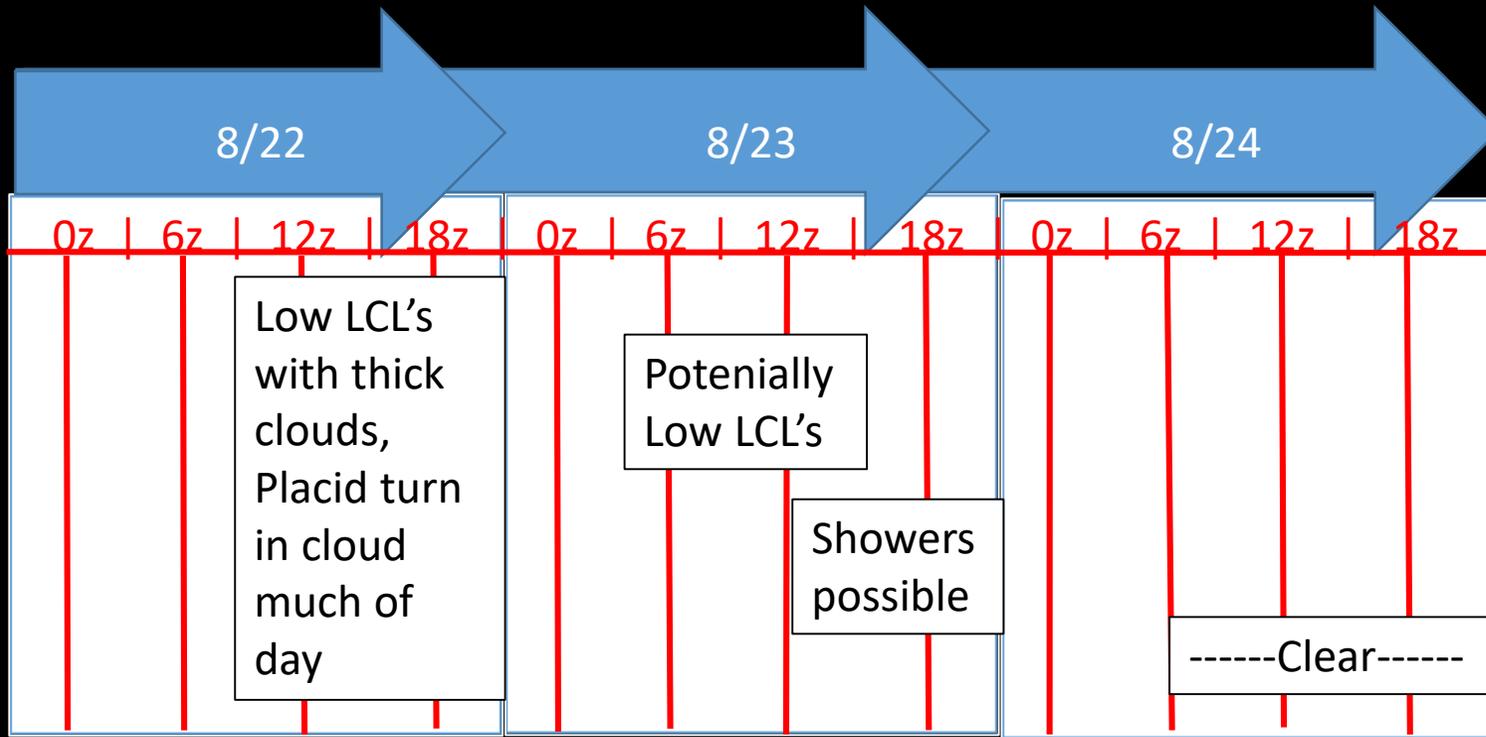


Forecast for 8/23-8/25

Forecaster: Matthew Brewer

Forecast made: 8/22/2017

Outlook



Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for Day 8/23

- Low LCL's will produce thick low clouds which will likely keep the Lake Placid Turn in cloud for much of the morning with clouds likely late in the morning/early afternoon
- There is potential for precip later in the day due to weak upward vertical motion and convection

Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for 8/24

- Another day of low LCL's and thick clouds
- There will be a higher chance of precip again in the afternoon due to vorticity advection aloft

Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for 8/25

- Likely to be dry and sunny
- A good day to pack everything and head home

Day -1

Day 0

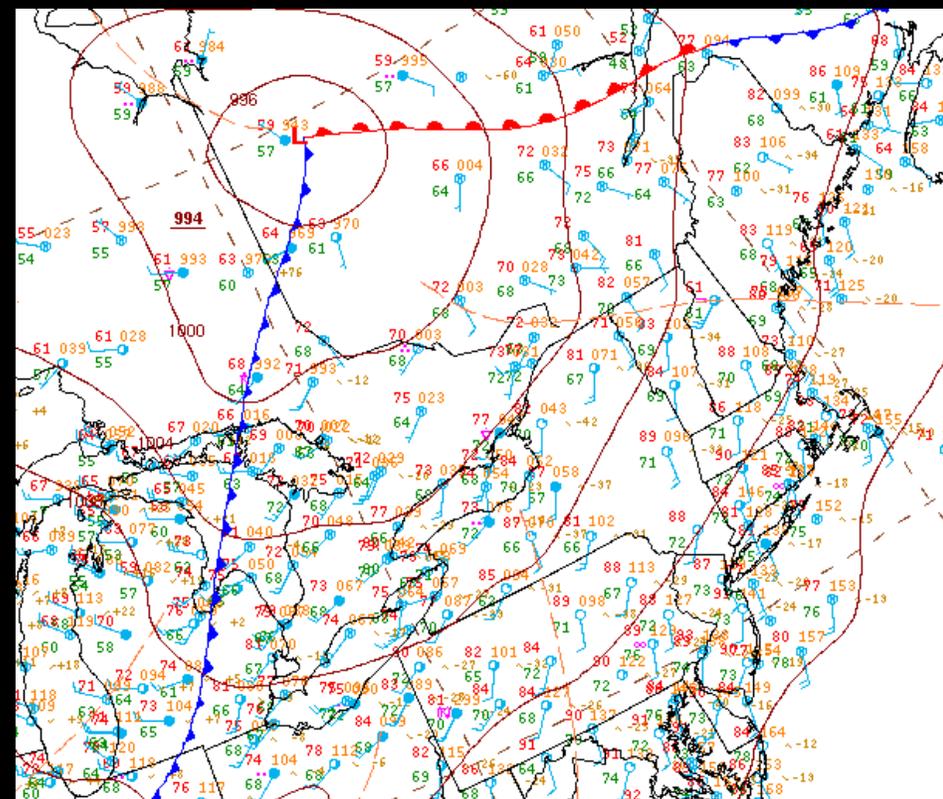
Day 1

Day 2

Day 3-5

Current Surface Analysis

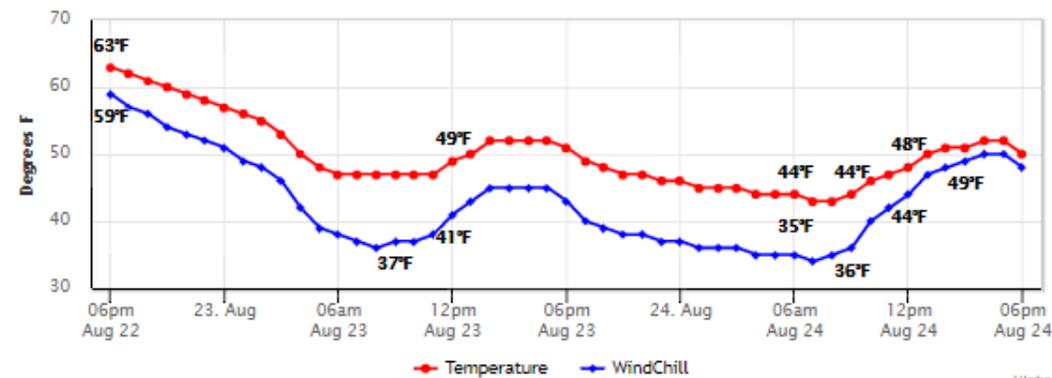
- Shown is the NOAA WPC surface analysis from 18z 8/22/2017
- The low to the north is the brought us the precip today with additional rain expected throughout the evening as the front moves through



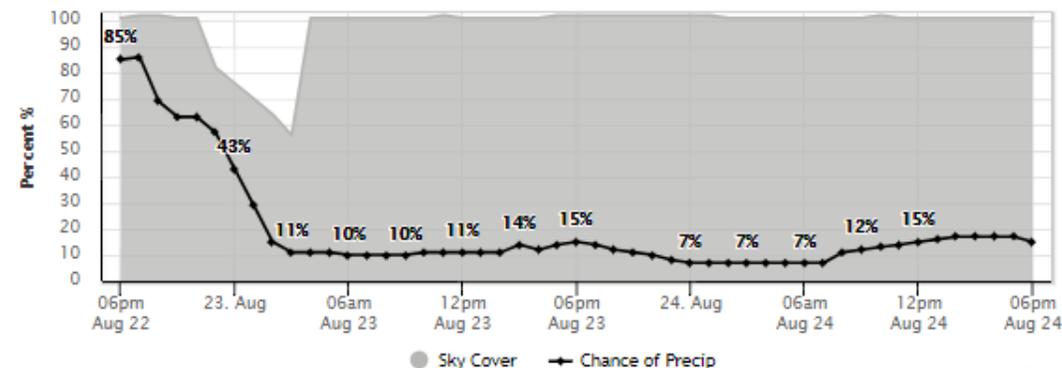
Summit forecast

- Shown is the NWS Burlington's summit forecast
- The NWS is forecasting the next two day to be completely lock in cloud with winds getting progressively lighter

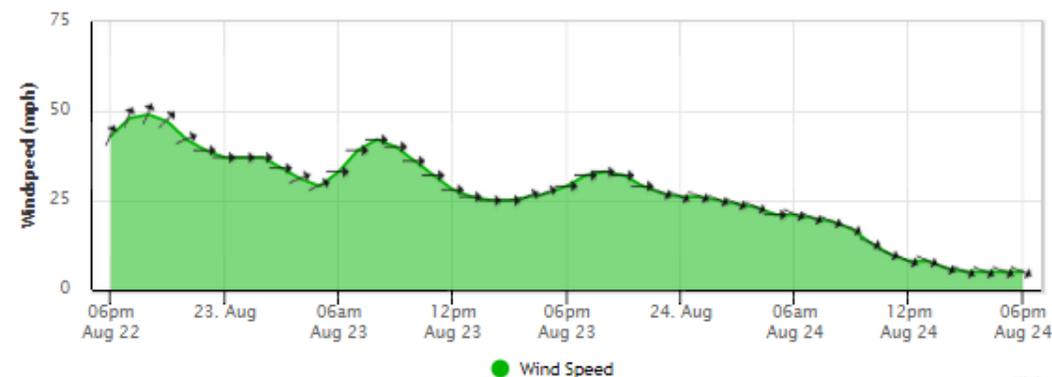
Temperature & Wind Chill Forecasts for Whiteface Mountain, NY at 4867'



Precipitation & Sky Cover Forecasts for Whiteface Mountain, NY at 4867'

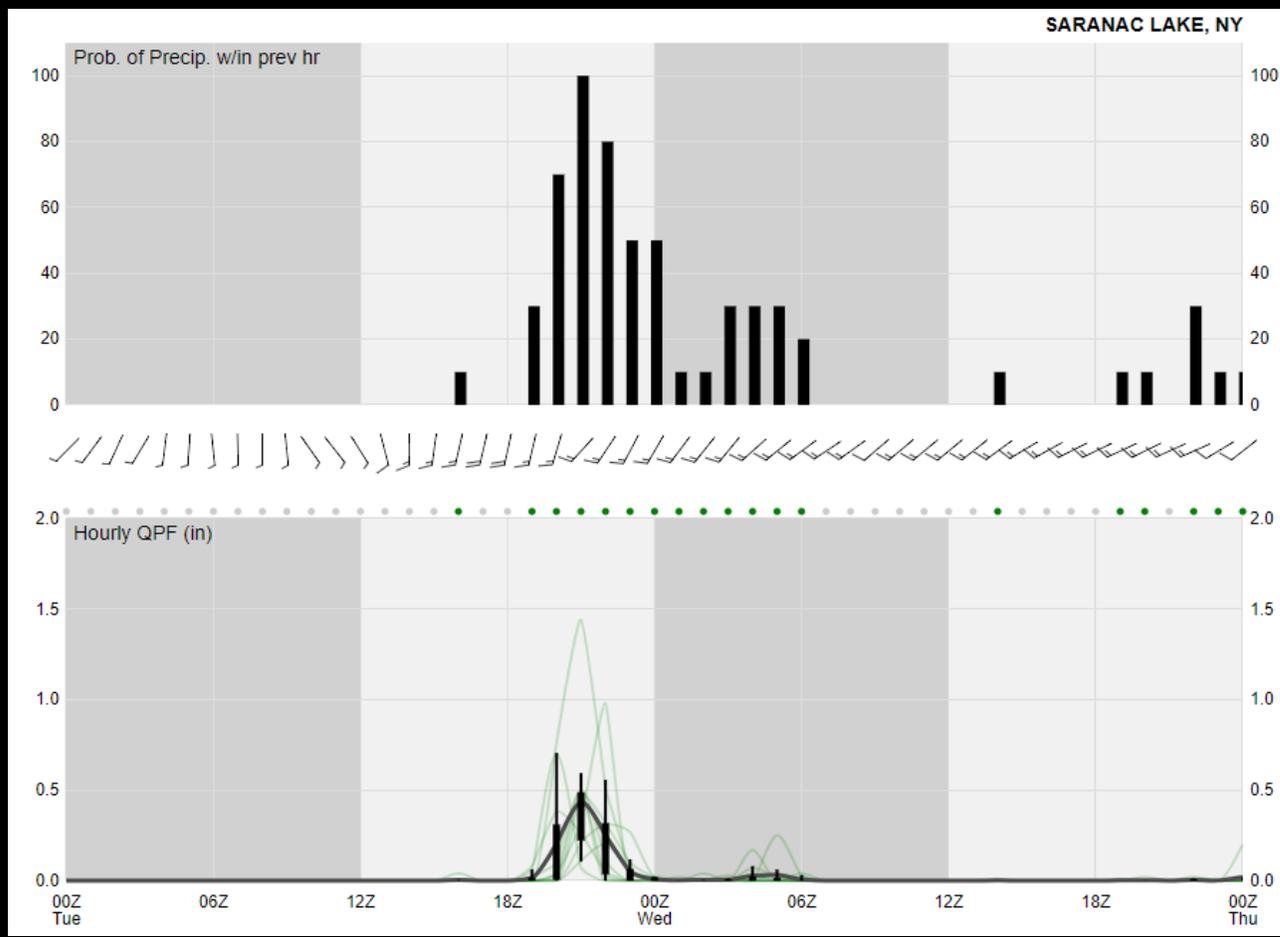


Wind Speed & Direction Forecasts for Whiteface Mountain, NY at 4867'



Precip Meteograms

- NCAR ensemble 0z 8/22 run showing probability of precip and hourly QPF
- The NCAR ensemble forecast shows the rain that we will receive this evening as the cold front moves through the area
- There is a slight chance for precip tomorrow in the early evening, likely just isolated showers



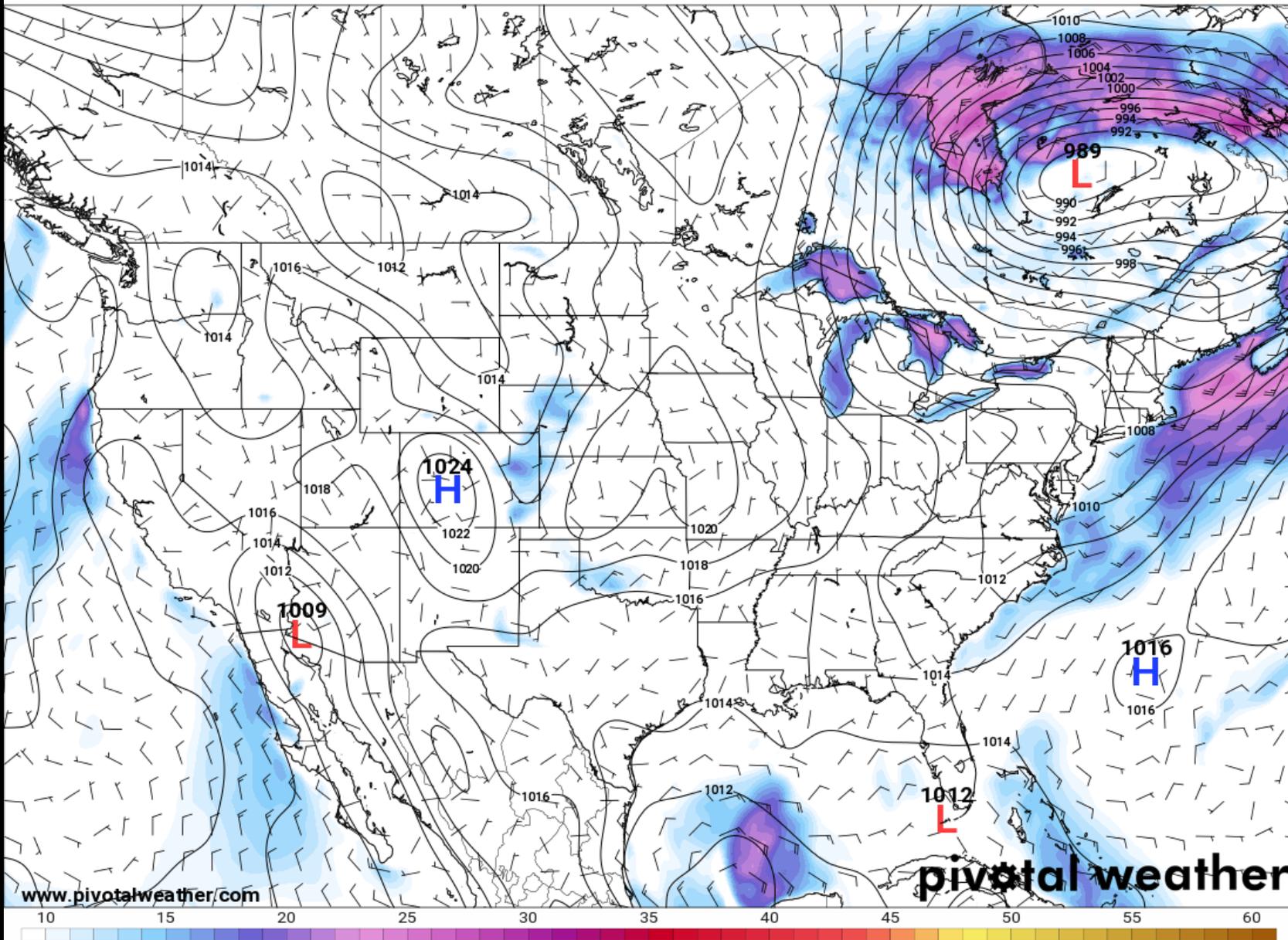
Synoptic weather

- Shown is the 8/22 12z GFS MSLP and 10m winds valid for 12z 8/23
- The low to the north east will cause winds to be westerly and will gradually weaken as the system moves farther to the east

MSLP (mb) and 10 m AGL Wind (kt)

F018 Valid: Wed 2017-08-23 12z

Init: Tue 2017-08-22 18z GFS



Day -1

Day 0

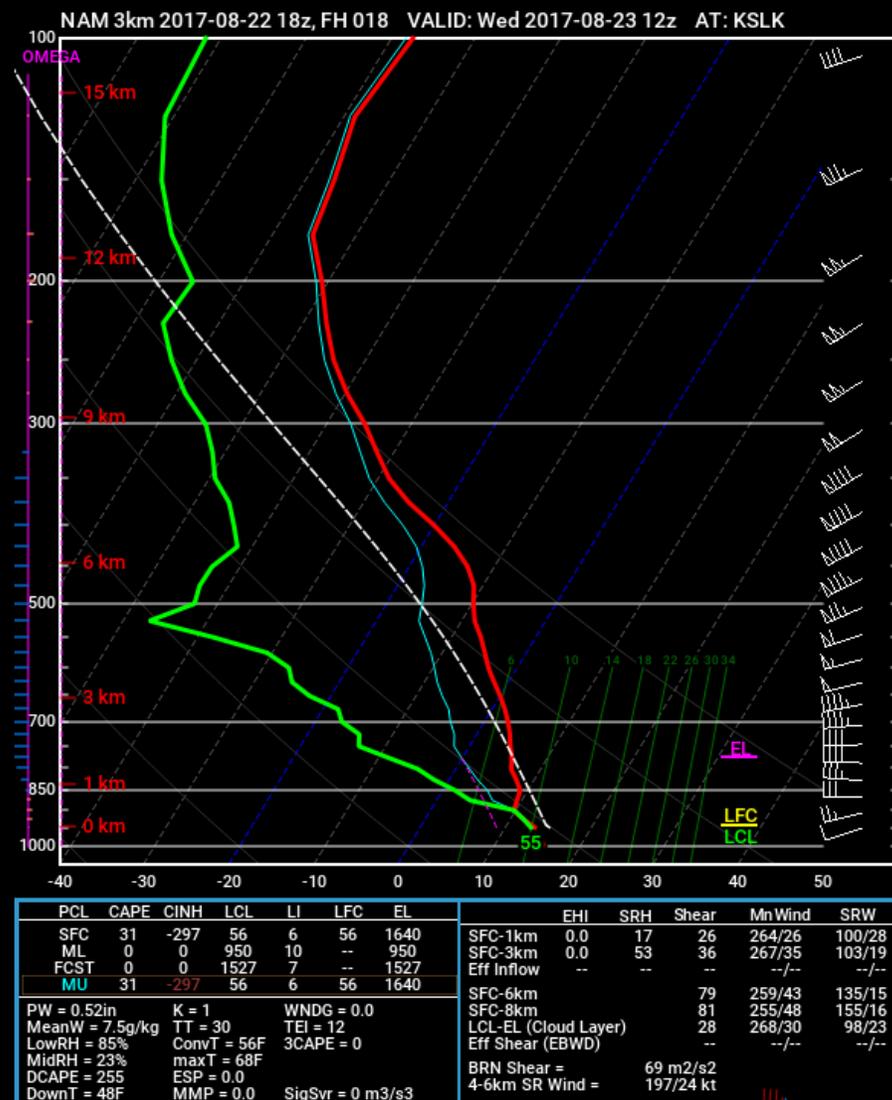
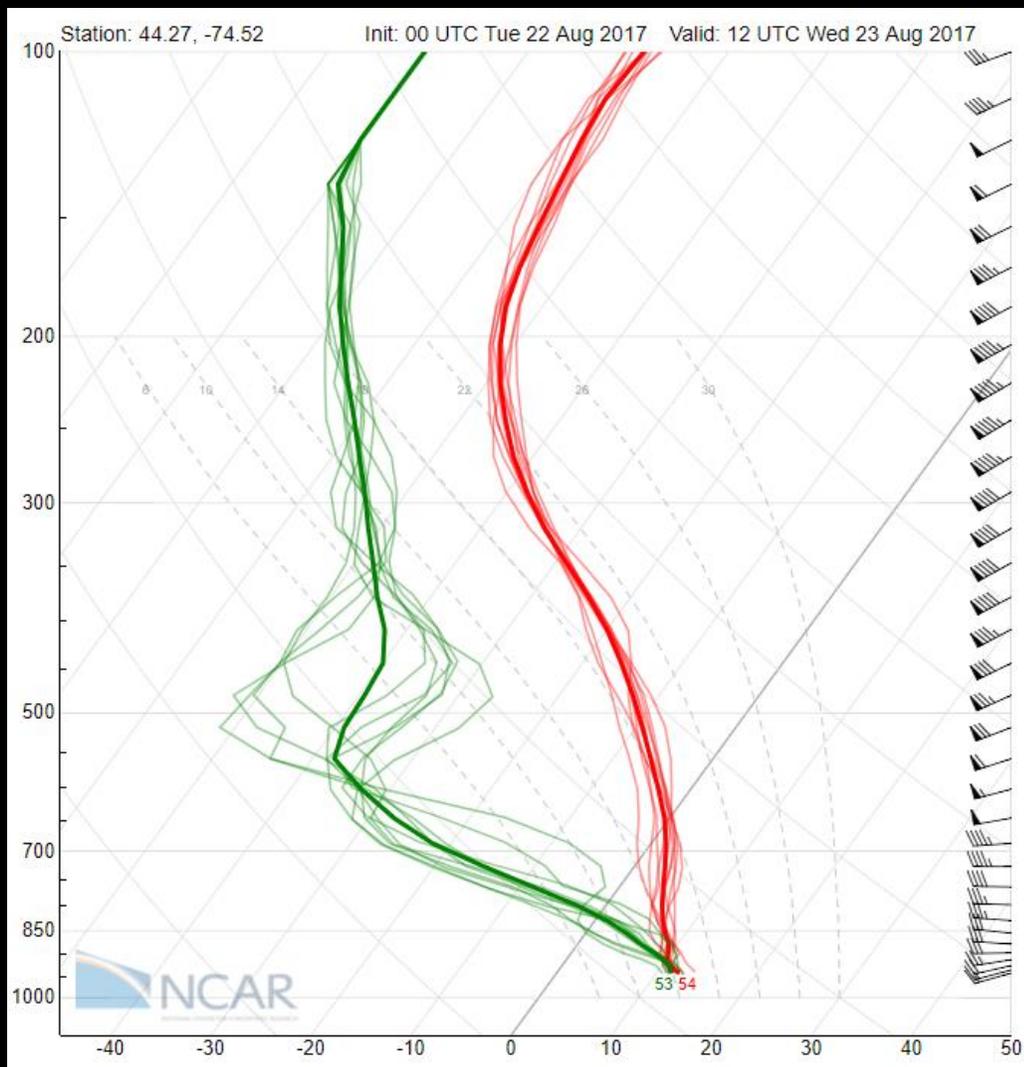
Day 1

Day 2

Day 3-5

Model Soundings

- Shown is the 8/22 18z 3km NAM sounding valid for 12z 8/23 and the 0z 8/22 NCAR ensemble sounding for 12z 8/23
- The NCAR ensemble and the NAM soundings are forecasting just above the surface to be completely saturated which will likely cause the summit and the Lake Placid Turn to be in cloud



Day -1

Day 0

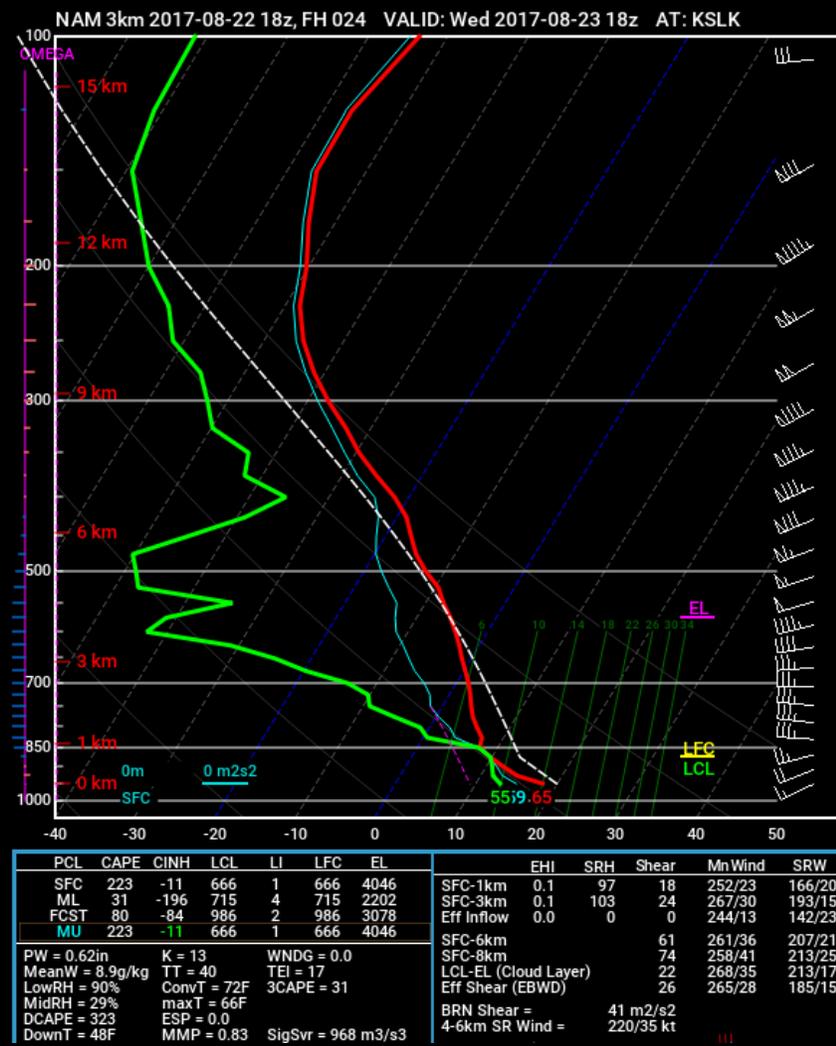
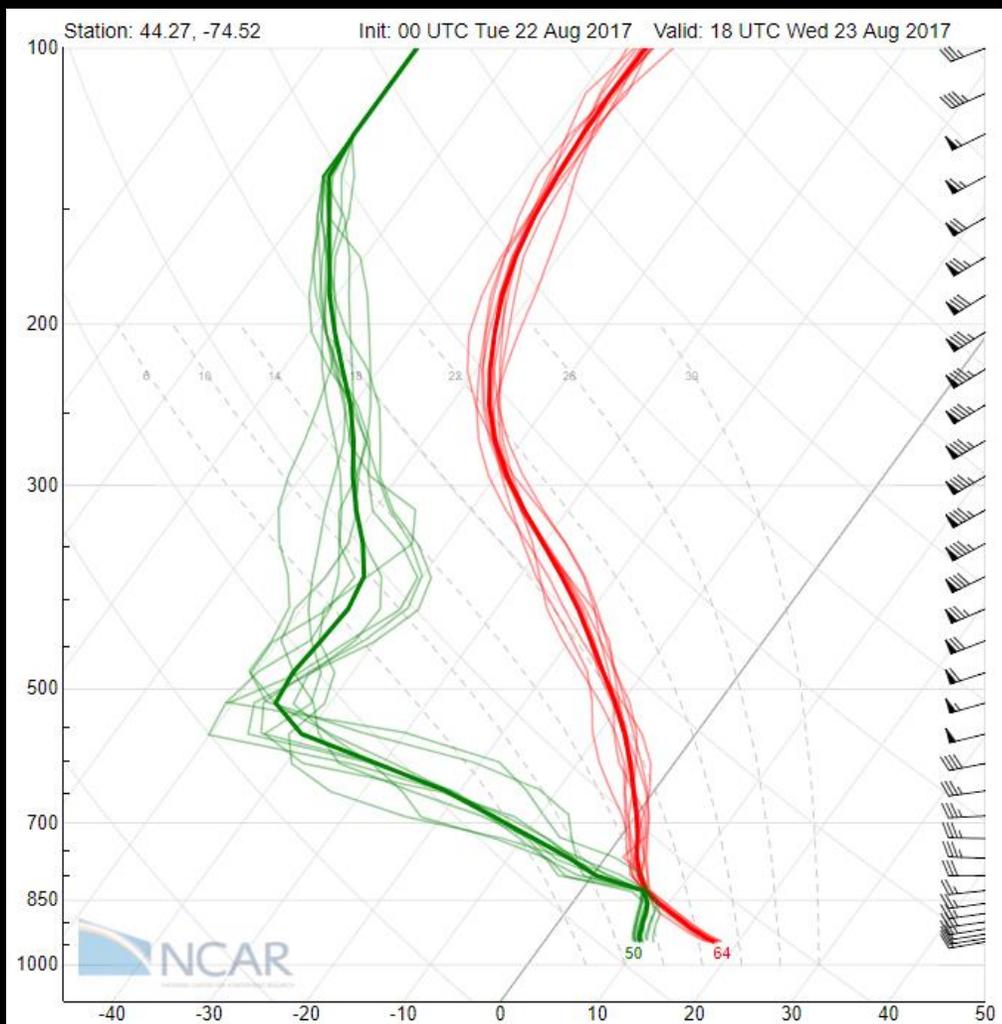
Day 1

Day 2

Day 3-5

Model Soundings

- Shown is the 8/22 18z 3km NAM sounding valid for 18z 8/23 and the 0z 8/22 NCAR ensemble sounding for 18z 8/23
- By 18z the NCAR ensemble is forecasting the LCL to be at or just above the summit
- The NAM forecast shows lower the summit and slightly below to be still saturated at 18z



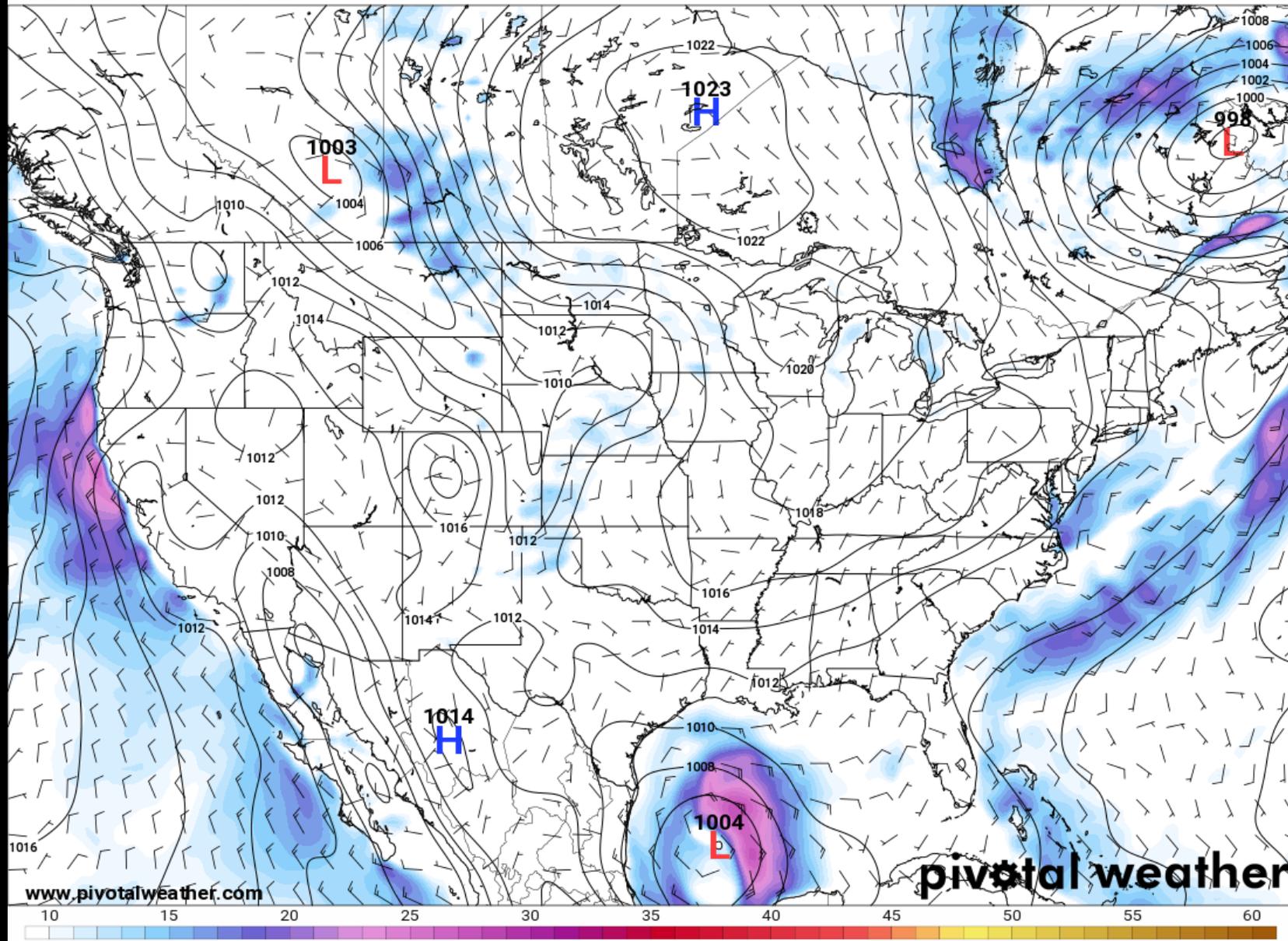
Sea level Pressure

- 12z 8/22 GFS run showing 6hr precip accumulation and MSLP for 12z 8/24
- A low pressure system will have moved to our North east and a large high in central Canada will start to move into the region
- This will weak and variable winds

MSLP (mb) and 10 m AGL Wind (kt)

F042 Valid: Thu 2017-08-24 12z

Init: Tue 2017-08-22 18z GFS



Day -1

Day 0

Day 1

Day 2

Day 3

Long Term

- 12z 8/22 GFS run showing MSLP and 10m for 12z 8/25
- The high will be getting closer to our area which will create weak southerly flow

MSLP (mb) and 10 m AGL Wind (kt)

F066 Valid: Fri 2017-08-25 12z

Init: Tue 2017-08-22 18z GFS

