



Daily Weather Maps

JULY 26, 2010 - AUGUST 1, 2010

Week 30

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. EST the previous day through 1 a.m. EST and the minimum temperature for the period from 7:00 p.m. EST the previous day through 1 p.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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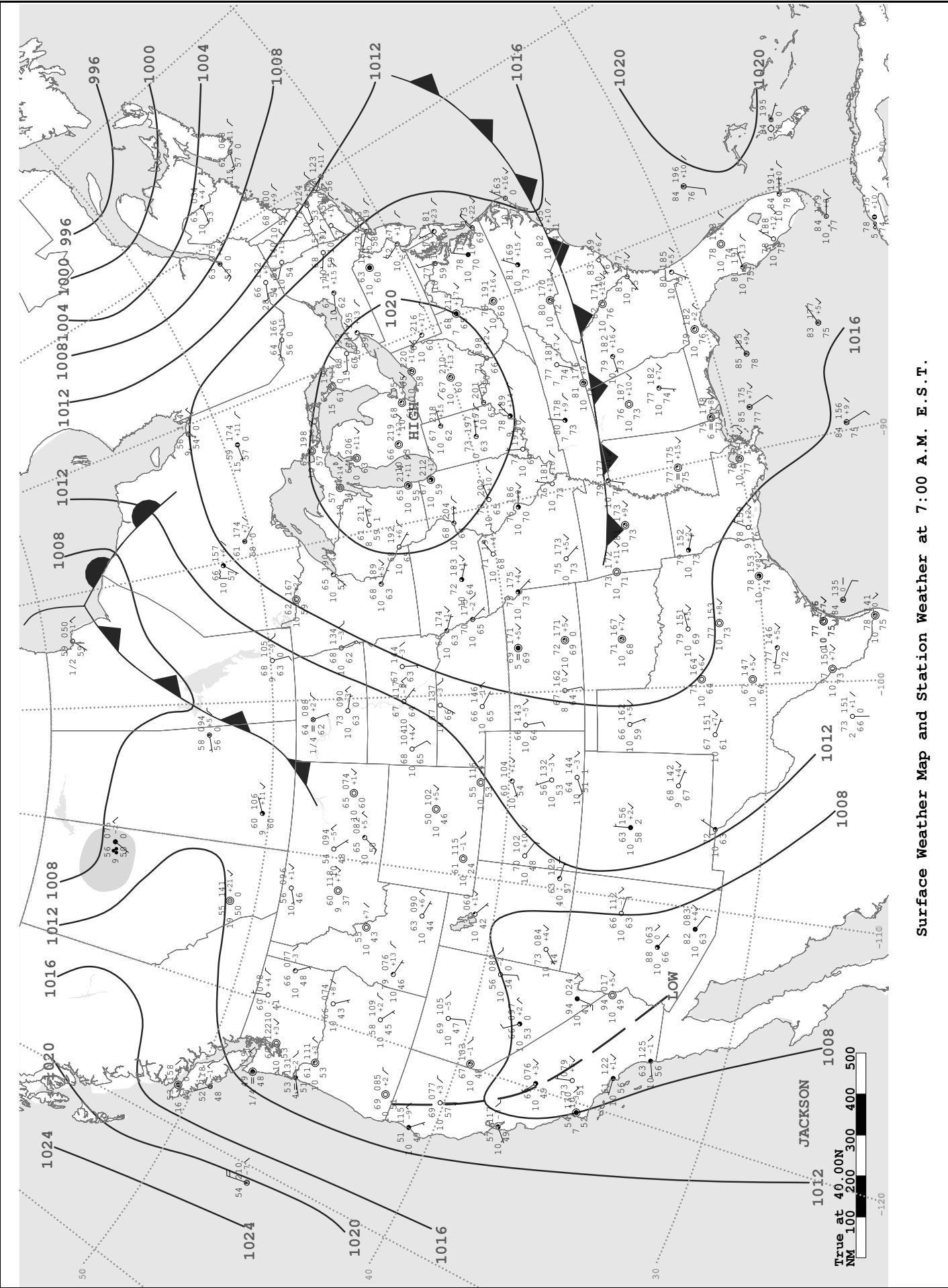
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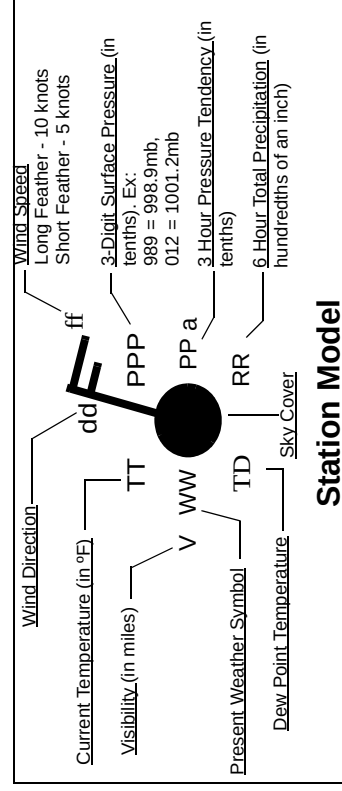
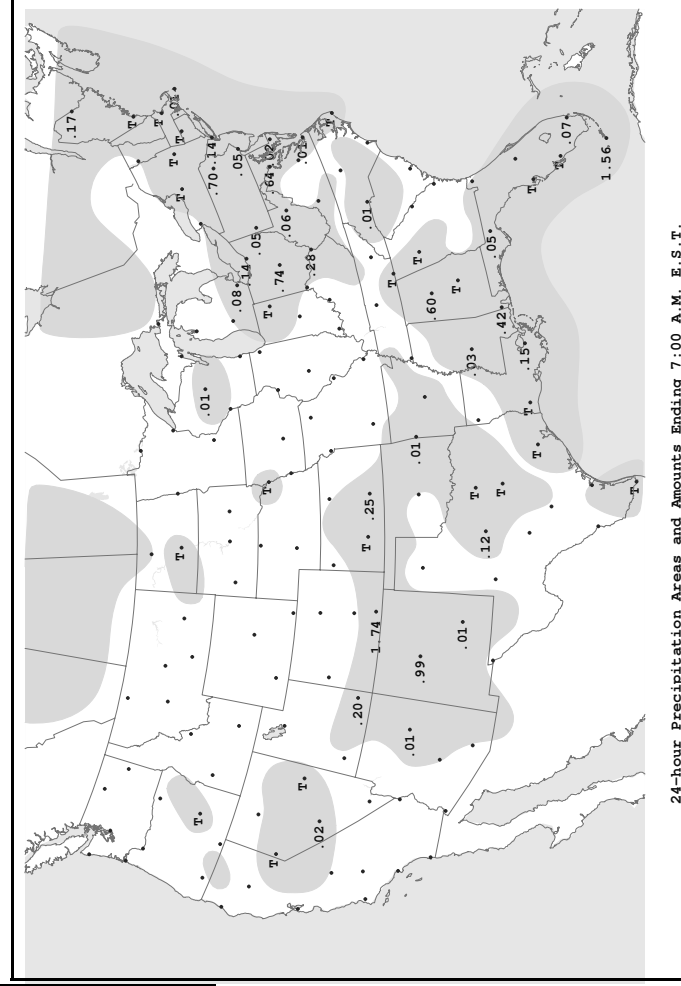
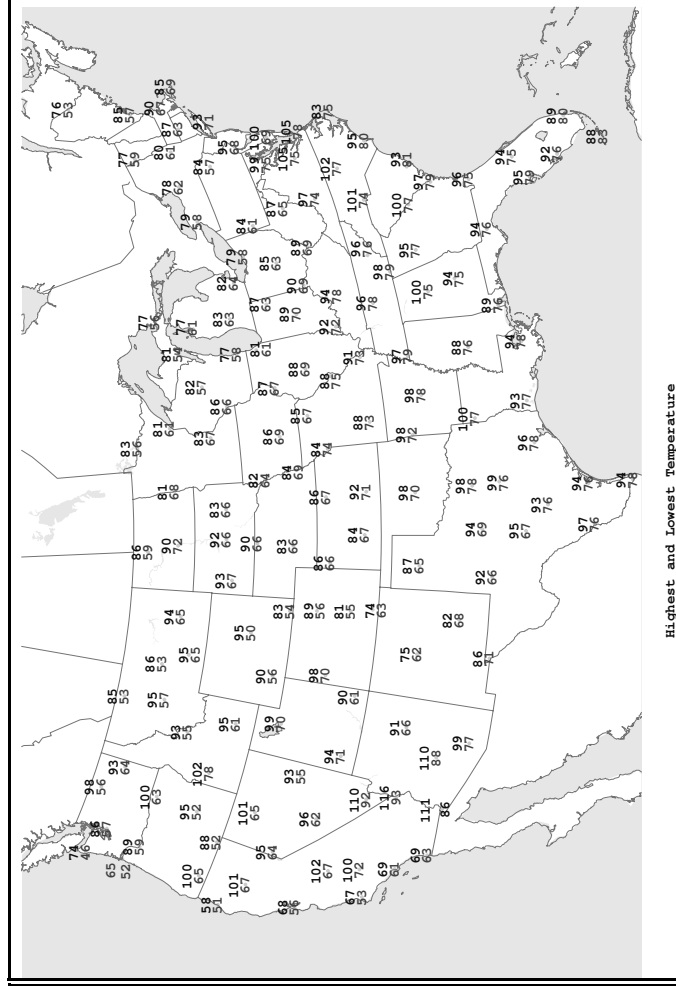
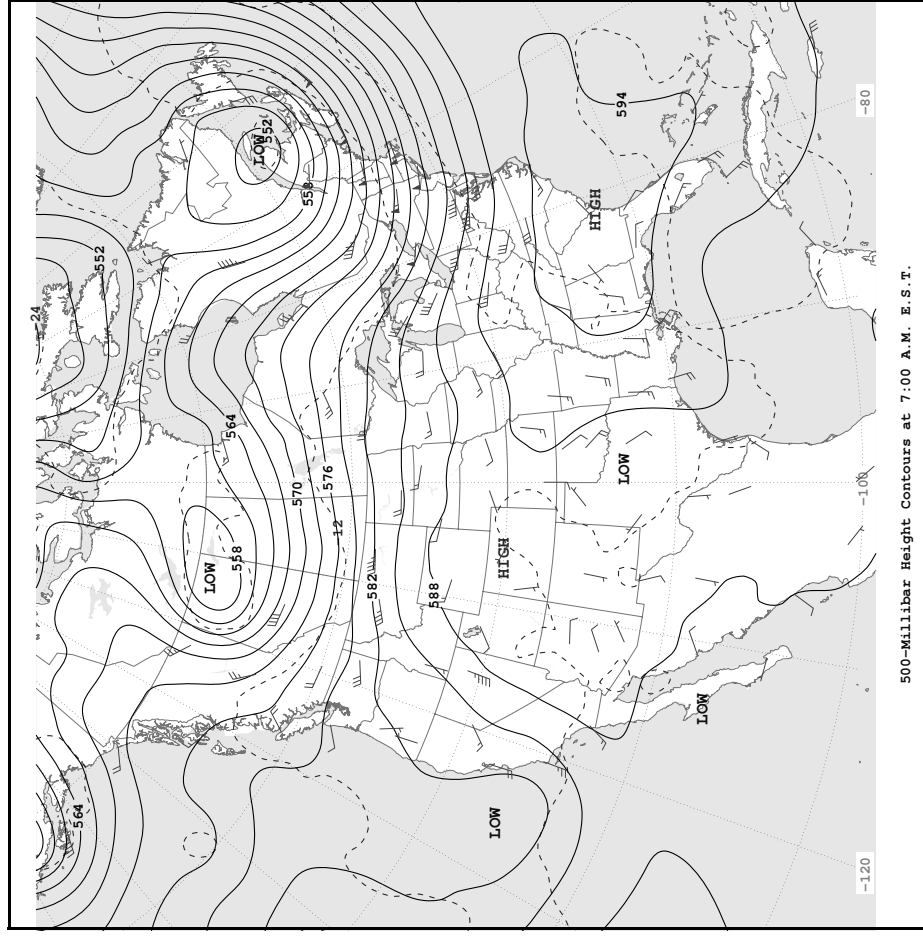
Correspondence to the meteorologists should be directed to: **Daily Weather Map, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.**

The *Daily Weather Map* is available online at www.hpc.ncep.noaa.gov/dwm/dwm.shtml.

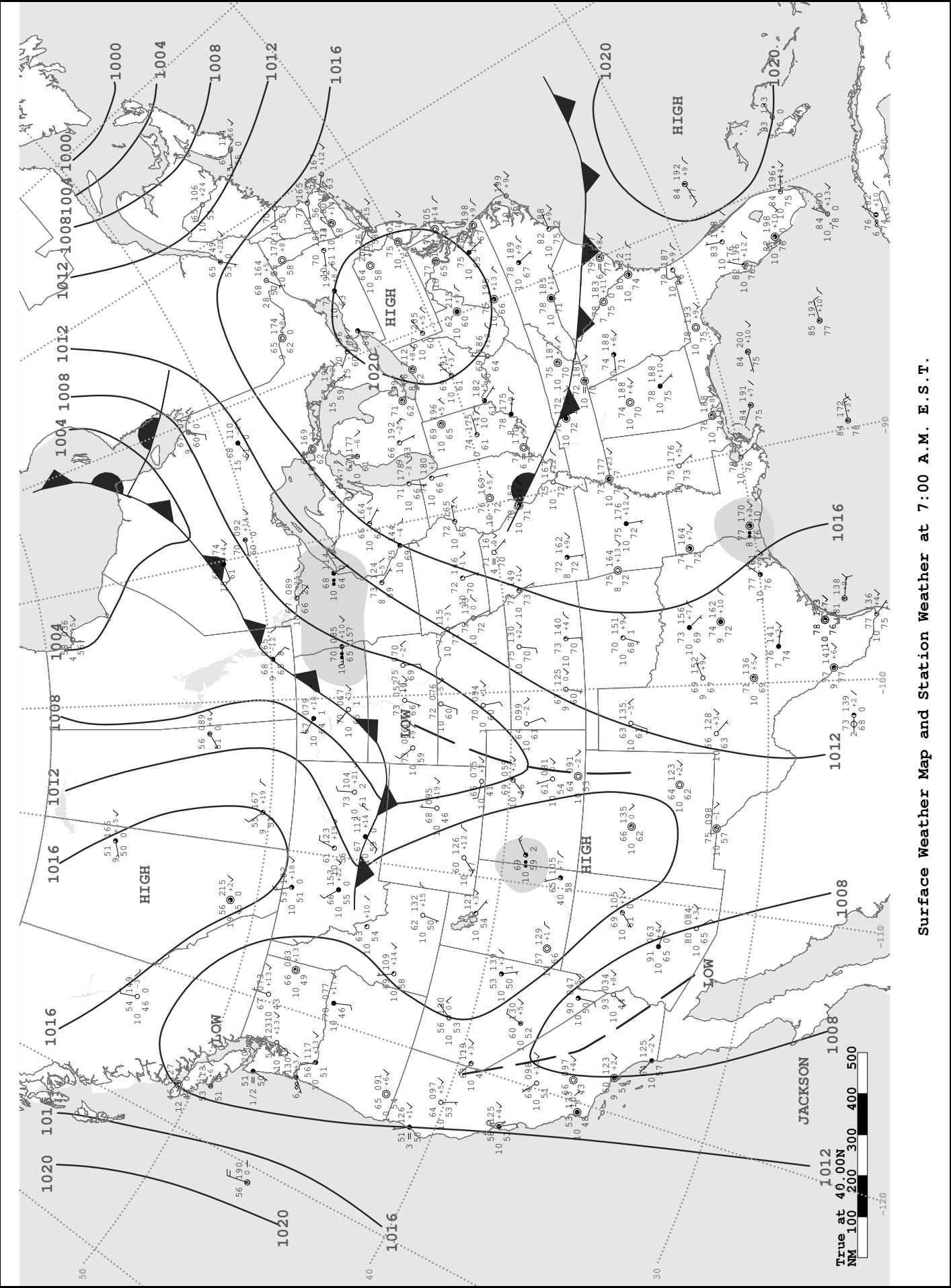
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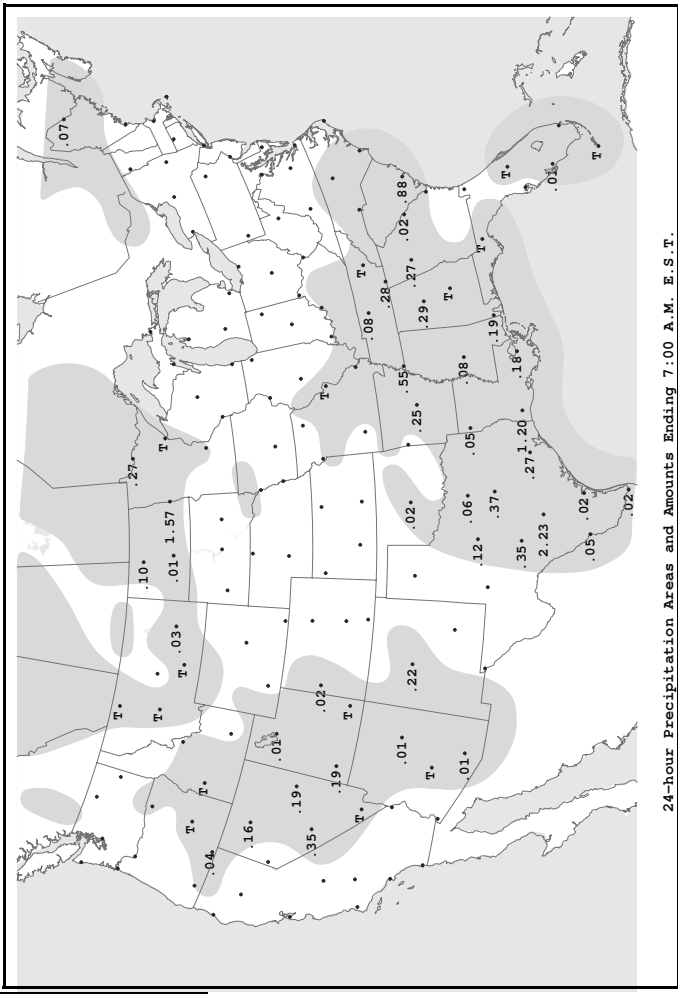
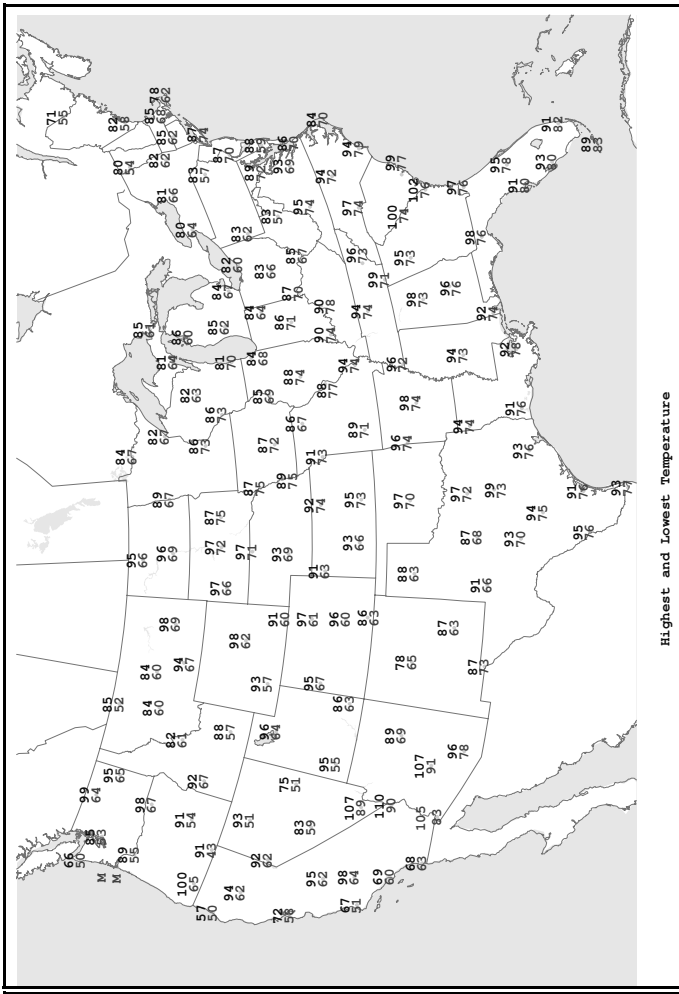
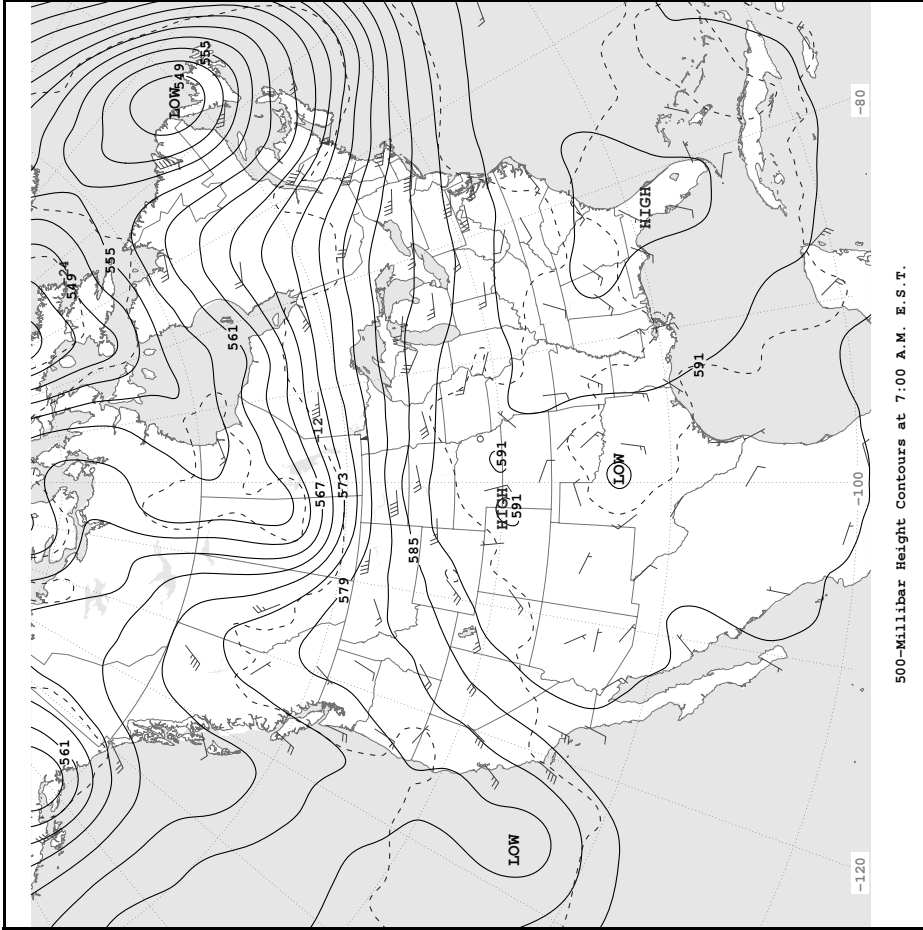
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



MONDAY, JULY 26, 2010



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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

ff

dd

TT

V

WW

TD

RR

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

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

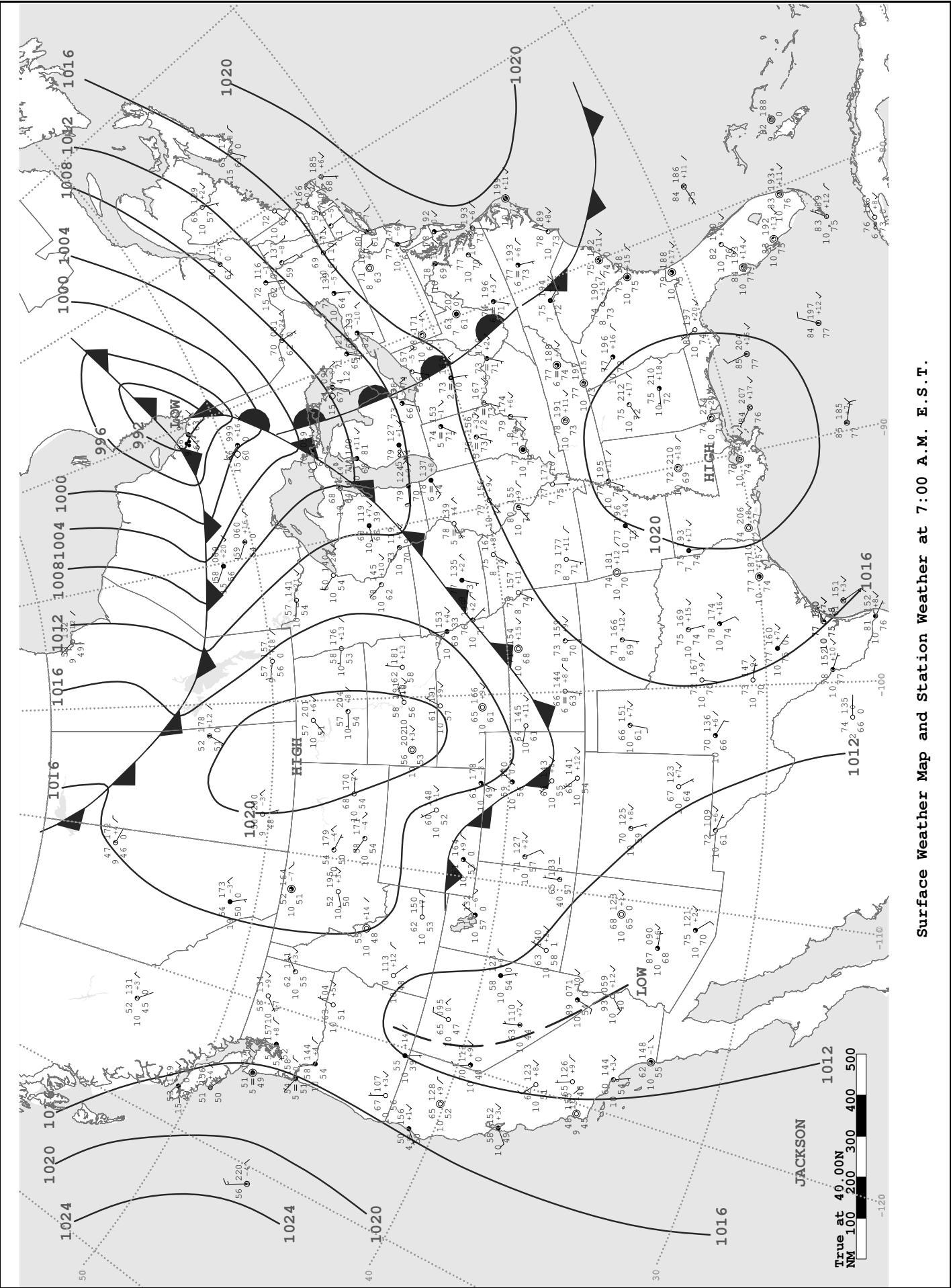
3 Hour Pressure Tendency (in tenths)

6 Hour Total Precipitation (in hundredths of an inch)

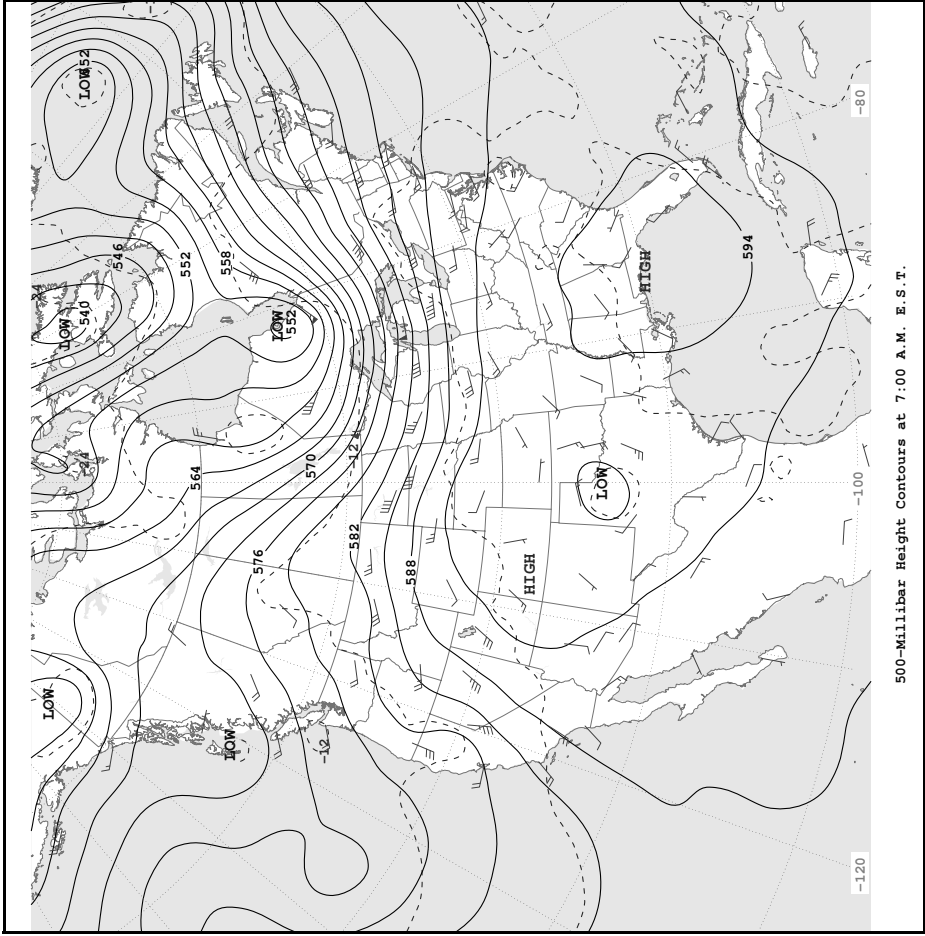
Sky Cover

Station Model

TUESDAY, JULY 27, 2010



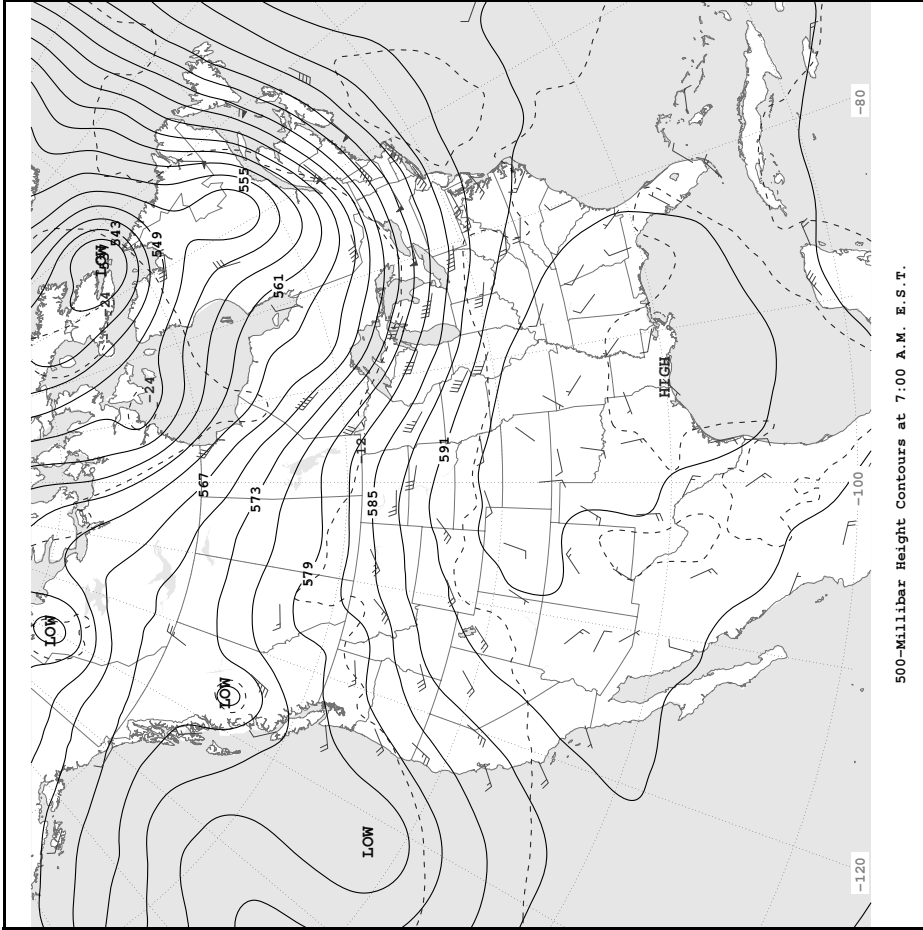
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

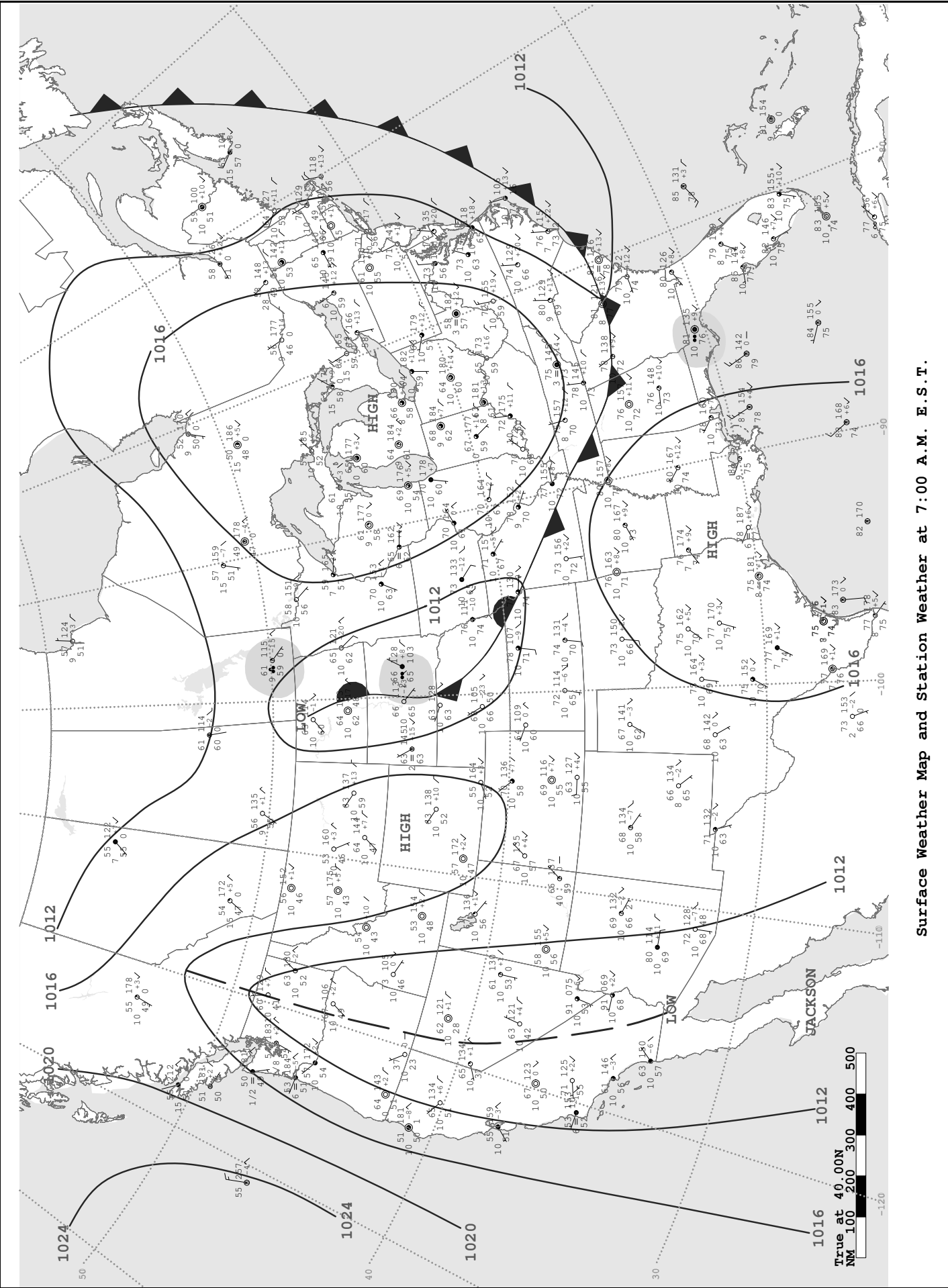


This is a surface weather map of the United States and surrounding regions, valid at 7:00 A.M. E.S.T. The map displays the following features:

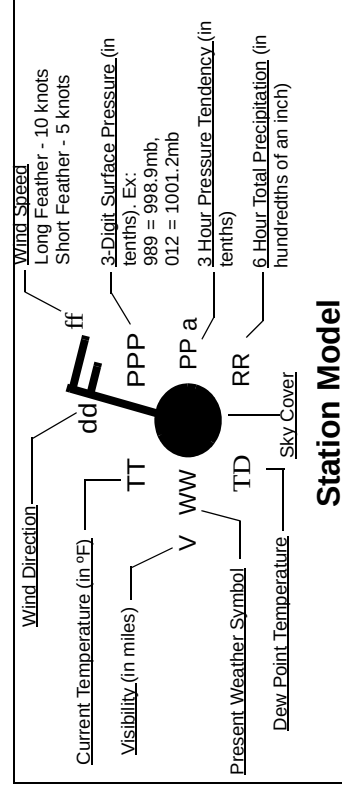
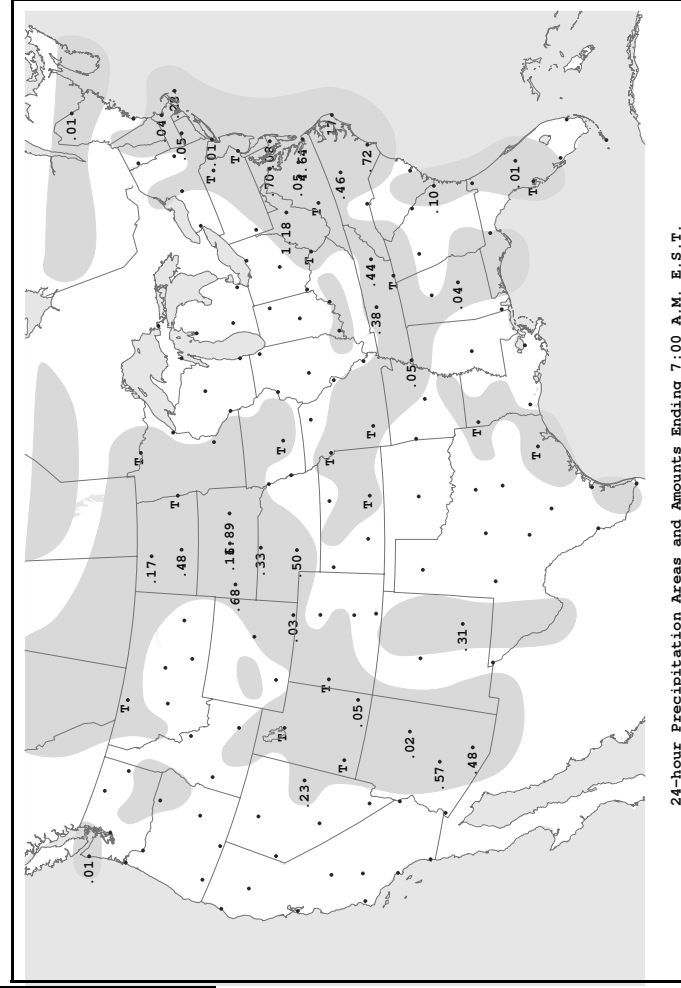
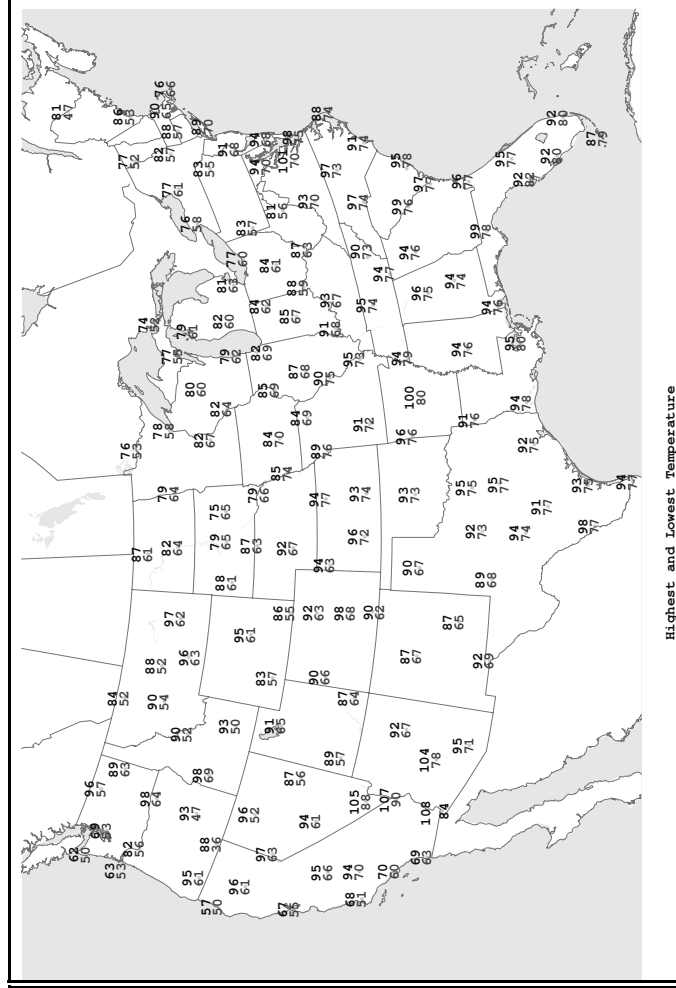
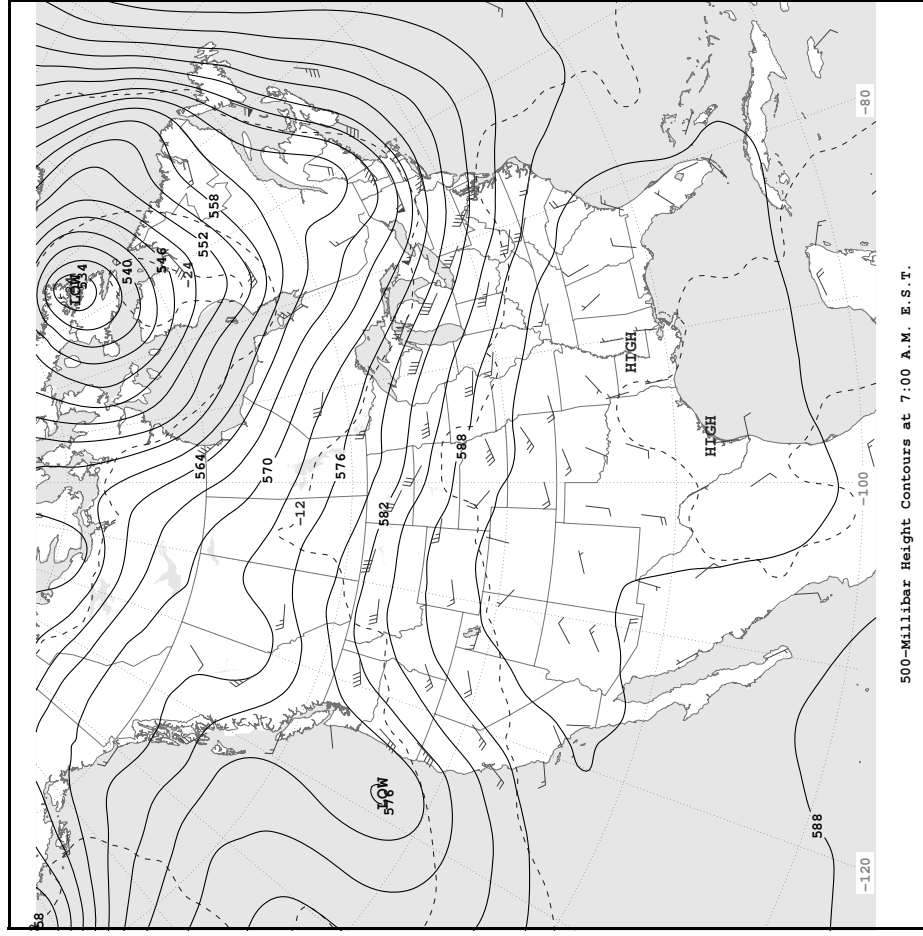
- Pressure Systems:** A high-pressure system is centered over the Great Lakes region, with a pressure of 1020 mb. Another high is located off the East Coast, with a pressure of 1016 mb. A low-pressure system is situated off the Southeastern United States, with a pressure of 1012 mb.
- Fronts:** A cold front extends from the high over the Great Lakes, passing through the Ohio River valley and into the Atlantic. A warm front extends from the low off the East Coast, passing through the Carolinas and into the Atlantic.
- Weather Conditions:** Various weather symbols are plotted, including clouds, precipitation, and wind directions. For example, the area between the high and low off the East Coast shows a mix of clouds and precipitation.
- Station Data:** Numerous weather stations are marked with their respective data, including temperature, humidity, and wind speed. For instance, a station in the Great Lakes shows a temperature of 15°C and a humidity of 51%.
- Map Elements:** The map includes a latitude and longitude grid, a scale bar (0 to 500 NM), and a compass rose. The title "Surface Weather Map and Station Weather at 7:00 A.M. E.S.T." is located in the bottom right corner.

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

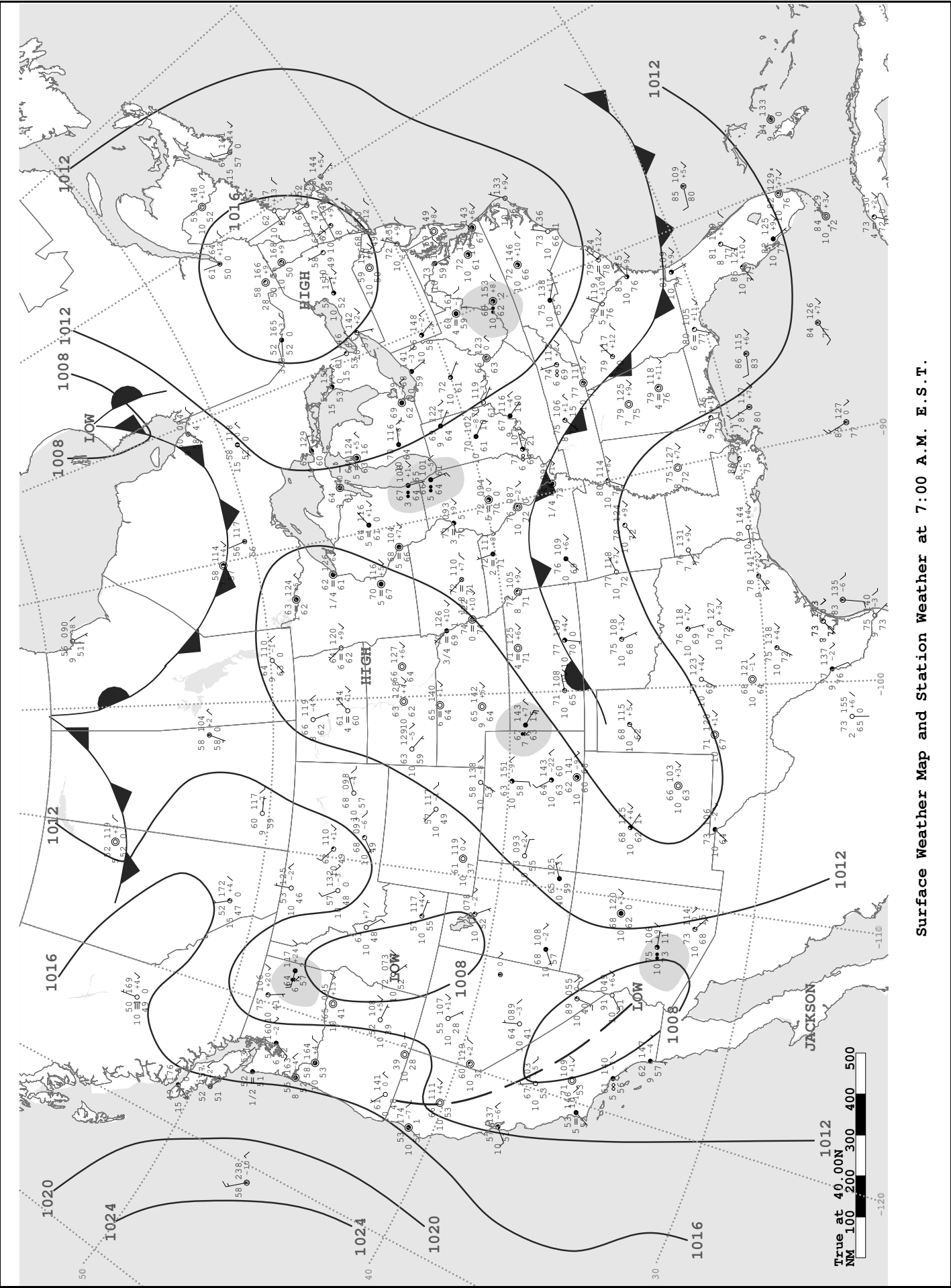




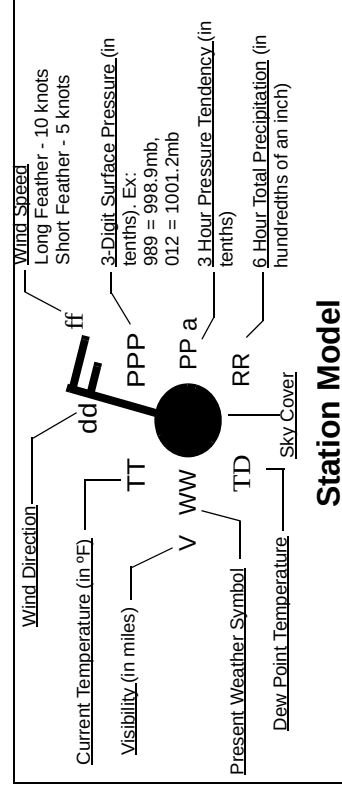
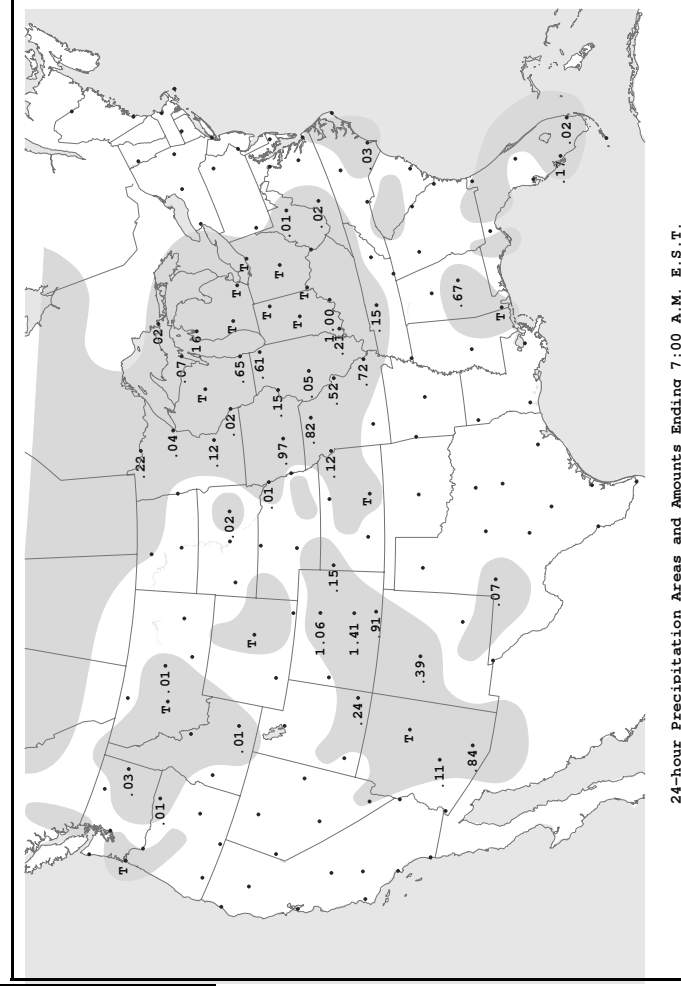
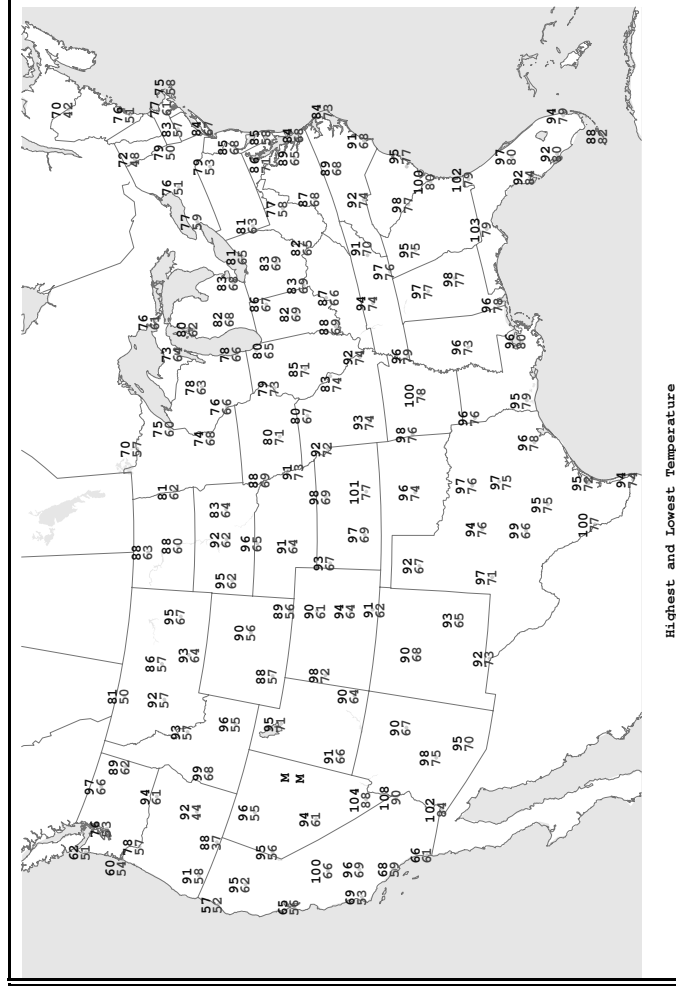
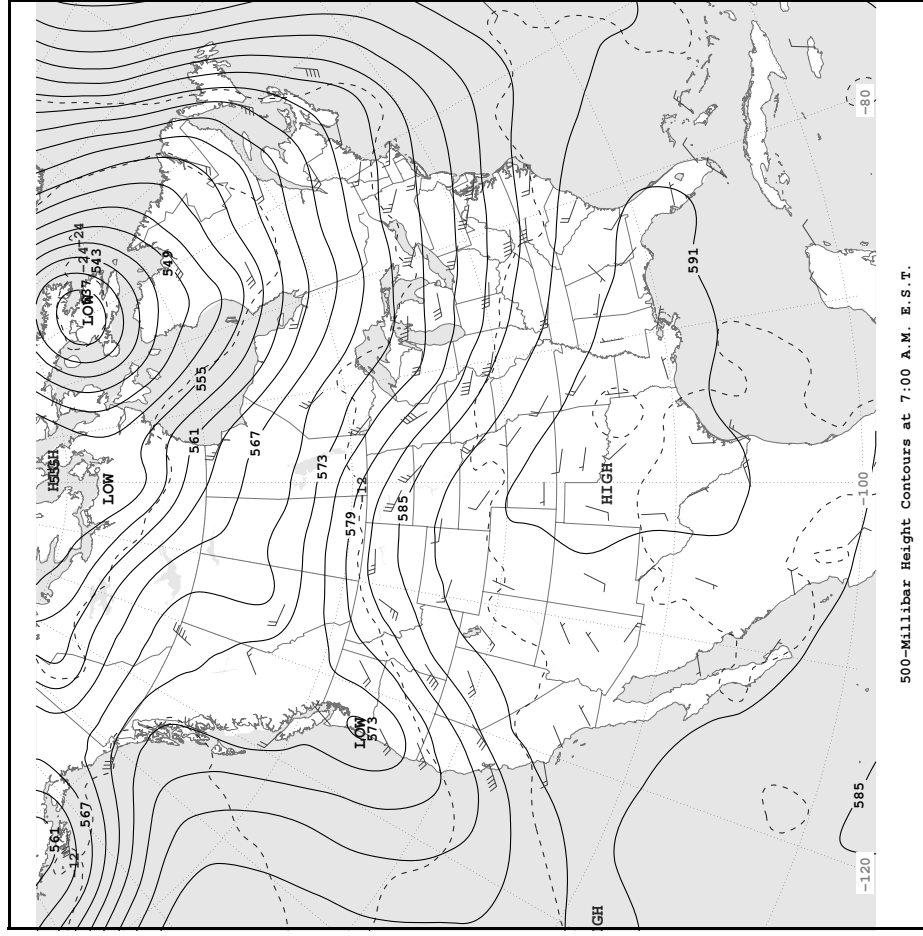
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



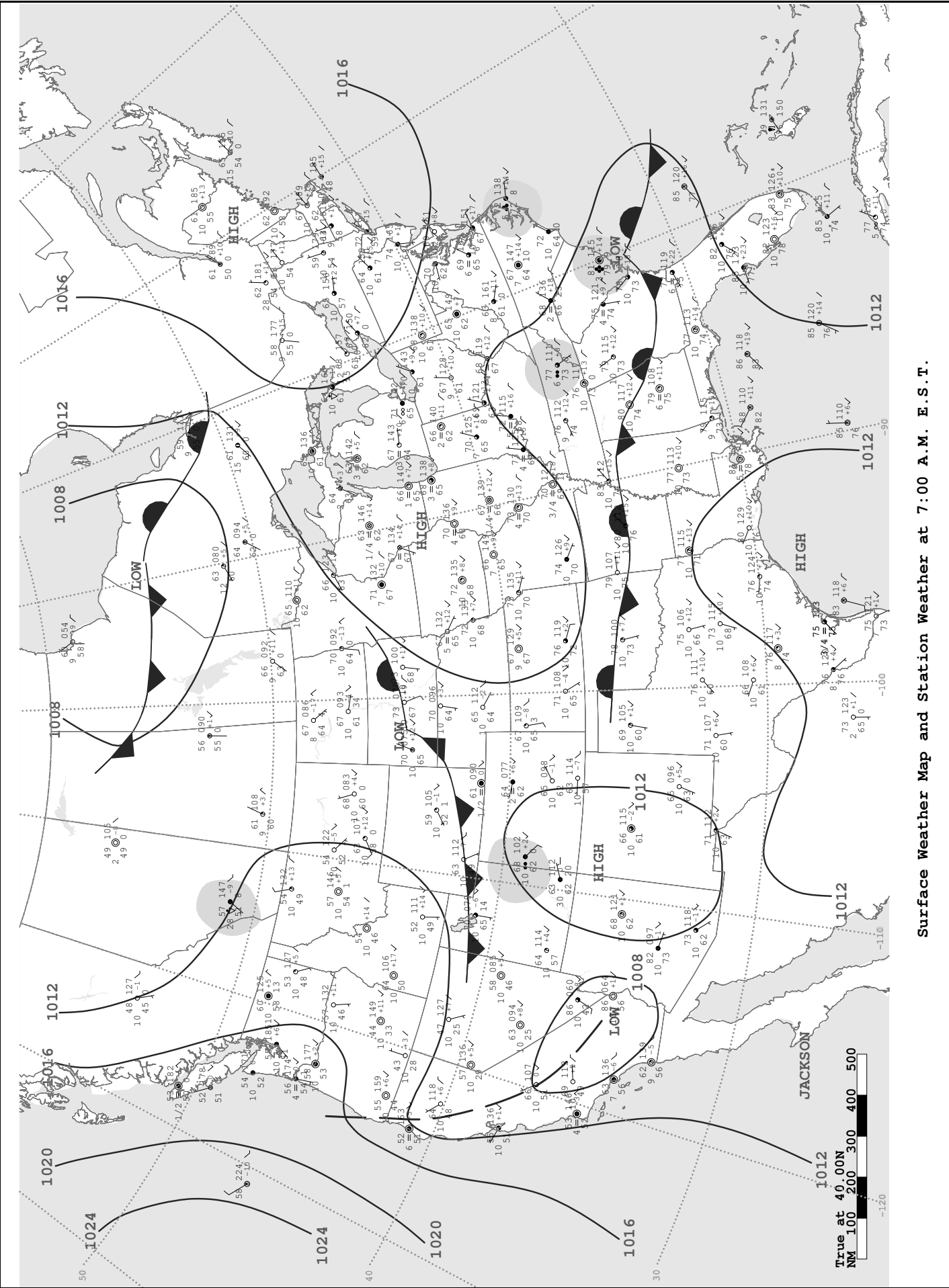
FRIDAY, JULY 30, 2010



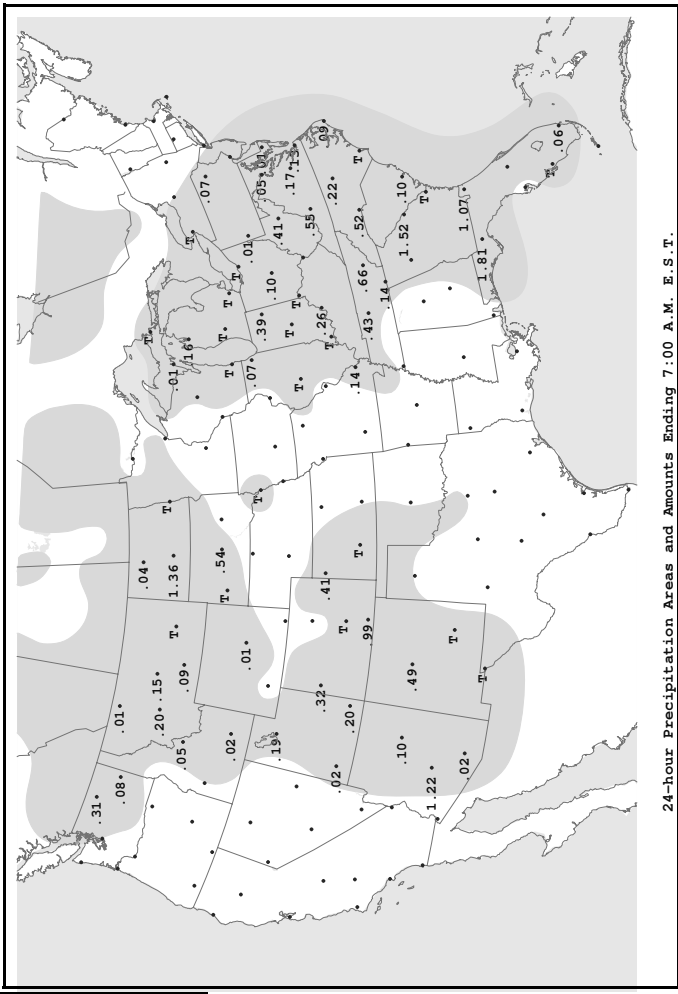
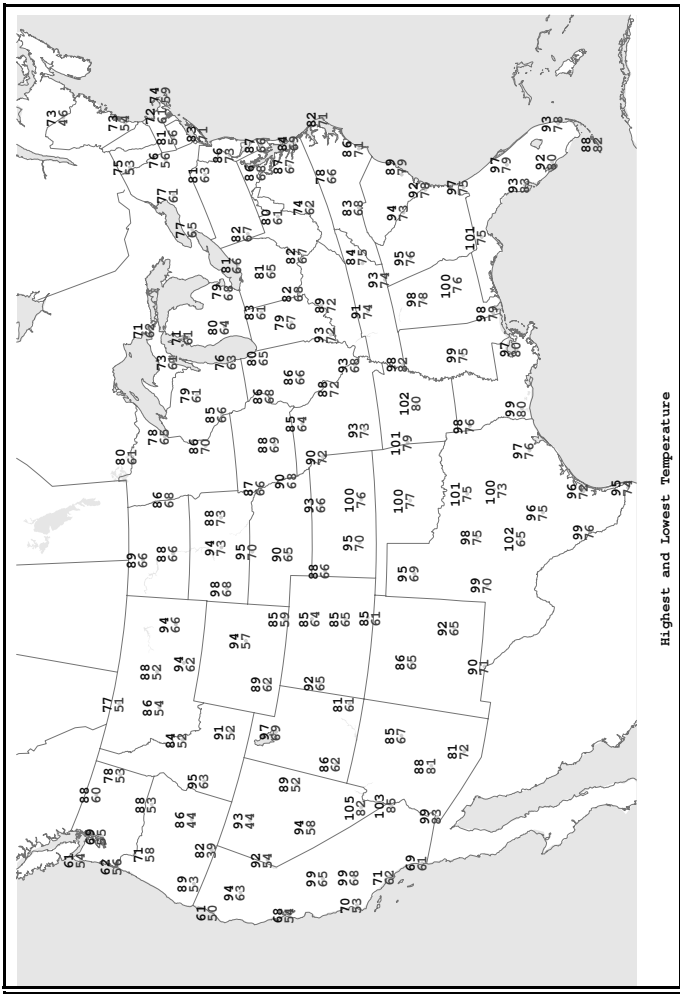
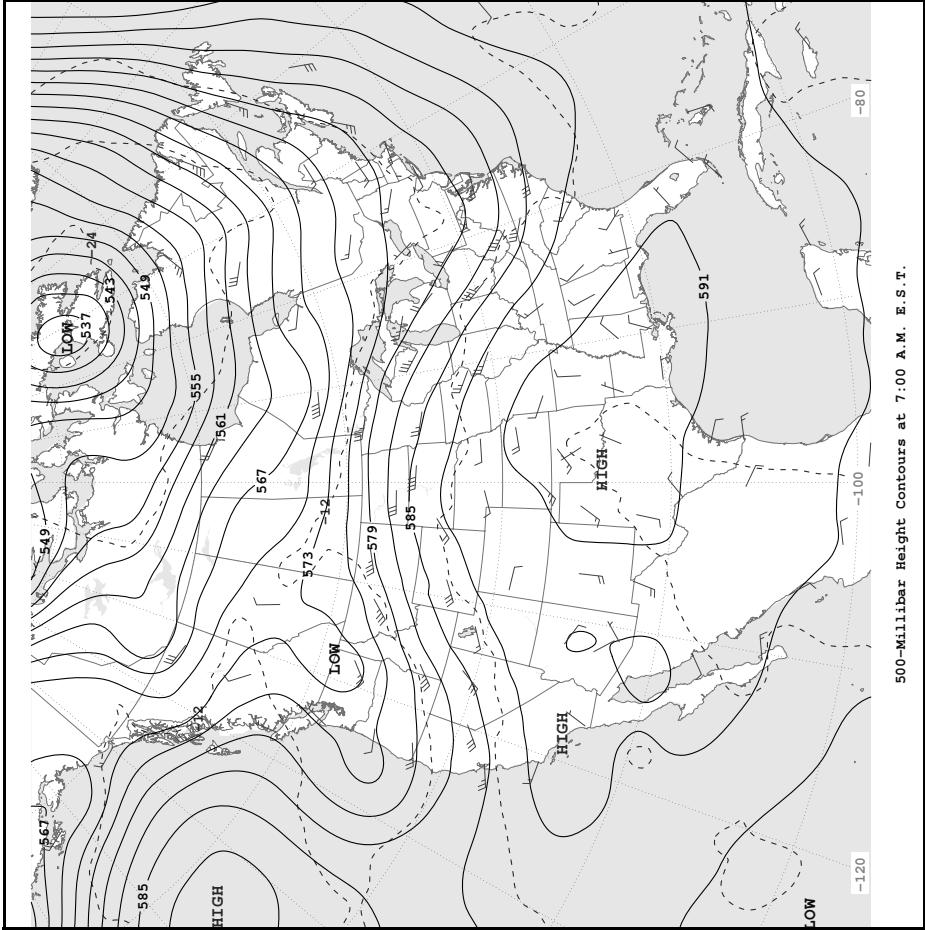
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



SATURDAY, JULY 31, 2010



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



Wind Direction

Current Temperature (in °F)

Visibility (in miles)

Present Weather Symbol

Dew Point Temperature

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

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

3 Hour Pressure Tendency (in tenths)

6 Hour Total Precipitation (in hundredths of an inch)

Station Model

SUNDAY, AUGUST 1, 2010

NOAA/NWS/NCEP/HPC
Daily Weather Maps, W/NP3
5200 Auth Road, Room 410
Camp Springs, MD 20746-4304

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Daily Weather Map Station Names and Locations