National Oceanic and Atmospheric Administration • National Weather Service
National Centers for Environmental Prediction • Weather Prediction Center

Daily Weather Maps

JANUARY 15, 2018 - JANUARY 21, 2018

Week 3

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, Weather 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 decameters 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.

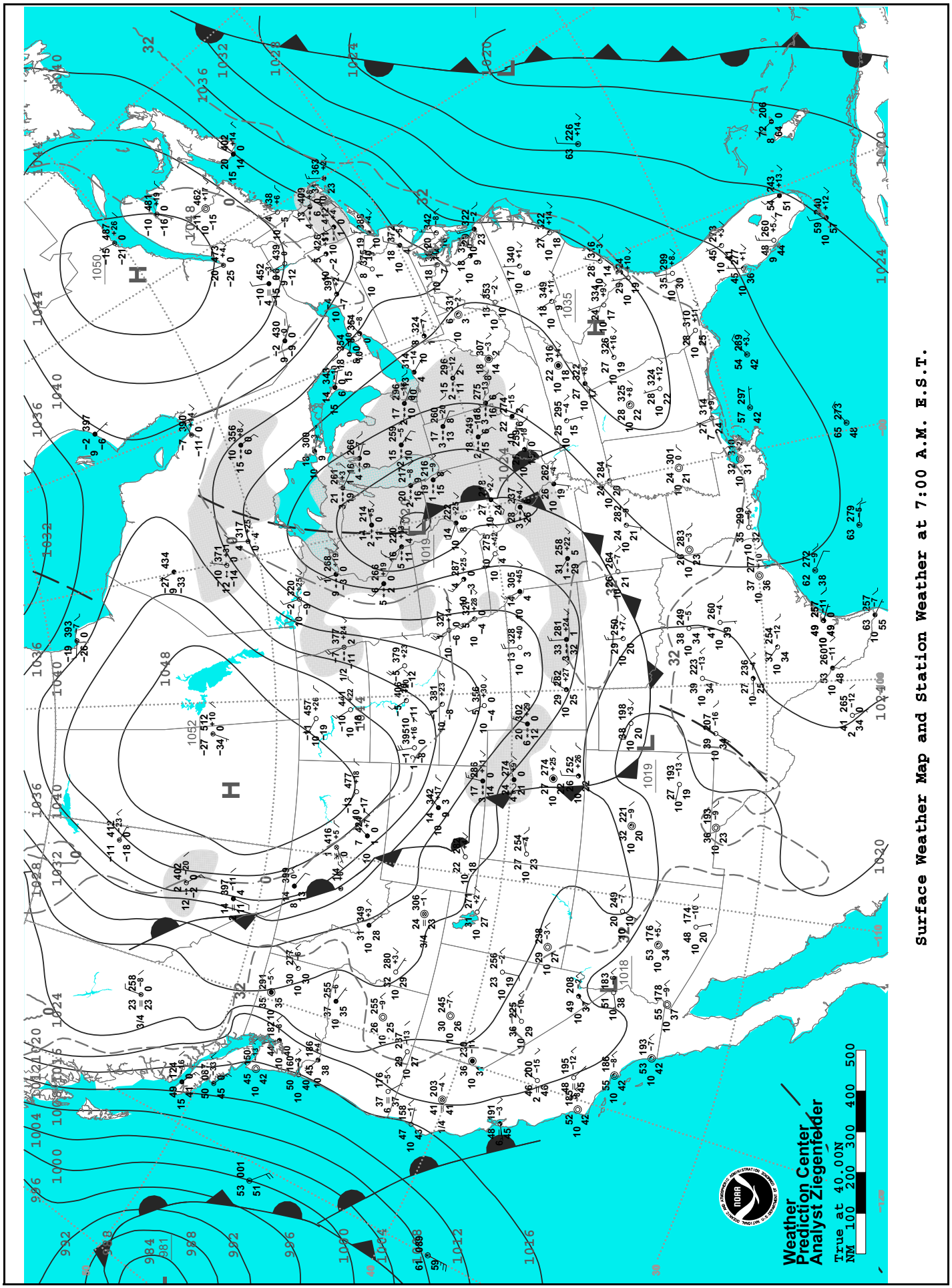
The *Daily Weather Map* is published weekly by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA). NOAA and IMC are responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

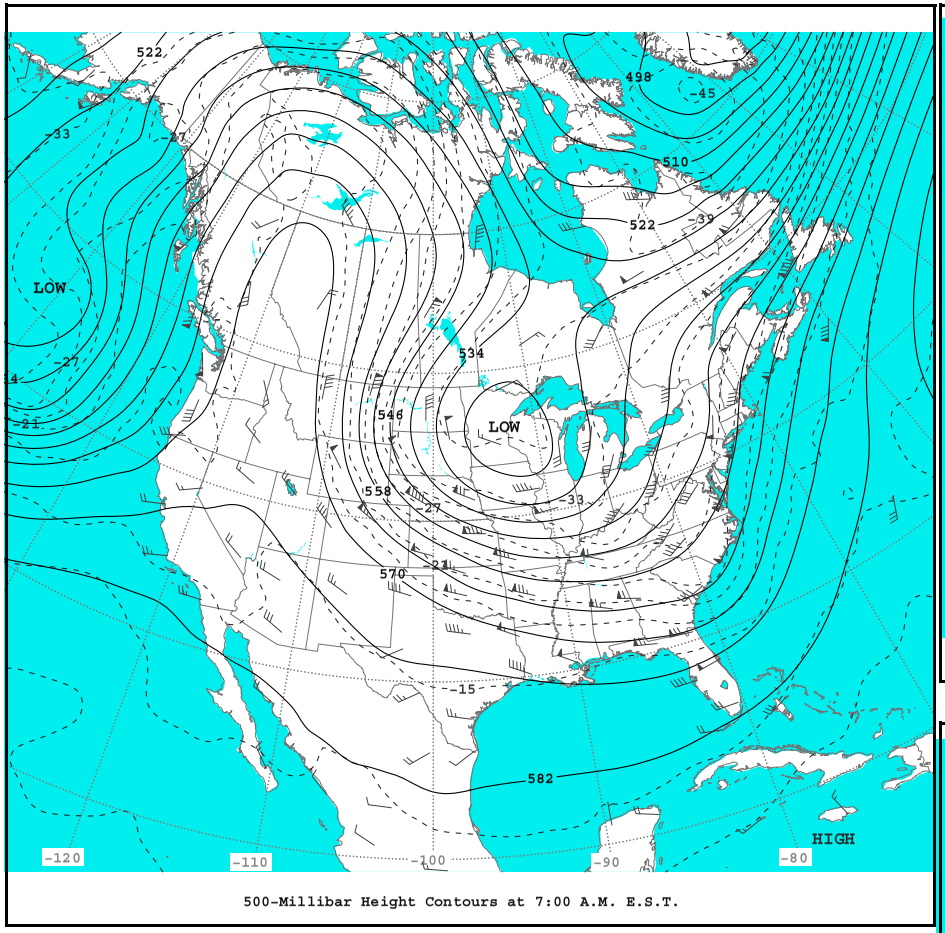
Correspondence to the meteorologists should be directed to: ***Daily Weather Map*, NOAA/National Weather Service, Room 4640, 5830 University Research Court, College Park, MD 20740.**

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

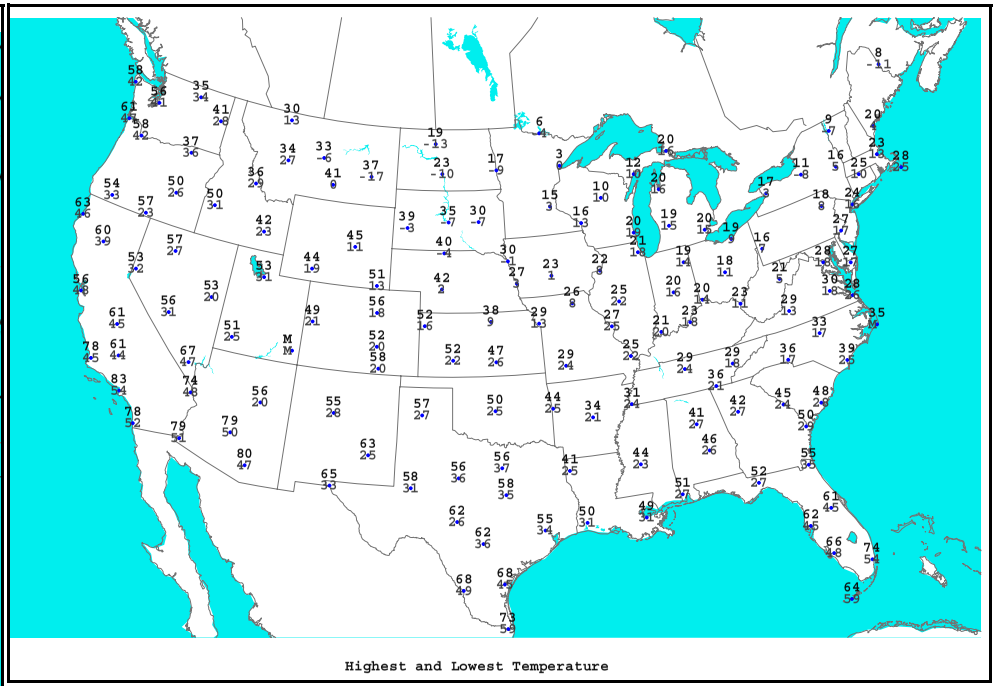
Current WPC products are available online at www.wpc.ncep.noaa.gov

MONDAY, JANUARY 15, 2018

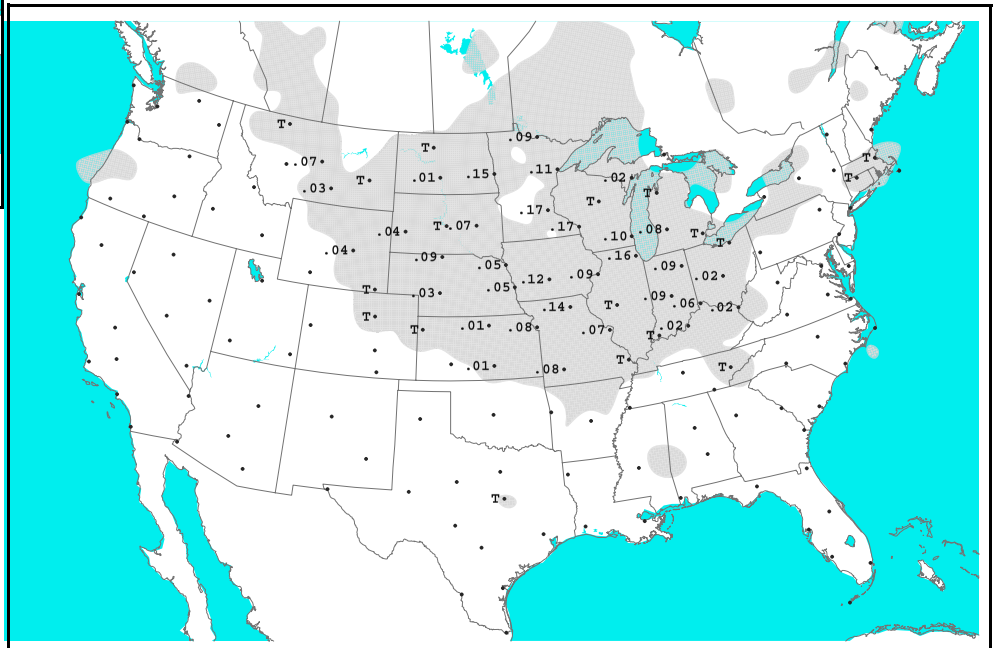




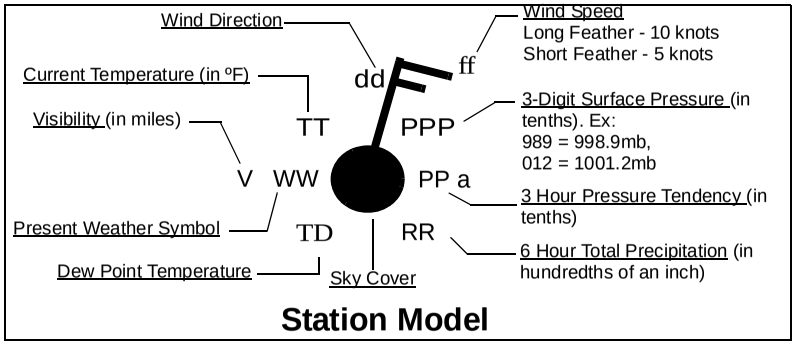
500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

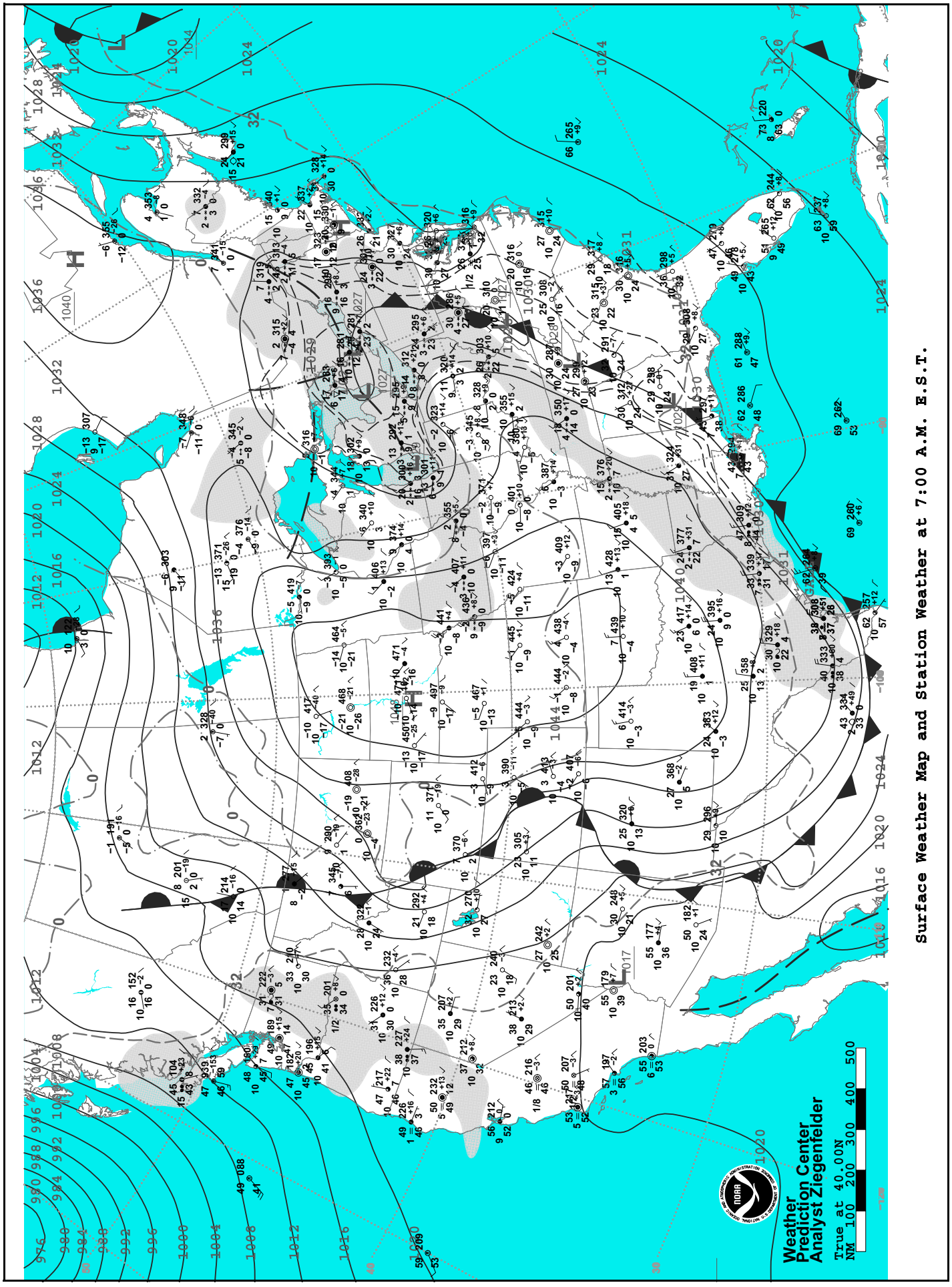


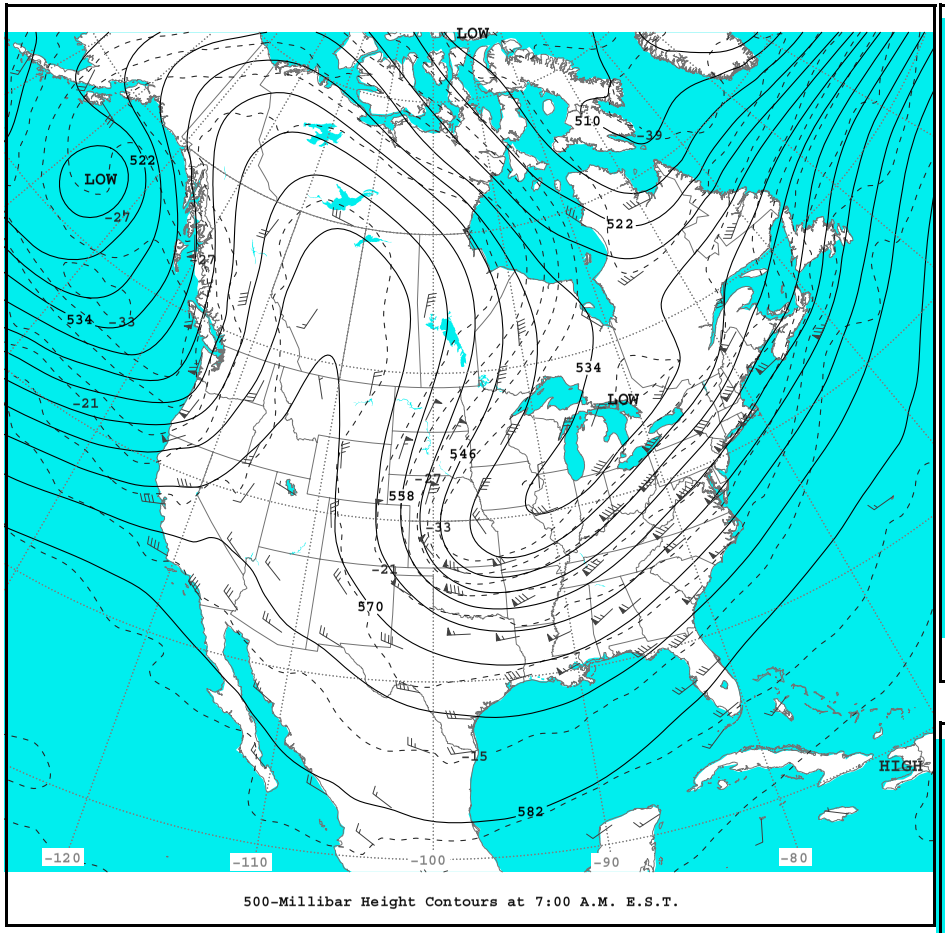
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.



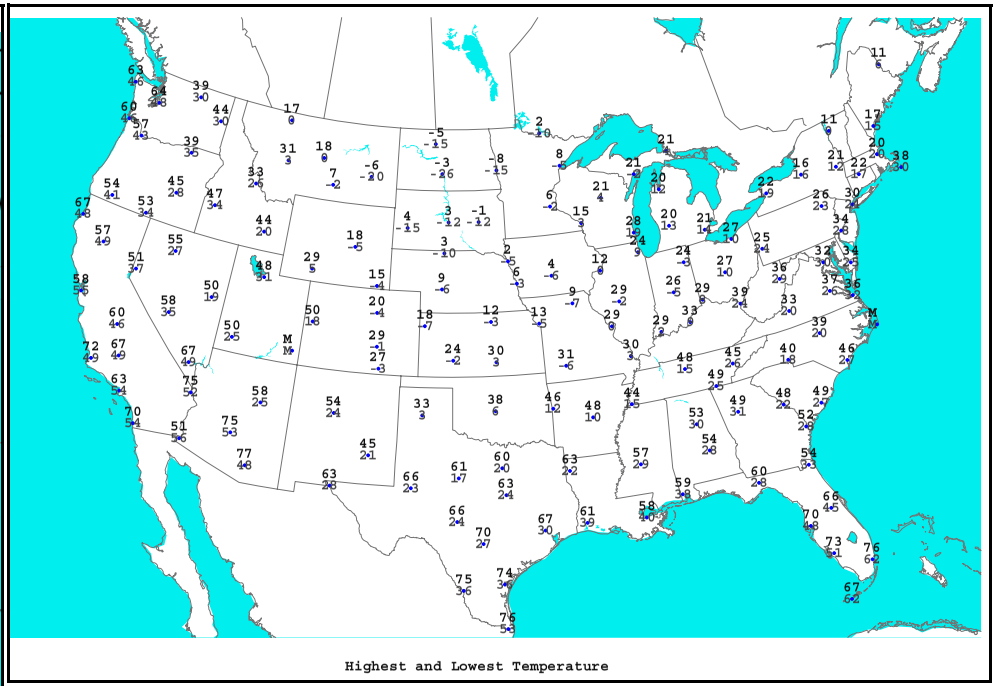
MONDAY, JANUARY 15, 2018

TUESDAY, JANUARY 16, 2018

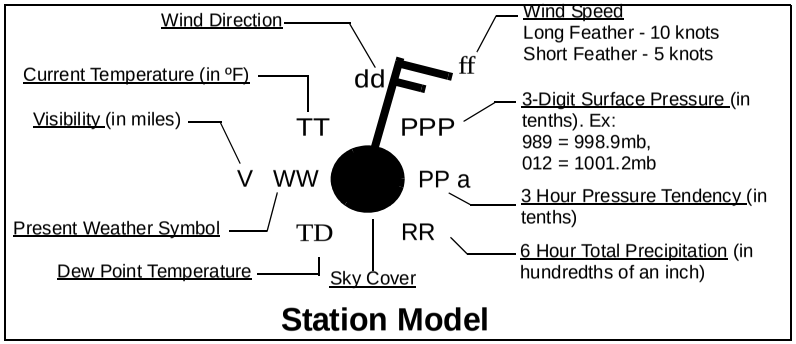




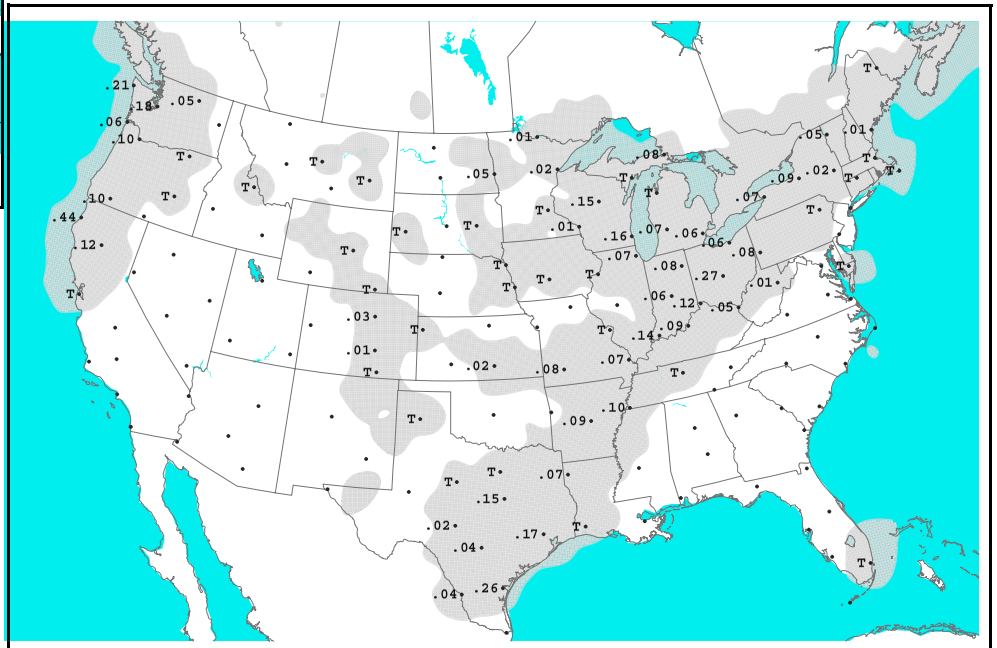
500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

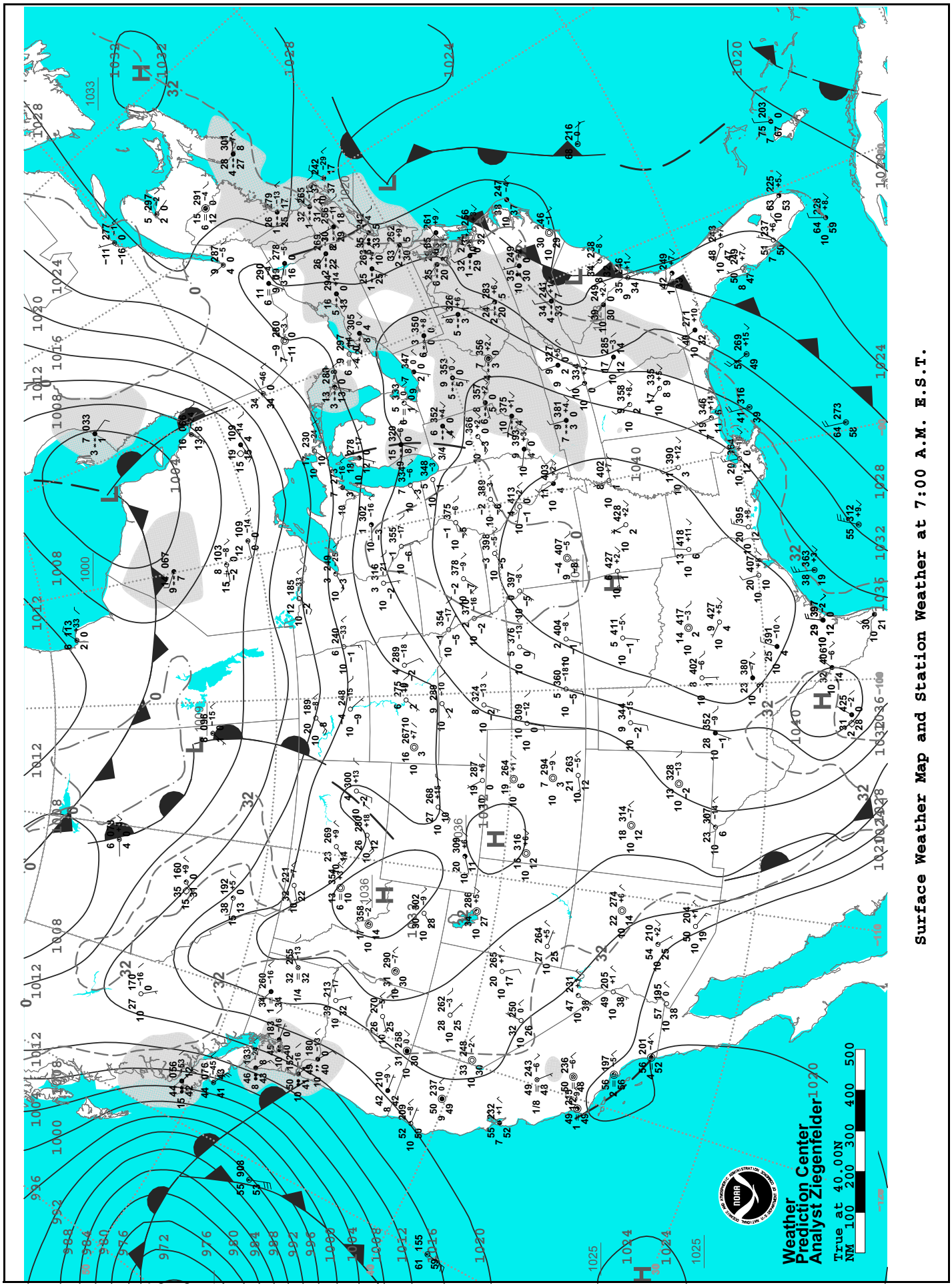


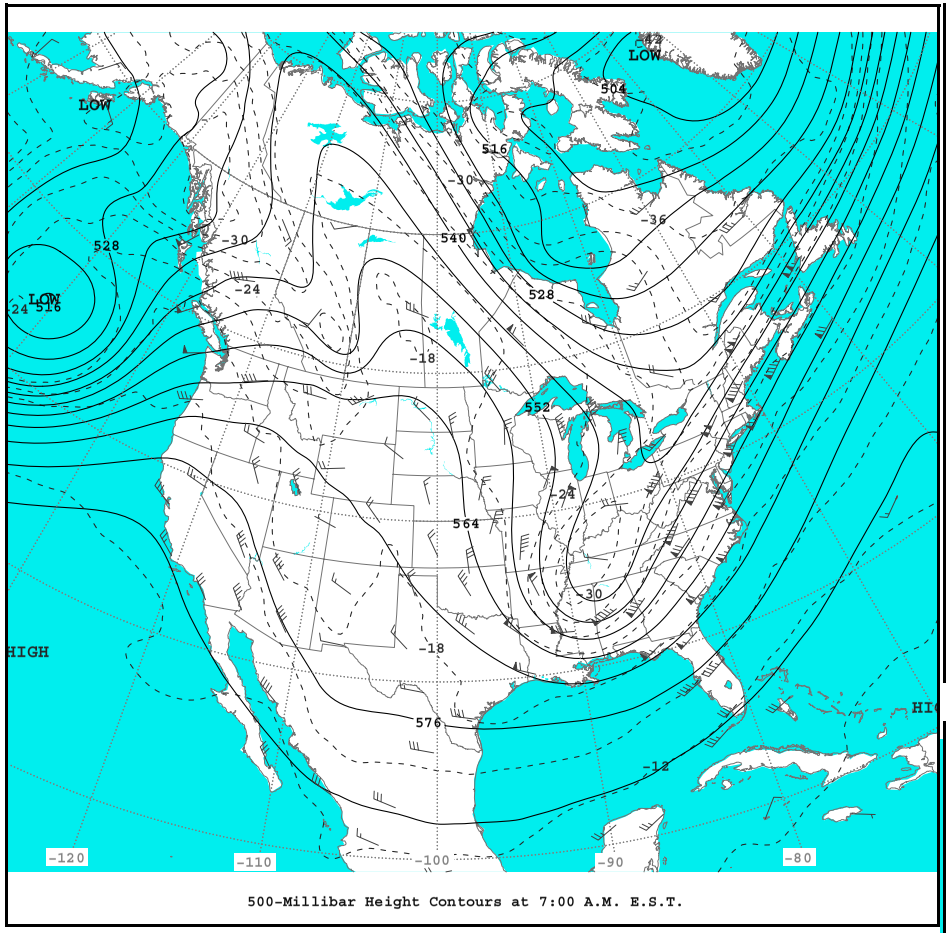
TUESDAY, JANUARY 16, 2018



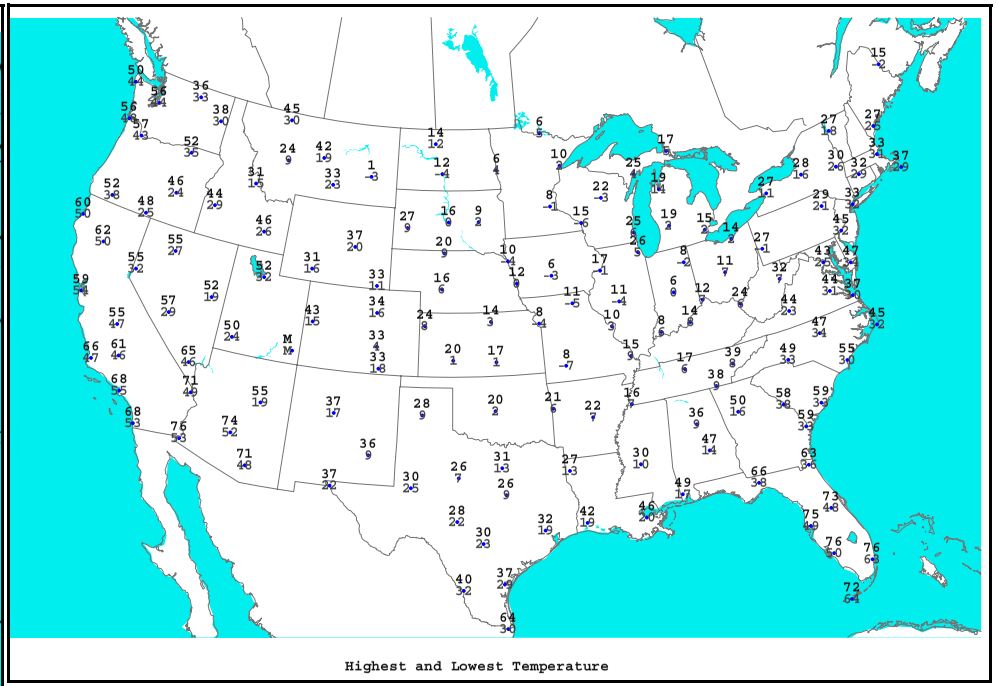
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

WEDNESDAY, JANUARY 17, 2018

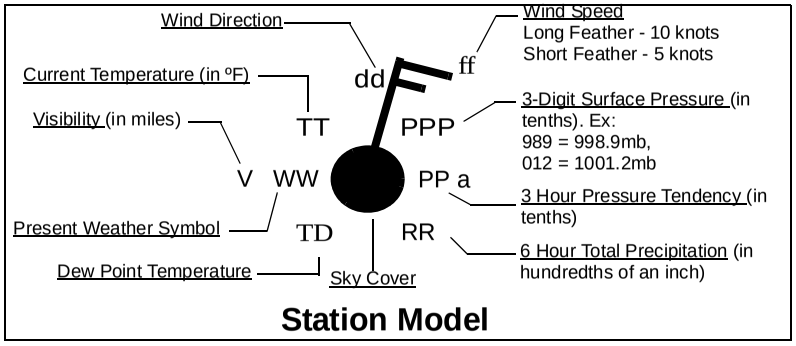




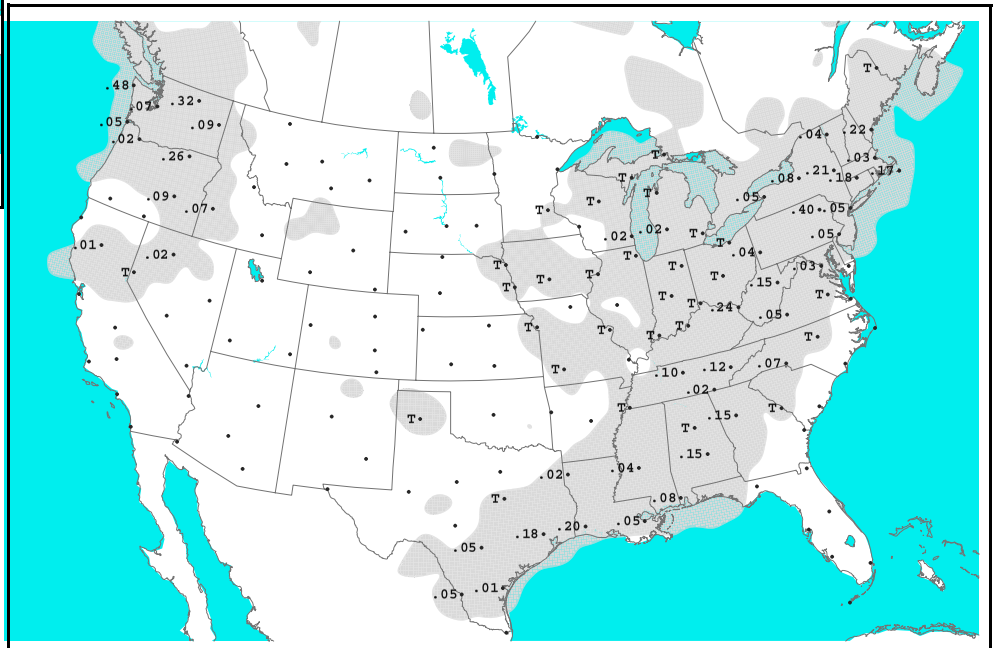
500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

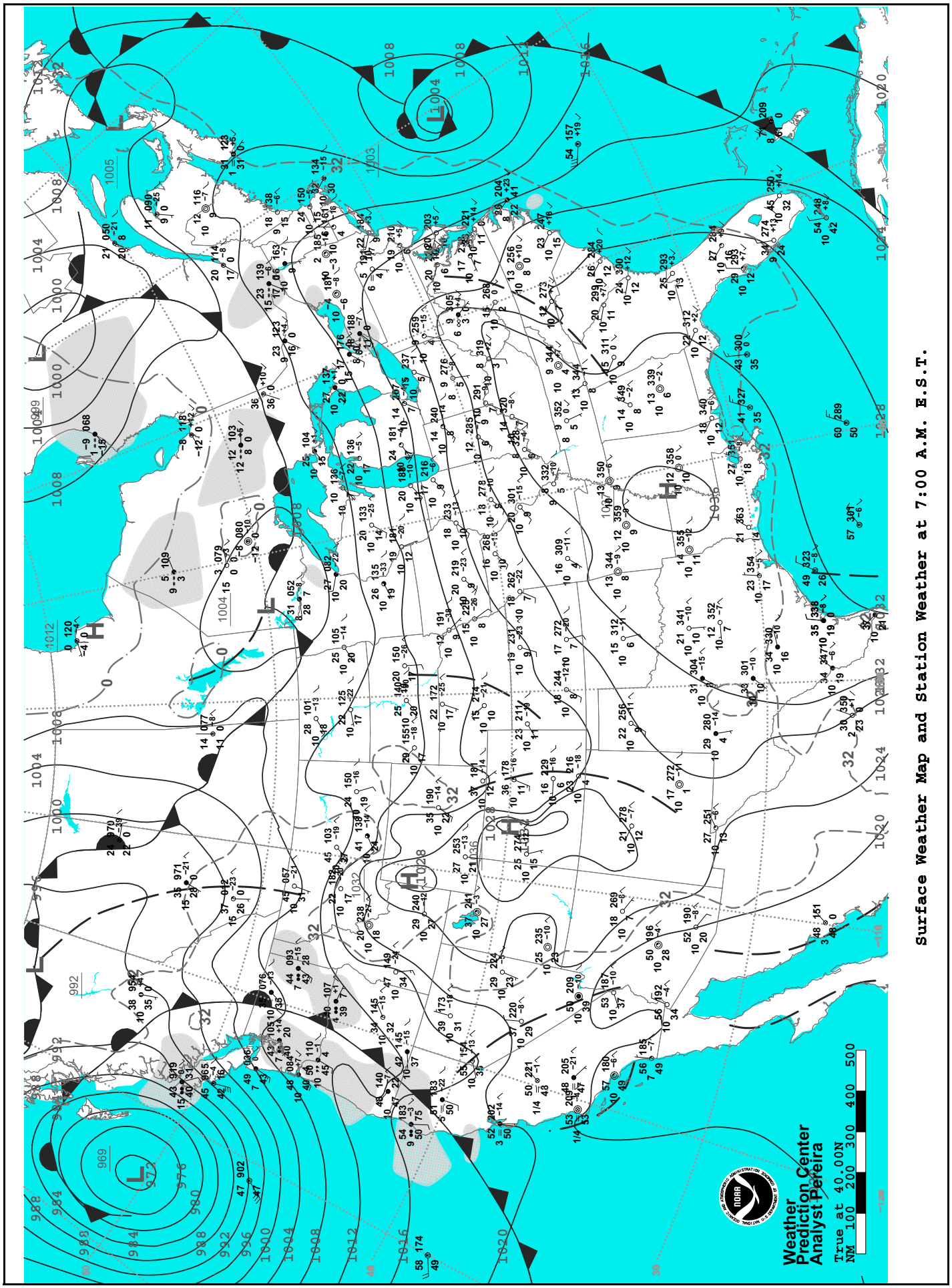


WEDNESDAY, JANUARY 17, 2018

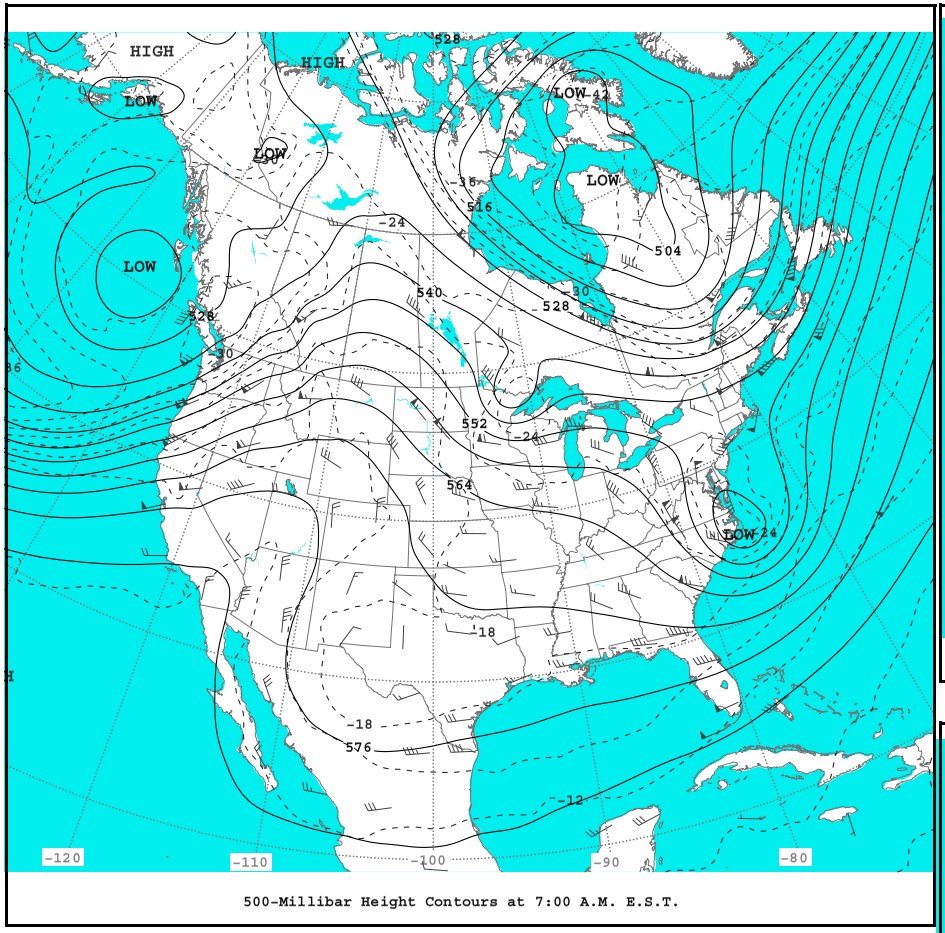


24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

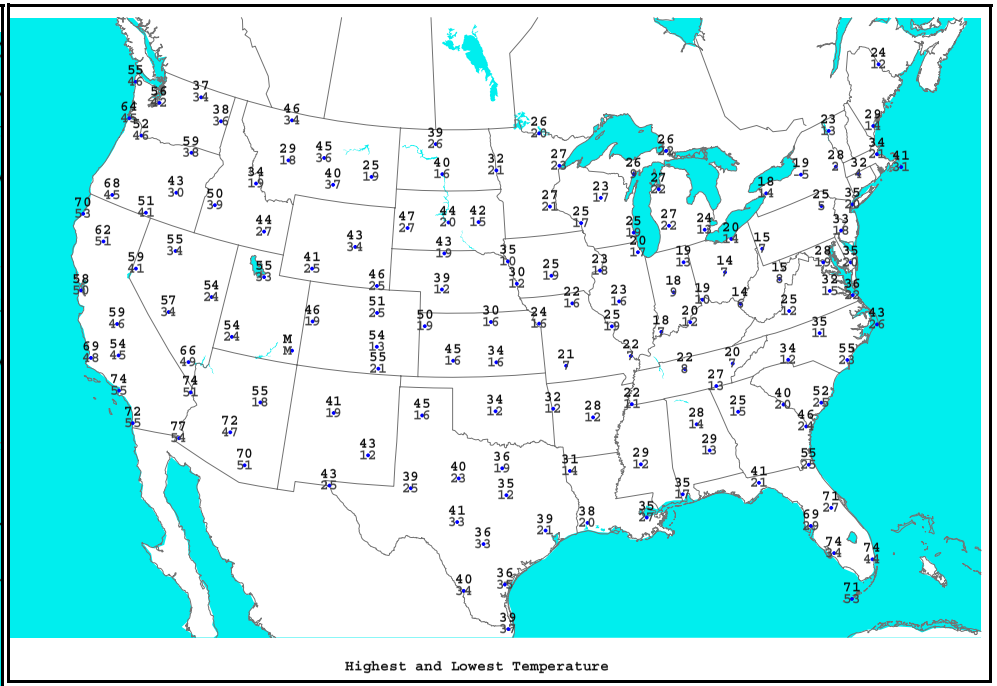
THURSDAY, JANUARY 18, 2018



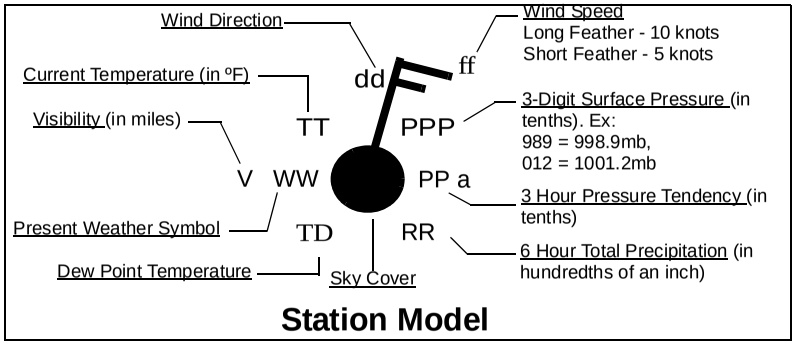
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



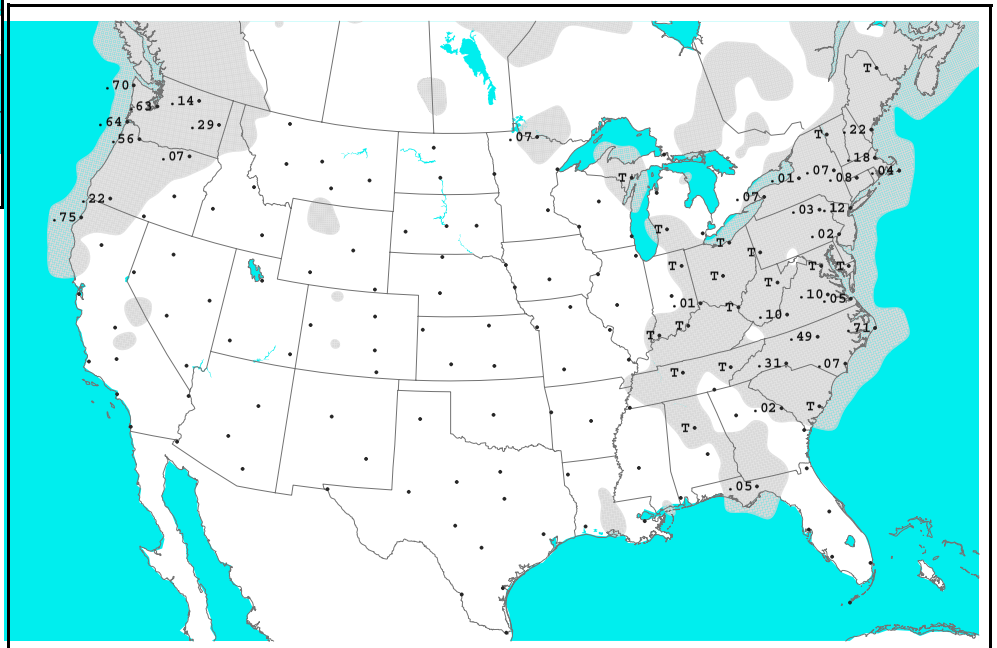
500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

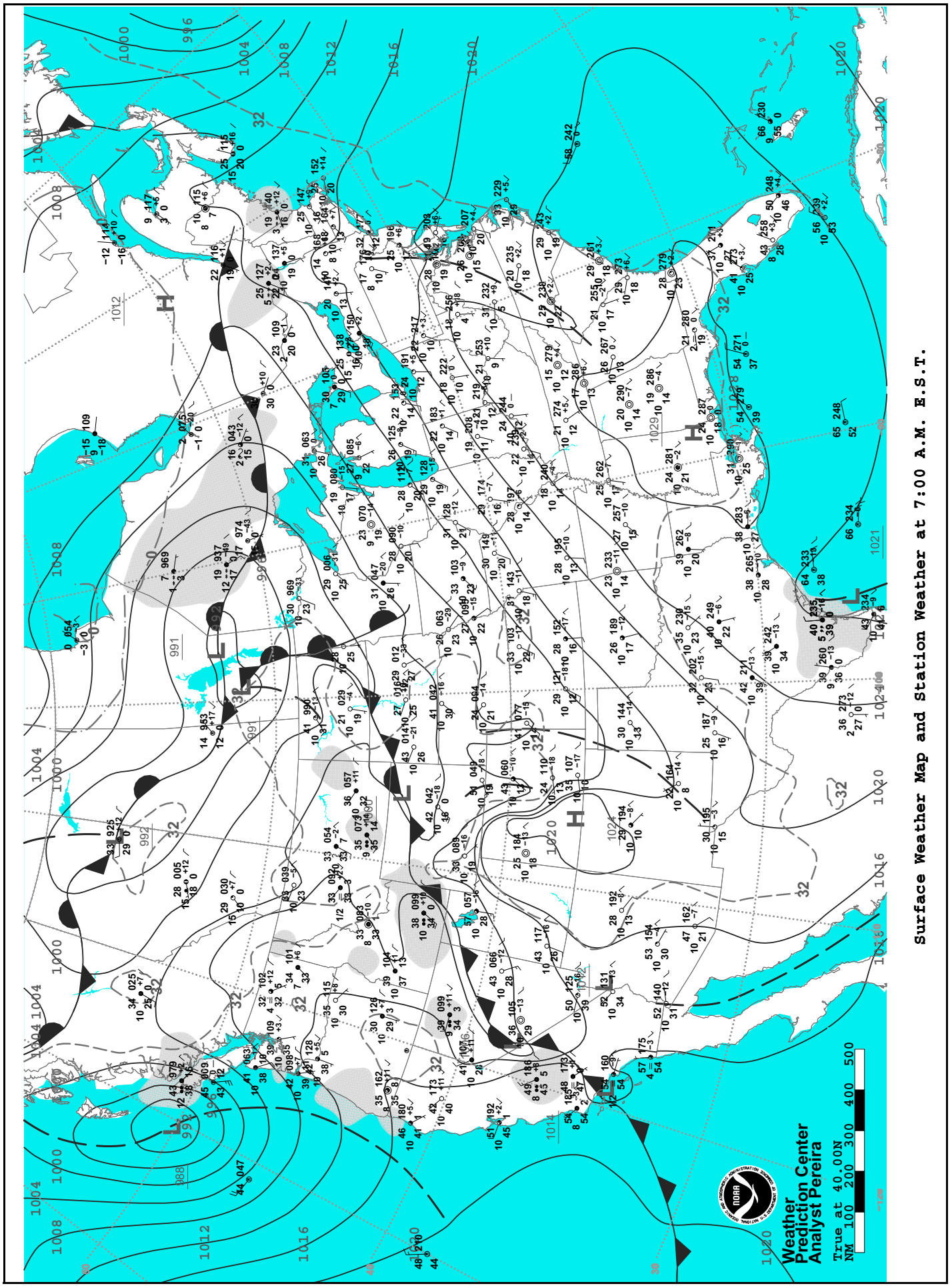


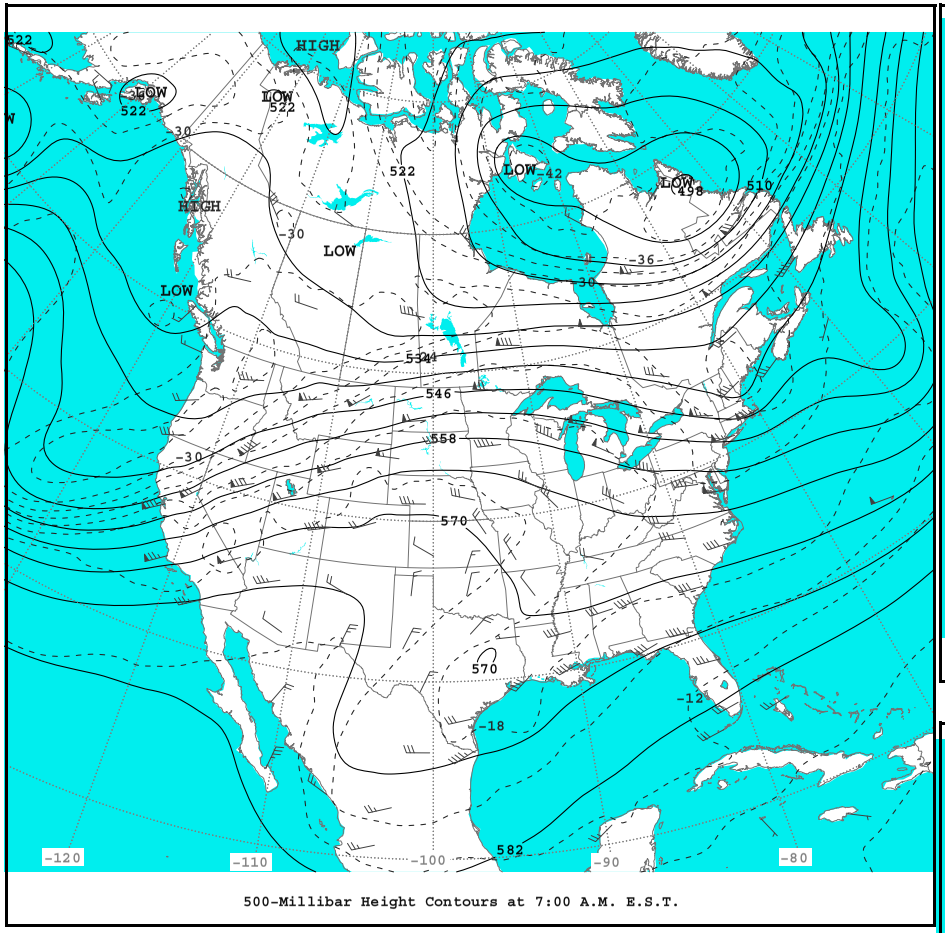
THURSDAY, JANUARY 18, 2018



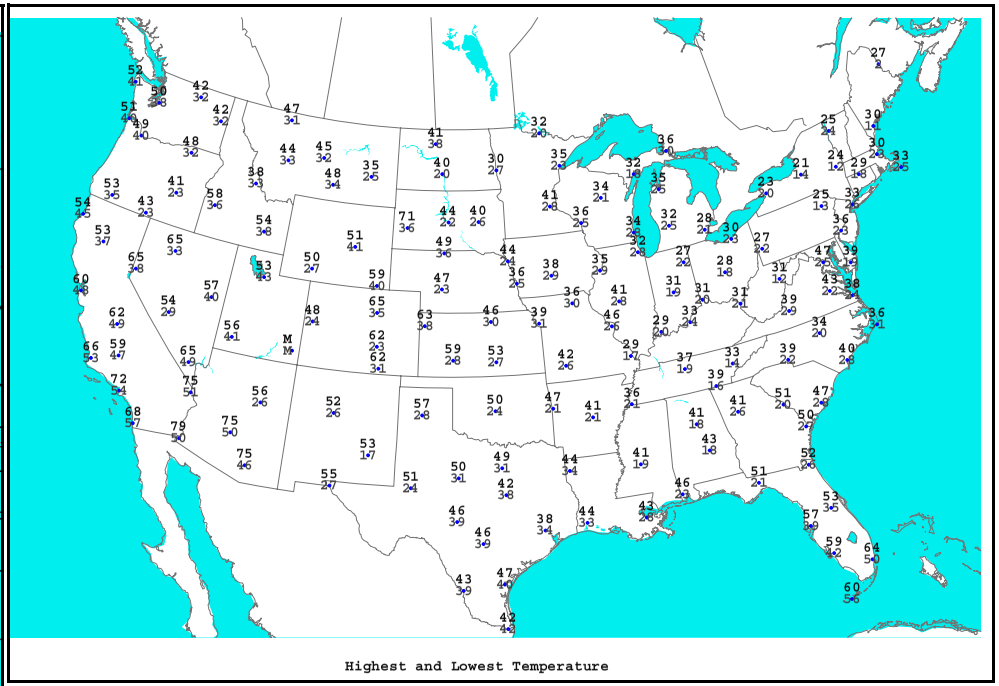
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

FRIDAY, JANUARY 19, 2018

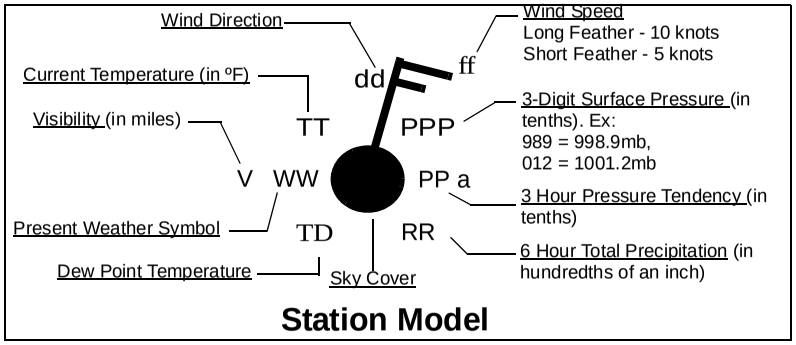


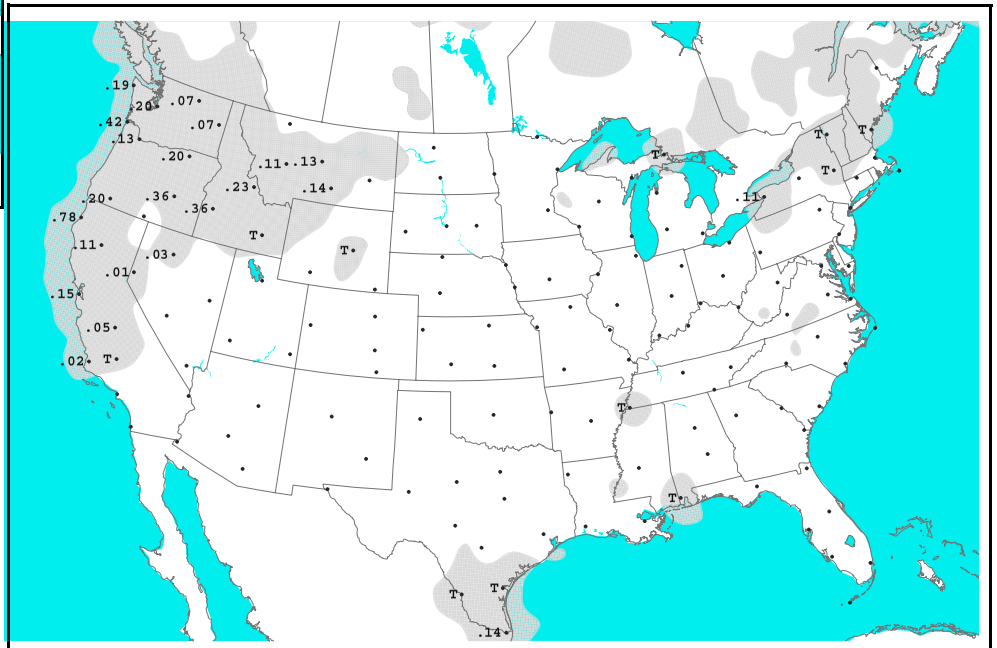


500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature

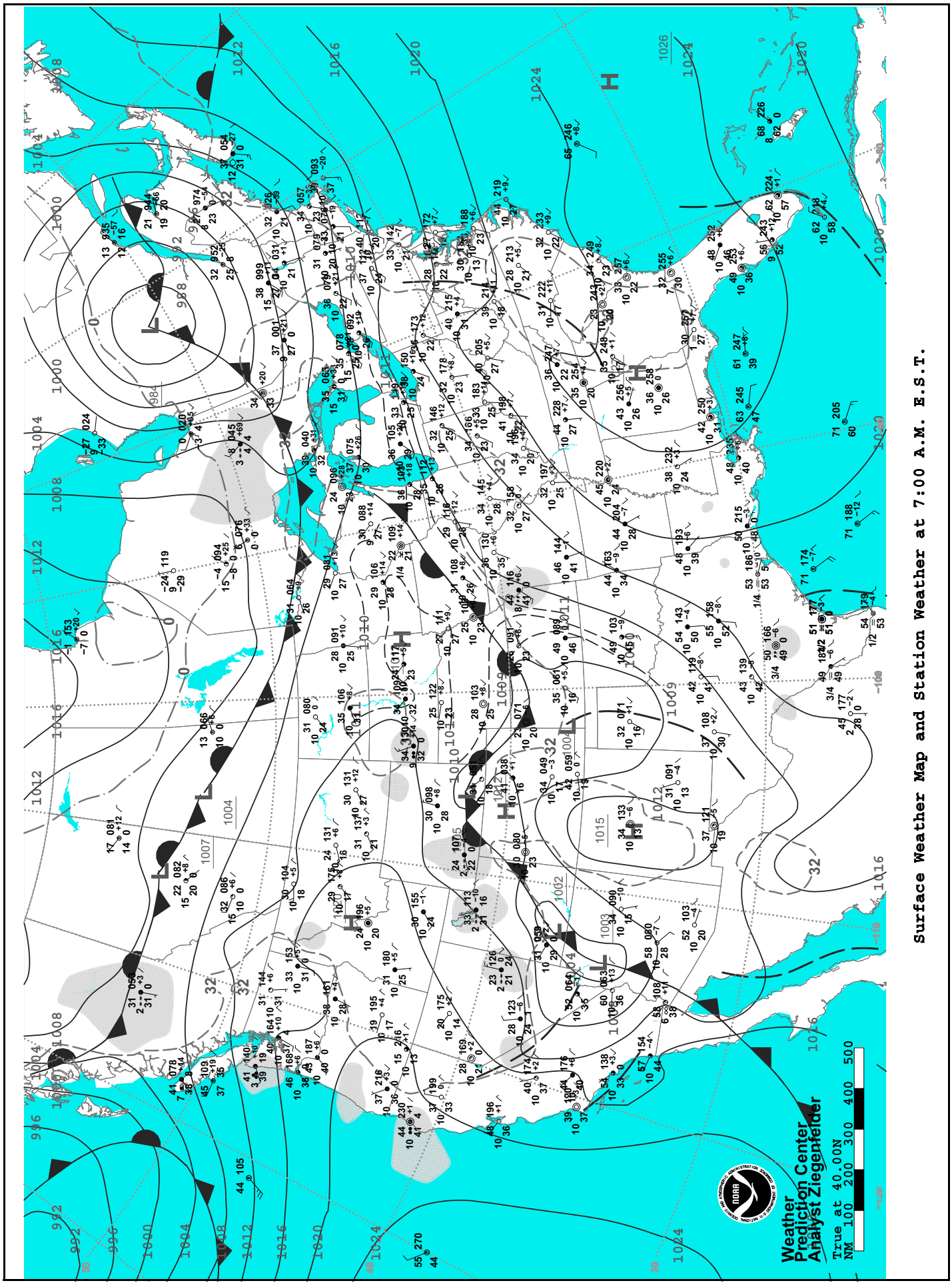


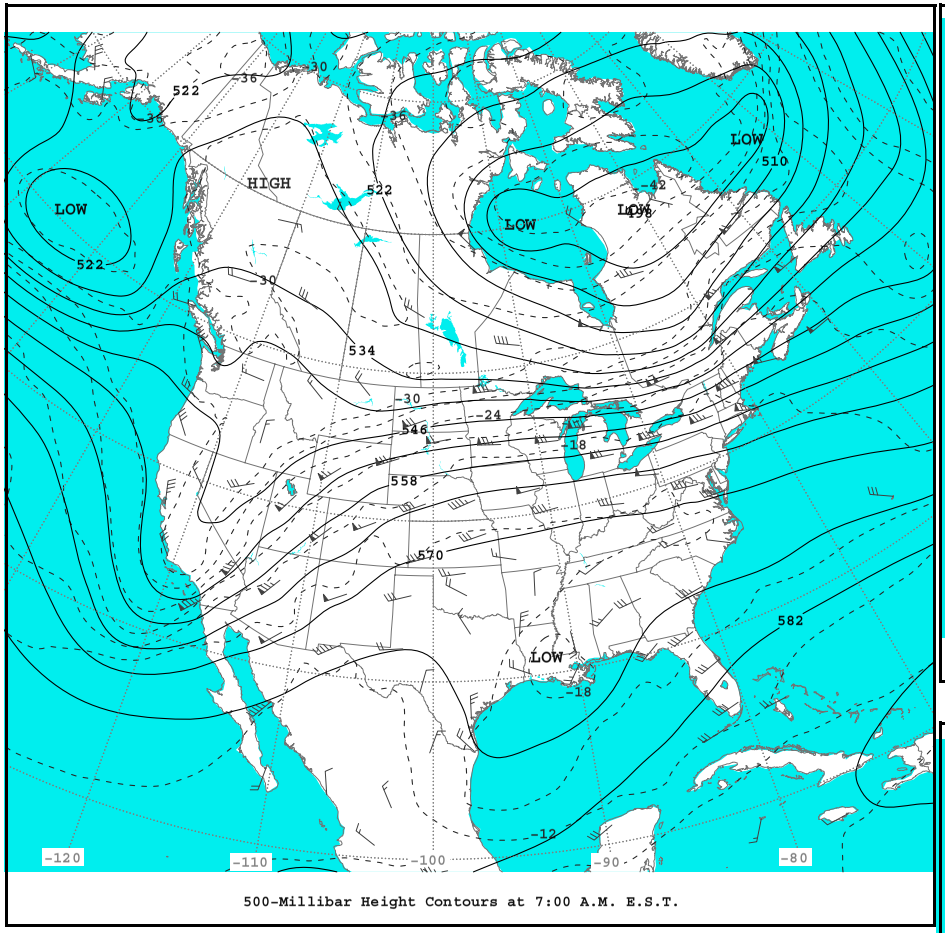


24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

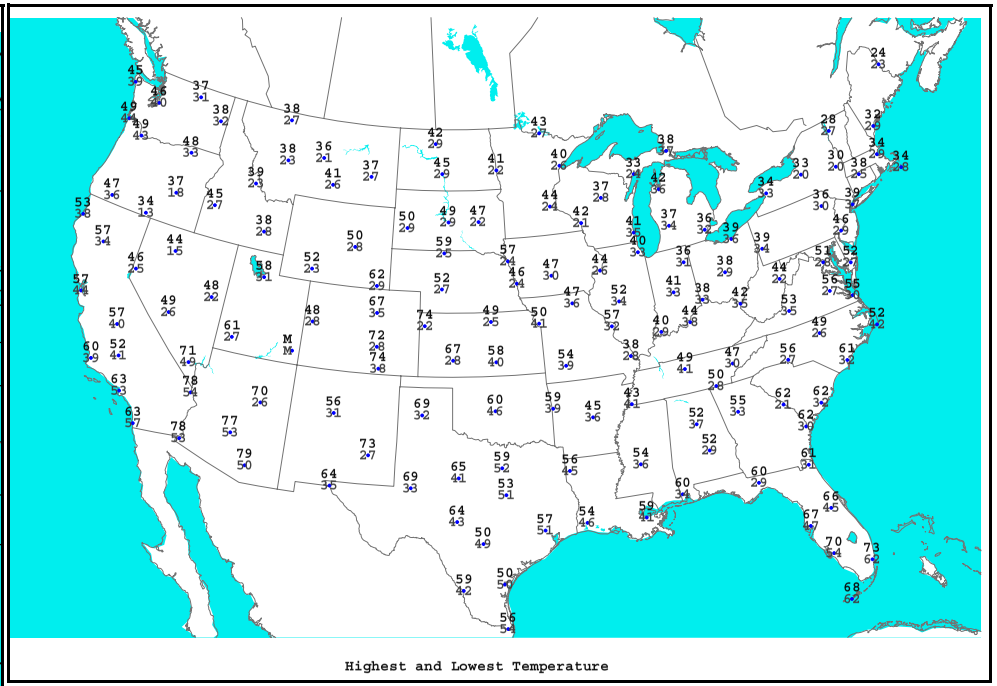
FRIDAY, JANUARY 19, 2018

SATURDAY, JANUARY 20, 2018

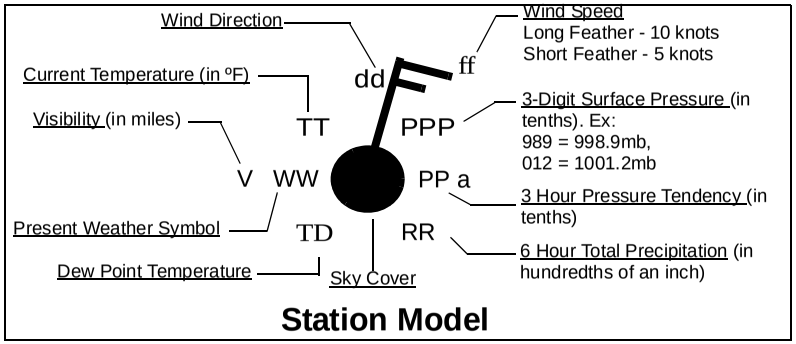




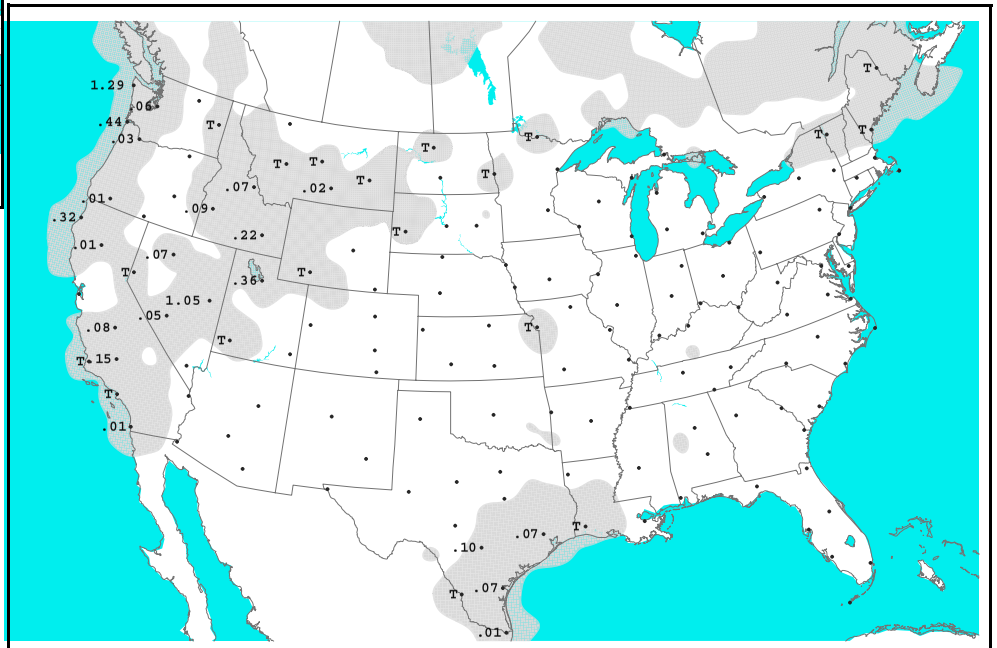
500-Millibar Height Contours at 7:00 A.M. E.S.T.



Highest and Lowest Temperature



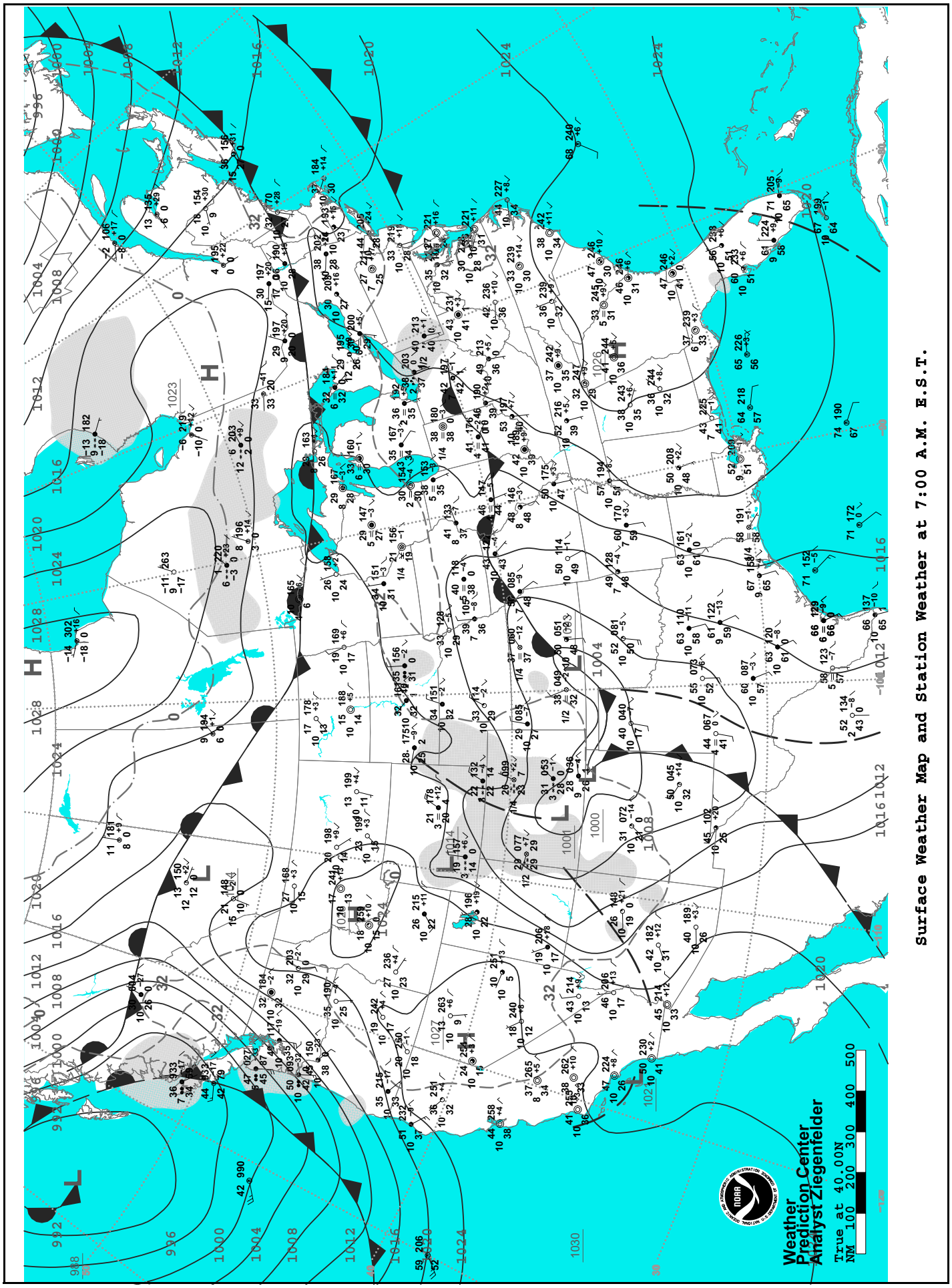
Station Model



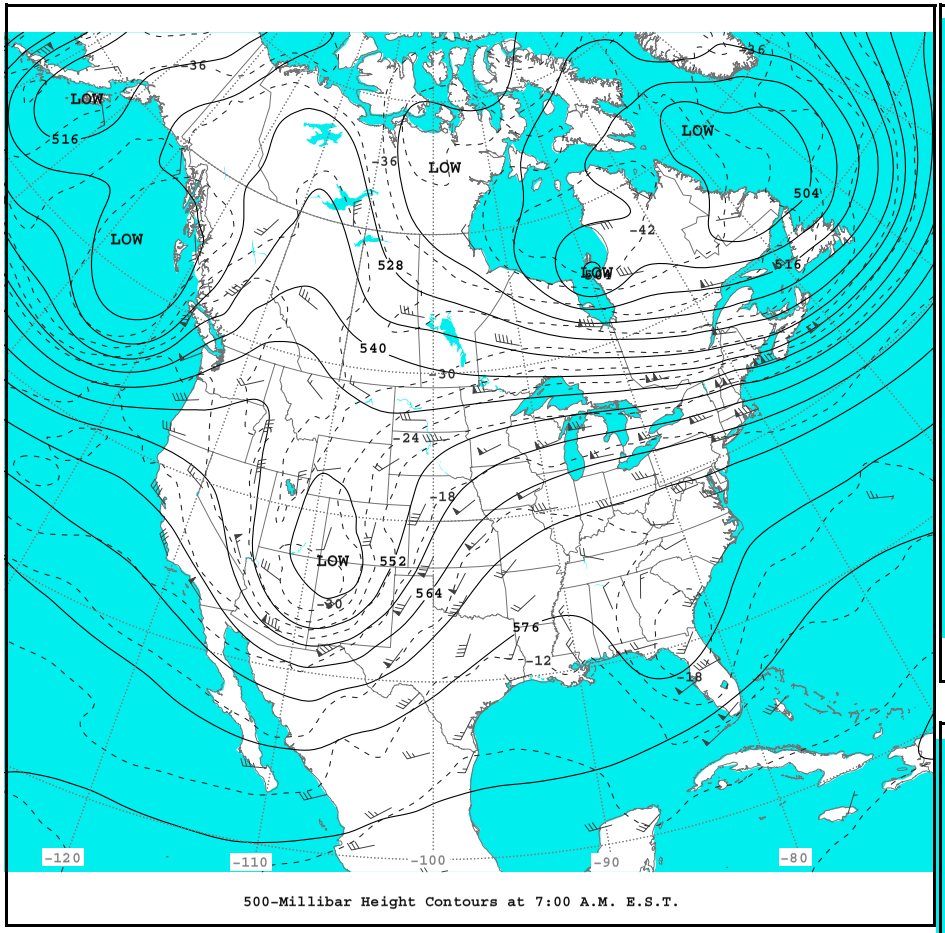
24-hour Precipitation Areas and Amounts Ending 7:00 A.M. E.S.T.

SATURDAY, JANUARY 20, 2018

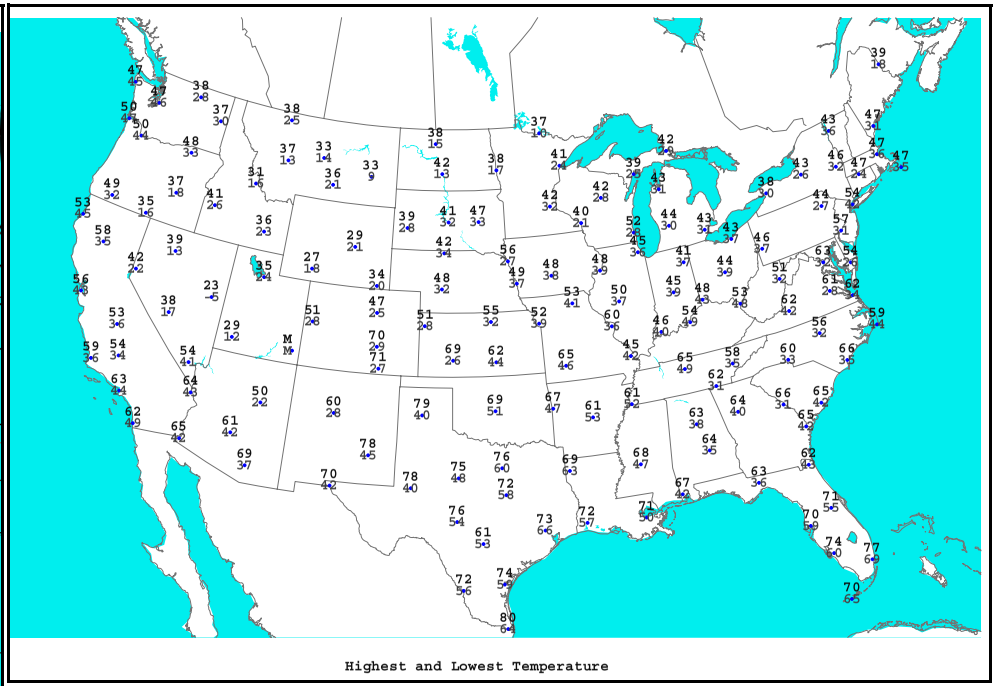
SUNDAY, JANUARY 21, 2018



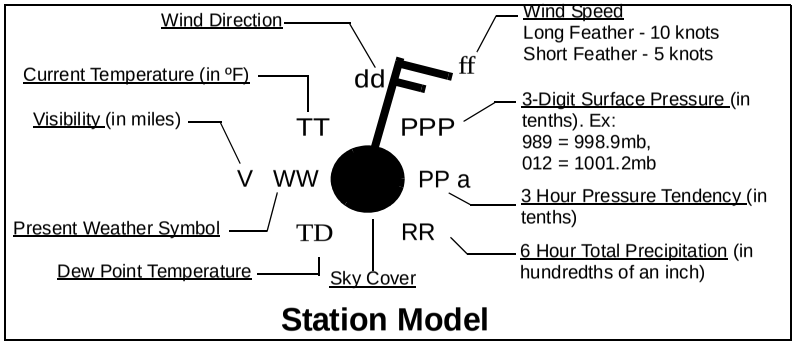
Surface Weather Map and Station Weather at 7:00 A.M. E.S.T.



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

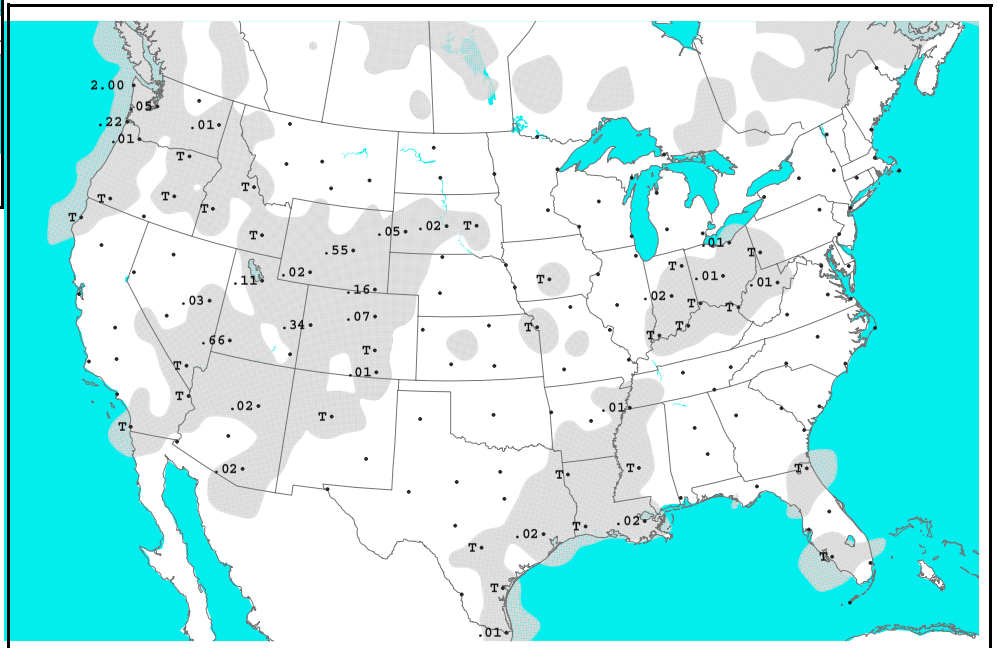


Highest and Lowest Temperature

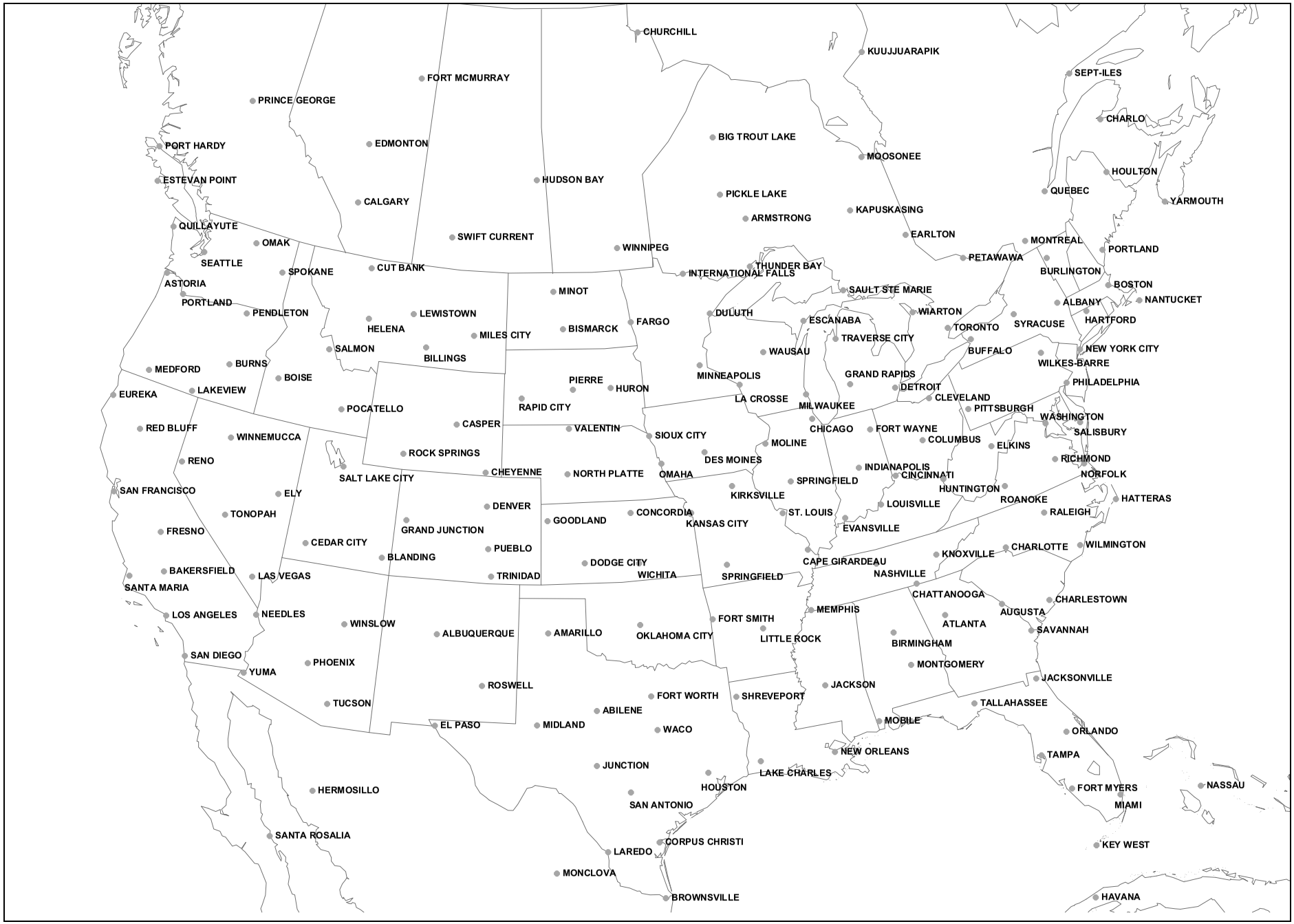


Station Model

SUNDAY, JANUARY 21, 2018



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



Daily Weather Map Station Names and Locations