



Daily Weather Maps

JULY 16, 2012 - JULY 22, 2012

Week 29

The following charts are the principal charts of the former National Weather Service publication, "Daily Weather Map." They are the Surface Weather Map, the 500-Millibar Height Contours chart, the Highest and Lowest Temperatures chart, and the Precipitation Areas and Amounts chart. All charts are derived from the operational weather maps prepared at the National Centers for Environmental Prediction, Hydrometeorological Prediction Center, National Weather Service. The symbols on the Surface Weather Map and the 500-Millibar Height contours are standard international symbols.

The Surface Weather Map shows station data and the analysis for 7:00 a.m. EST. Areas of precipitation are indicated by shading. The weather reports displayed here are only a fraction of those on which the analyses are based. Occasional apparent discrepancies between the printed station data and the analyses result from the absence of station reports not included here because of a lack of space.

The 500-Millibar Height Contours chart shows height contours (solid lines), temperatures (dashed lines) and winds (arrows) at the 500-Millibar pressure level at 7:00 a.m. EST. The height contours show the height of the 500-millibar pressure level in dekameters above sea level and isotherms, the lines of constant temperature, are shown in degrees Celsius. Arrows show the wind direction and speed at the 500-Millibar level.

The Highest and Lowest Temperature chart shows the maximum temperature for a period from 7:00 a.m. through 7:00 p.m. LST the previous day and the minimum temperature for the period from 7:00 p.m. LST the previous day through 8 a.m. The maximum temperature is plotted above the station location and the minimum temperature is plotted below.

The Precipitation Areas and Amounts chart shows areas (shaded) that had precipitation during the 24 hours ending at 7:00 a.m. EST, with amounts to the nearest hundredth of an inch. "T" indicates a trace of precipitation.

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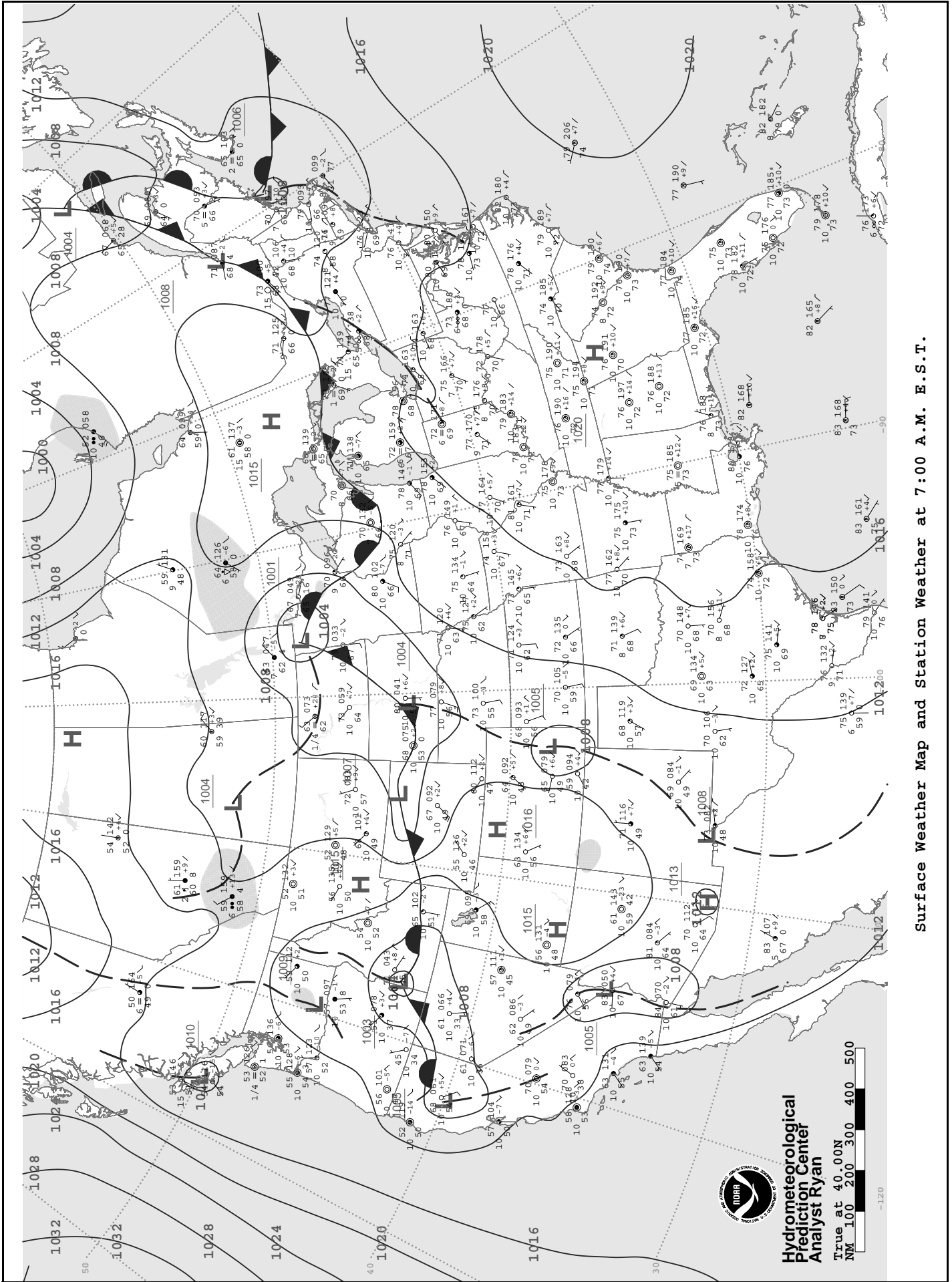
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Correspondence to the meteorologists should be directed to: *Daily Weather Map*, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.

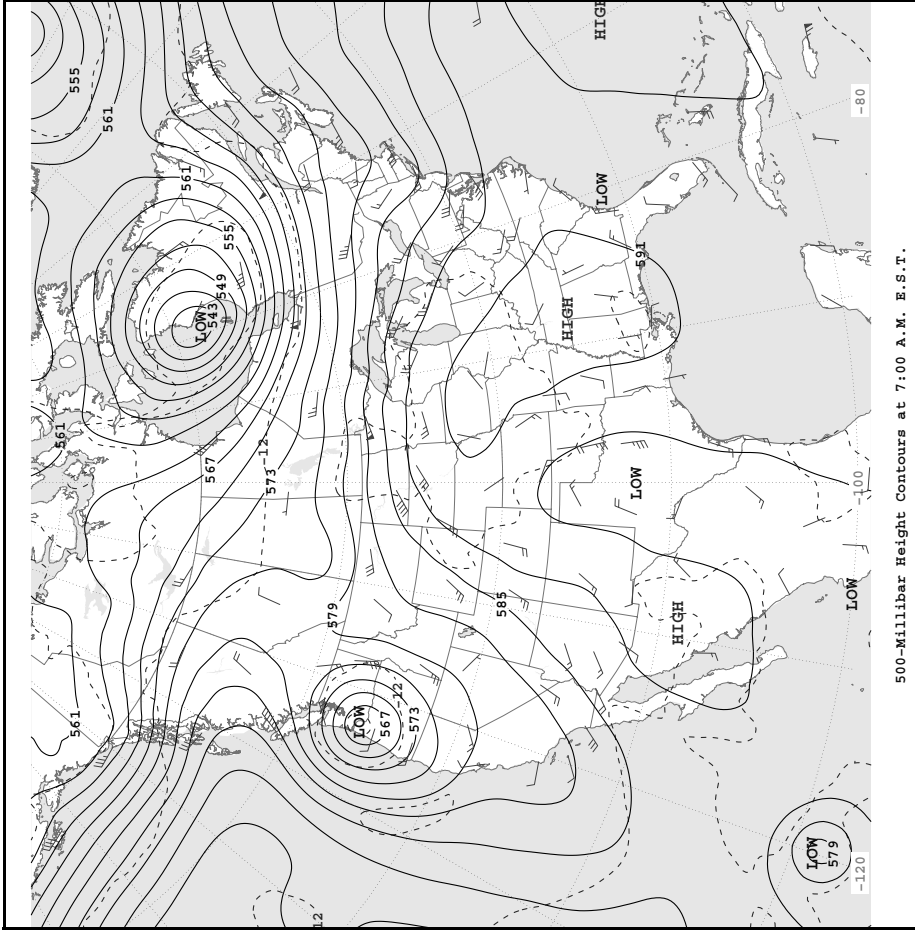
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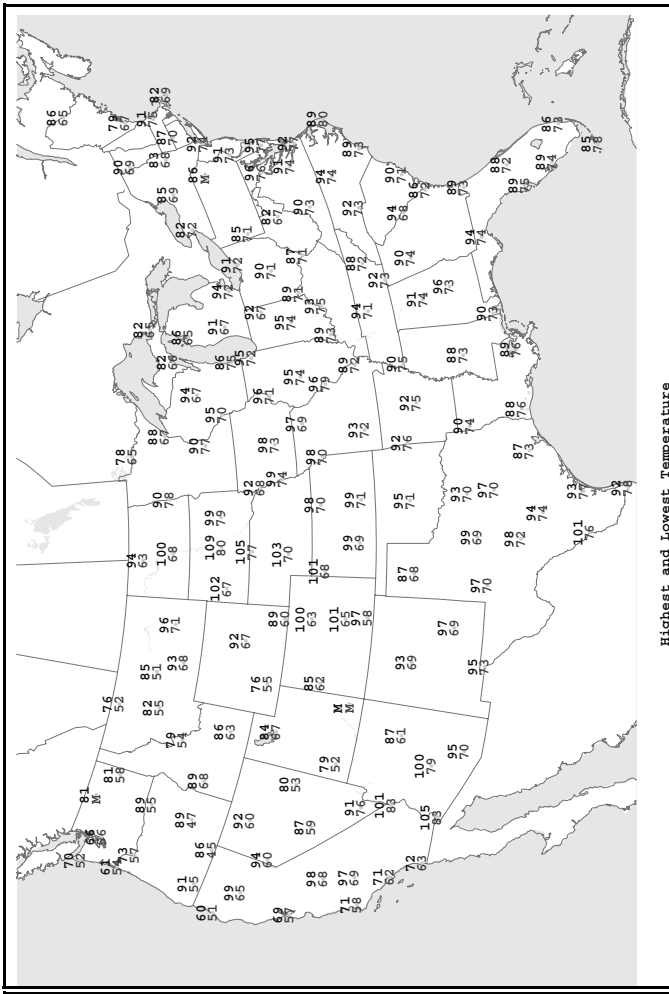


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

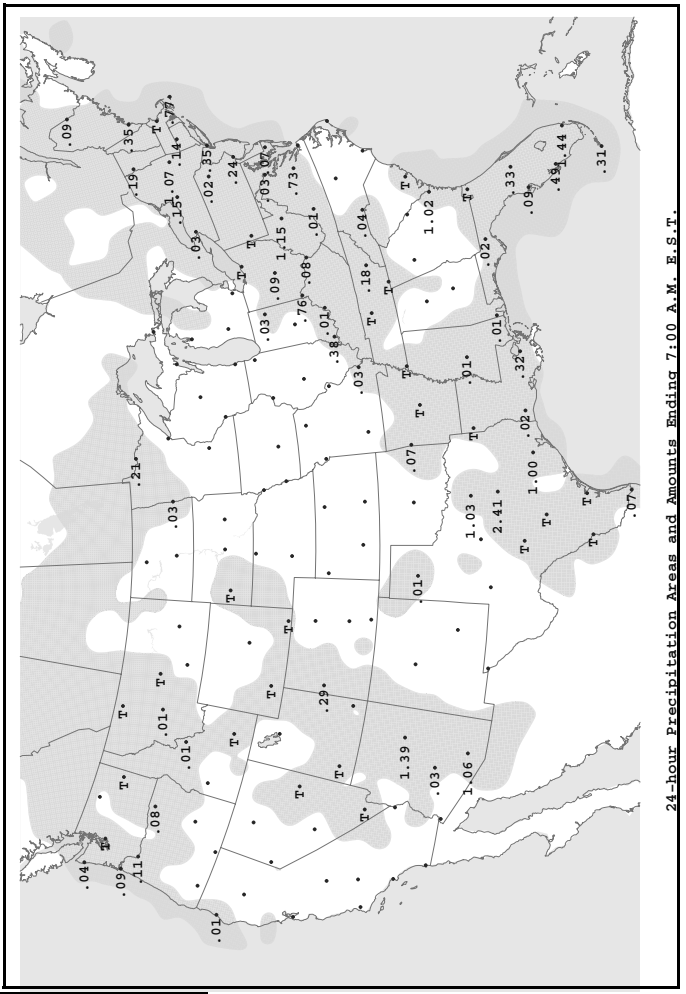

**Hydrometeorological
Prediction Center
Analyst Ryan**
True at 40.00N
NM 100 200 300 400 500
-120



500-millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature



24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

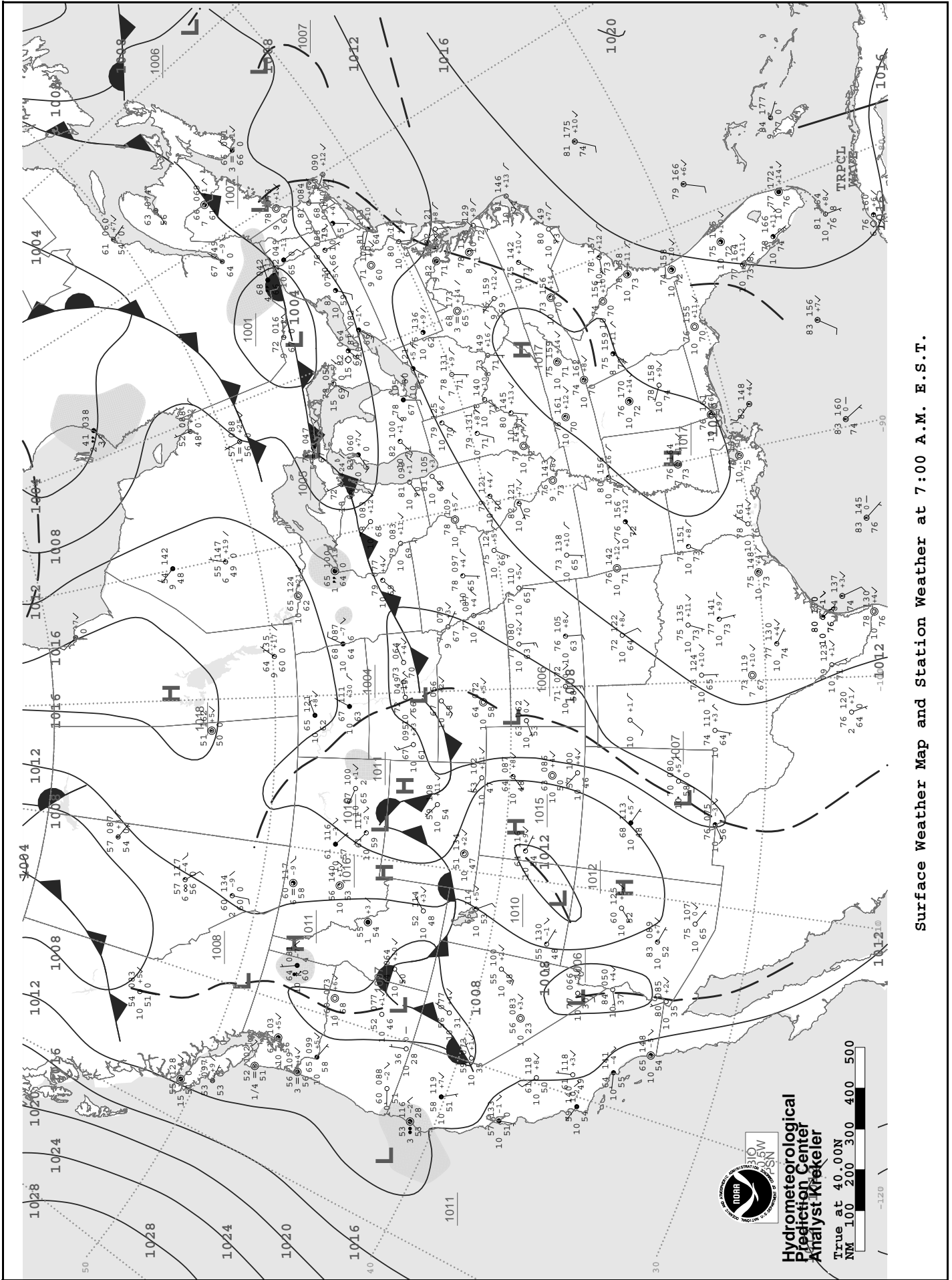
Station Model

Wind Direction ——— Wind Speed
 Long Feather - 10 knots
 Short Feather - 5 knots

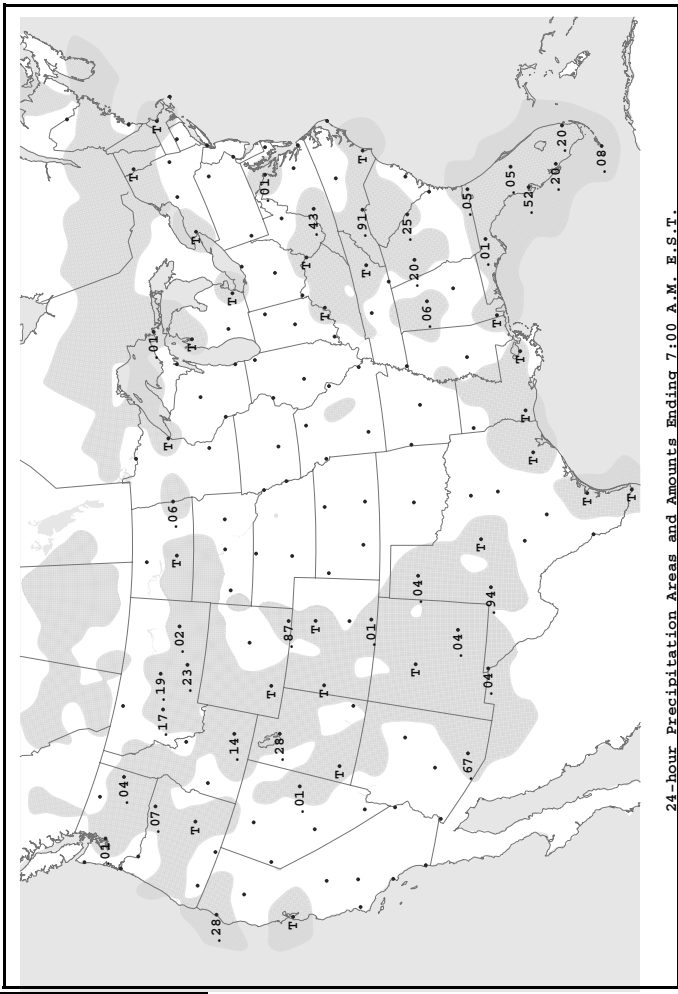
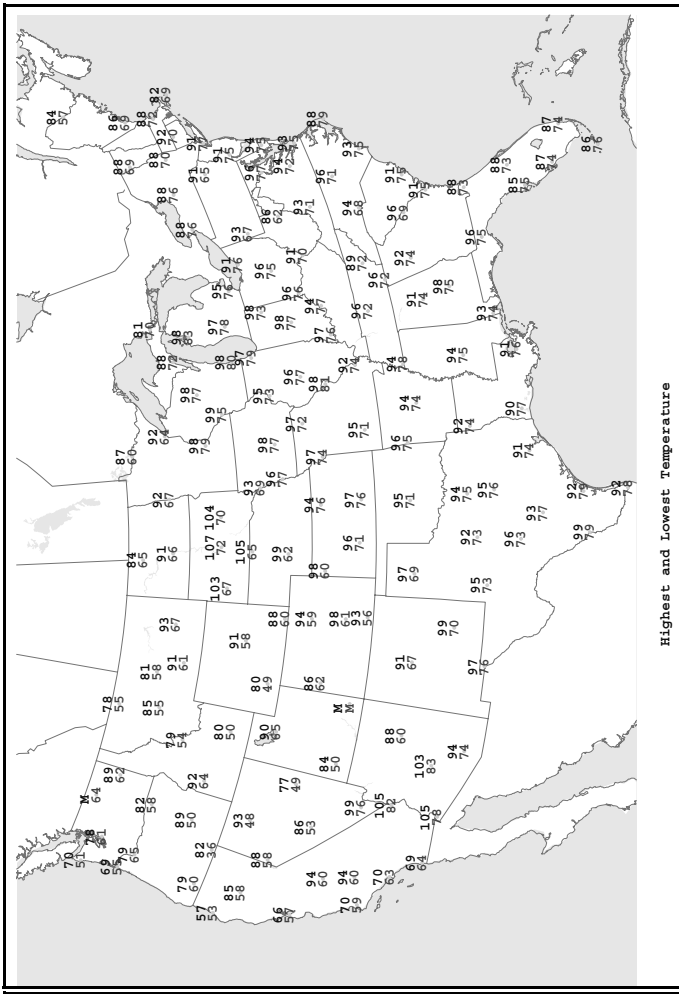
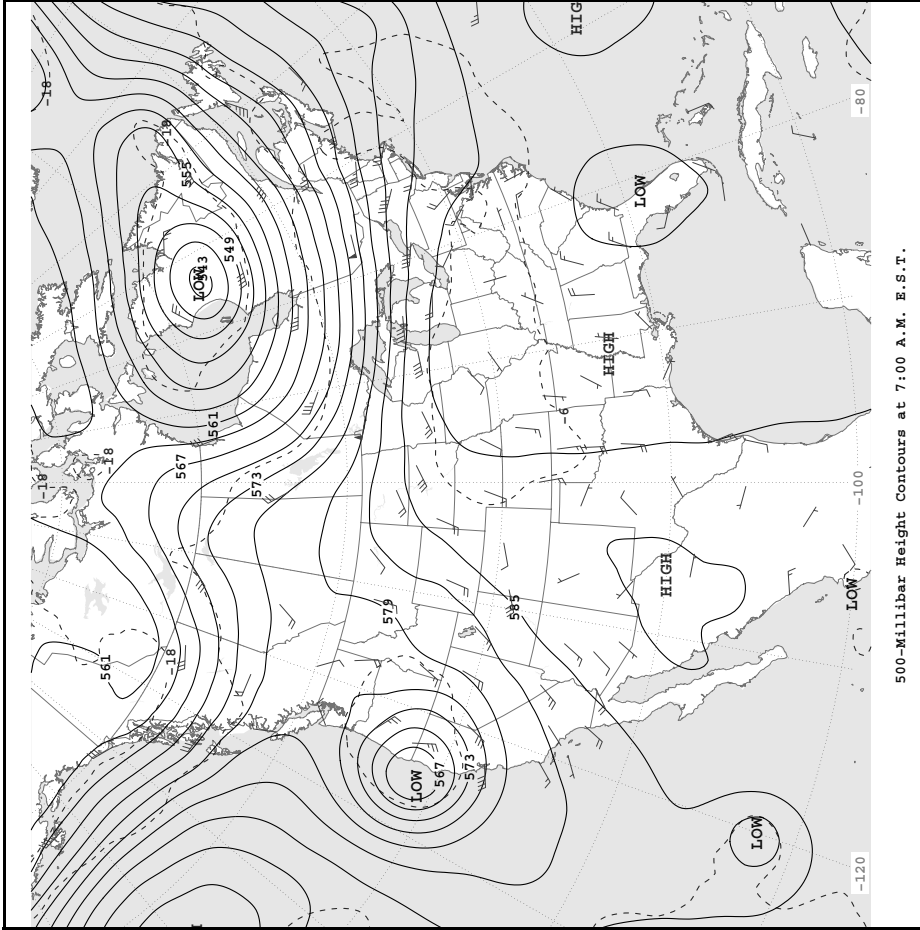
Current Temperature (in °F) ——— dd ——— ft
 Visibility (in miles) ——— V ——— PPP ——— 3-Digit Surface Pressure (in tenths). Ex: 989 = 988.9mb, 012 = 1001.2mb

Present Weather Symbol ——— PP a ——— 3 Hour Pressure Tendency (in tenths)
 Dew Point Temperature ——— TD ——— RR ——— 6 Hour Total Precipitation (in hundredths of an inch)
 Sky Cover ———

MONDAY, JULY 16, 2012



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

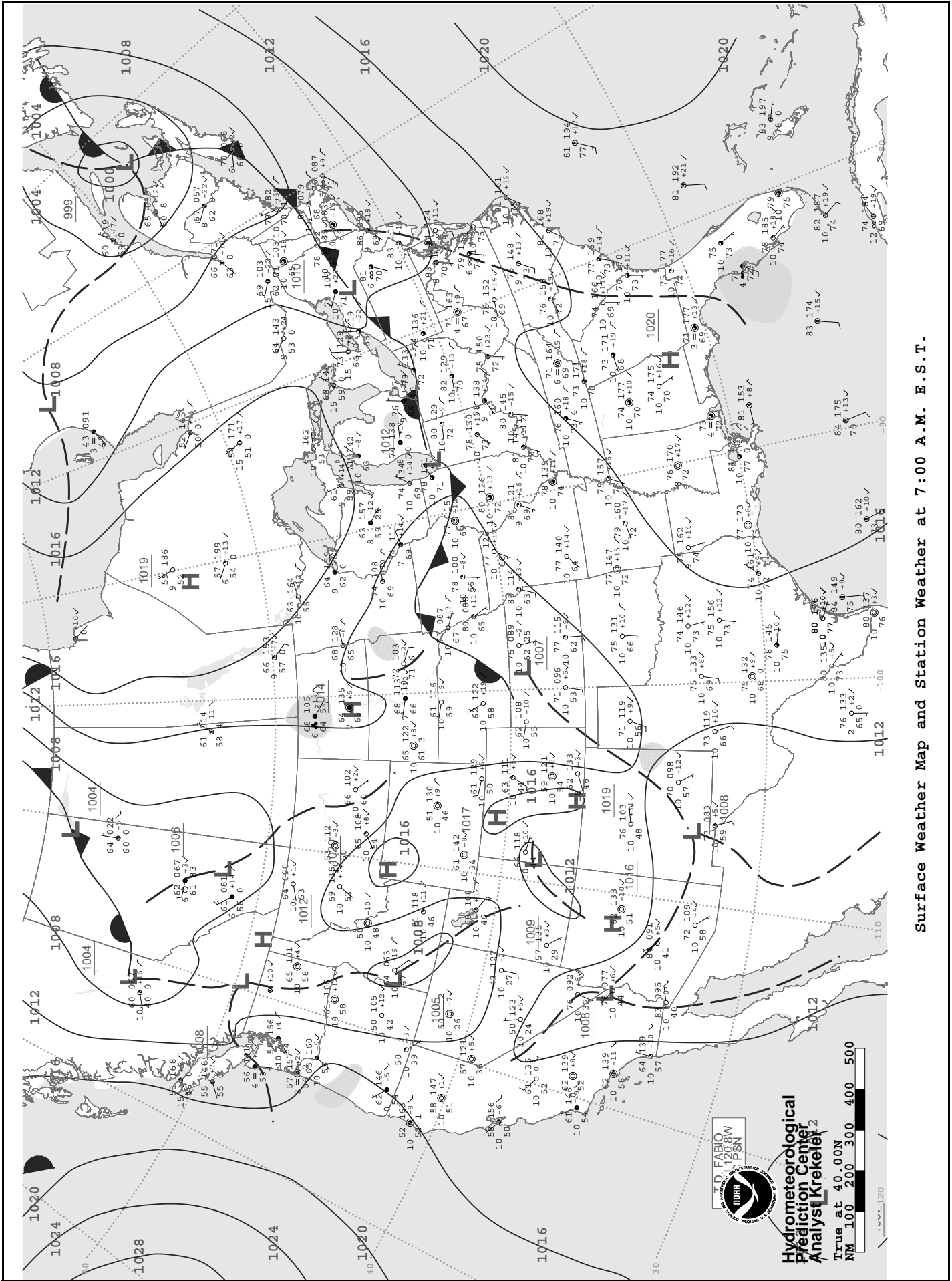


Station Model

Wind Direction ——— Wind Speed
 Long Feather - 10 knots
 Short Feather - 5 knots

Current Temperature (in °F) — dd ——— ft
 Visibility (in miles) ——— V ———
 Present Weather Symbol ——— TT ———
 Dew Point Temperature ——— PP ———
 3-Digit Surface Pressure (in tenths) Ex: 989 = 998.9mb, 012 = 1001.2mb
 3 Hour Pressure Tendency (in tenths) ——— PP a ———
 6 Hour Total Precipitation (in hundredths of an inch) ——— RR ———
 Sky Cover ———

TUESDAY, JULY 17, 2012

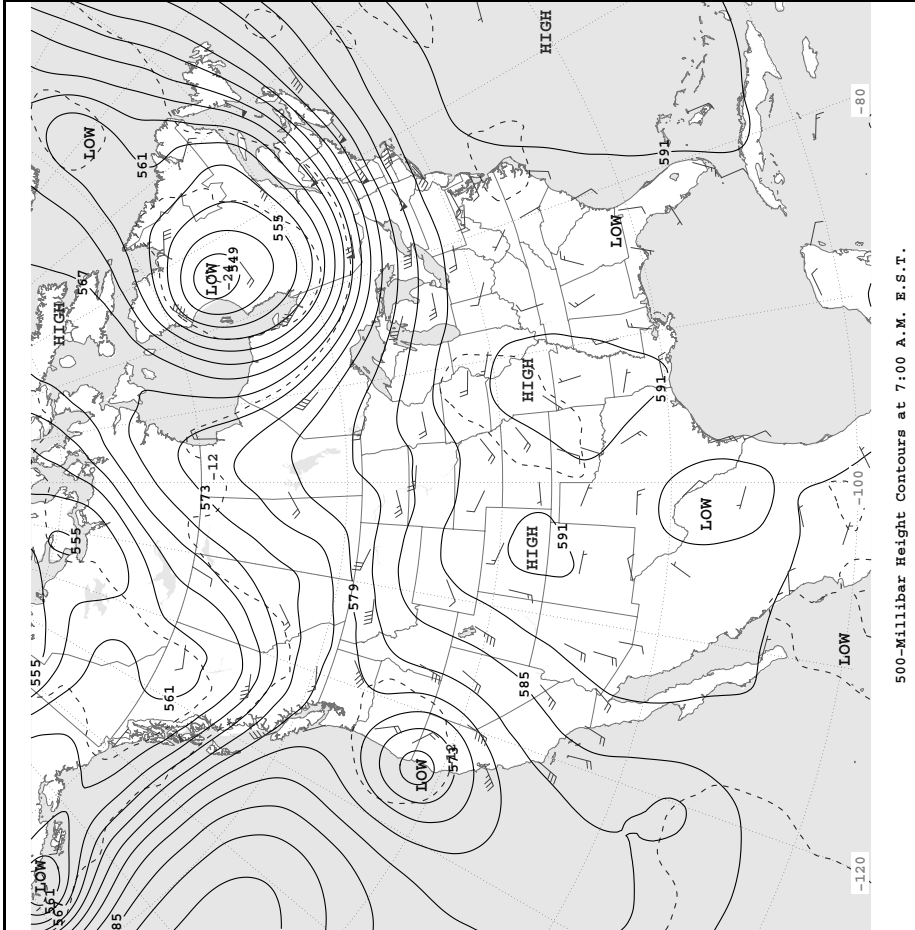


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

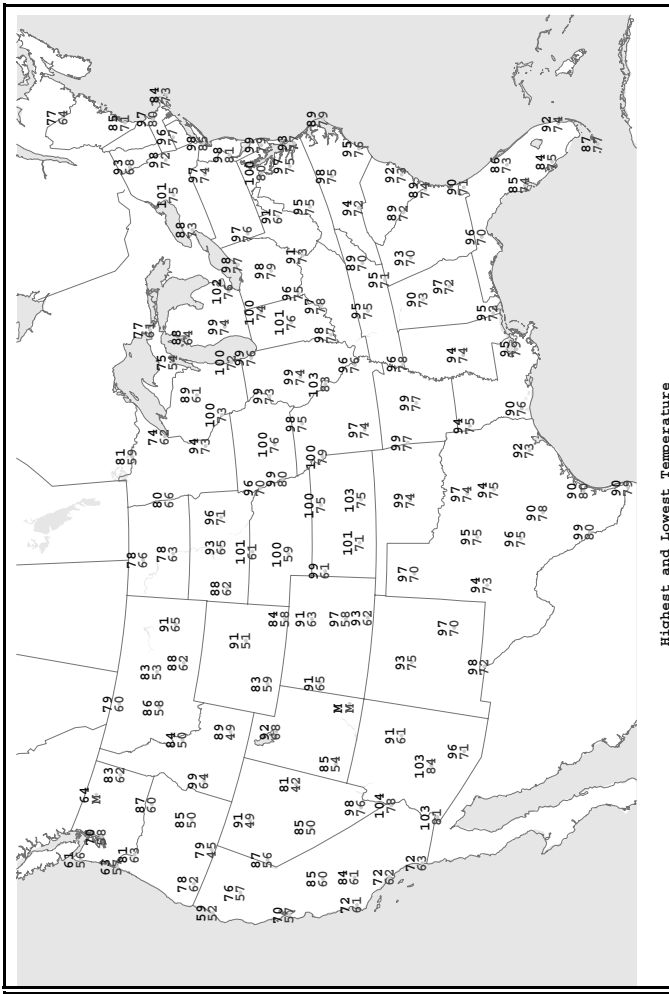


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Prediction Center
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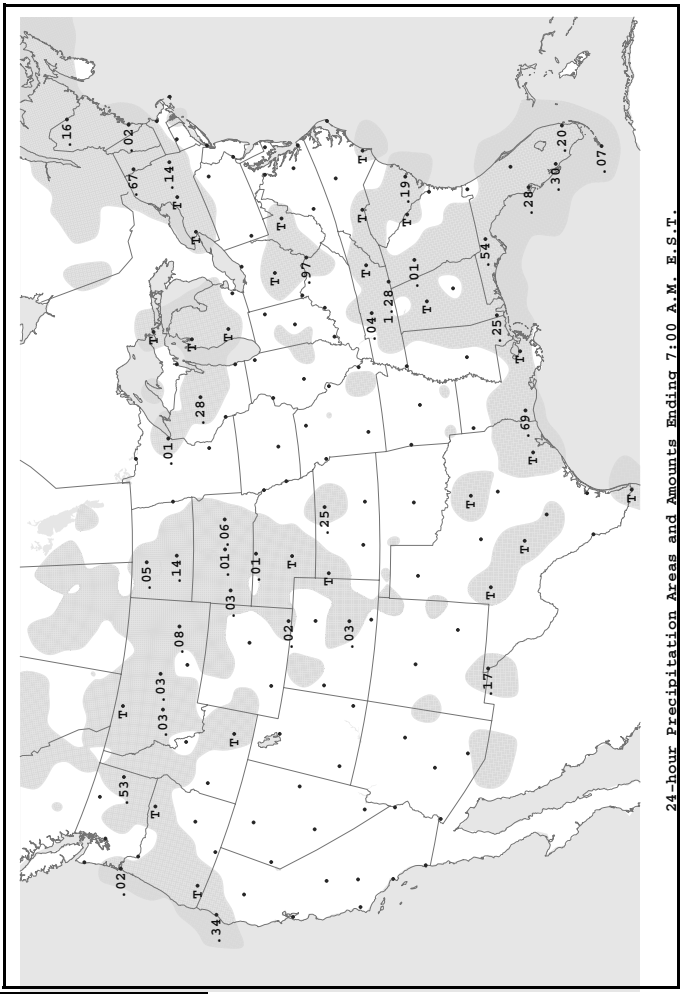
True at 40.00N
NM 100 200 300 400 500



500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature



24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

Station Model

Wind Direction: **F** (Long Feather - 10 knots, Short Feather - 5 knots)

Current Temperature (in °F): **dd**

Wind Speed: **F**

3-Digit Surface Pressure (in tenths): **PPP**

Visiblity (in miles): **TT**

Present Weather Symbol: **V**

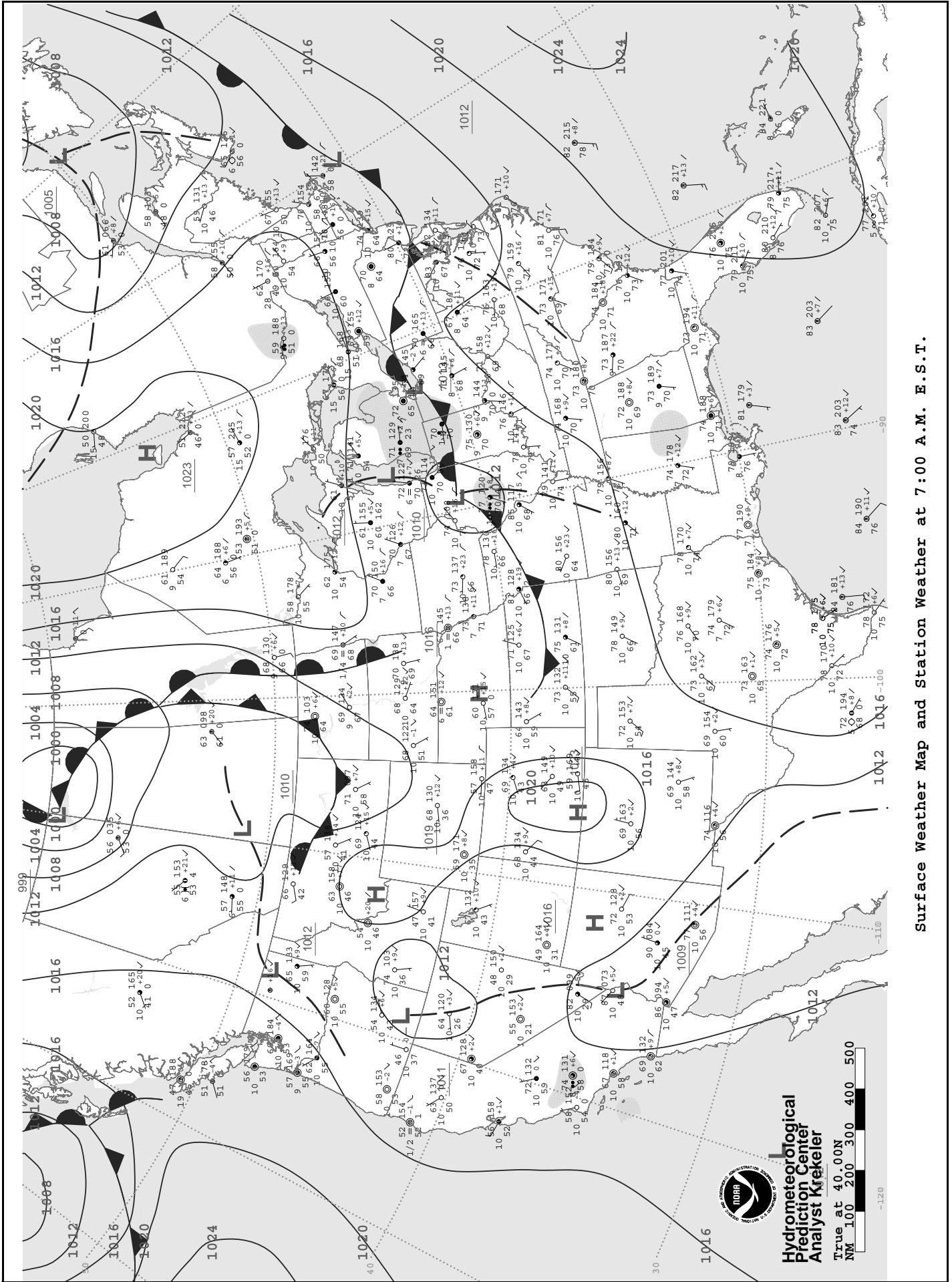
Dew Point Temperature: **DD**

3 Hour Pressure Tendency (in tenths): **PP a**

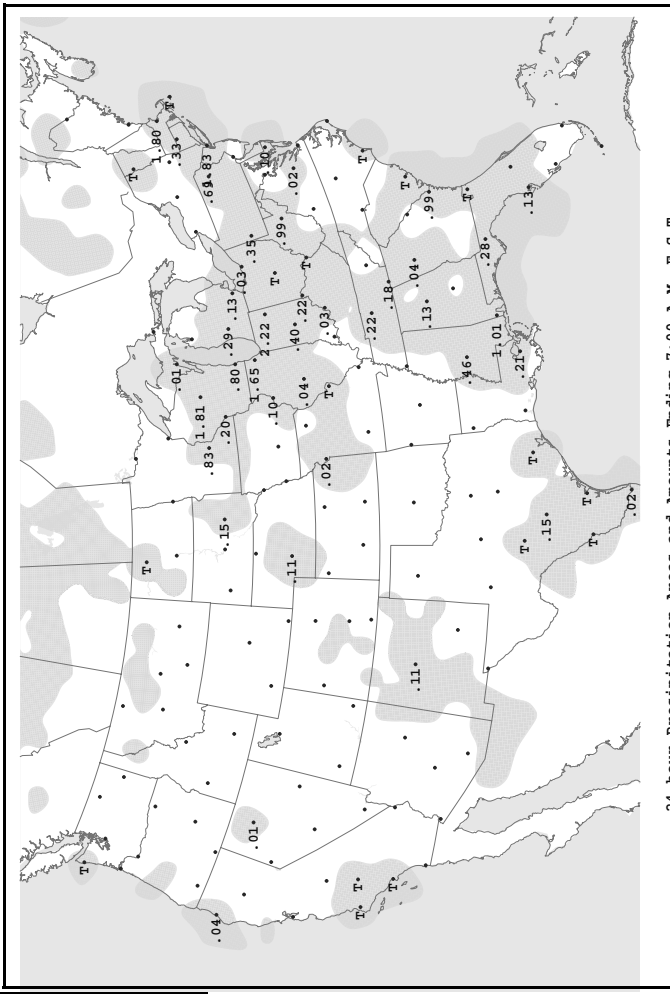
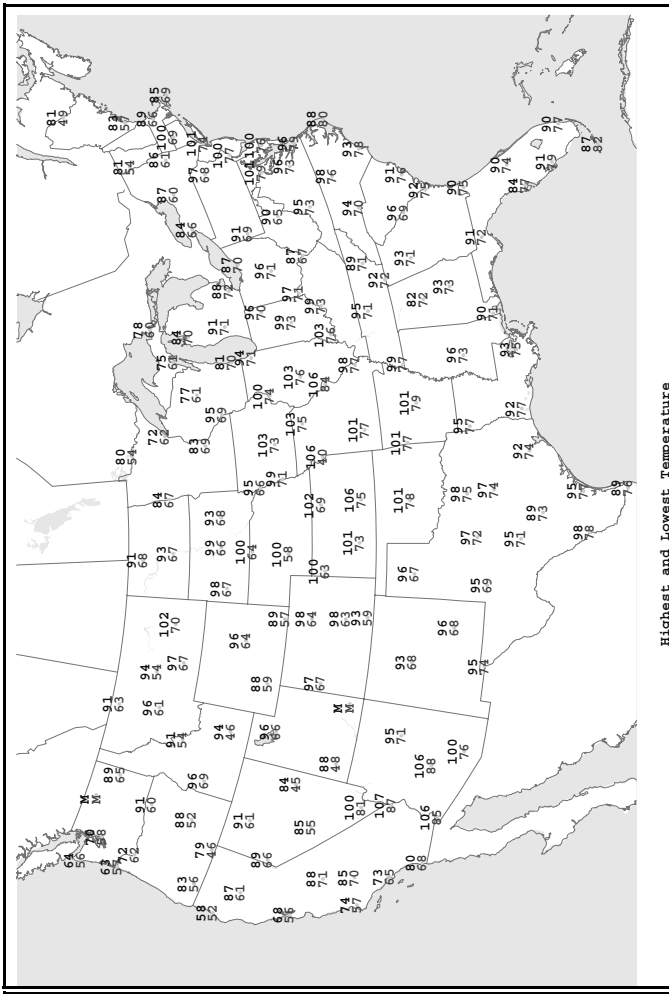
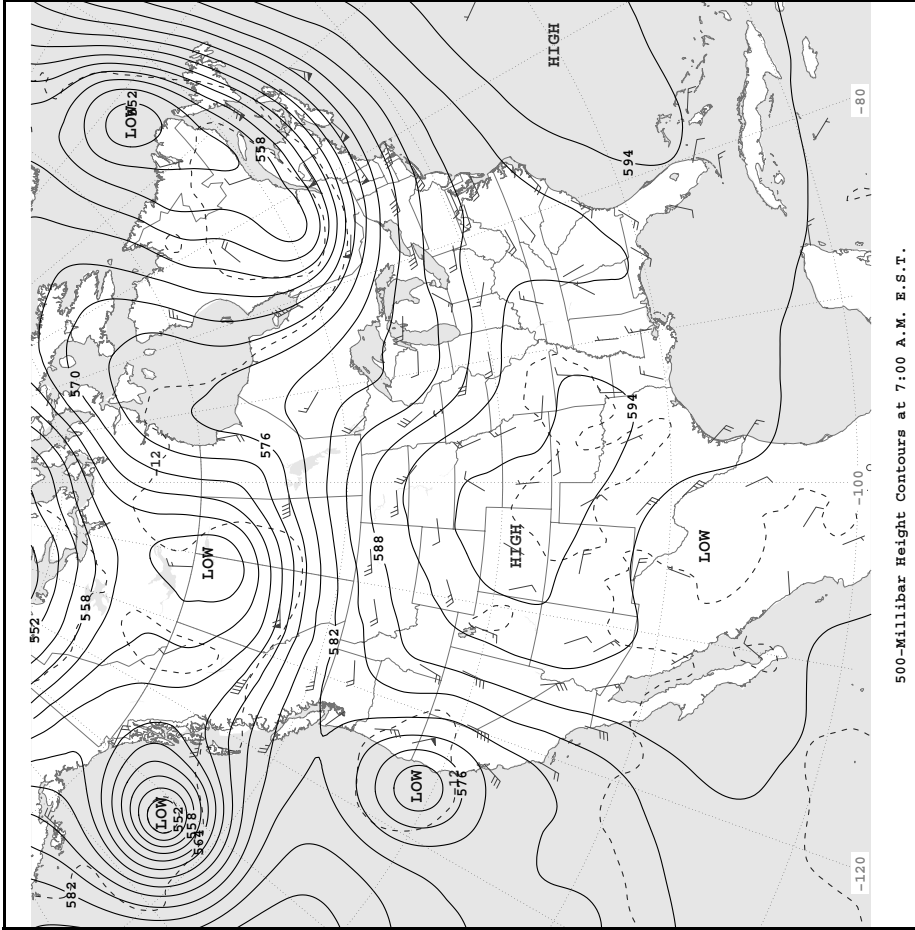
6 Hour Total Precipitation (in hundredths of an inch): **RR**

Sky Cover: **SS**

WEDNESDAY, JULY 18, 2012



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

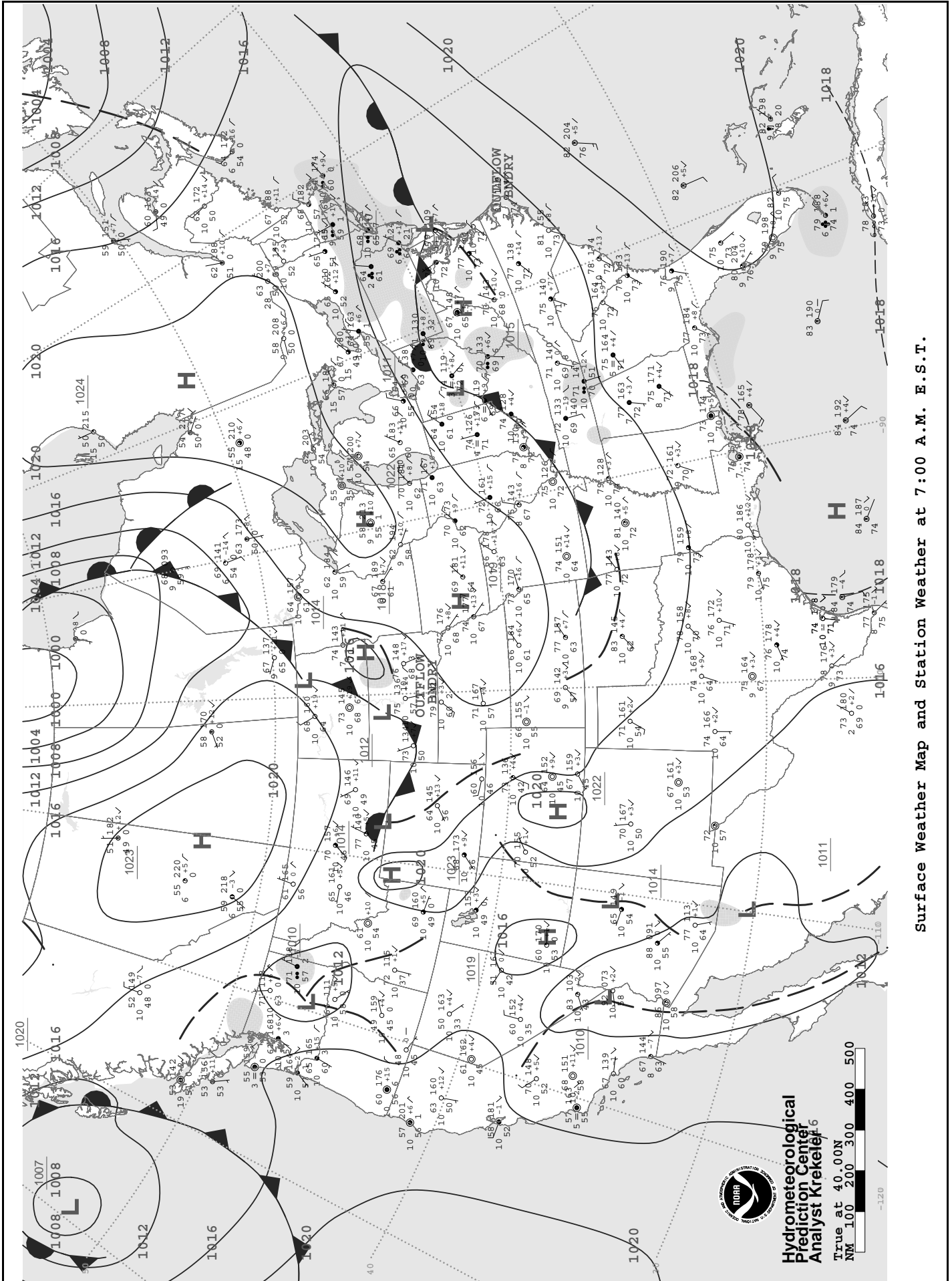


Station Model

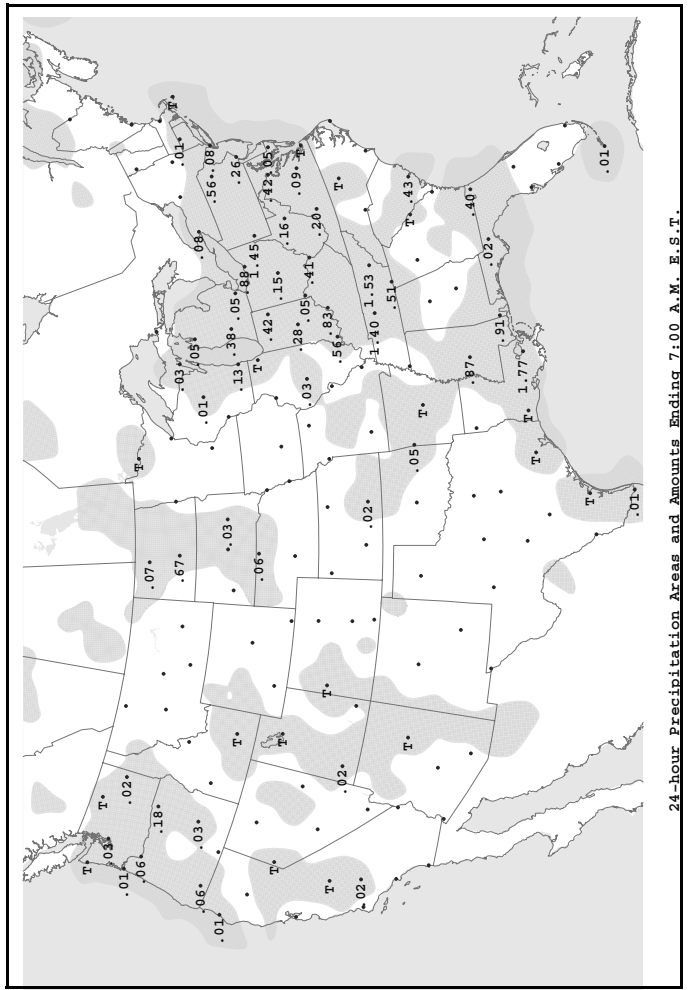
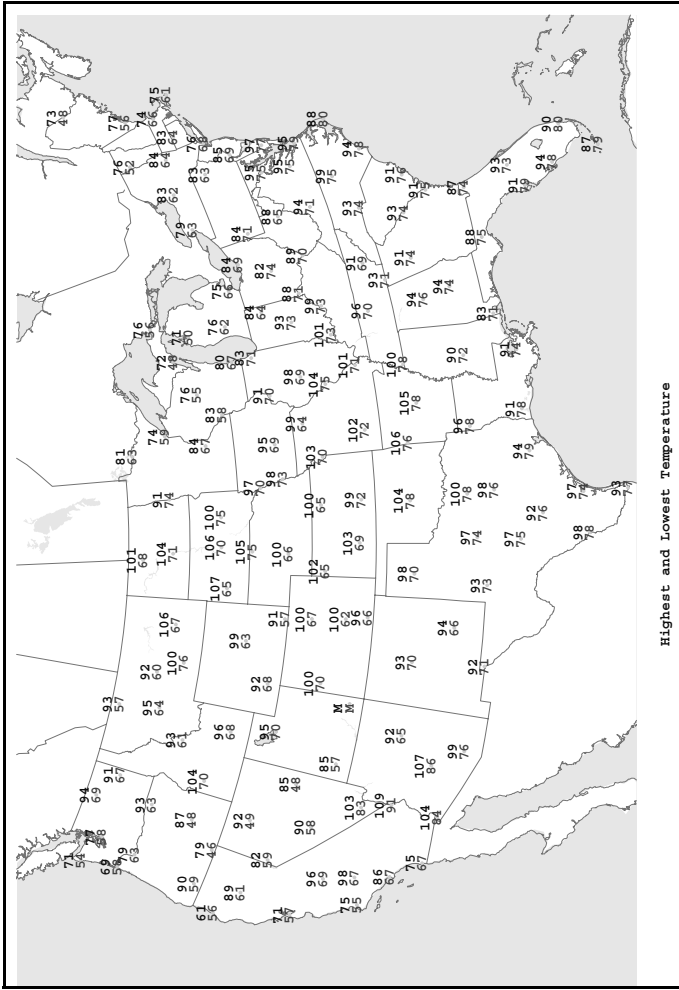
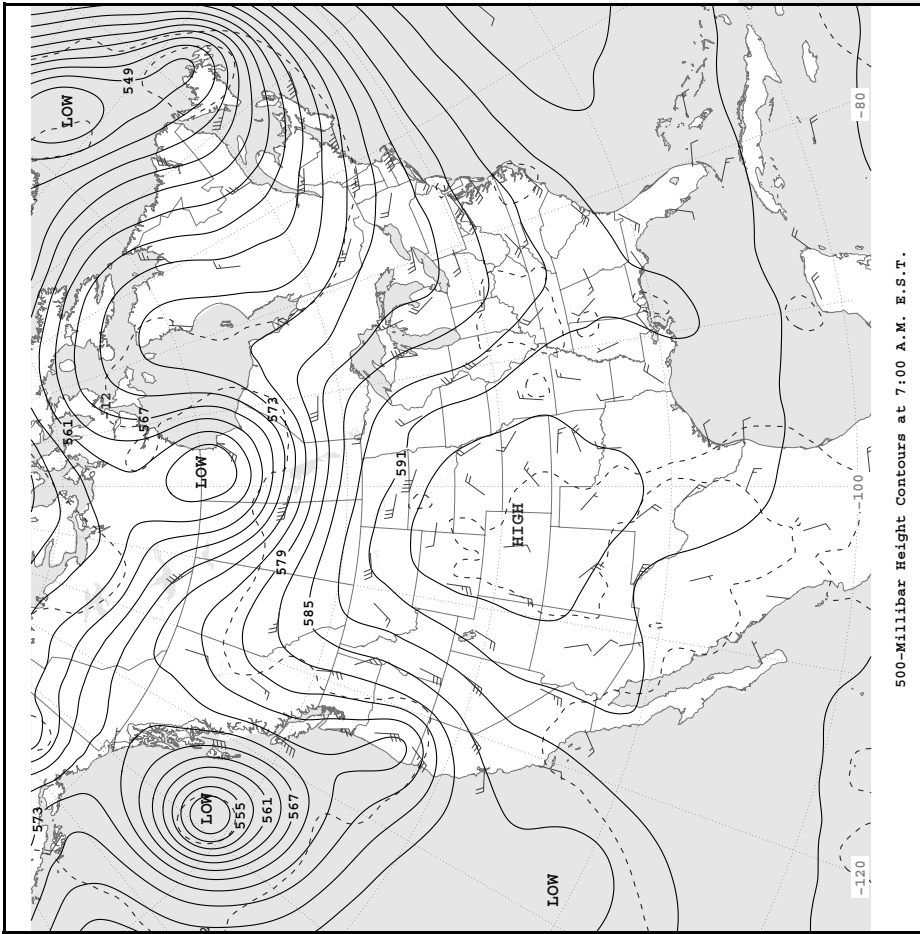
The diagram shows a station model with the following components and their corresponding data fields:

- Wind Direction:** Indicated by a line with a short feather (Long Feather - 10 knots) and a short feather (Short Feather - 5 knots).
- Wind Speed:** Indicated by the length of the feathers.
- Current Temperature (in °F):** Indicated by the number 'F'.
- Visibility (in miles):** Indicated by the number 'V'.
- Present Weather Symbol:** Indicated by the symbol 'PP'.
- Dew Point Temperature:** Indicated by the number 'DD'.
- 3-Digit Surface Pressure (in tenths):** Indicated by the number 'PPP'.
- 3 Hour Pressure Tendency (in tenths):** Indicated by the number 'PPa'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Indicated by the number 'RR'.
- Sky Cover:** Indicated by the number 'Sky_Cover'.

THURSDAY, JULY 19, 2012



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



Station Model

Wind Direction ——— Wind Speed
 Long Feather - 10 knots
 Short Feather - 5 knots

Current Temperature (in °F) ——— dd ——— ft
 Wind Feather

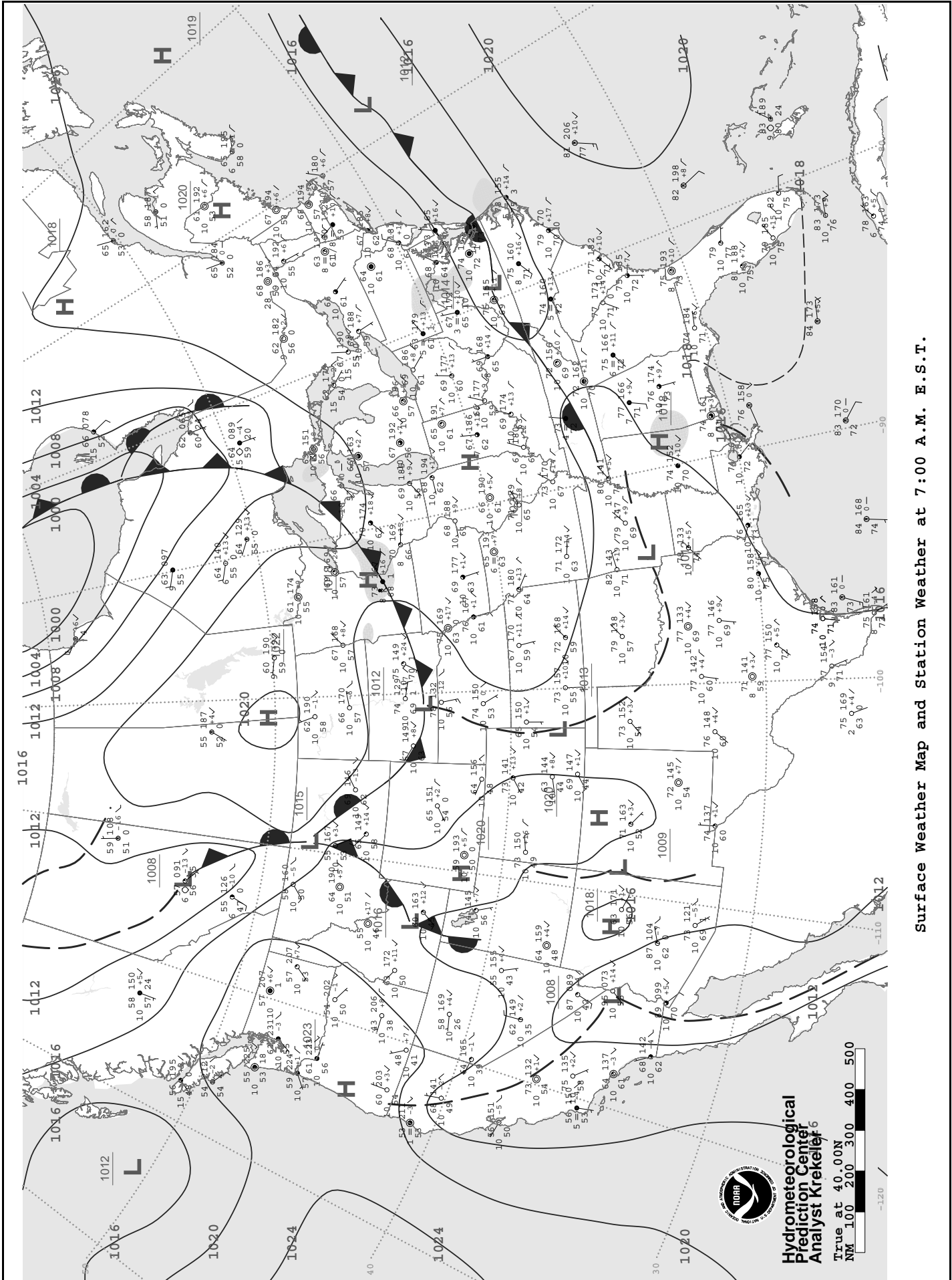
Visibility (in miles) ——— V ——— PPP
 3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

Present Weather Symbol ——— TT ——— PP a
 3 Hour Pressure Tendency (in tenths)

Dew Point Temperature ——— TD ——— RR
 6 Hour Total Precipitation (in hundredths of an inch)

————— Sky Cover

FRIDAY, JULY 20, 2012

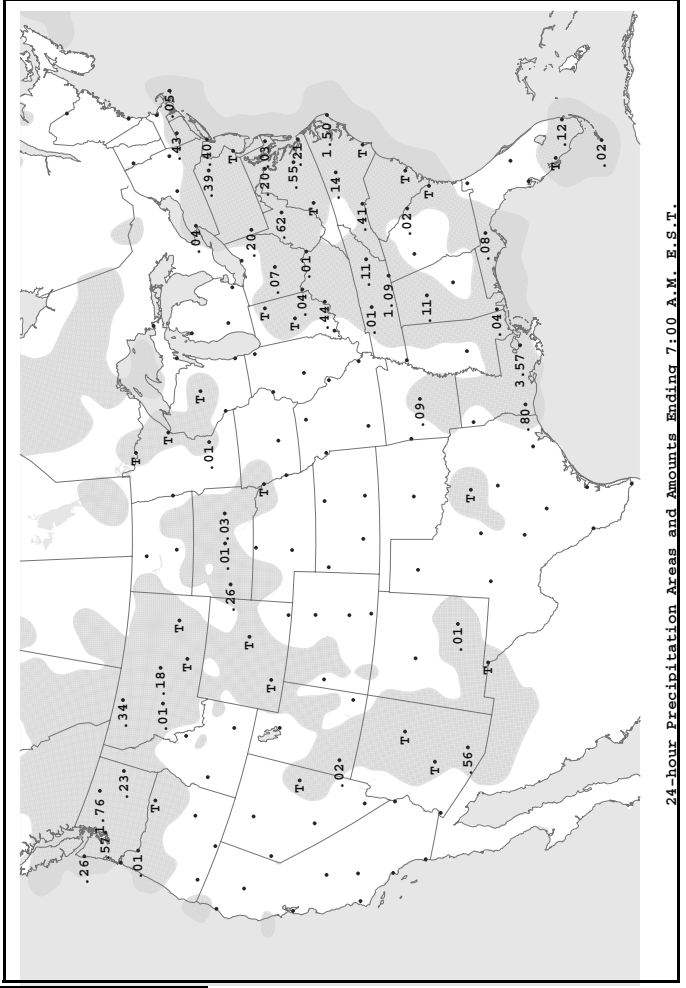
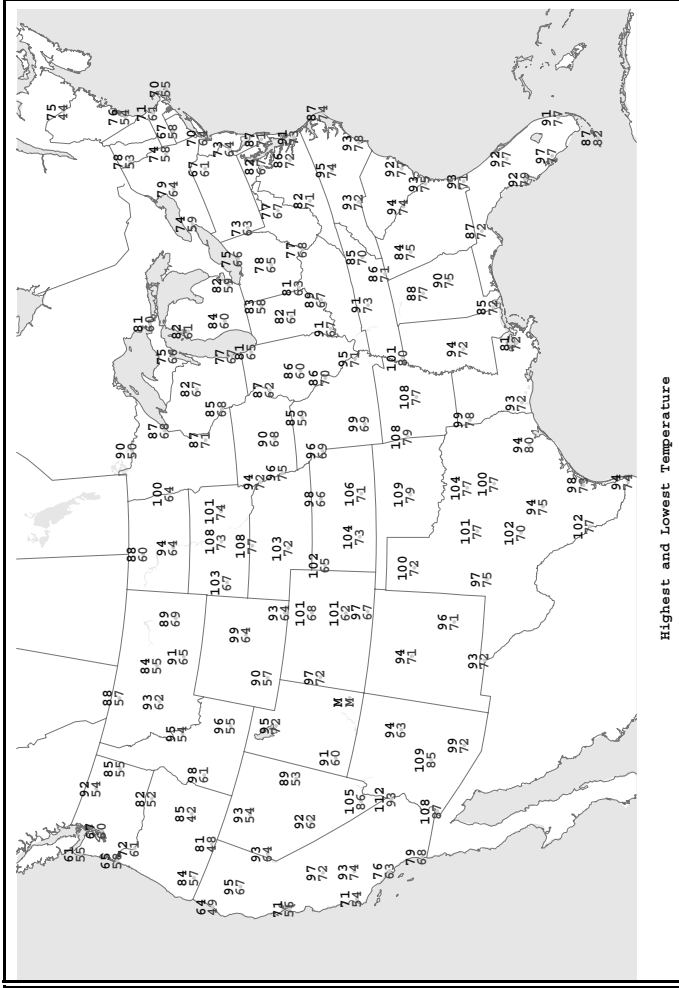
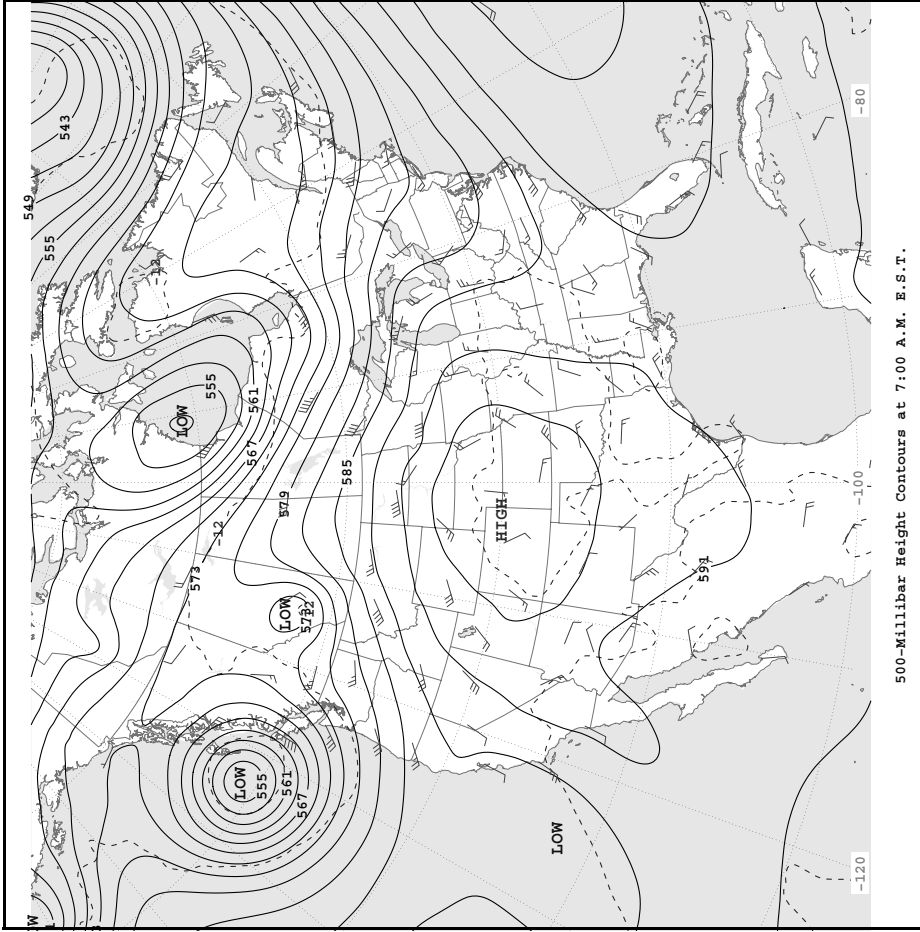


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

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True at 40.00N
NM 100 200 300 400 500





Station Model

Wind Direction ——— Wind Speed
 Long Feather - 10 knots
 Short Feather - 5 knots

Current Temperature (in °F) — dd ——— ft
 Visibility (in miles) ——— V ———

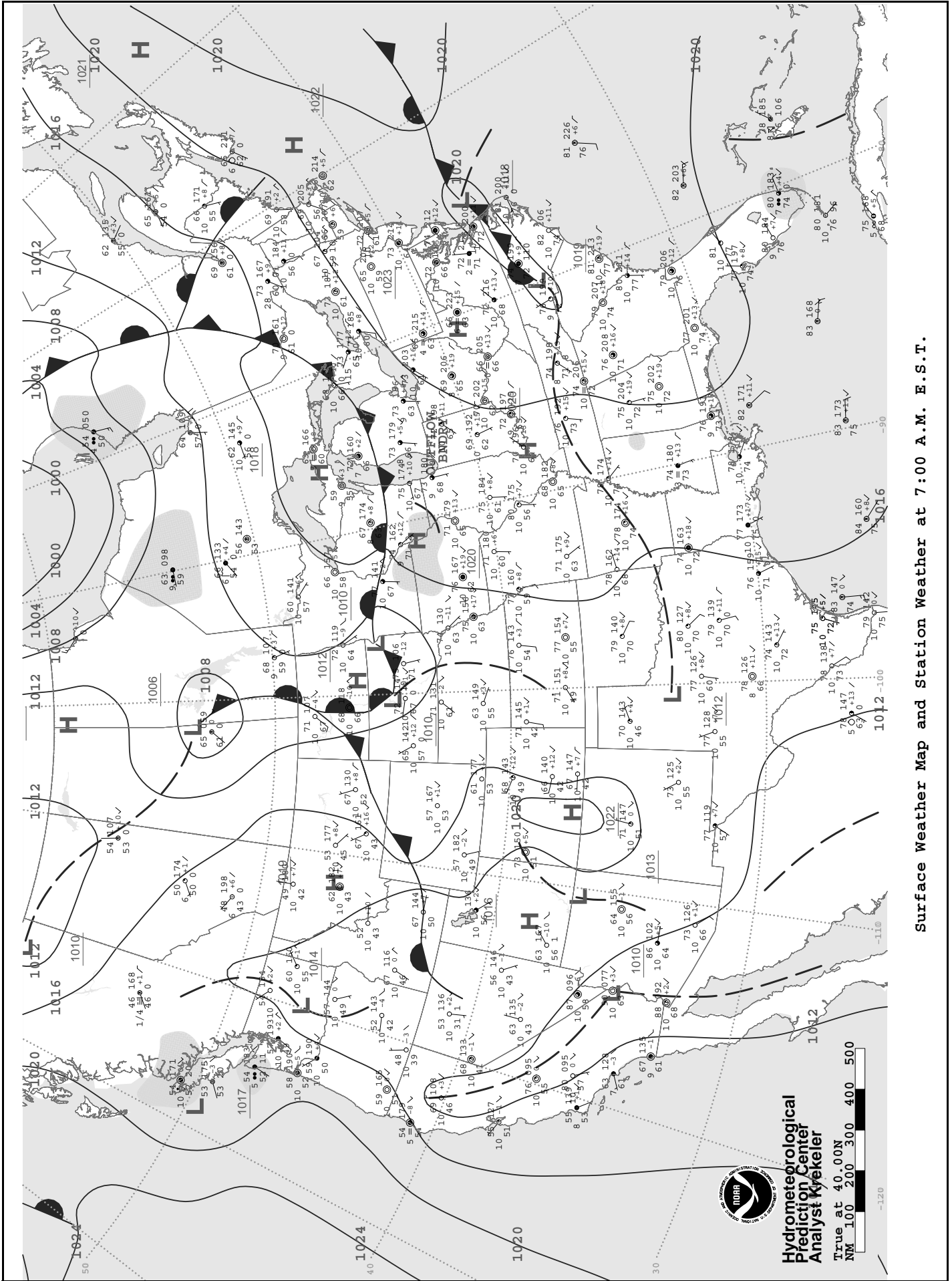
TT ——— PPP ——— 3-Digit Surface Pressure (in tenths). Ex: 989 = 998.9mb, 012 = 1001.2mb

Present Weather Symbol ——— PP a ——— 3 Hour Pressure Tendency (in tenths)

Dew Point Temperature ——— TD ——— RR ——— 6 Hour Total Precipitation (in hundredths of an inch)

————— Sky Cover

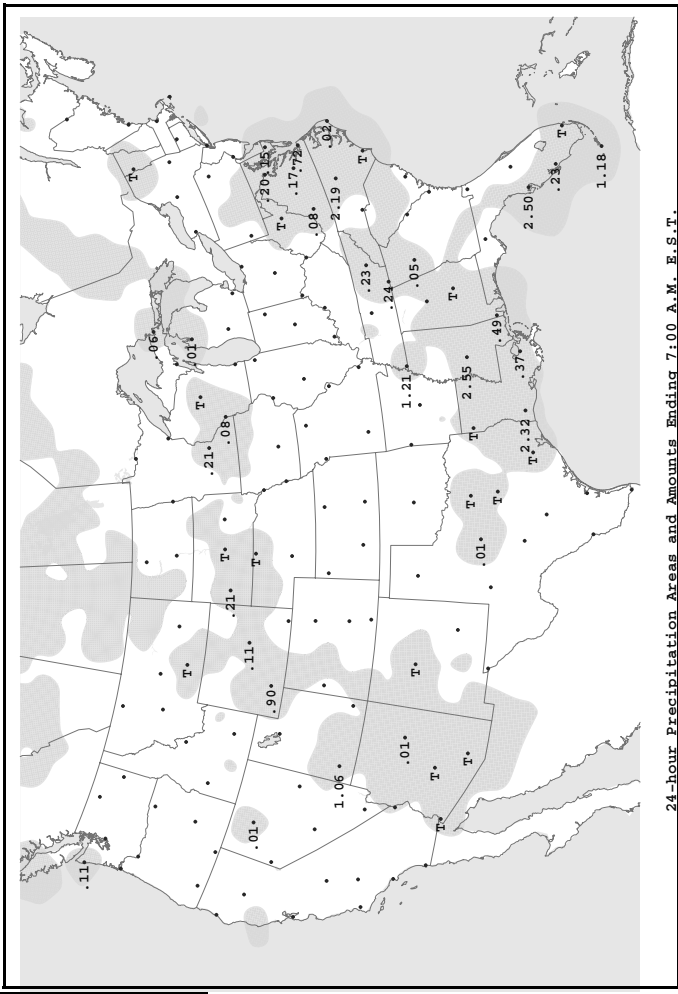
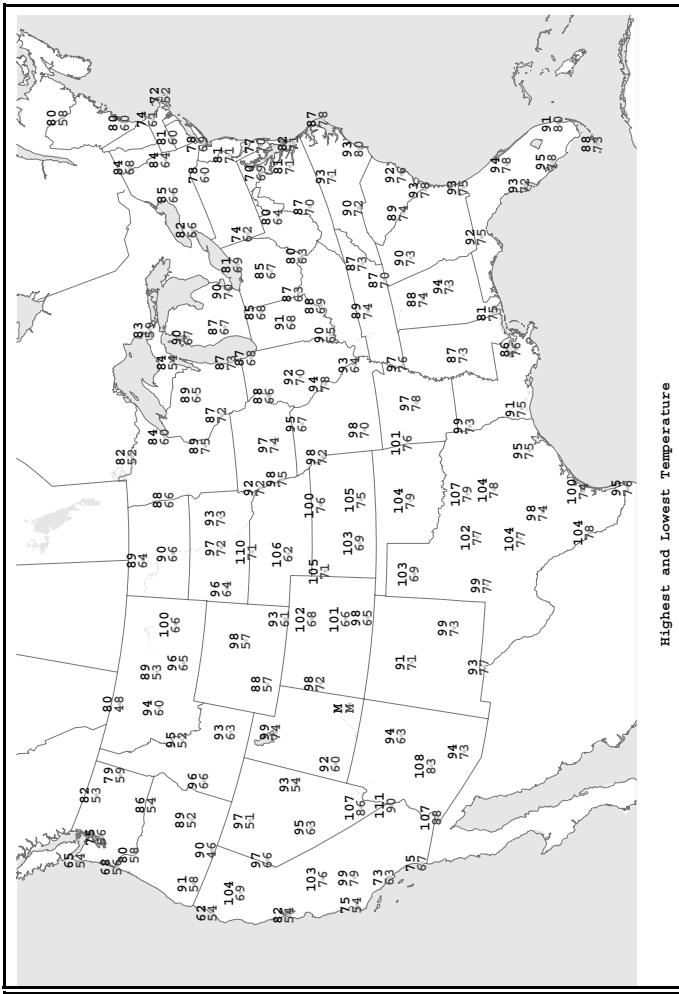
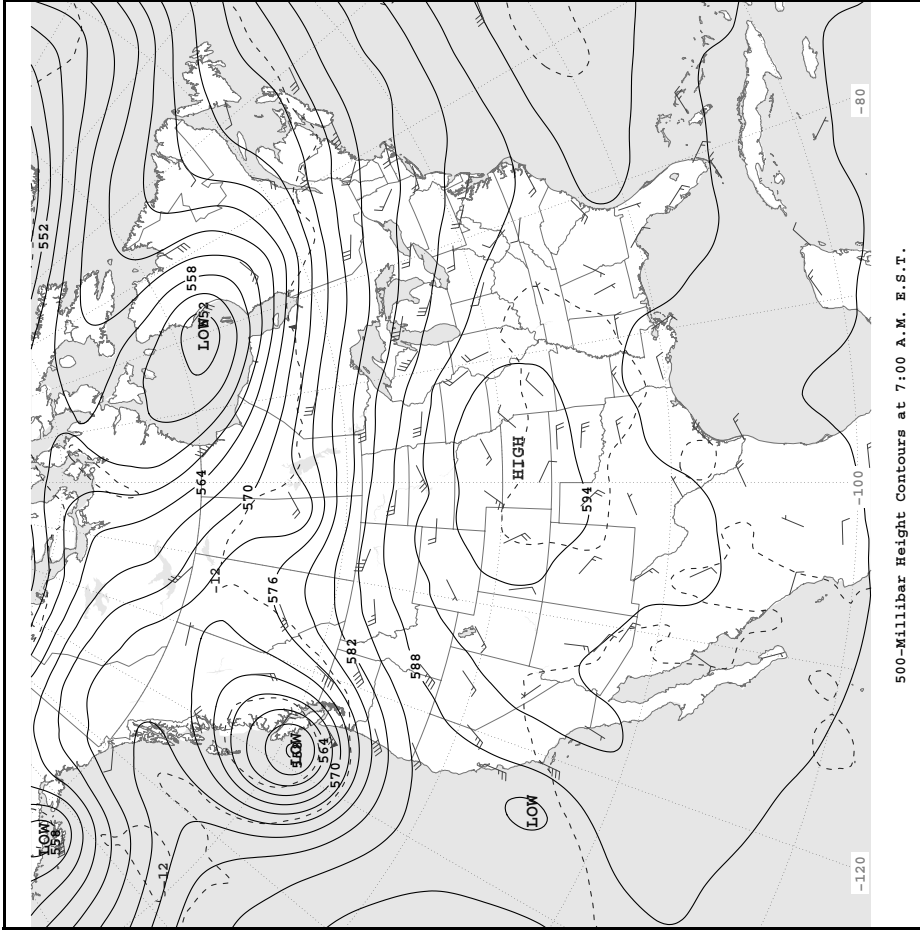
SATURDAY, JULY 21, 2012



Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

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True at 40.00N
NM 100 200 300 400 500



Station Model

The station model diagram includes the following components and their corresponding data fields:

- Wind Direction:** Indicated by the tail of the wind feather.
- Wind Speed:** Indicated by the length of the wind feather (Long Feather - 10 knots, Short Feather - 5 knots).
- Current Temperature (in °F):** Represented by the number 'dd'.
- Visibility (in miles):** Represented by the number 'V'.
- Present Weather Symbol:** Represented by the symbol 'PP'.
- Dew Point Temperature:** Represented by the number 'TT'.
- 3-Digit Surface Pressure (in tenths):** Represented by the number 'PPP'.
- 3 Hour Pressure Tendency (in tenths):** Represented by the number 'PP a'.
- 6 Hour Total Precipitation (in hundredths of an inch):** Represented by the number 'RR'.
- Sky Cover:** Represented by the number 'Sky_Cover'.

SUNDAY, JULY 22, 2012

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