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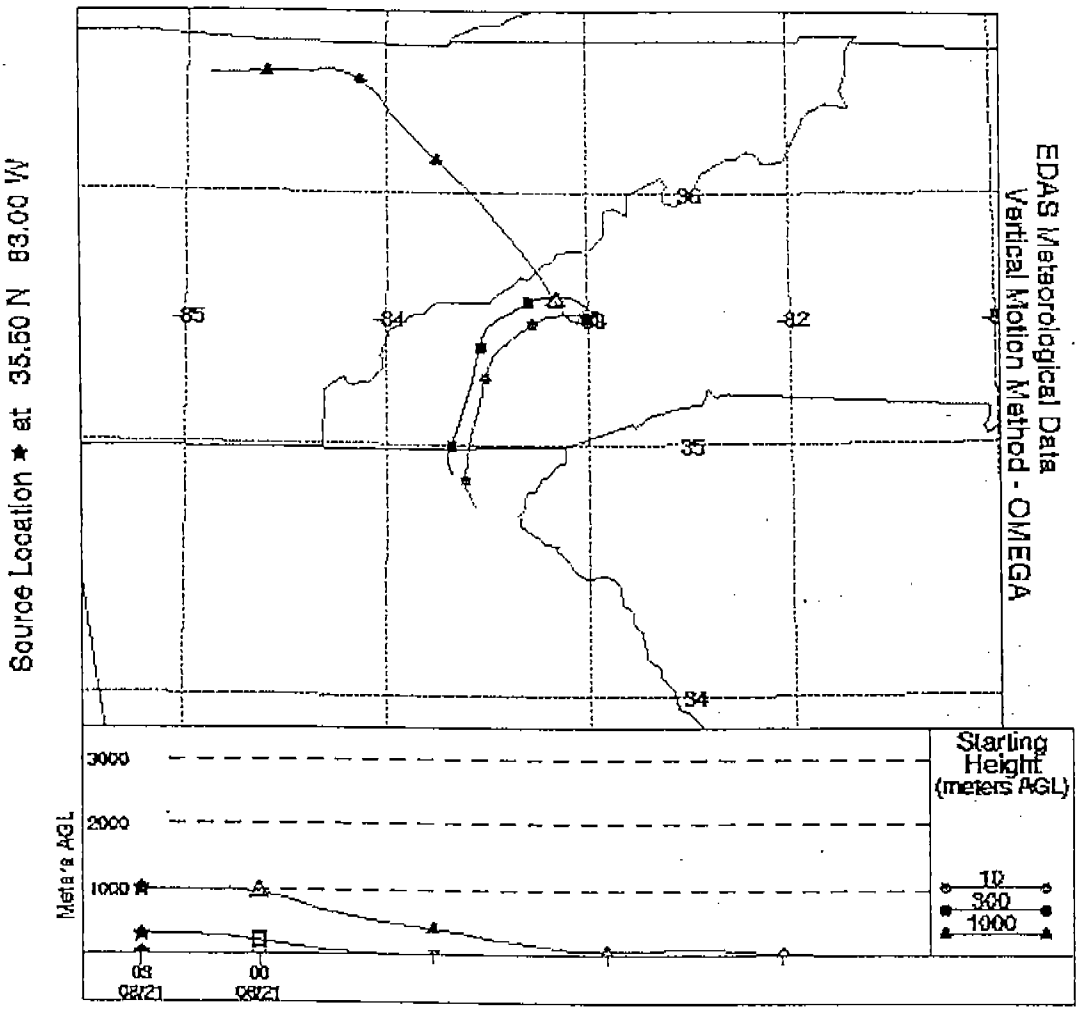
Backward Trajectories Ending- 03 UTC 21 AUG 99



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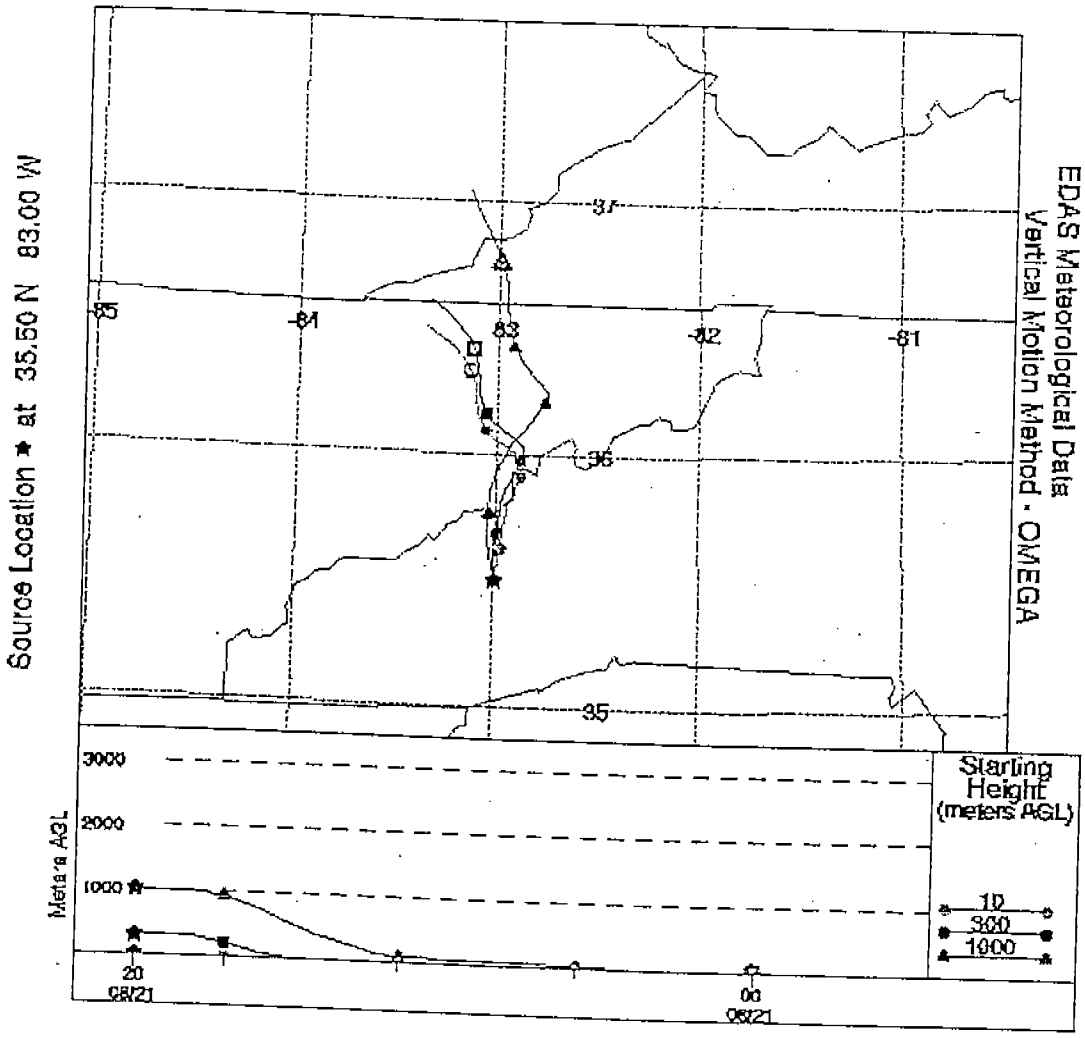
Backward Trajectories Ending- 20 UTC 21 AUG 99



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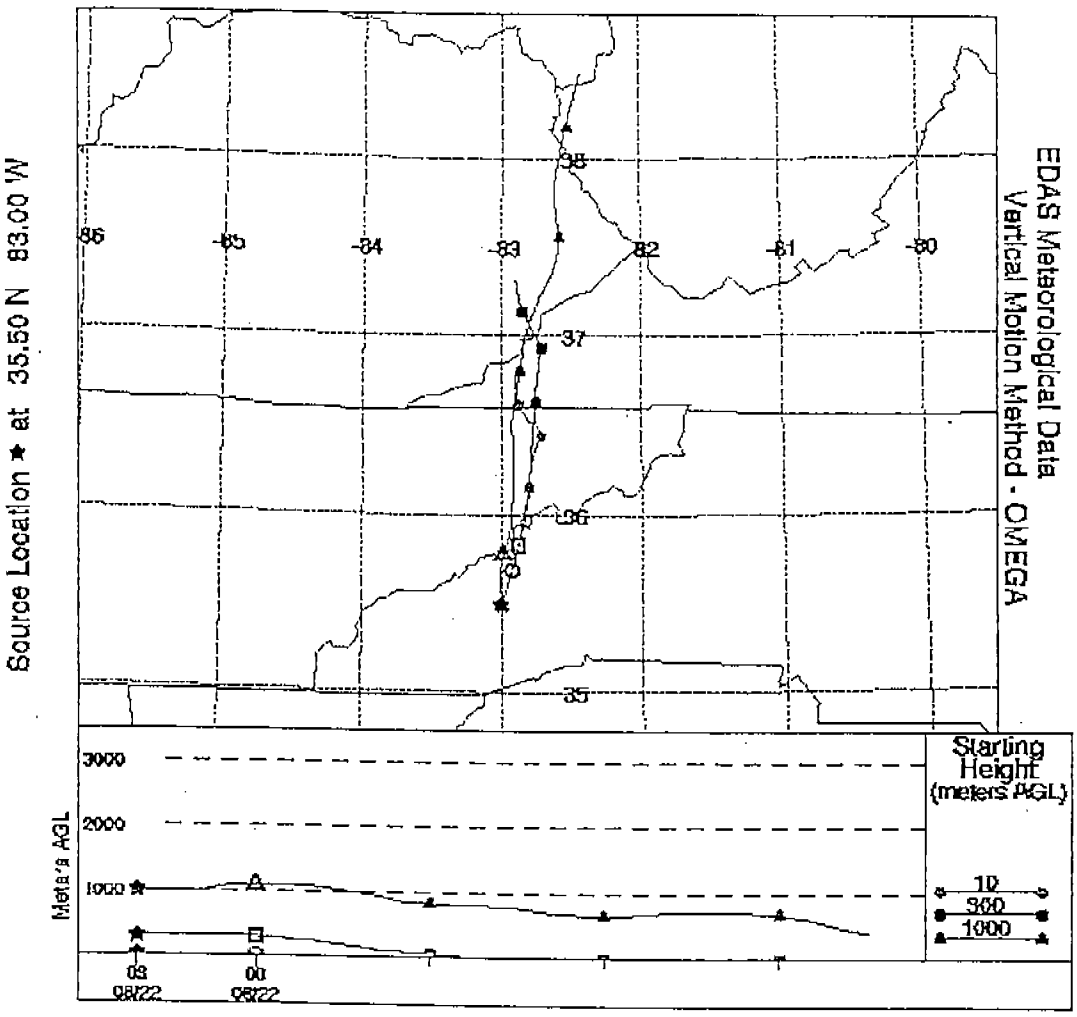
Backward Trajectories Ending- 03 UTC 22 AUG 99



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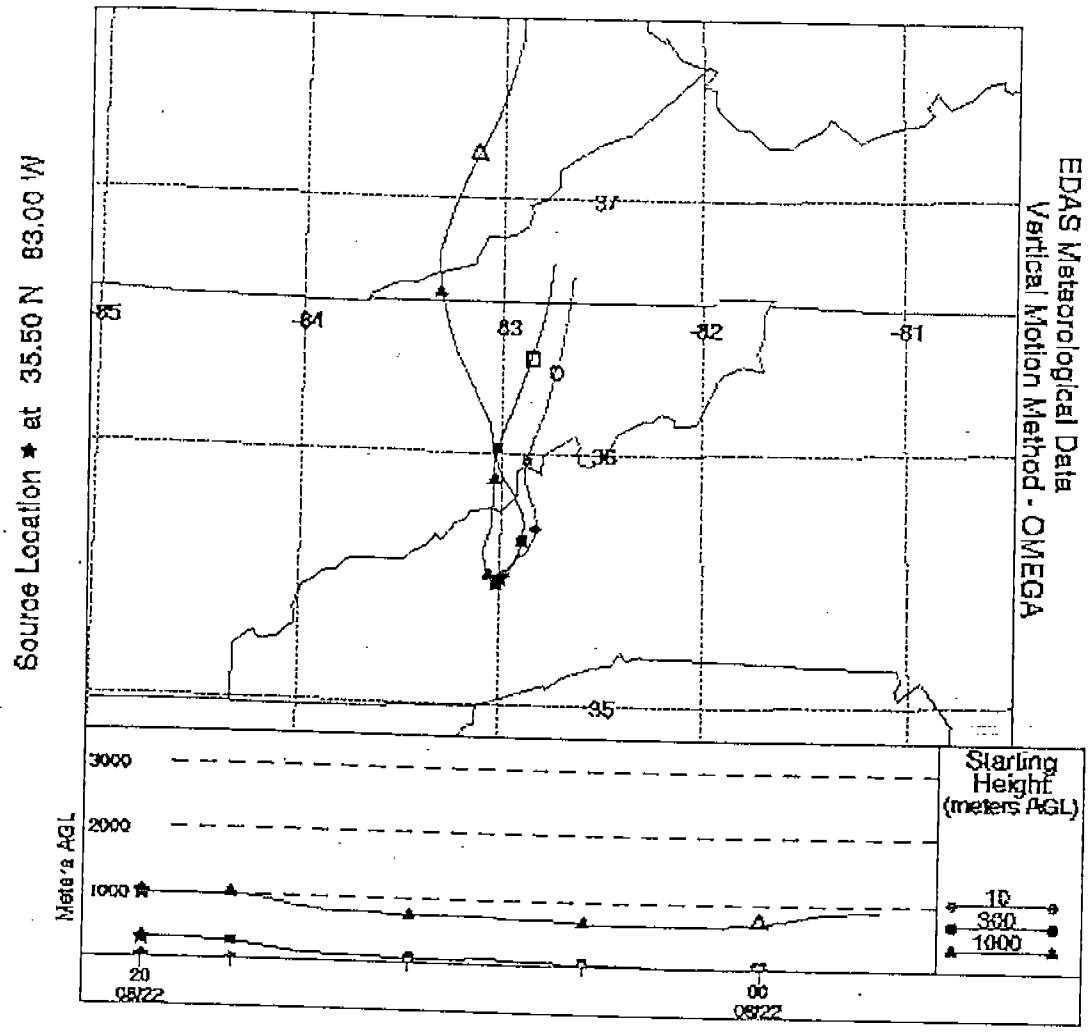
Backward Trajectories Ending- 20 UTC 22 AUG 99



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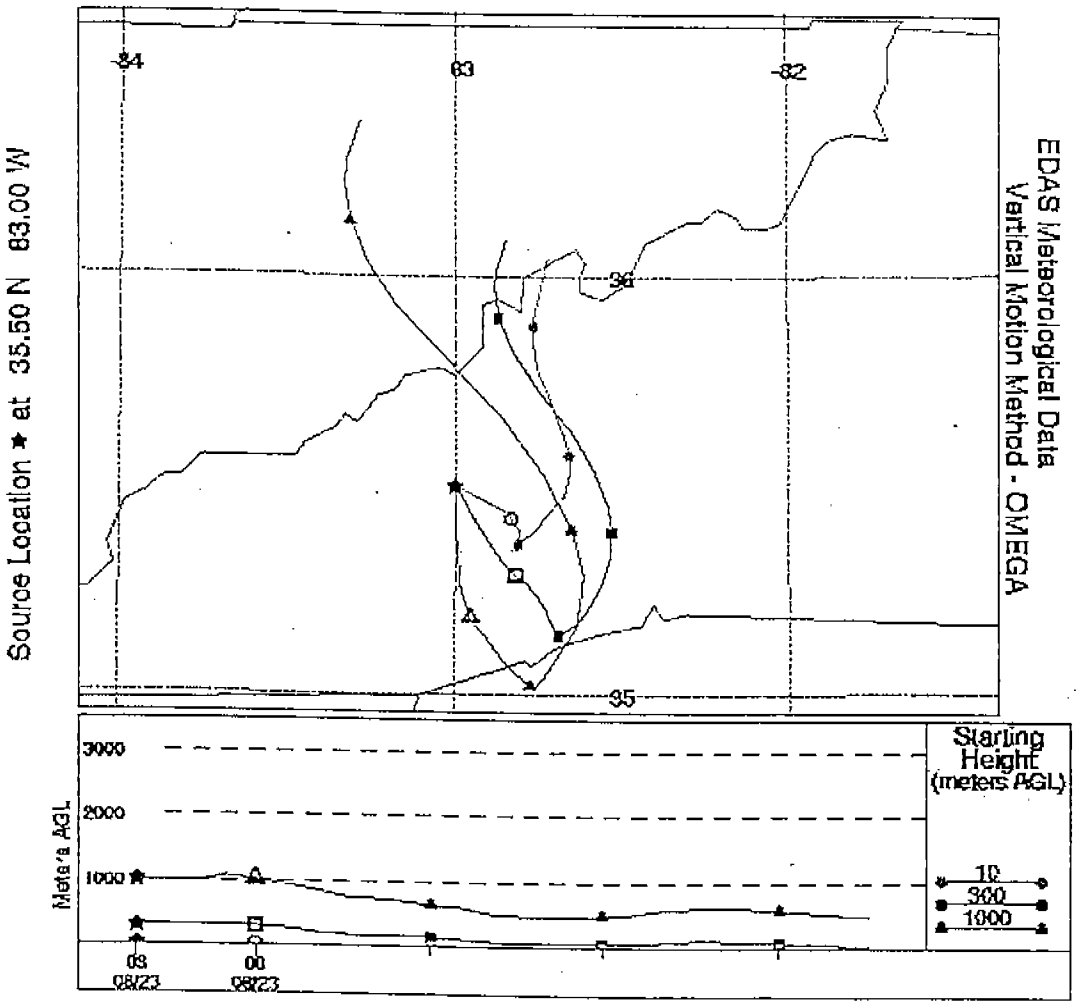
Backward Trajectories Ending- 03 UTC 23 AUG 99



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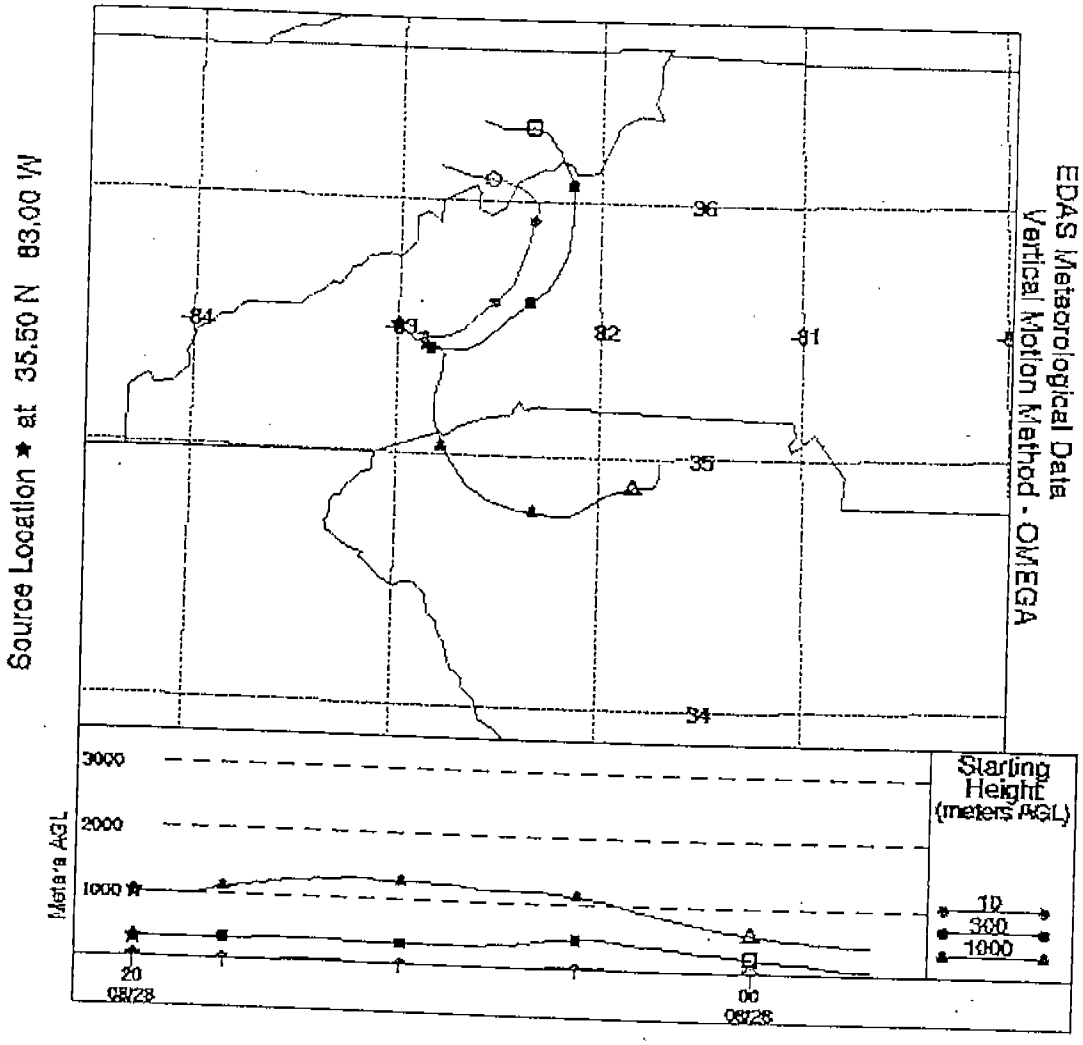
Backward Trajectories Ending- 20 UTC 28 AUG 99



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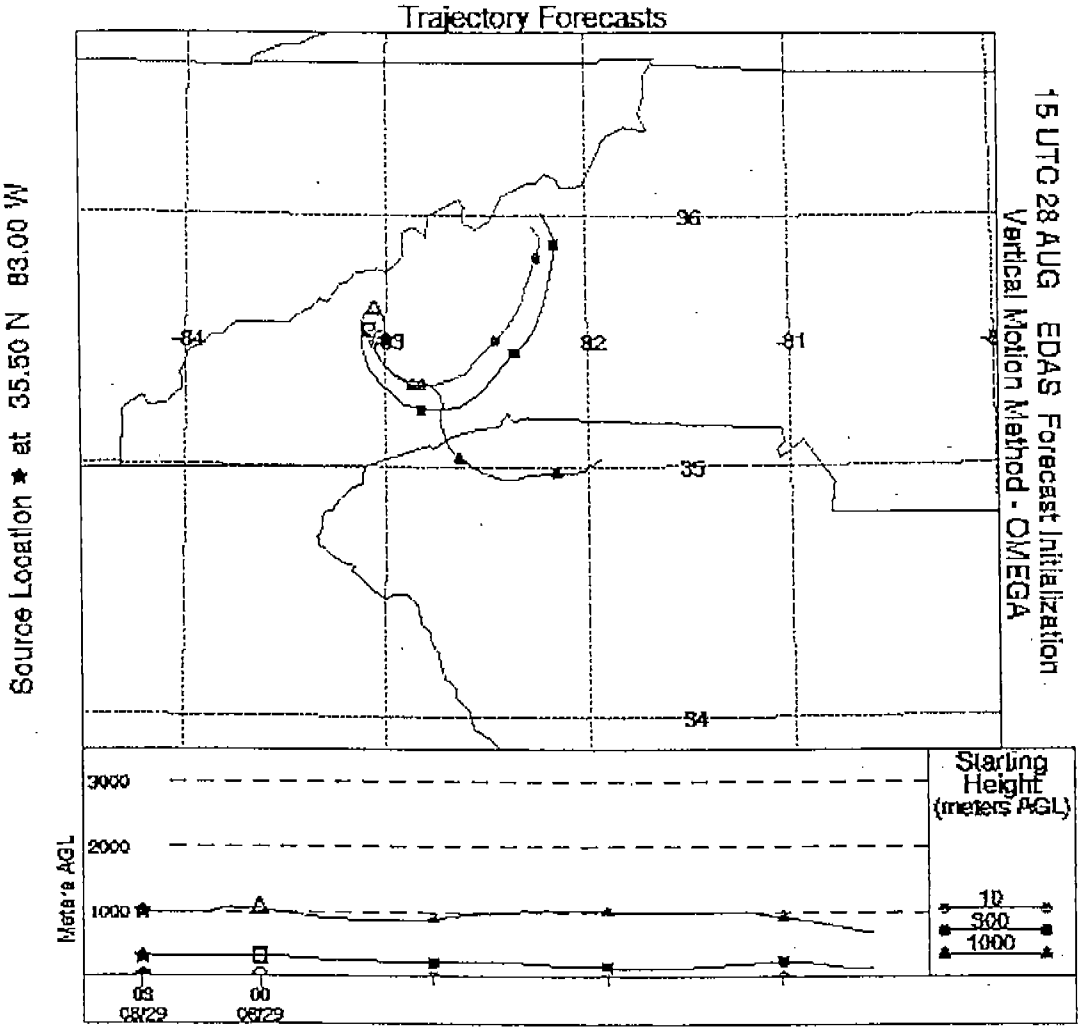
Backward Trajectories Ending- 03 UTC 29 AUG 99

Trajectory Forecasts



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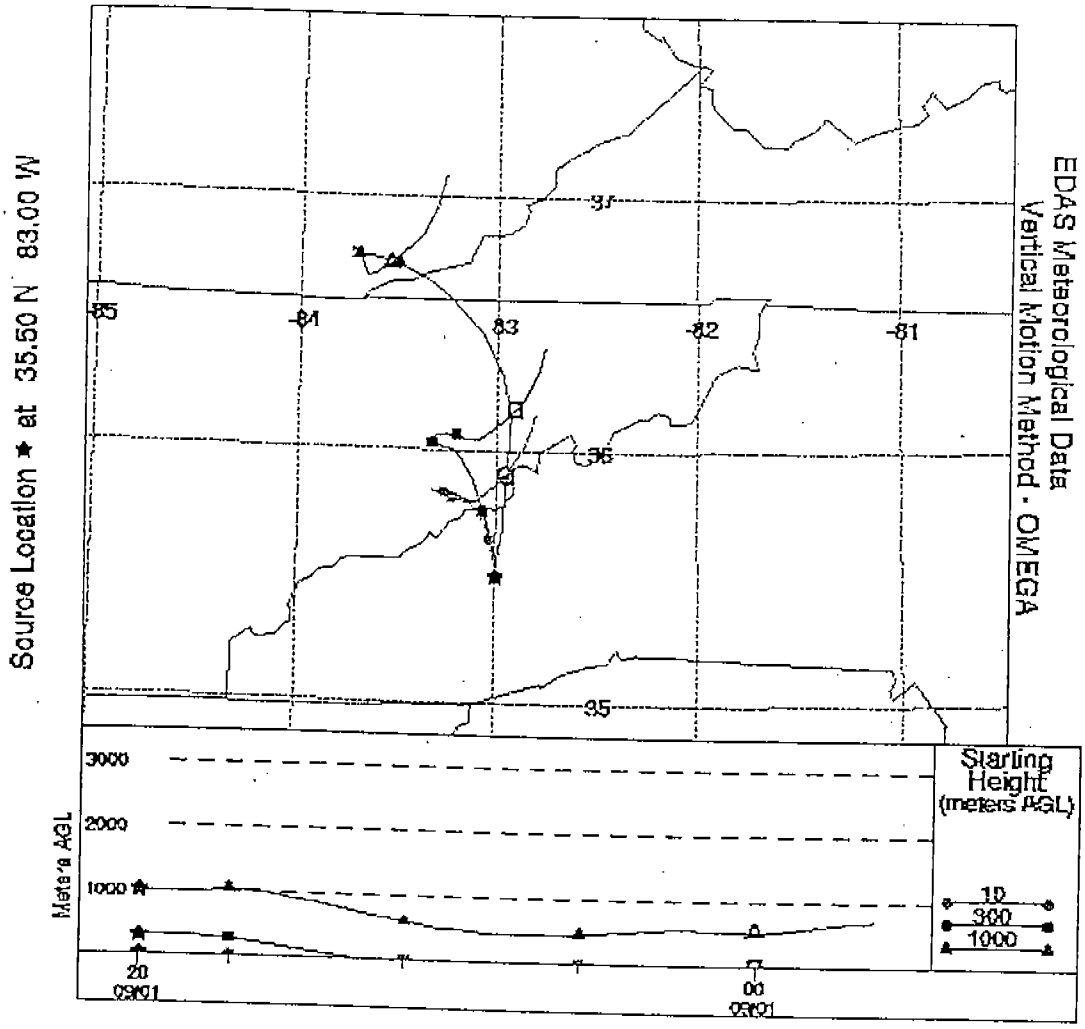
Backward Trajectories Ending- 20 UTC 01 SEP 99



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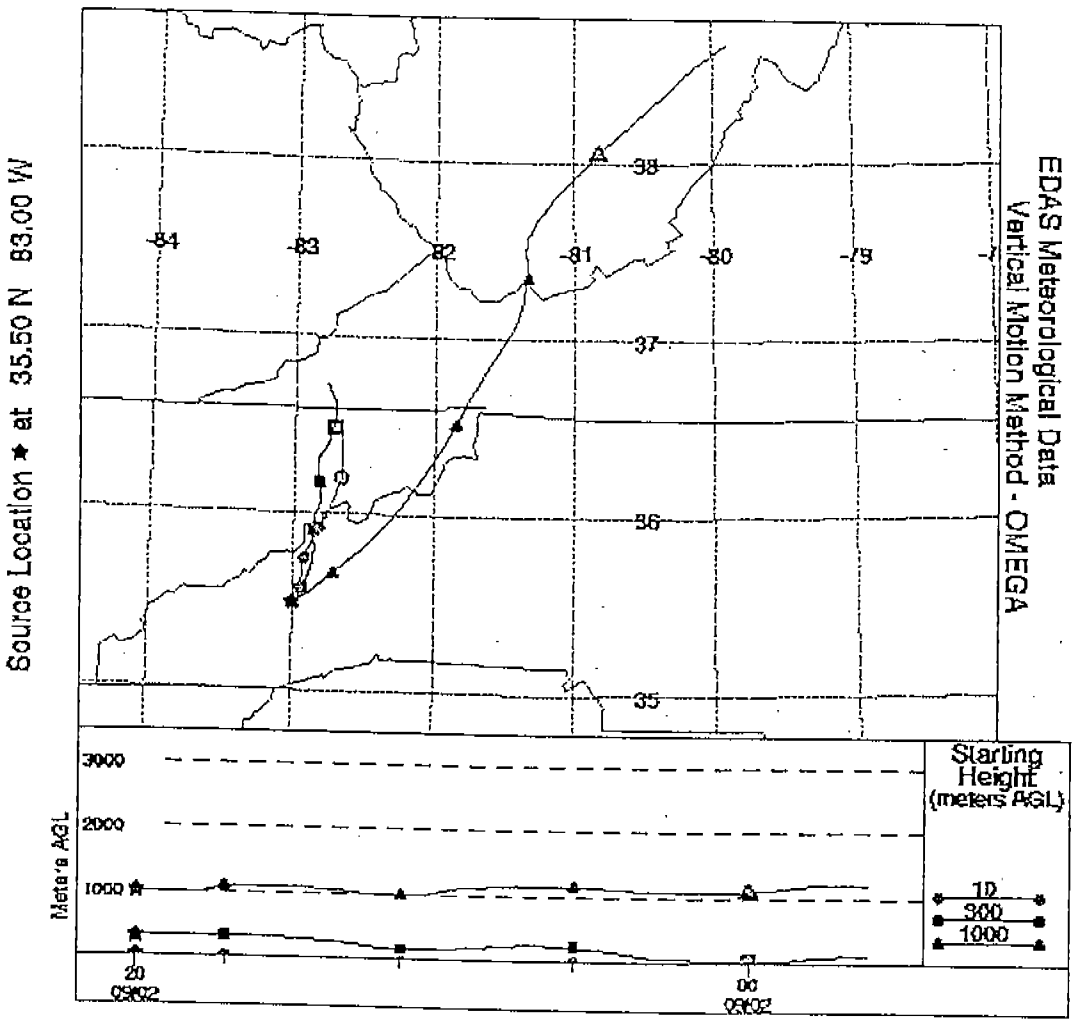

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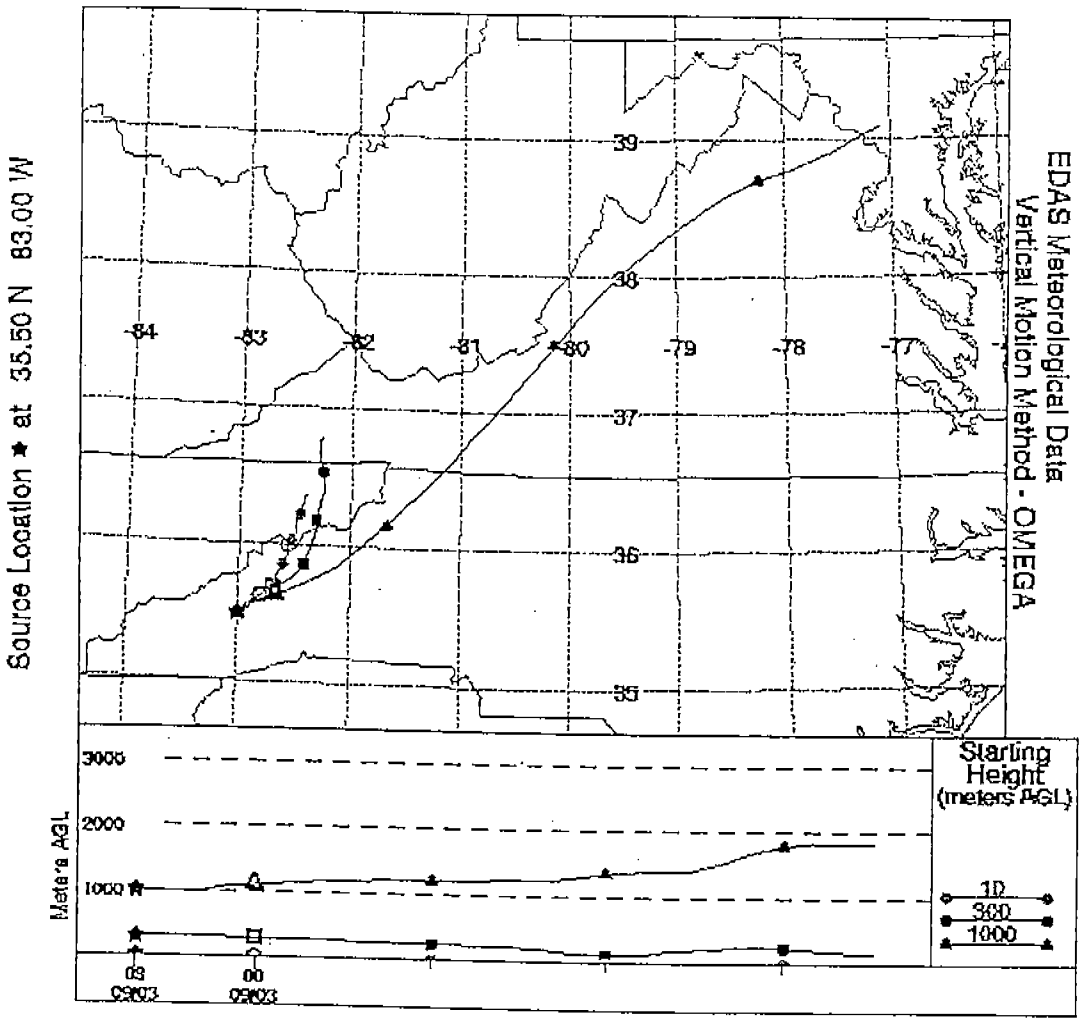

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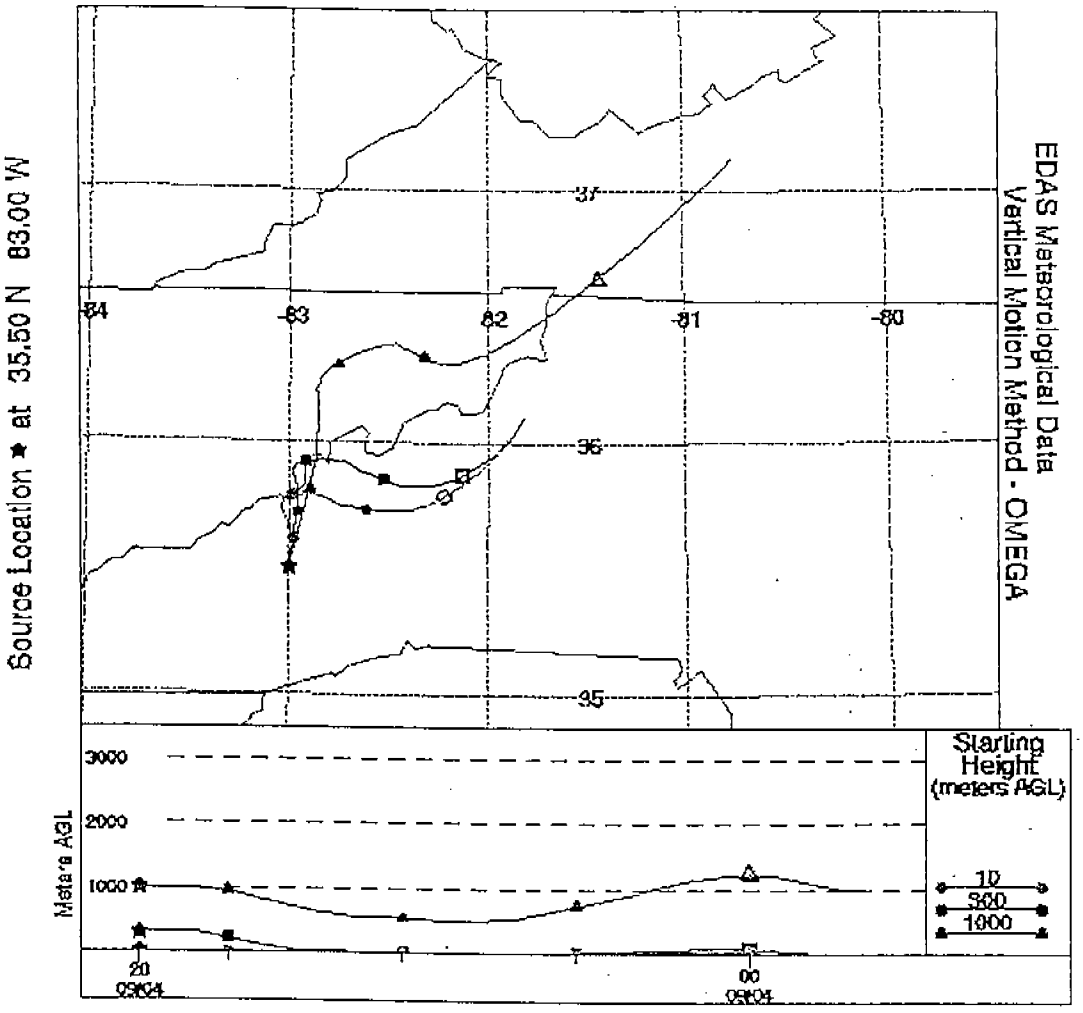

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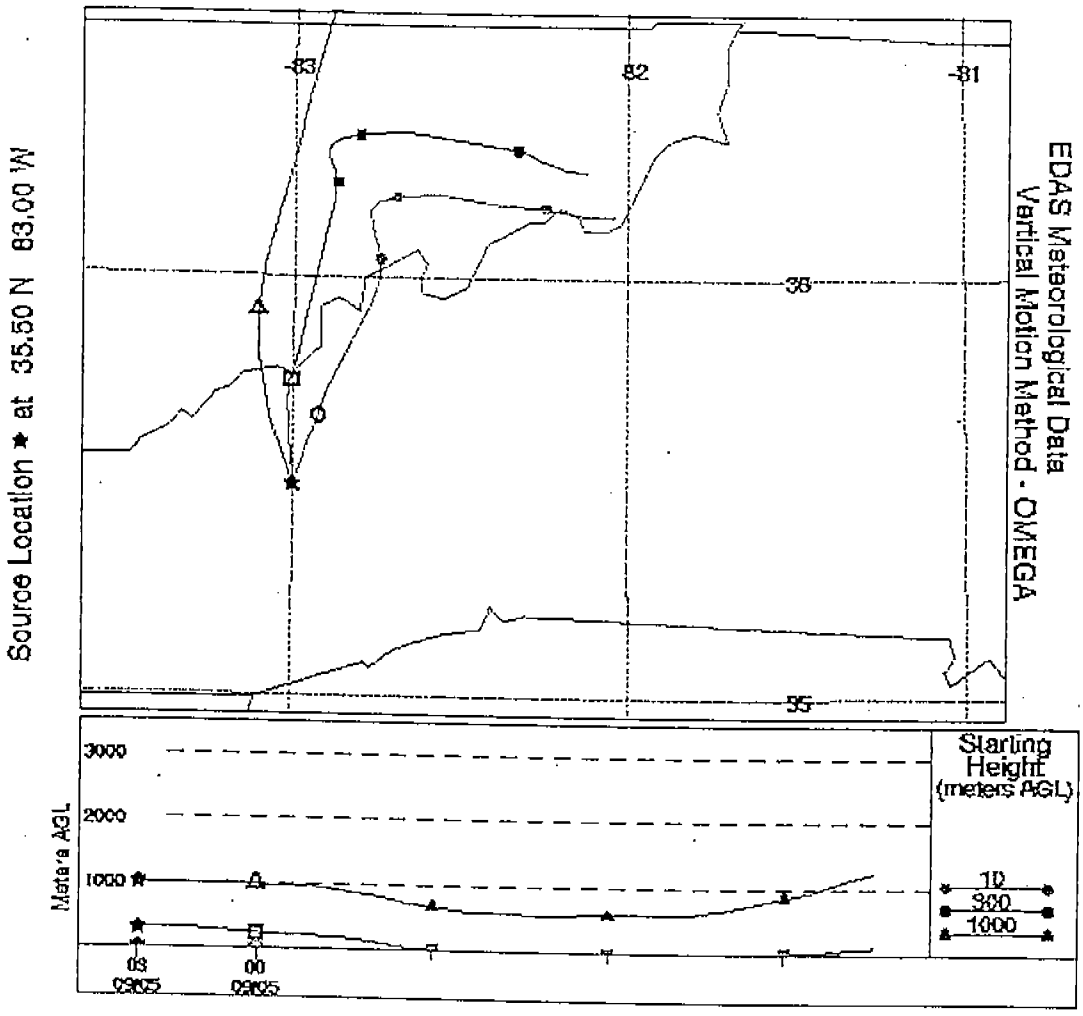

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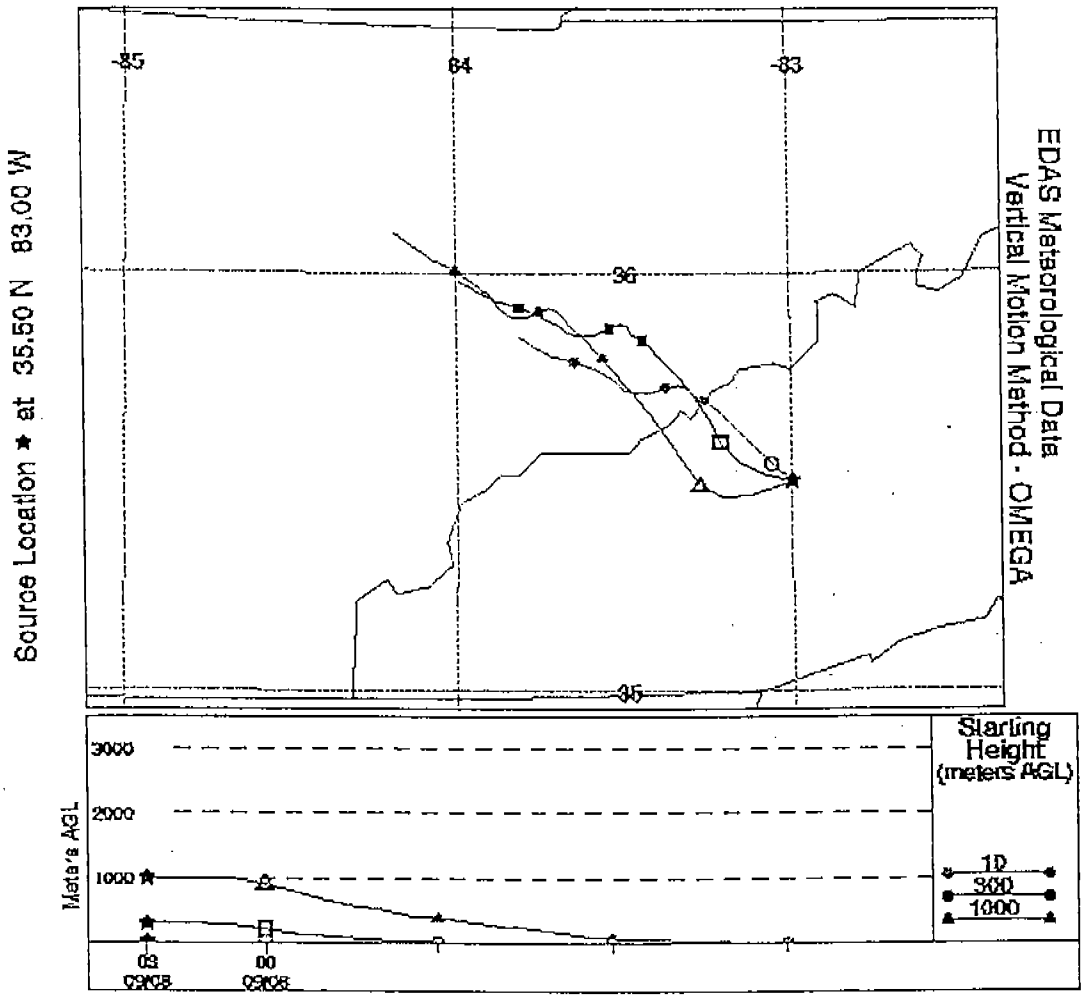

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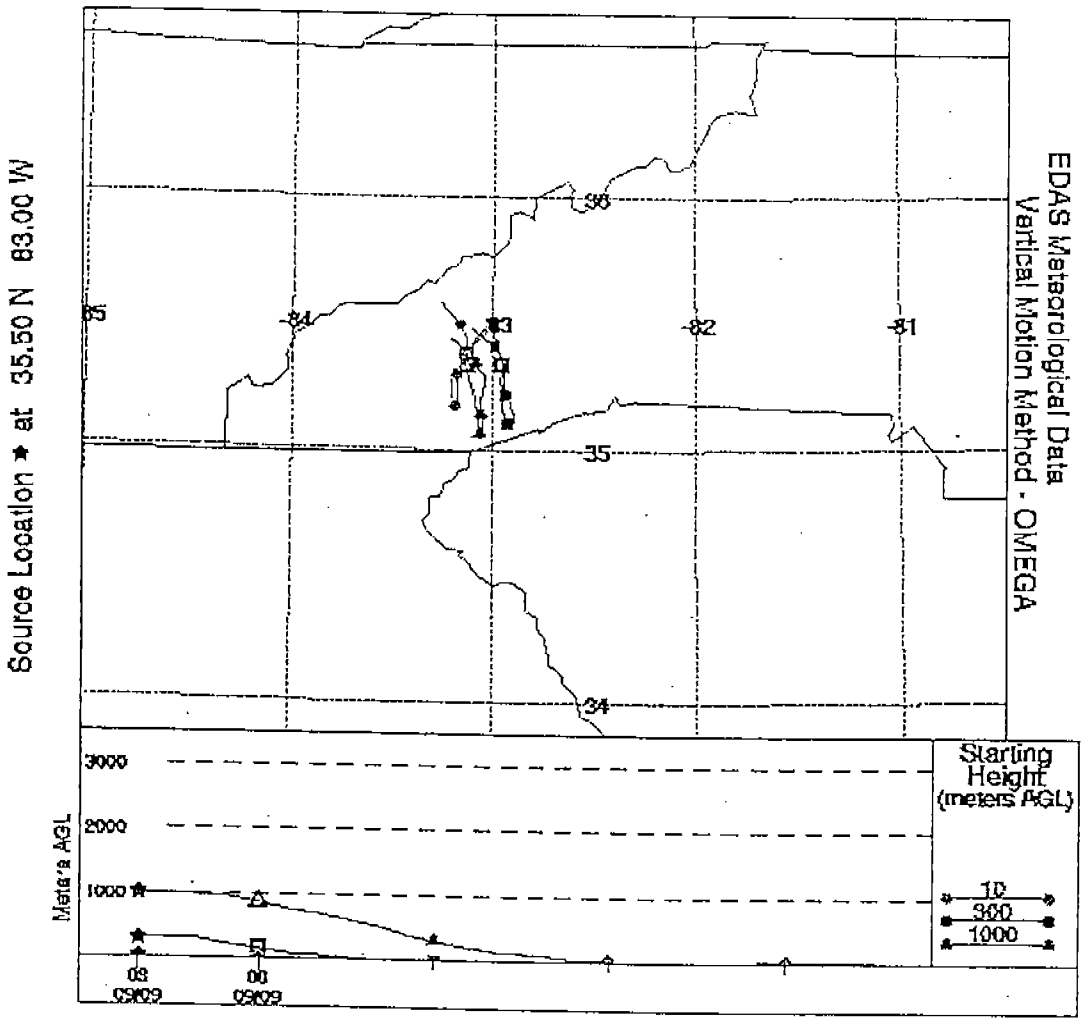

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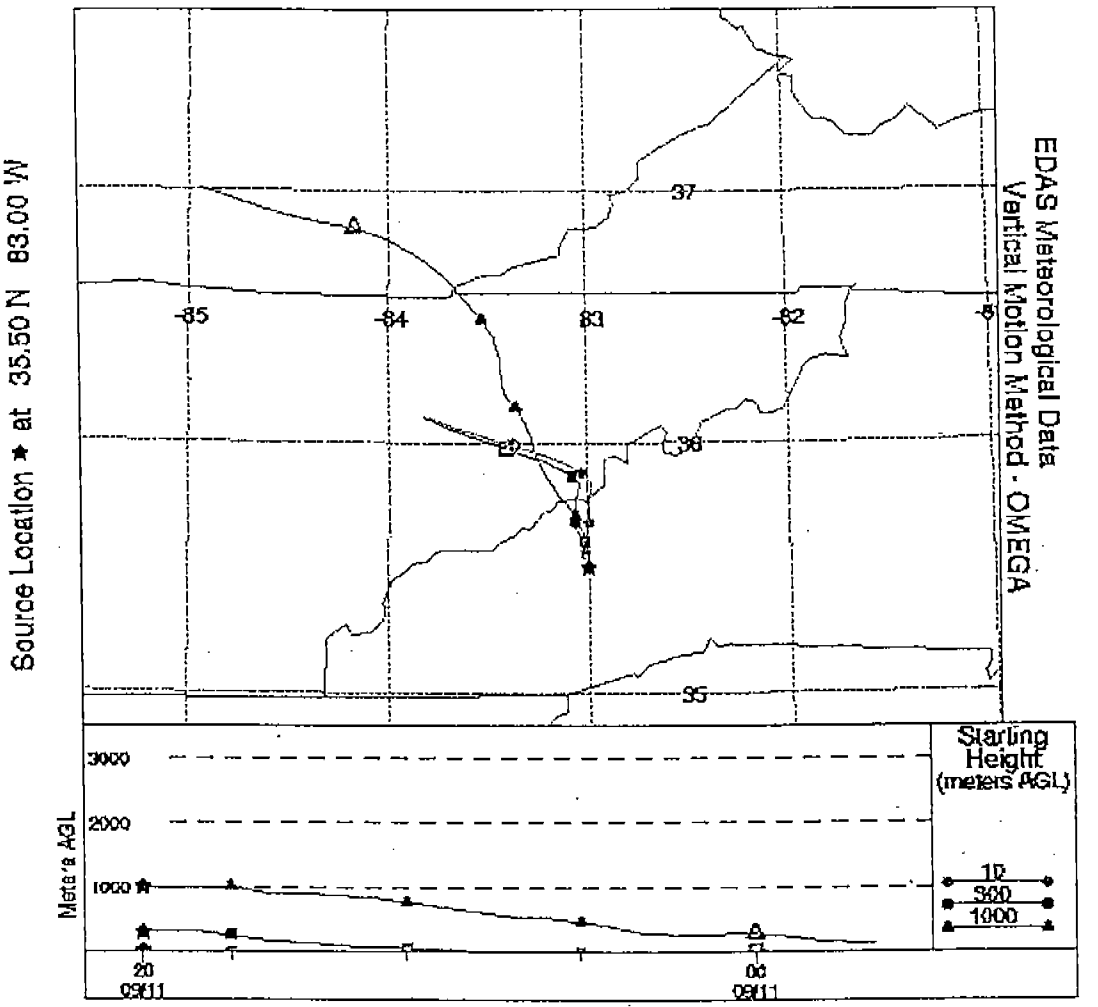

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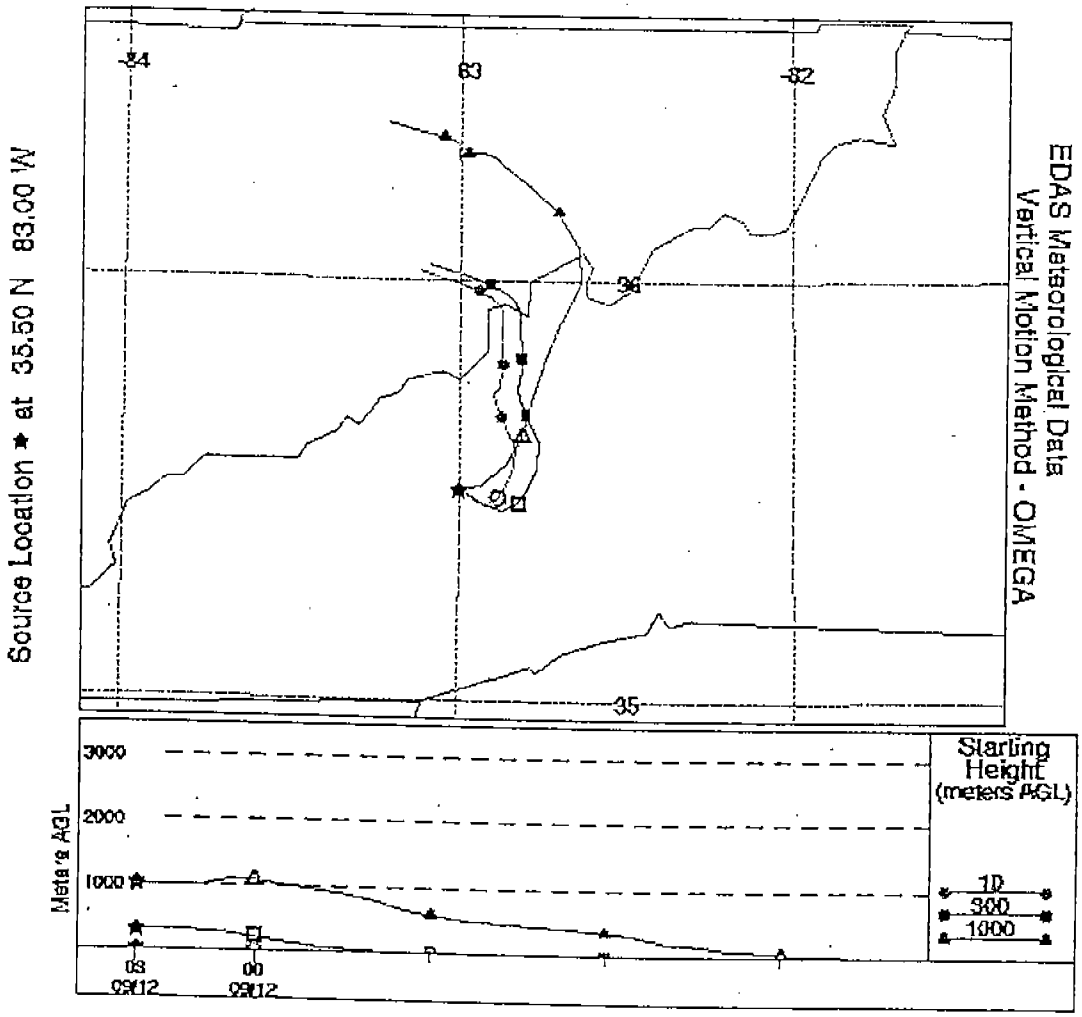

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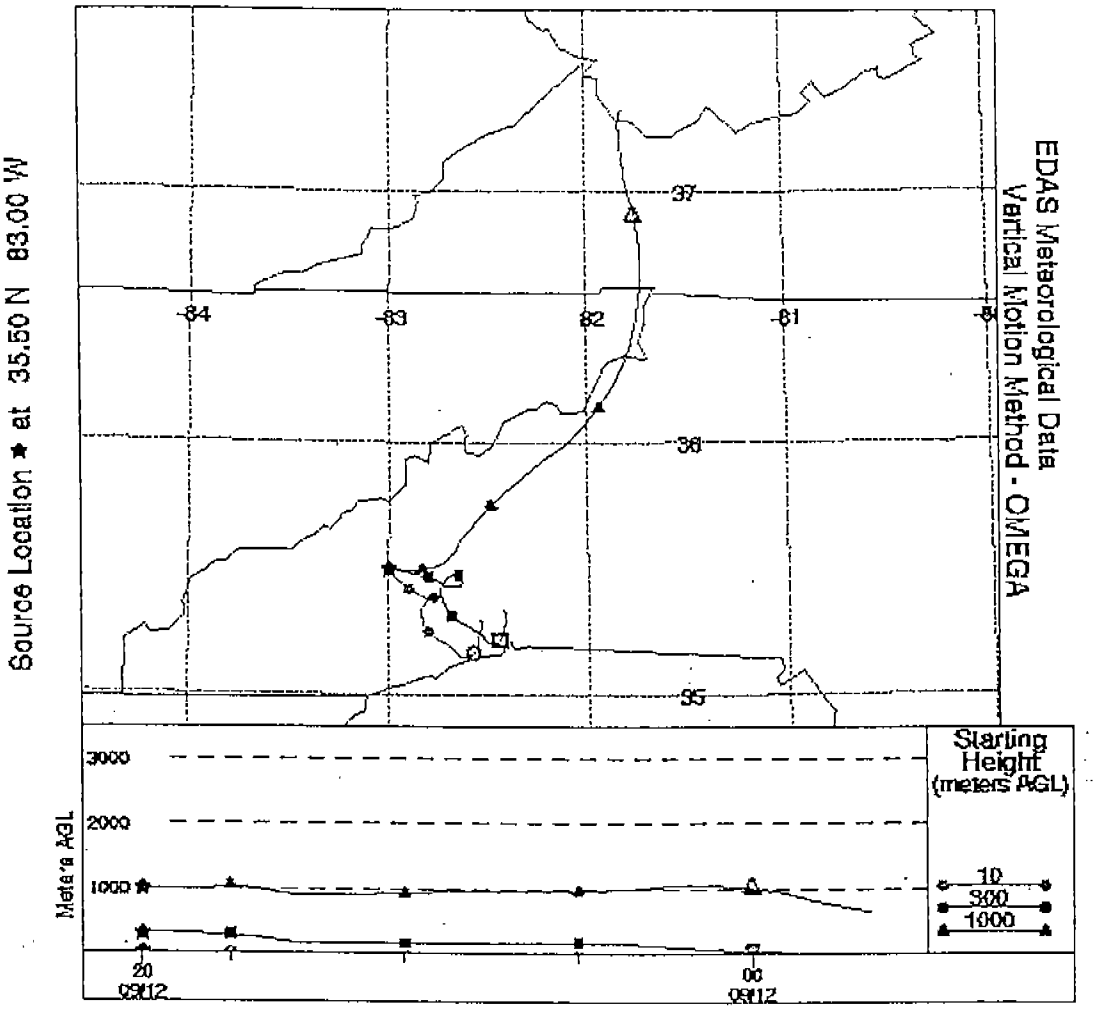

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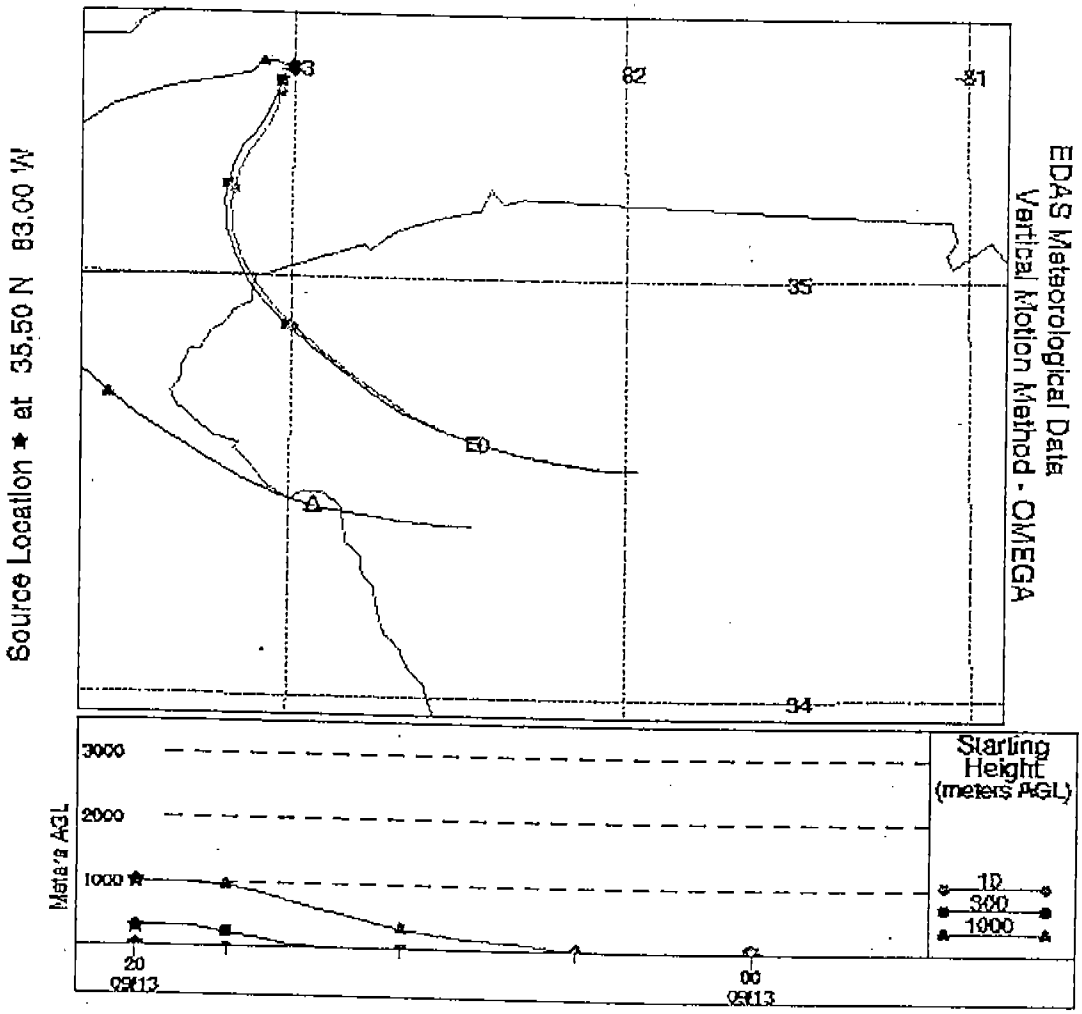

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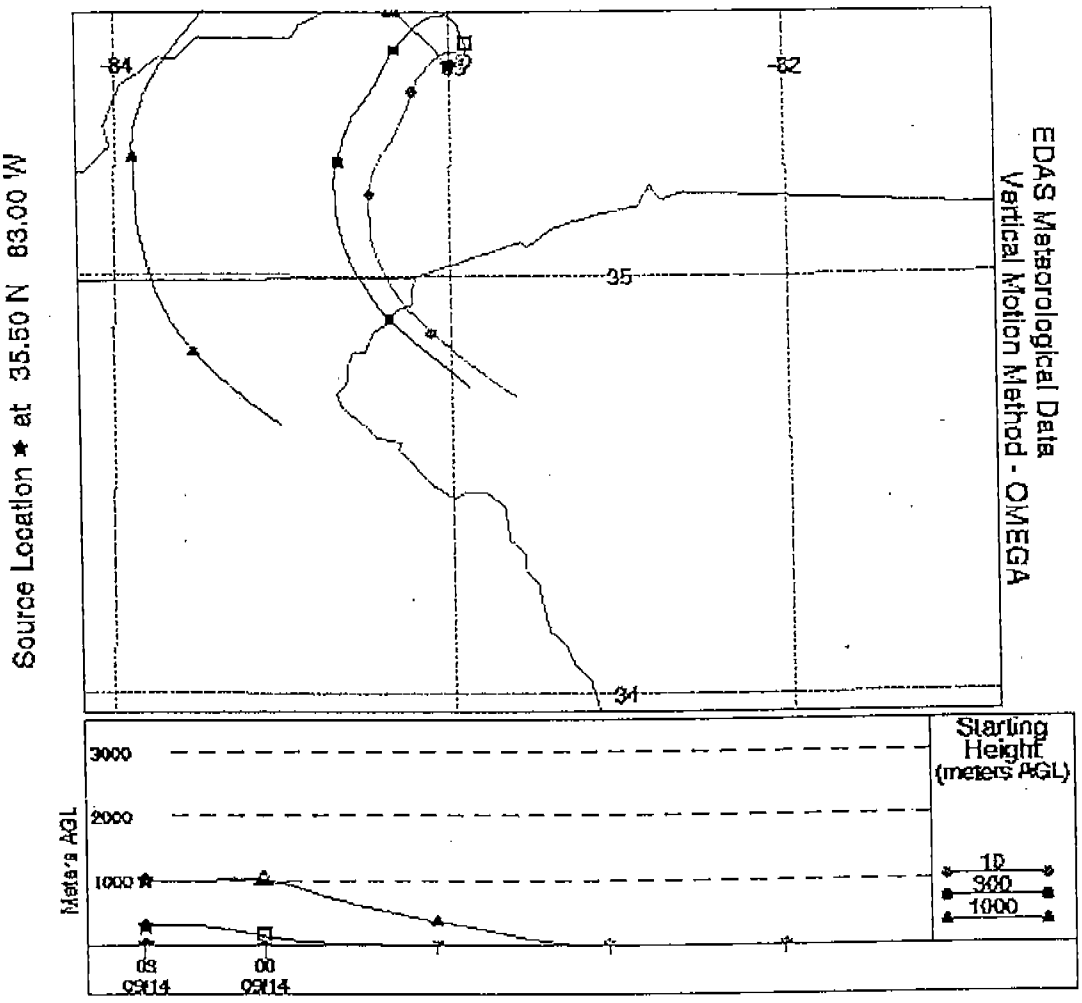

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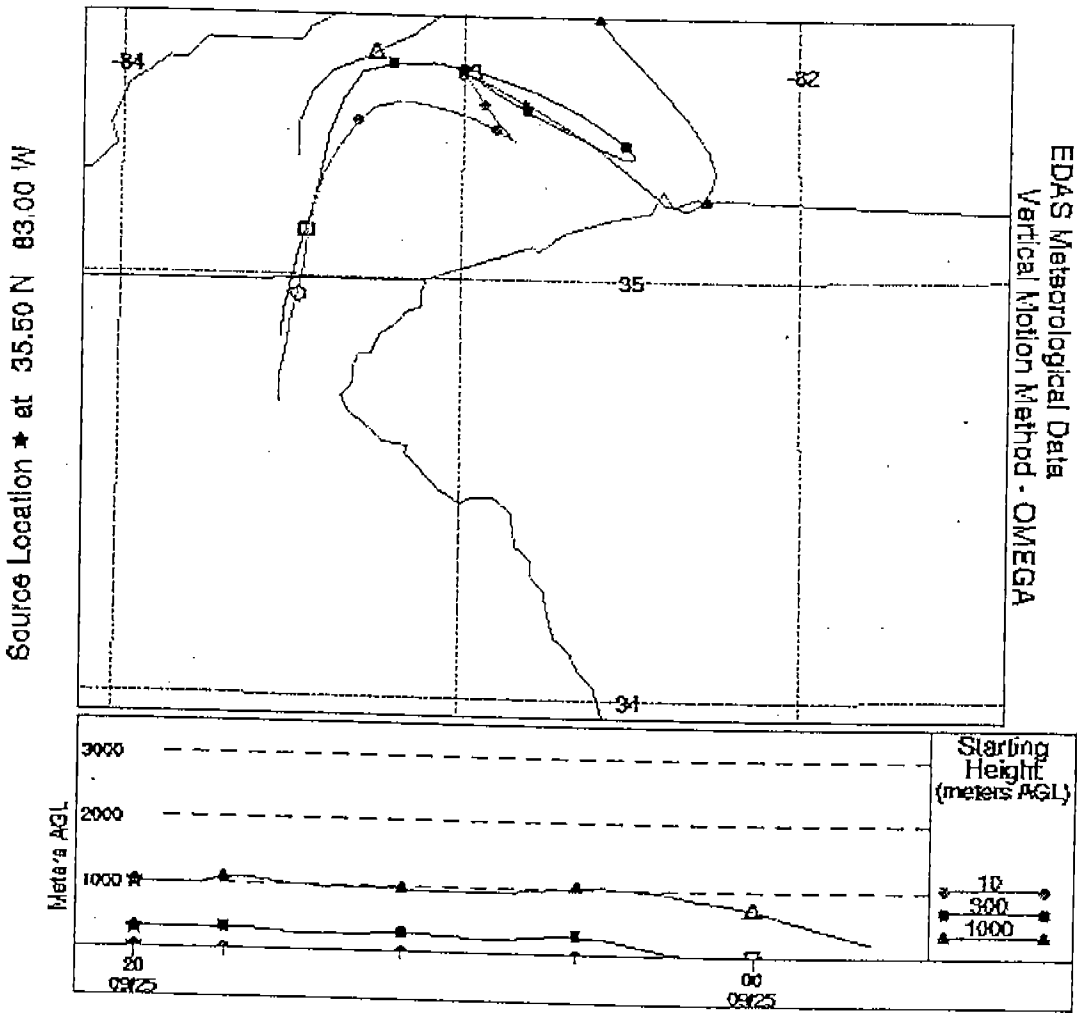
Backward Trajectories Ending- 20 UTC 25 SEP 99



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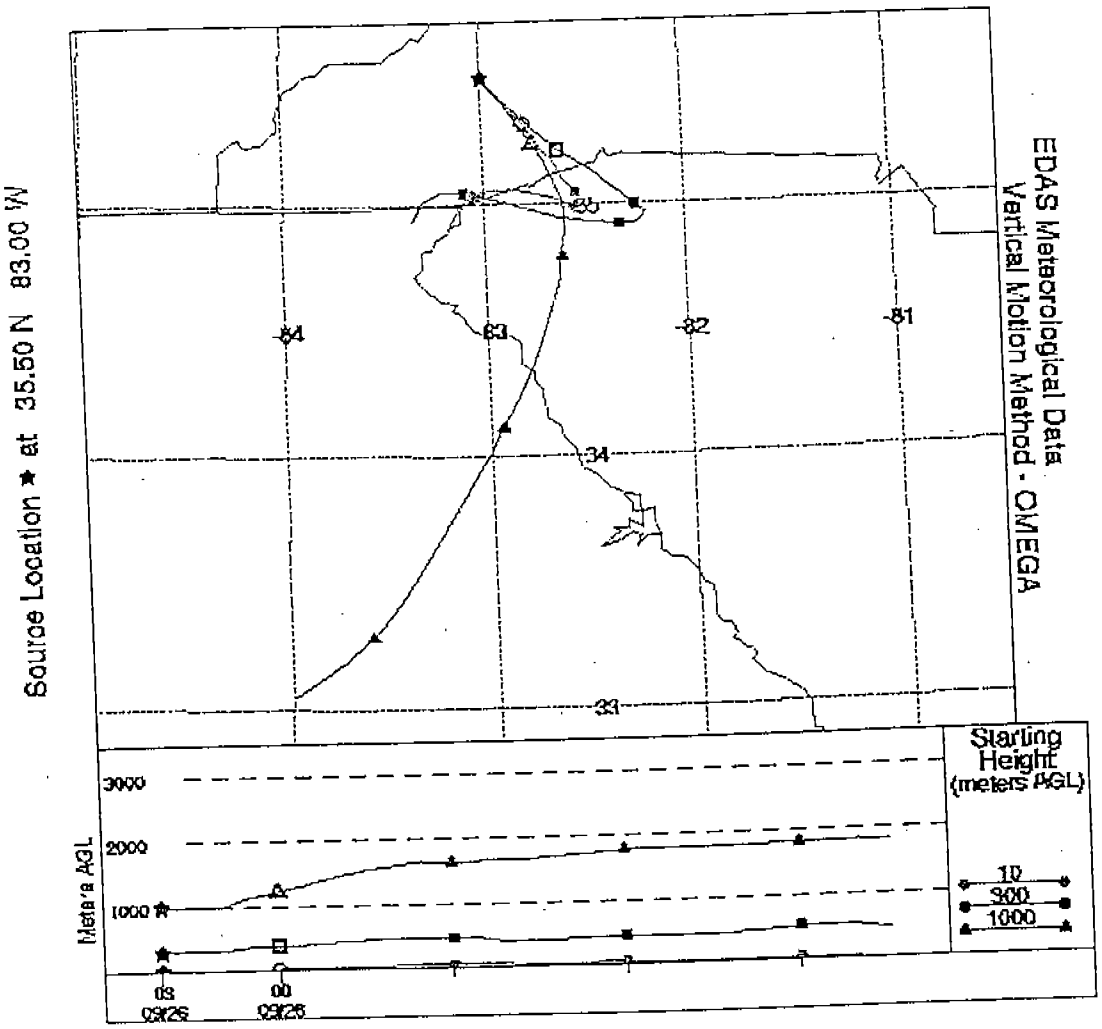

Ozone Exceedence Day Back Trajectories

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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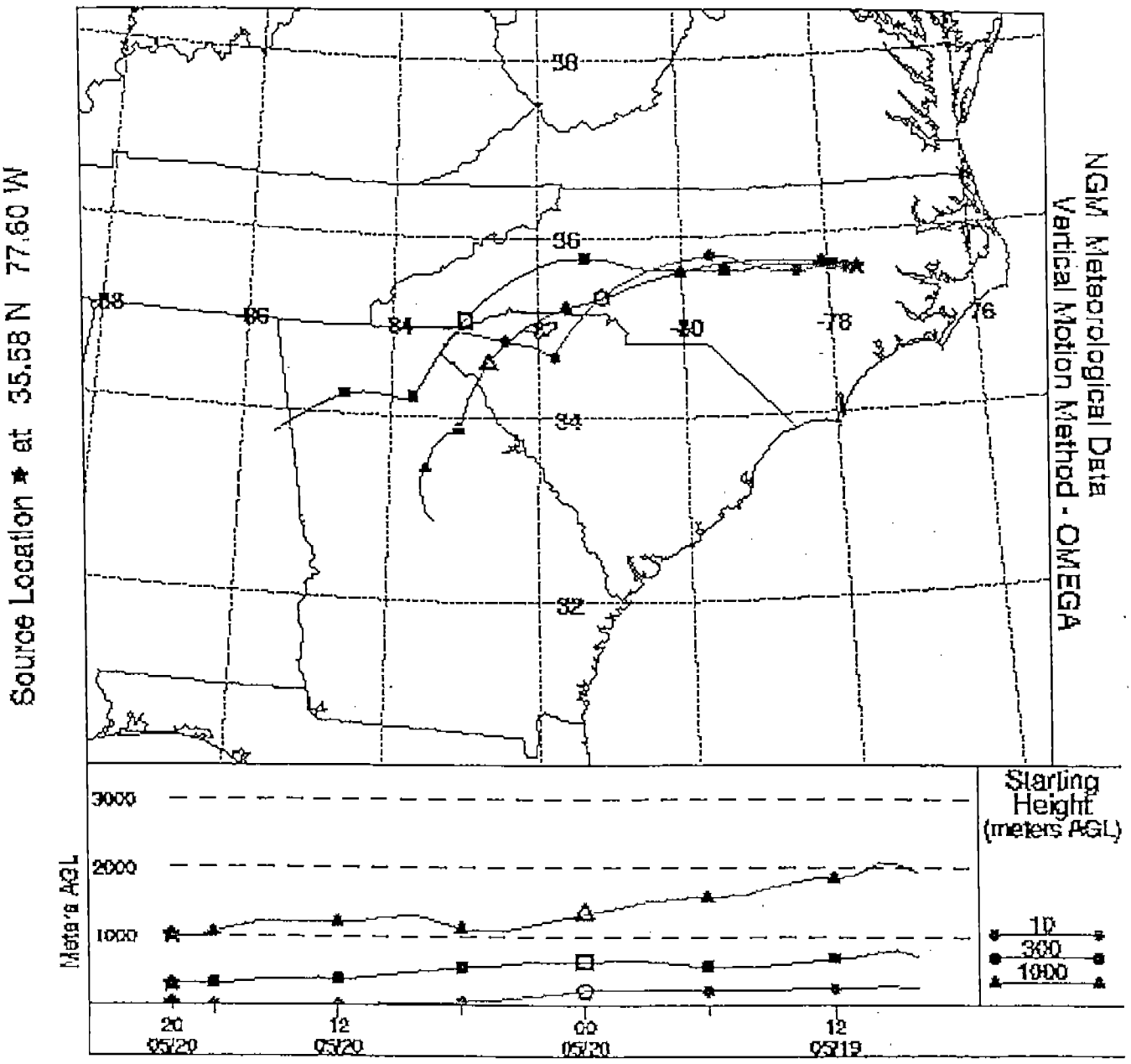
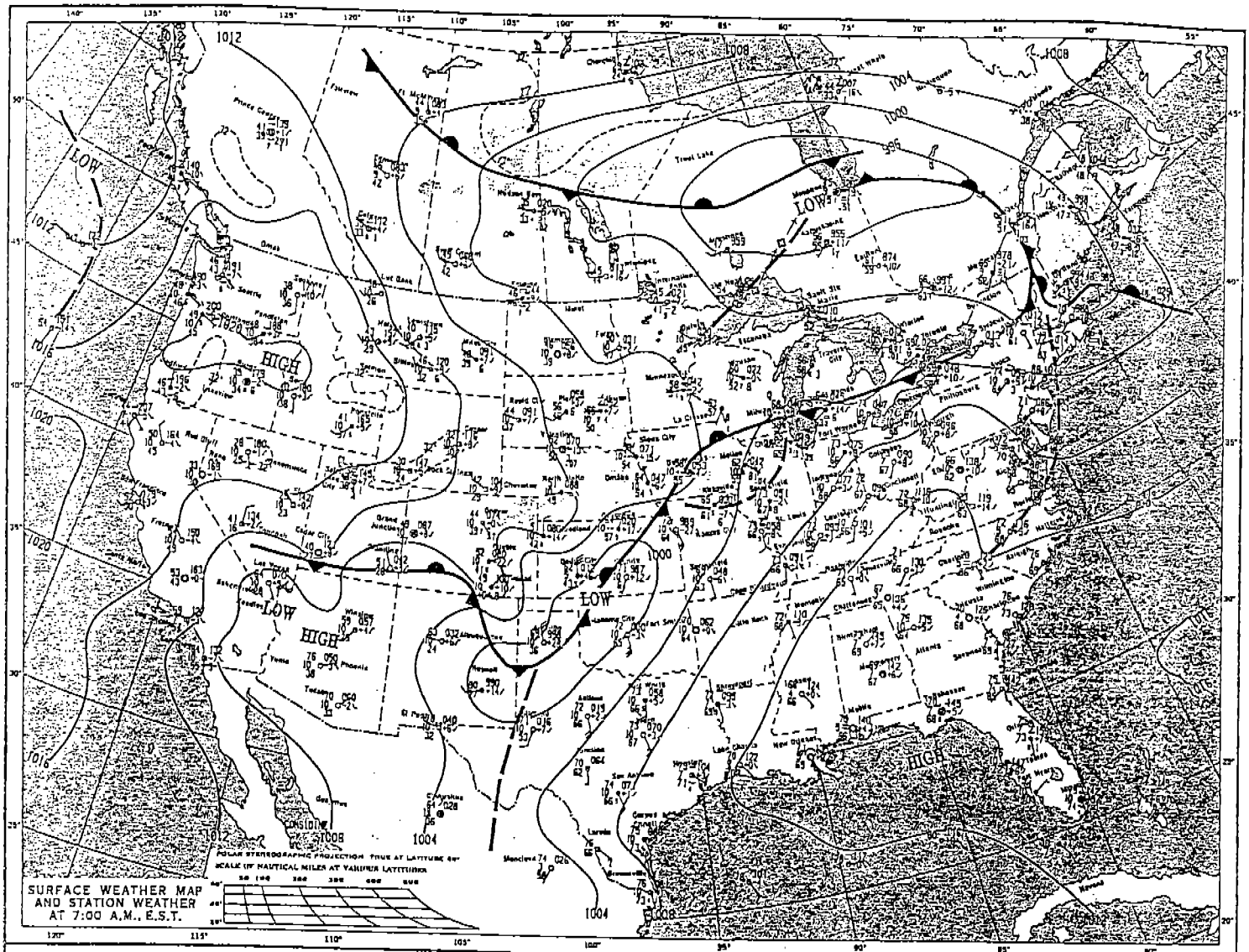
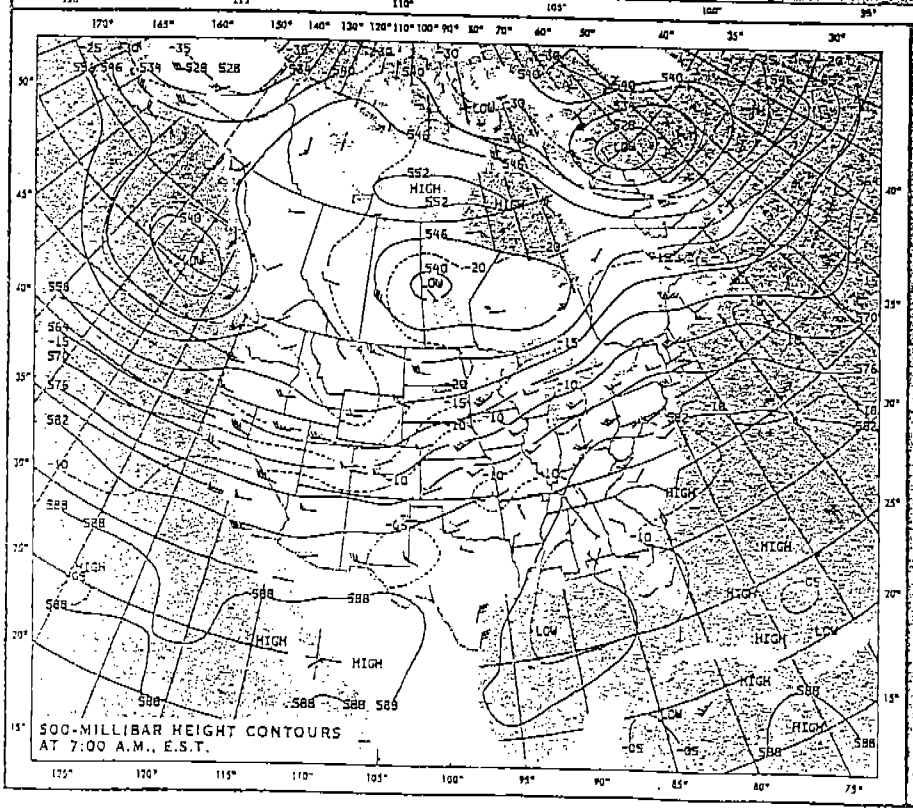
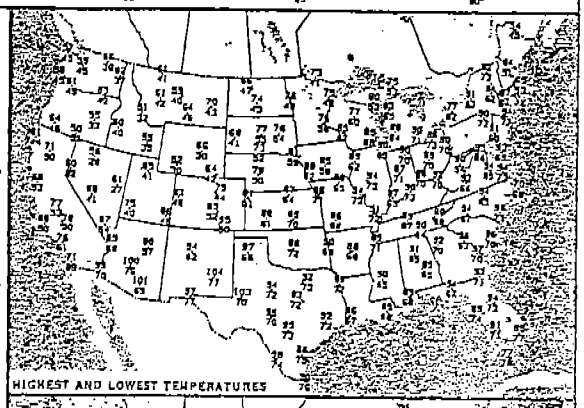
Backward Trajectories Ending- 20 UTC 20 MAY 96

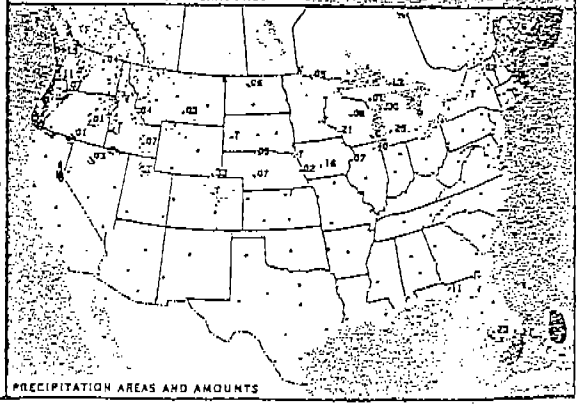


MONDAY, MAY 20, 1996









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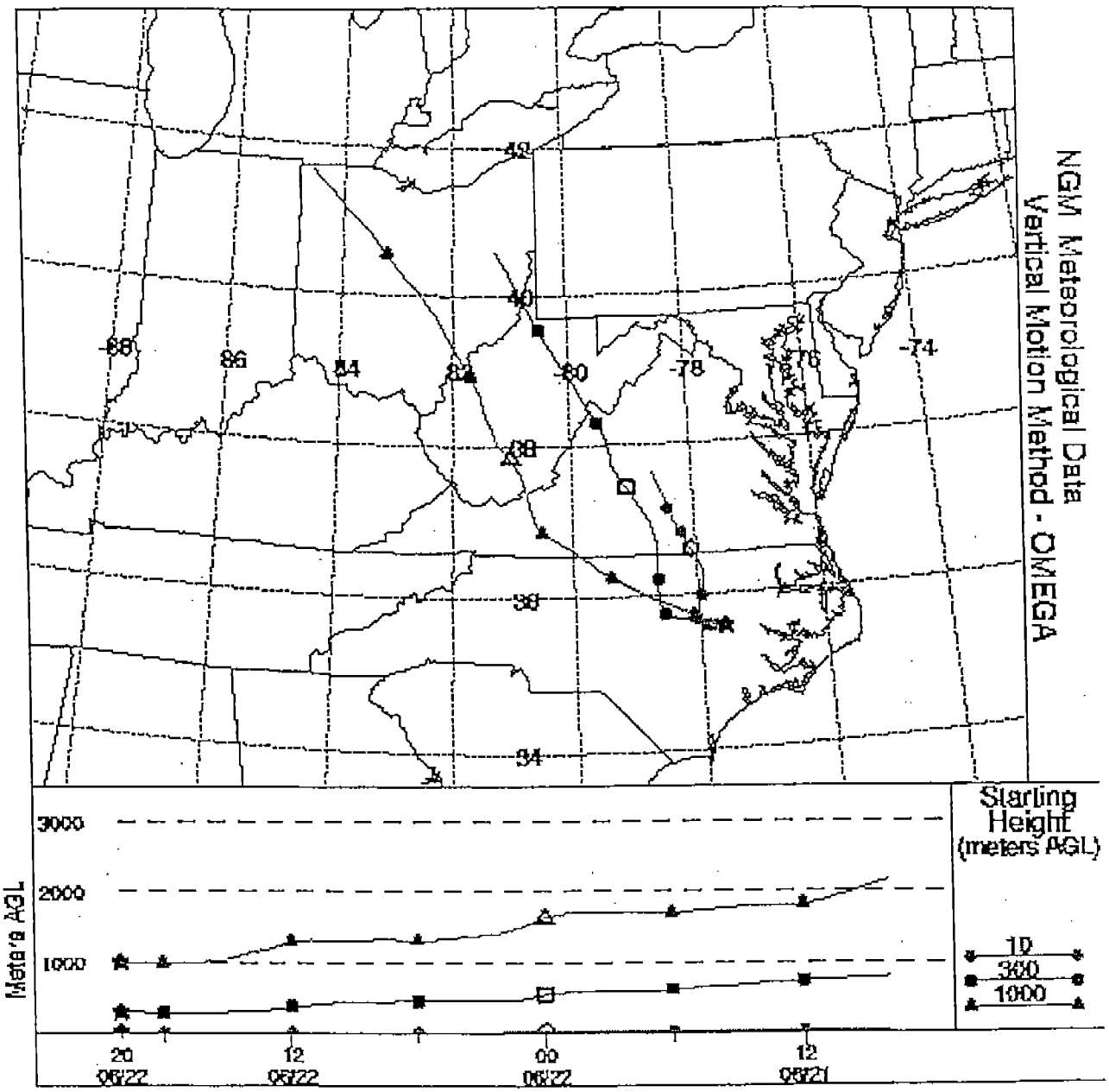
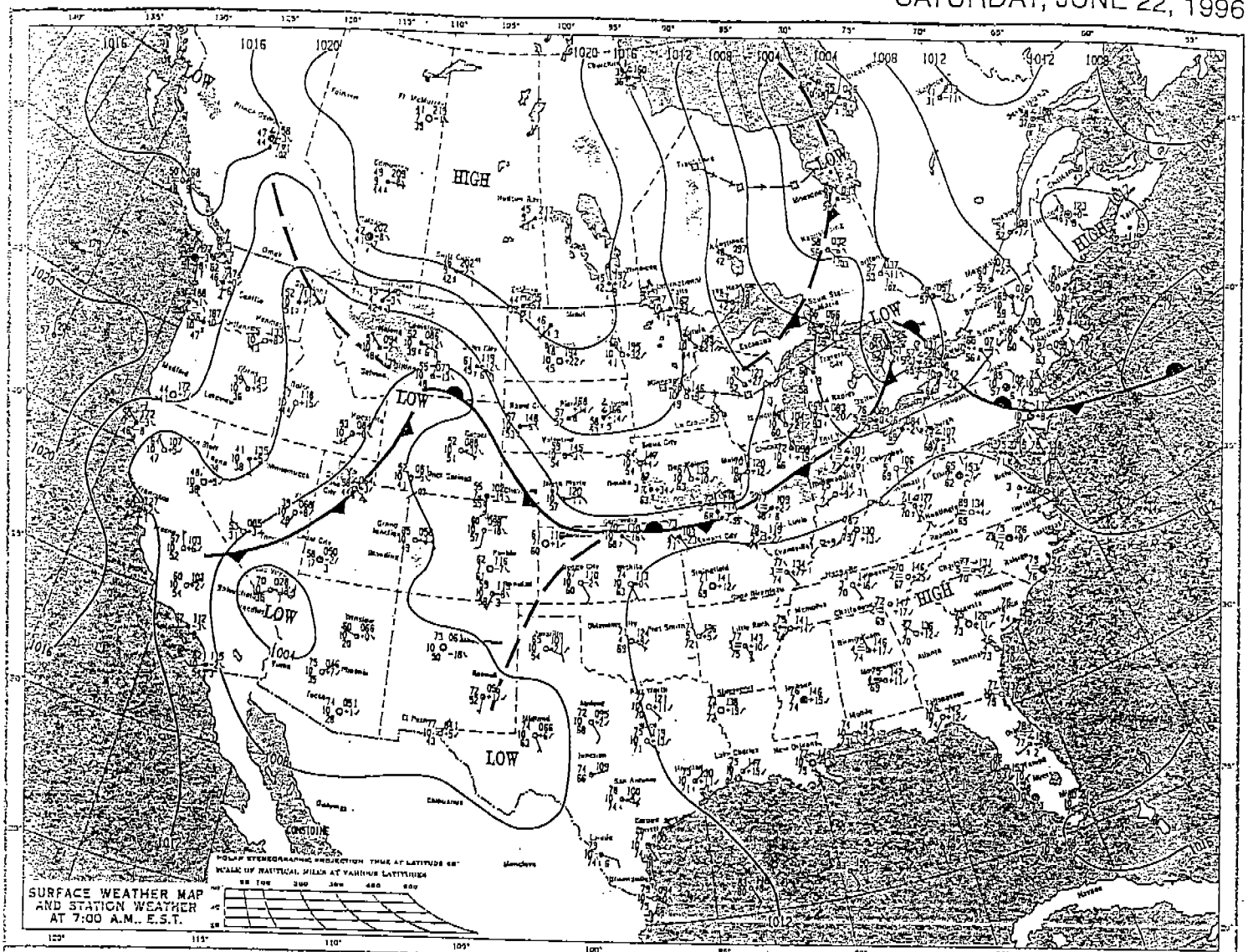
Backward Trajectories Ending- 20 UTC 22 JUN 96

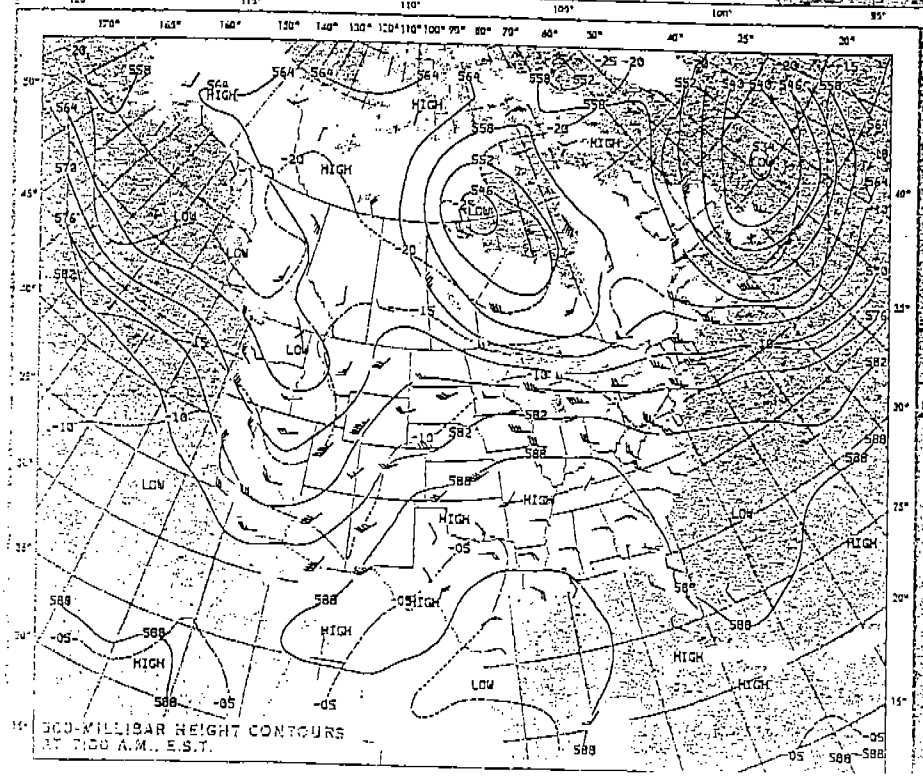
Source Location ★ at 35.58 N 77.60 W

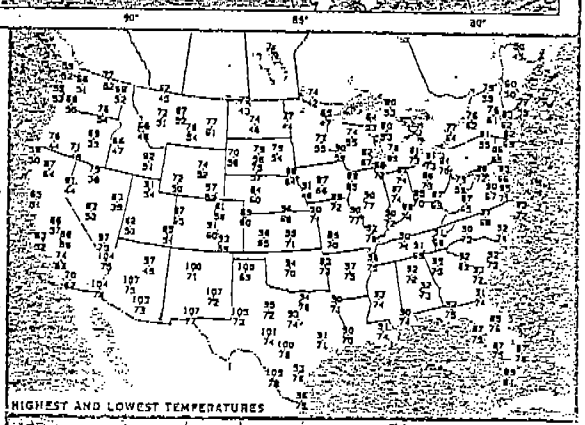
NGM Meteorological Data
Vertical Motion Method - OMEGA

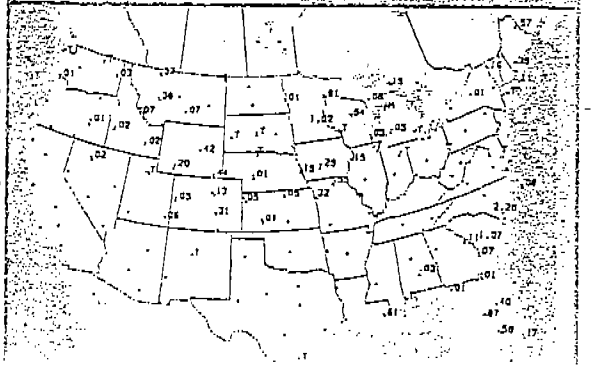


SATURDAY, JUNE 22, 1996









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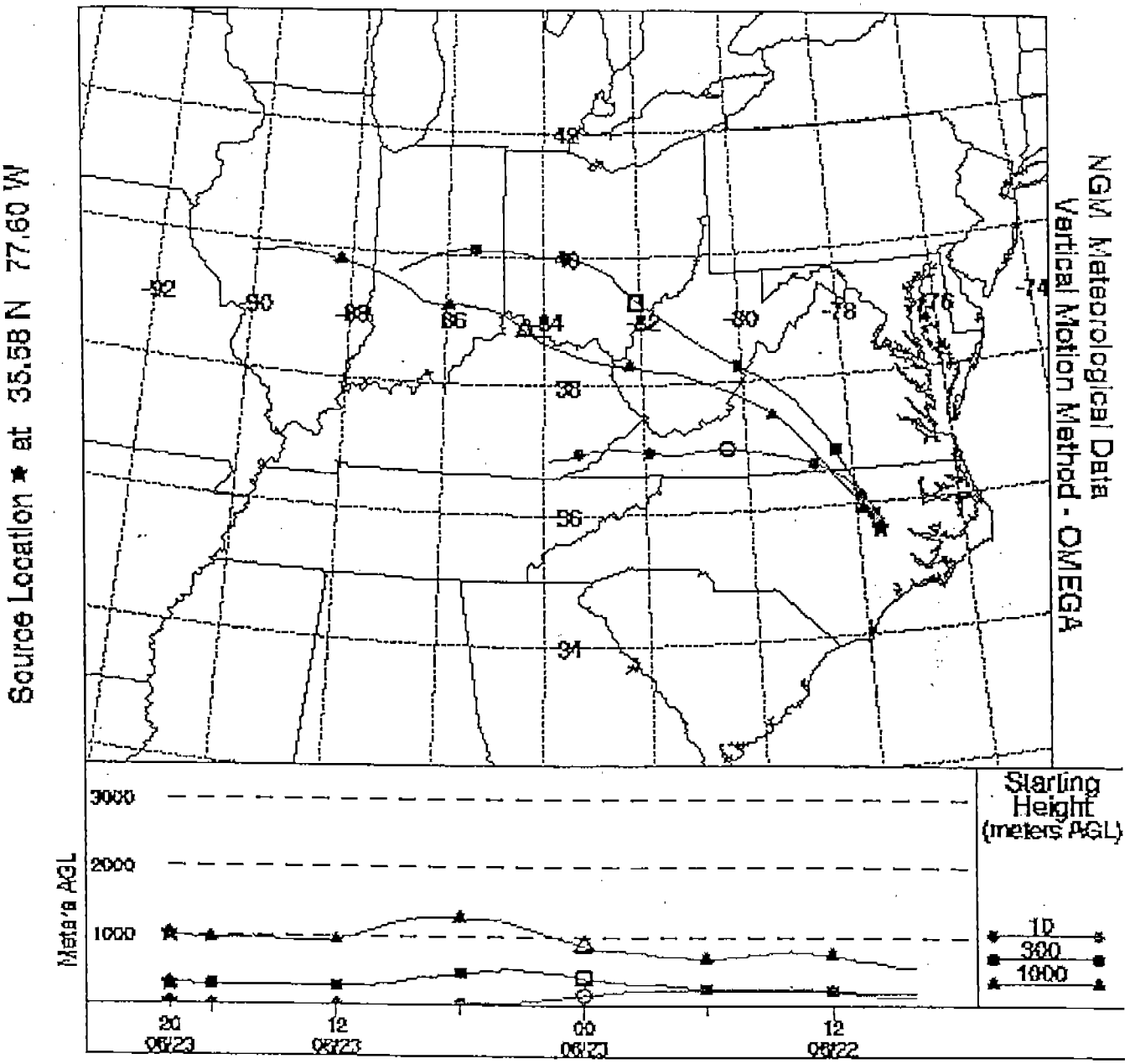
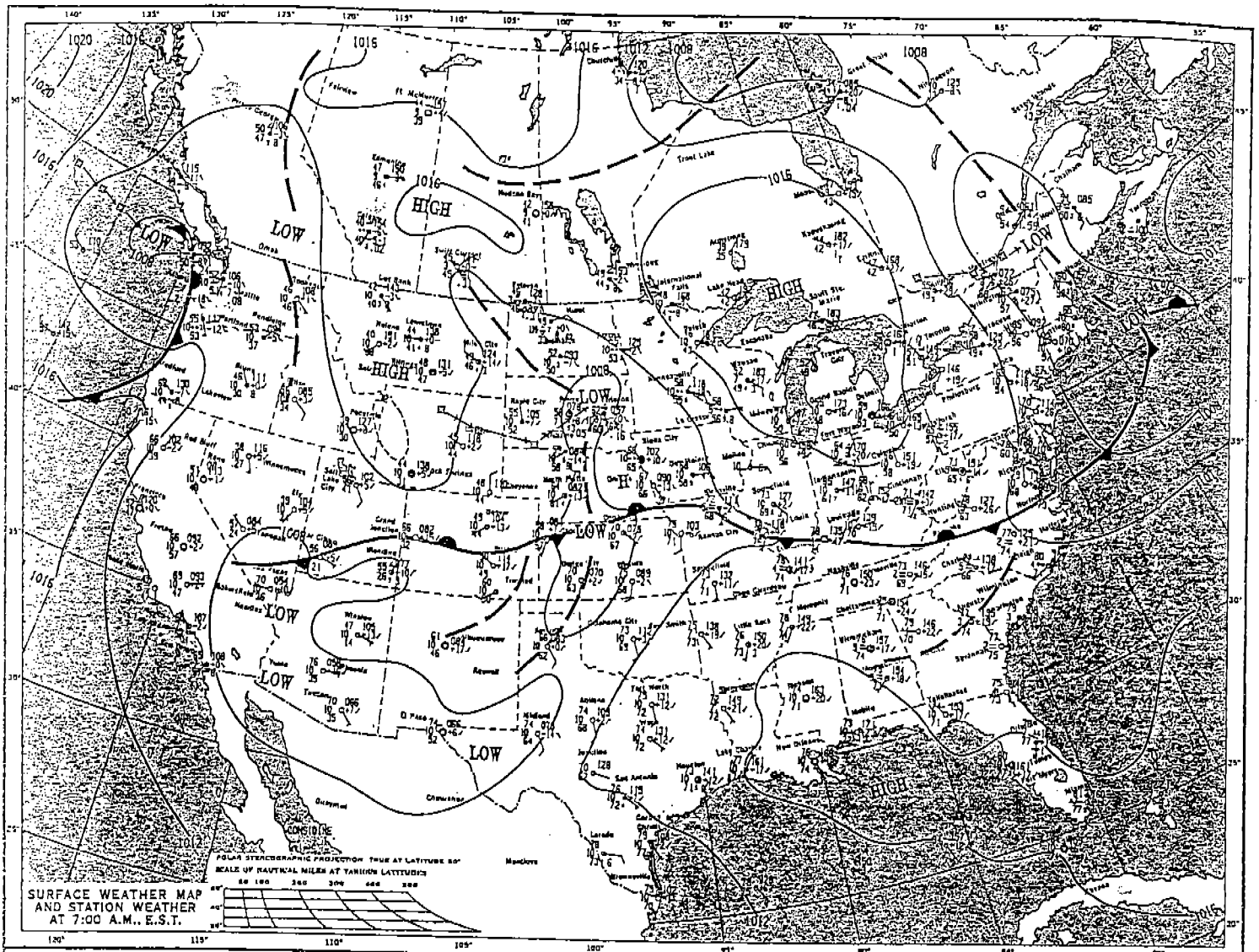
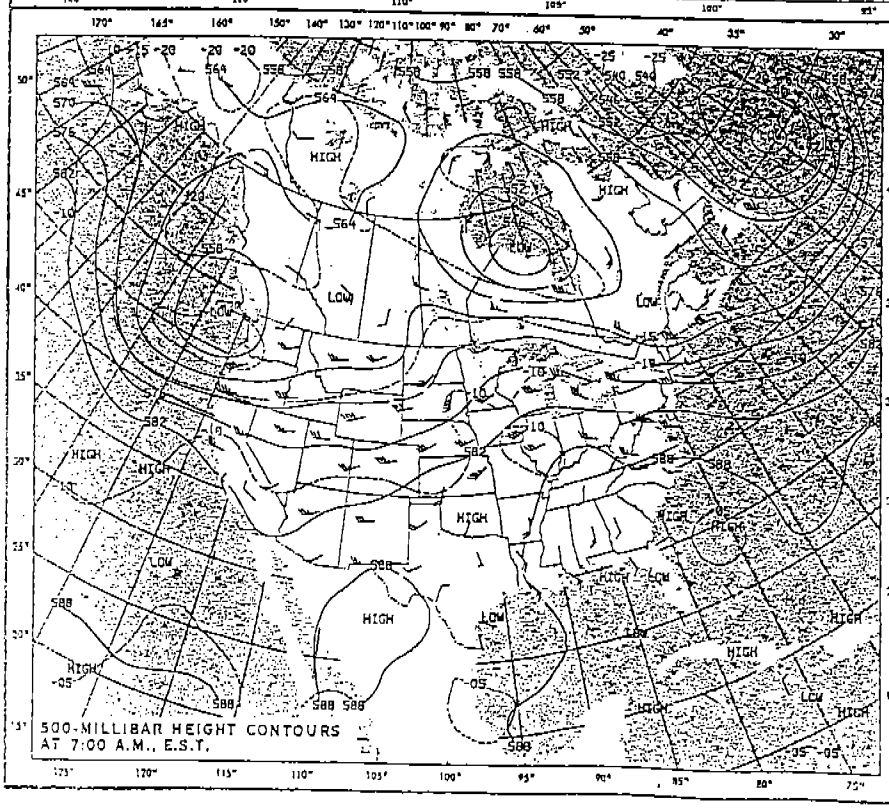
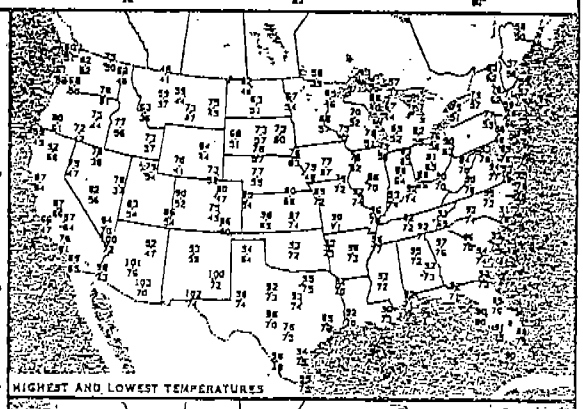
Backward Trajectories Ending- 20 UTC 23 JUN 96

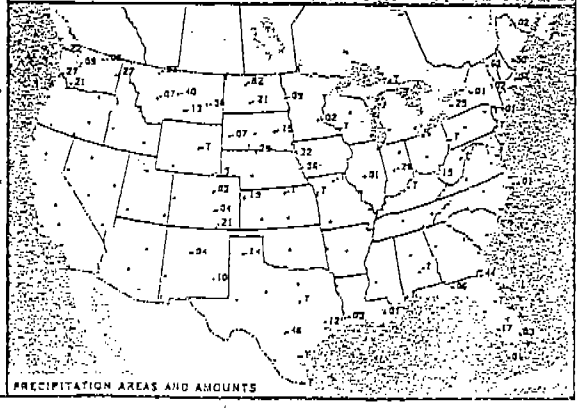


SUNDAY, JUNE 23, 1996









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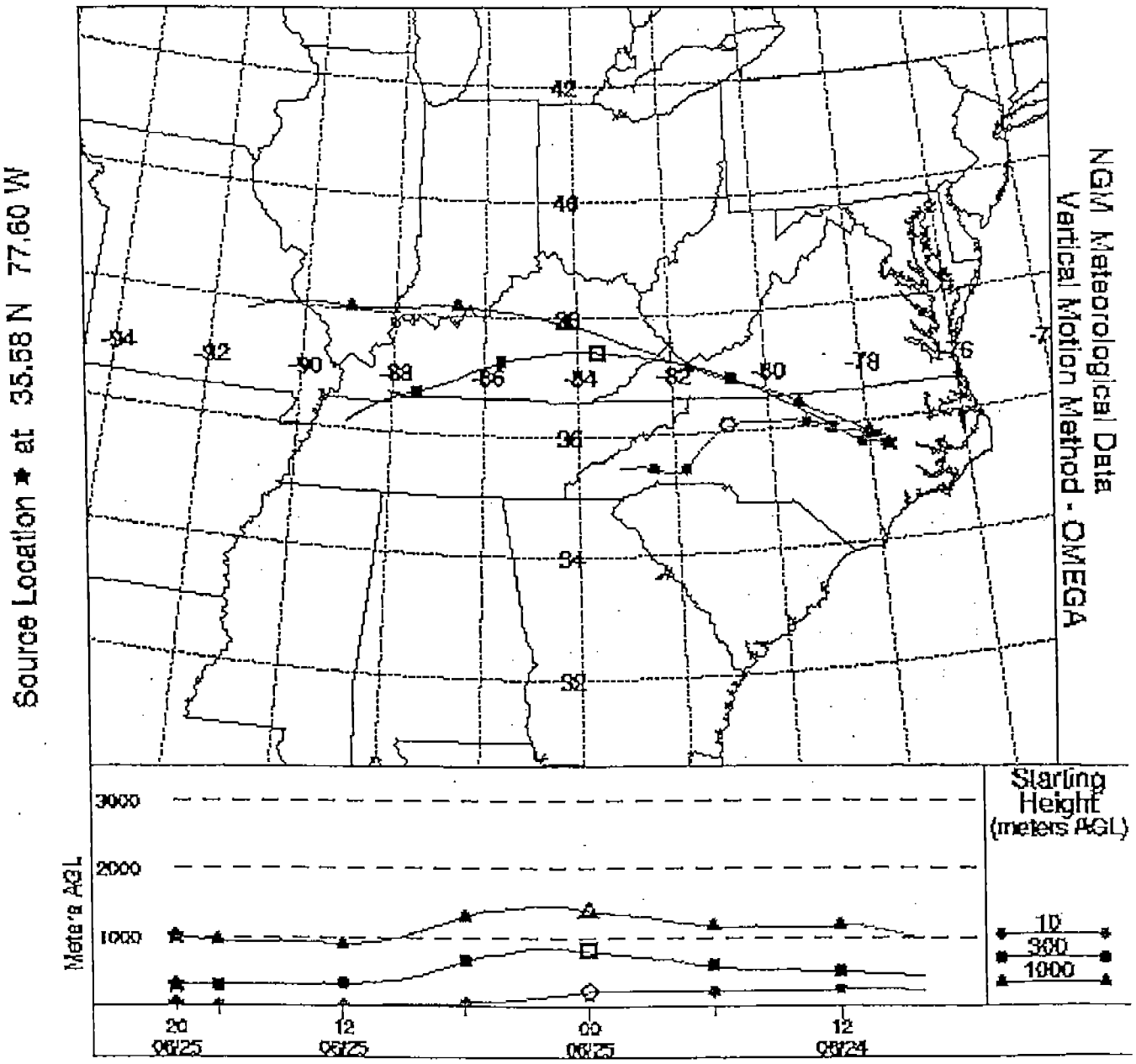
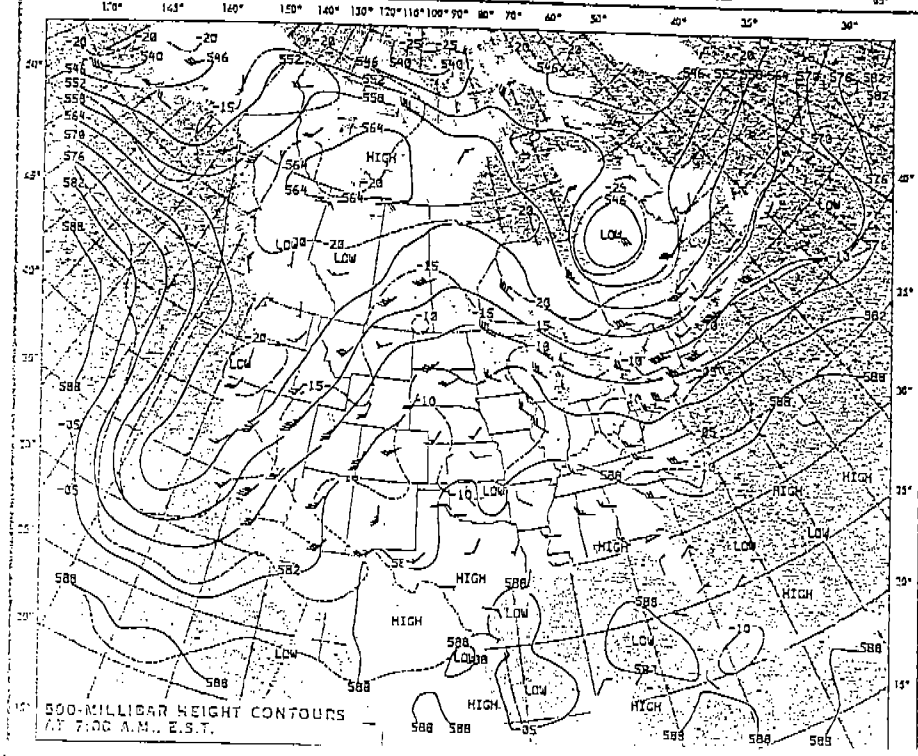
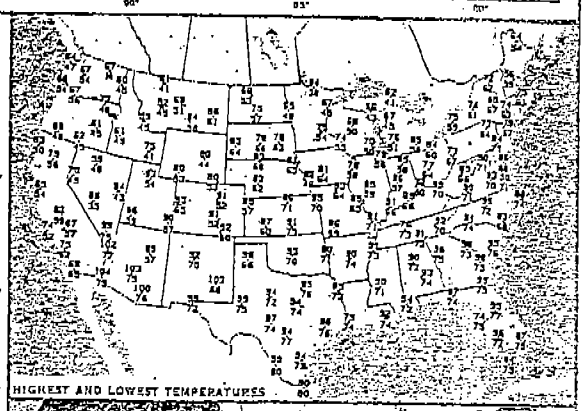
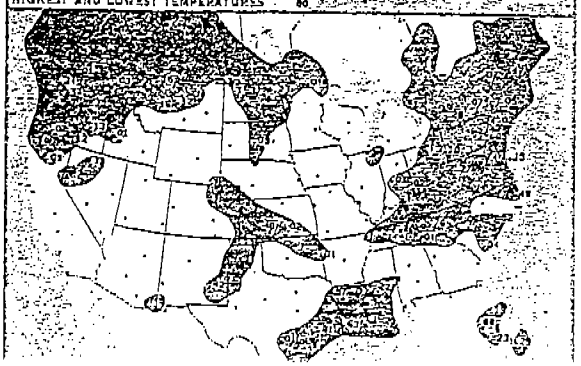
Backward Trajectories Ending- 20 UTC 25 JUN 96



TUESDAY, JUNE 25, 1996







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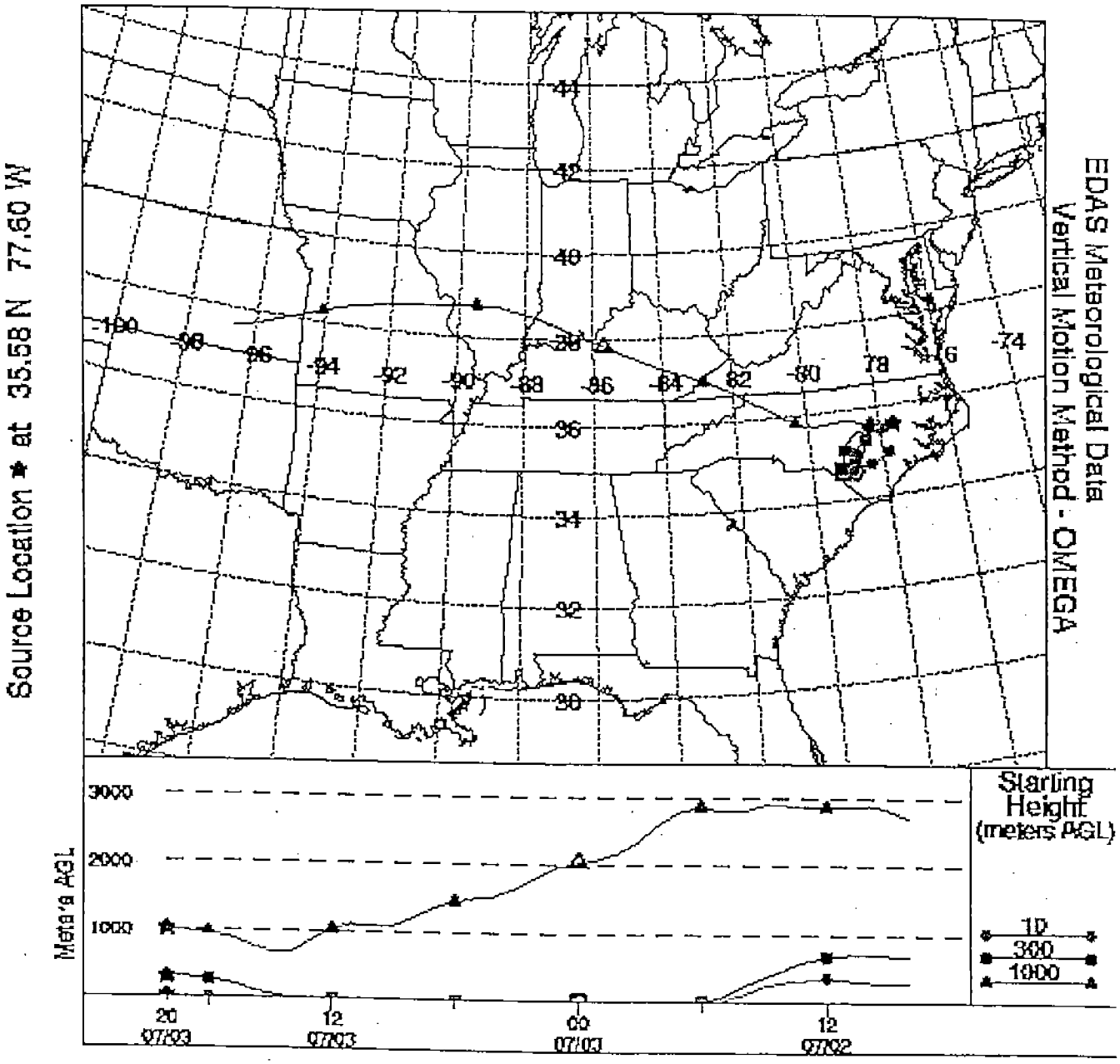
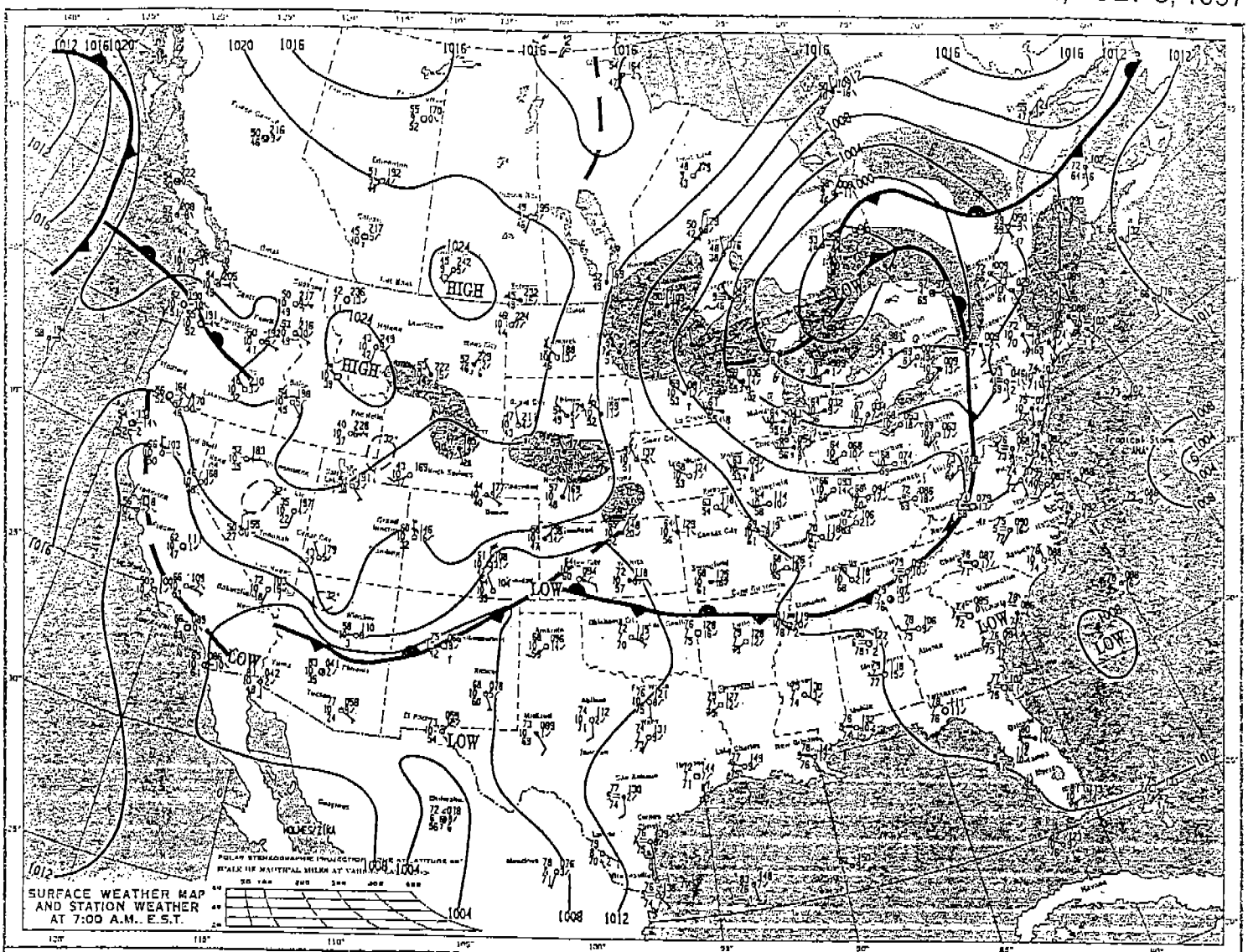
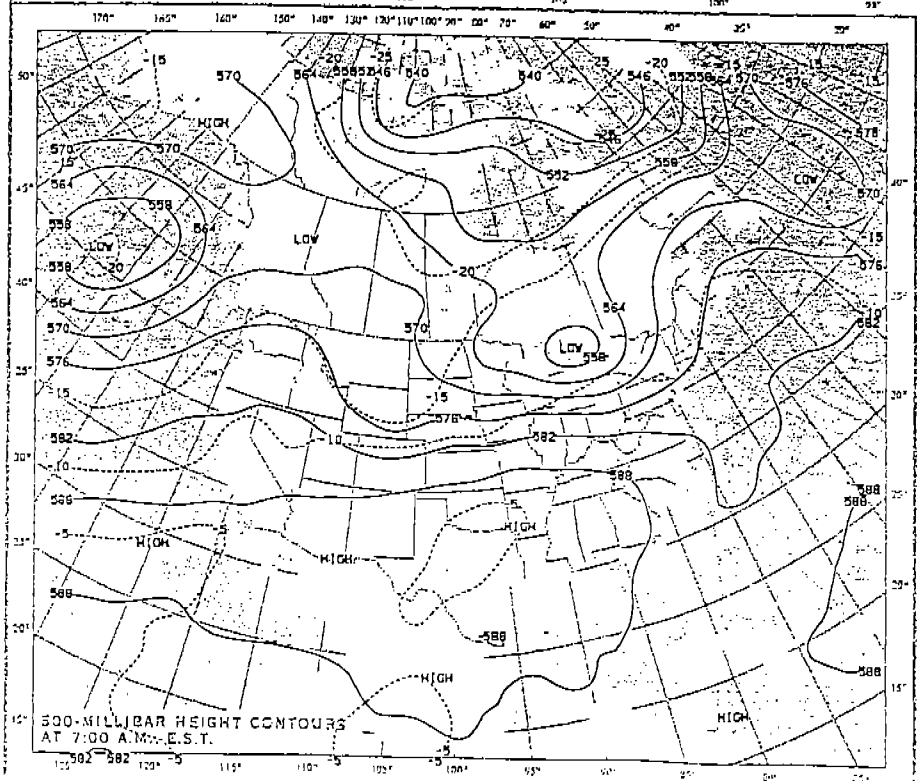
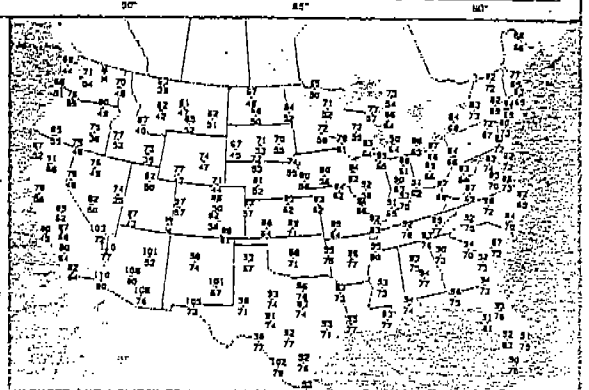
Backward Trajectories Ending- 20 UTC 03 JUL 97

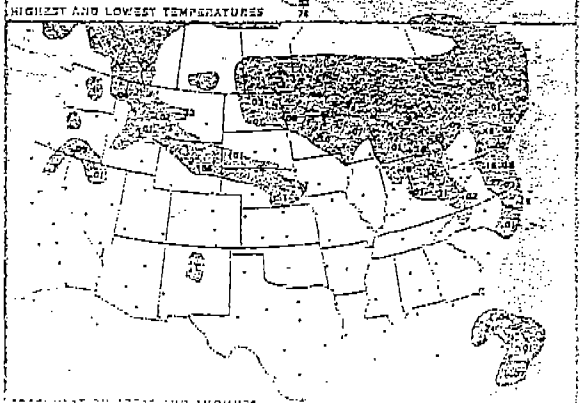


THURSDAY, JULY 3, 1997









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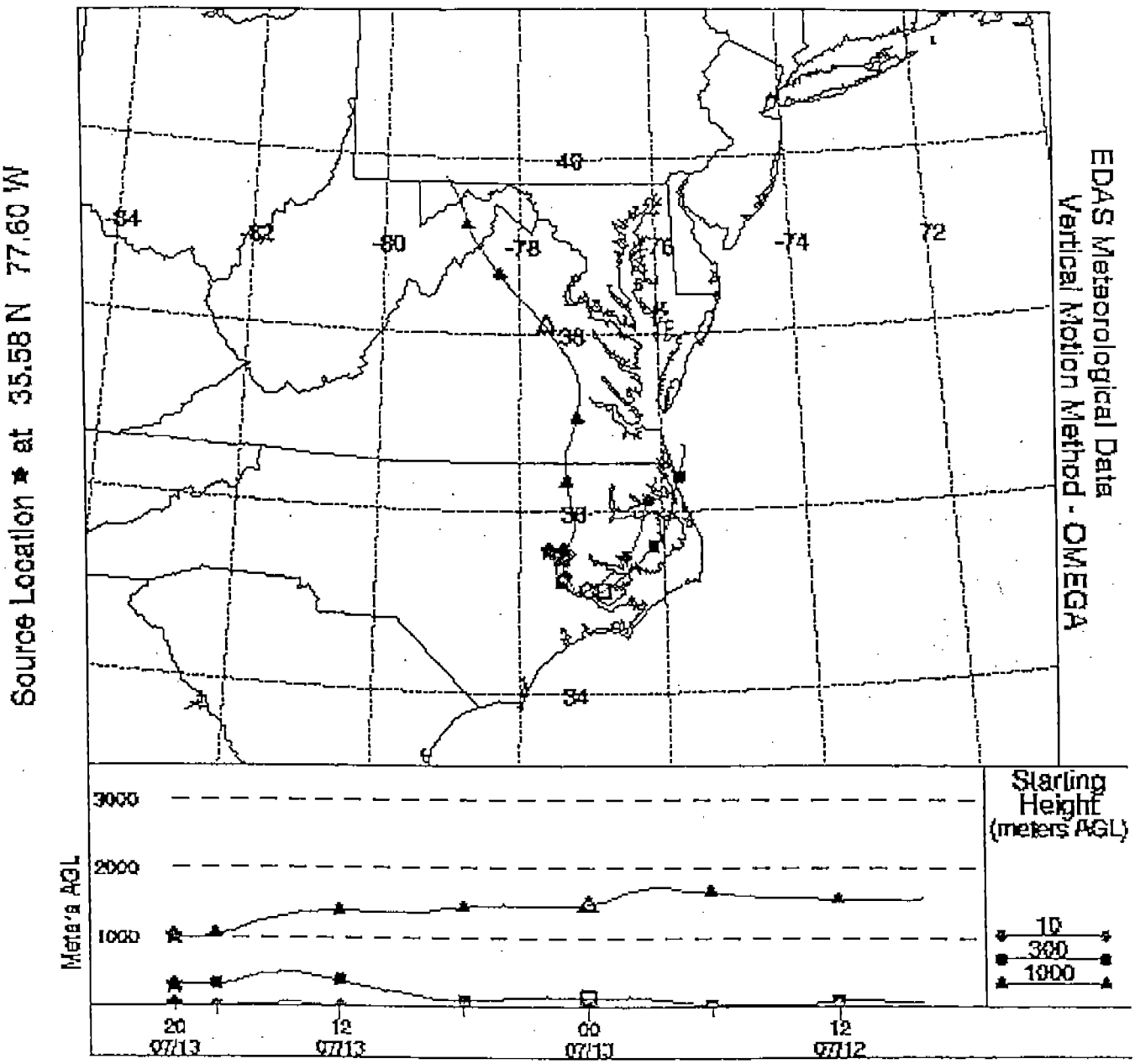
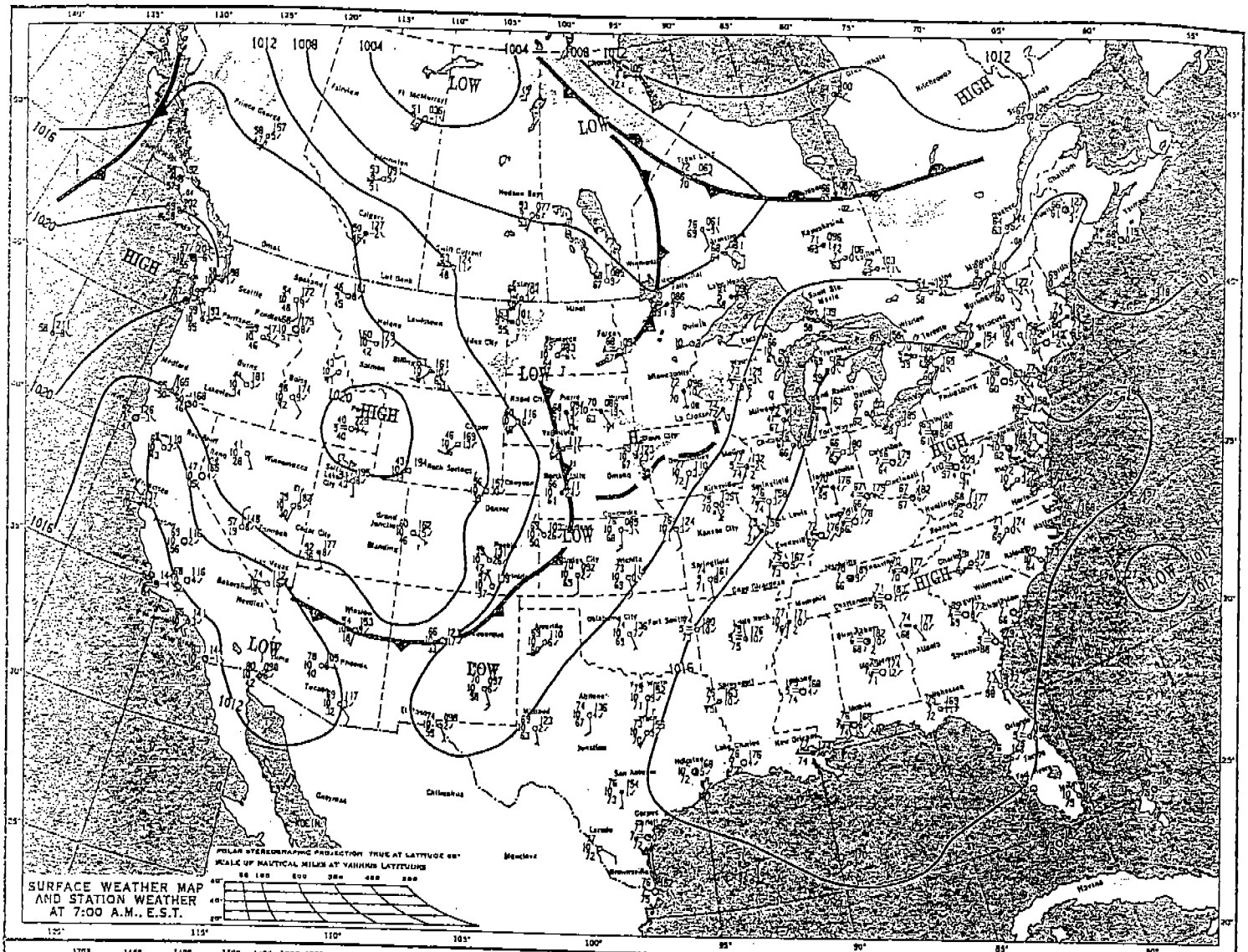
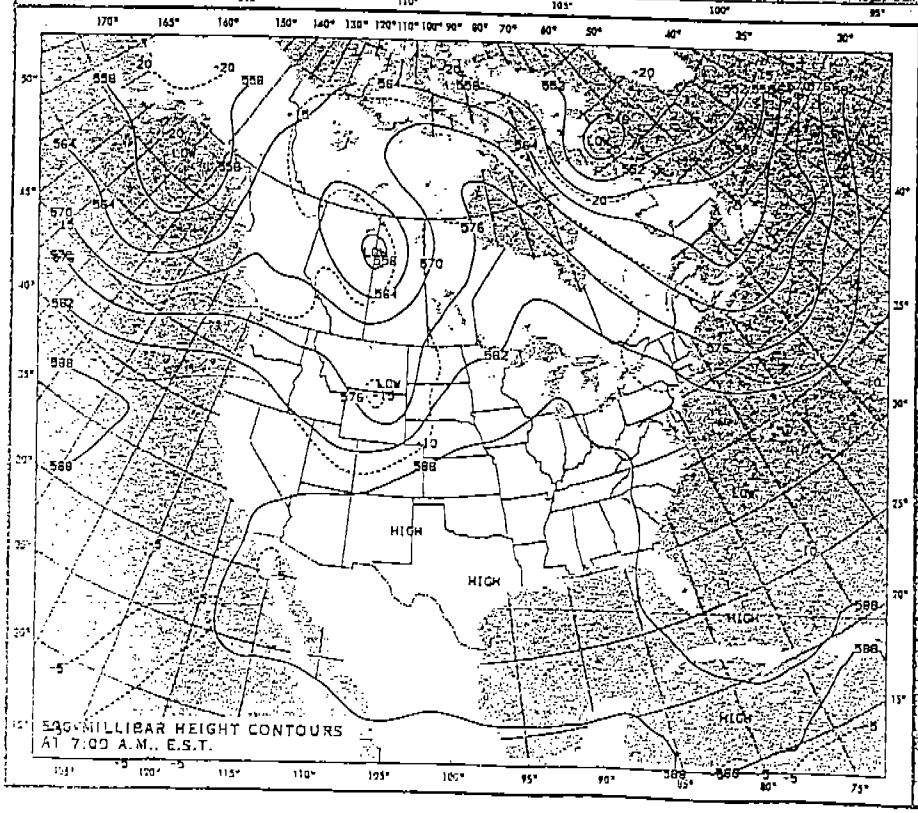
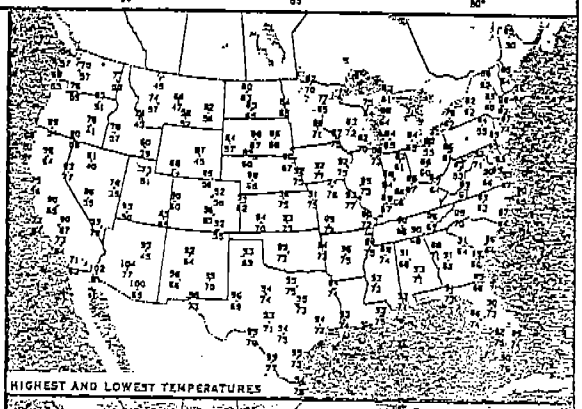
Backward Trajectories Ending- 20 UTC 13 JUL 97

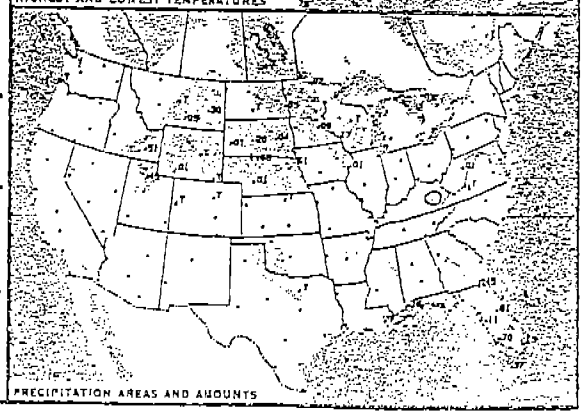


SUNDAY, JULY 13, 1997









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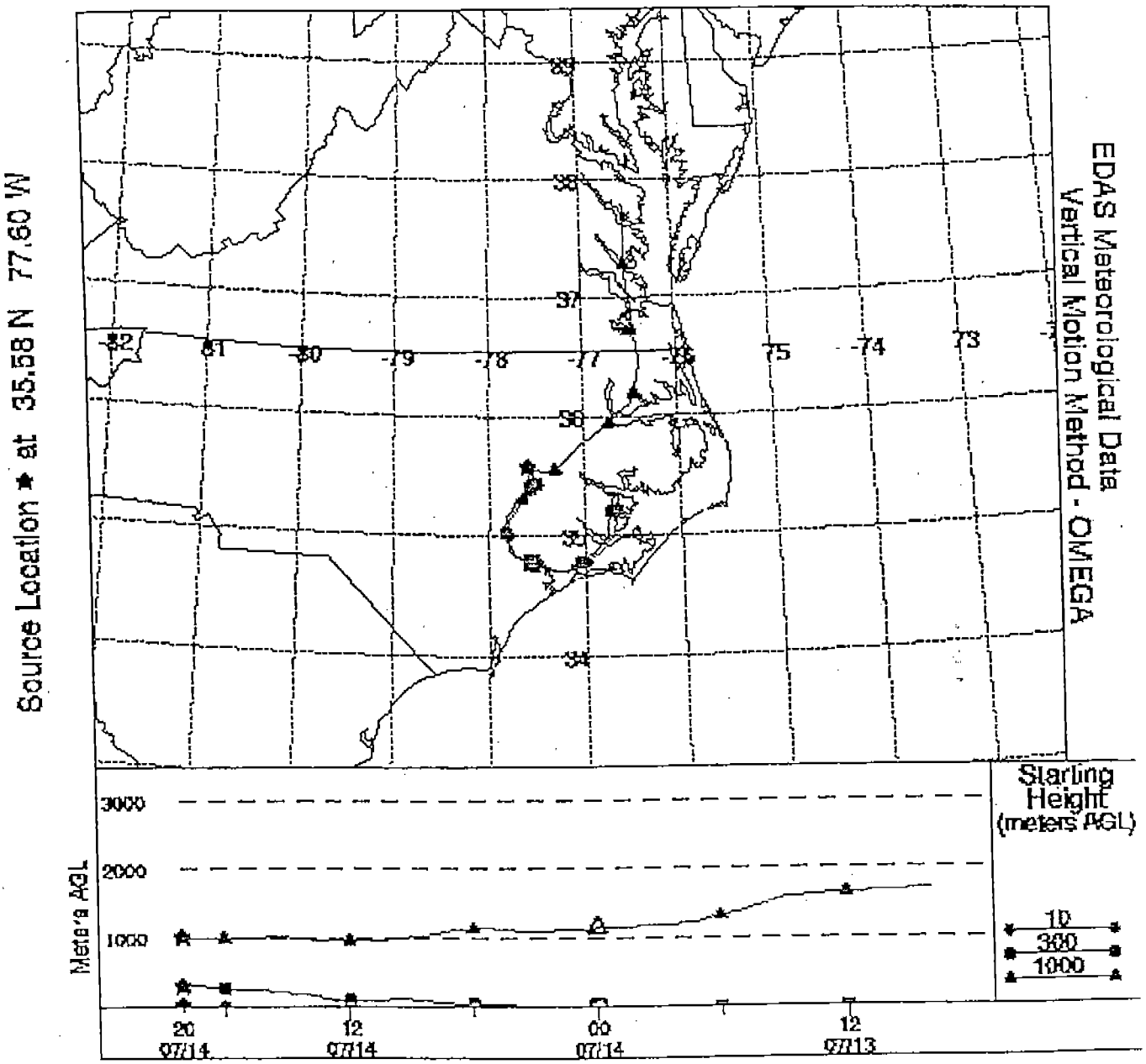
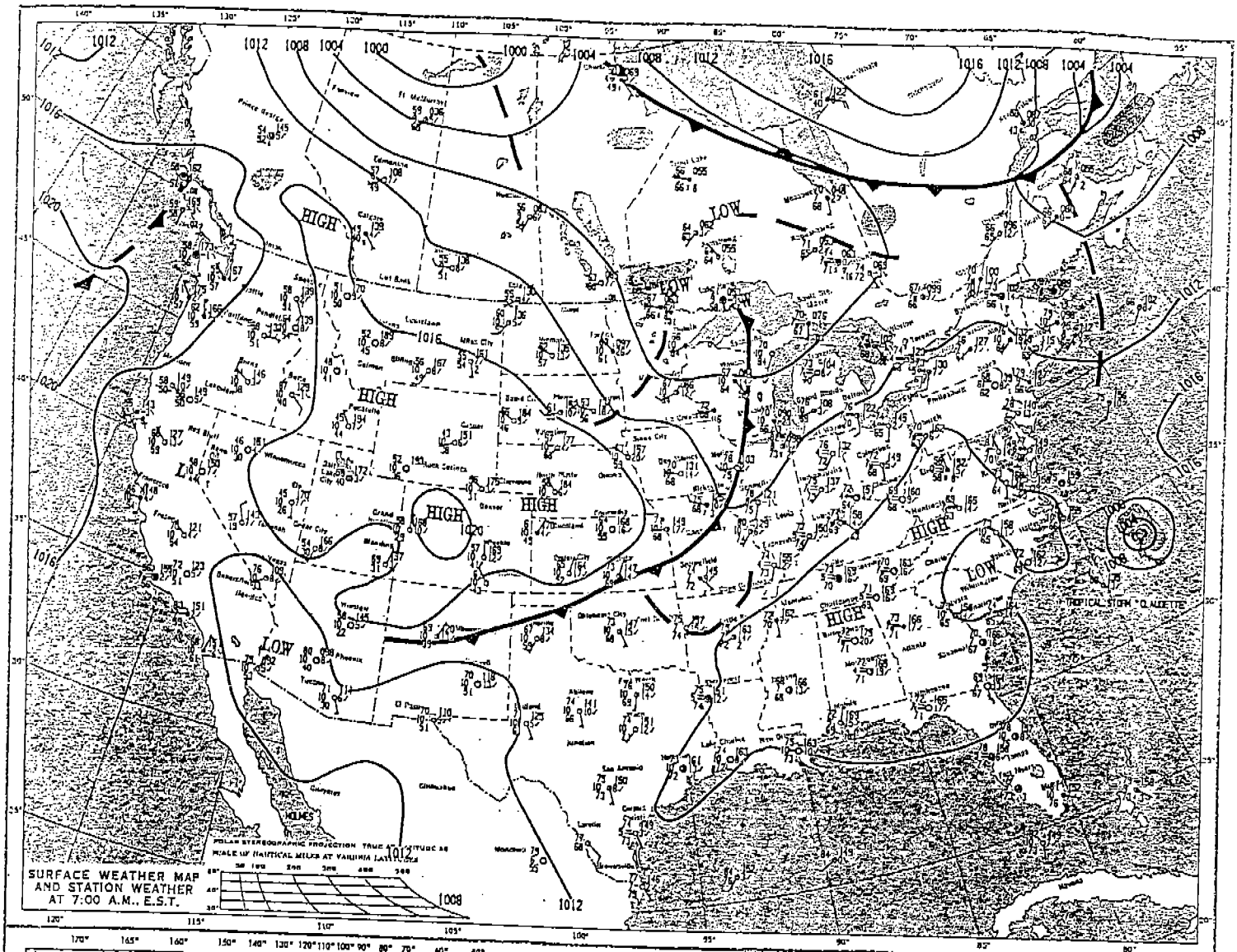
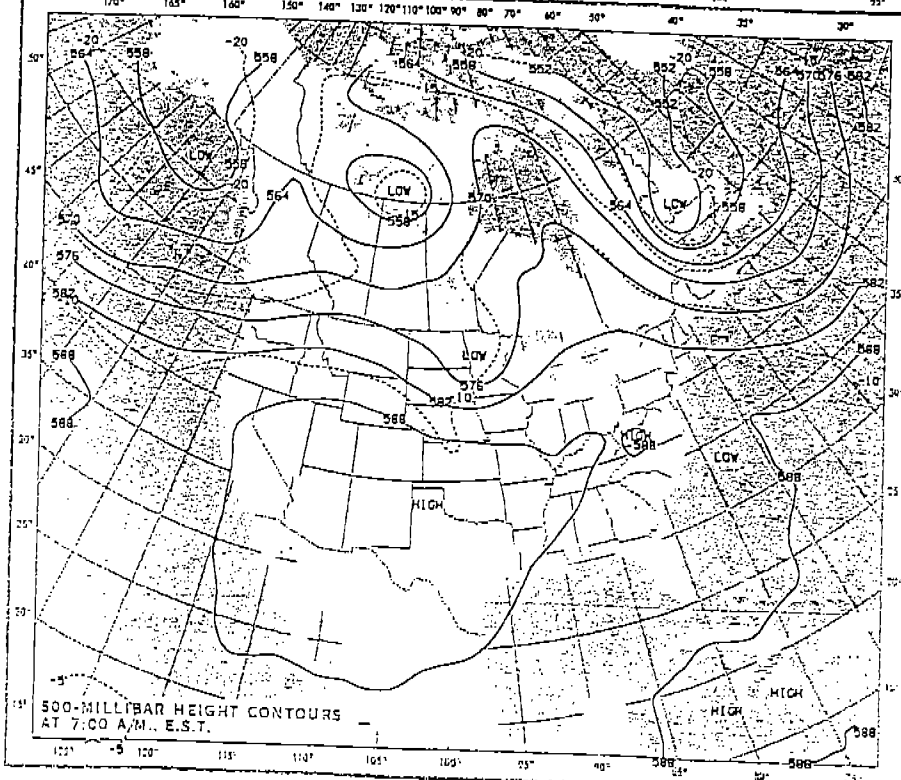
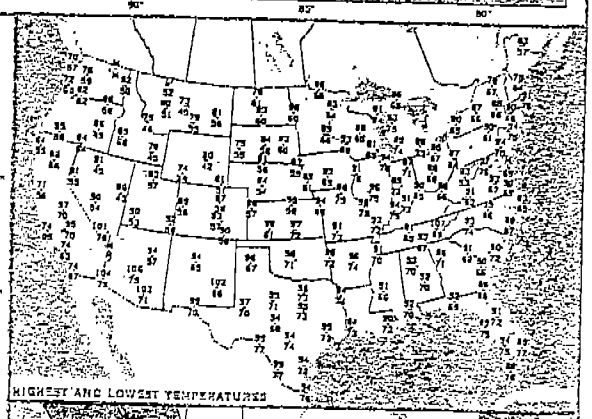
Backward Trajectories Ending- 20 UTC 14 JUL 97

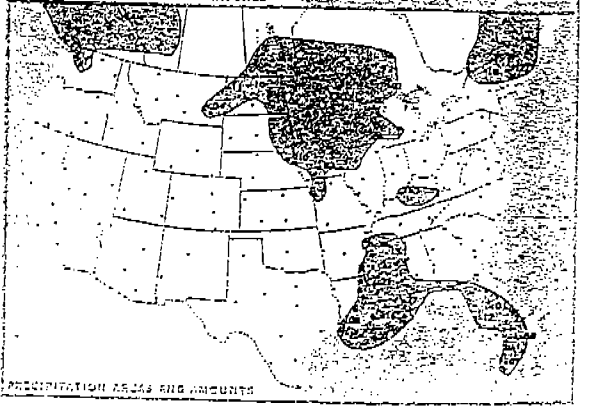


MONDAY, JULY 14, 1997









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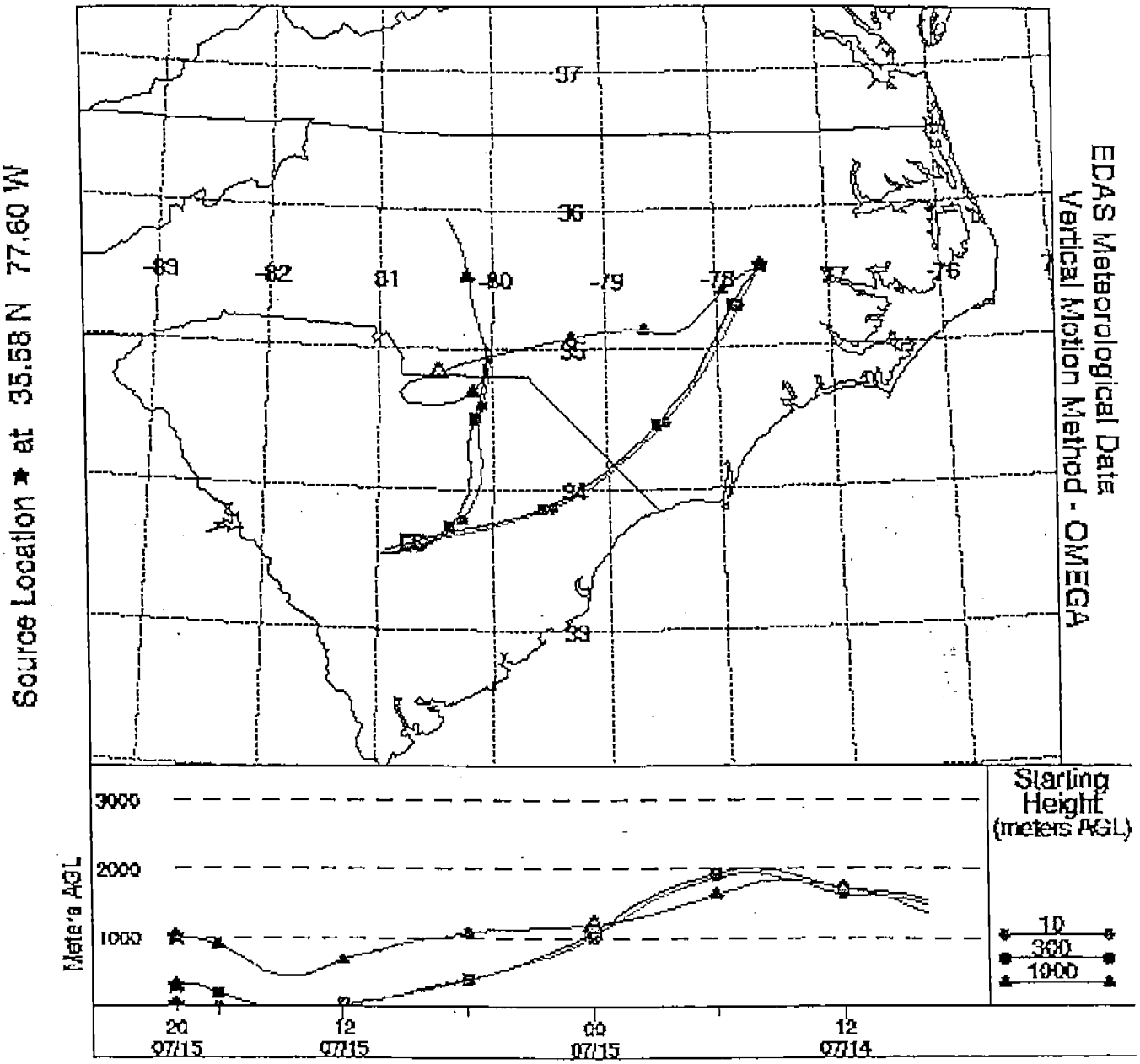
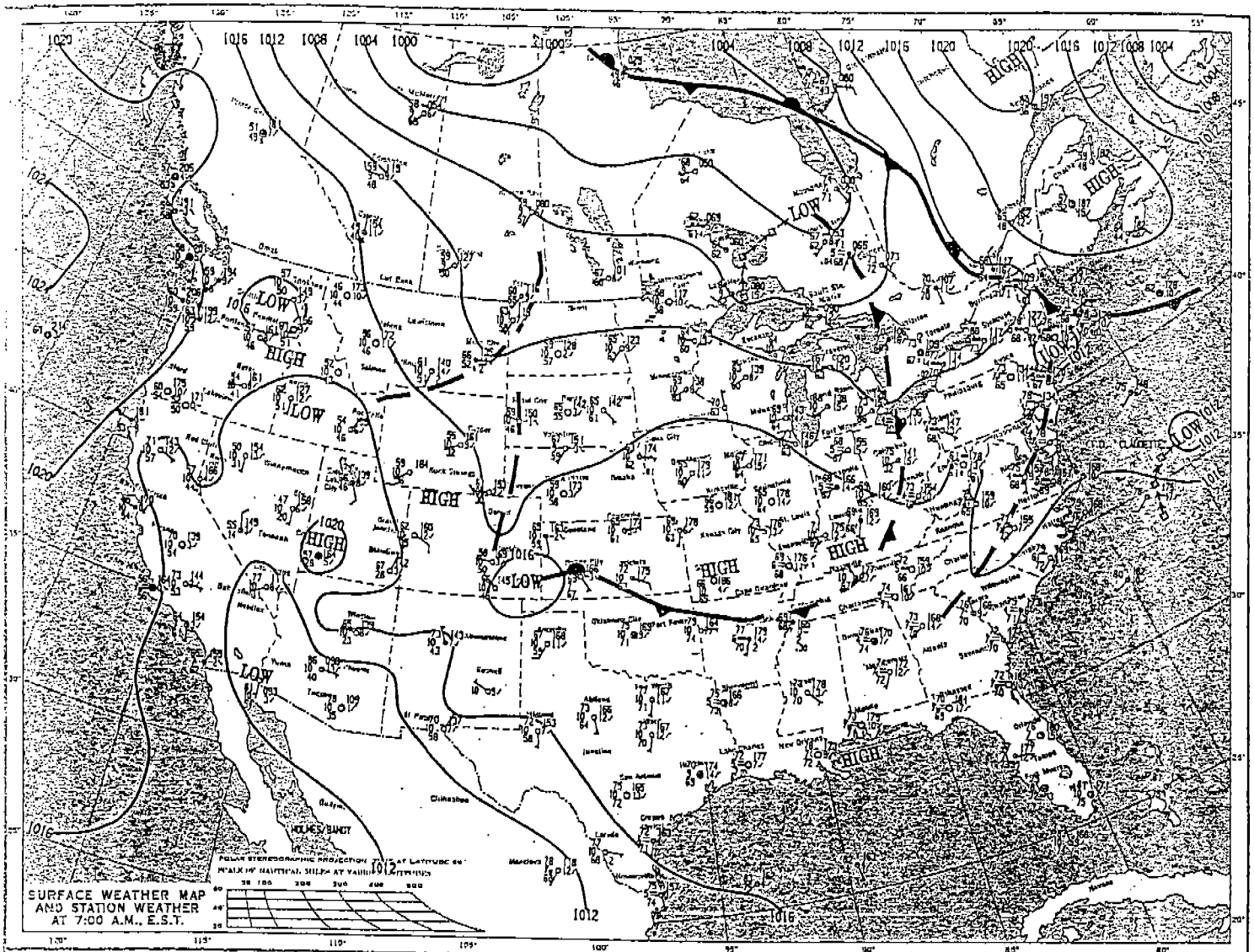
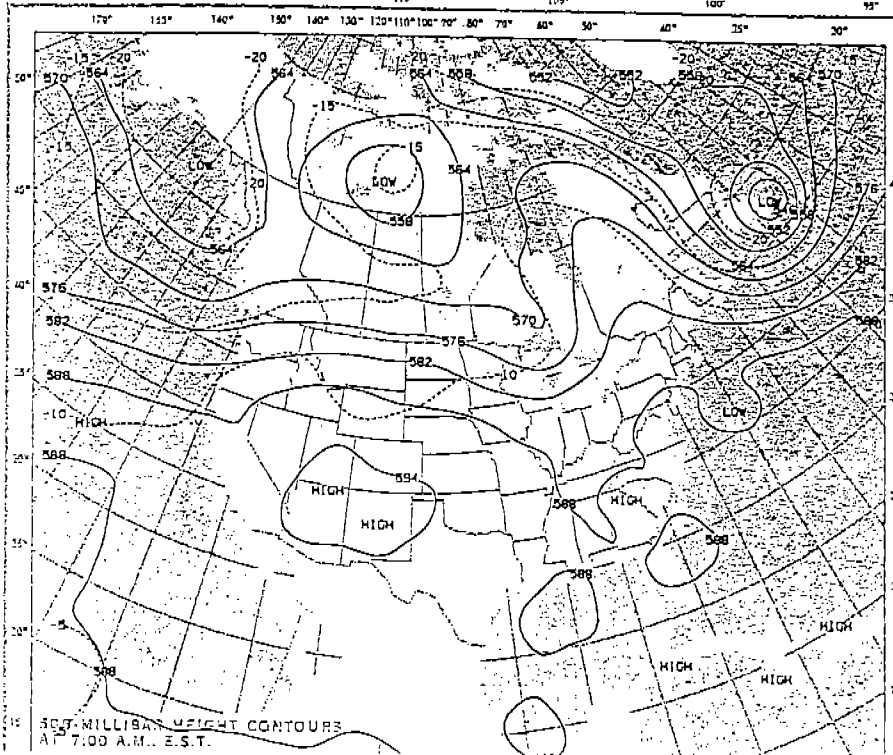
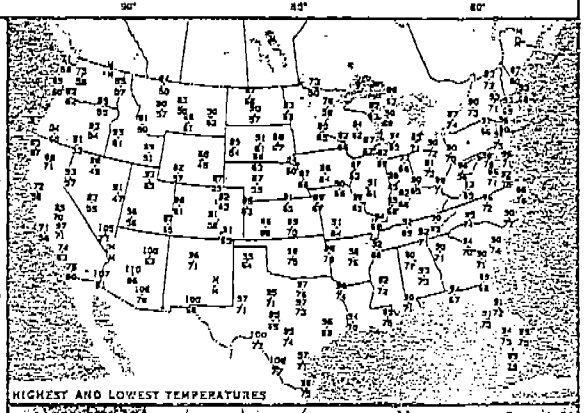
Backward Trajectories Ending- 20 UTC 15 JUL 97

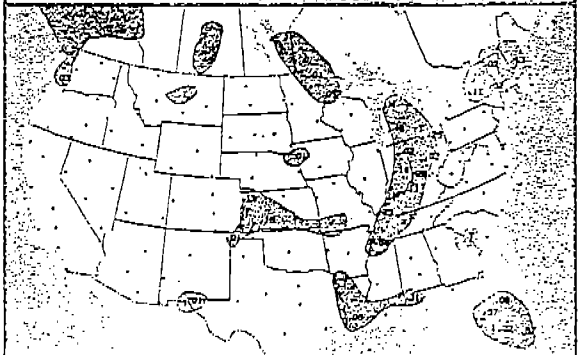


TUESDAY, JULY 15, 1997









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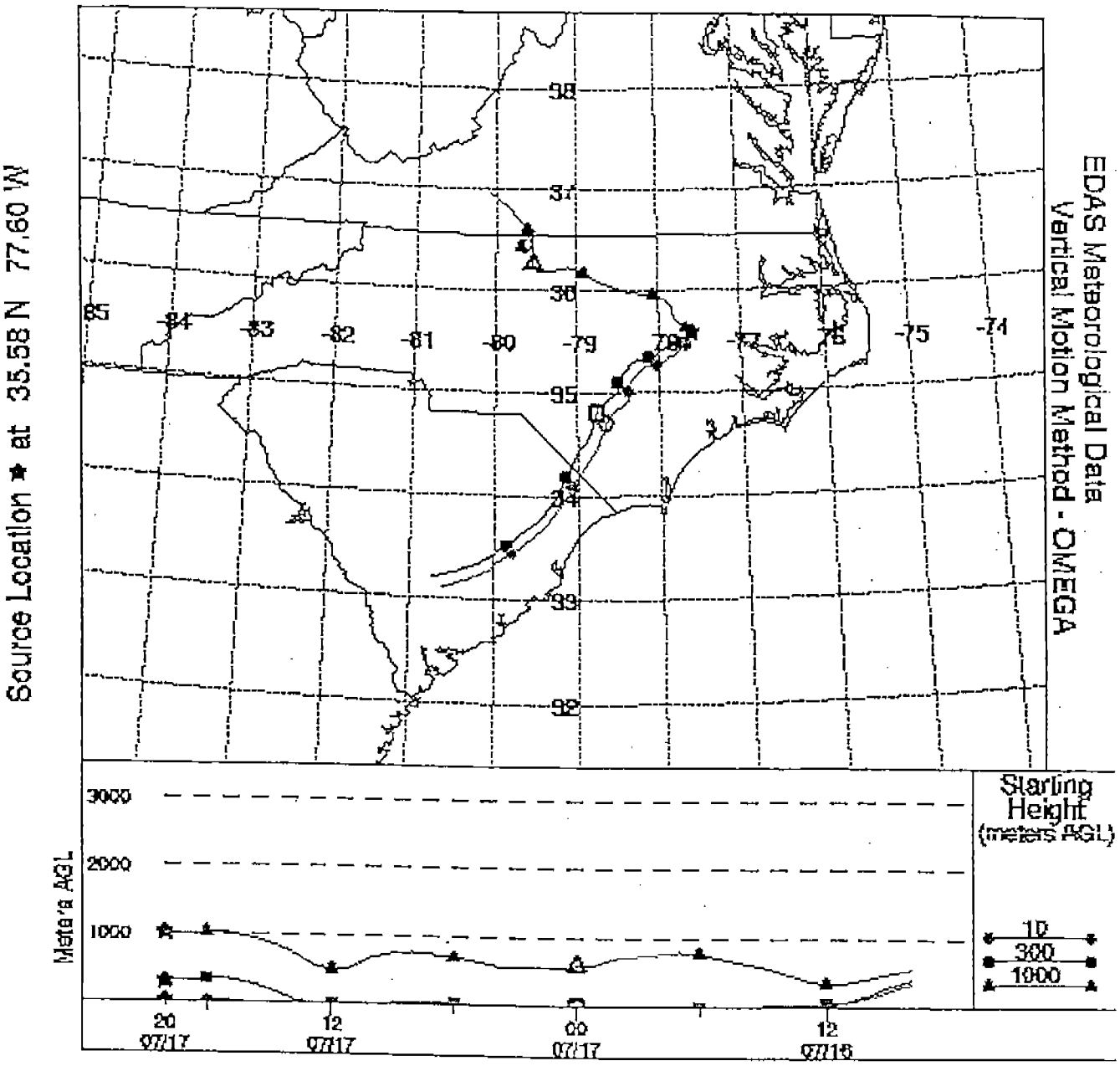
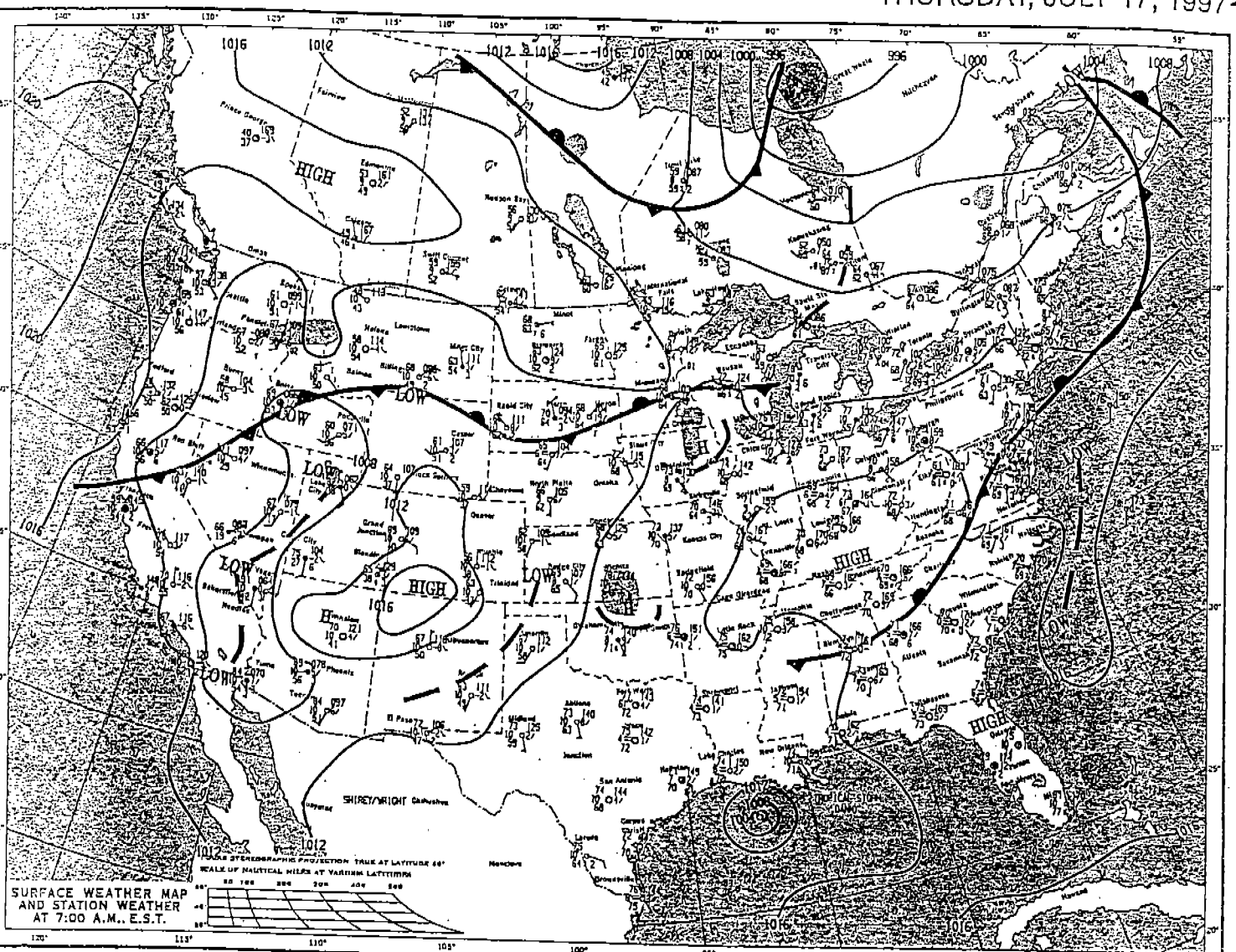
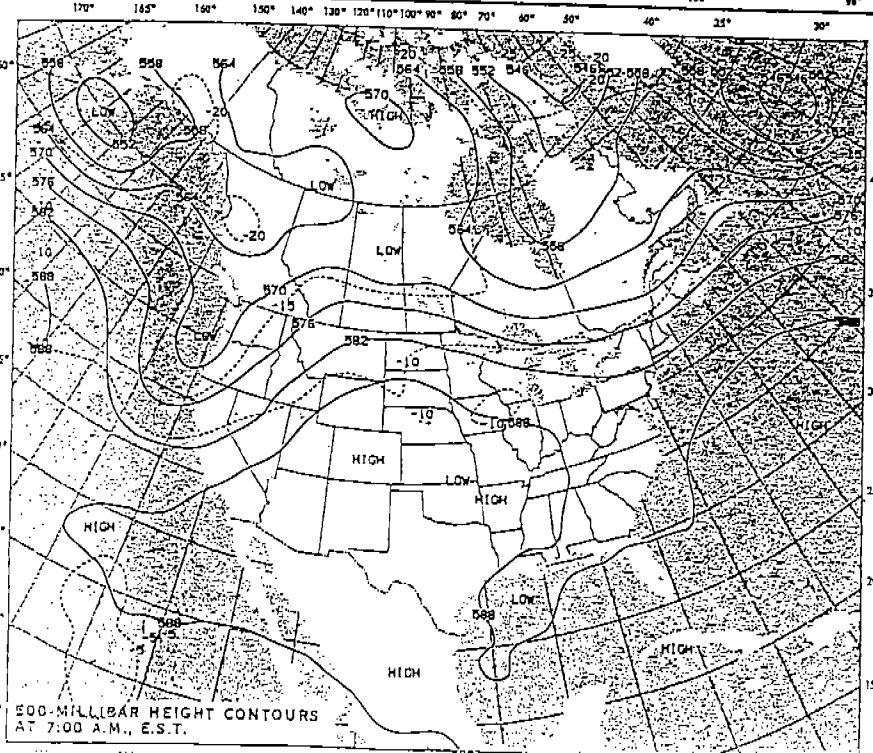
Backward Trajectories Ending- 20 UTC 17 JUL 97



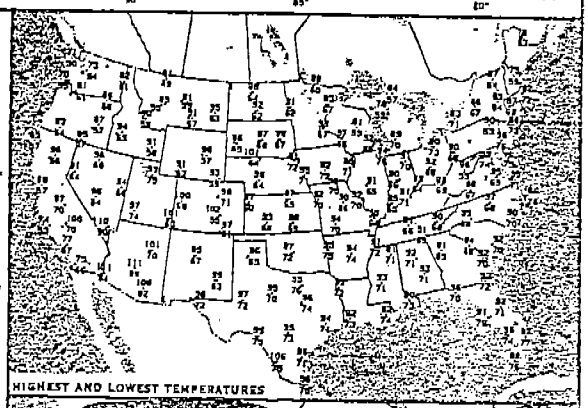
THURSDAY, JULY 17, 1997



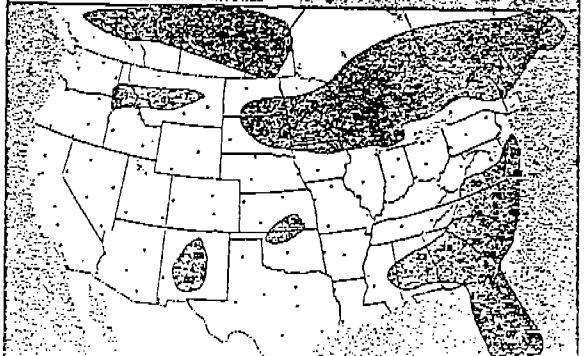
SURFACE WEATHER MAP AND STATION WEATHER AT 7:00 A.M., E.S.T.



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



HIGHEST AND LOWEST TEMPERATURES



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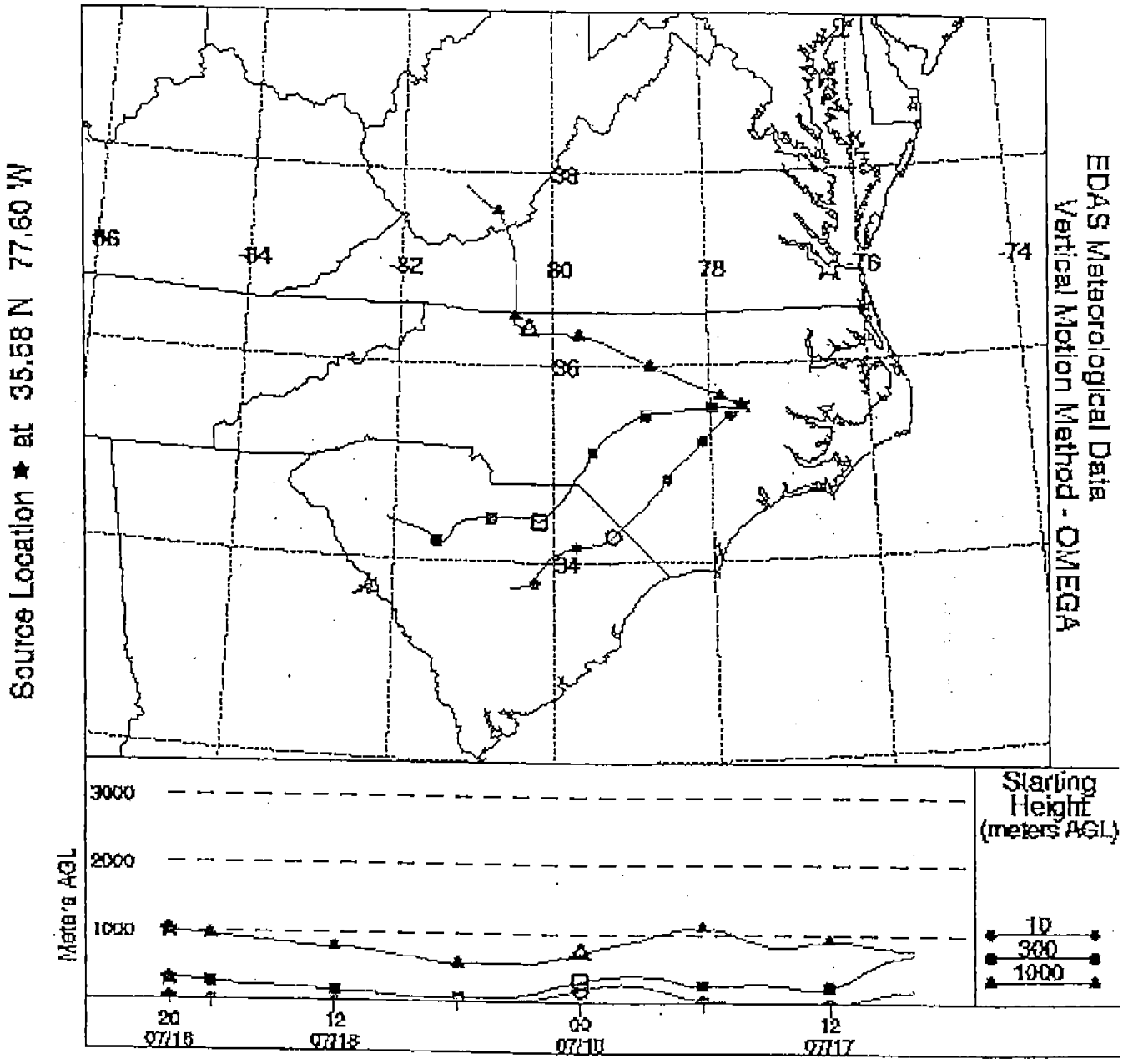
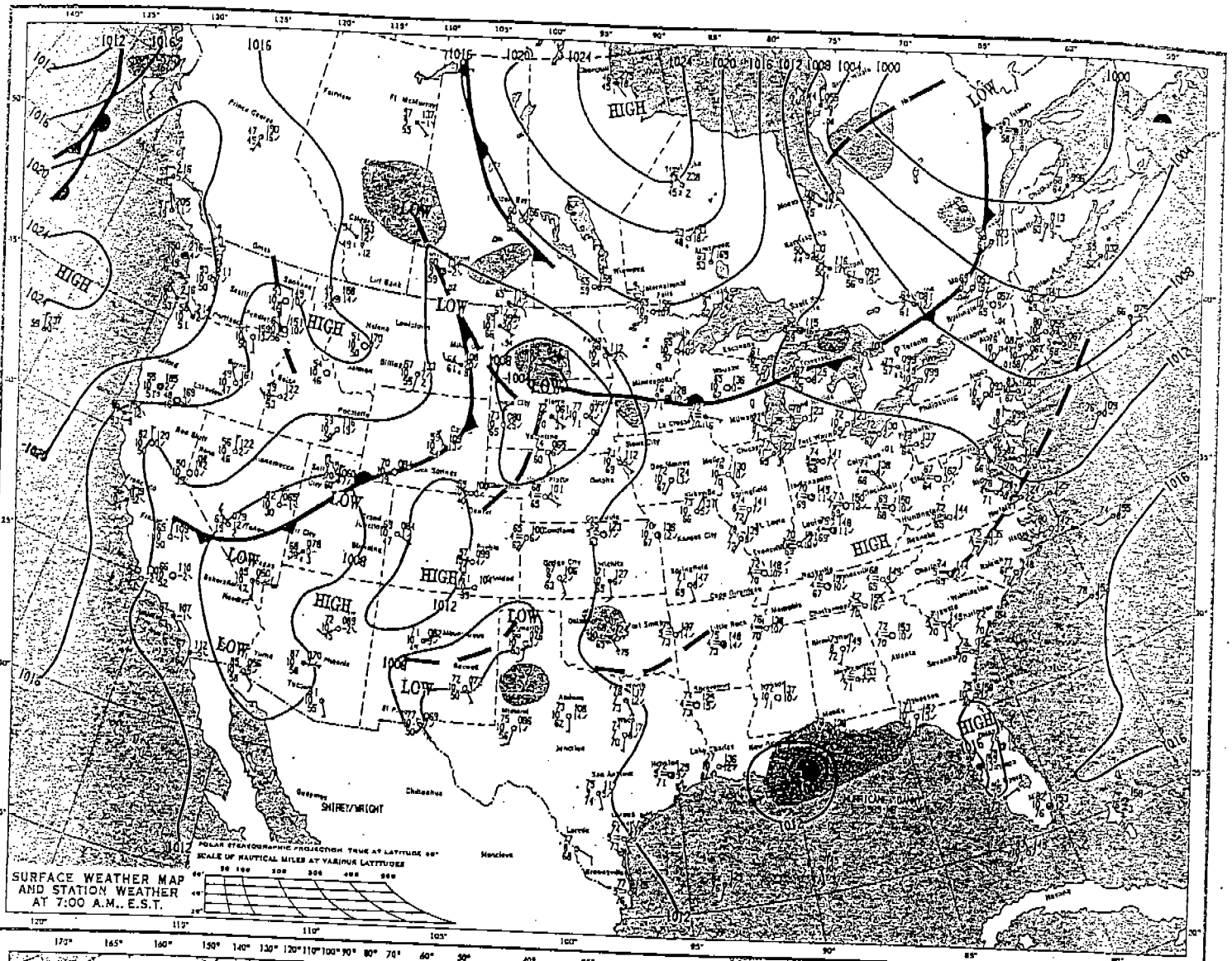
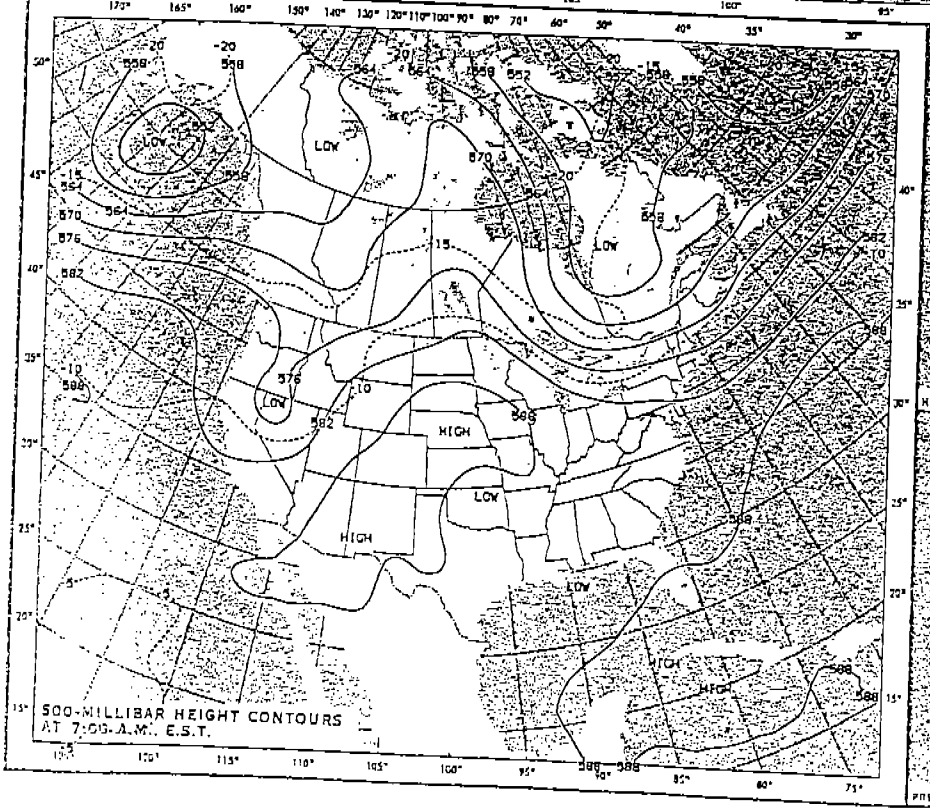
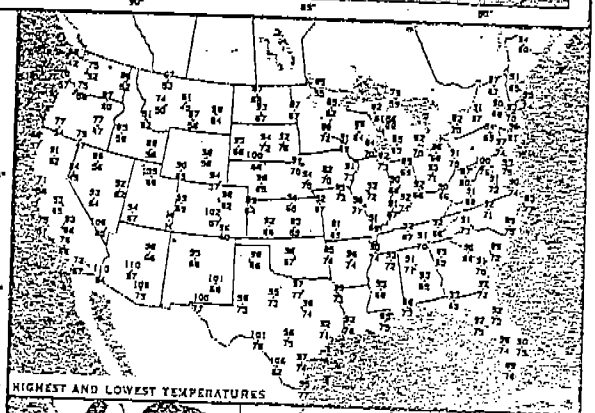
Backward Trajectories Ending- 20 UTC 18 JUL 97



FRIDAY, JULY 18, 1997







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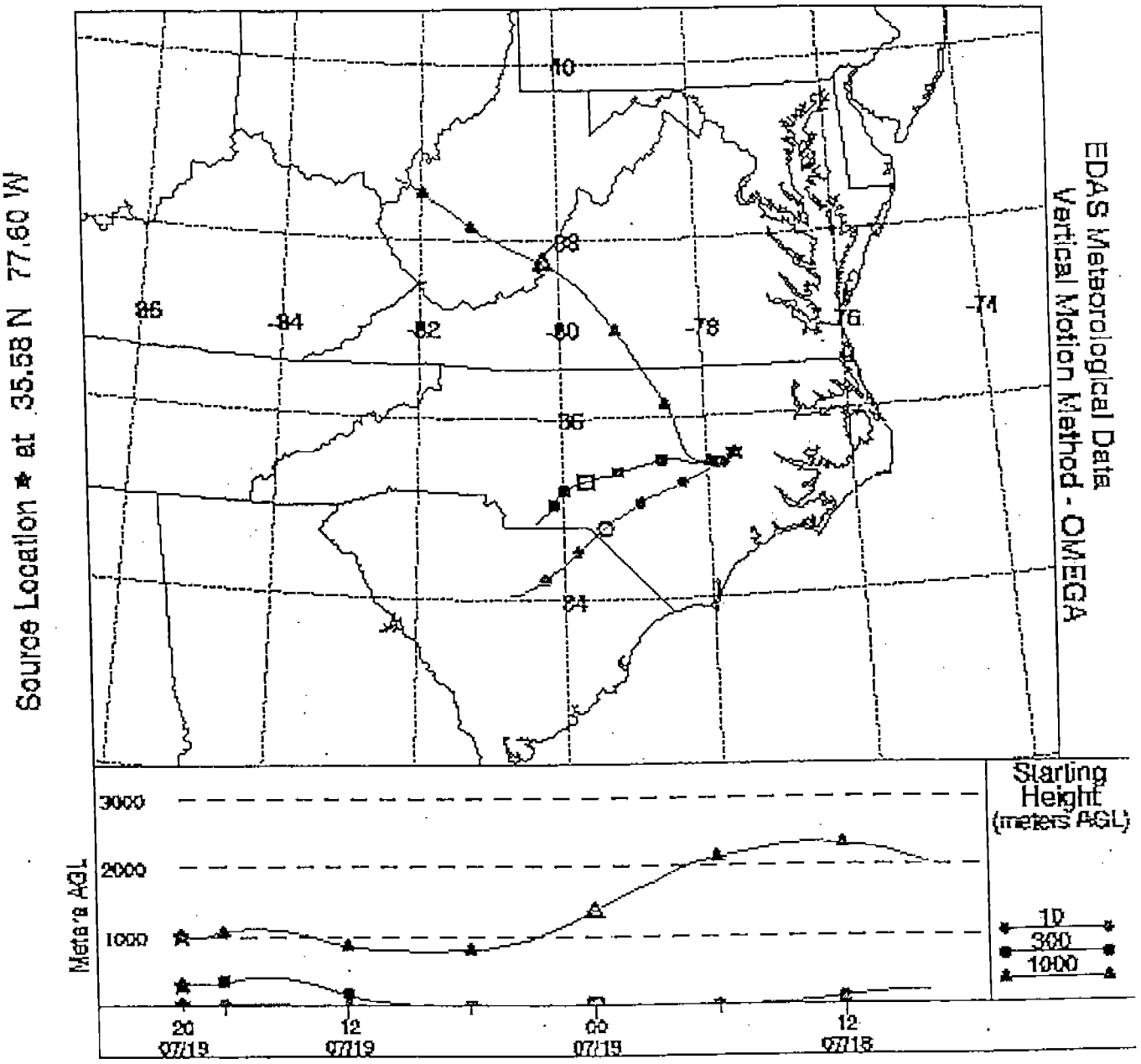
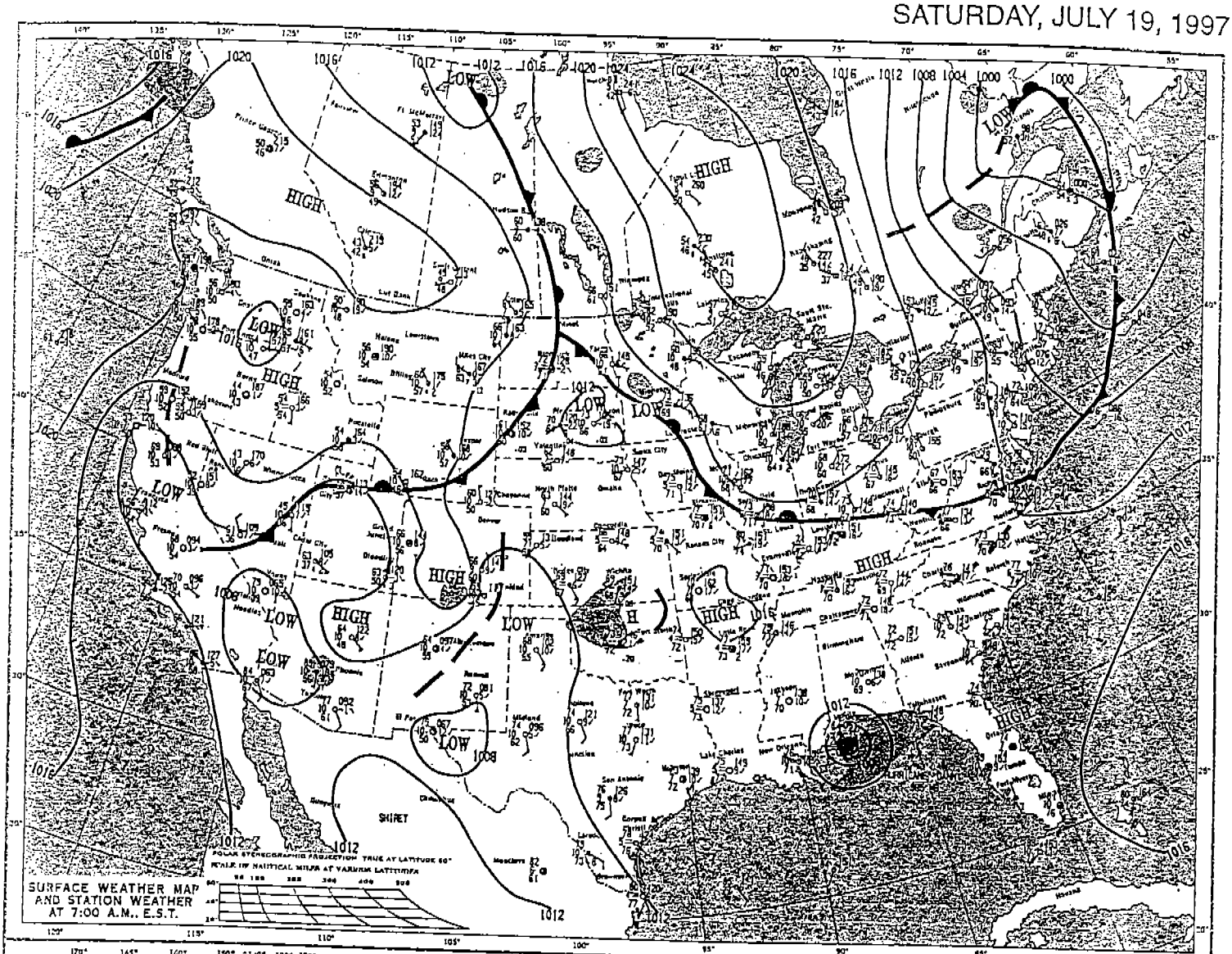
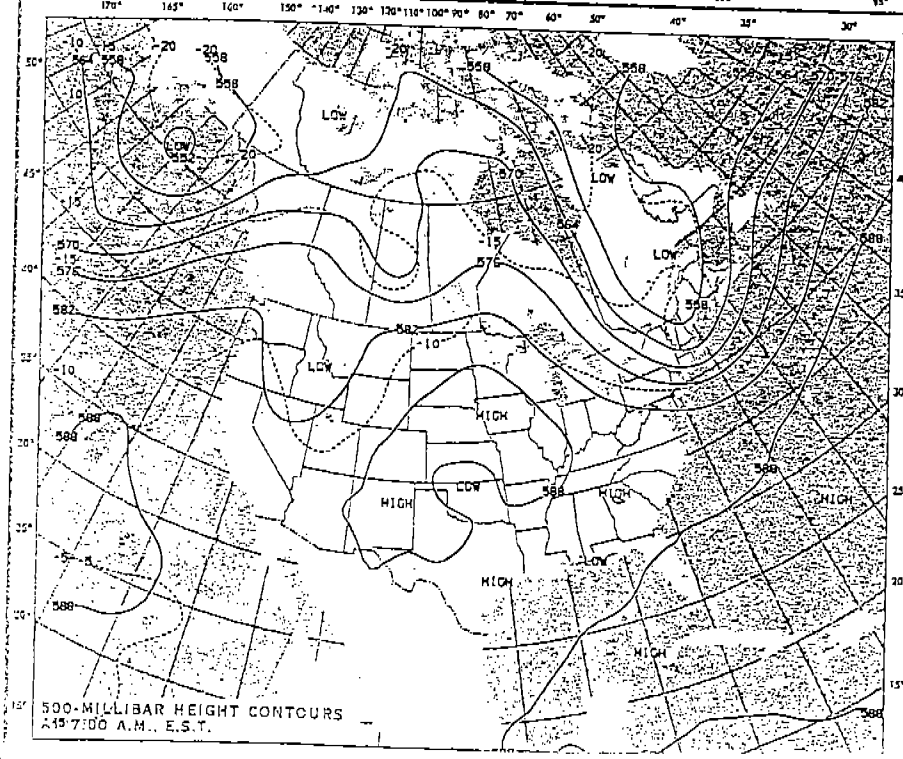
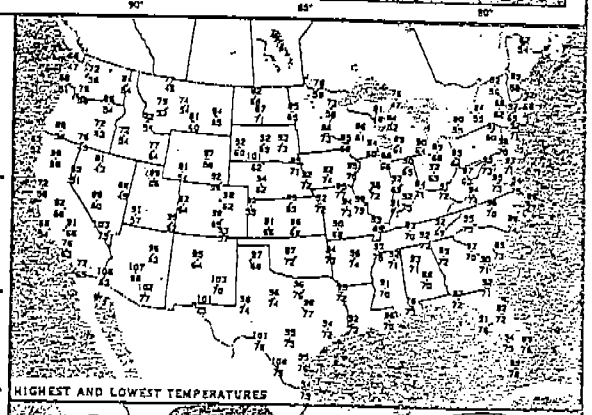
Backward Trajectories Ending- 20 UTC 19 JUL 97

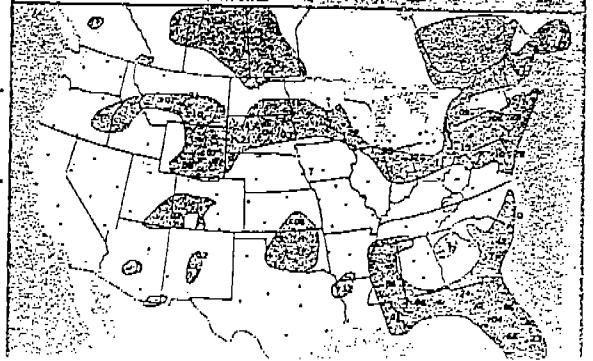


SATURDAY, JULY 19, 1997









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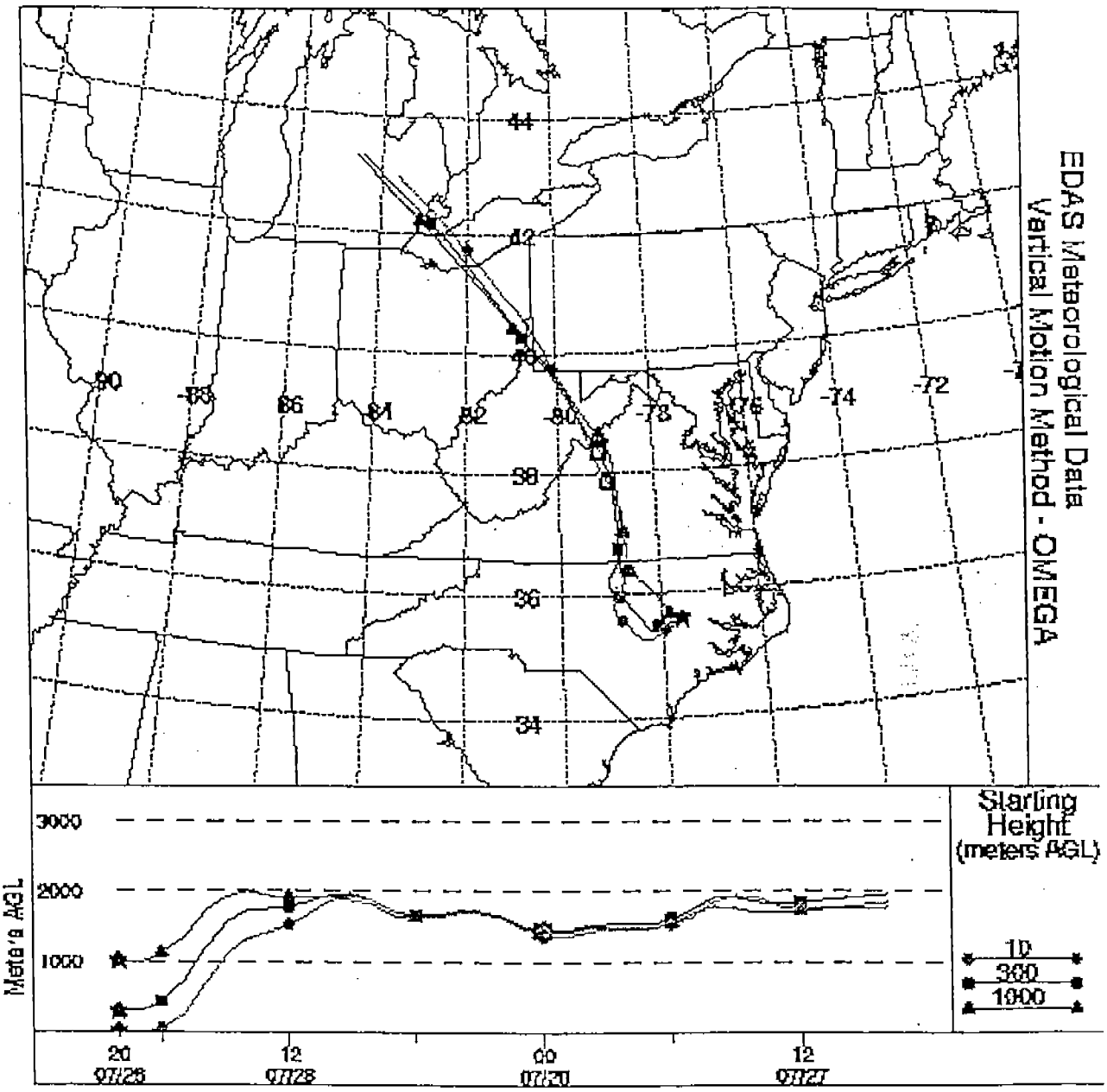
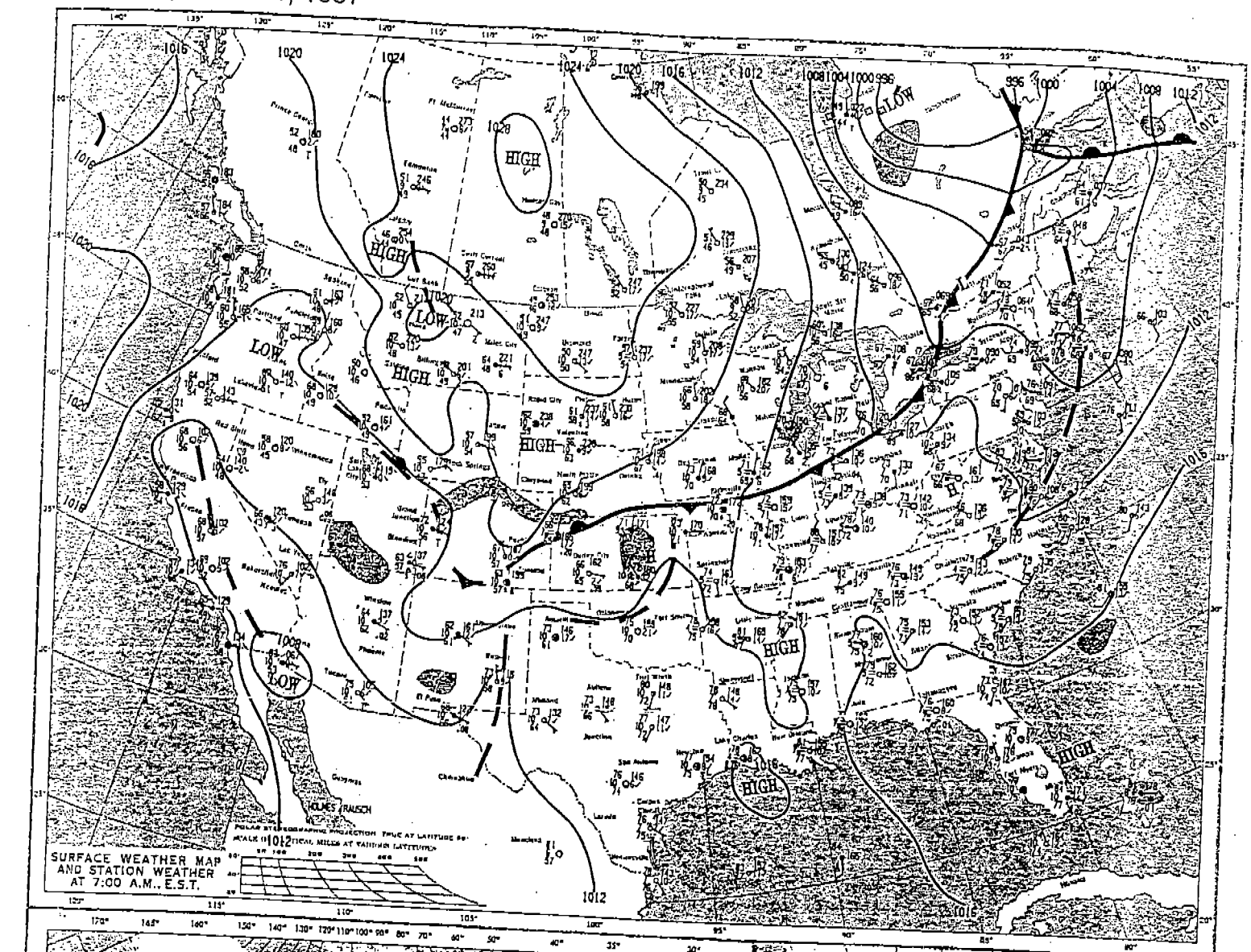
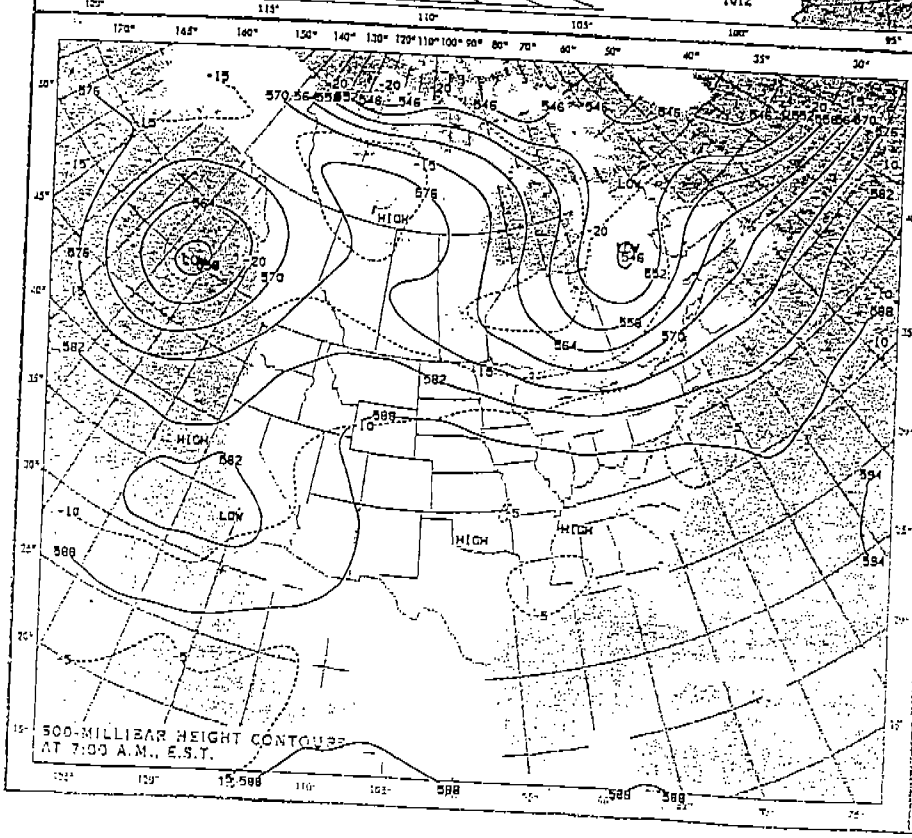
Backward Trajectories Ending- 20 UTC 28 JUL 97

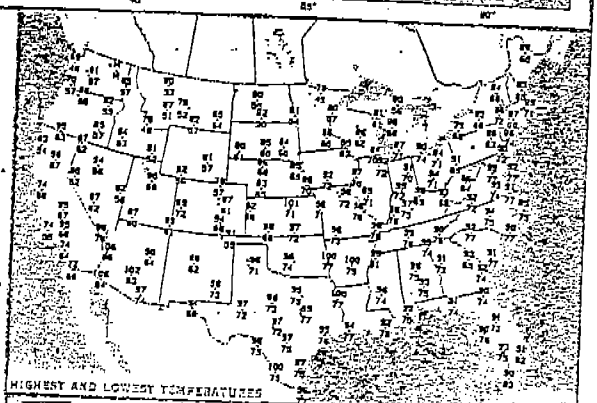
Source Location ★ at 35.58 N 77.60 W



MONDAY, JULY 28, 1997







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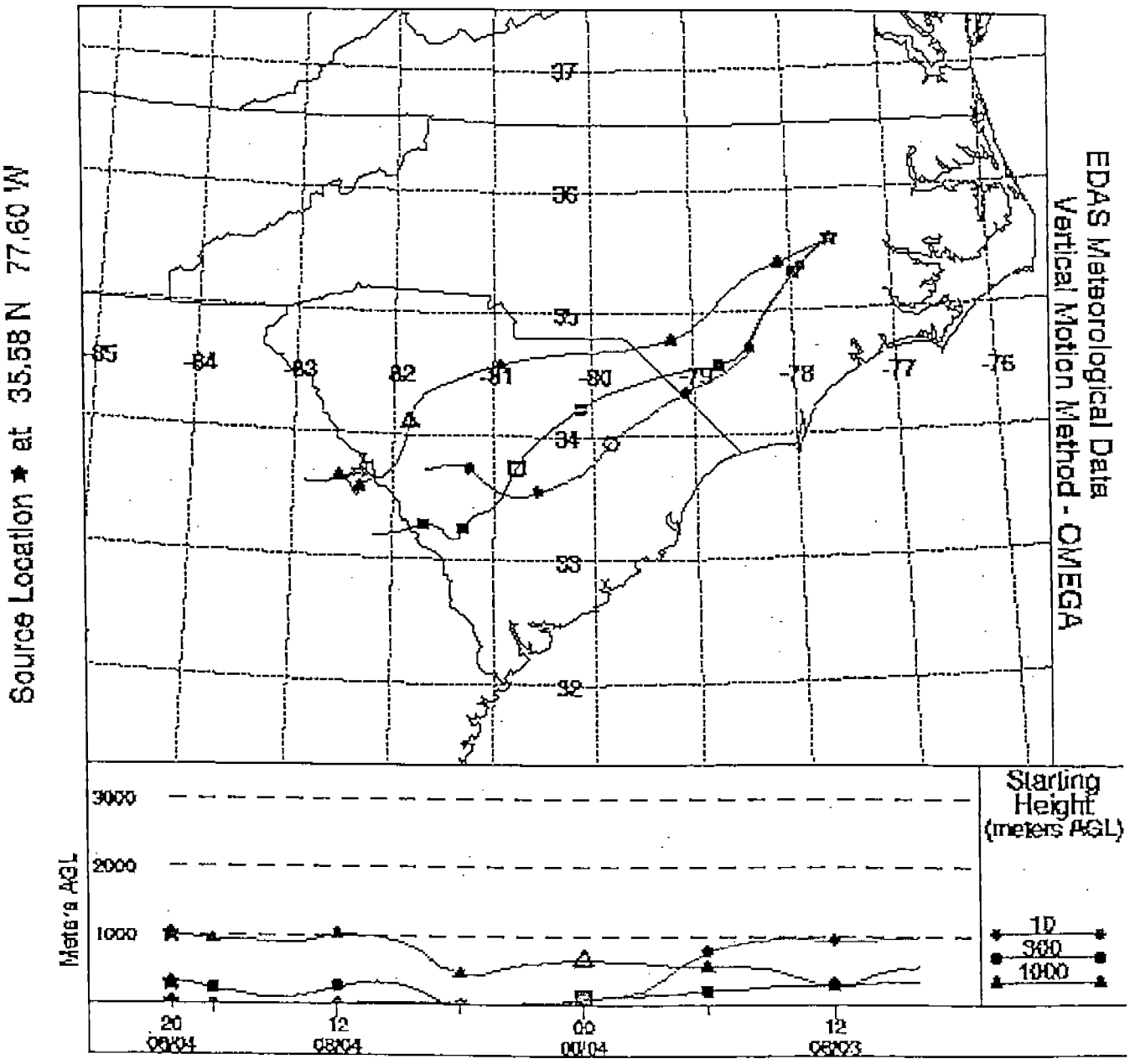
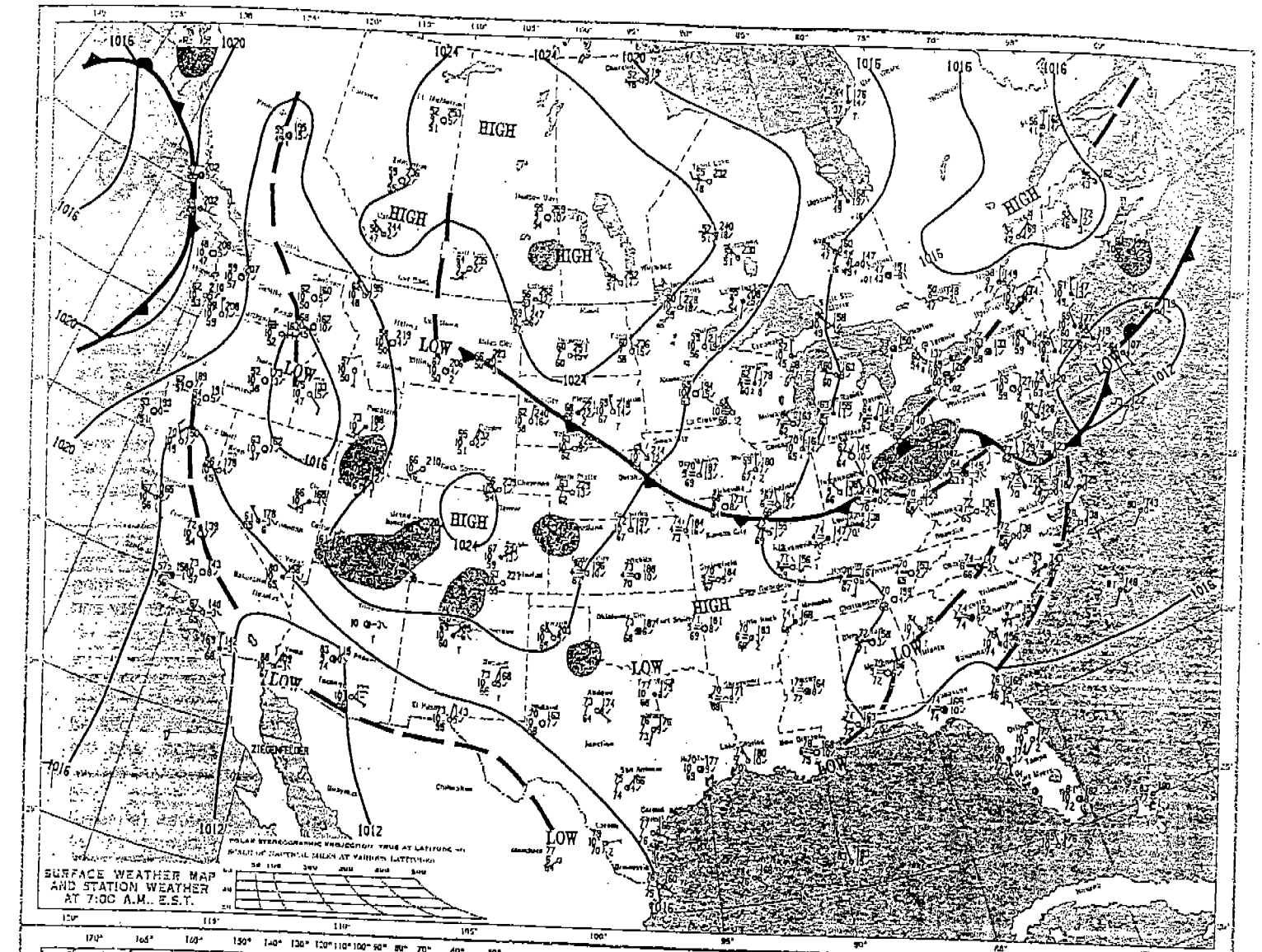
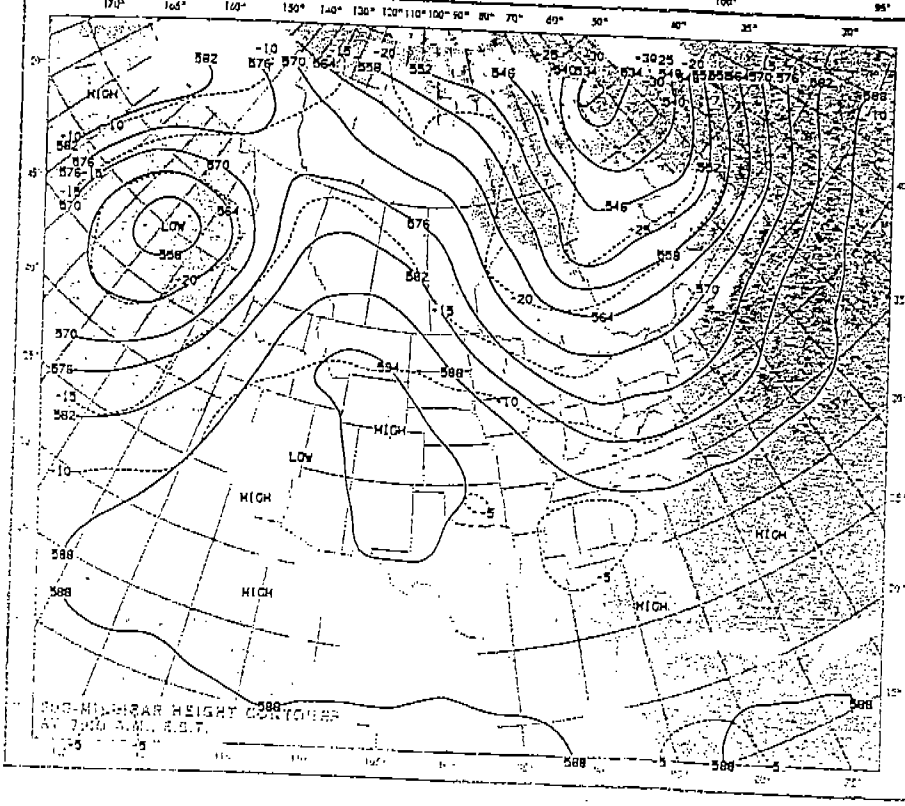
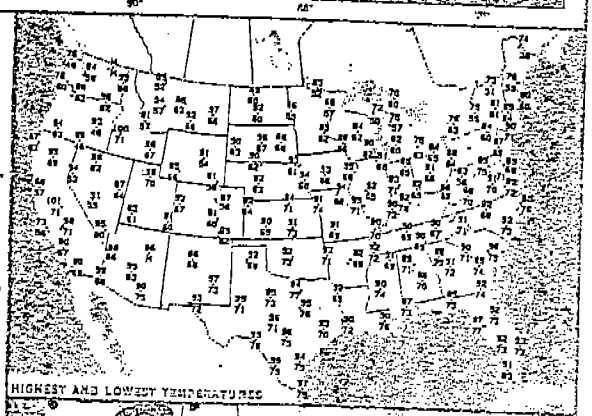
Backward Trajectories Ending- 20 UTC 04 AUG 97



MONDAY, AUGUST 4, 1997







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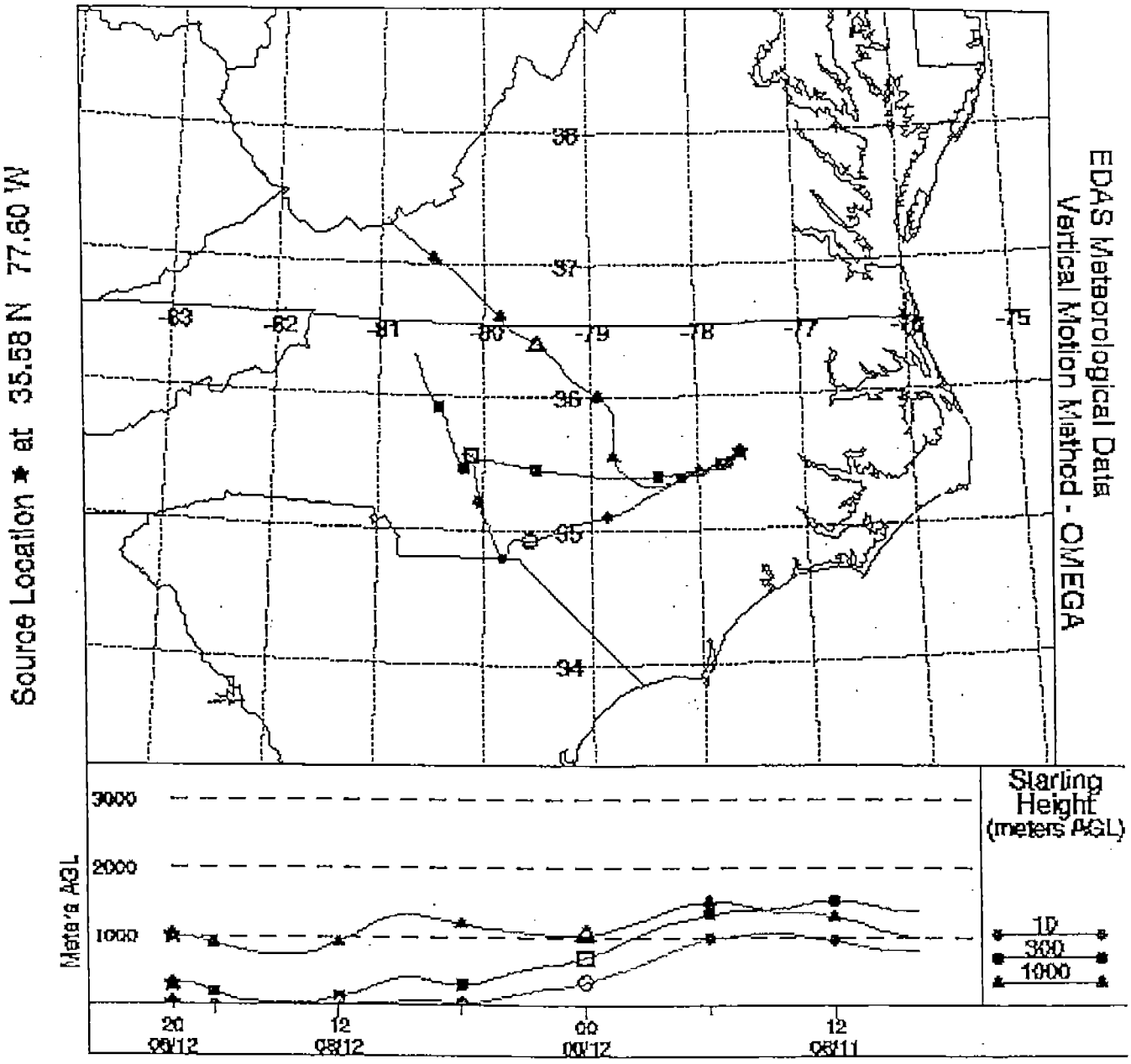
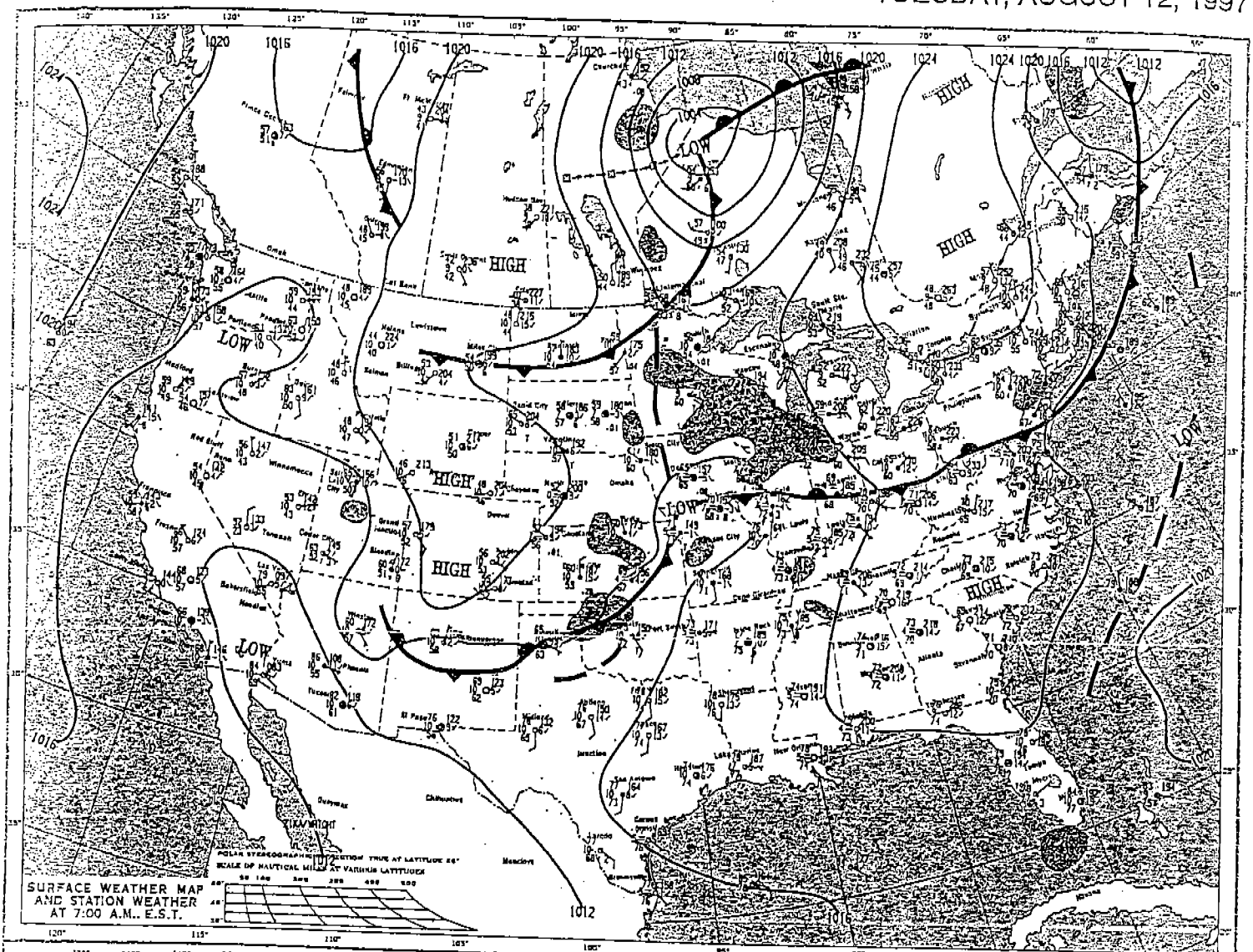
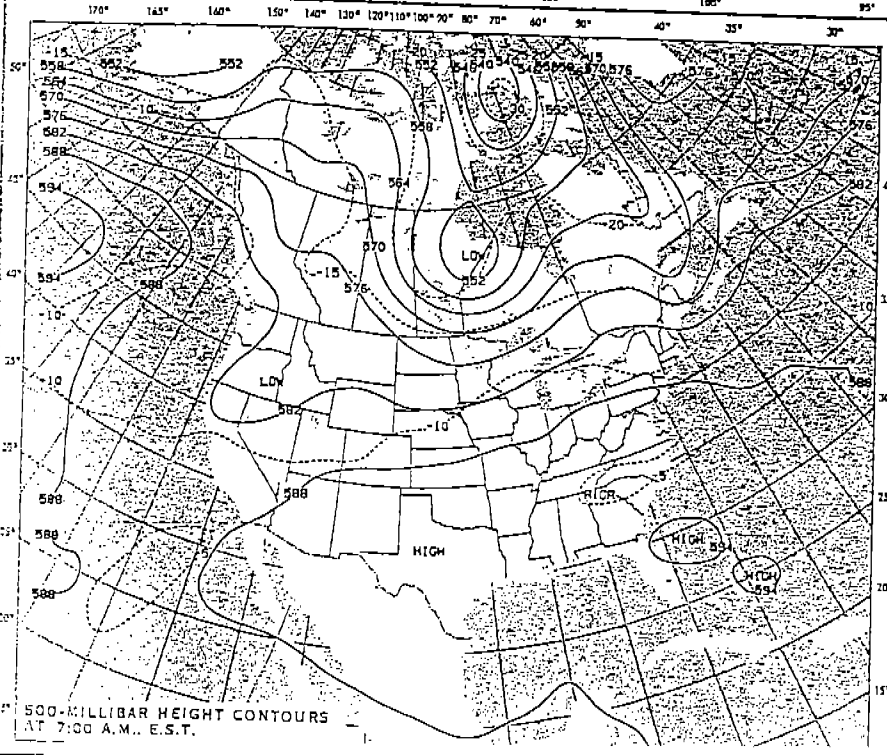
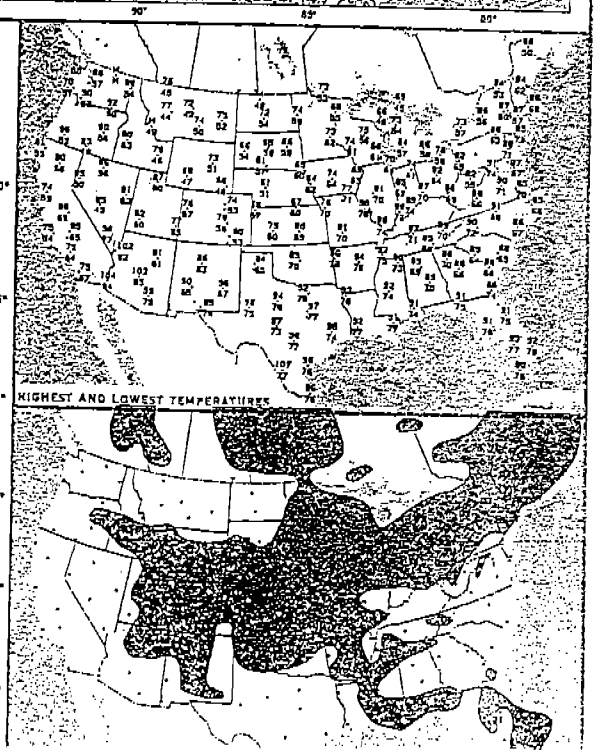
Backward Trajectories Ending- 20 UTC 12 AUG 97



TUESDAY, AUGUST 12, 1997