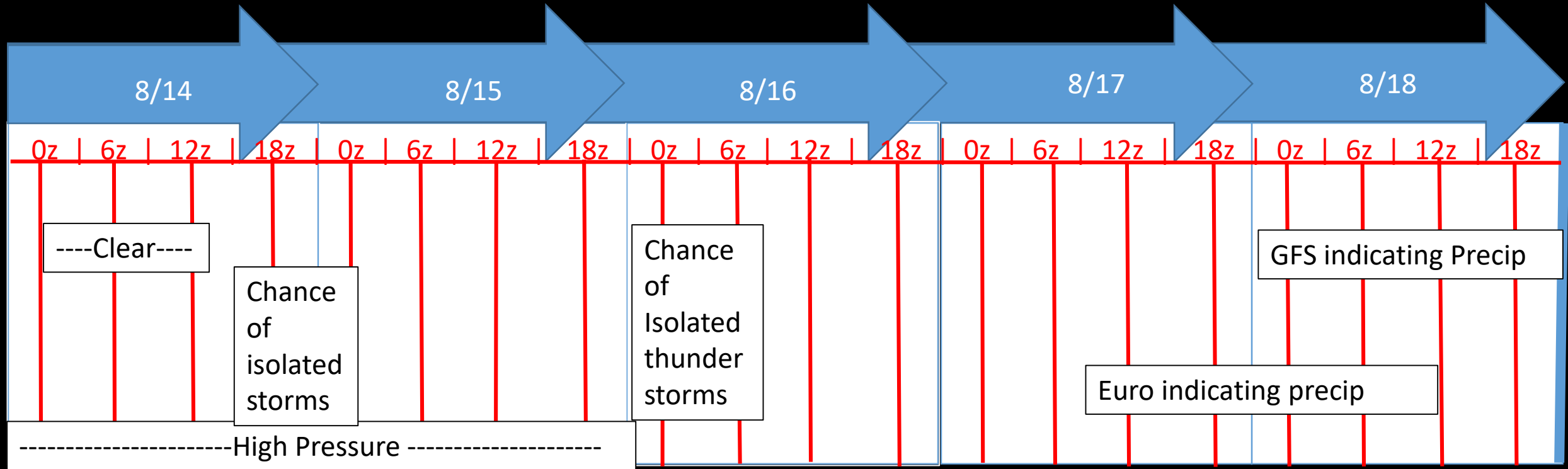


Forecast for 8/12-8/16

Forecaster: Matthew Brewer

Forecast made: 8/11/2017

Outlook



Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for Day 8/14

- Morning may be clear, model soundings are showing an inversion just above the surface potentially inhibiting cloud formation
- High pressure will be throughout the region
- Mostly sunny throughout the day will chance of isolated convective storm

Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for 8/15

- High pressure moves out and weak low to the north will create weak southerly flow
- Summit may be in cloud early but will likely not persist into the day
- Likely dry most of the day will chance of isolated shower in the late afternoon and into the evening

Day -1

Day 0

Day 1

Day 2

Day 3-5

Overview for Day 3-5

- Wednesday-High pressure to move back into area bringing dry weather
- Thursday- GFS: still in high pressure but cyclone moving into area later in the evening

Euro: Rain to move into the area in early morning and persist throughout the day

Friday- Euro: Rain clearing in the morning

GFS: Rain throughout the day and evening

Day -1

Day 0

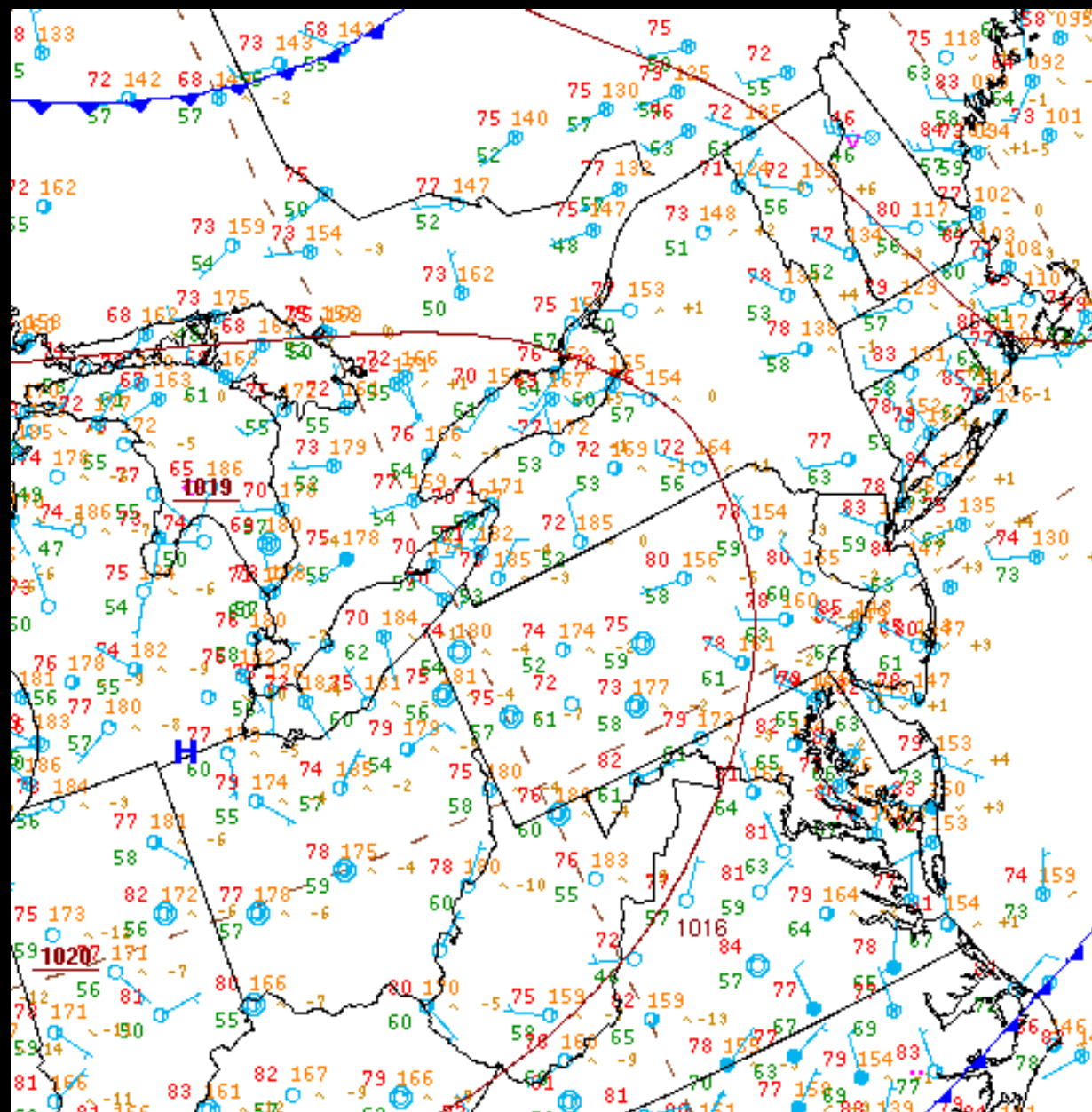
Day 1

Day 2

Day 3-5

Current Surface Analysis

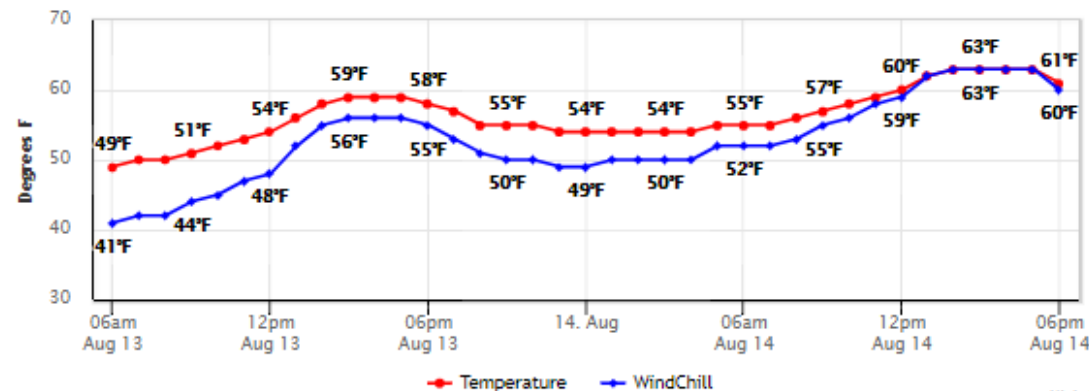
- Shown is the NOAA WPC surface analysis from 18z 8/ 13/2017
- You can see the area of high pressure making its way into the area



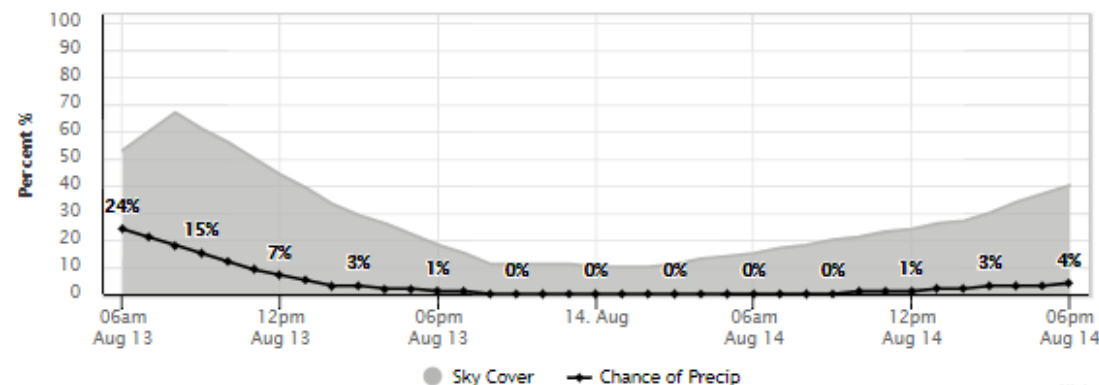
Summit forecast

- Shown is the NWS Burlington's summit forecast
- This forecast shows that there is very little chance for the summit to be socked in clouds tomorrow
- Additionally there is almost no chance for rain in this forecast

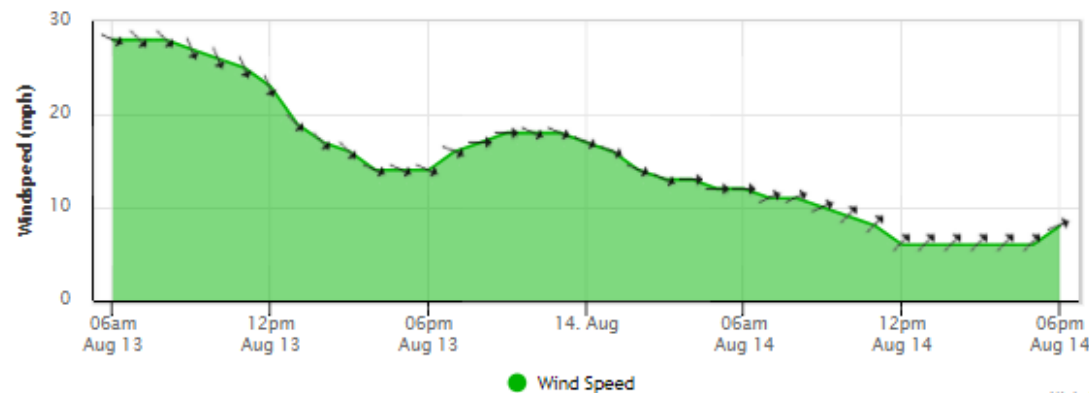
Temperature & Wind Chill Forecasts for Whiteface Mountain, NY at 4867'



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



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



Day -1

Day 0

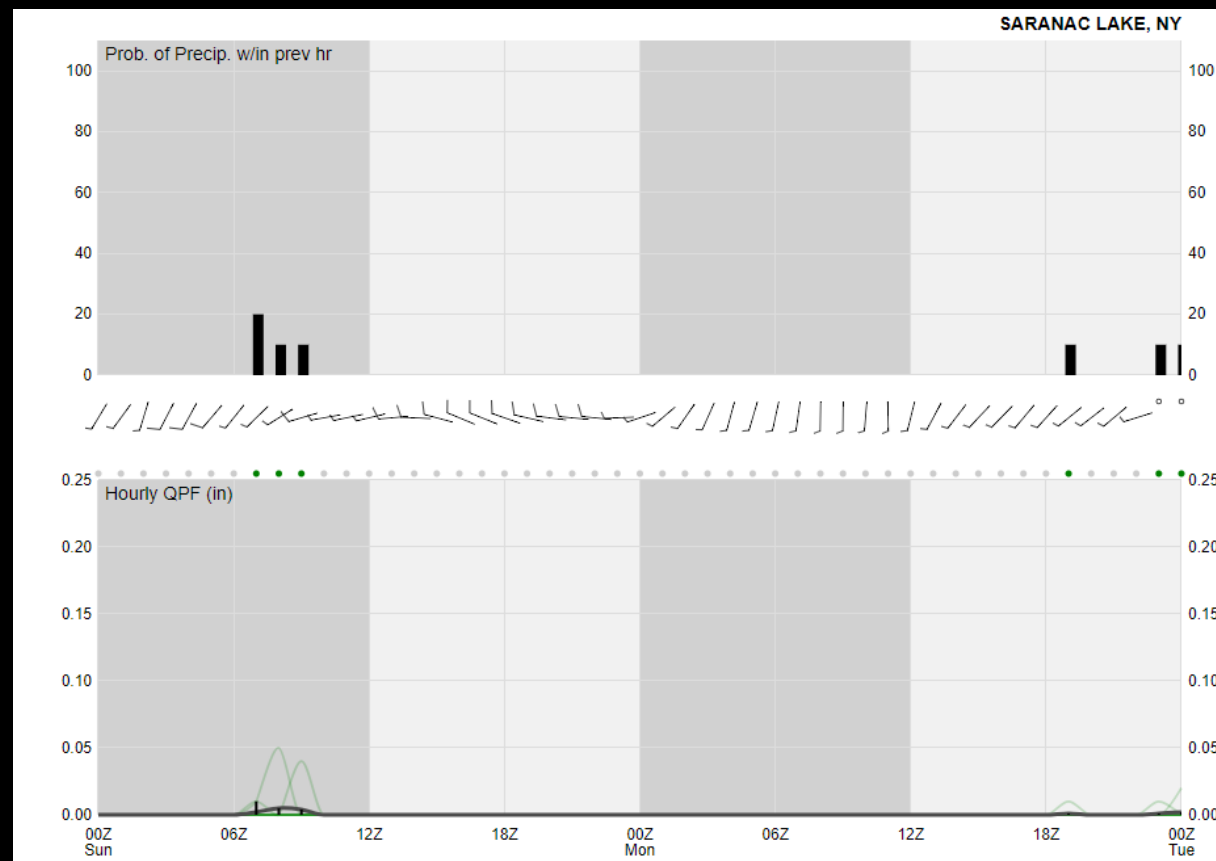
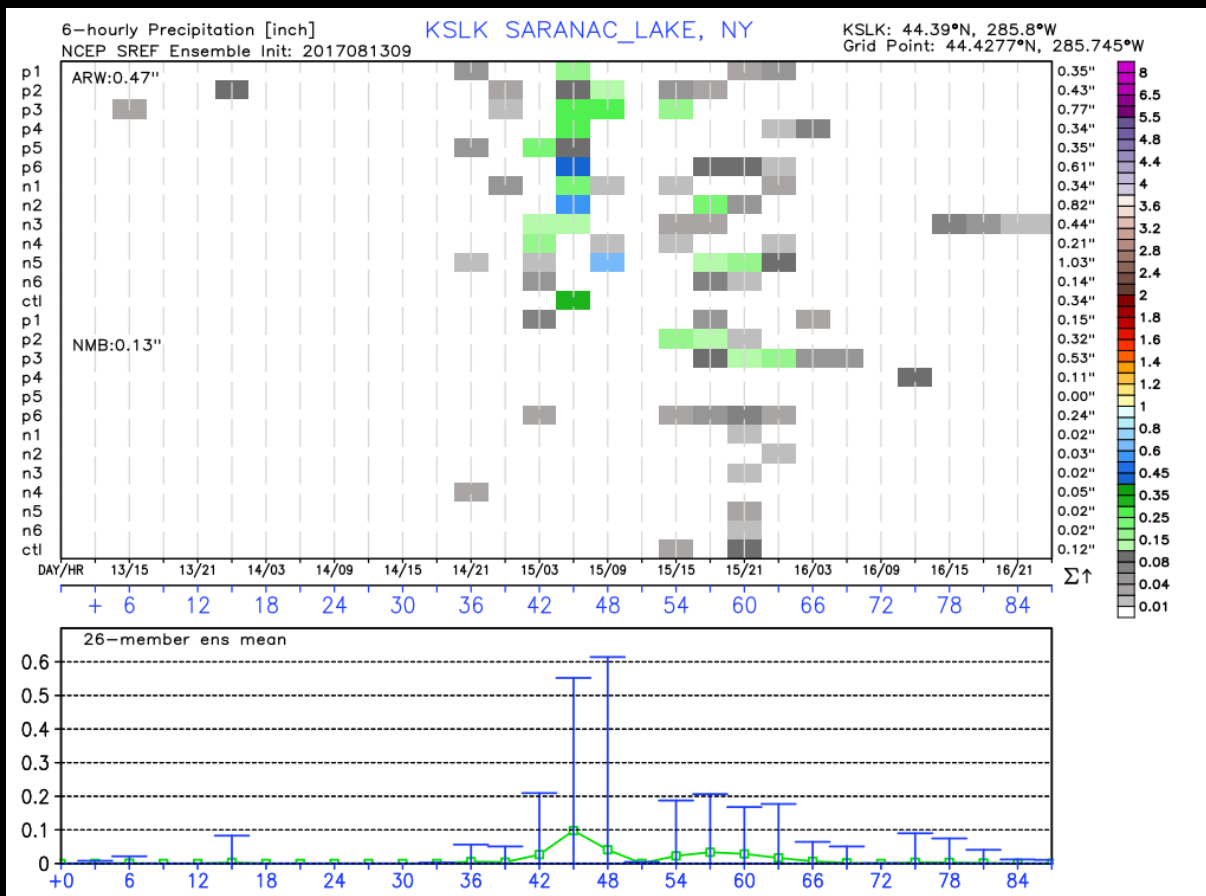
Day 1

Day 2

Day 3-5

Precip Meteograms

- Left: NCEP SREF 9z 8/13 run showing 6 hourly precip
- Right: NCAR ensemble 0z 8/13 run showing probability of precip and hourly QPF
- Both models indicate a chance of precip for tomorrow
- The SREF show the chances of precip in the evenings later in the week



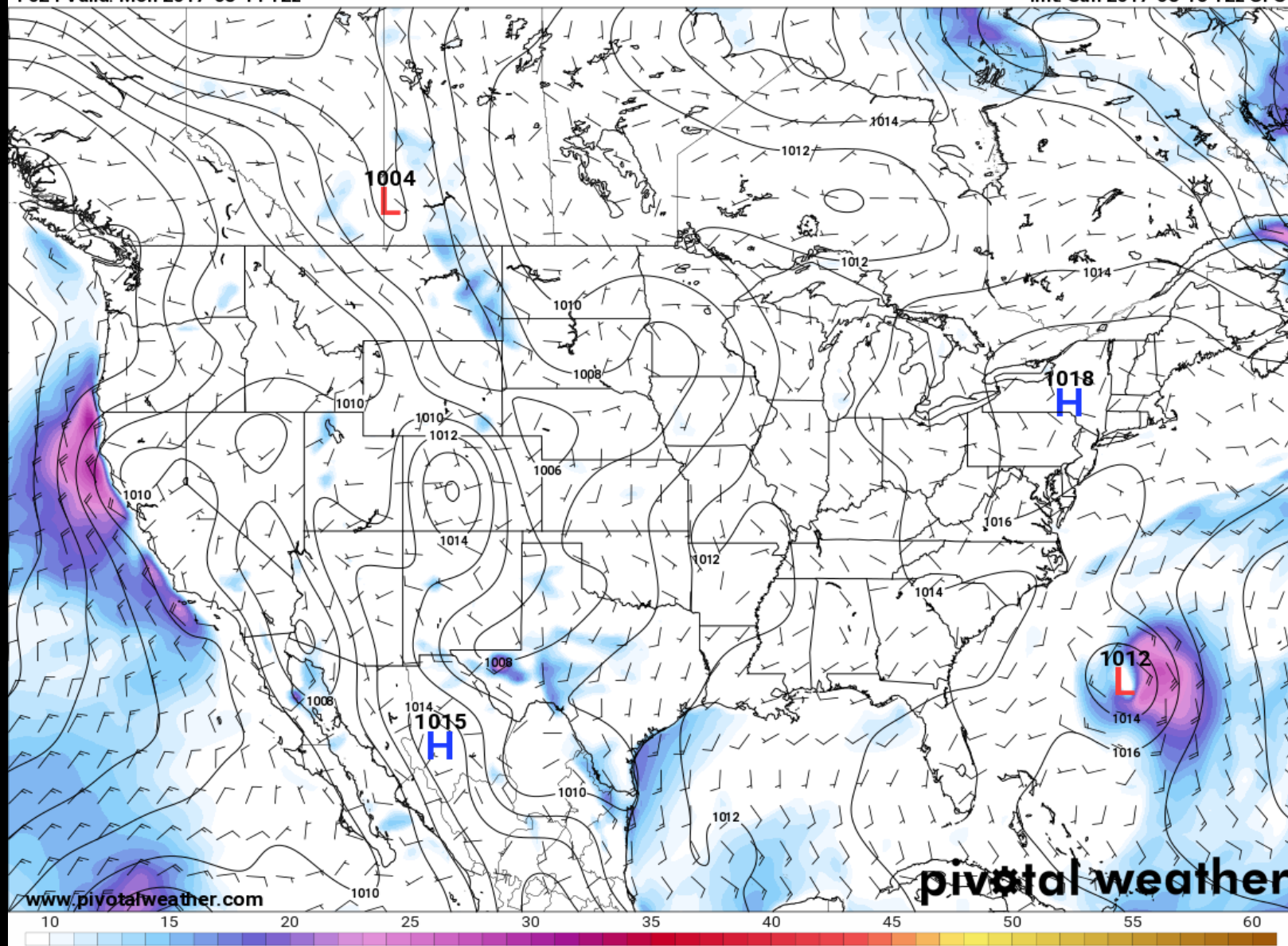
Synoptic Forcing

- Shown is the 12z GFS MSLP and 10m wind valid for 12z 8/14
- The region will be dominated by high pressure giving us clear and dry weather

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

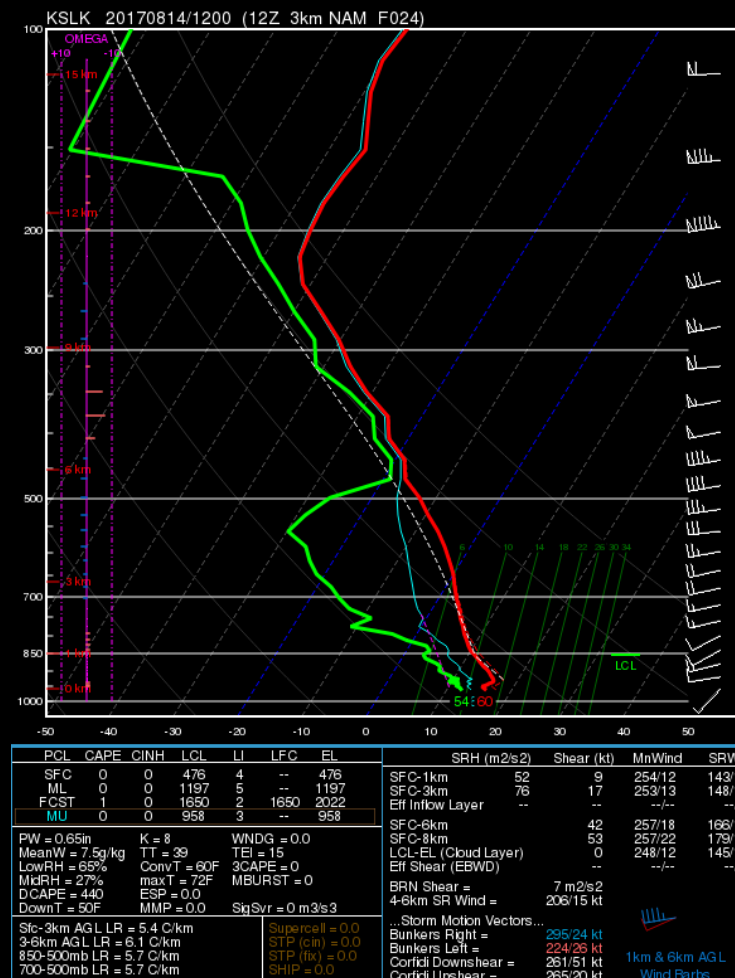
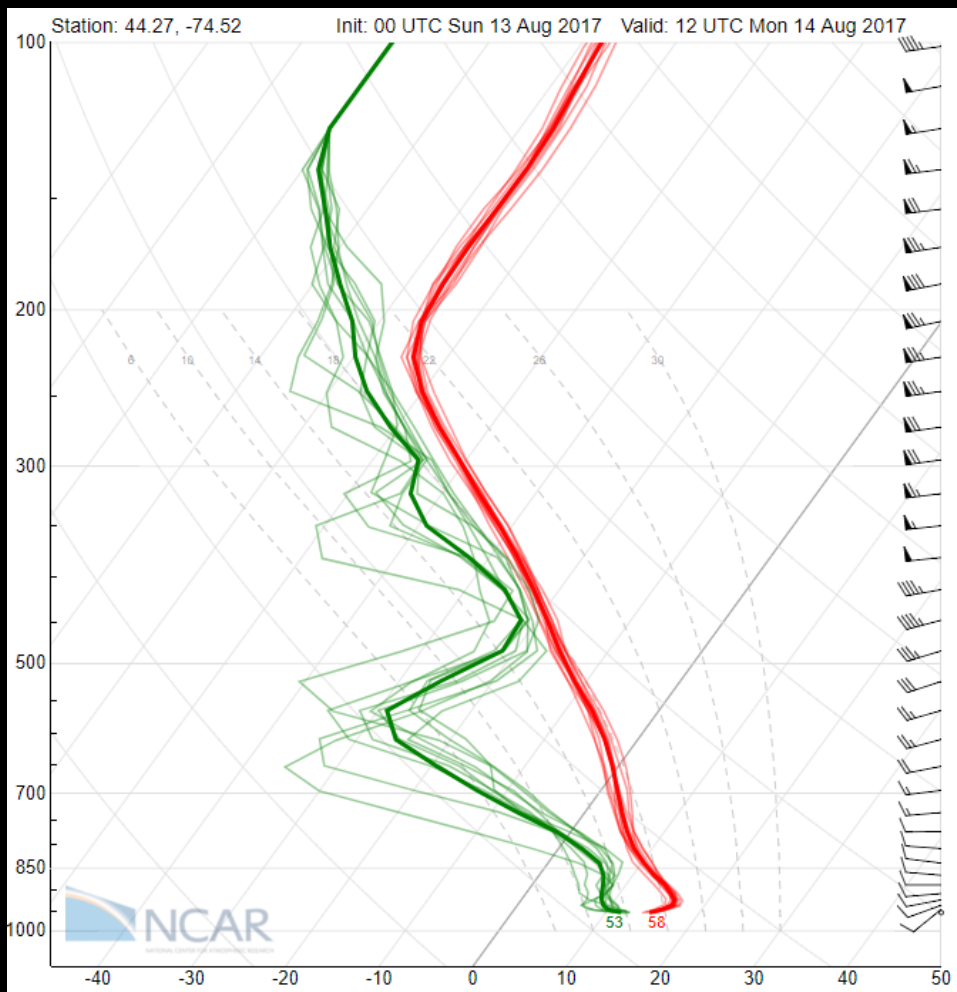
F024 Valid: Mon 2017-08-14 12z

Init Sun 2017-08-13 12z GFS



Synoptic Forcing

- Shown is the 8/13 12z 3km NAM sounding valid for 12z 8/14 and the 0z 8/13 NCAR ensemble sounding for 12z 8/14
- The LCL in both sounding is forecasted to be around the summit, however the capping inversion may prevent cloud from actually forming



Day -1

Day 0

Day 1

Day 2

Day 3-5

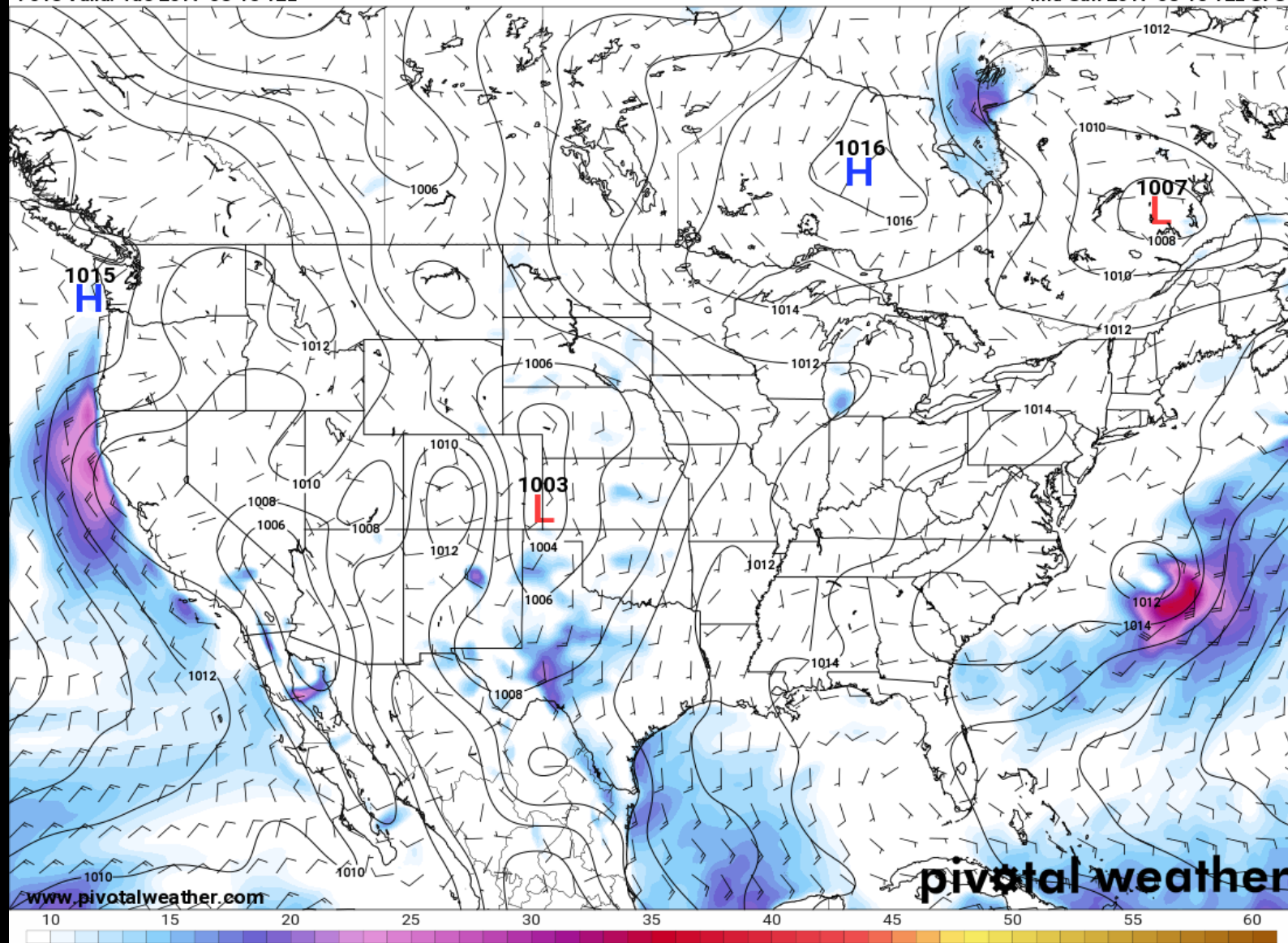
Synoptic Forcing

- Shown is the 12z 8/13 GFS MLSP and 10m winds for 12z 8/15
- The low pressure system to the north will create weak southerly flow
- The day will still likely be dry will isolated shower in the evening

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

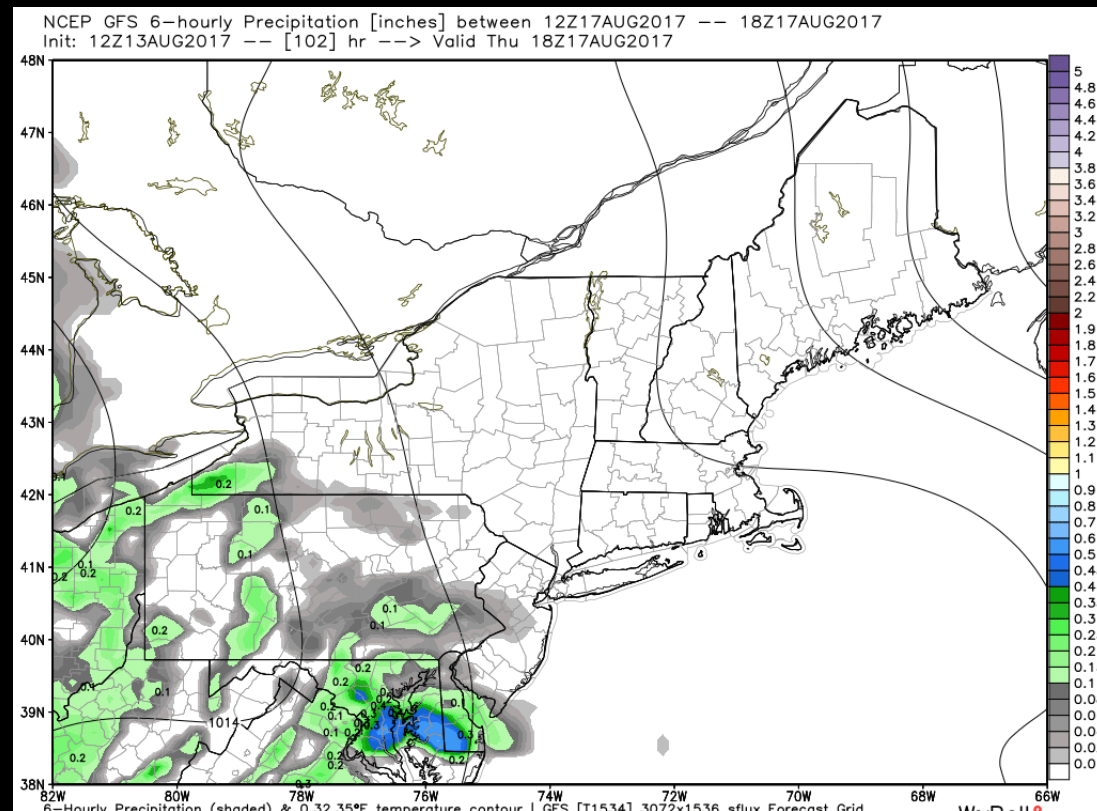
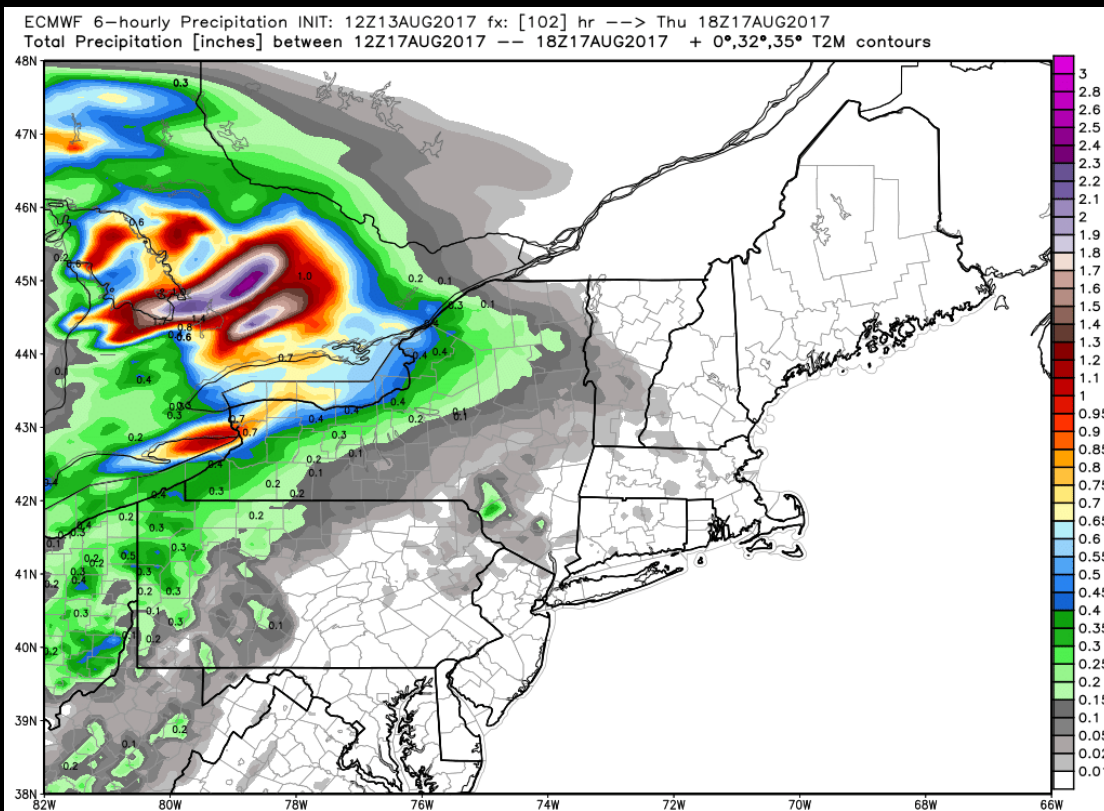
F048 Valid: Tue 2017-08-15 12z

Init Sun 2017-08-13 12z GFS



Synoptic Forcing

- Left: 12z 8/13 ECMWF run showing 6hr precip accumulation for 18z 8/17
- Right: 12z 8/13 GFS run showing 6hr precip accumulation and MSLP for 18z 8/17
- The Euro has the low pressure system and rain moving into the area much earlier than the GFS



Synoptic Forcing

- Left: 12z 8/13 ECMWF run showing 6hr precip accumulation for 18z 8/18
- Right: 12z 8/13 GFS run showing 6hr precip accumulation and MSLP for 18z 8/18
- The GFS is forecasting the rain to move into the area early Friday and linger through the day and into the evening
- The Euro has the precip leaving the area giving us a mostly dry day on Friday

