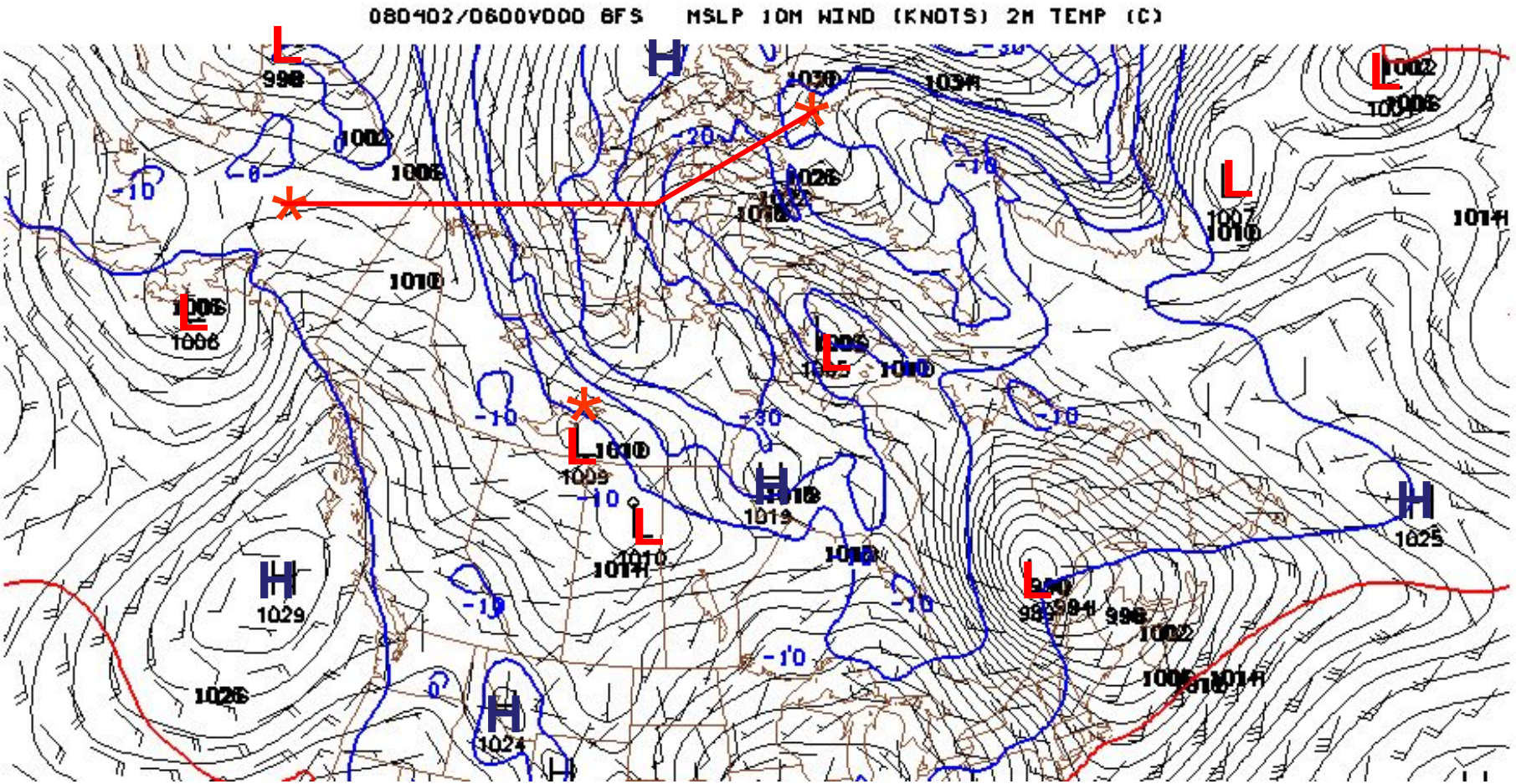
Flight Day Conditions

April 4 2008

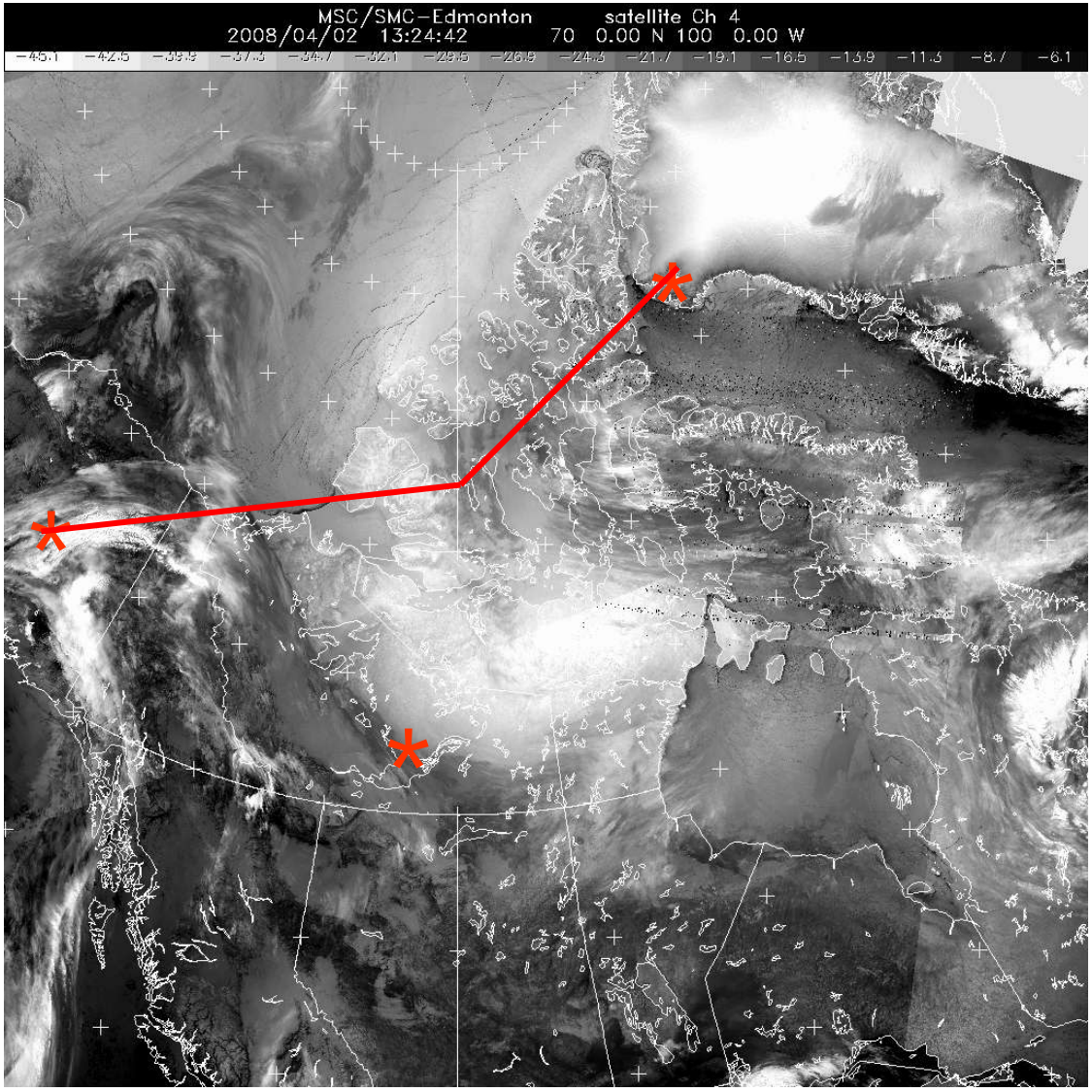
Henry Fuelberg
Andy Latto

“Your Eyes to the Skies”

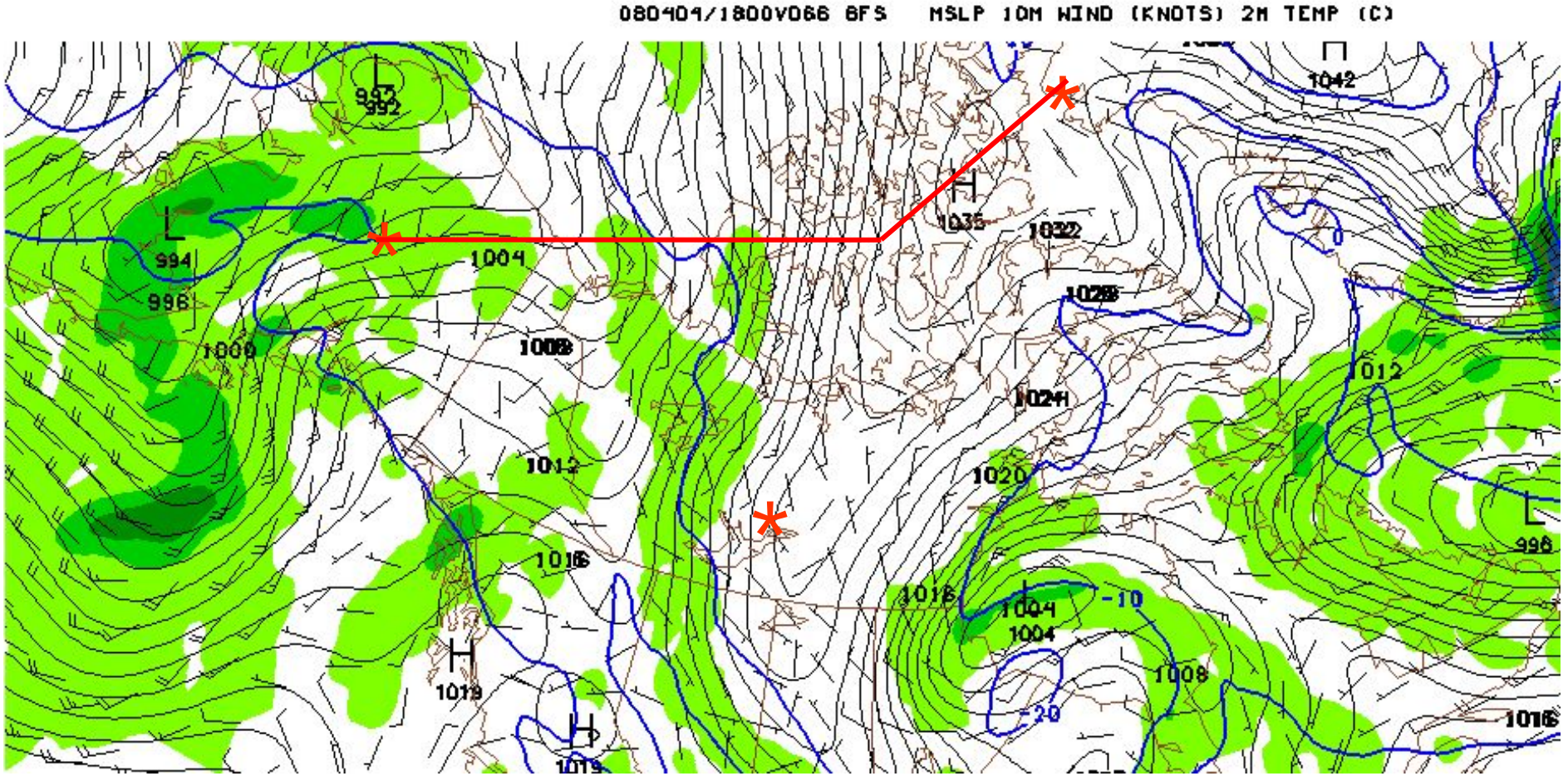
GFS 0600z Surface Analysis



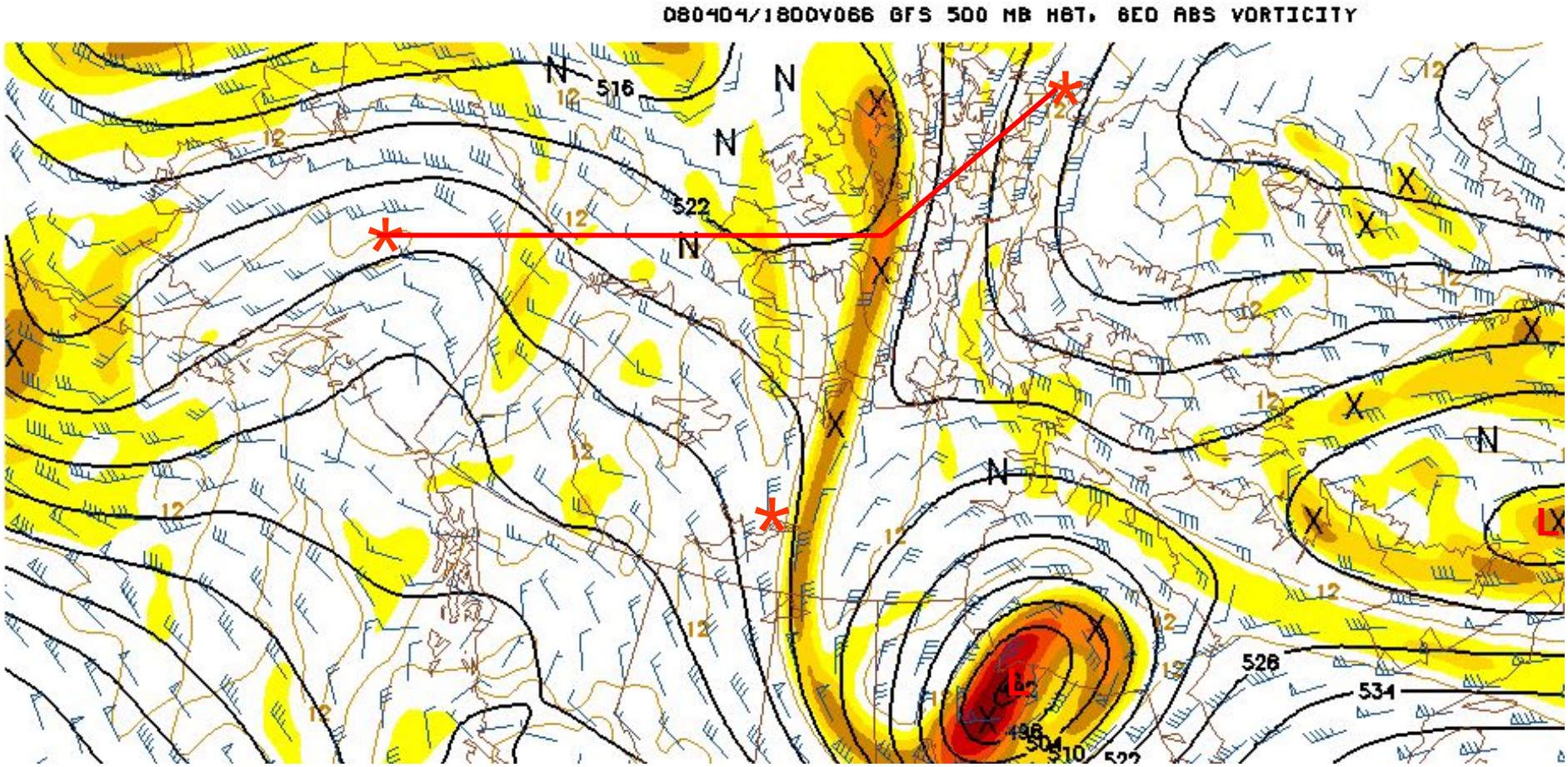
Current IR Satellite Image



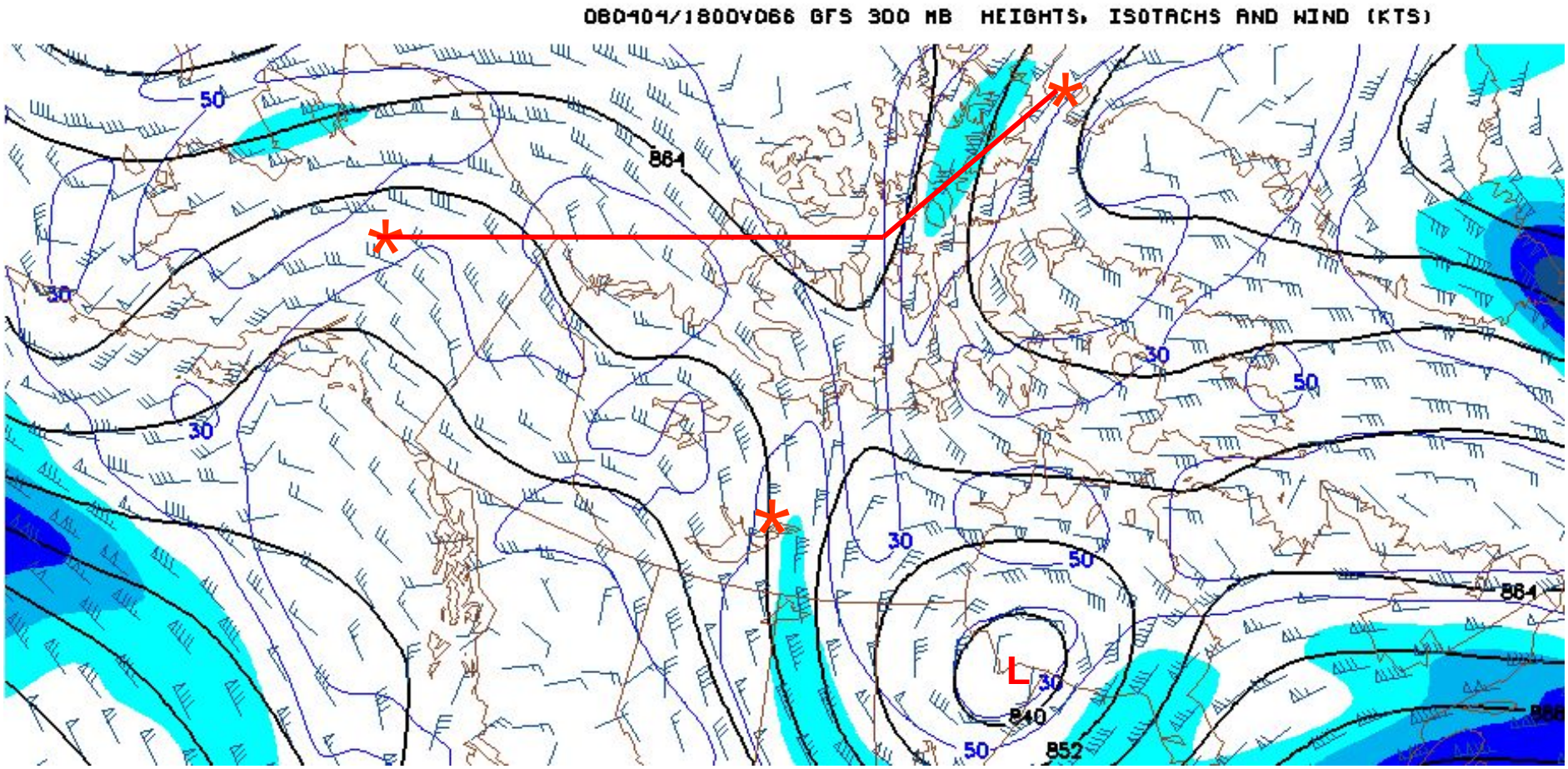
GFS Forecast Valid 1800Z April 4
SLP, 10 m winds, 6 h precip



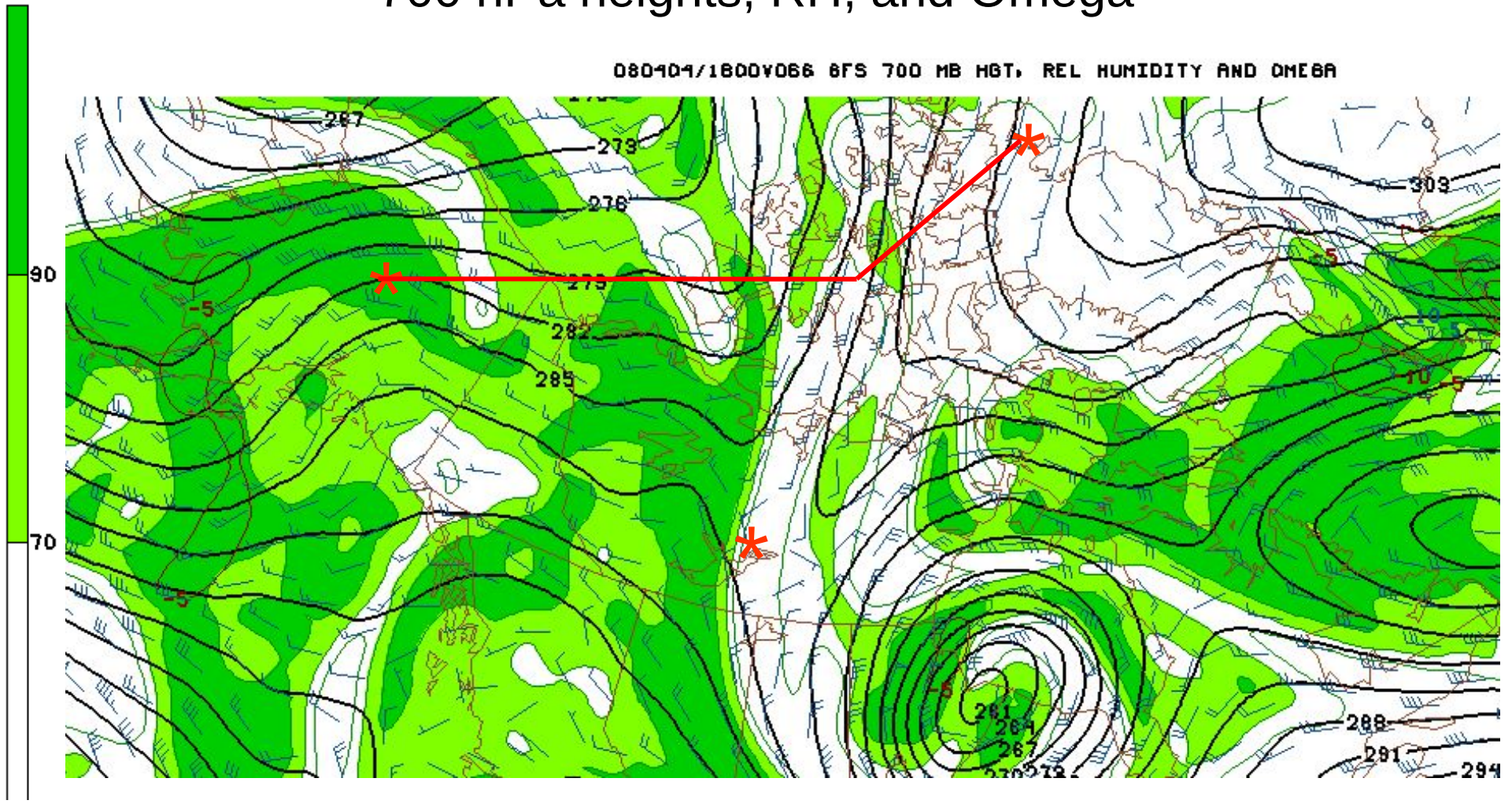
GFS Forecast Valid 1800Z April 4
500 hPa heights, vorticity, and winds



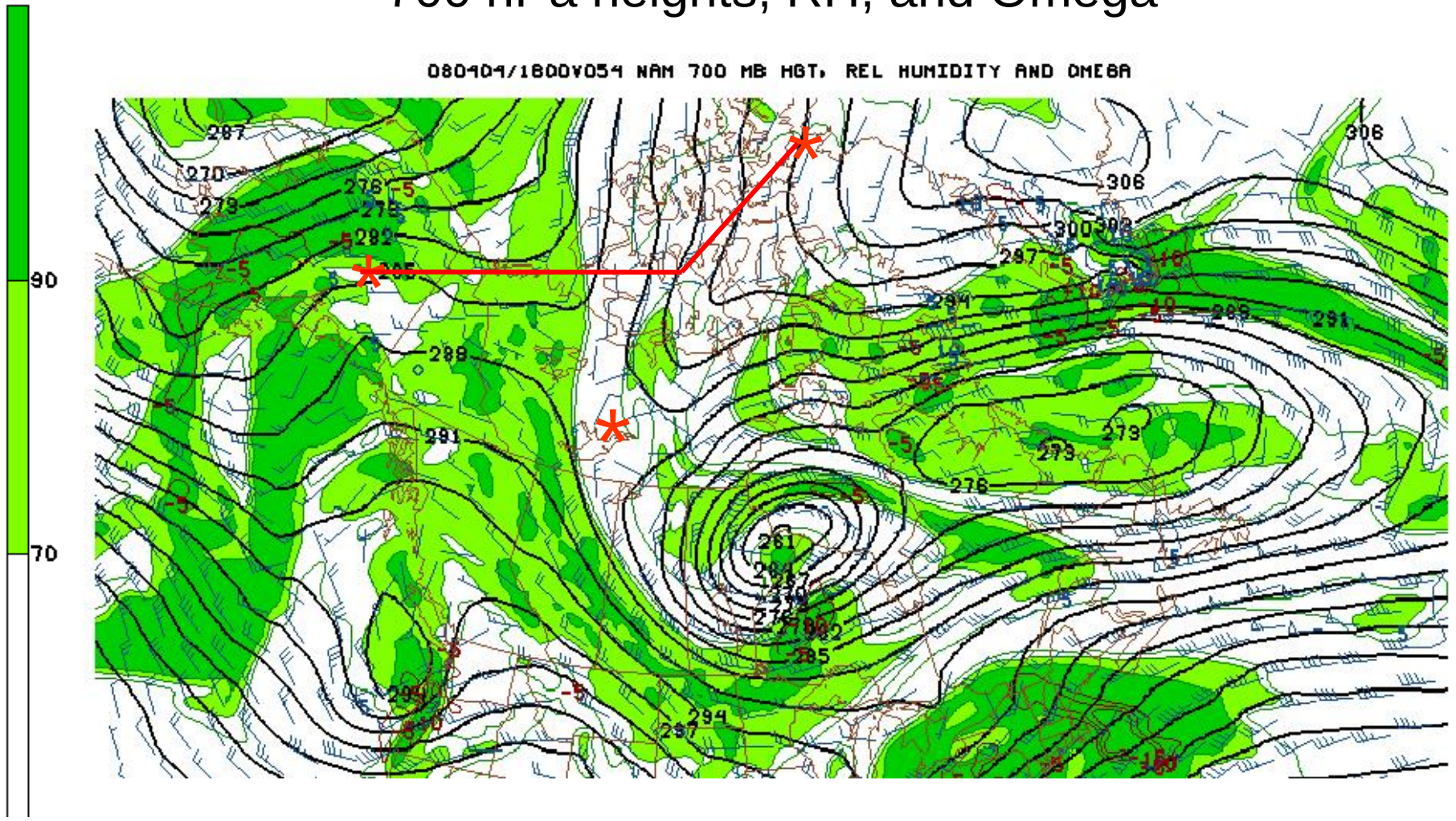
GFS Forecast Valid 1800Z April 4
300 hPa winds and heights



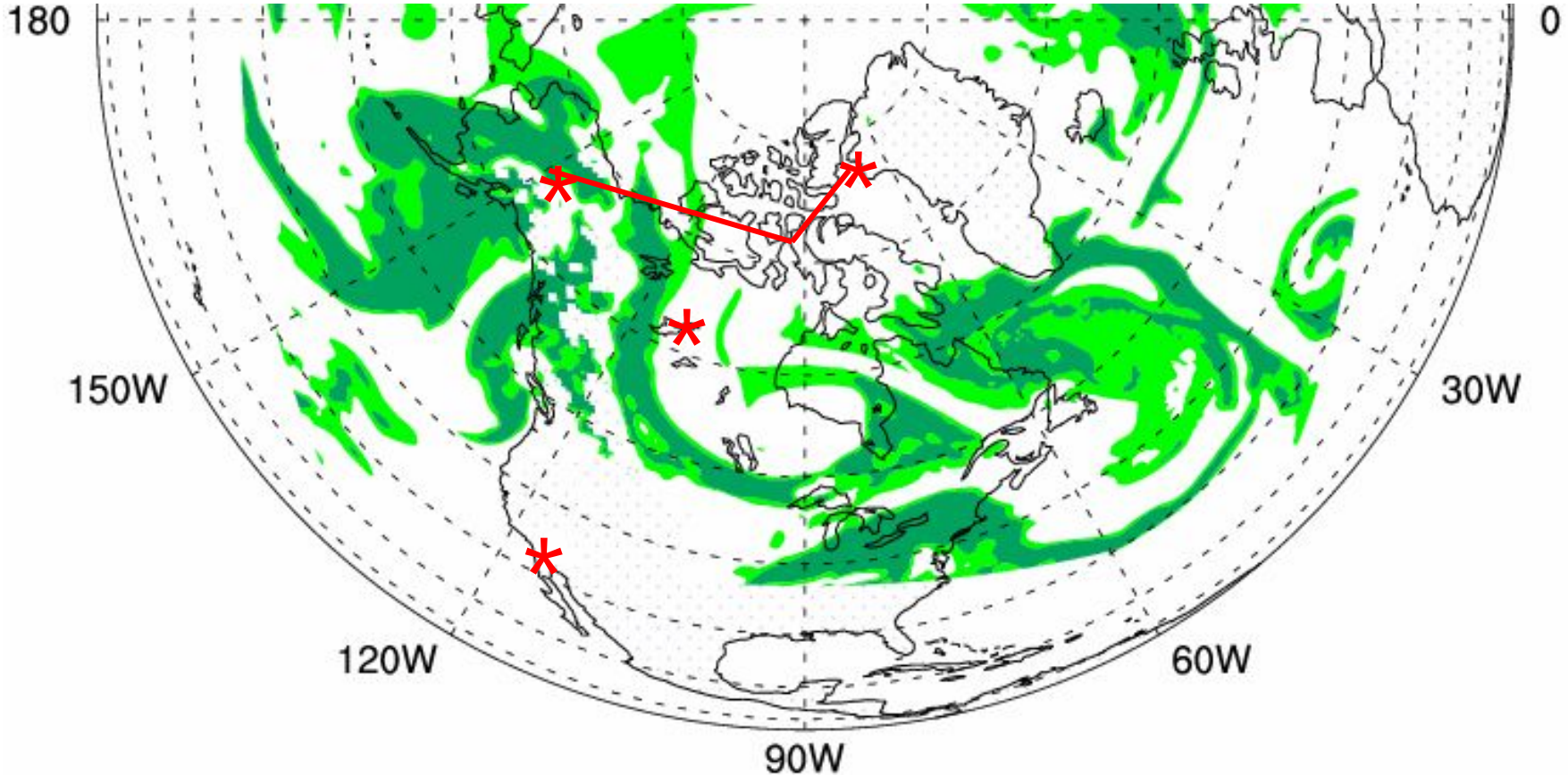
GFS Forecast Valid 1800Z April 4
700 hPa heights, RH, and Omega



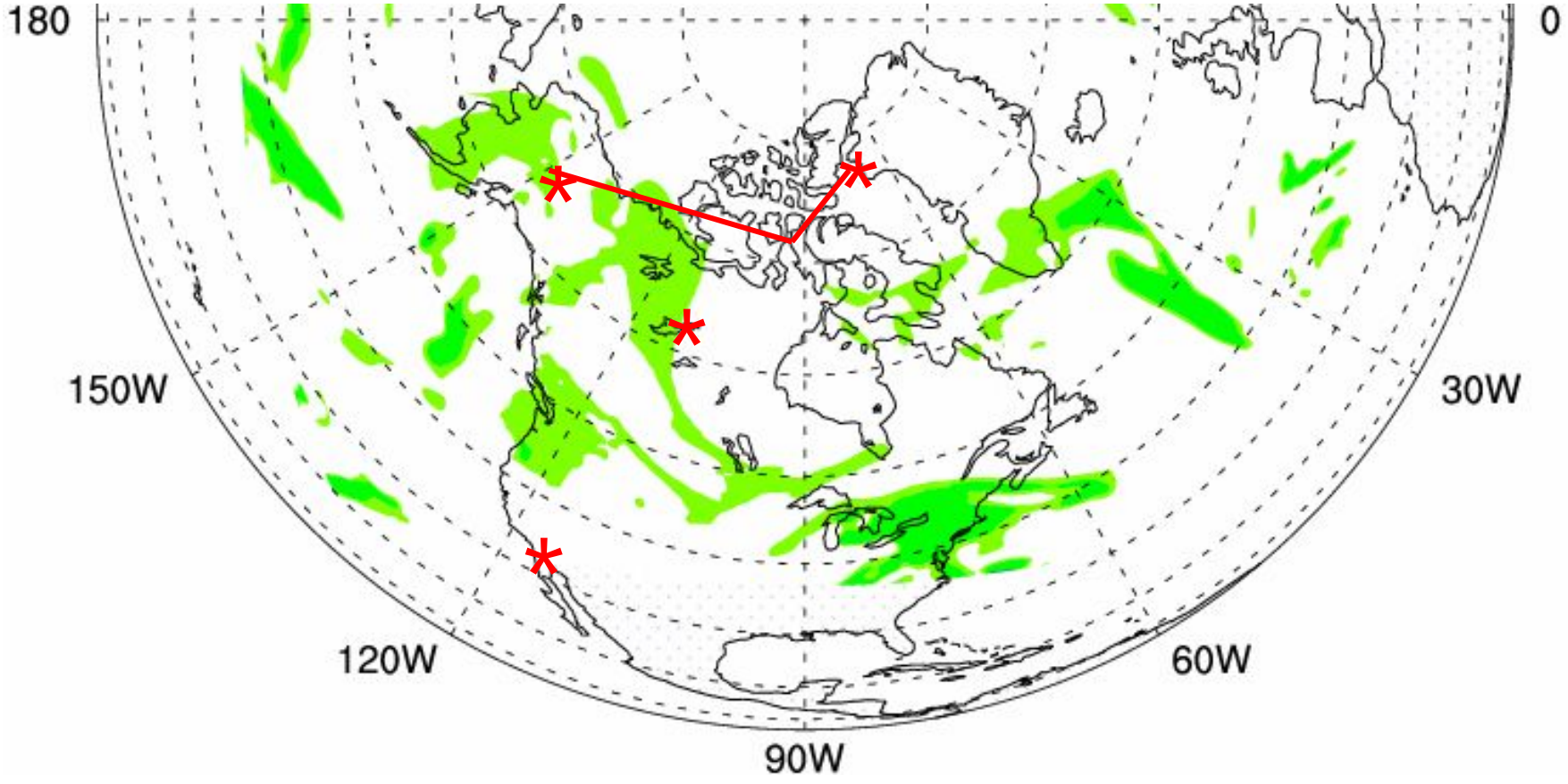
NAM Forecast (12Z run) Valid 1800Z April 4
700 hPa heights, RH, and Omega



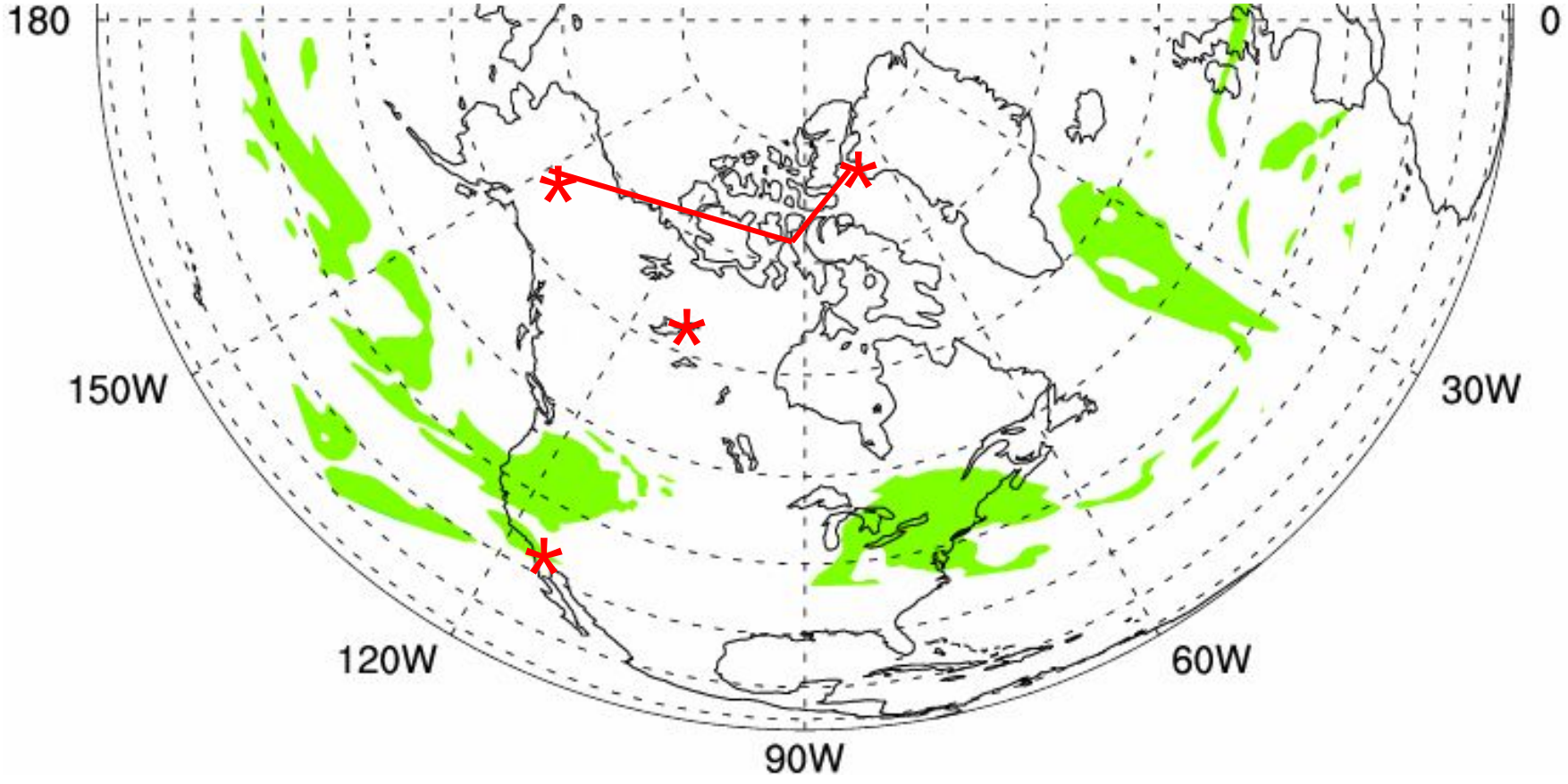
FSU WRF Relative Humidity at 850 hPa Forecast Valid 1800 Z April 4



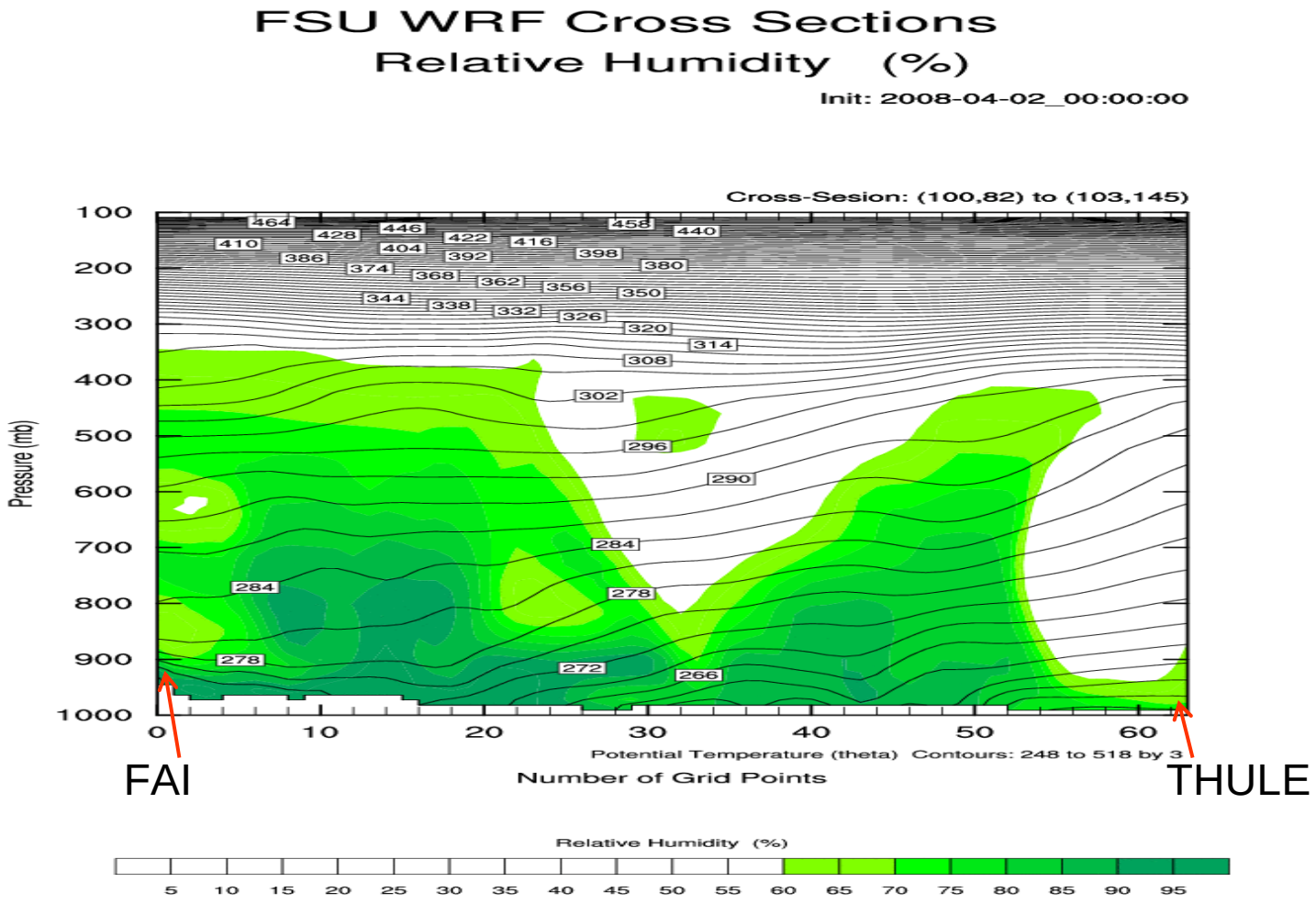
FSU WRF Relative Humidity at 500 hPa Forecast Valid 1800 Z April 4



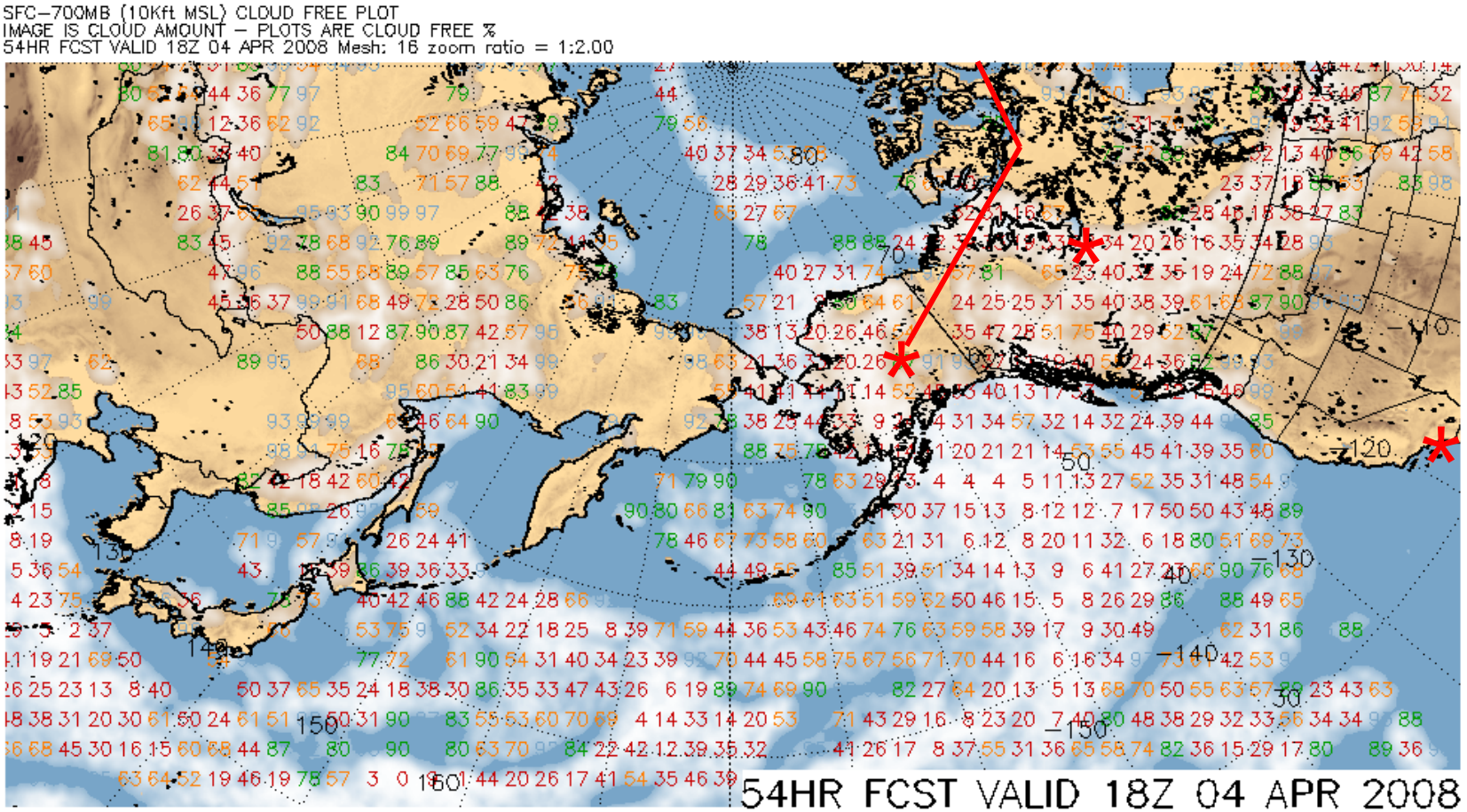
FSU WRF Relative Humidity at 850 hPa Forecast Valid 1800 Z April 4



FSU WRF RH Cross Section P-3 Flight Path Forecast Valid 1800 Z April 4



Air Force SFC to 700 hPa cloud cover for comparison
Valid 1800 Z April 4



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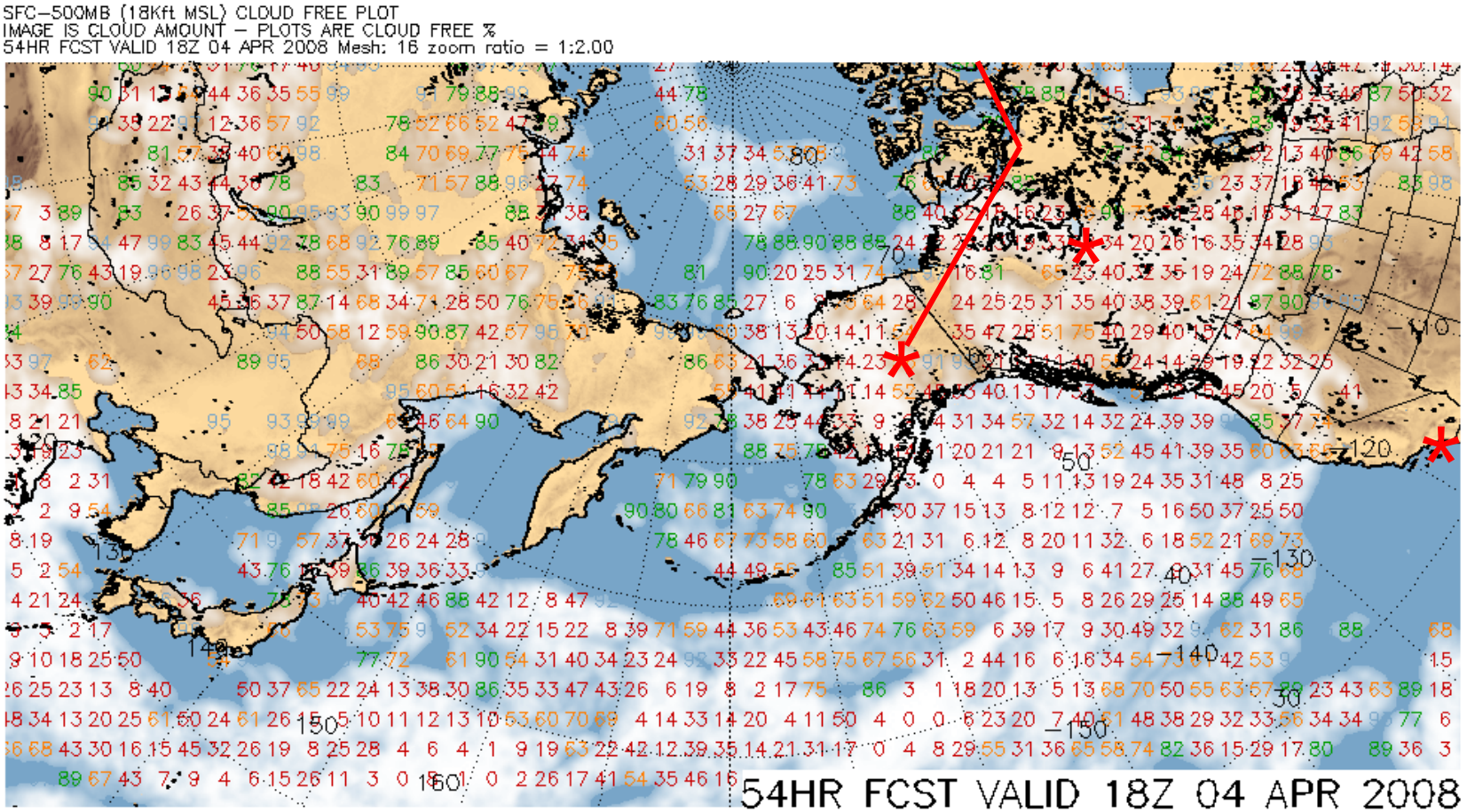
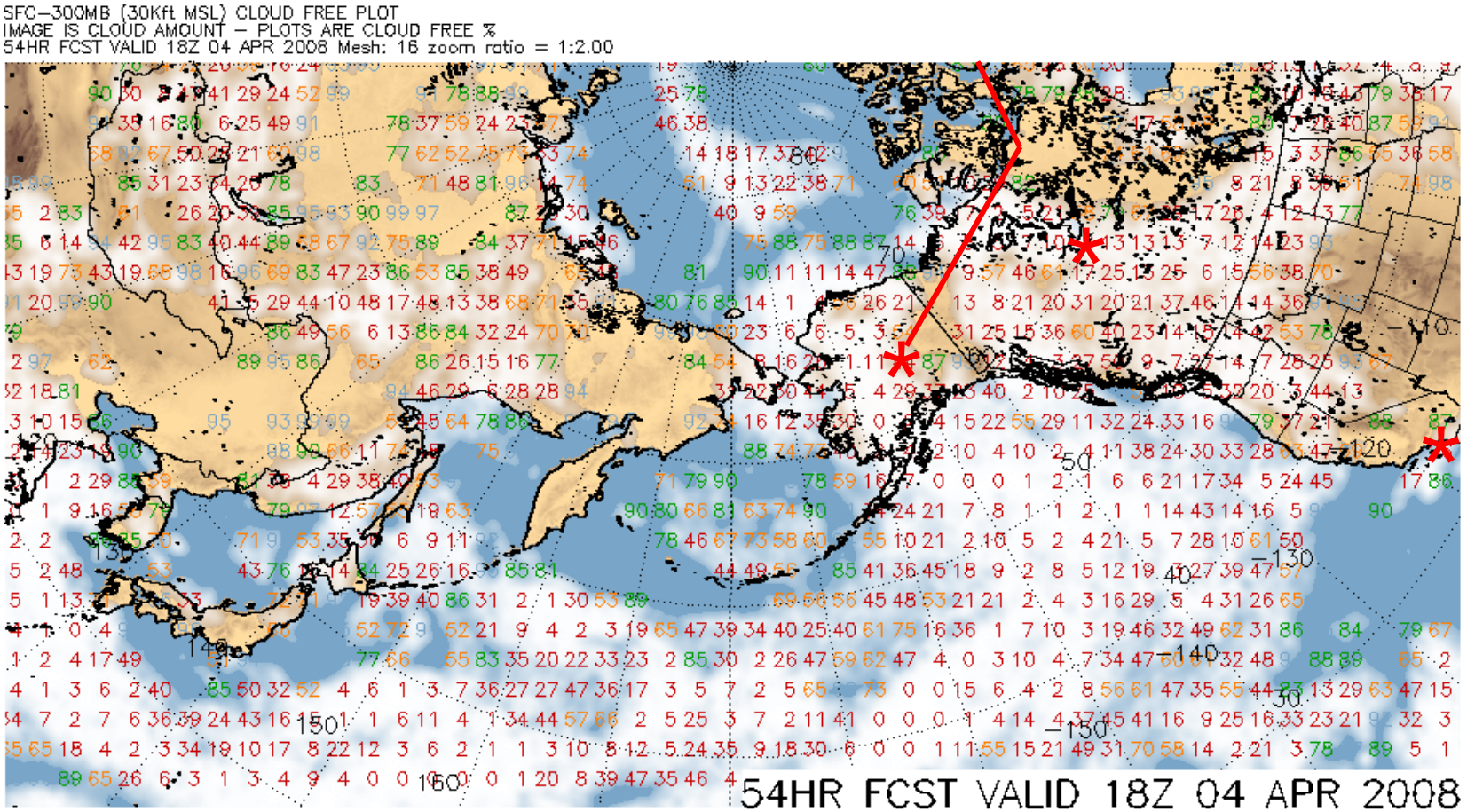
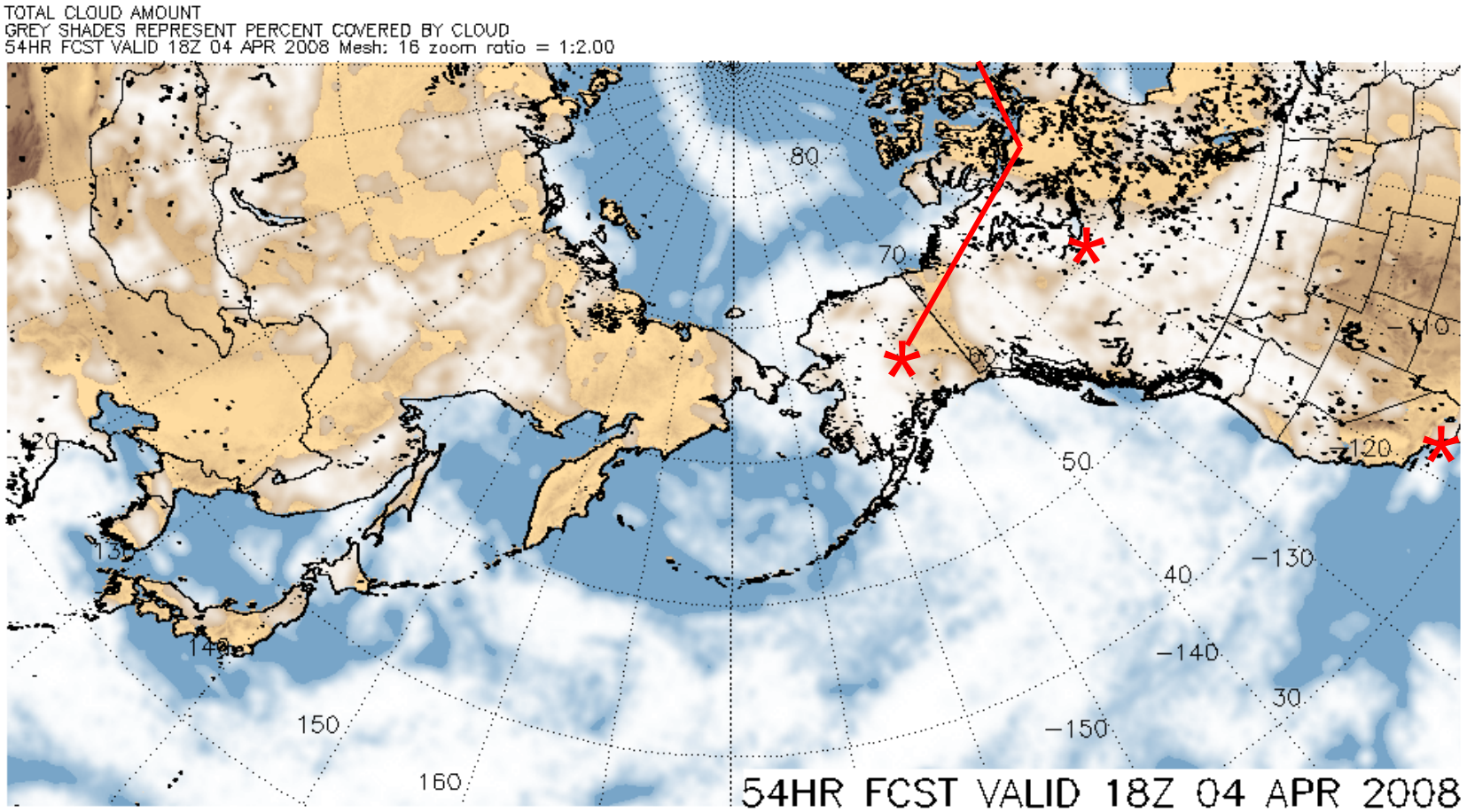


Air Force SFC to 300 hPa cloud cover for comparison
Valid 1800 Z April 4



Air Force Total Cloud Cover for comparison
Valid 1800 Z April 4



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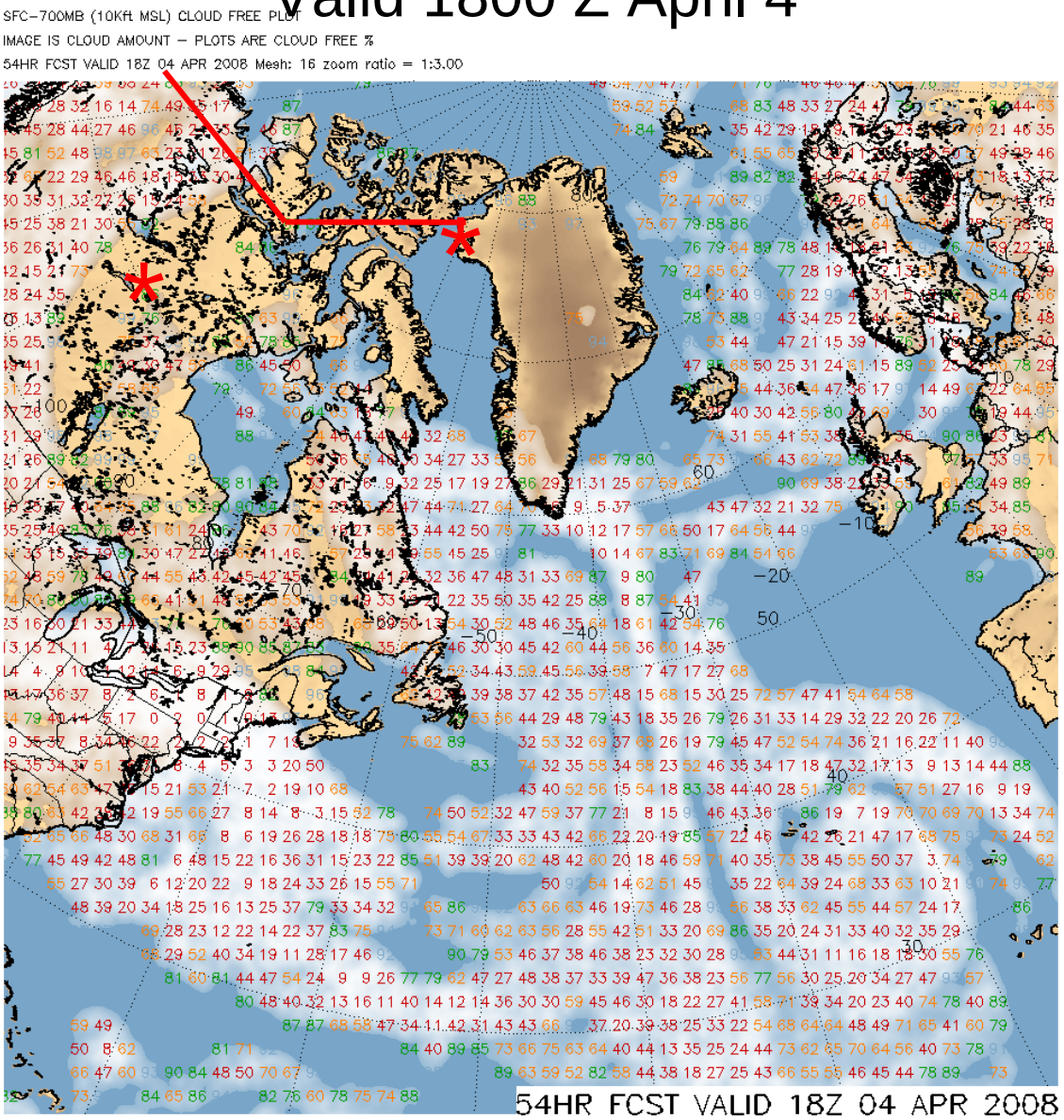

Air Force SFC to 500 hPa cloud cover for comparison
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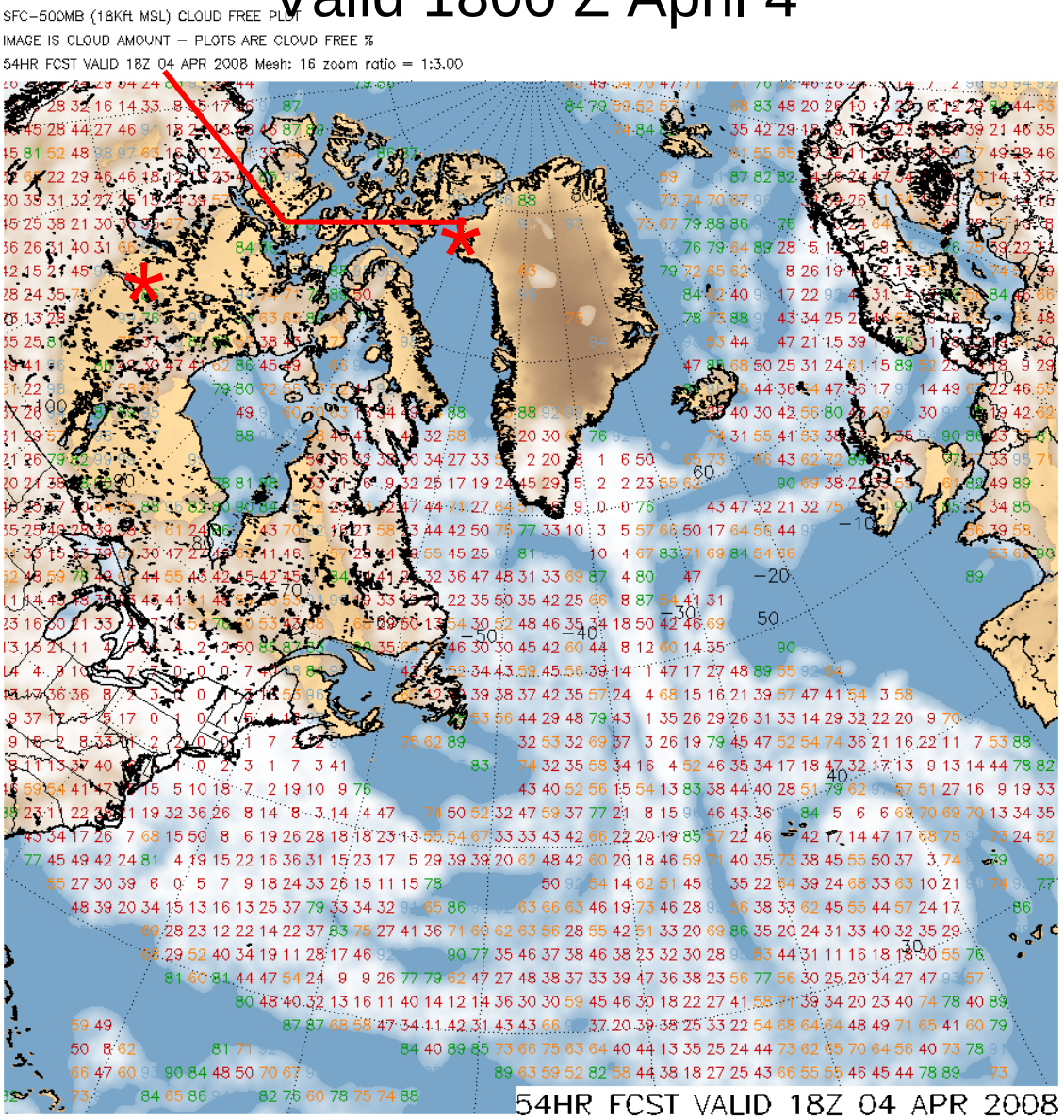

Air Force SFC to 300 hPa cloud cover for comparison
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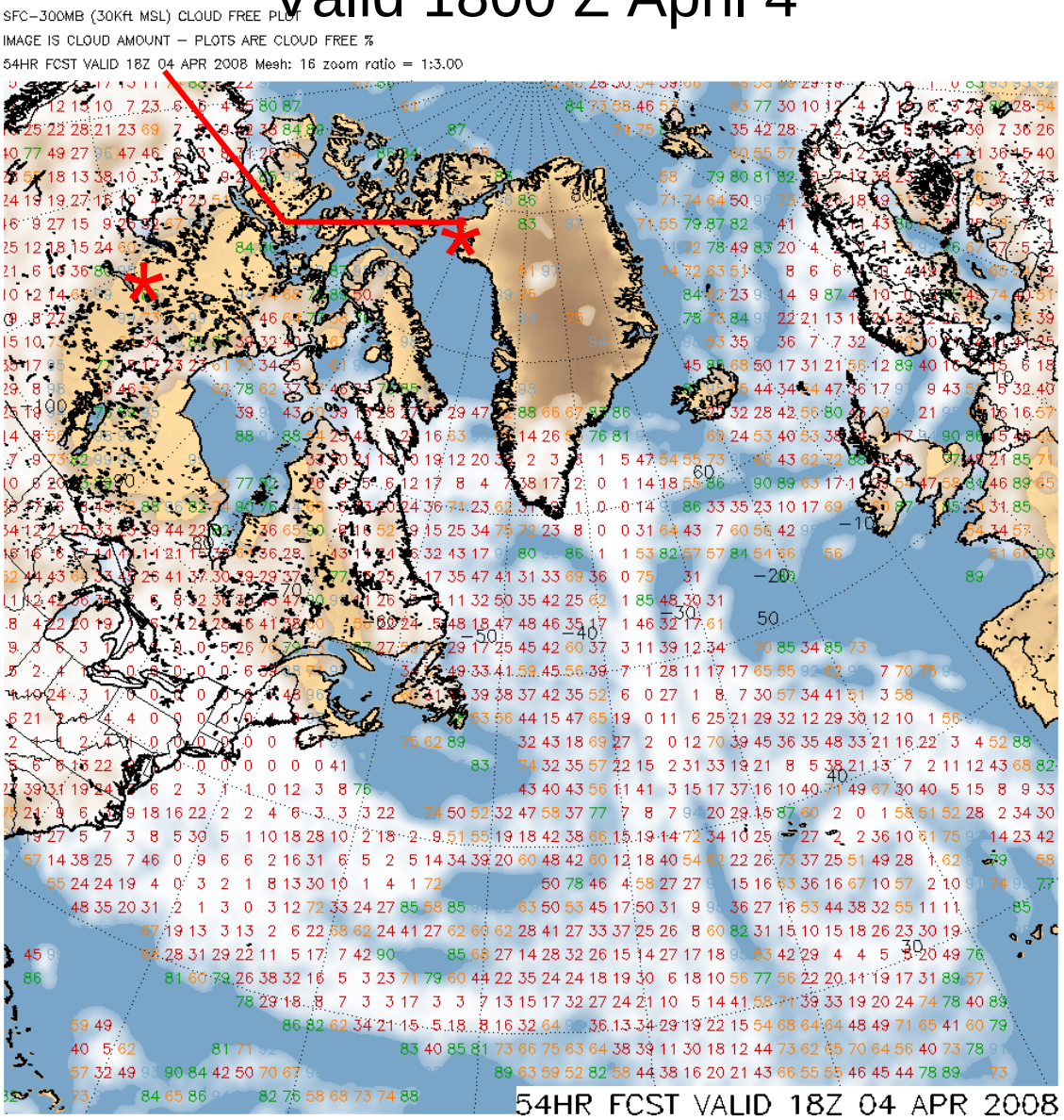

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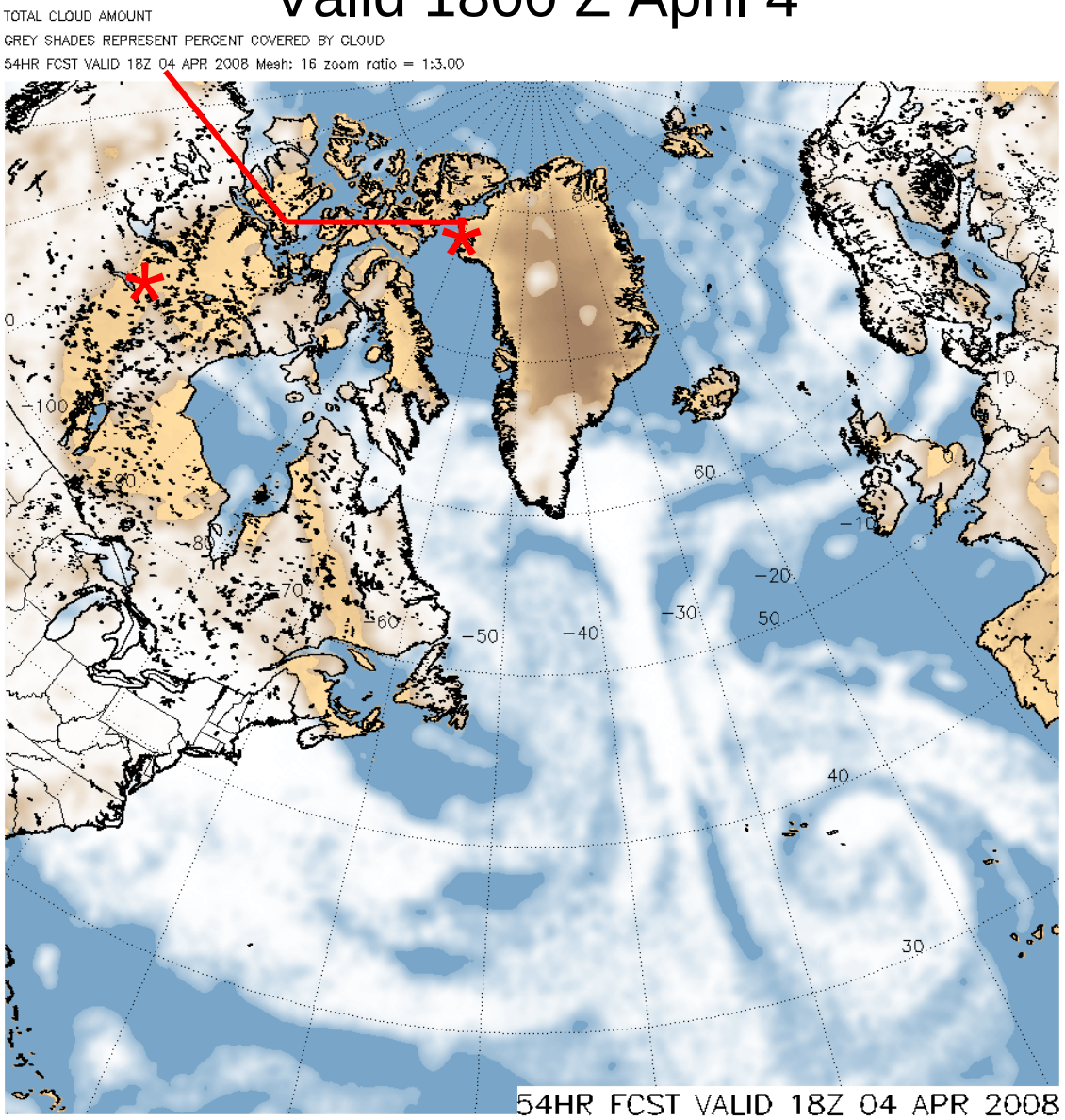
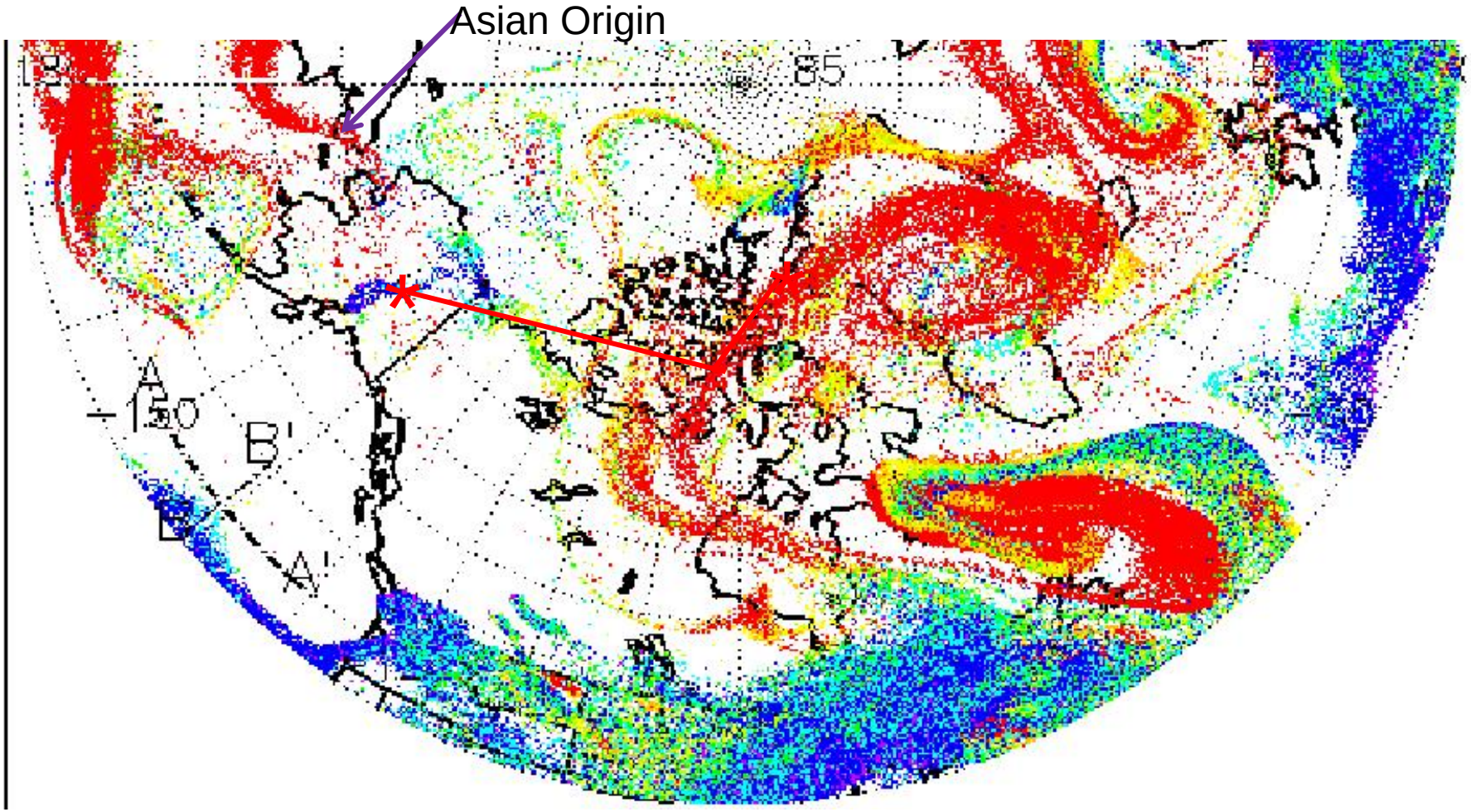
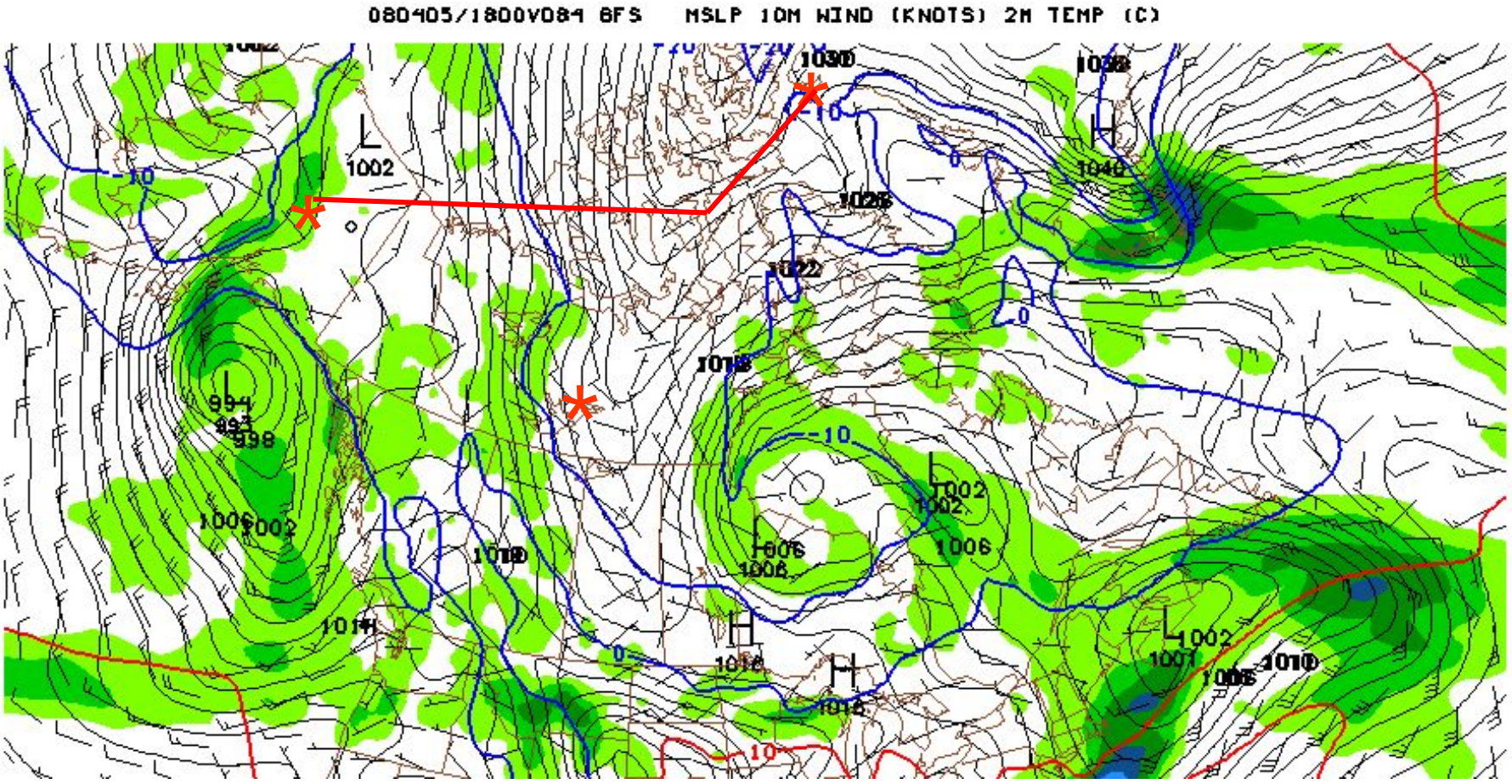


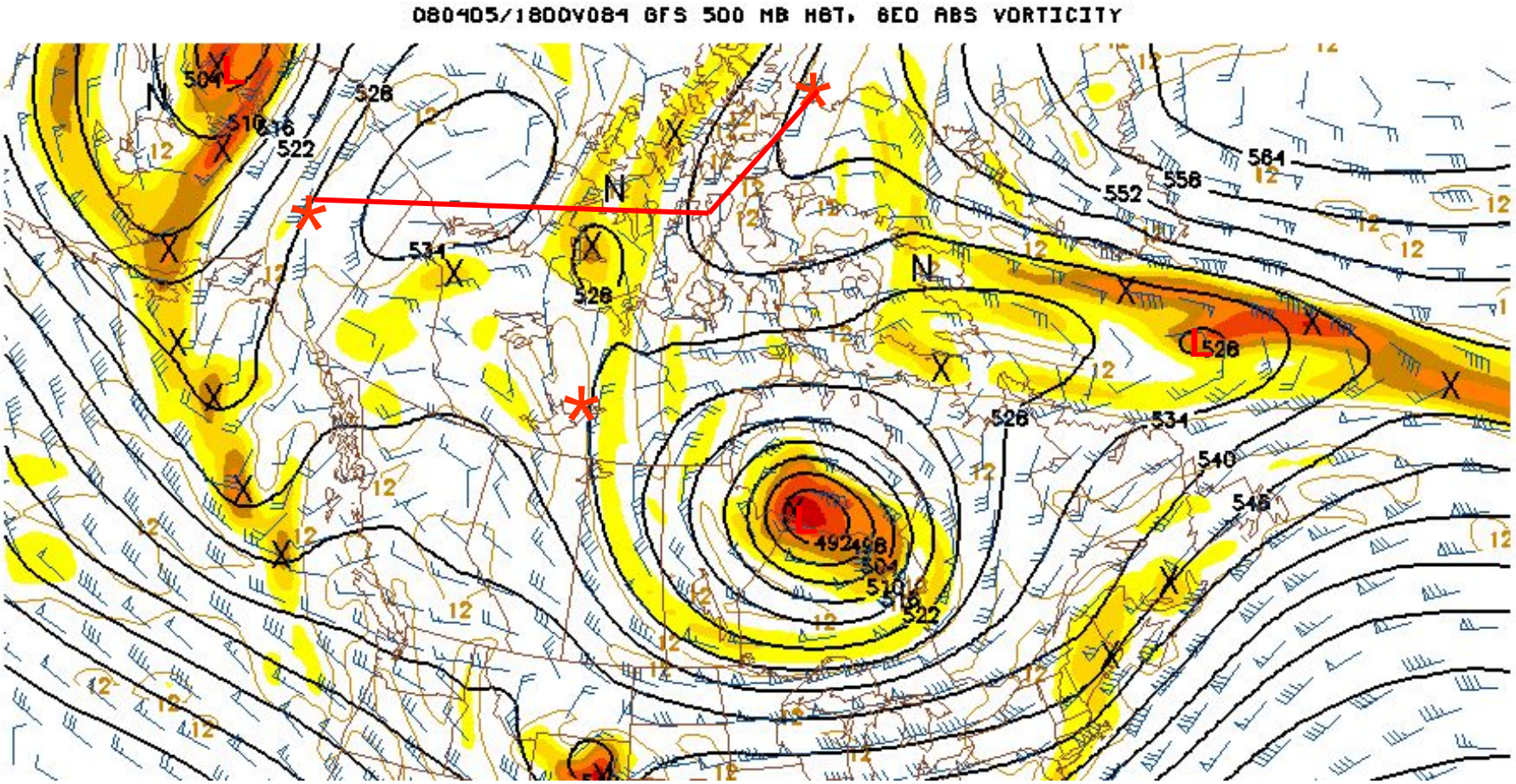
CO Particle Density Valid 1800Z April 4



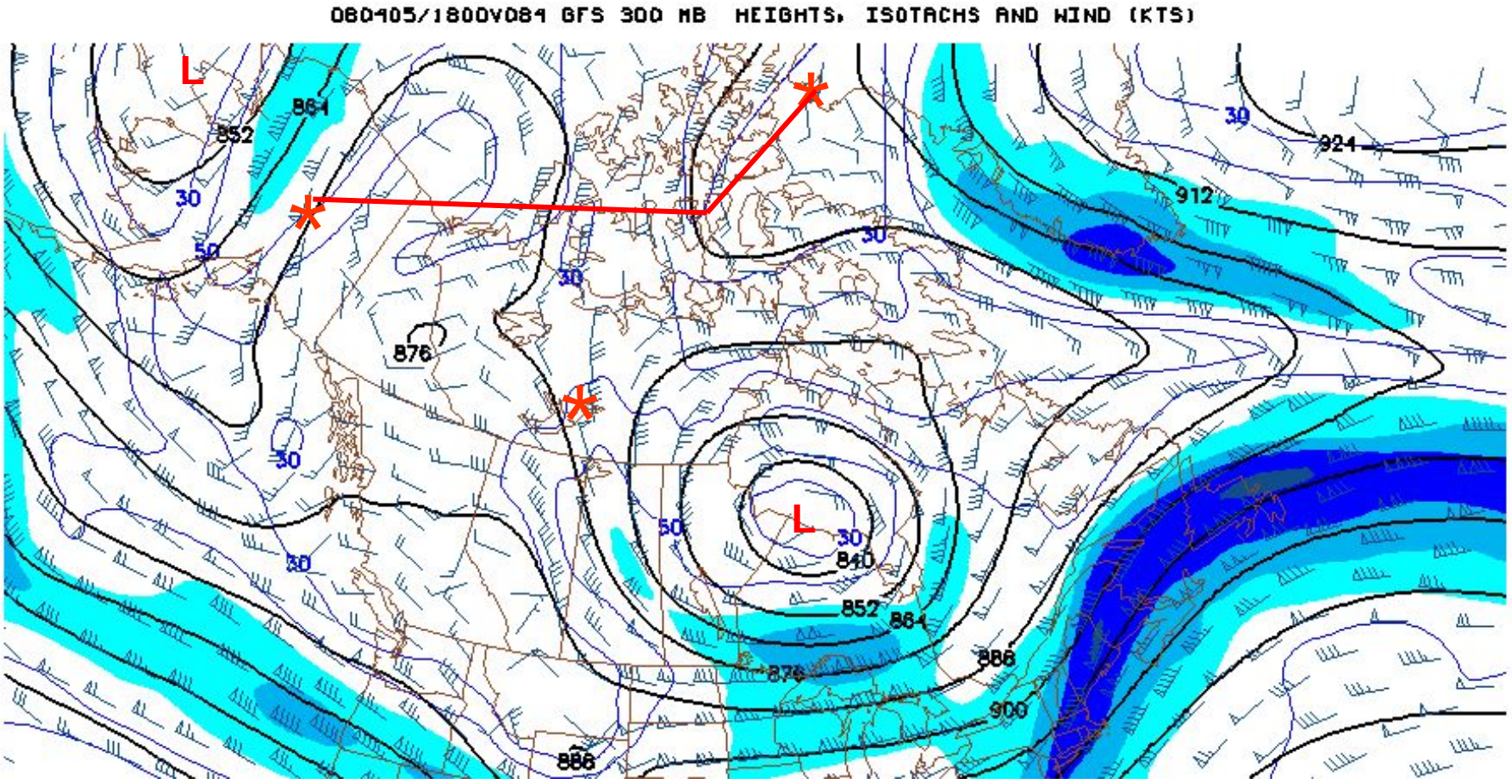
GFS Forecast Valid 1800Z April 5
SLP, 10 m winds, 6 h precip



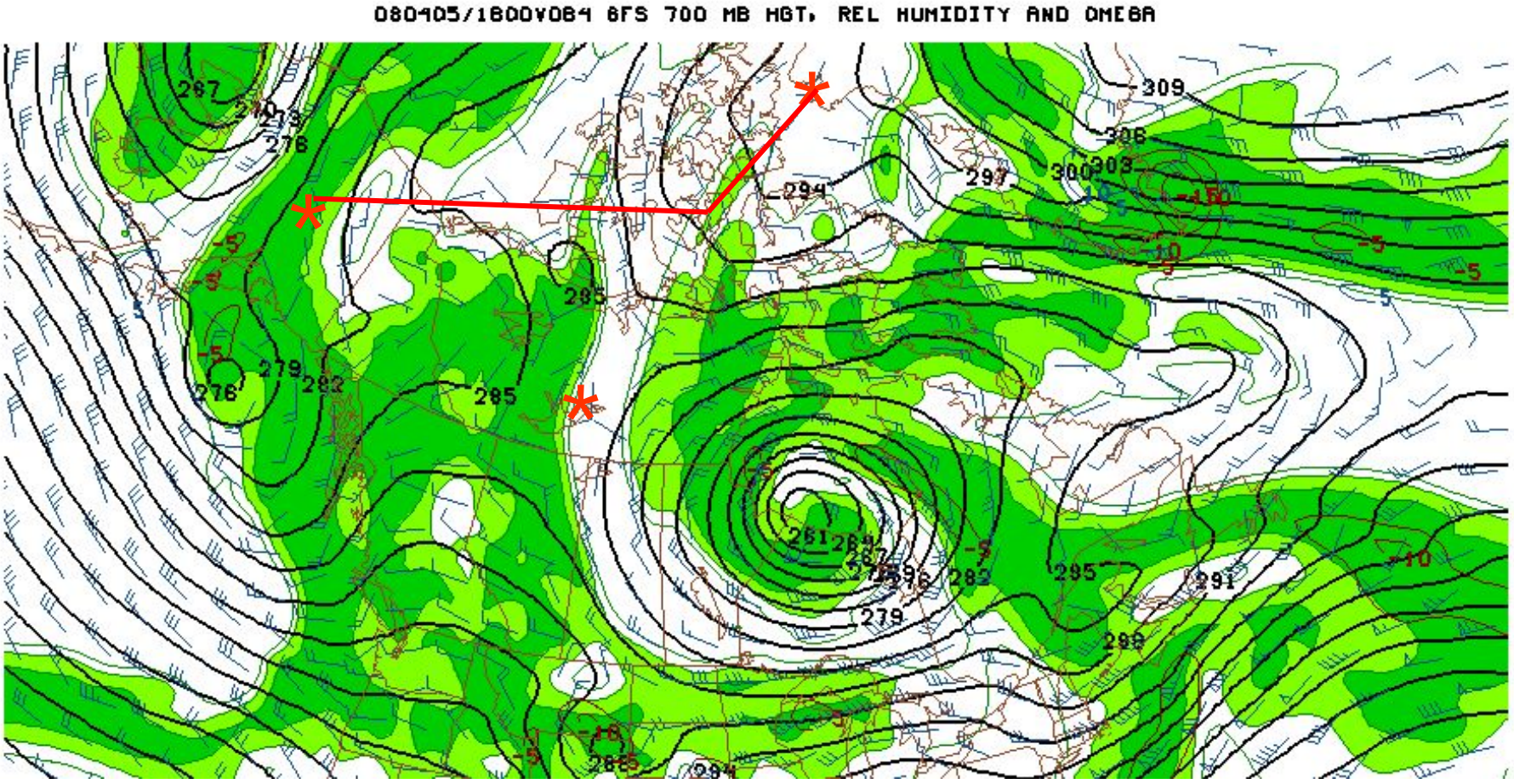
GFS Forecast Valid 1800Z April 5
500 hPa heights, vorticity, and winds



GFS Forecast Valid 1800Z April 5
300 hPa winds and heights

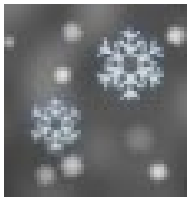


GFS Forecast Valid 1800Z April 5
700 hPa RH, heights, and Omega



Fairbanks AK Forecast

Tonight



Scattered snow showers
Lo: 28F

Thursday

Chance of Rain or Snow
Hi: 43F

Thurs. Night

Mostly Cloudy
Lo: 18F

Friday

Mostly Cloudy
Hi: 45F

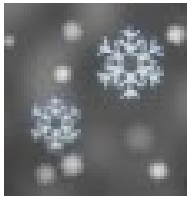
Fri. Night

Mostly Cloudy
Lo: 25F

Saturday

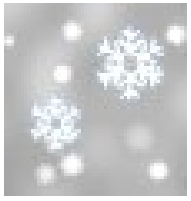
Chance of Rain or Snow
Hi: 45F

Sat. Night



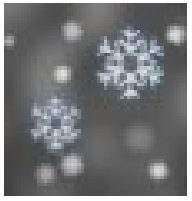
Chance of snow
Lo: 20F

Sunday



Chance of snow
Hi: 35F

Sun. Night



Chance of snow
Lo: 15F

Thule Forecast

Saturday	Sat. Night	Sunday	Sun. Night
Mostly Clear Hi: 13F	Mostly Clear Lo: 1F	Partly Cloudy Hi: 22F	Partly Cloudy Lo: 6F