# FLIGHT DAY FORECAST

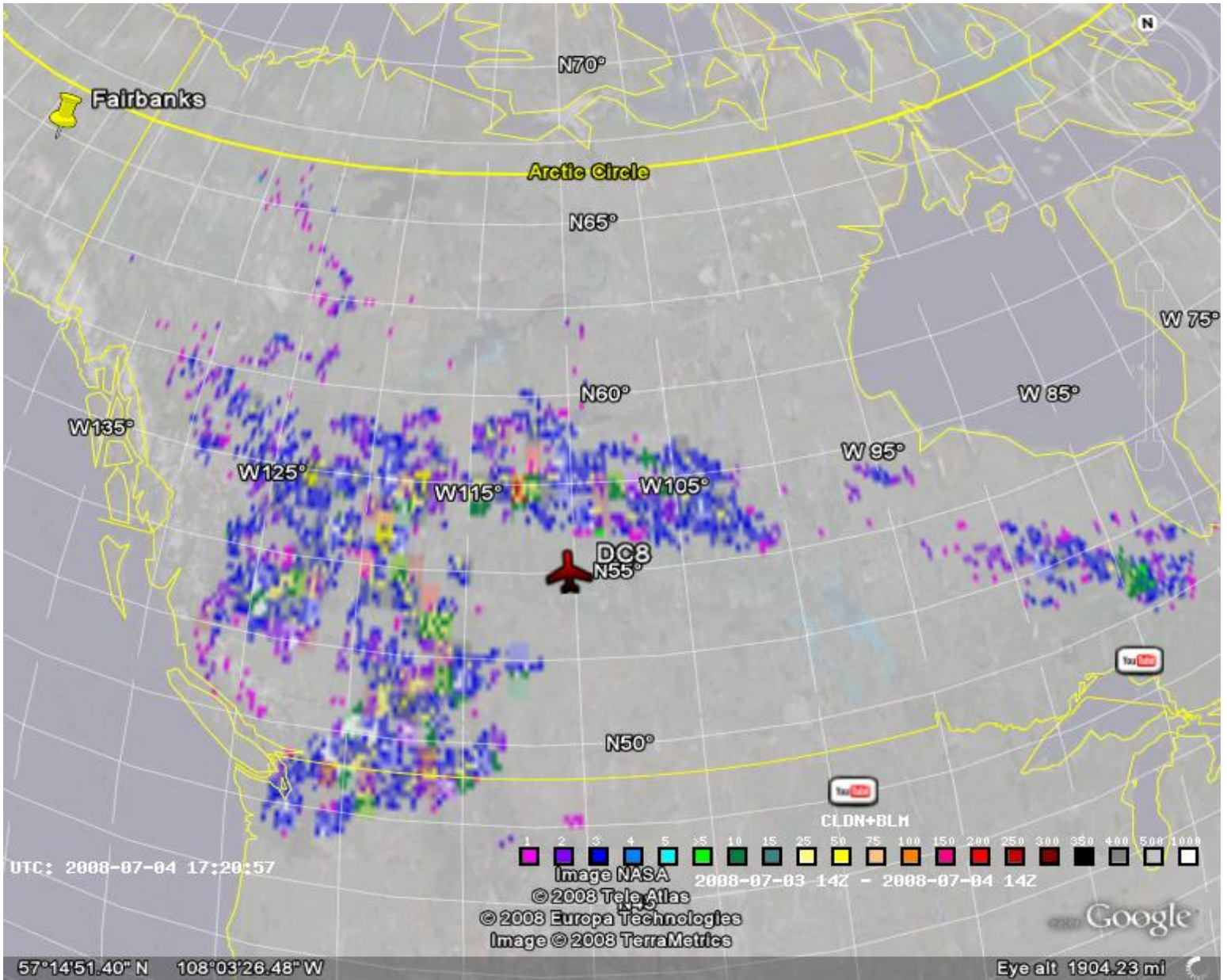
July 5 Onward


Henry Fuelberg
Walter Sessions


*"Your eyes to the skies"*
*And "No Surprise Weather Service"*

FSU Meteorology

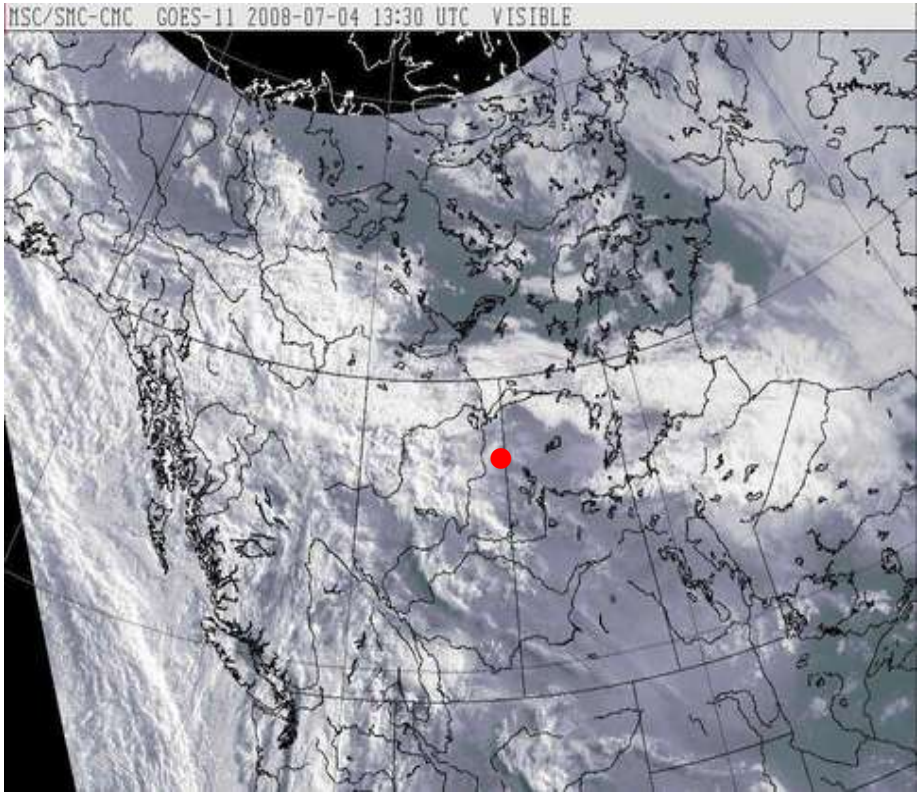
# 24 hour Lightning Ending 07 Z Today



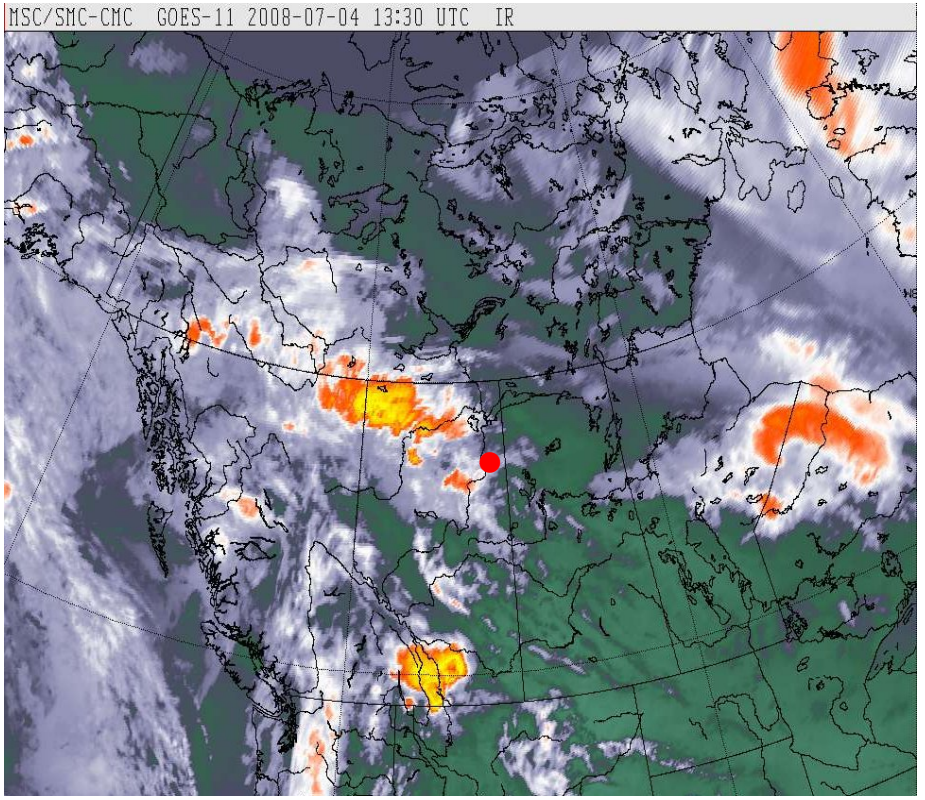
# Current Weather

# Satellite Imagery

## Visible

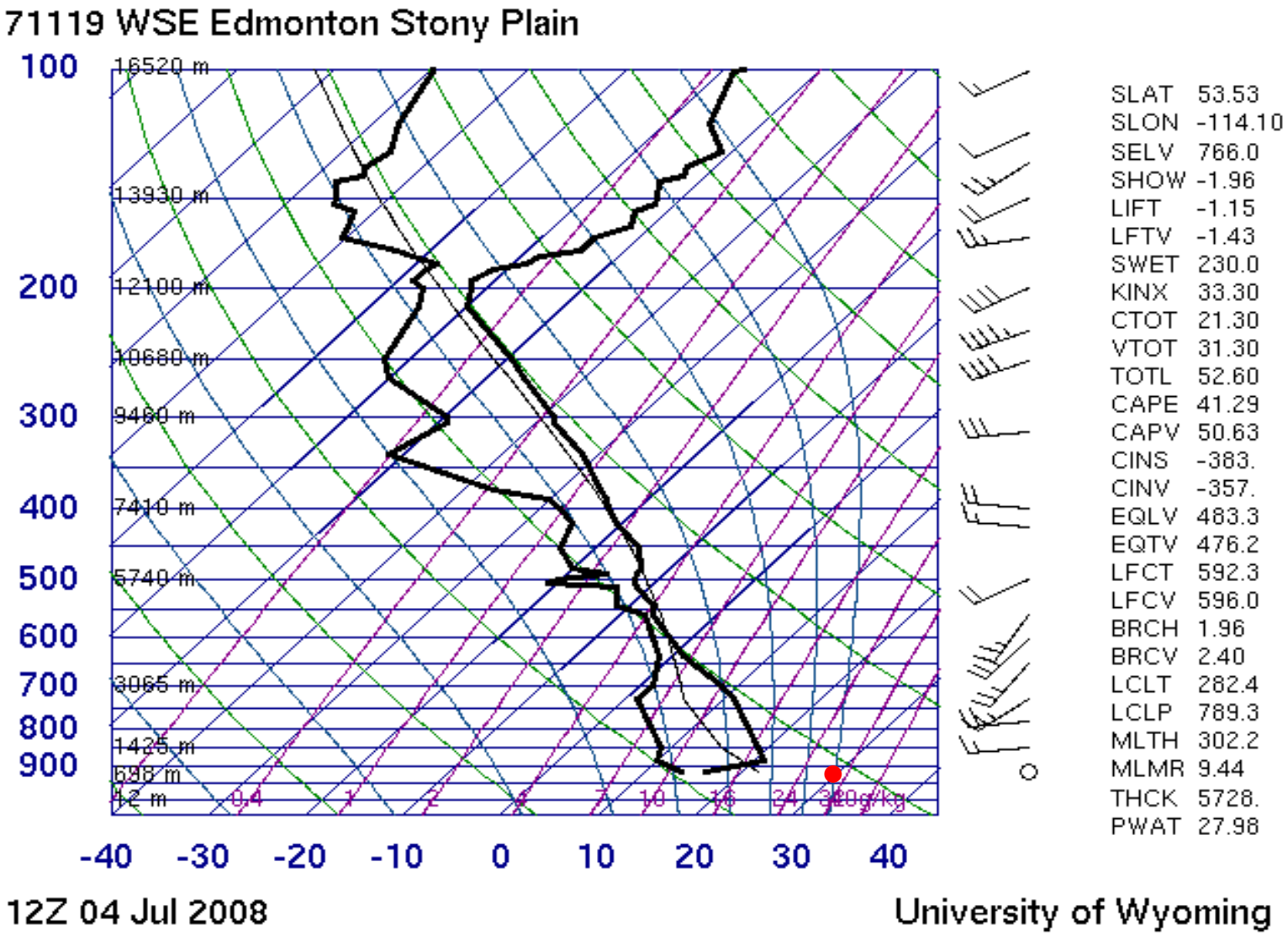



## Infrared



# Lightning Since Noon

# Sounding to our West
# More Unstable than Expected



# Severe Thunderstorm Watches in **BC**

# Expected to be Issued Farther East

- East Kootenay - south including Cranbrook
  7.09 AM PDT Friday 4 July 2008
  **Severe thunderstorm watch for**
  East Kootenay - south including Cranbrook continued

  Risk of severe thunderstorms through this evening.

  This is an alert to the potential development of severe thunderstorms with large hail and damaging winds.

  Monitor weather conditions. Listen for updated statements. If threatening weather approaches take immediate safety precautions.

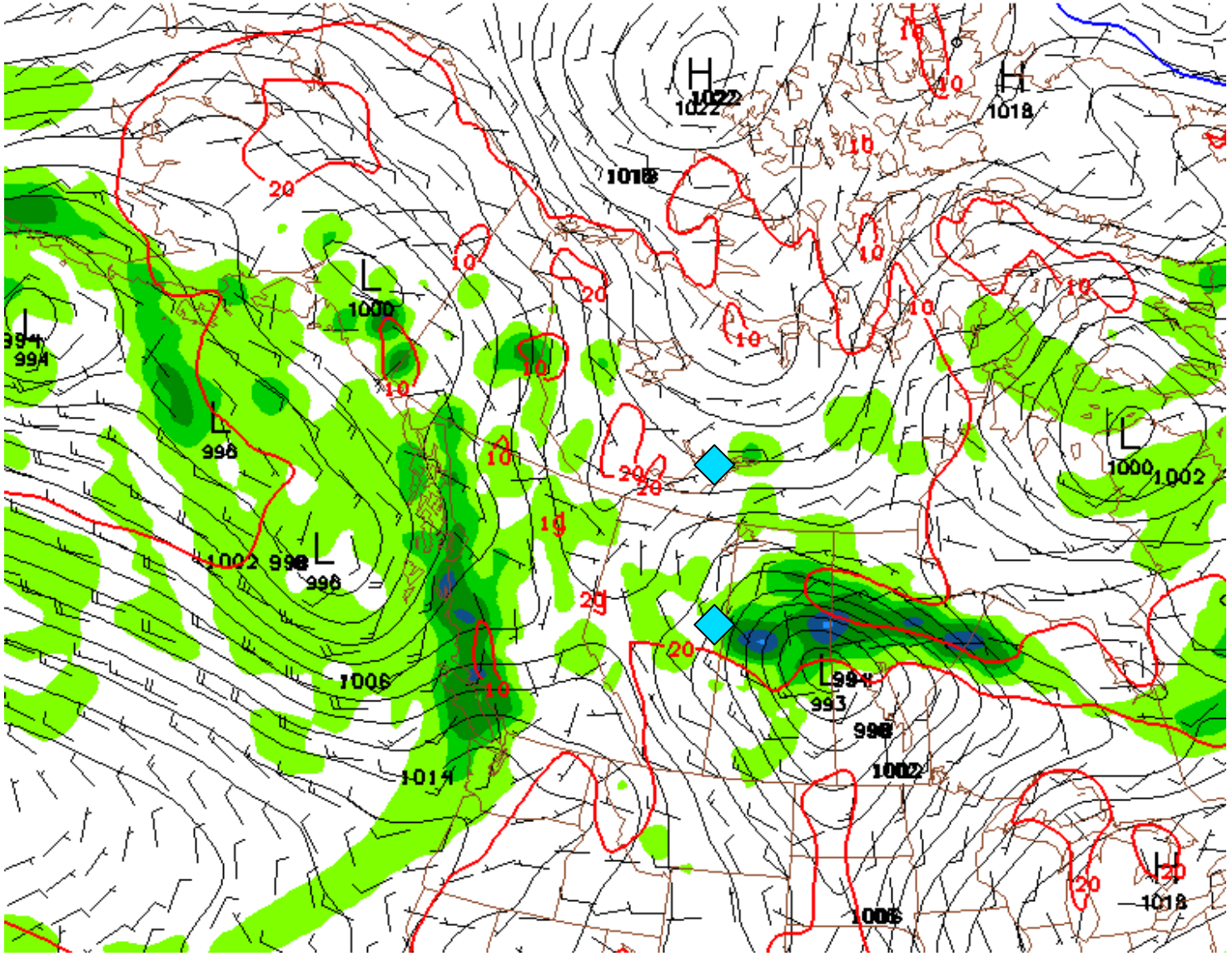
  An area of heavy thunderstorms is currently moving through southeastern bc and these have the potential to produce severe weather. Intense lightning and heavy rain are likely with these storms. As well there is a risk of hail and wind gusts to 90 km/h especially this afternoon. The current storms will weaken this morning and new cells are expected to develop this afternoon giving a risk of severe weather through this afternoon.

# Friday

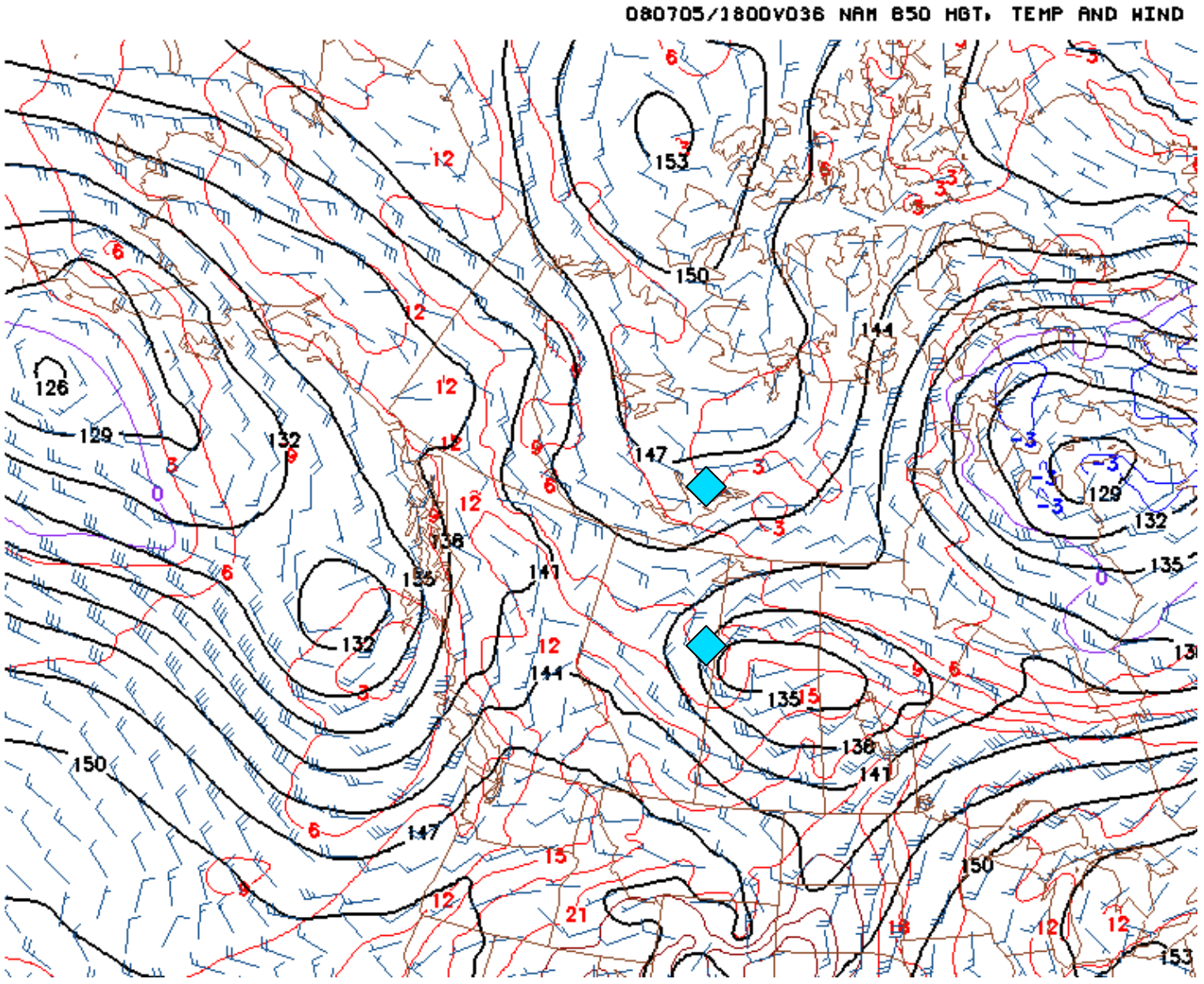
July 5th

1800 Z (Noon)

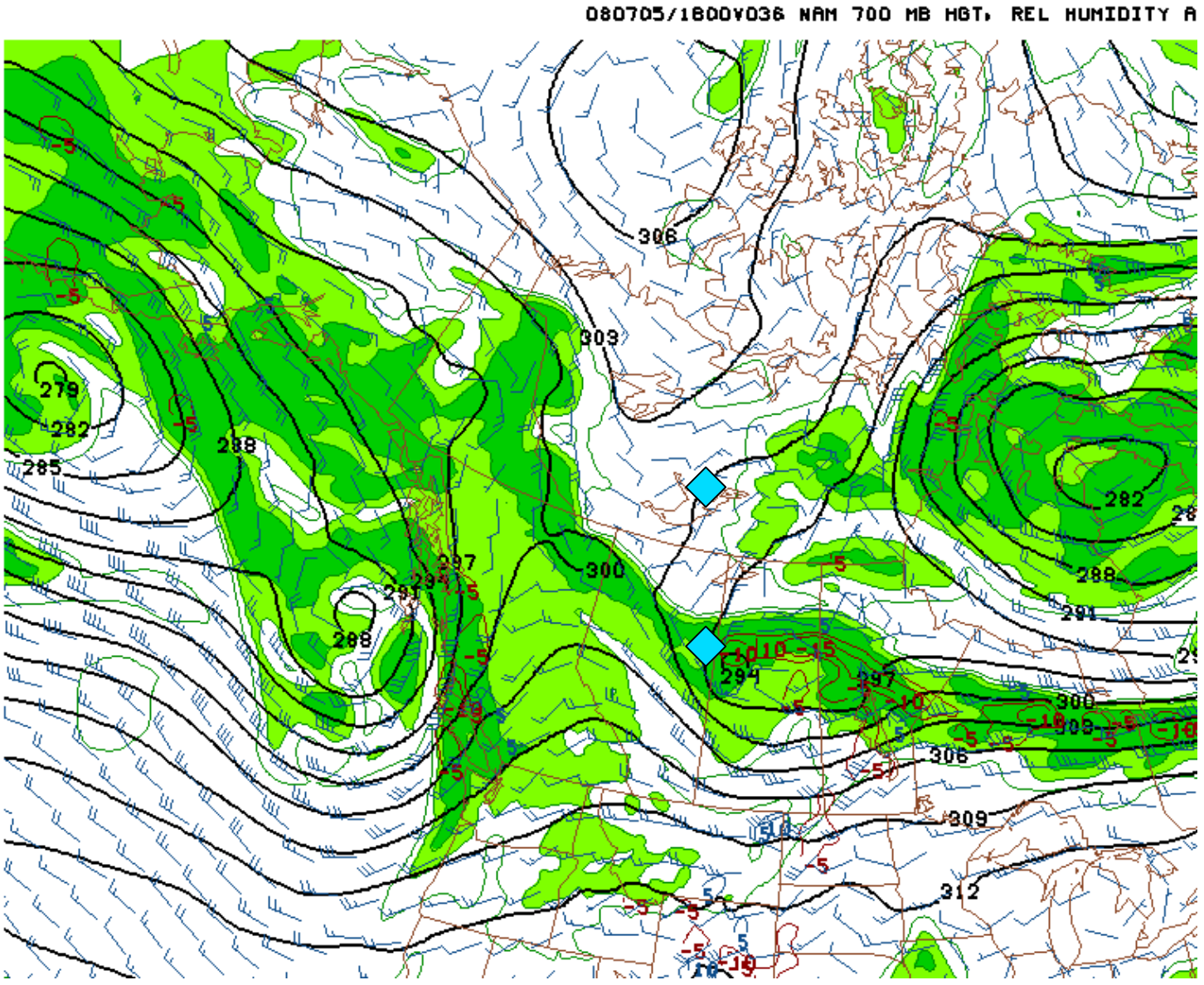
# Saturday Surface and Precip



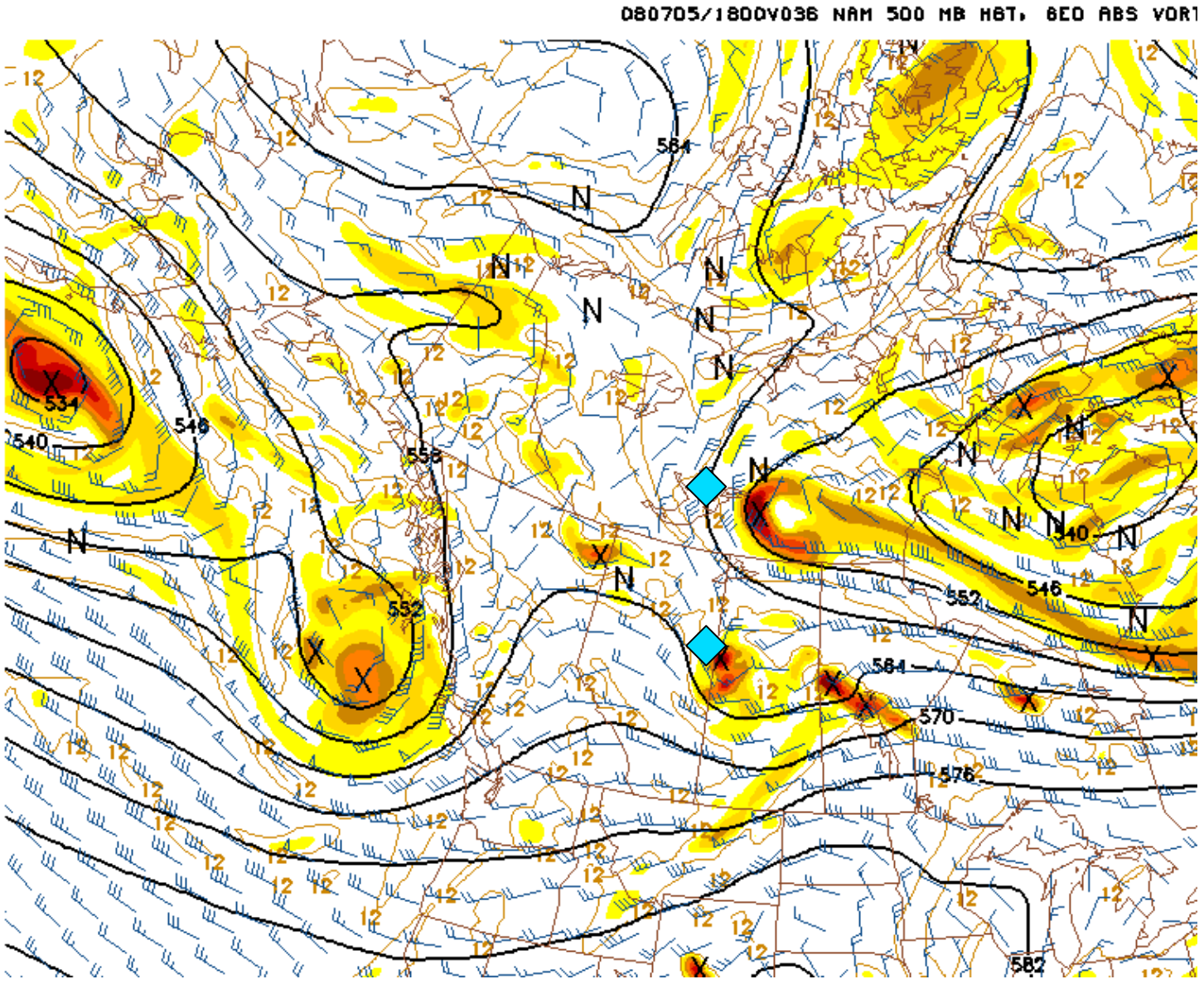
# 850 mb (5,000 ft MSL)



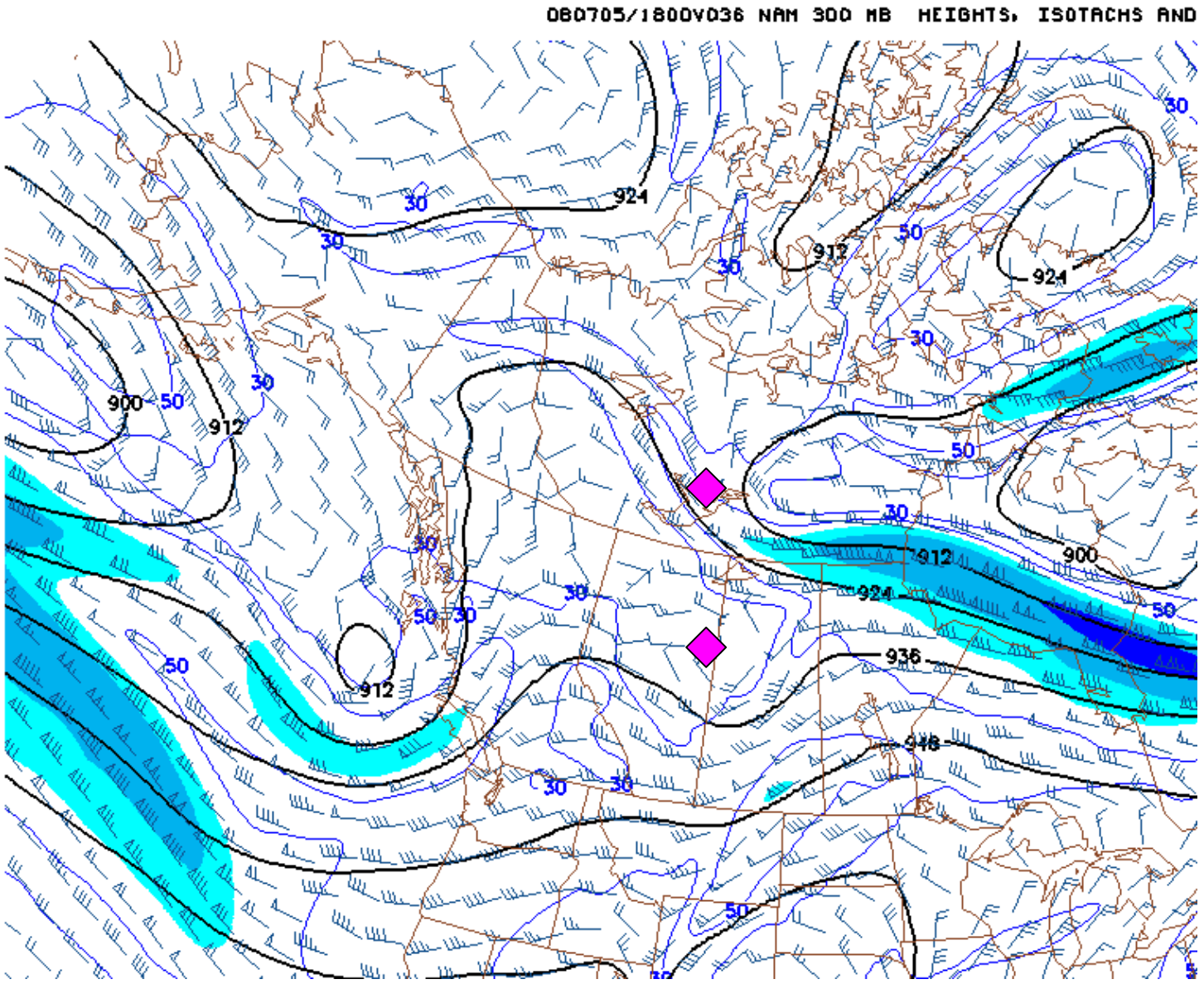
# 700 mb (10,000 ft MSL) Green + High RH



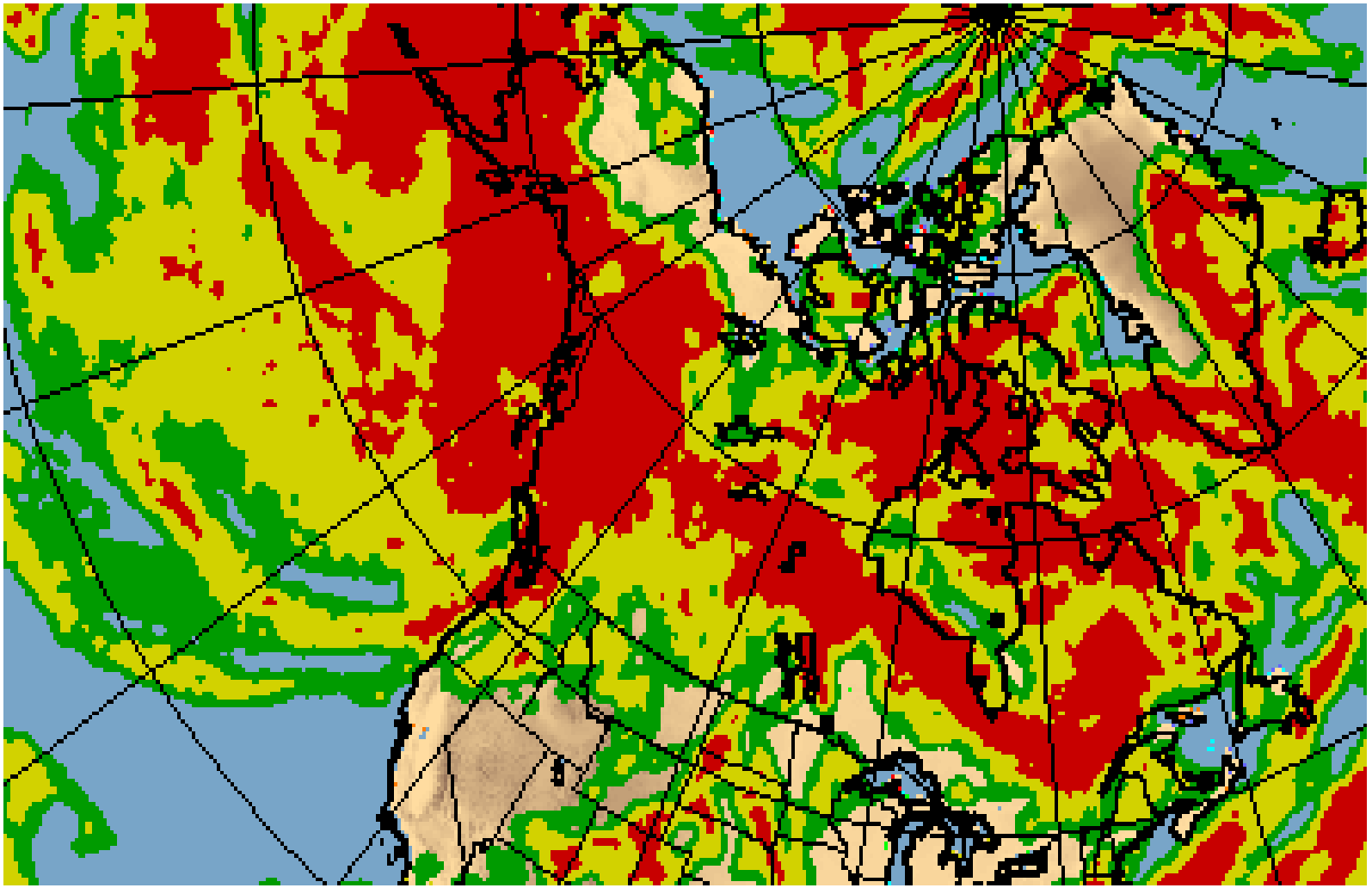
# 500 mb Heights and Vort.



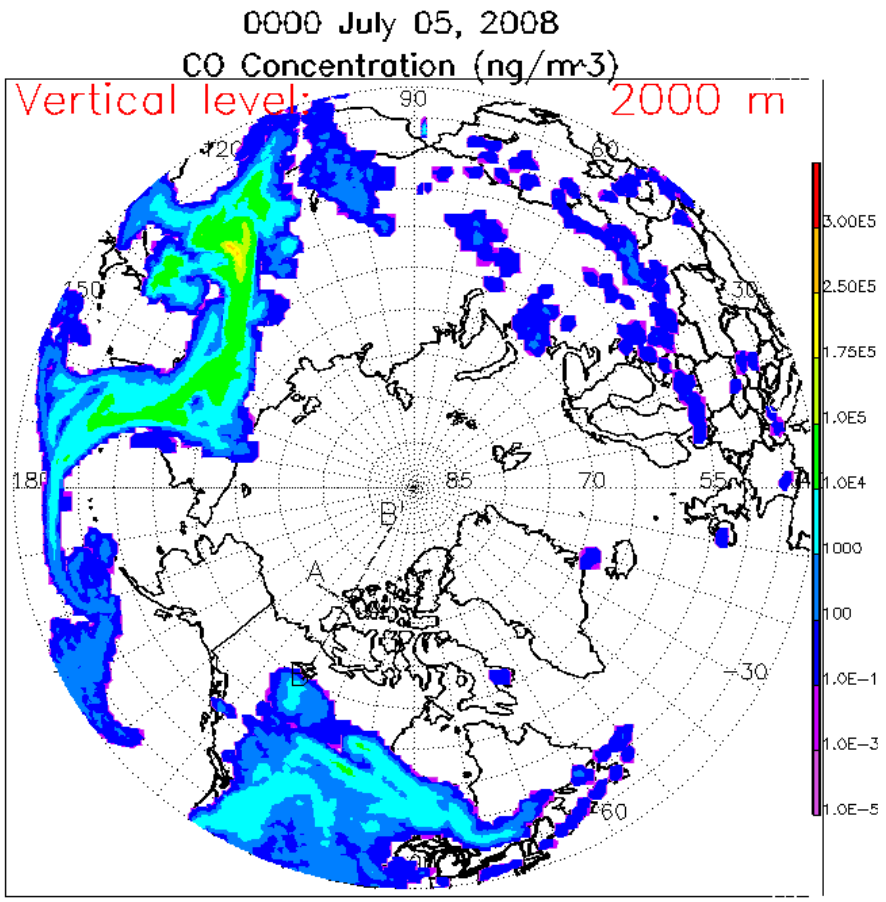
# 300 mb Heights and Vort.



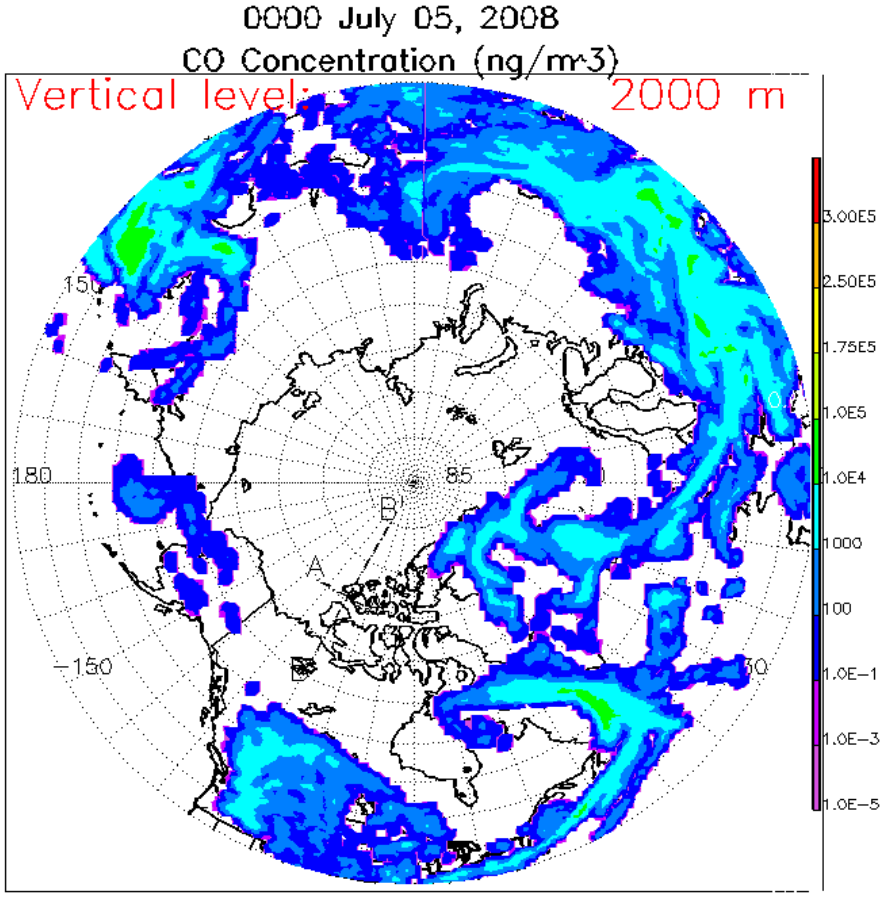
# Saturday Cloud Cover



# FSU-WRF-FLEXPART 2 km

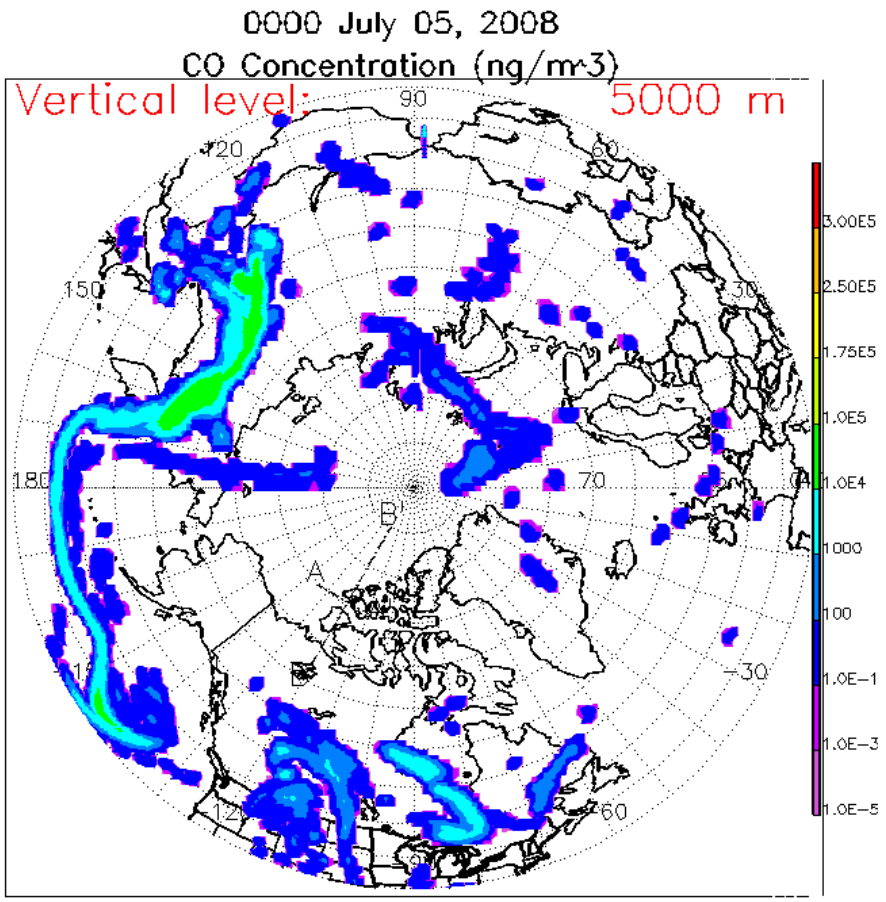



Fires

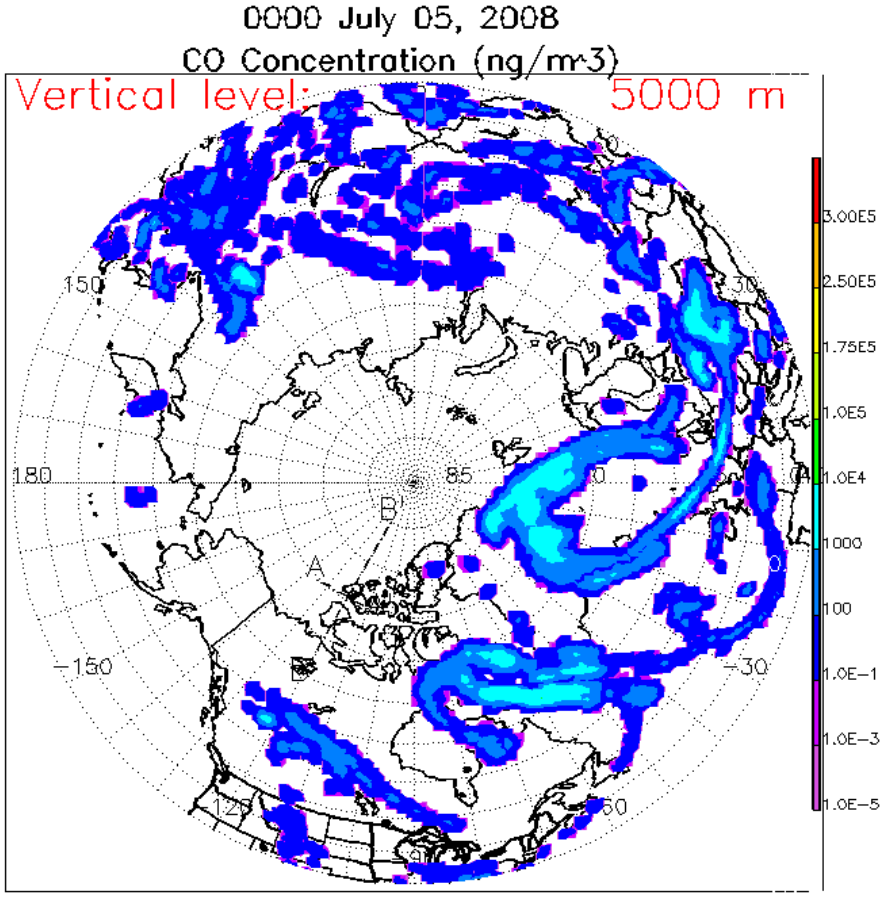



Anthro

# FSU-WRF-FLEXPART 5 km

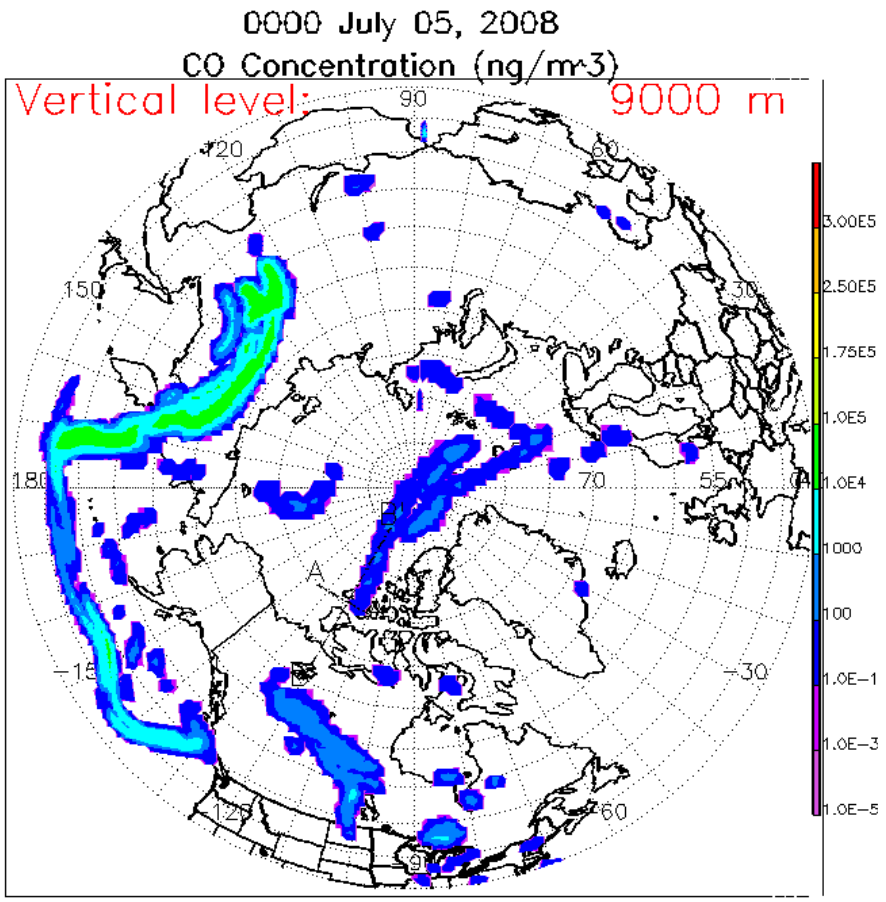



Fires

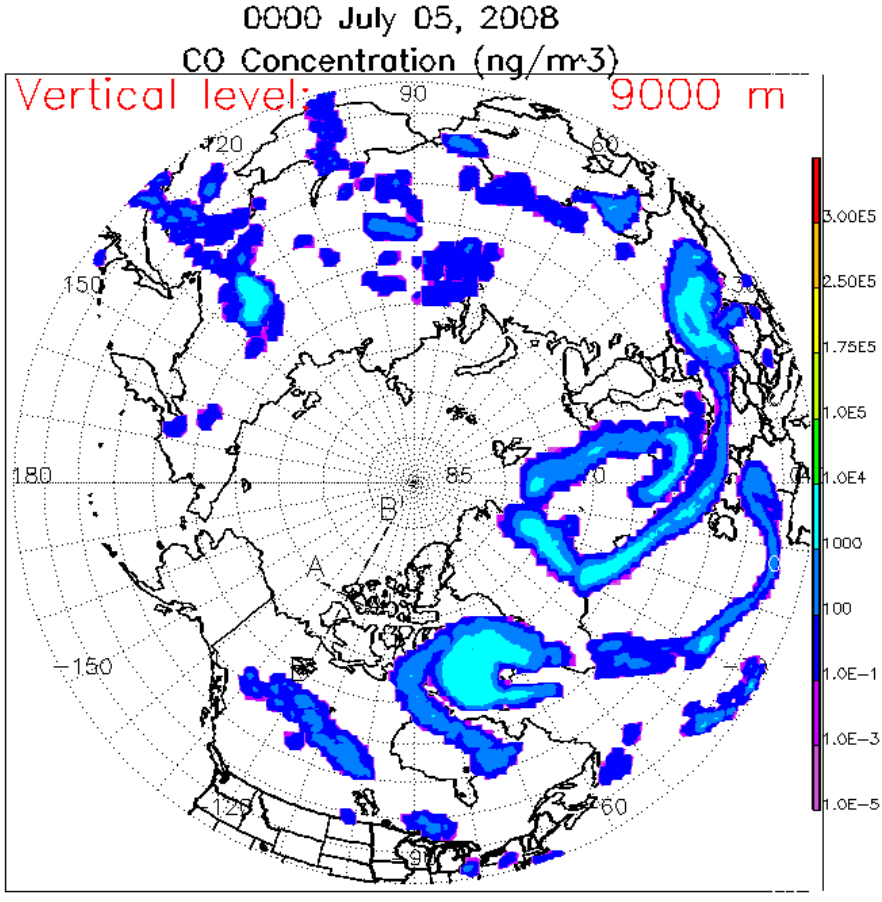



Anthro

# FSU-WRF-FLEXPART 9 km




Fires

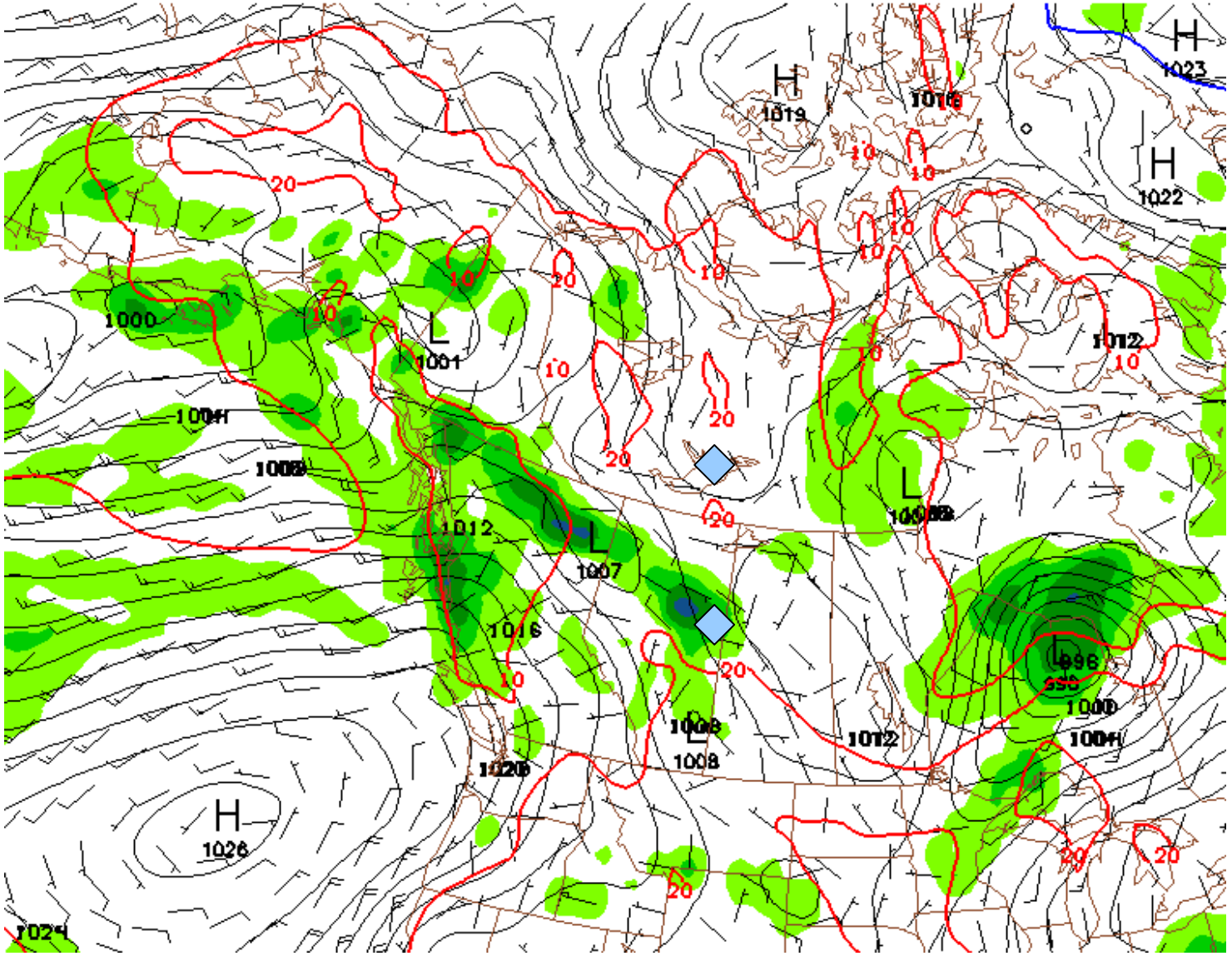



Anthro

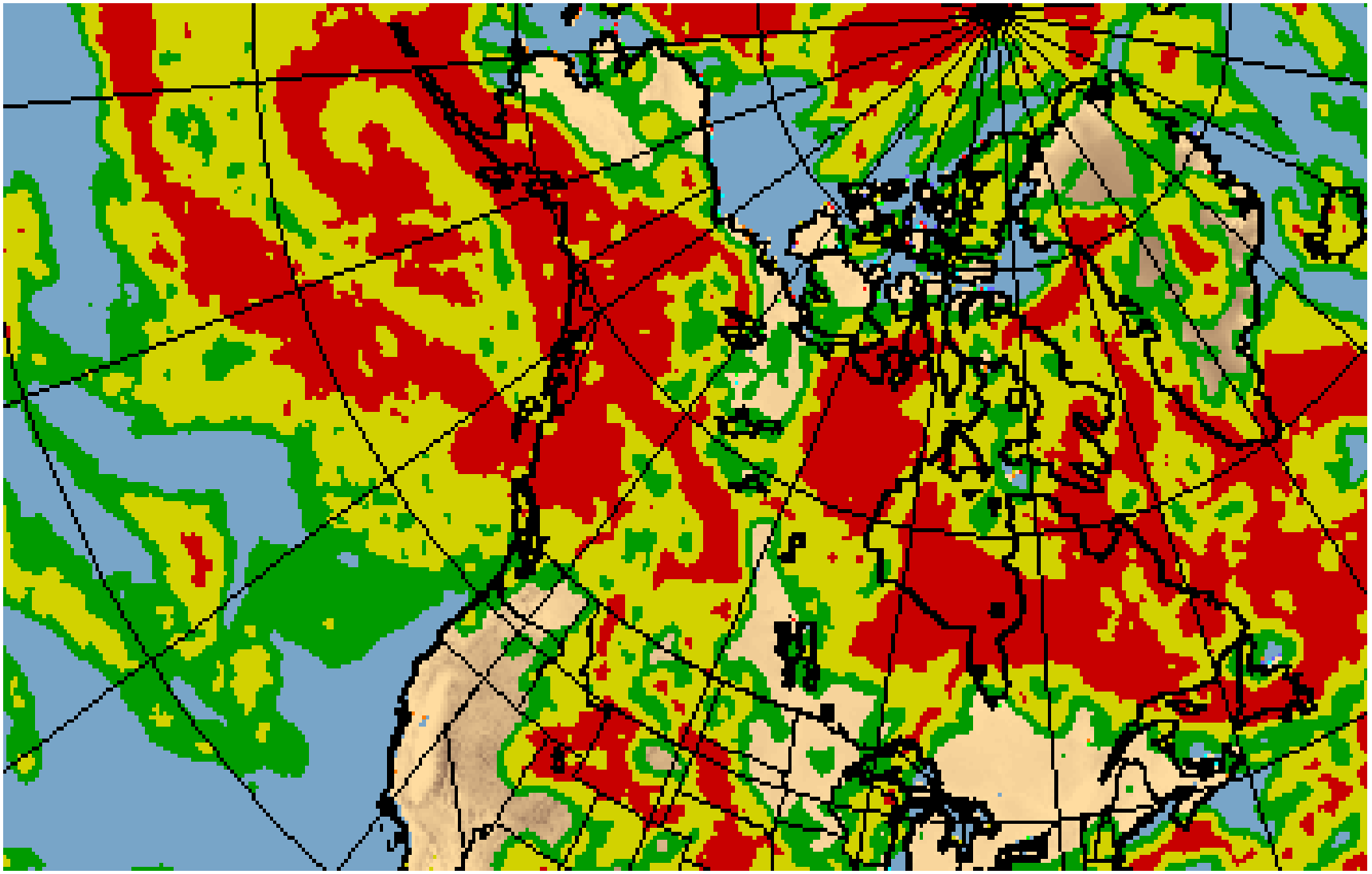
# Looking Ahead

1800 Z (Noon)

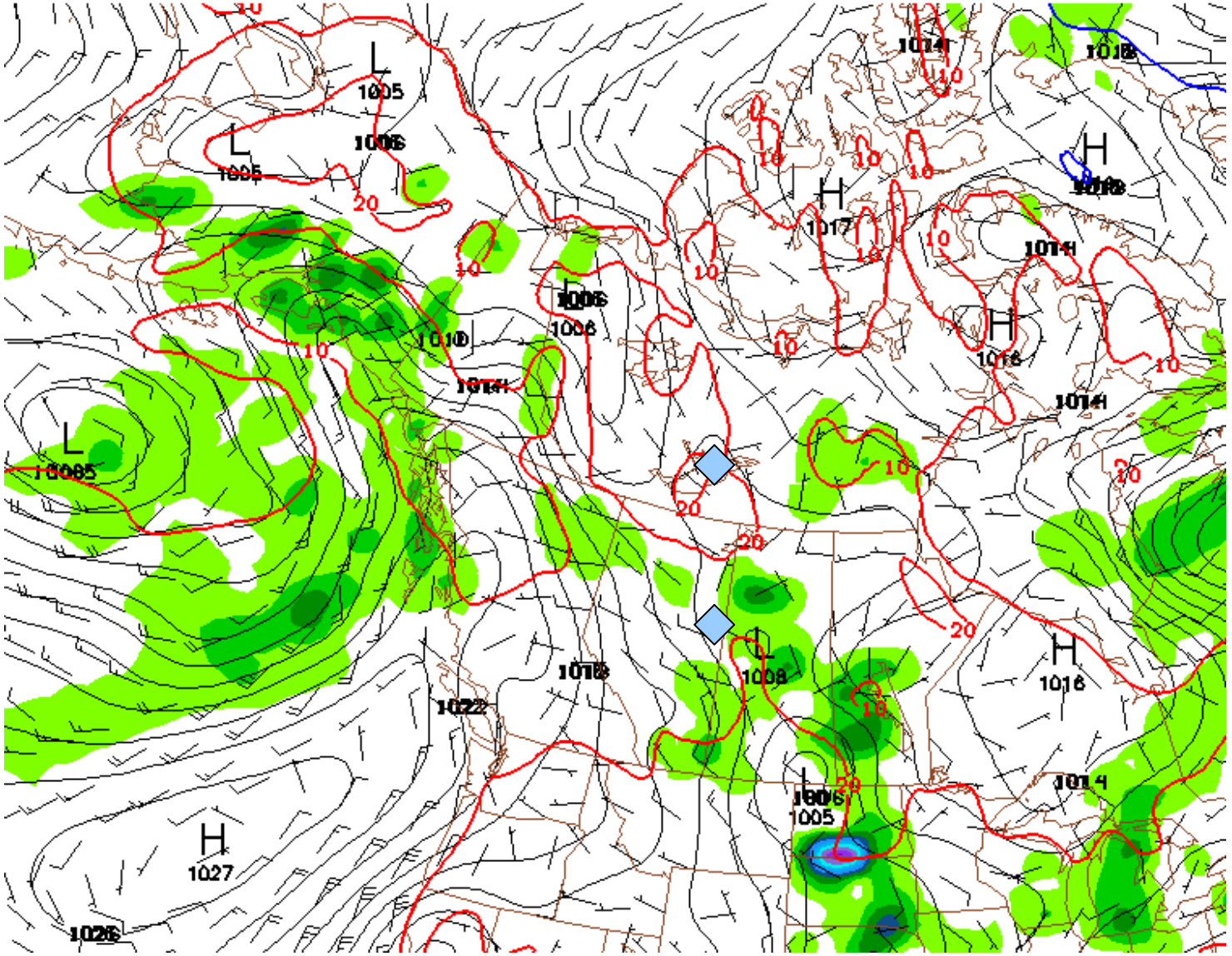
# Sunday Surface and Precip



# Sunday Cloud Cover



# Monday Surface and Precip



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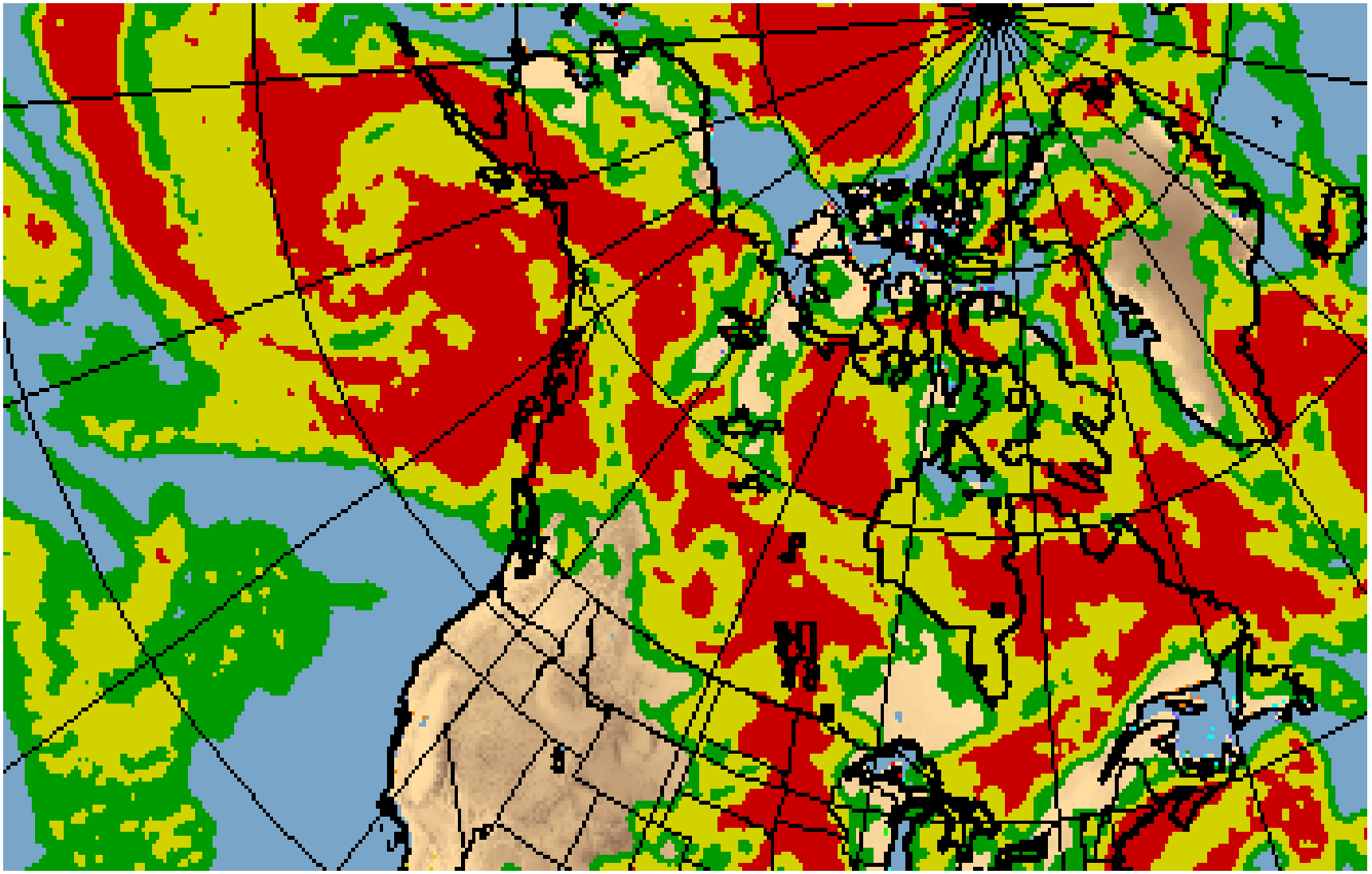
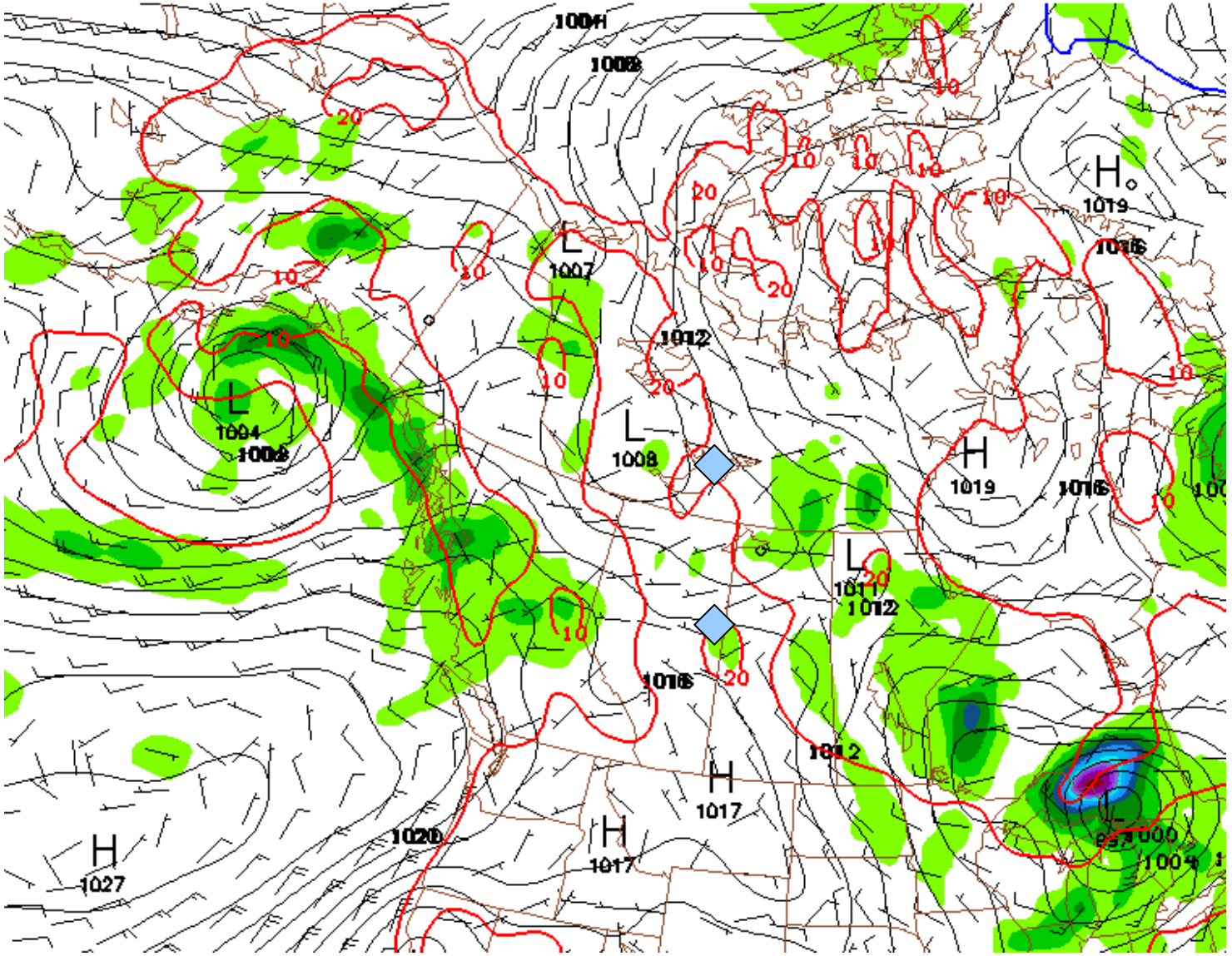
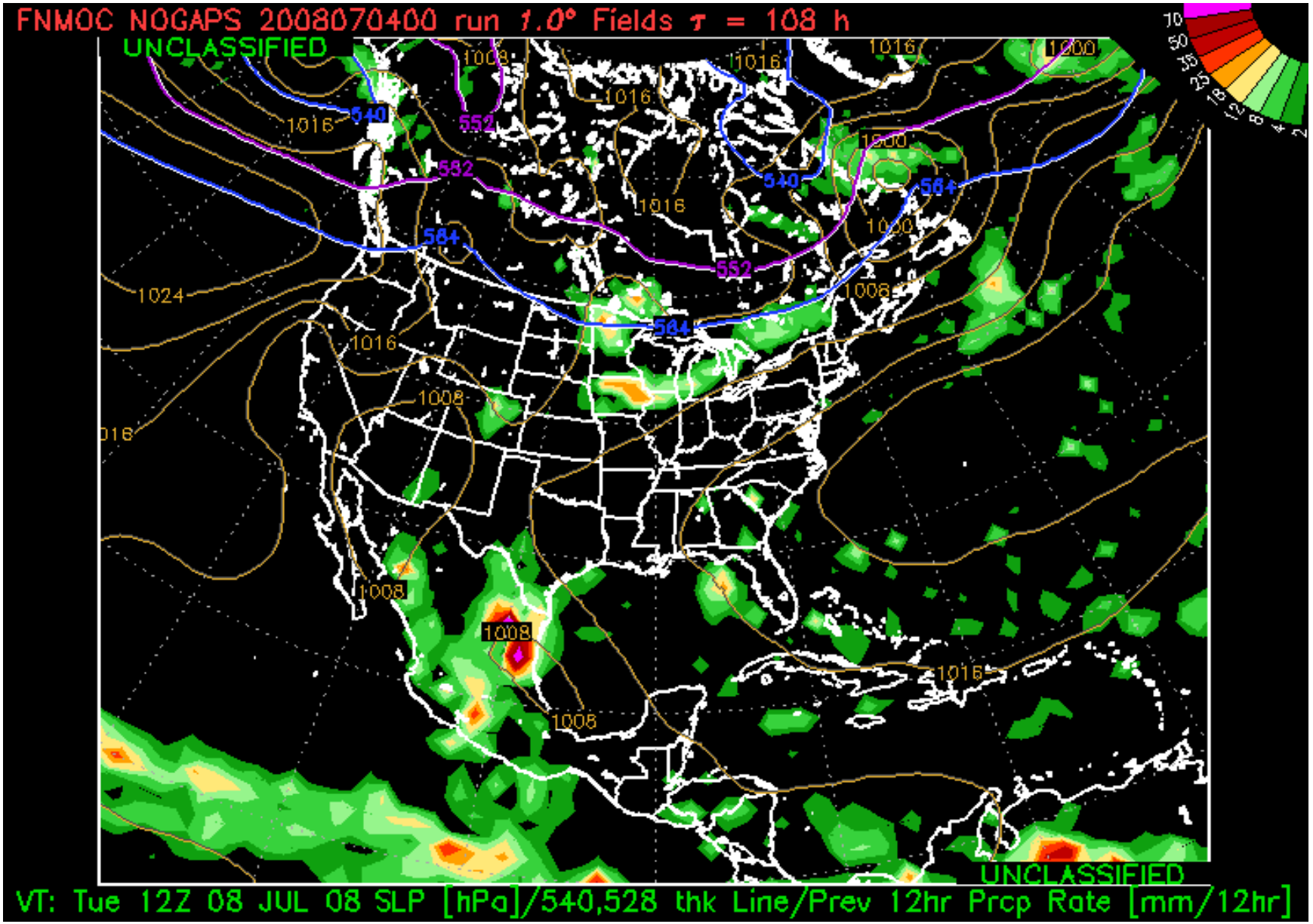


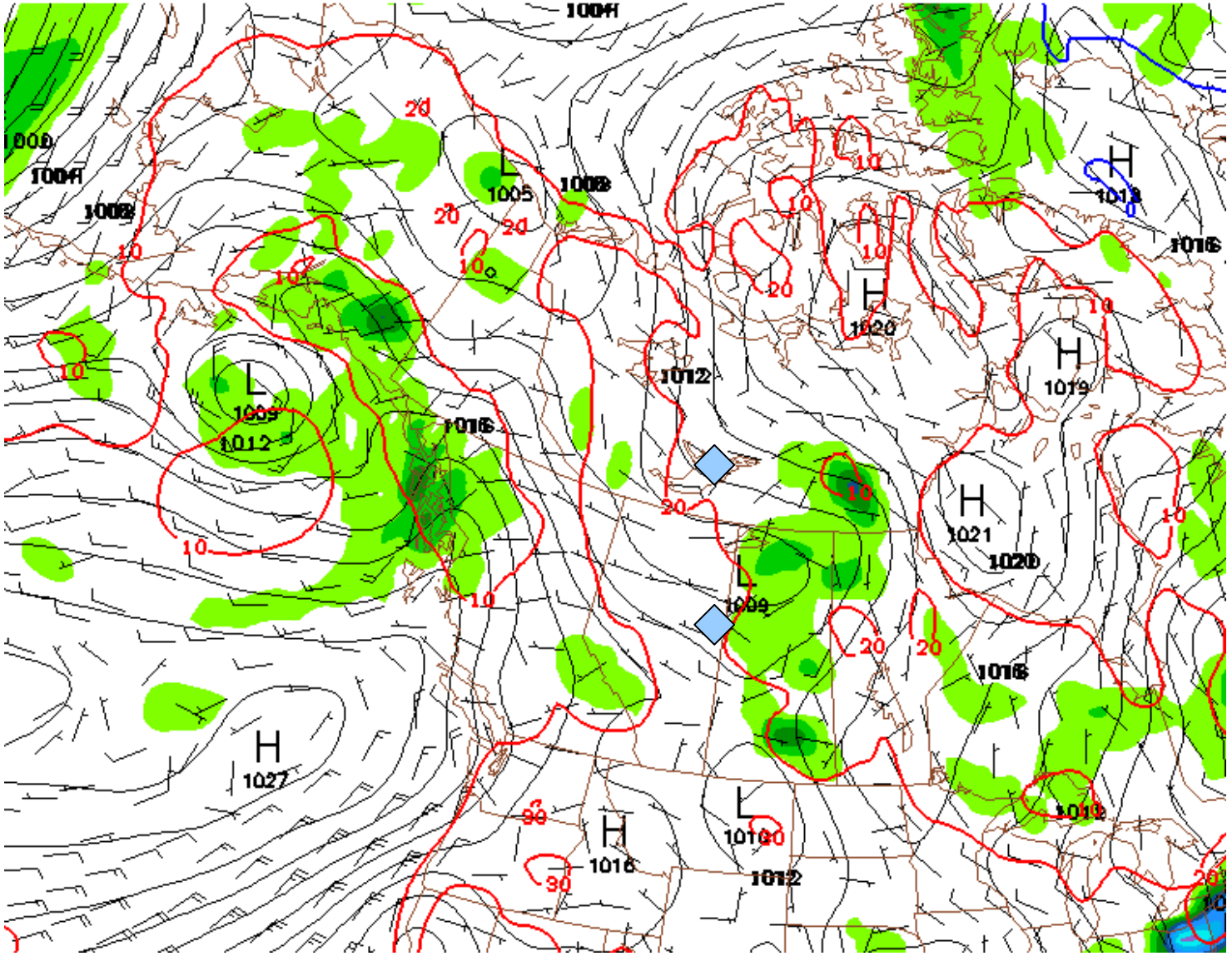
# Tuesday Surface and Precip



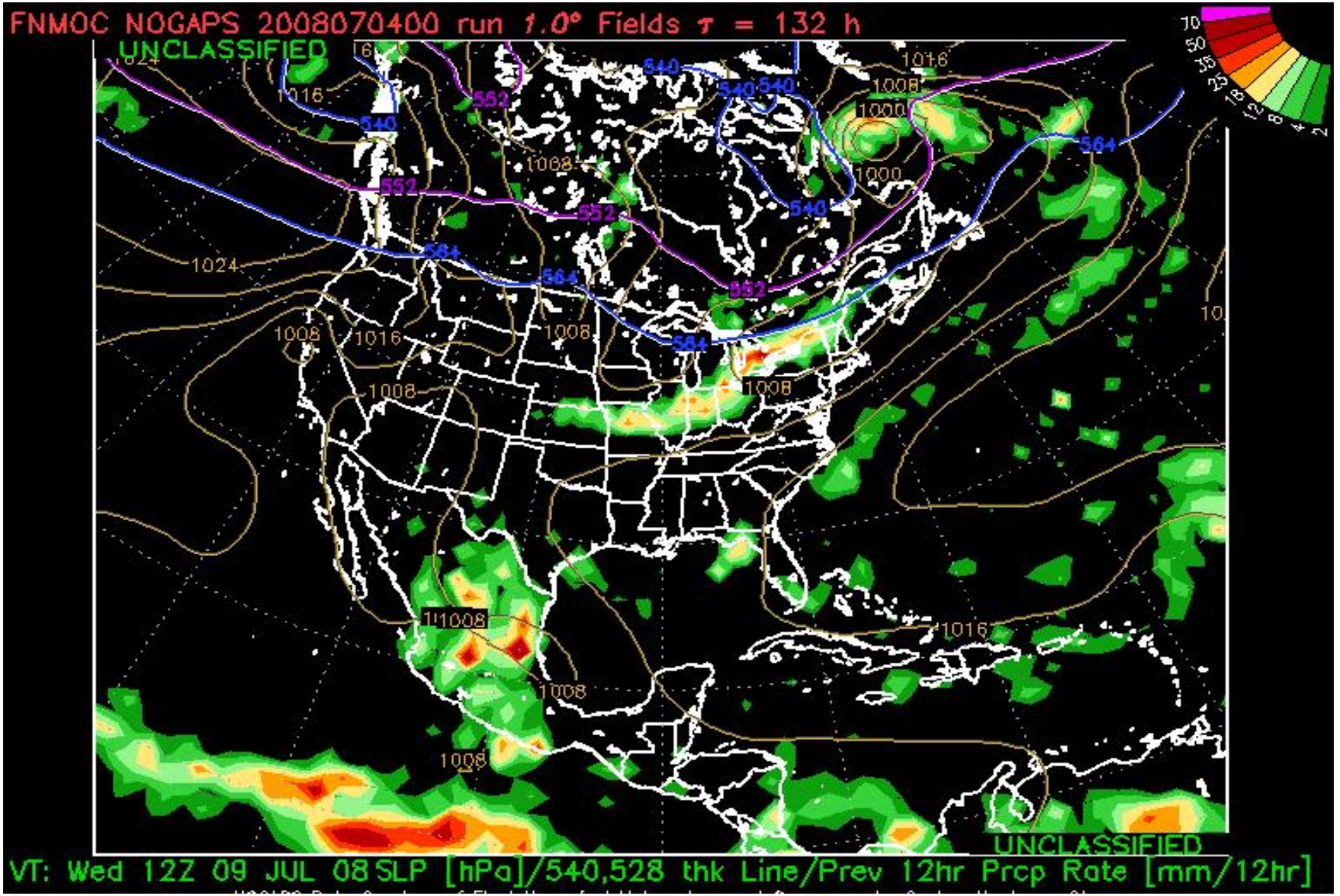
# Tuesday Cloud Cover



# Wednesday Surface and Precip



# Wednesday Cloud Amounts



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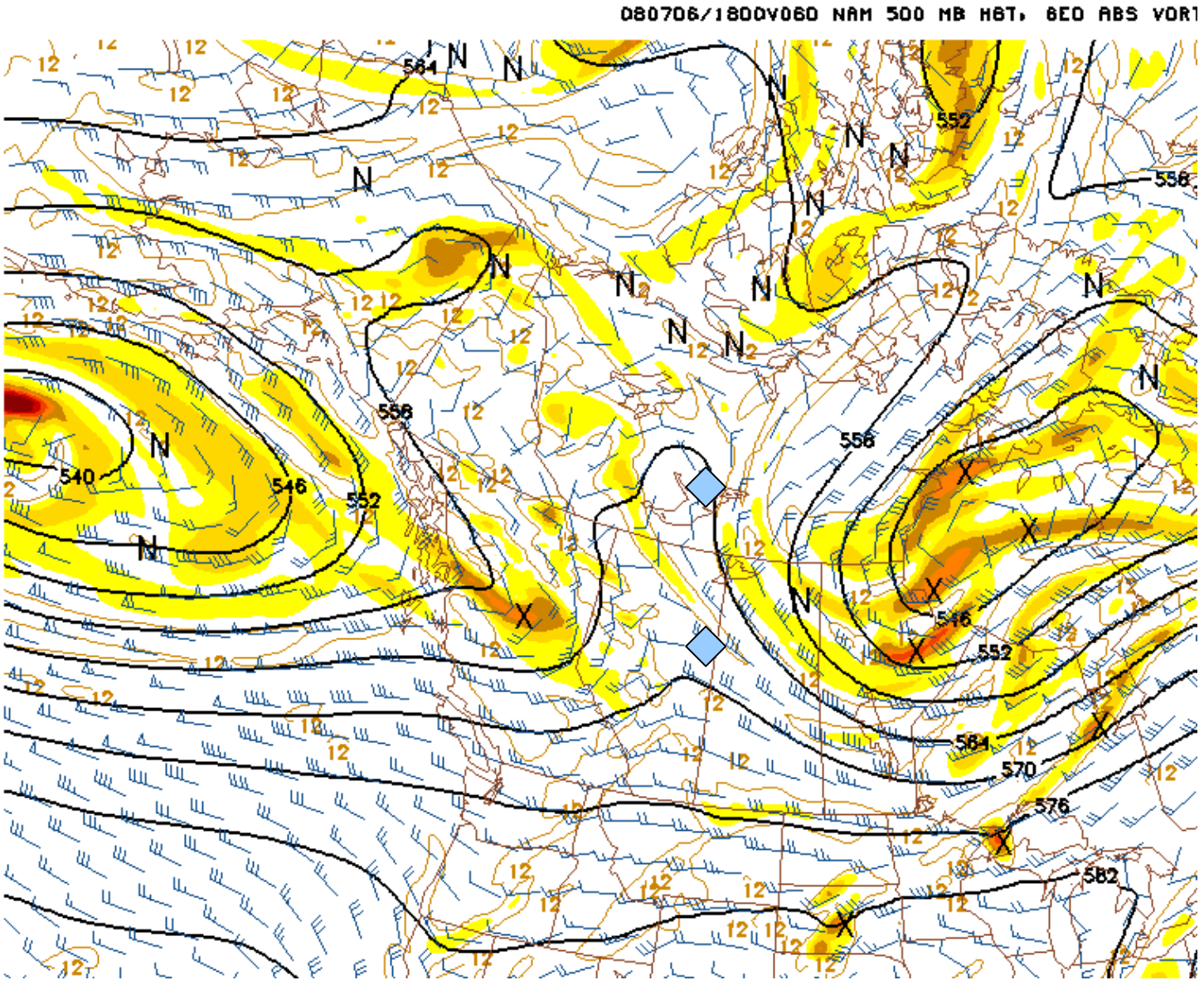

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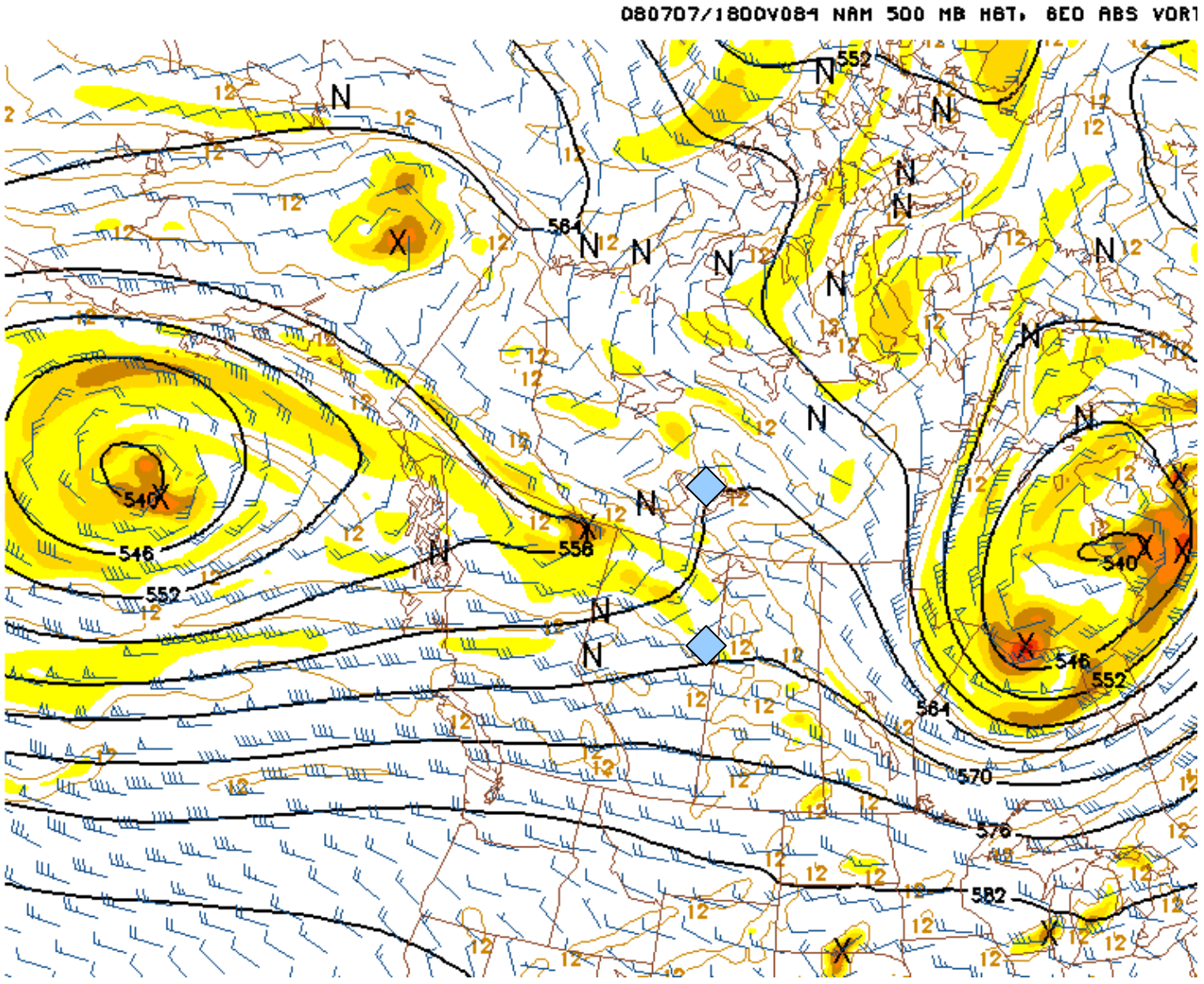

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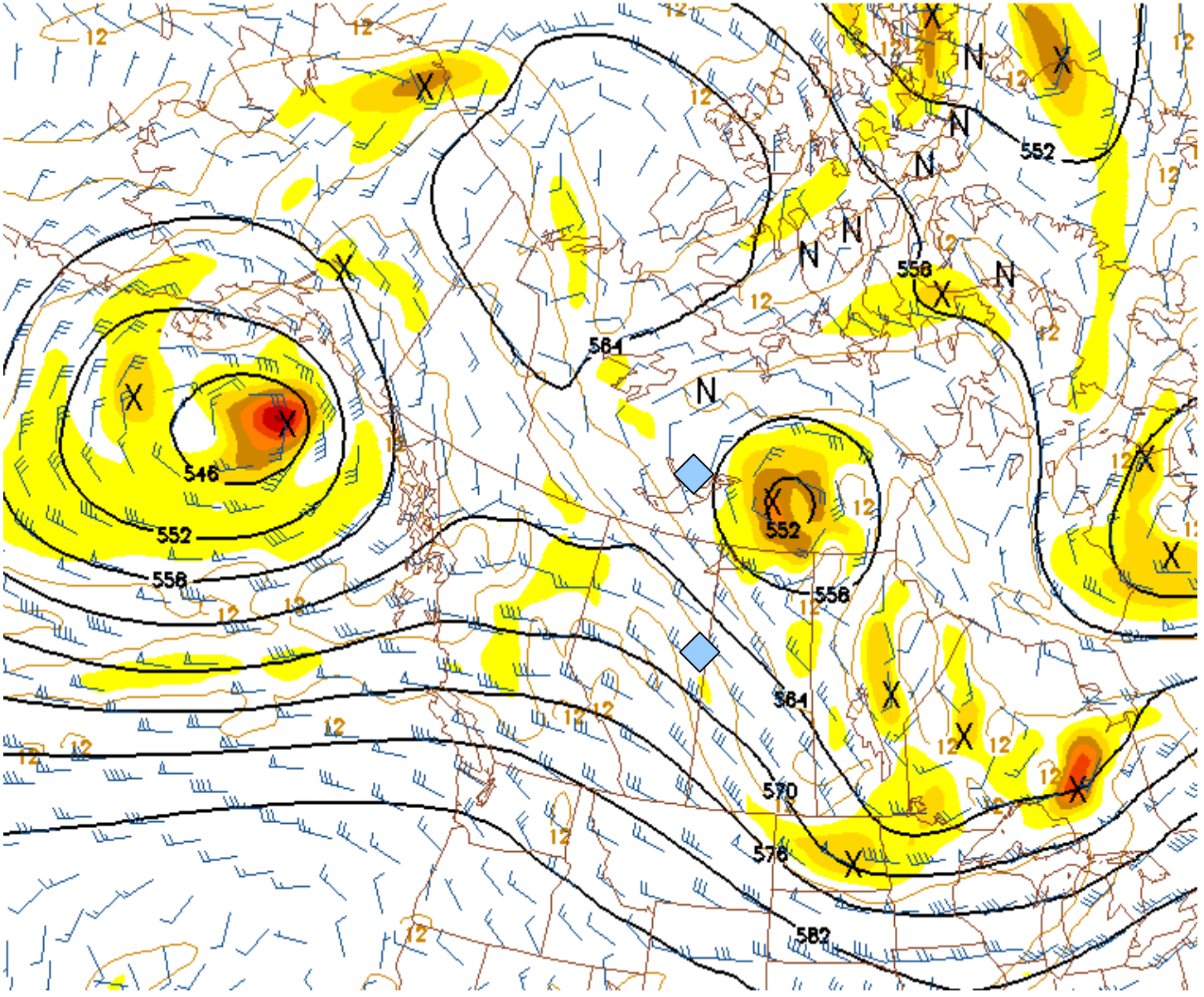

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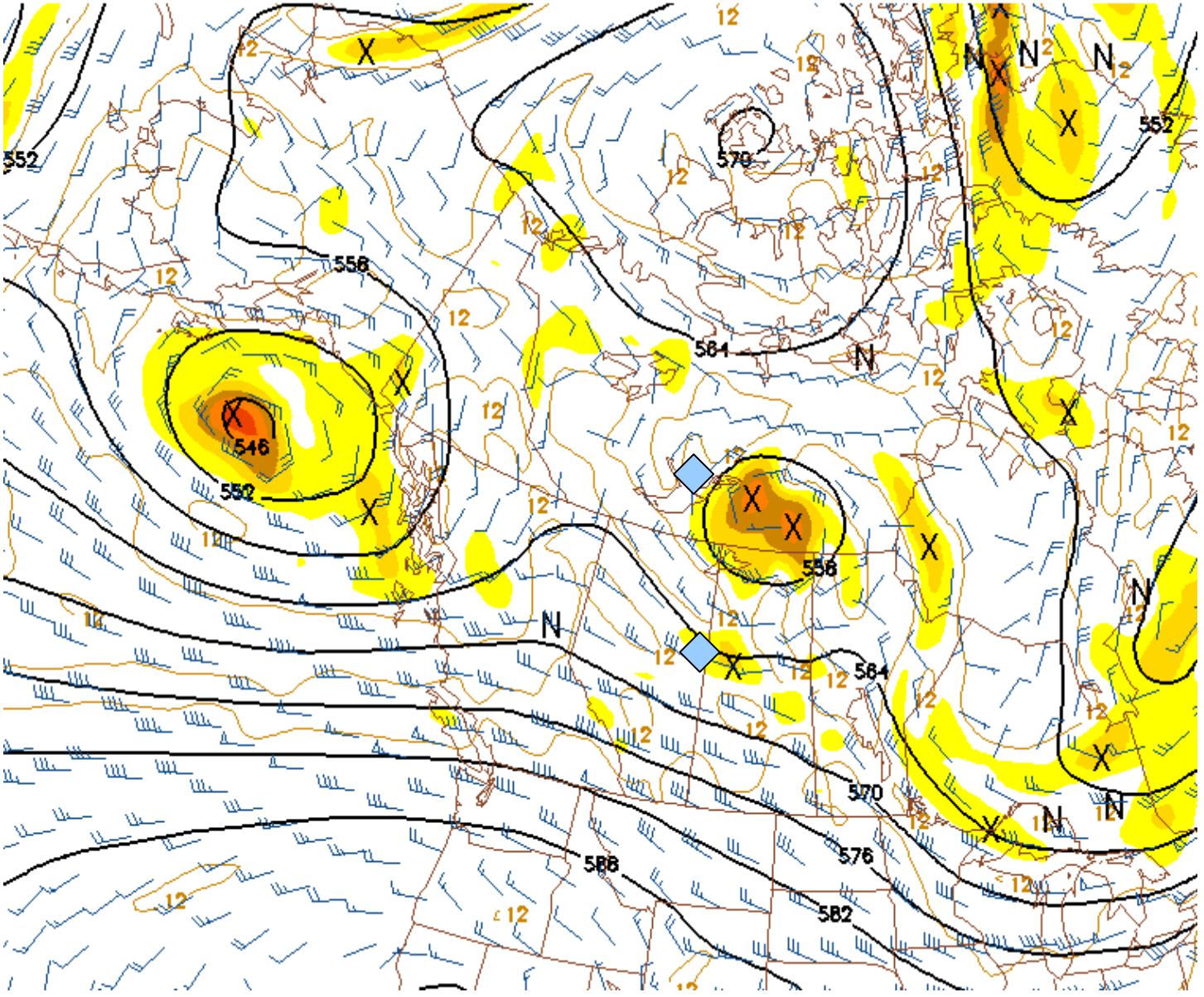

# Cold Lake Forecast

- **Today:** Increasing cloudiness this morning. High 31. UV index 7 or high.
- **Tonight:** Cloudy with 60 percent chance of showers. Risk of a thunderstorm. Wind becoming west 20 km/h overnight. Low 15.
- **Saturday:** Cloudy. 30 percent chance of showers in the morning. Clearing late in the day. Wind northwest 30 km/h gusting to 50 becoming light in the evening. High 24.
- **Sunday:** Cloudy with 60 percent chance of showers. Low 14. High 20.
- **Monday:** A mix of sun and cloud. Low 12. High 22.
- **Tuesday:** A mix of sun and cloud. Low 11. High 22.

# Yellowknife Forecast

- **Today:** A mix of sun and cloud. Clearing late this afternoon. High 20. UV index 6 or high.
- **Tonight:** Clear. Low 11.
- **Saturday:** Sunny. Wind becoming east 20 km/h late in the day. High 19.
- **Sunday:** Sunny. Low 11. High 20.
- **Monday:** Sunny. Low 12. High 21.
- **Tuesday:** Sunny. Low 14. High 18.

# Thule Forecast

| | | | | |
|---|---|---|---|---|
| **Friday 4/7/2008** | High | Low | **43°F** | **43°F** |
| **Saturday 5/7/2008** | High | Low | **43°F** | **41°F** |
| **Sunday 6/7/2008** | High | Low | **43°F** | **41°F** |
| **Monday 7/7/2008** | High | Low | **45°F** | **39°F** |
| **Tuesday 8/7/2008** | High | Low | **46°F** | **43°F** |