

Lake Enhanced Snow
29-30 January 2019
NWS Grand Rapids

<https://www.weather.gov/grr/summary20190131>

Frontogenetic Lake Enhancement and Eastward Extension of LES

29/09Z - 30/02Z
Jan 2019

Lake modified air



Strong cold/dry advection



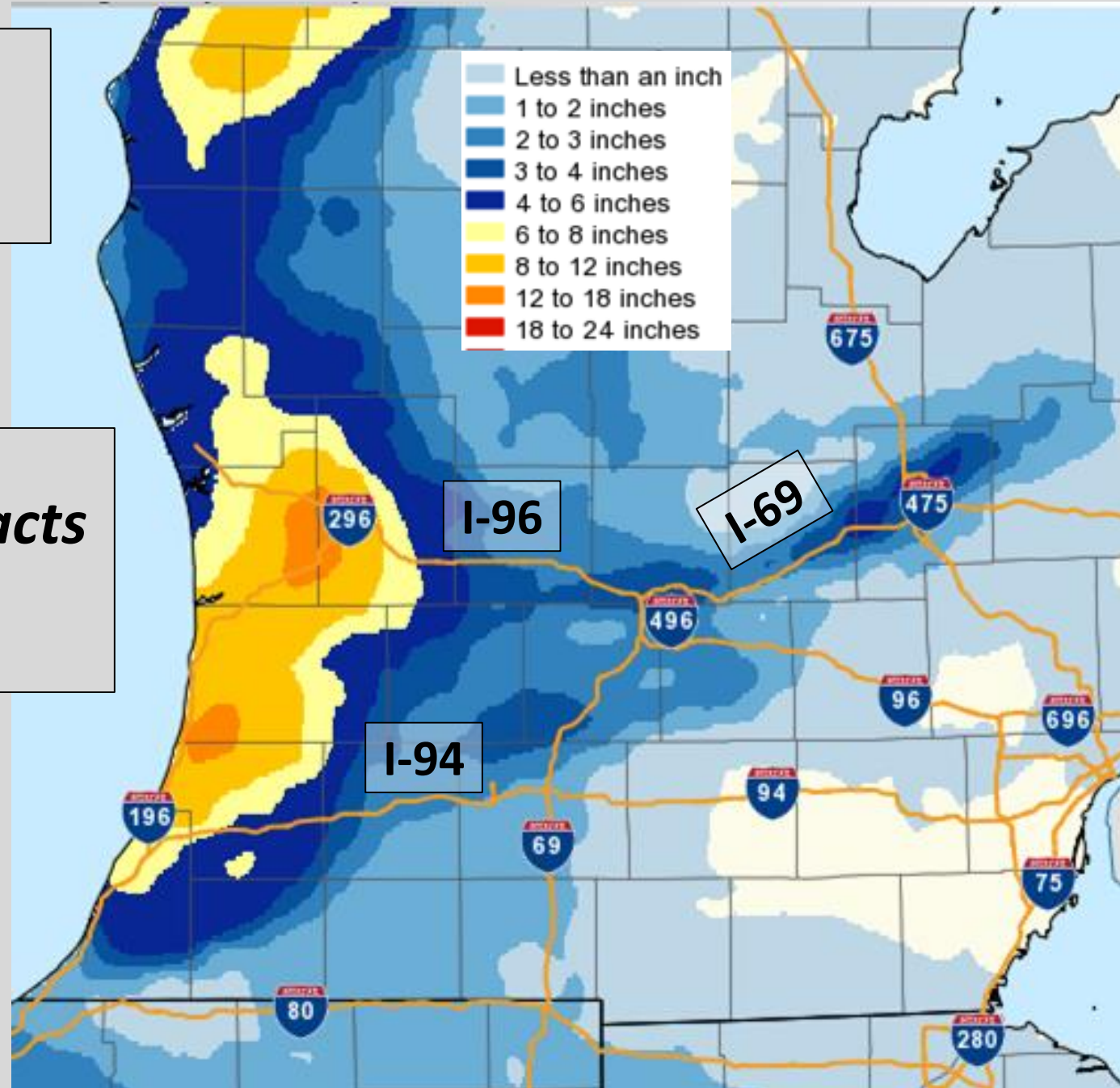
Fgen

Radar
Theta-e

72 Hour Observed Snow

1/29/19 12Z to 2/01/19 12Z

*Major visibility and icing impacts
Interstates 94, 96, 69*



KGRR radar

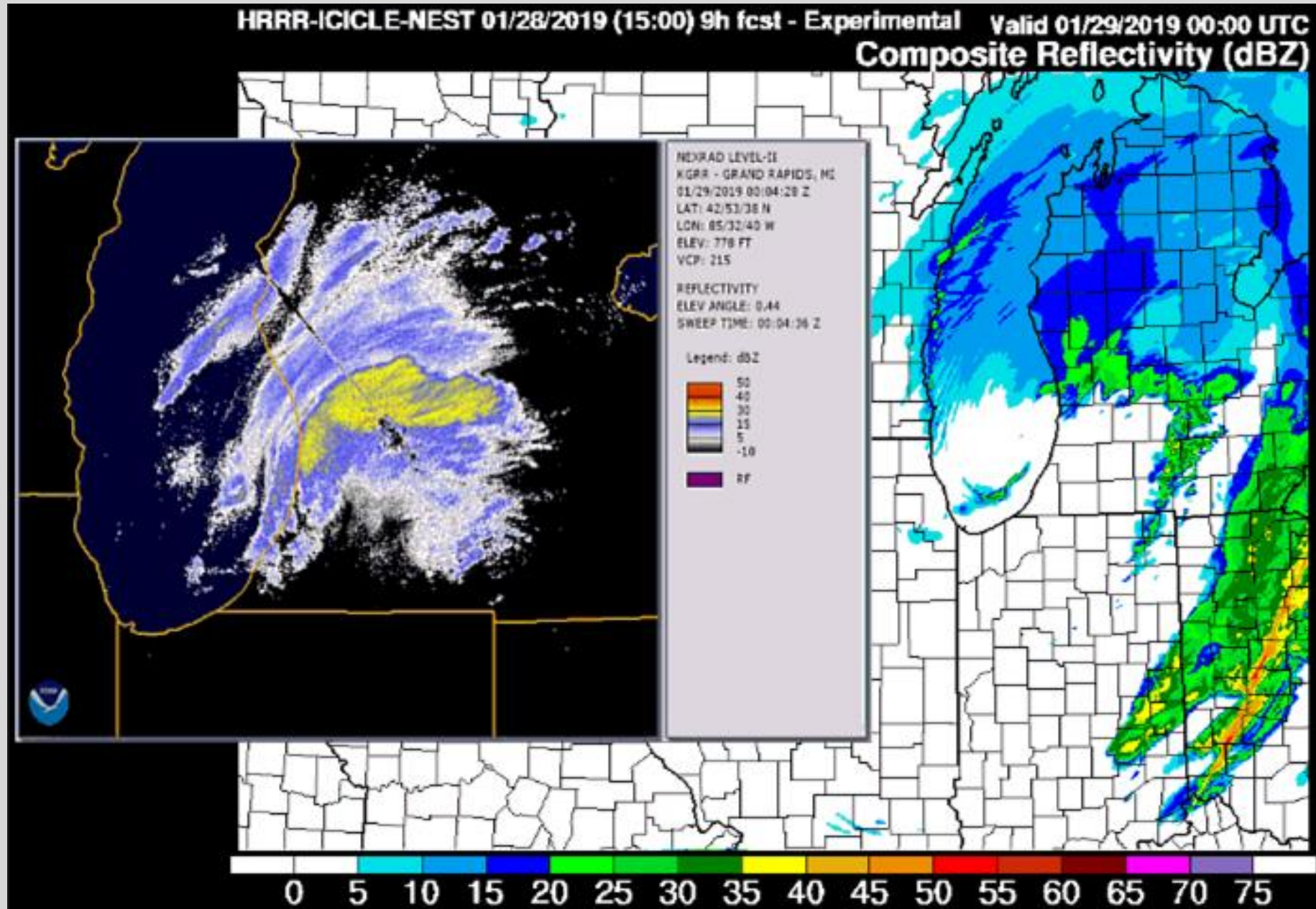
1/29/19 00Z - 1/31/19 00Z

HRRR Icycle Nest

1/28/19 15Z

1/29/19 15Z

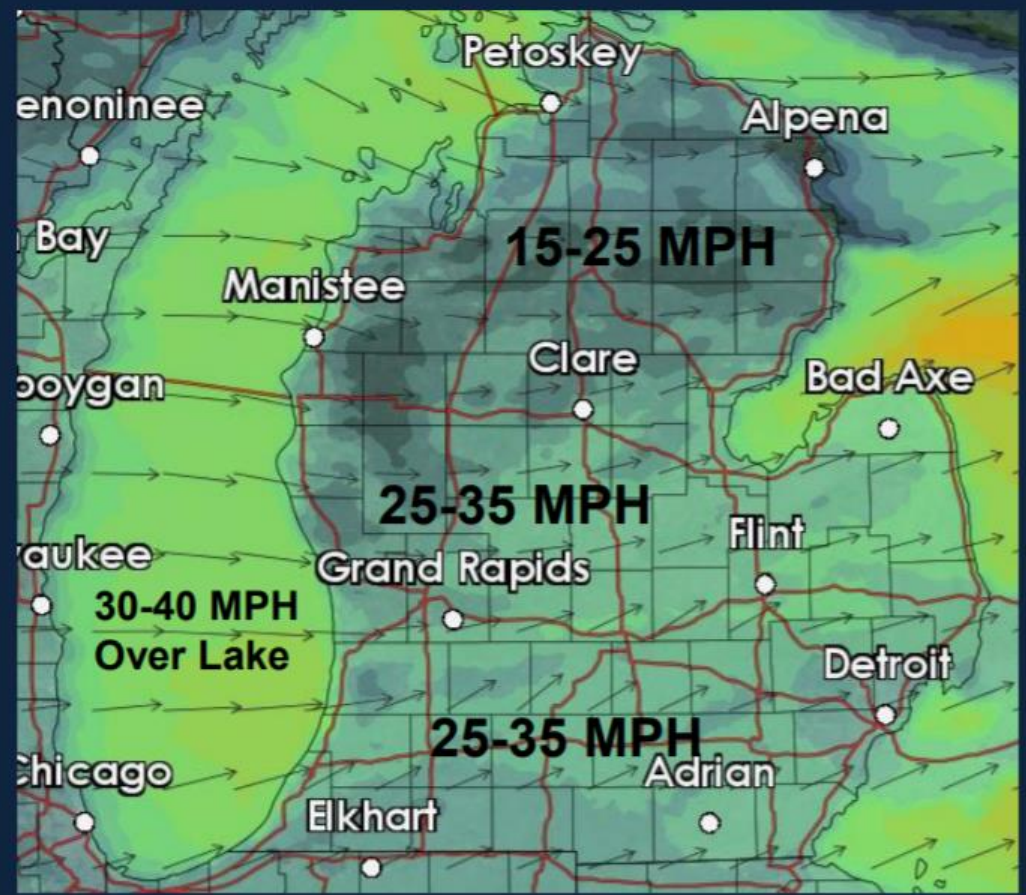
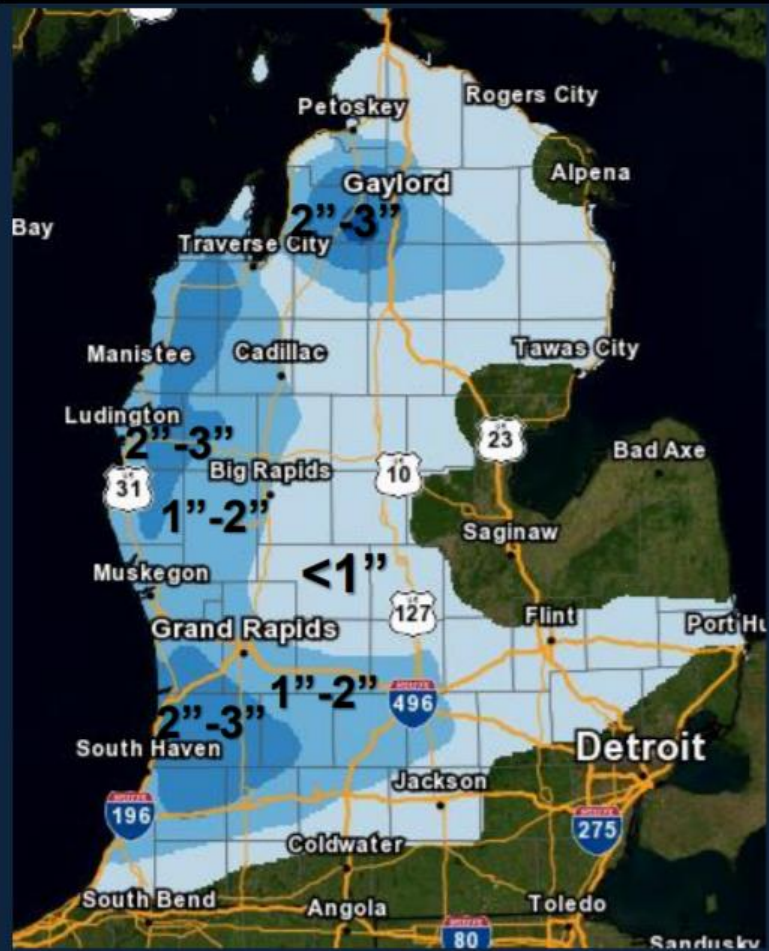
Model sometimes captures eastward extent





Snow Accumulations and Wind Forecast: This Afternoon & Evening

Today, January 30, 2019



National Weather Service
Grand Rapids, Michigan

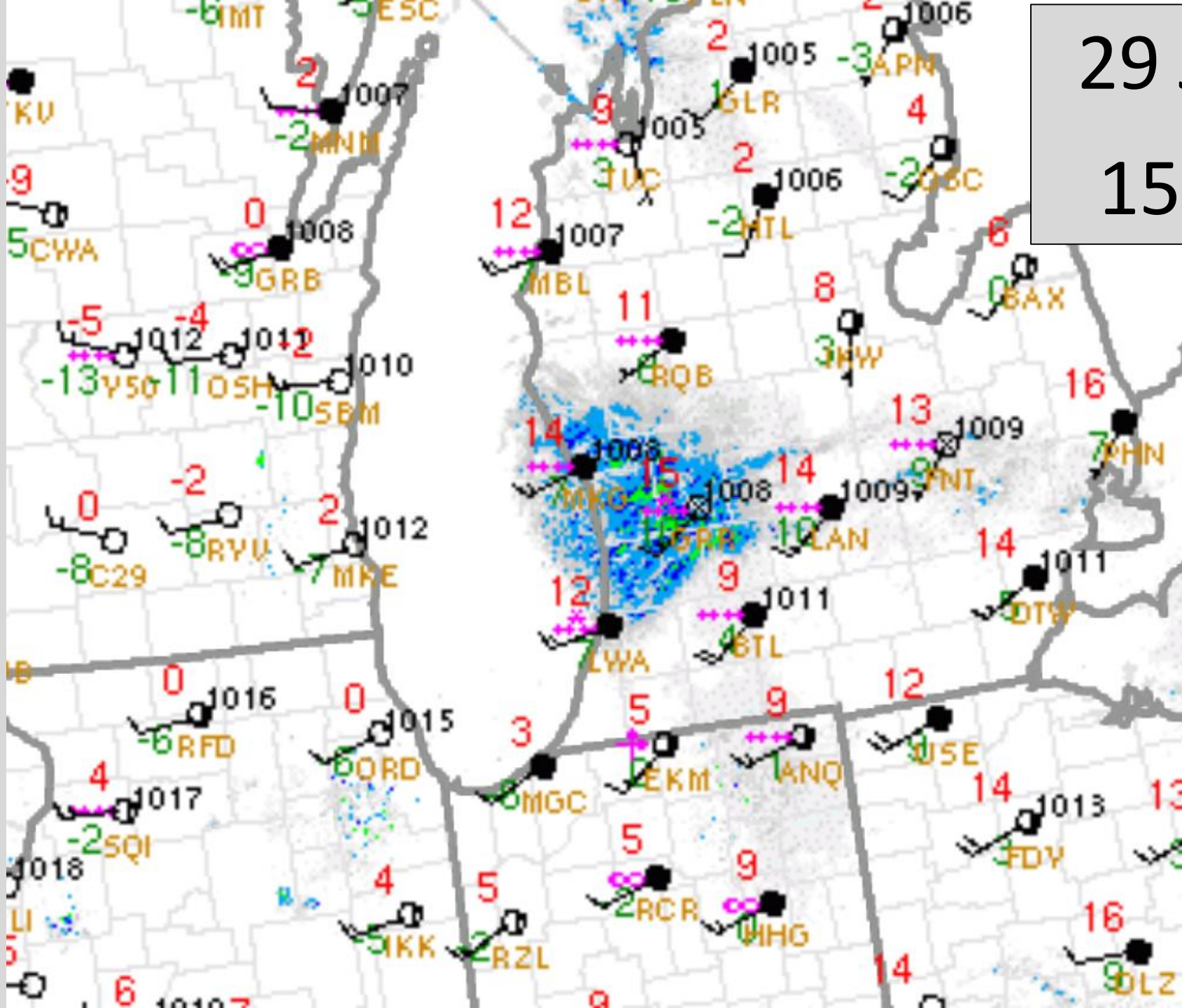
Weather.gov/GrandRapids

Slide from Jan 30 partner briefing
Full presentation: <https://goo.gl/fiKiHs>

Surface Observations and Radar
01/29/19-15Z to 1/30/19-00Z

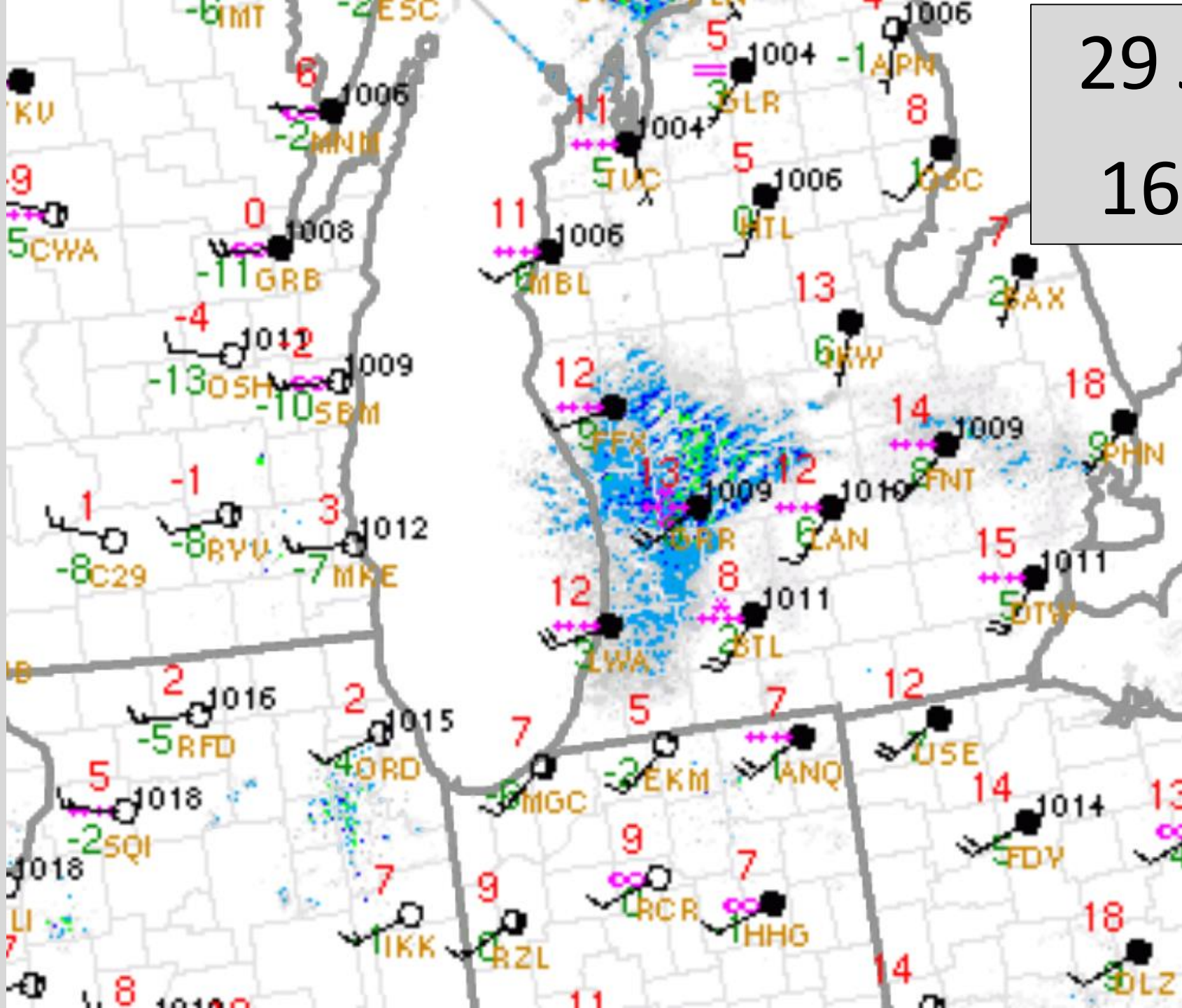
29 Jan 2019

1500 UTC



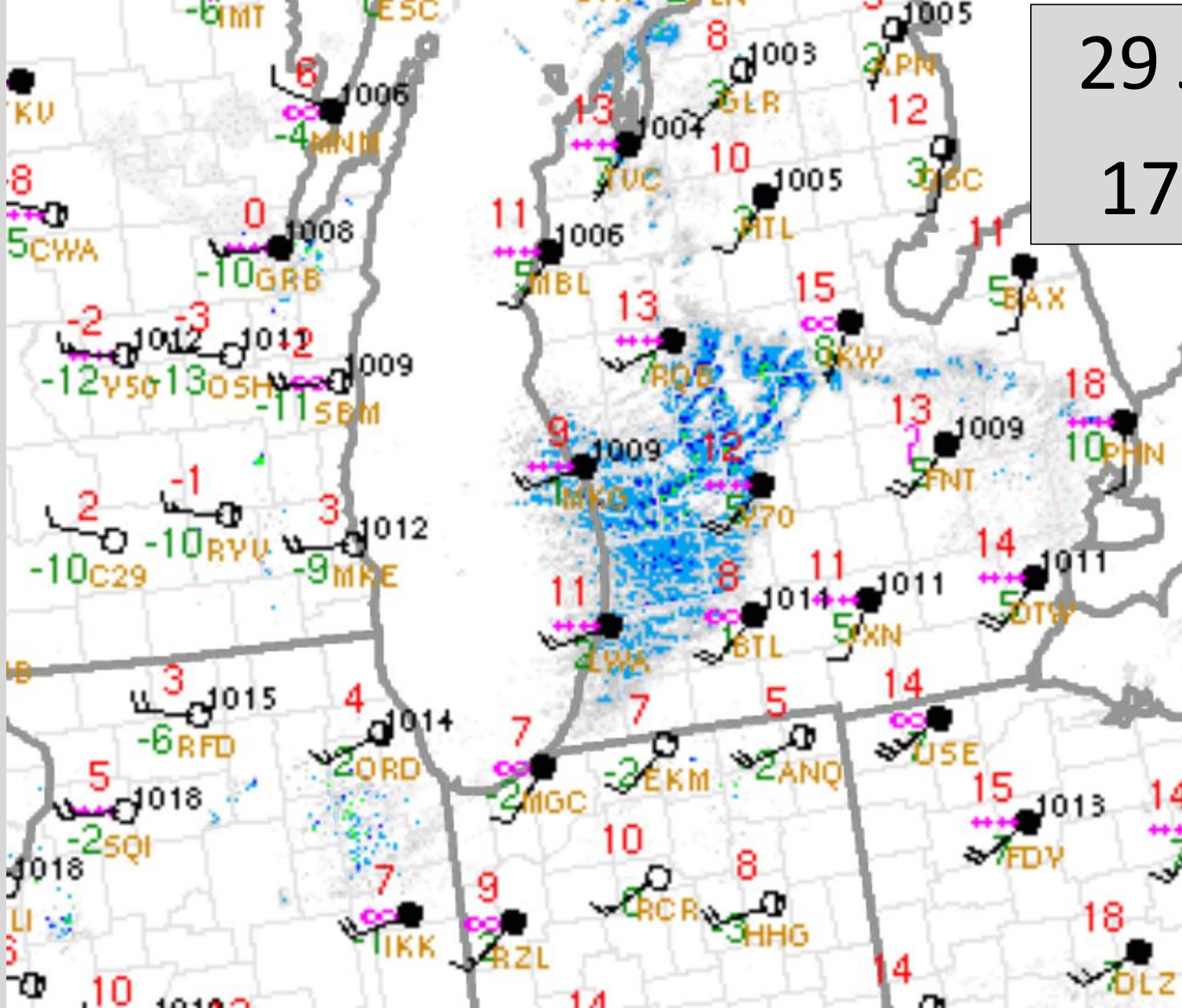
29 Jan 2019

1600 UTC

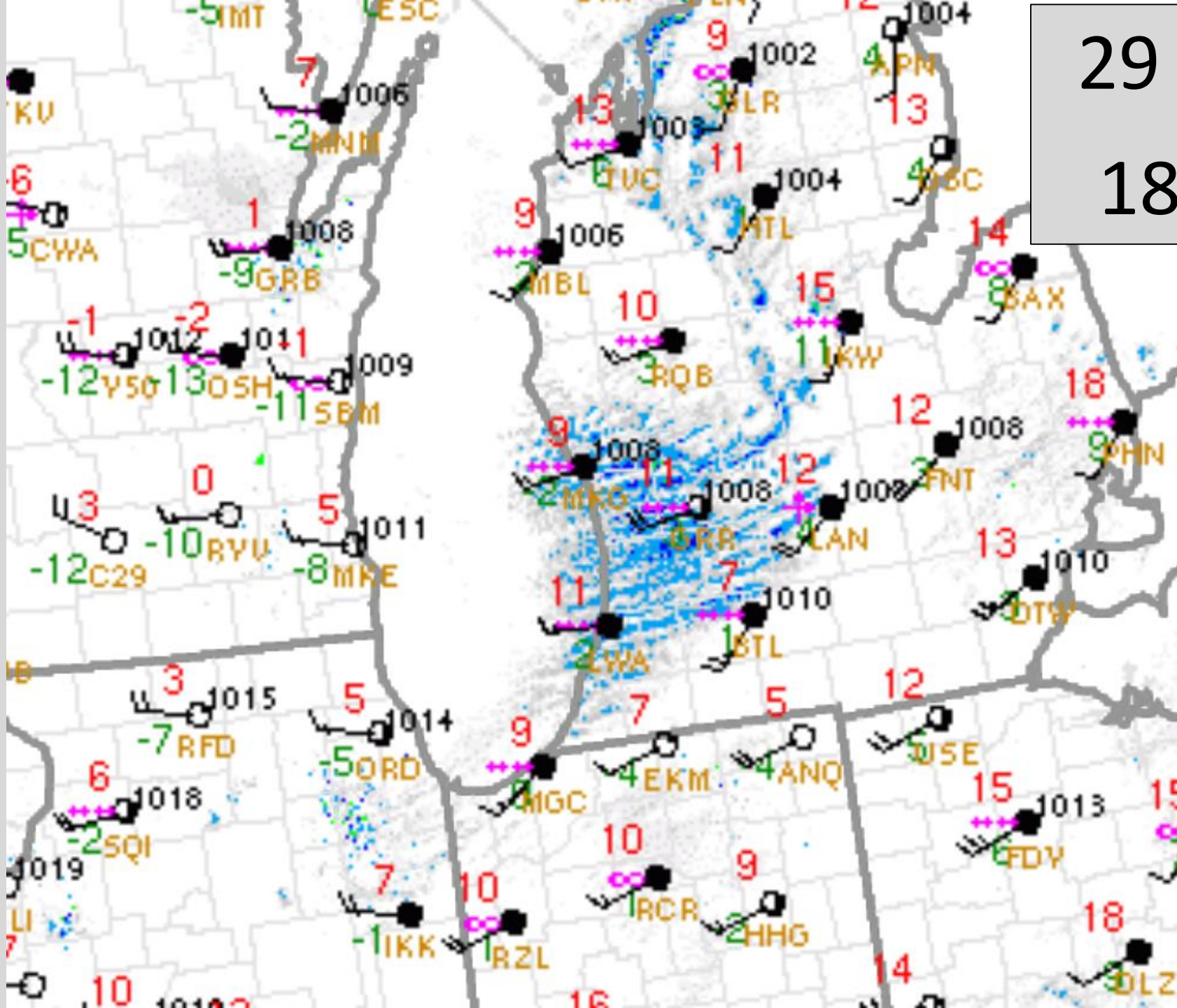


29 Jan 2019

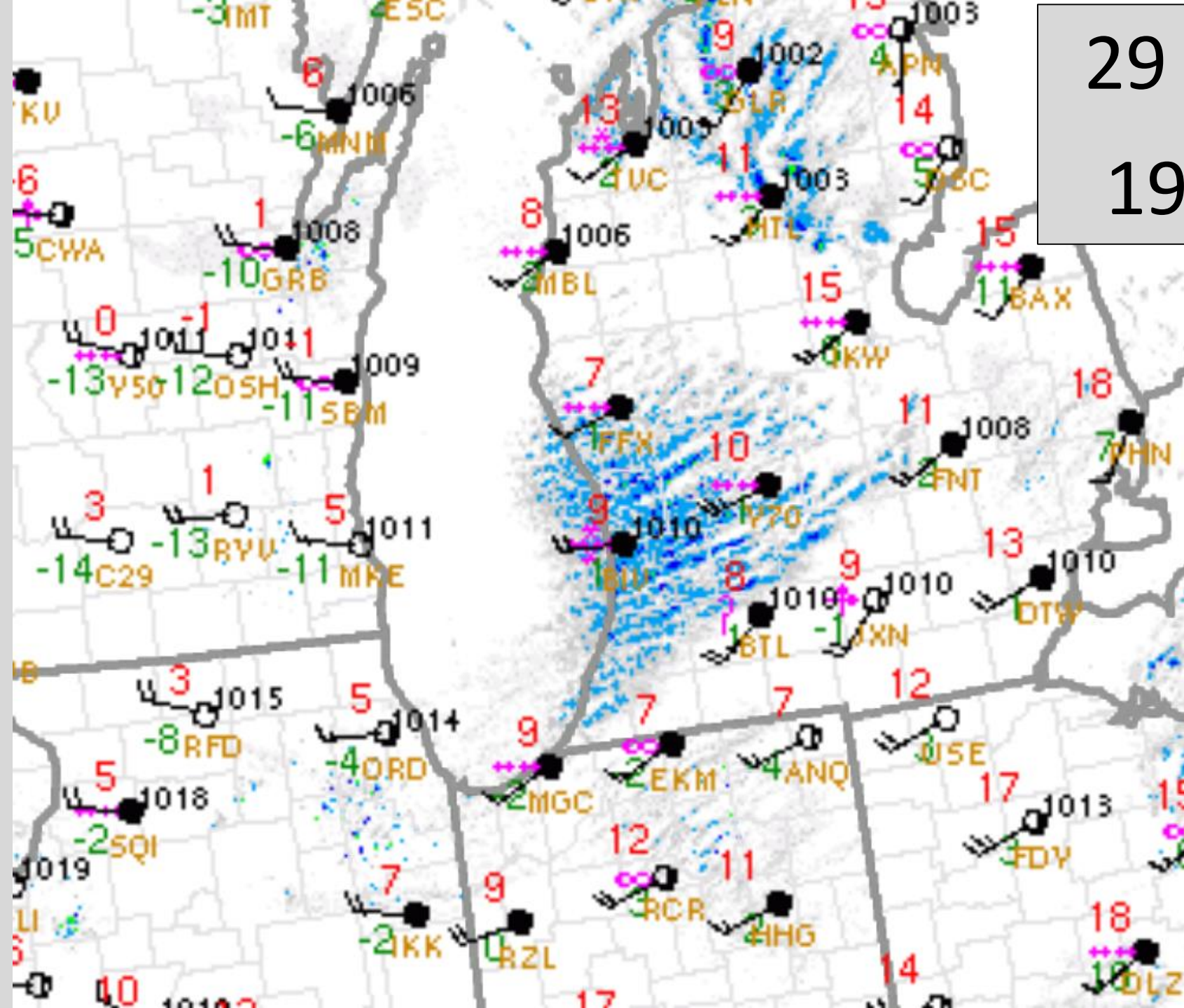
1700 UTC



29 Jan 2019
1800 UTC

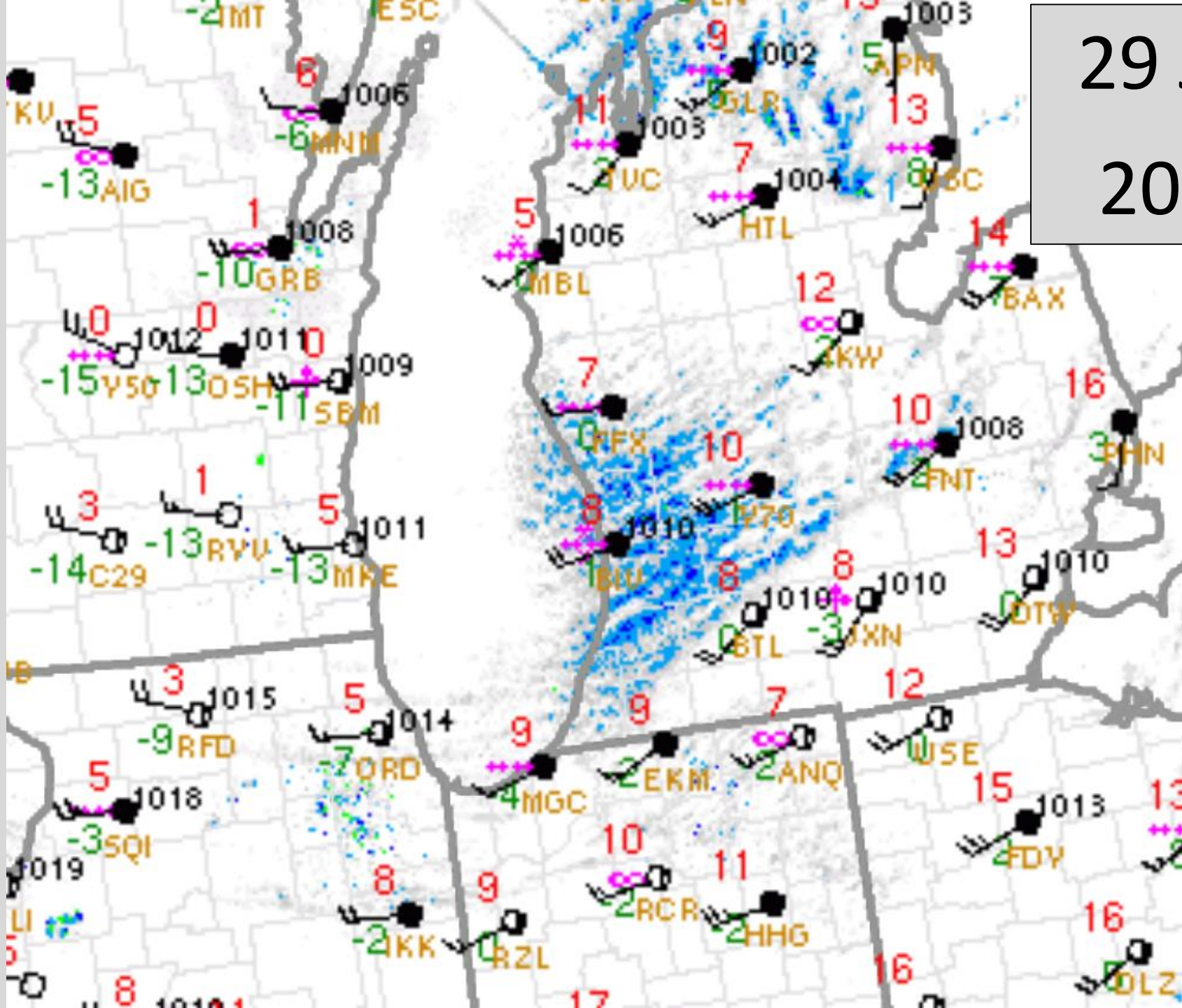


29 Jan 2019
1900 UTC



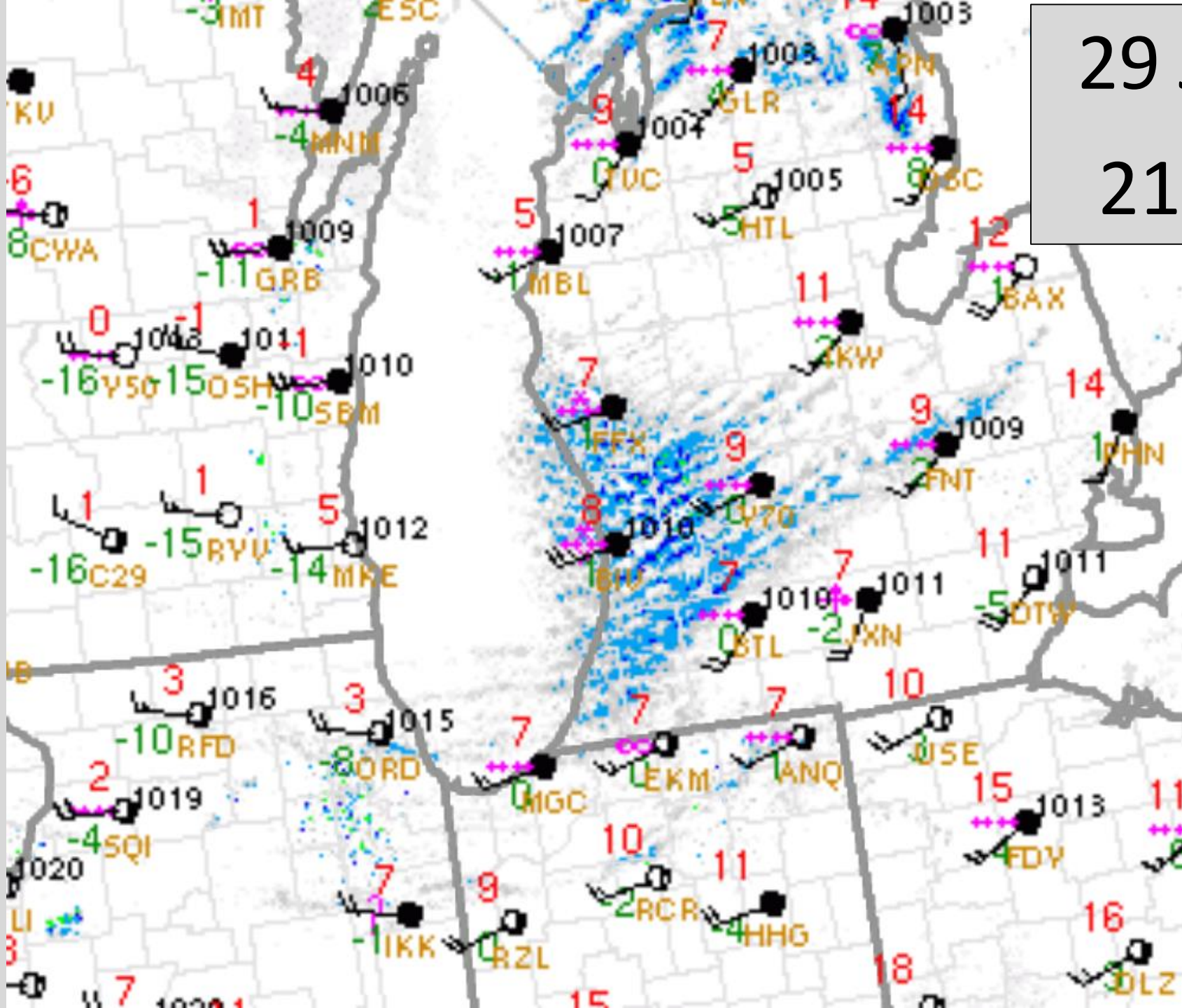
29 Jan 2019

2000 UTC



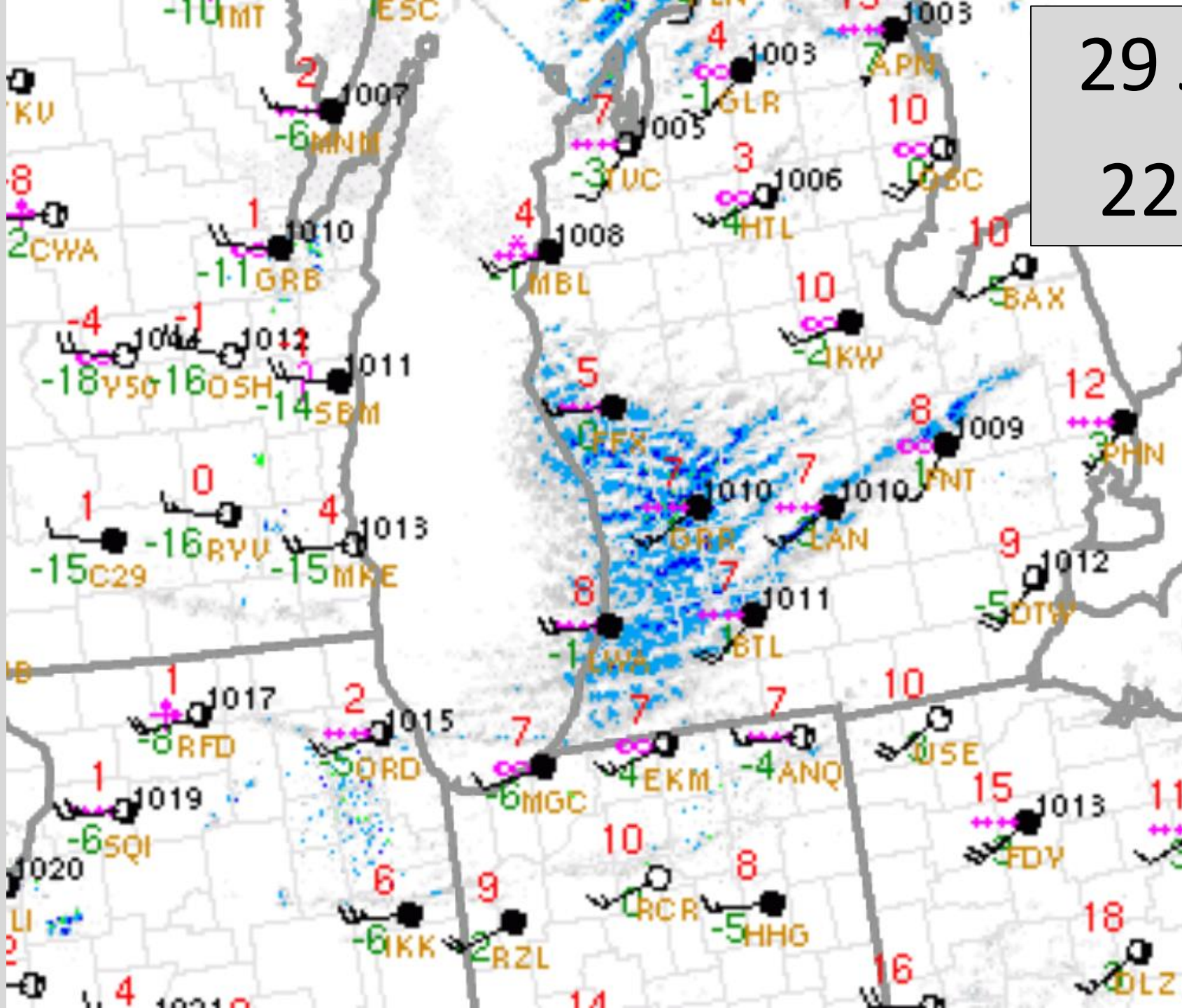
29 Jan 2019

2100 UTC



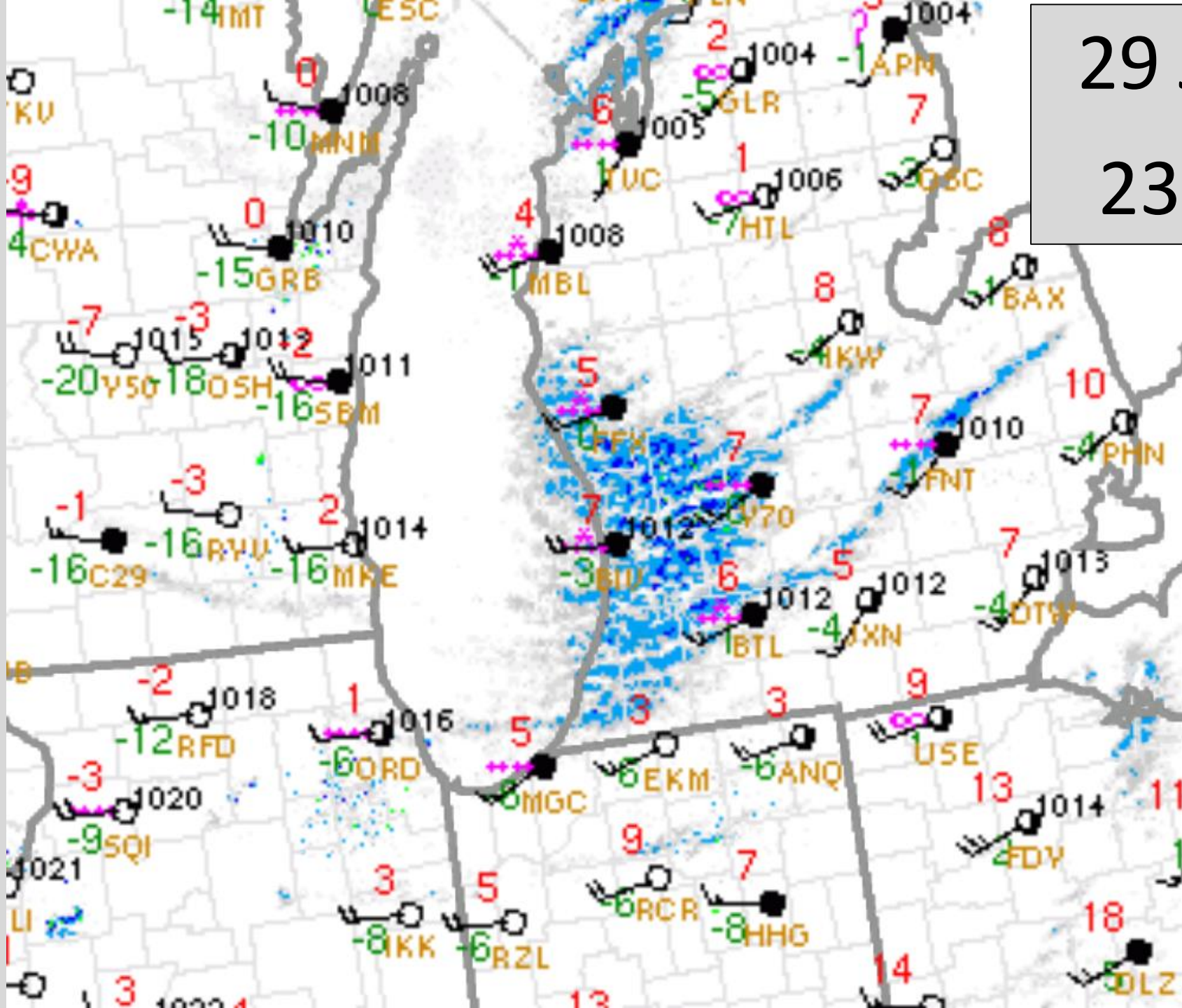
29 Jan 2019

2200 UTC



29 Jan 2019

2300 UTC



30 Jan 2019
0000 UTC

