



# Daily Weather Maps

APRIL 19, 2010 - APRIL 25, 2010

Week 16

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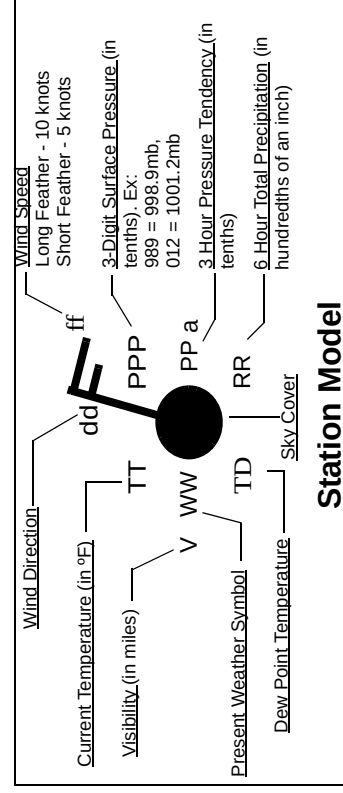
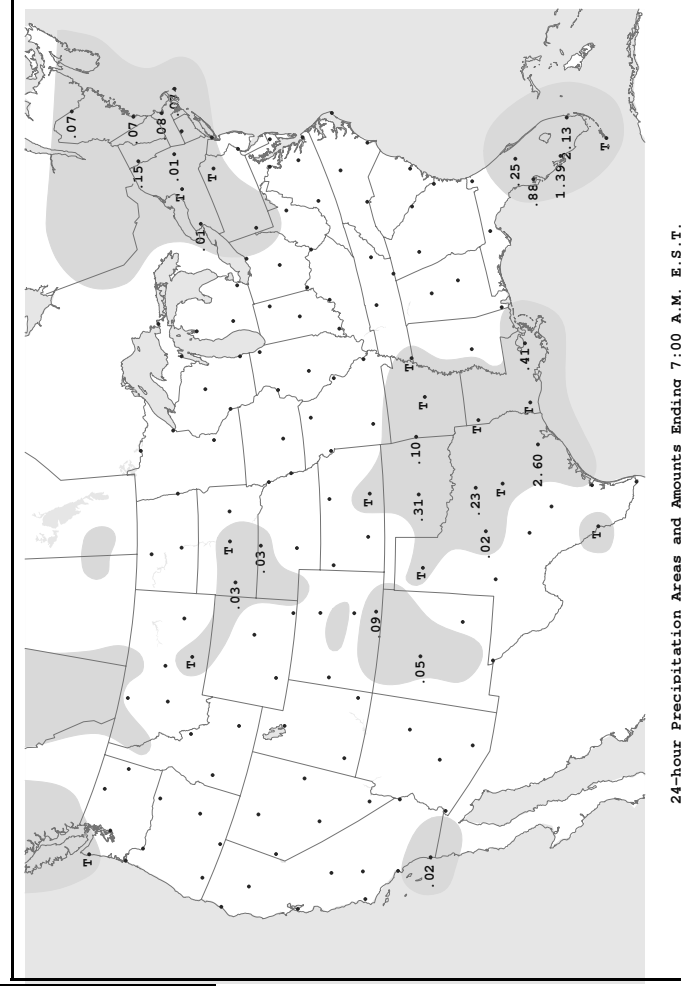
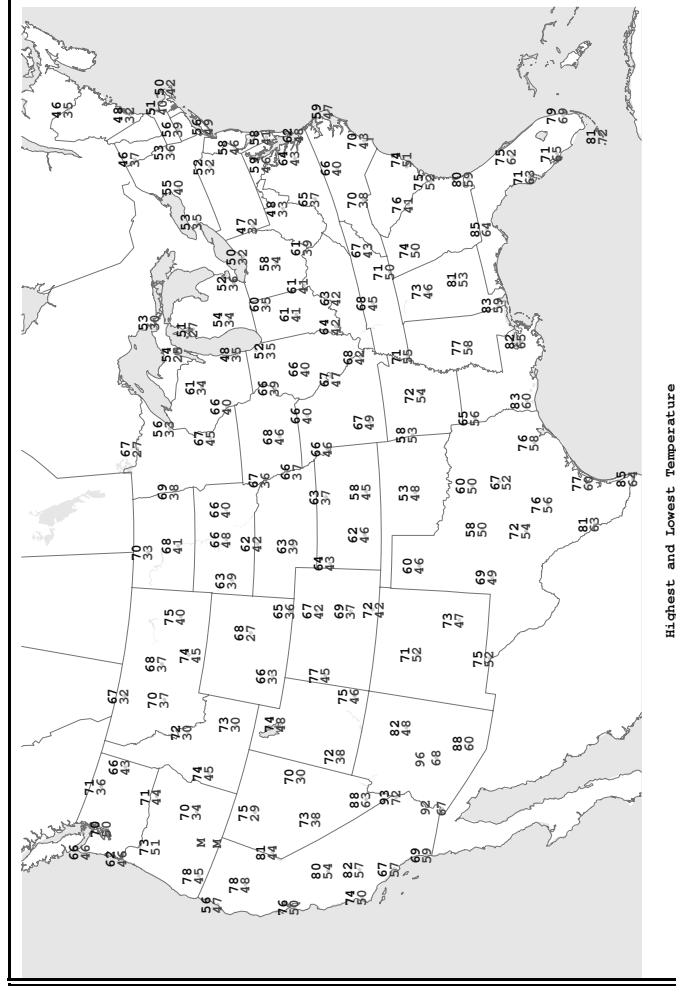
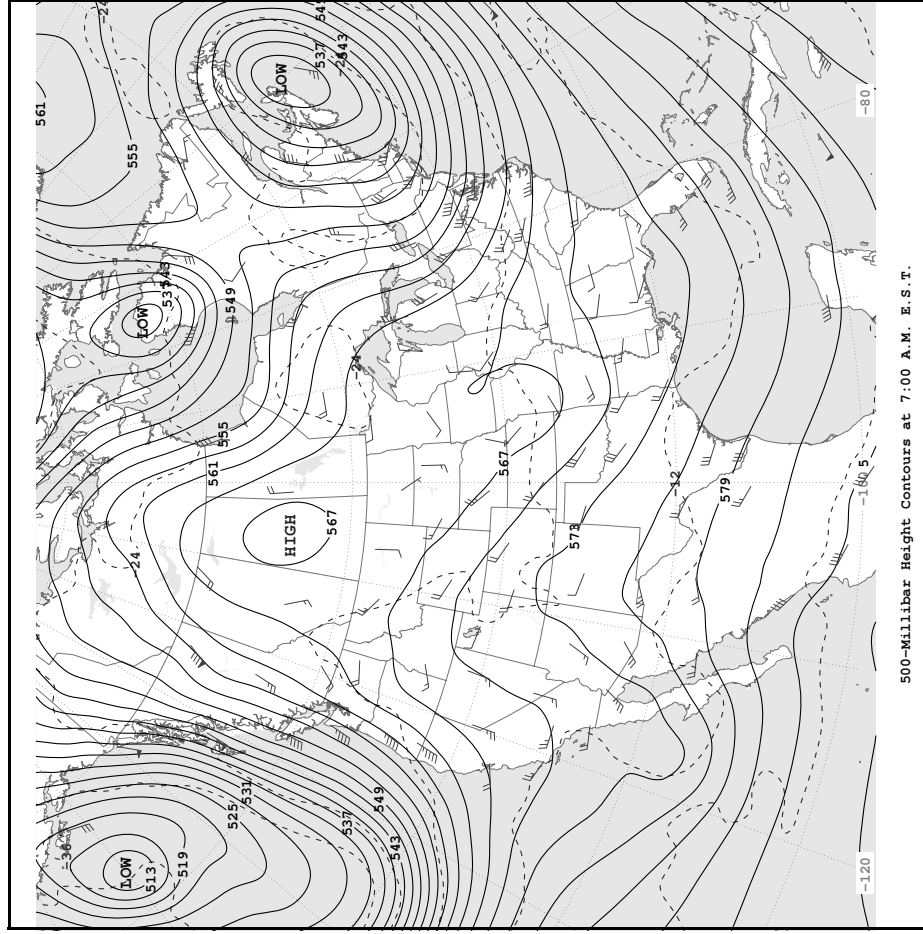
Correspondence to the meteorologists should be directed to: ***Daily Weather Map*, NOAA/National Weather Service, Room 410, 5200 Auth Rd, Camp Springs, MD 20746.**

The *Daily Weather Map* is available online at [www.hpc.ncep.noaa.gov/dwm/dwm.shtml](http://www.hpc.ncep.noaa.gov/dwm/dwm.shtml).

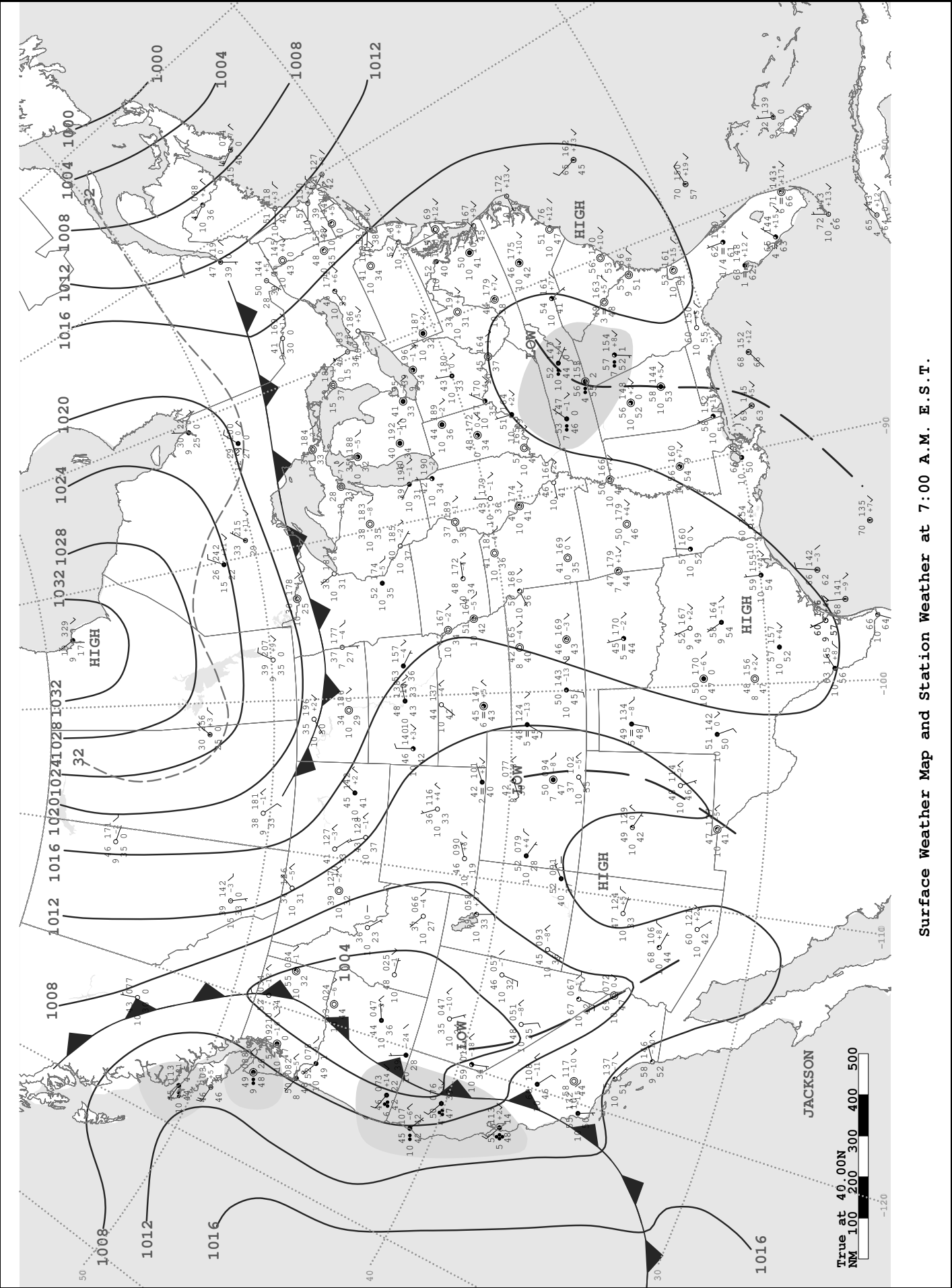
Current HPC products are available online at [www.hpc.ncep.noaa.gov](http://www.hpc.ncep.noaa.gov)

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.

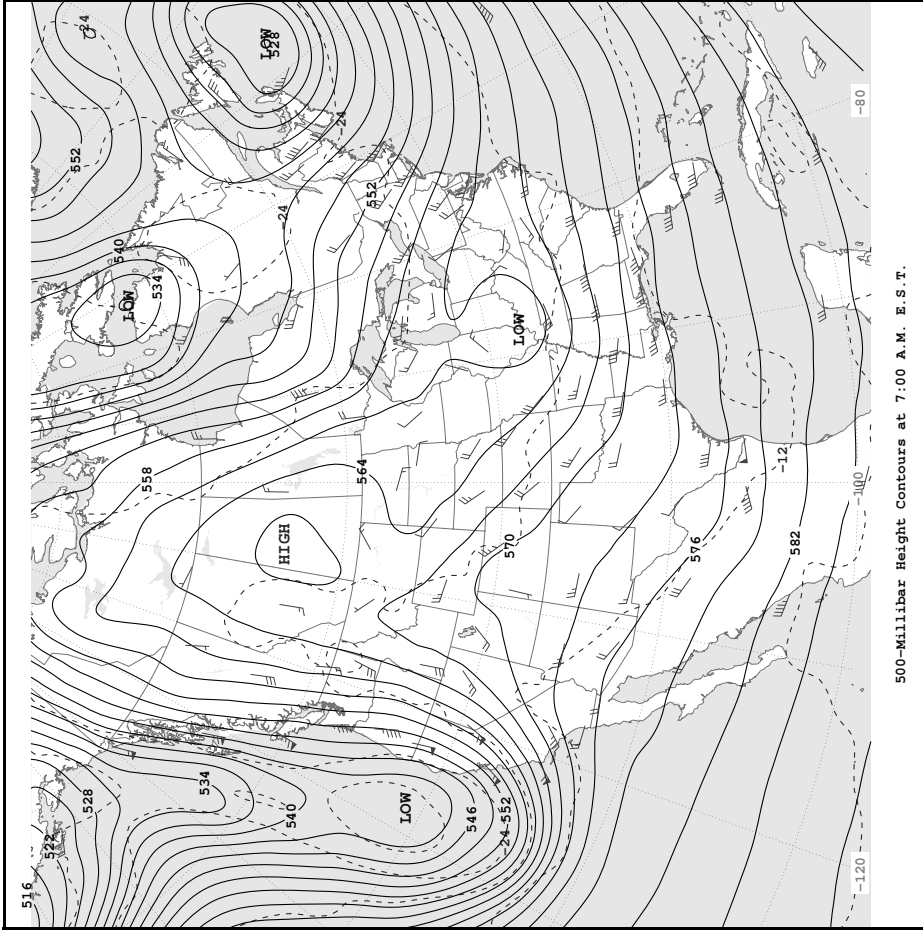


**MONDAY, APRIL 19, 2010**

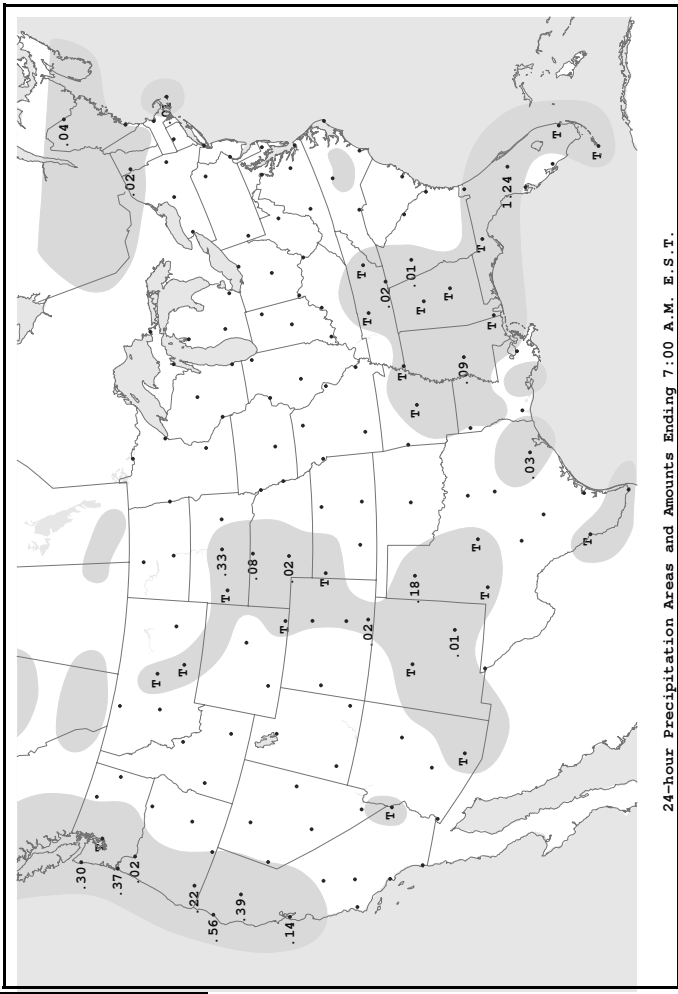
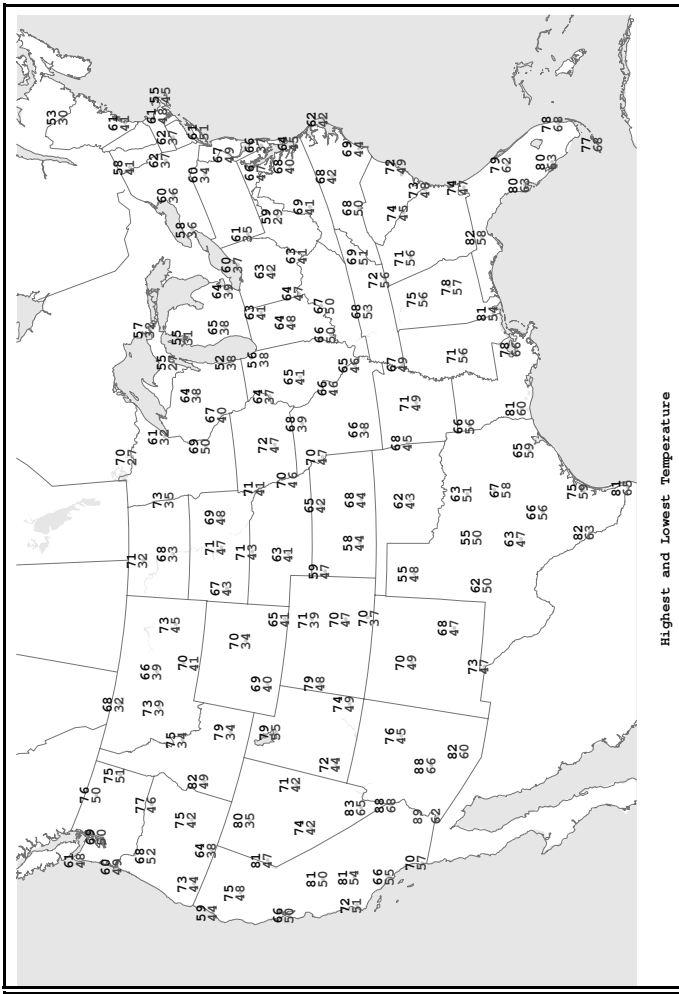


Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.





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



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

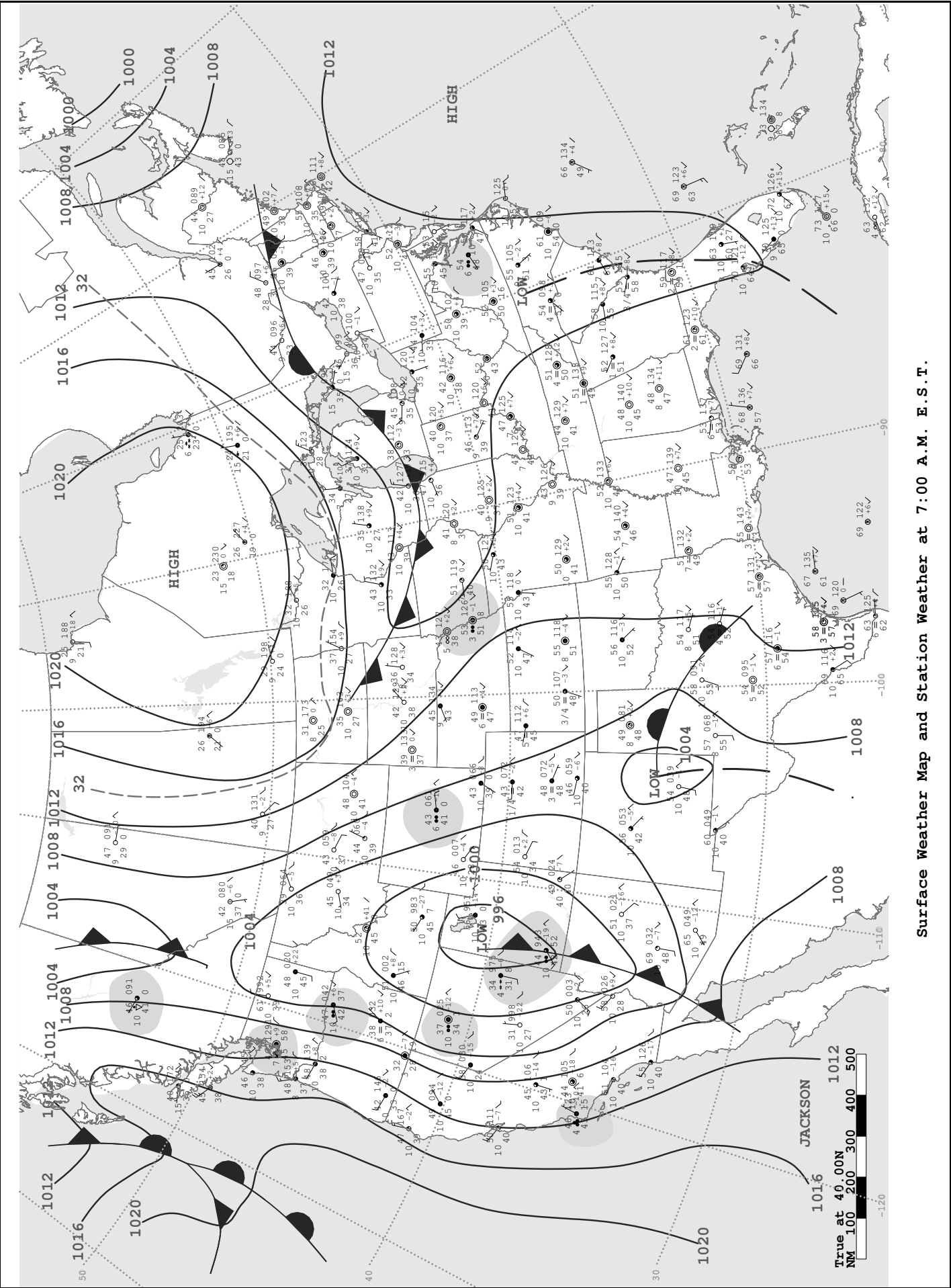
3-Digit Surface Pressure (in tenths) Ex: 989 = 998.9mb, 012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

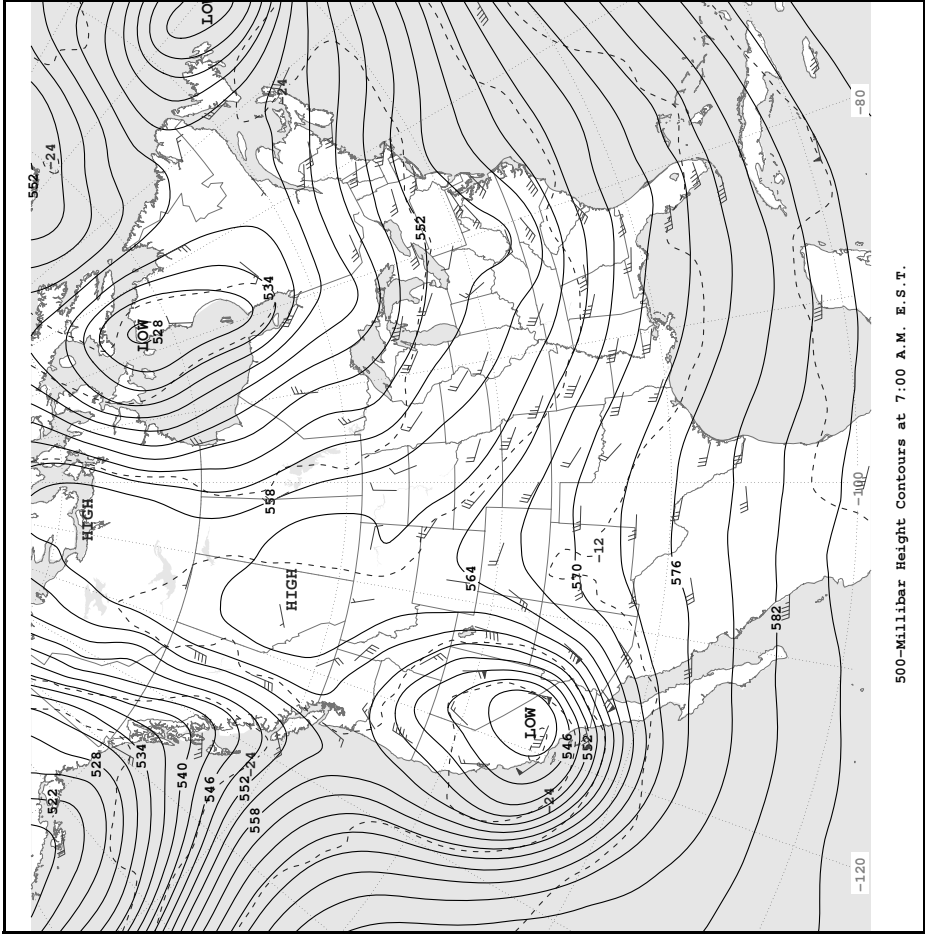
6 Hour Total Precipitation (in hundredths of an inch)

Station Model

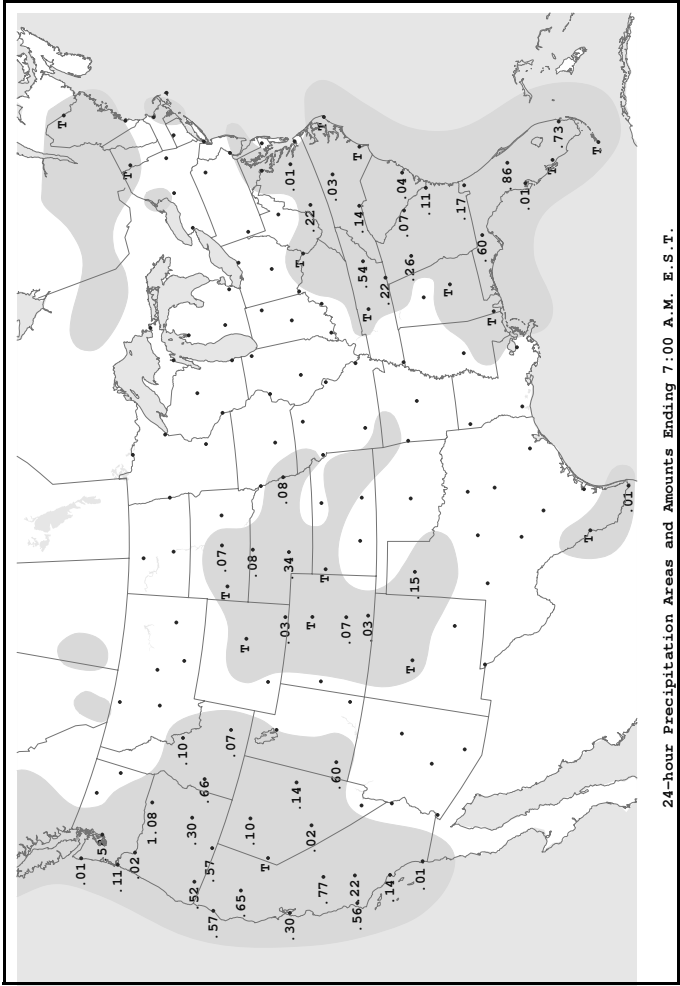
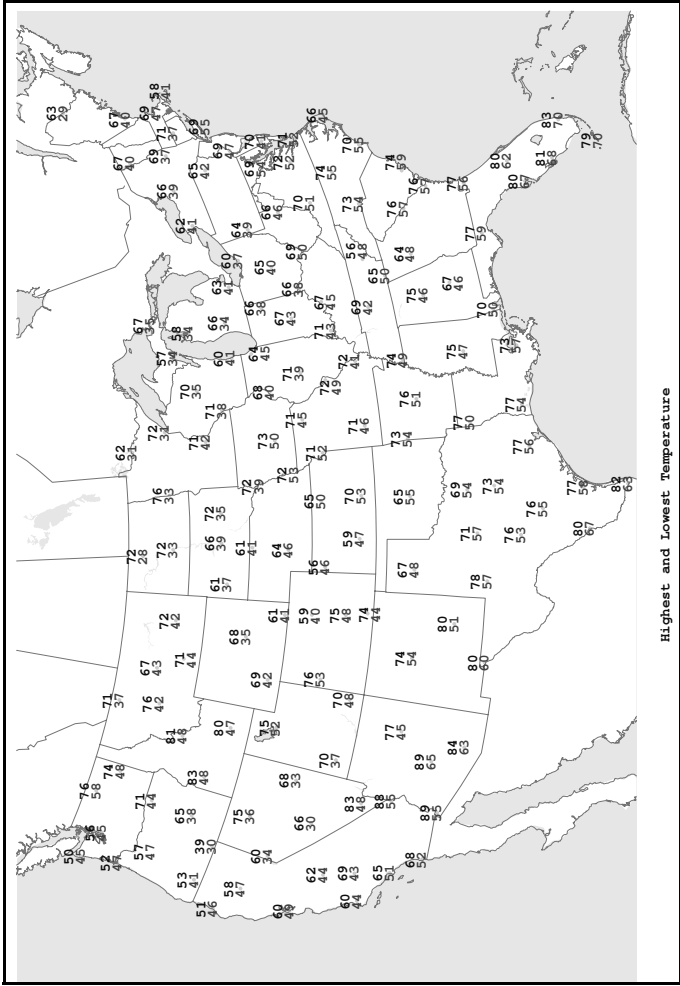
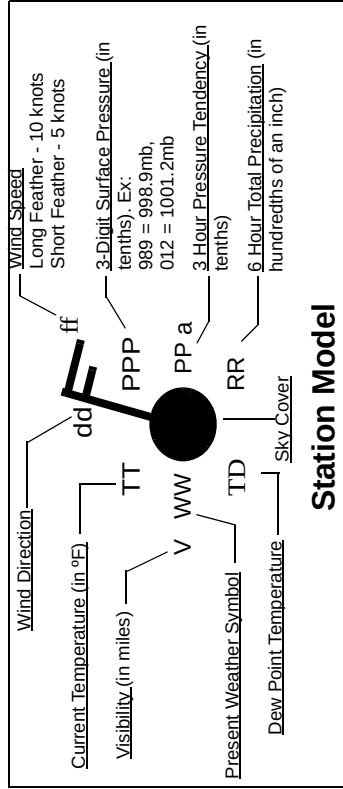
# TUESDAY, APRIL 20, 2010



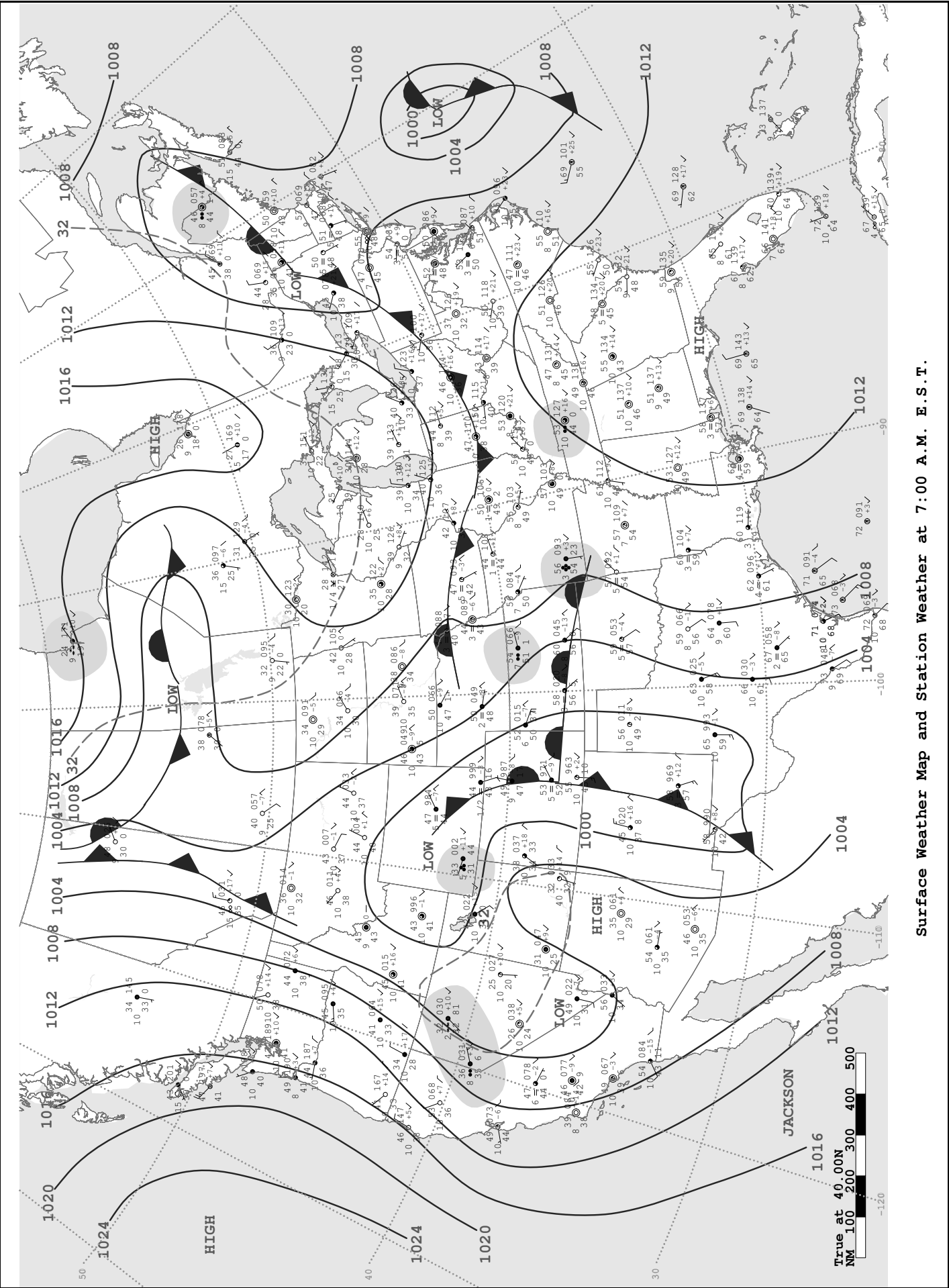
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



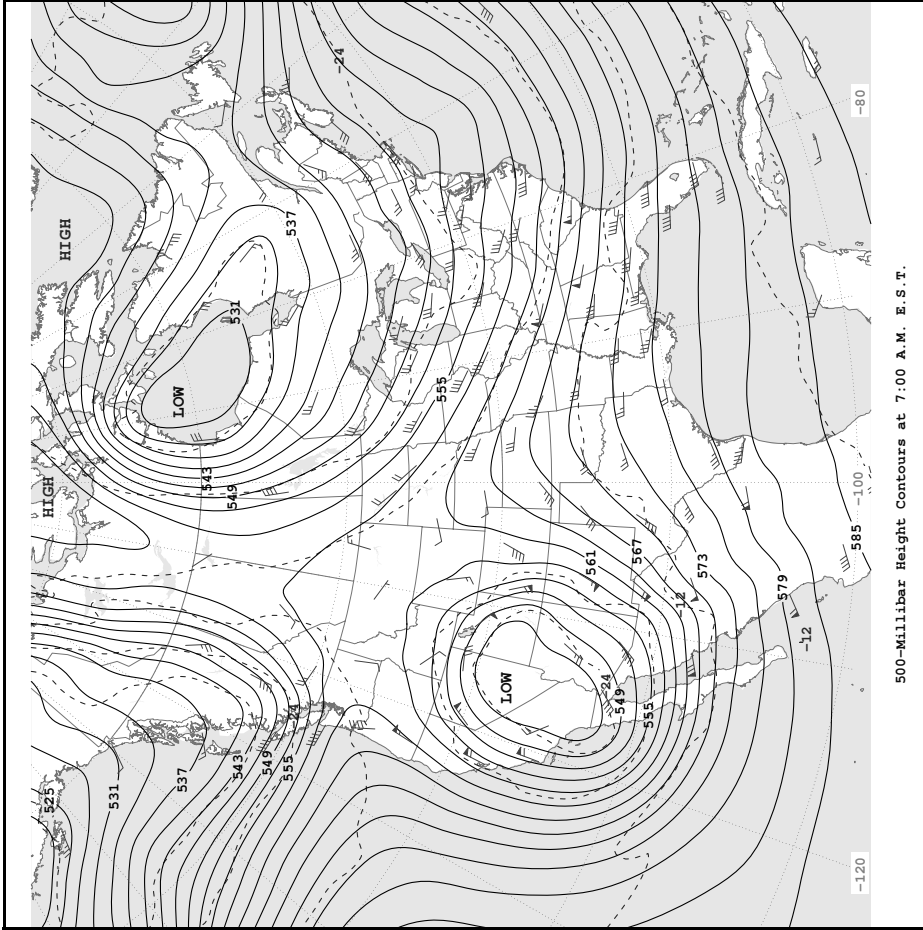
500-Millibar Height Contours at 7:00 A.M. E.S.T.



WEDNESDAY, APRIL 21, 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.

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

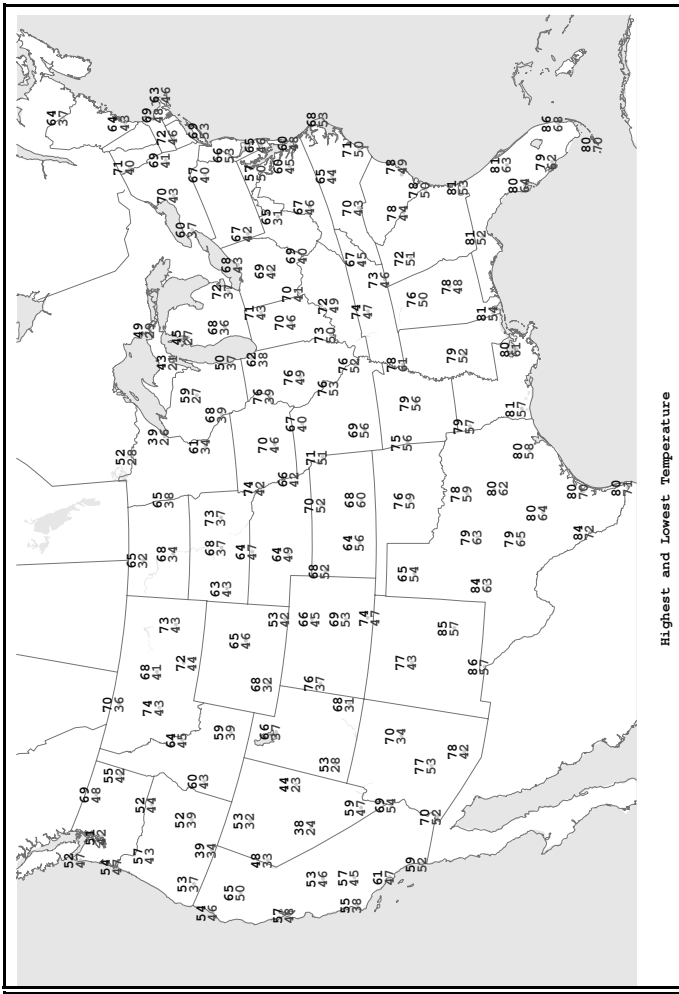
3-Digit Surface Pressure (in tenths) Ex:  
999 = 998.9mb,  
012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

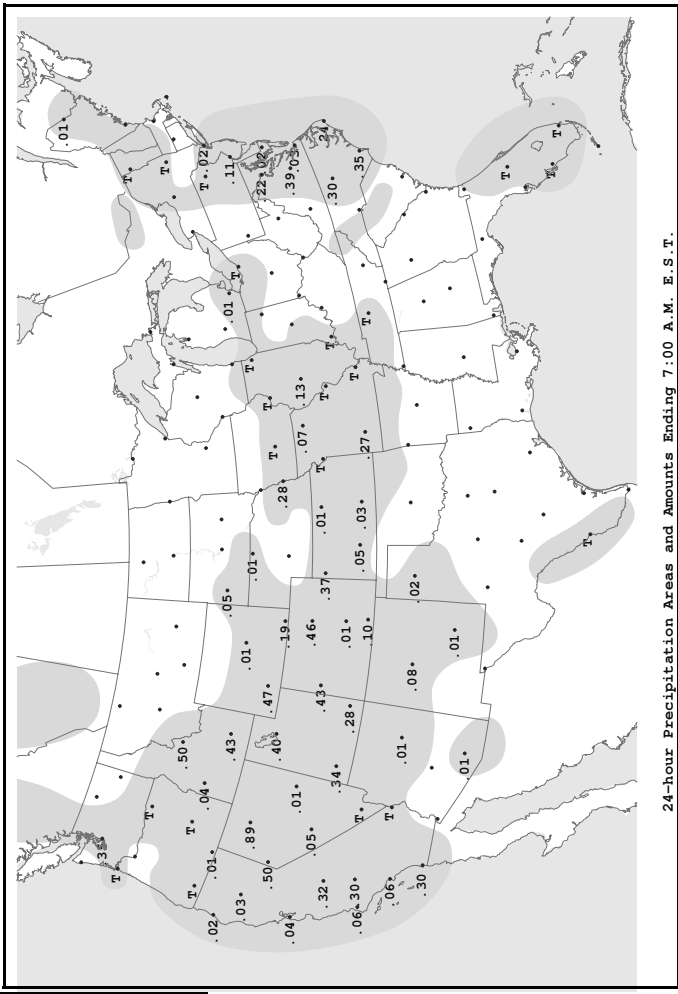
6 Hour Total Precipitation (in hundredths of an inch)

Sky Cover

Station Model

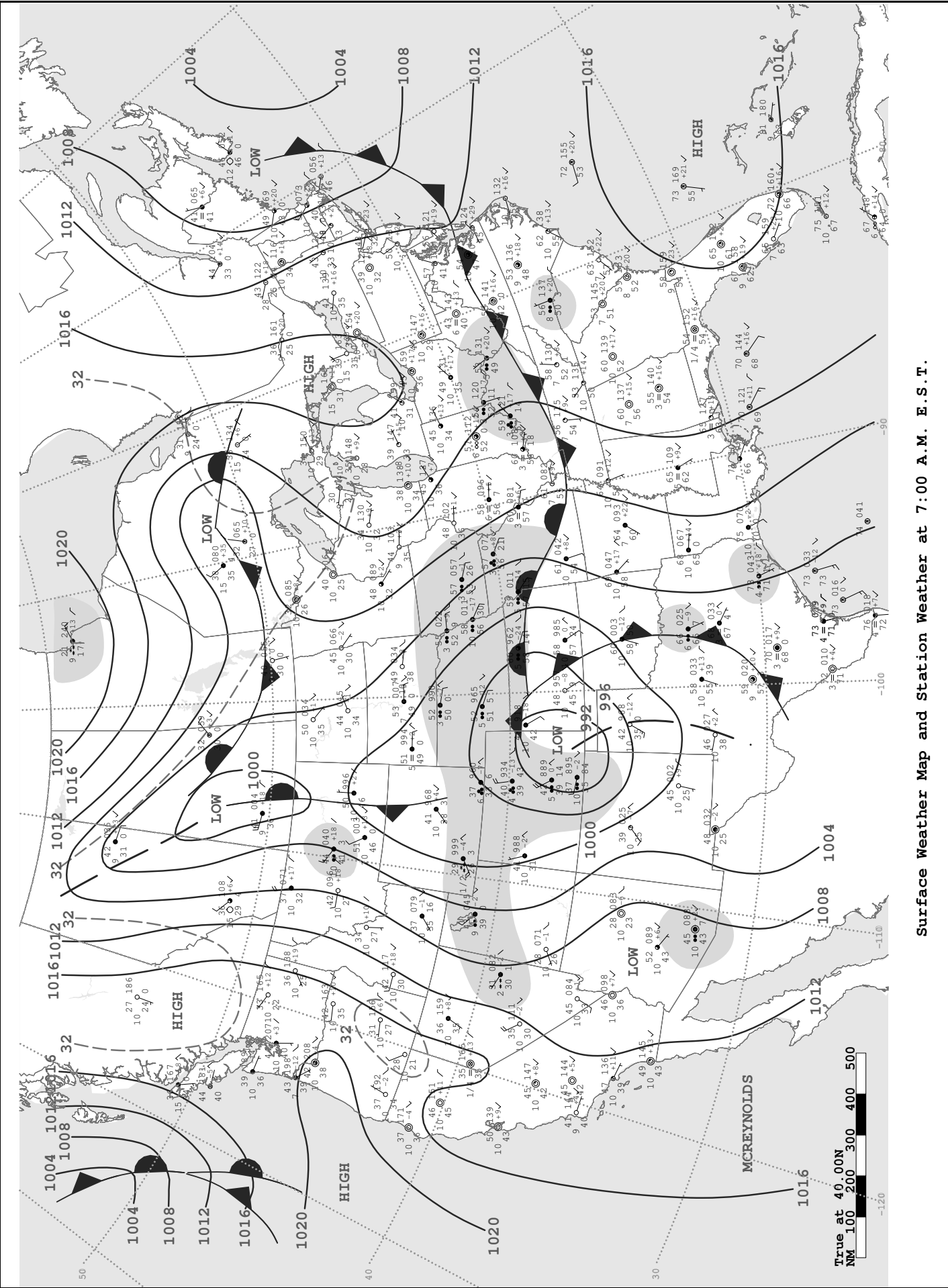


Highest and Lowest Temperature

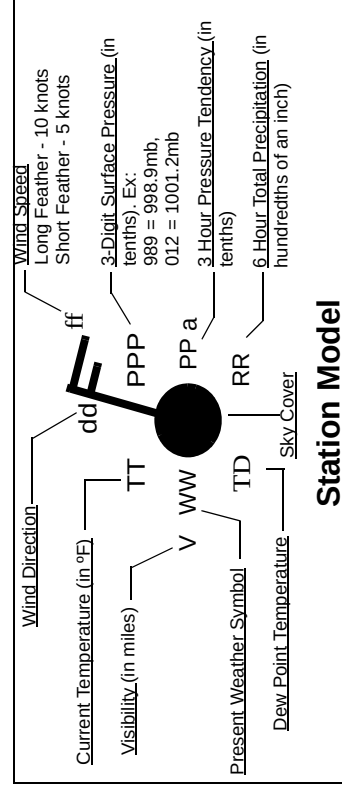
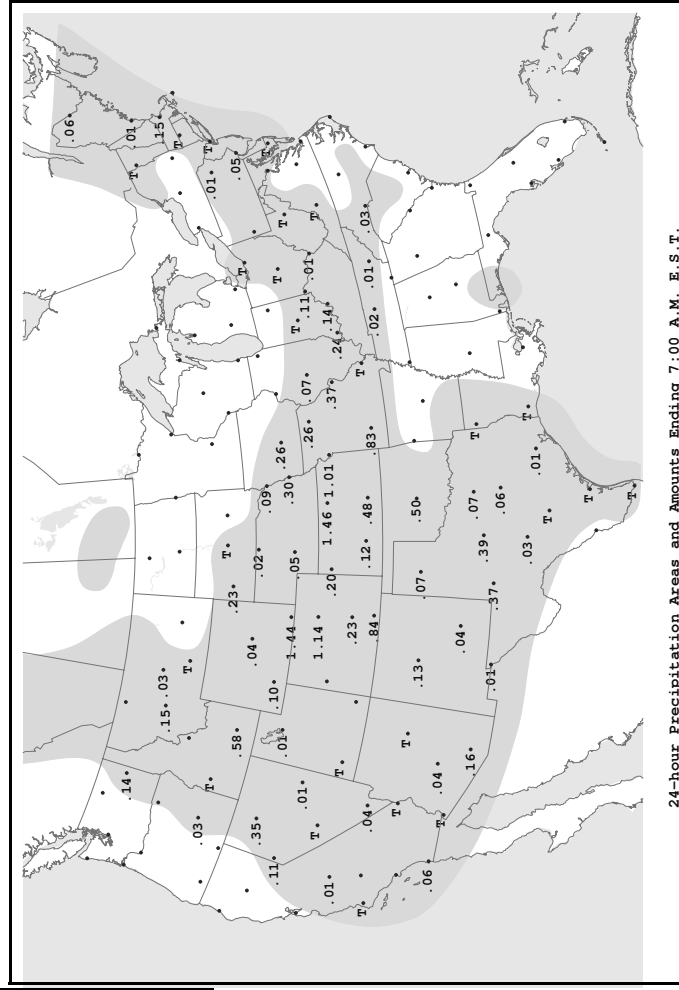
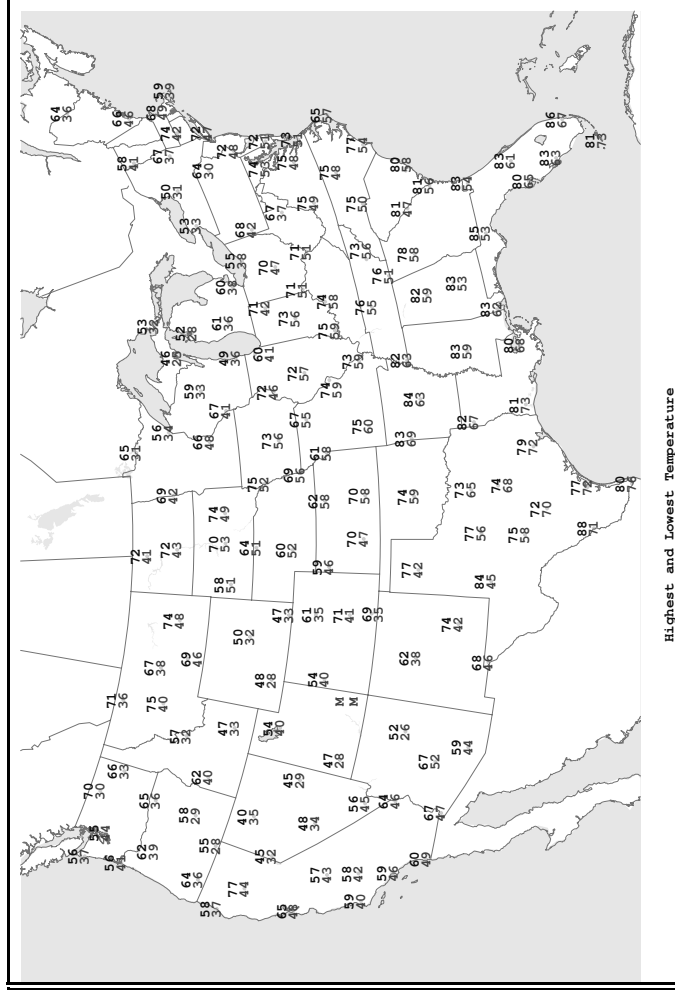
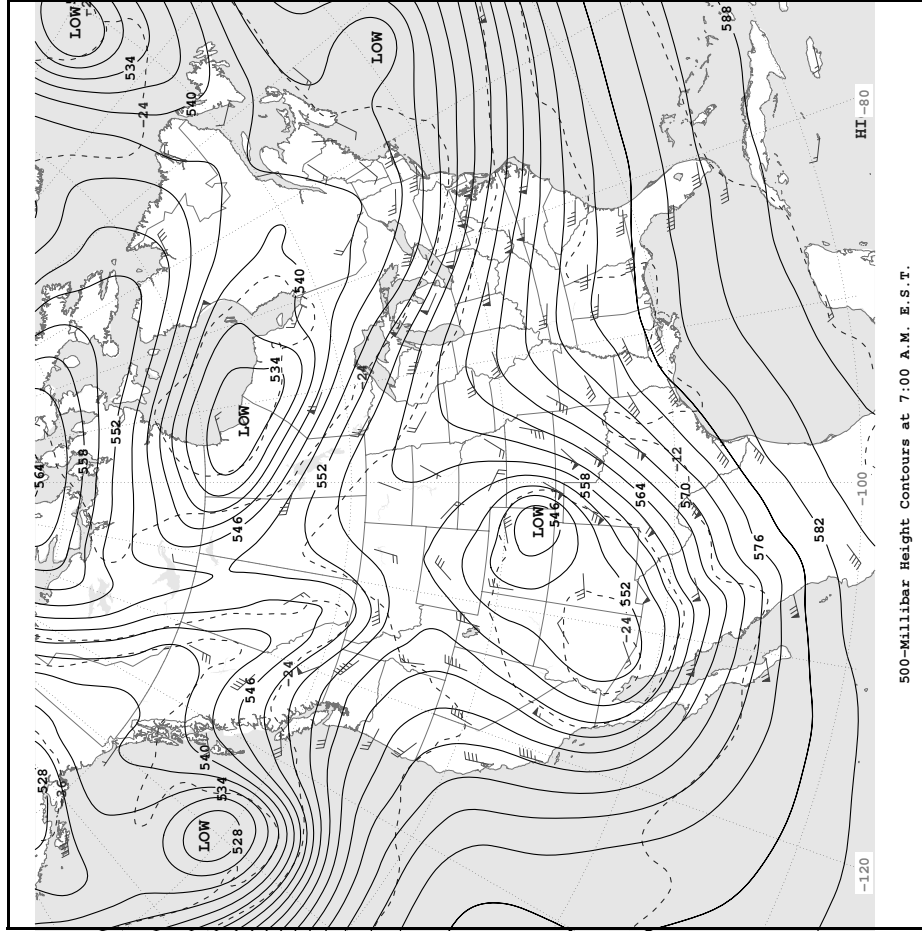


24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

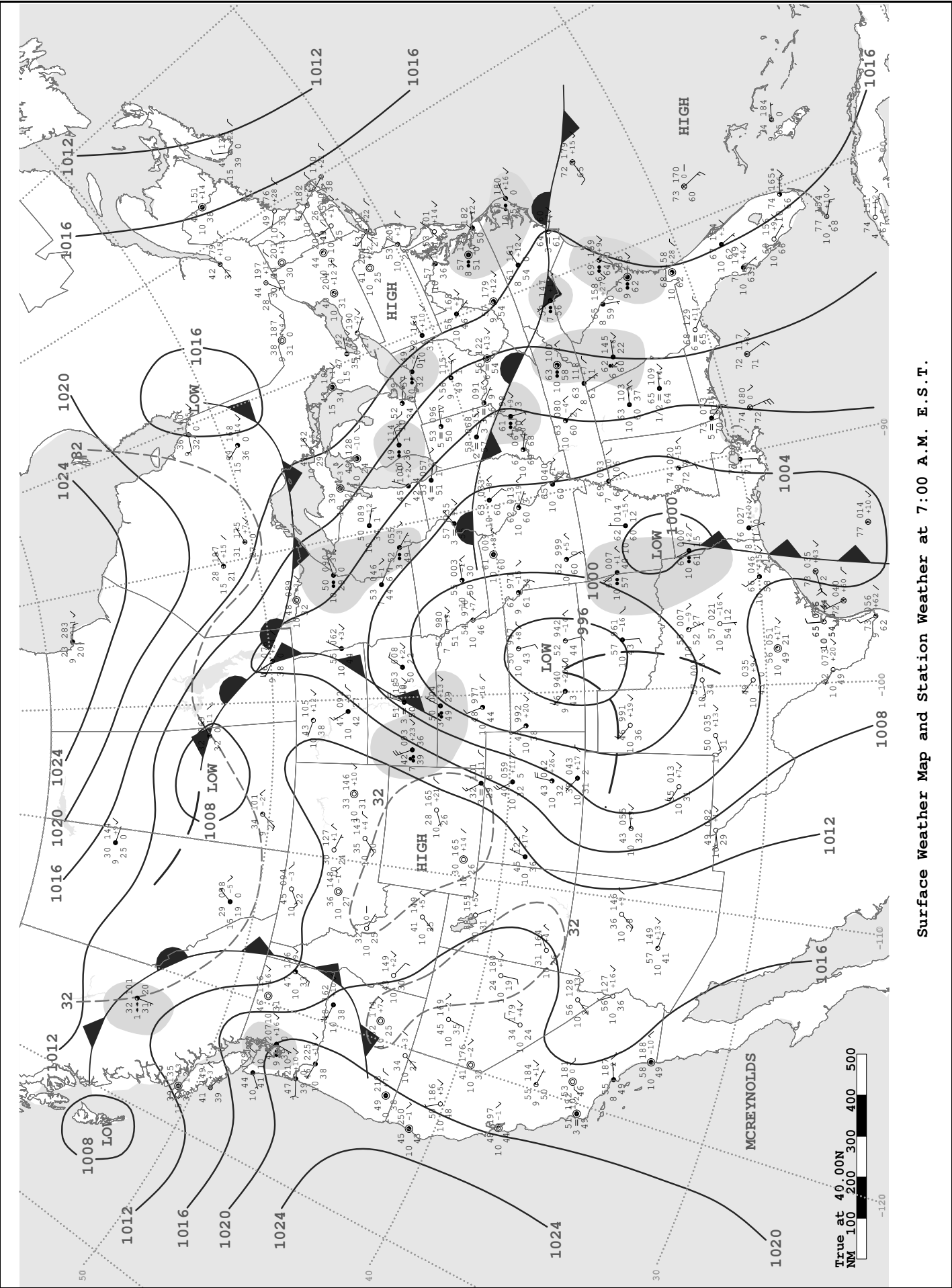
THURSDAY, APRIL 22, 2010



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

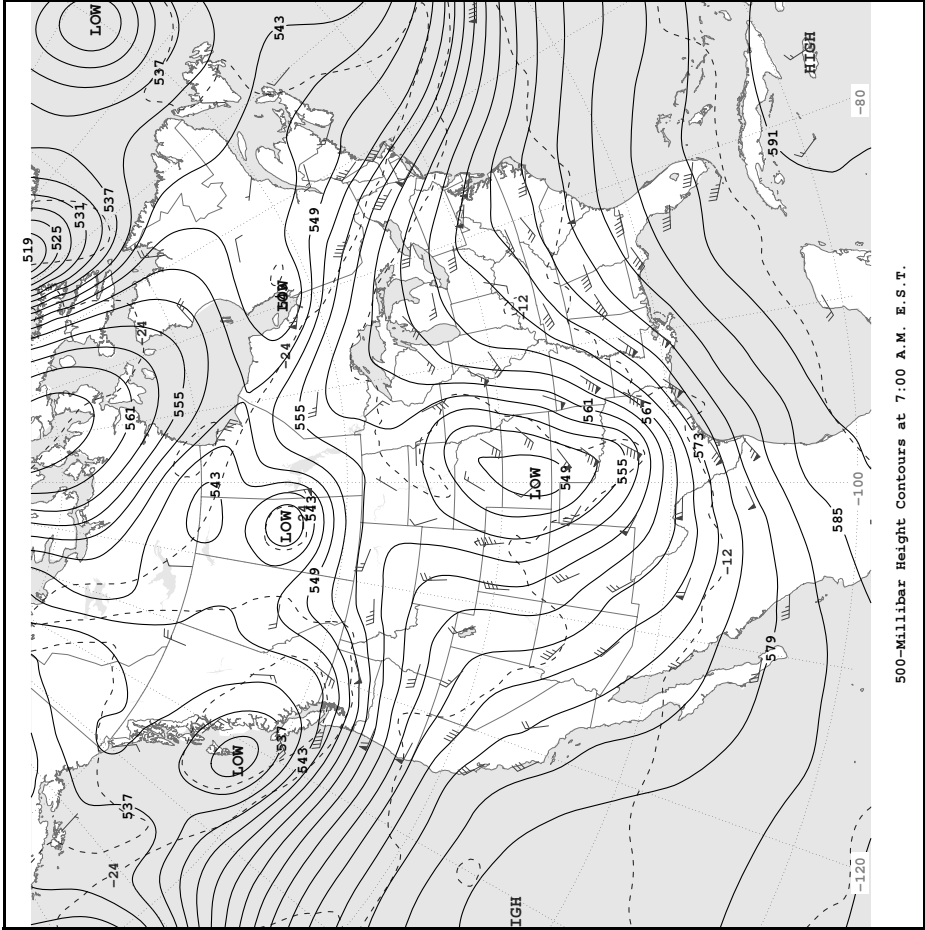


**FRIDAY, APRIL 23, 2010**



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.

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)

Sky Cover

ff

dd

TT

V

WW

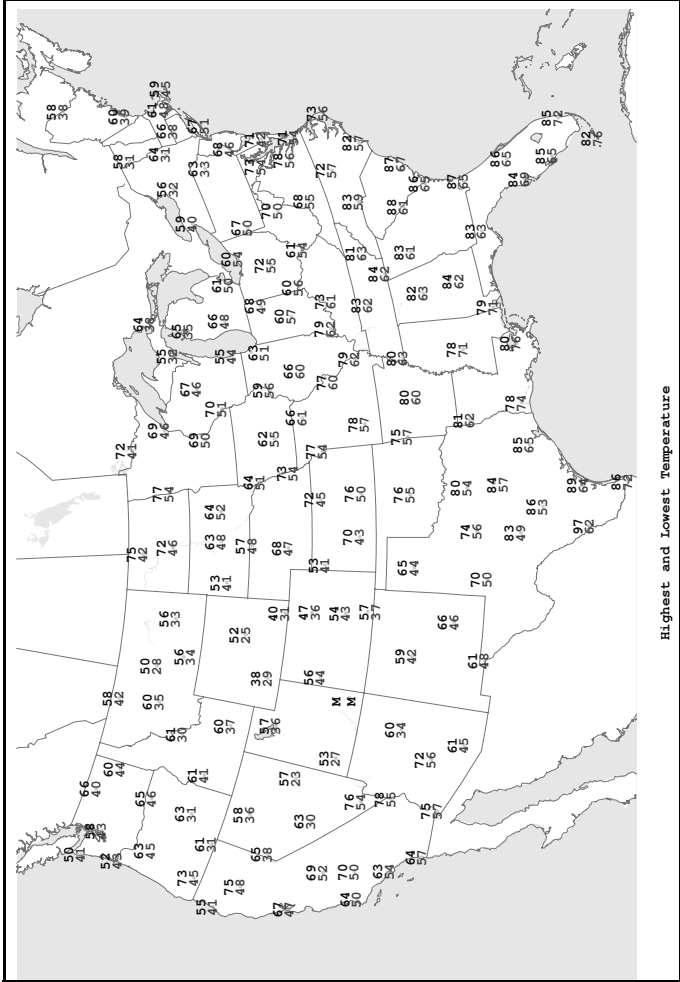
TD

RR

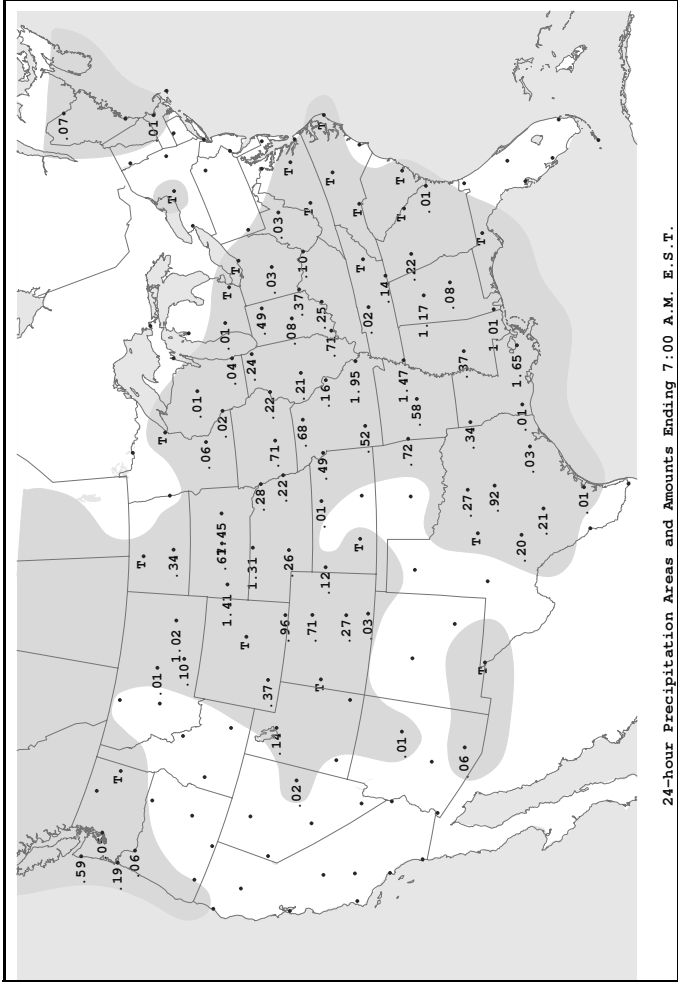
PPP

PP a

Station Model



Highest and Lowest Temperature



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

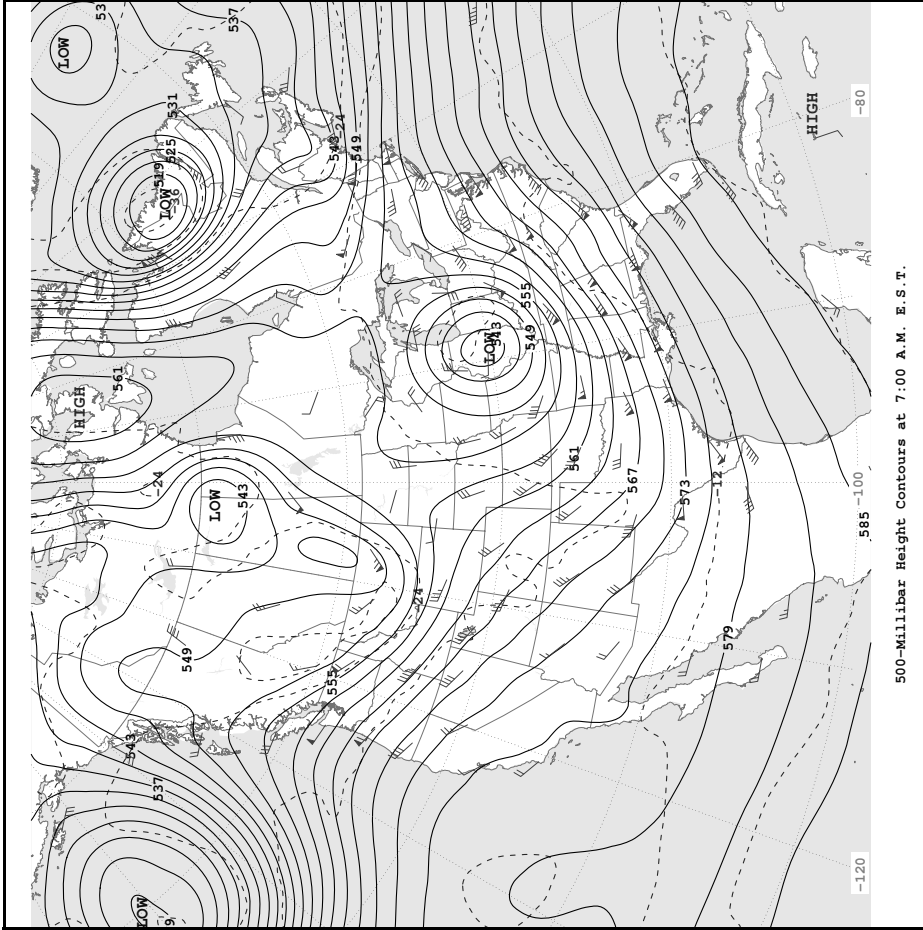
SATURDAY, APRIL 24, 2010

This is a 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 up to 500 NM, and a note specifies 'True at 40.00N'.

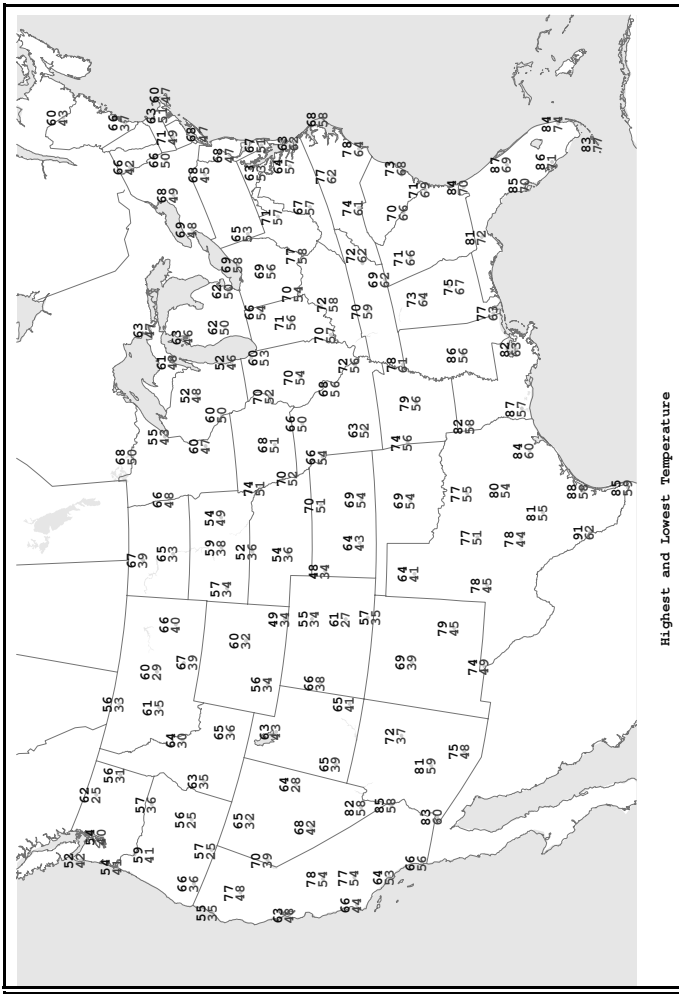
**Key Features:**

- Pressure Systems:** High-pressure areas (HIGHS) are labeled with values such as 1024, 1020, 1016, 1012, 1008, 1004, 1000, 996, and 992. Low-pressure areas (LOWS) are labeled with values such as 1004, 1000, 996, 992, 988, 984, 980, 976, 972, 968, 964, 960, 956, 952, 948, 944, 940, 936, 932, 928, 924, 920, 916, 912, 908, 904, 900, 896, 892, 888, 884, 880, 876, 872, 868, 864, 860, 856, 852, 848, 844, 840, 836, 832, 828, 824, 820, 816, 812, 808, 804, 800, 796, 792, 788, 784, 780, 776, 772, 768, 764, 760, 756, 752, 748, 744, 740, 736, 732, 728, 724, 720, 716, 712, 708, 704, 700, 696, 692, 688, 684, 680, 676, 672, 668, 664, 660, 656, 652, 648, 644, 640, 636, 632, 628, 624, 620, 616, 612, 608, 604, 600, 596, 592, 588, 584, 580, 576, 572, 568, 564, 560, 556, 552, 548, 544, 540, 536, 532, 528, 524, 520, 516, 512, 508, 504, 500, 496, 492, 488, 484, 480, 476, 472, 468, 464, 460, 456, 452, 448, 444, 440, 436, 432, 428, 424, 420, 416, 412, 408, 404, 400, 396, 392, 388, 384, 380, 376, 372, 368, 364, 360, 356, 352, 348, 344, 340, 336, 332, 328, 324, 320, 316, 312, 308, 304, 300, 296, 292, 288, 284, 280, 276, 272, 268, 264, 260, 256, 252, 248, 244, 240, 236, 232, 228, 224, 220, 216, 212, 208, 204, 200, 196, 192, 188, 184, 180, 176, 172, 168, 164, 160, 156, 152, 148, 144, 140, 136, 132, 128, 124, 120, 116, 112, 108, 104, 100, 96, 92, 88, 84, 80, 76, 72, 68, 64, 60, 56, 52, 48, 44, 40, 36, 32, 28, 24, 20, 16, 12, 8, 4, 0, -4, -8, -12, -16, -20, -24, -28, -32, -36, -40, -44, -48, -52, -56, -60, -64, -68, -72, -76, -80, -84, -88, -92, -96, -100, -104, -108, -112, -116, -120.
- Fronts:** Solid lines with triangles represent cold fronts, and dashed lines with semicircles represent warm fronts. A solid line with alternating triangles and semicircles represents a stationary front.
- Station Data:** Numerous weather stations are marked with symbols (circles, squares, triangles) and numerical data representing temperature, wind speed, and other meteorological variables.
- Scale and Orientation:** A scale bar at the bottom indicates distances up to 500 NM. A note specifies 'True at 40.00N'.

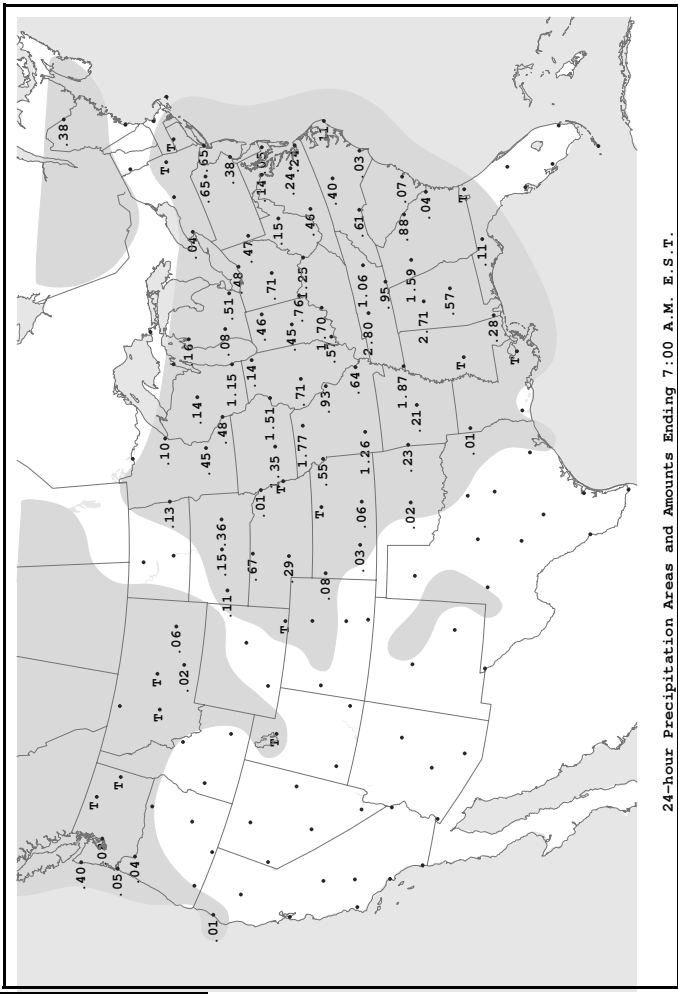
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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



Highest and Lowest Temperature



24-hour Precipitation Areas and Amounts Ending 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:  
999 = 998.9mb,  
012 = 1001.2mb

3 Hour Pressure Tendency (in tenths)

6 Hour Total Precipitation (in hundredths of an inch)

Sky Cover

ff

dd

TT

V

WW

PPP

PP a

RR

Station Model

# SUNDAY, APRIL 25, 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