



Daily Weather Maps

DECEMBER 28, 2009 - JANUARY 3, 2010

Week 53

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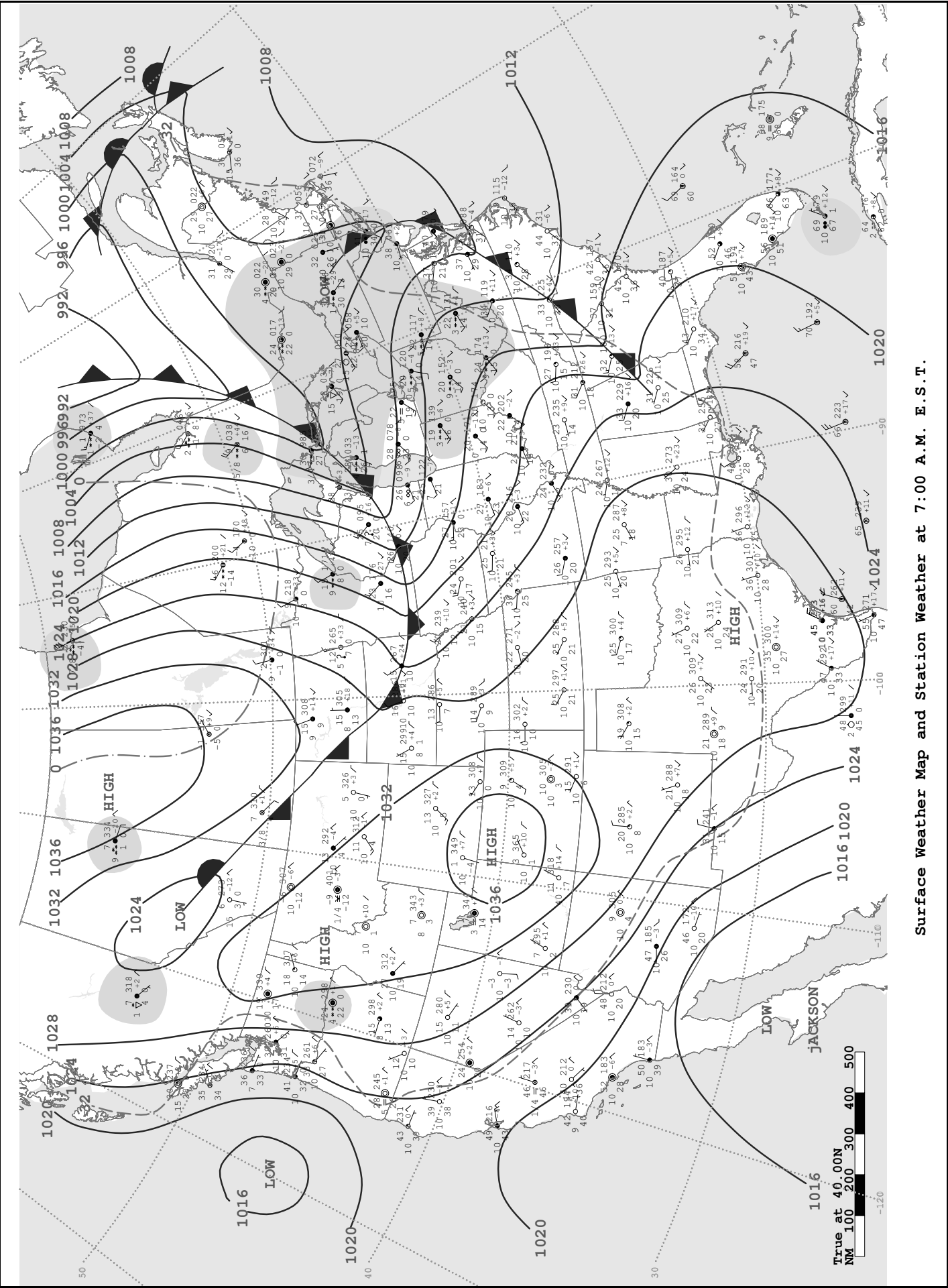
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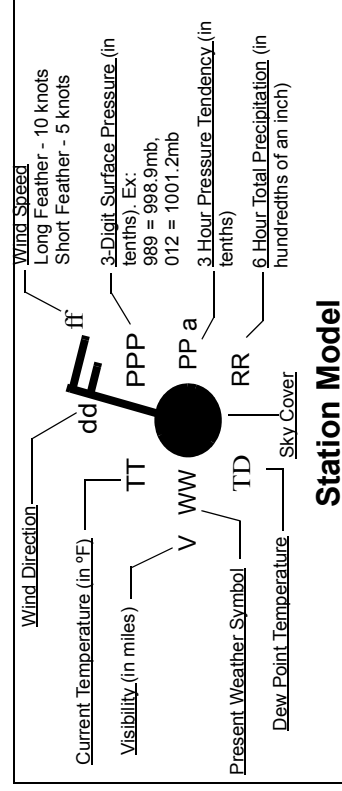
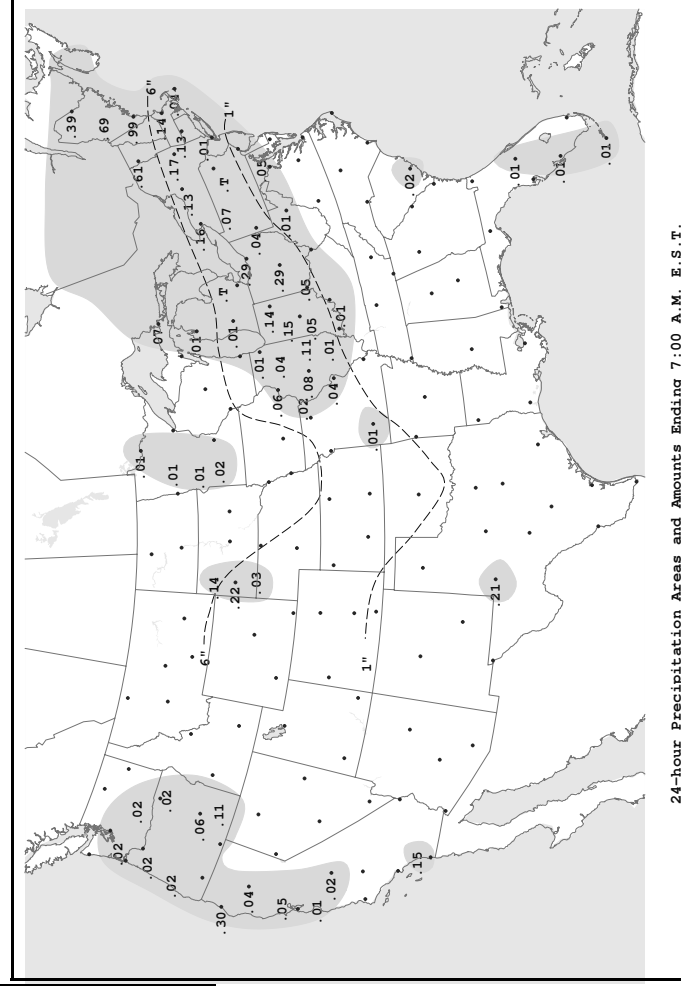
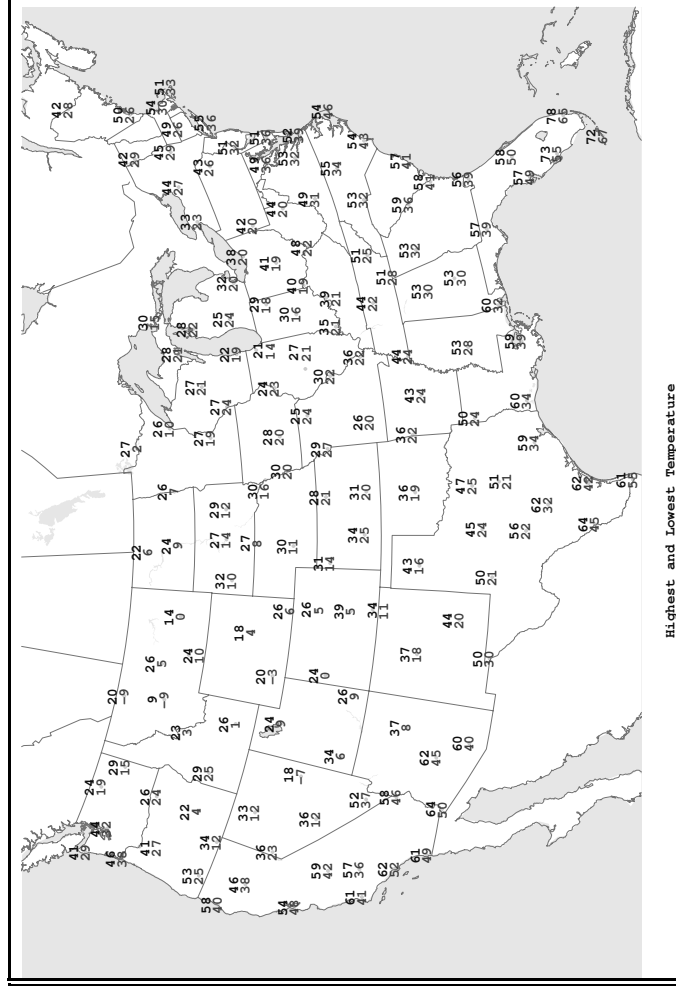
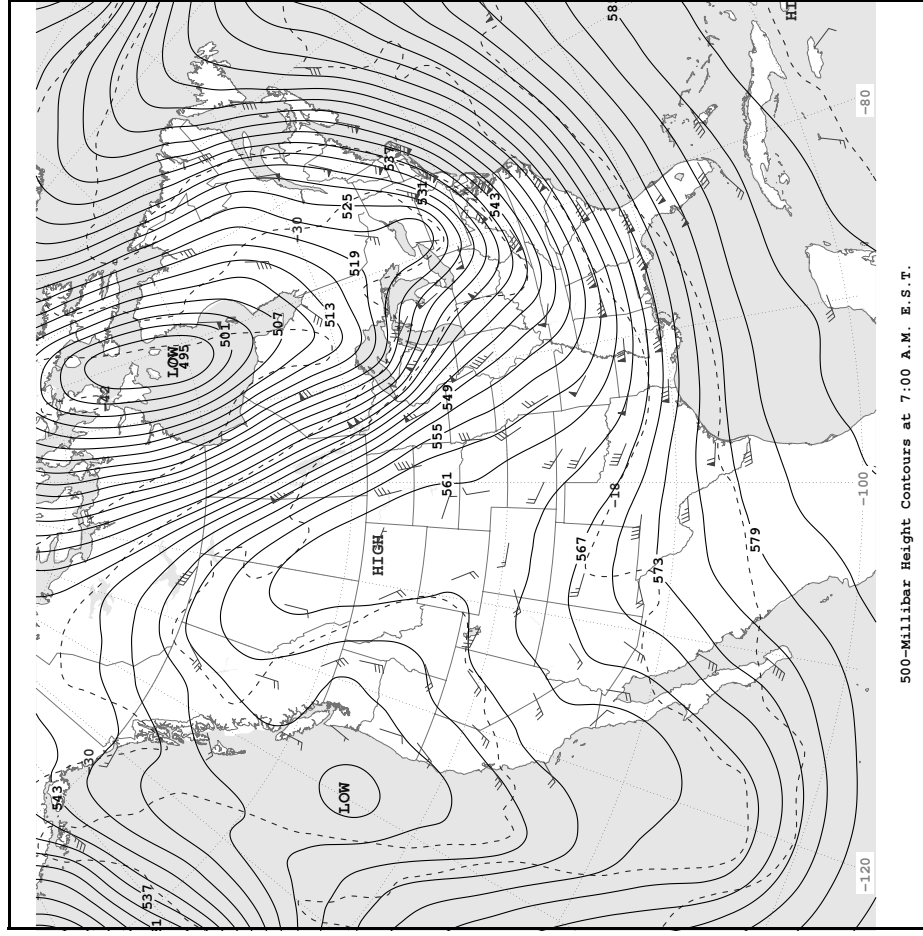
Correspondence to the meteorologists should be directed to: *Daily Weather Map*, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.

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

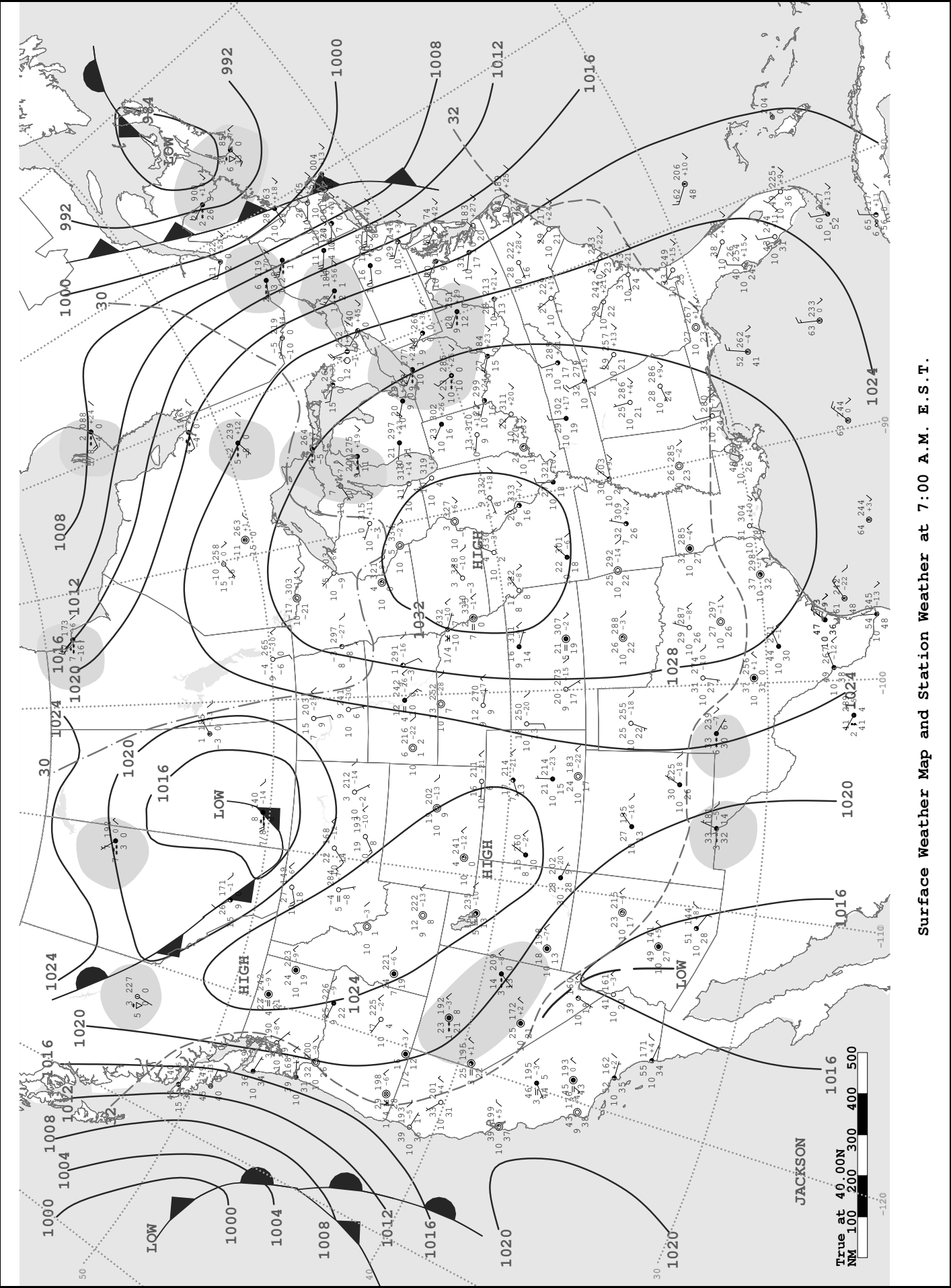
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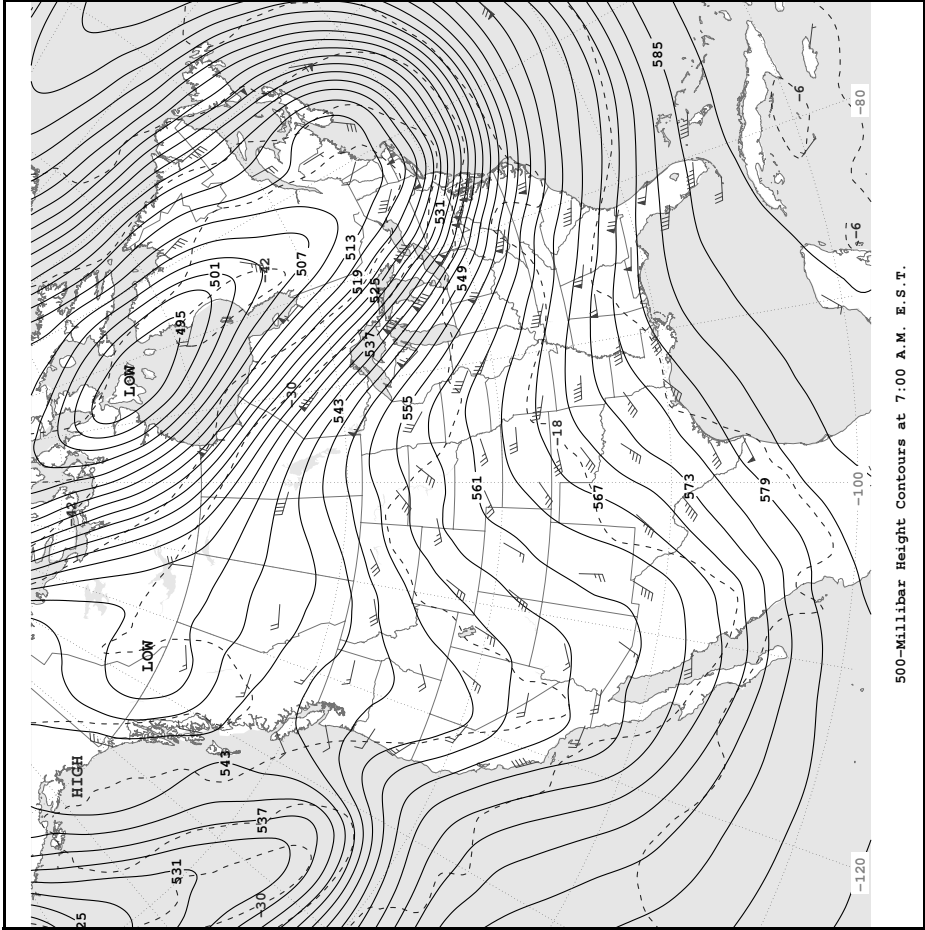
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



MONDAY, DECEMBER 28, 2009



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



Wind Direction

Current Temperature (in °F)

dd

Visibility (in miles)

V

Wind Speed

Long Feather - 10 knots

Short Feather - 5 knots

3-Digit Surface Pressure (in tenths) Ex:

989 = 998.9mb

012 = 1001.2mb

Present Weather Symbol

TT

Dew Point Temperature

WW

3 Hour Pressure Tendency (in tenths)

PPP

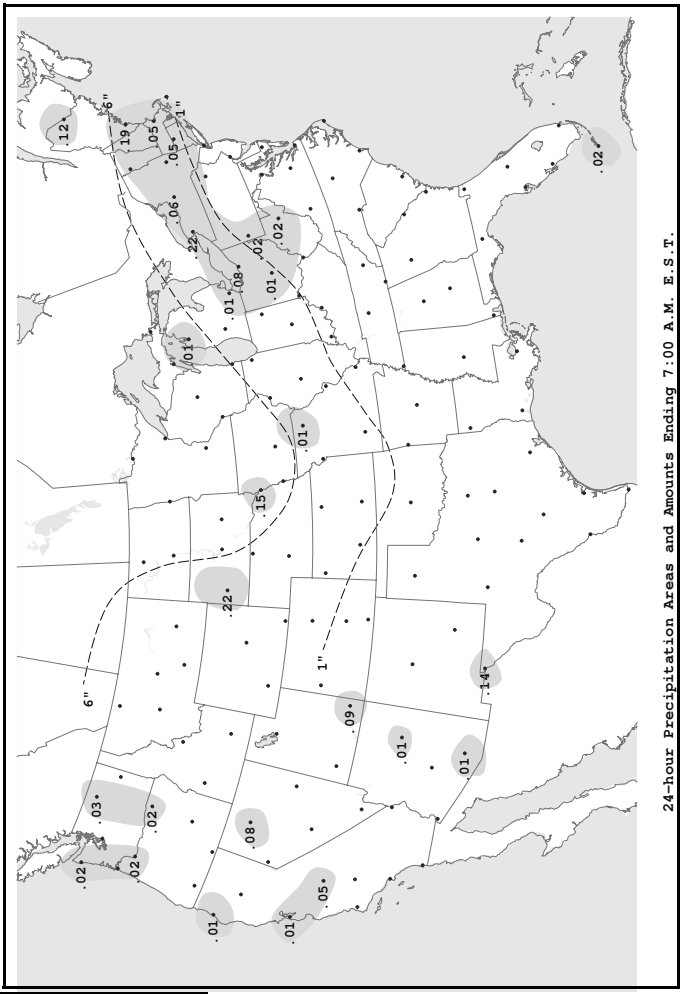
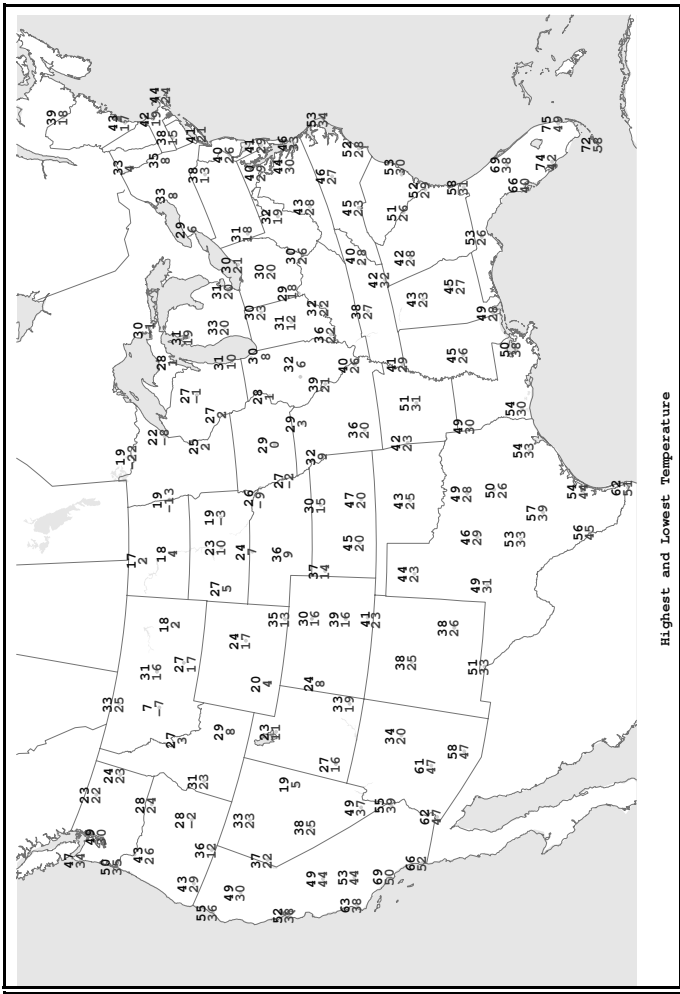
6 Hour Total Precipitation (in hundredths of an inch)

PP a

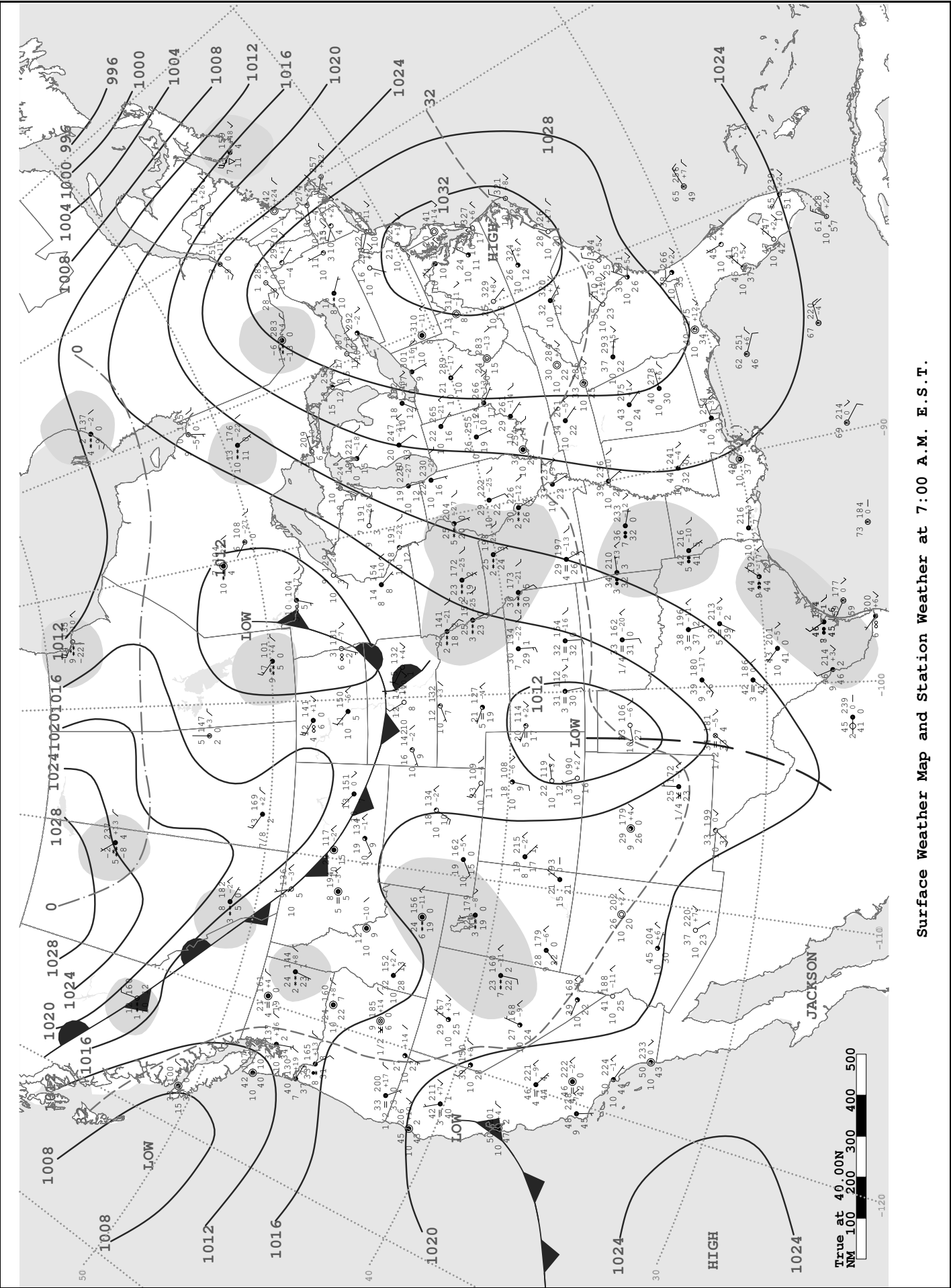
RR

Sky Cover

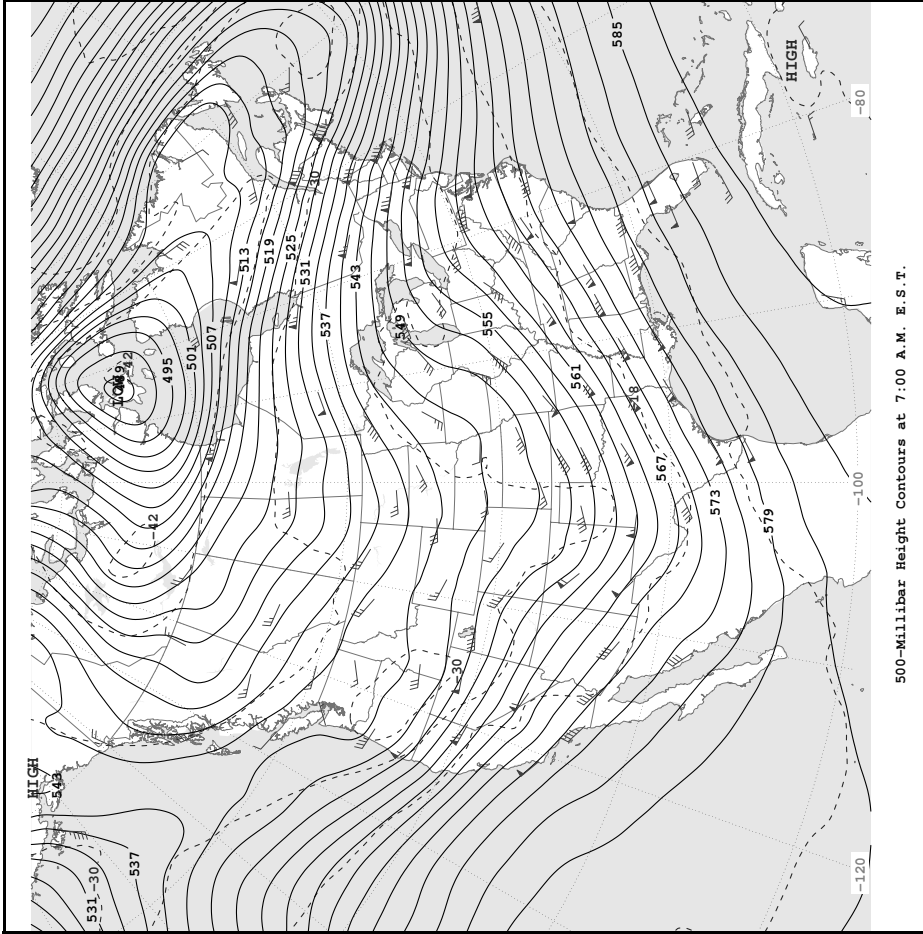
Station Model



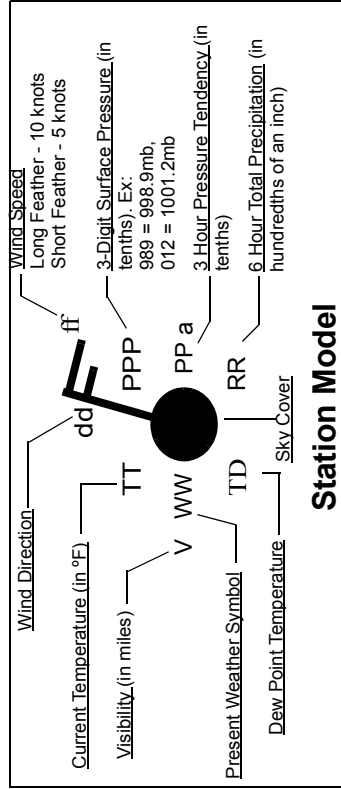
TUESDAY, DECEMBER 29, 2009



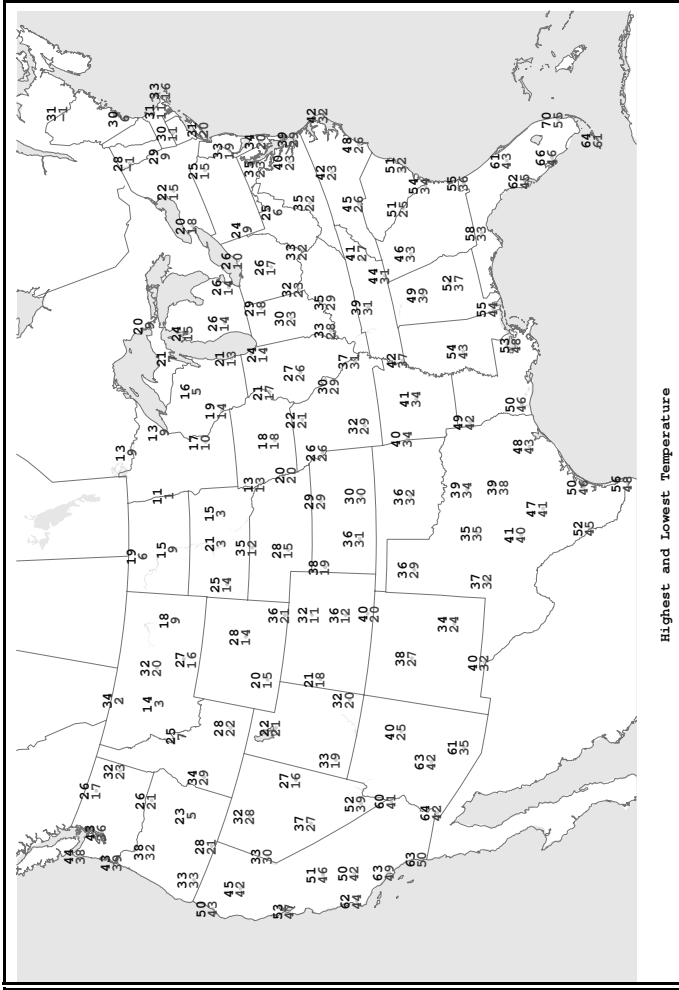
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



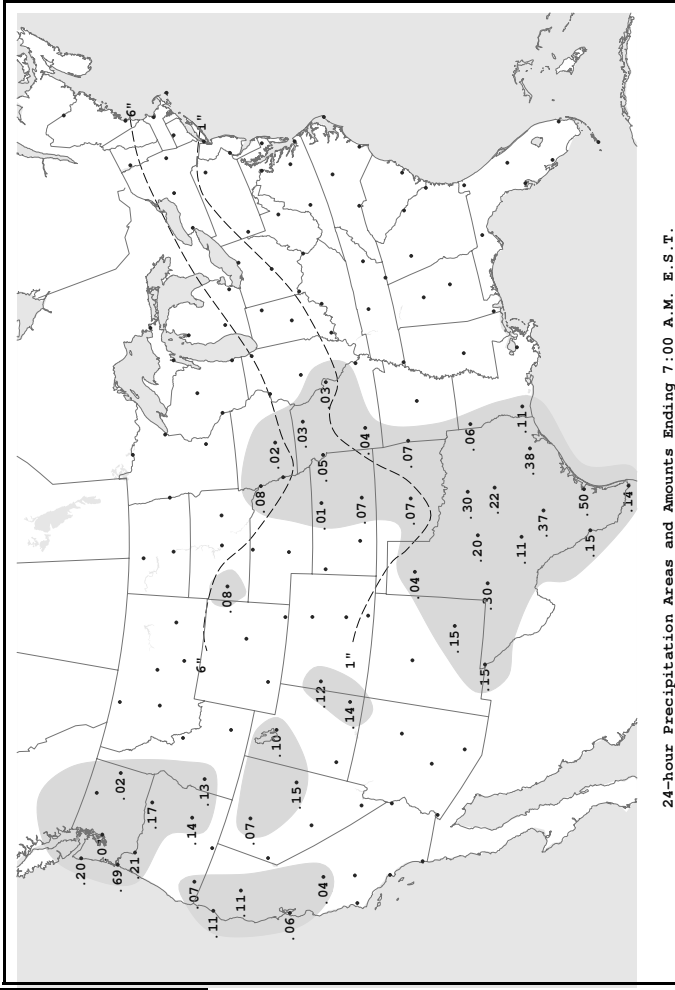
500-Millibar Height Contours at 7:00 A.M. E.S.T.



WEDNESDAY, DECEMBER 30, 2009



Highest and Lowest Temperature



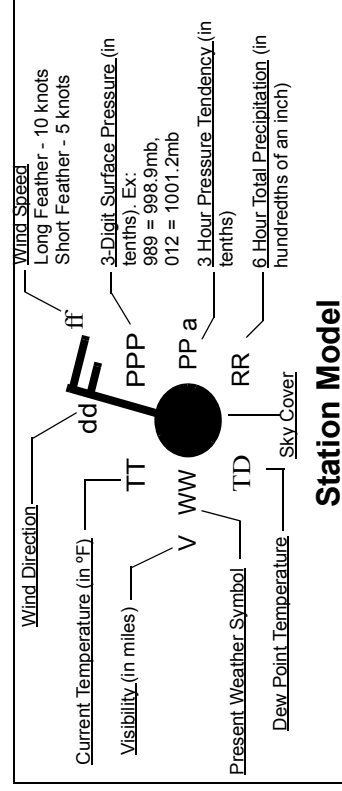
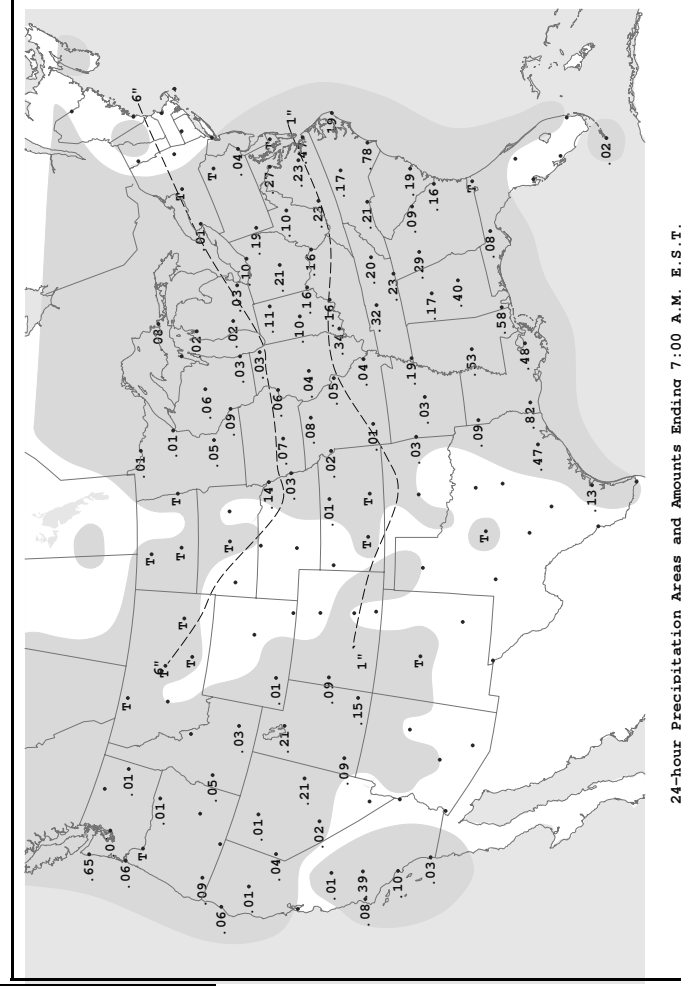
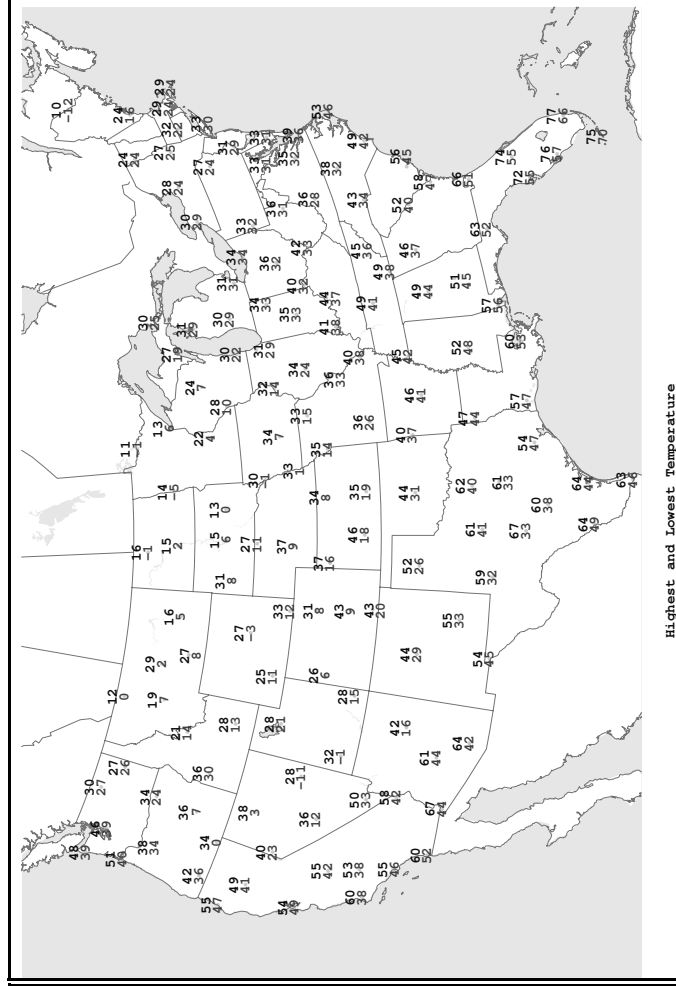
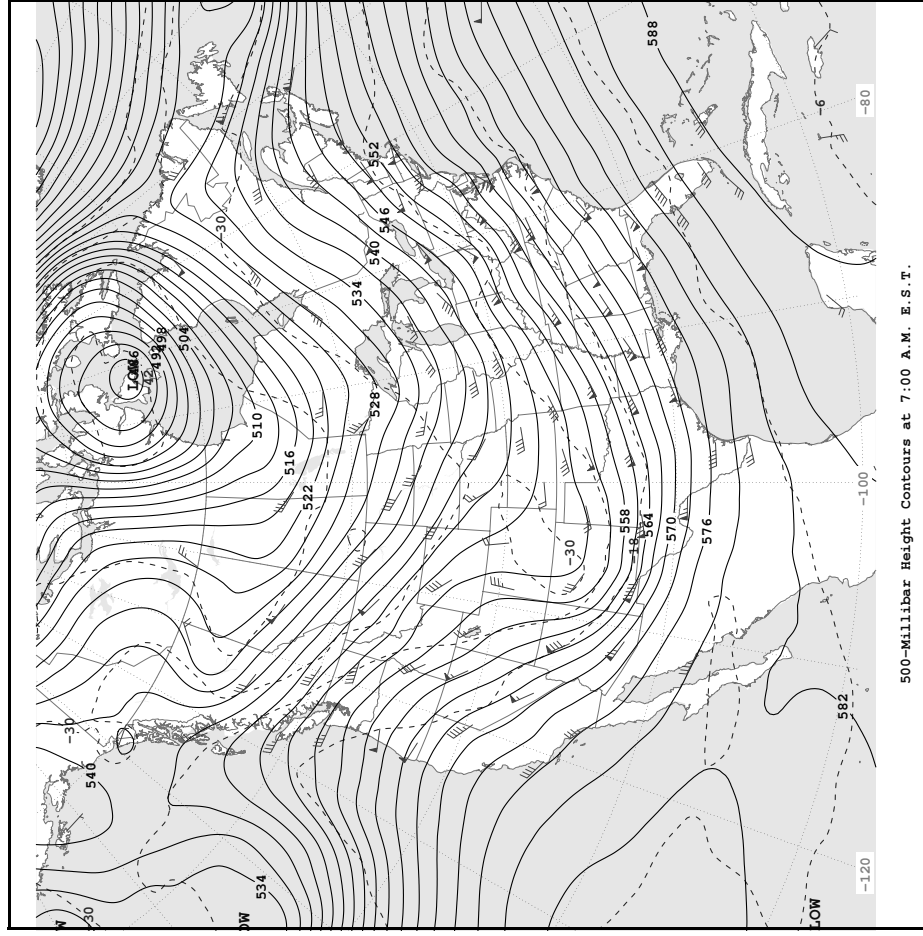
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

This is a detailed surface weather map of the North Atlantic and surrounding regions, showing pressure systems, fronts, and station data at 7:00 A.M. E.S.T. The map includes isobars, isotherms, and various weather symbols. A scale bar at the bottom indicates distances from 0 to 500 NM. The map is titled "Surface Weather Map and Station Weather at 7:00 A.M. E.S.T."

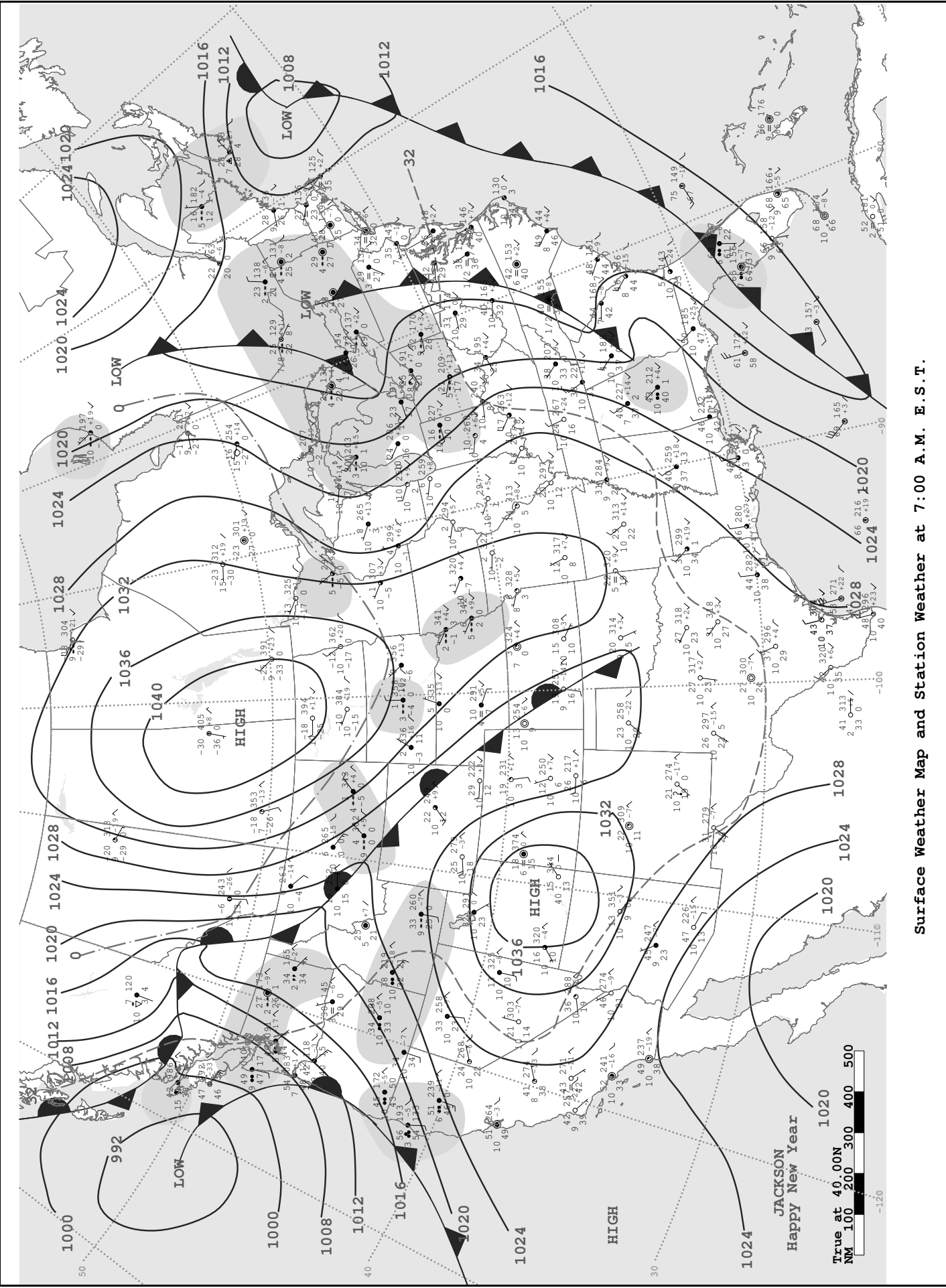
Key Features:

- Pressure Systems:** High pressure systems are located over the North Atlantic (around 45°N, 40°W) and the Gulf of Mexico (around 25°N, 90°W). Low pressure systems are located over the British Isles (around 55°N, 10°W) and the Caribbean Sea (around 15°N, 80°W).
- Fronts:** Cold fronts are indicated by lines with triangles pointing in the direction of movement. Warm fronts are indicated by lines with semicircles pointing in the direction of movement. Occluded fronts are indicated by lines with alternating triangles and semicircles.
- Station Data:** Numerous weather stations are marked with symbols indicating cloud cover, wind direction and speed, and other weather parameters. Some stations include numerical data for temperature, humidity, and other variables.
- Geographical Labels:** The map includes labels for major cities (e.g., New York, London, Mexico City), bodies of water (e.g., North Atlantic, Gulf of Mexico), and landmasses (e.g., North America, Europe, Africa).
- Scale and Time:** A scale bar at the bottom indicates distances from 0 to 500 NM. The time is 7:00 A.M. E.S.T.

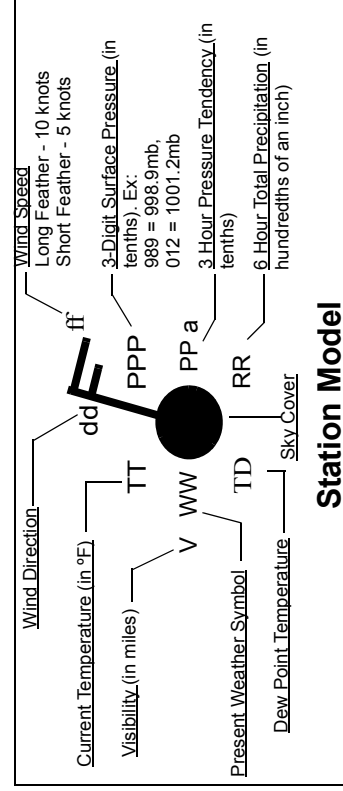
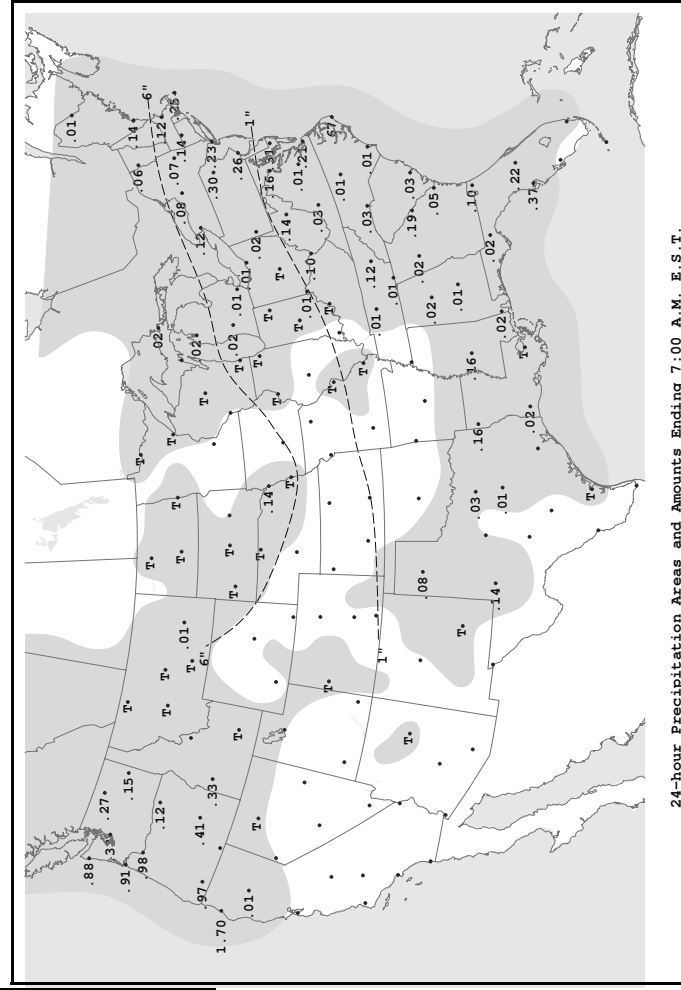
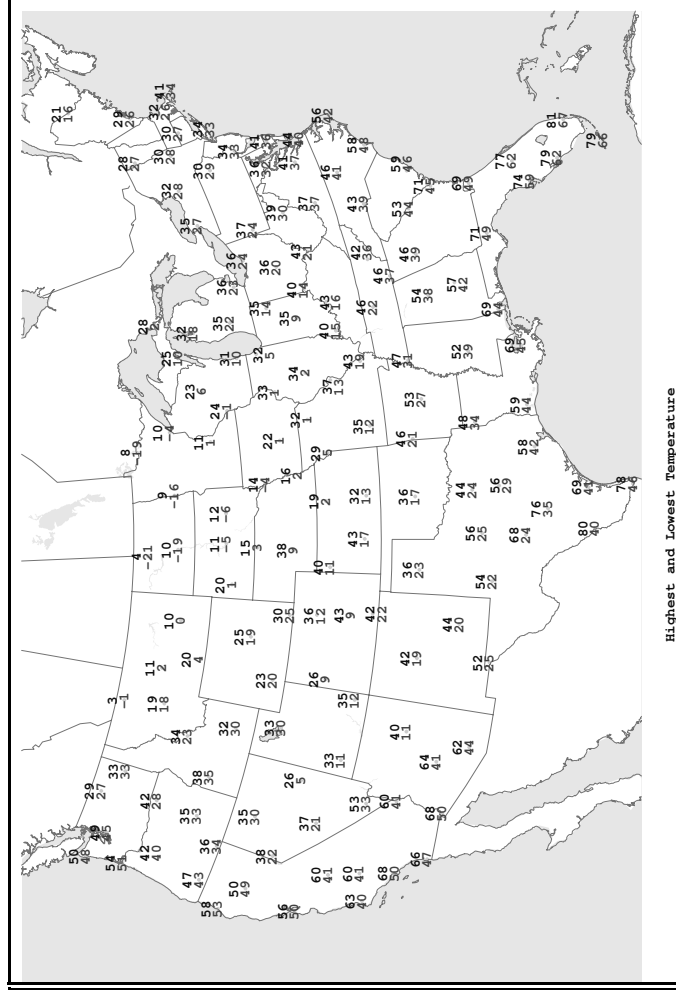
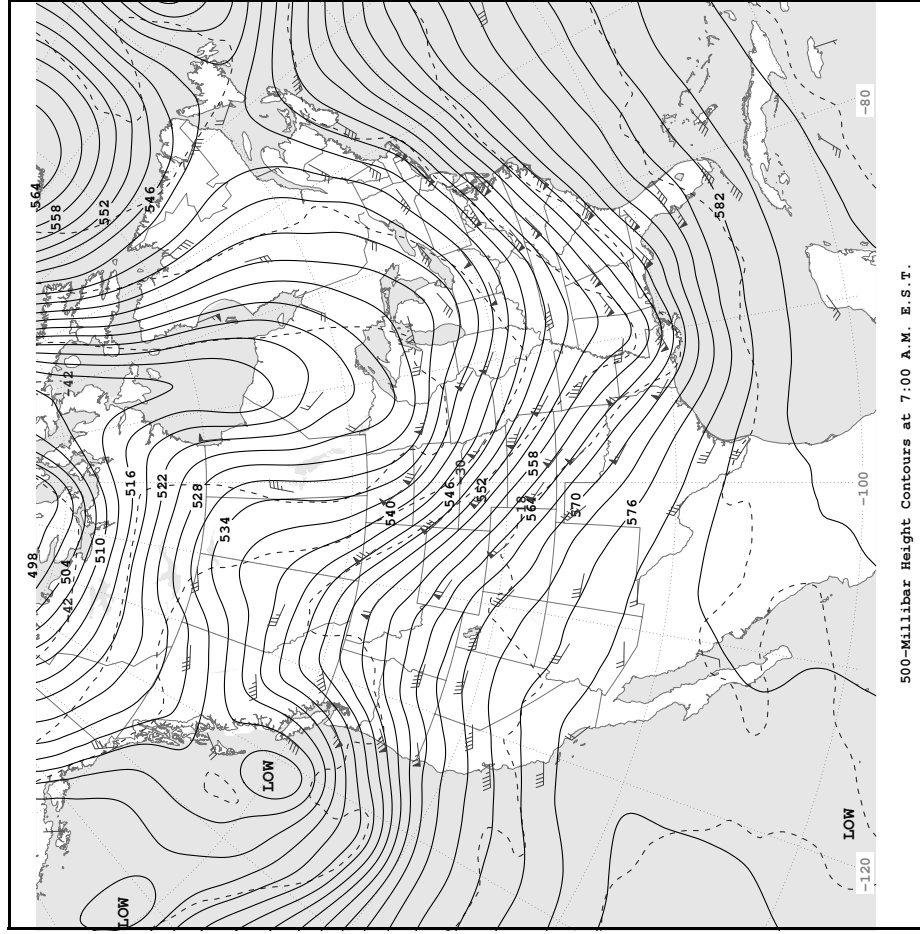
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



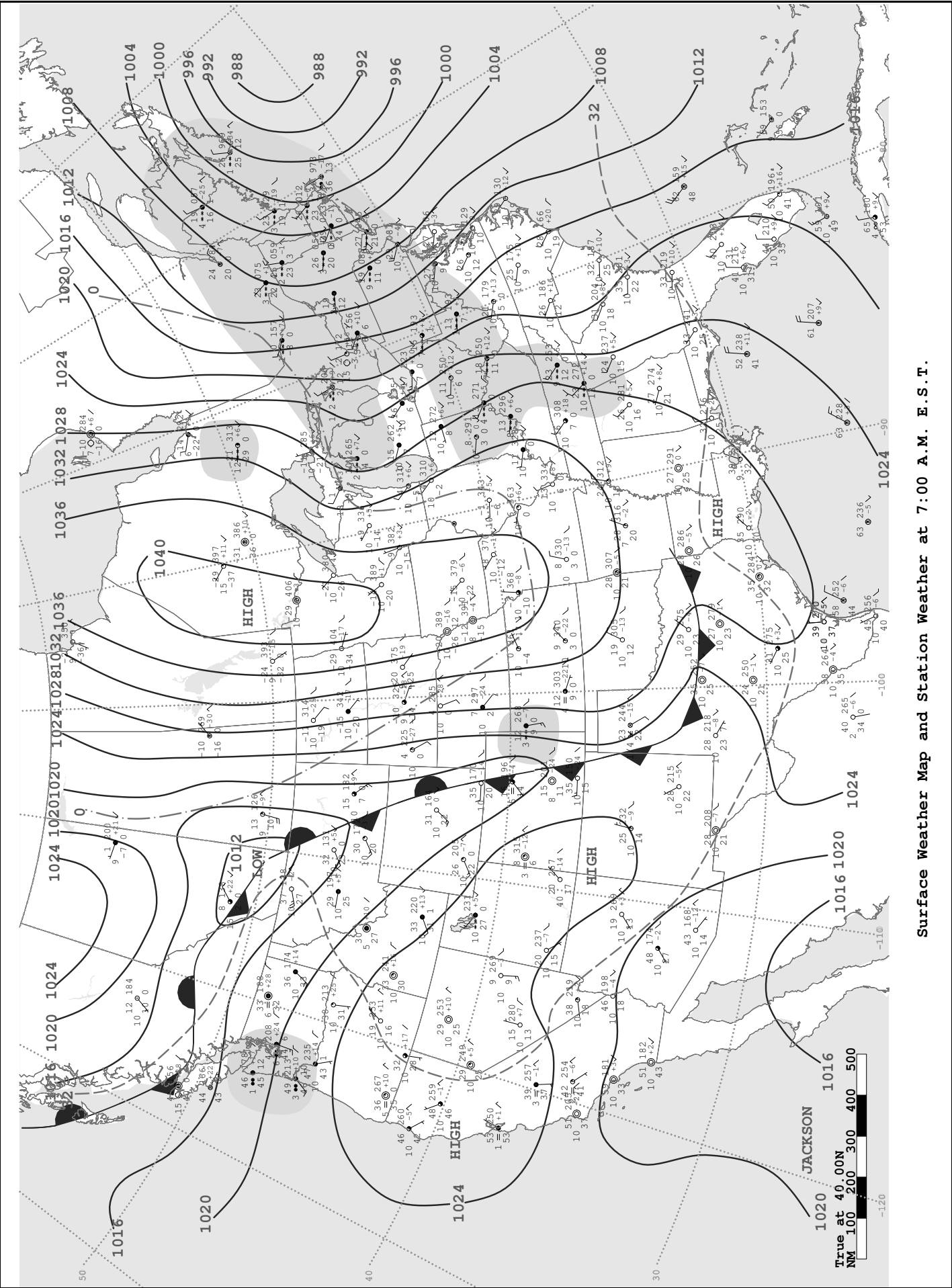
THURSDAY, DECEMBER 31, 2009



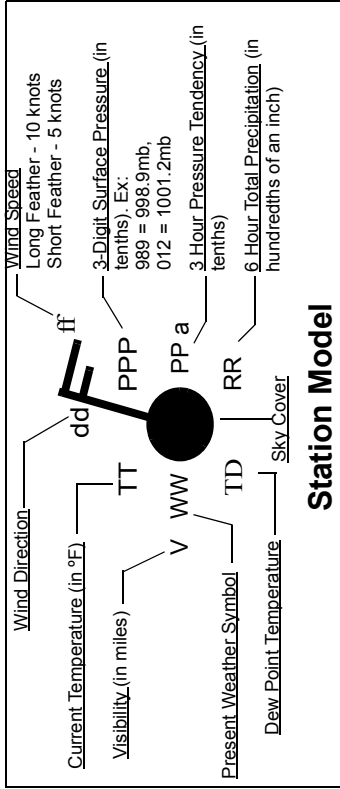
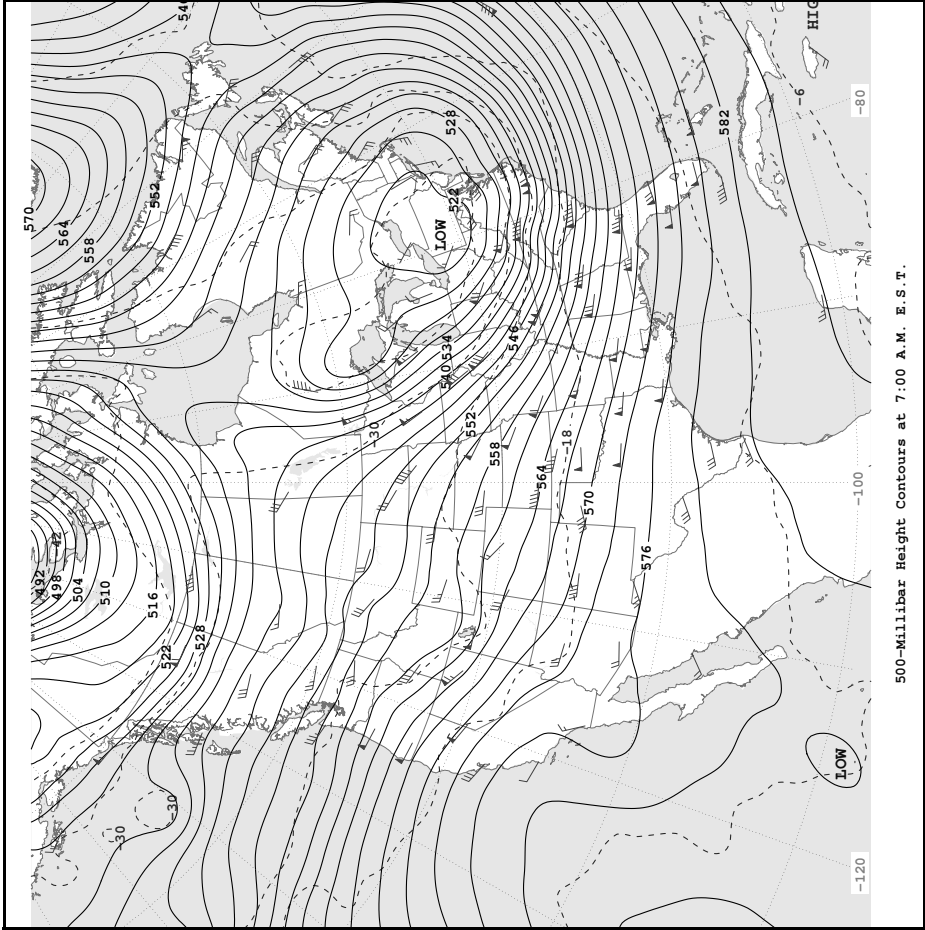
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



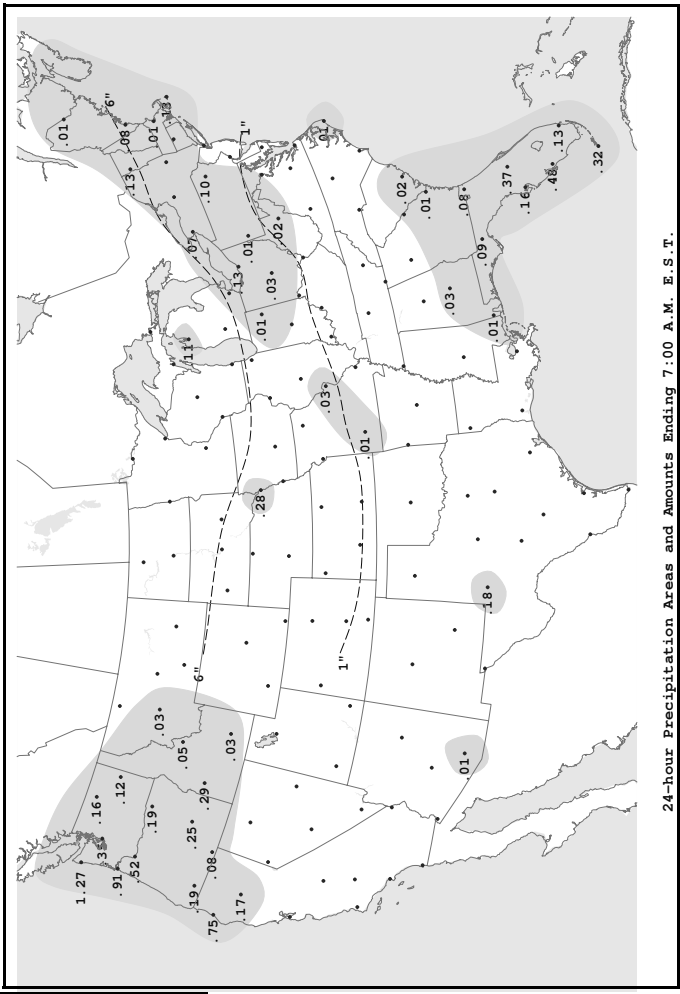
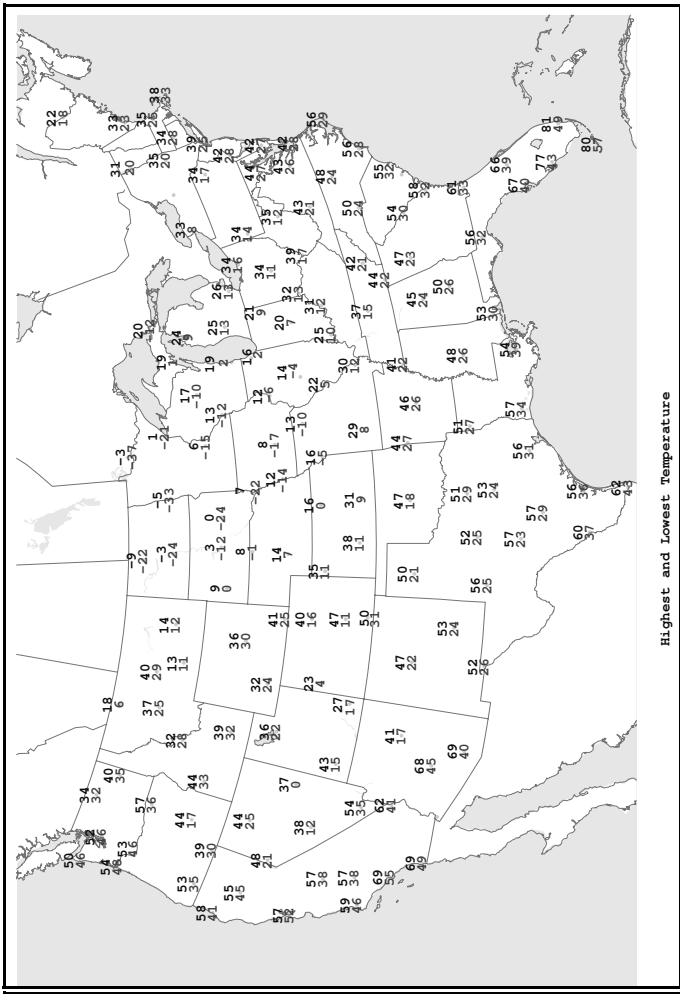
FRIDAY, JANUARY 1, 2010

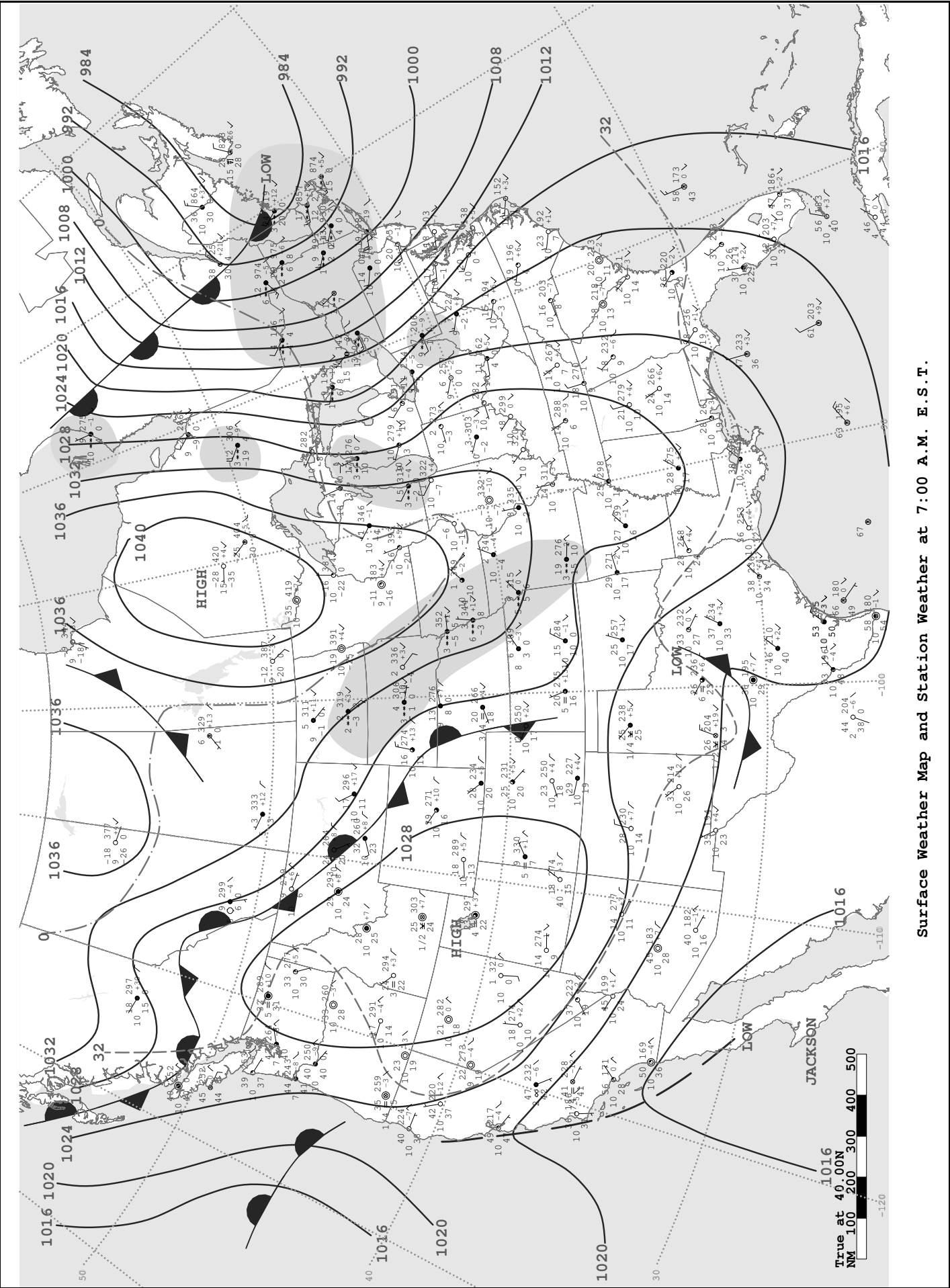


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.

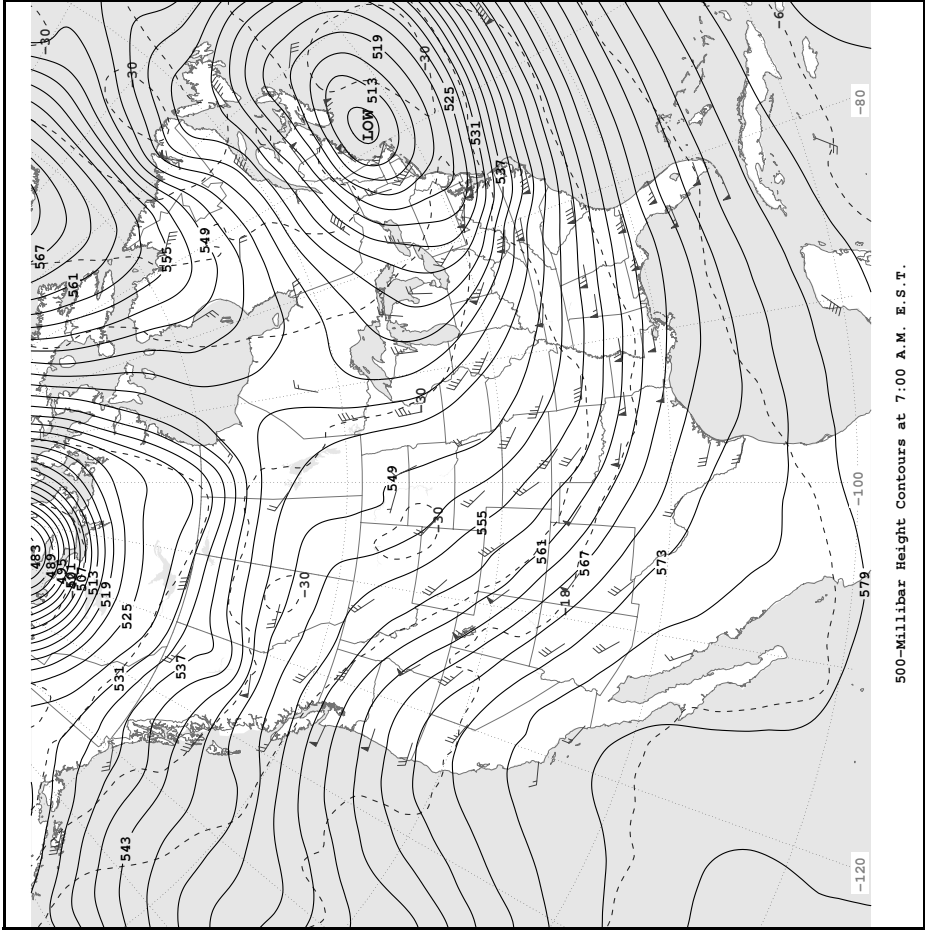


SATURDAY, JANUARY 2, 2010

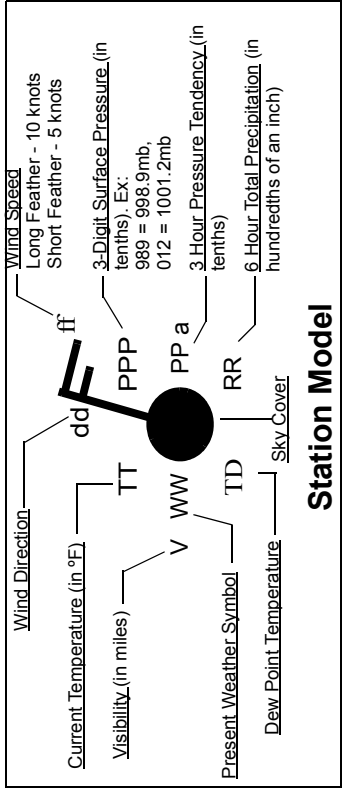




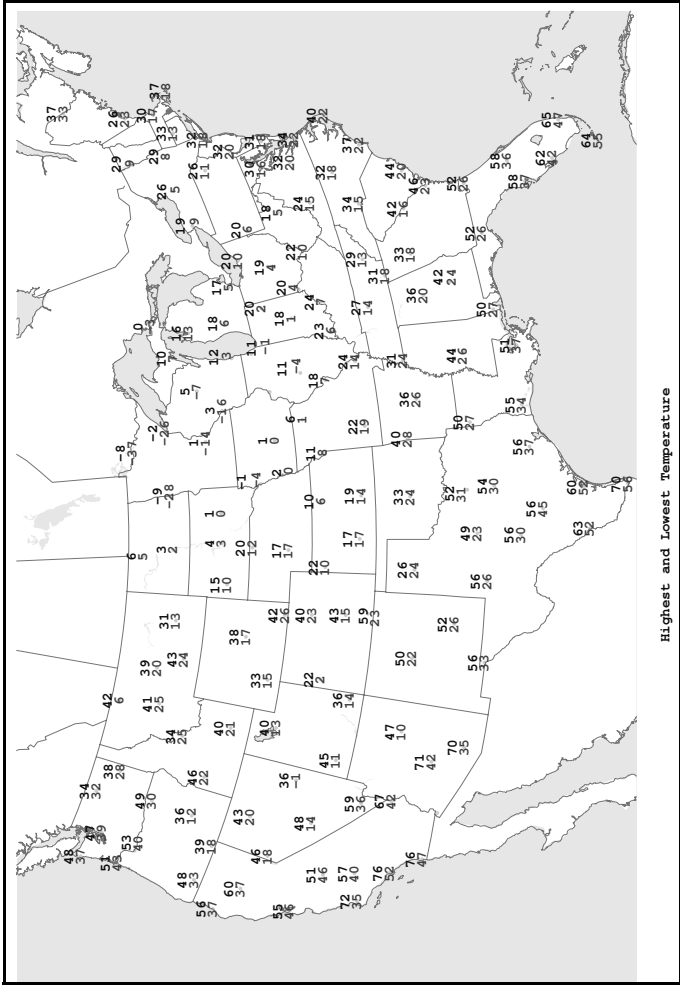
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



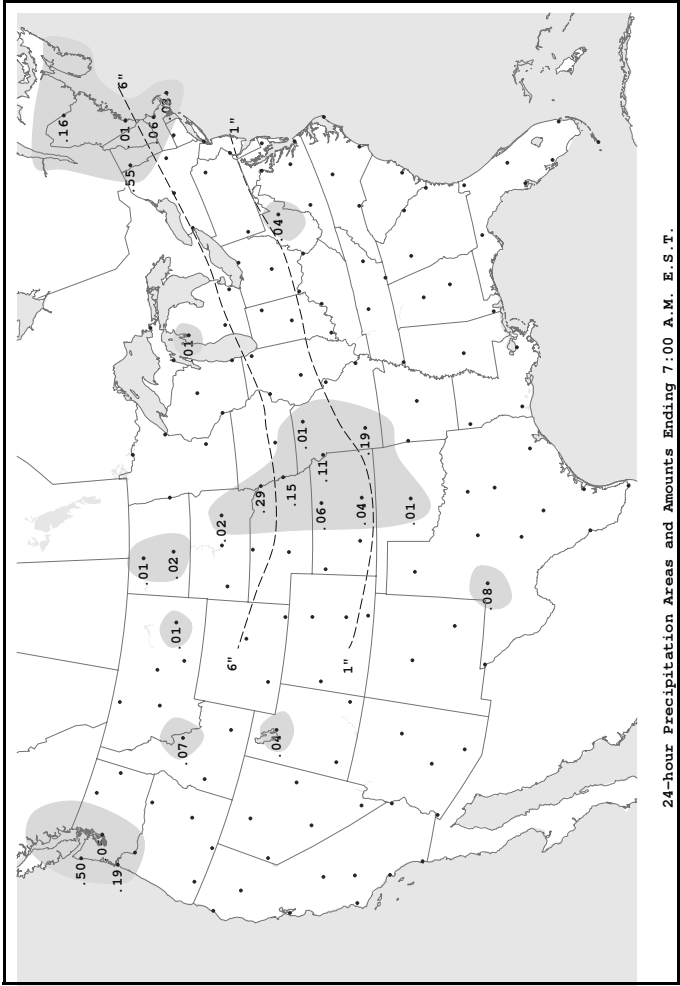
500-Millibar Height Contours at 7:00 A.M. E.S.T.



SUNDAY, JANUARY 3, 2010



Highest and Lowest Temperature



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

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