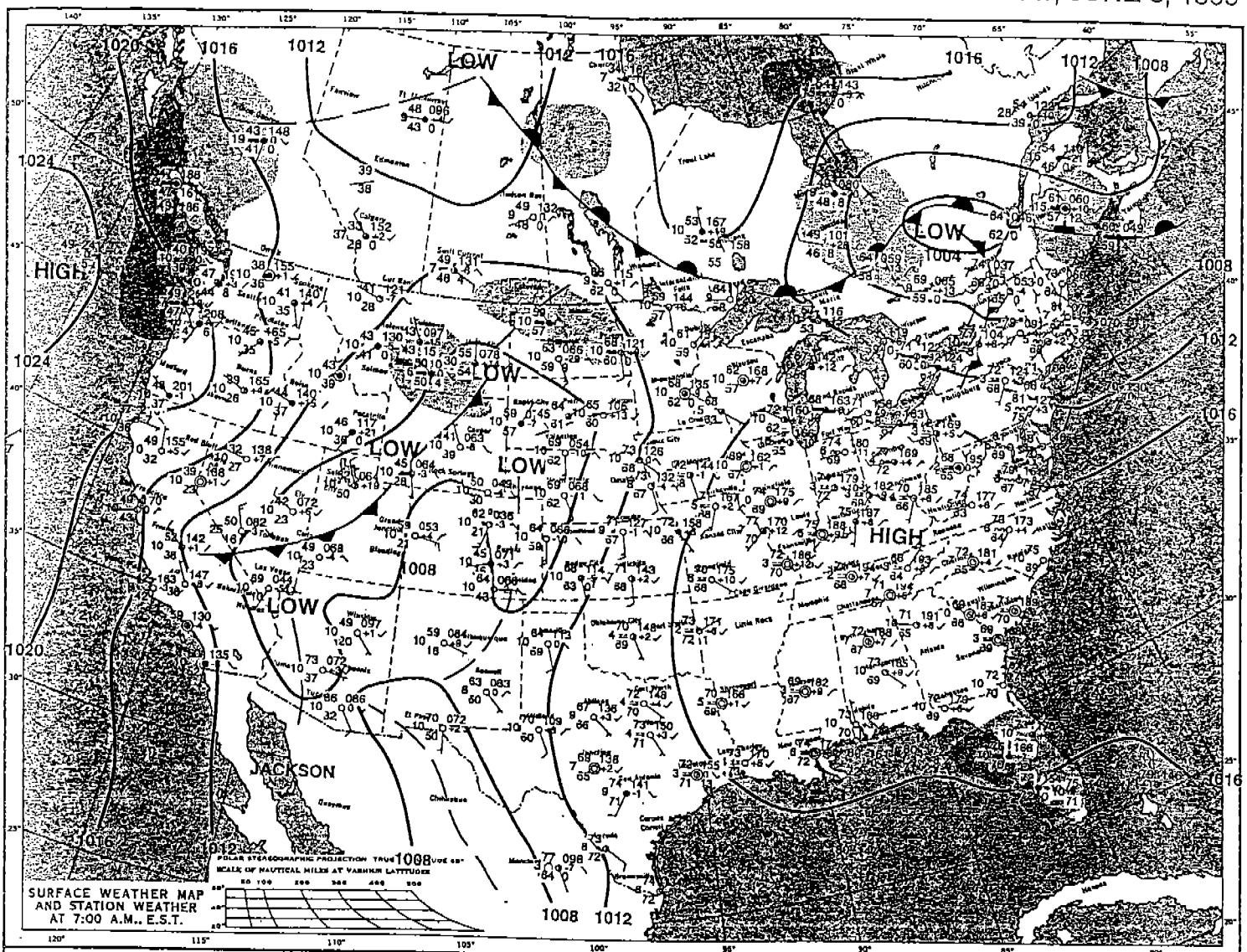
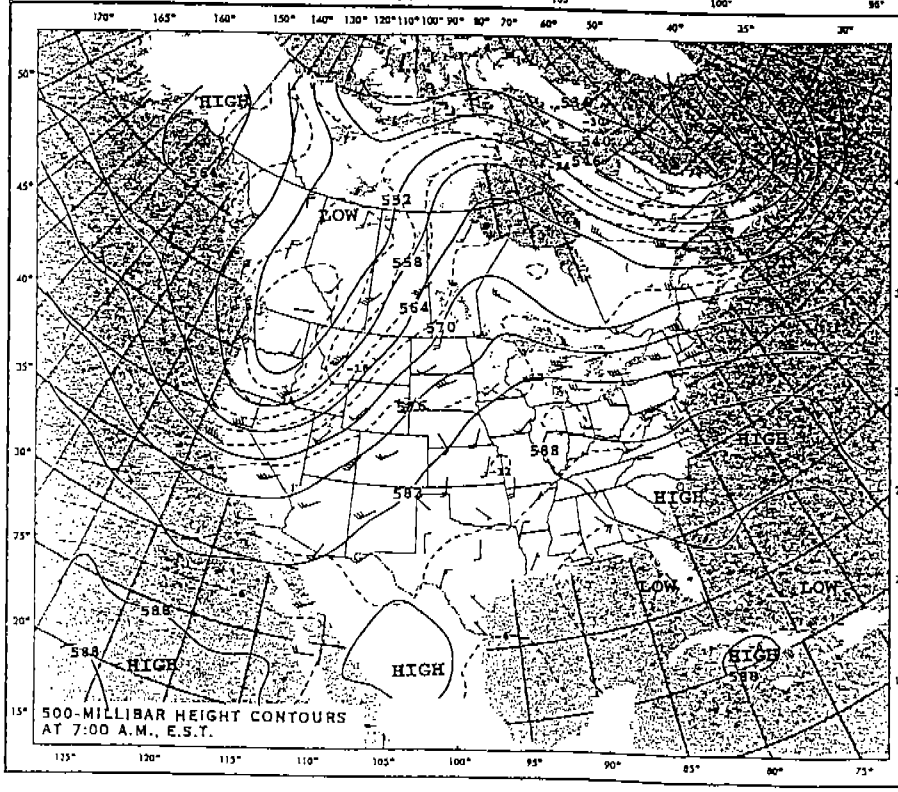
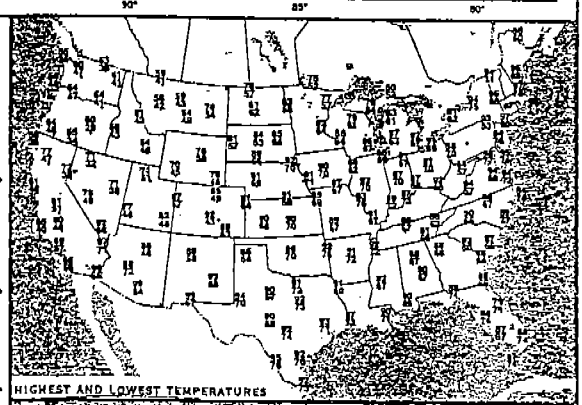
Backward Trajectories Ending- 21 UTC 08 JUN 99

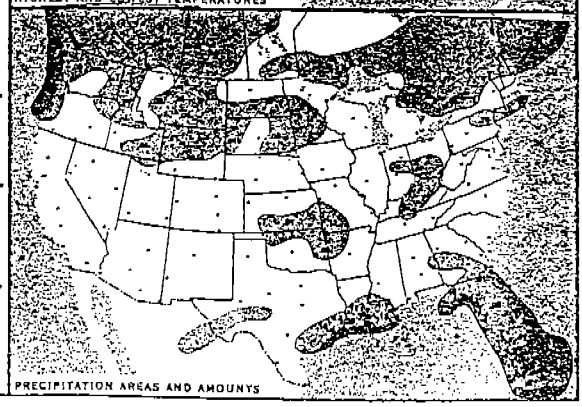


TUESDAY, JUNE 8, 1999









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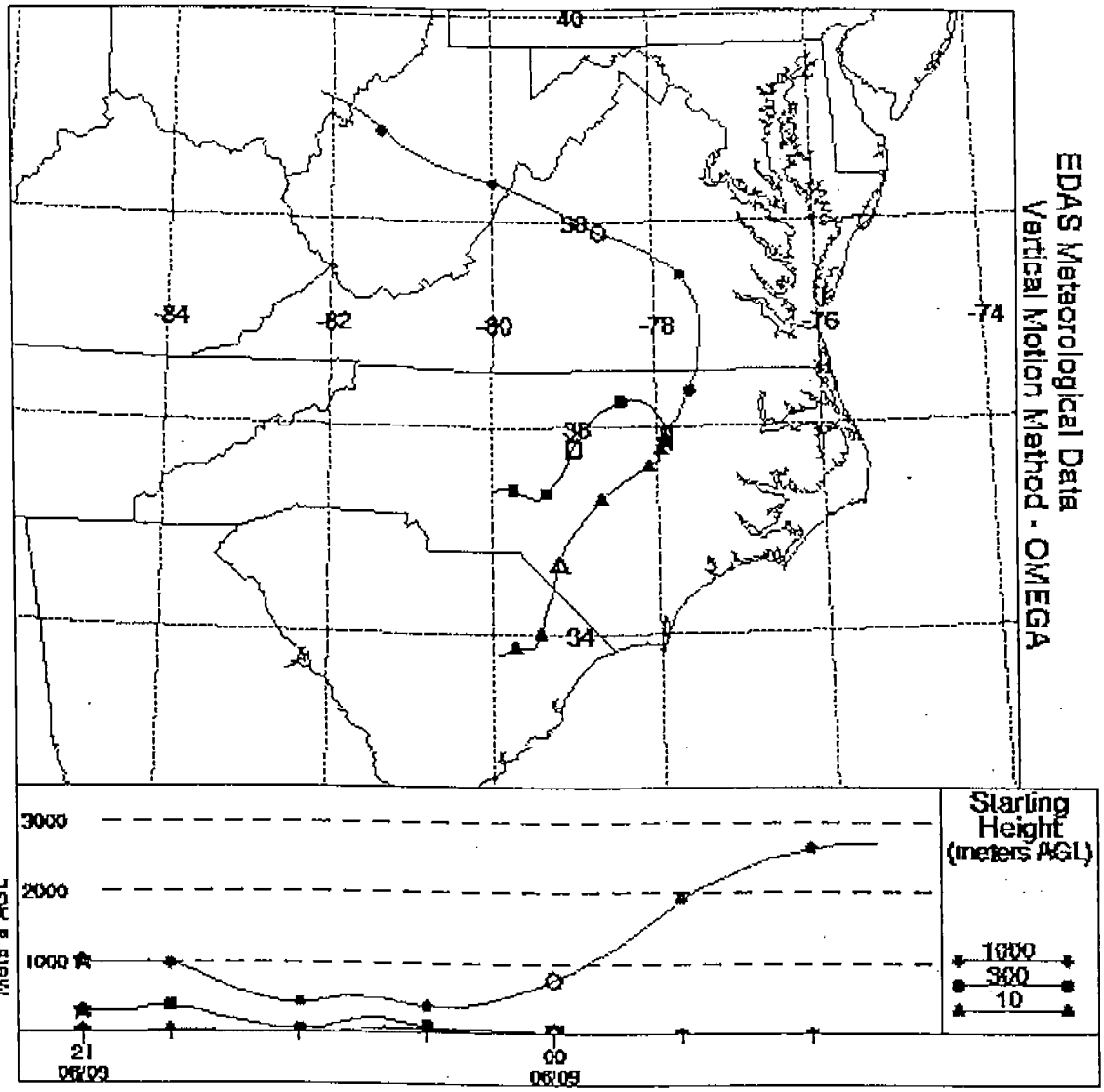
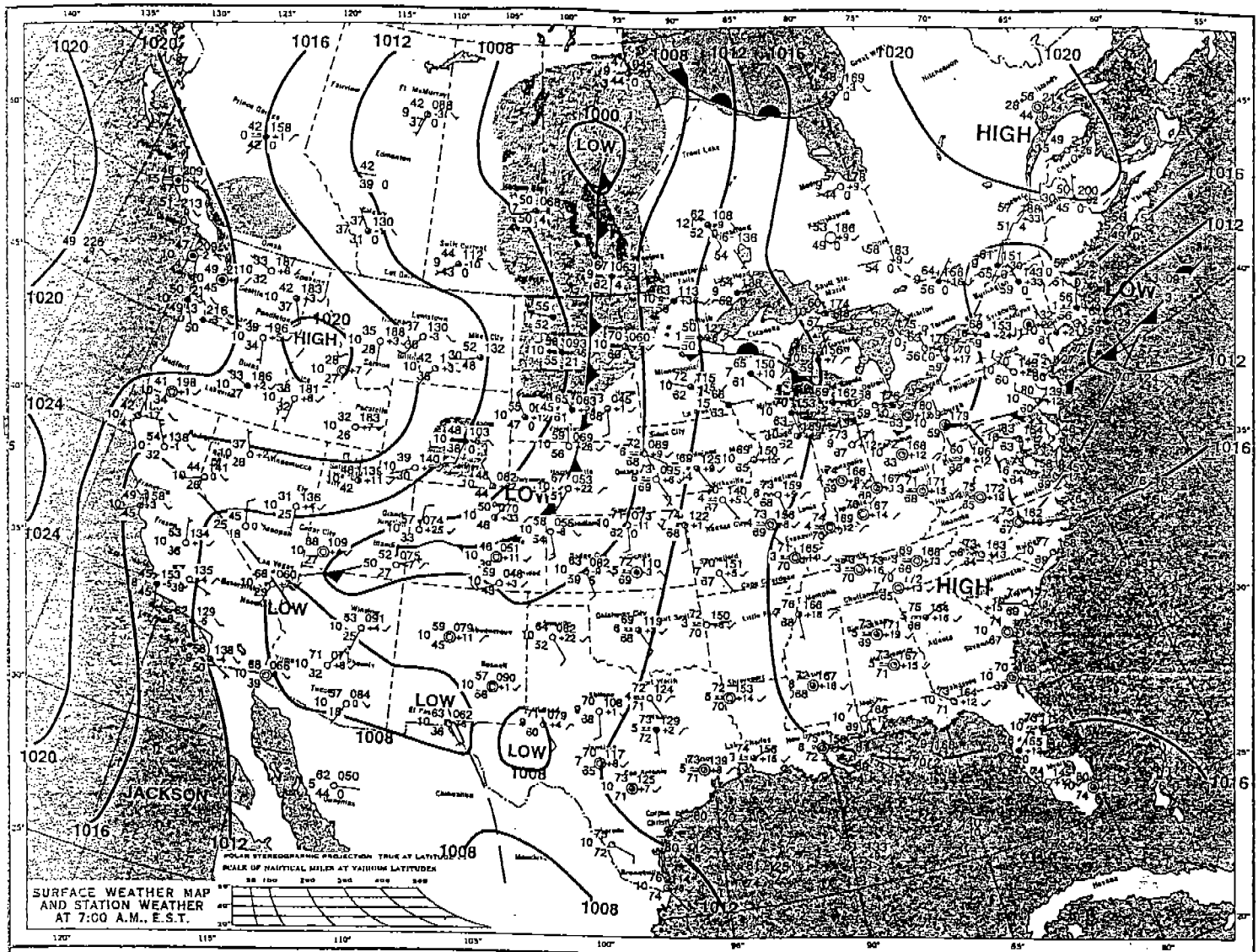
Backward Trajectories Ending- 21 UTC 09 JUN 99

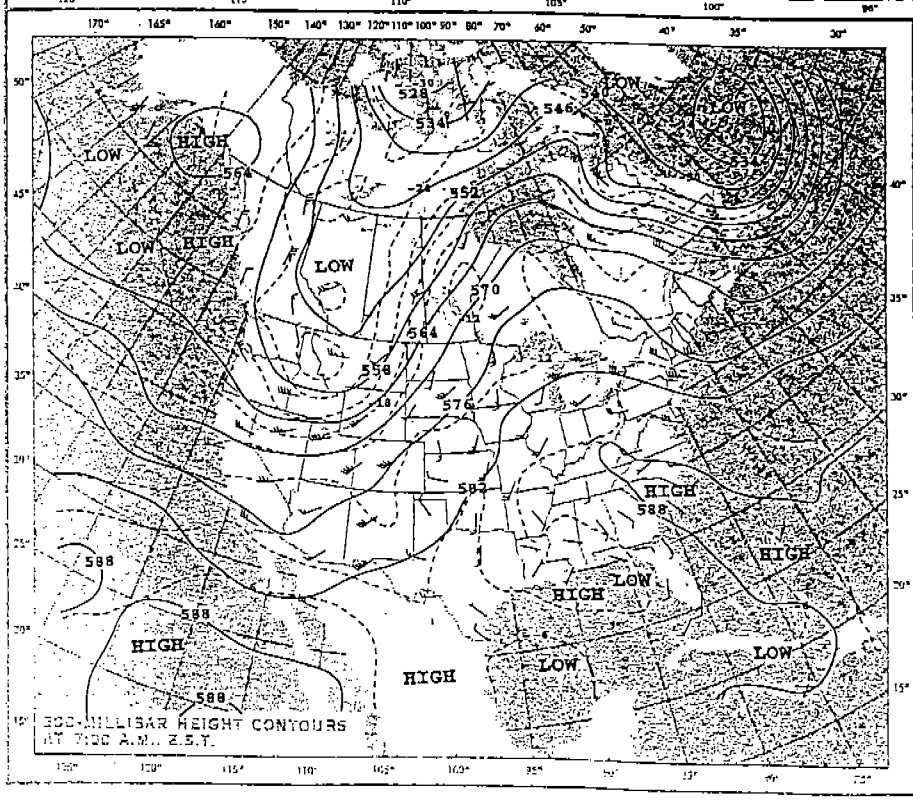
Source Location ★ at 35.85 N 77.90 W

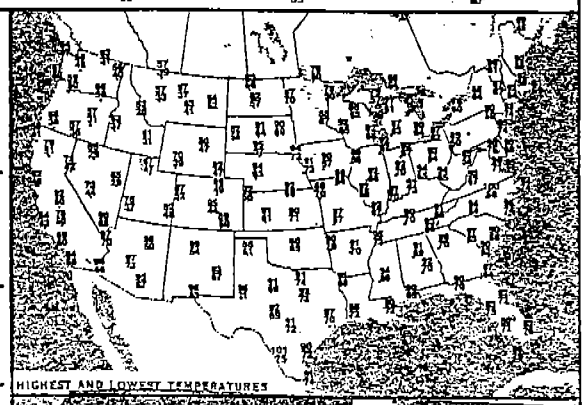
EDAS Meteorological Data
Vertical Motion Method - OMEGA

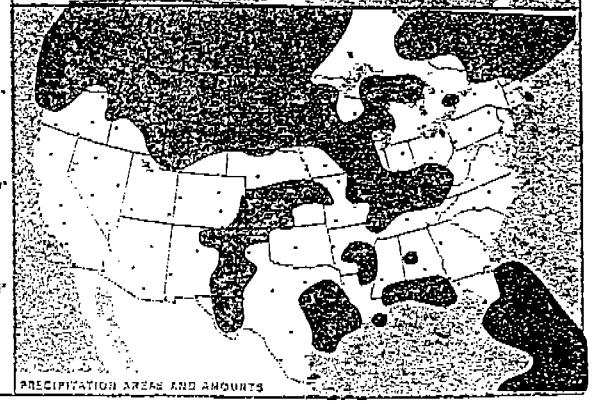


WEDNESDAY, JUNE 9, 1999









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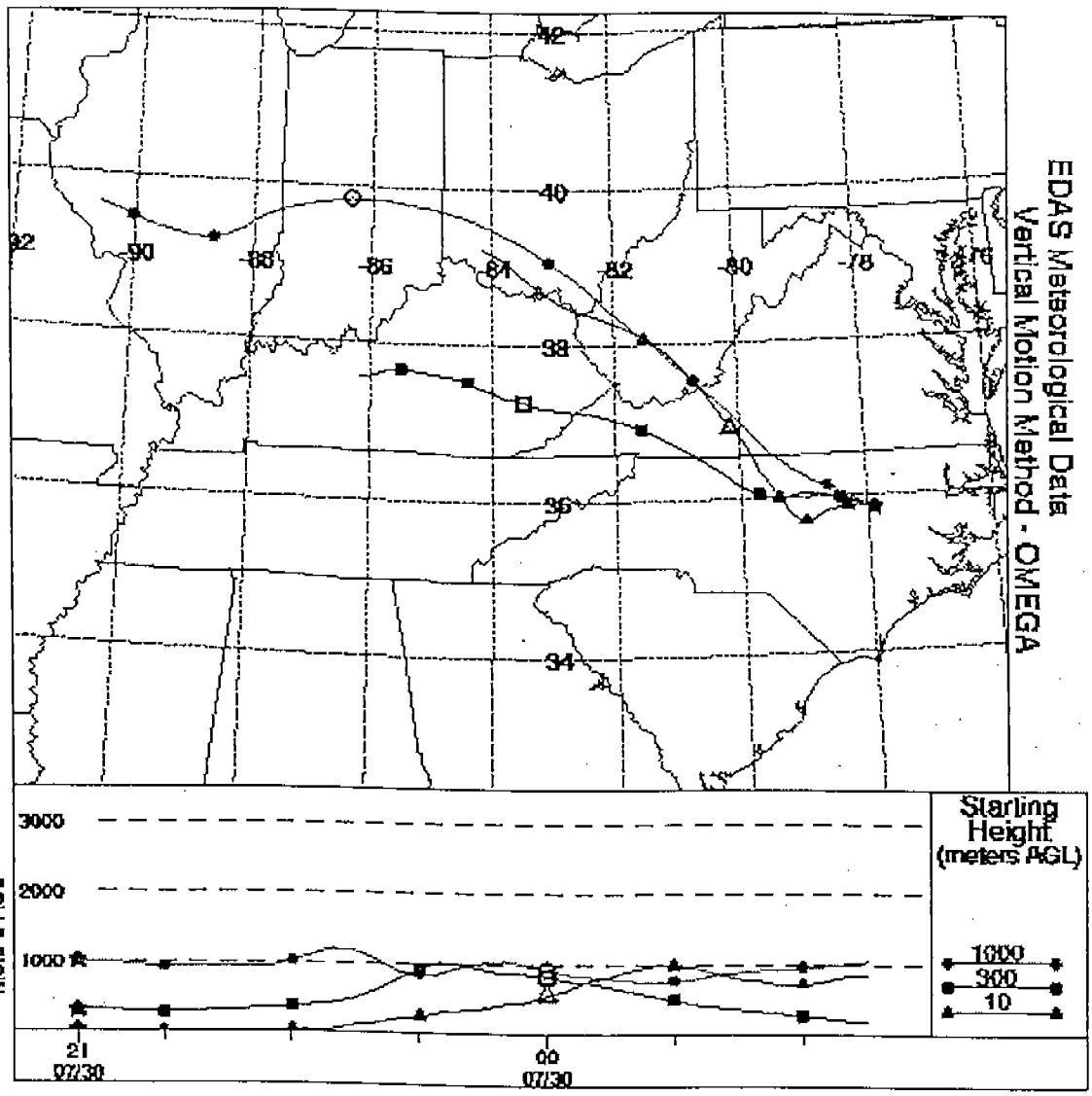
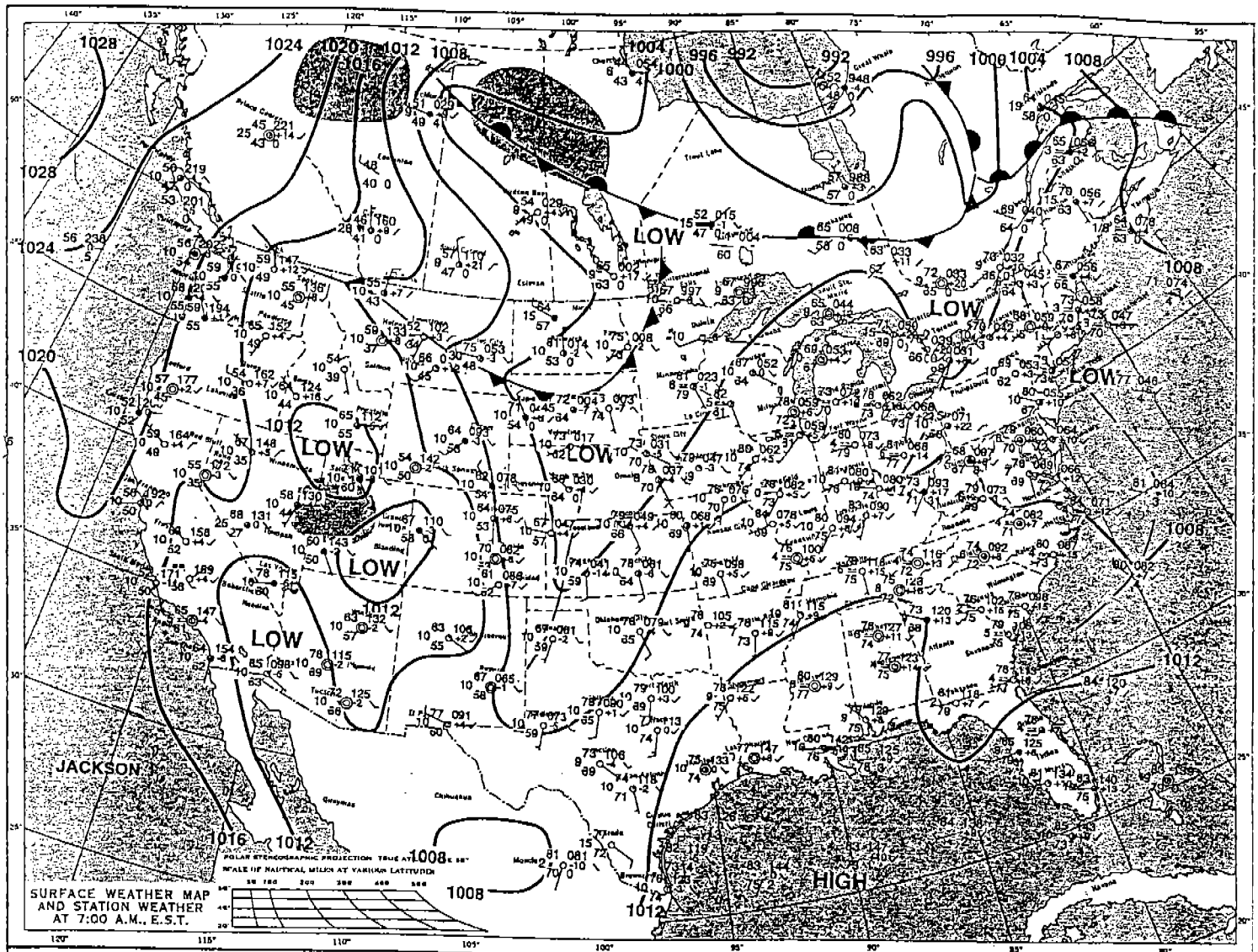
Backward Trajectories Ending- 21 UTC 30 JUL 99

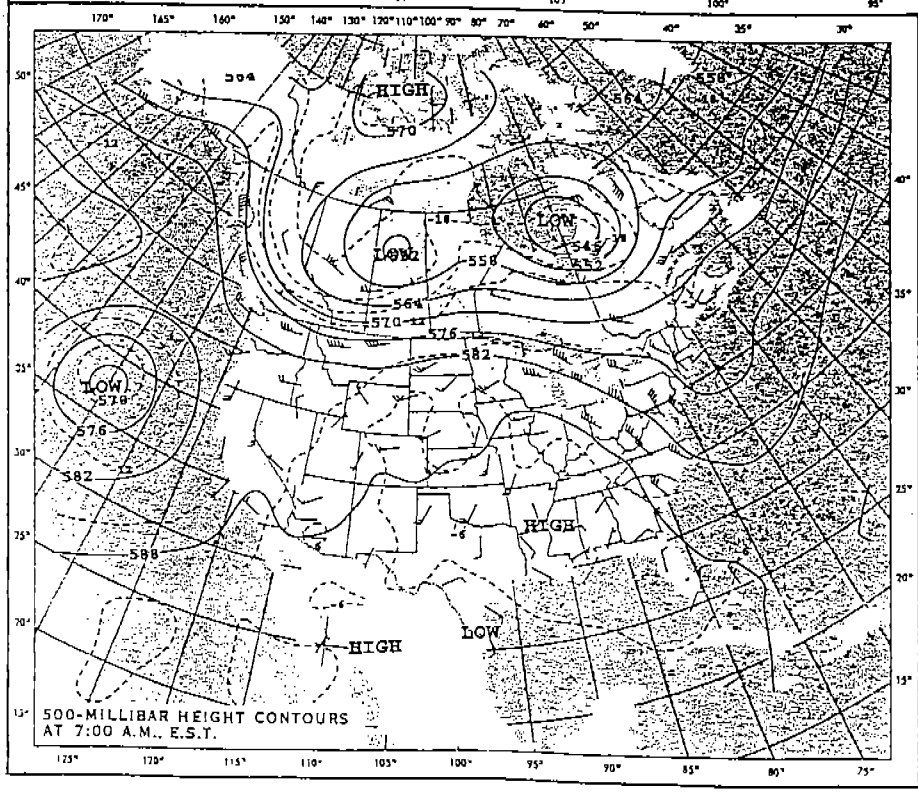
Source Location ★ at 35.85 N 77.90 W



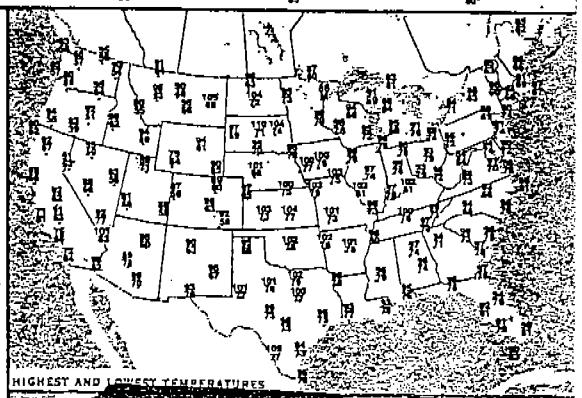
FRIDAY, JULY 30, 1999



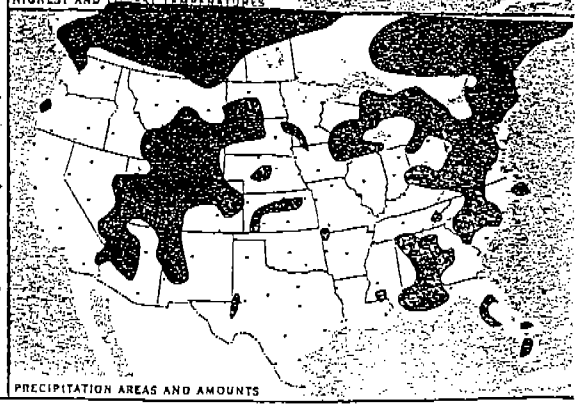
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



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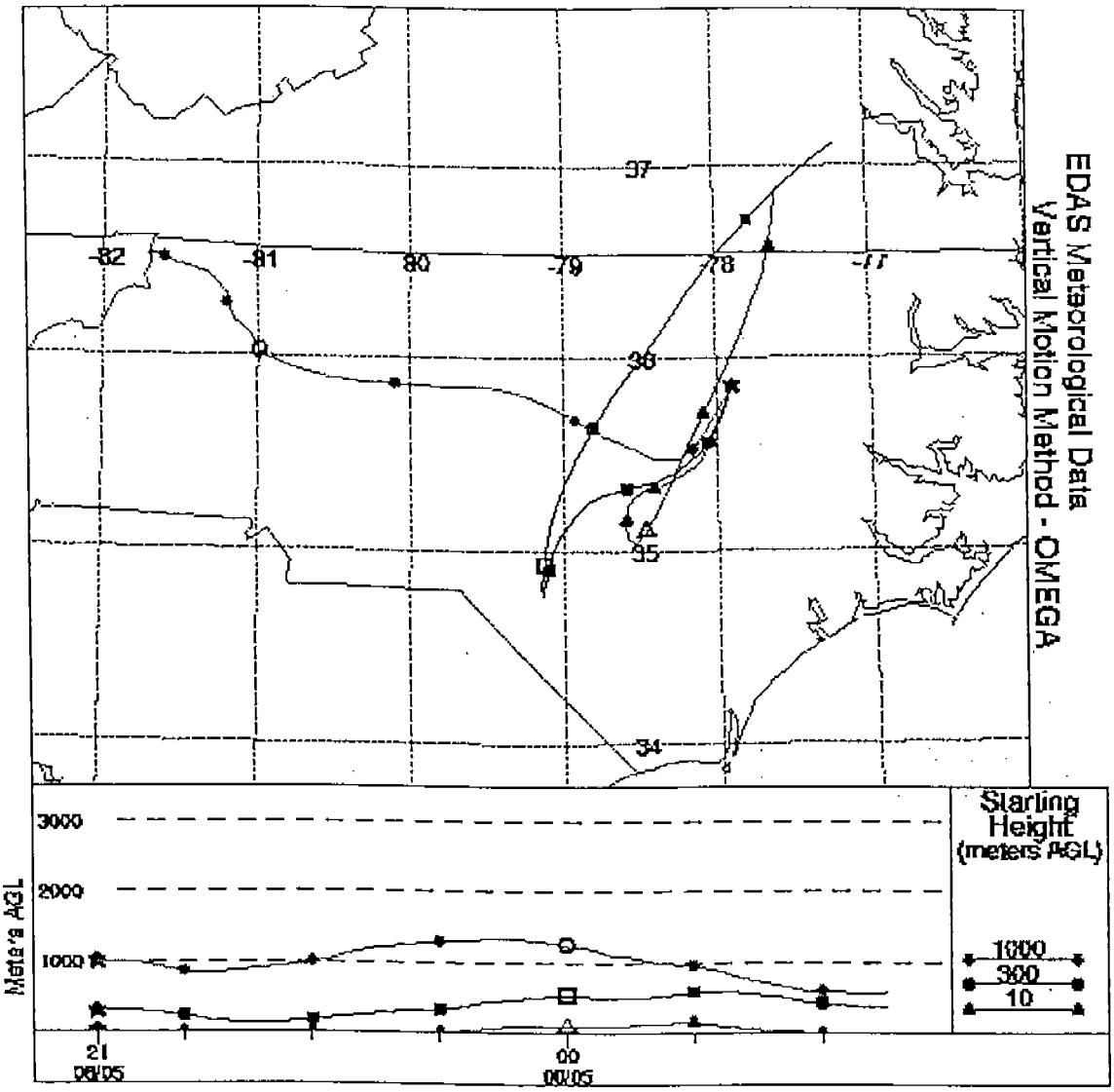
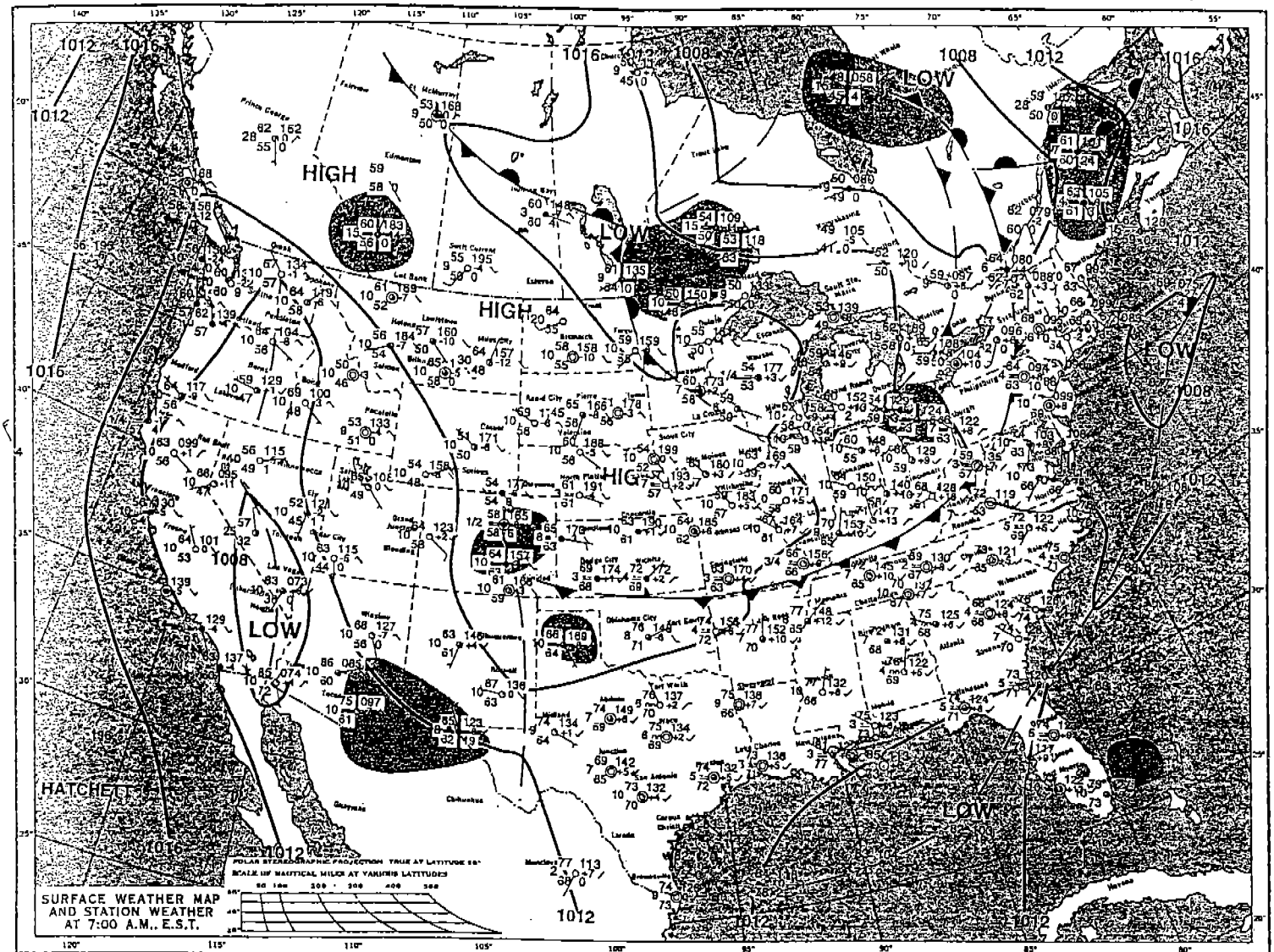
Backward Trajectories Ending- 21 UTC 05 AUG 99

Source Location ★ at 35.85 N 77.90 W

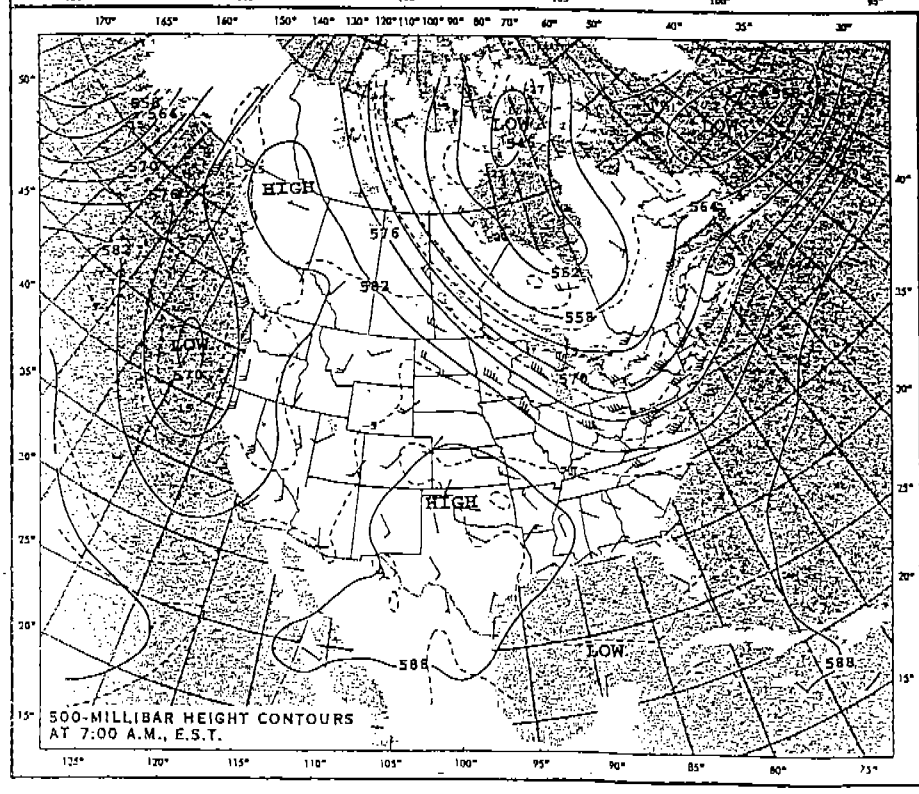
EDAS Meteorological Data
Vertical Motion Method - OMEGA



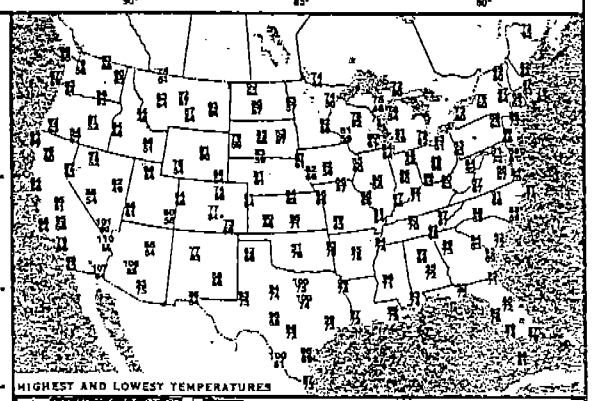
THURSDAY, AUGUST 5, 1999



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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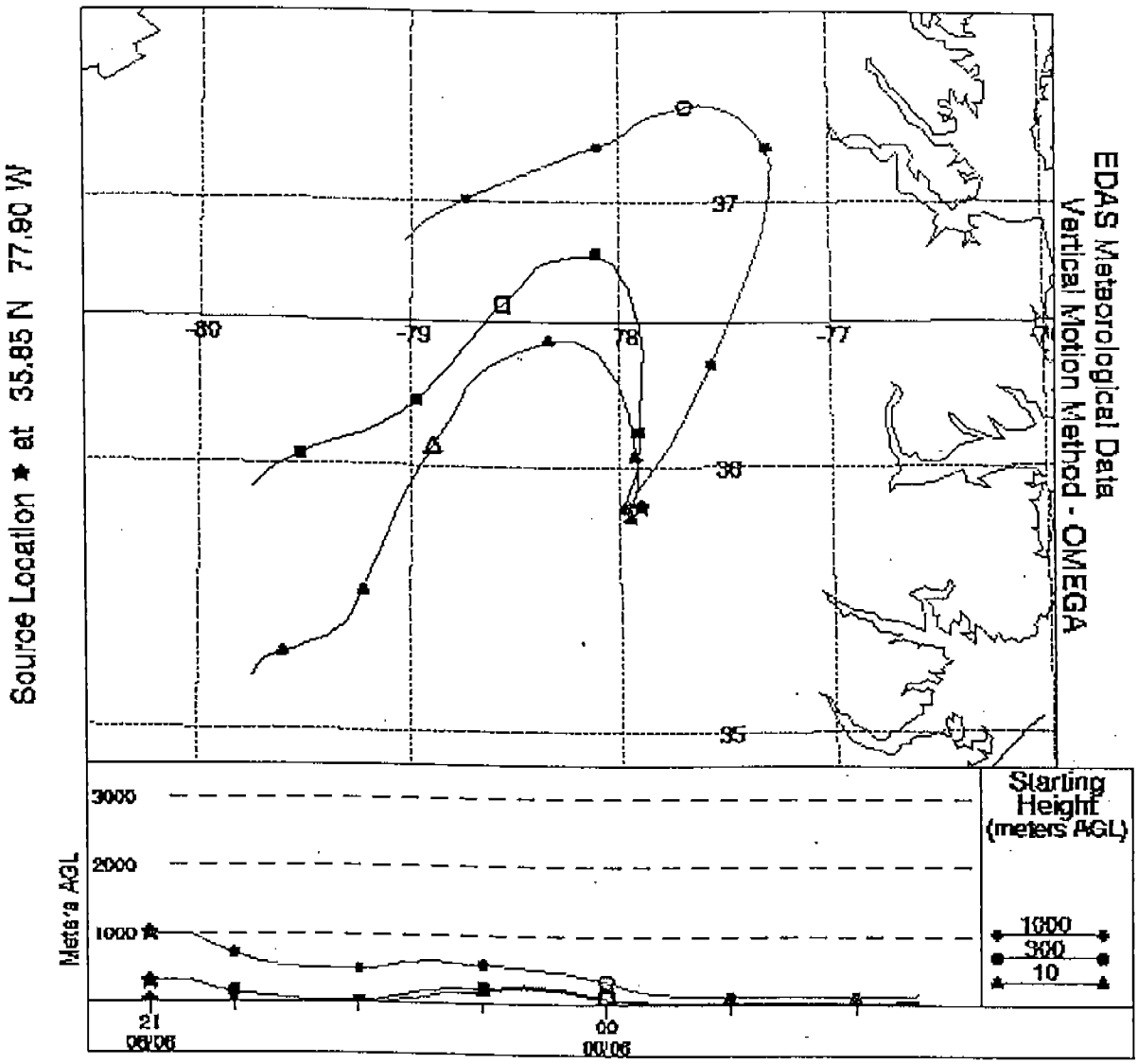
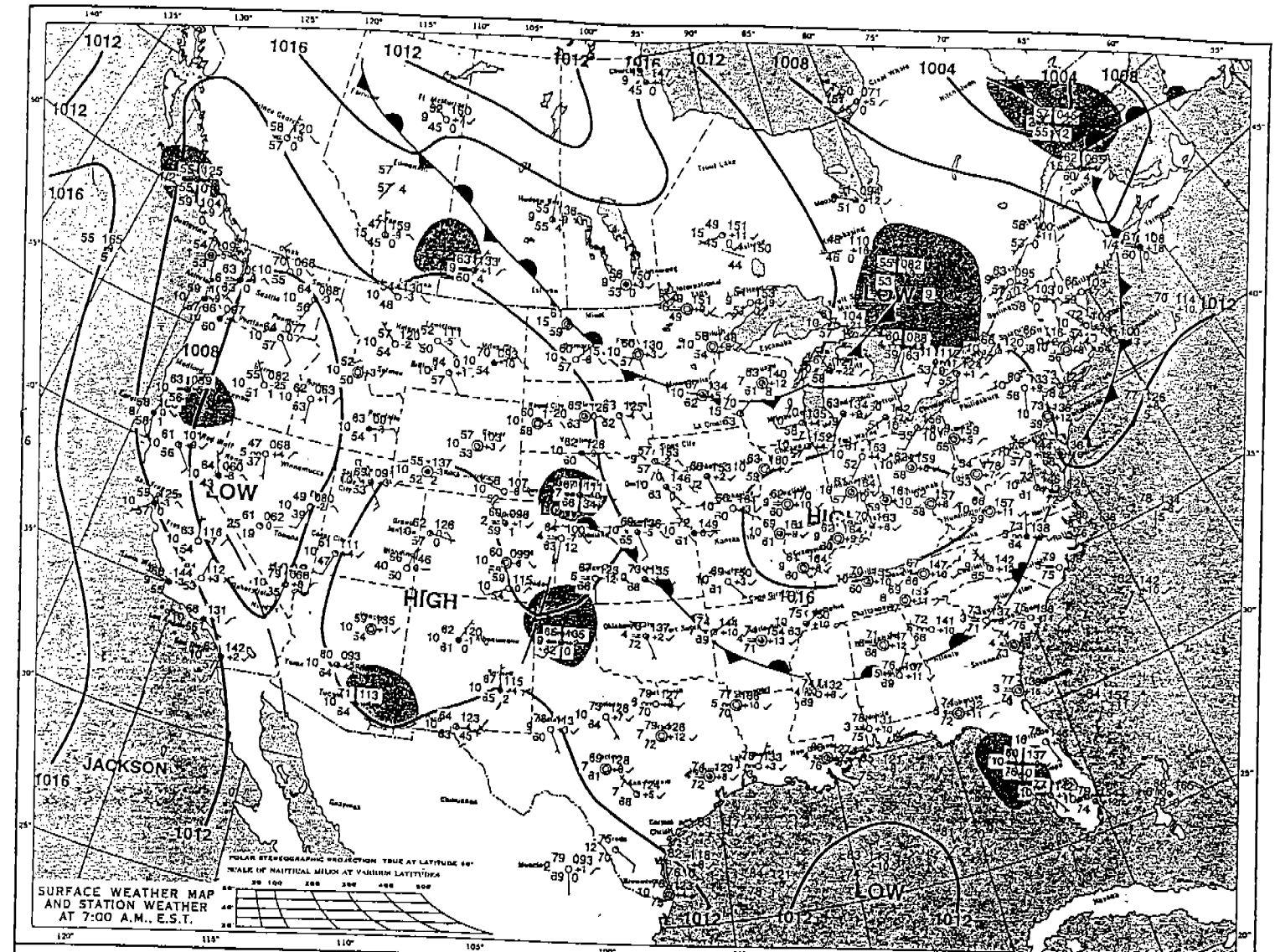
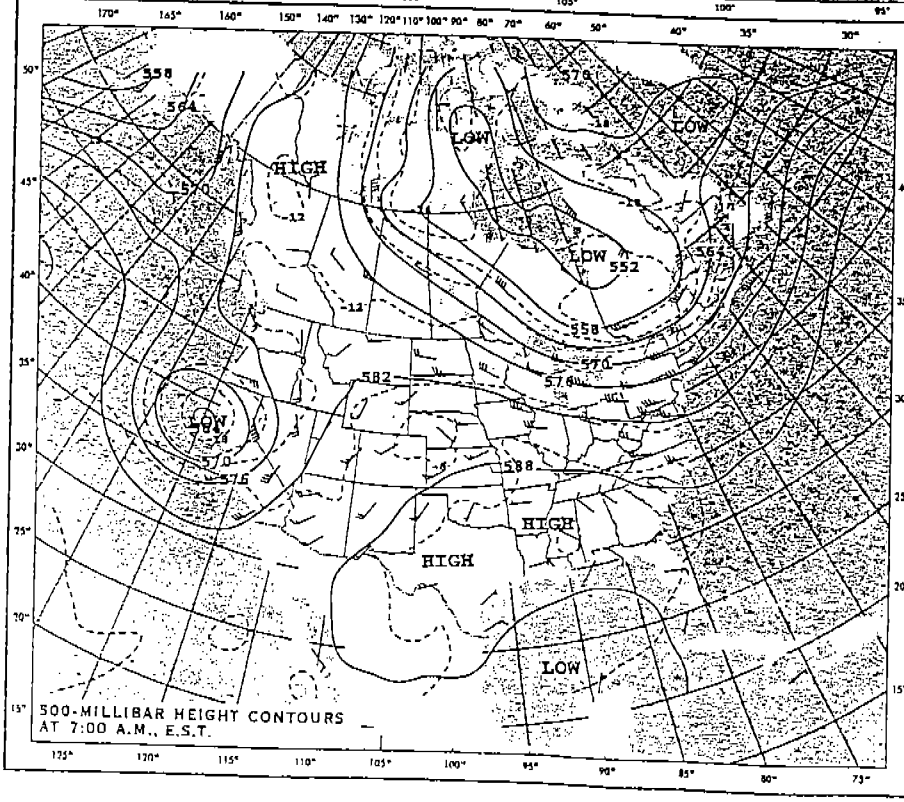
Backward Trajectories Ending- 21 UTC 06 AUG 99



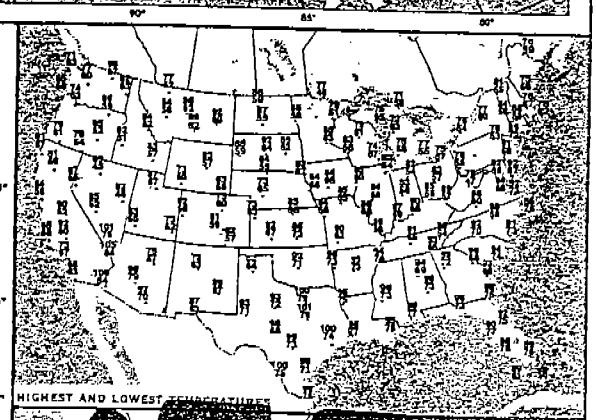
FRIDAY, AUGUST 6, 1999



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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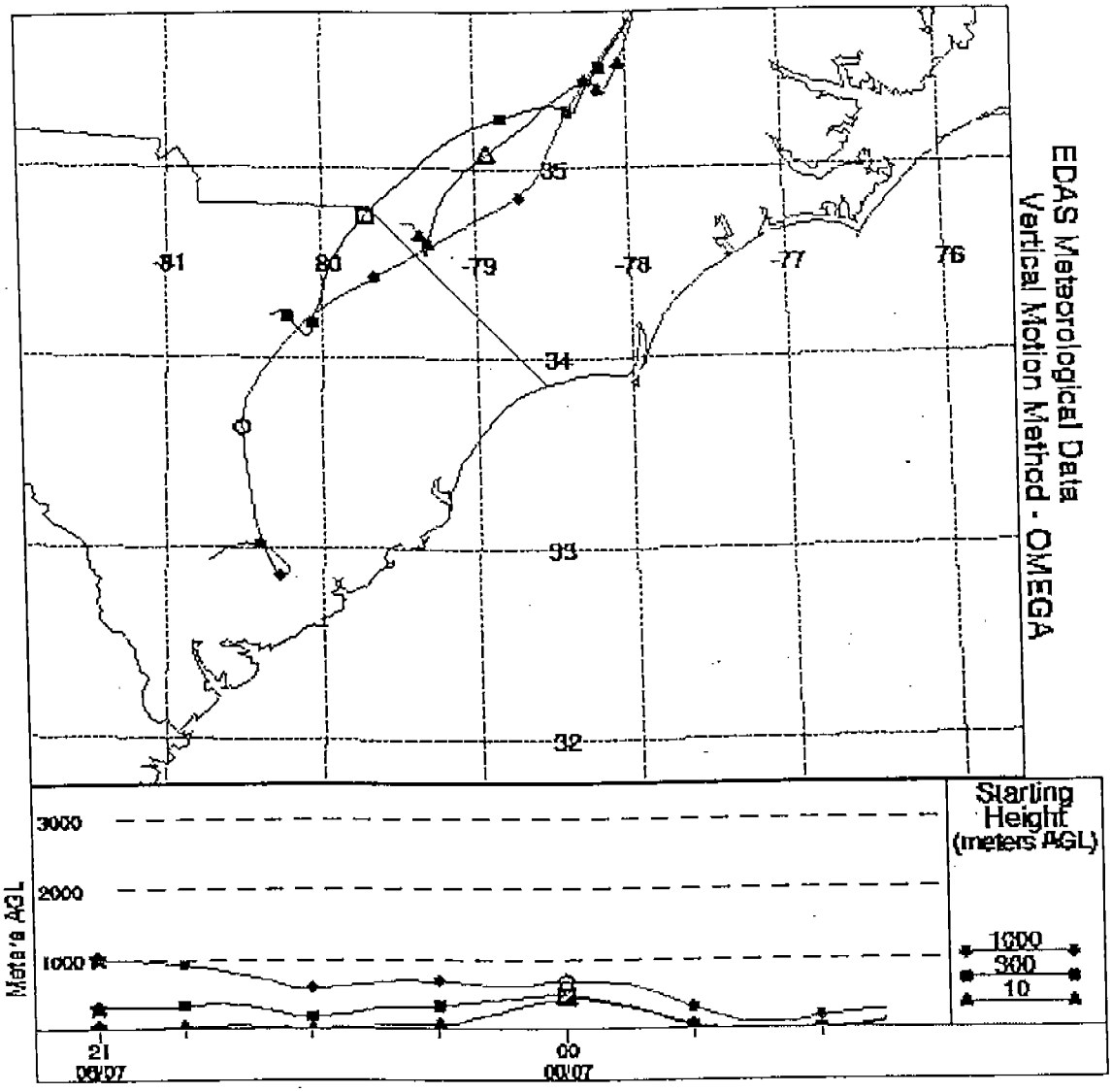
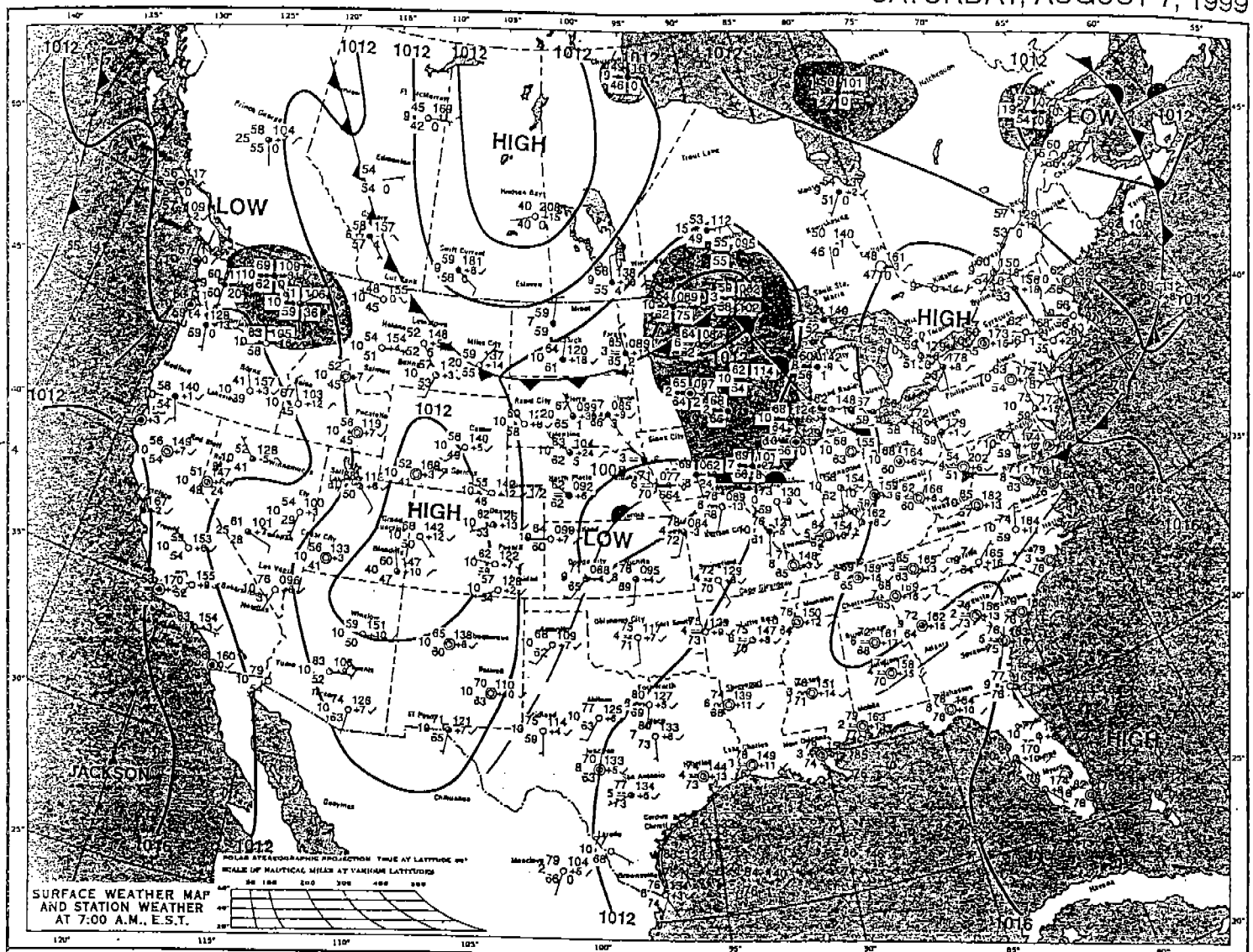
Backward Trajectories Ending- 21 UTC 07 AUG 99

Source Location ★ at 35.85 N 77.90 W

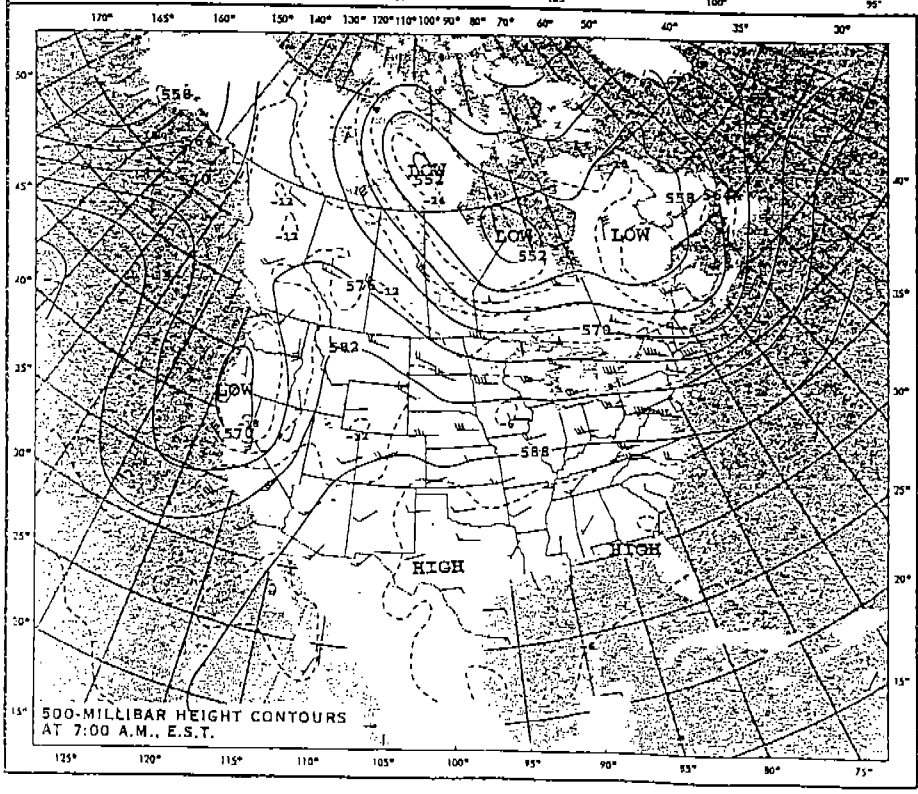
EDAS Meteorological Data
Vertical Motion Method - OMEGA



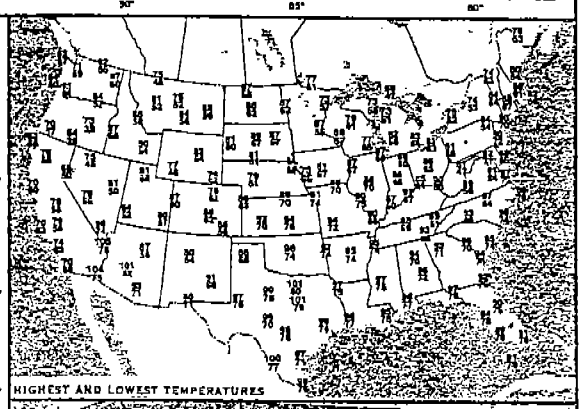
SATURDAY, AUGUST 7, 1999



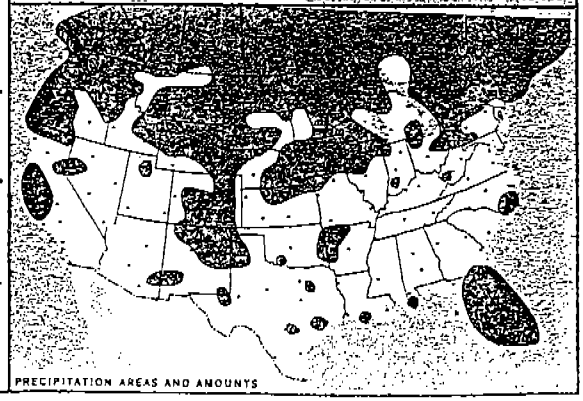
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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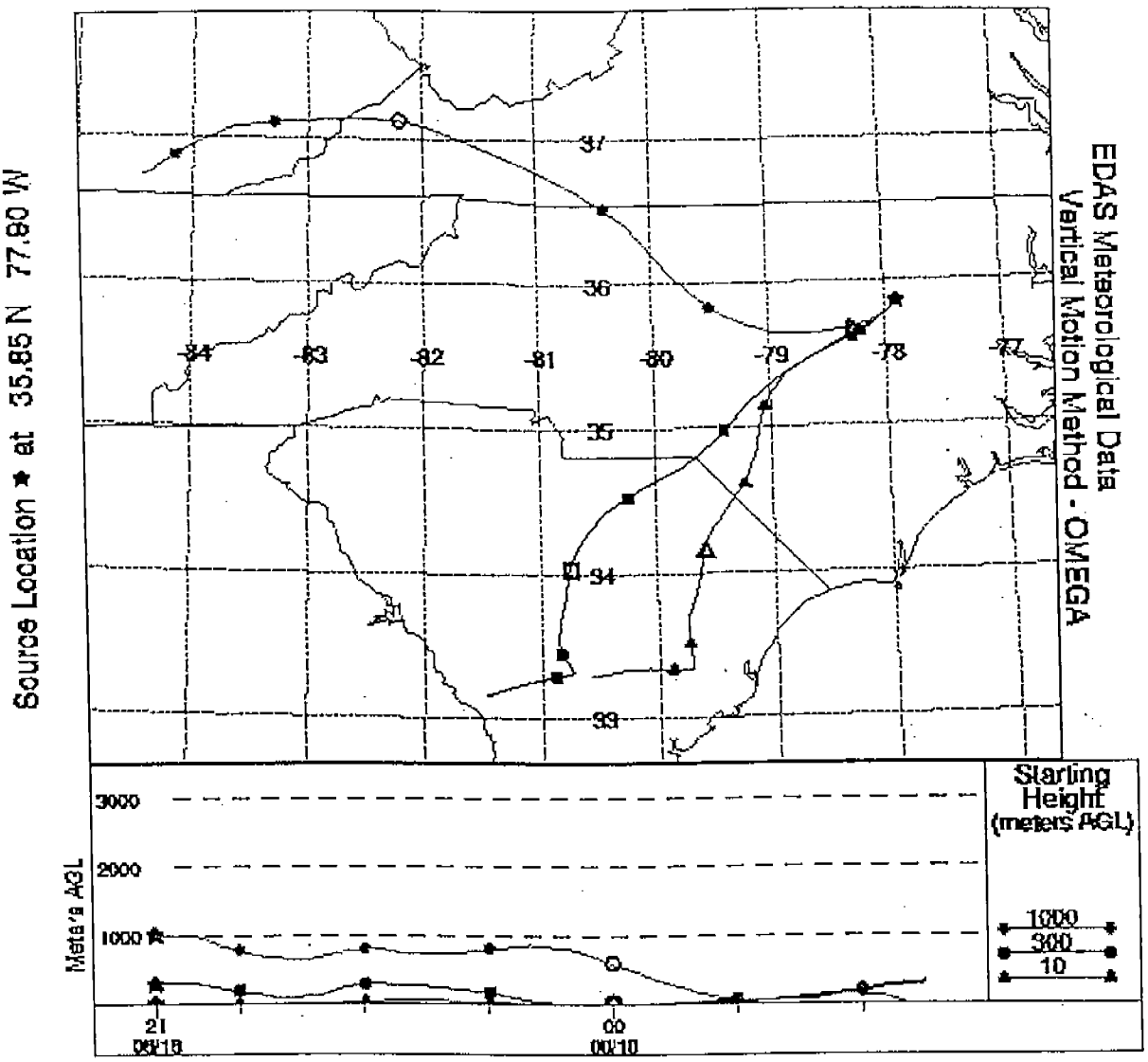
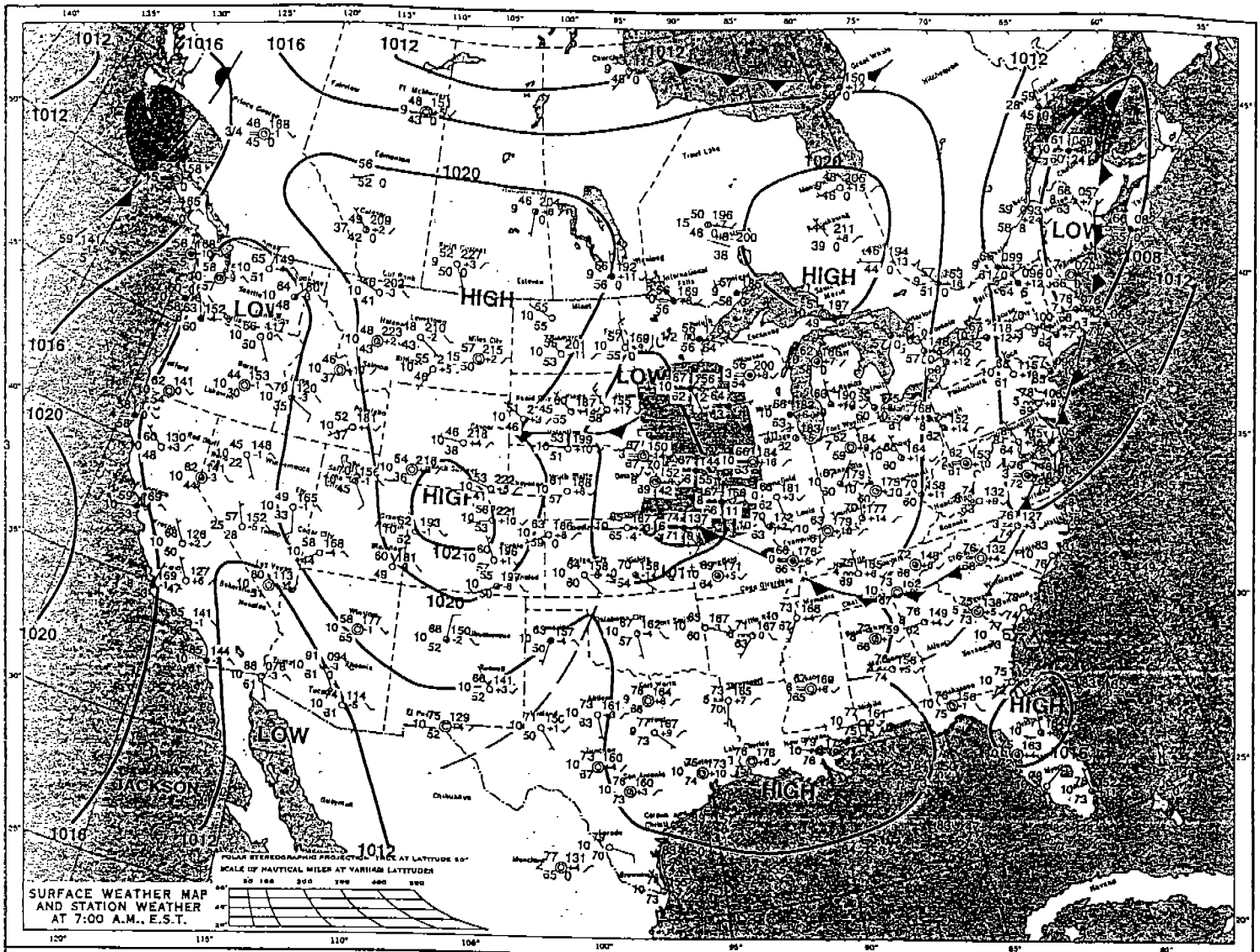
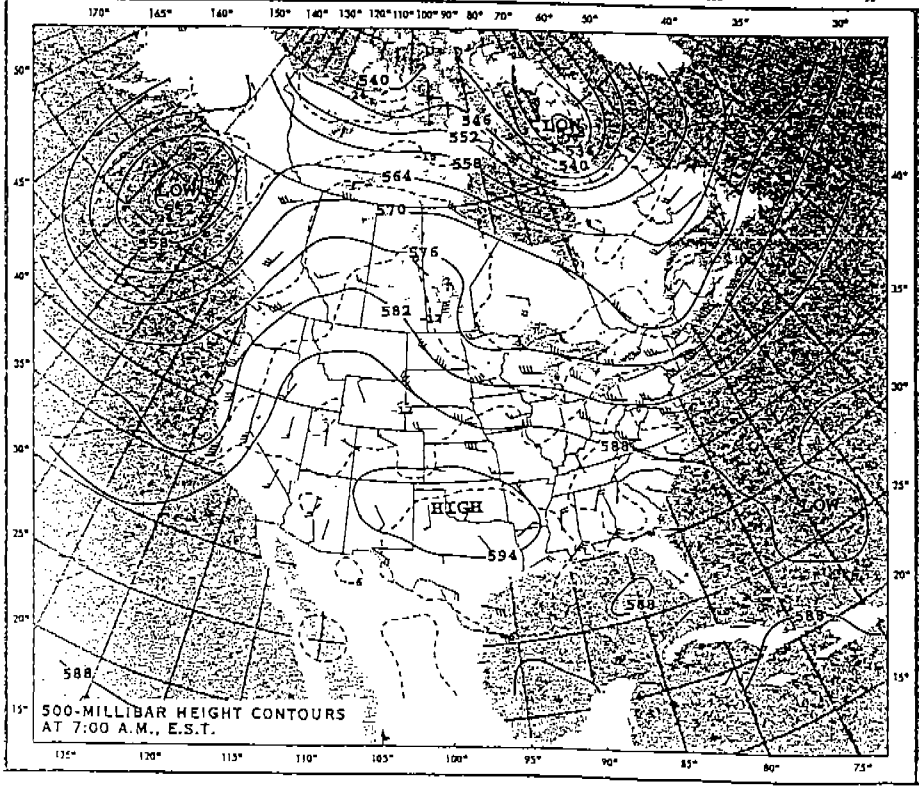
Backward Trajectories Ending- 21 UTC 18 AUG 99



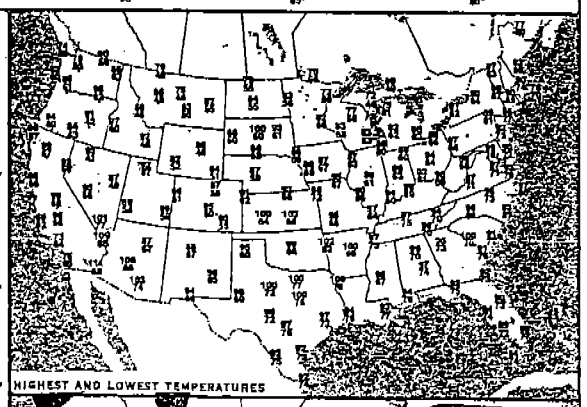
WEDNESDAY, AUGUST 18, 1999



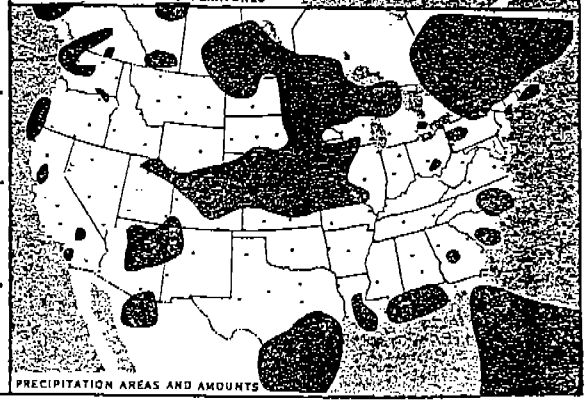
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

Ozone Exceedance Day Back Trajectories

Monitor Site:	Lenoir (Caldwell Co.)
Monitor ID:	370270003
Latitude:	35.94°N
Longitude:	81.53°W

Back Trajectory Model:	HYSPLIT4
Archived Meteorological Dataset:	EDAS
Vertical Motion Scheme:	Model Vertical Velocity (Omega)
Back Trajectory Duration:	24 hours
Trajectory End Time:	20:00 UTC
Trajectory Heights:	1000 meters AGL 300 meters AGL 10 meters AGL

Total 1997 8-Hour Ozone Exceedance Days: **1**

1997 Ozone Exceedance Dates:

- May --
- June --
- July -- 12
- August --
- September --

Total 1998 8-Hour Ozone Exceedance Days: **11**

1998 Ozone Exceedance Dates:

- May -- 20
- June --
- July --
- August -- 5, 6, 21, 29
- September -- 5, 12, 13, 14, 17, 18

Total 1999 8-Hour Ozone Exceedance Days: 17

1999 Ozone Exceedance Dates:

- May -- 11, 29, 30
- June -- 5, 6
- July -- 16
- August -- 4, 5, 13, 16, 17, 18, 19
- September -- 12, 13, 20, 25

Ozone Exceedance Day Back Trajectories

Monitor Site:	Taylorsville (Alexander Co.)
Monitor ID:	370030003
Latitude:	35.9°N
Longitude:	81.18°W

Back Trajectory Model:	HYSPLIT4
Archived Meteorological Dataset:	EDAS
Vertical Motion Scheme:	Model Vertical Velocity (Omega)
Back Trajectory Duration:	24 hours
Trajectory End Time:	20:00 UTC
Trajectory Heights:	1000 meters AGL
	300 meters AGL
	10 meters AGL

Total 1997 8-Hour Ozone Exceedance Days: **3**

1997 Ozone Exceedance Dates:

- May --
- June --
- July -- 8, 15
- August -- 1
- September --

Total 1998 8-Hour Ozone Exceedance Days: **18**

1998 Ozone Exceedance Dates:

- May --
- June --
- July -- 7, 13, 21
- August -- 4, 5, 6, 21, 23, 24, 27, 29
- September -- 5, 12, 13, 14, 16, 17, 18

Total 1999 8-Hour Ozone Exceedance Days: **2**

1999 Ozone Exceedance Dates:

- May --
- June --
- July --
- August -- 7, 13
- September --

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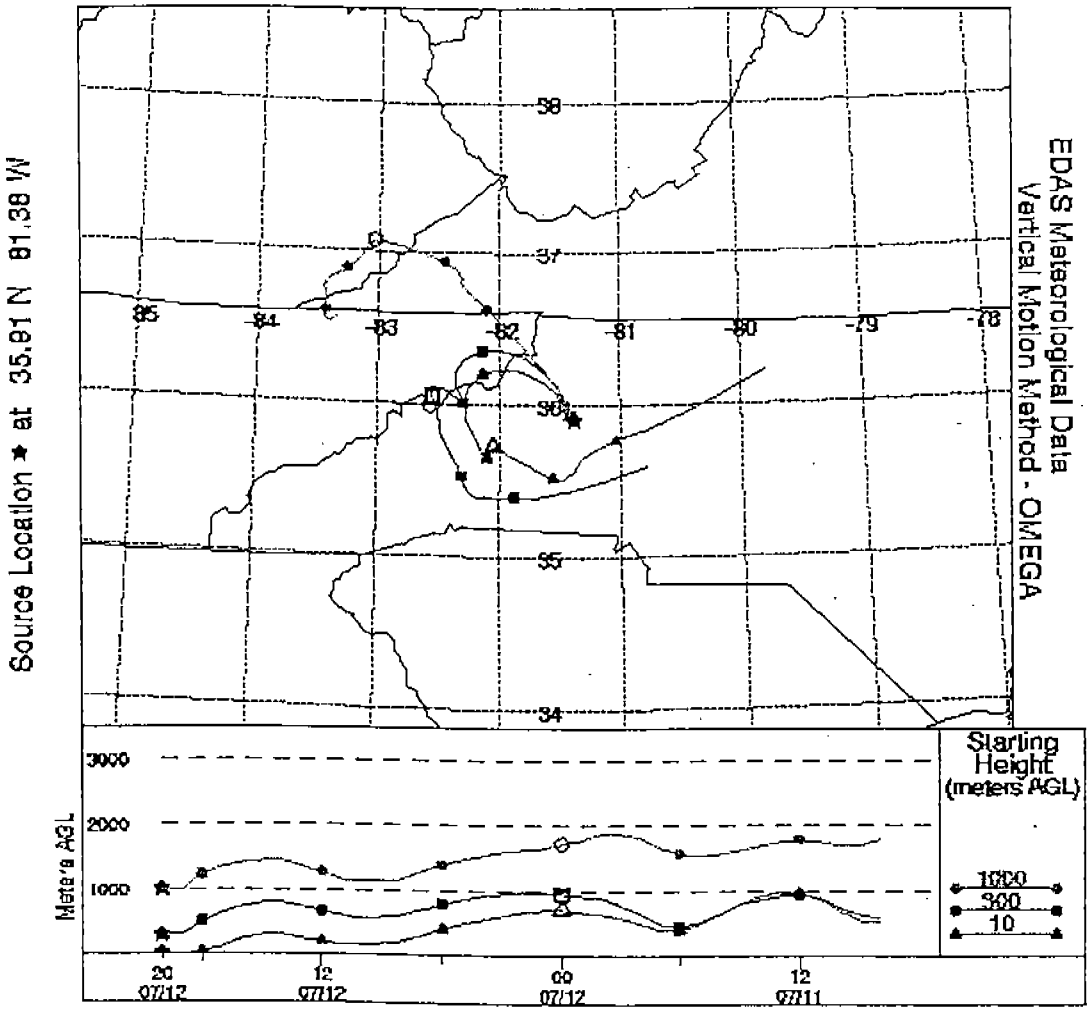
Backward Trajectories Ending- 20 UTC 12 JUL 97



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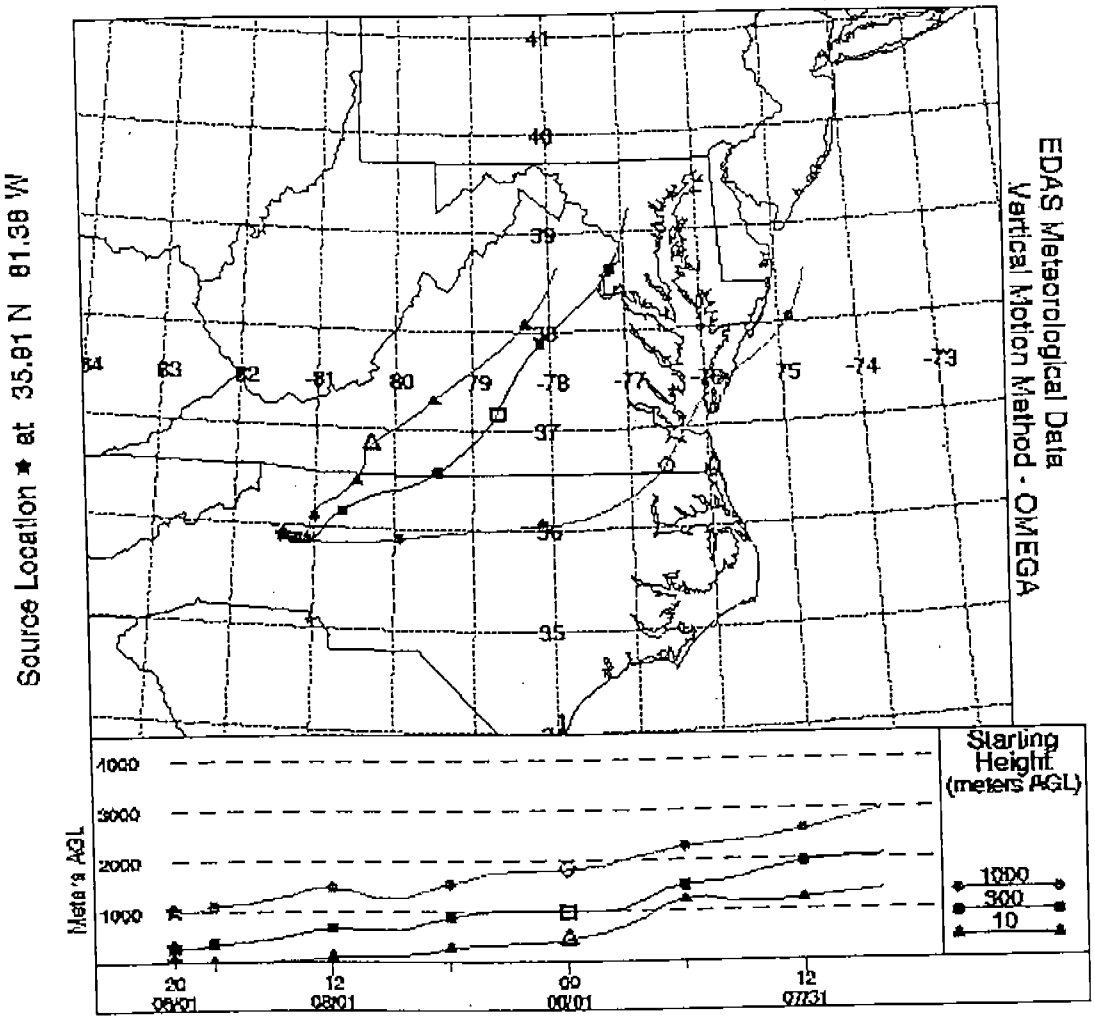
Backward Trajectories Ending- 20 UTC 01 AUG 97



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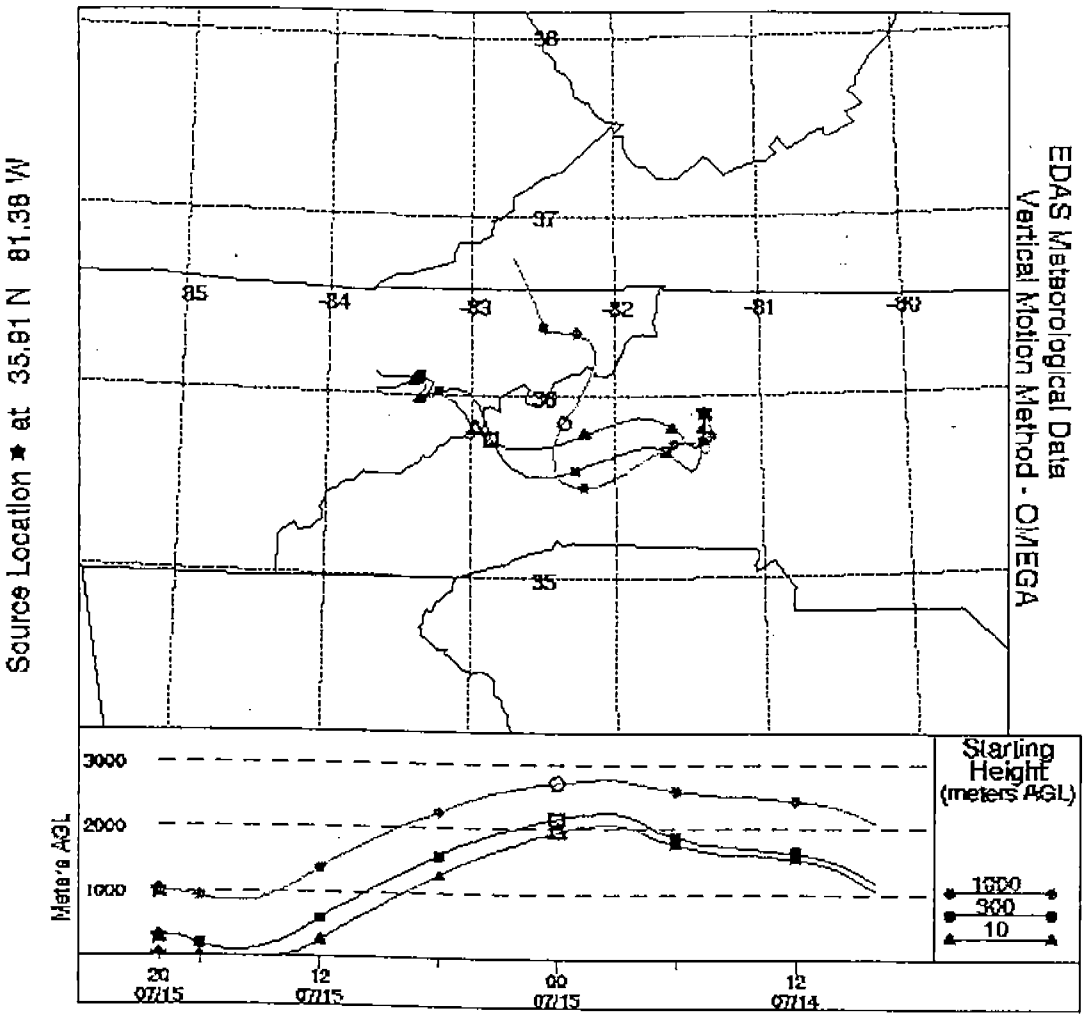
Backward Trajectories Ending- 20 UTC 15 JUL 97



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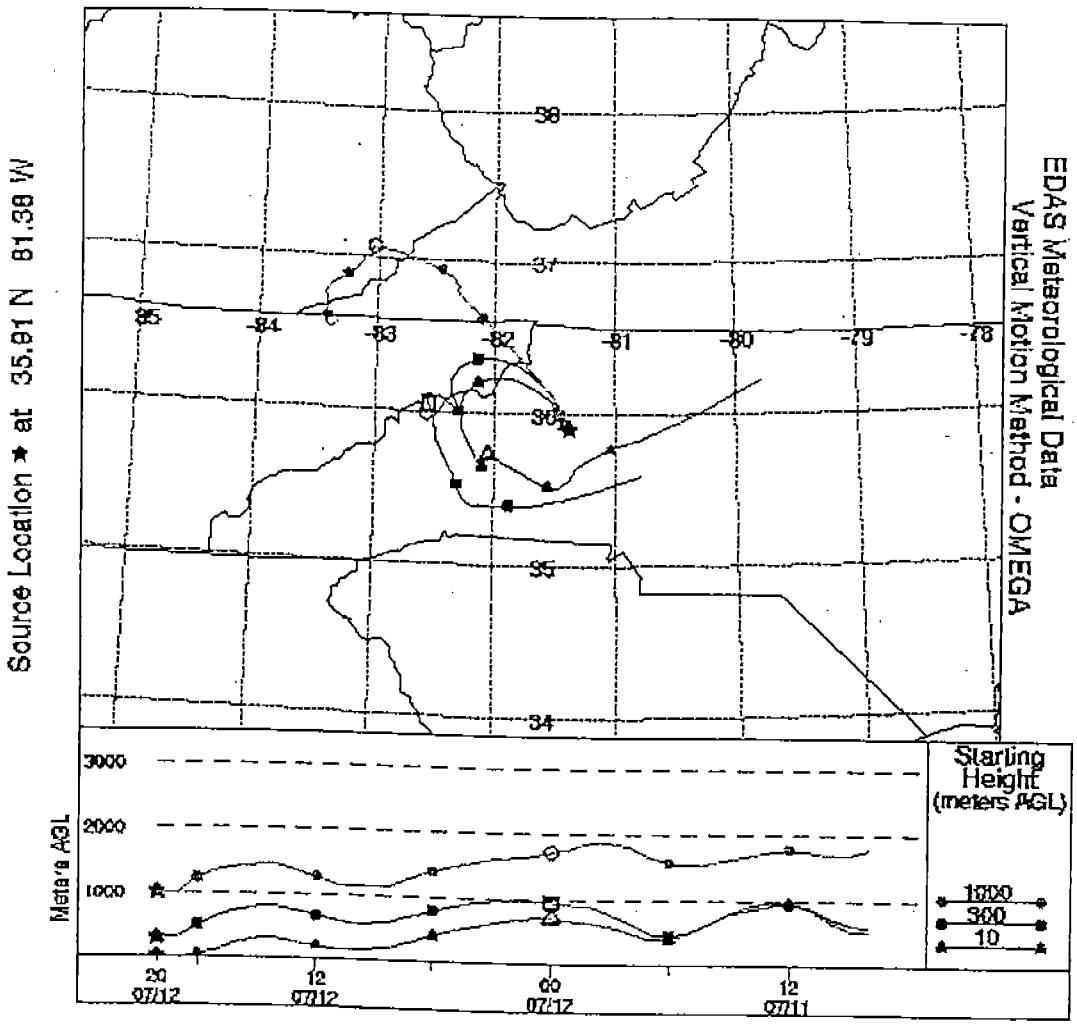
Backward Trajectories Ending- 20 UTC 12 JUL 97



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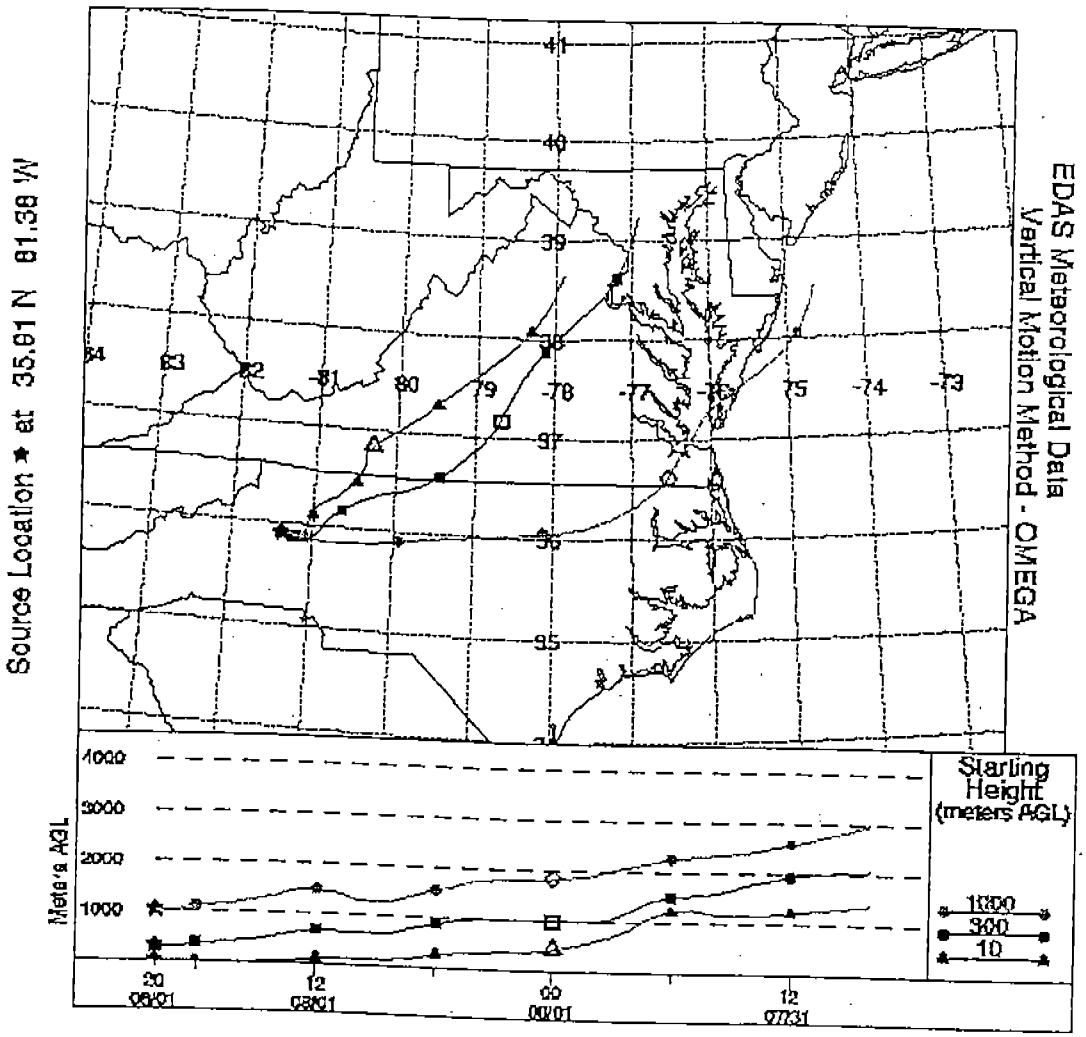
Backward Trajectories Ending 20 UTC 01 AUG 97



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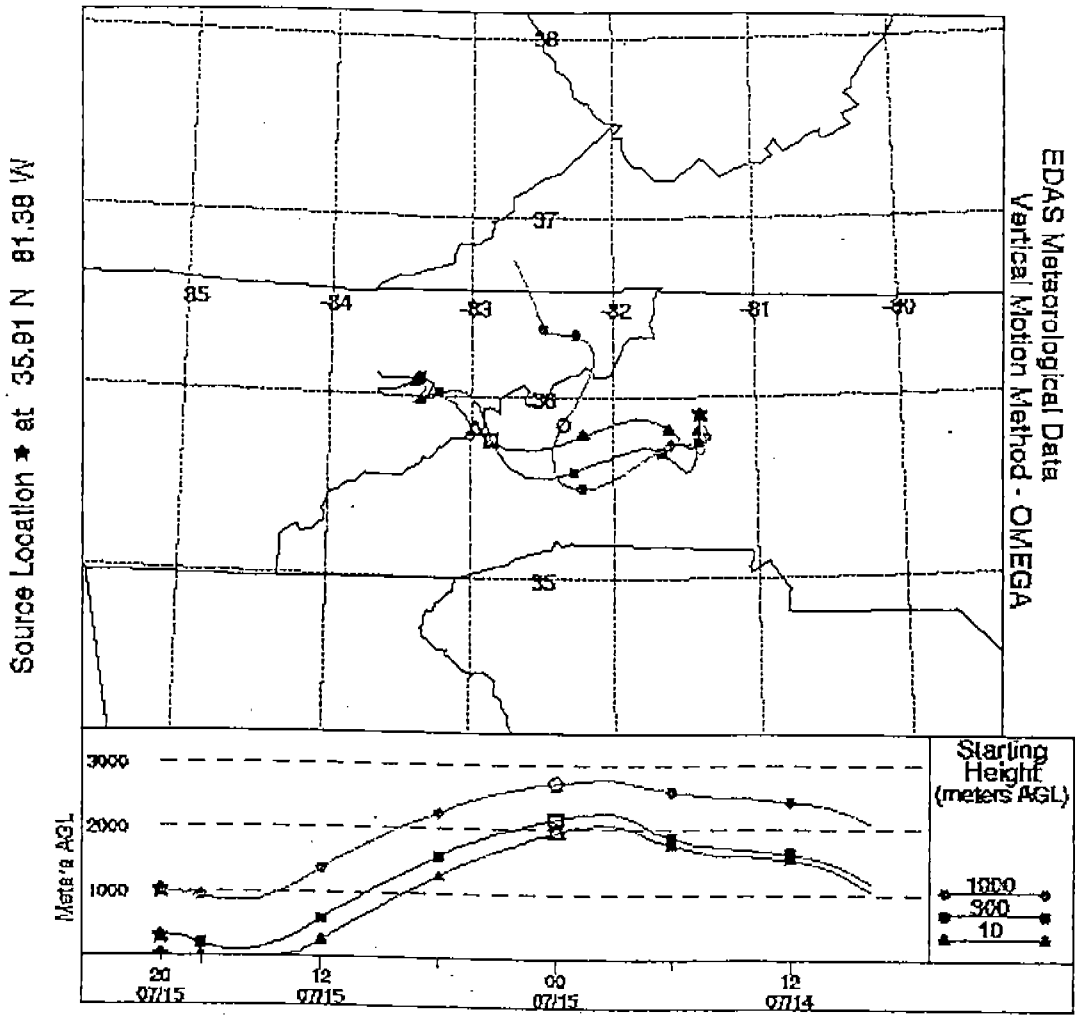
Backward Trajectories Ending- 20 UTC 15 JUL 97



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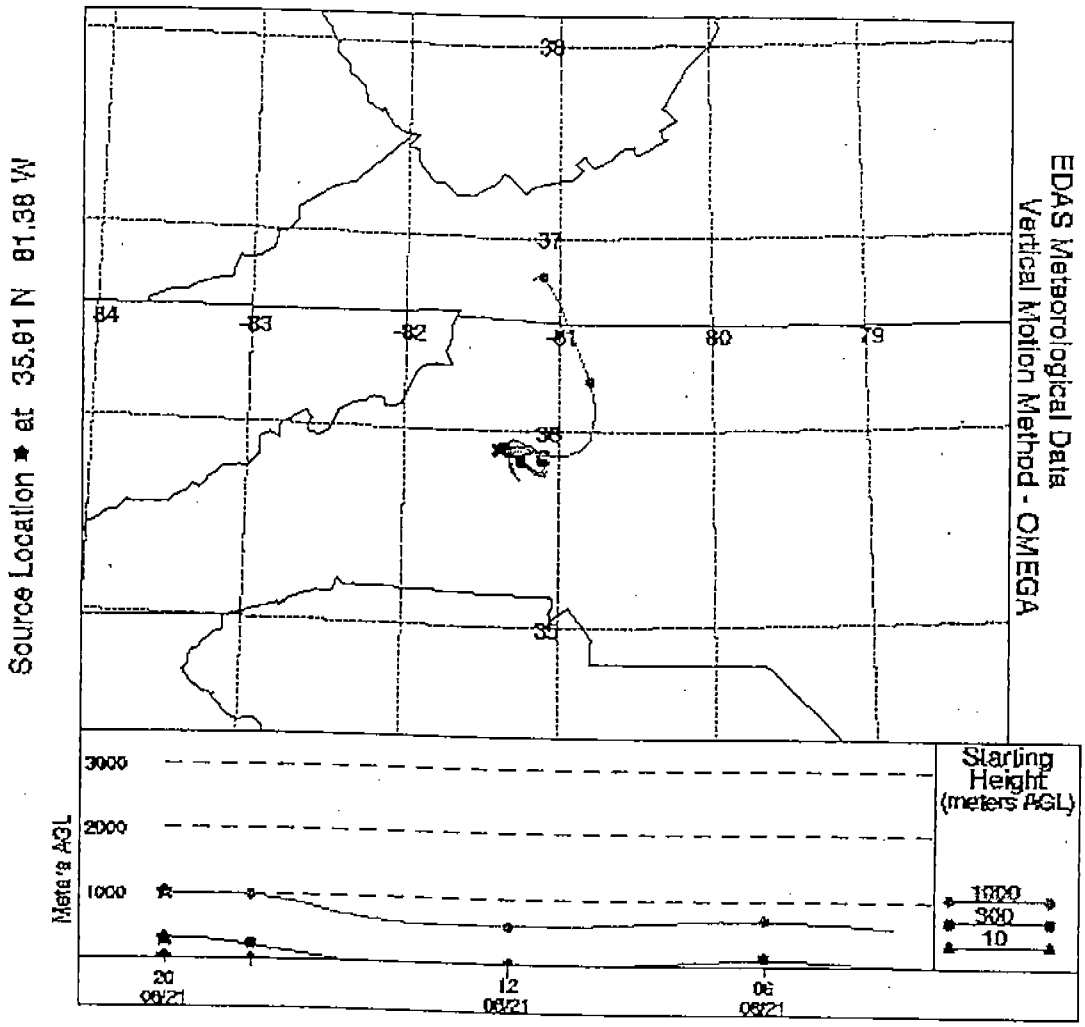
Backward Trajectories Ending- 20 UTC 21 AUG 98



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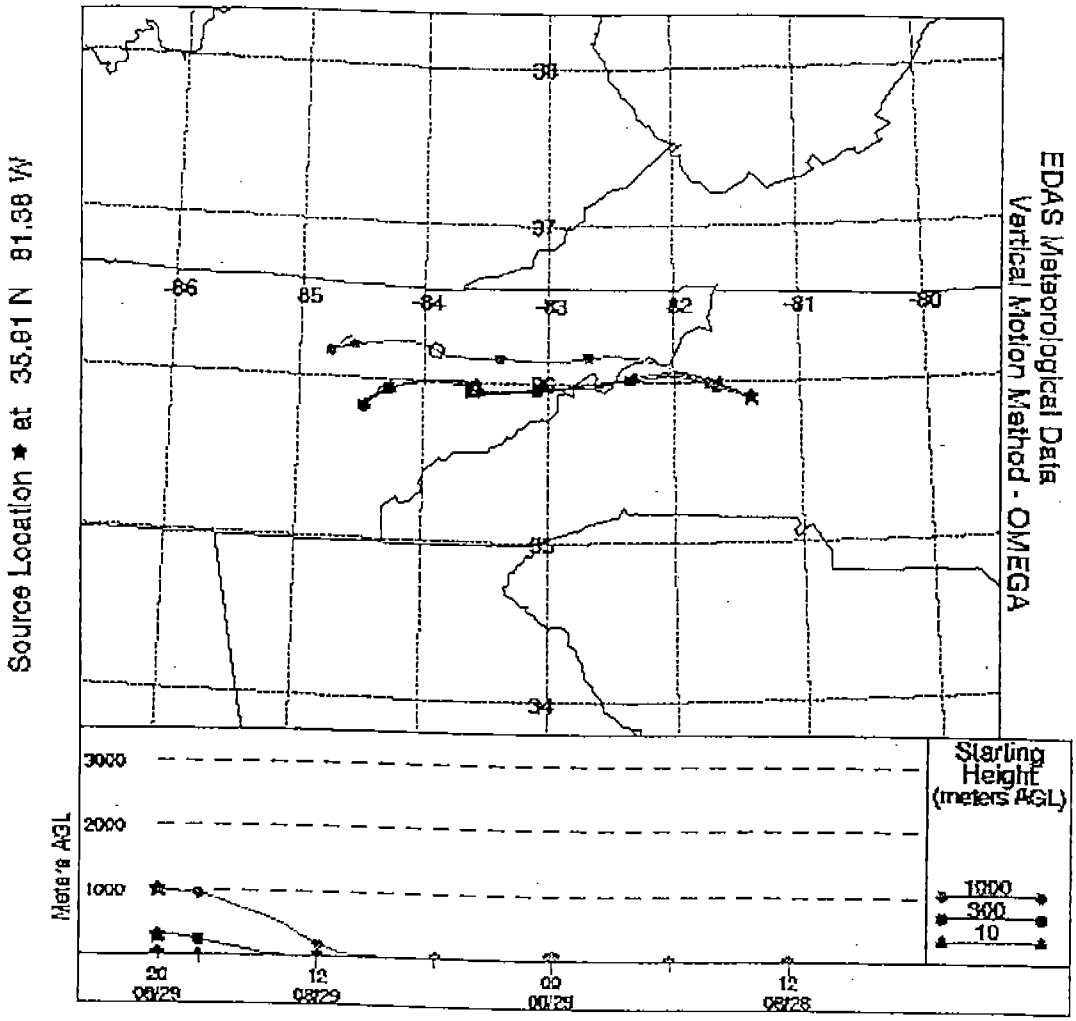
Backward Trajectories Ending 20 UTC 29 AUG 98



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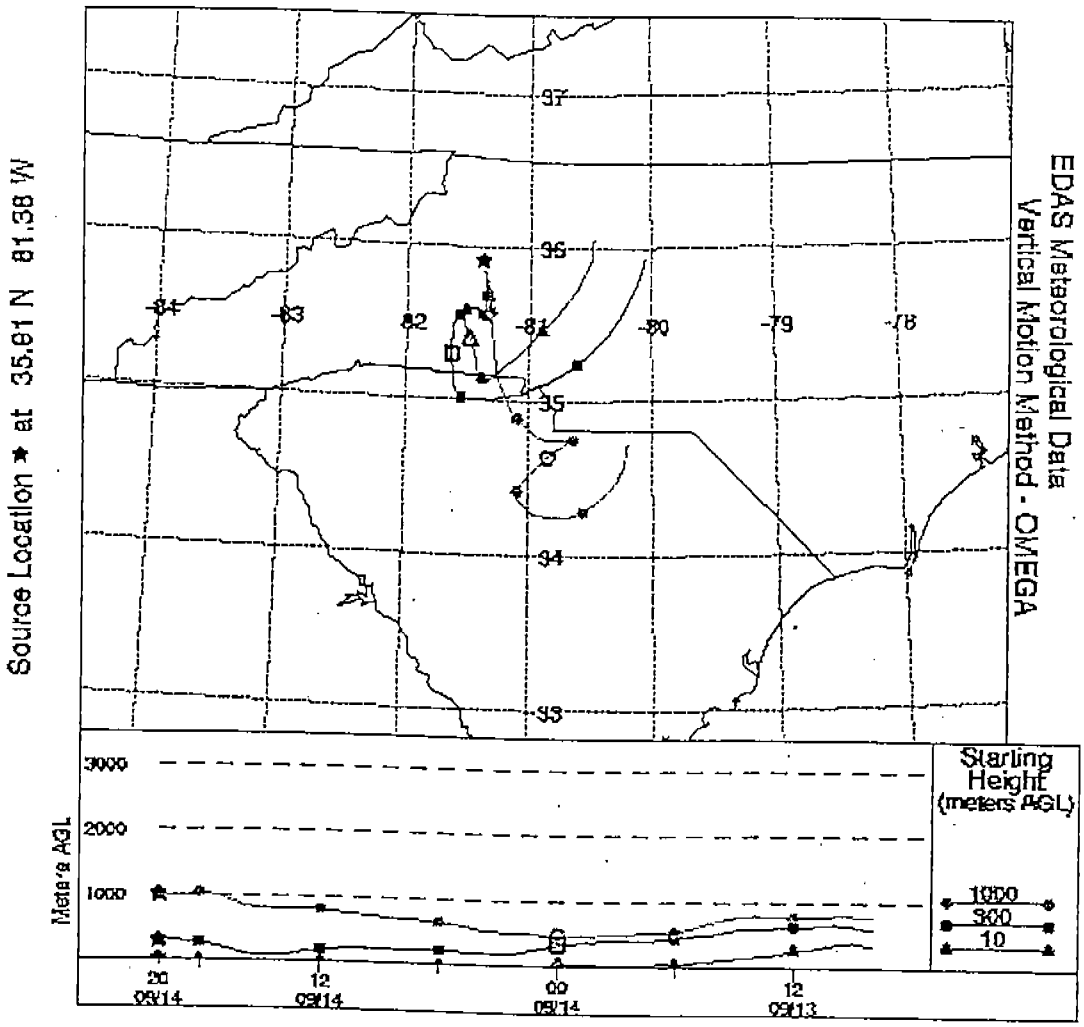
Backward Trajectories Ending- 20 UTC 14 SEP 98



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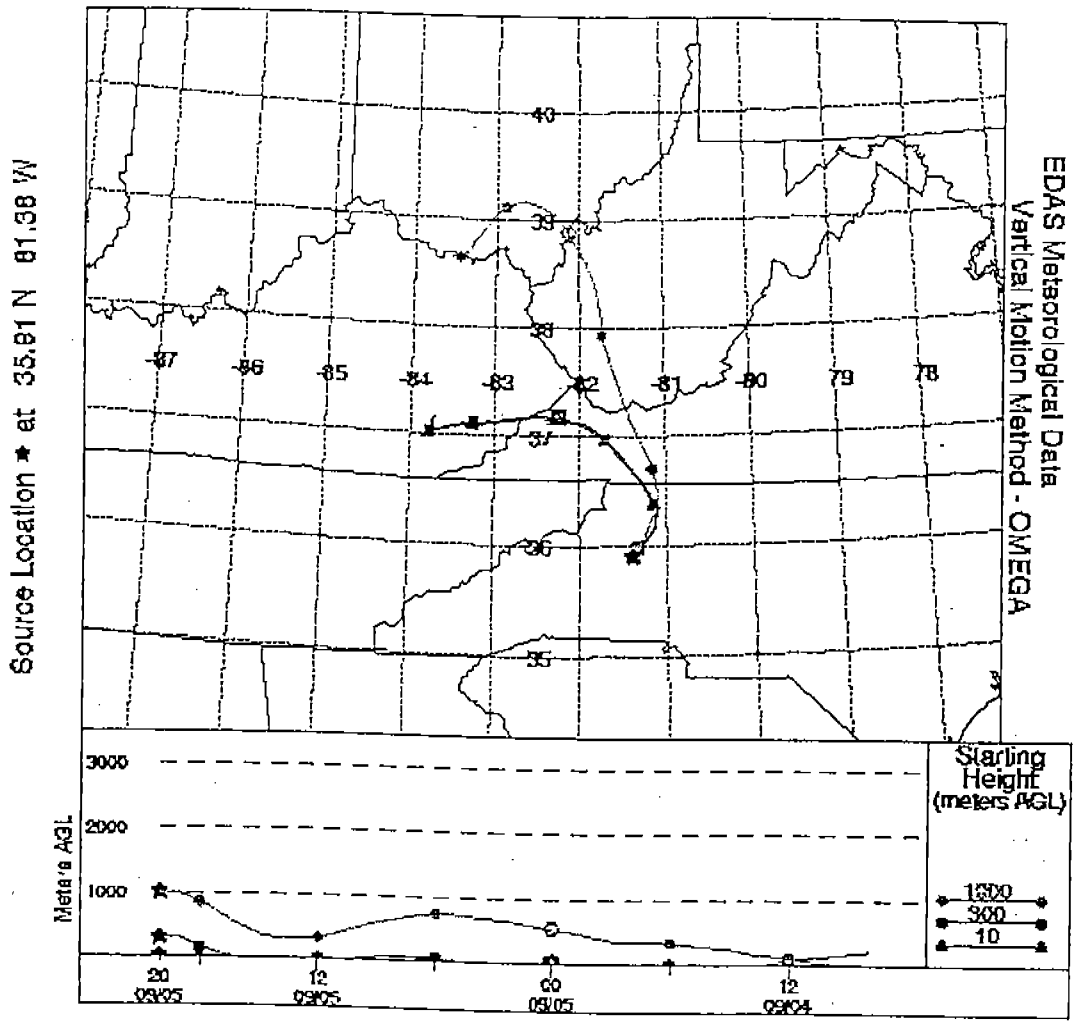
Backward Trajectories Ending- 20 UTC 05 SEP 98



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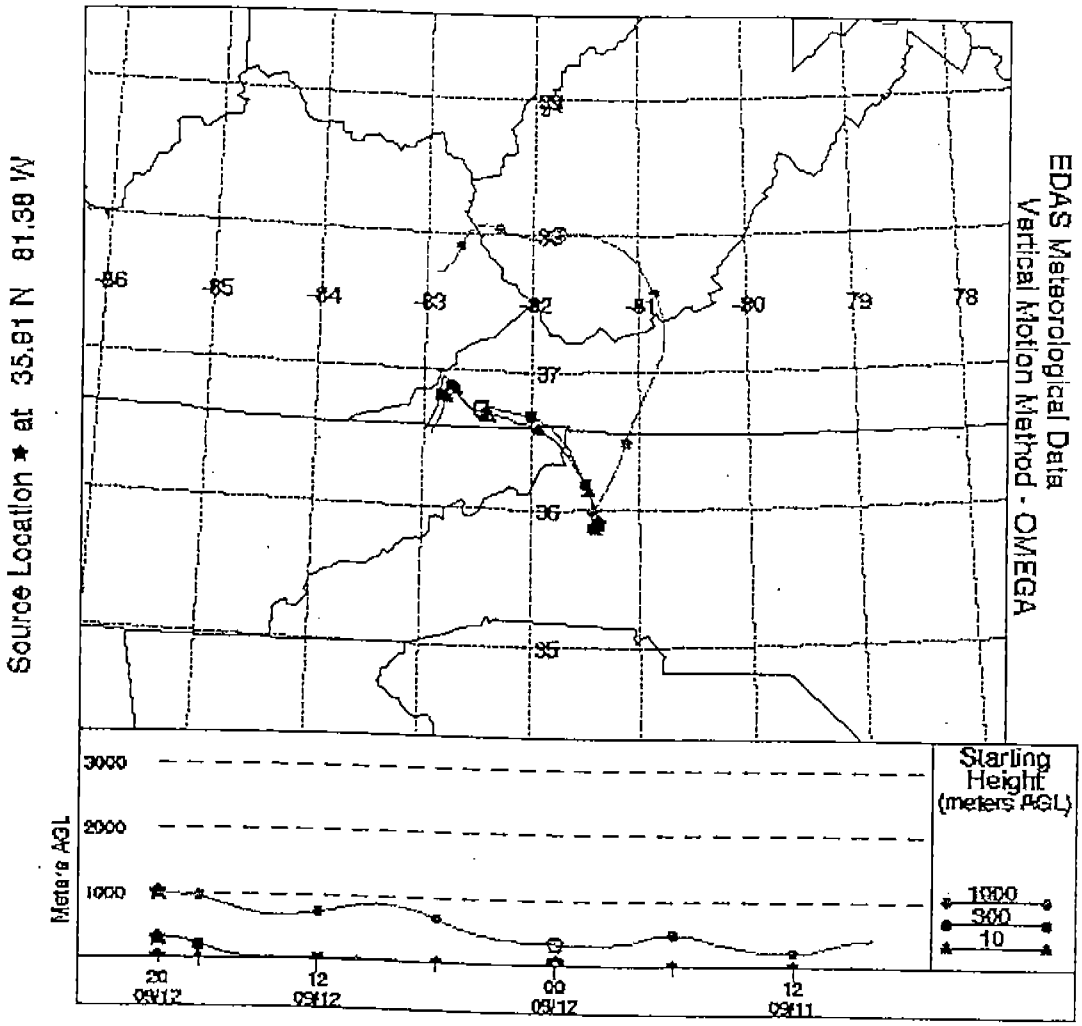
Backward Trajectories Ending- 20 UTC 12 SEP 98