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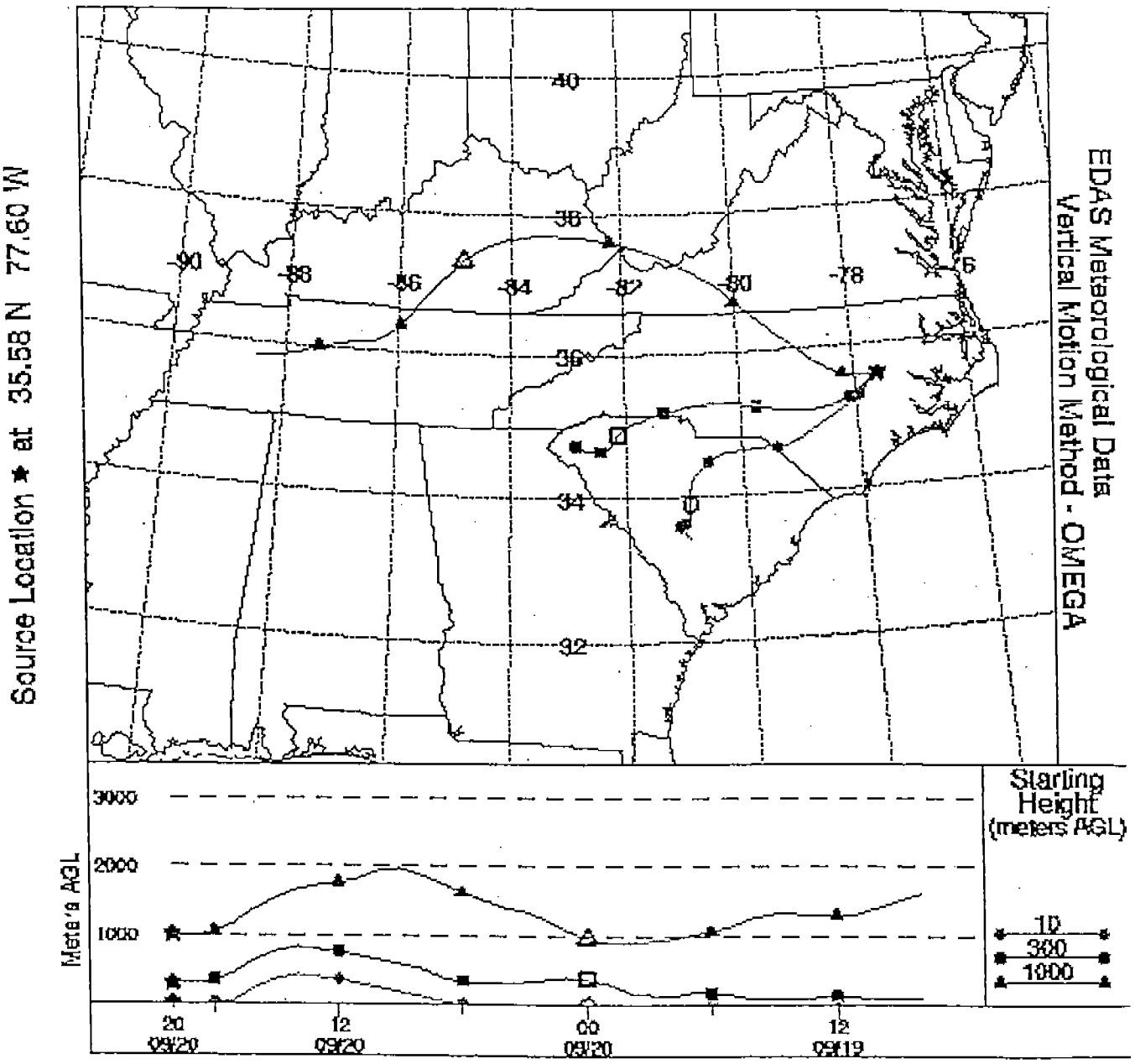
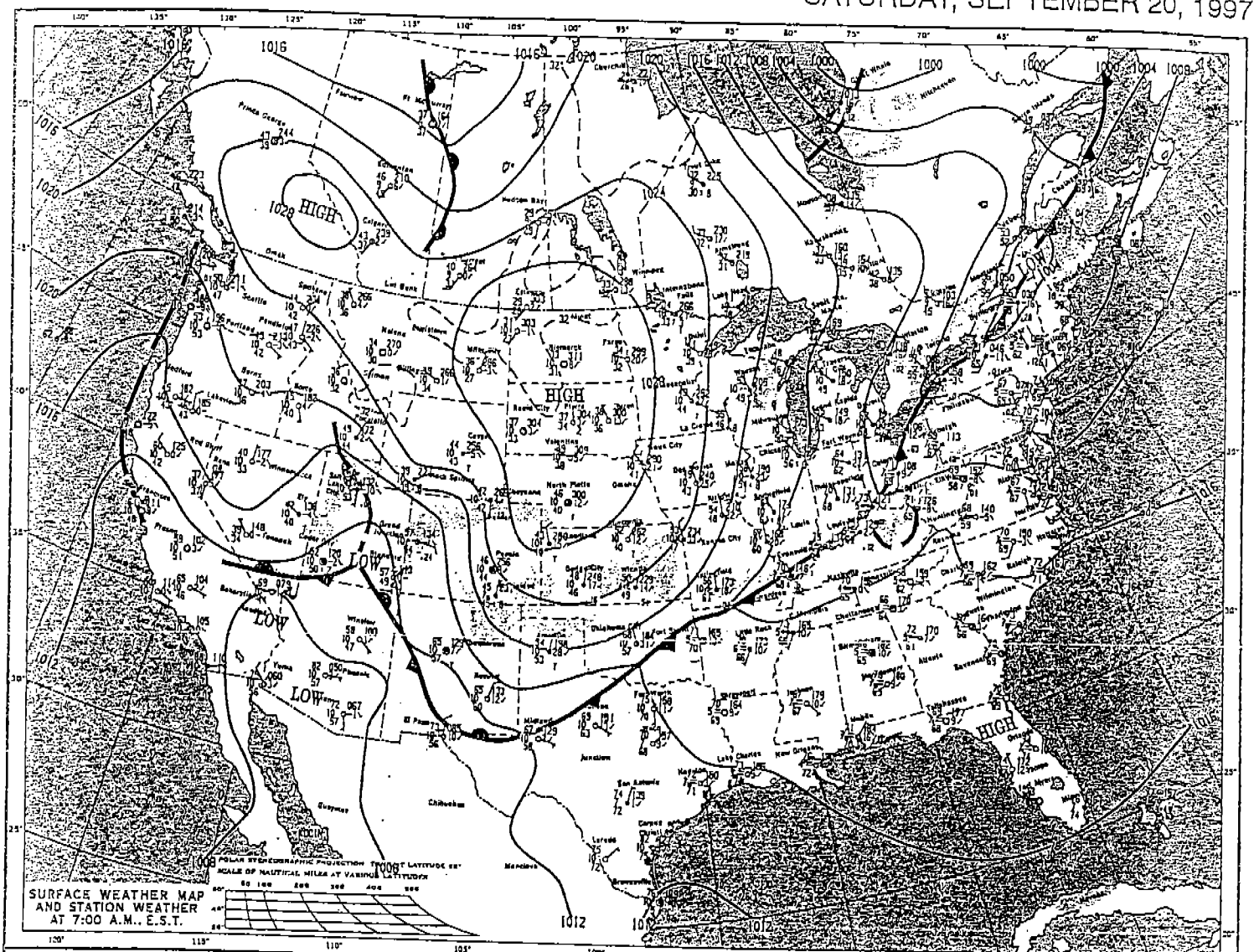
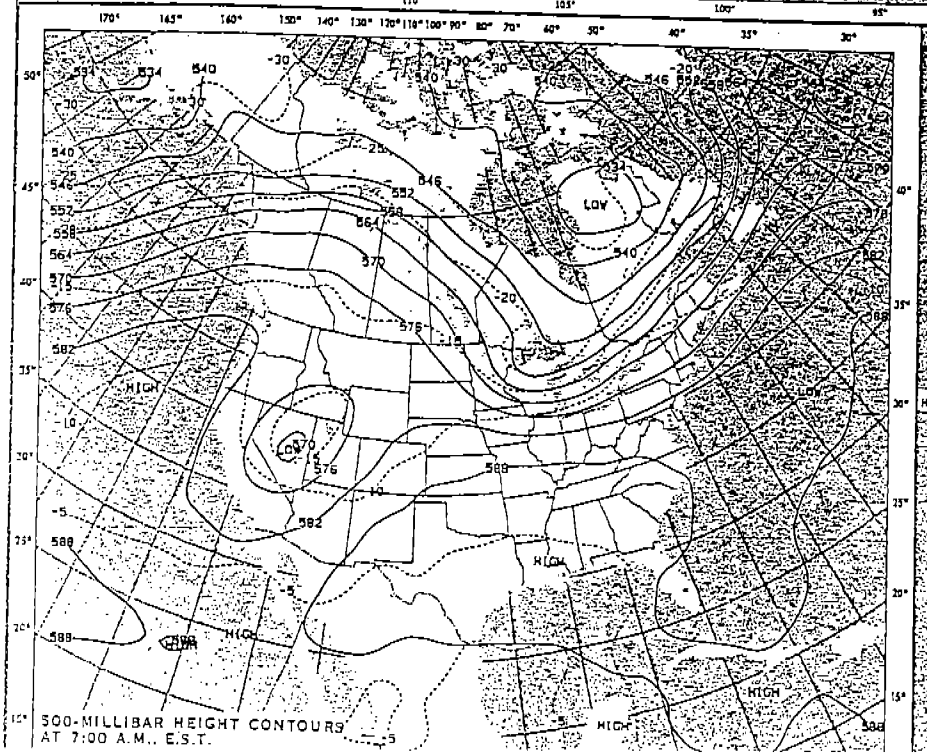
Backward Trajectories Ending- 20 UTC 20 SEP 97



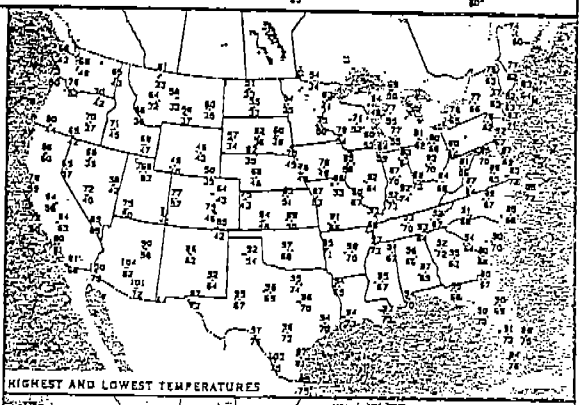
SATURDAY, SEPTEMBER 20, 1997



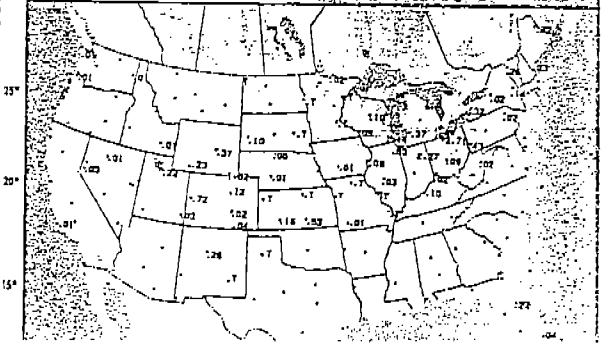
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



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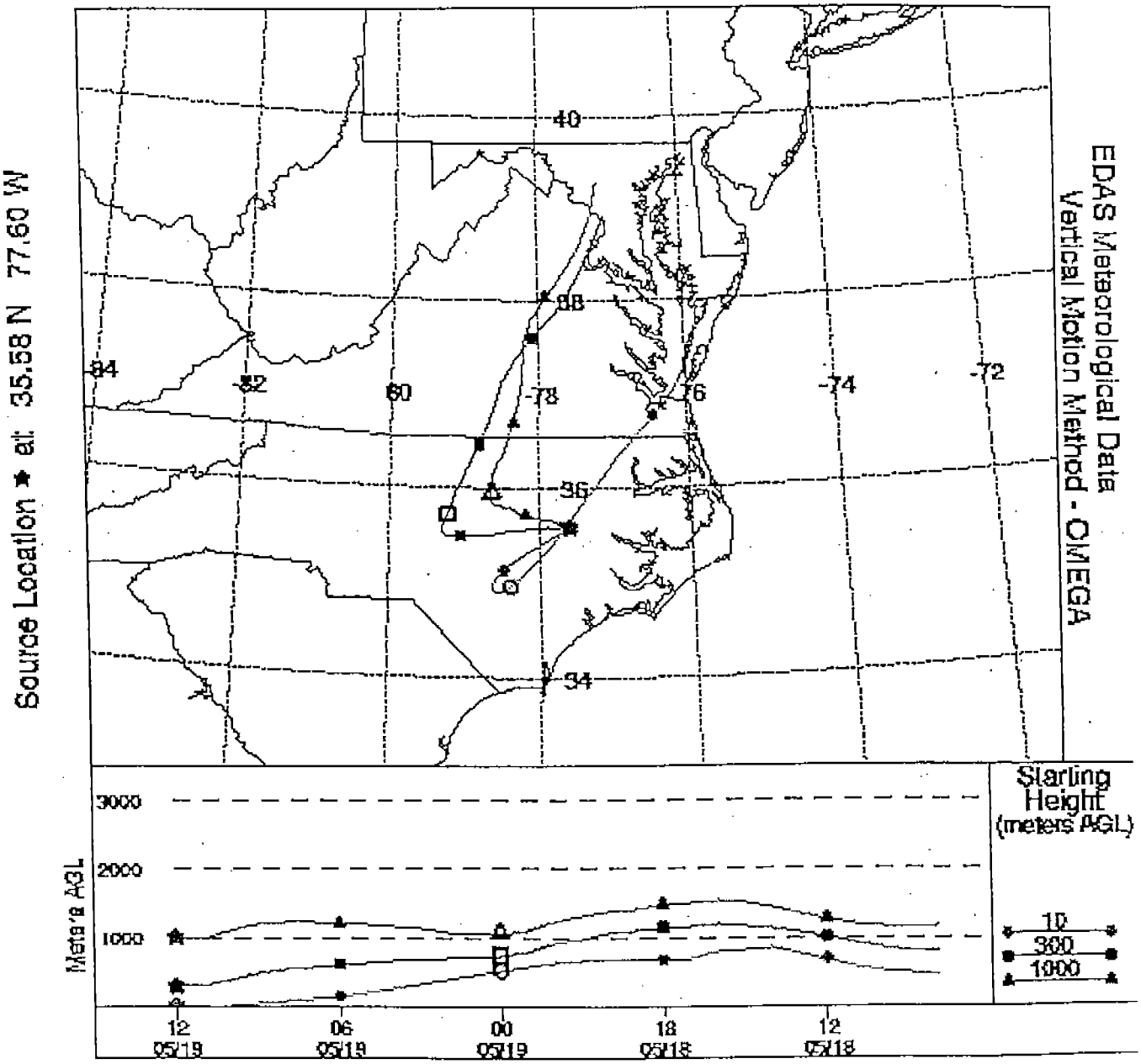
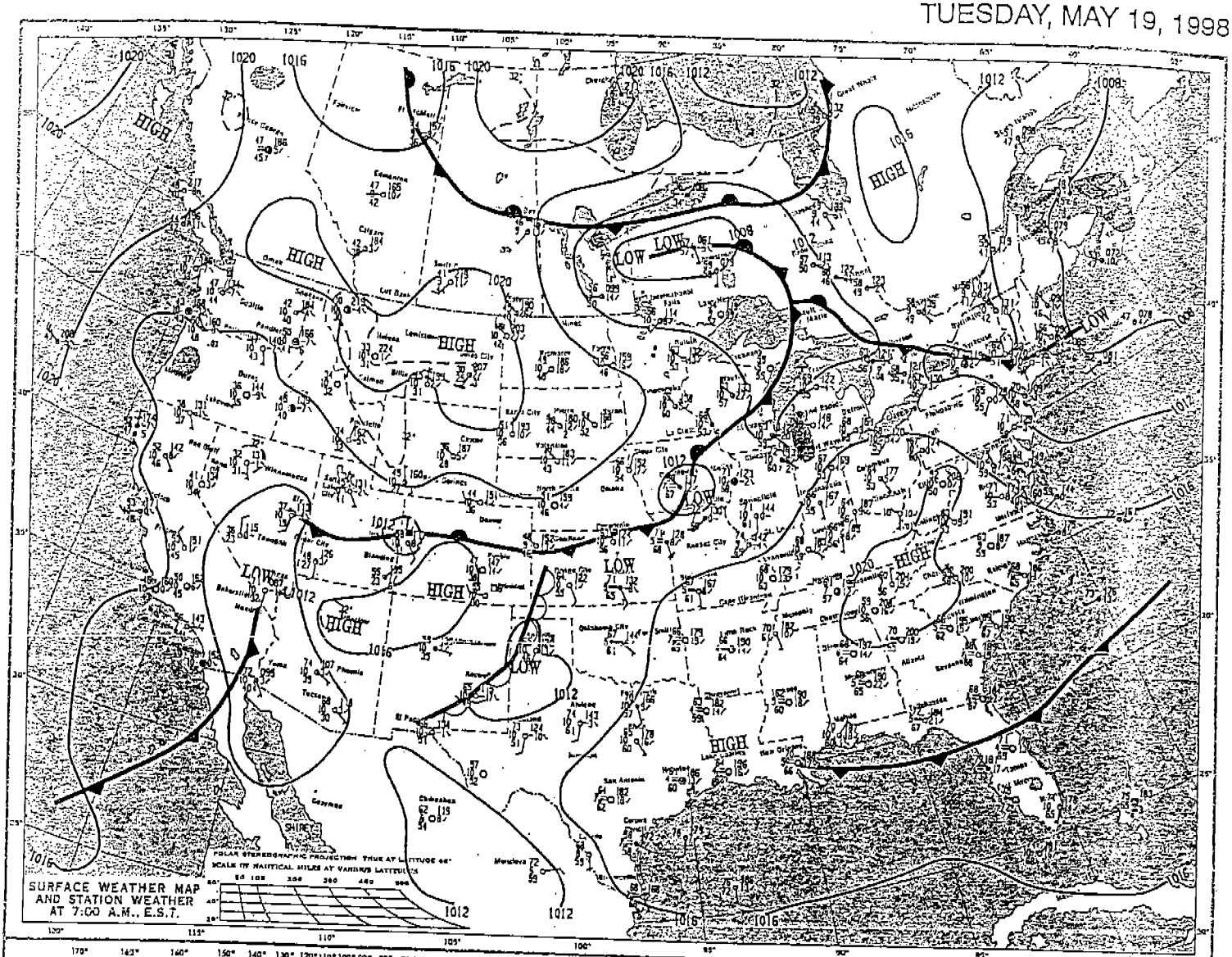
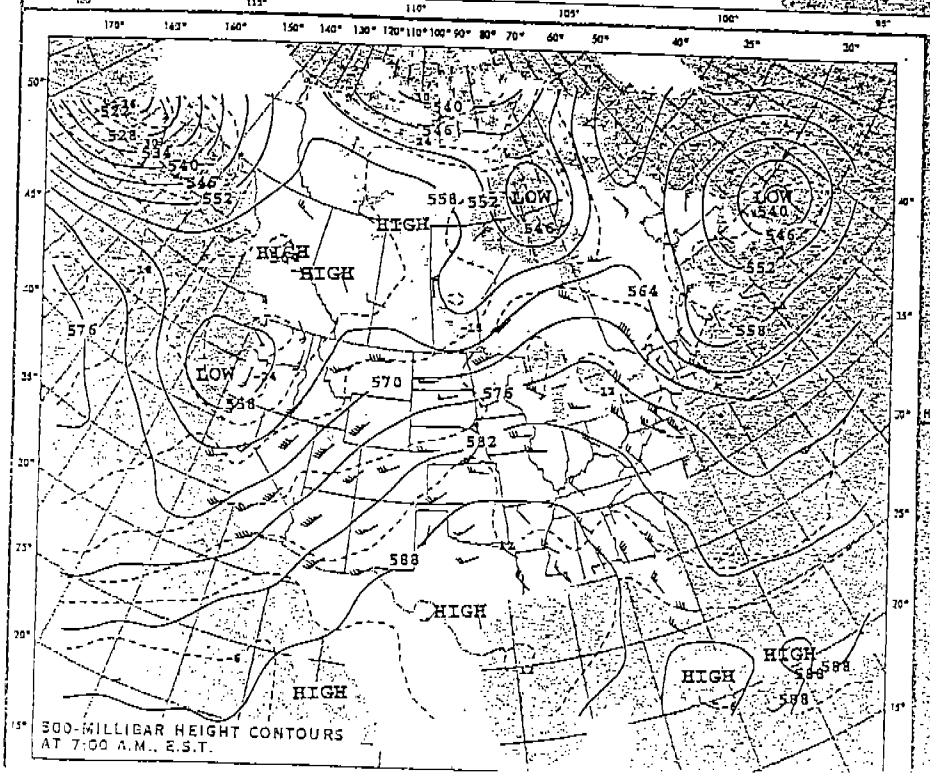
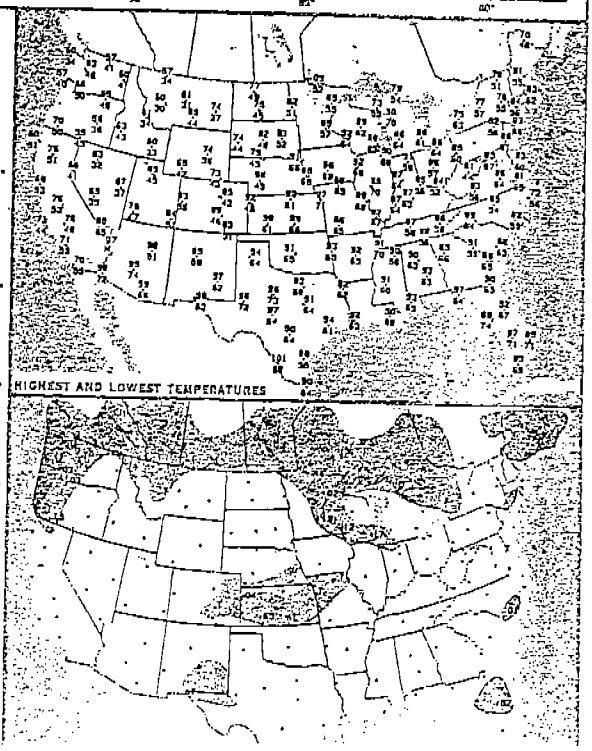
Backward Trajectories Ending- 12 UTC 19 MAY 98



TUESDAY, MAY 19, 1998







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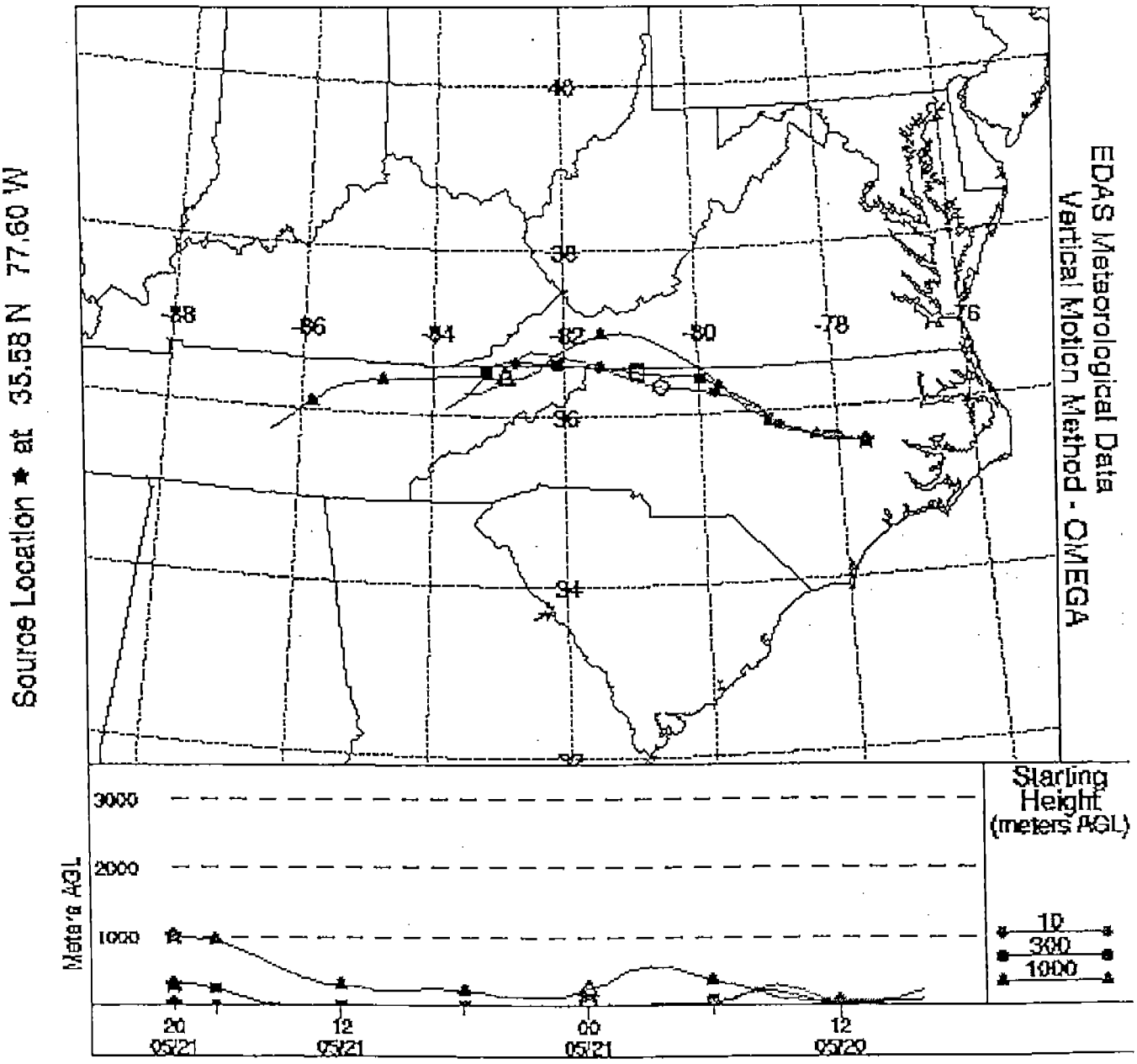
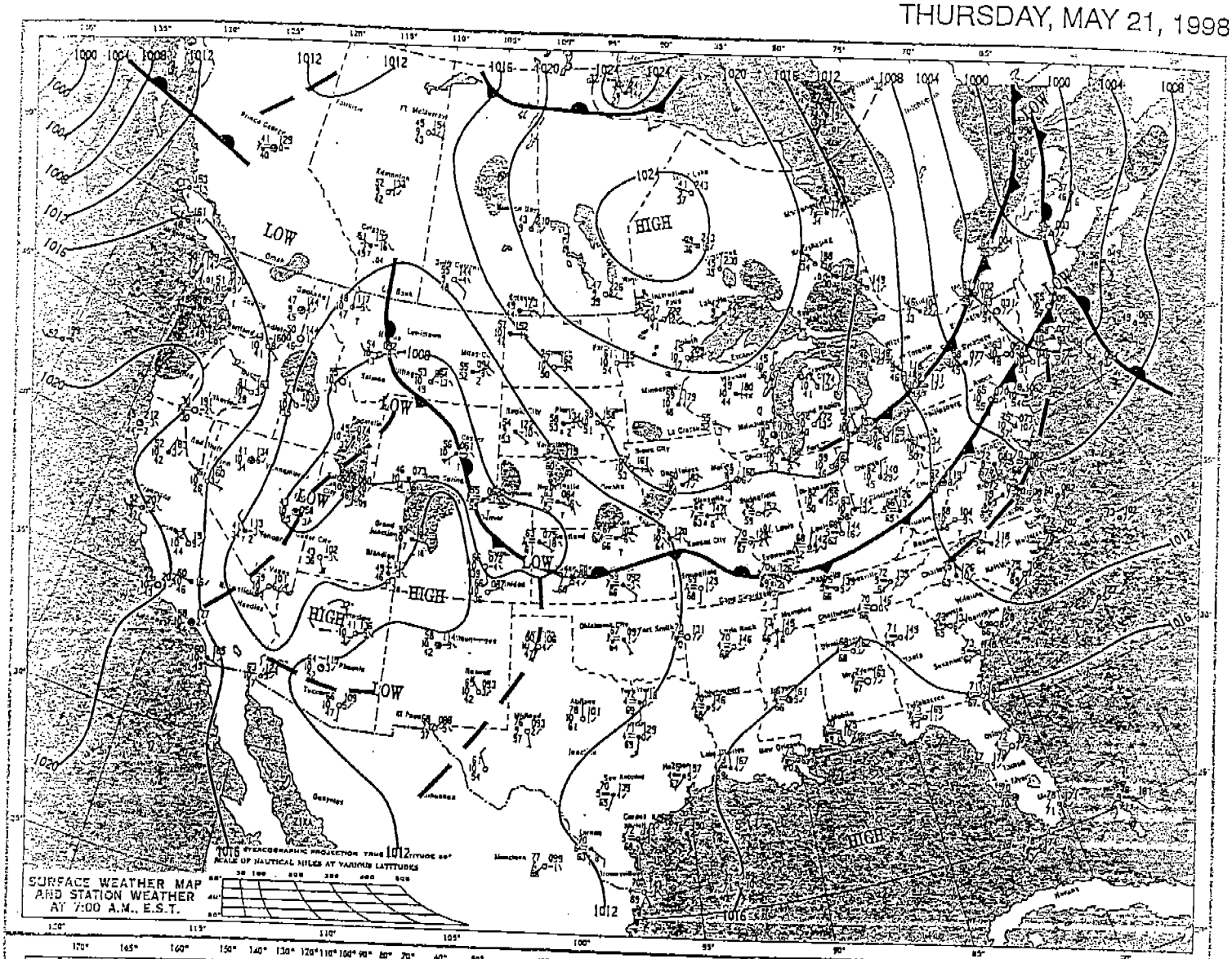
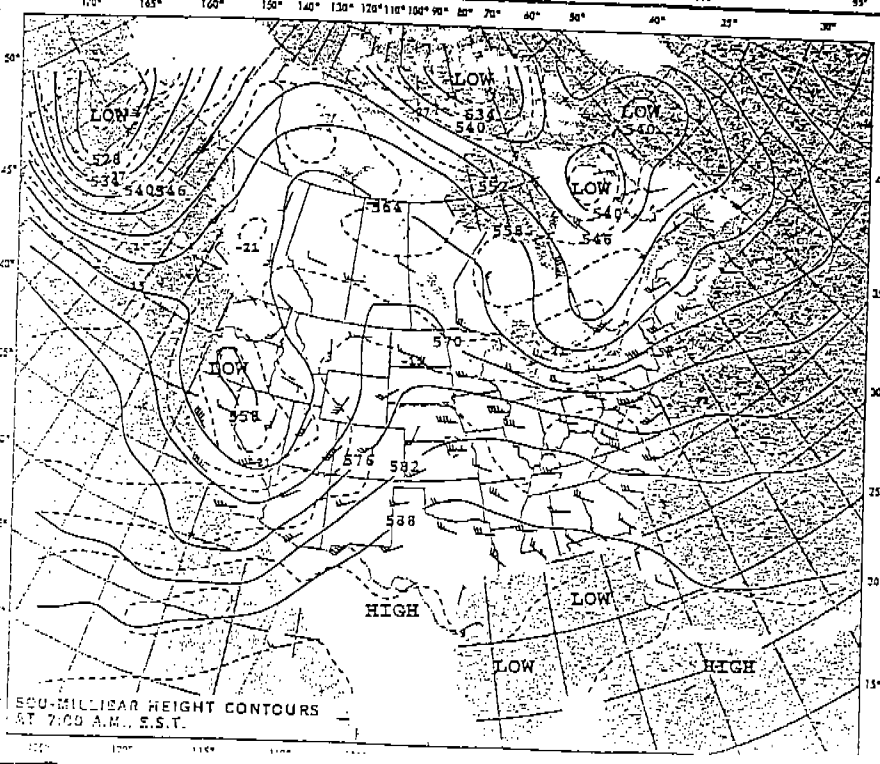
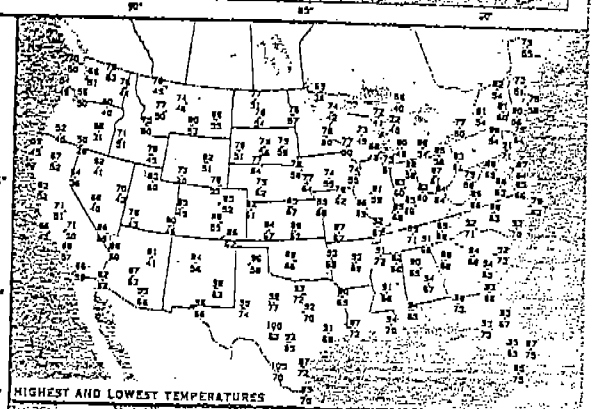
Backward Trajectories Ending- 20 UTC 21 MAY 98

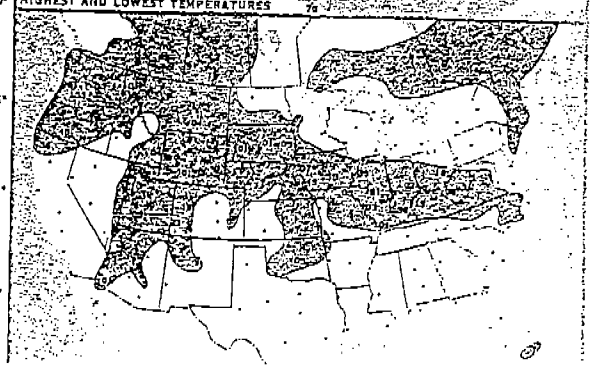


THURSDAY, MAY 21, 1998









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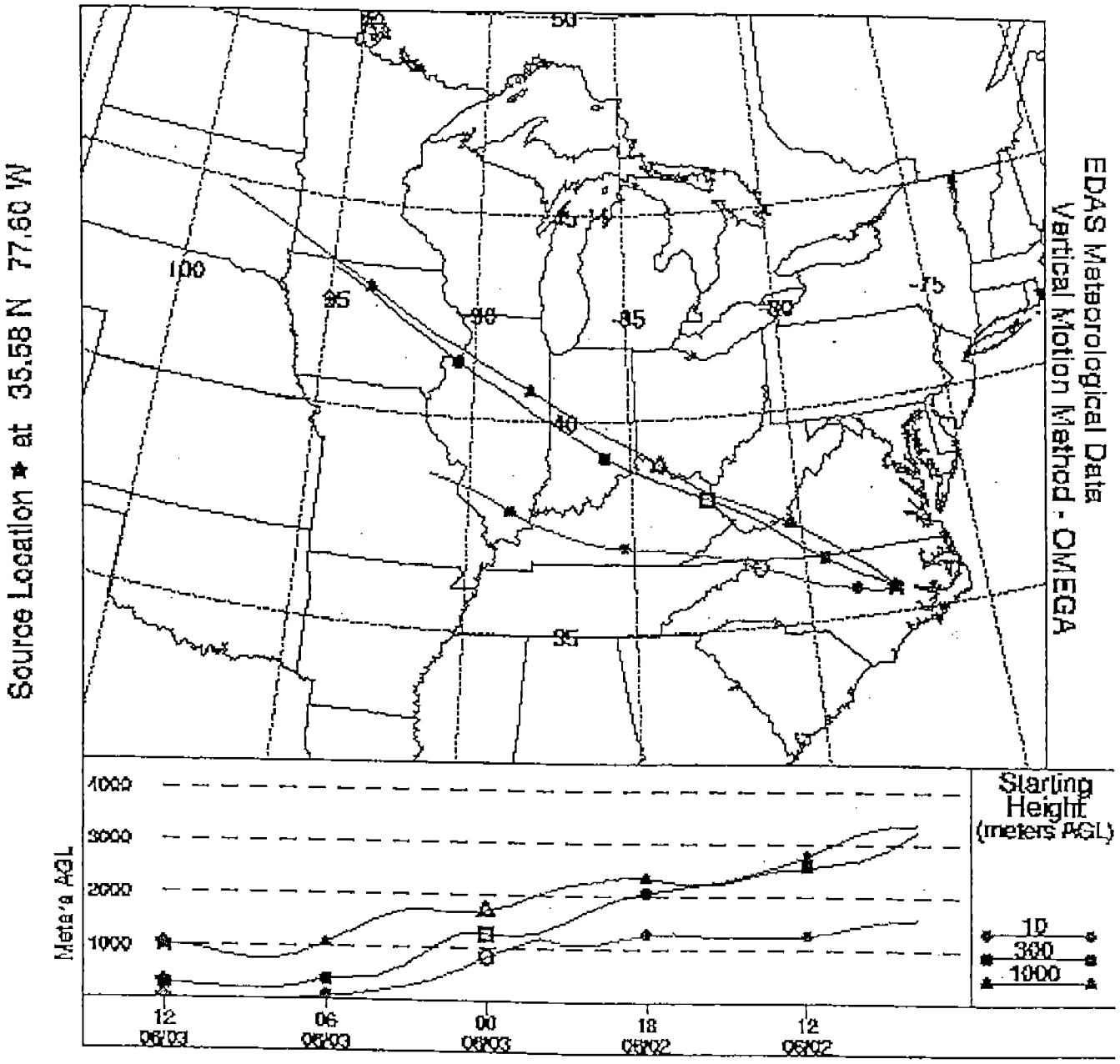
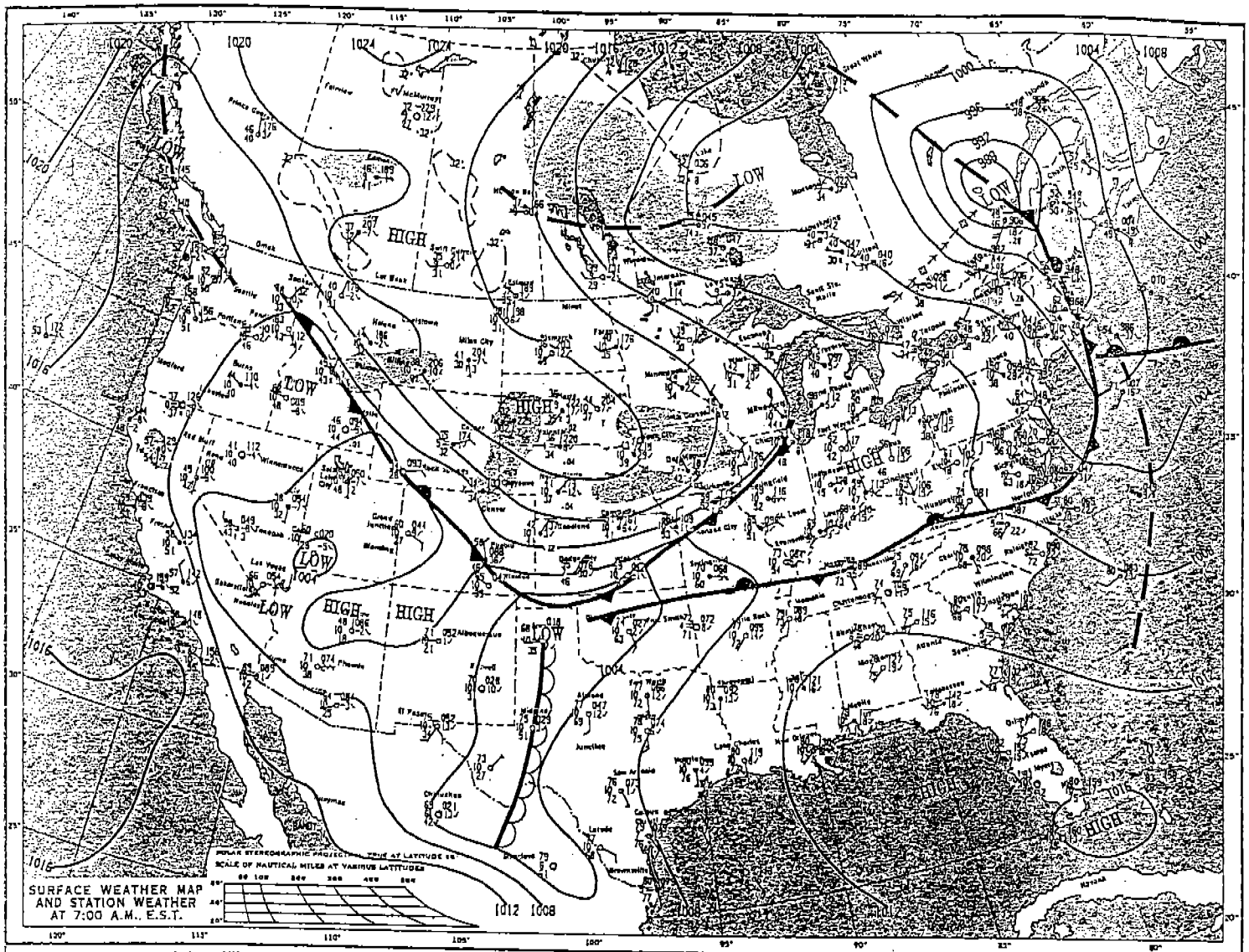
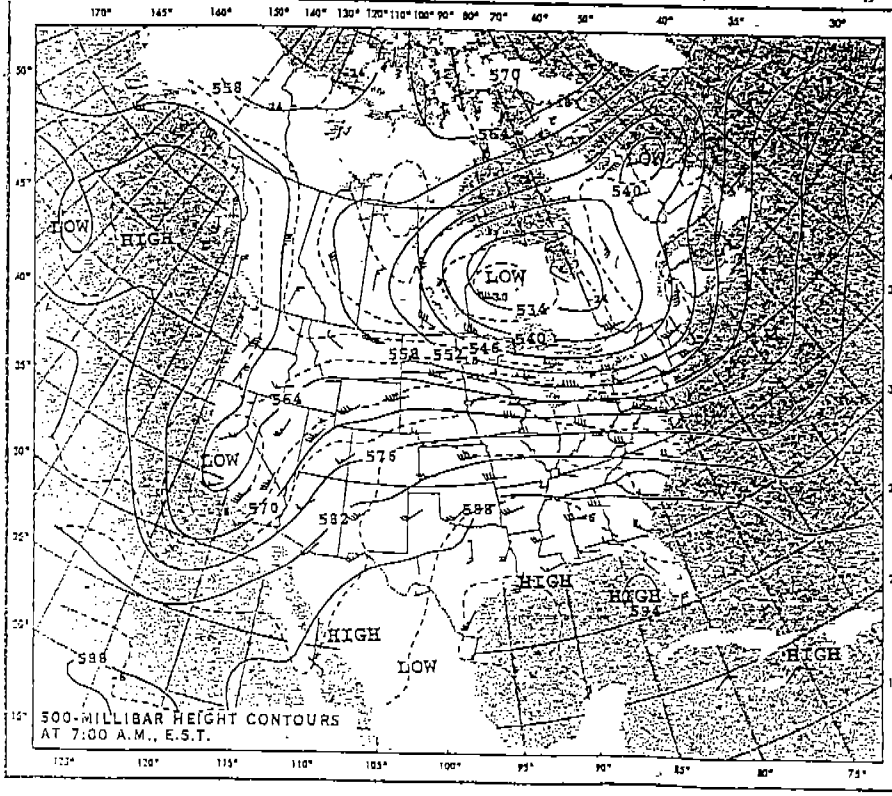
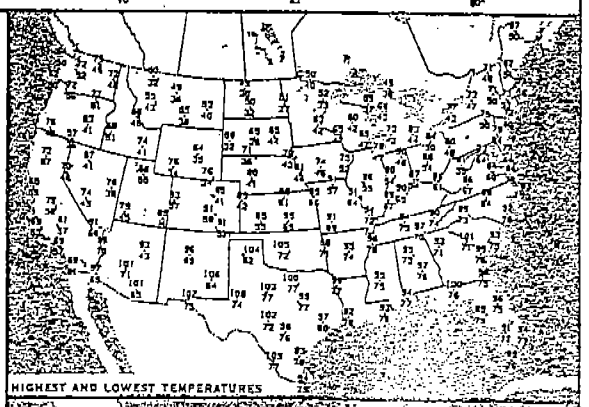
Backward Trajectories Ending- 12 UTC 03 JUN 98

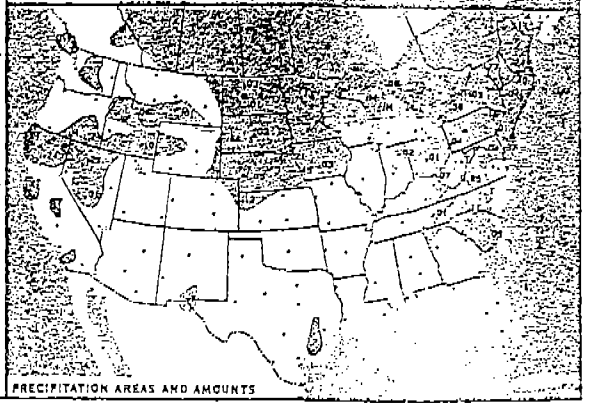


WEDNESDAY, JUNE 3, 1998









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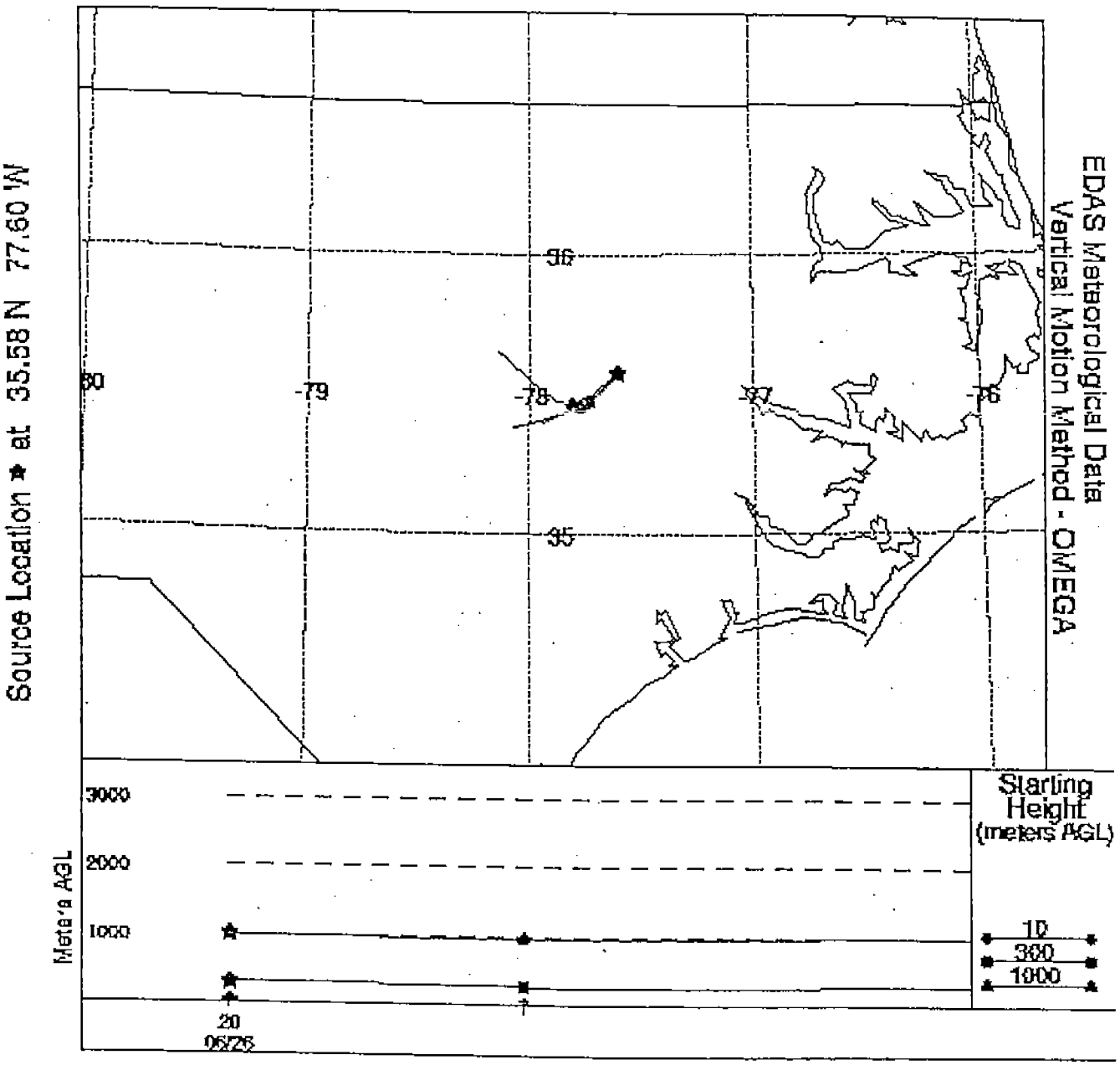
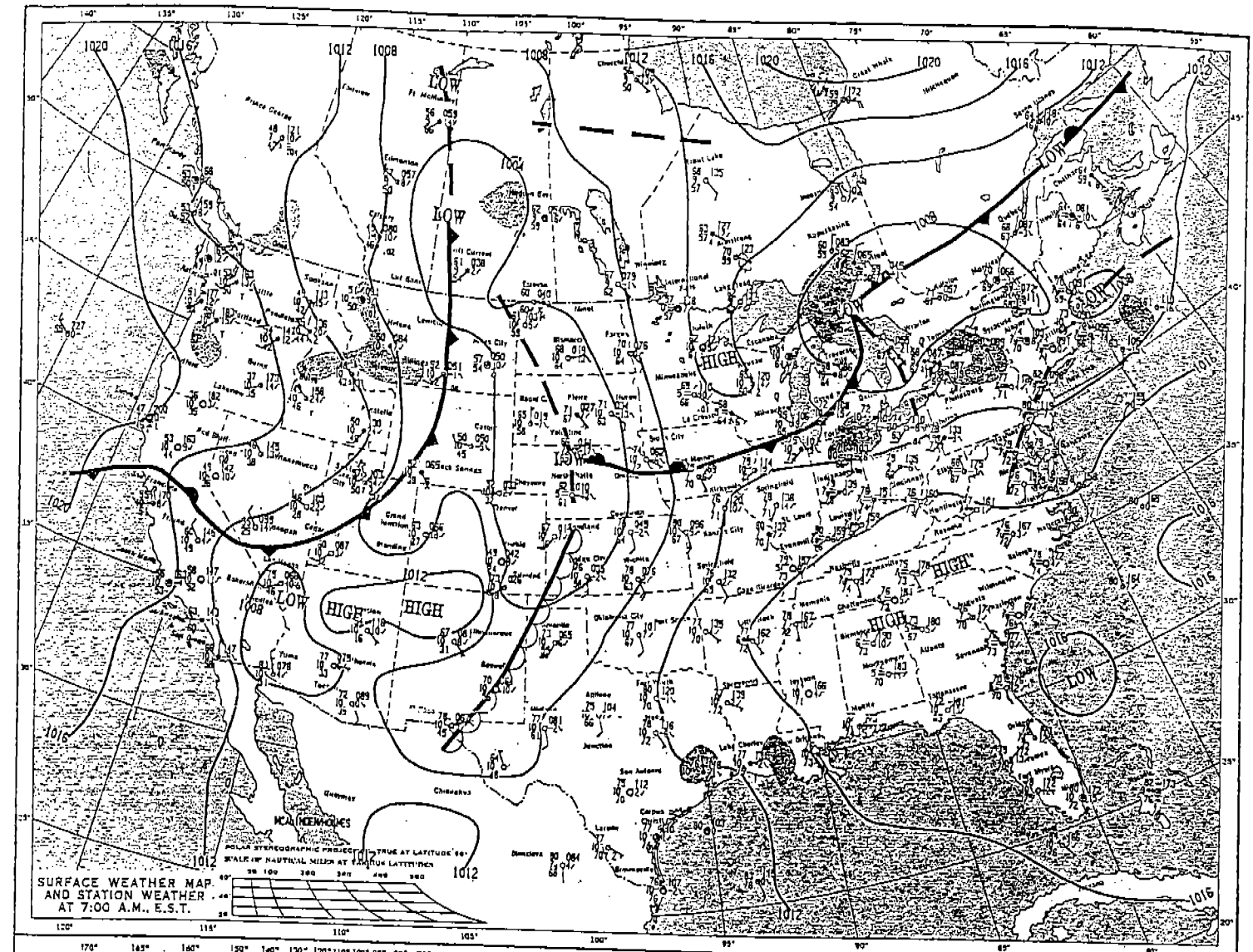
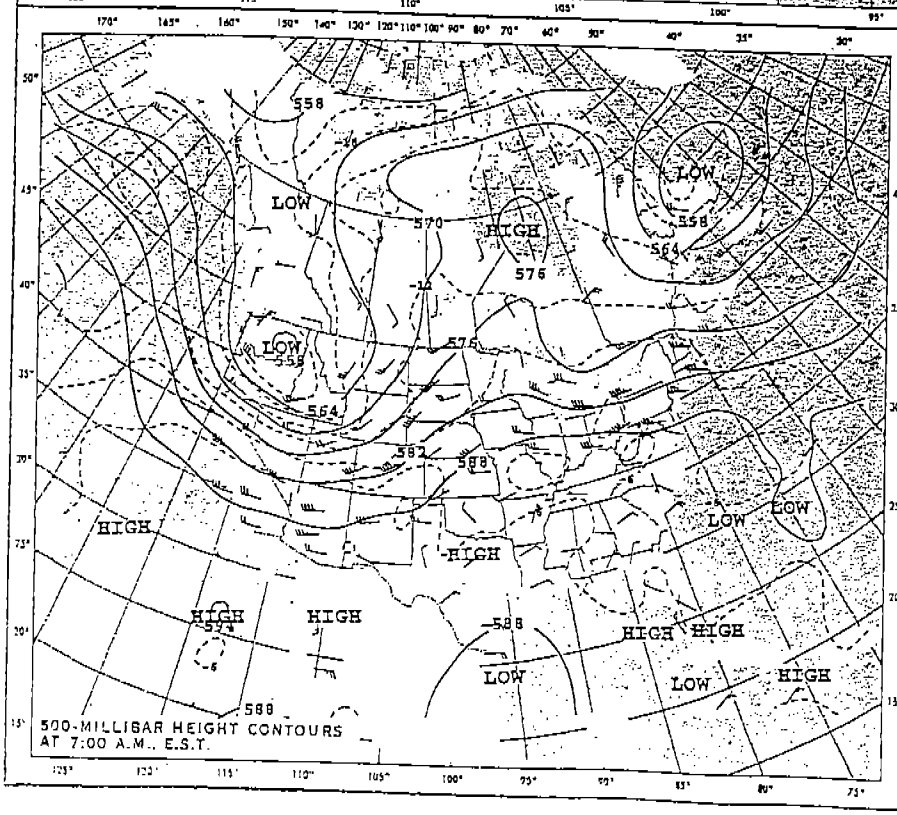
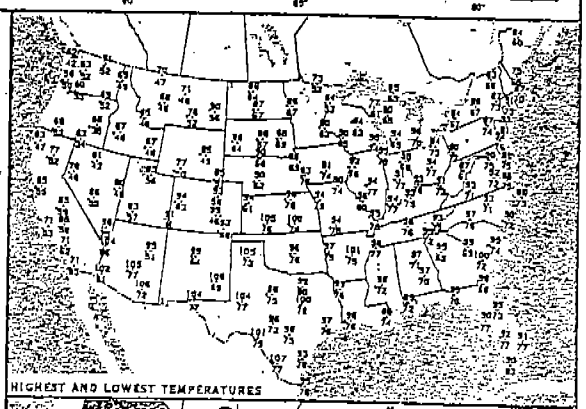
Backward Trajectories Ending- 20 UTC 26 JUN 98

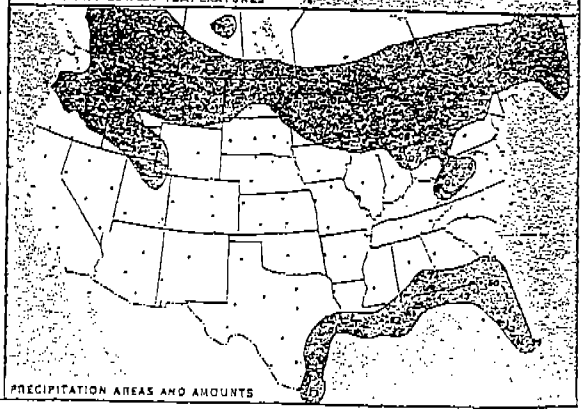


FRIDAY, JUNE 26, 1998









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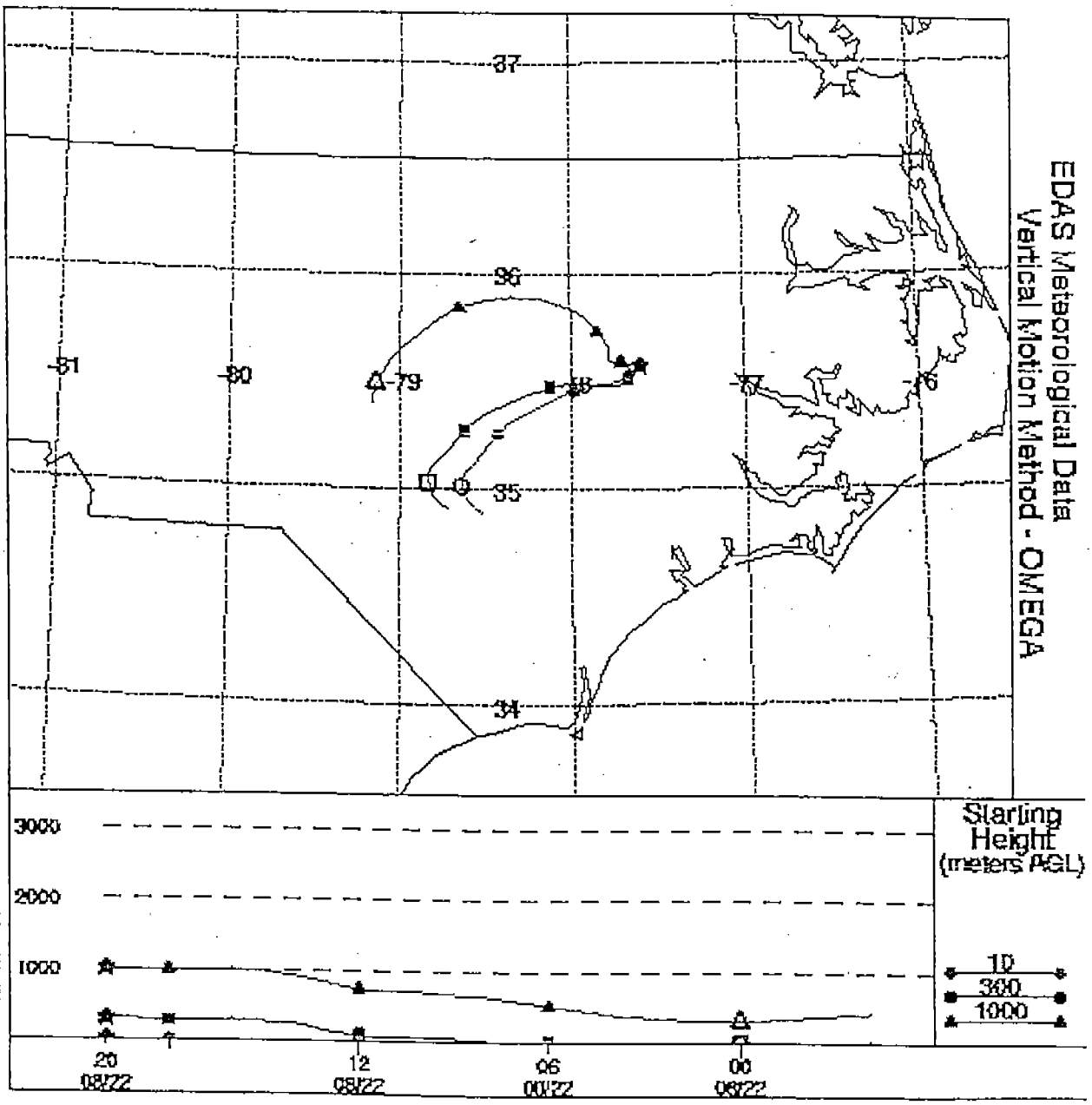
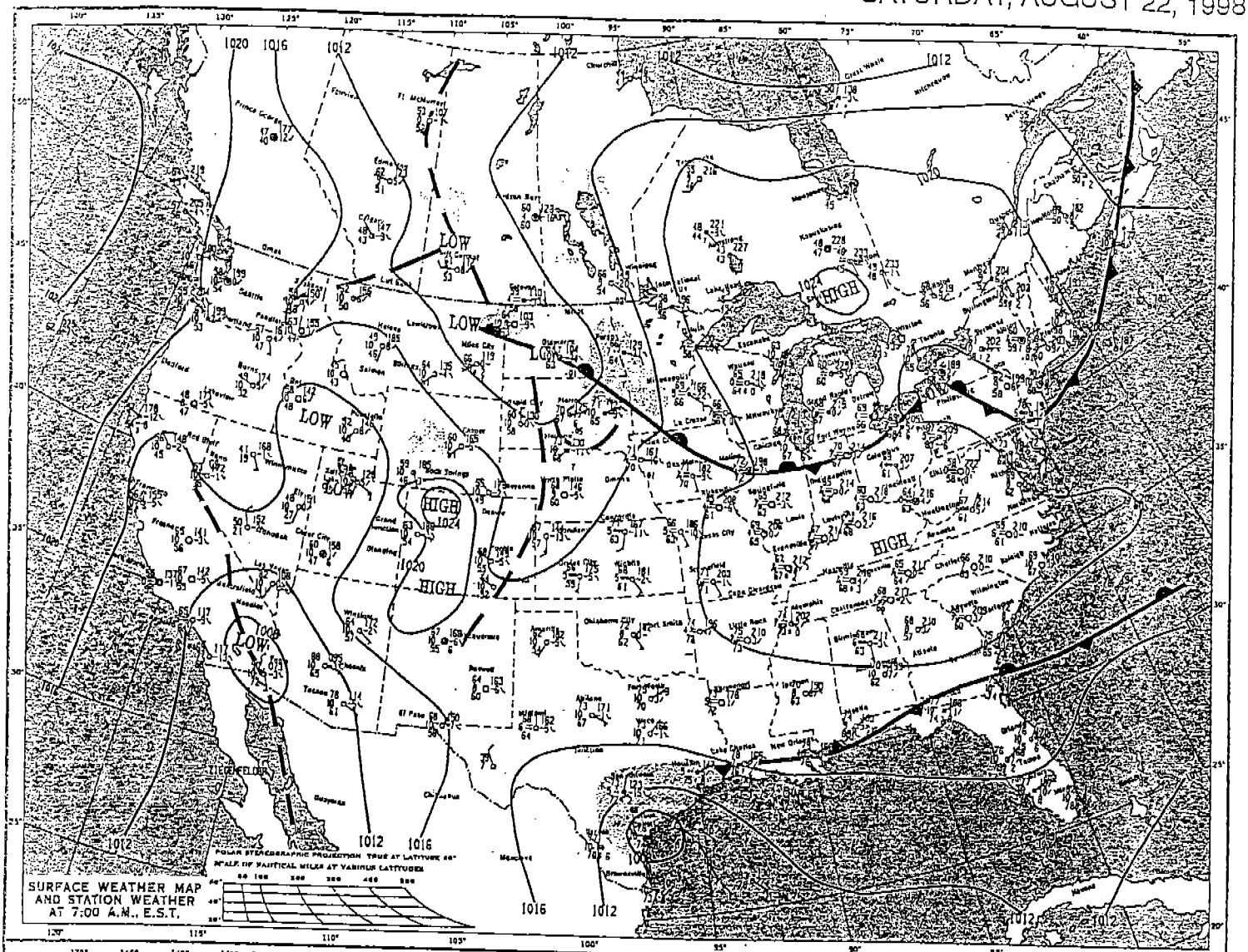
Backward Trajectories Ending- 20 UTC 22 AUG 98

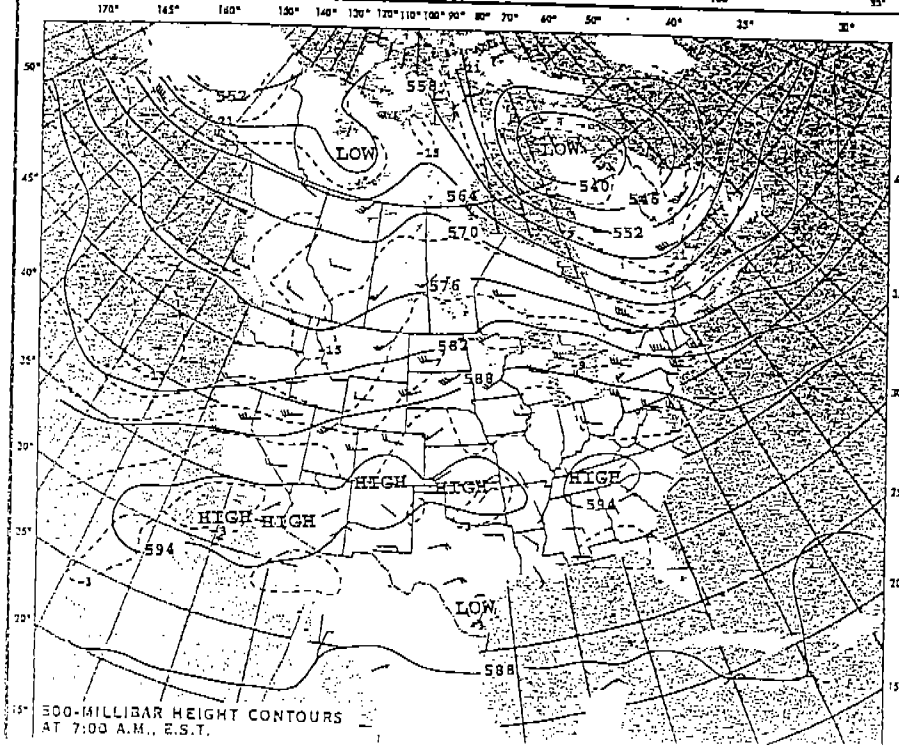
Source Location ★ at 35.58 N 77.60 W



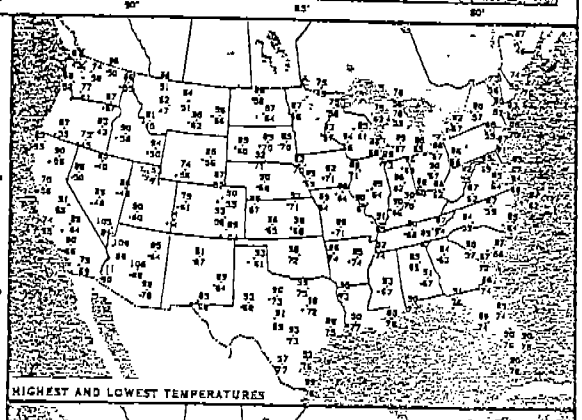
SATURDAY, AUGUST 22, 1998



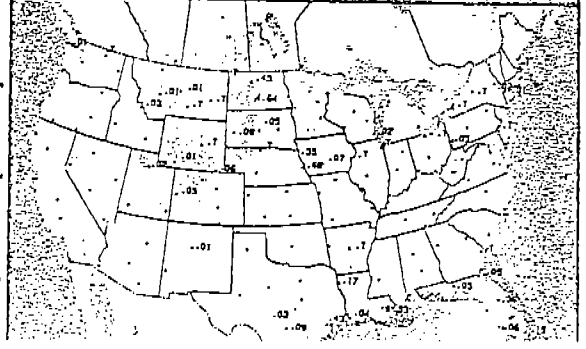
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



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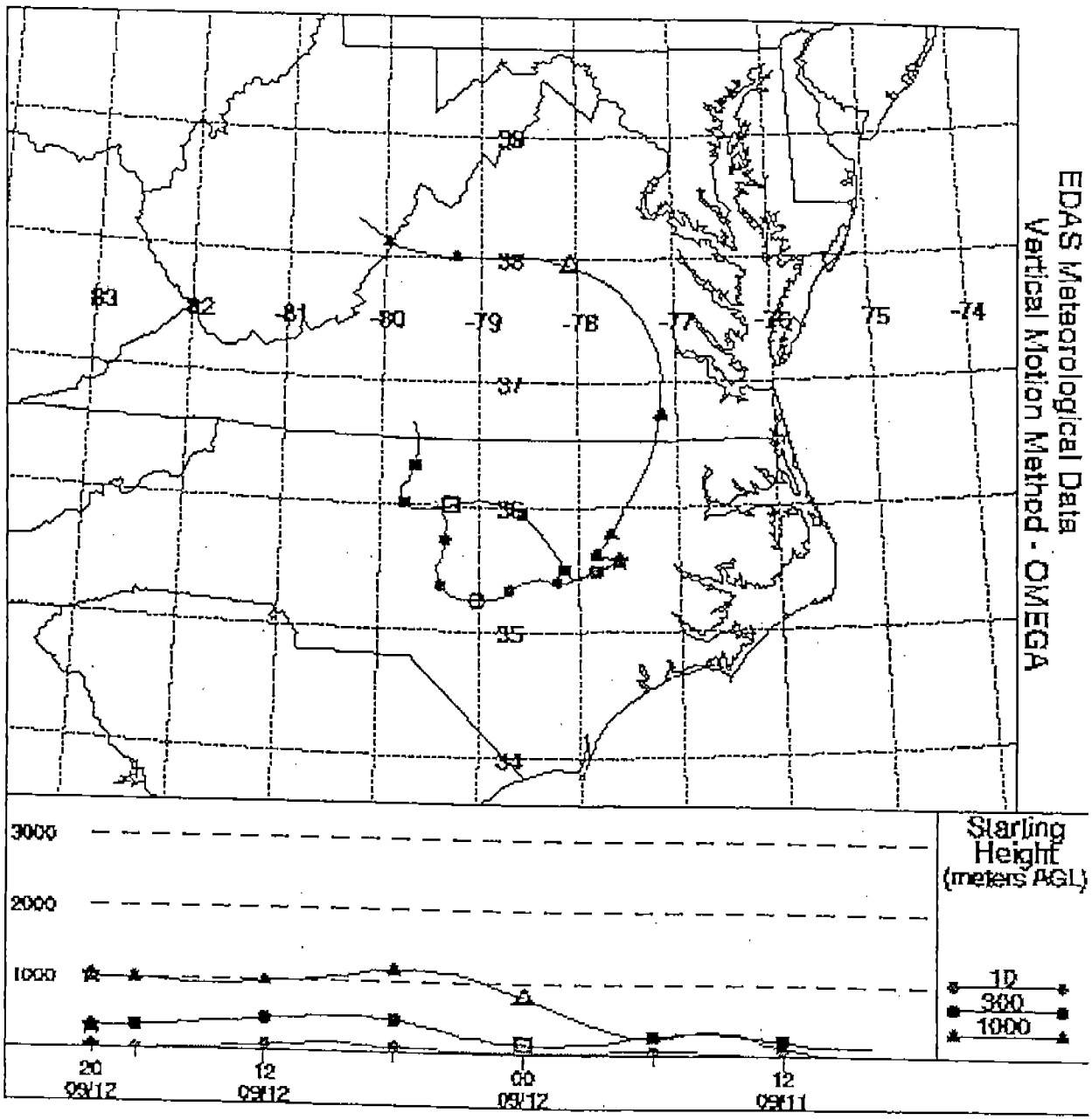
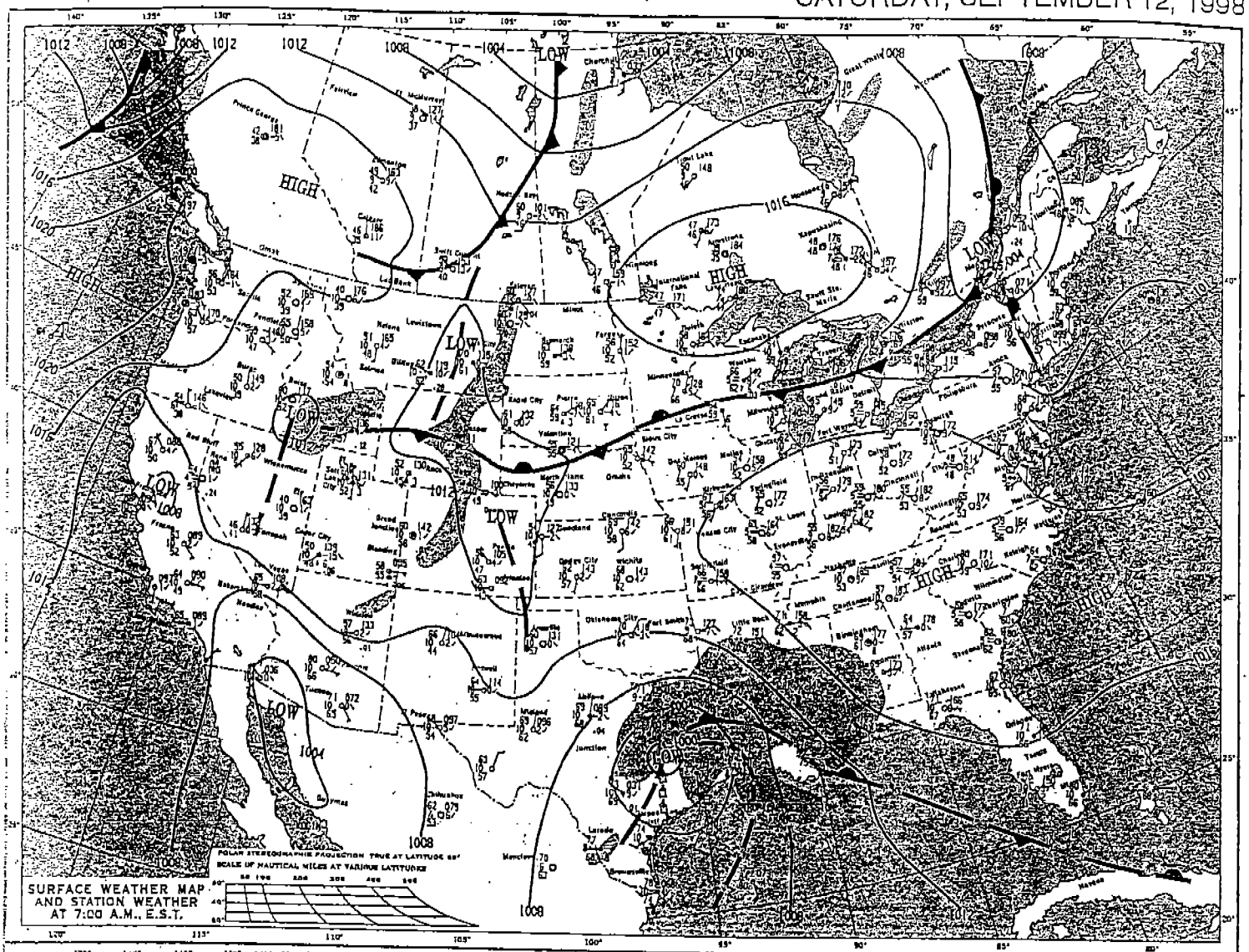
Backward Trajectories Ending- 20 UTC 12 SEP 98

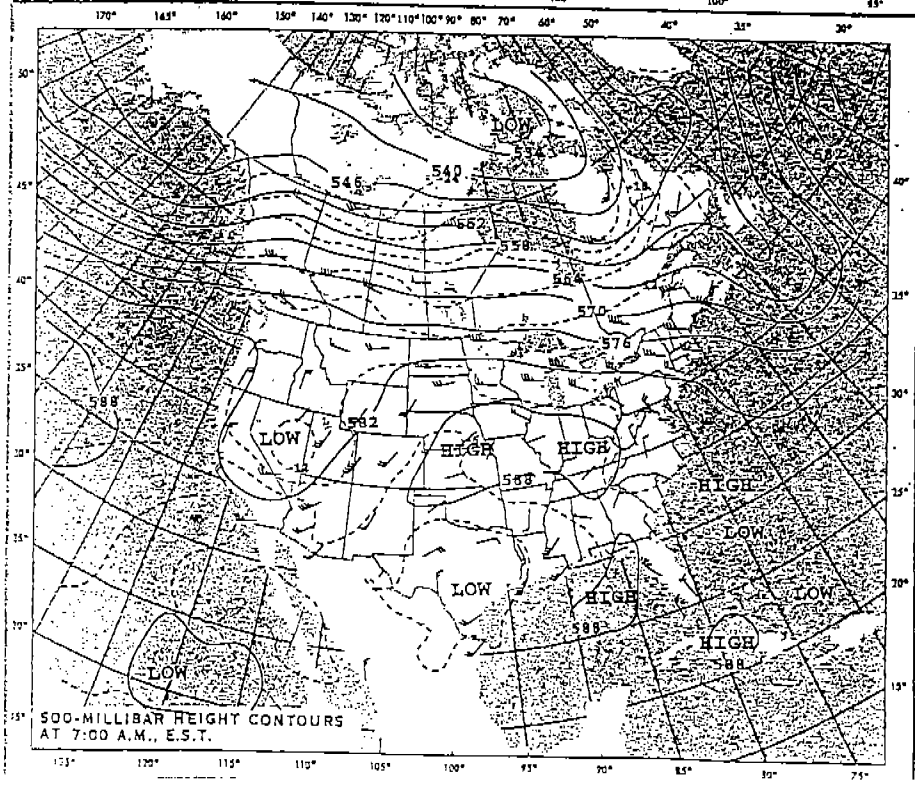
Source Location ★ at 35.58 N 77.60 W

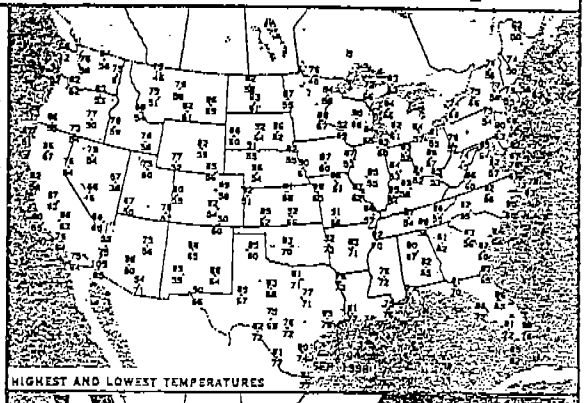
EDAS Meteorological Data
Vertical Motion Method - OMEGA

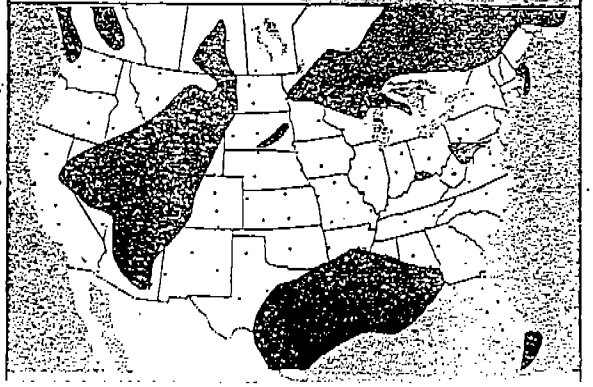


SATURDAY, SEPTEMBER 12, 1998









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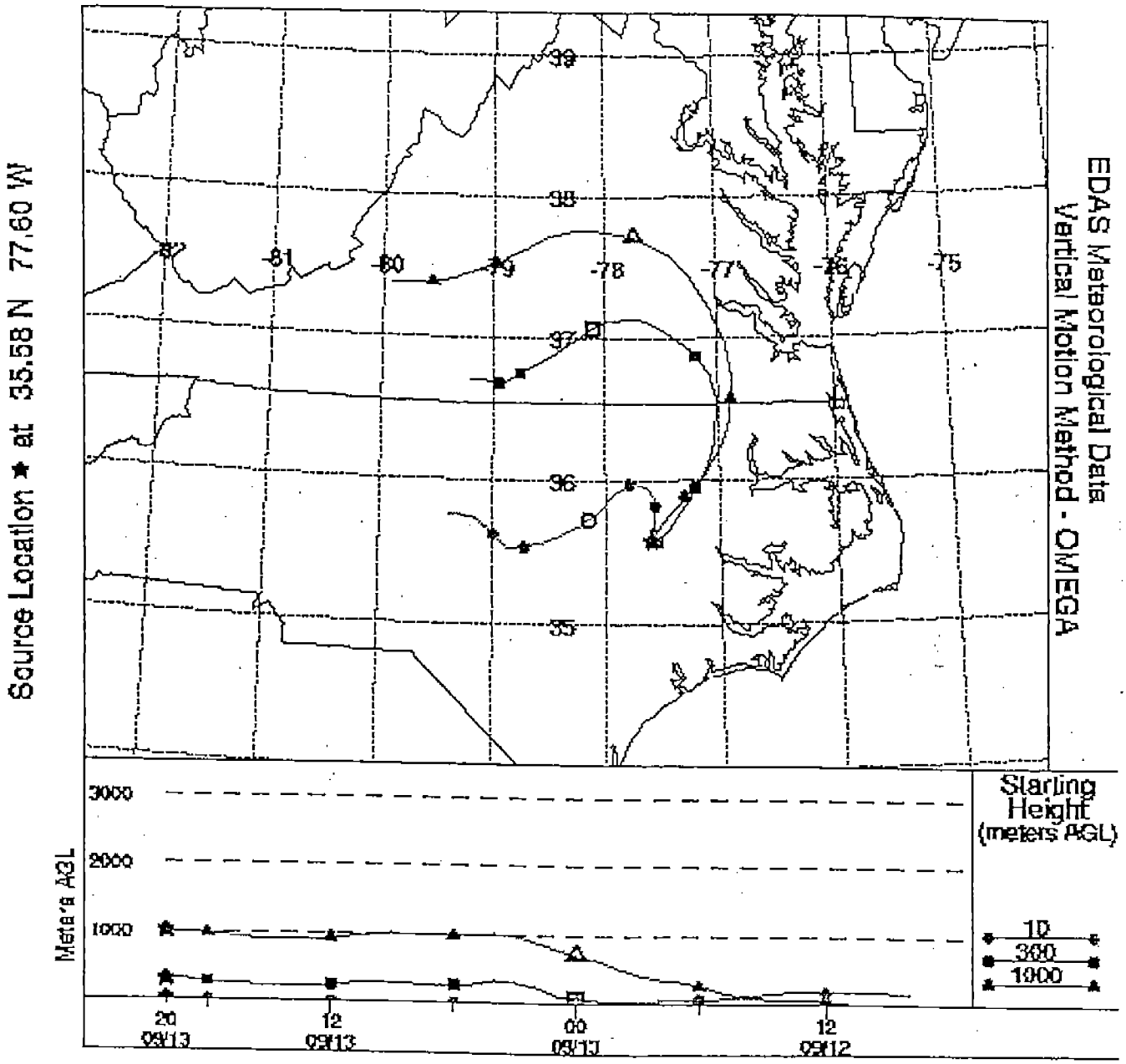
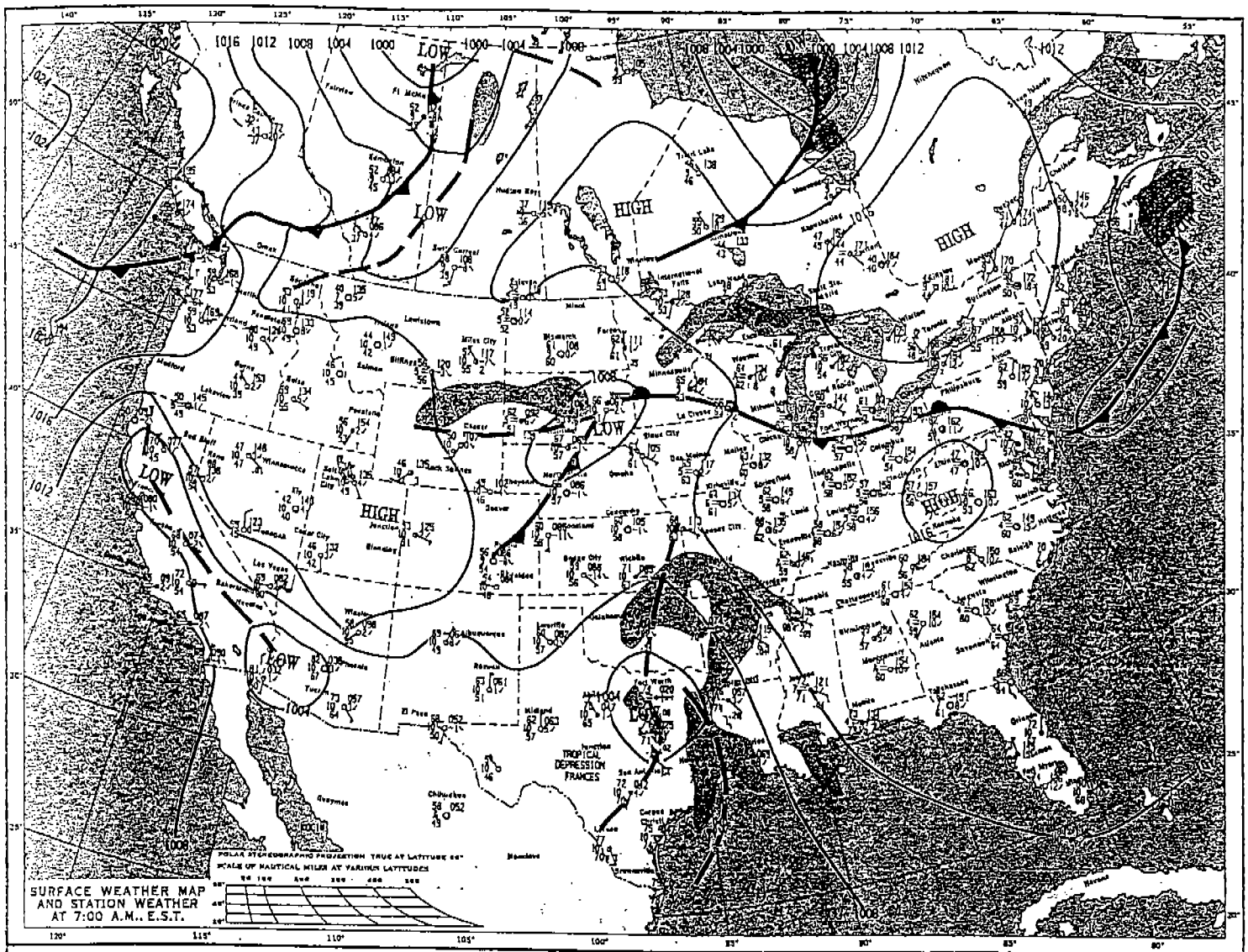
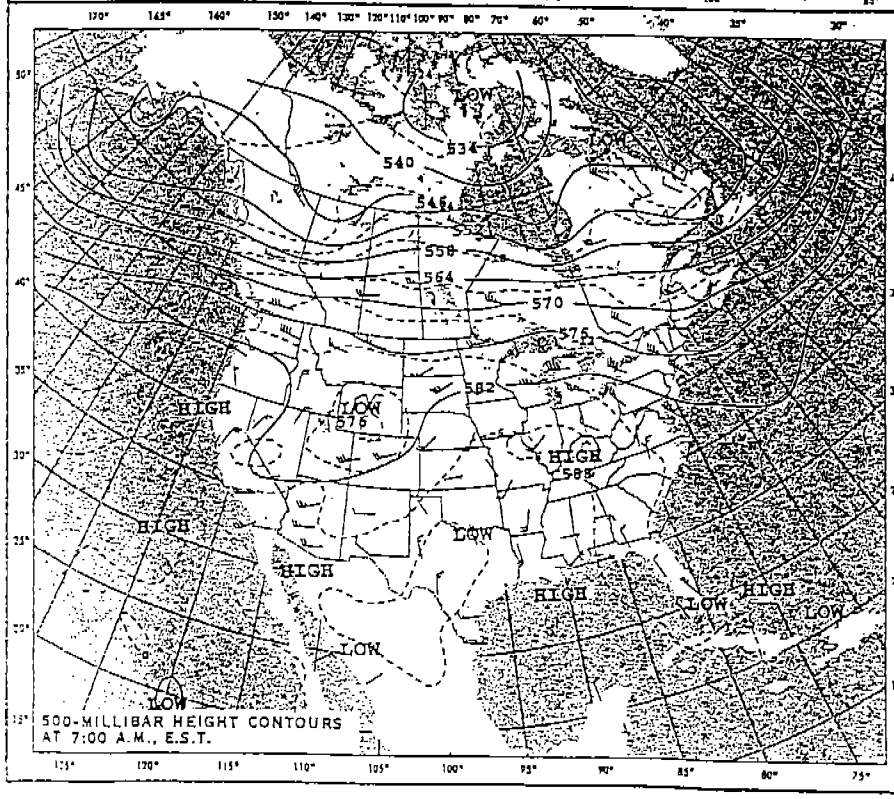
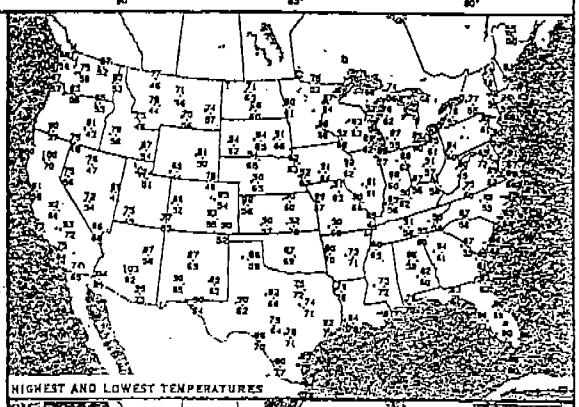
Backward Trajectories Ending- 20 UTC 13 SEP 98

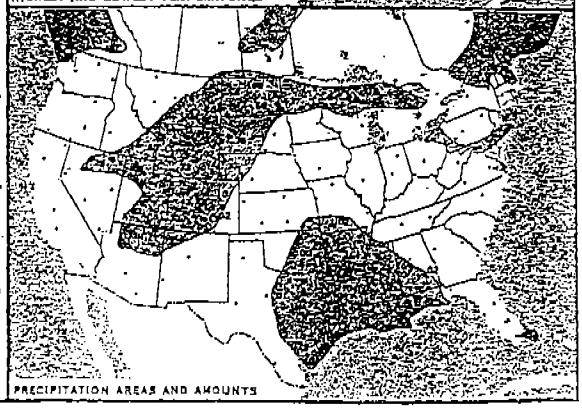


SUNDAY, SEPTEMBER 13, 1998









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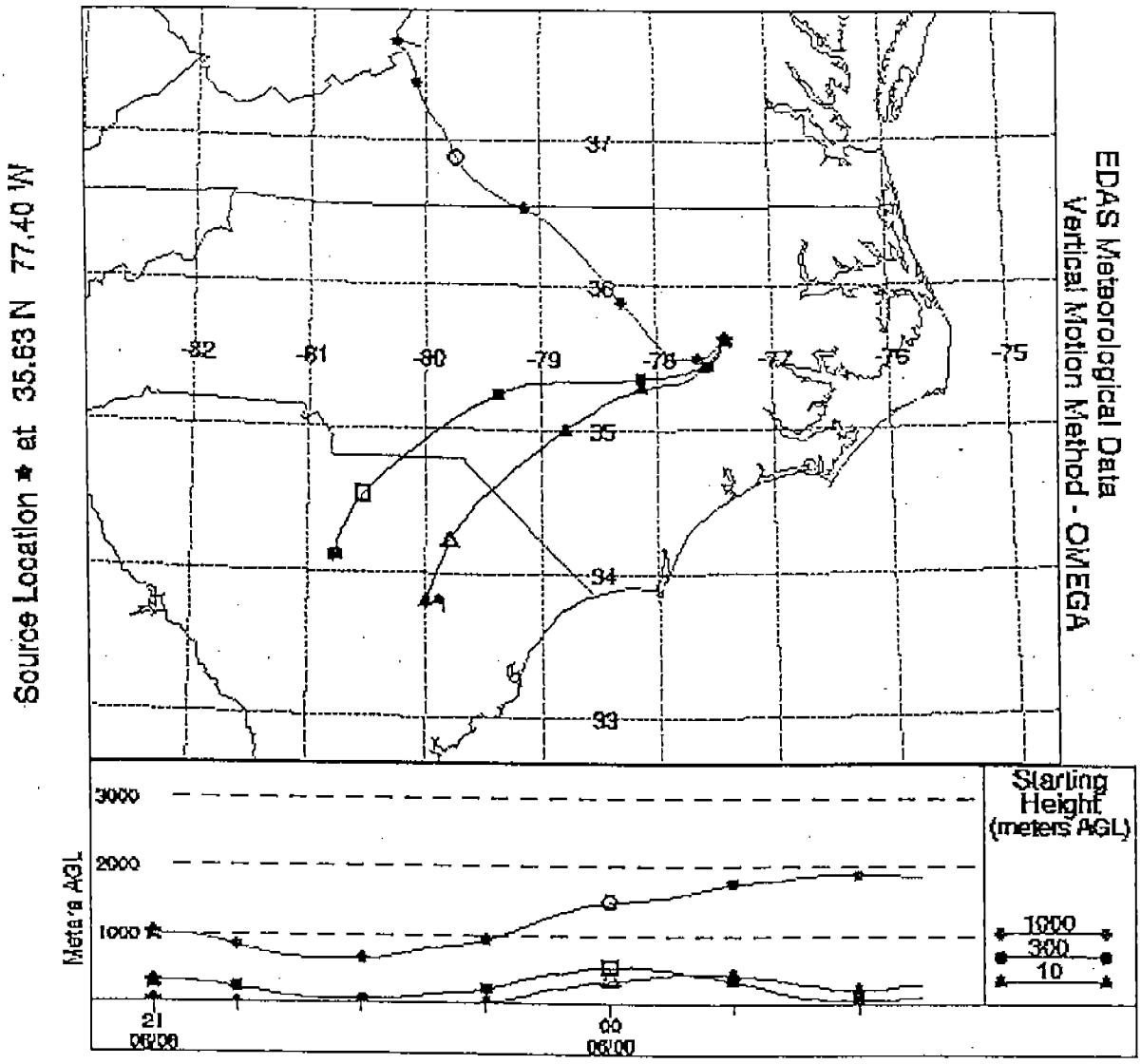
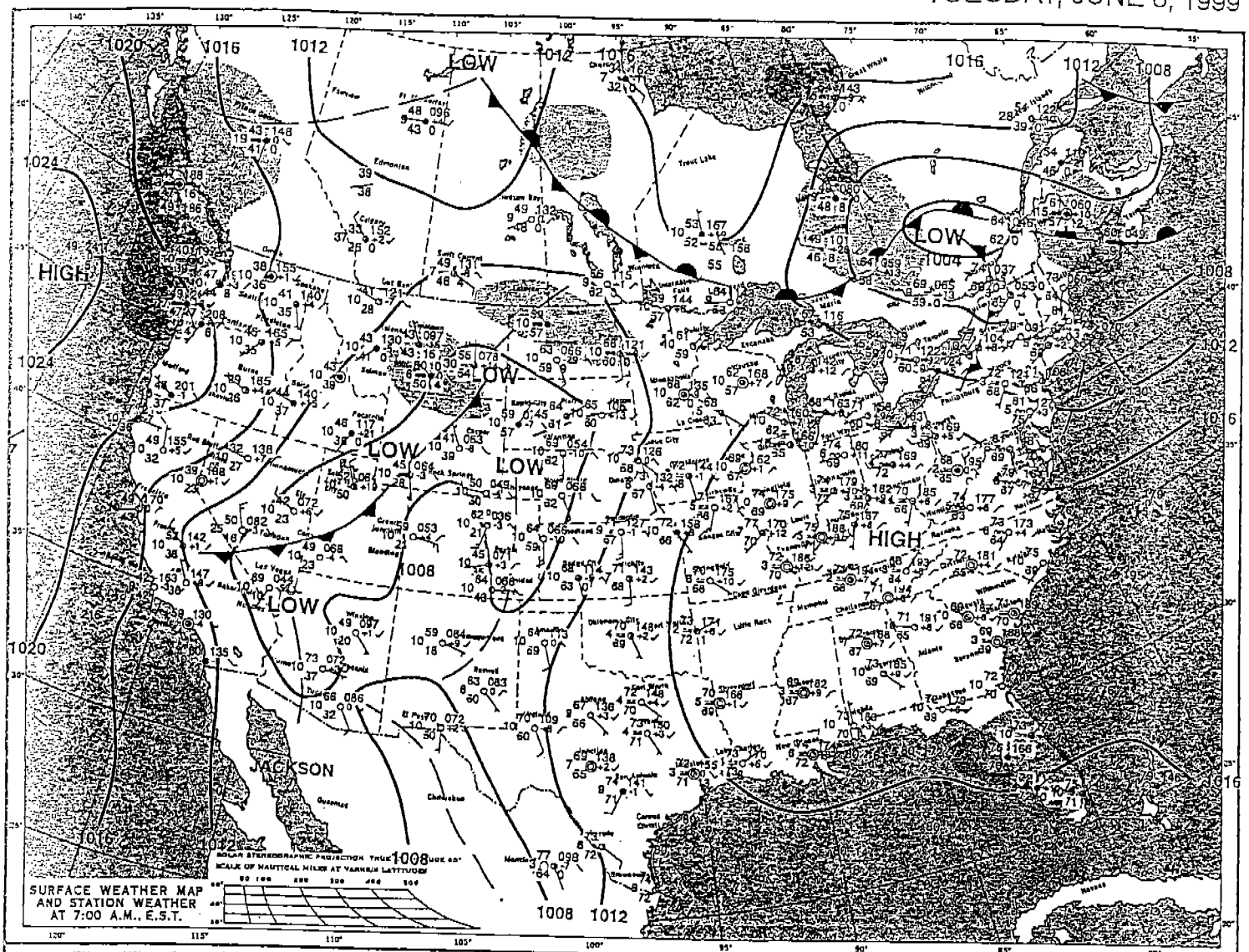
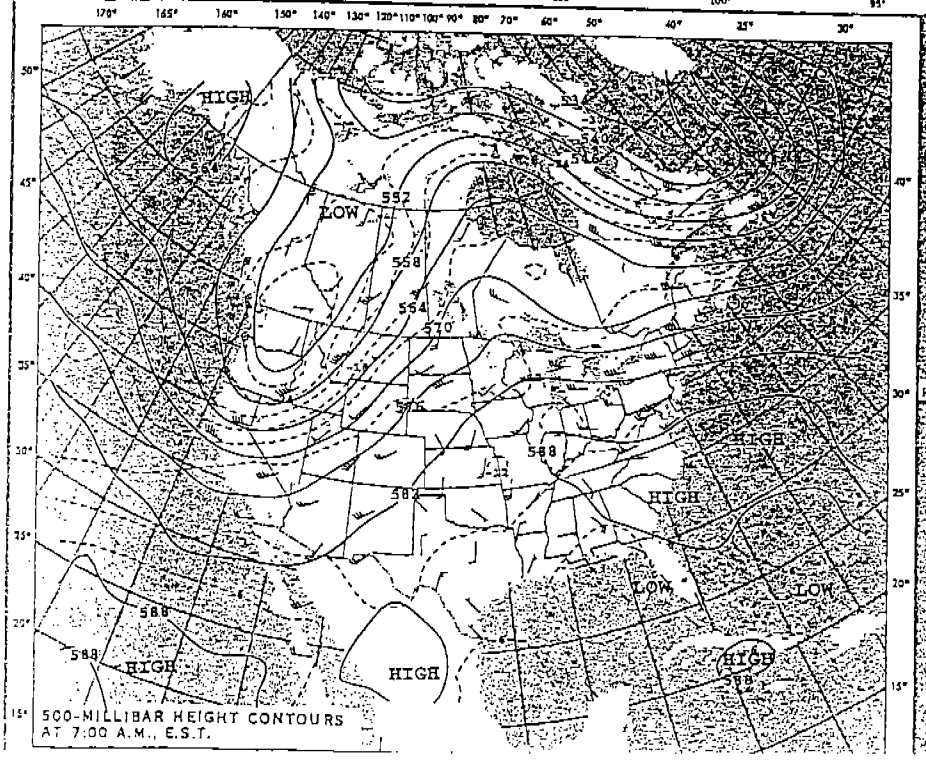
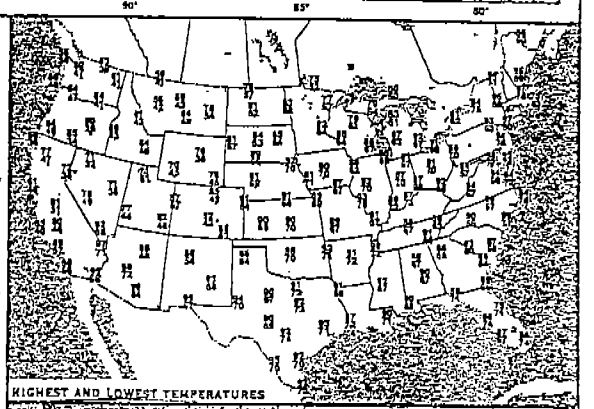
Backward Trajectories Ending- 21 UTC 08 JUN 99



TUESDAY, JUNE 8, 1999







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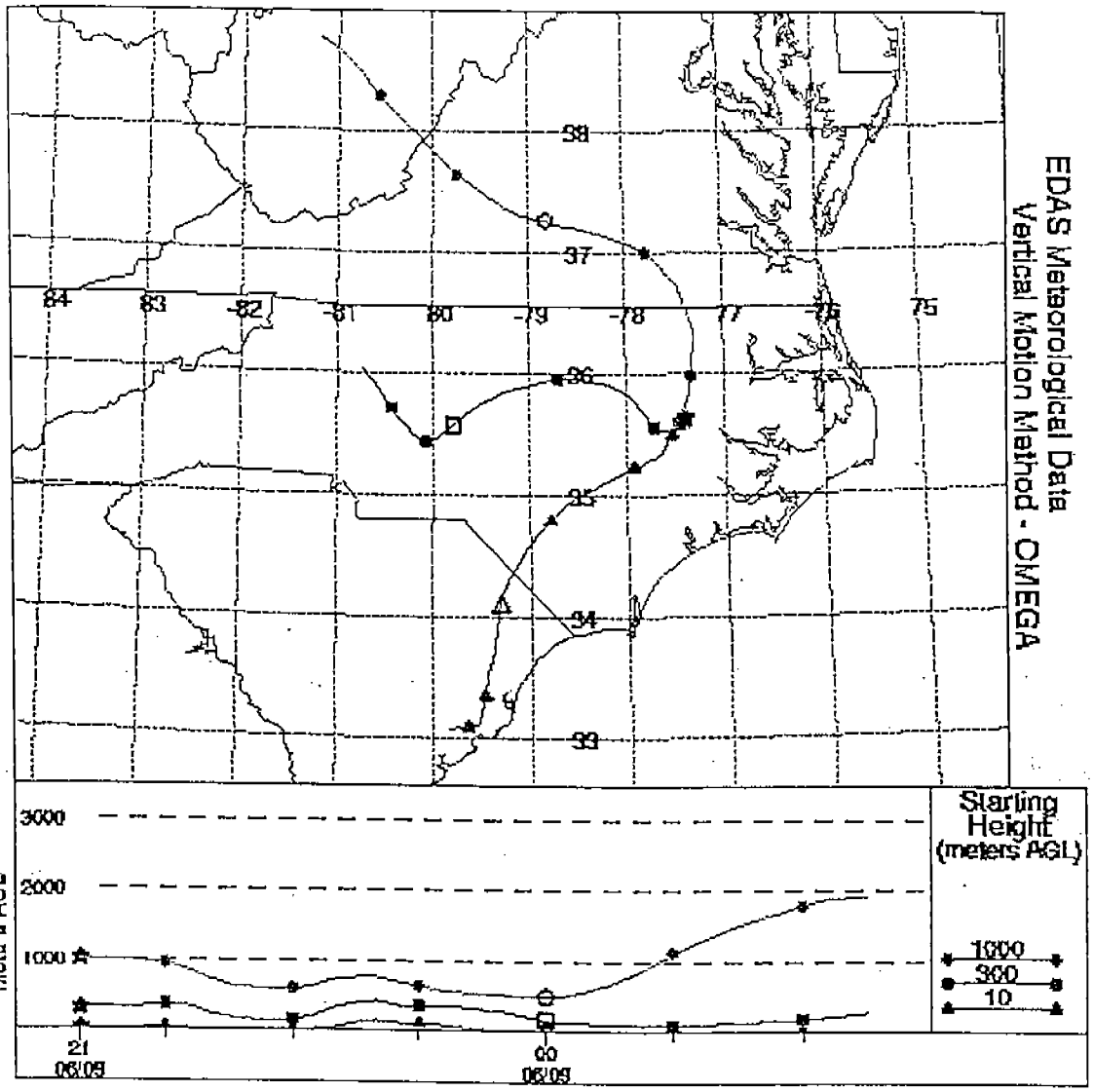
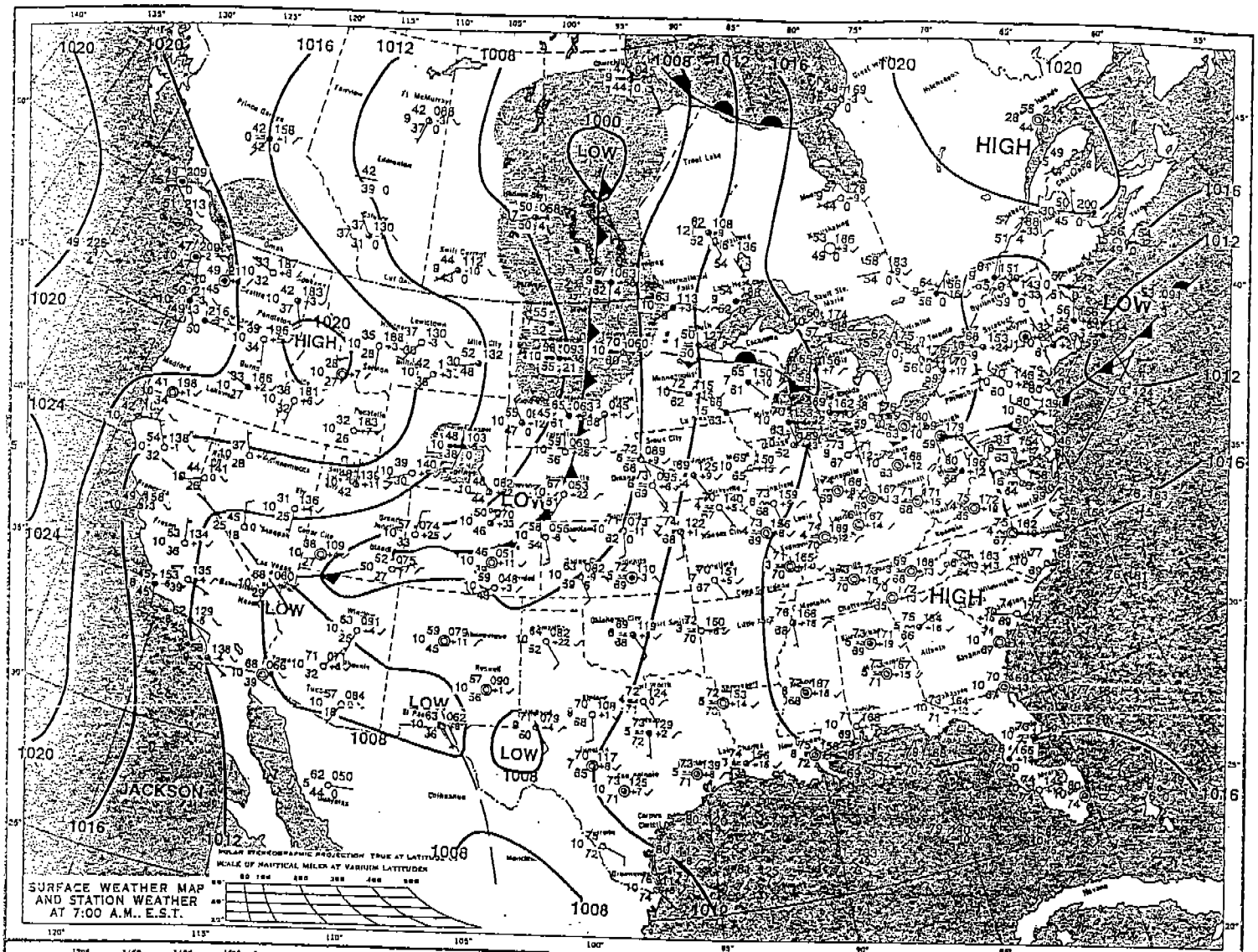
Backward Trajectories Ending- 21 UTC 09 JUN 99

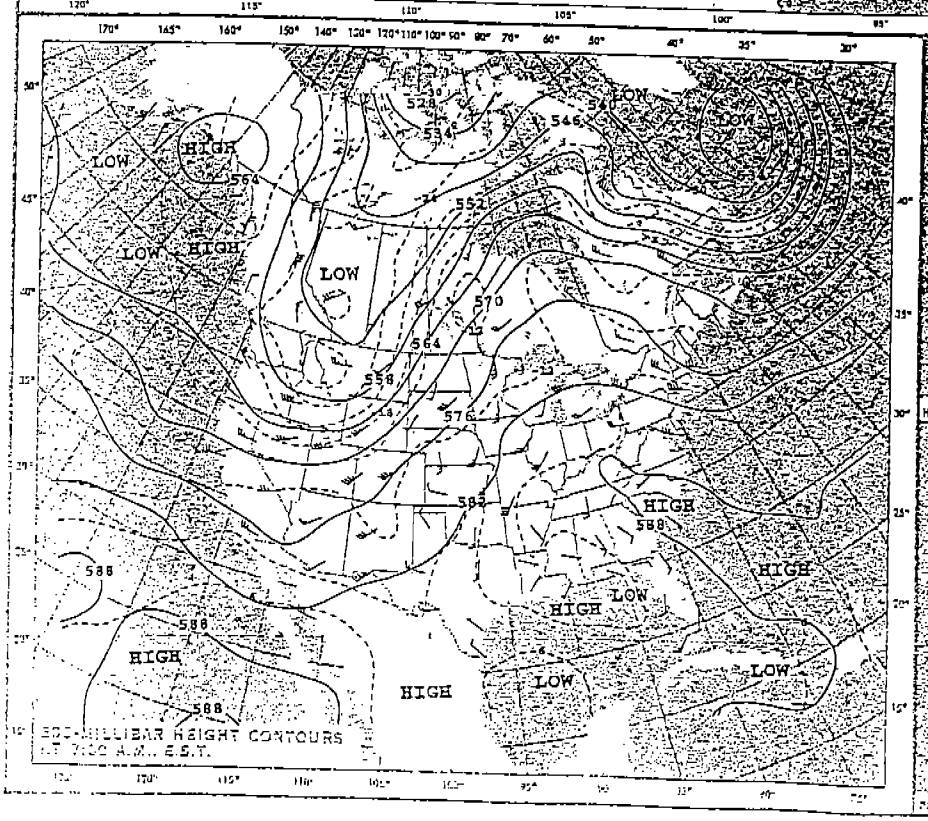
Source Location ★ at 35.63 N 77.40 W

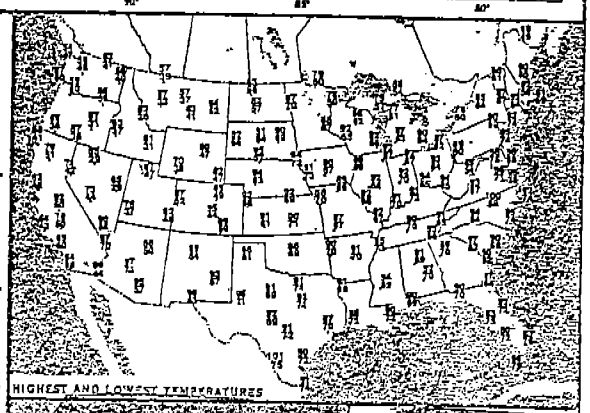


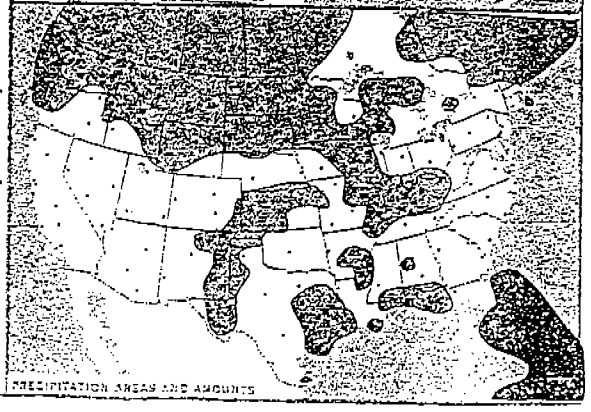
EDAS Meteorological Data
Vertical Motion Method - OMEGA

WEDNESDAY, JUNE 9, 1999









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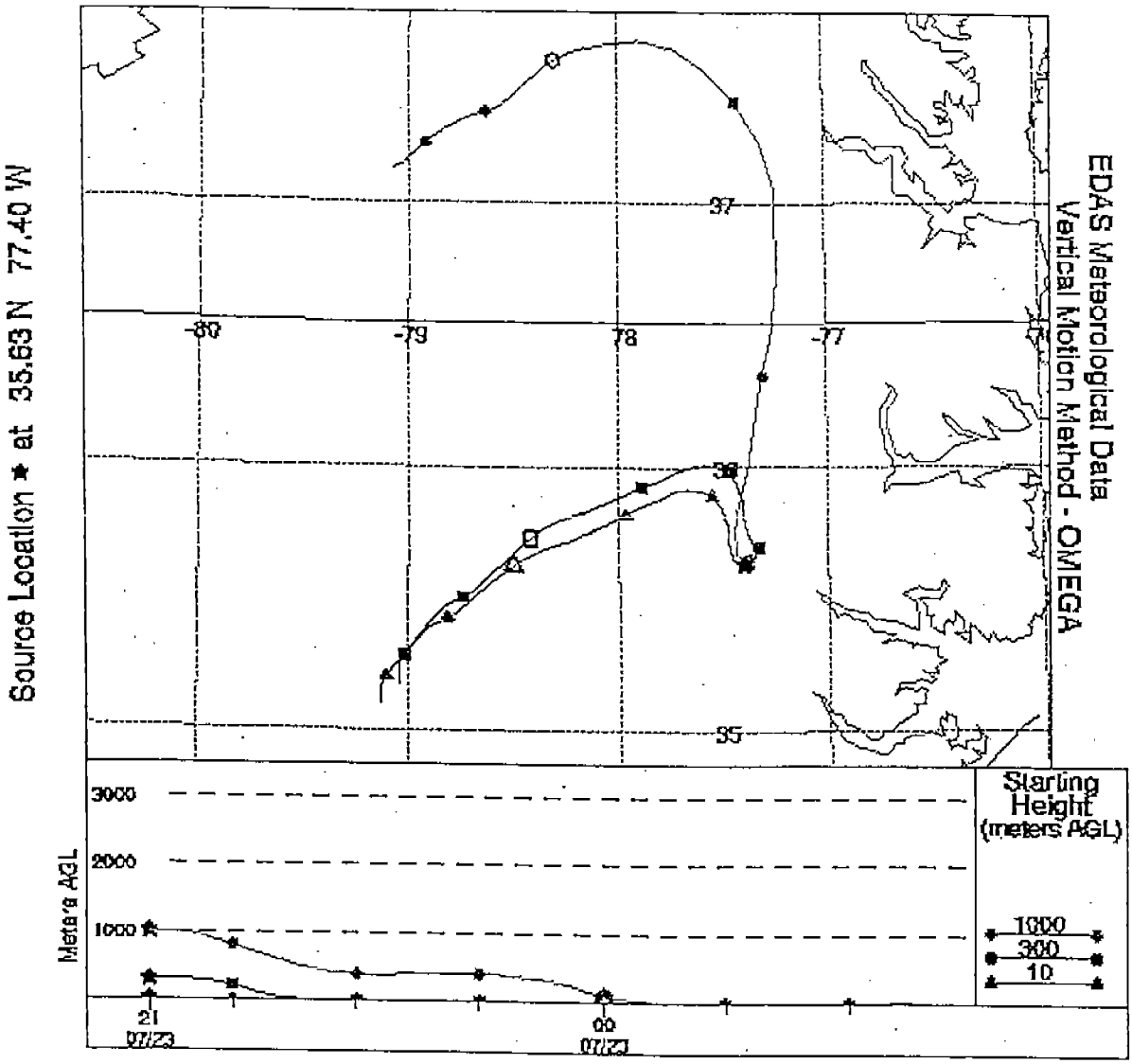
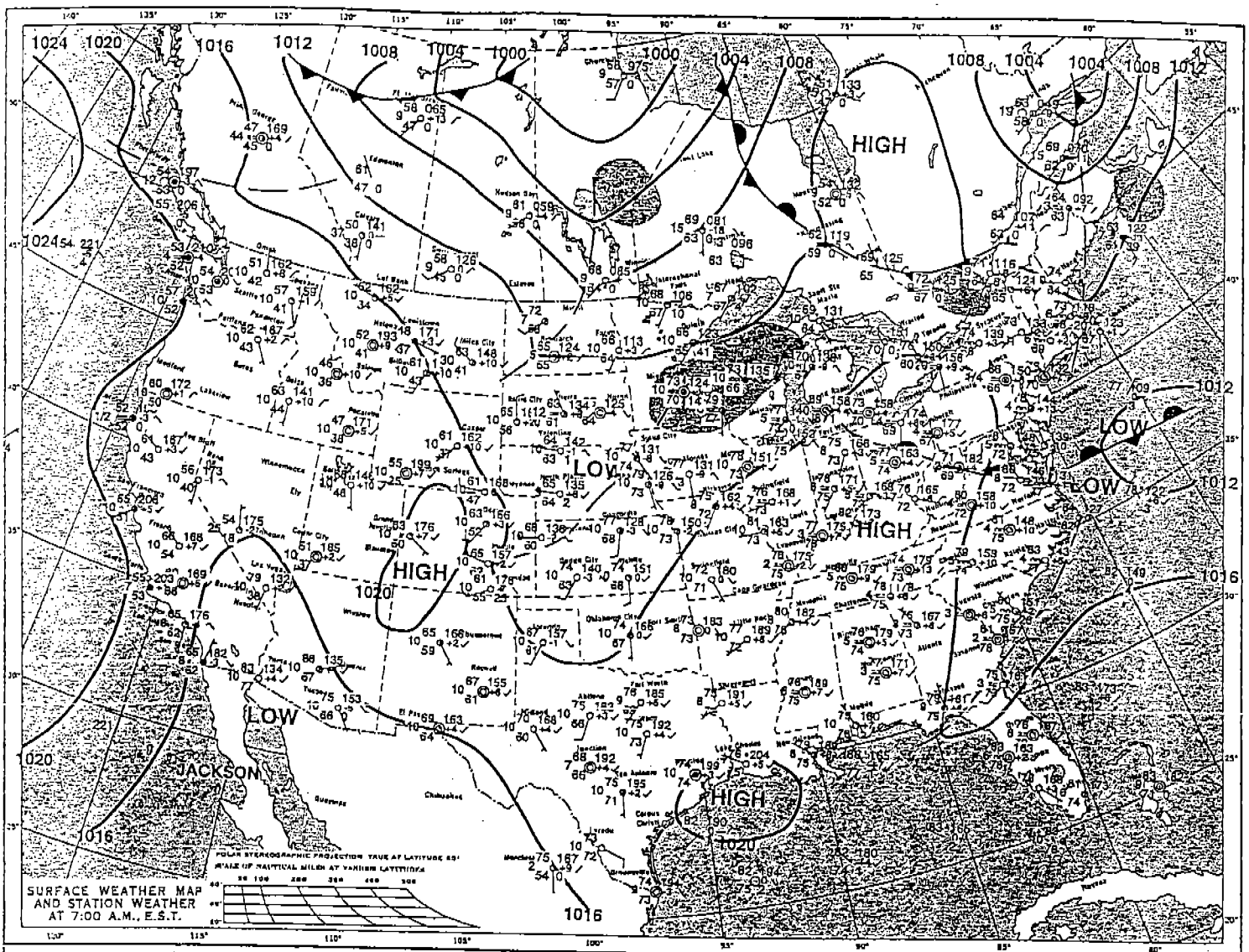
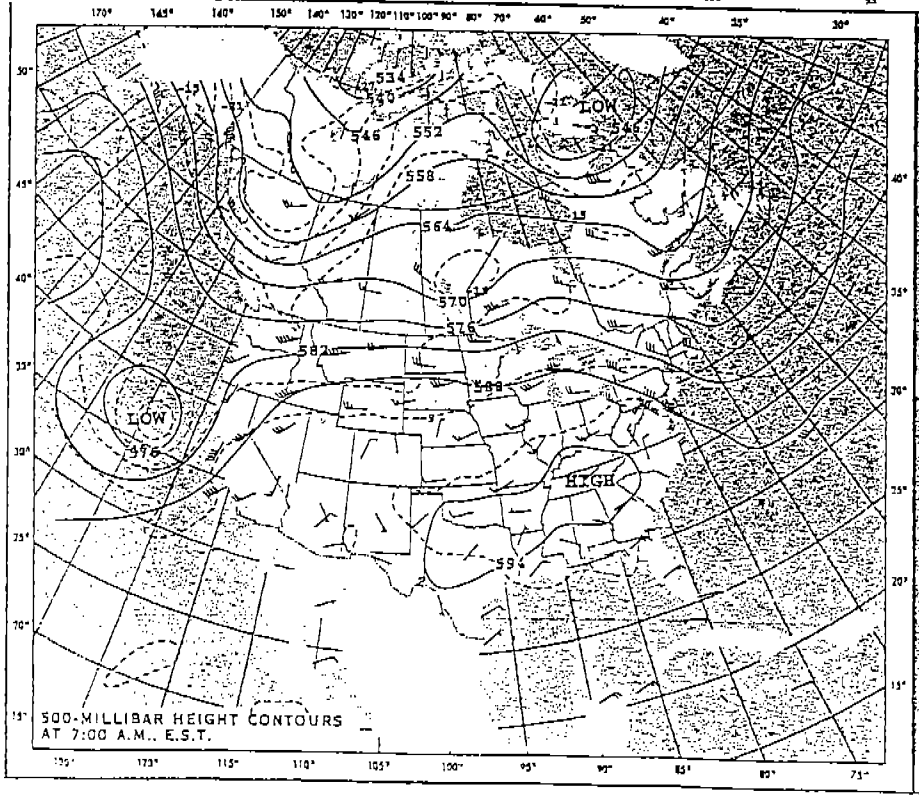
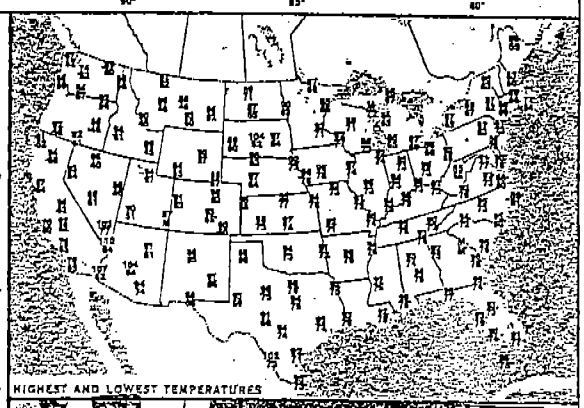
Backward Trajectories Ending- 21 UTC 23 JUL 99

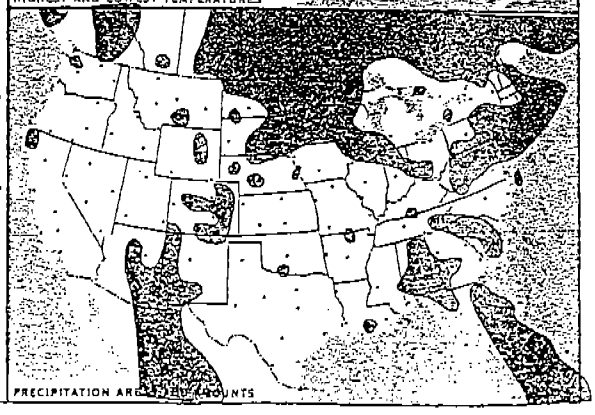


FRIDAY, JULY 23, 1999









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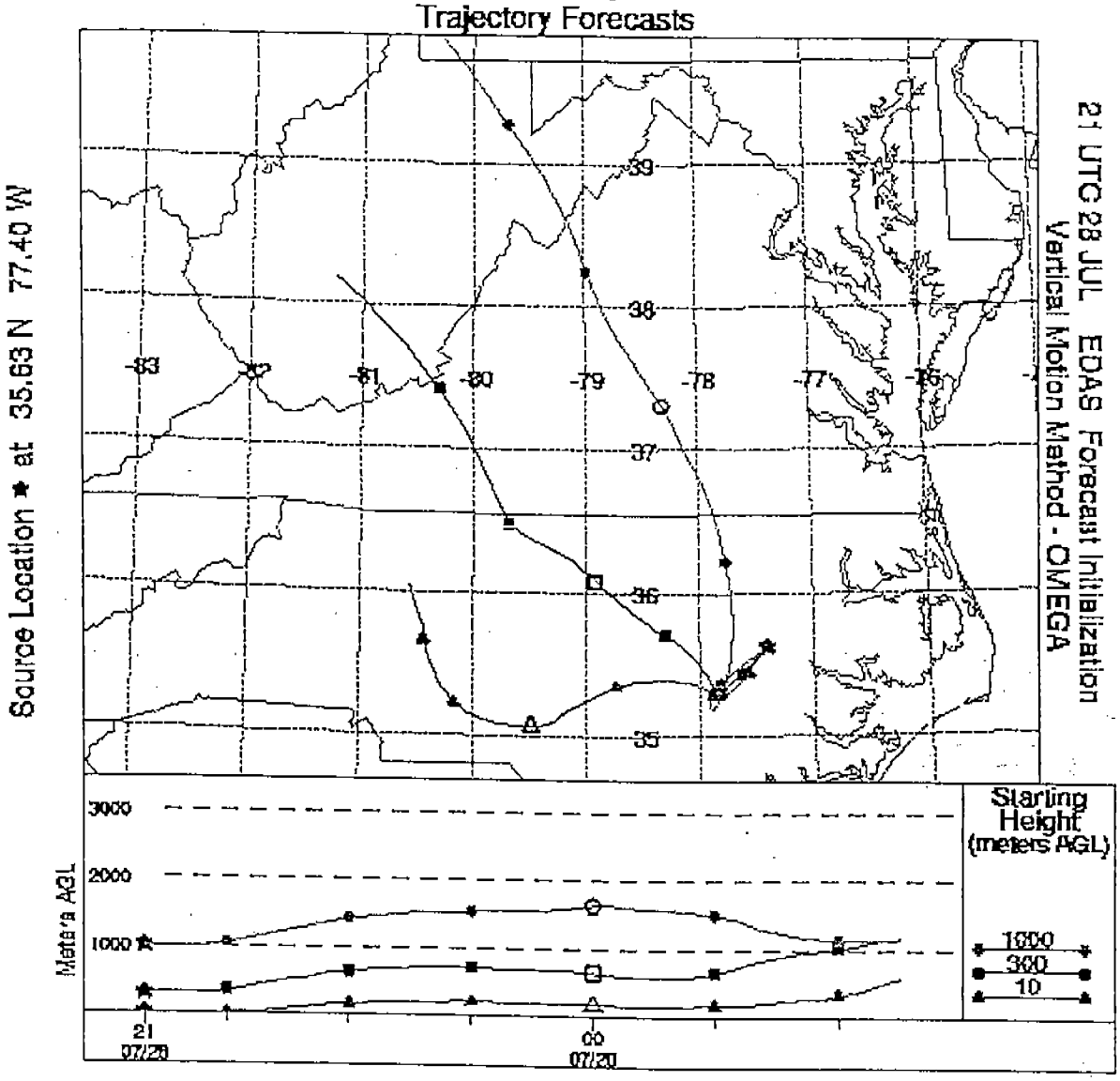
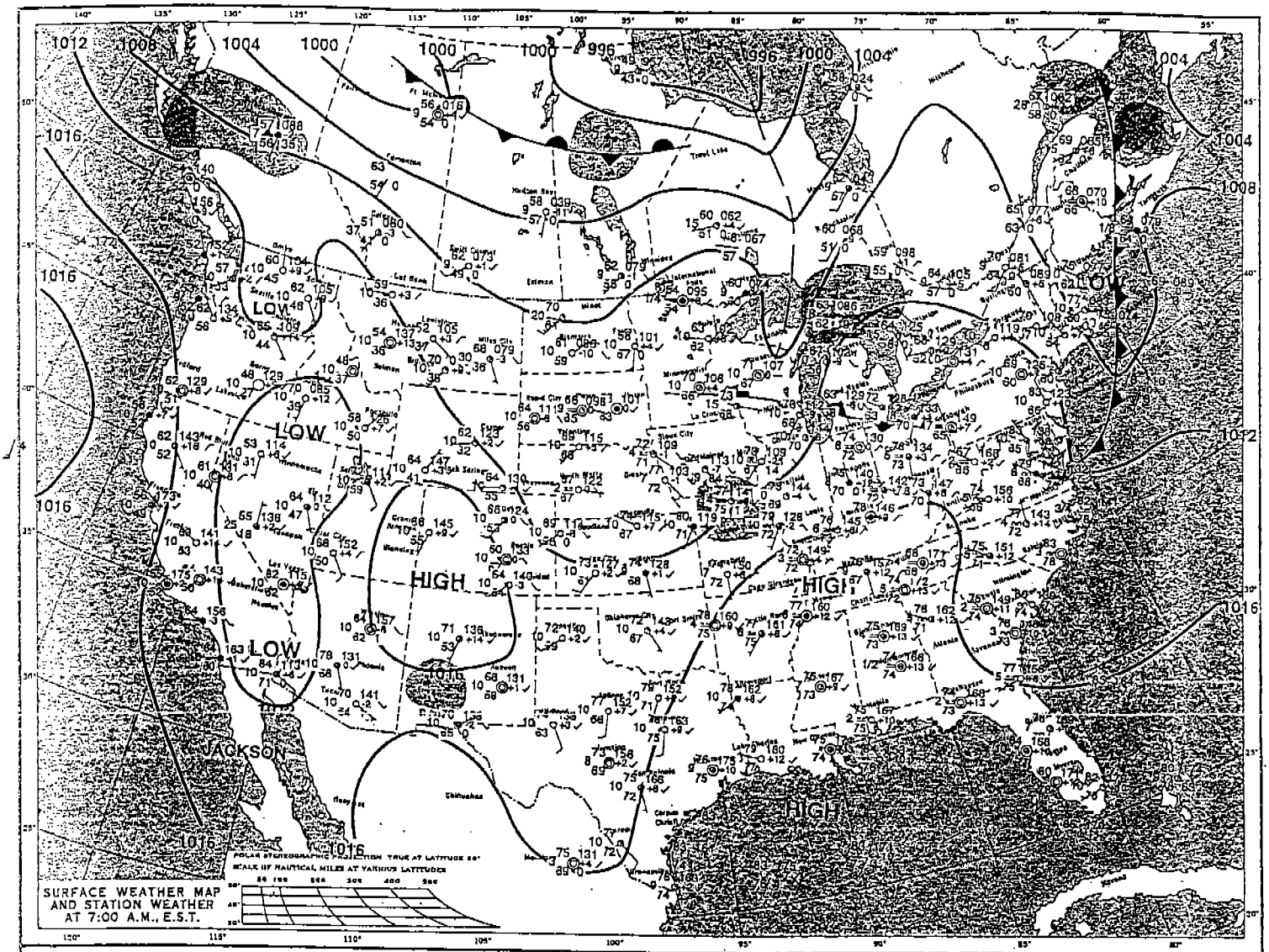
Backward Trajectories Ending- 21 UTC 28 JUL 99

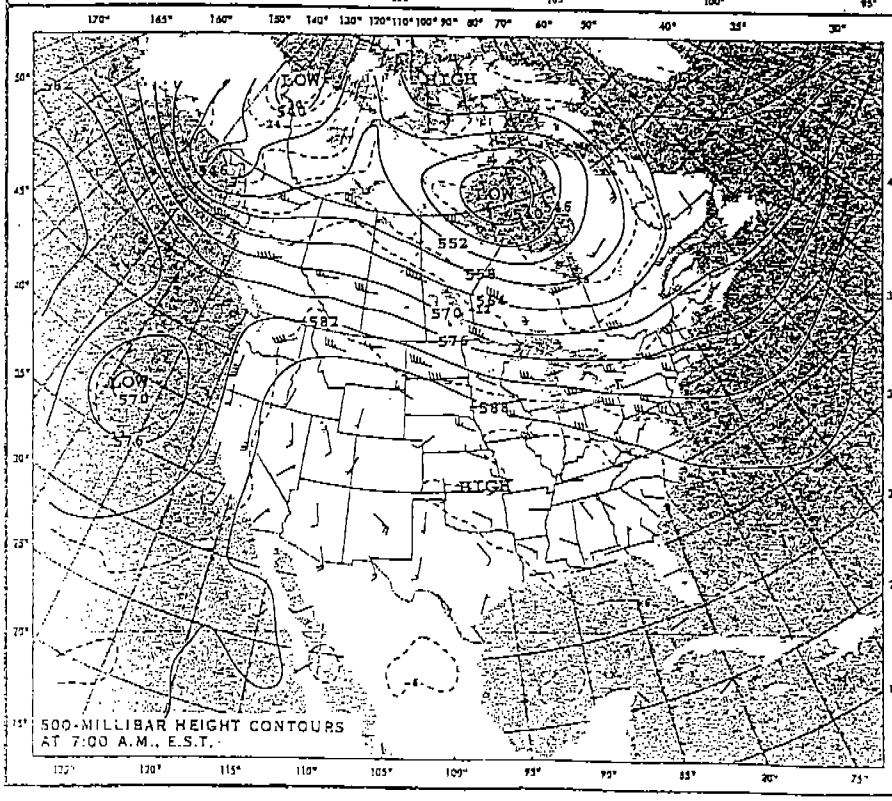
Trajectory Forecasts



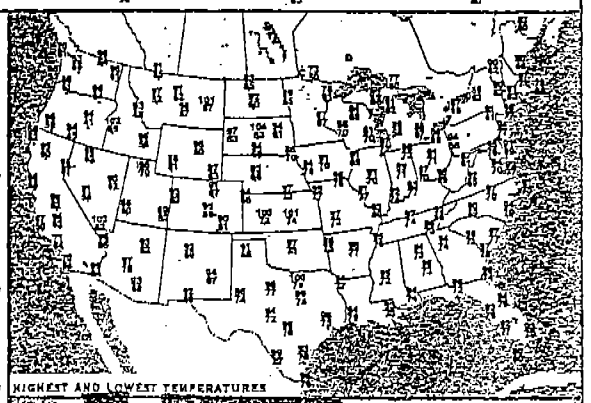
WEDNESDAY, JULY 28, 1999



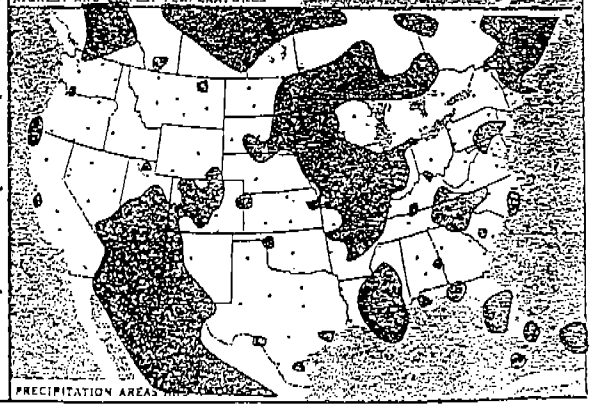
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS

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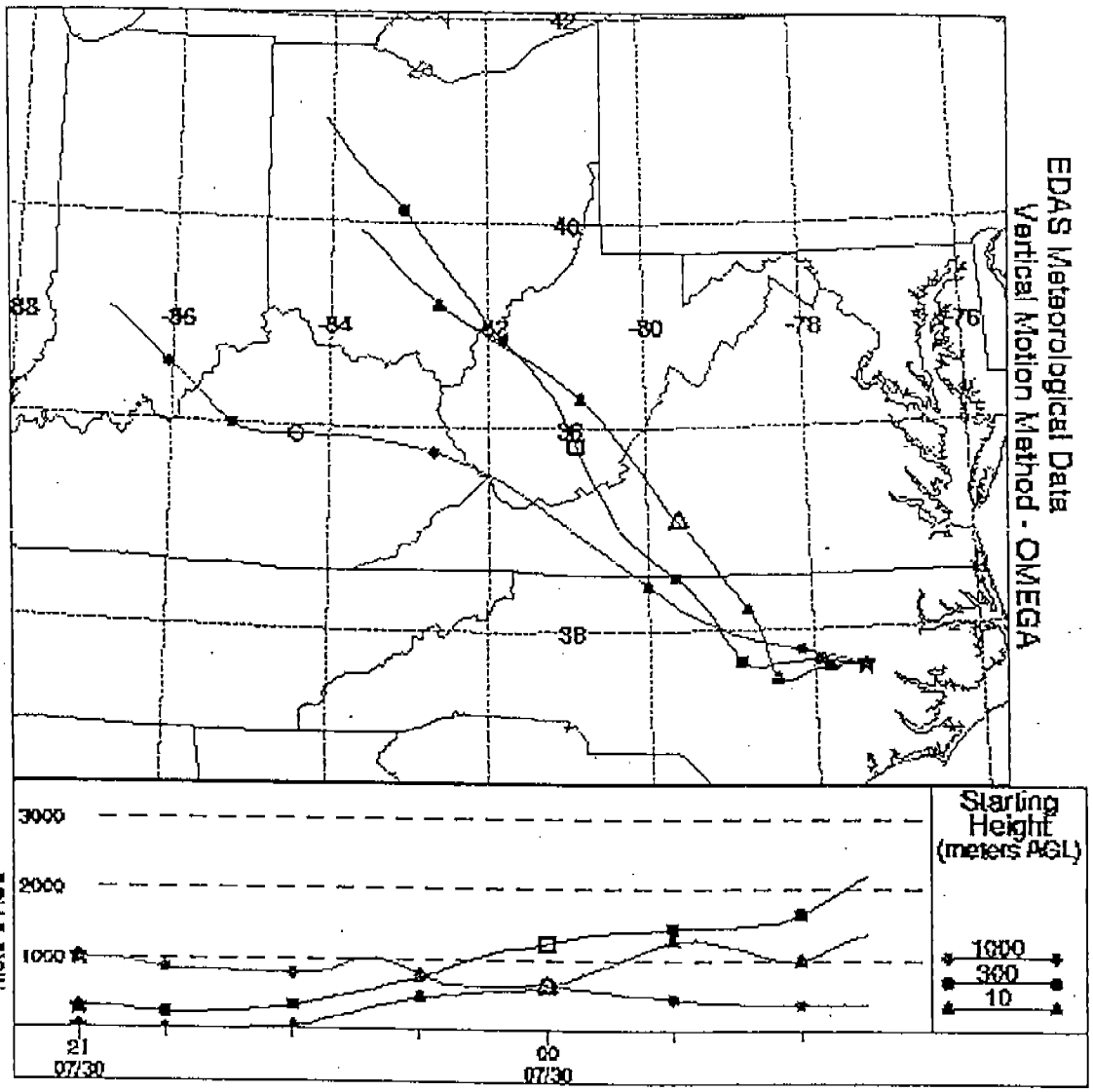
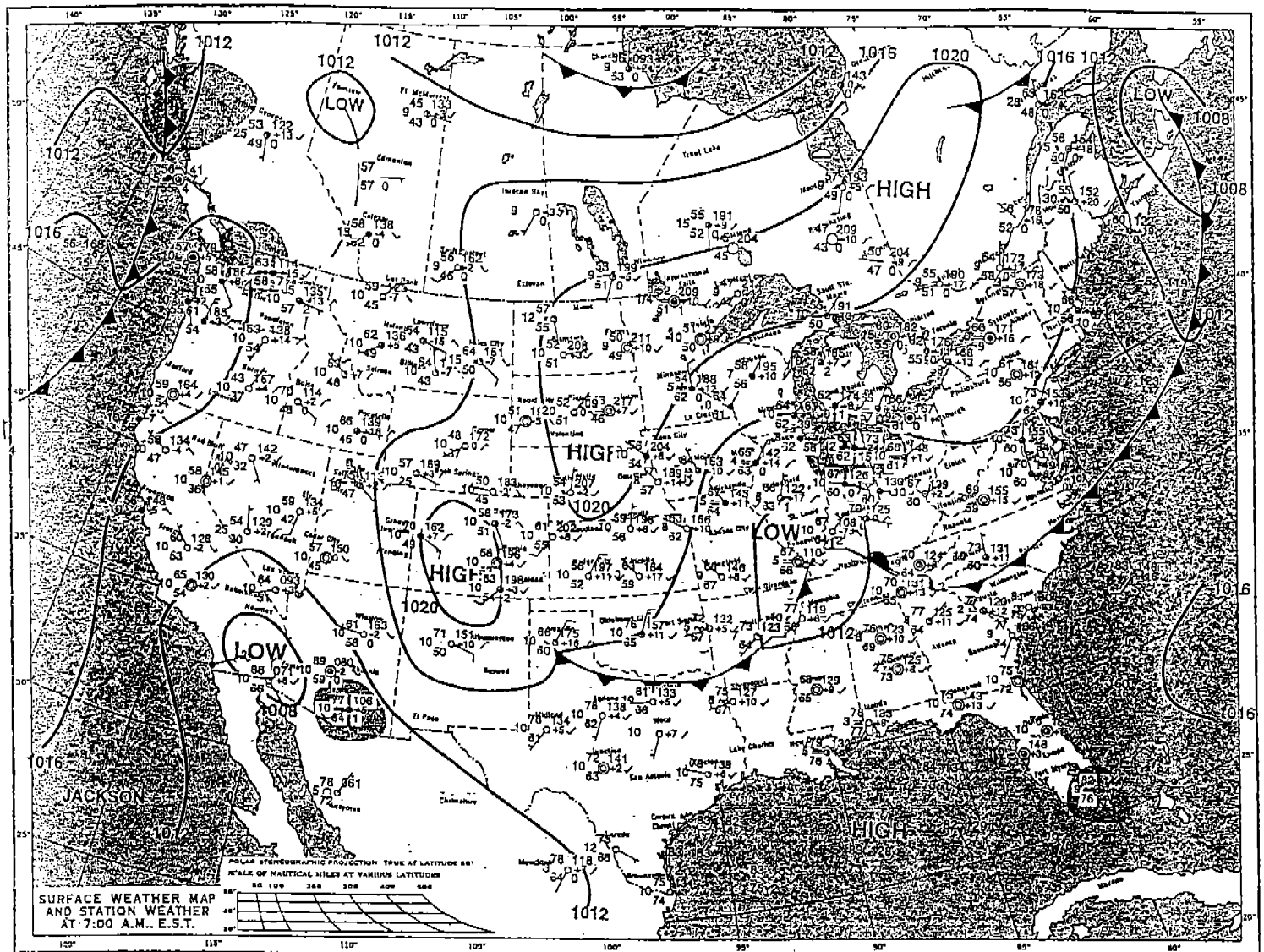
Backward Trajectories Ending- 21 UTC 30 JUL 99

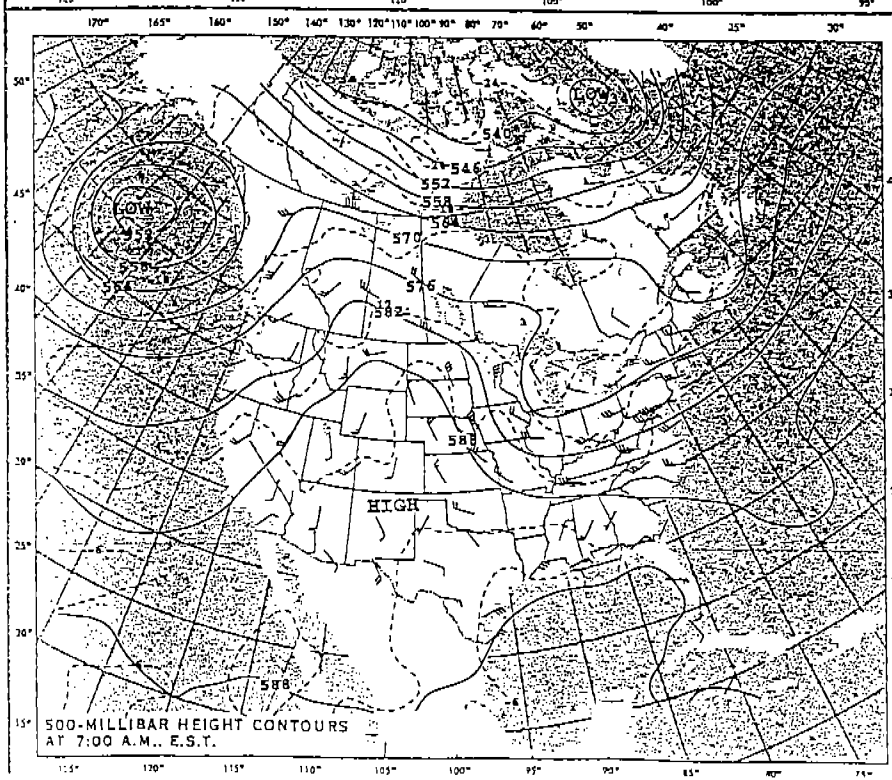
Source Location ★ at 35.63 N 77.40 W

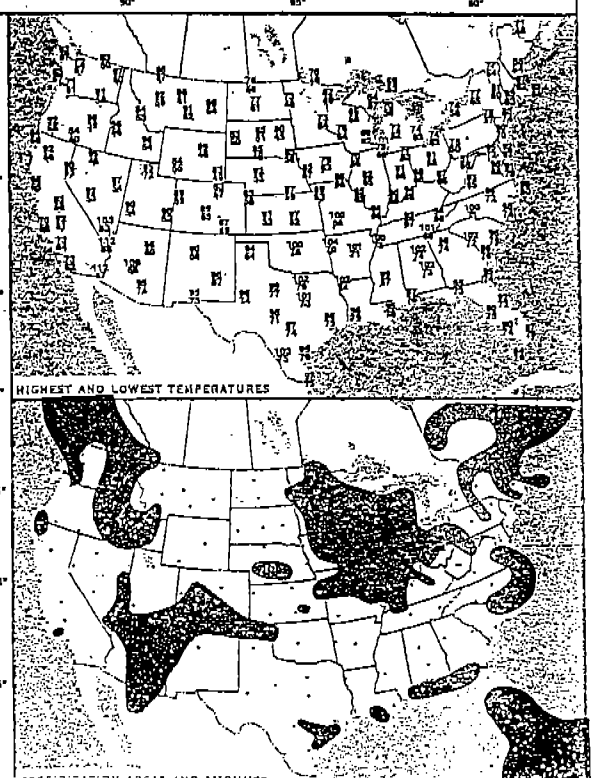
EDAS Meteorological Data
Vertical Motion Method - OMEGA



THURSDAY, AUGUST 19, 1999







Ozone Exceedence Day Back Trajectories

Monitor Site:	Gaston
Monitor ID:	371310002
Latitude:	36.48N
Longitude:	-77.61W

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:
5

1997 Ozone Exceedence Dates:
May –
June – 25
July – 13, 14, & 15
August – 2
September –

Total 1998 8-Hour Ozone Exceedences:
6

1998 Ozone Exceedence Dates:
May – 19
June – 3
July –
August – 12 & 22
September – 5 & 13

Total 1999 8-Hour Ozone Exceedences:
9

1999 Ozone Exceedence Dates:
May – 30
June – 7, 9, & 10
July – 6
August – 5, 6, 7, & 18
September –

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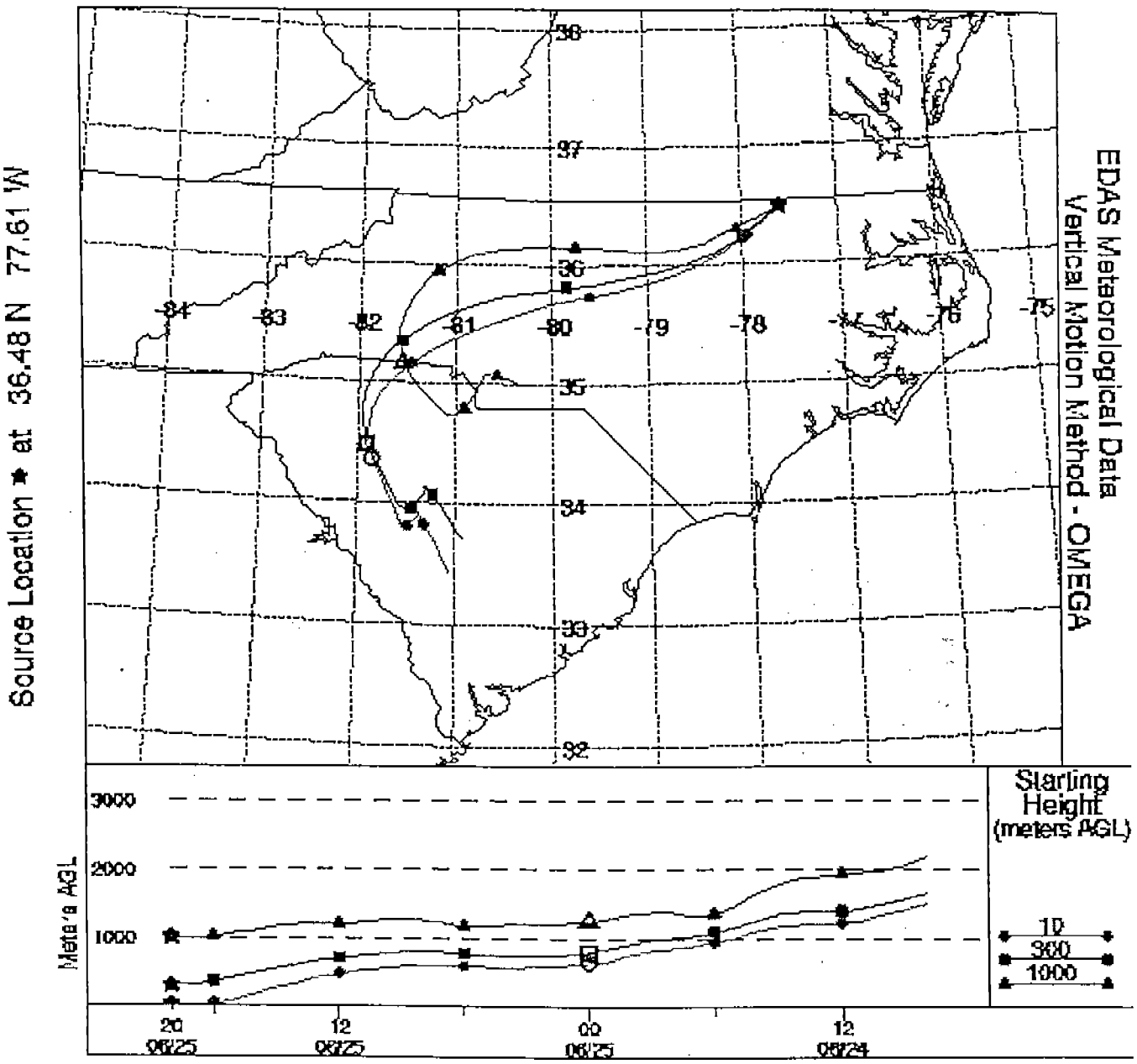
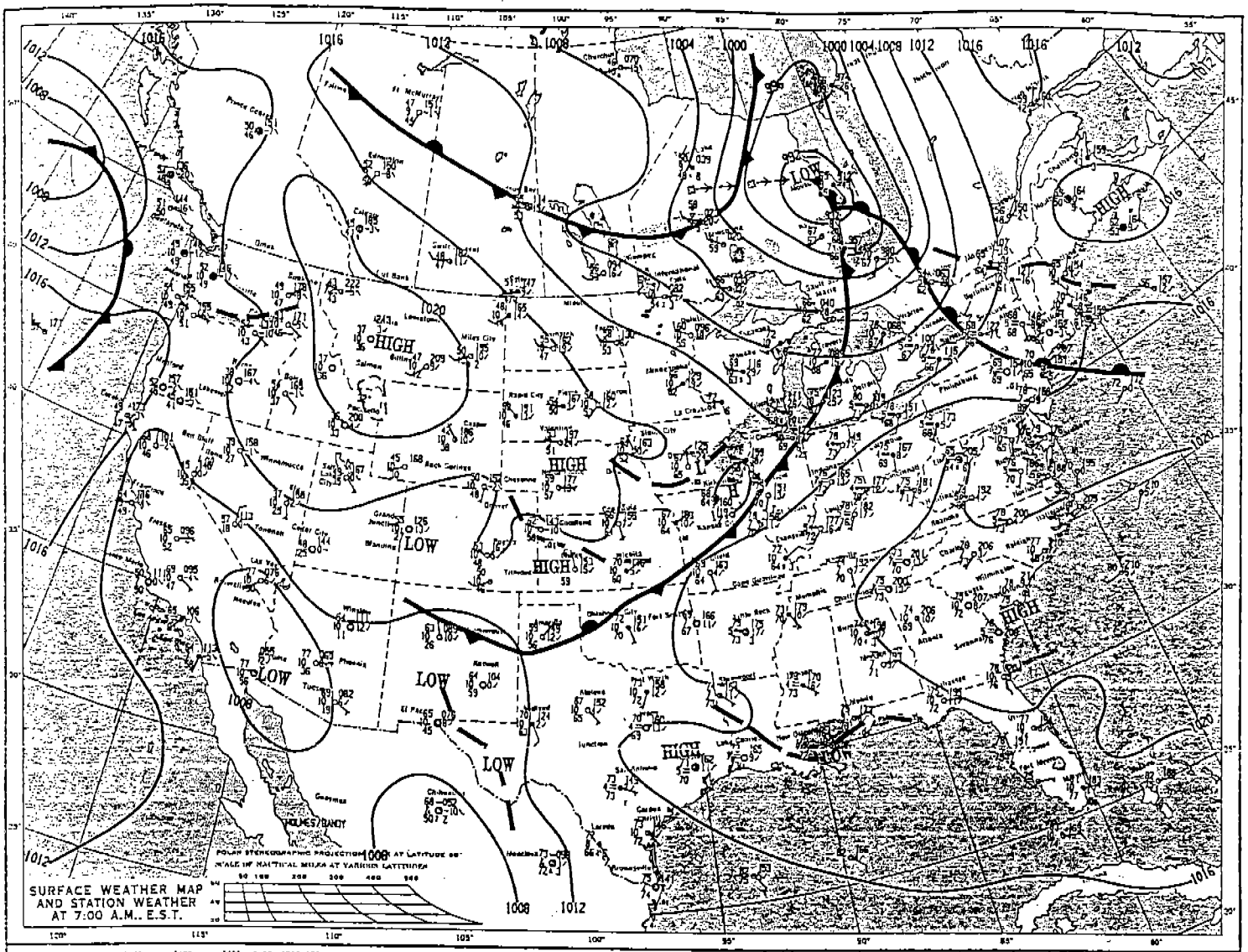
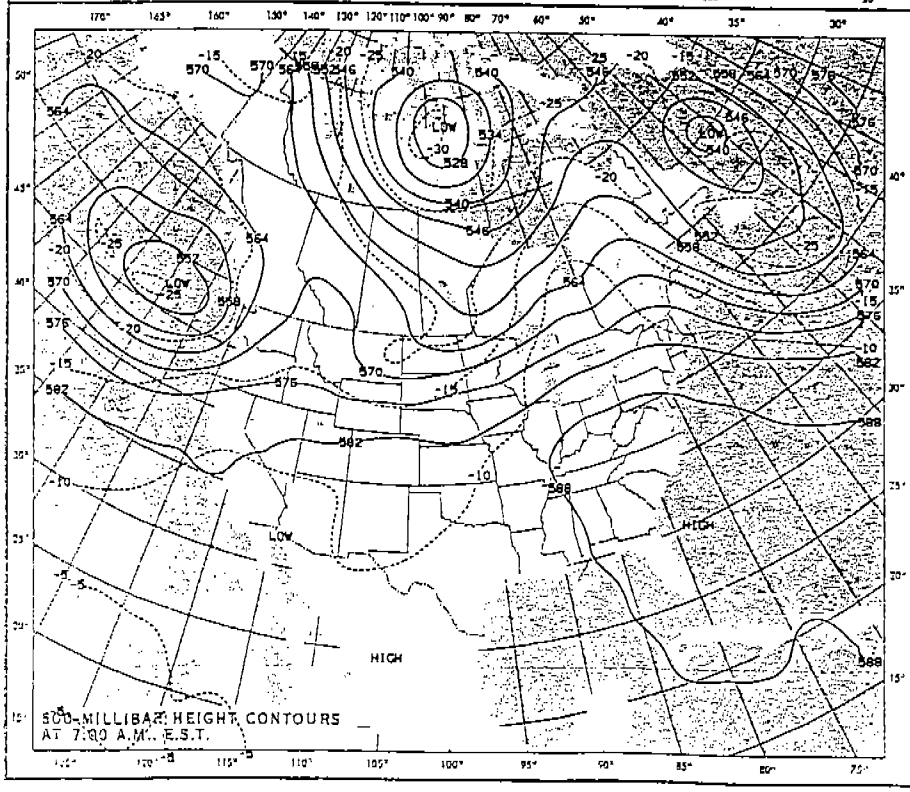
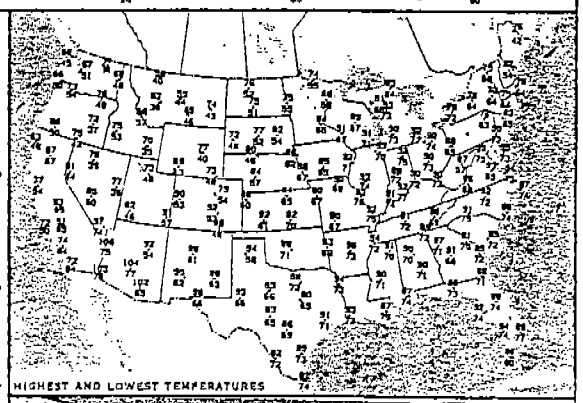
Backward Trajectories Ending- 20 UTC 25 JUN 97

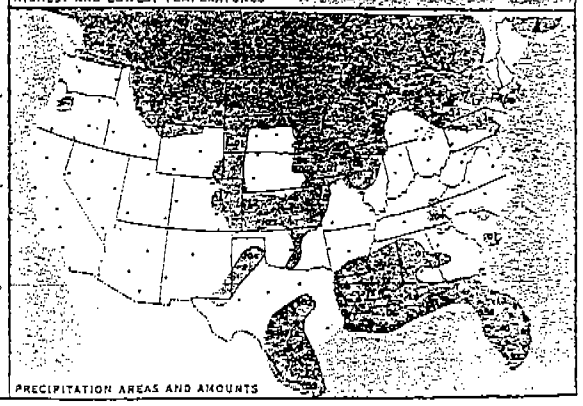


WEDNESDAY, JUNE 25, 1997









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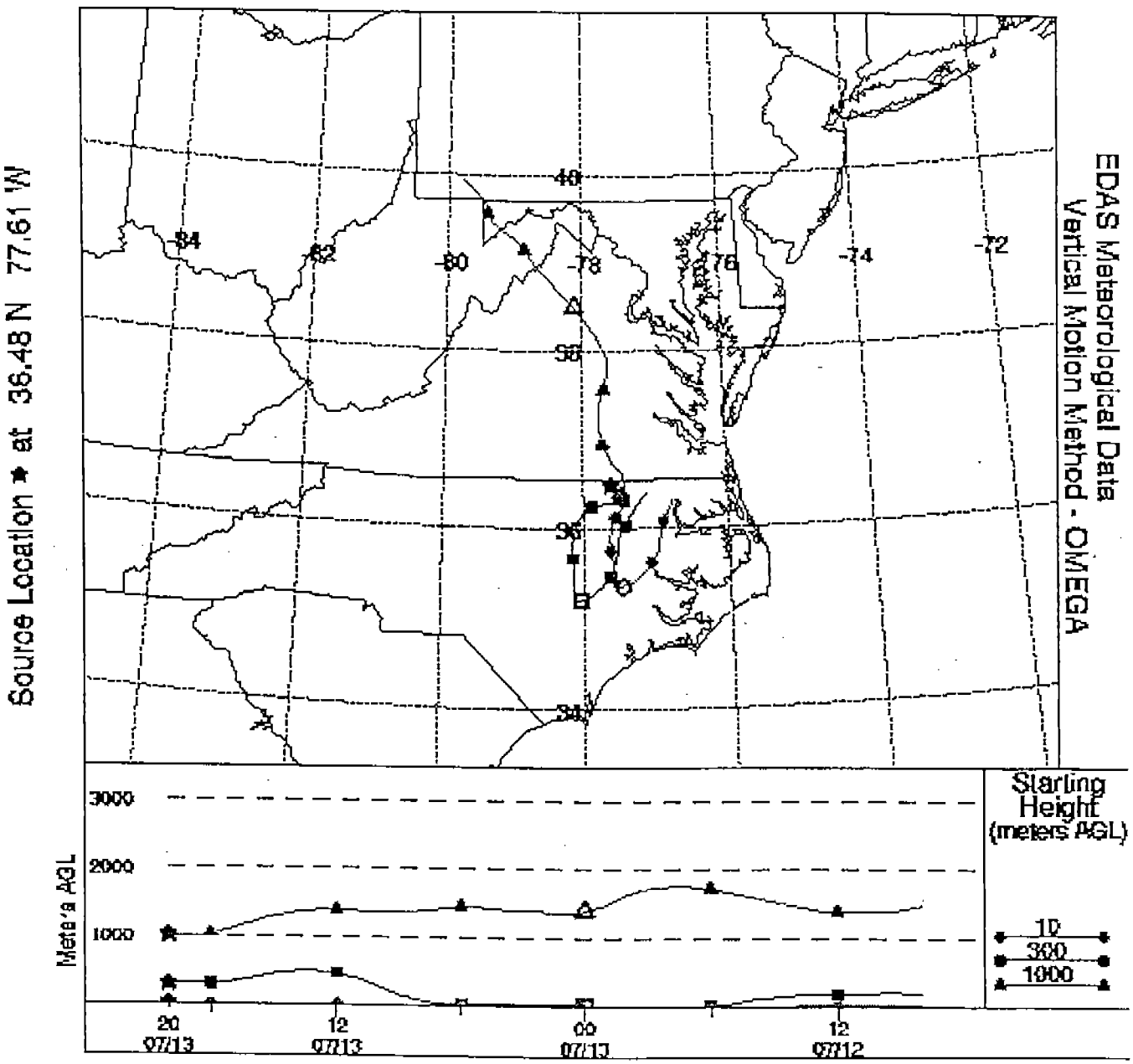
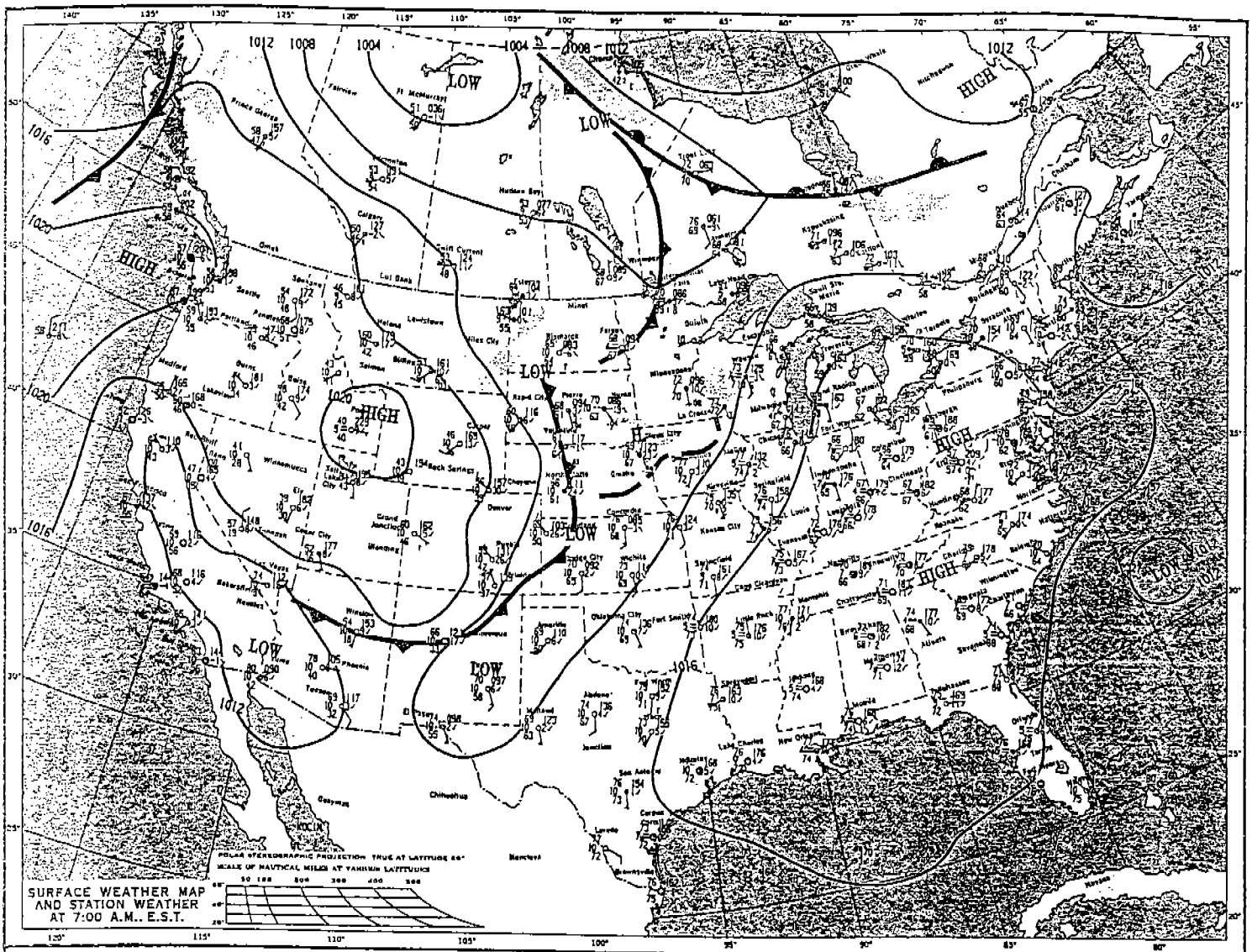
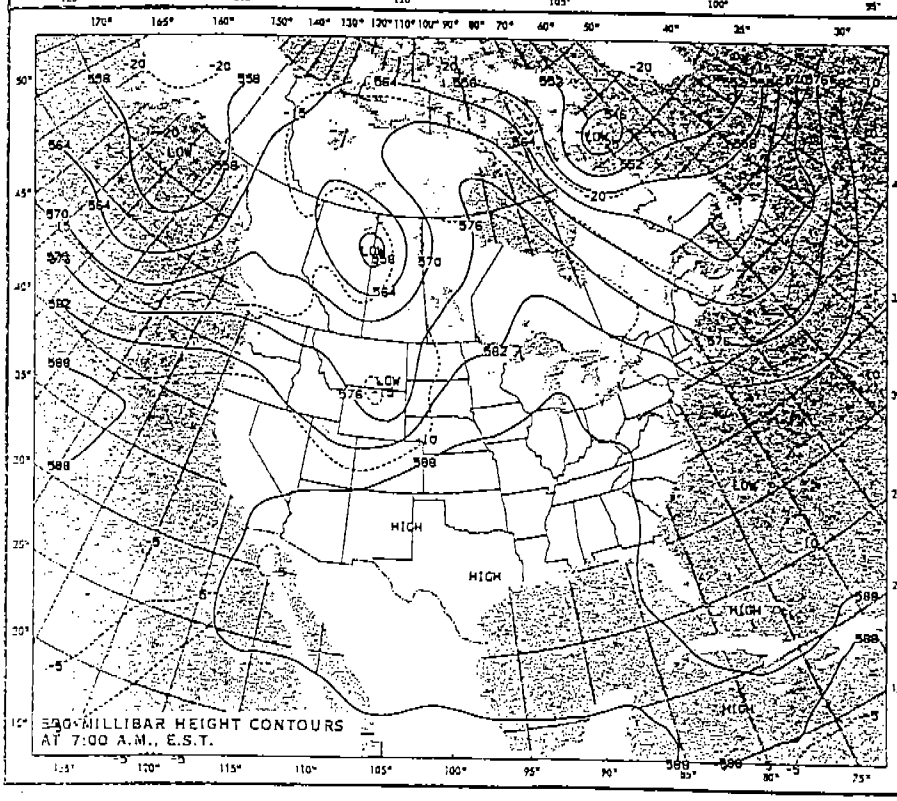
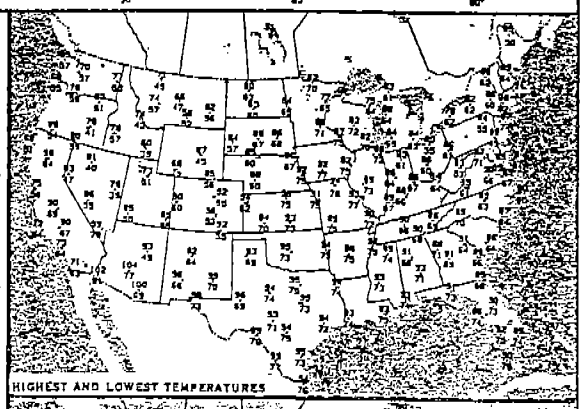
Backward Trajectories Ending- 20 UTC 13 JUL 97

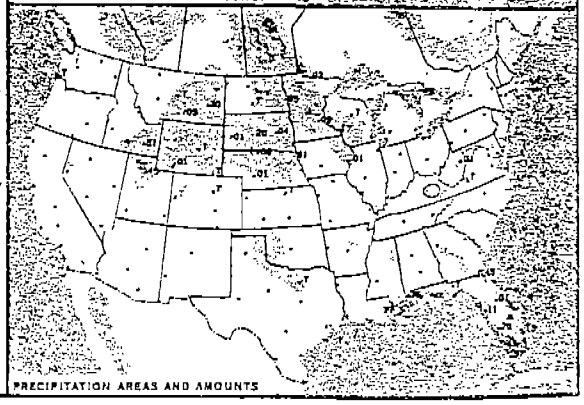


SUNDAY, JULY 13, 1997









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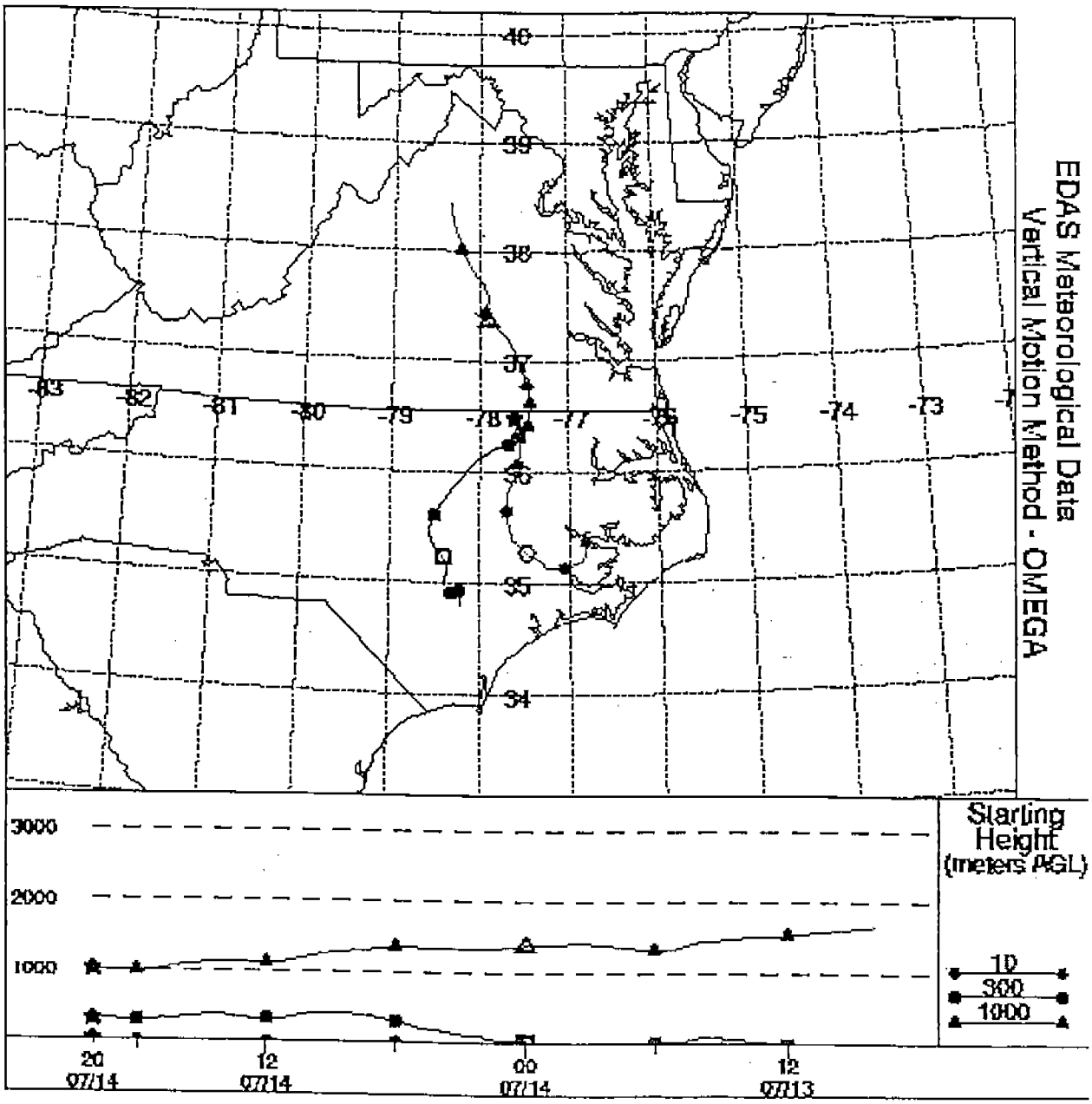
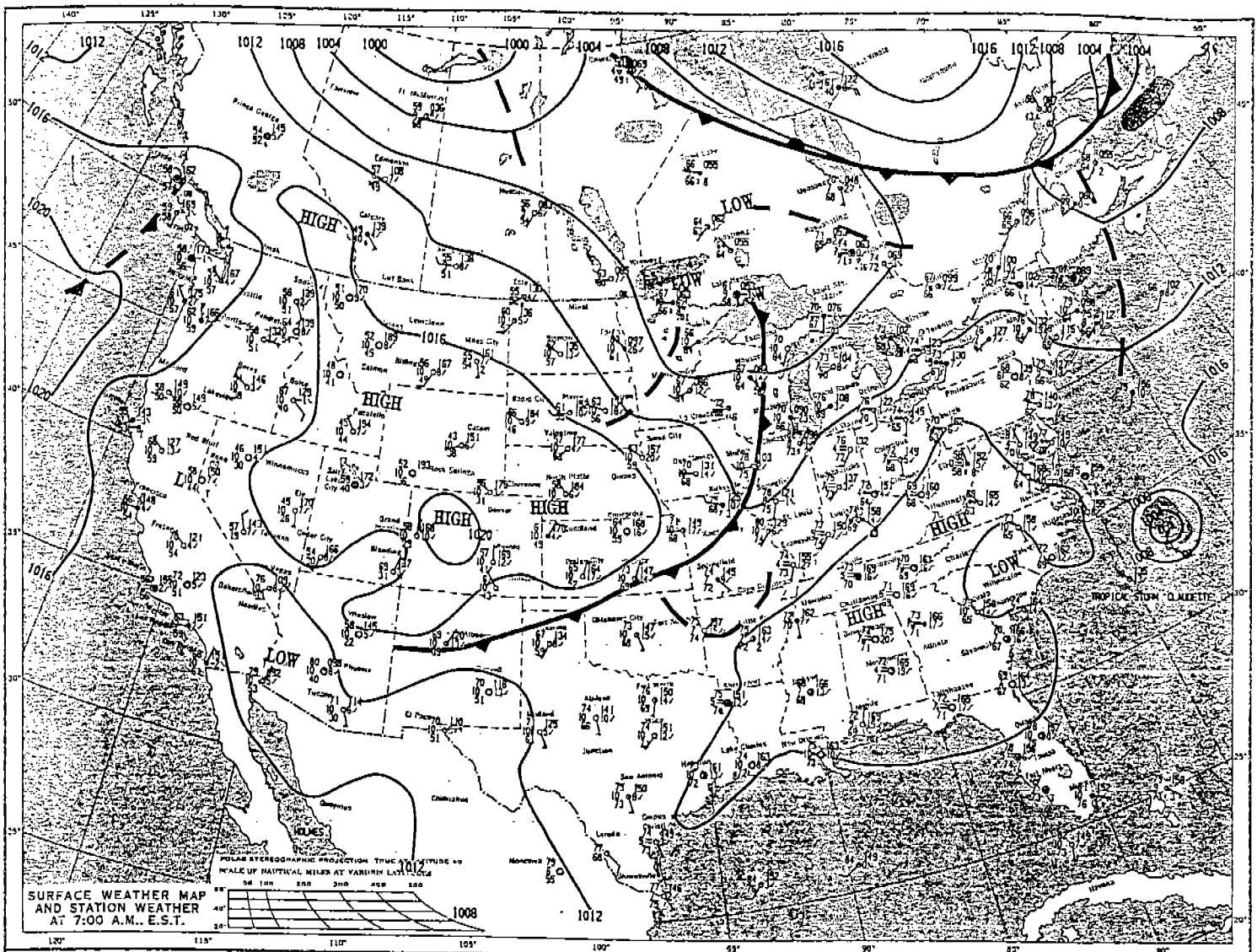
Backward Trajectories Ending- 20 UTC 14 JUL 97

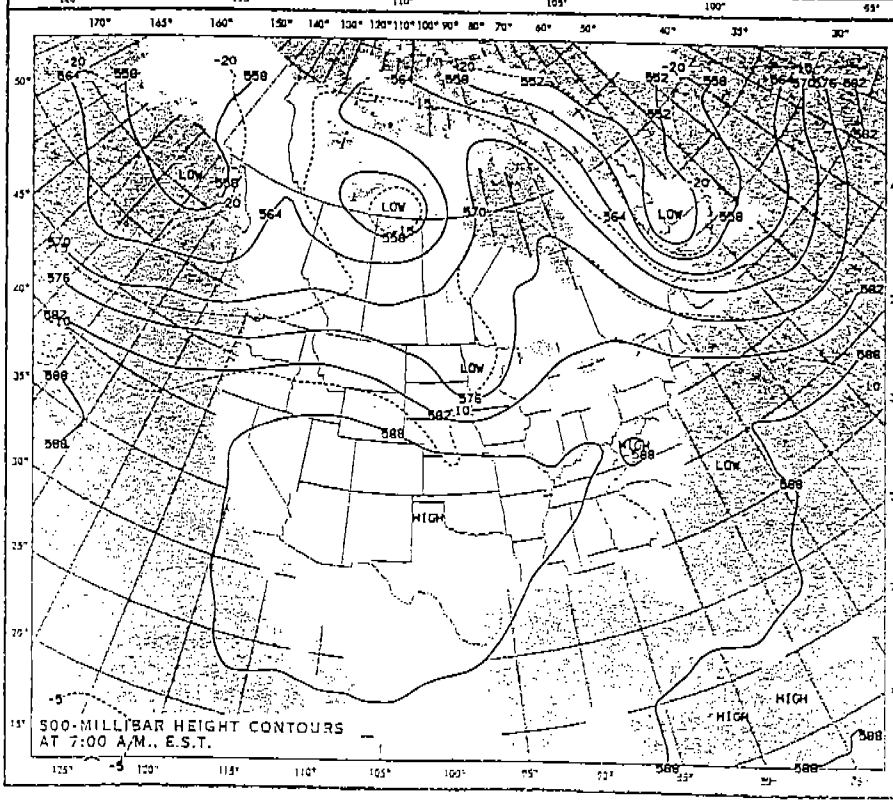
Source Location ★ at 36.48 N 77.61 W



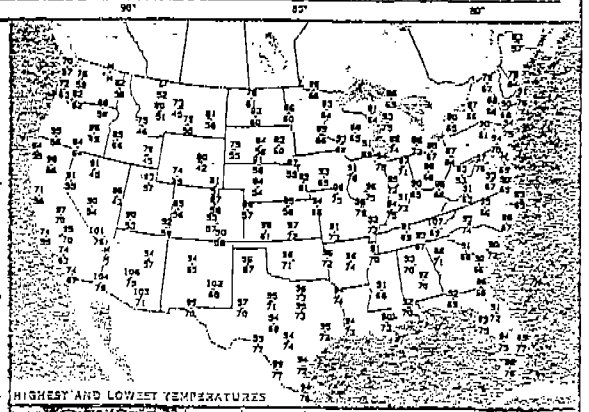
MONDAY, JULY 14, 1997



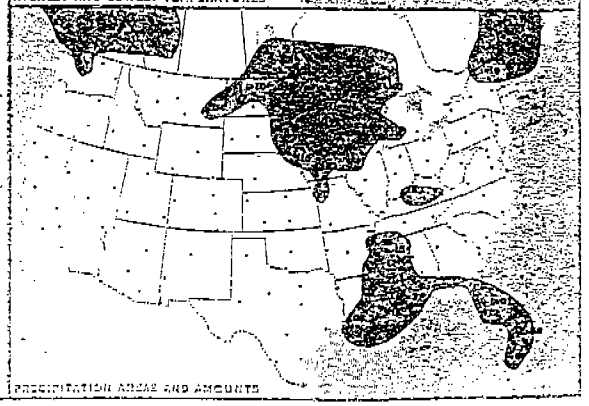
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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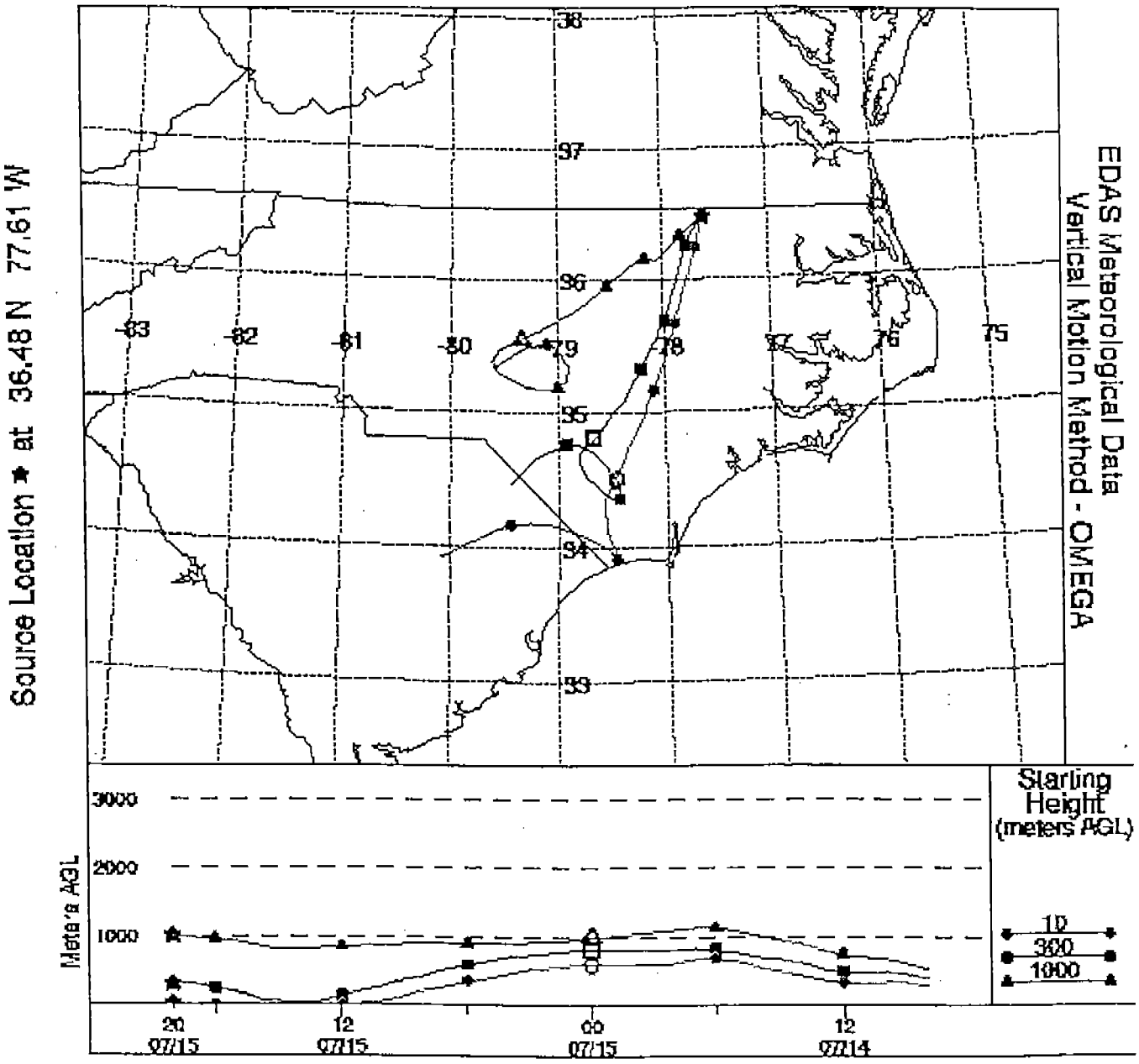
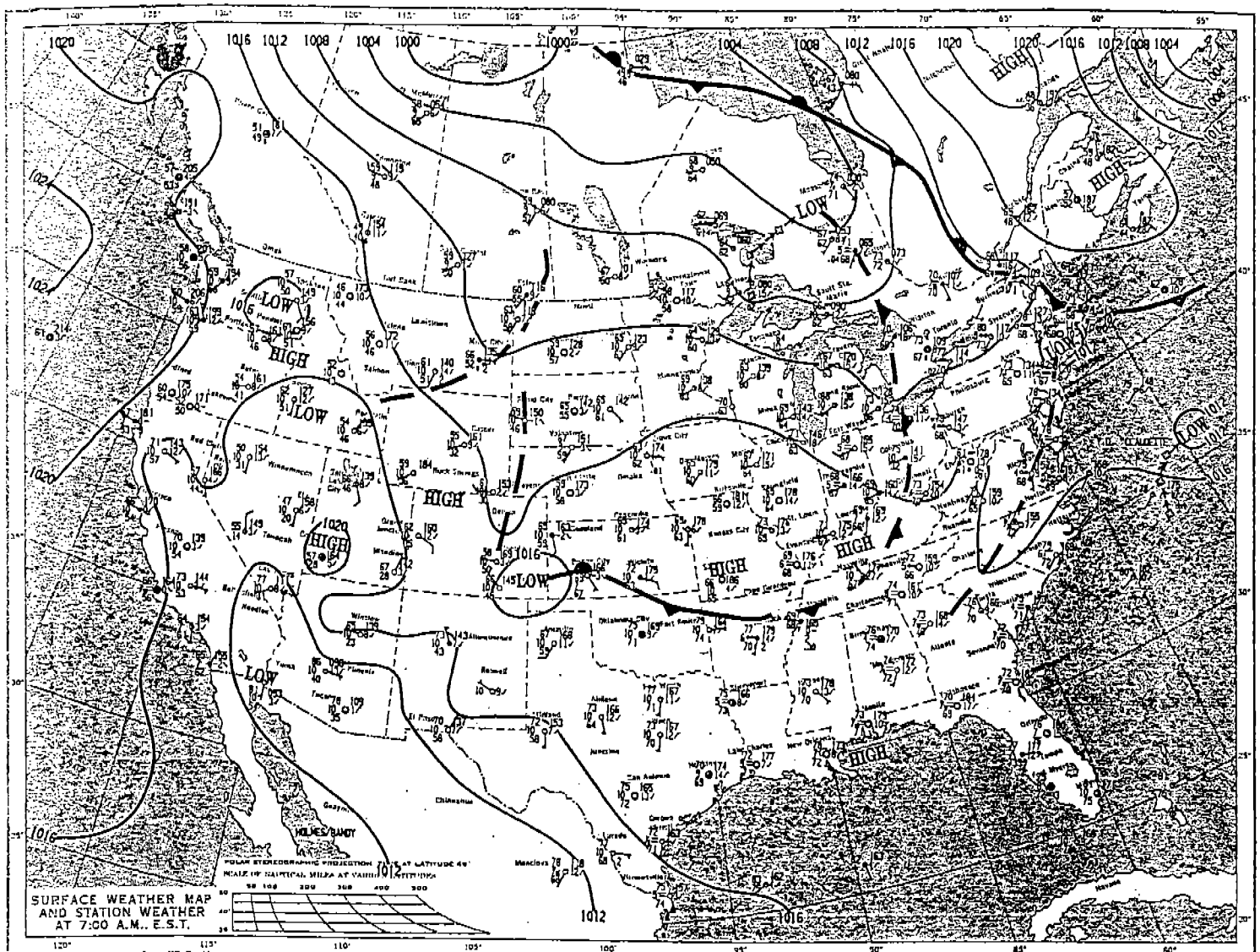
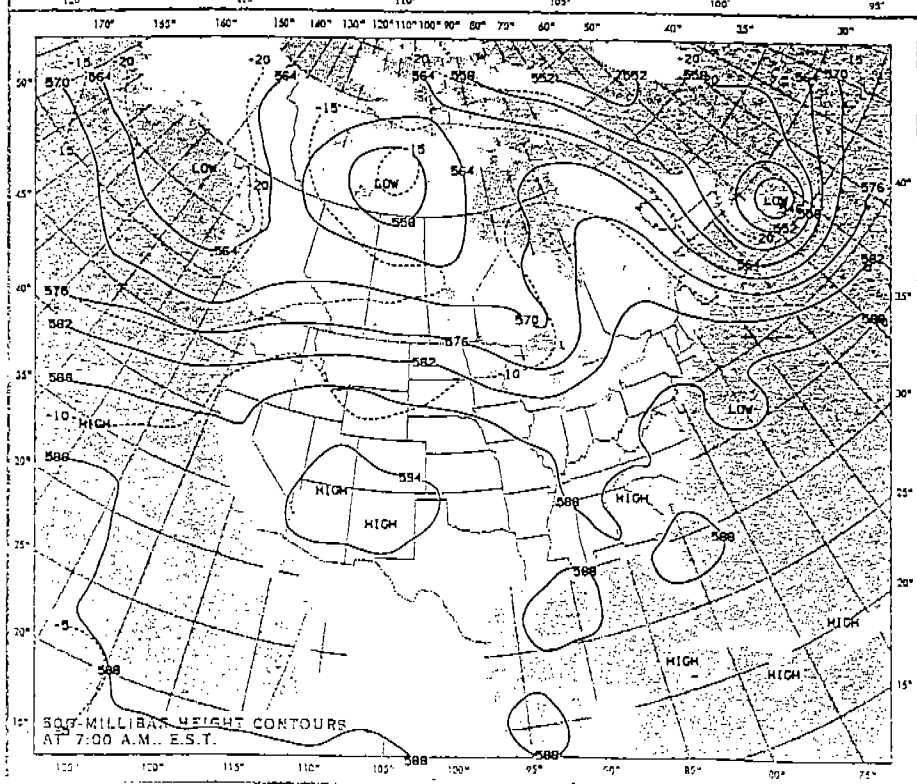
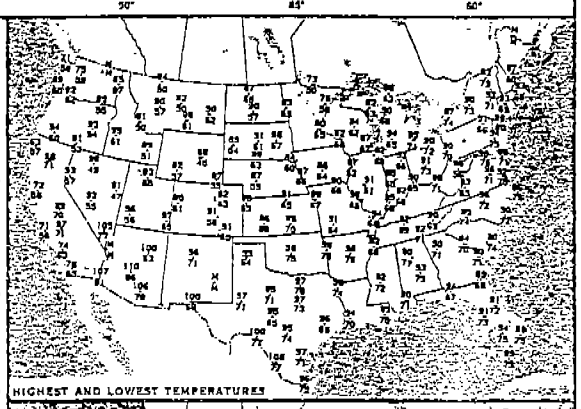
Backward Trajectories Ending- 20 UTC 15 JUL 97



TUESDAY, JULY 15, 1997







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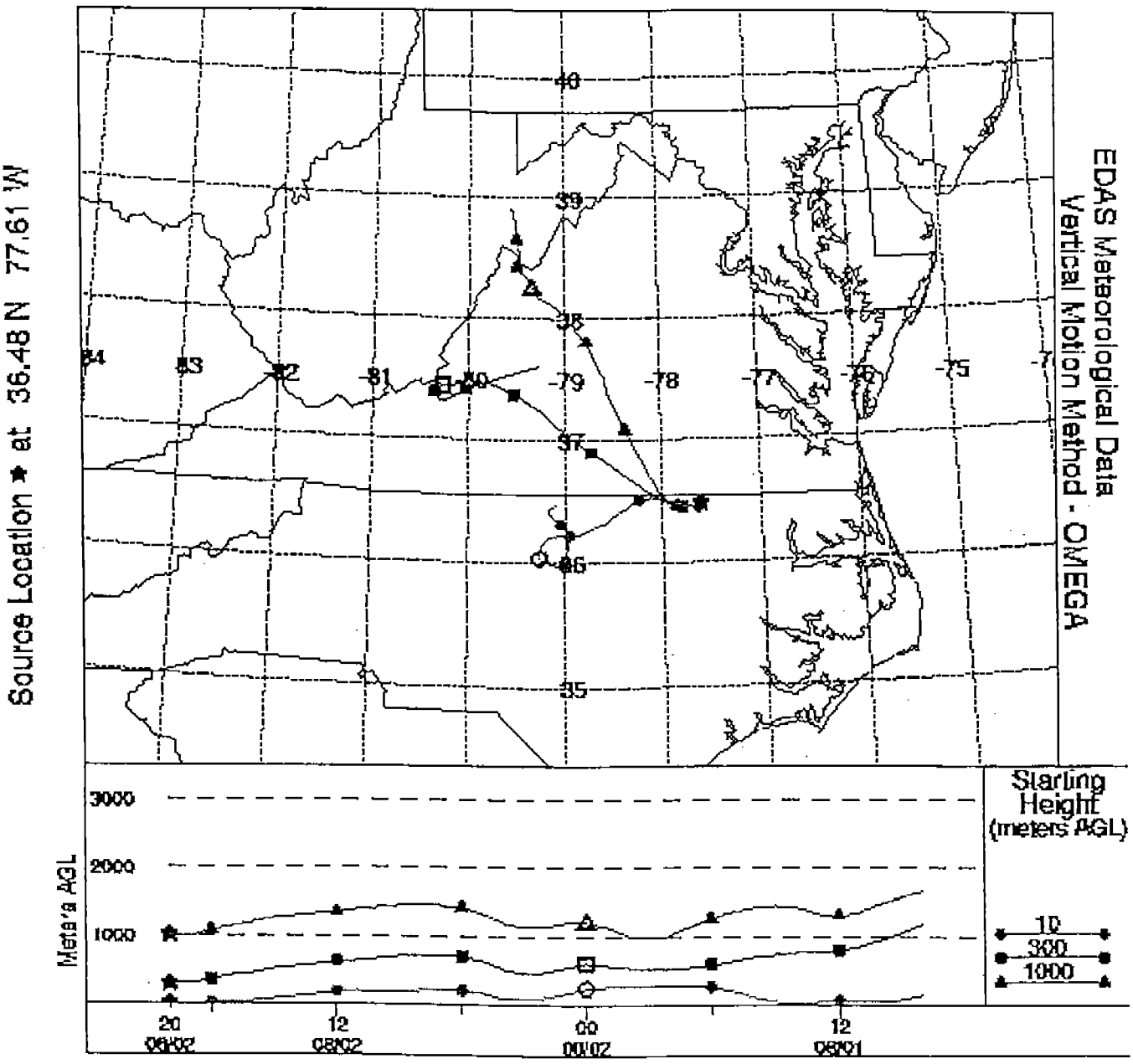
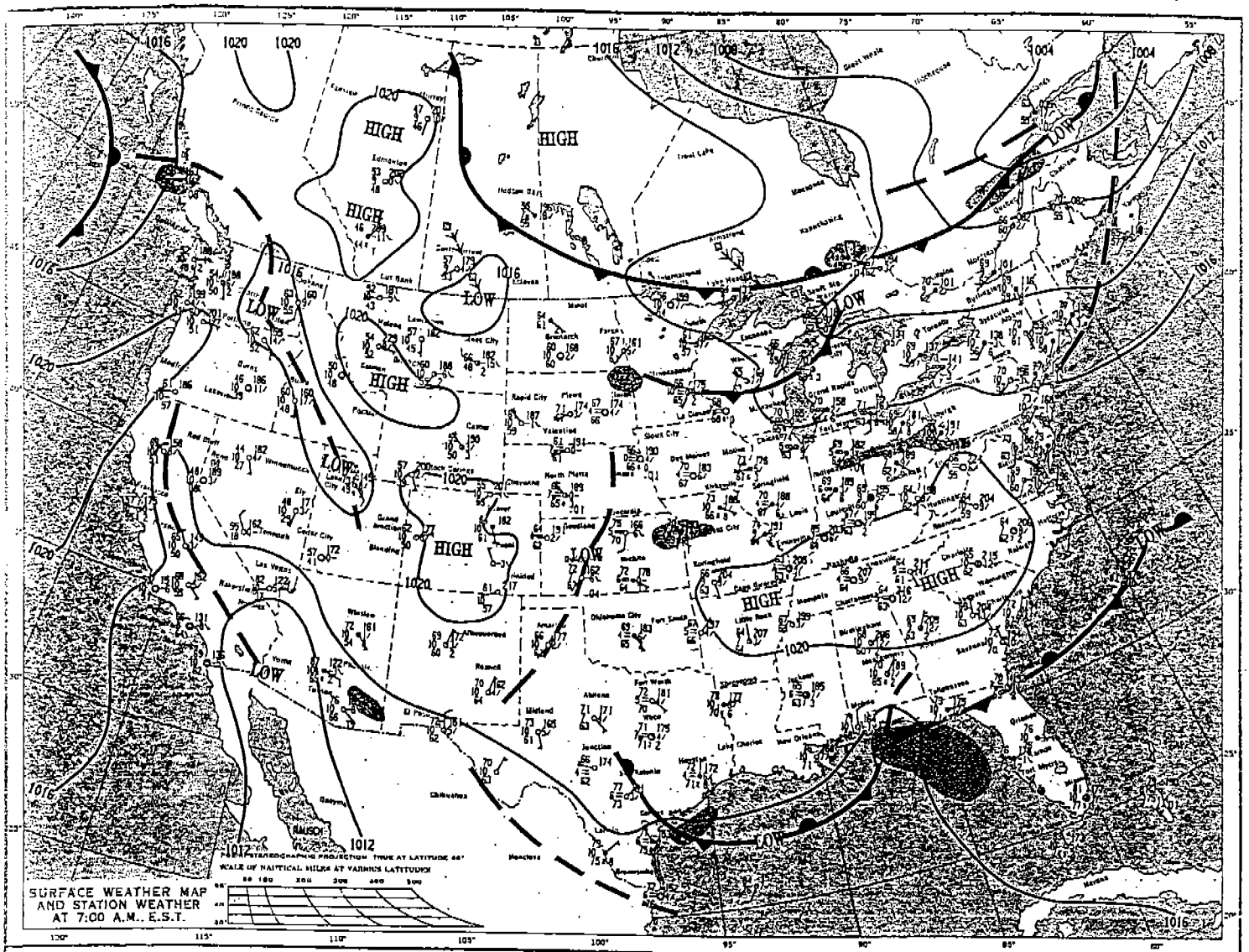
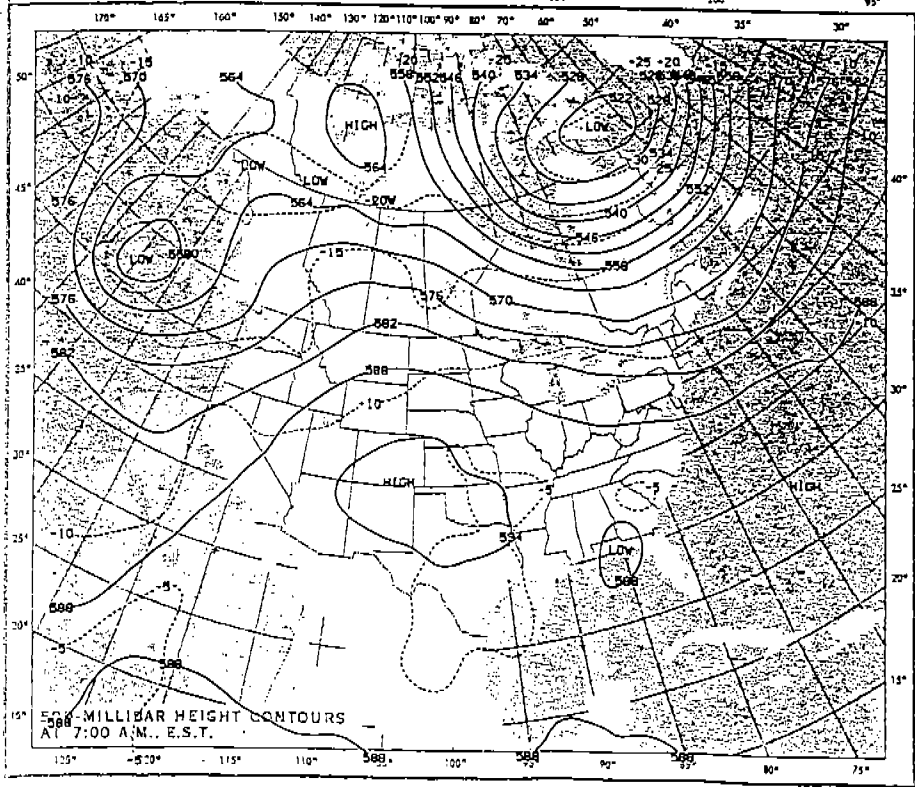
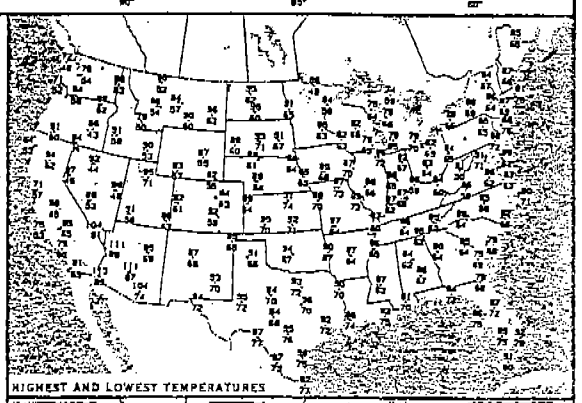
Backward Trajectories Ending- 20 UTC 02 AUG 97

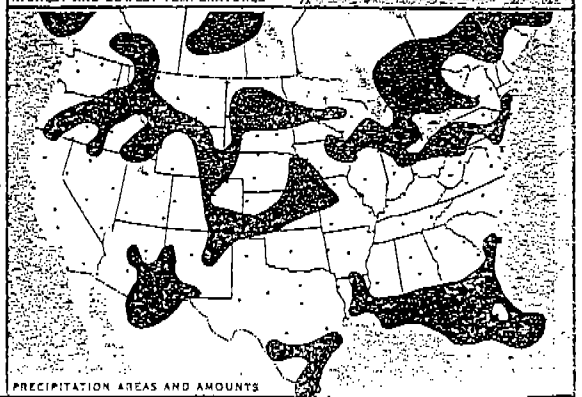


SATURDAY, AUGUST 2, 1997









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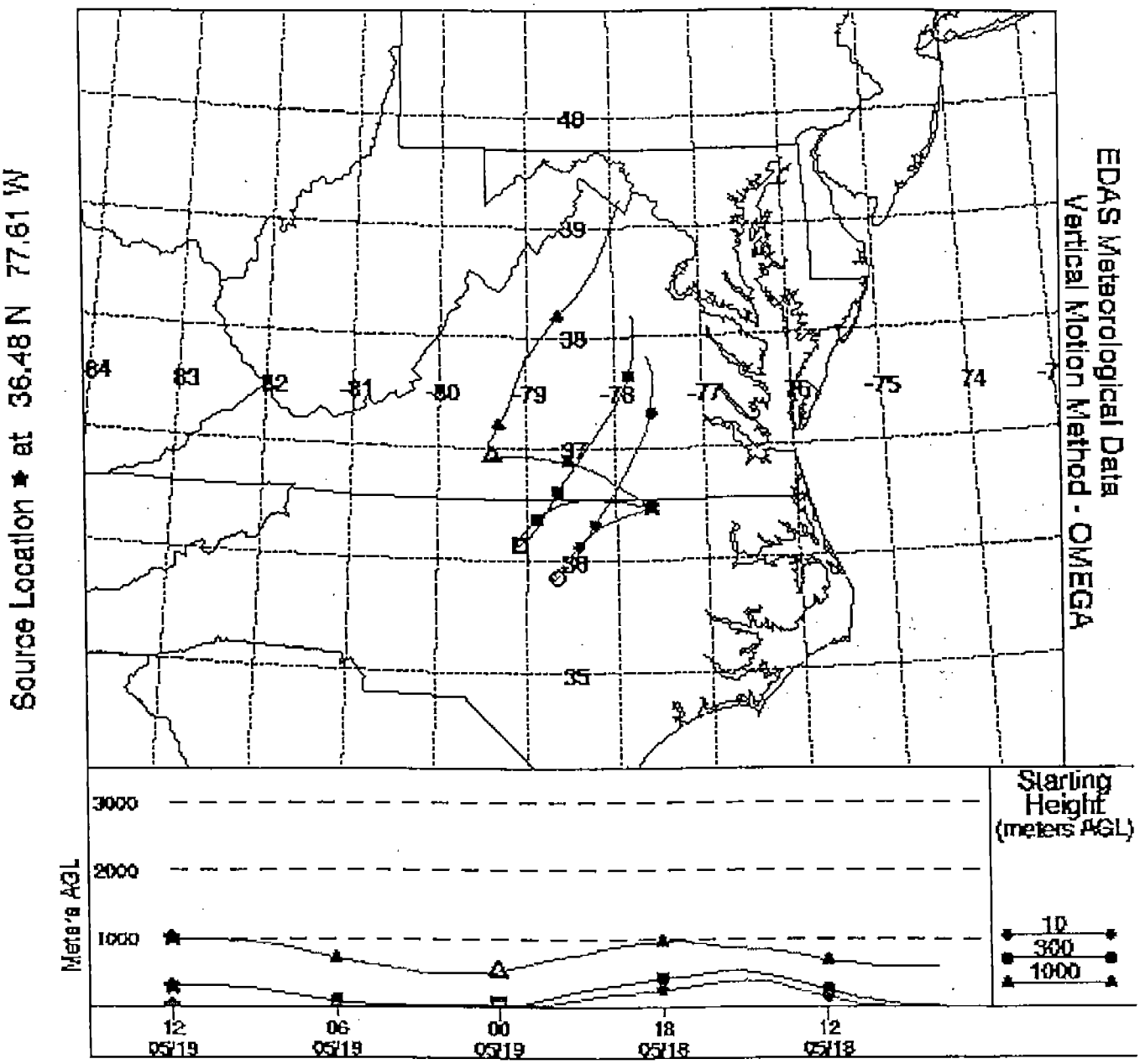
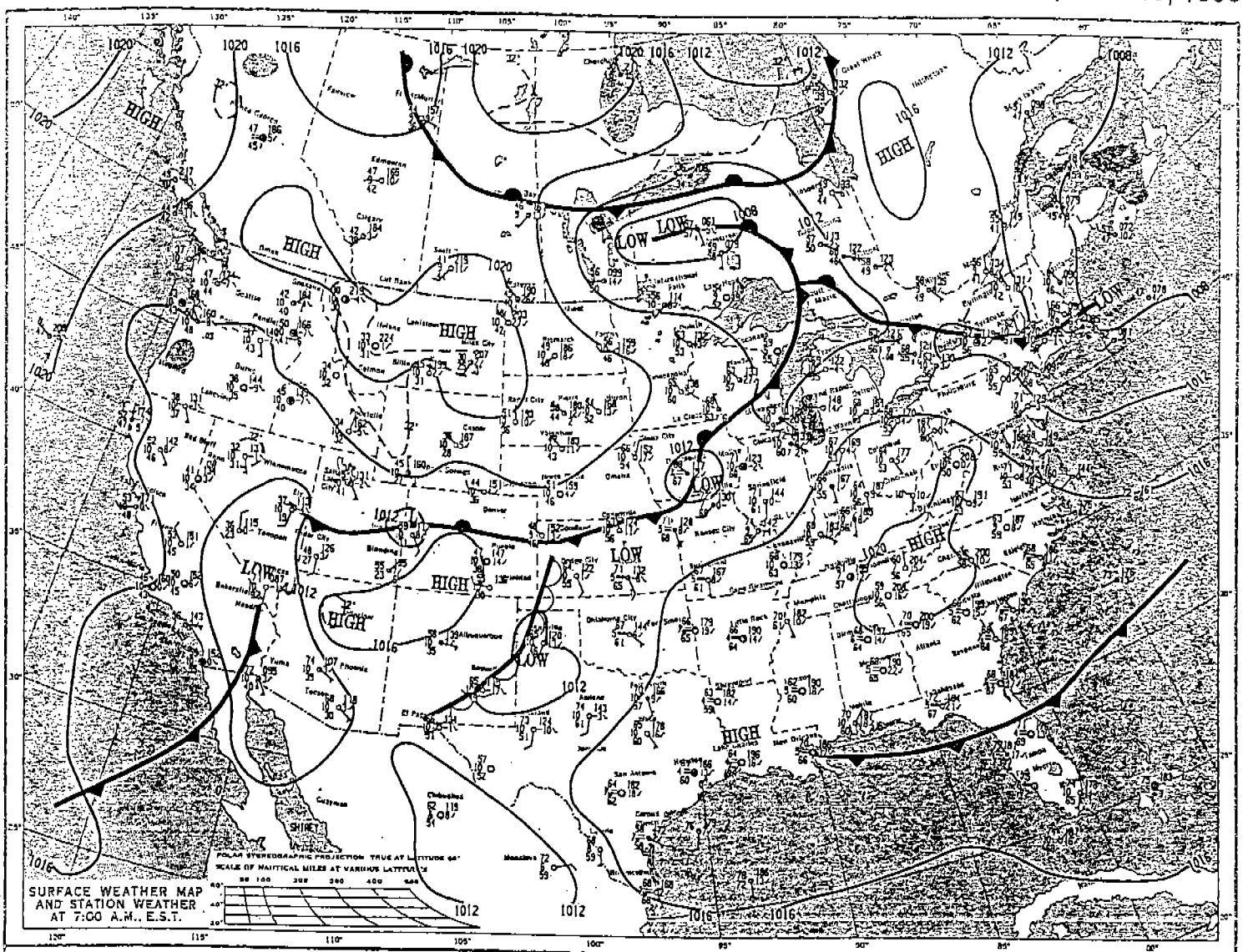
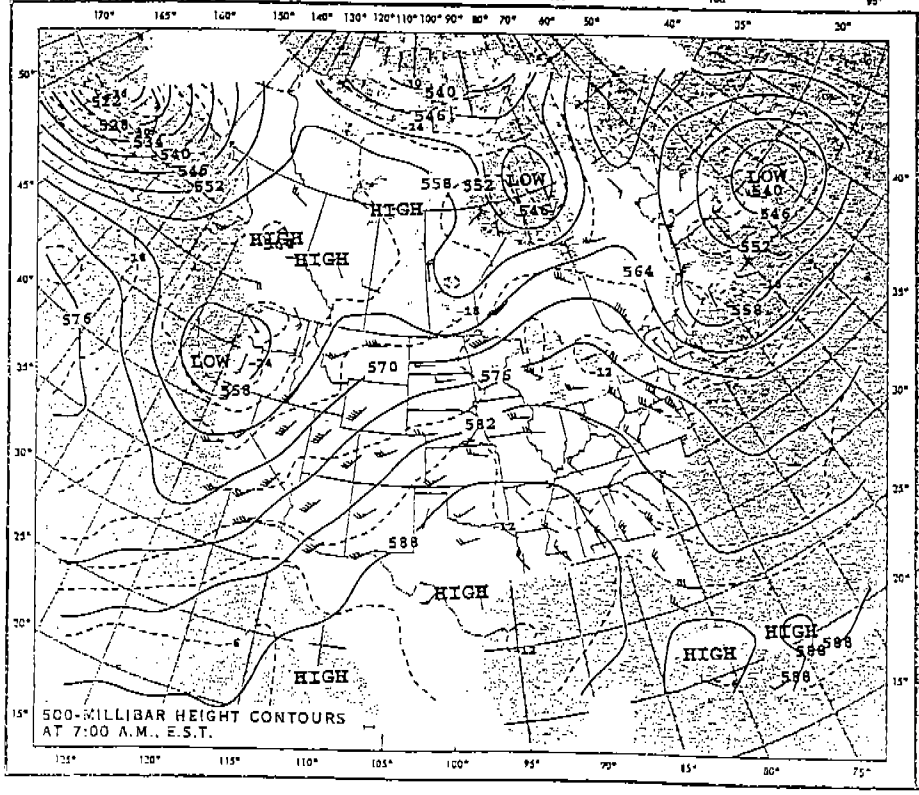
Backward Trajectories Ending- 12 UTC 19 MAY 98



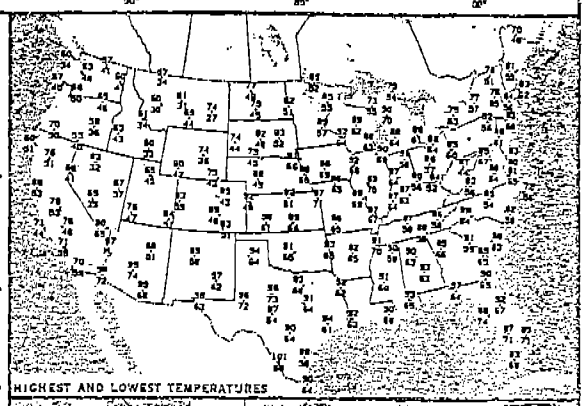
TUESDAY, MAY 19, 1998



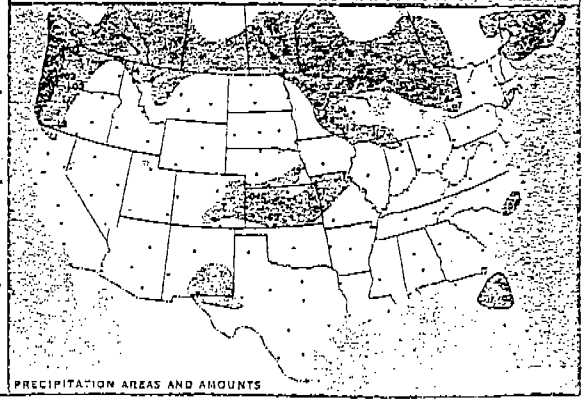
SURFACE WEATHER MAP
AND STATION WEATHER
AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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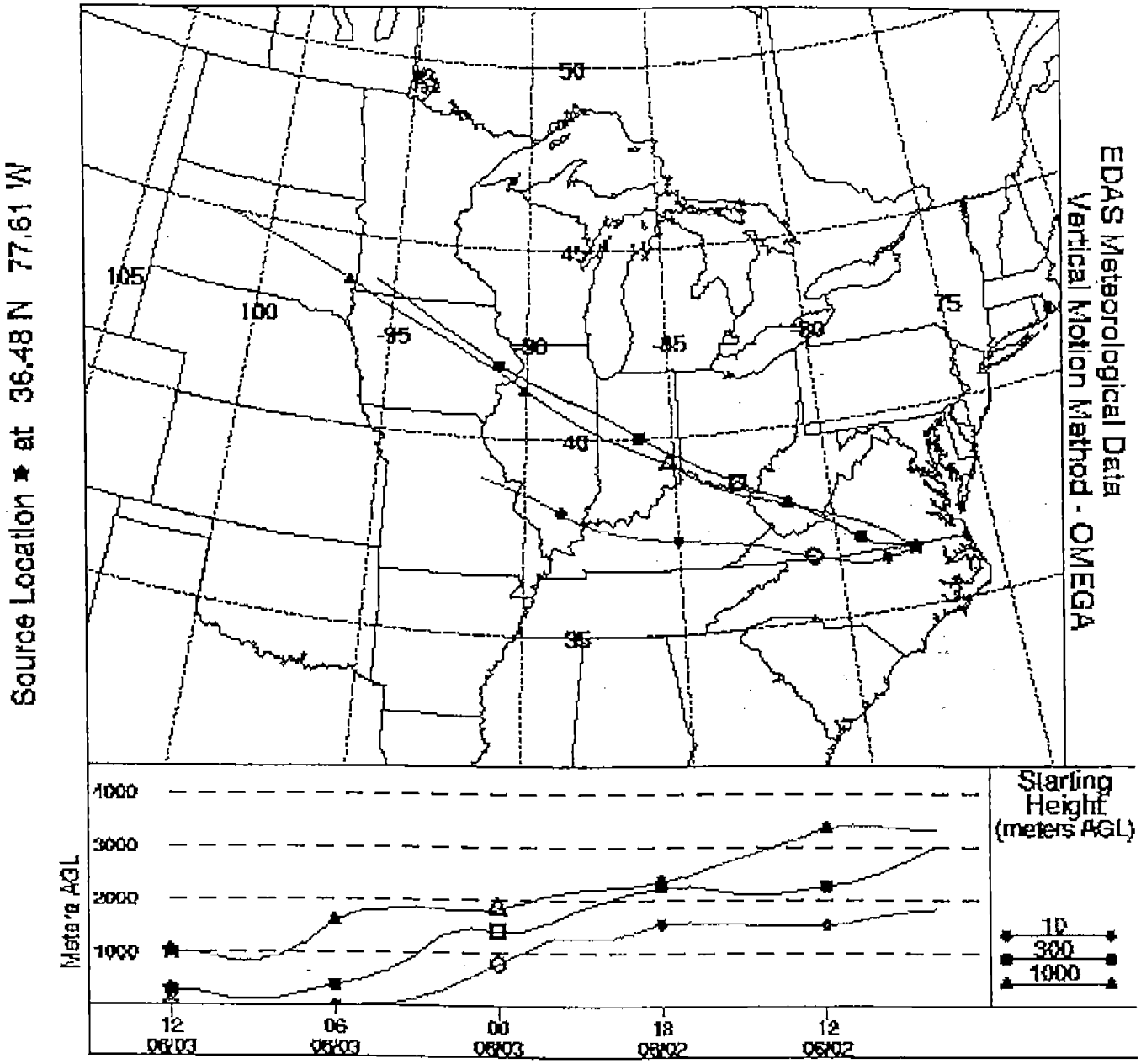
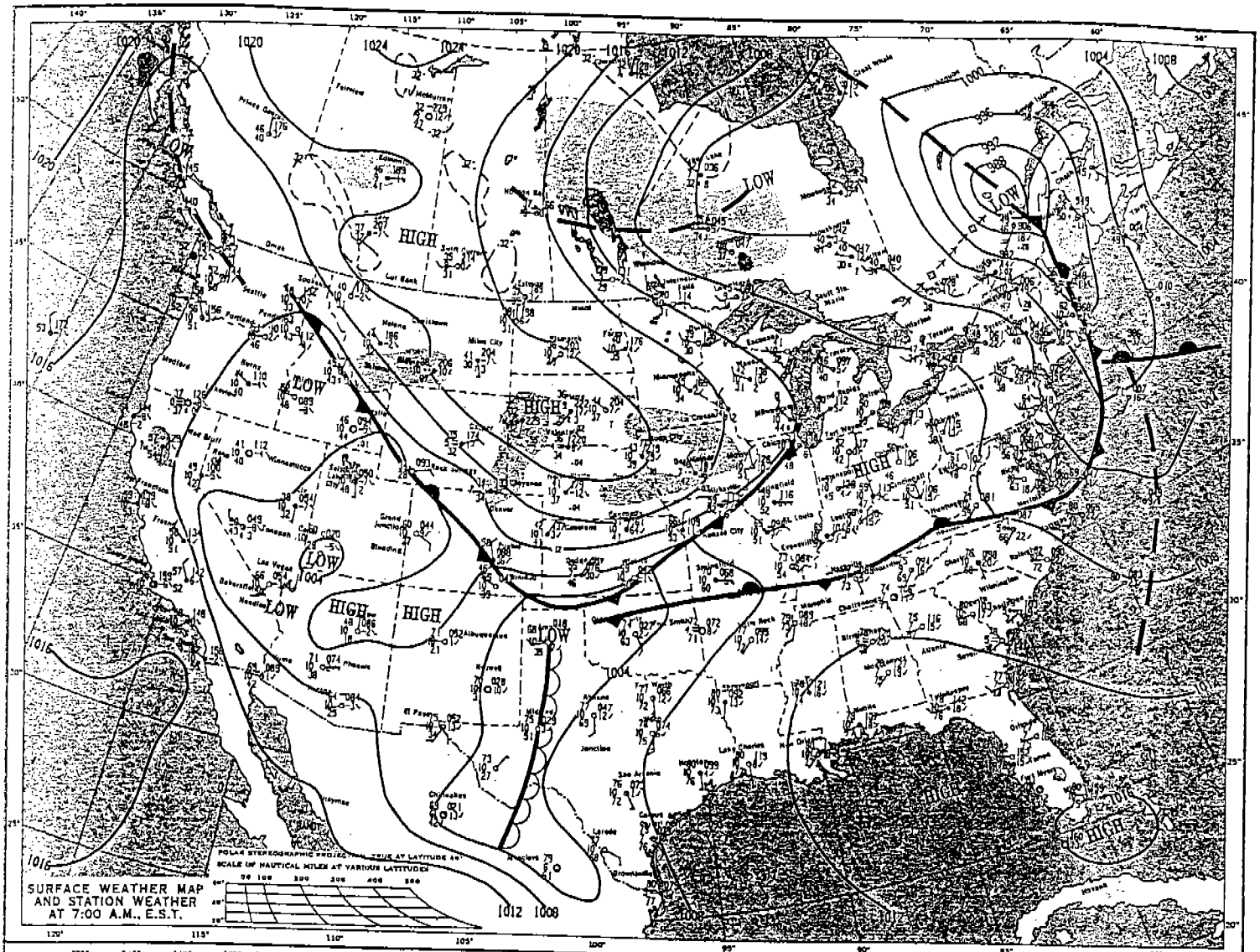
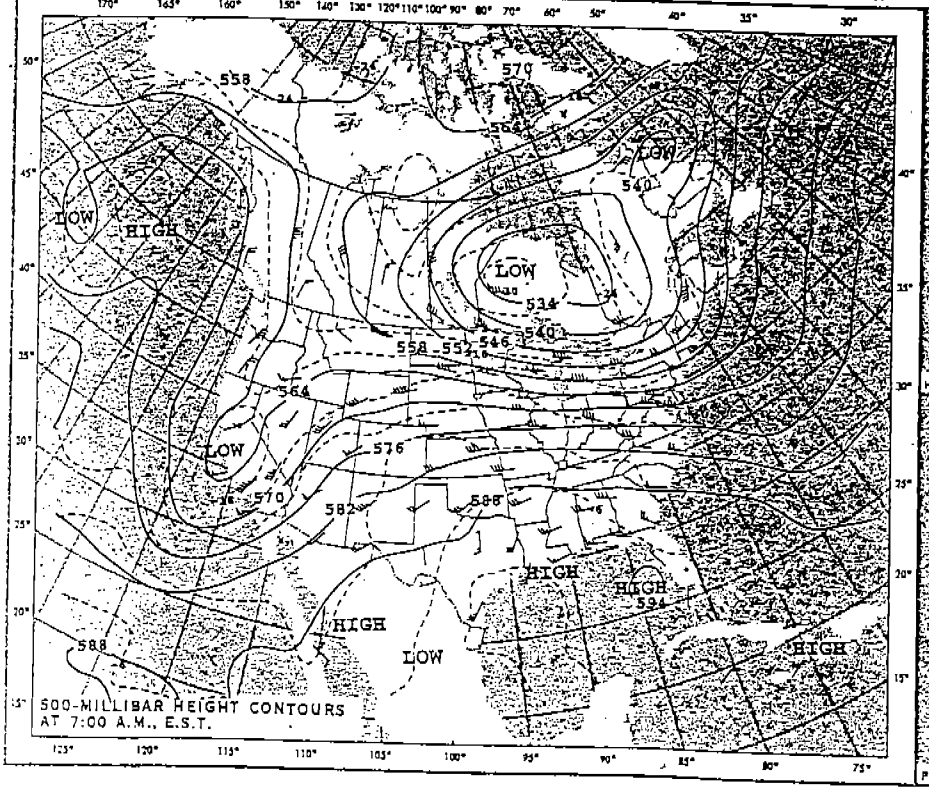
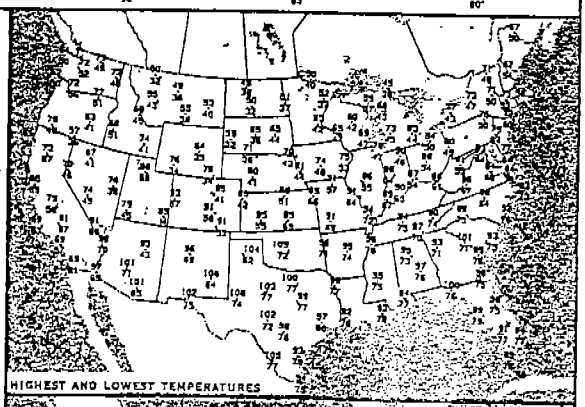
Backward Trajectories Ending- 12 UTC 03 JUN 98

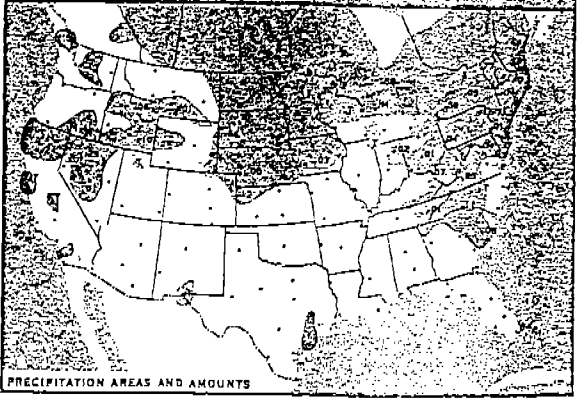


WEDNESDAY, JUNE 3, 1998









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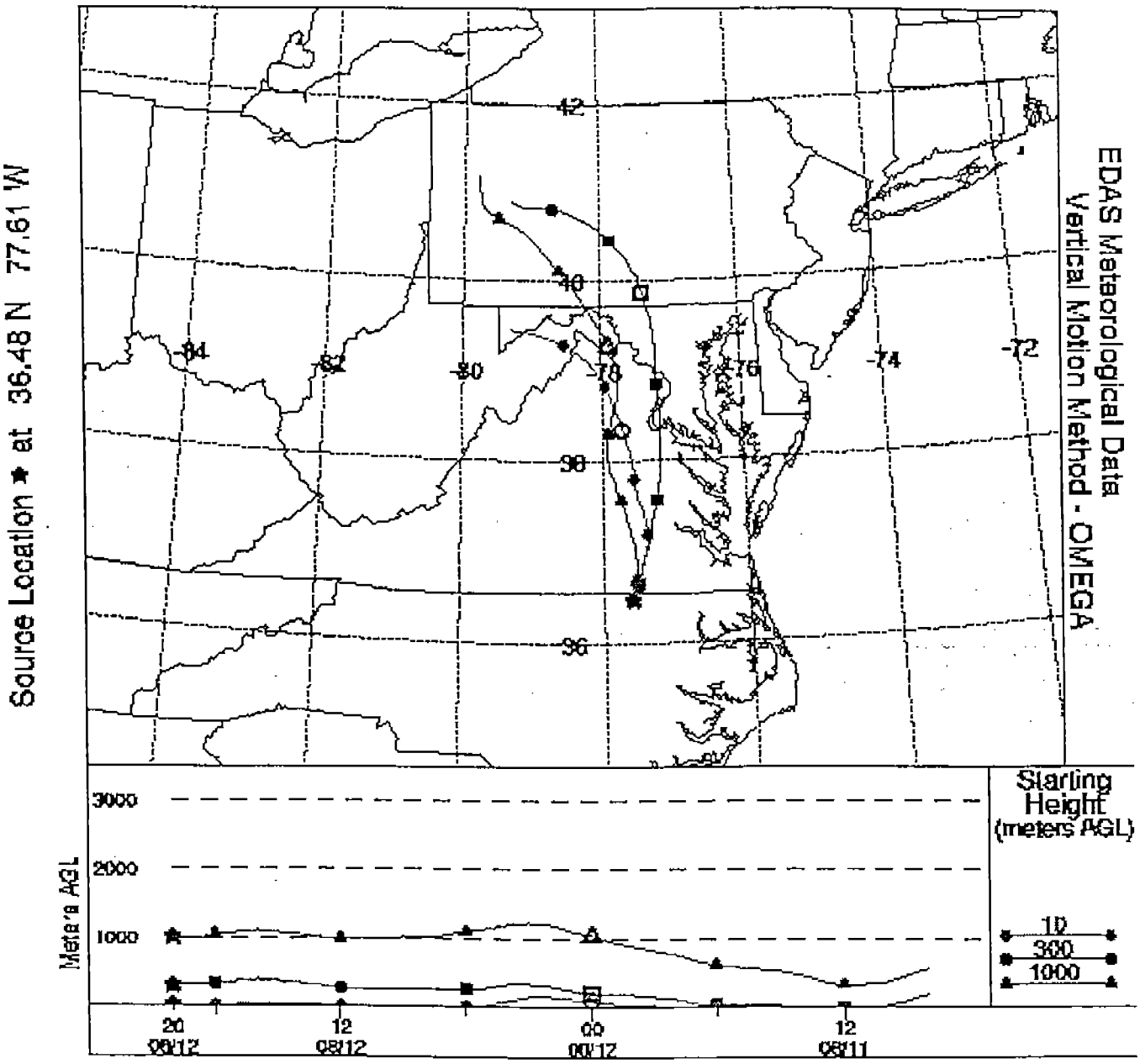
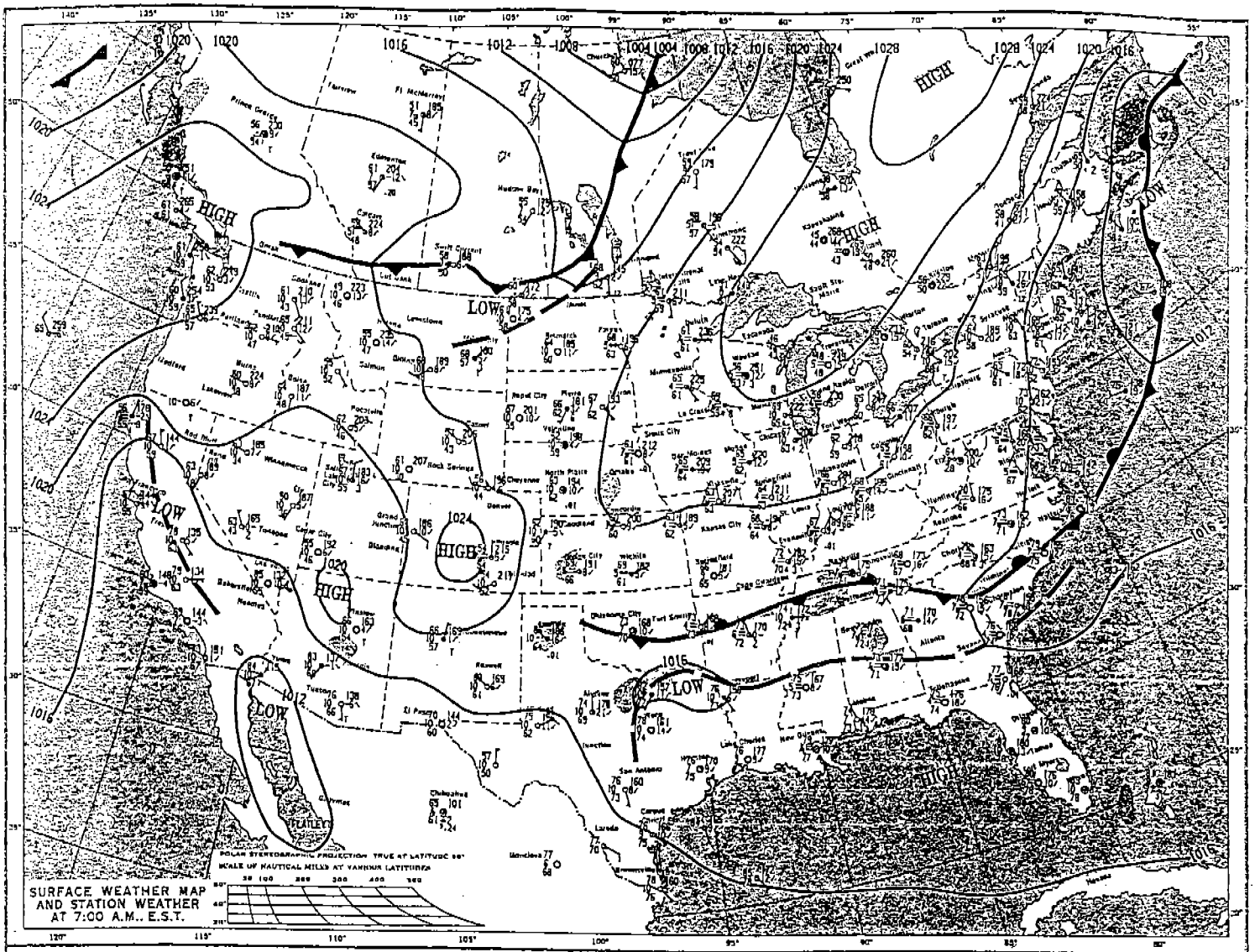
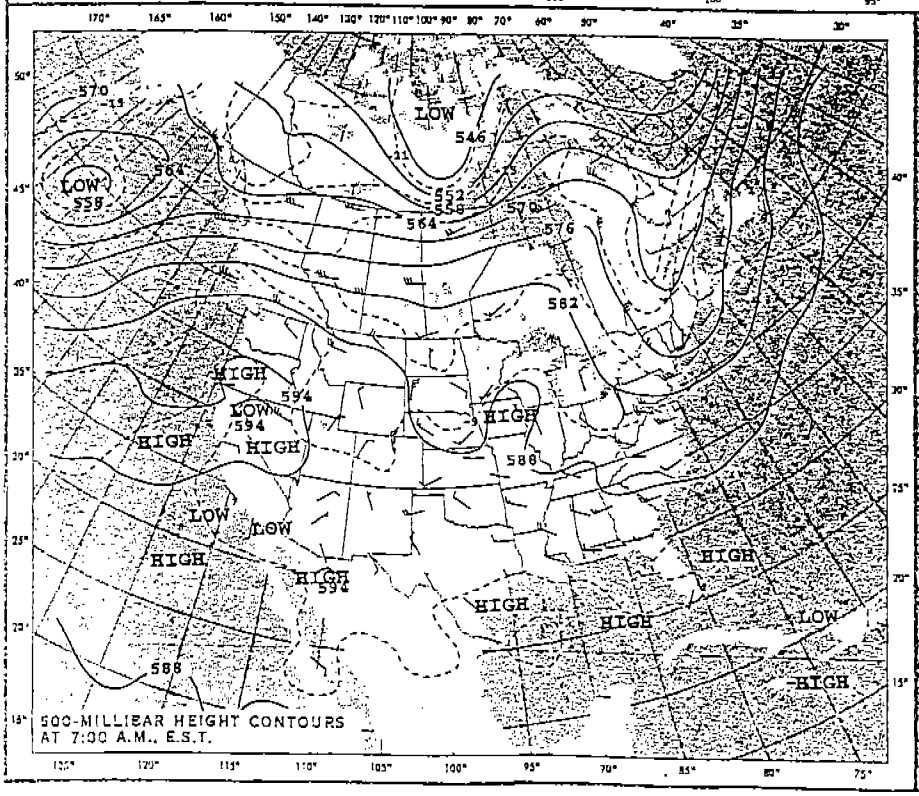
Backward Trajectories Ending- 20 UTC 12 AUG 98



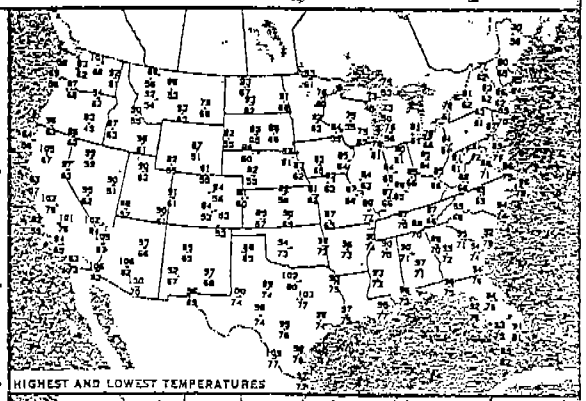
WEDNESDAY, AUGUST 12, 1998



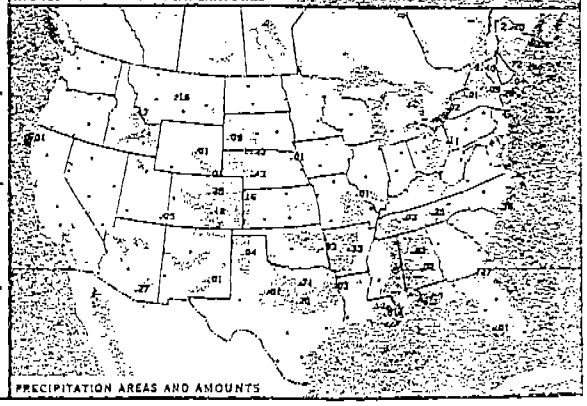
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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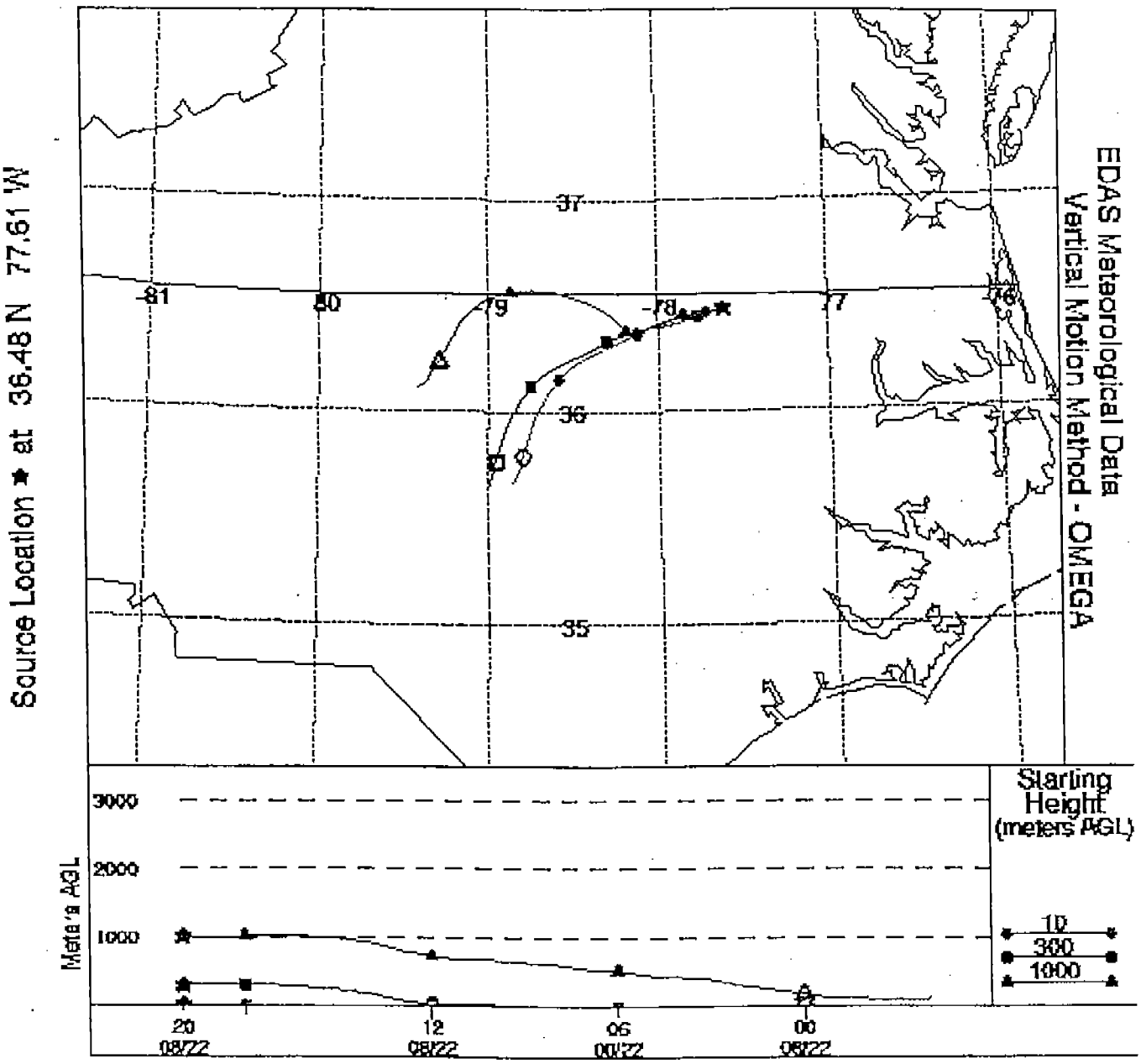
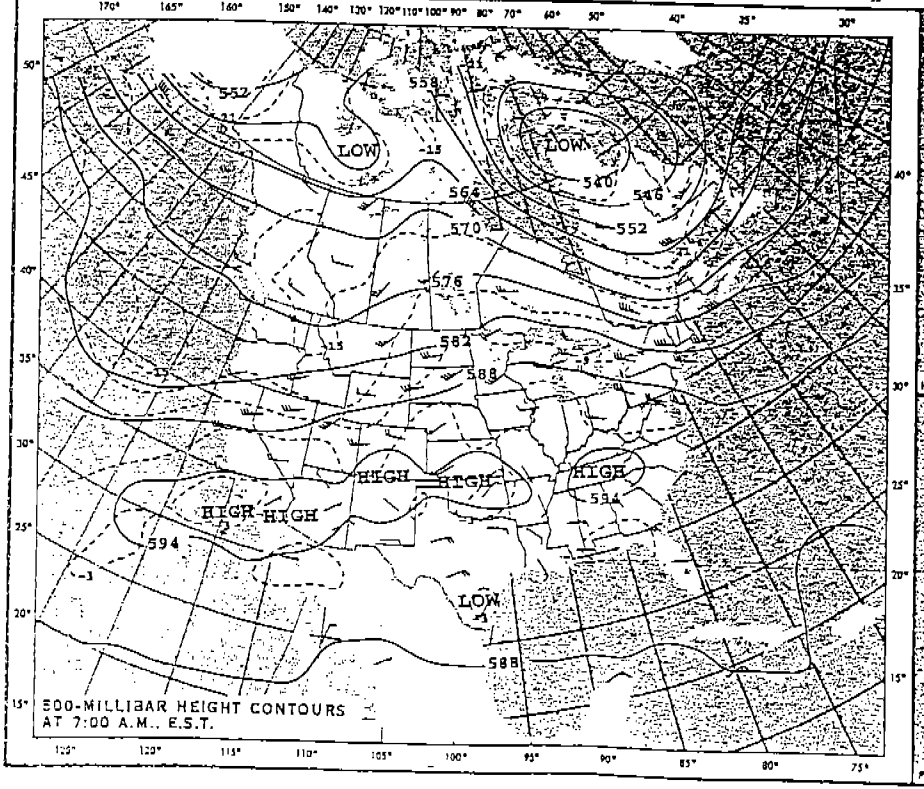
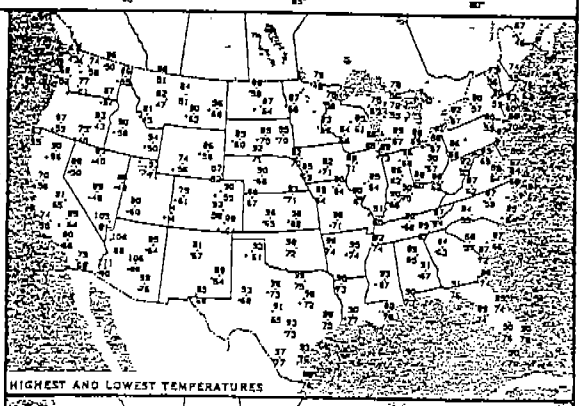
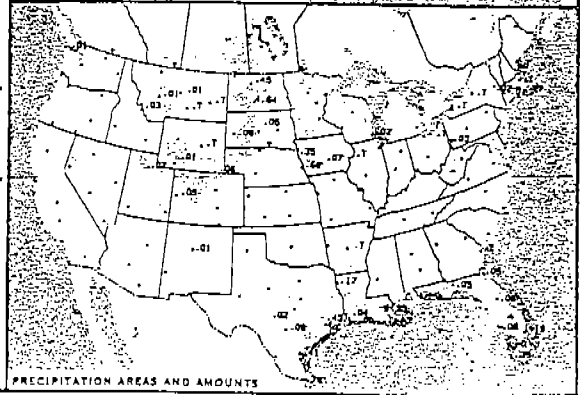
Backward Trajectories Ending- 20 UTC 22 AUG 98



SATURDAY, AUGUST 22, 1998







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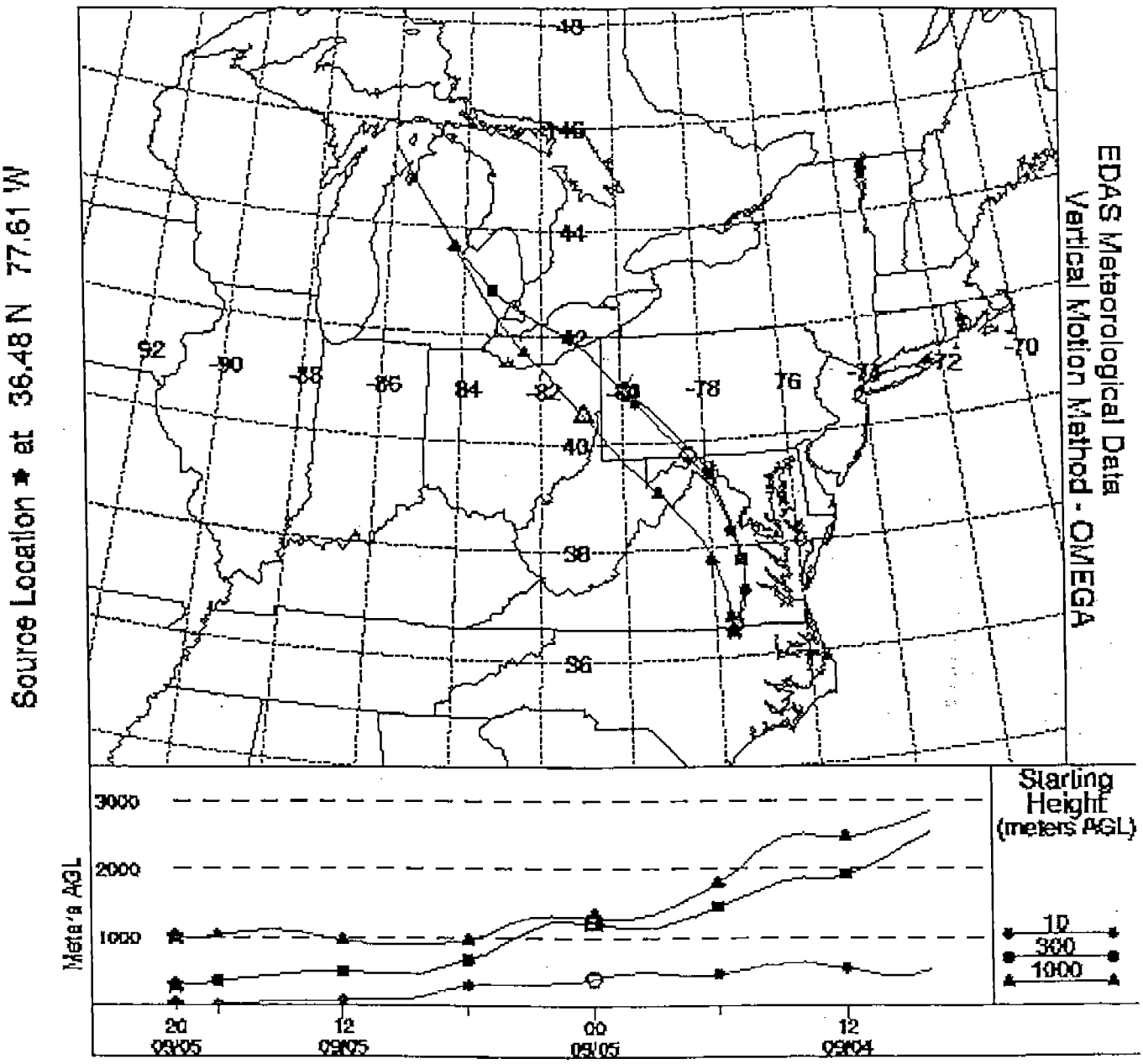
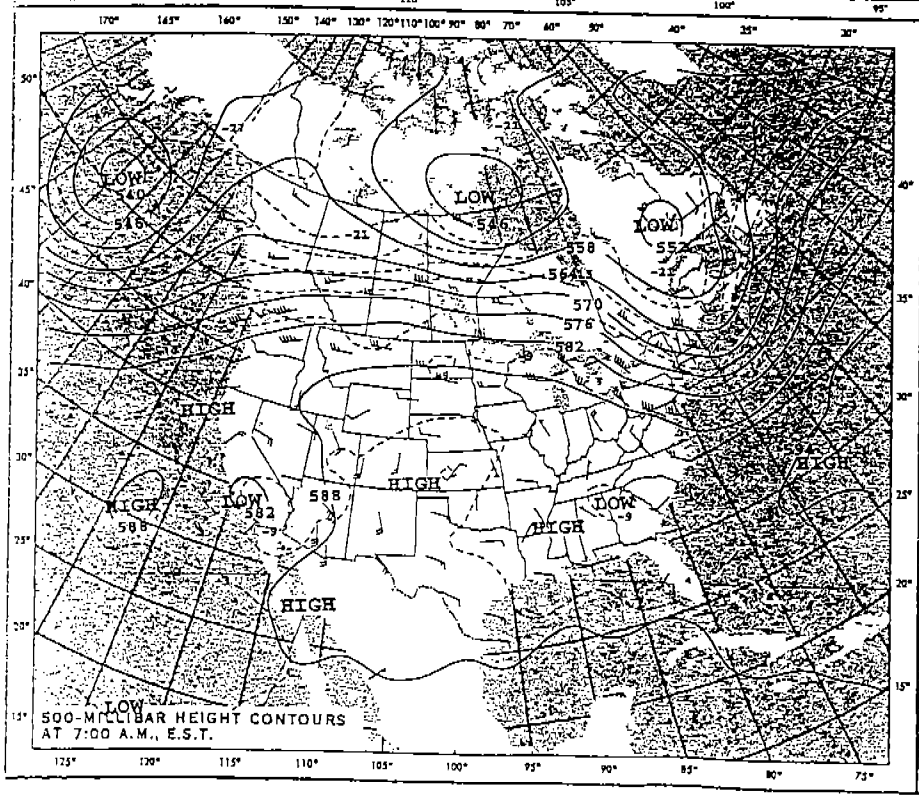
Backward Trajectories Ending- 20 UTC 05 SEP 98

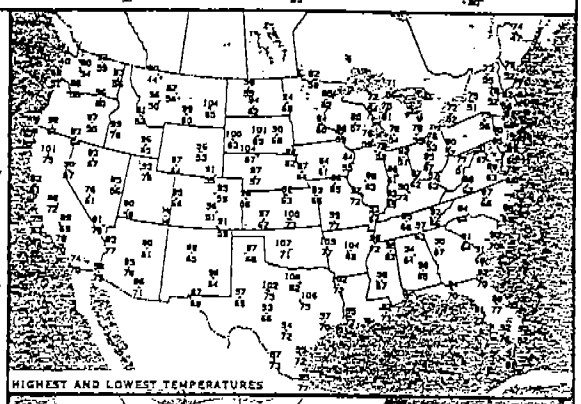


SATURDAY, SEPTEMBER 5, 1998

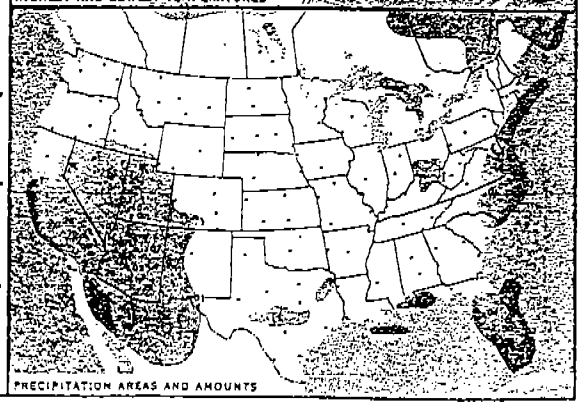
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS

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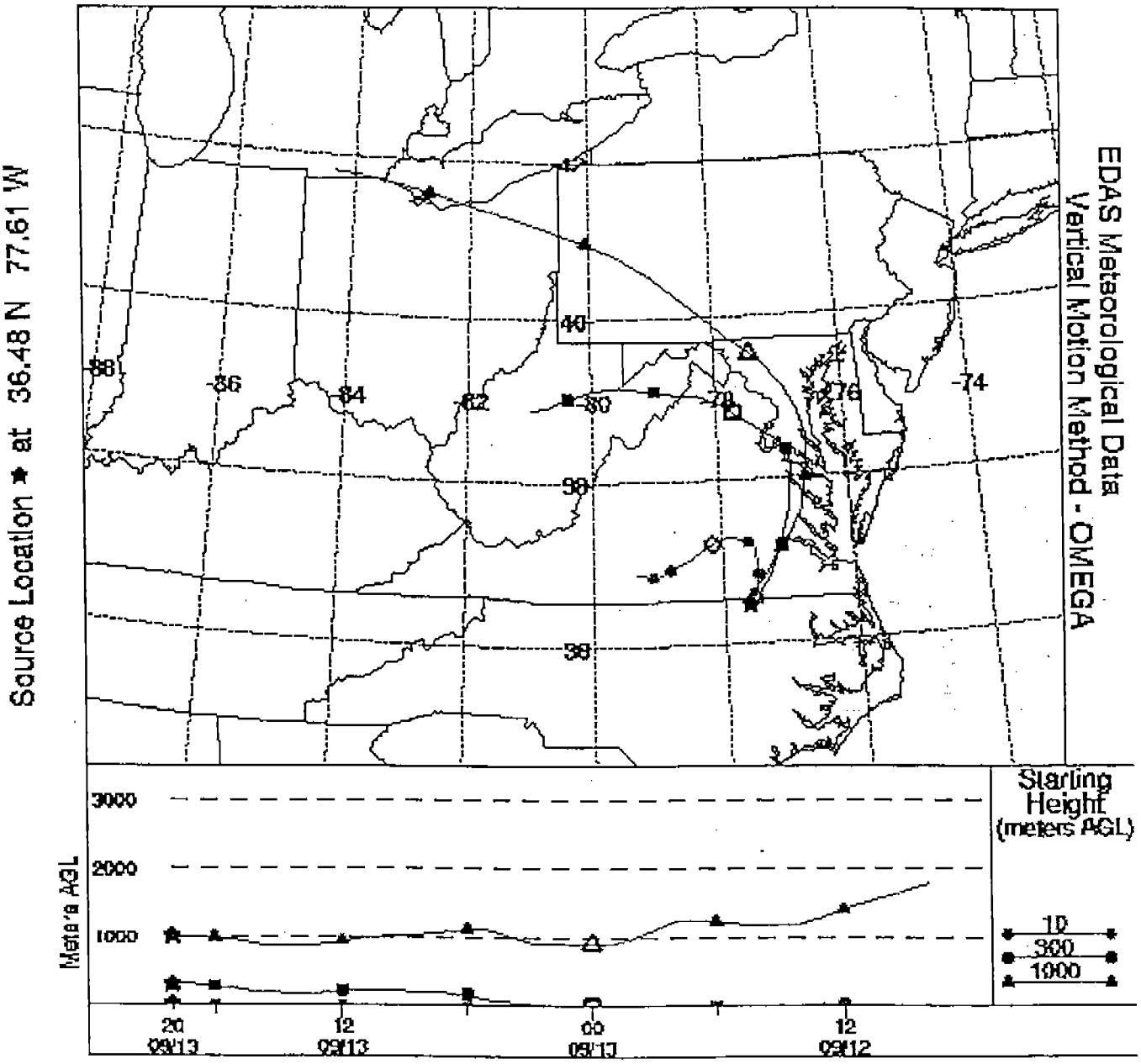
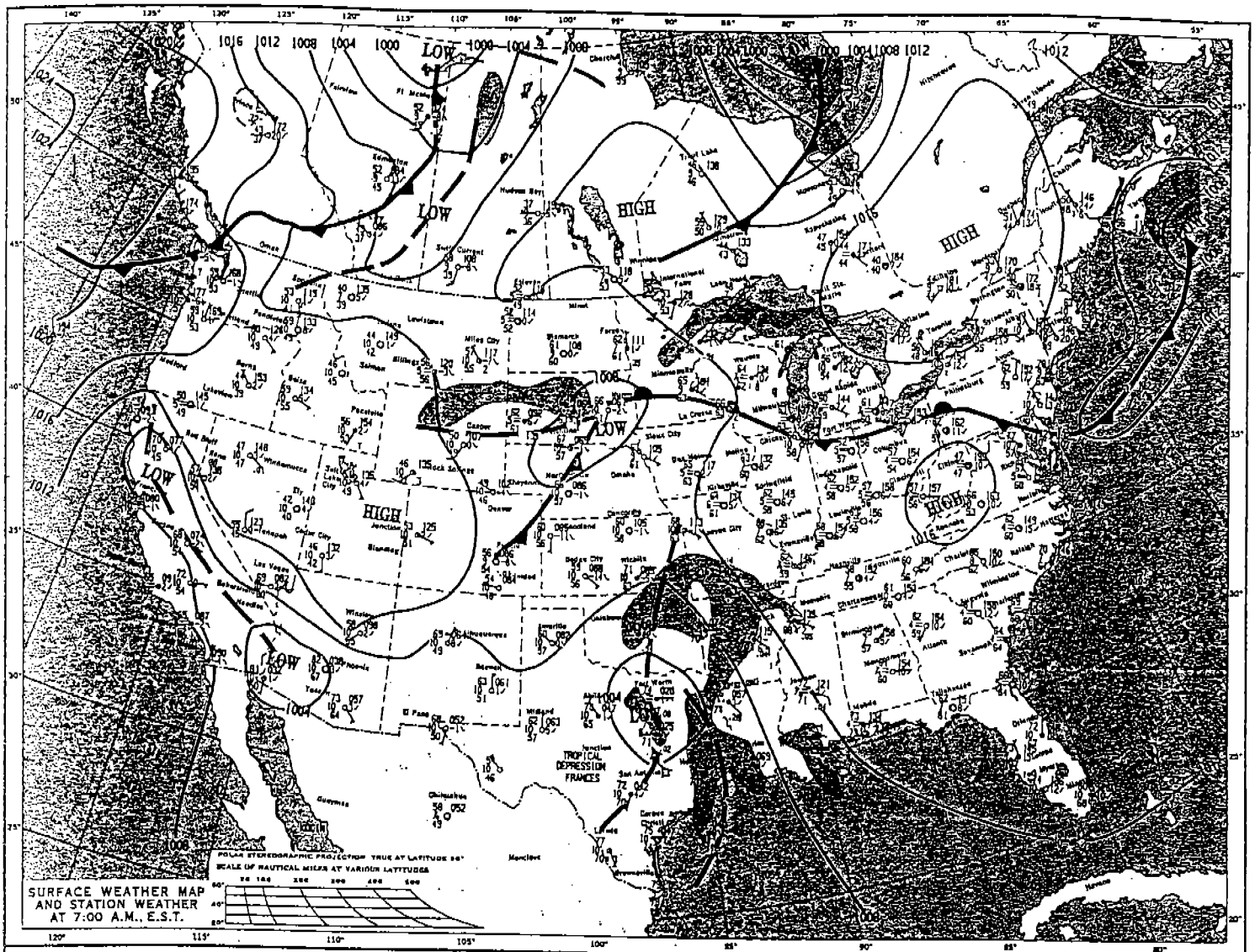
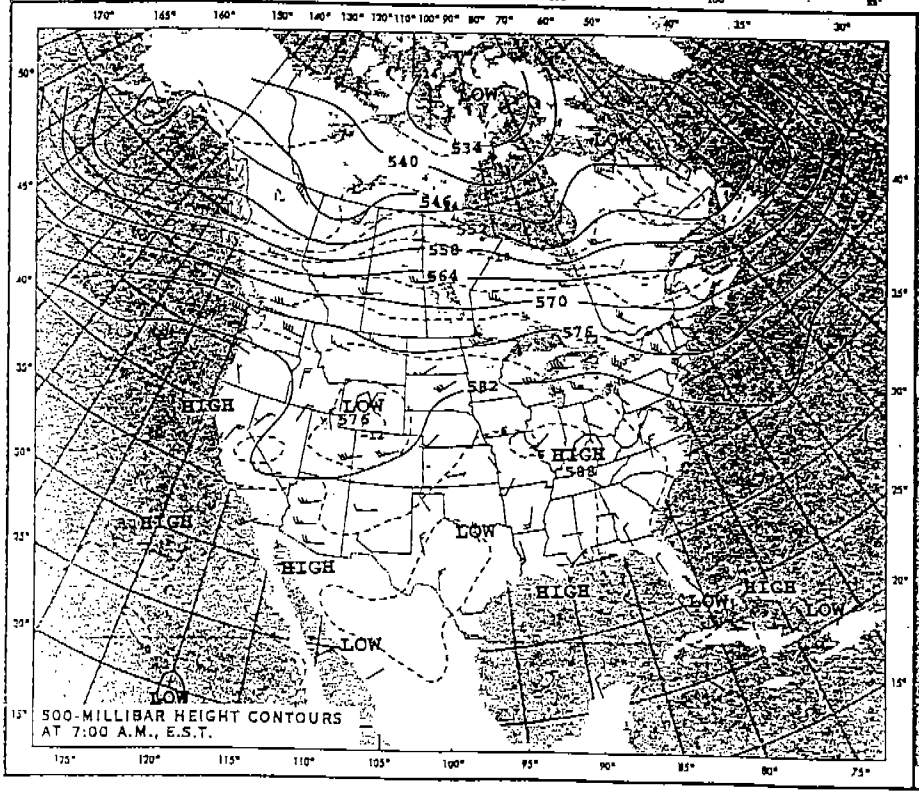
Backward Trajectories Ending- 20 UTC 13 SEP 98



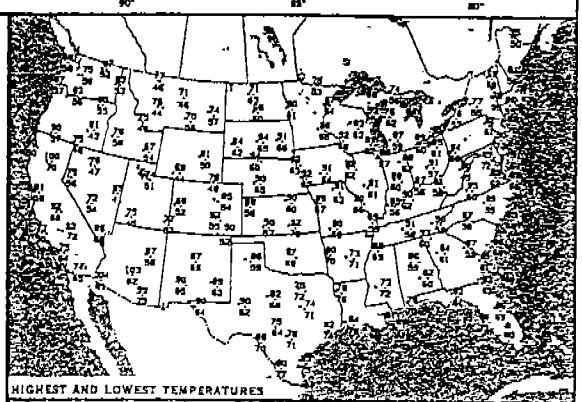
SUNDAY, SEPTEMBER 13, 1998



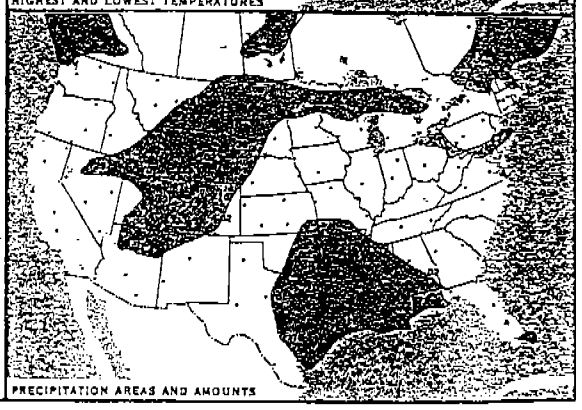
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



PRECIPITATION AREAS AND AMOUNTS