FLIGHT DAY FORECAST

Sunday June 22
Monday June 23
Tuesday June 24
Thursday June 26

Henry Fuelberg
Donal Harrigan
Walter Sessions

"Your eyes to the skies"

NASA

FSU Meteorology

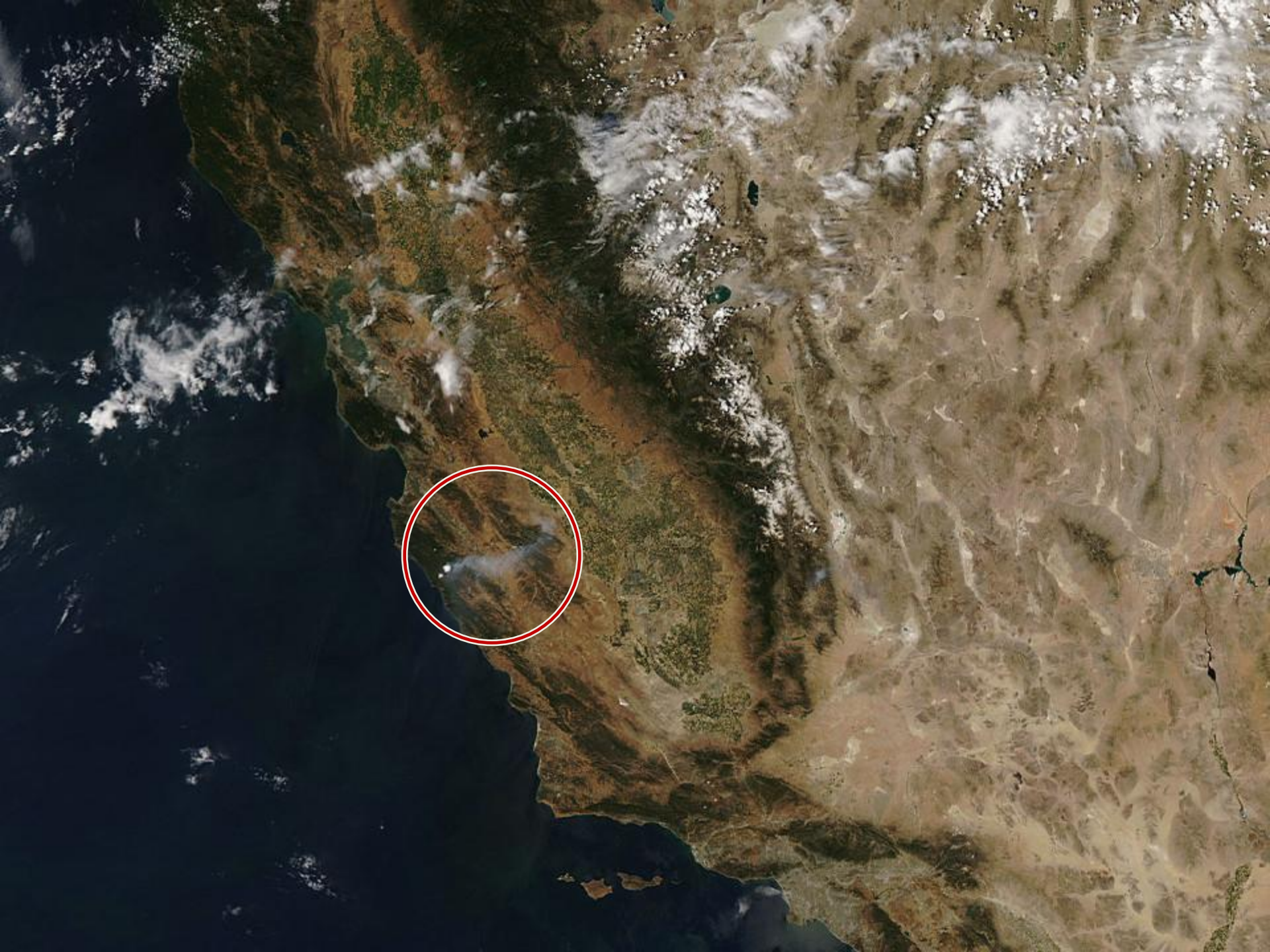
California Environmental Protection Agency
AIR RESOURCES BOARD

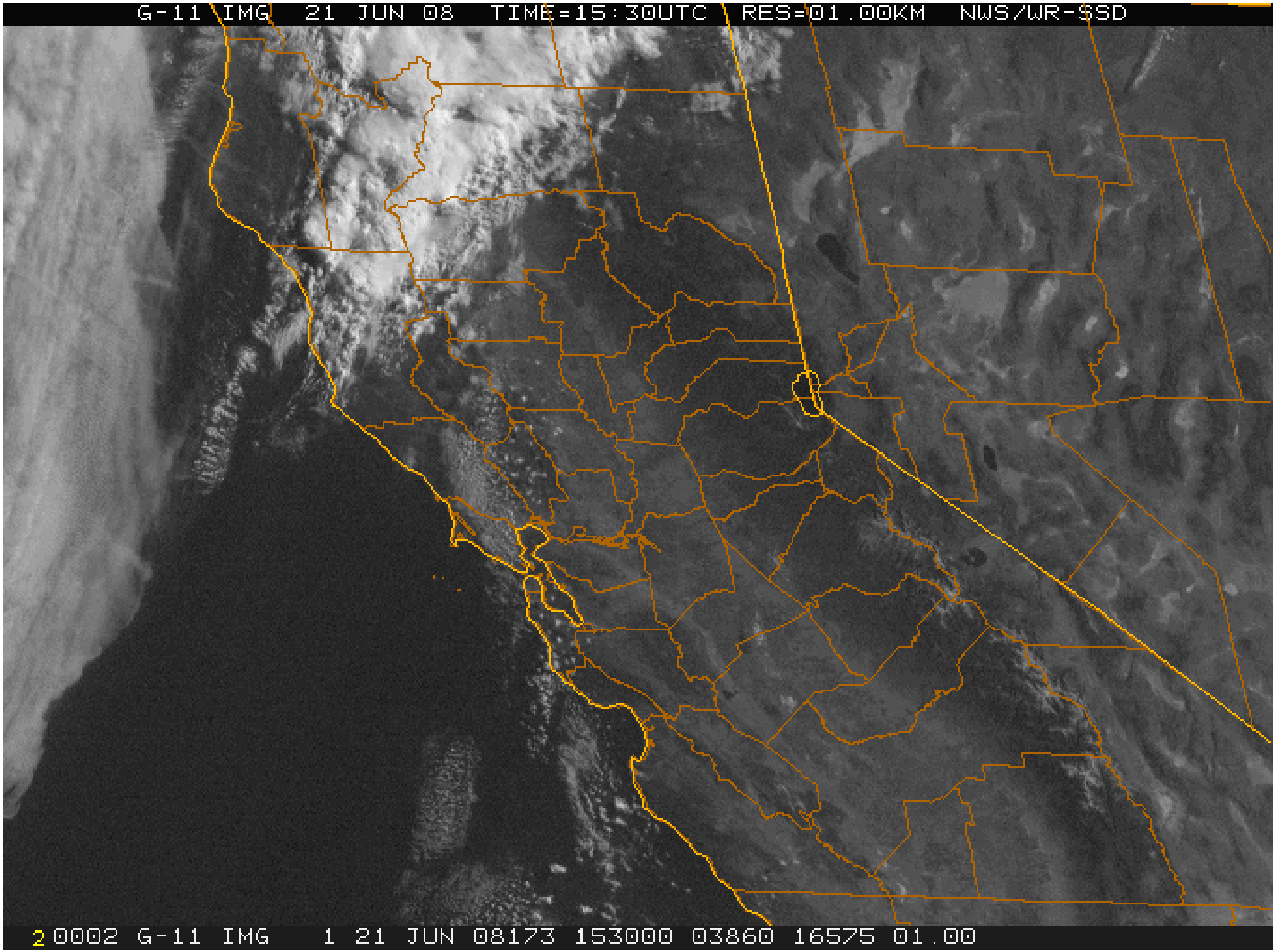
Happy Summer Solstice

New Record:

Hottest temperature ever recorded!!!!

Santa Maria 110F



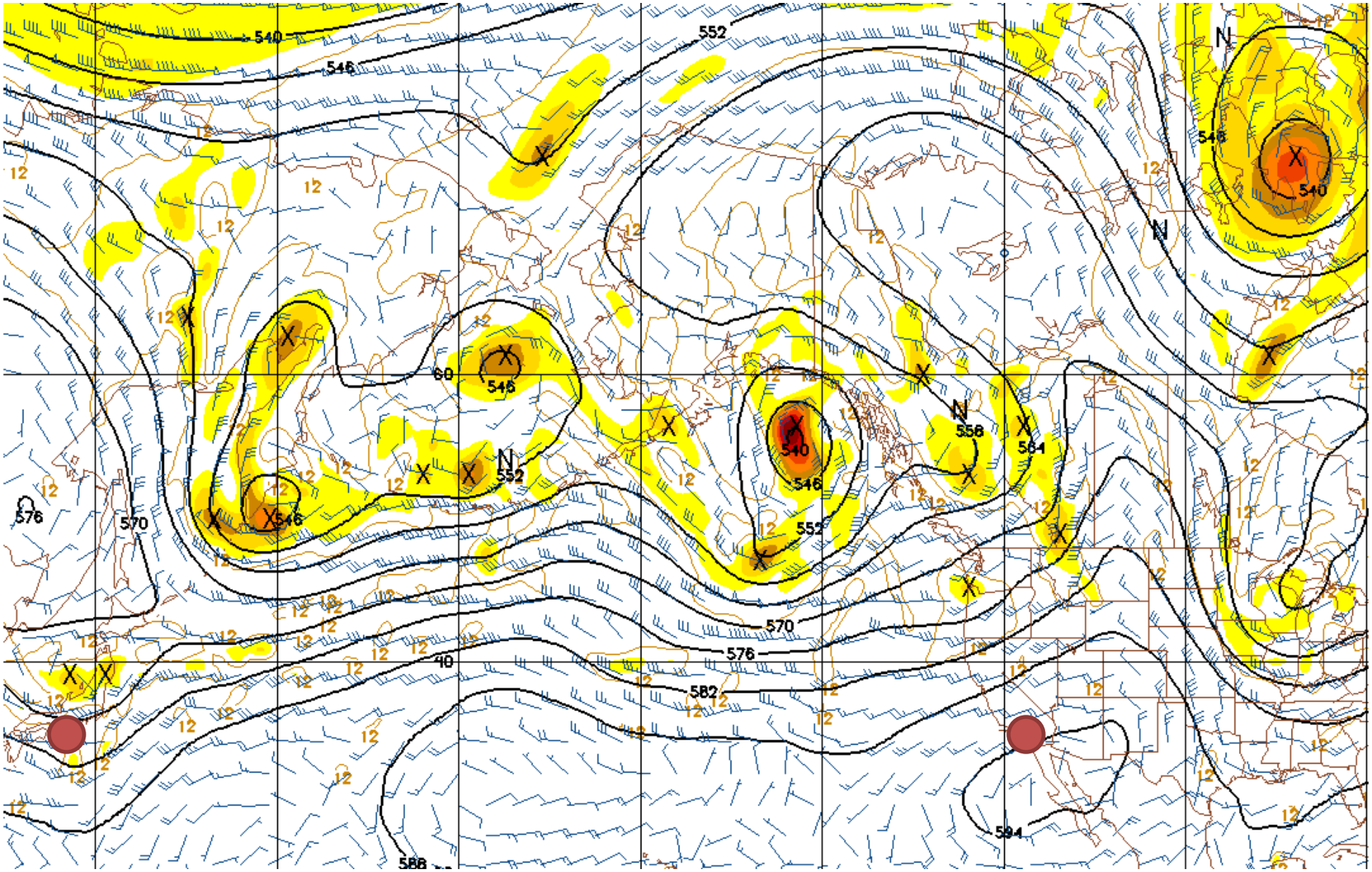

G-11 IMG 21 JUN 08 TIME=15:30UTC RES=01.00KM NWS/WR-SSD
20002 G-11 IMG 1 21 JUN 08173 153000 03860 16575 01.00

Sunday

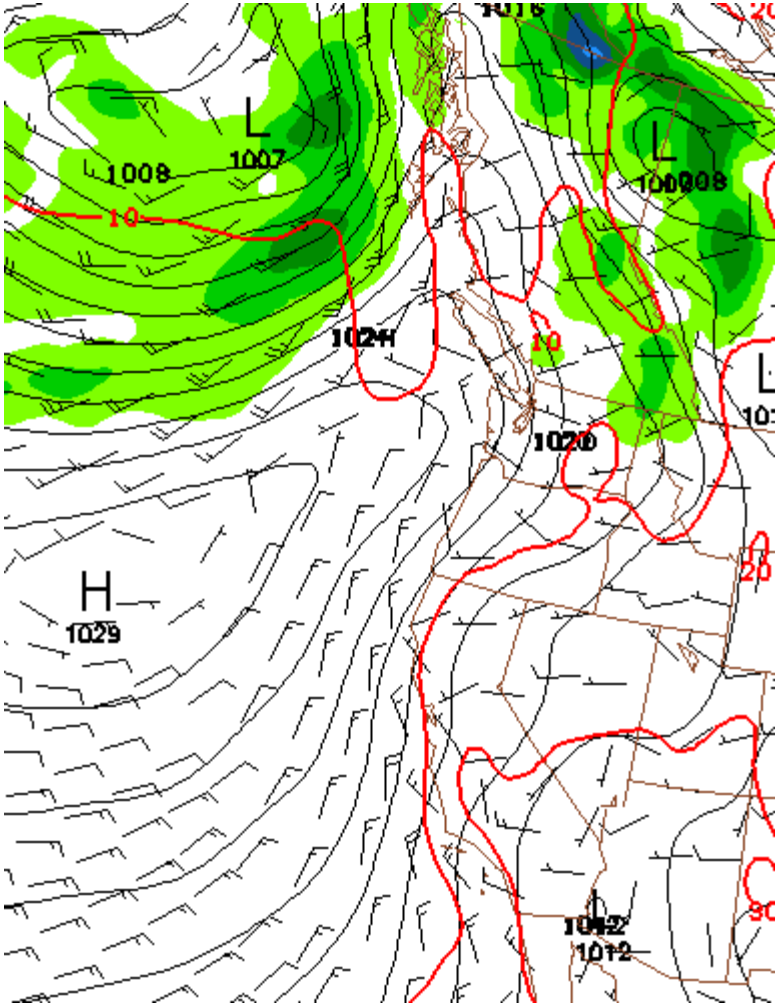
June 22nd

1800Z (11AM)

GFS Pacific 500 mb

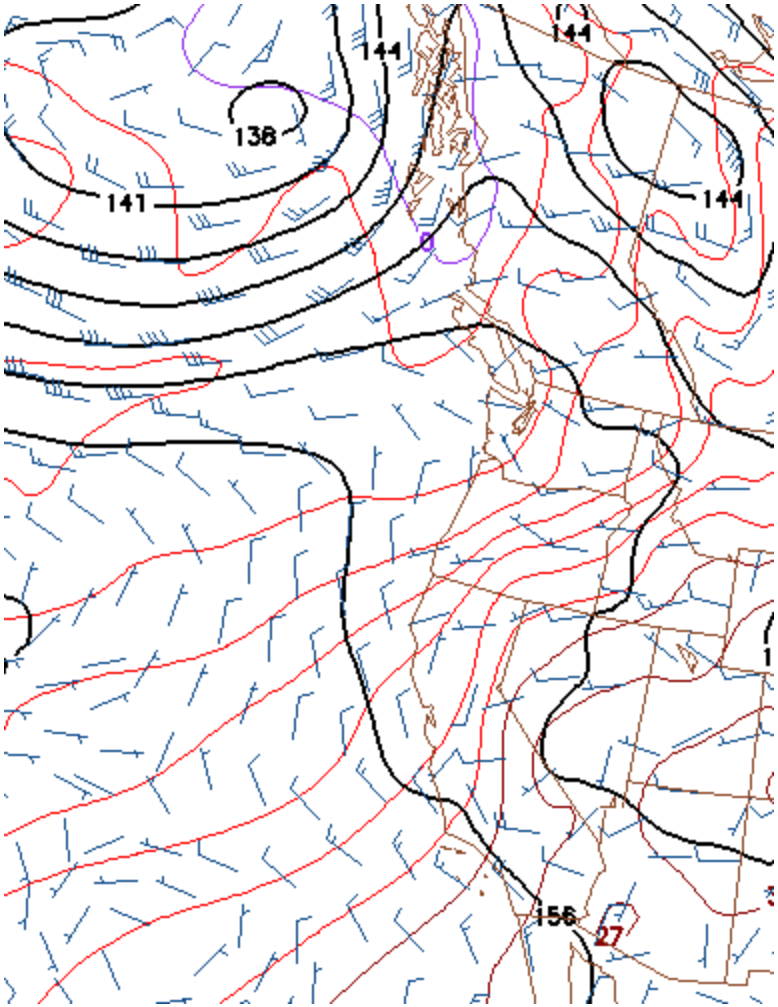


GFS Surface Forecast



850 mb Forecast

GFS



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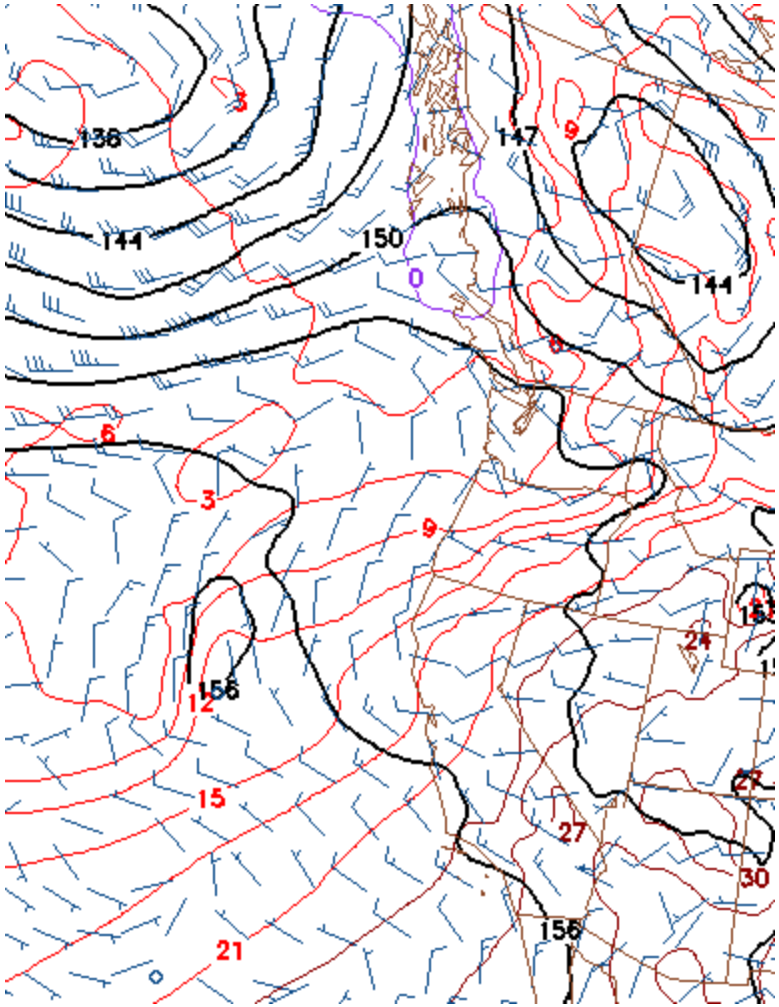
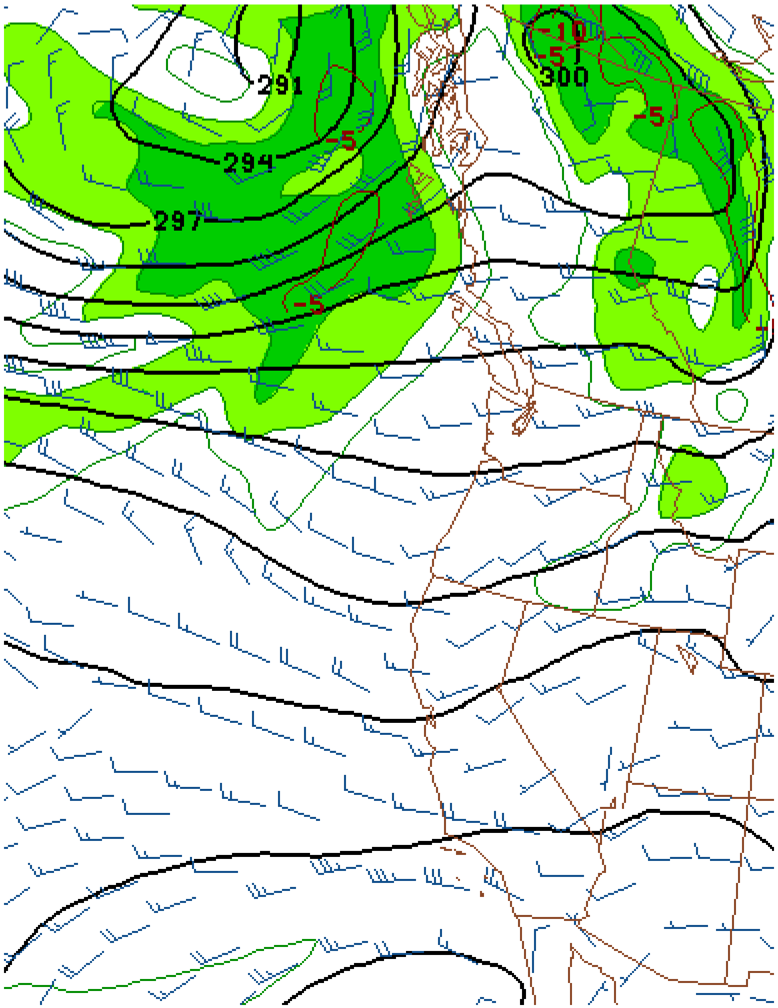


700 mb Forecast

GFS



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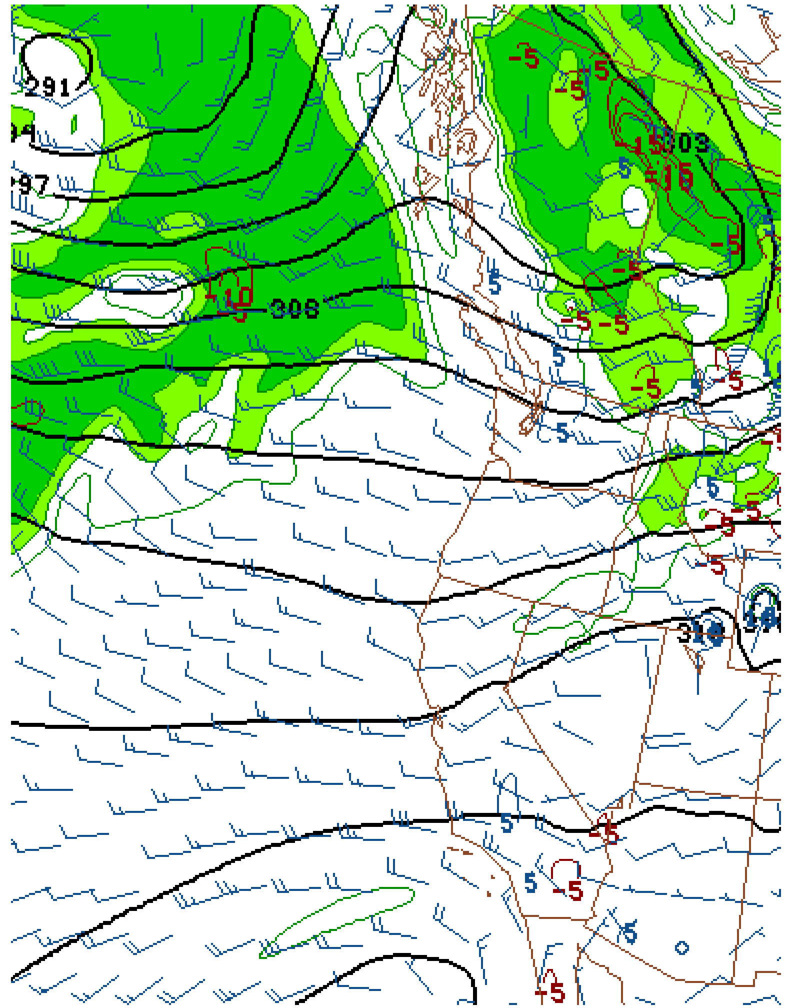
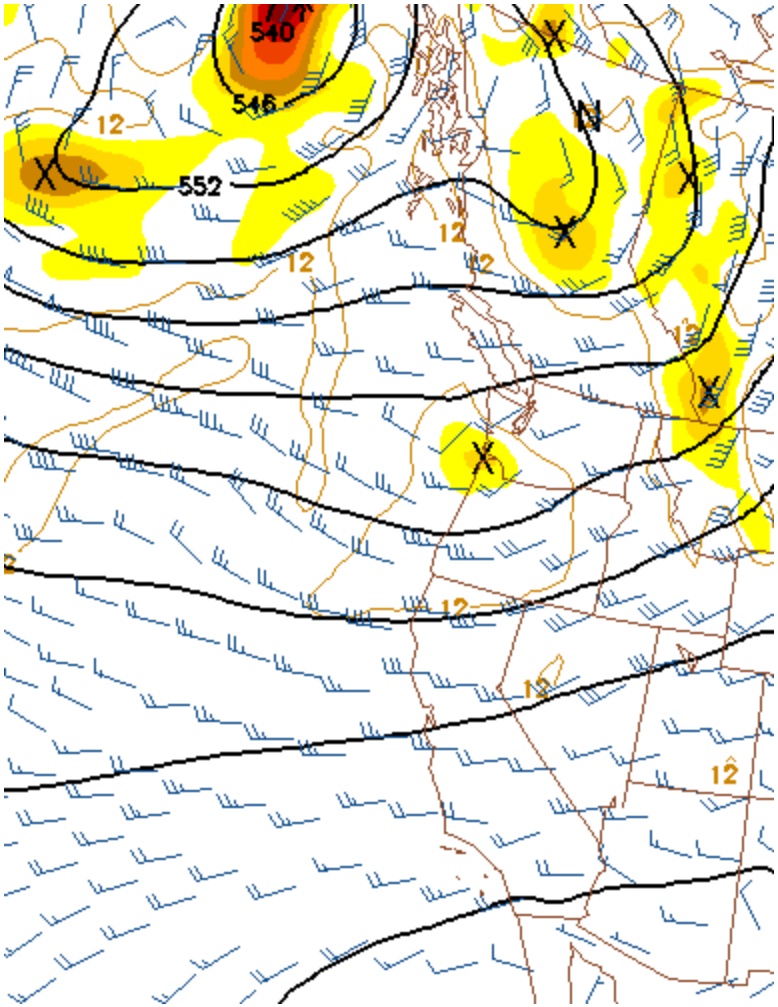
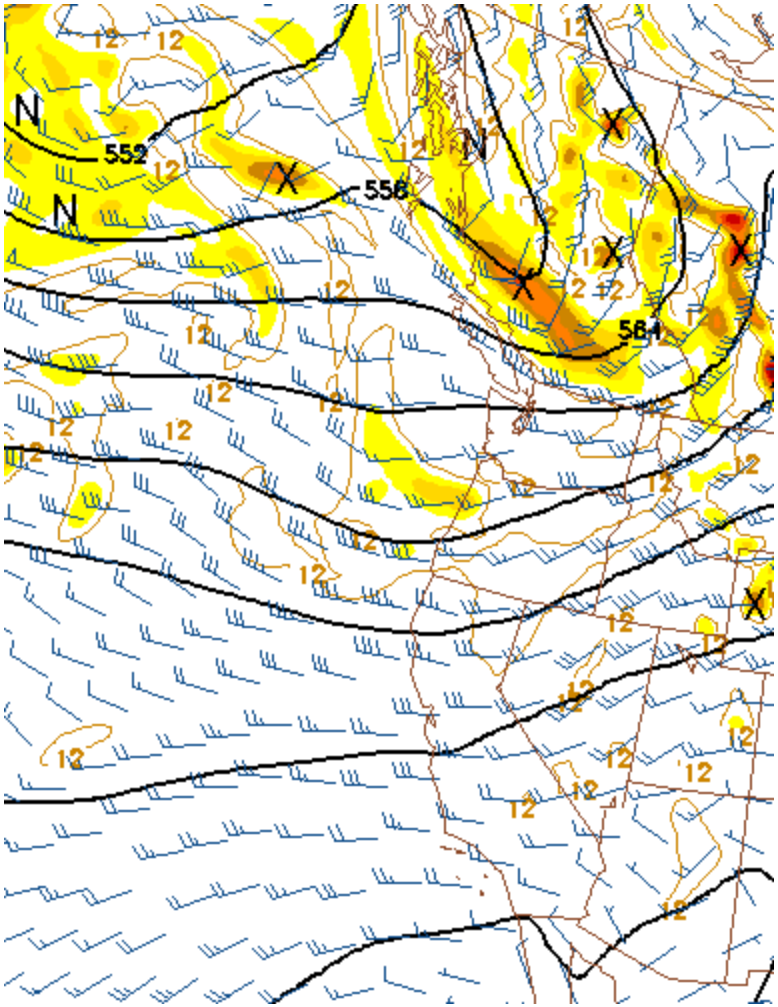


500 mb Forecast

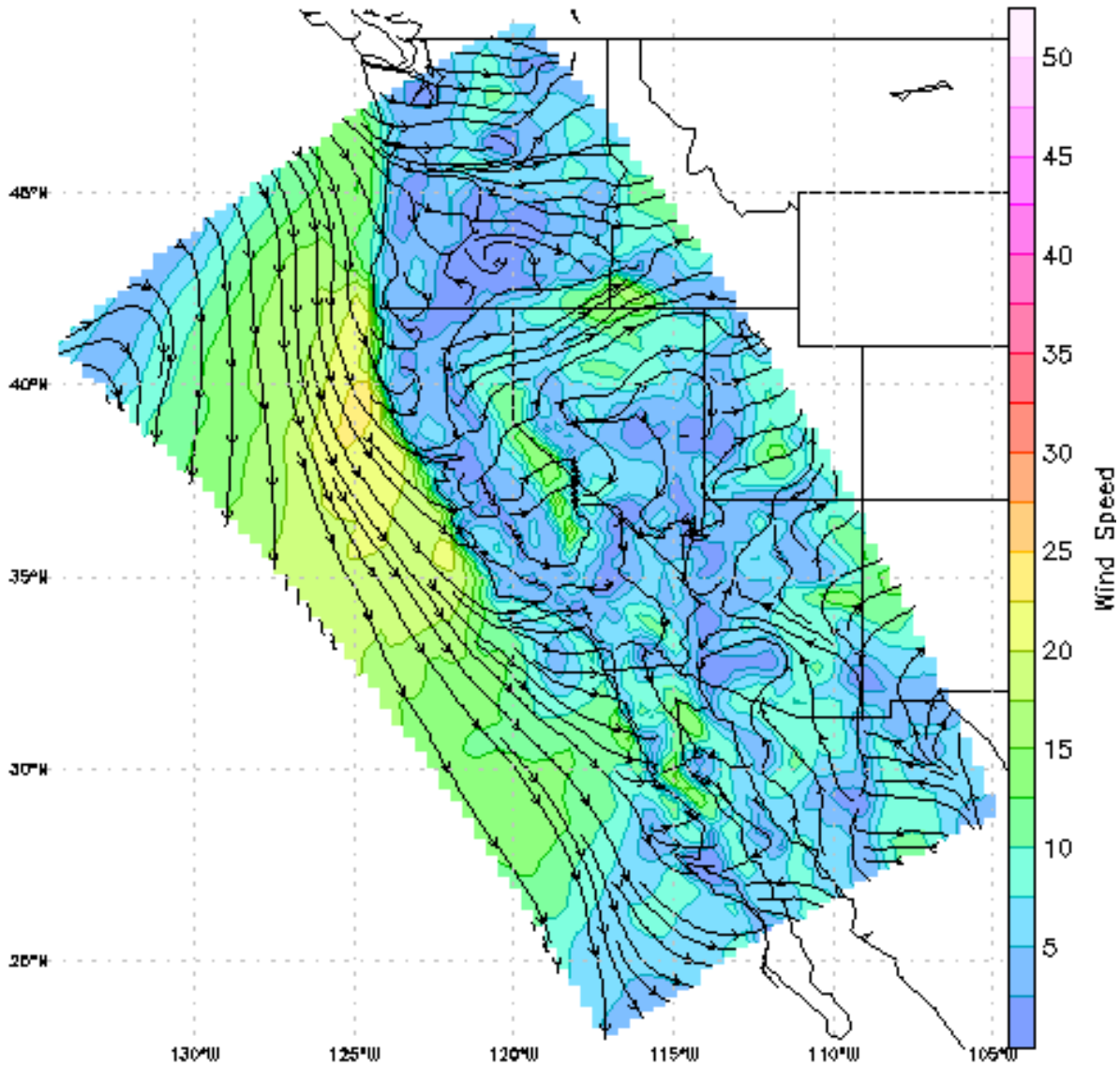
GFS



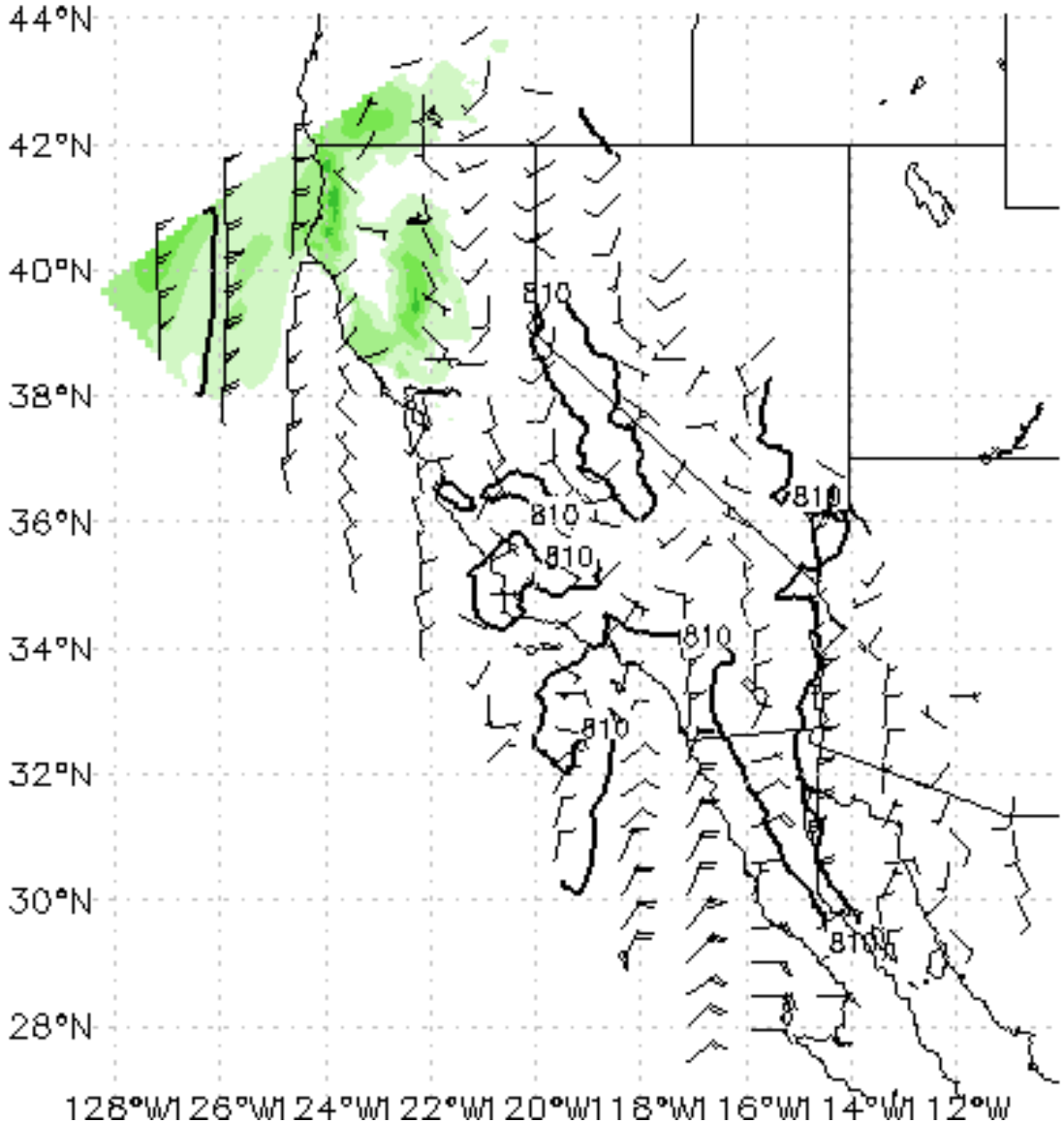
NAM



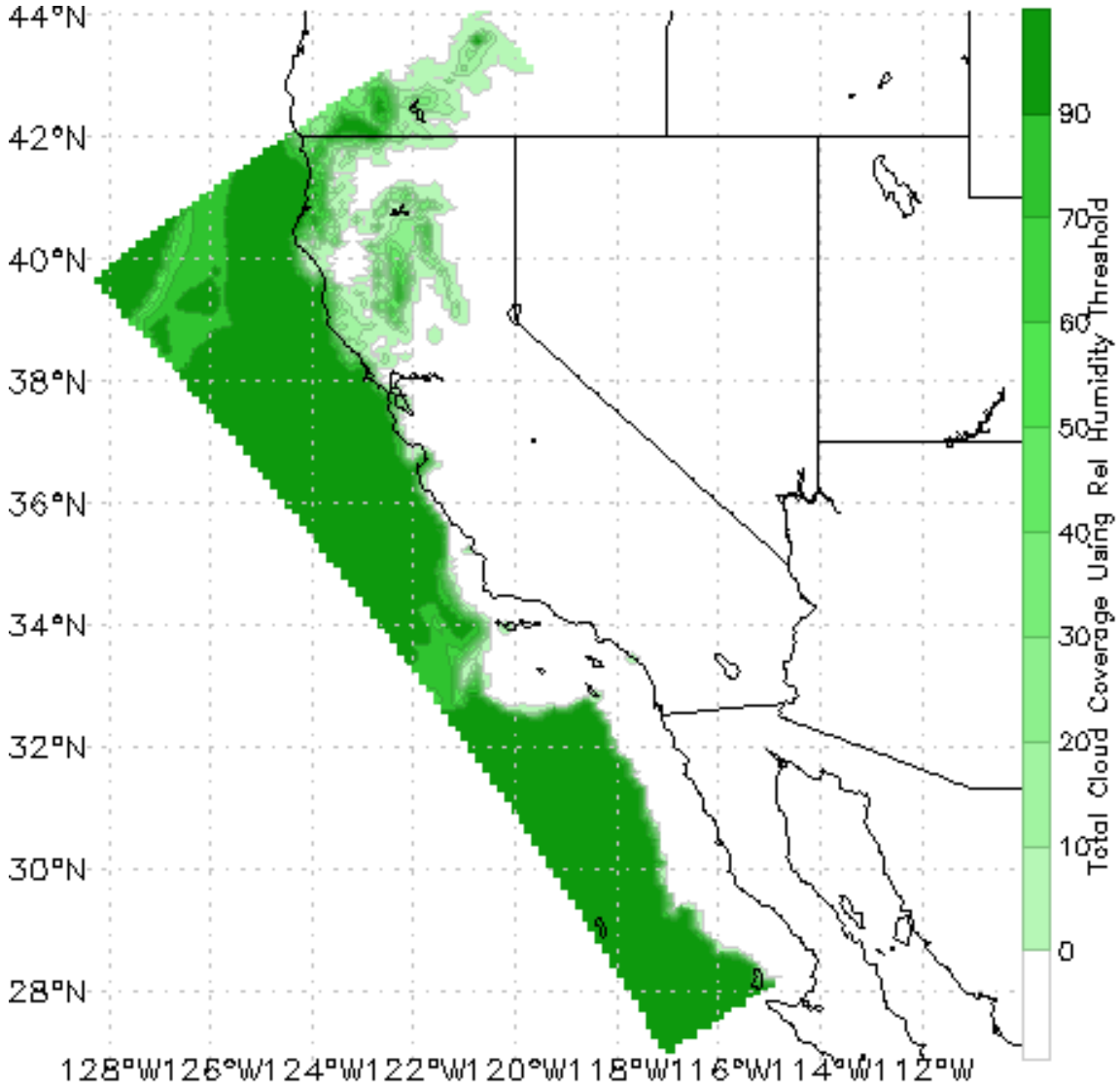
10 m Winds


45°N
40°N
35°N
30°N
25°N
130°W
125°W
120°W
115°W
110°W
105°W
50
45
40
35
30
25
20
15
10
5
Wind Speed

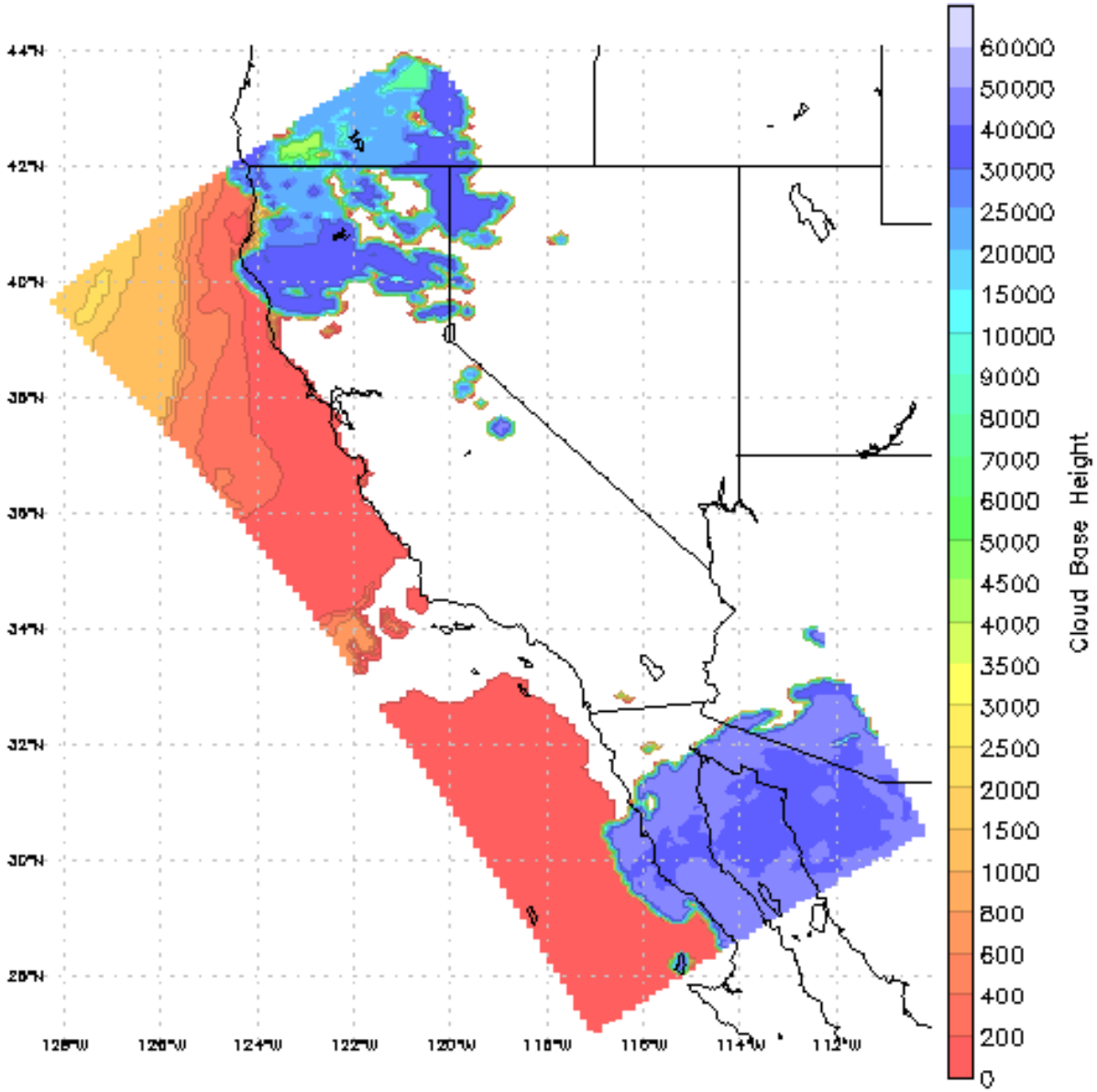
925 mb Winds/RH



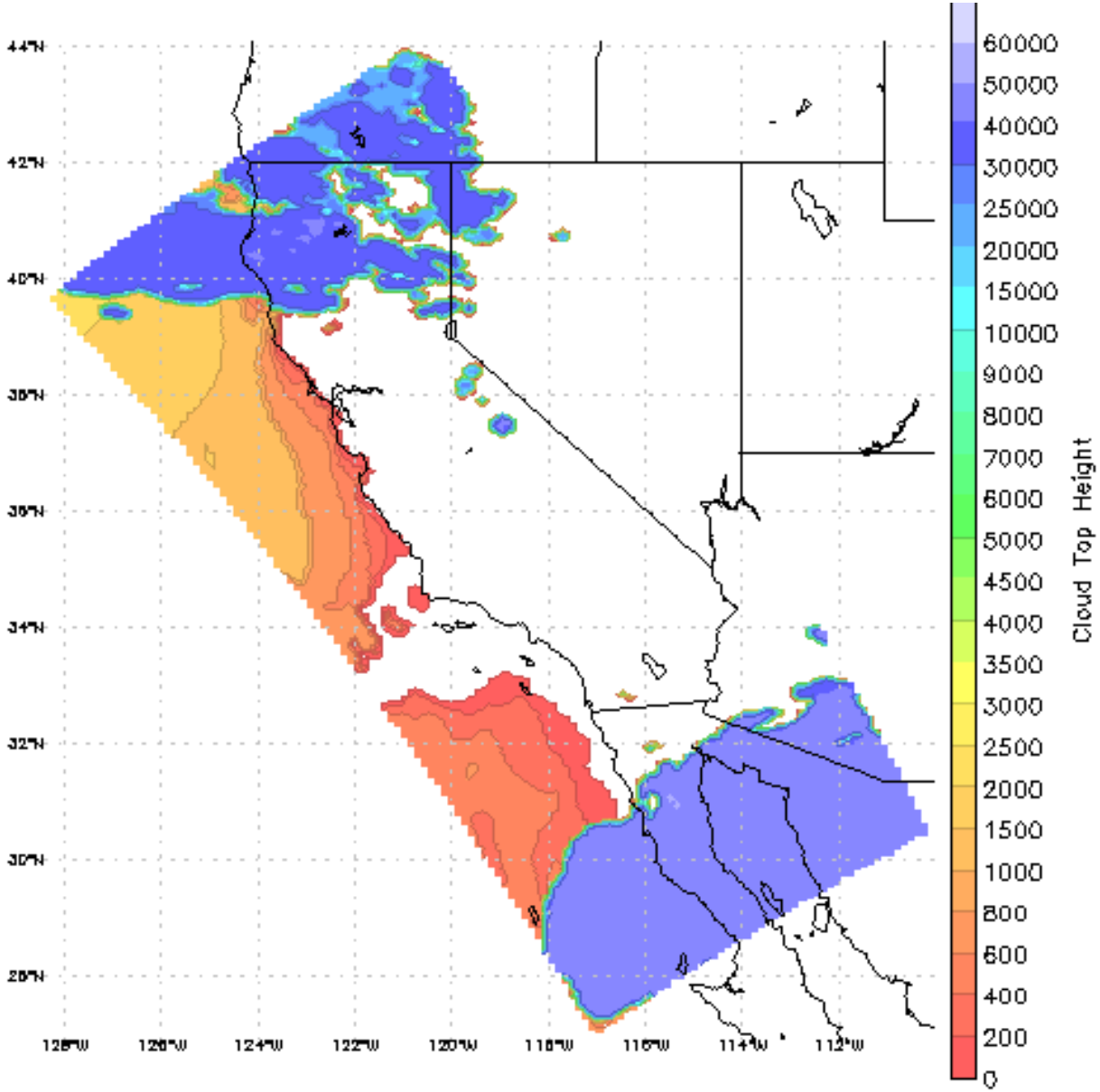
Low Cloud Amount (%)



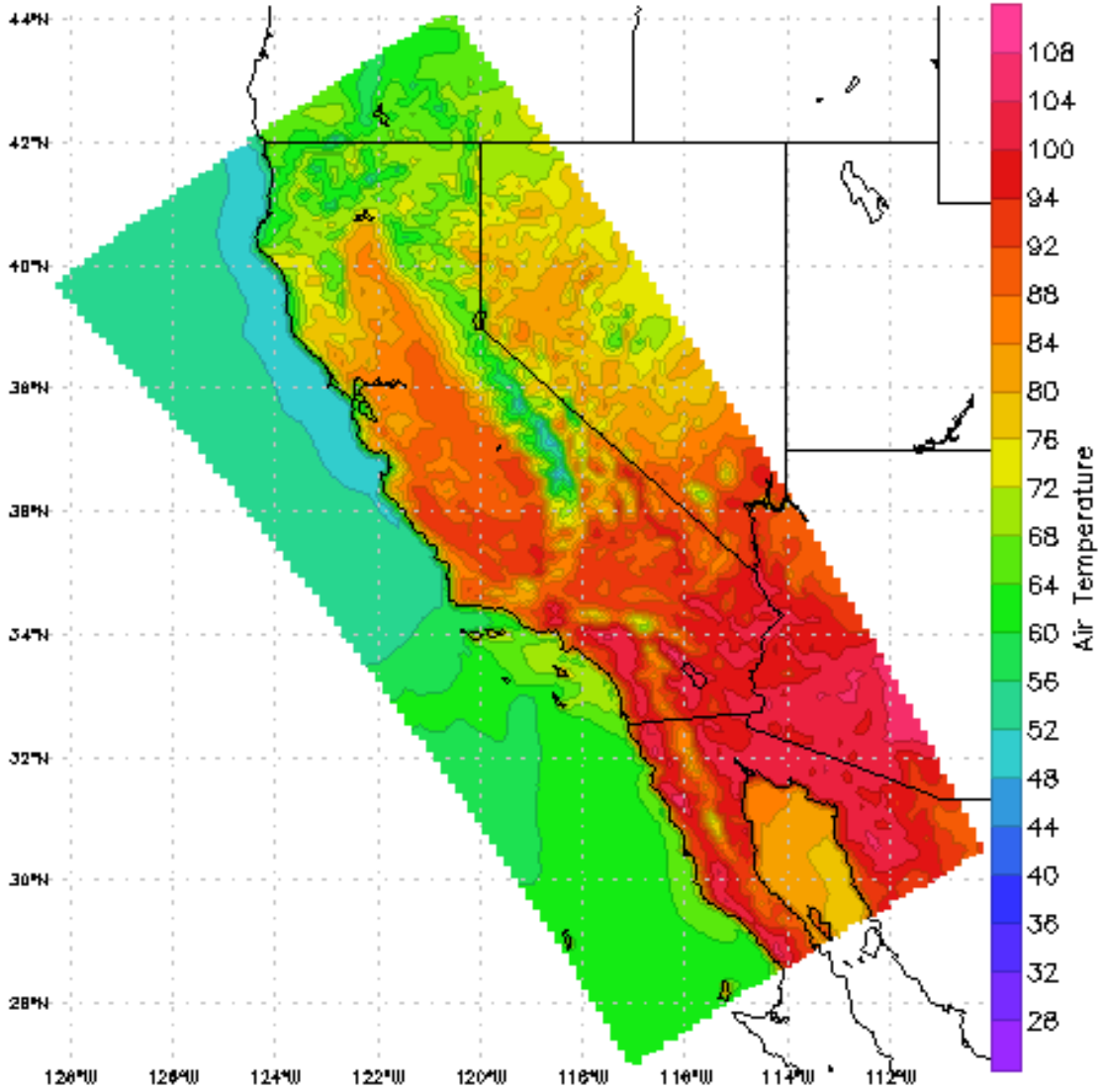
Cloud Base (ft.)



Cloud Top (ft.)


44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W
126°W
124°W
122°W
120°W
118°W
116°W
114°W
112°W
60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Top Height

Surface-2 m Temp
2100 Z

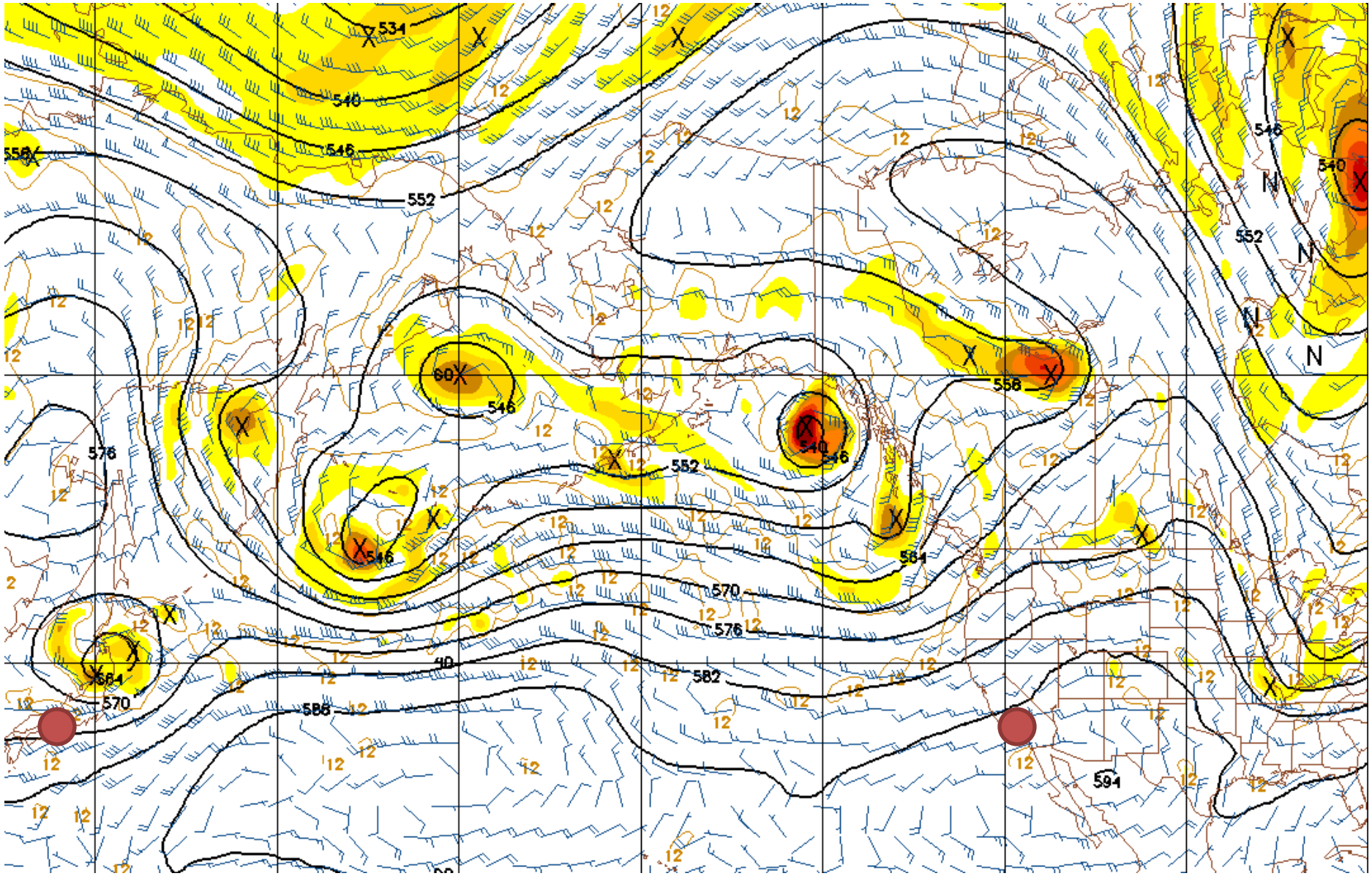


Monday

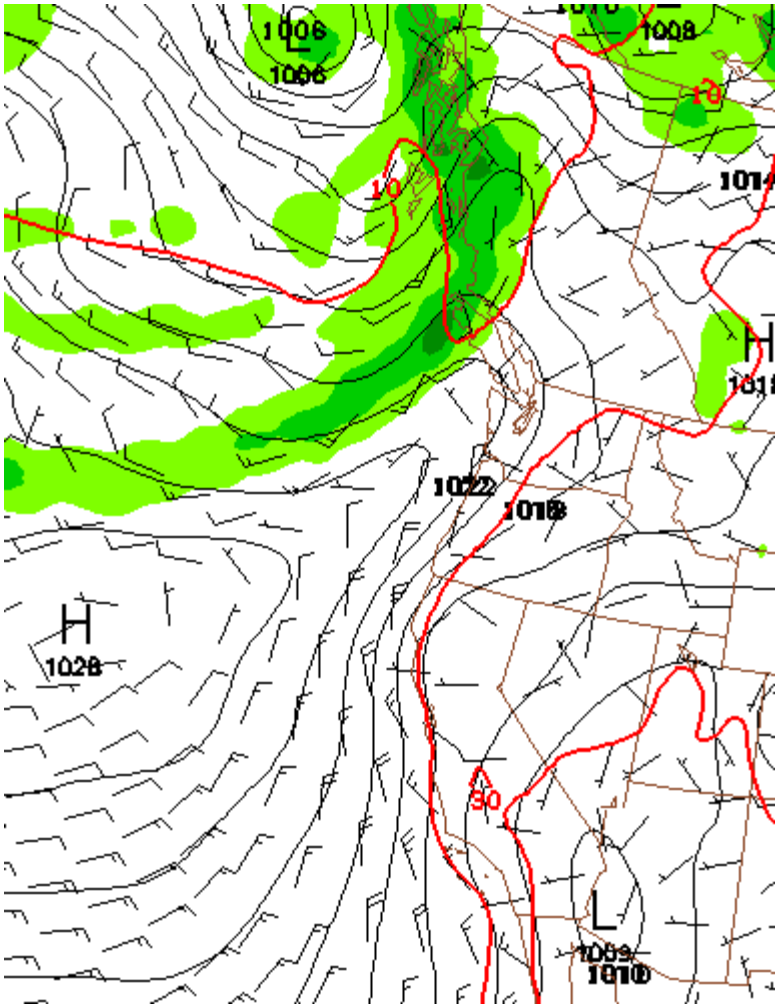
June 23rd

1800Z (11AM)

GFS Pacific 500 mb

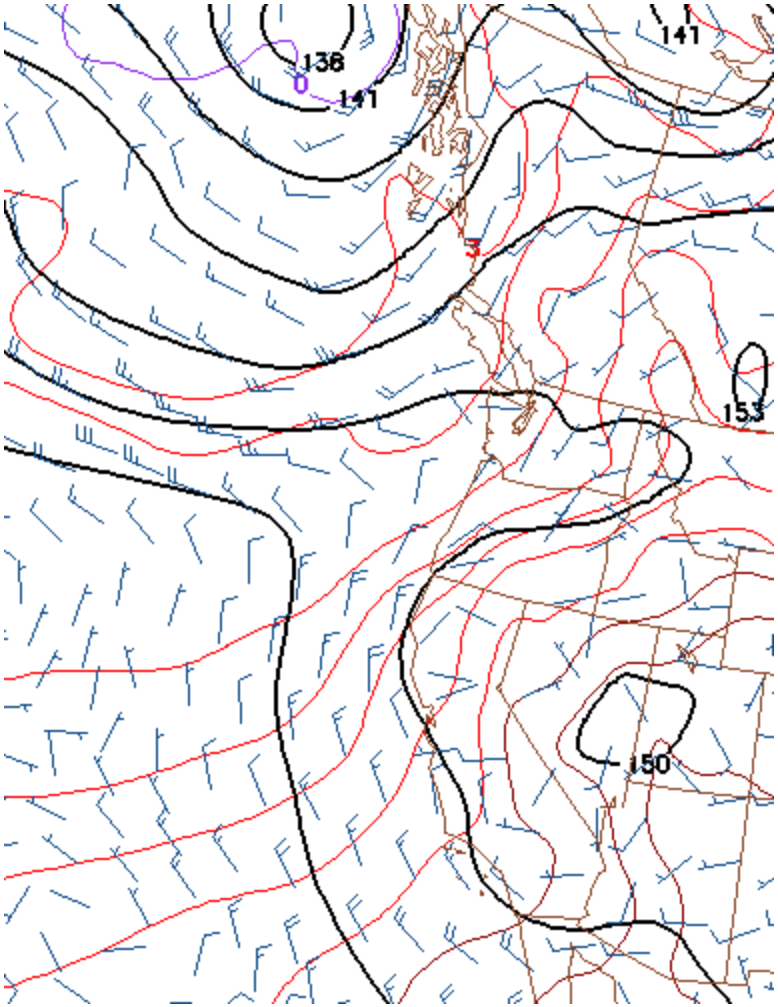


GFS Surface Forecast

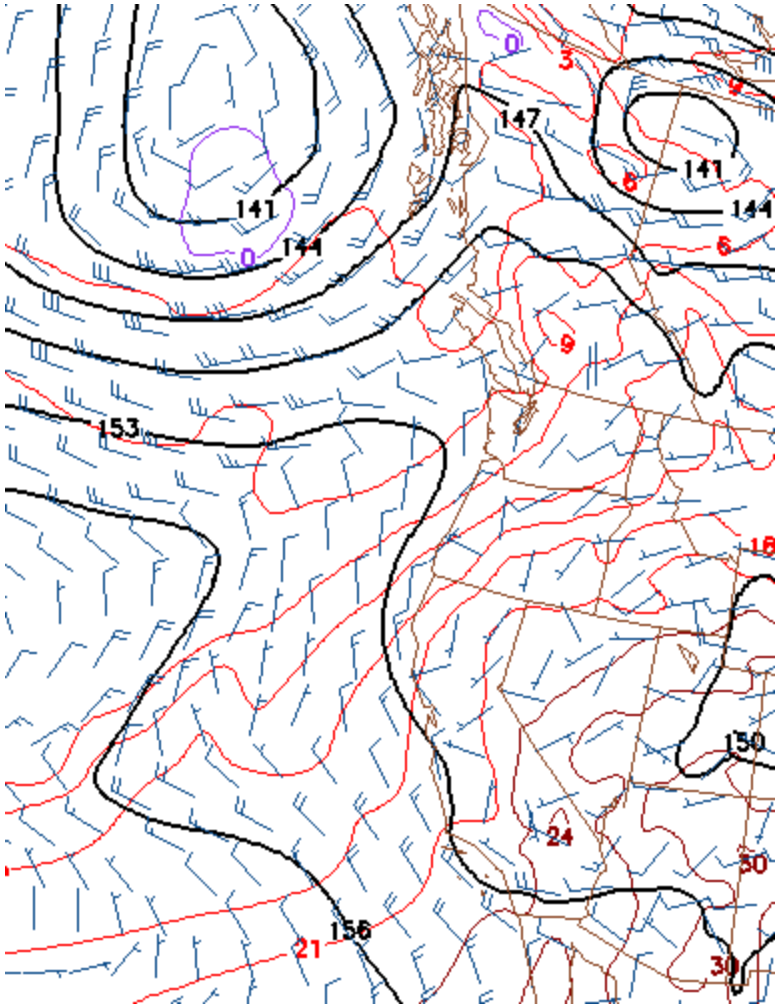


850 mb Forecast

GFS

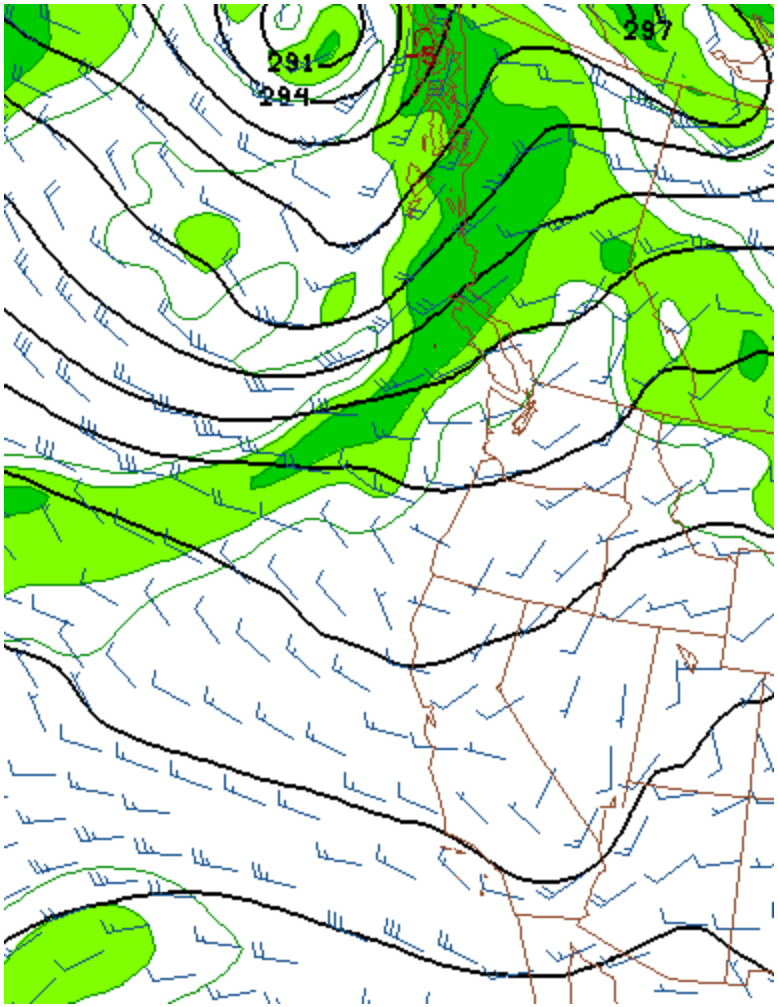


NAM

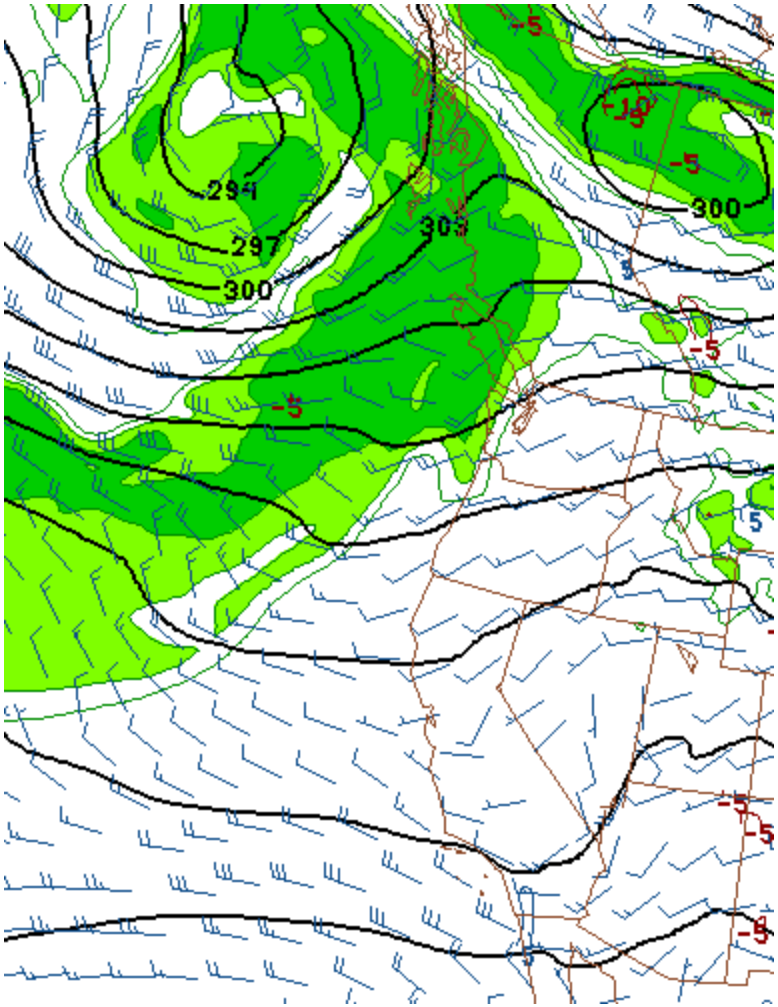


Forecast 700 mb

GFS

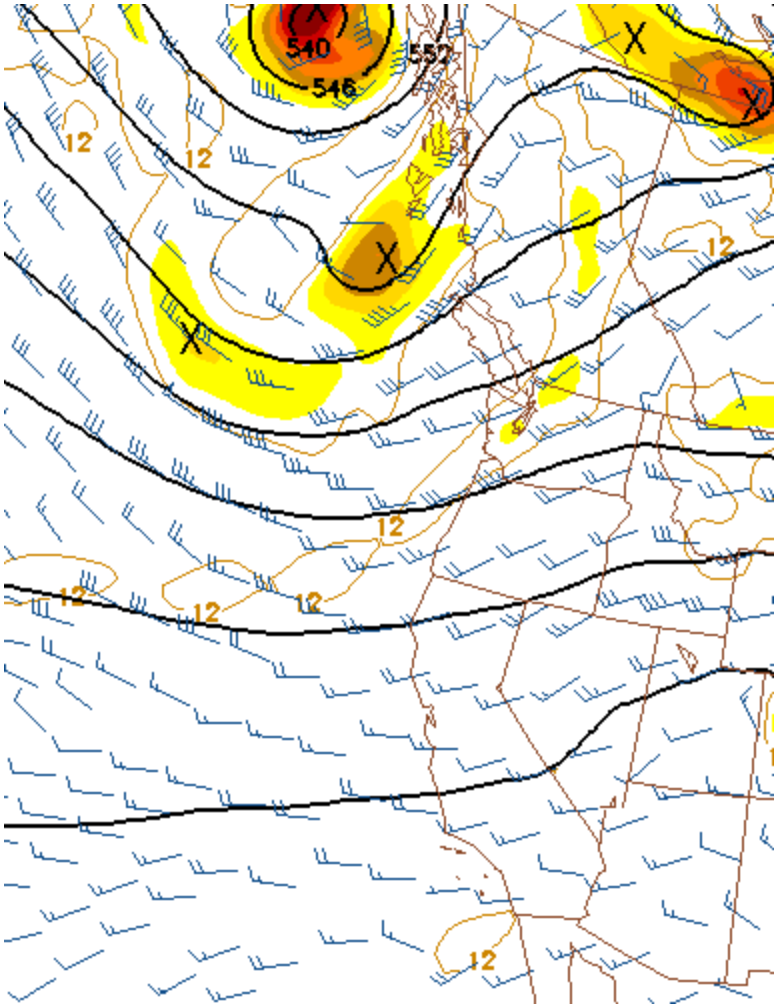


NAM

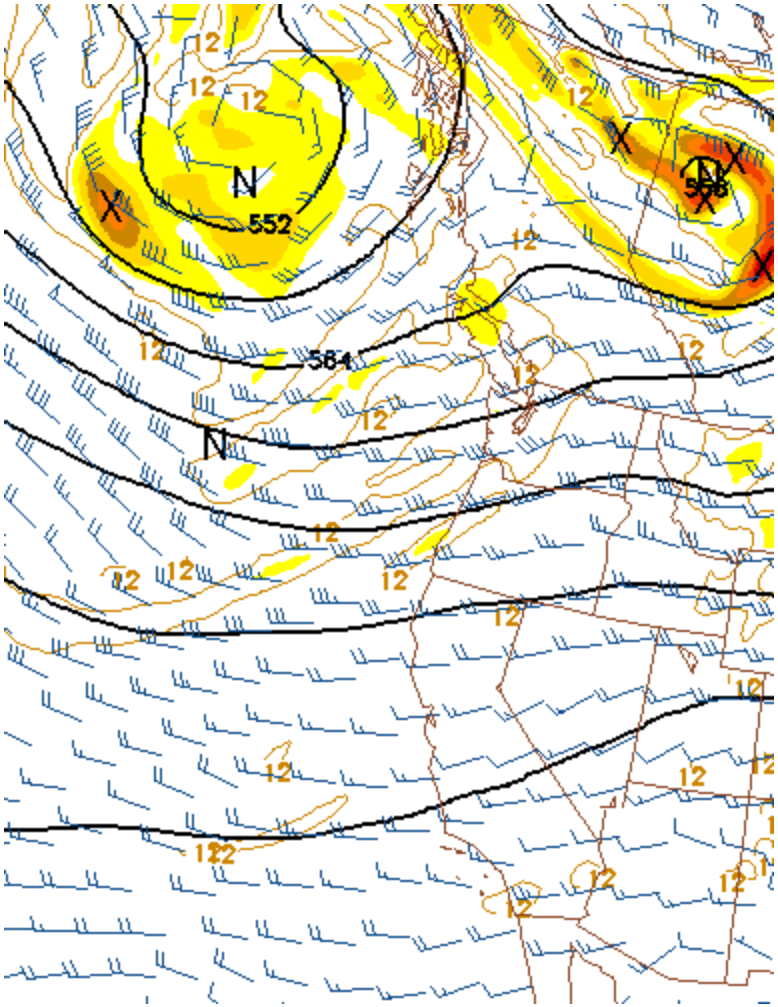


Forecast 500 mb

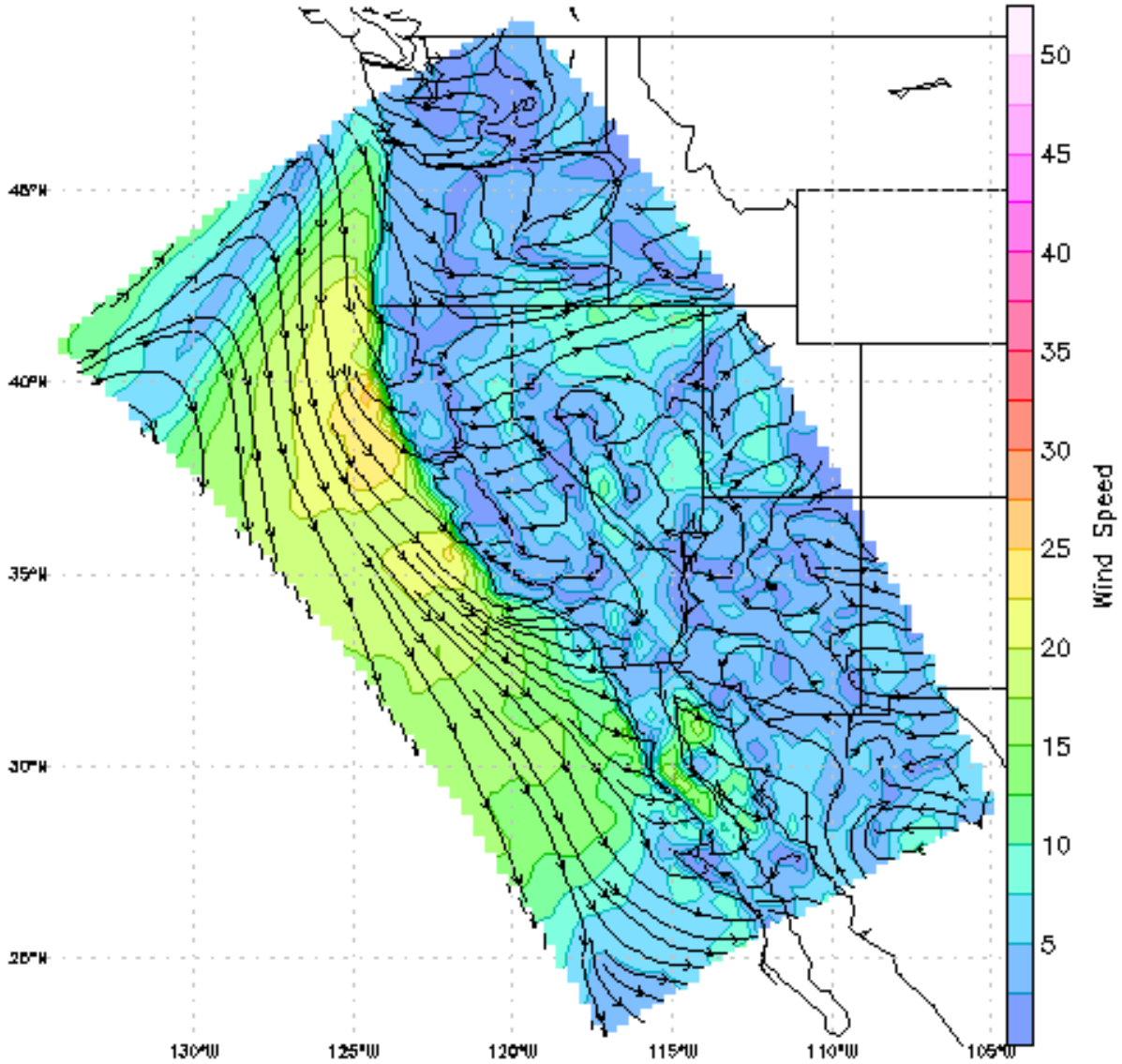
GFS



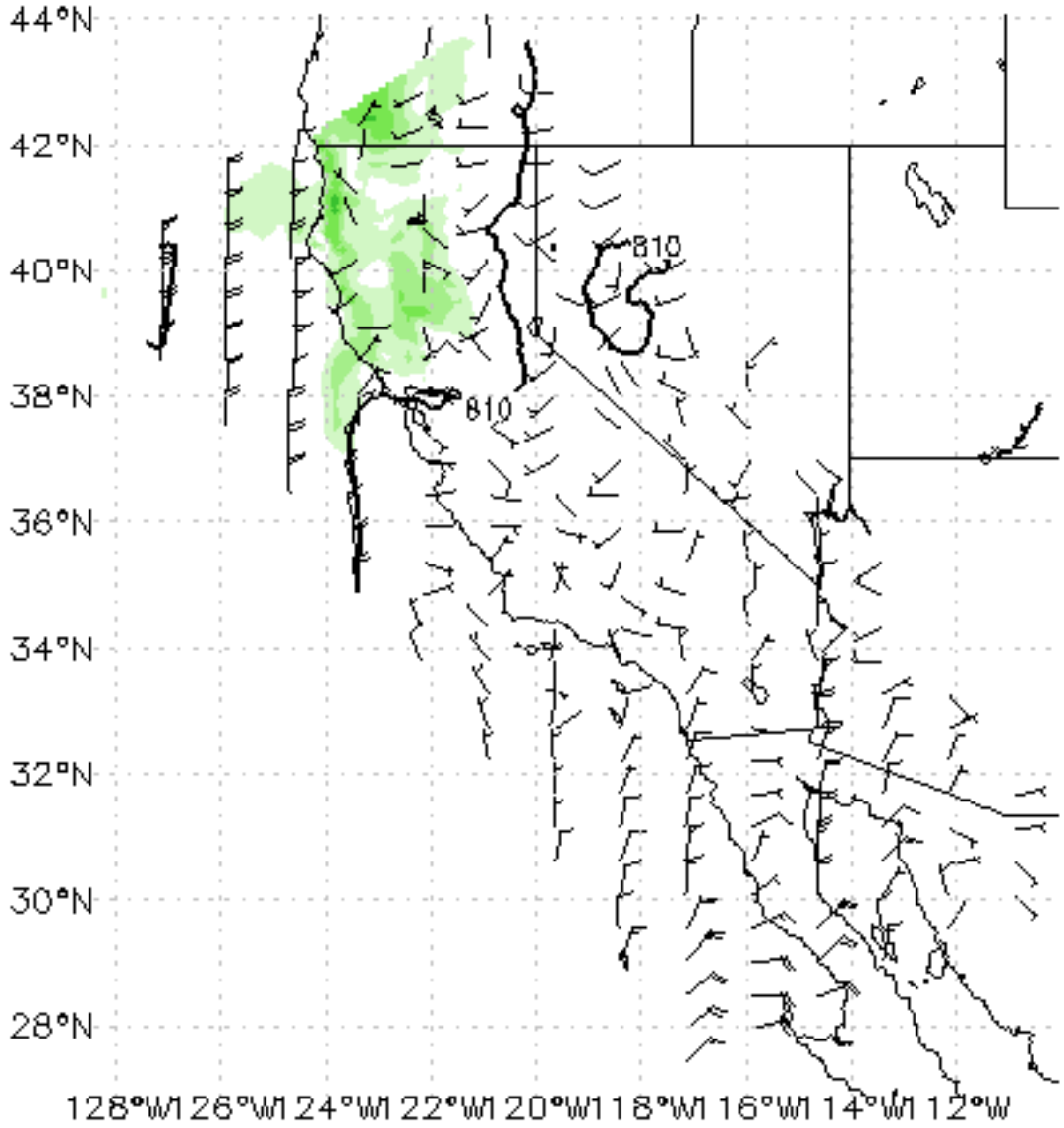
NAM



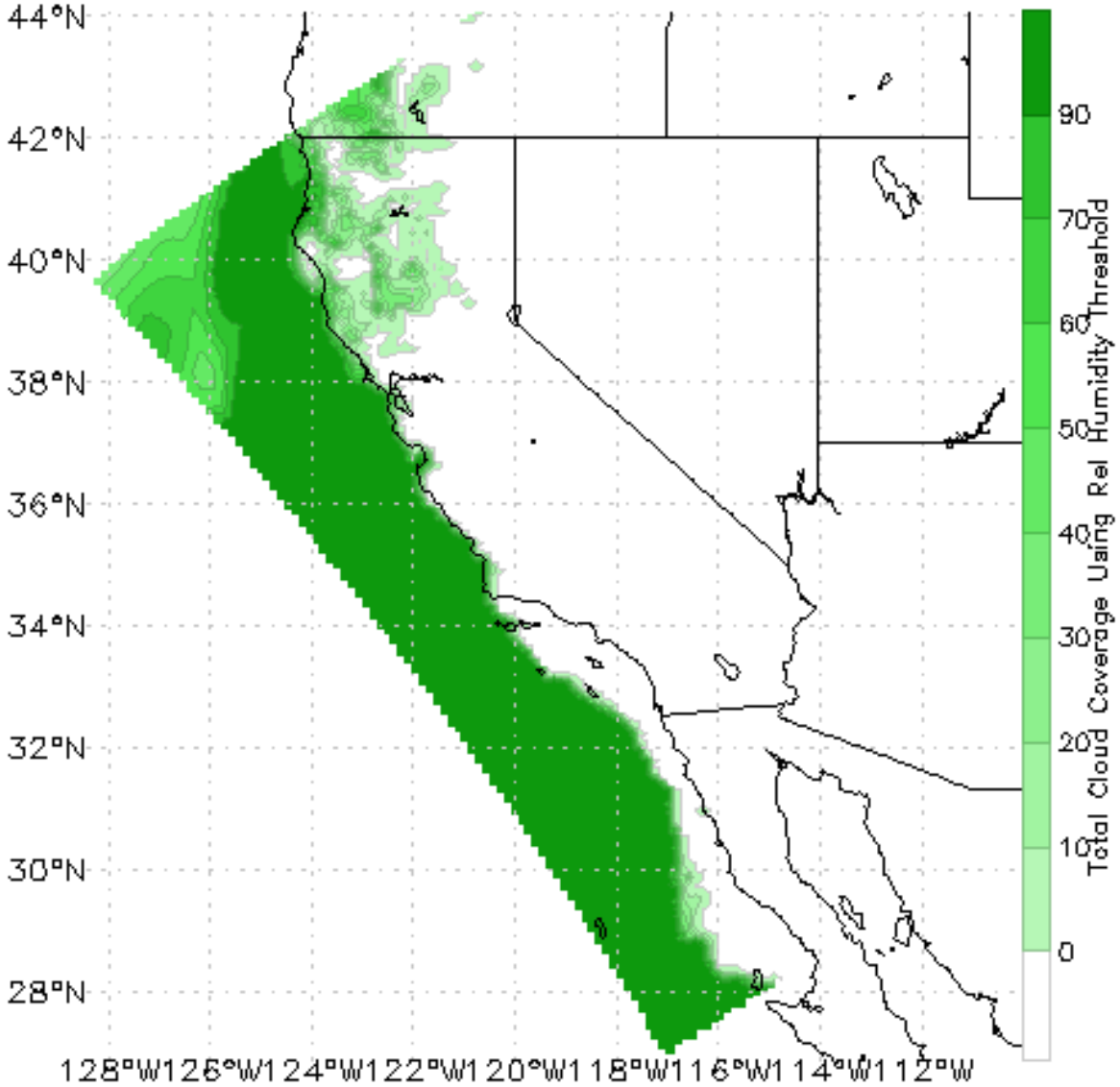
10 m Winds


50
45
40
35
30
25
20
15
10
5
Wind Speed
45°N
40°N
35°N
30°N
25°N
130°W
125°W
120°W
115°W
110°W
105°W

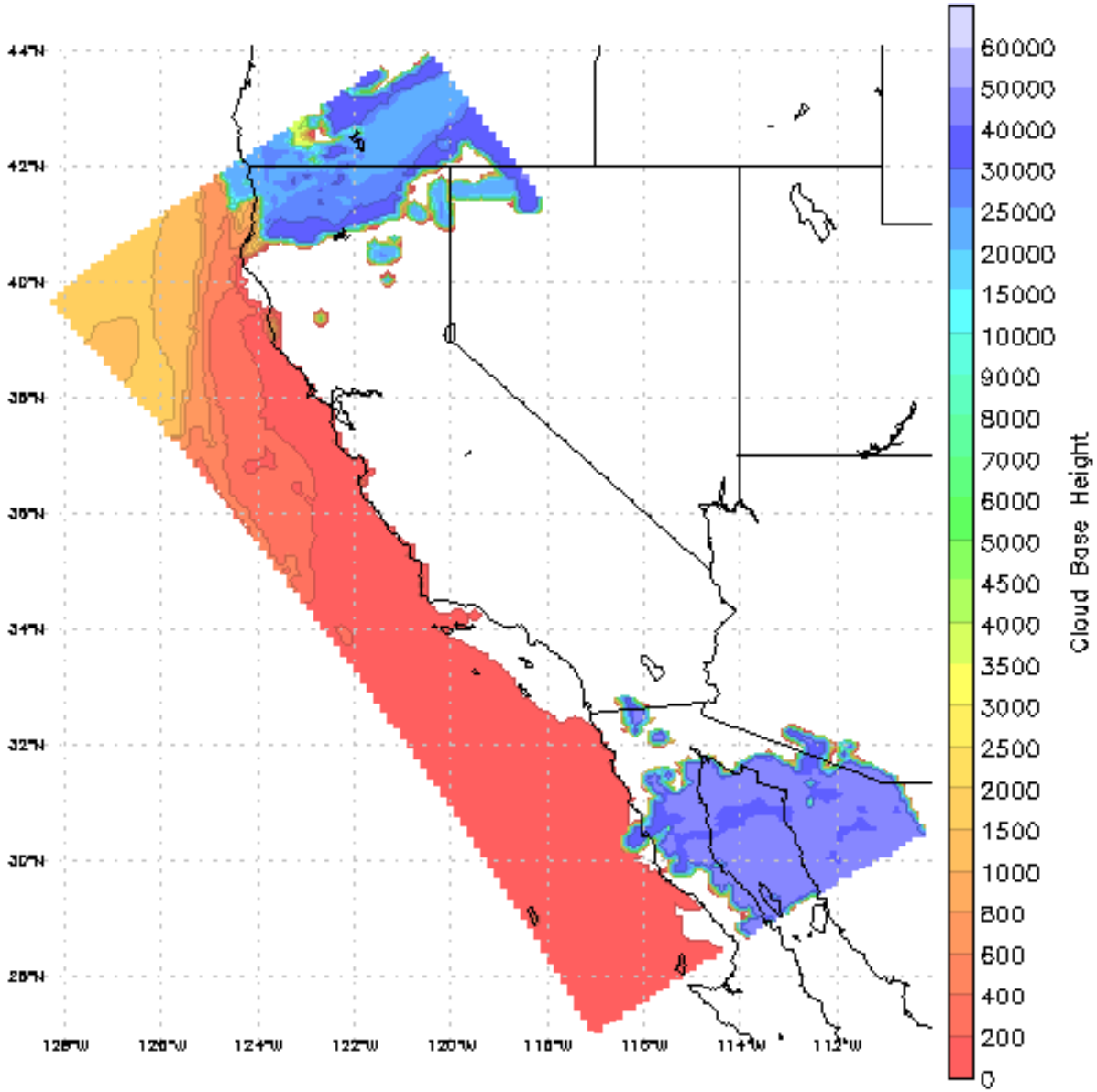
925 mb Winds/RH



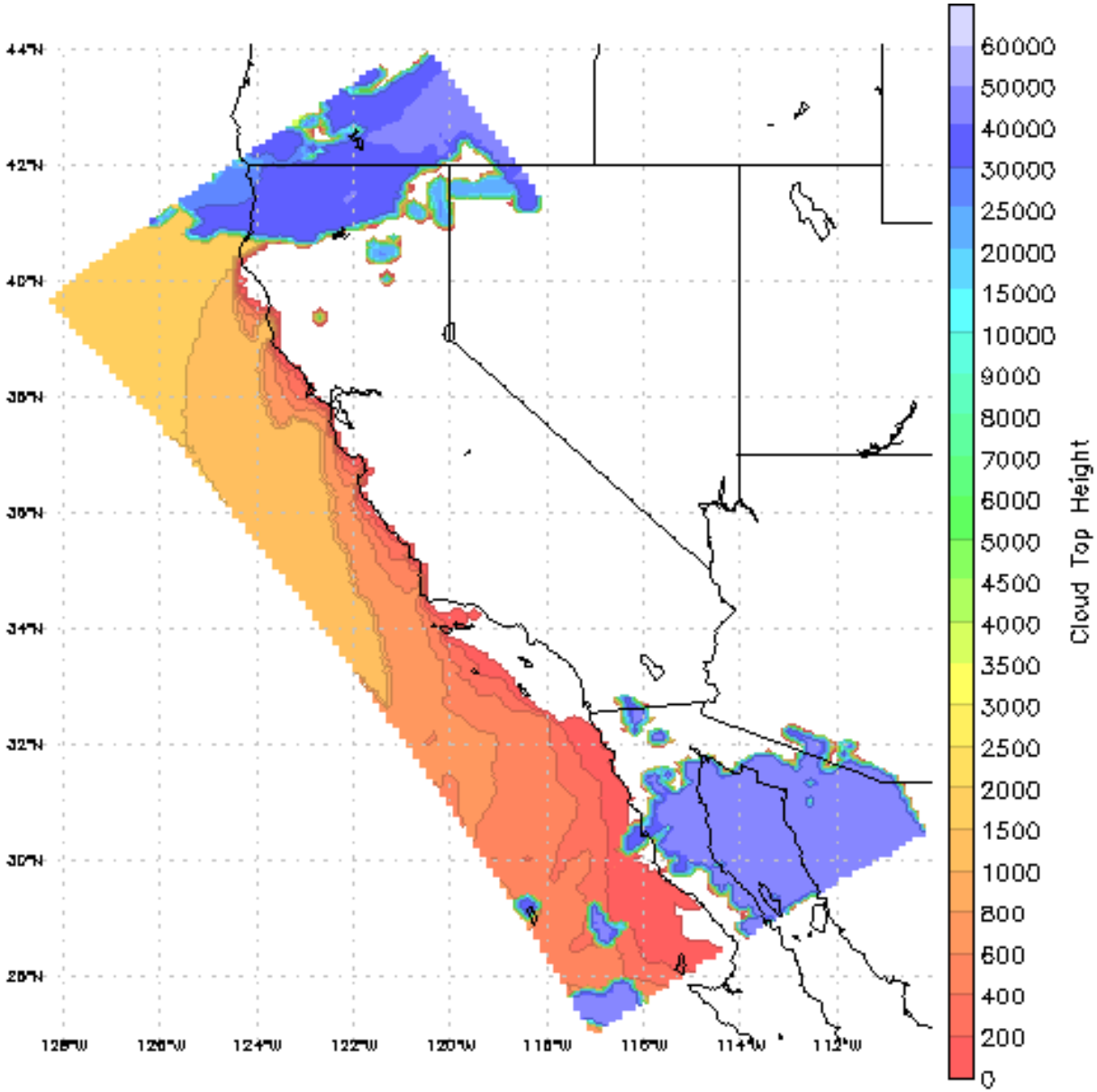
Low Cloud Amount (%)



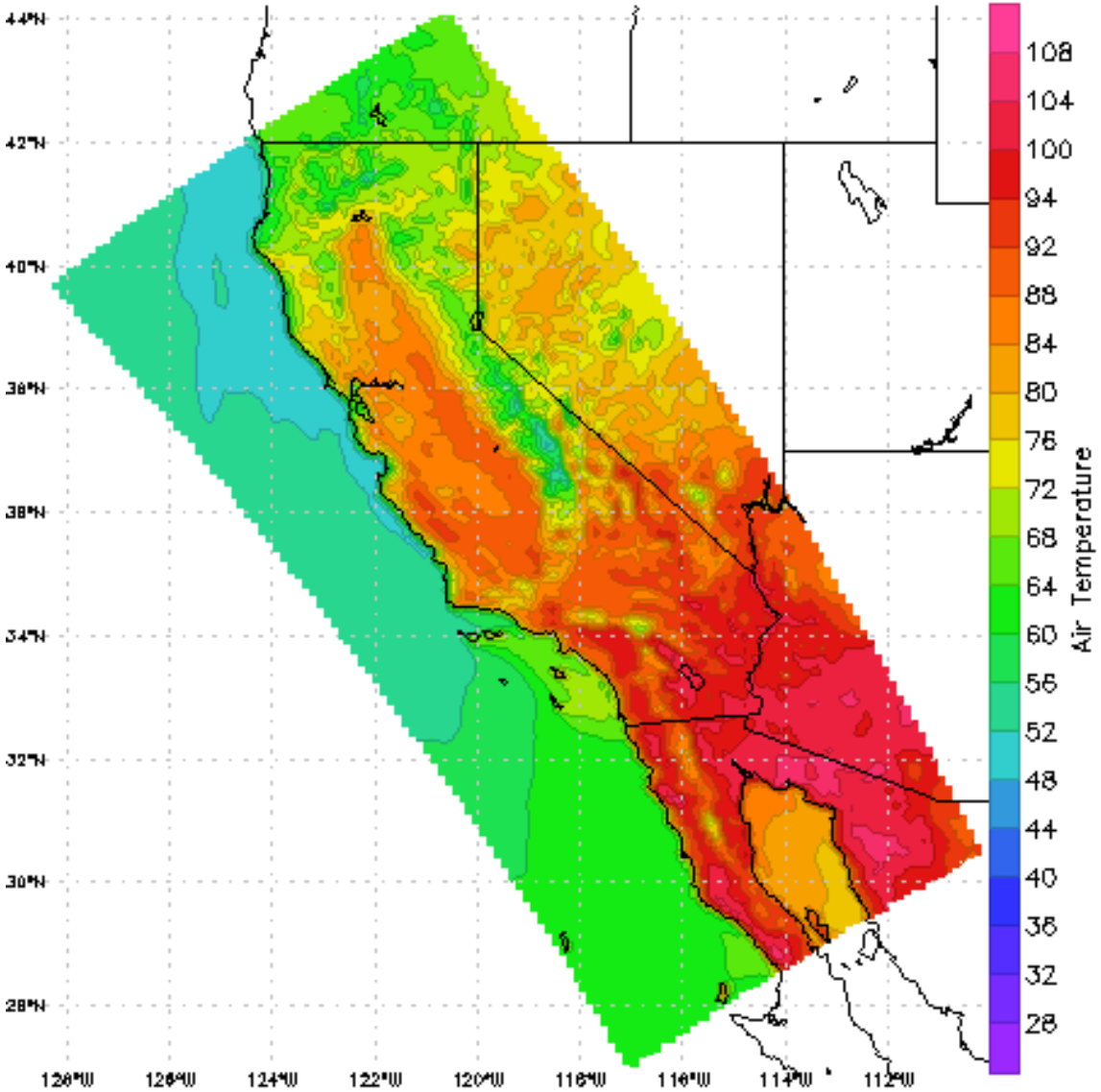
Cloud Base (ft.)



Cloud Top (ft.)


44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W
126°W
124°W
122°W
120°W
118°W
116°W
114°W
112°W
60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Top Height

Surface-2 m Temps
2100 Z

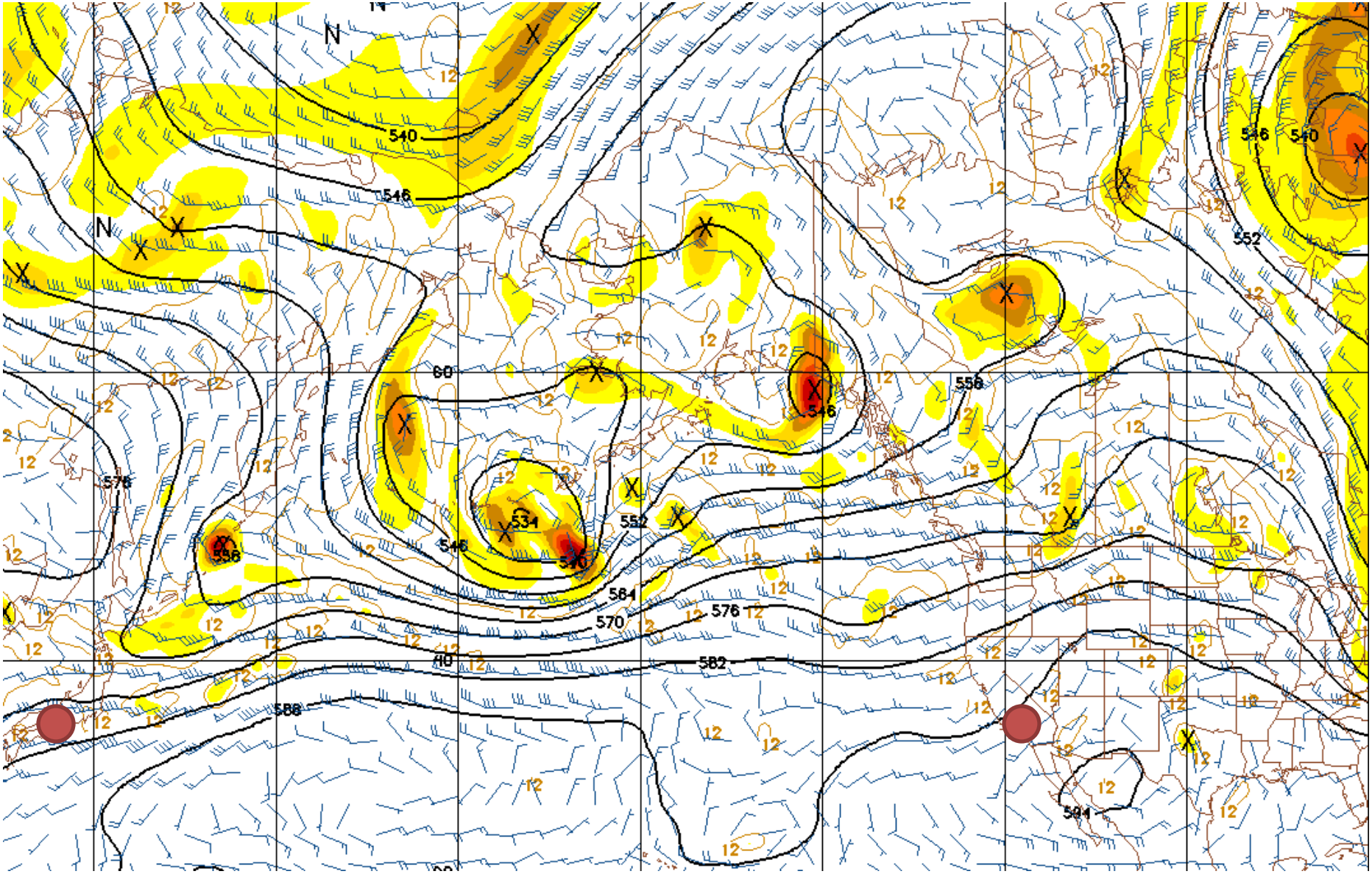


Tuesday

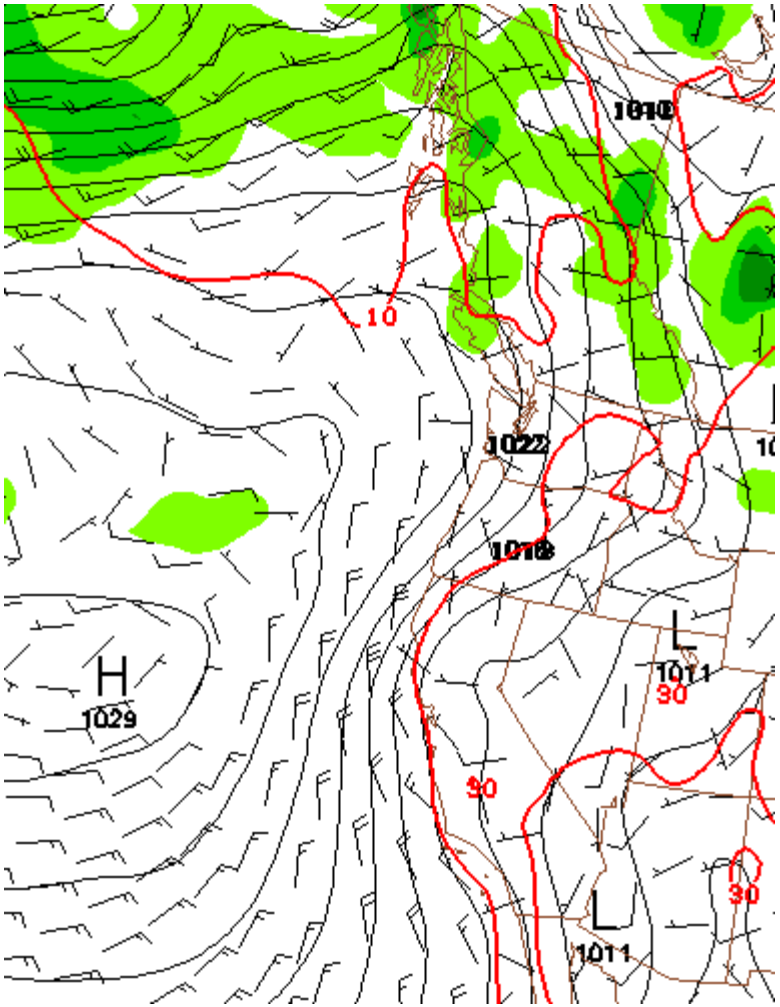
June 24th

1800Z (11AM)

GFS Pacific 500 mb

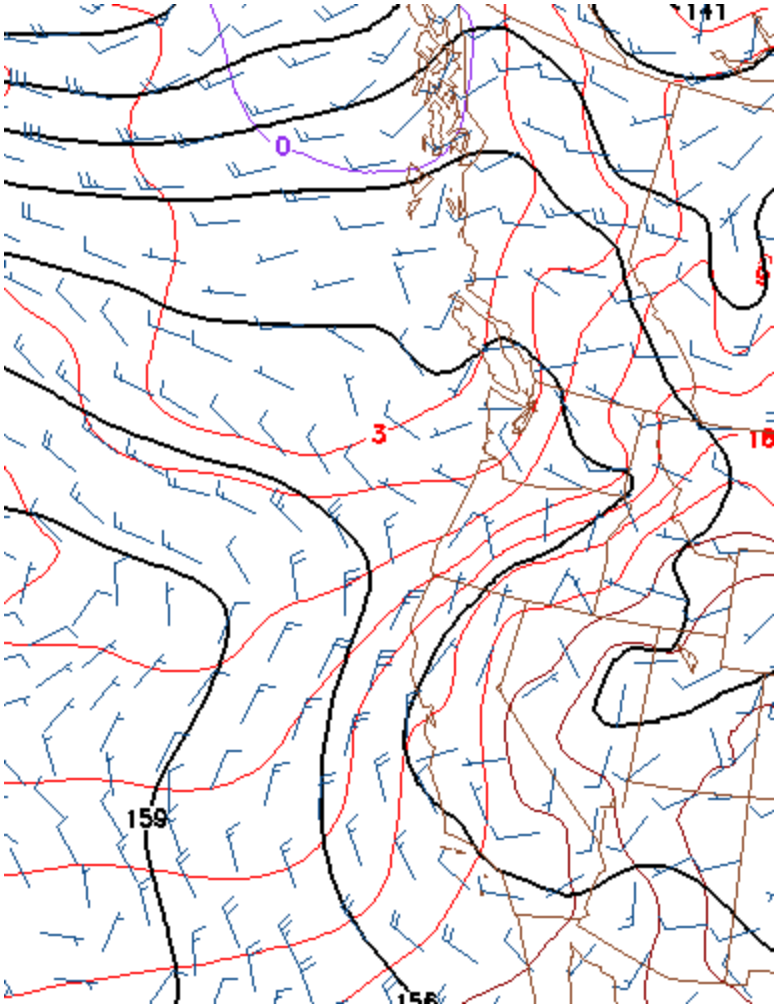


GFS Surface Forecast



850 mb Forecast

GFS



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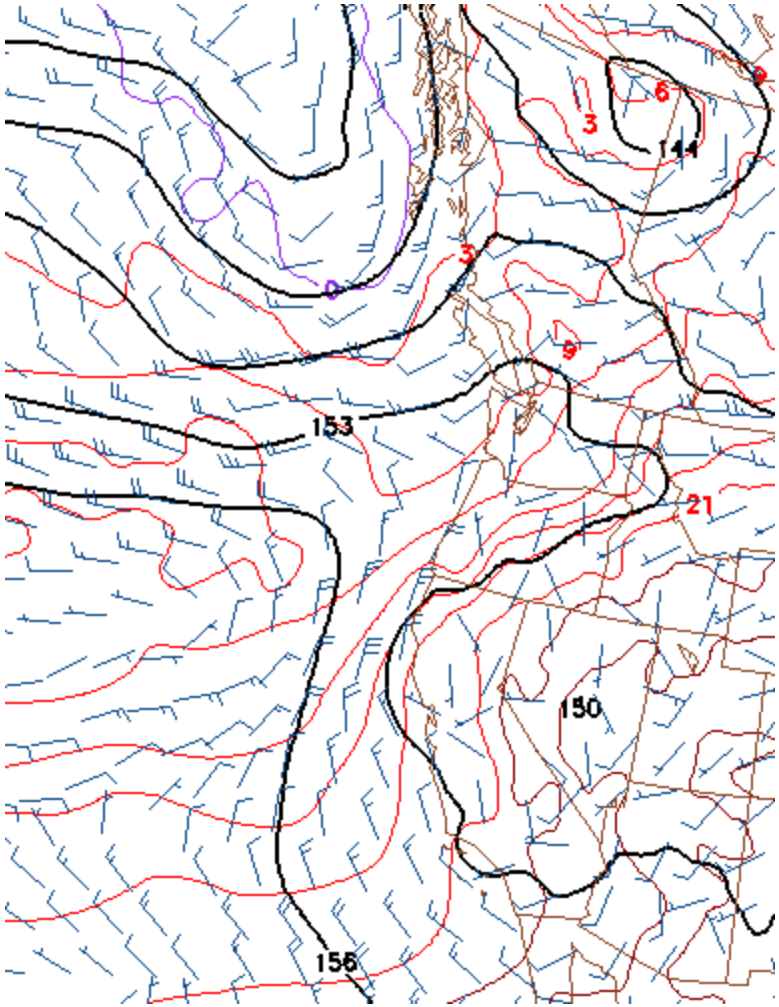
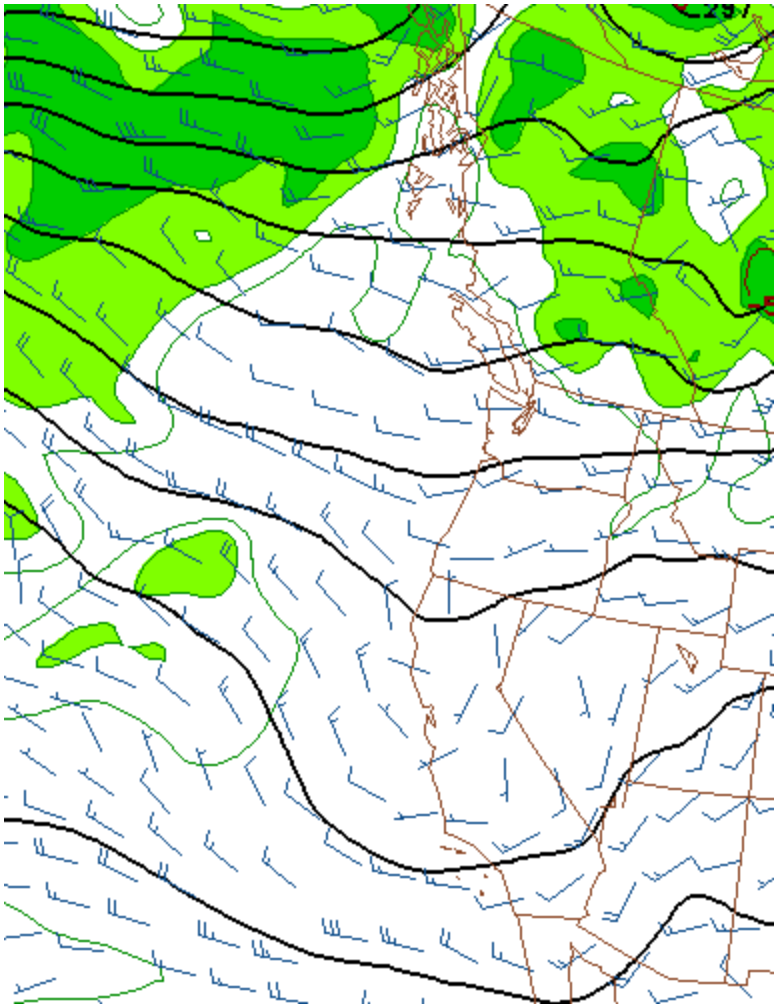
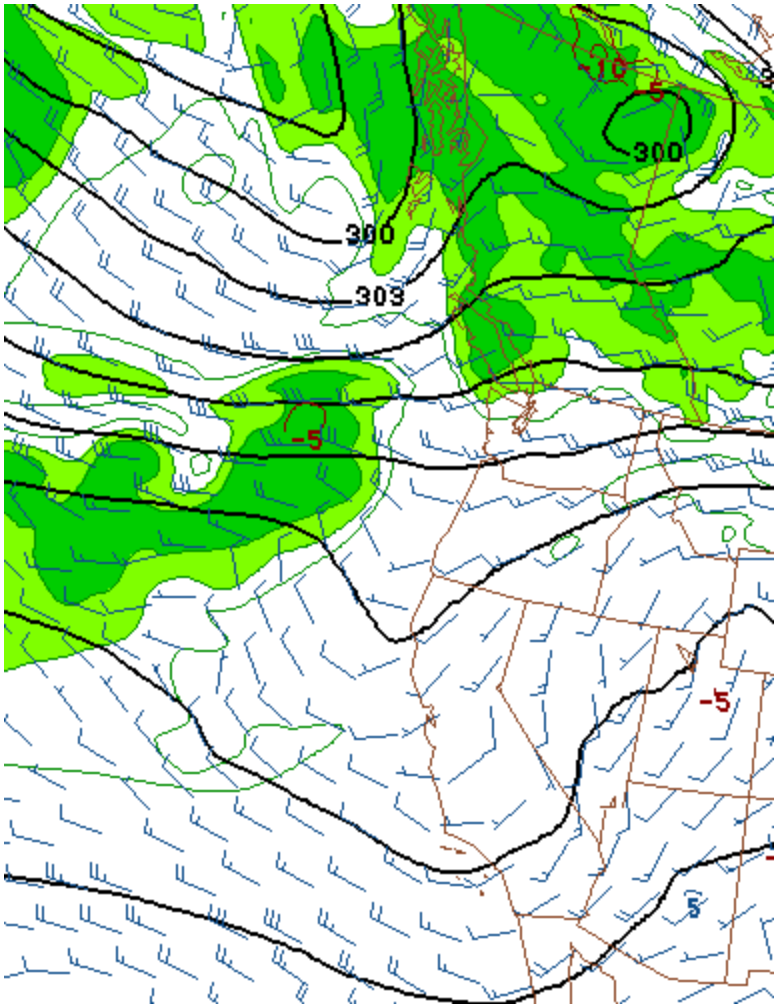


700 mb Forecast

GFS

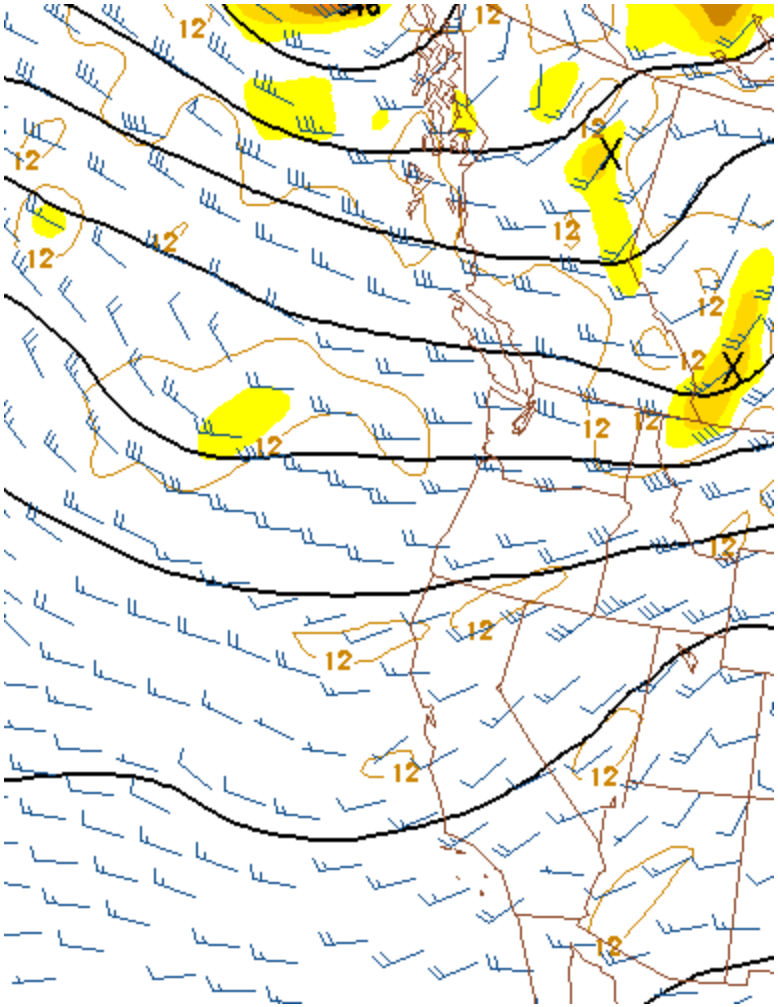


NAM

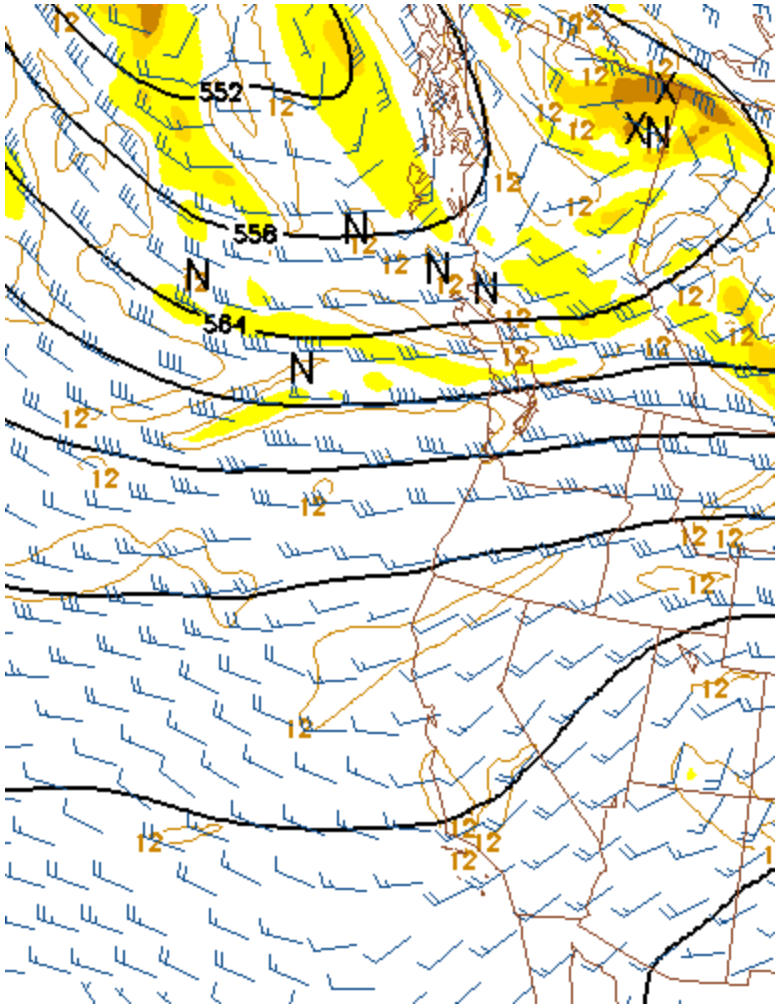


500 mb Forecast

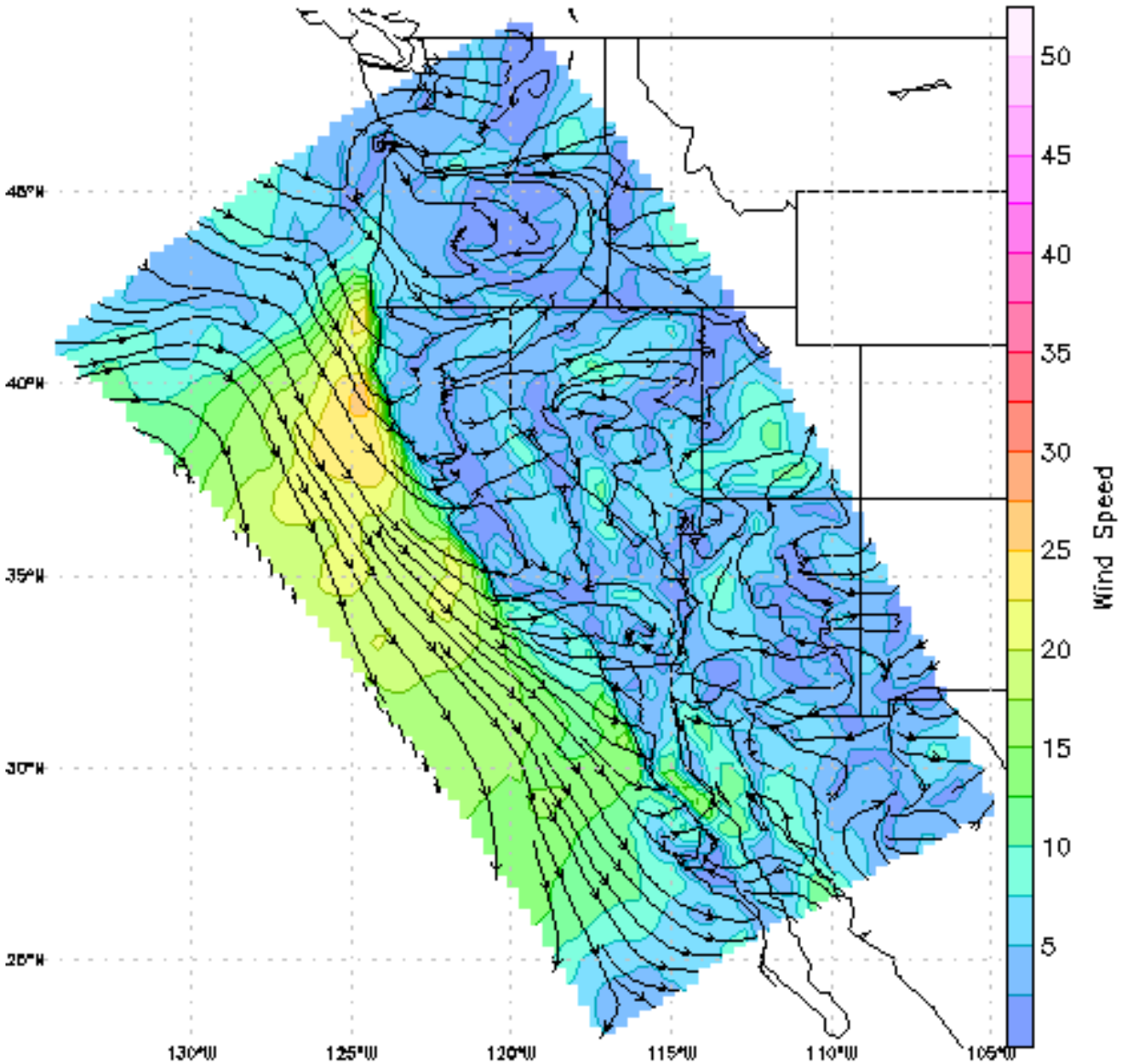
GFS



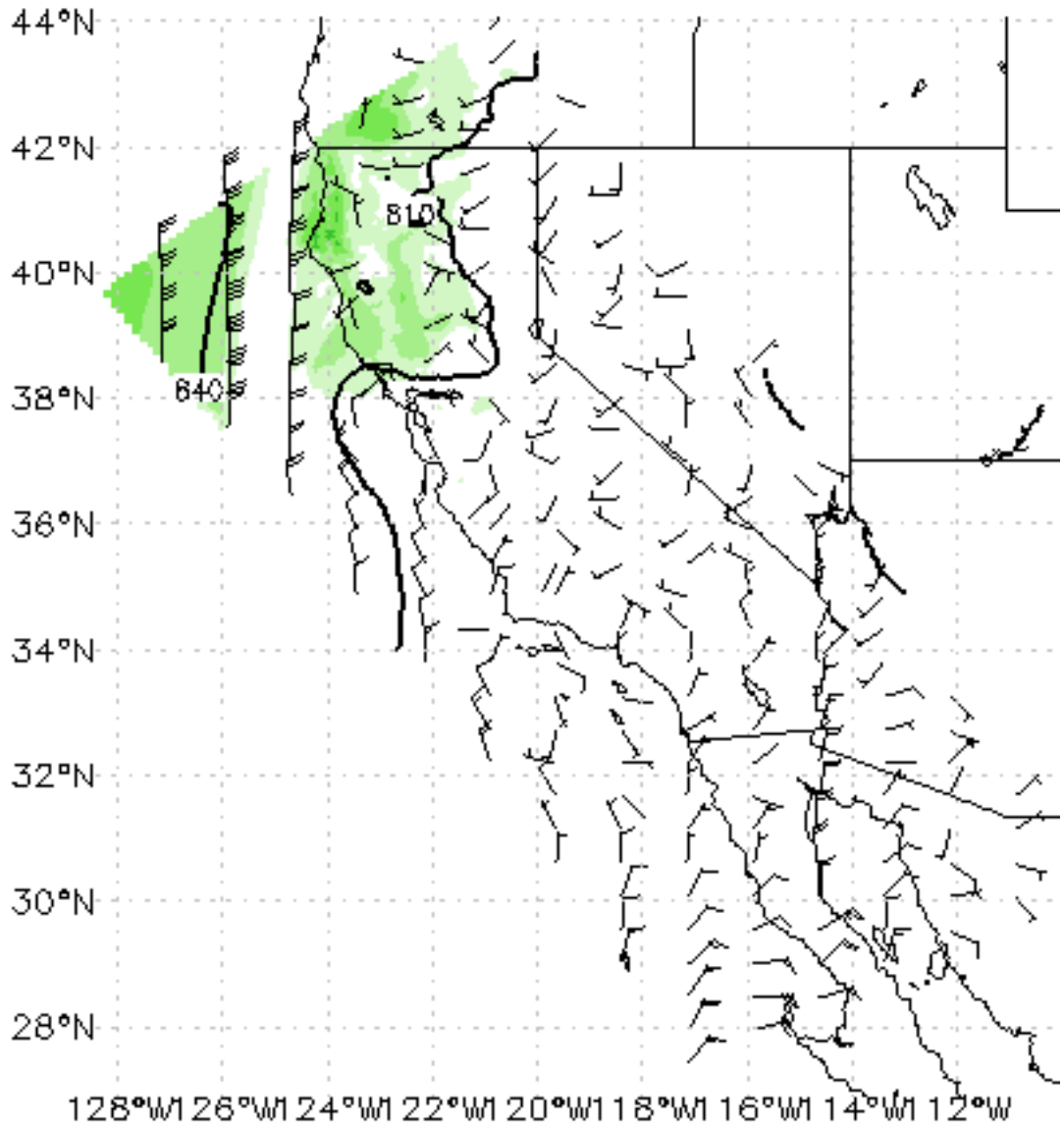
NAM



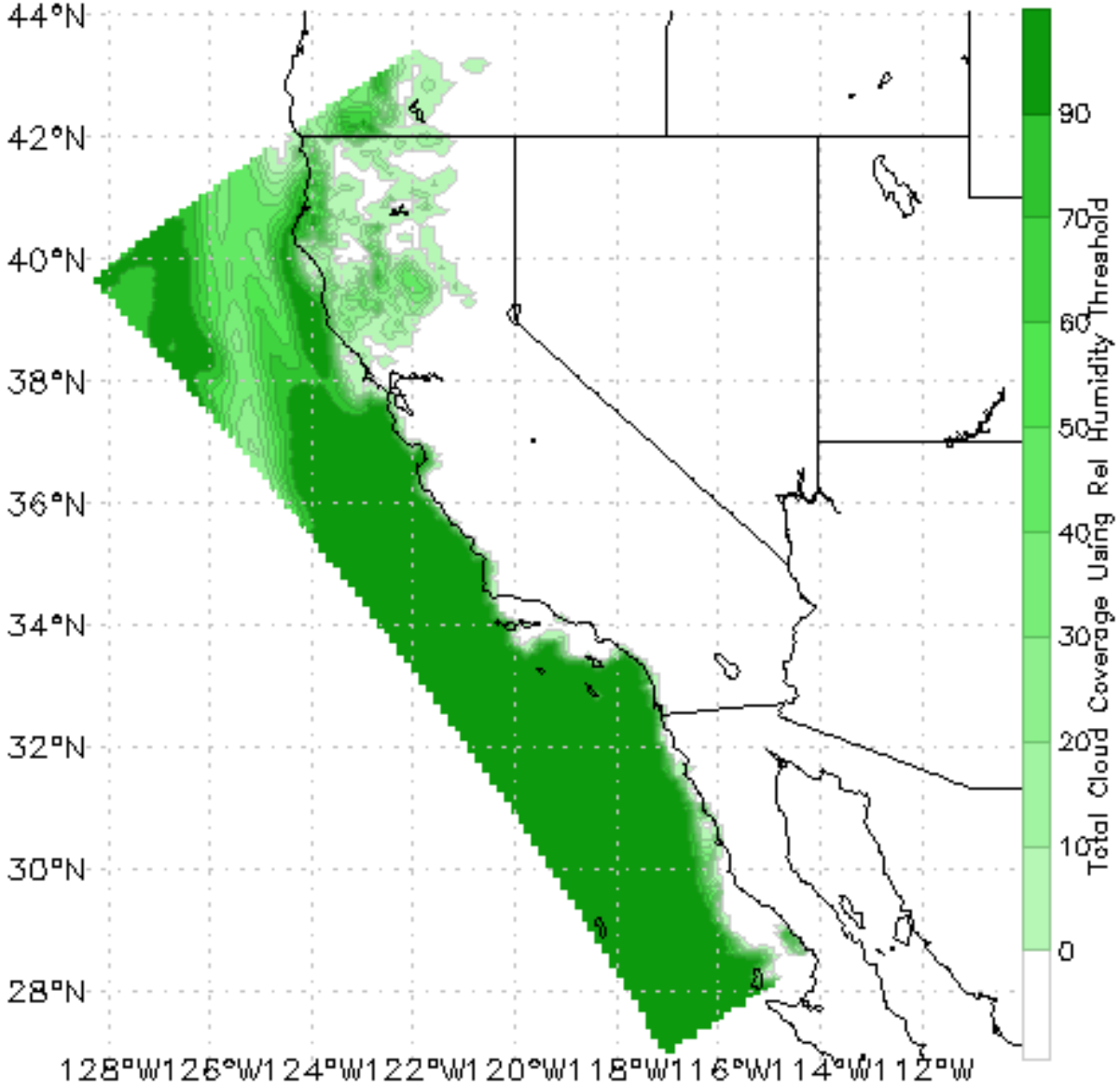
10 m Winds


45°N
40°N
35°N
30°N
25°N
130°W
125°W
120°W
115°W
110°W
105°W
50
45
40
35
30
25
20
15
10
5
Wind Speed

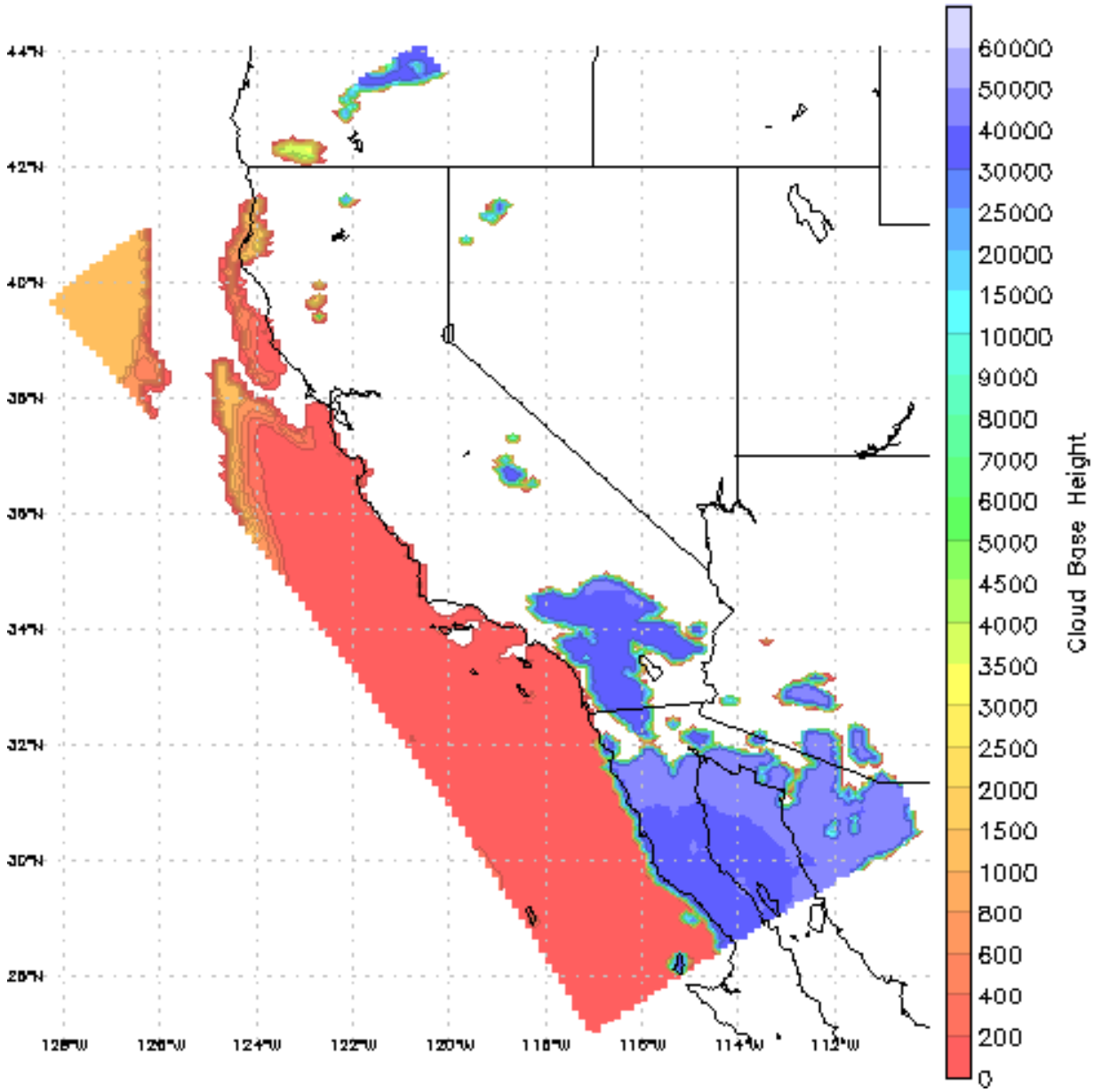
925 mb Winds/RH



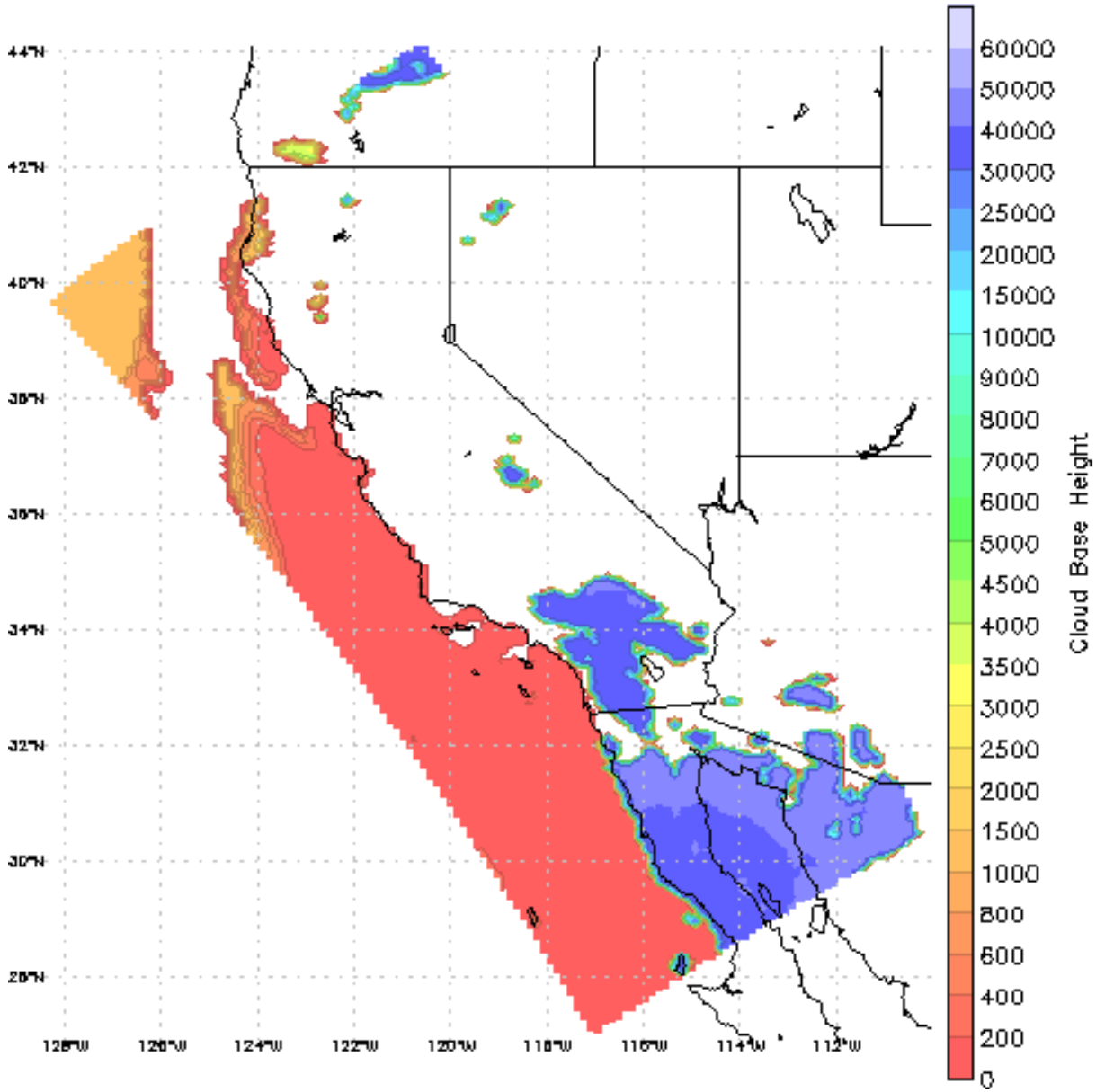
Low Cloud Amount (%)



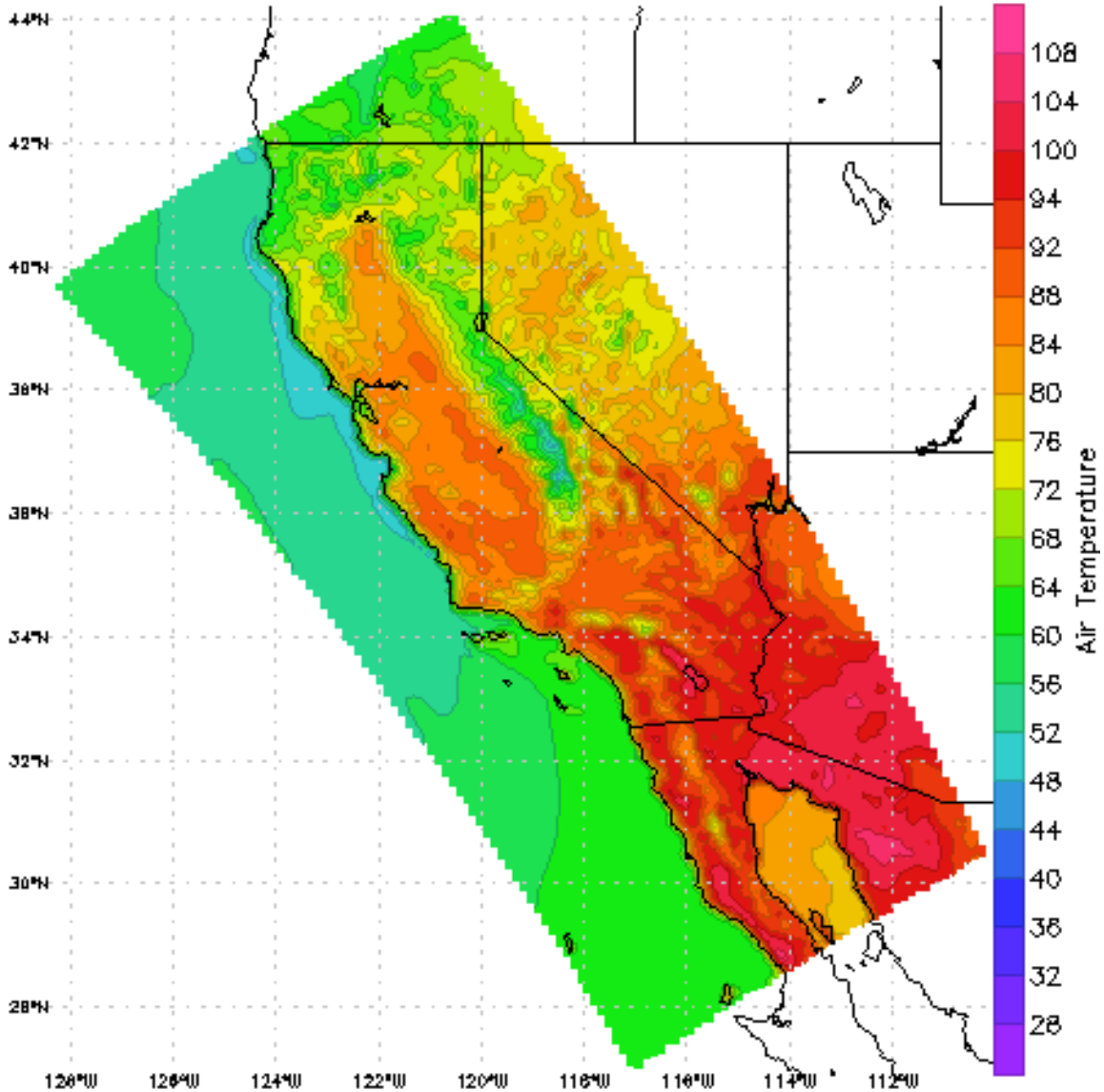
Cloud Base (ft.)



Cloud Top (ft.)


60000
50000
40000
30000
25000
20000
15000
10000
9000
8000
7000
6000
5000
4500
4000
3500
3000
2500
2000
1500
1000
800
600
400
200
0
Cloud Base Height

Surface-2 m Temp
2100 Z



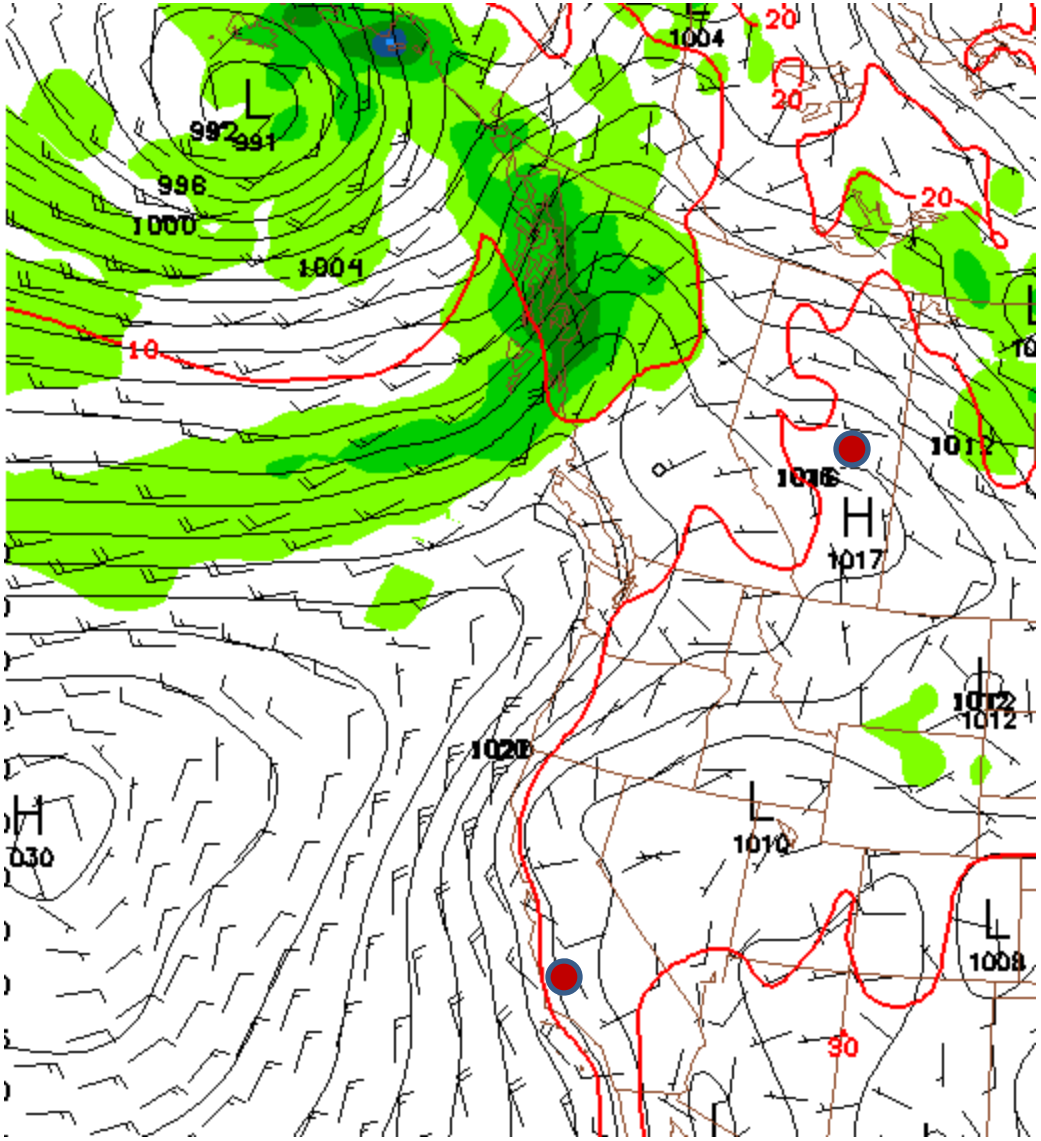
Transit Day

Thursday

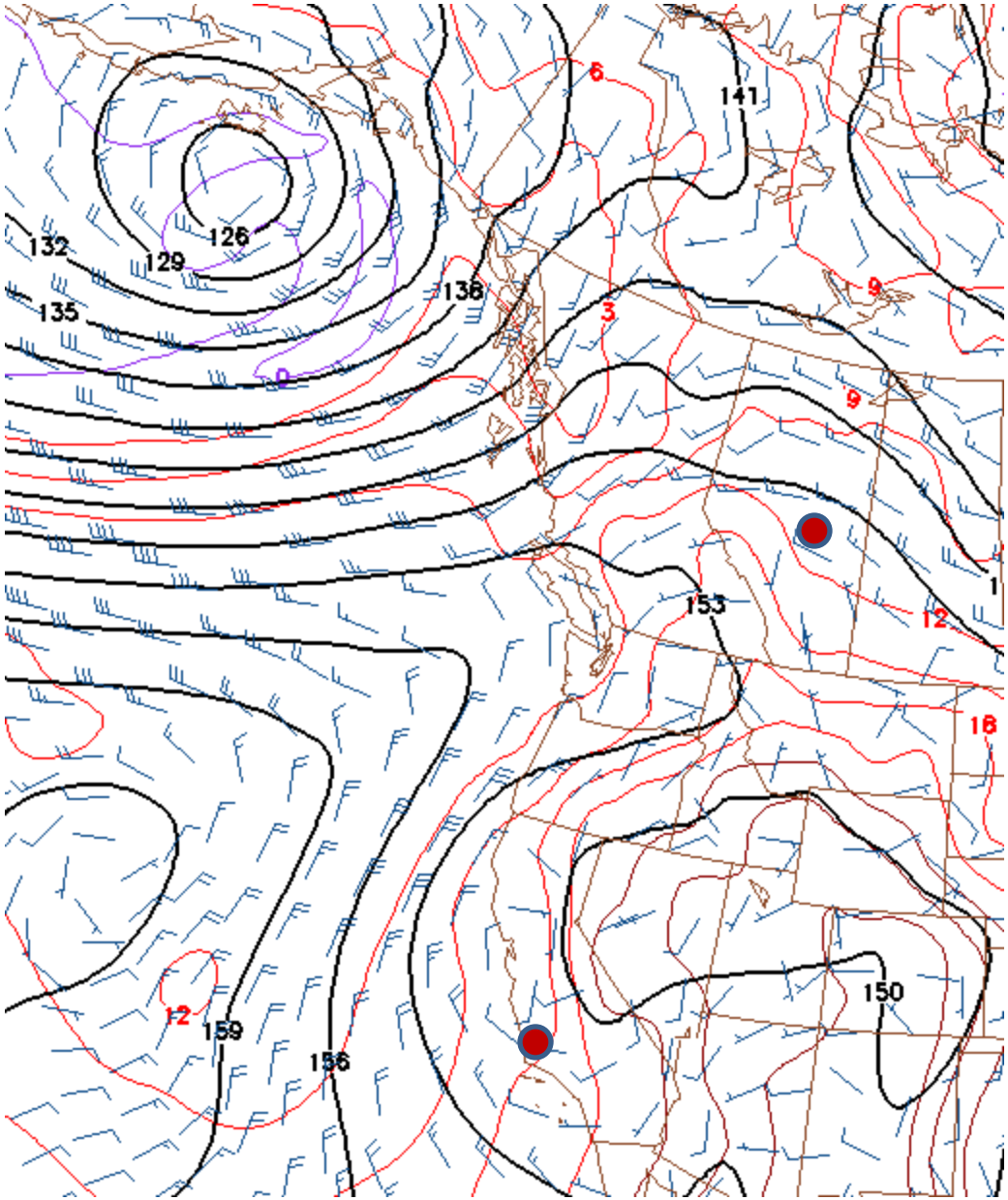
June 26th

1800Z (11AM)

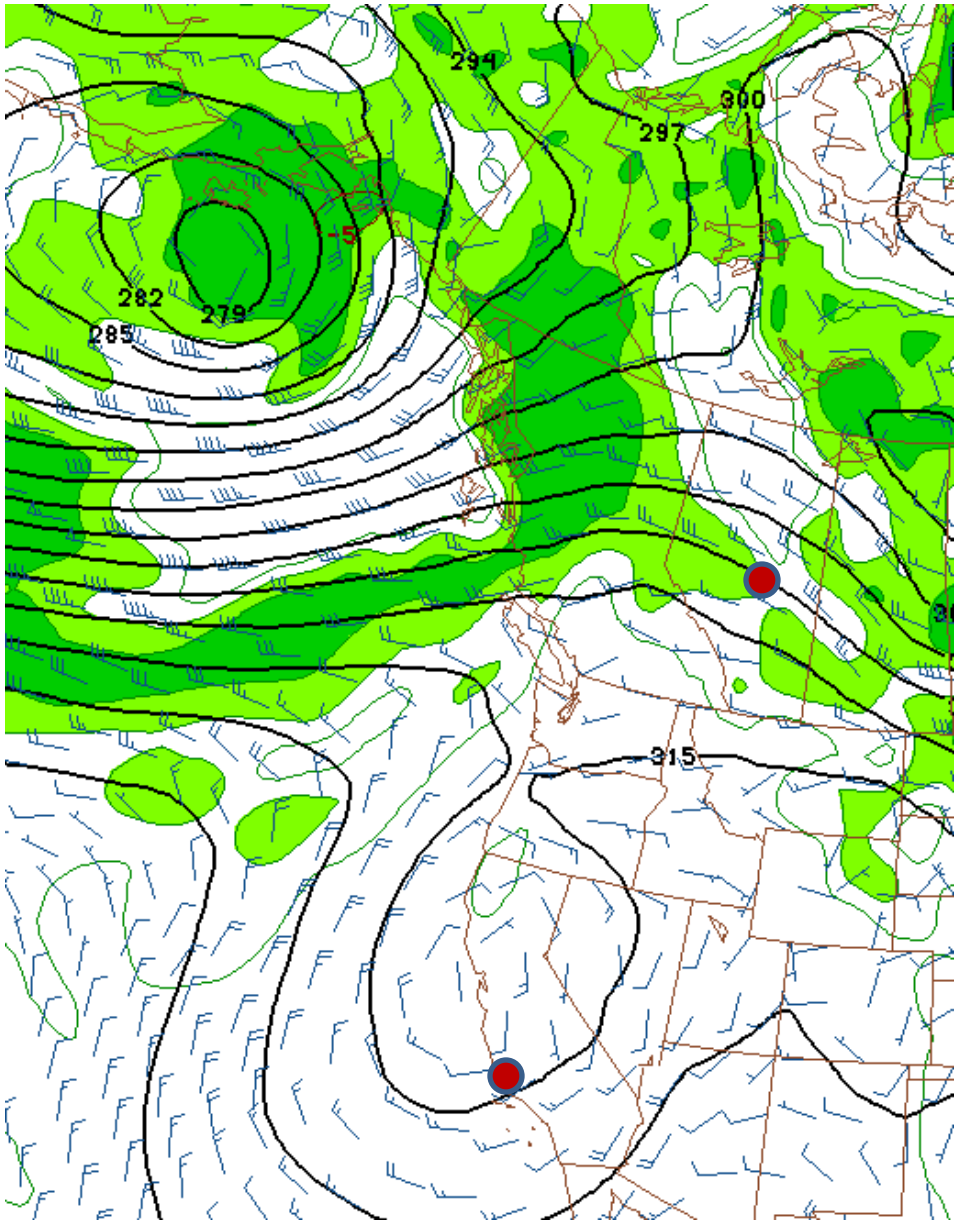
GFS Surface Forecast



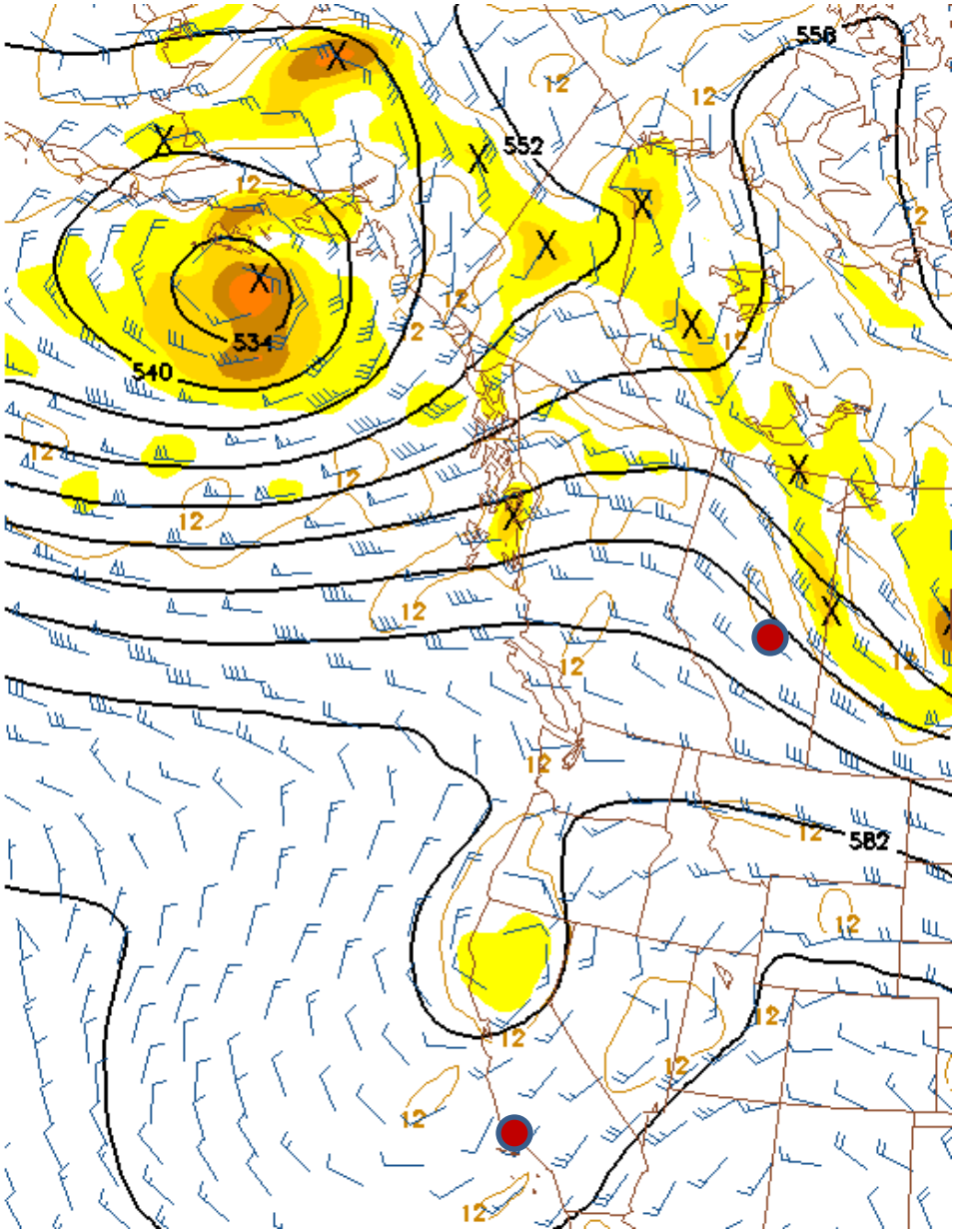
GFS 850 mb Forecast



GFS 700 mb Forecast



GFS 500 mb Forecast



Palmdale Forecast

Today

Hot

Hi 107°F

Tonight

Clear

Lo 68°F

Sunday

Windy

Hi 103°F

Sunday Night

Windy

Lo 67°F

Monday

Hot

Hi 99°F

Monday Night

Mostly Clear

Lo 63°F

Tuesday

Hot

Hi 98°F

Tuesday Night

Mostly Clear

Lo 63°F

Wednesday

Sunny

Hi 95°F