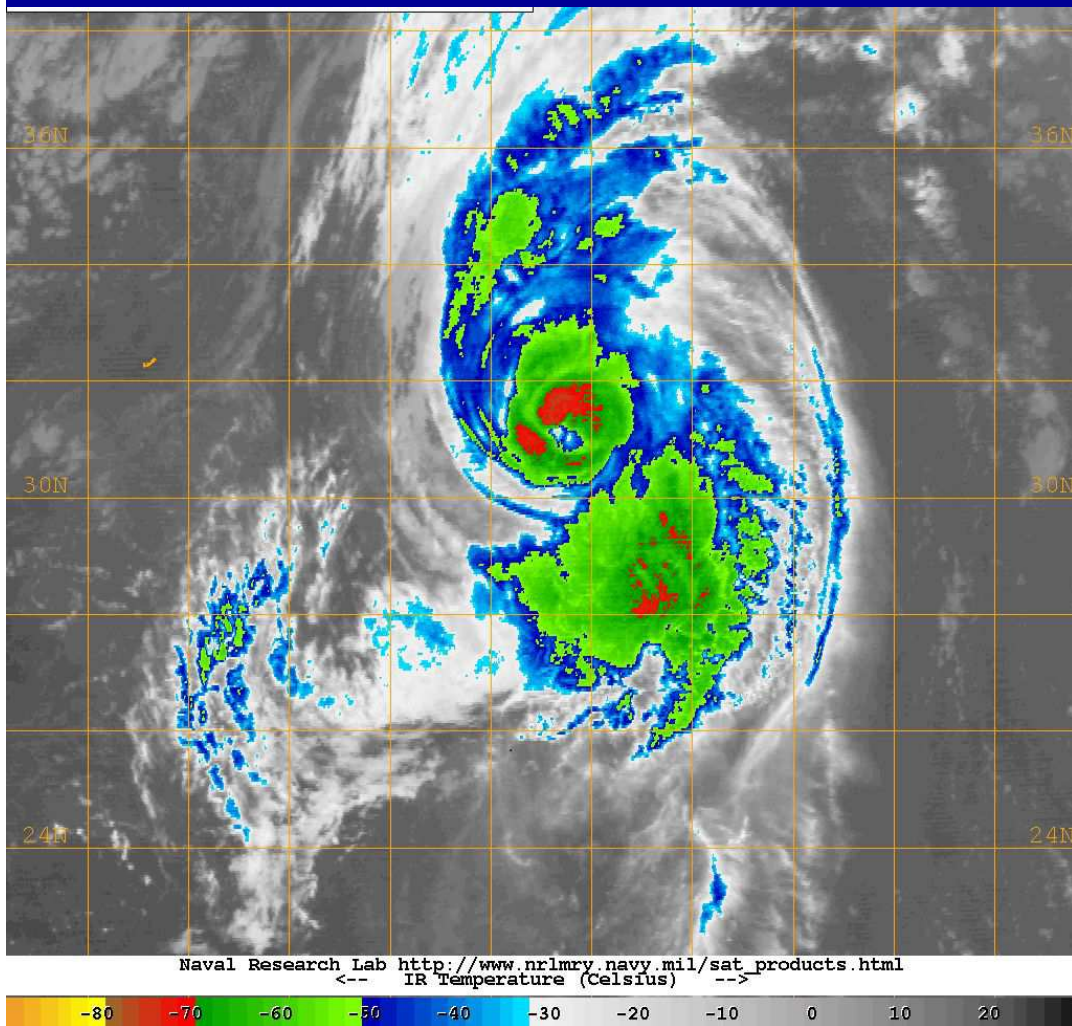
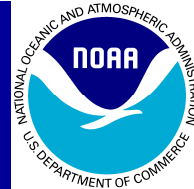




Initial Situation

00 UTC 22nd



NHC Operational Analysis

03 UTC 22nd

Location: 31.8°N 56.3°W

Intensity: 75 kt

Central Pressure: 970 mb

Movement: NNE 12 kt

Structure

64 KT..... 35NE 35SE 30SW 30NW

50 KT..... 70NE 90SE 60SW 60NW

34 KT.....180NE 200SE 200SW 175NW

12 FT SEAS..400NE 300SE 350SW 350NW

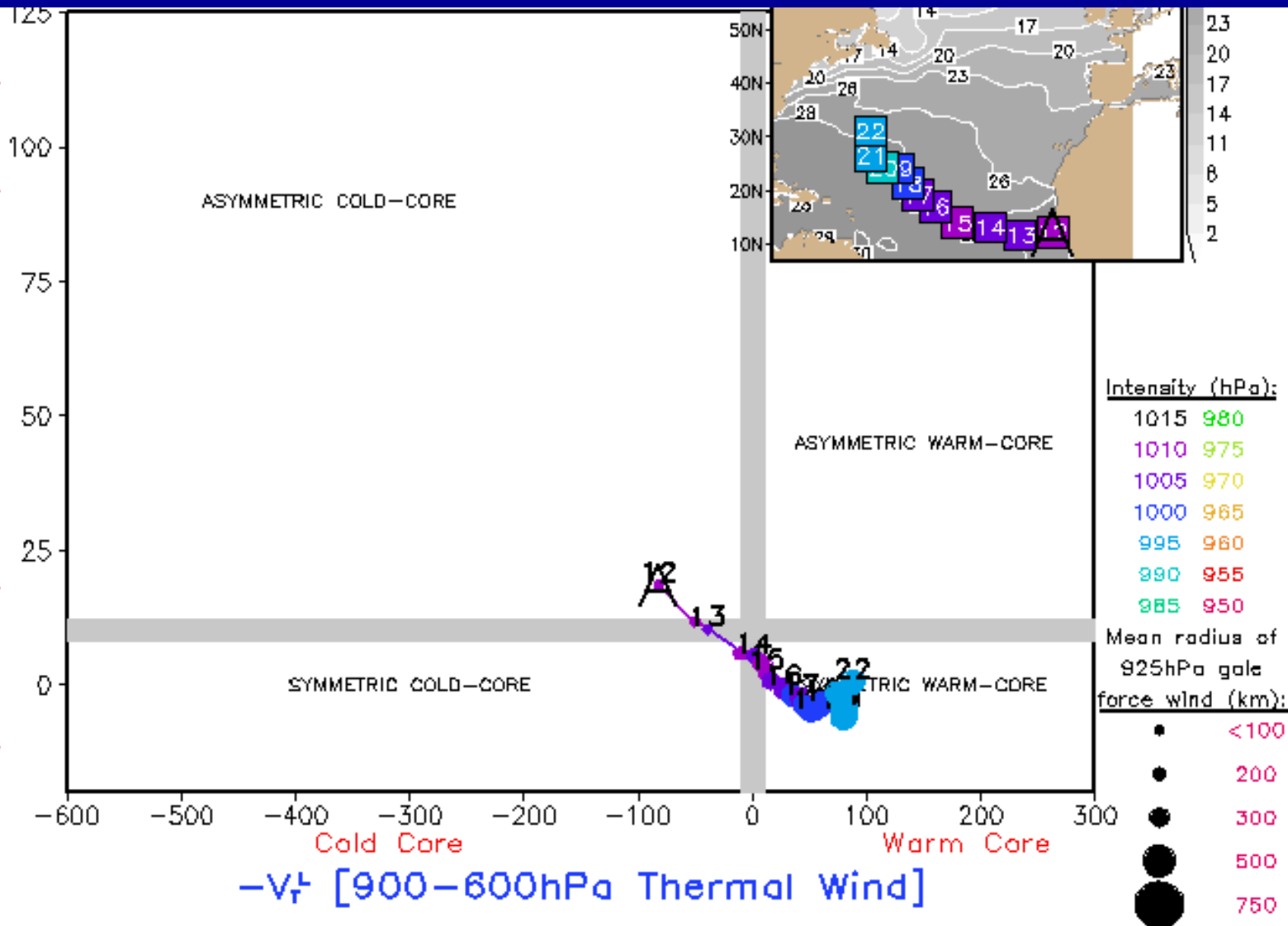


Phase Space Diagram 1

UKMET Analysis through 00 UTC 22nd

B [900–600hPa Storm–Relative Thickness Symmetric (Nonfrontal)]

Asymmetric (Frontal)
Symmetric (Nonfrontal)





Current Status



- How would you describe the cyclone at this point based on the phase space analysis?

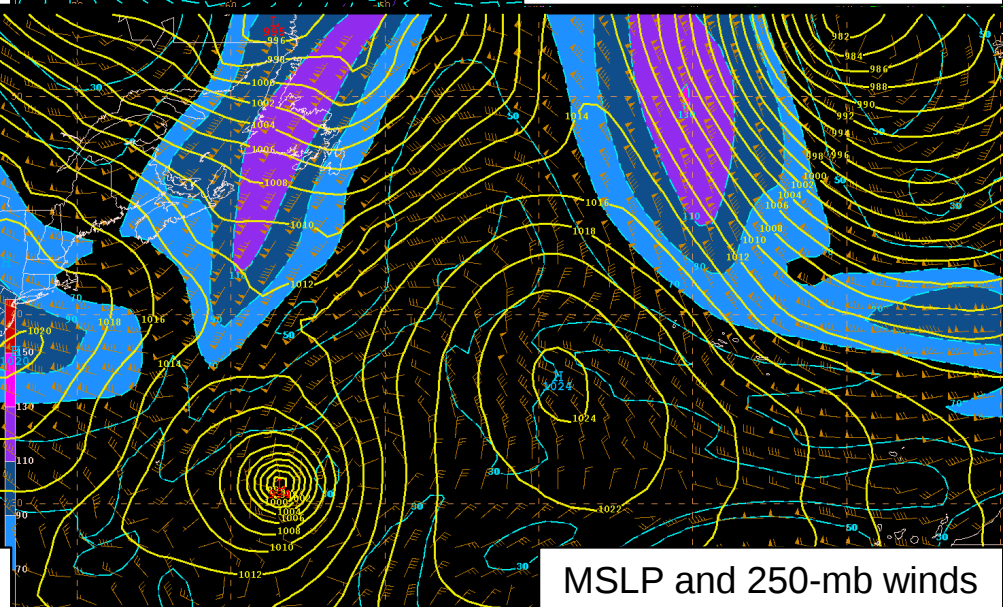
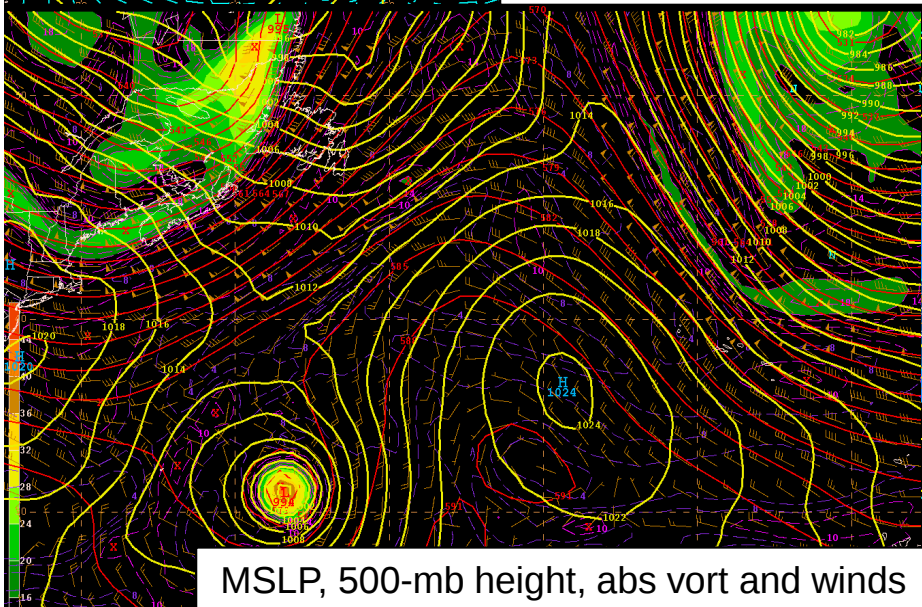
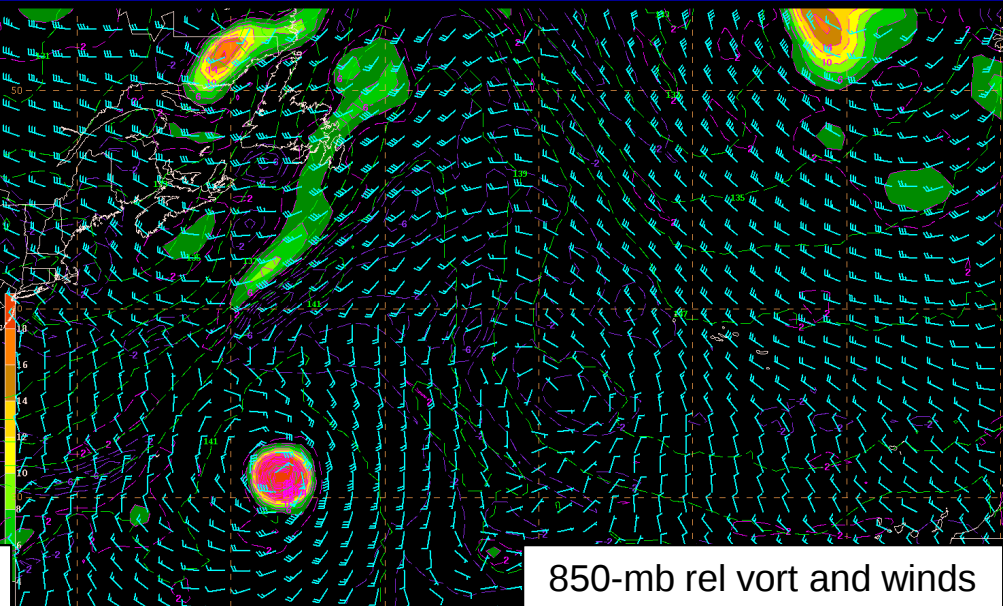
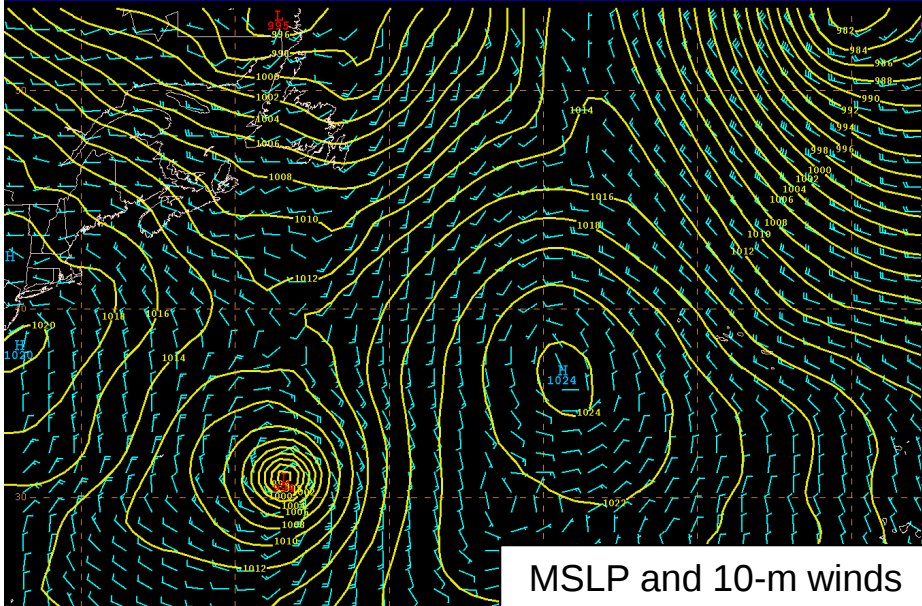


UKMET Model Forecasts

Model Initialized at 00 UTC 22nd

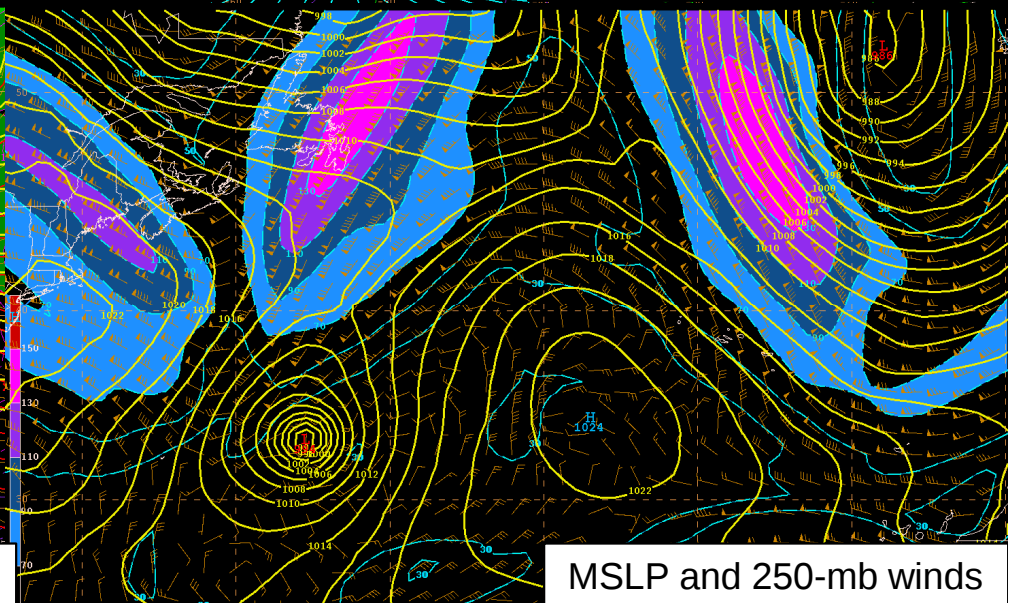
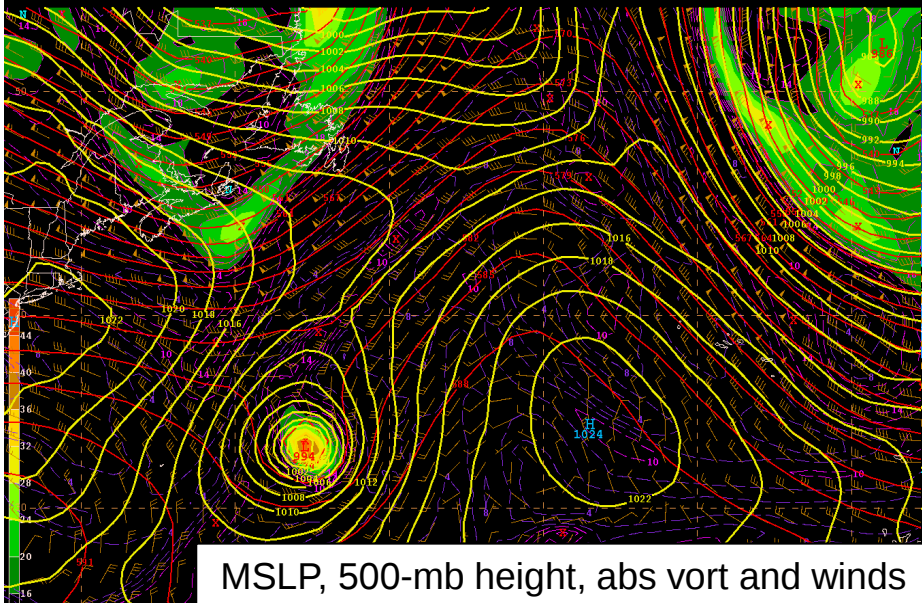
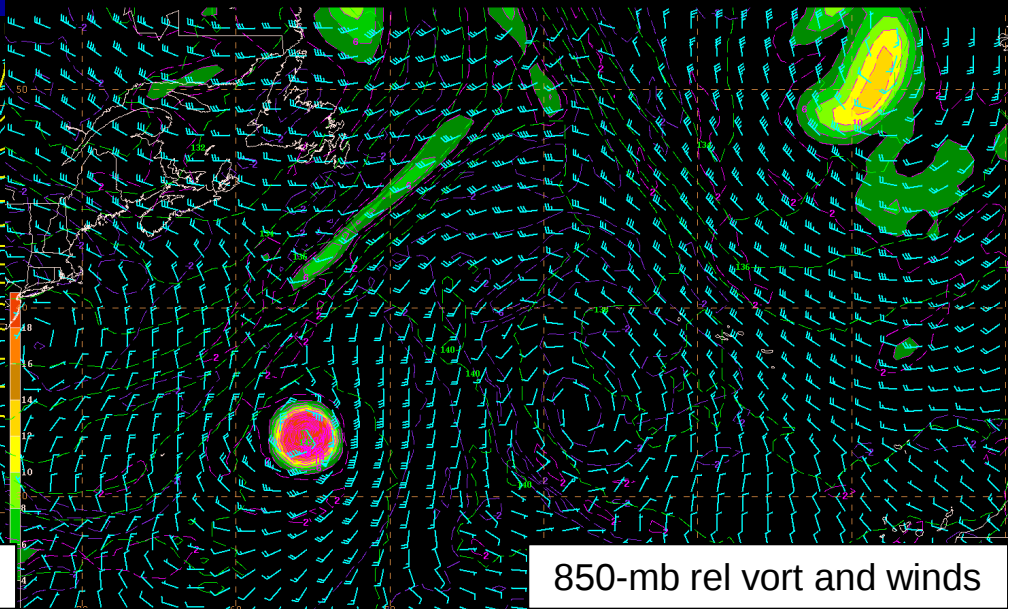
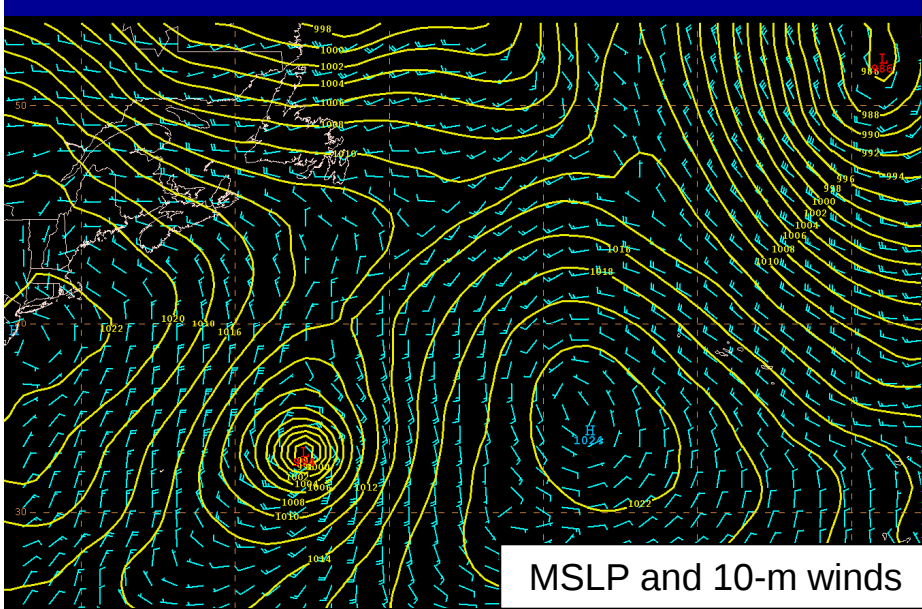


Analysis Valid at 00 UTC 22nd



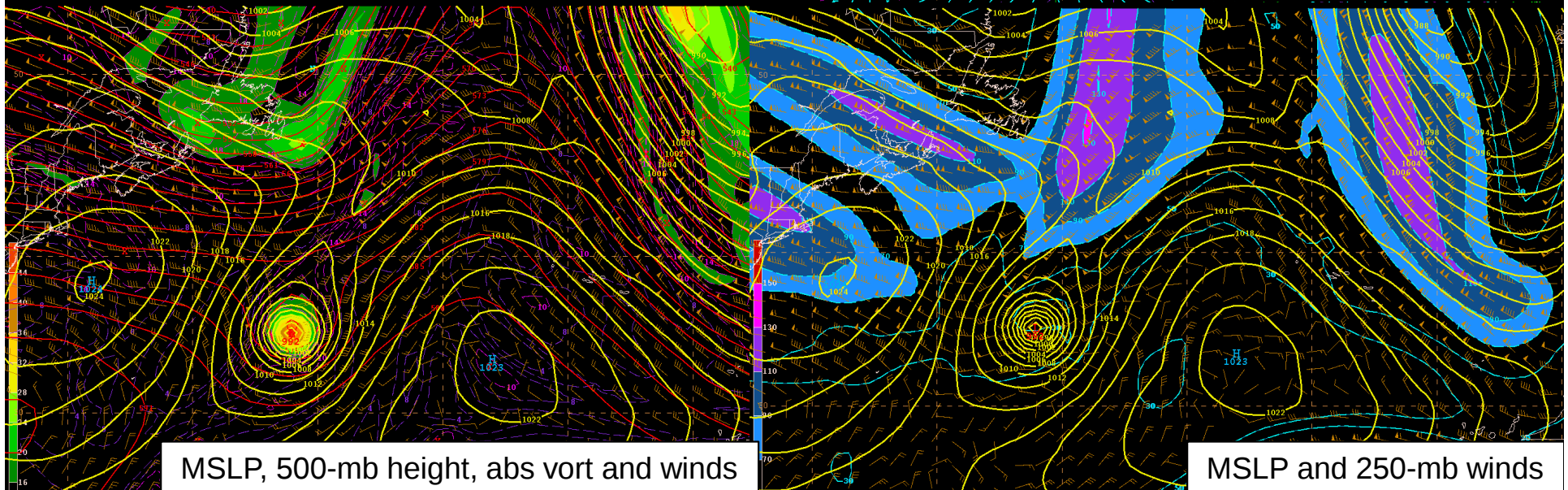
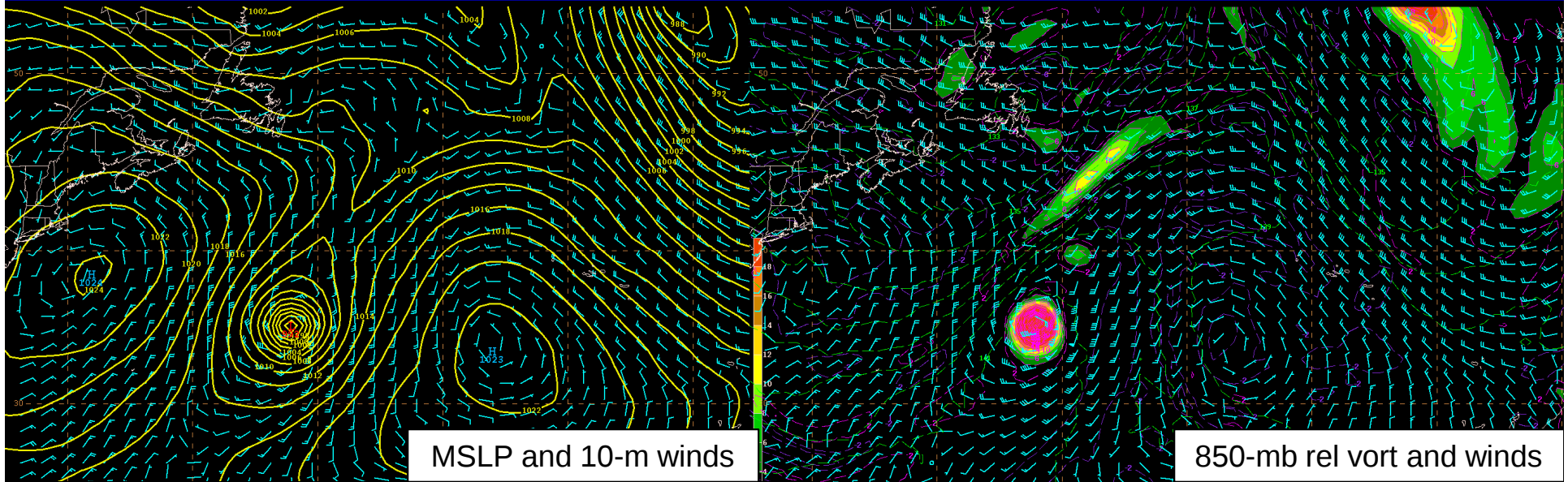


Forecast Valid at 12 UTC 22nd



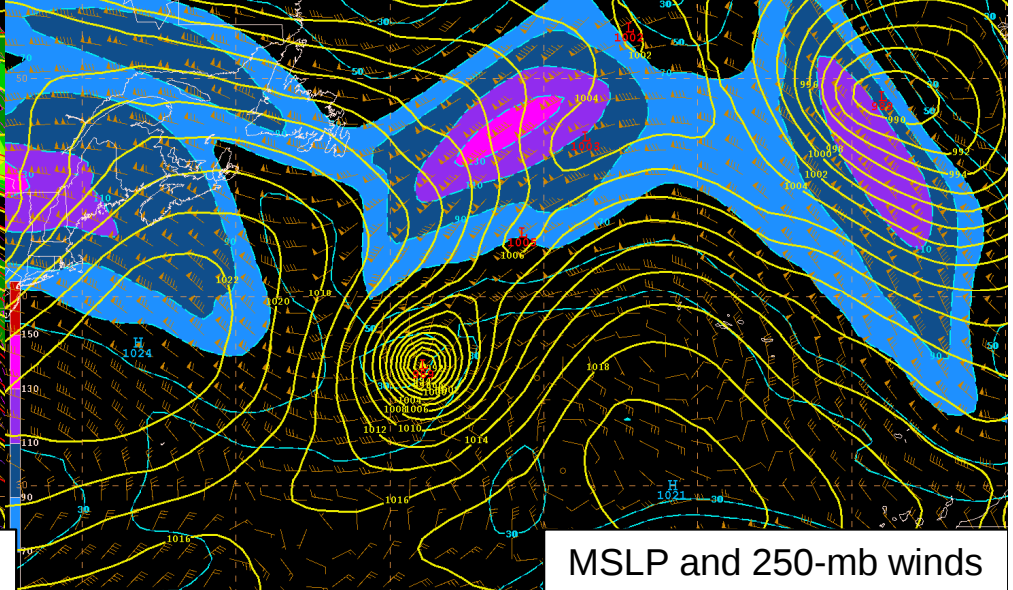
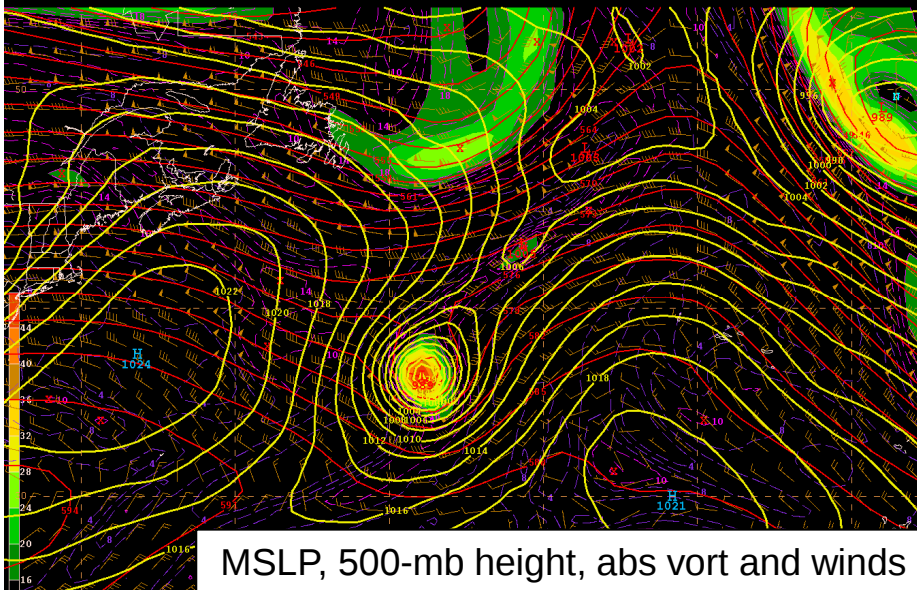
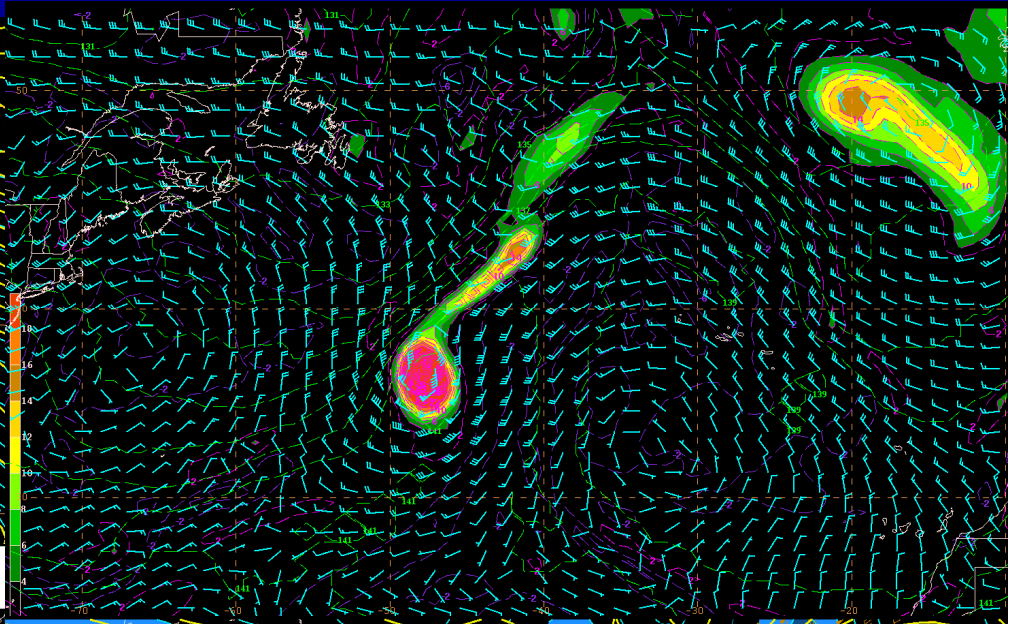
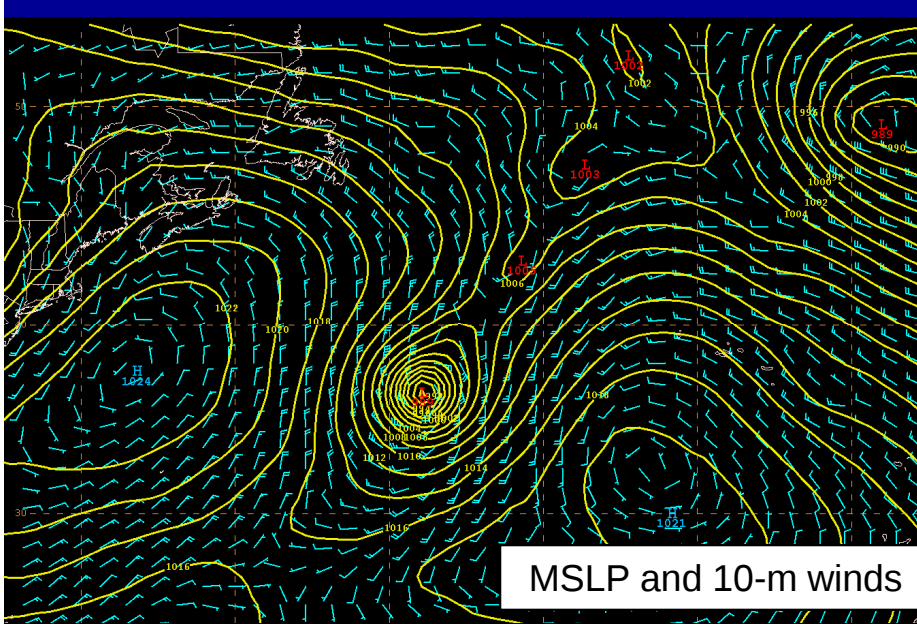


Forecast Valid at 00 UTC 23rd



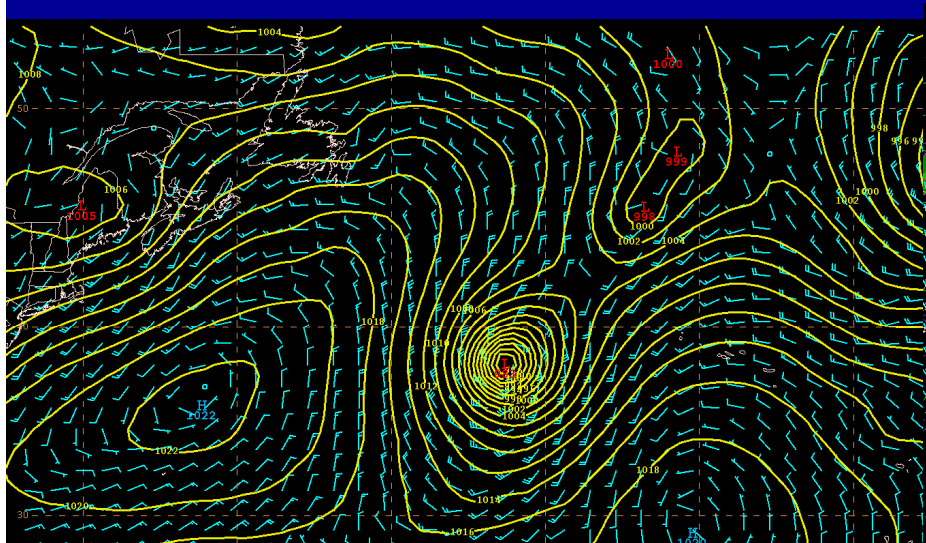


Forecast Valid at 12 UTC 23rd

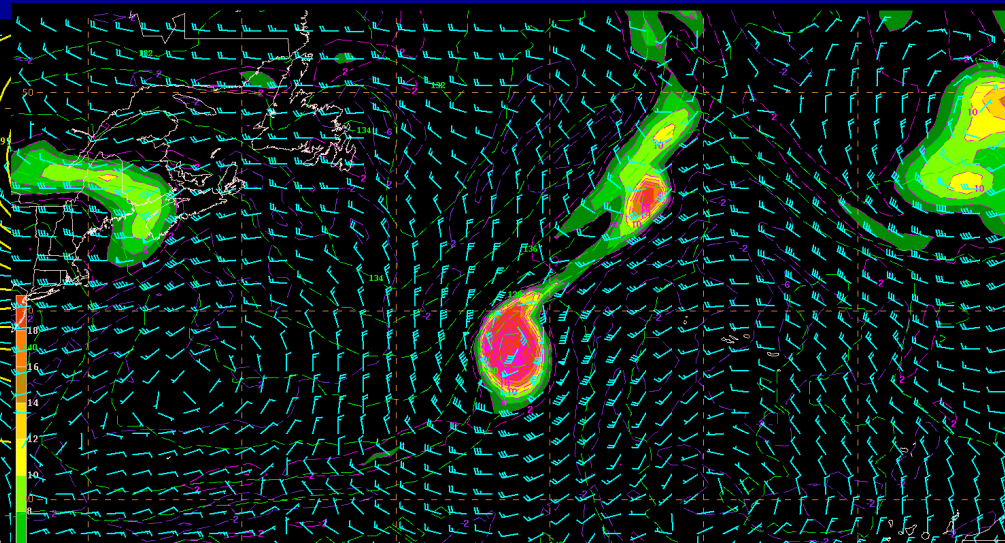




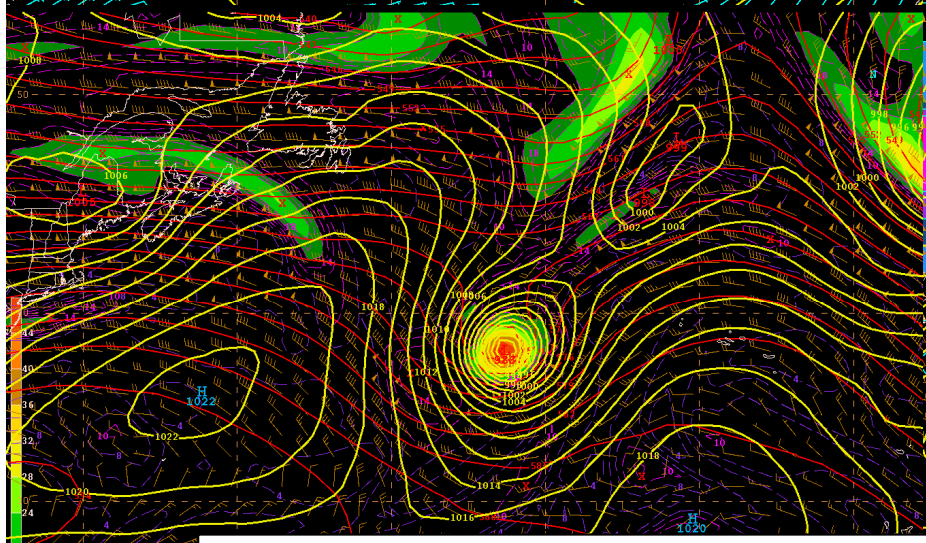
Forecast Valid at 00 UTC 24th



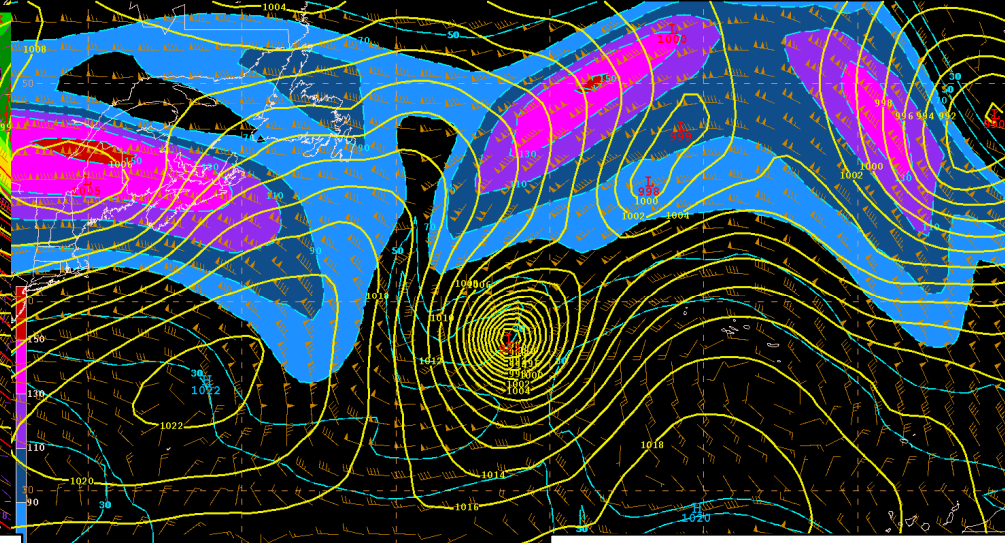
MSLP and 10-m winds



850-mb rel vort and winds



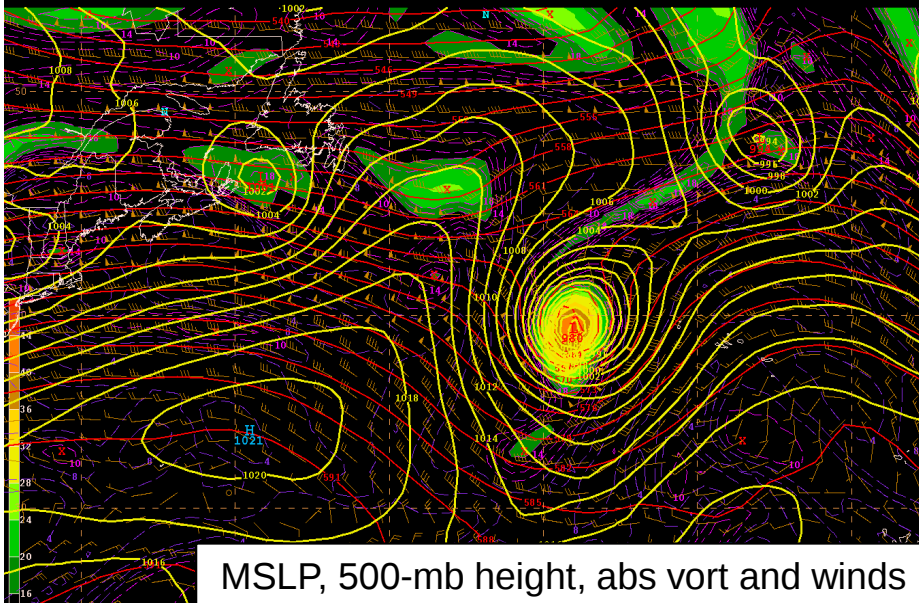
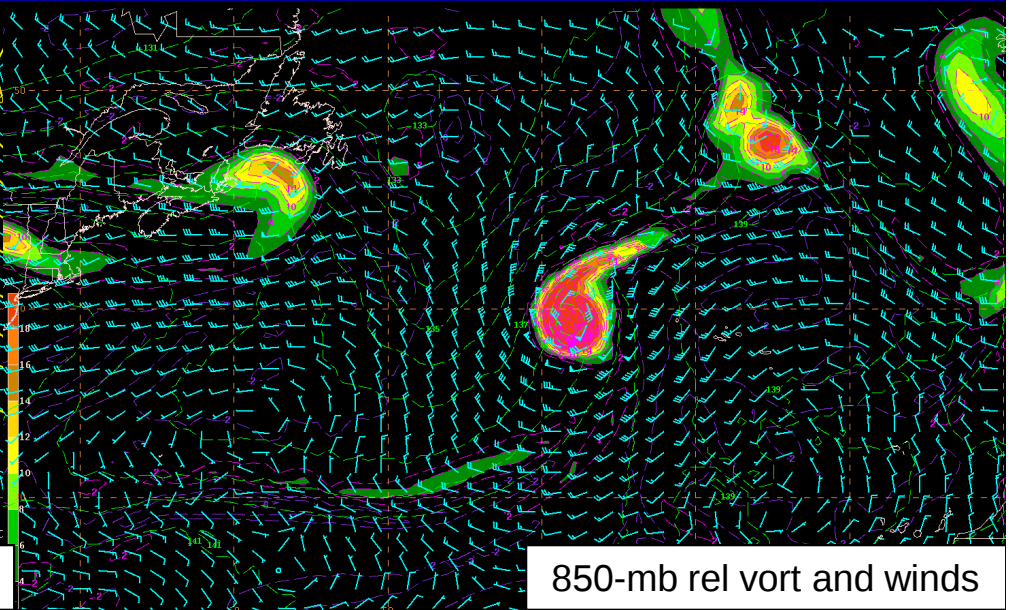
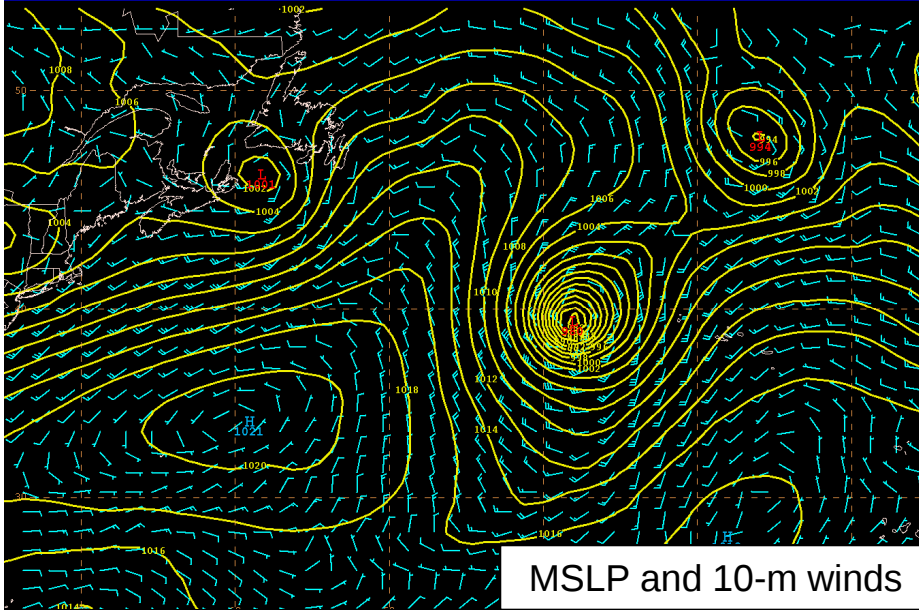
MSLP, 500-mb height, abs vort and winds



MSLP and 250-mb winds

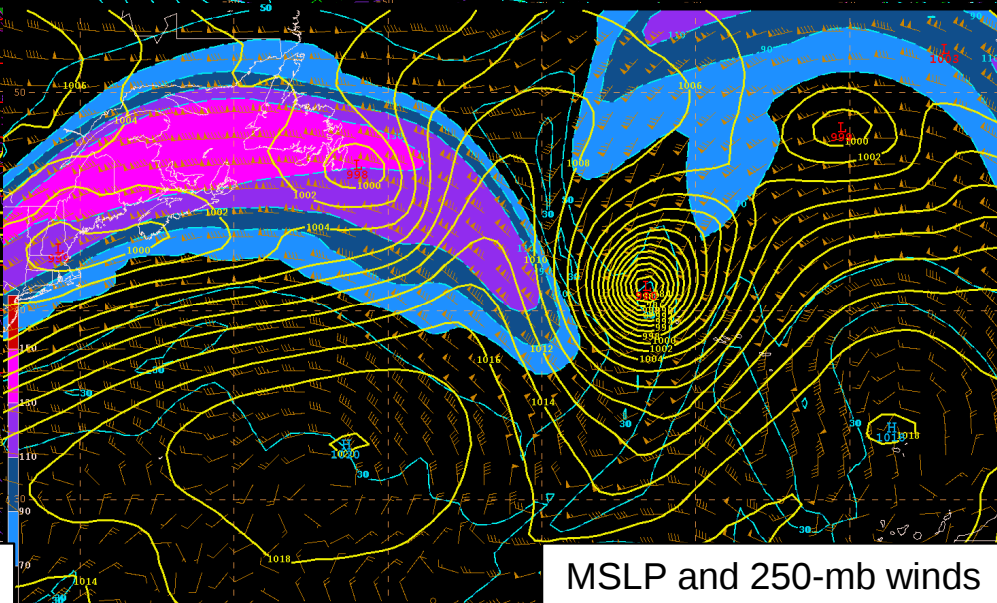
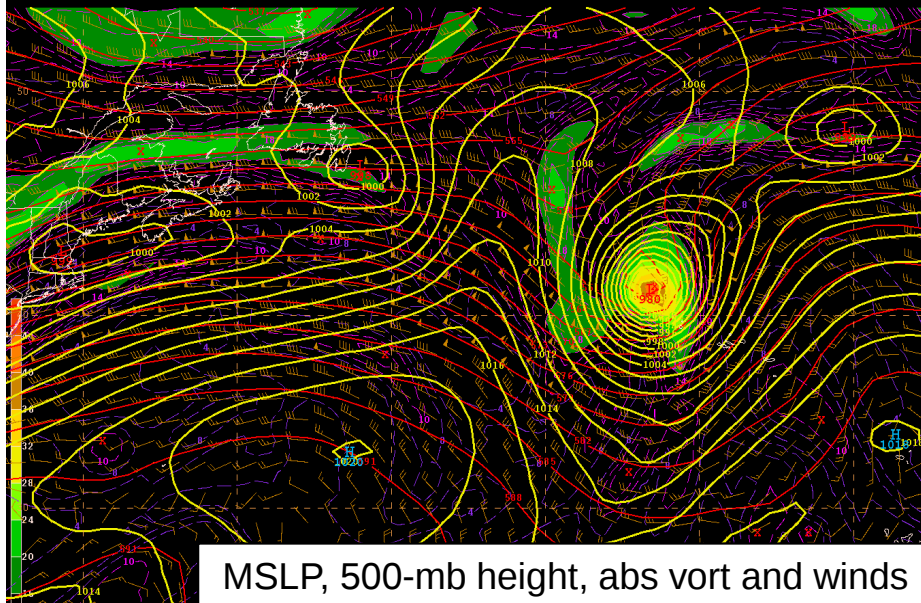
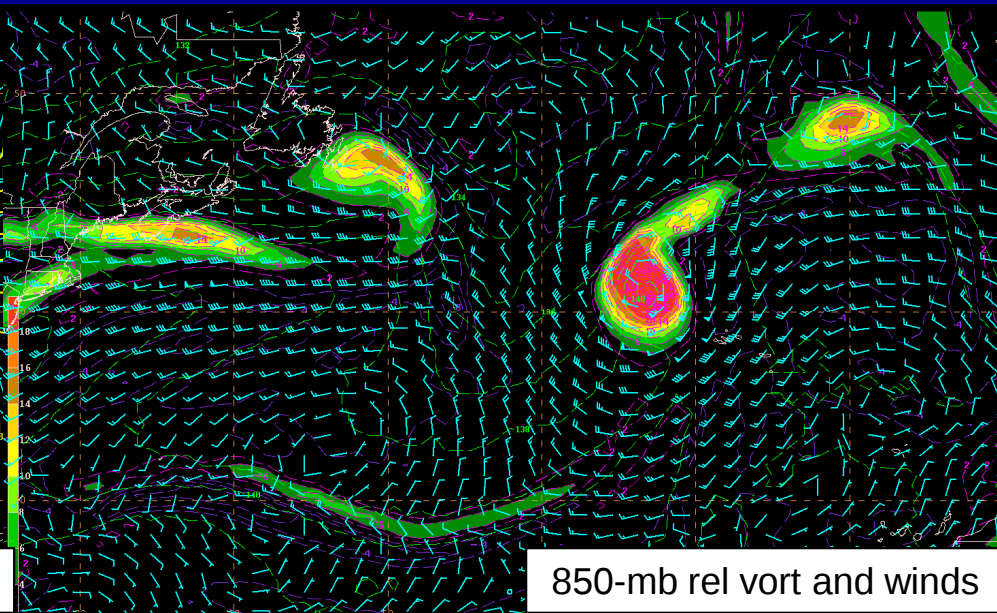
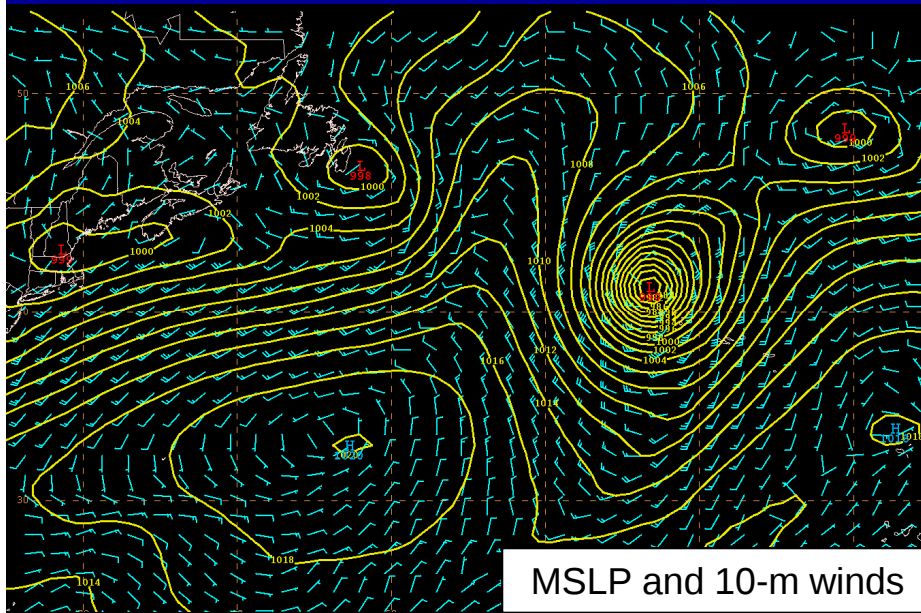
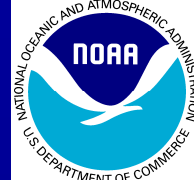


Forecast Valid at 12 UTC 24th



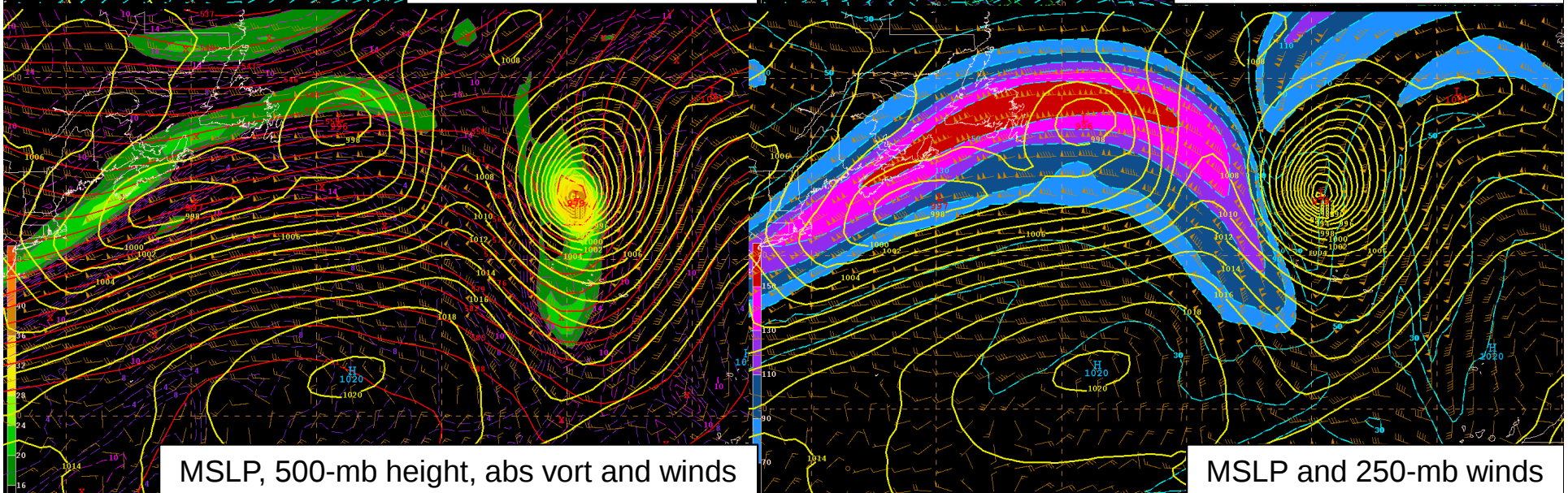
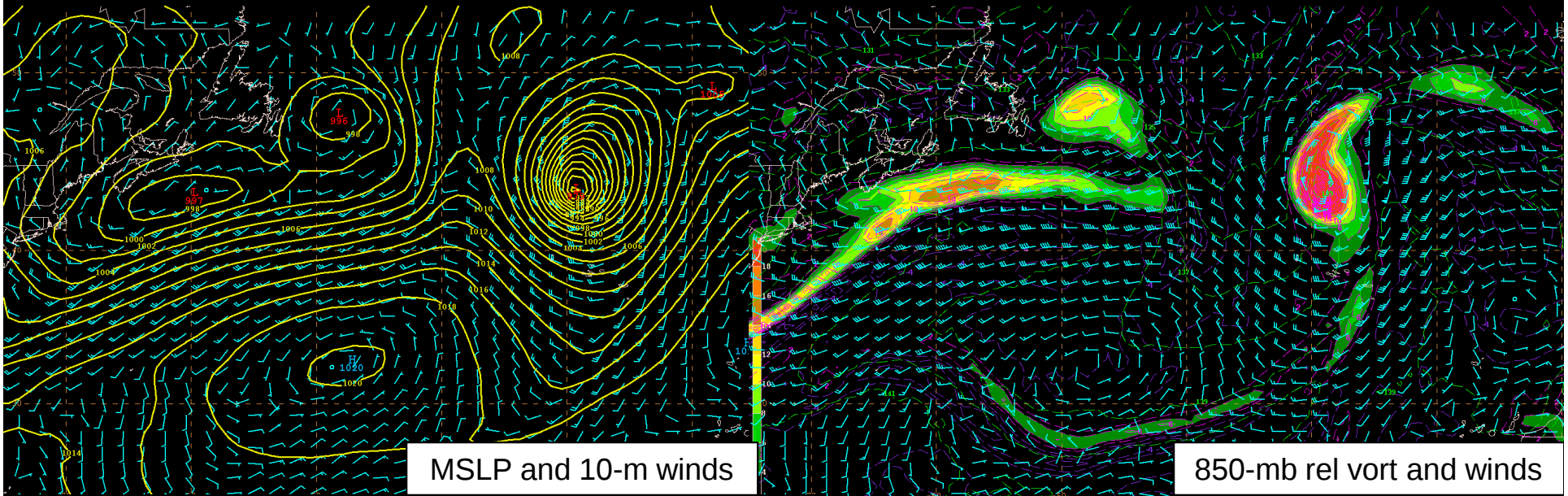


Forecast Valid at 00 UTC 25th



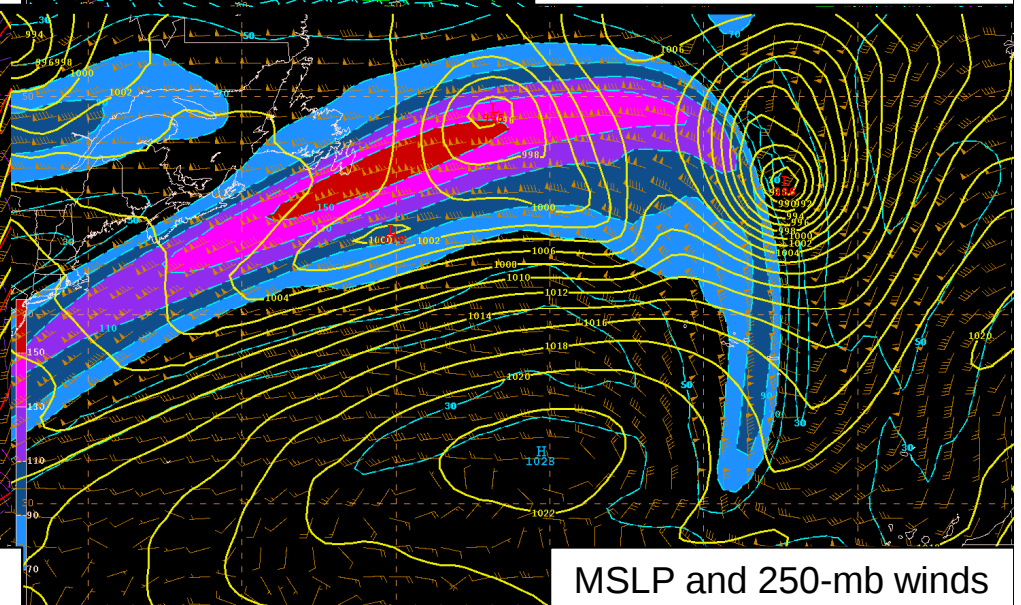
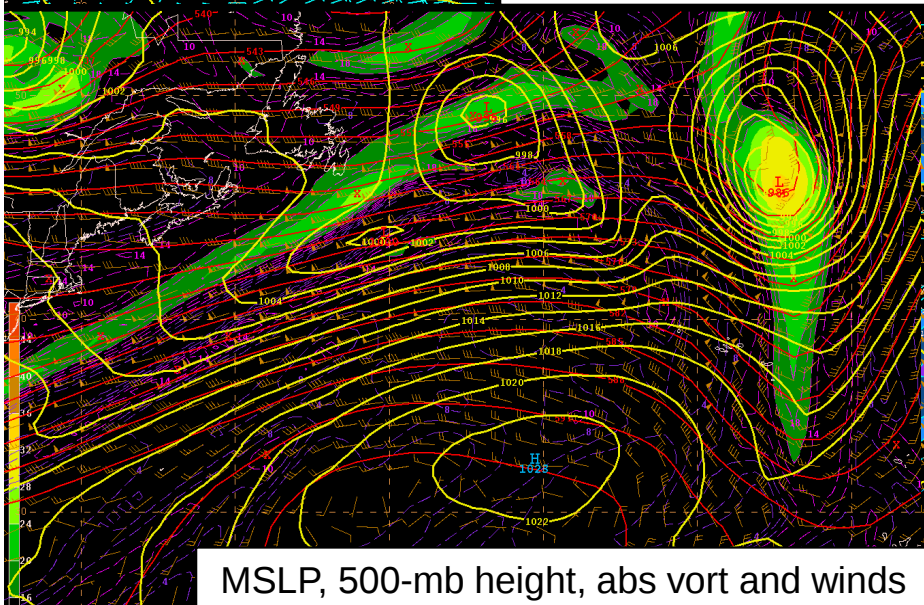
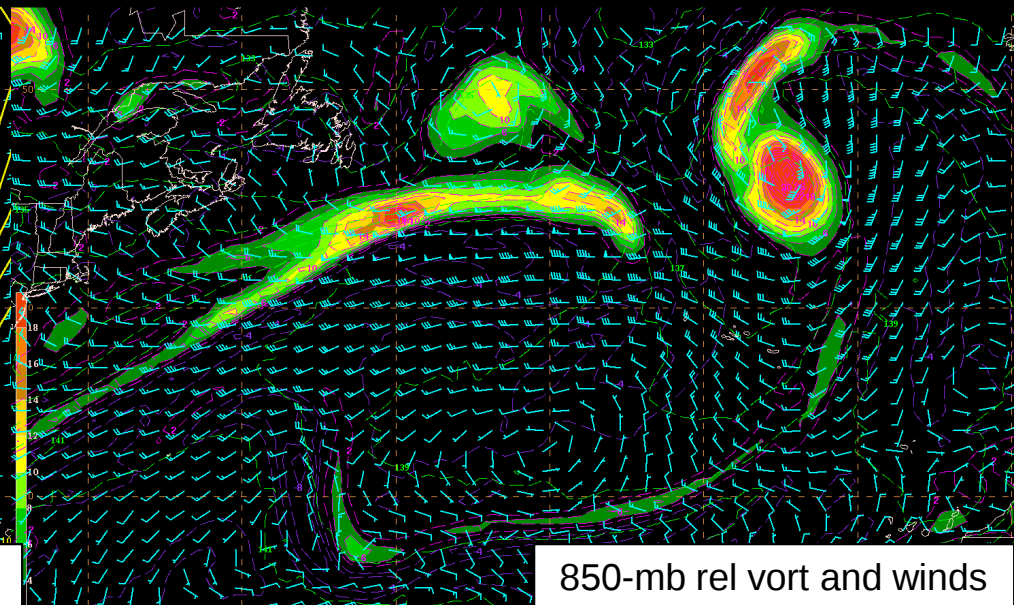
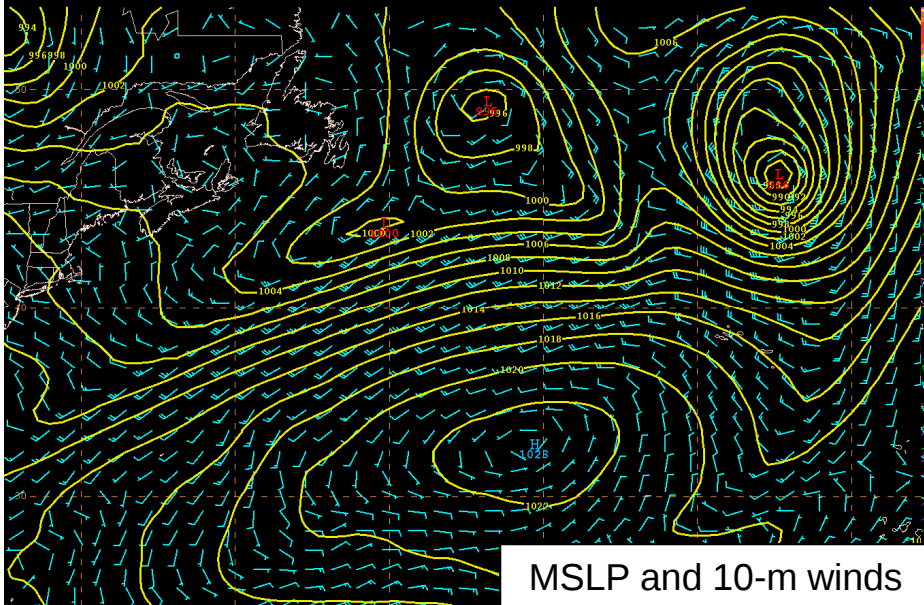


Forecast Valid at 12 UTC 25th





Forecast Valid at 00 UTC 26th





UKMET Forecast



- When does ET begin?
- When does ET end?