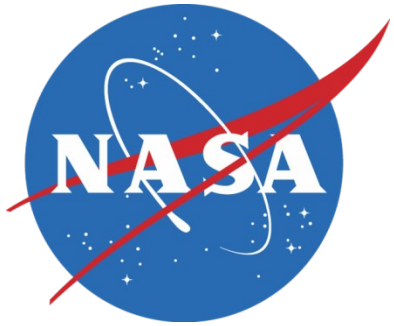
FLIGHT DAY FORECAST

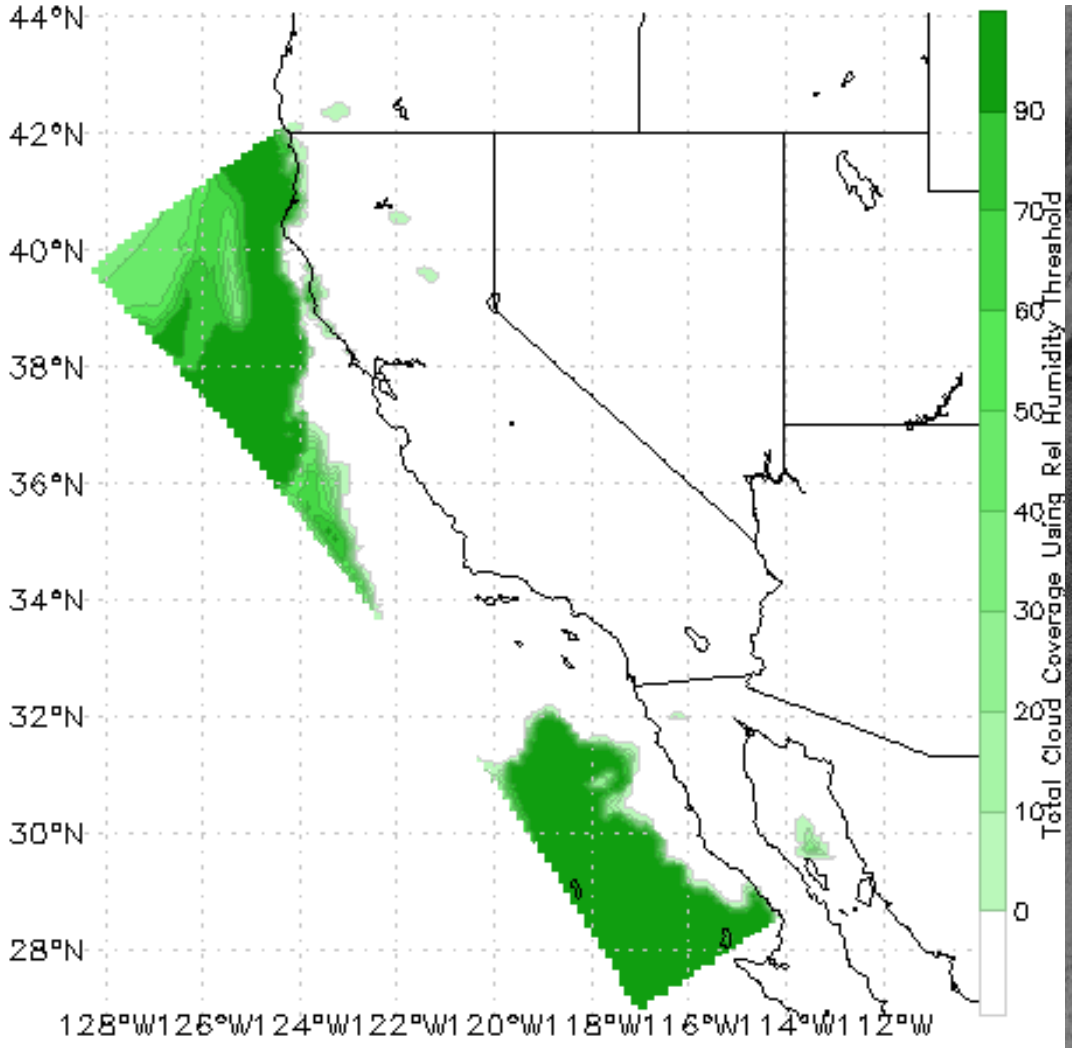
6/20/2008
and a glimpse ahead to
6/22/2008

Henry Fuelberg
Donal Harrigan
Walter Sessions

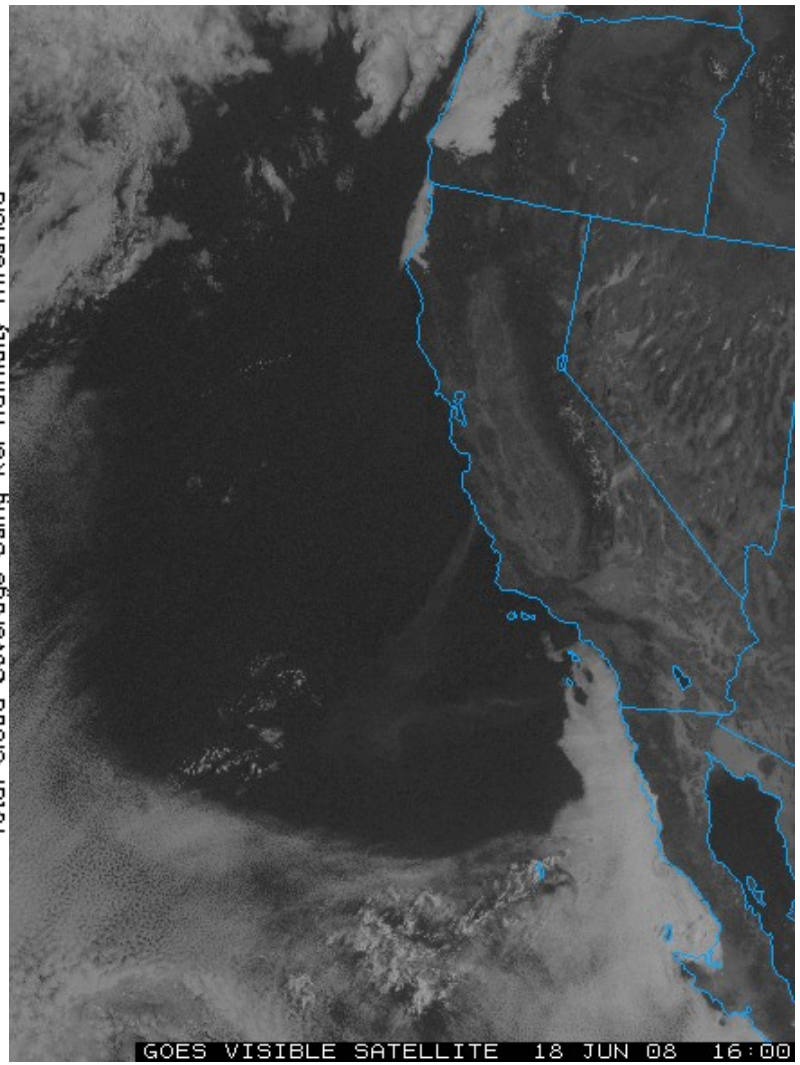
"Your eyes to the skies"



Forecast vs Observed

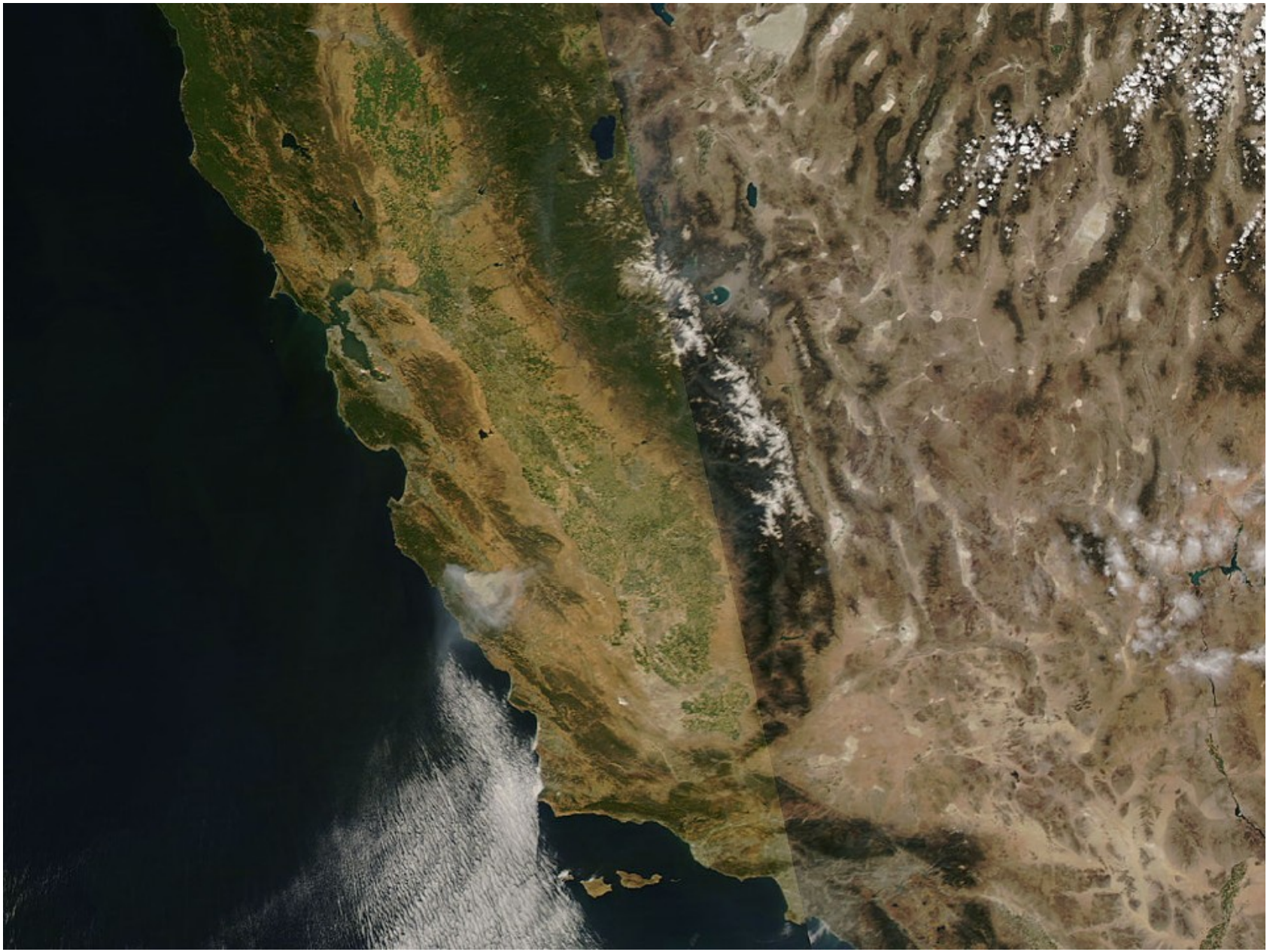


11 AM Today (Tuesday Forecast)



9 AM Today GOES West

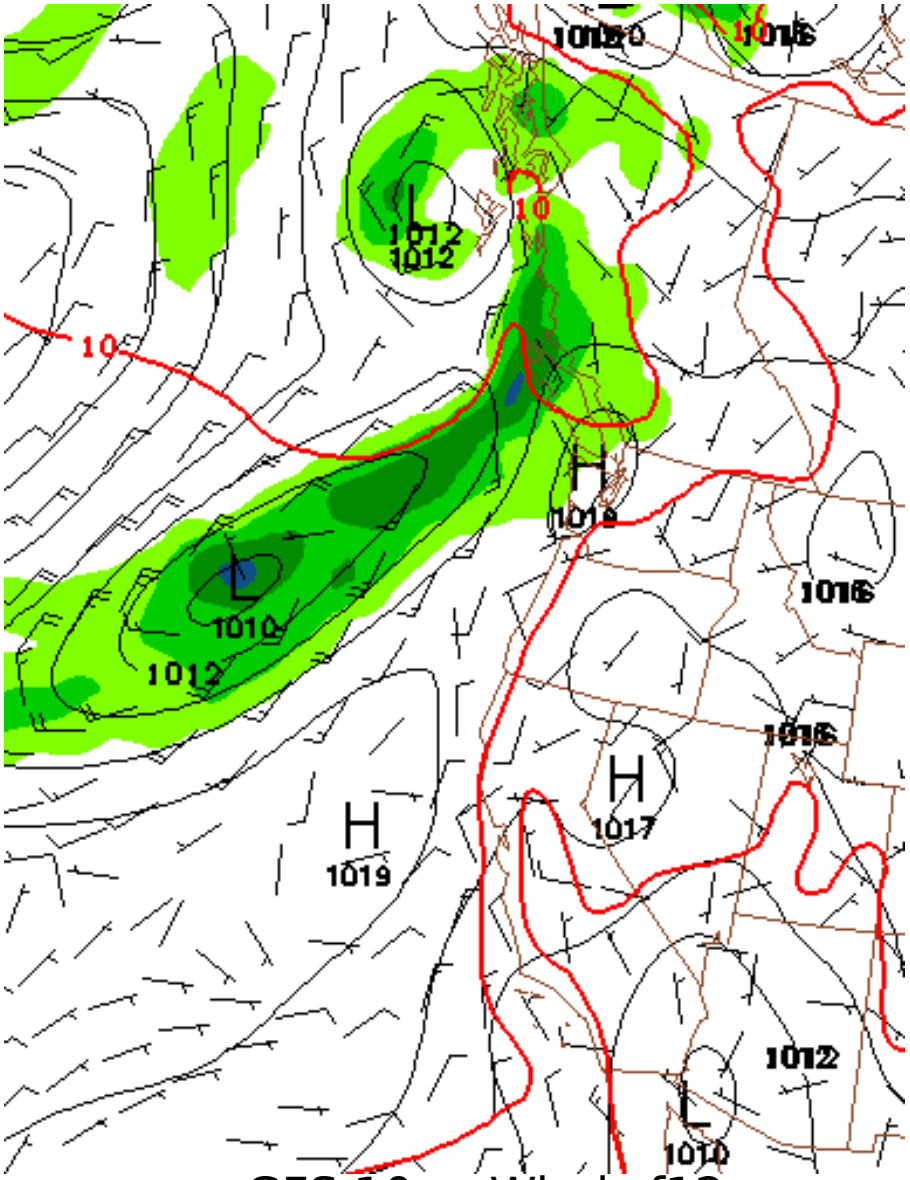
AQUA MODIS June 17 (PM)



Friday

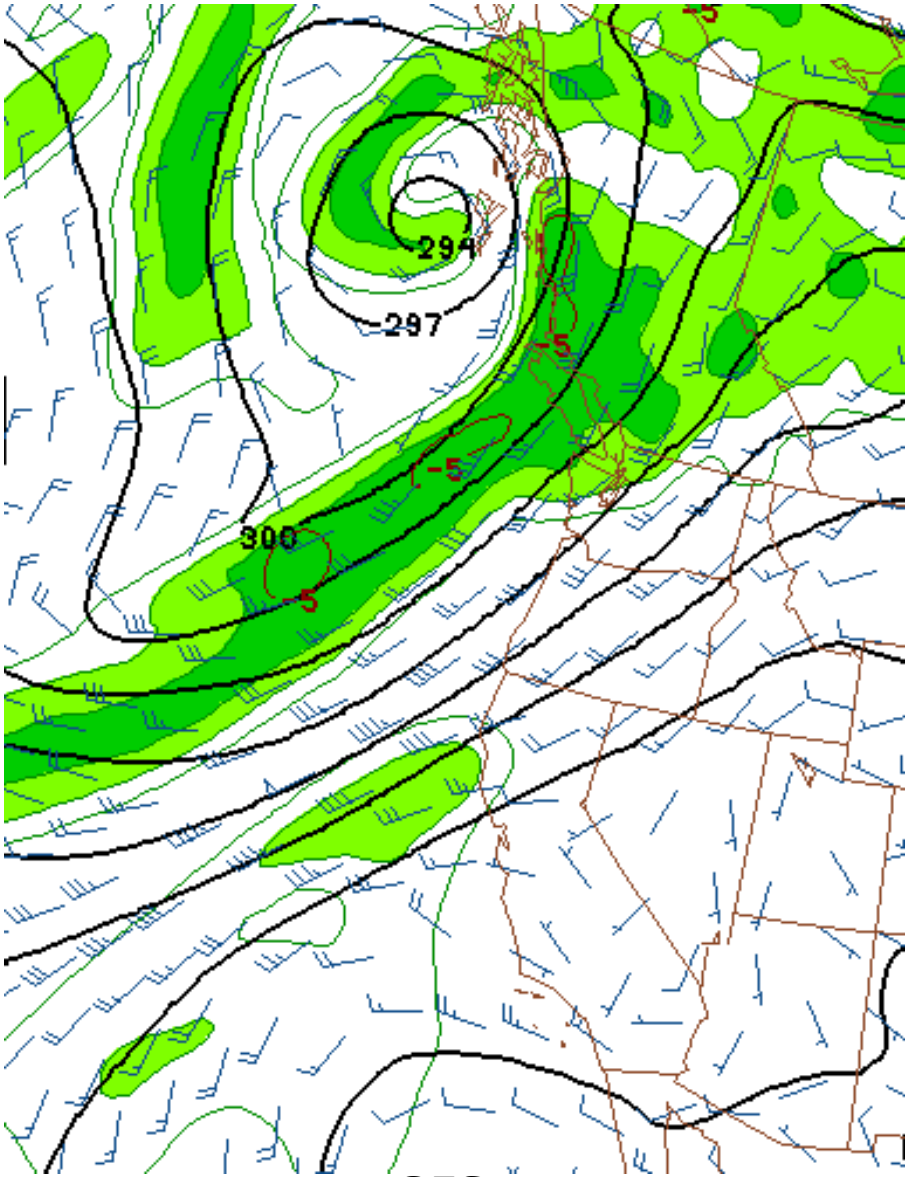
June 20th 2008

Surface Forecast 11am 6/20/08

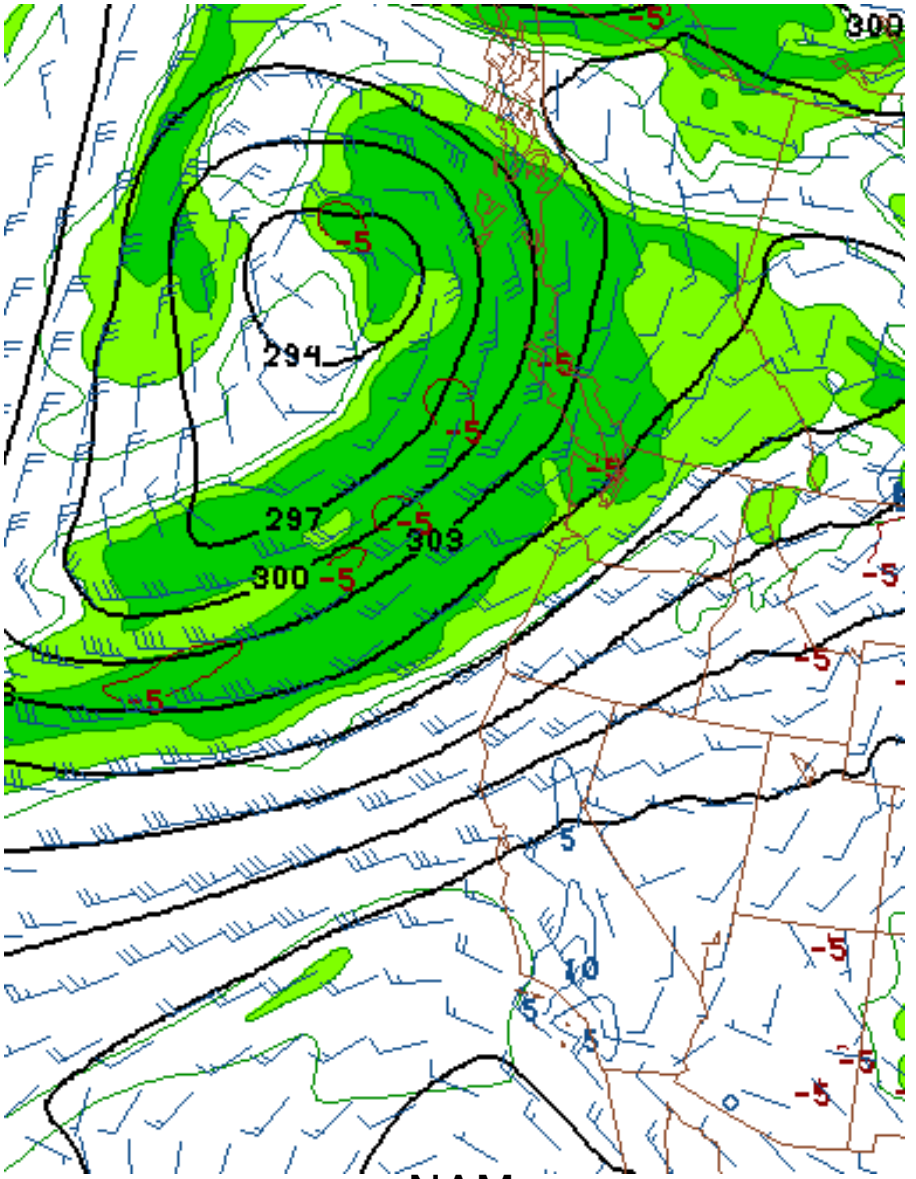


GFS 10 m Winds f12

700mb Forecast 11am 6/20/08

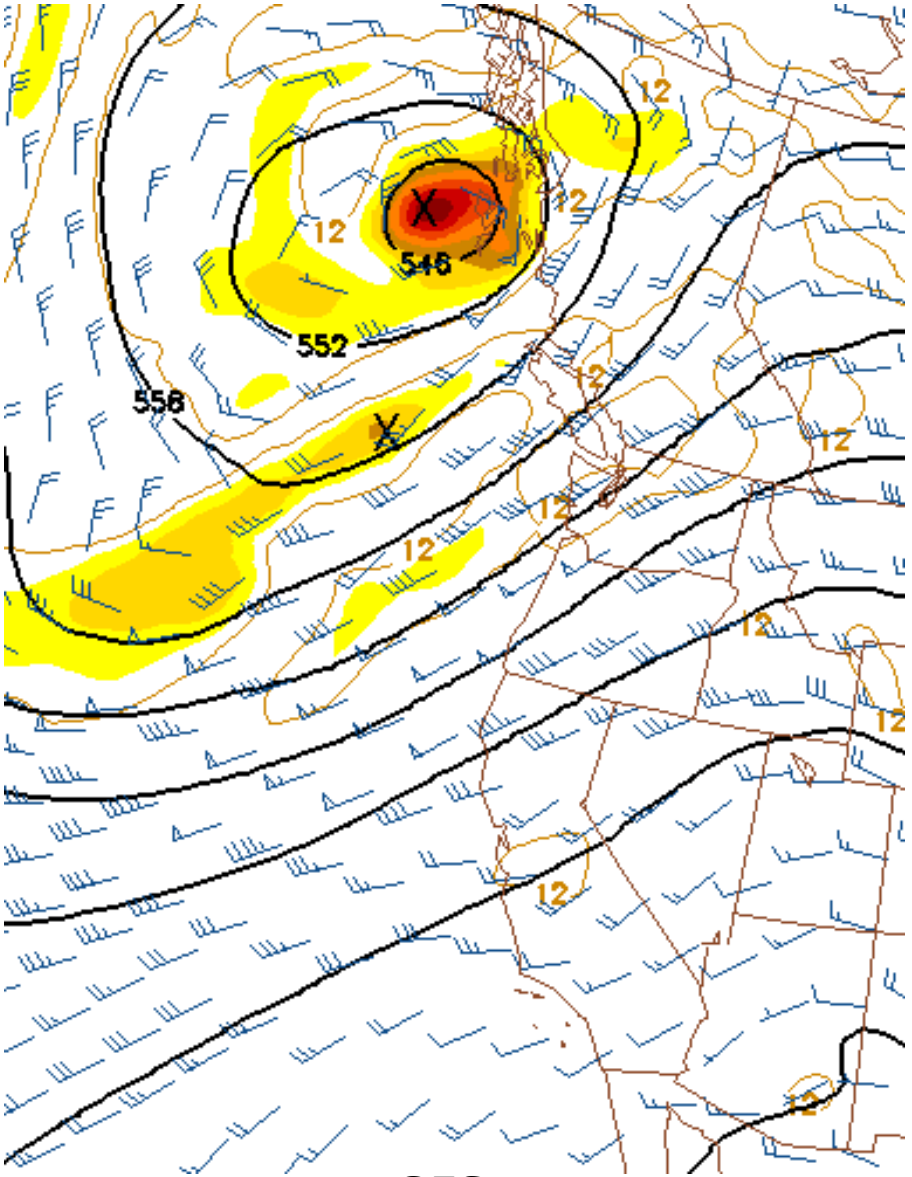


GFS

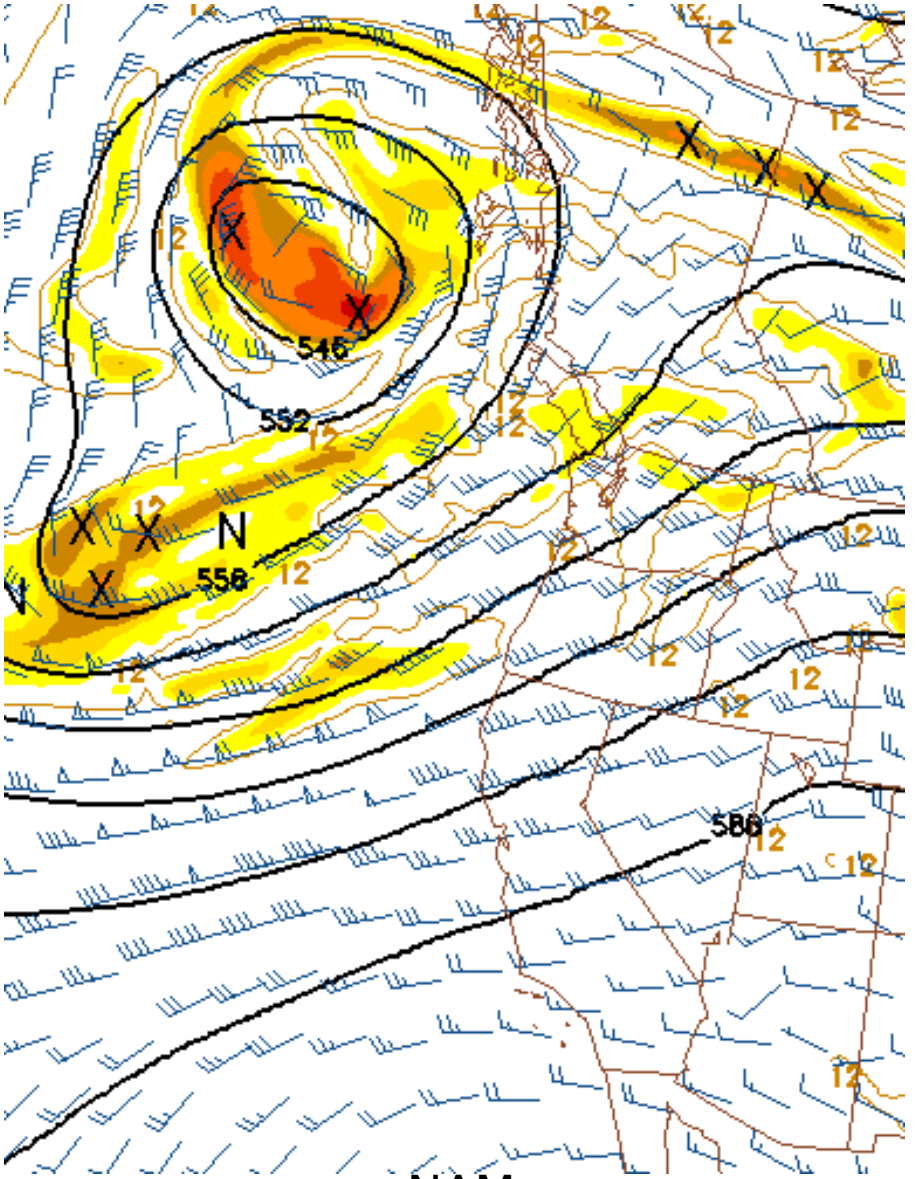


NAM

500mb Forecast 11am 6/20/08

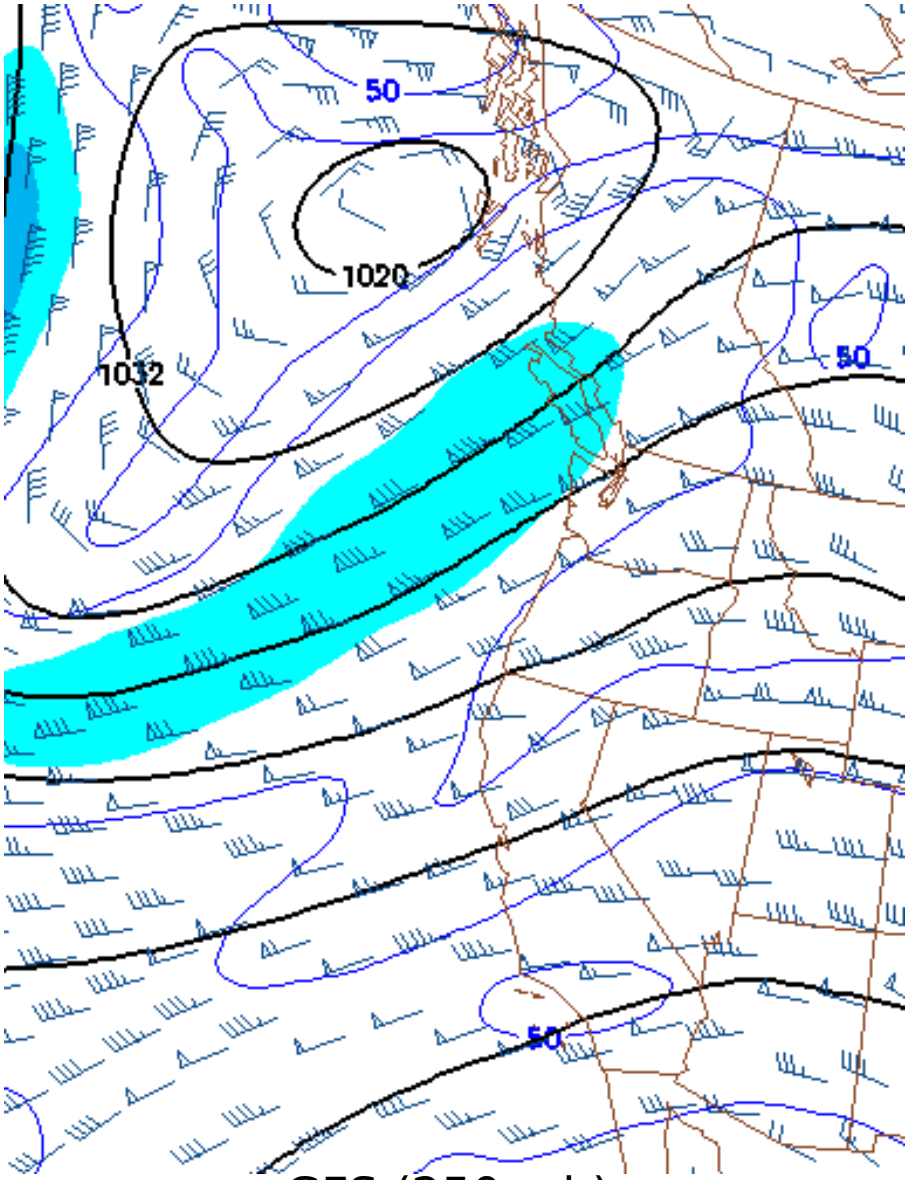


GFS

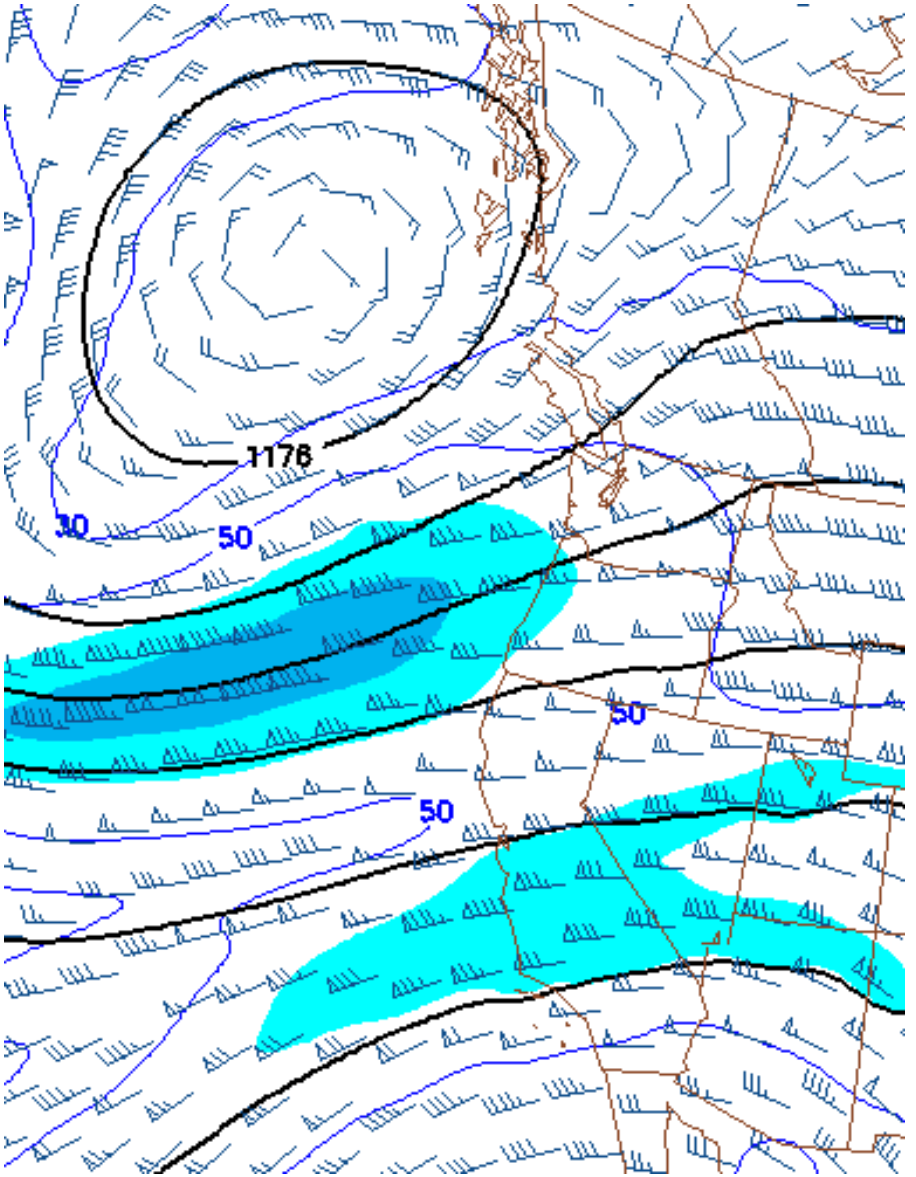


NAM

250/200mb Forecast 11am 6/20/08

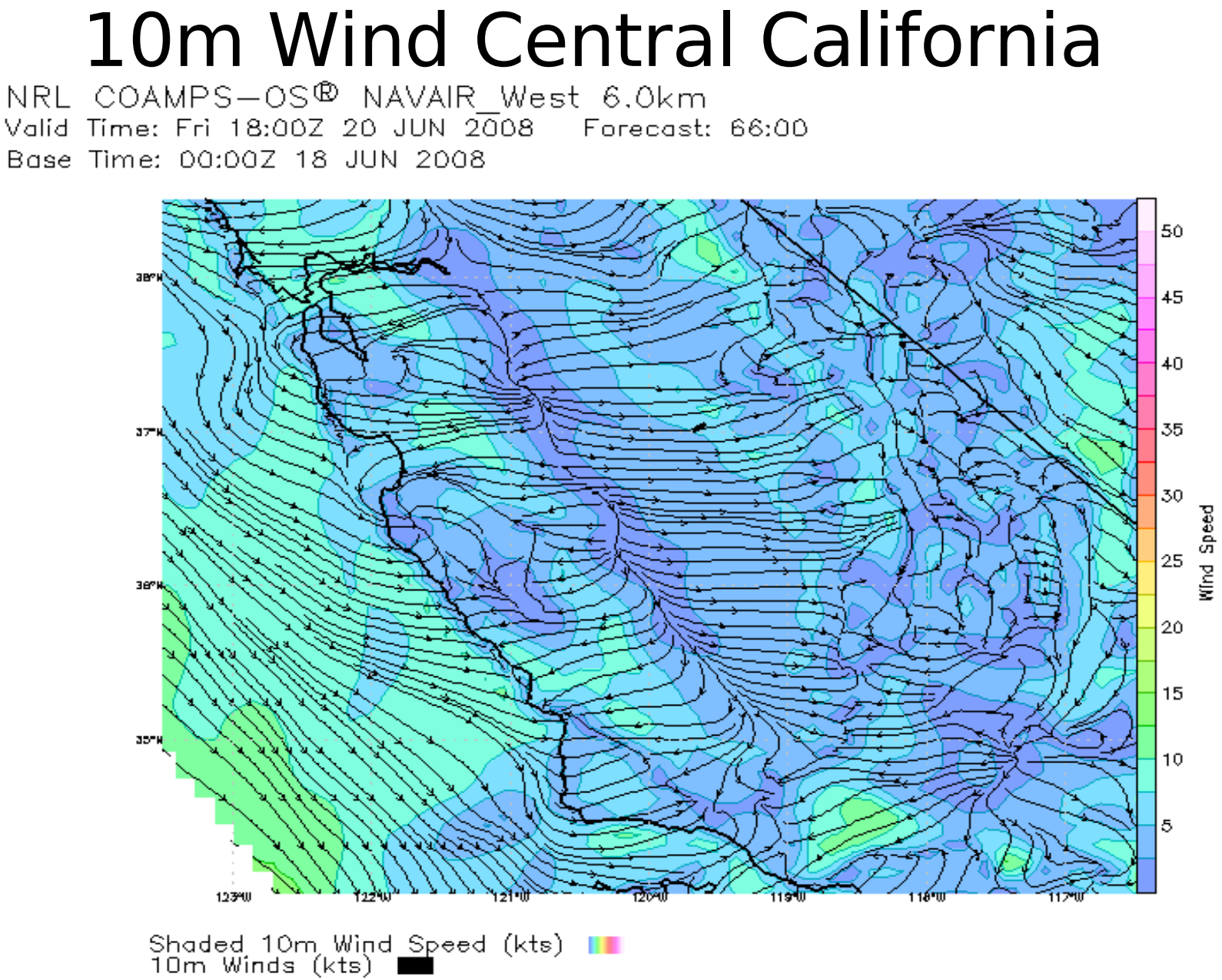


GFS (250 mb)

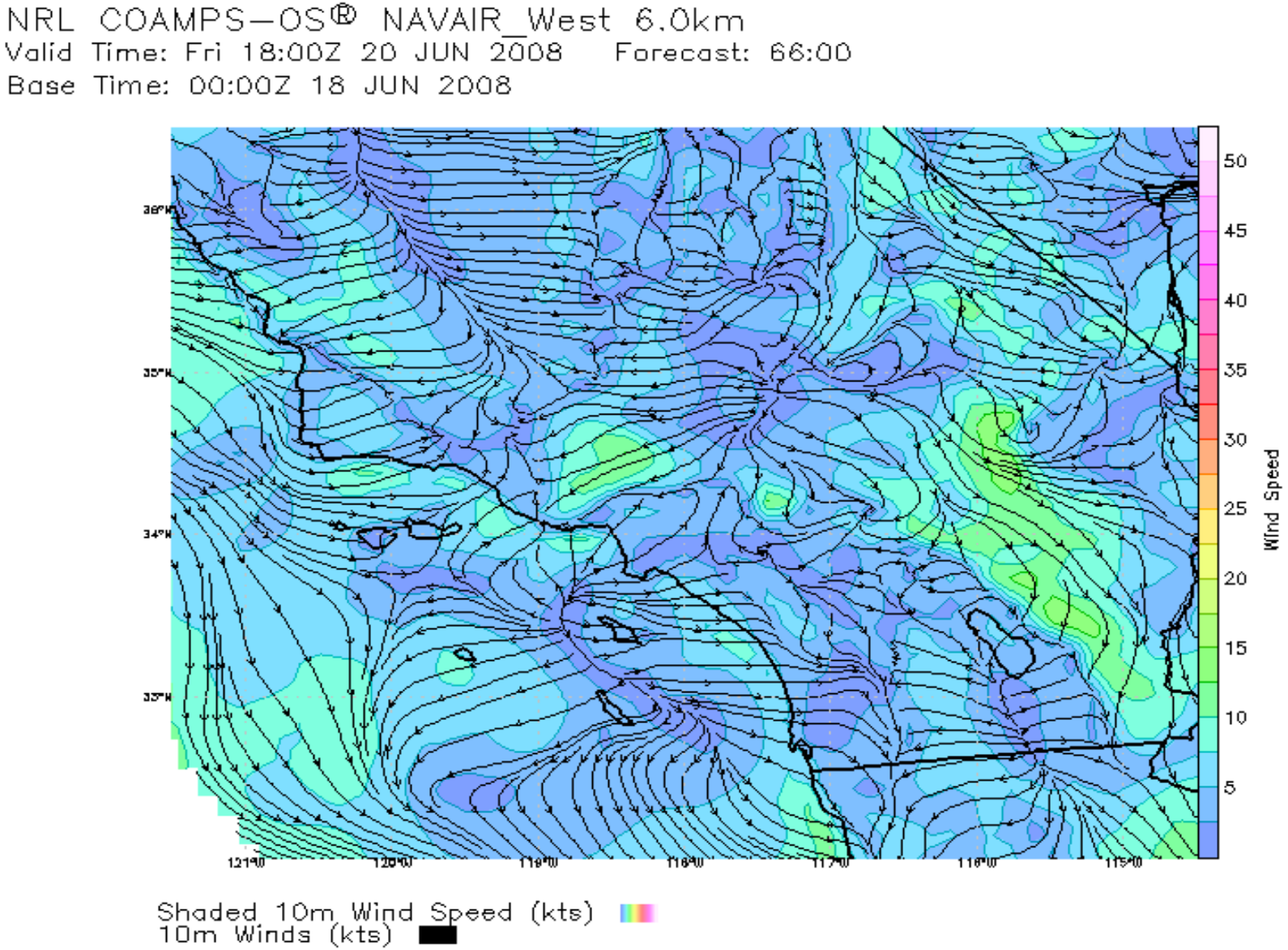


NAM (200 mb)

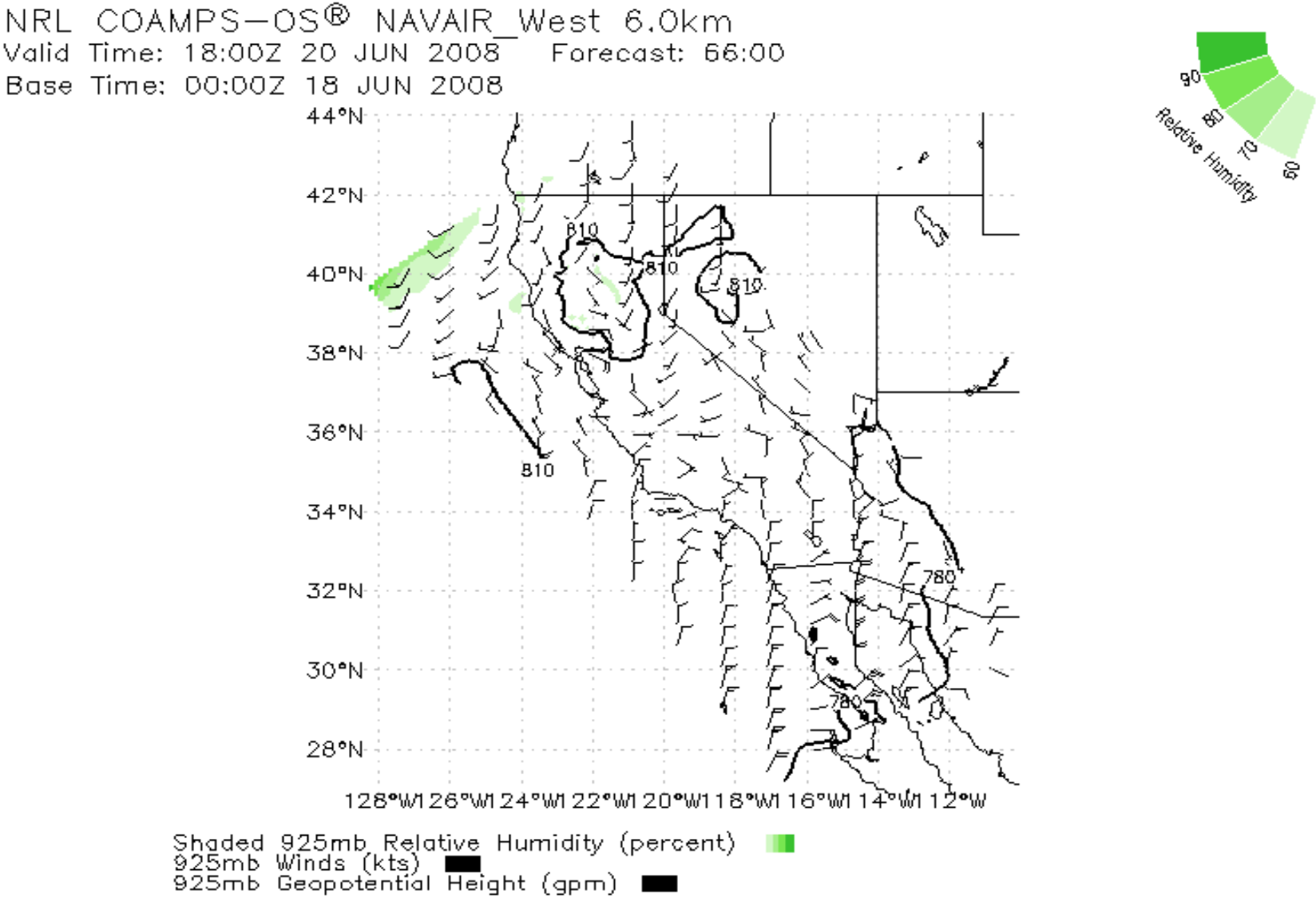
10m Wind Central California



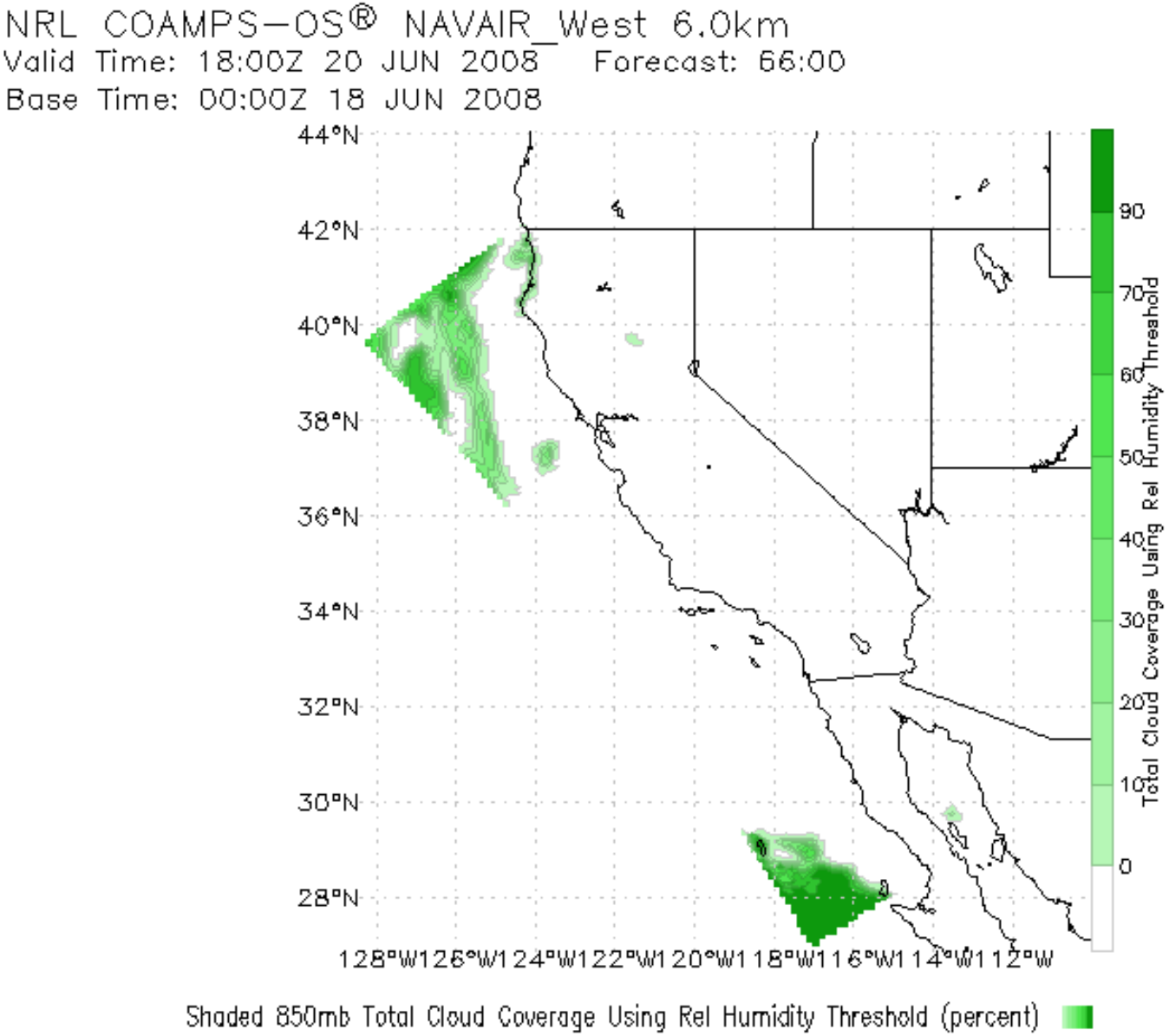
10m Wind Southern California



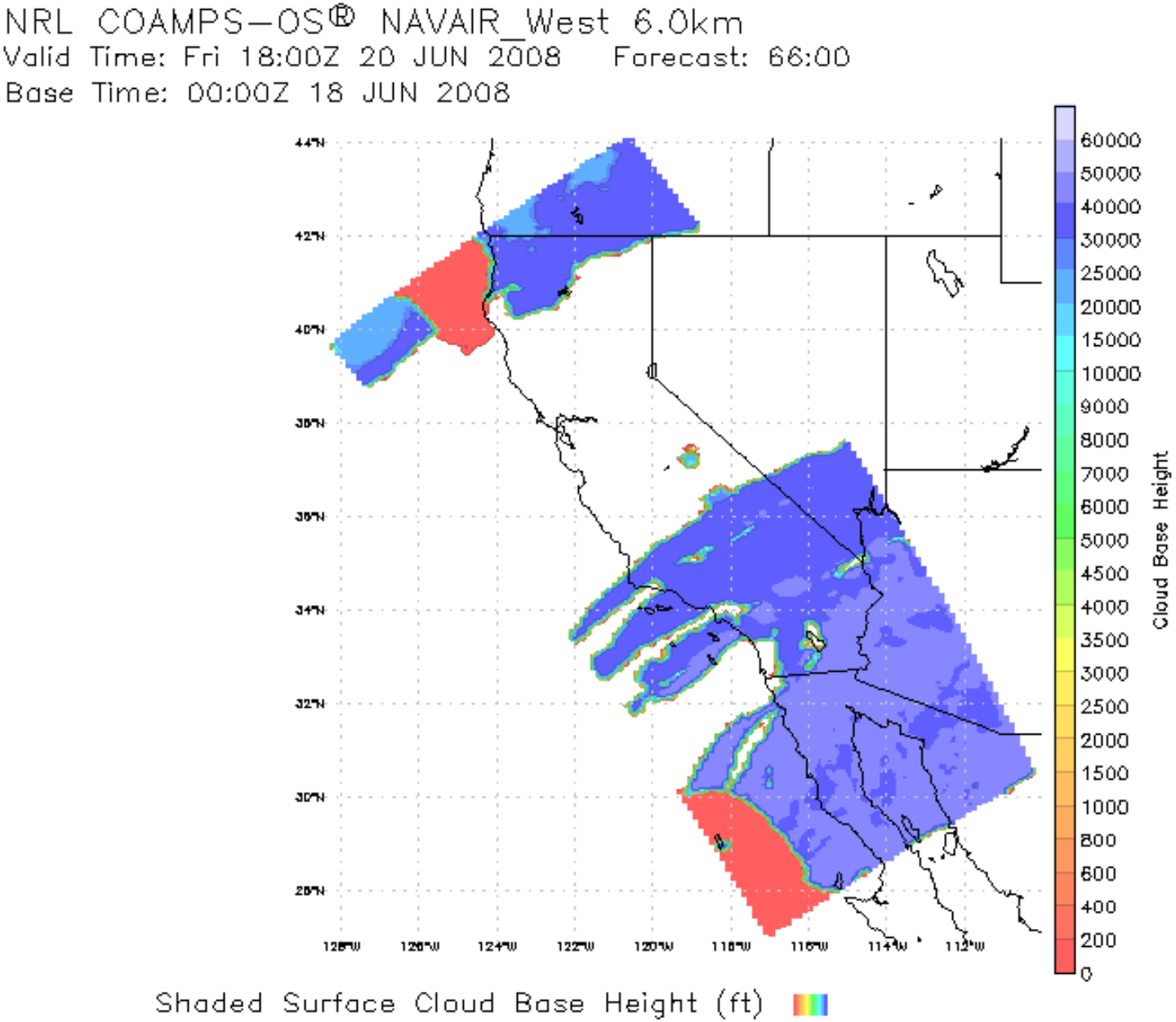
925 mb Winds, RH, GP Heights



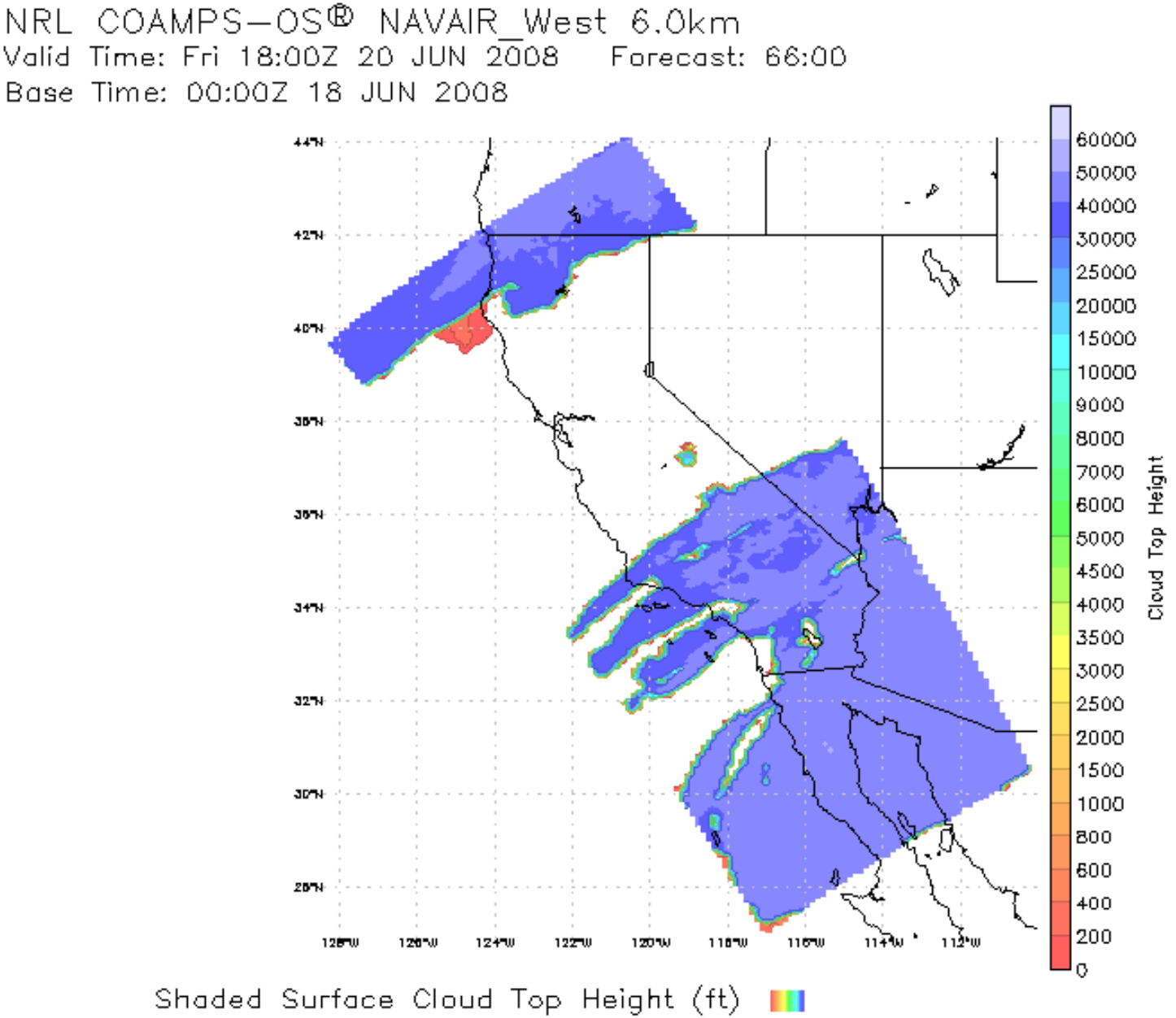
Low Cloud Amount %



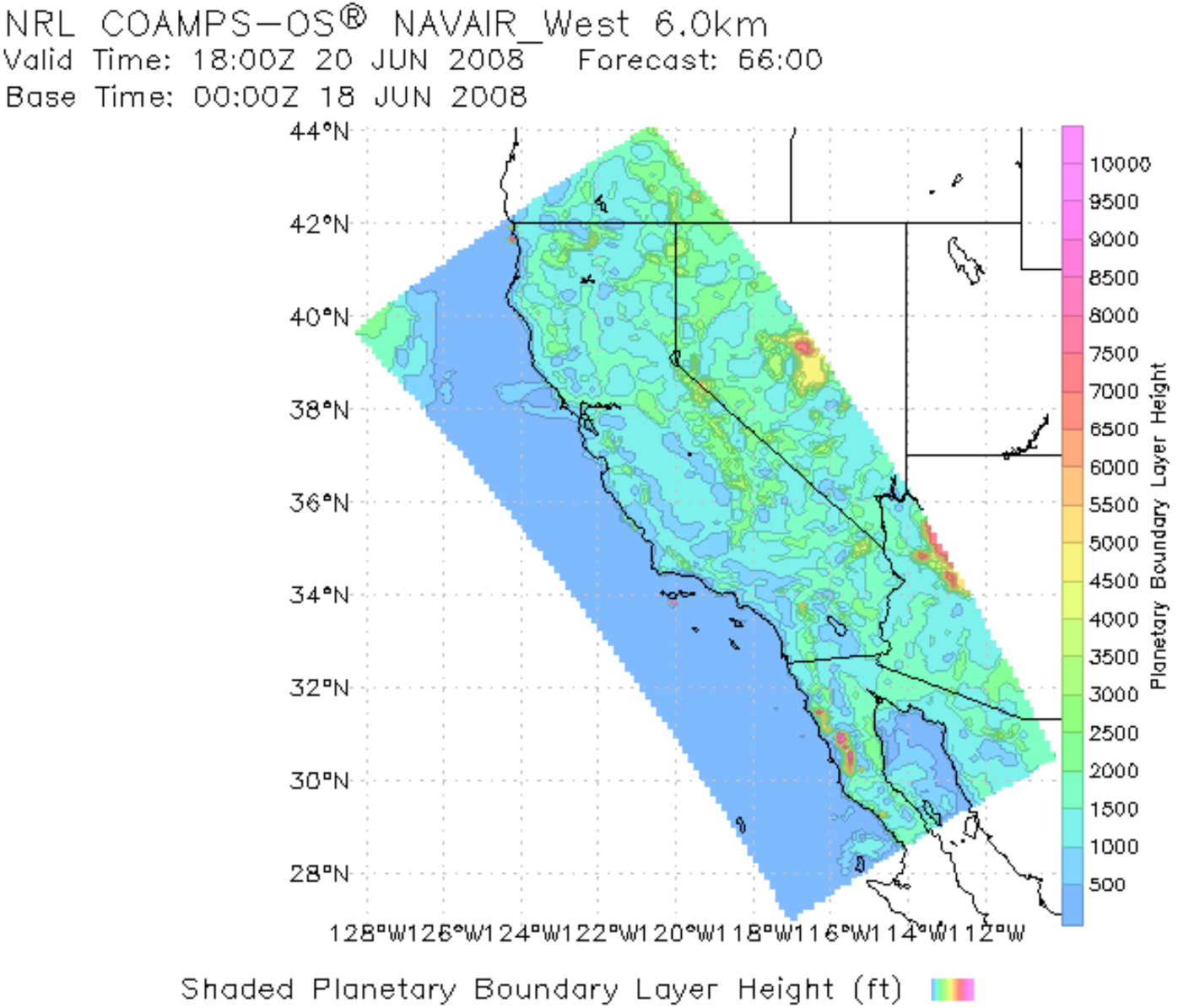
Cloud Base


NRL COAMPS—OS® NAVAIR_West 6.0km
Valid Time: Fri 18:00Z 20 JUN 2008 Forecast: 66:00
Base Time: 00:00Z 18 JUN 2008
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 Base Height
Shaded Surface Cloud Base Height (ft)

Cloud Top


NRL COAMPS—OS® NAVAIR_West 6.0km
Valid Time: Fri 18:00Z 20 JUN 2008 Forecast: 66:00
Base Time: 00:00Z 18 JUN 2008
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
Shaded Surface Cloud Top Height (ft)

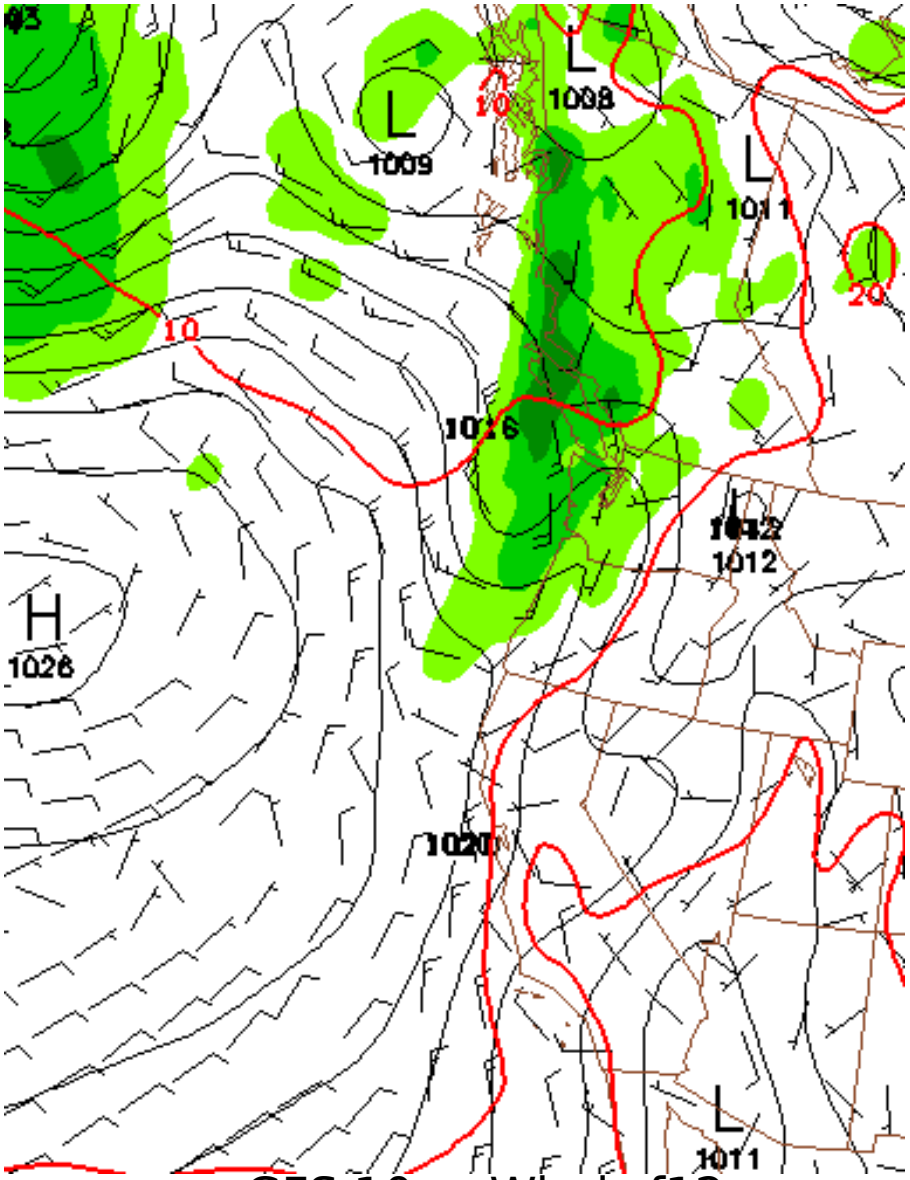
PBL Height


NRL COAMPS-OS® NAVAIR_West 6.0km
Valid Time: 18:00Z 20 JUN 2008 Forecast: 66:00
Base Time: 00:00Z 18 JUN 2008
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W126°W124°W122°W120°W118°W116°W114°W112°W
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
Planetary Boundary Layer Height
Shaded Planetary Boundary Layer Height (ft)

Saturday

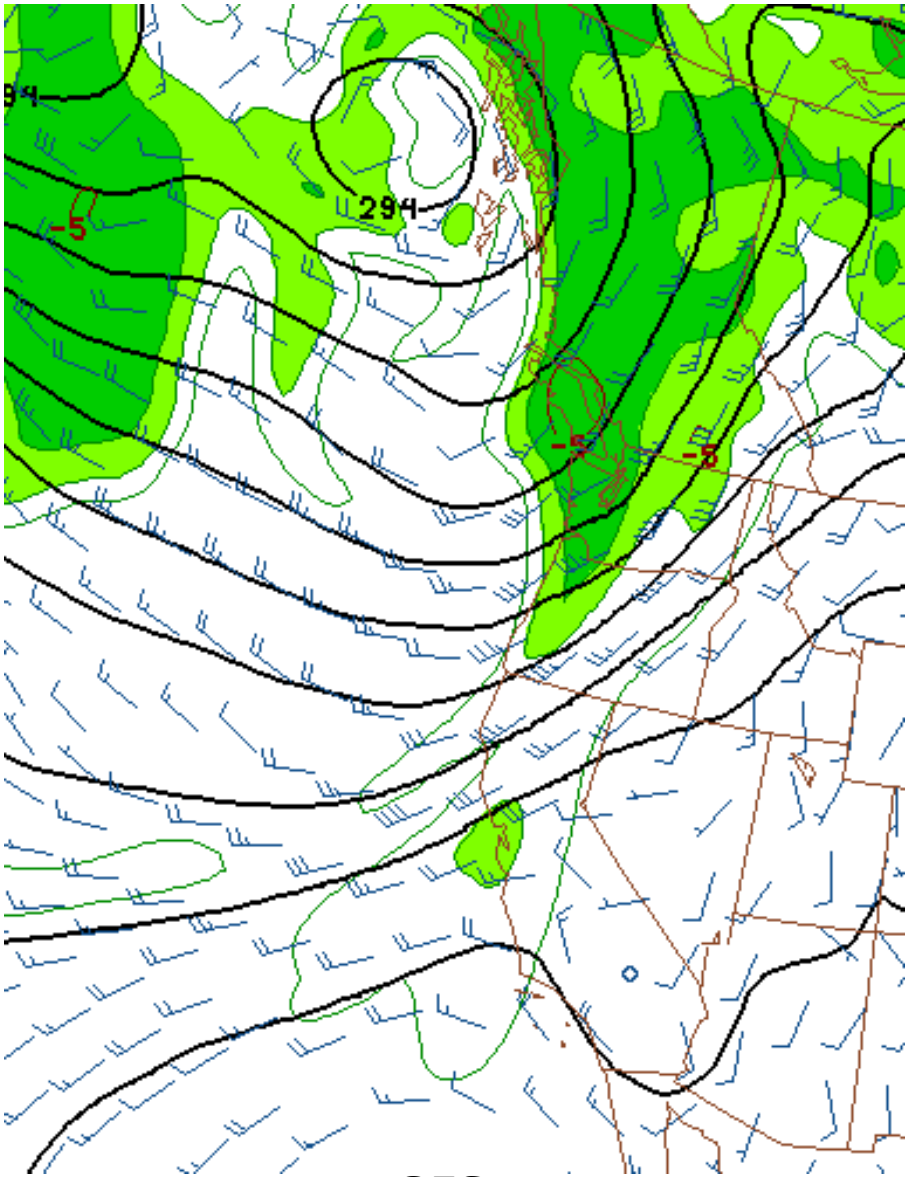
June 21th 2008

Surface Forecast 11am 6/21/08

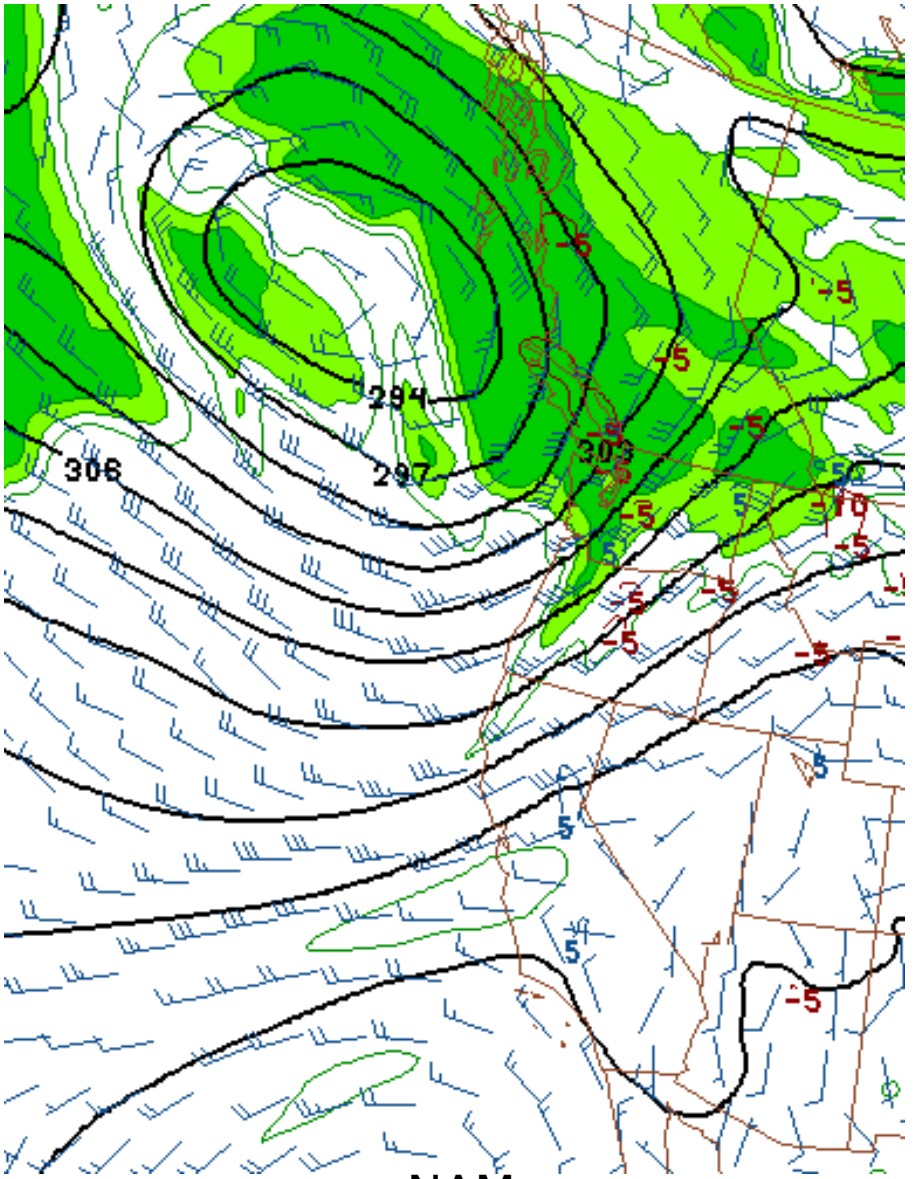


GFS 10 m Winds f12

700mb Forecast 11am 6/21/08

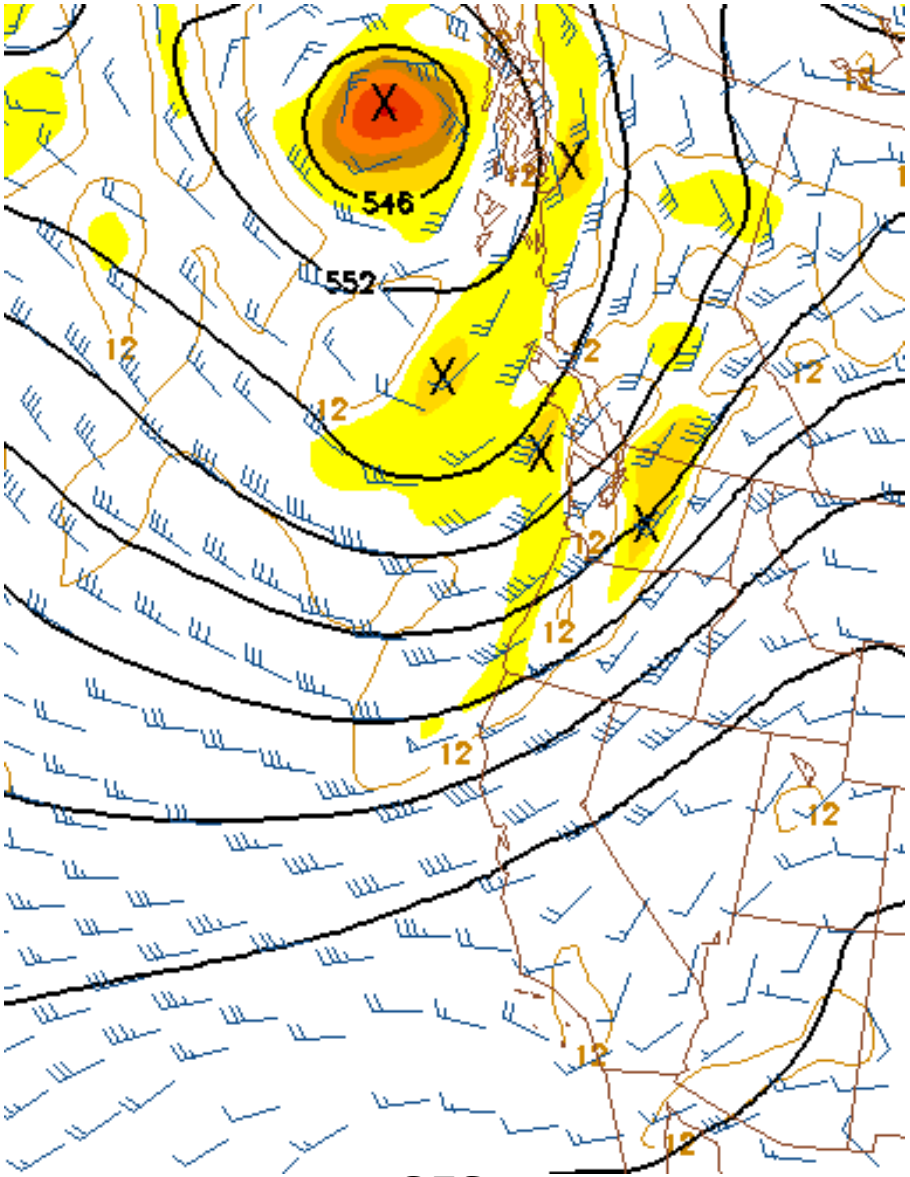


GFS

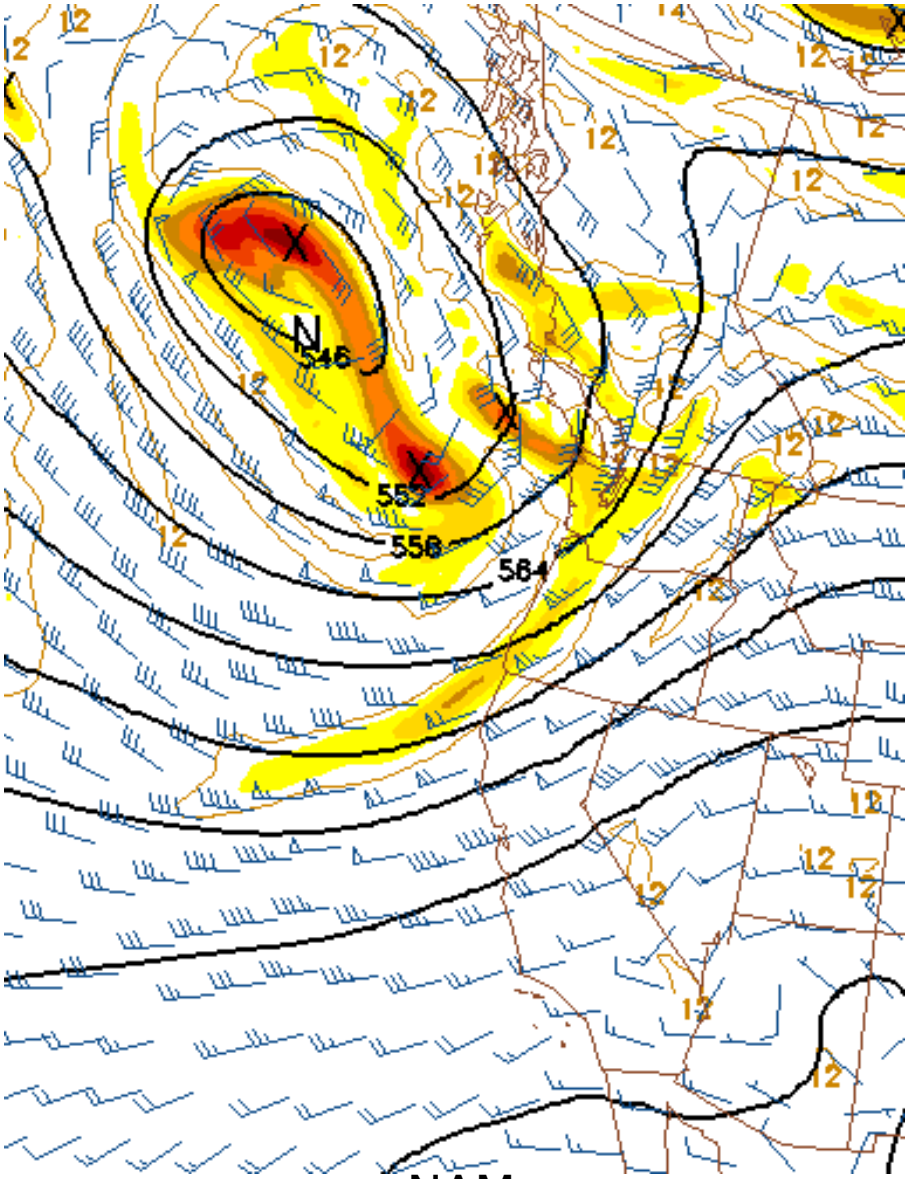


NAM

500mb Forecast 11am 6/21/08

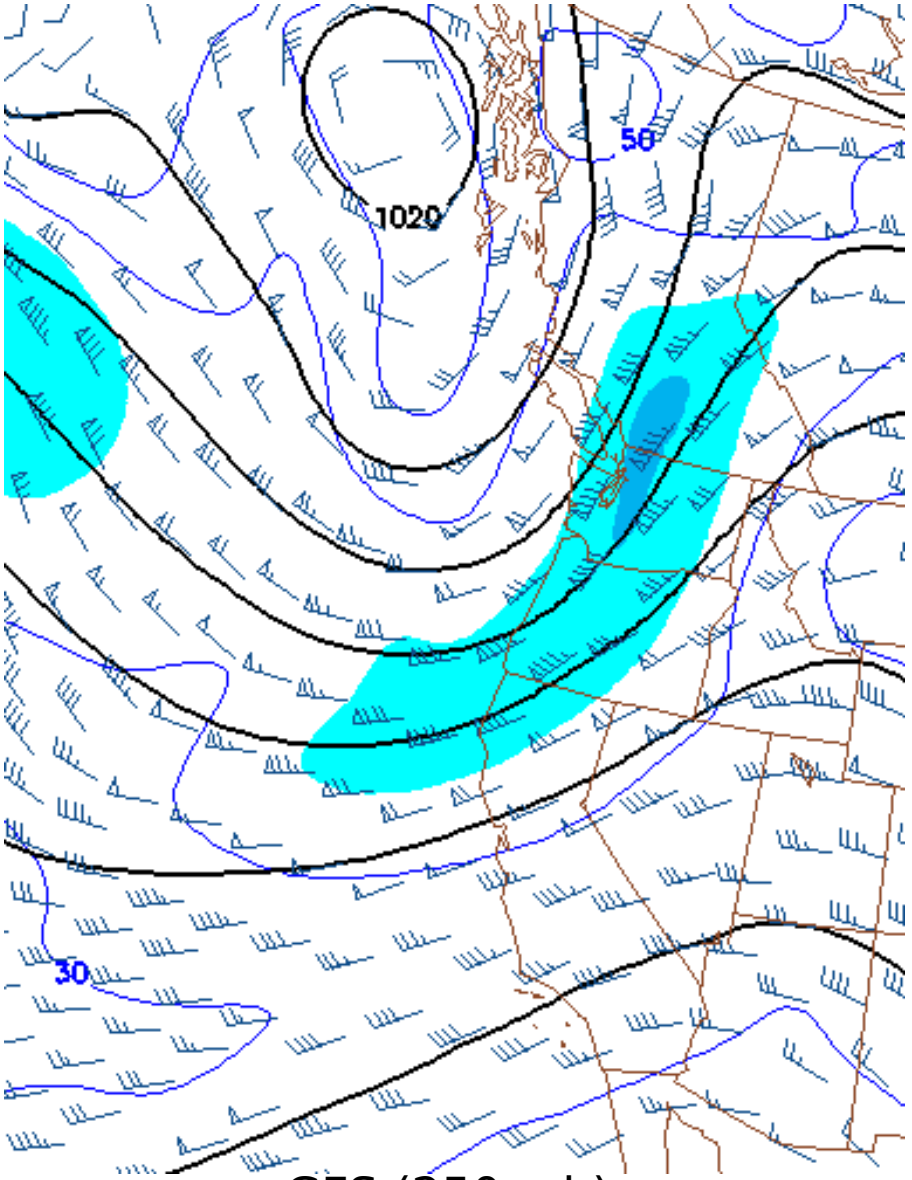


GFS

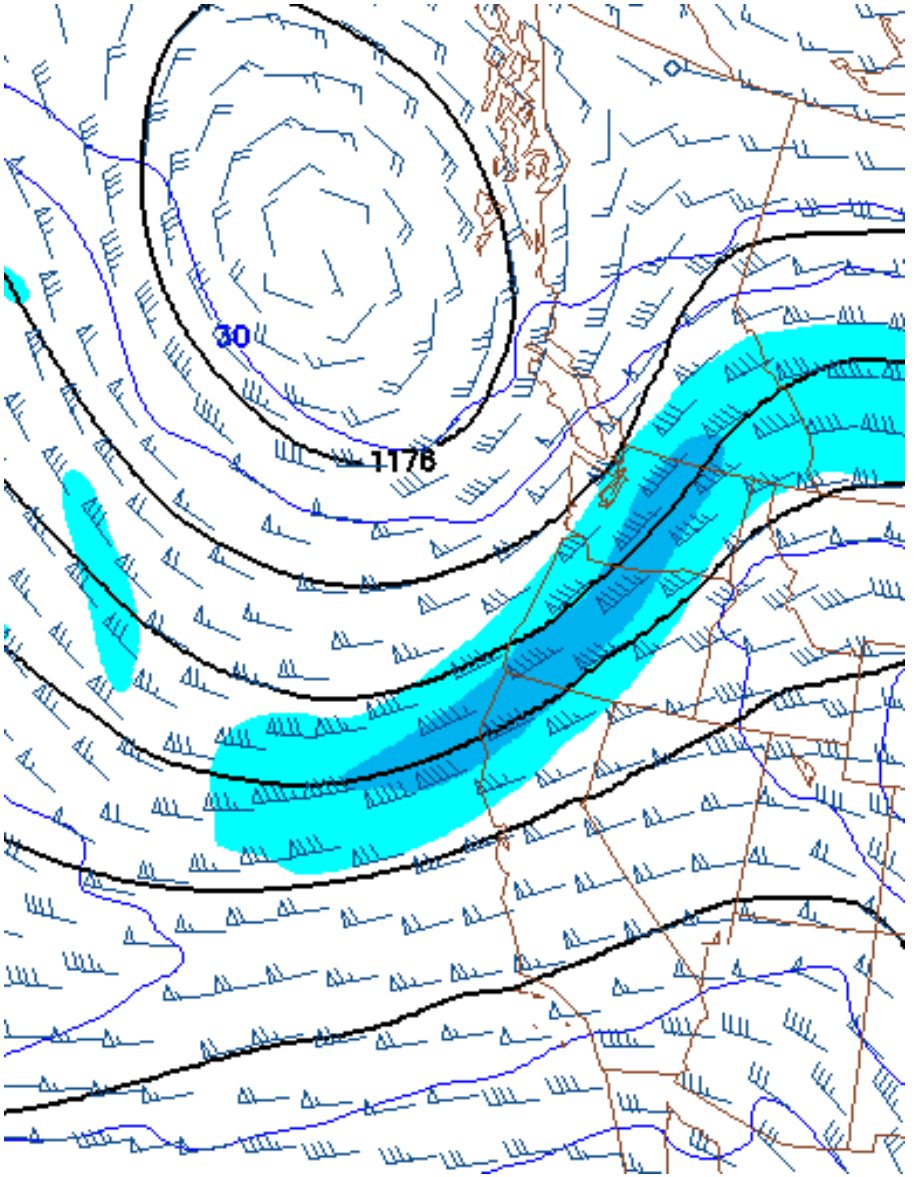


NAM

250/200mb Forecast 11am 6/21/08

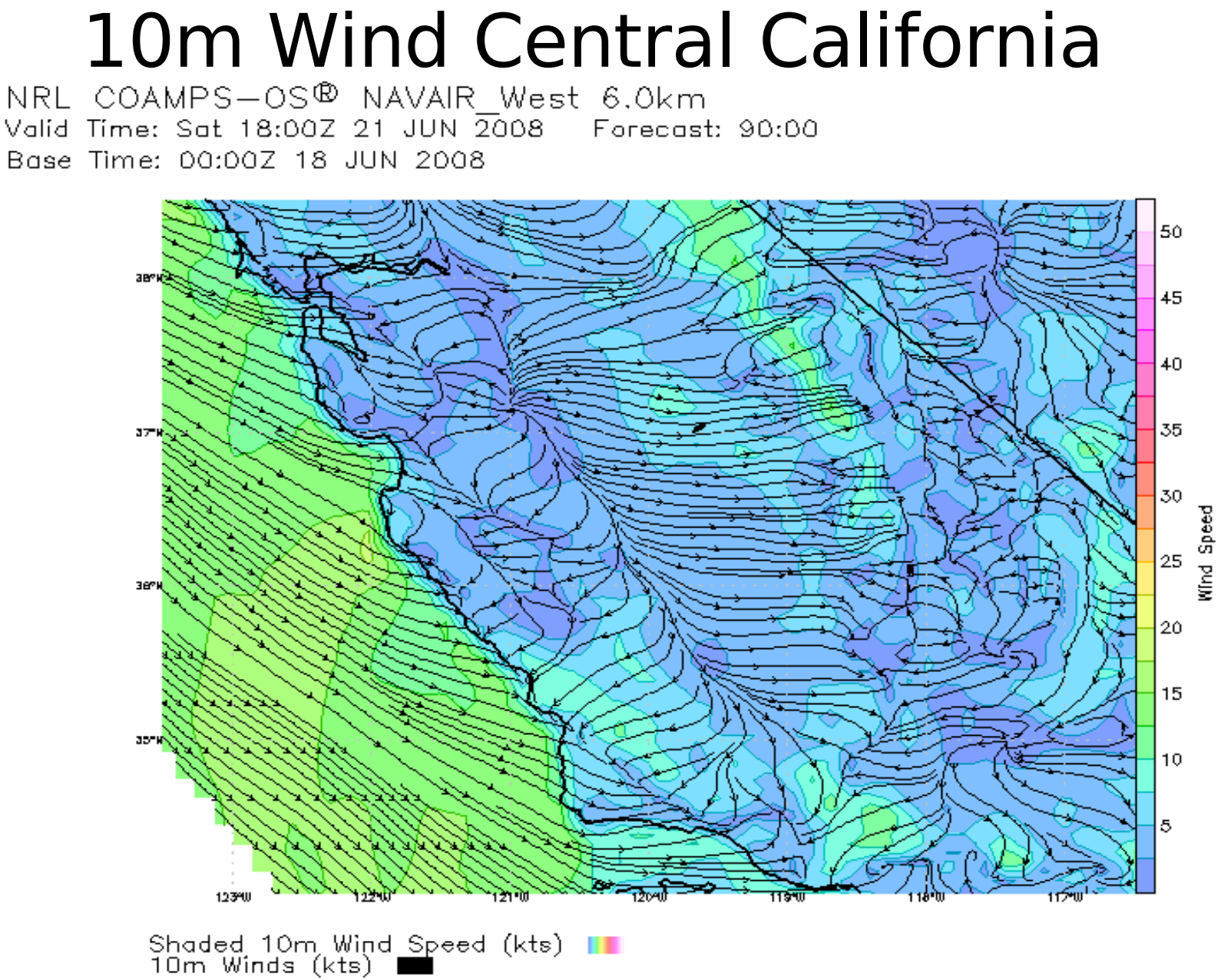


GFS (250 mb)

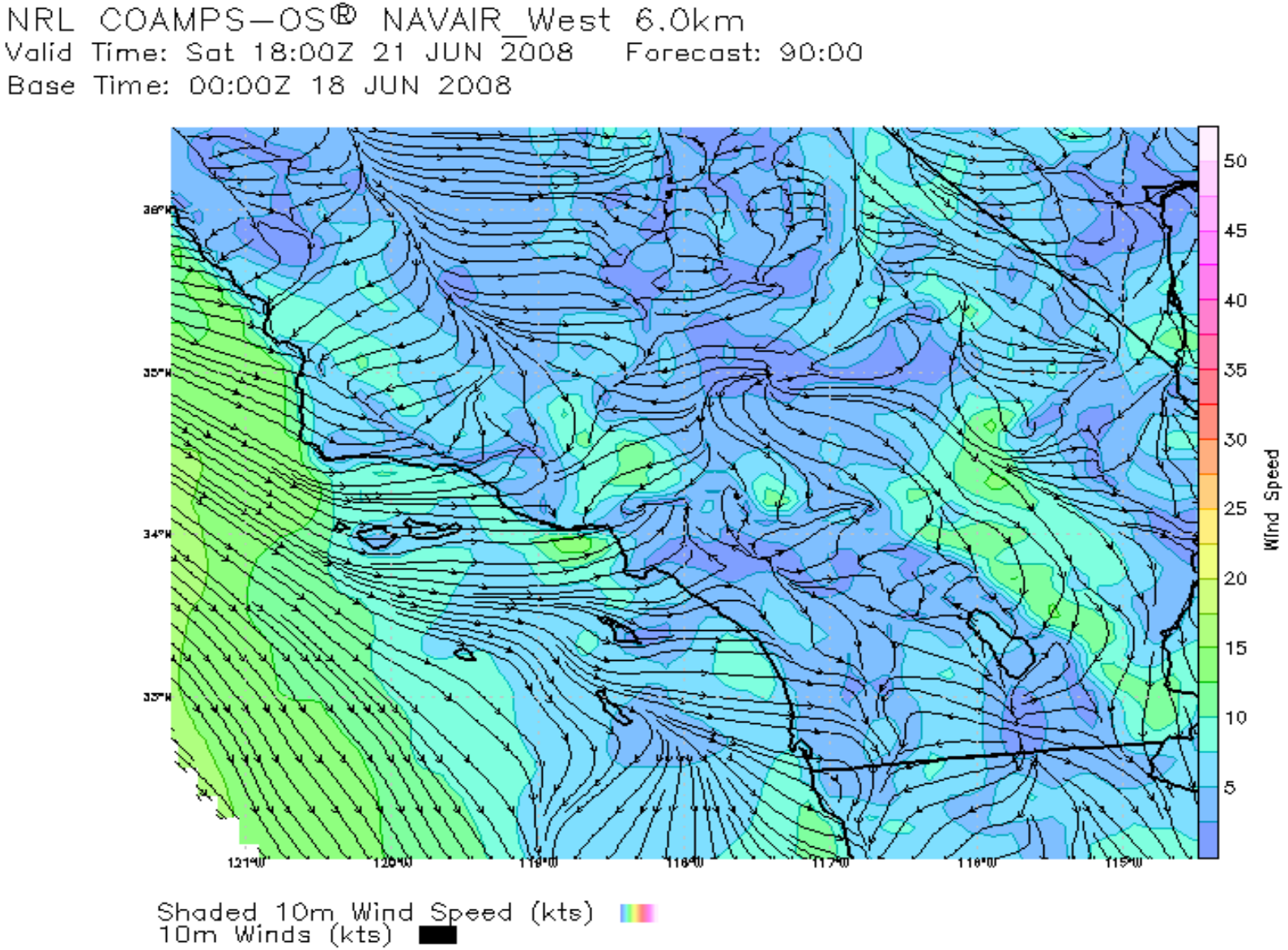


NAM (200 mb)

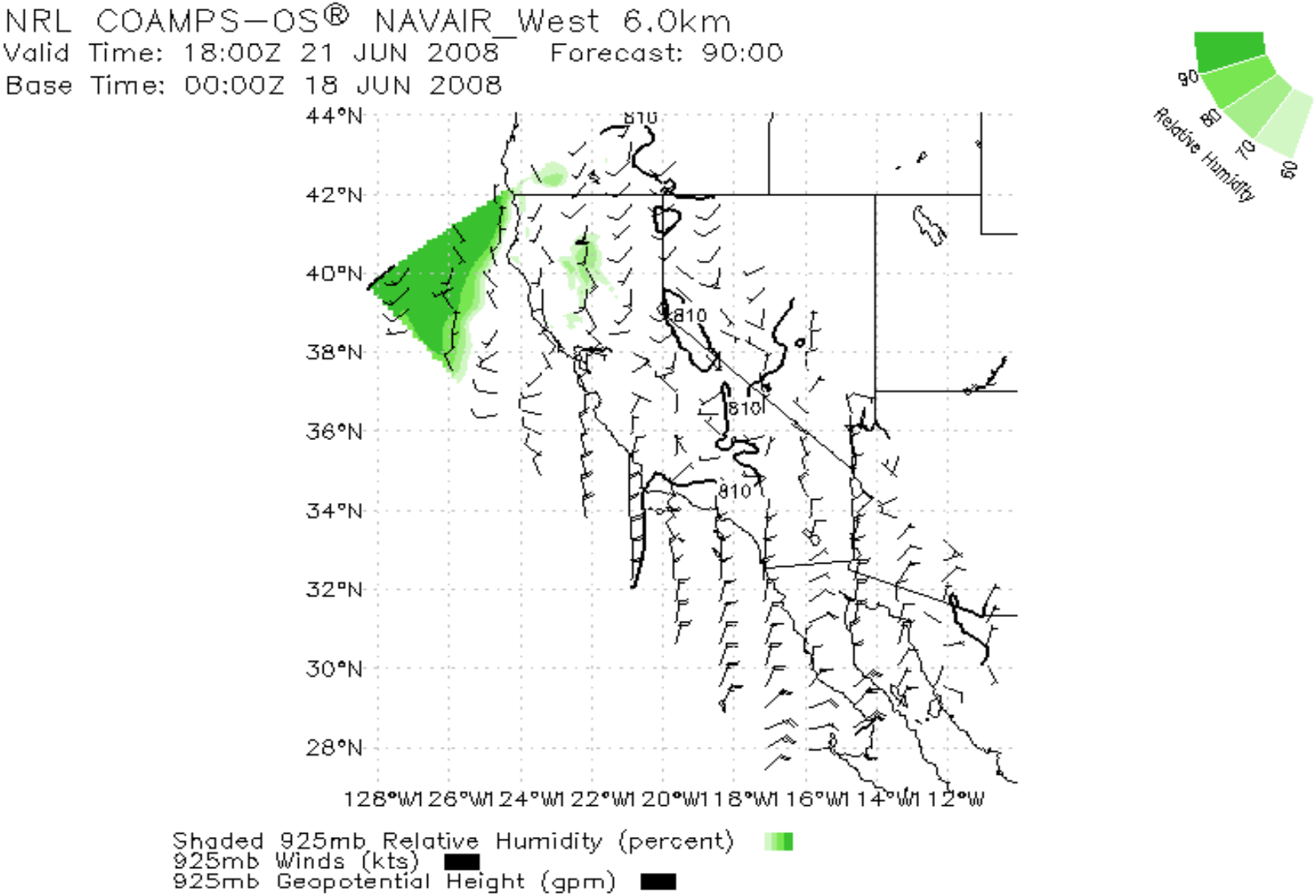
10m Wind Central California



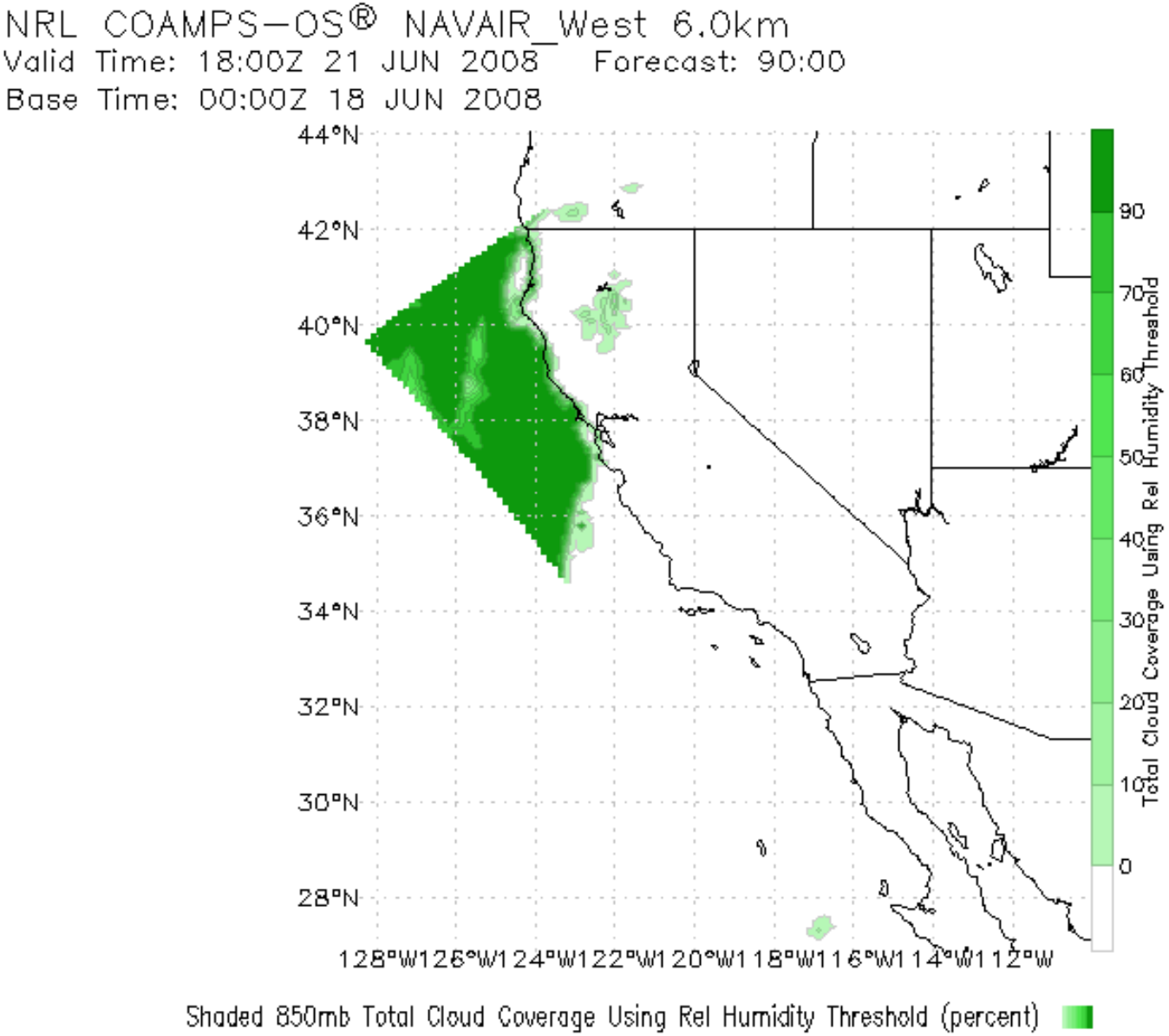
10m Wind Southern California



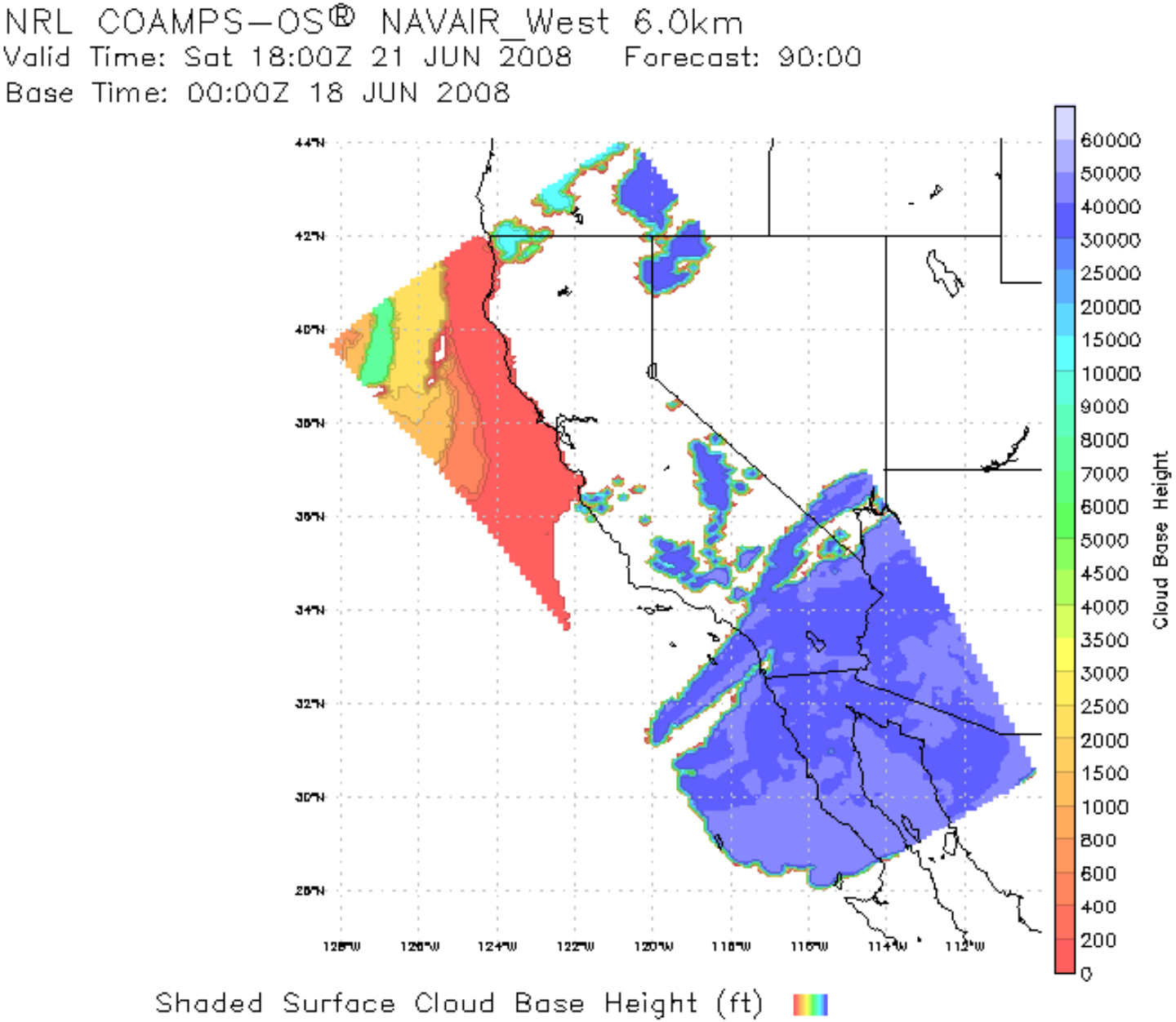
925 mb Winds, RH, GP Heights



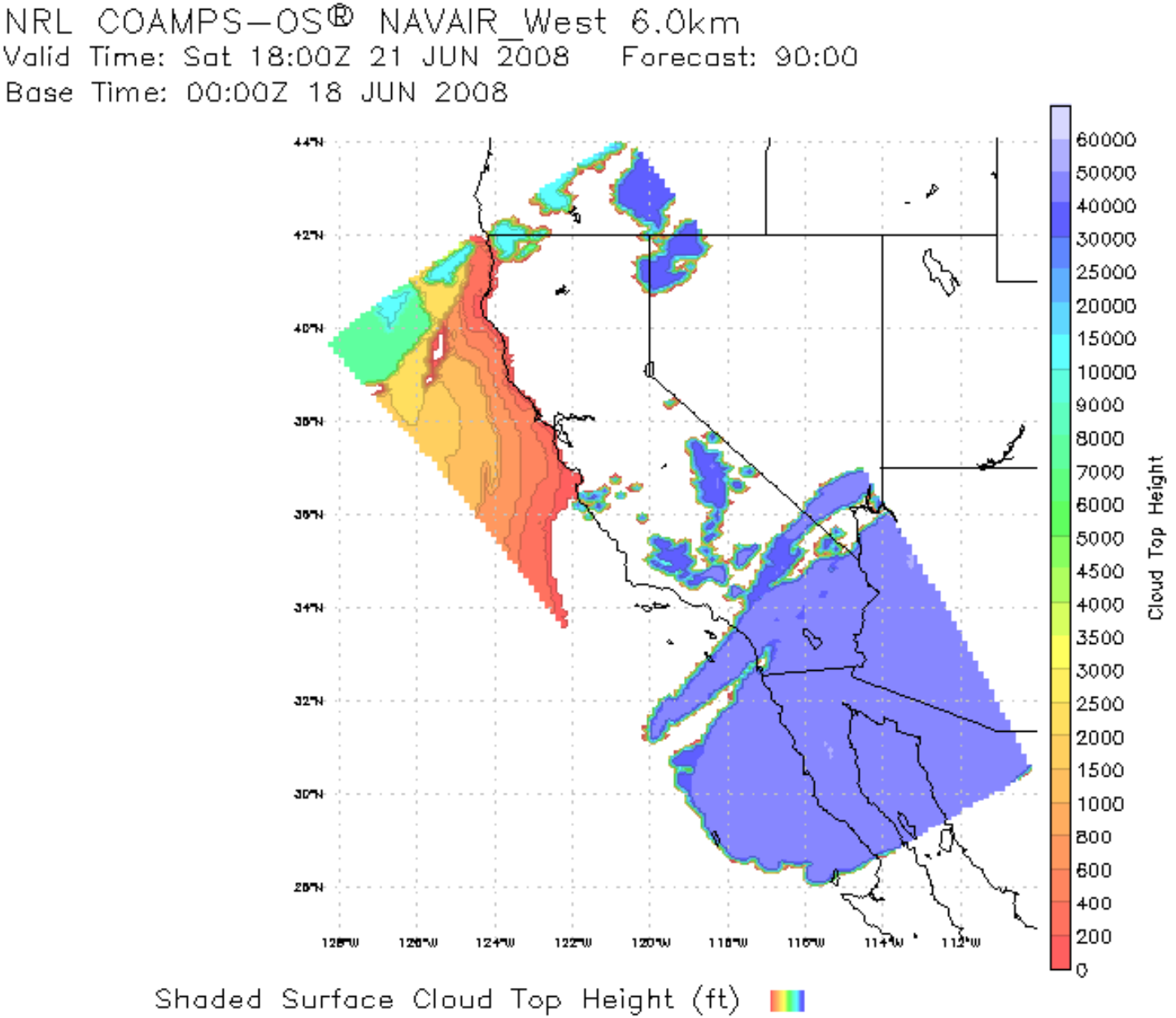
Low Cloud Amount %



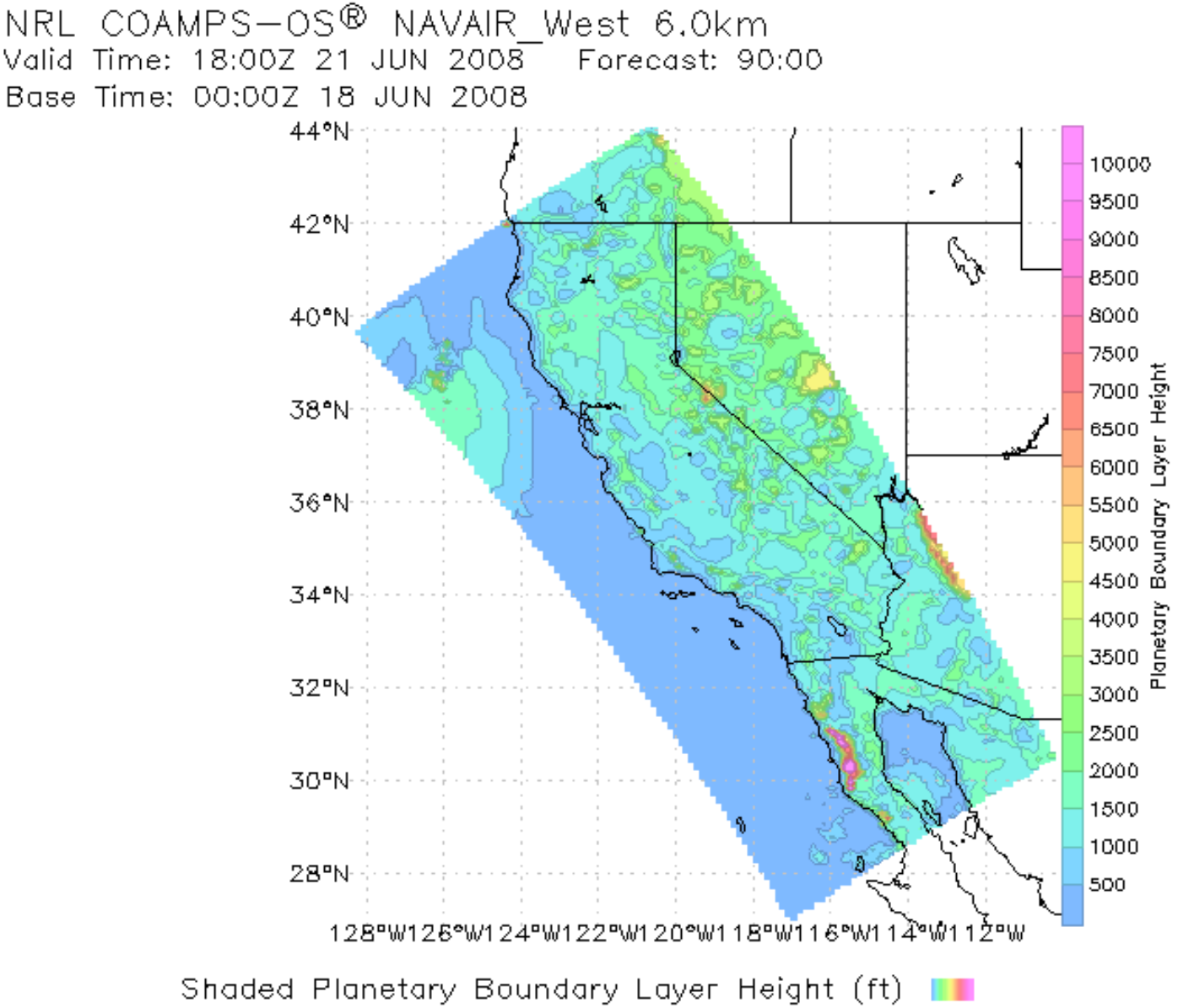
Cloud Base


NRL COAMPS—OS® NAVAIR_West 6.0km
Valid Time: Sat 18:00Z 21 JUN 2008 Forecast: 90:00
Base Time: 00:00Z 18 JUN 2008
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 Base Height
Shaded Surface Cloud Base Height (ft)

Cloud Top


NRL COAMPS—OS® NAVAIR_West 6.0km
Valid Time: Sat 18:00Z 21 JUN 2008 Forecast: 90:00
Base Time: 00:00Z 18 JUN 2008
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
Shaded Surface Cloud Top Height (ft)

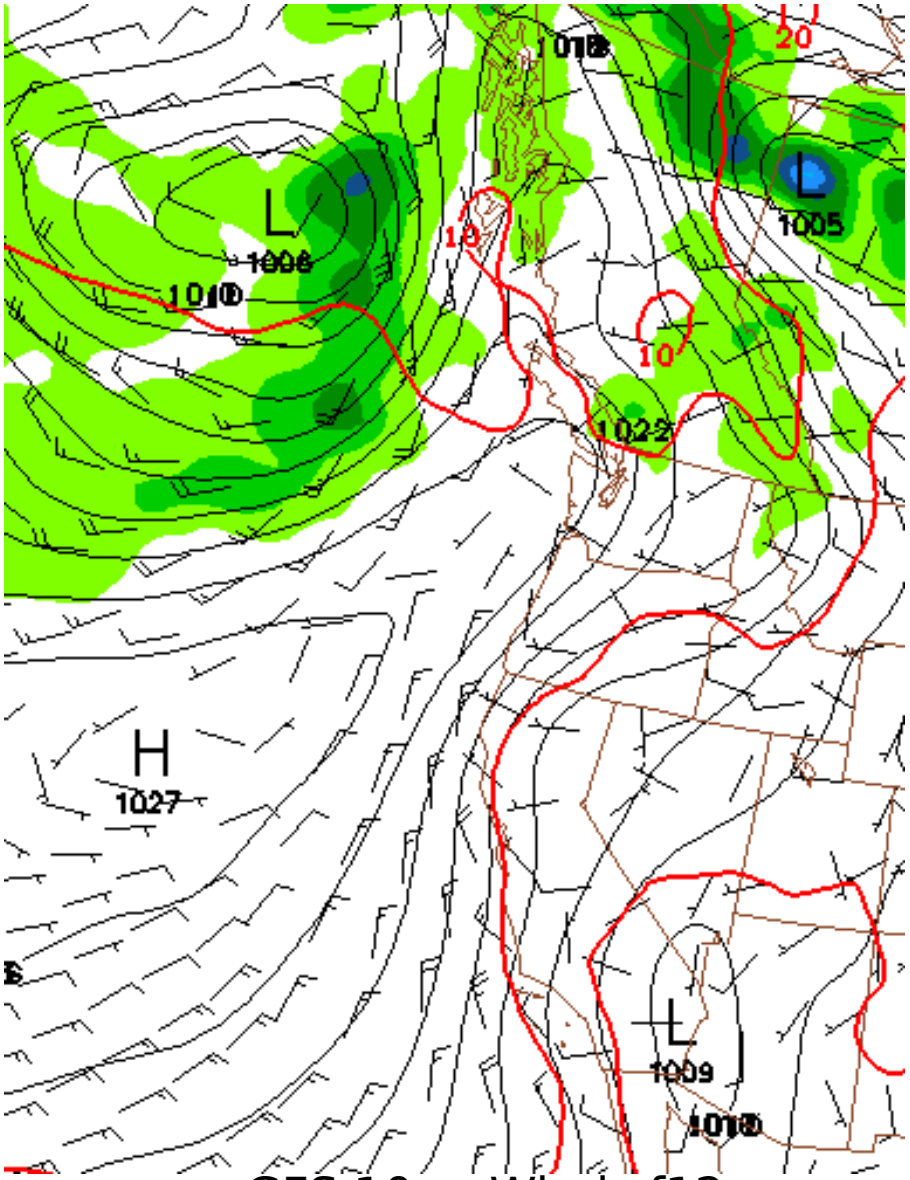
PBL Height


NRL COAMPS-OS® NAVAIR_West 6.0km
Valid Time: 18:00Z 21 JUN 2008 Forecast: 90:00
Base Time: 00:00Z 18 JUN 2008
44°N
42°N
40°N
38°N
36°N
34°N
32°N
30°N
28°N
128°W126°W124°W122°W120°W118°W116°W114°W112°W
10000
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
Planetary Boundary Layer Height
Shaded Planetary Boundary Layer Height (ft)

Sunday

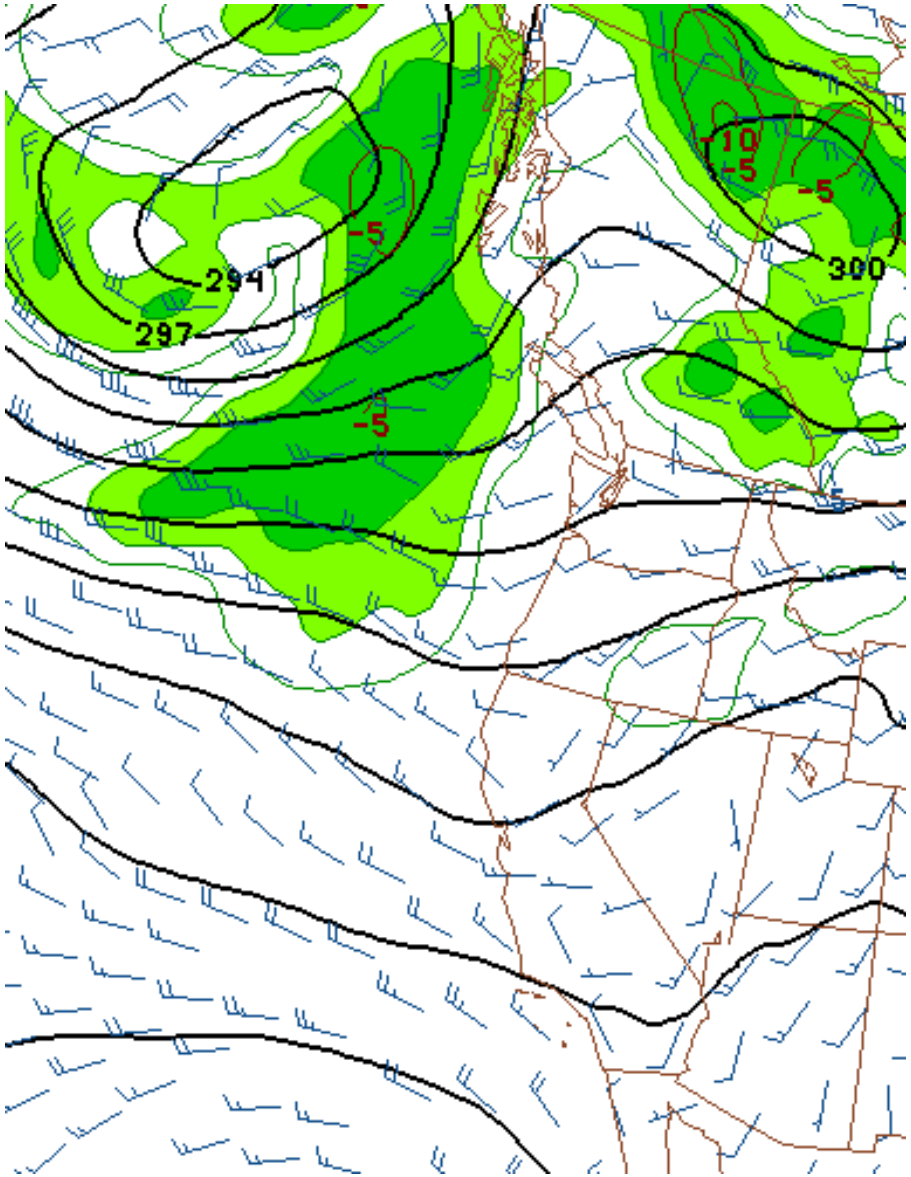
June 22th 2008

Surface Forecast 11am 6/22/08



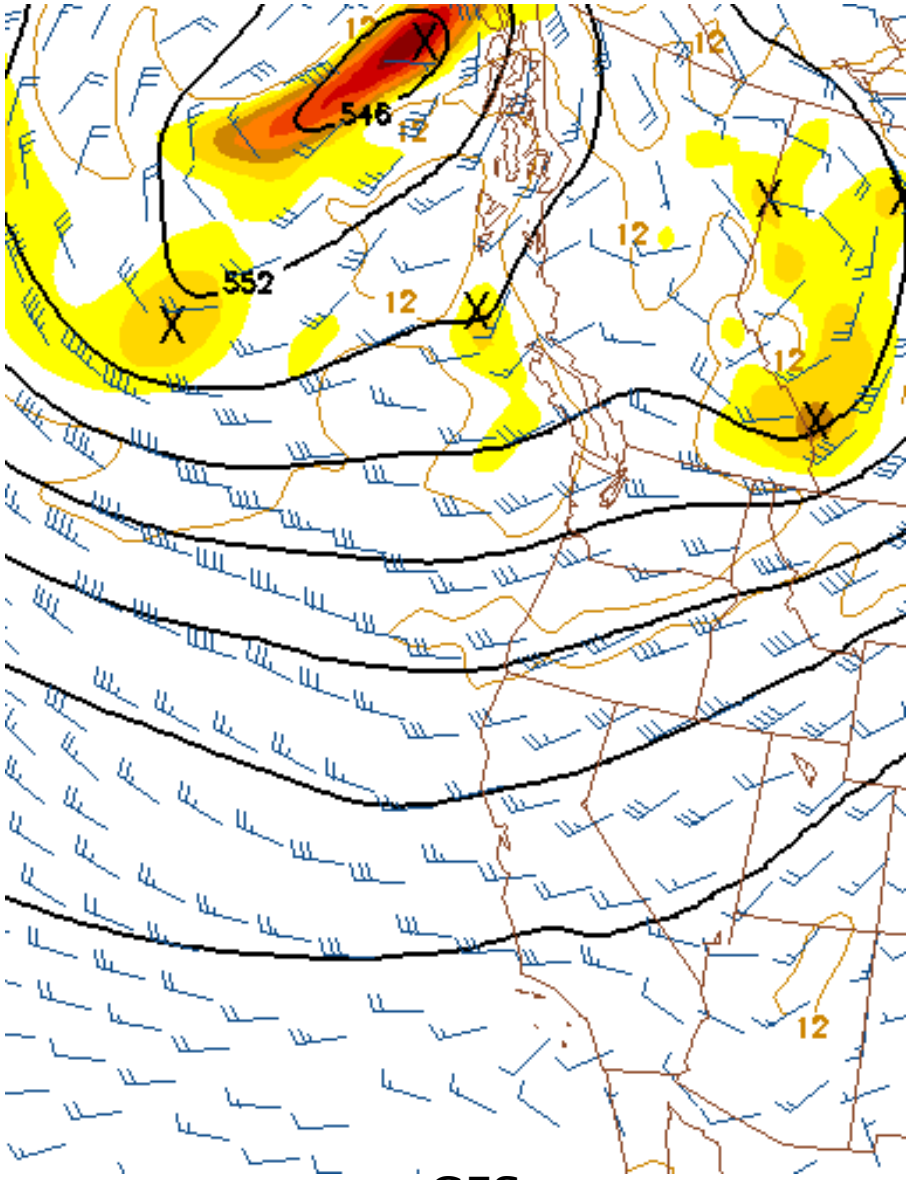
GFS 10 m Winds f12

700mb Forecast 11am 6/22/08



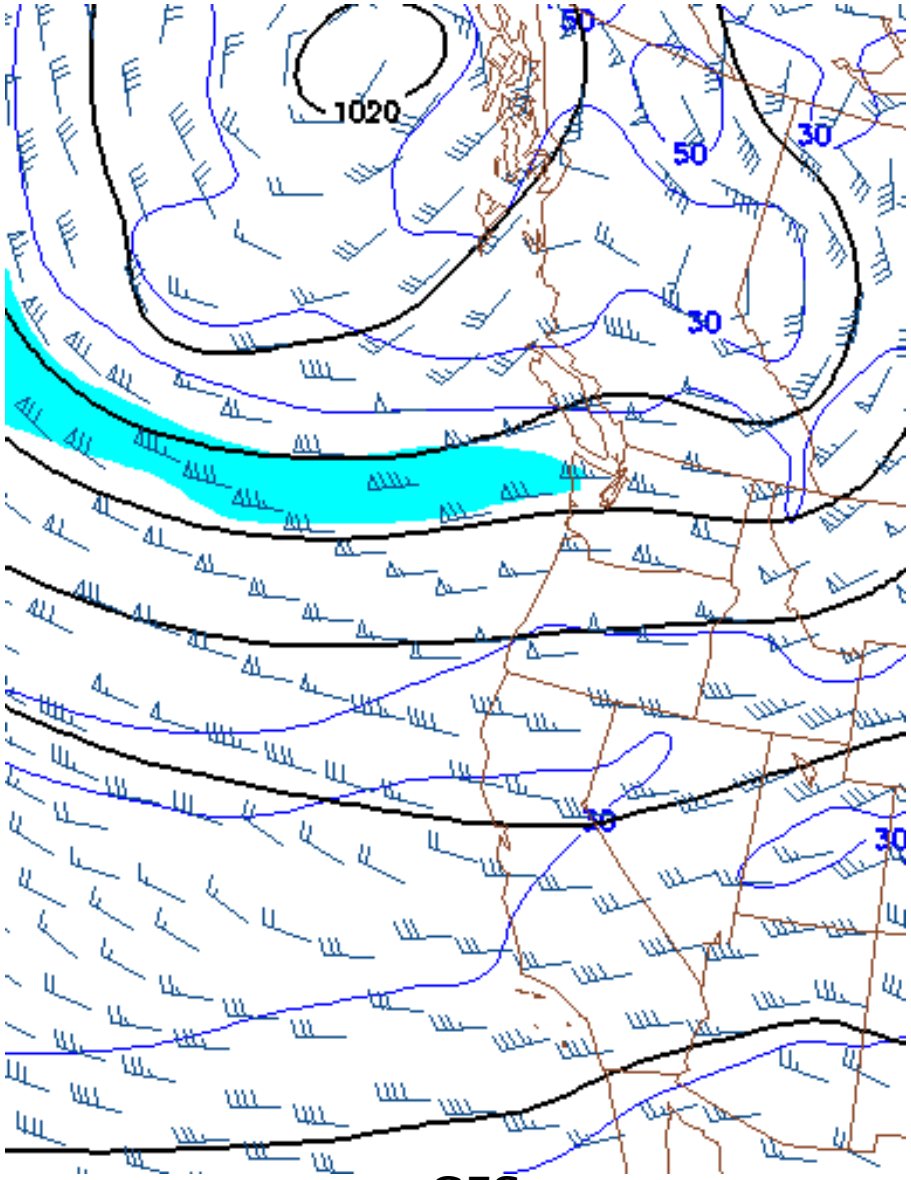
GFS

500mb Forecast 11am 6/22/08



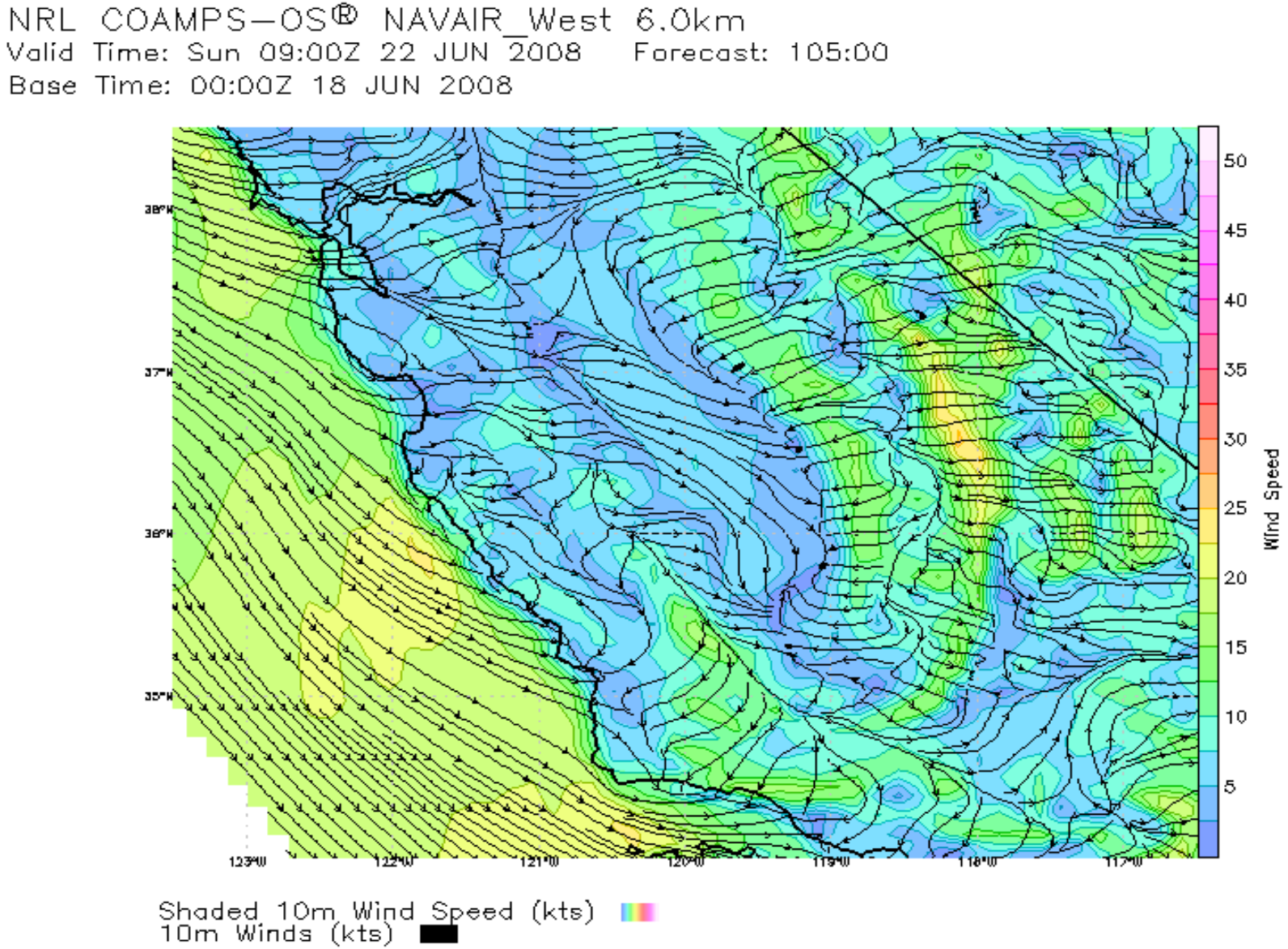
GFS

500mb Forecast 11am 6/22/08

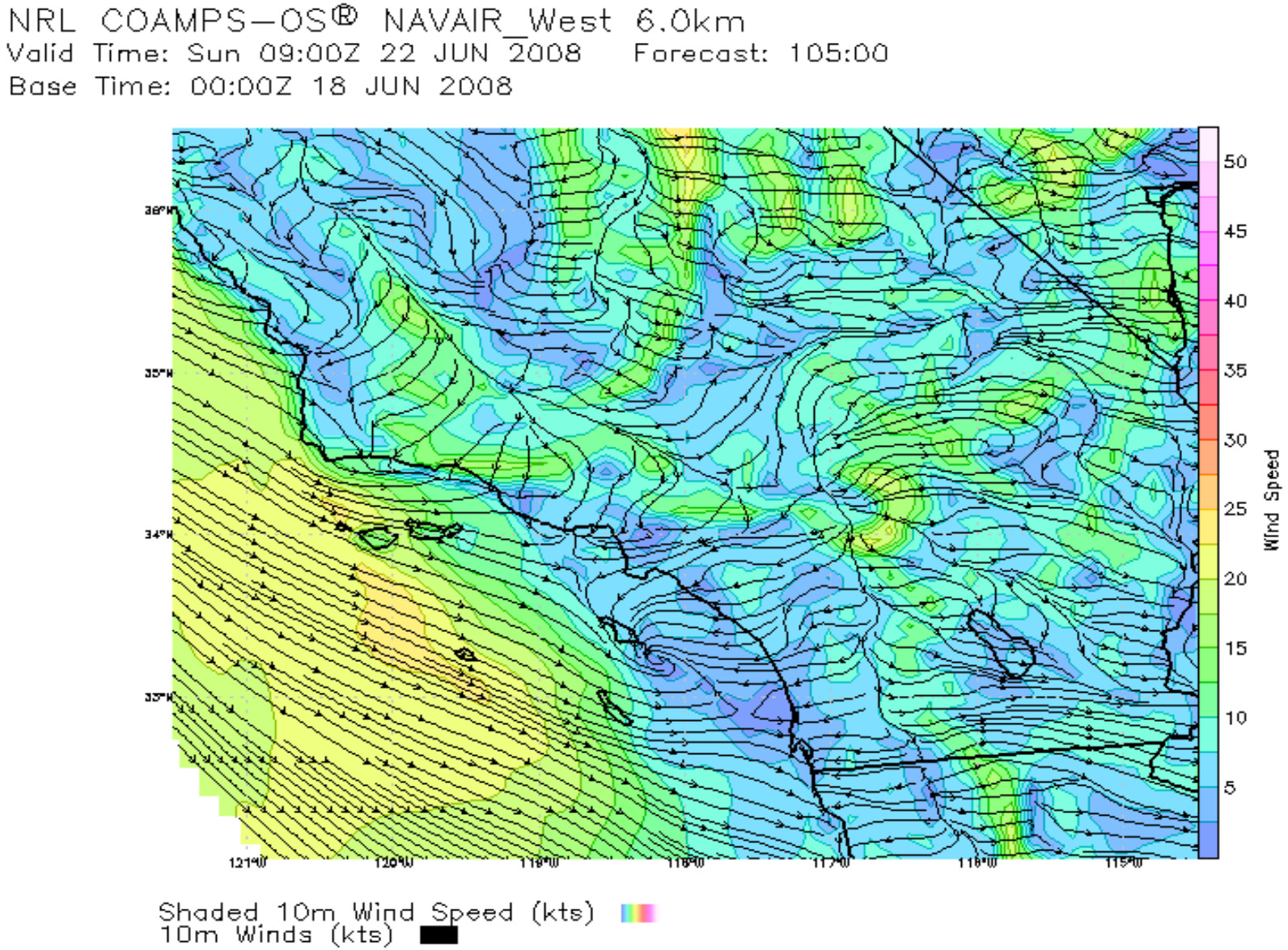


GFS

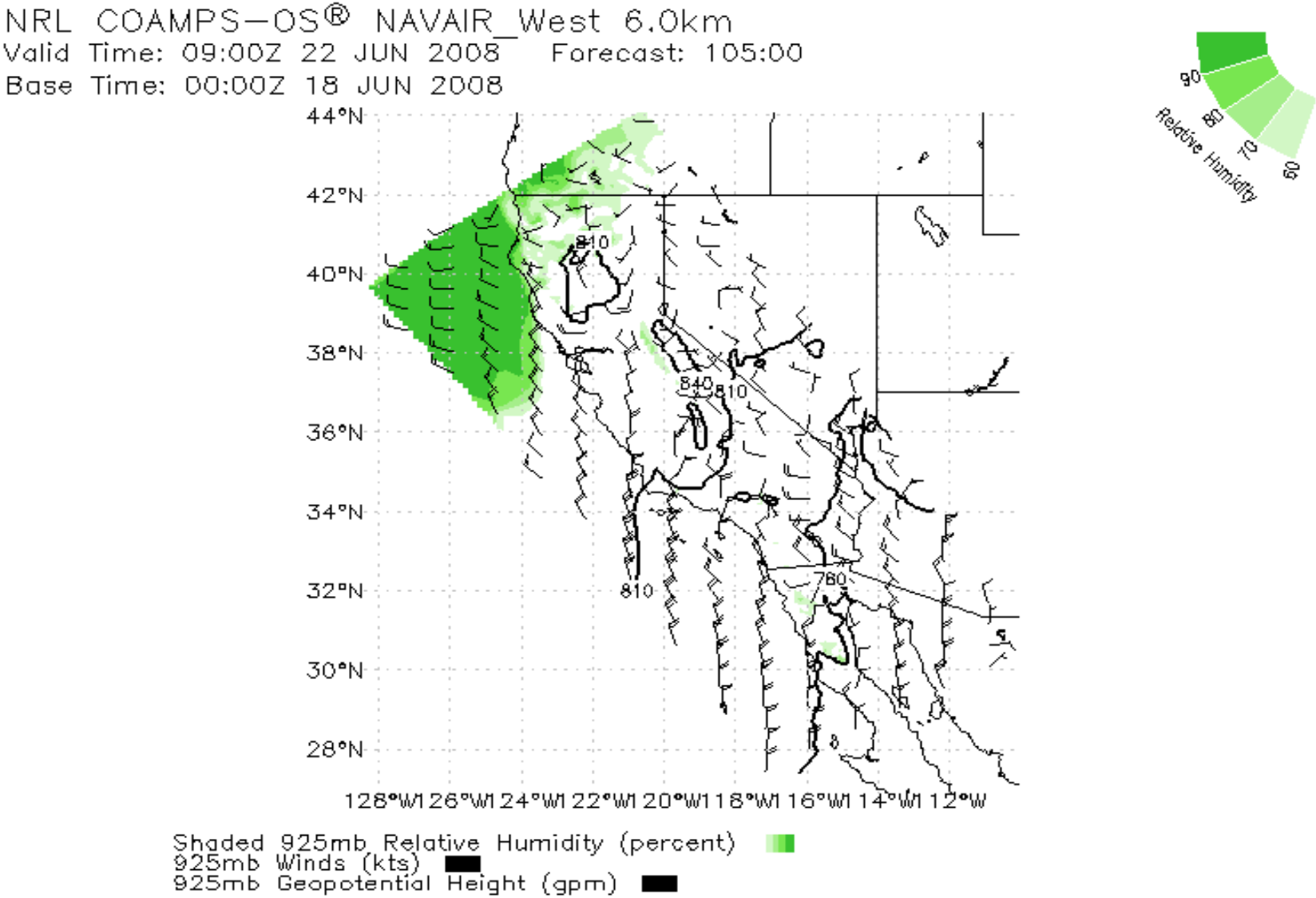
10m Wind Central California (0900Z)



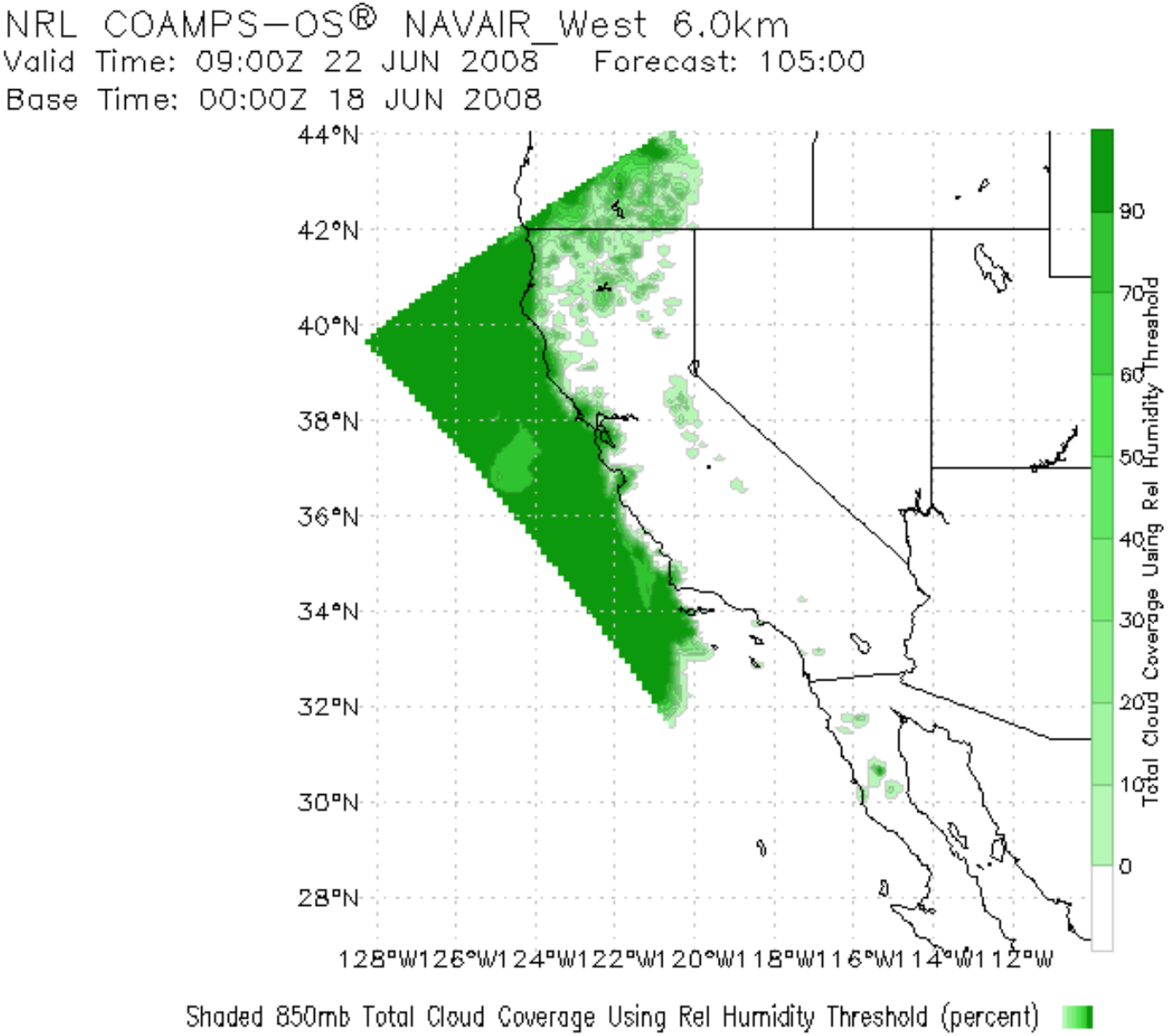
10m Wind Southern California (0900Z)



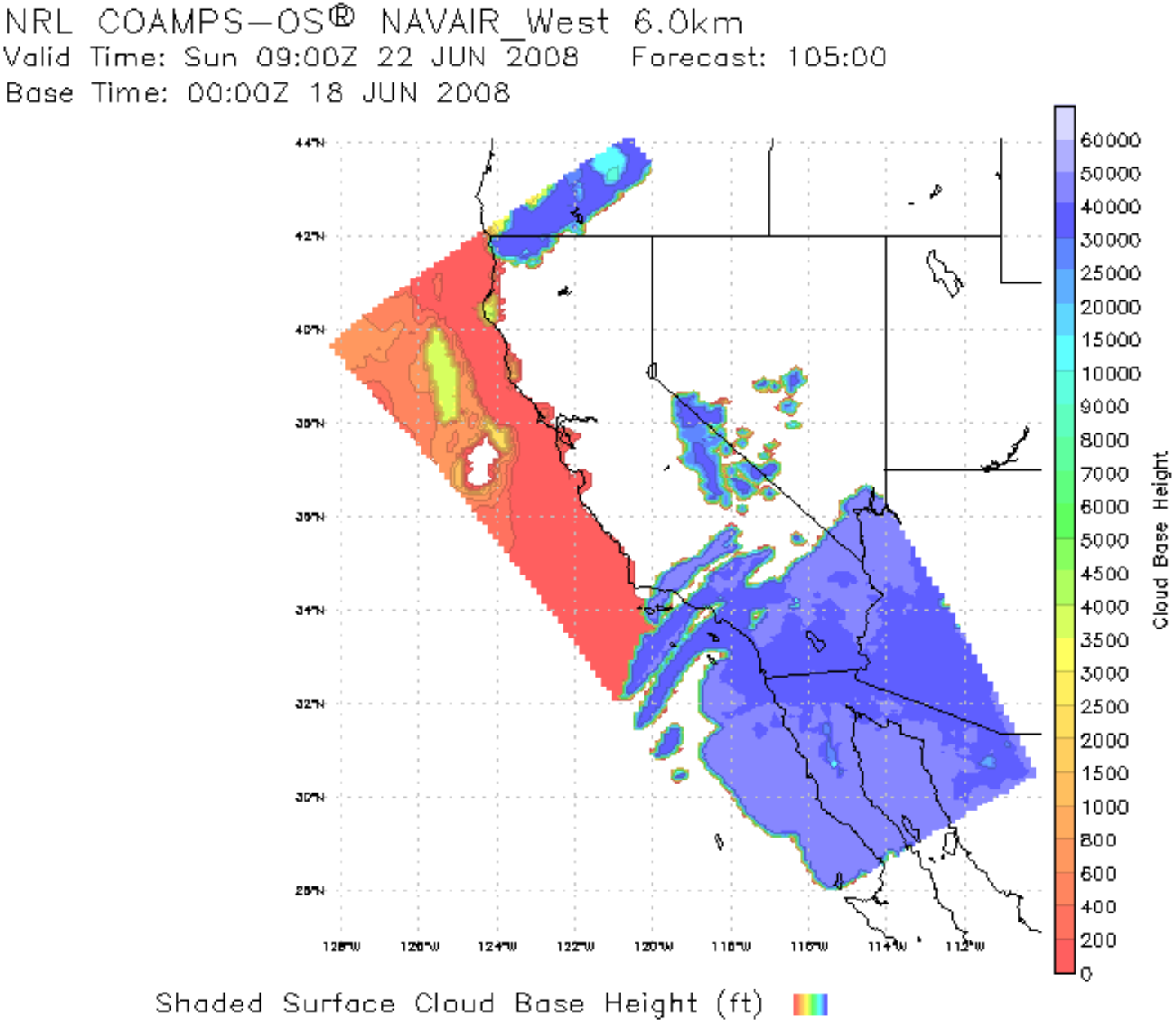
925 mb Winds, RH, GP Heights



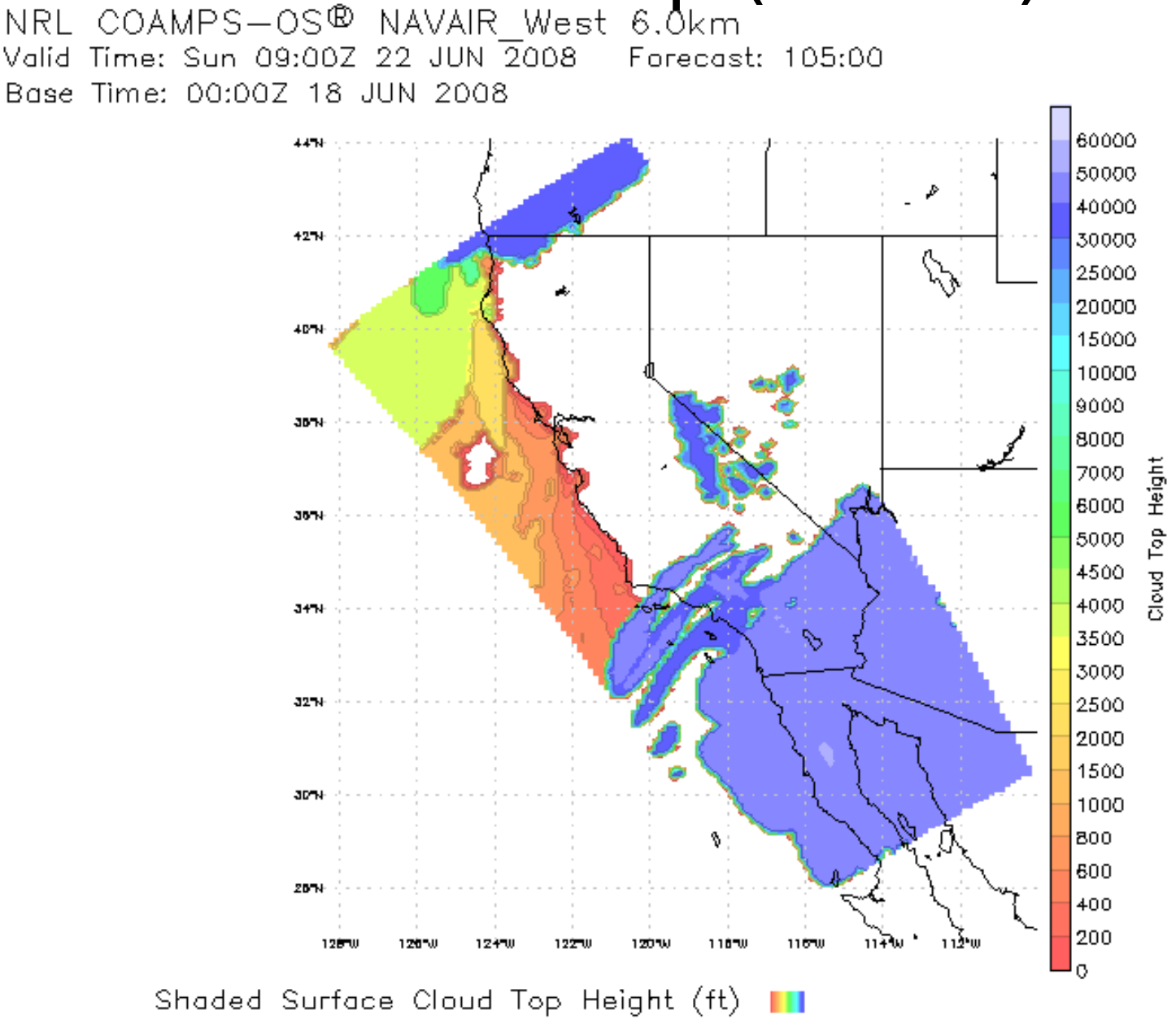
Low Cloud Amount % (0900Z)



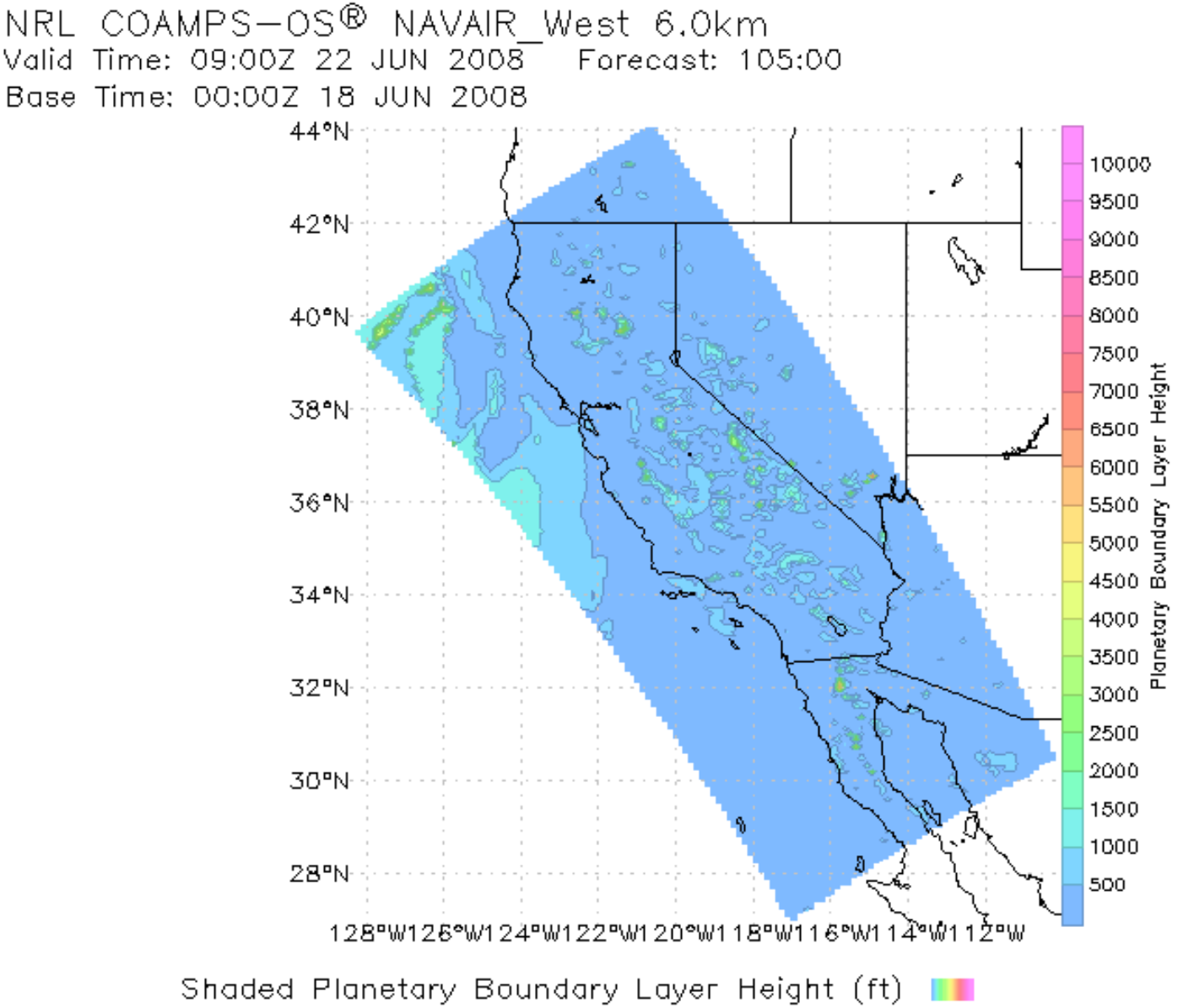
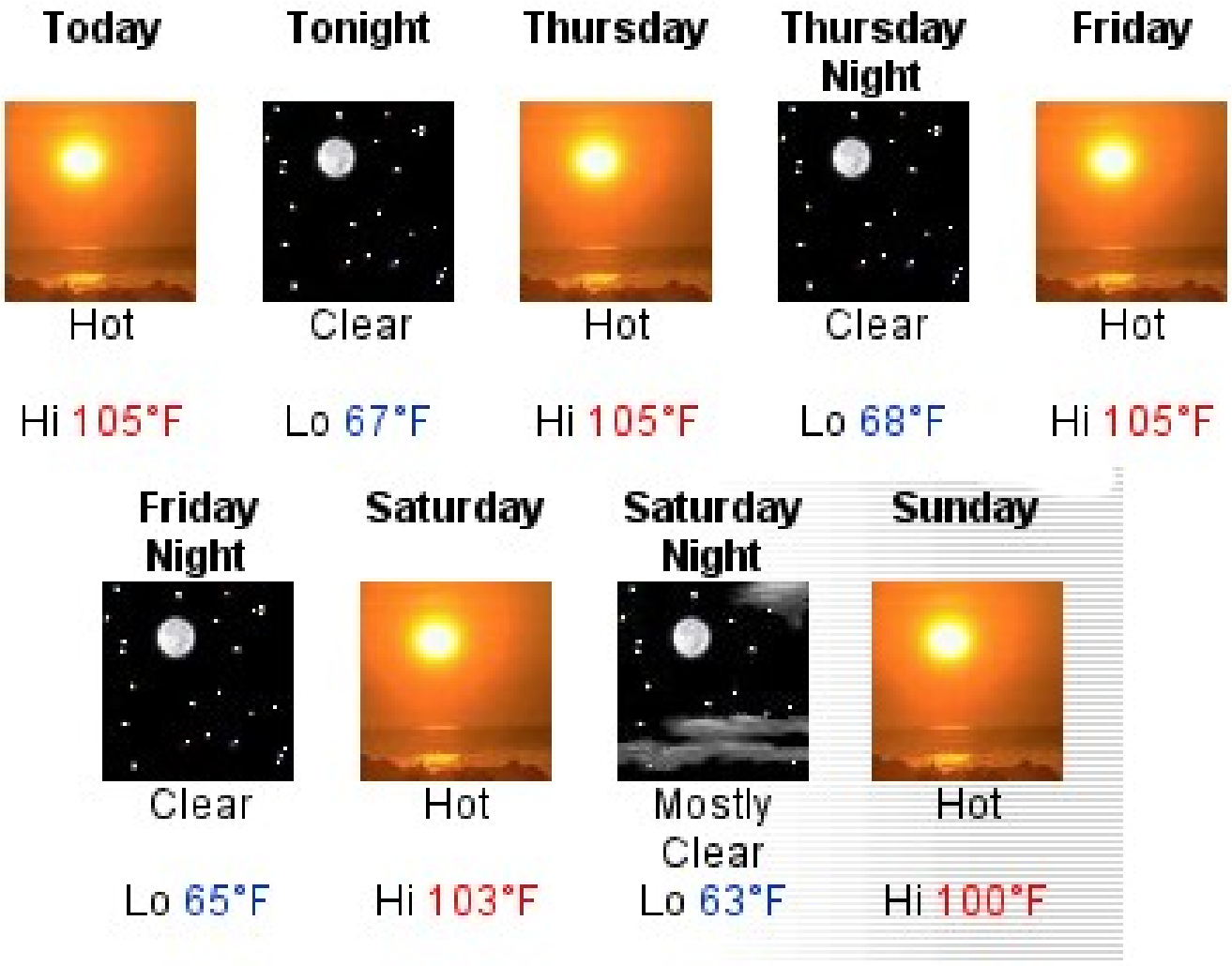
Cloud Base (0900Z)



Cloud Top (0900Z)



PBL Height (0900Z)



NWS Forecast