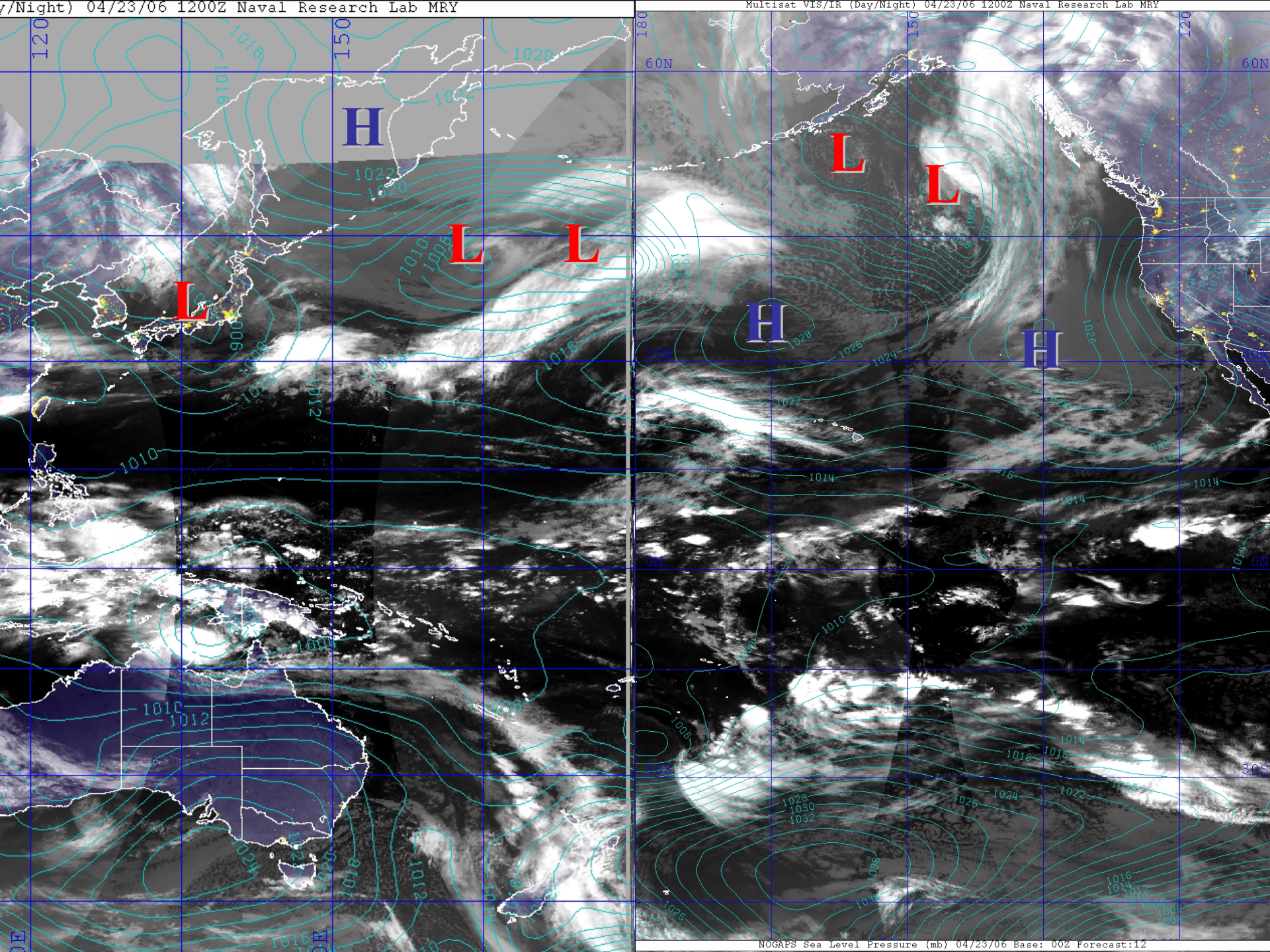
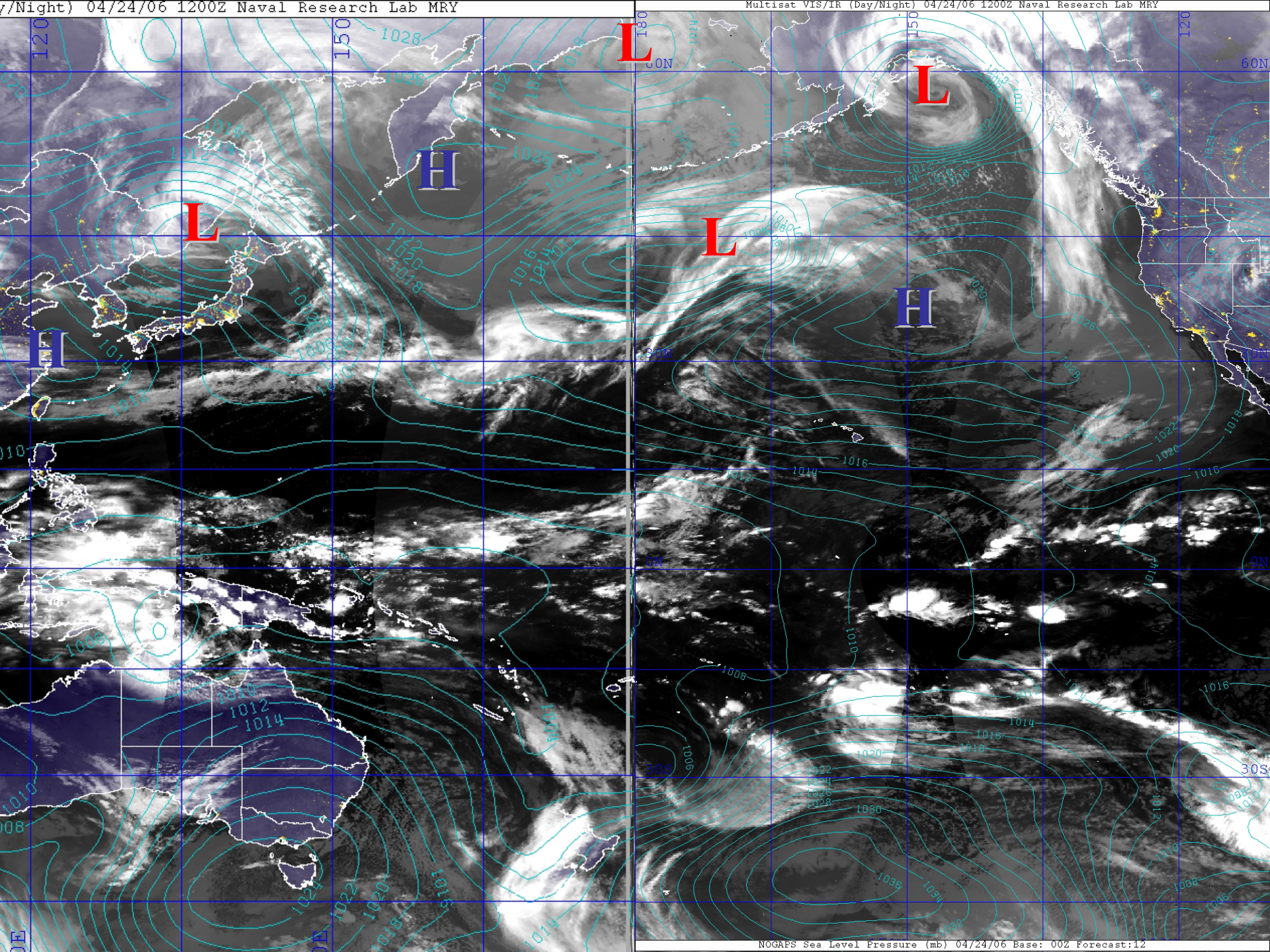
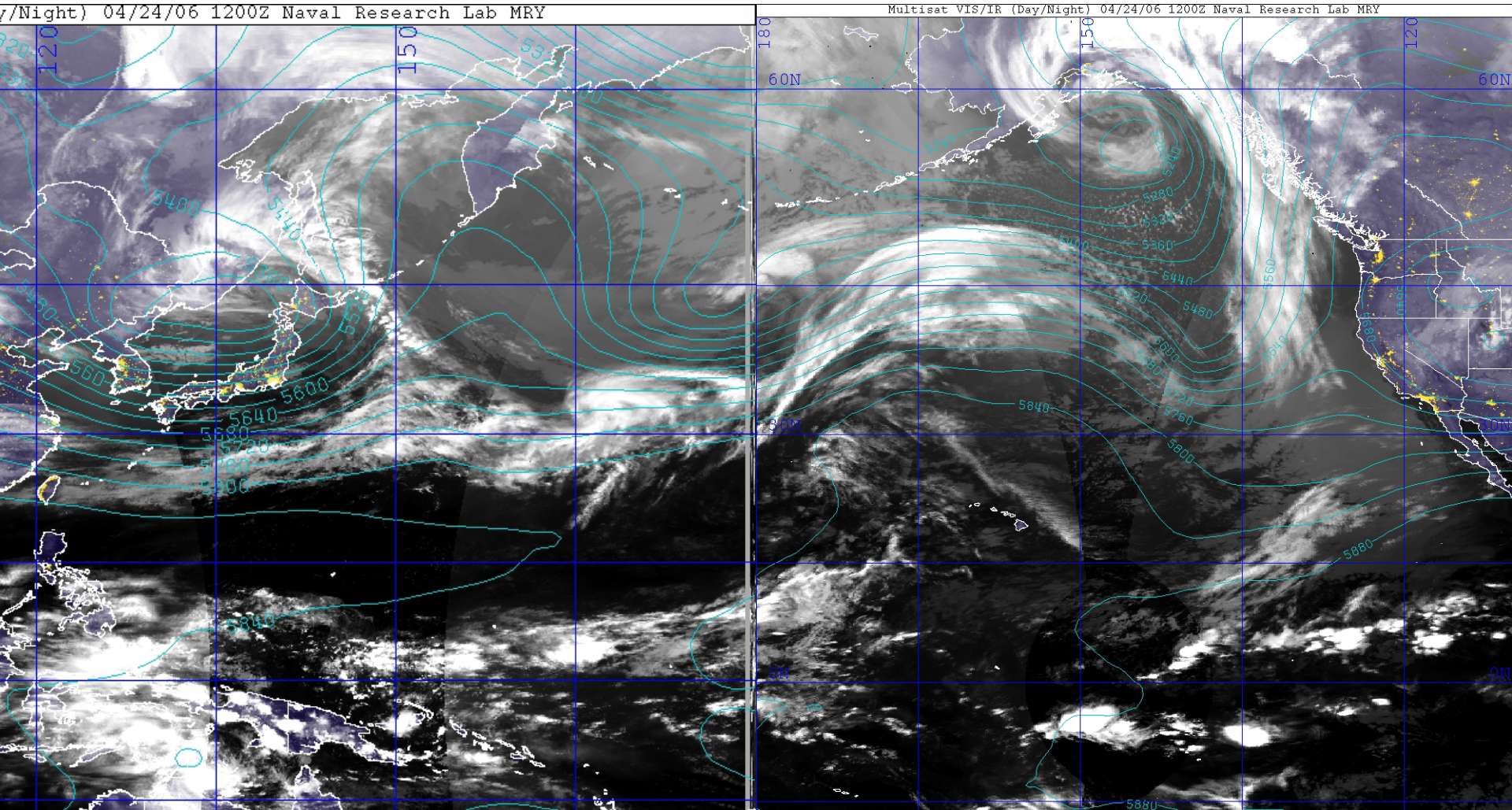
Seattle Weather Brief
Monday, 0424

Jennie Moody, UVA
Mike Porter, FSU

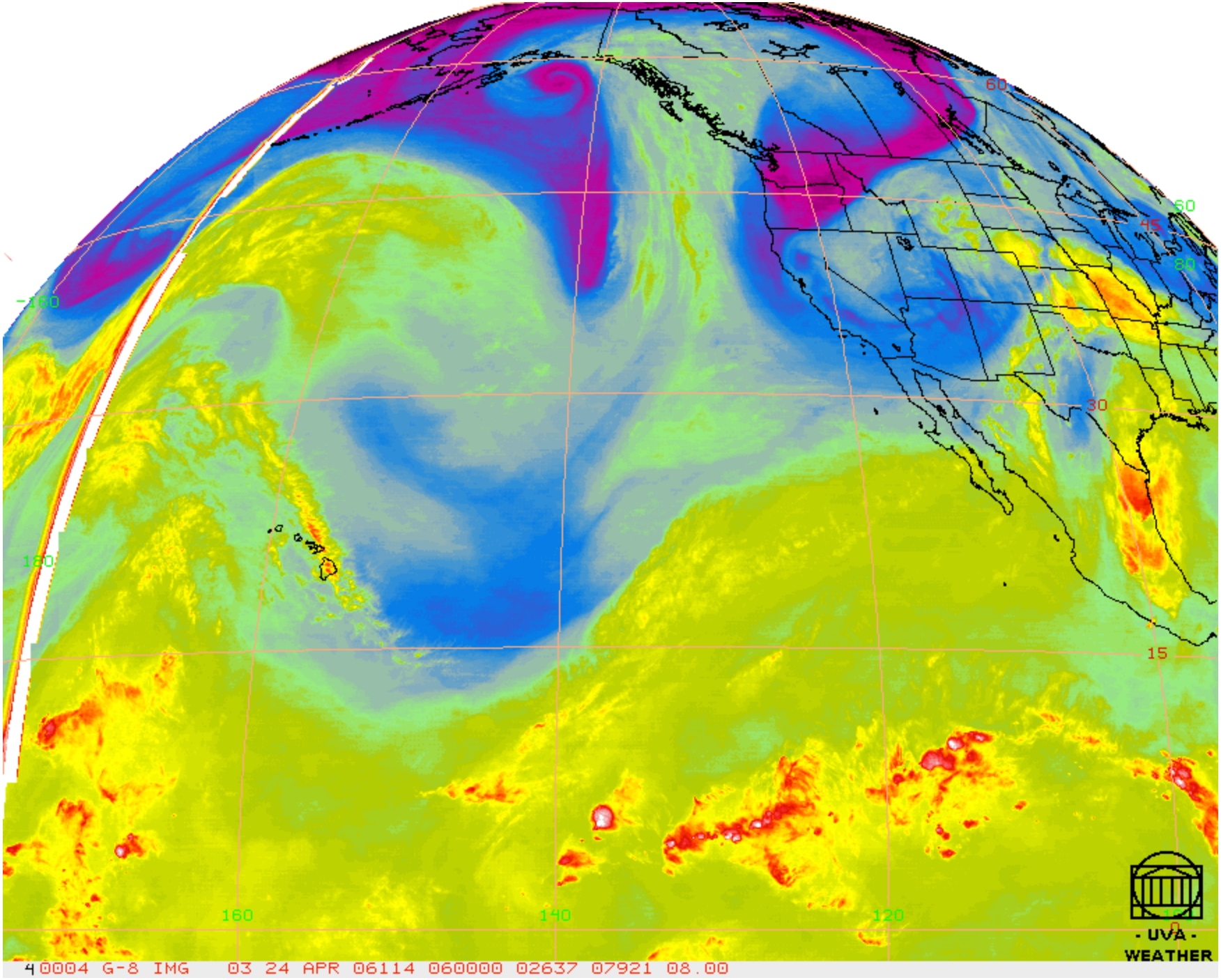
"Your eyes to the skies…
With their feet on the ground"

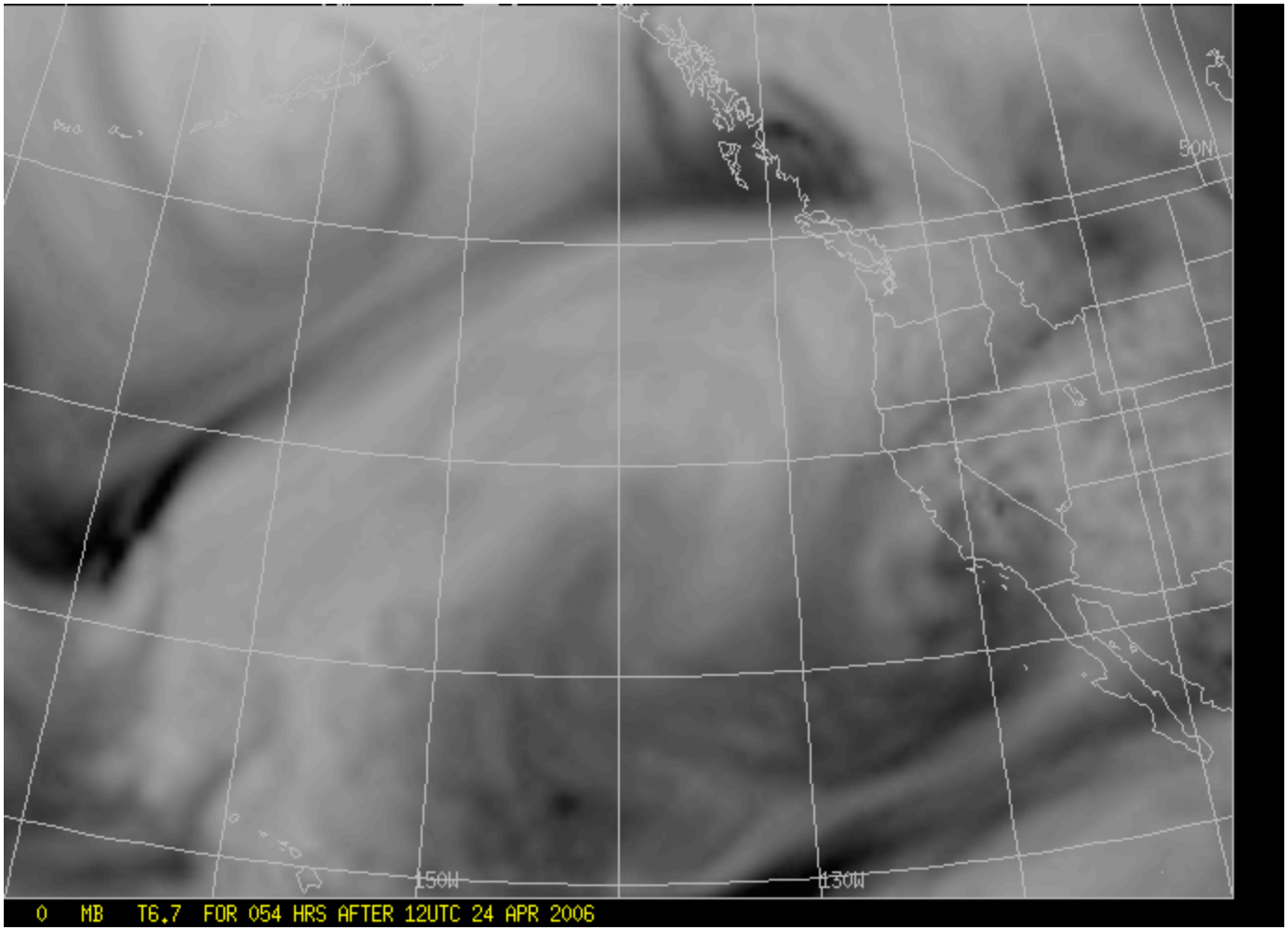

y/Night) 04/23/06 1200Z Naval Research Lab MRY
Multisat VIS/IR (Day/Night) 04/23/06 1200Z Naval Research Lab MRY
NOGAPS Sea Level Pressure (mb) 04/23/06 Base: 00Z Forecast:12
H
L
L
L
L
L
H
H
60N
30N
0N
30S
120
150
180

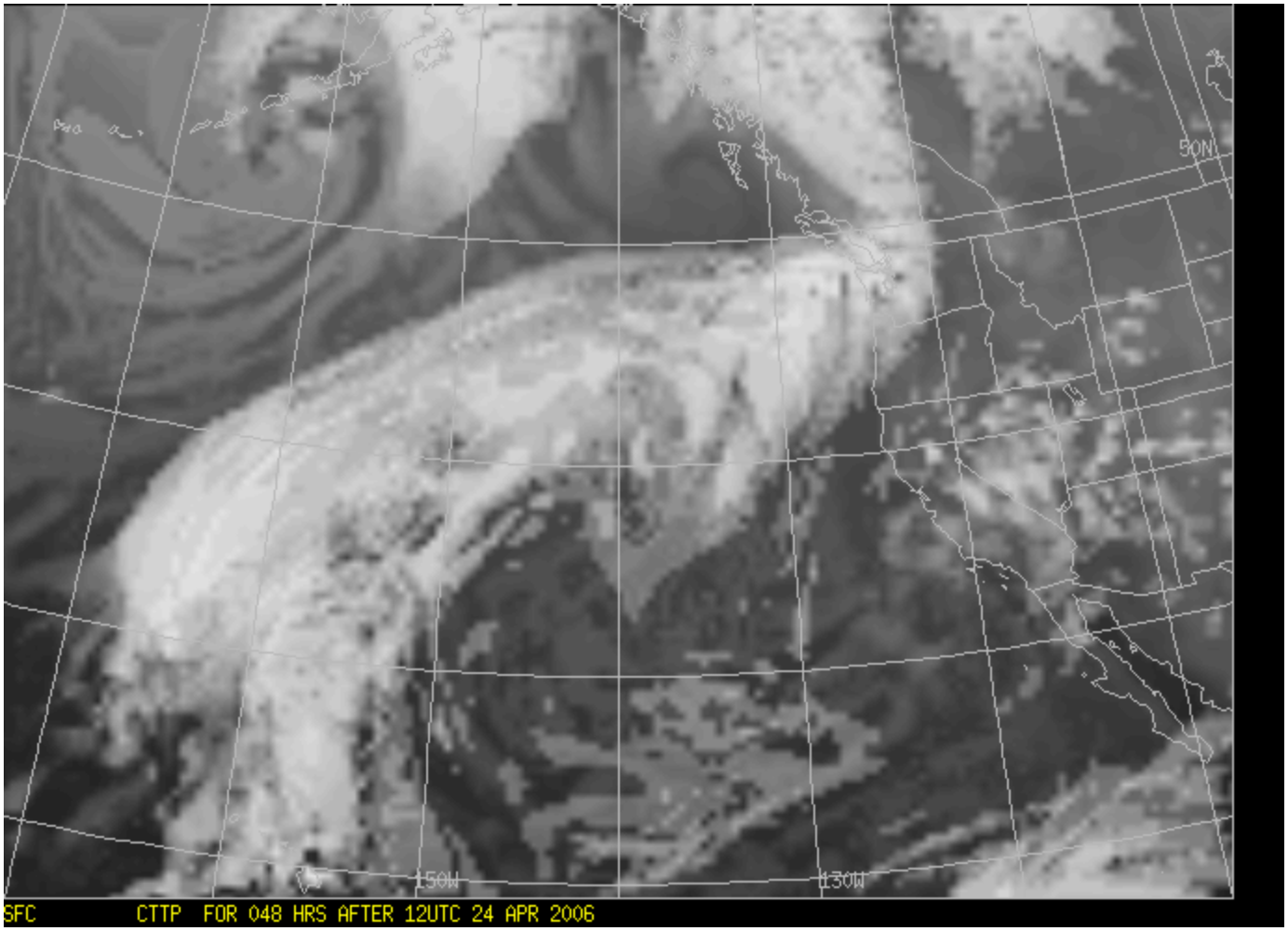

y/Night) 04/24/06 1200Z Naval Research Lab MRY
Multisat VIS/IR (Day/Night) 04/24/06 1200Z Naval Research Lab MRY
NOGAPS Sea Level Pressure (mb) 04/24/06 Base: 00Z Forecast:12
L
H
L
H
L
L
H
120
150
180
150
120
60N
30N
0N
30S



y/Night) 04/24/06 1200Z Naval Research Lab MRY
Multisat VIS/IR (Day/Night) 04/24/06 1200Z Naval Research Lab MRY
120
150
180
60N
5400
5440
5480
5560
5600
5640
5680
5720
5760
5800
5840
5880


60
60
45
80
-180
30
180
15
160
140
120
- UVA -
WEATHER
4 0004 G-8 IMG 03 24 APR 06114 060000 02637 07921 08.00


50N
150W
130W
0 MB T6.7 FOR 054 HRS AFTER 12UTC 24 APR 2006

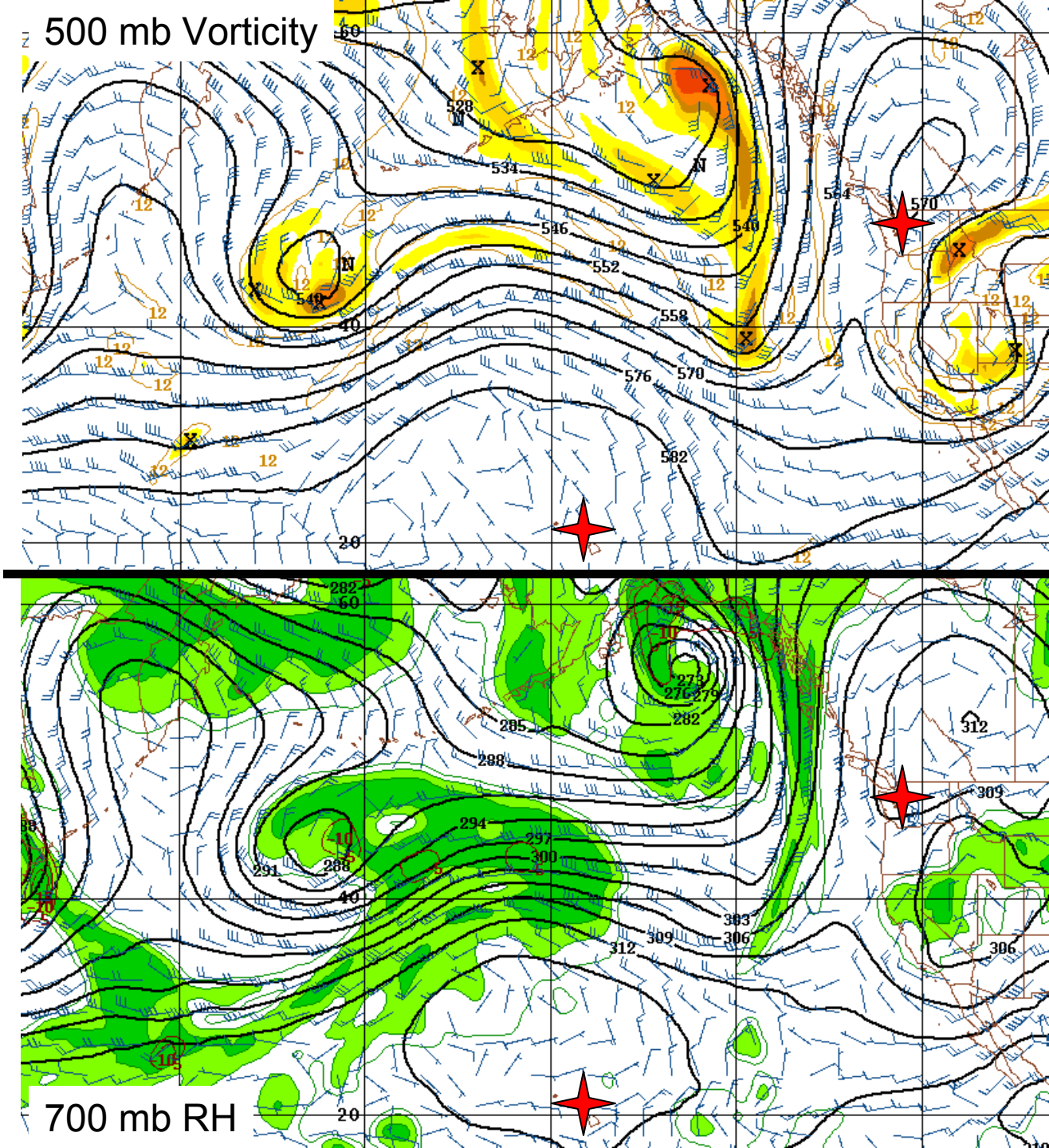

50N
150W
130W
SFC CTTP FOR 048 HRS AFTER 12UTC 24 APR 2006

Pacific Flow for the coming Week

Mid-level Cyclone Strength (500 mb)
And
Mid-level RH (clouds) (700mb)

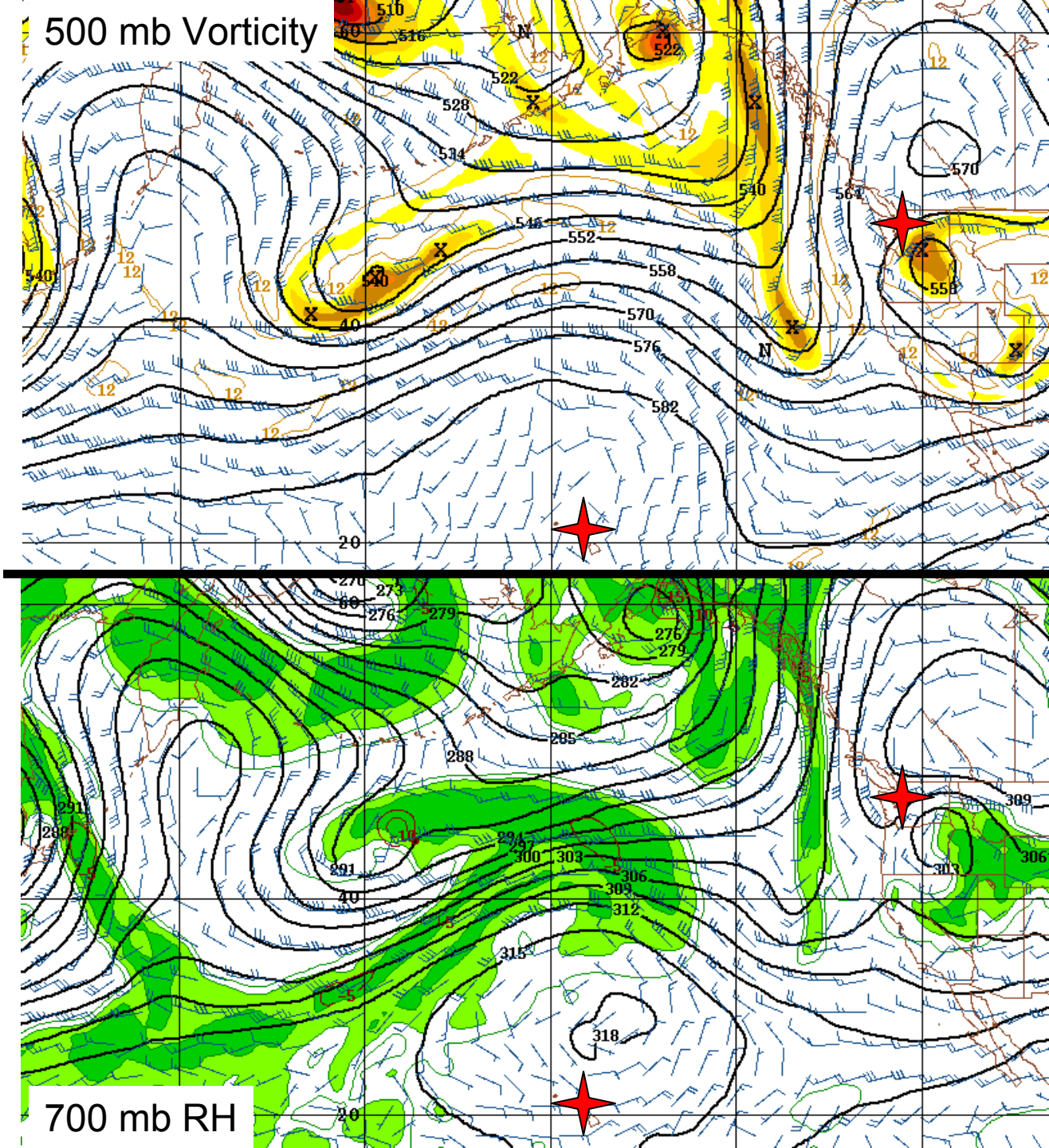
Latest Analysis,
06 z GFS

Mon 0424
6 z



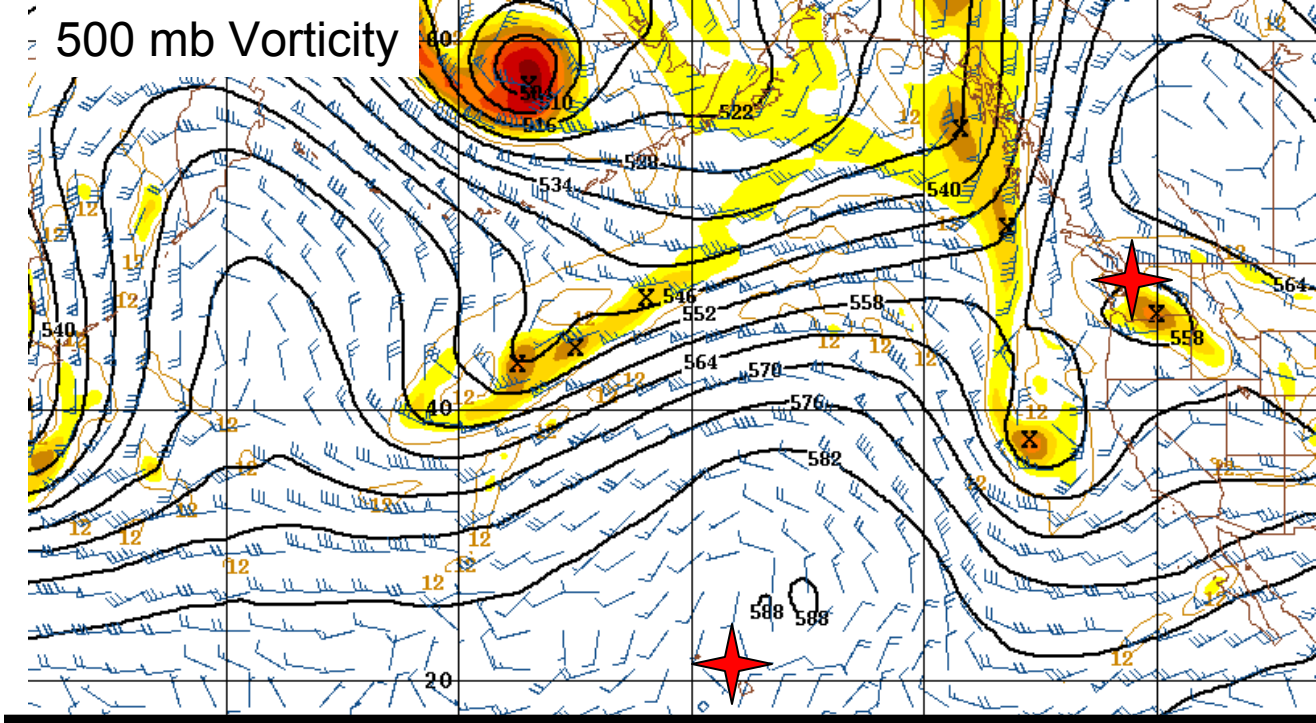
12 hr Fx

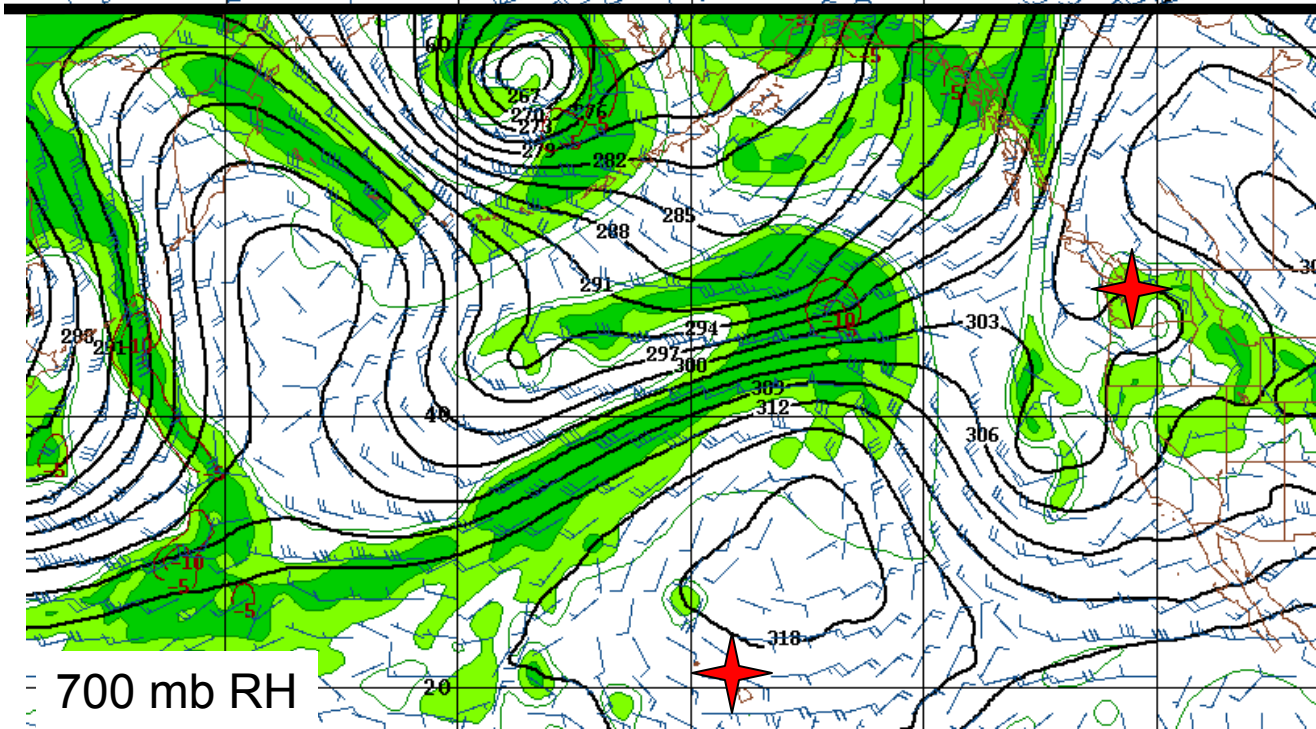
Mon 0424
18 z



24 hr Fx

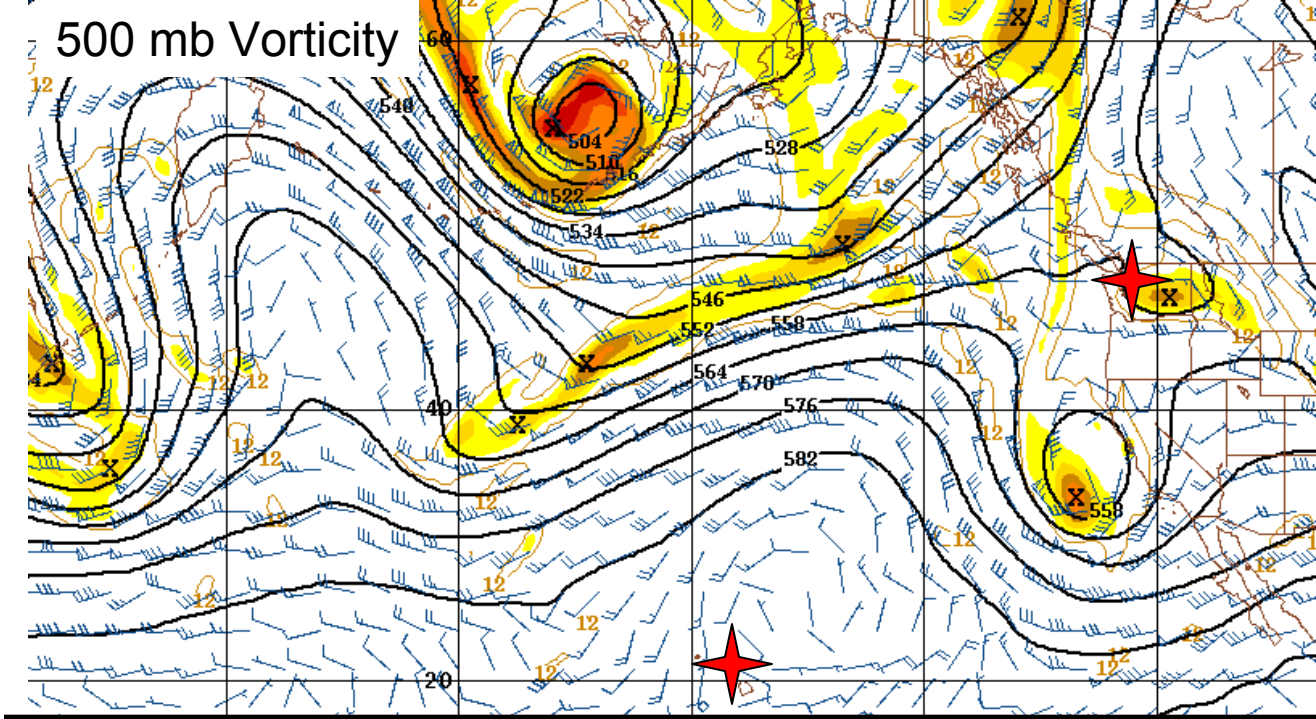
Tues 0425
6 z

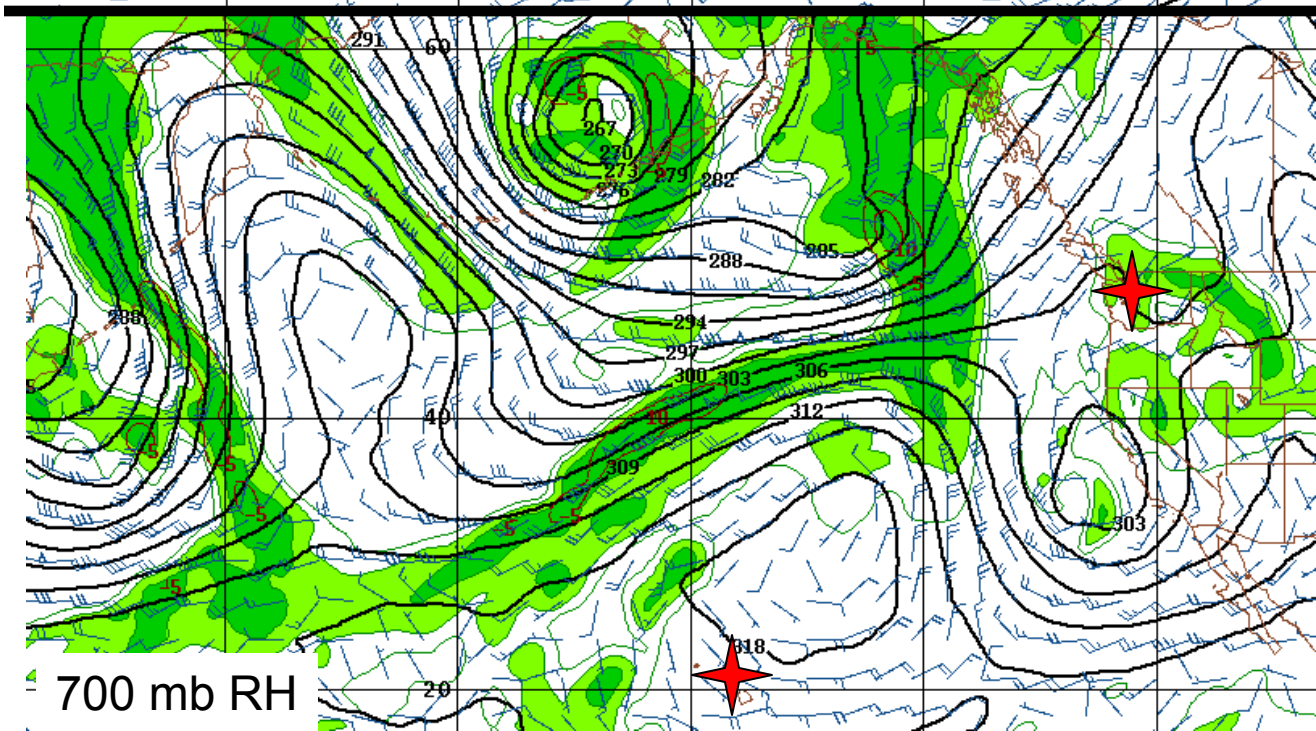




36 hr Fx

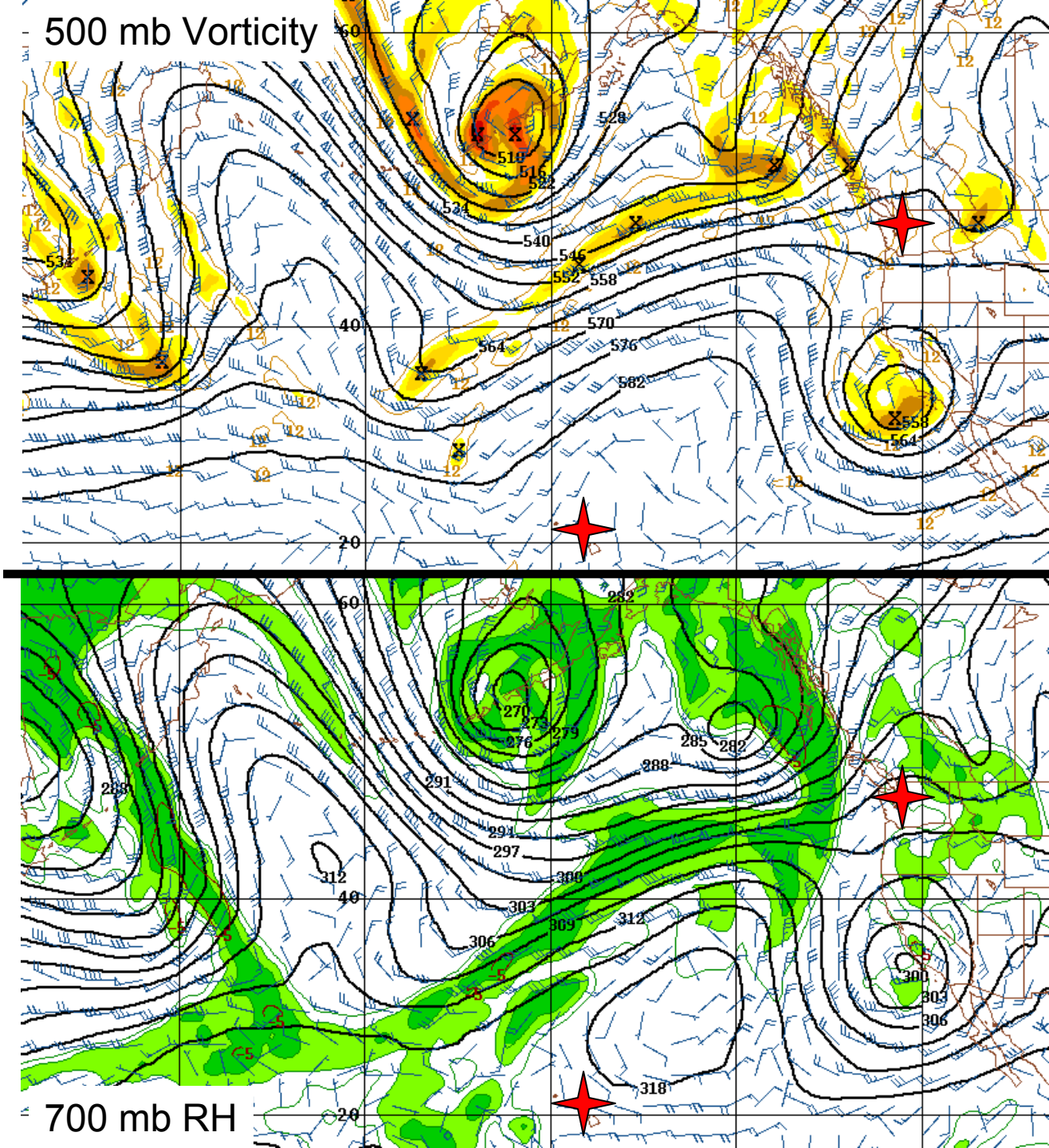
Tues 0425
18 z





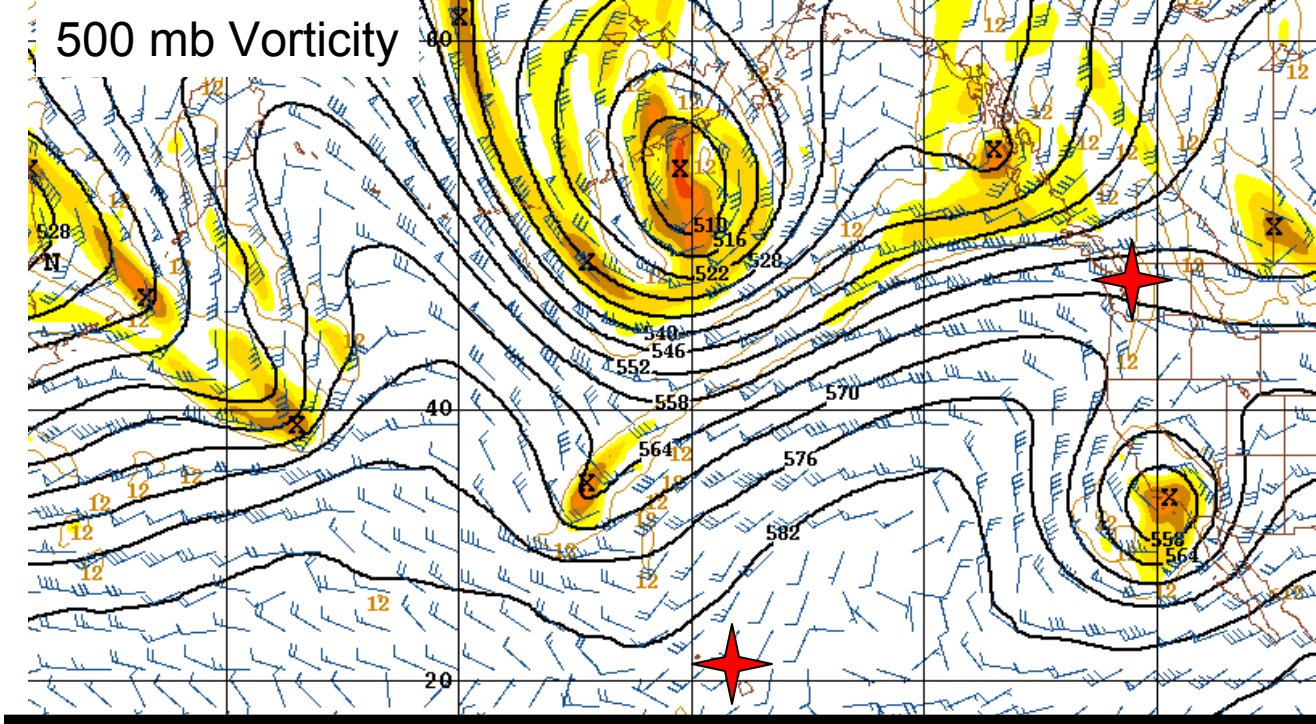
48 hr Fx

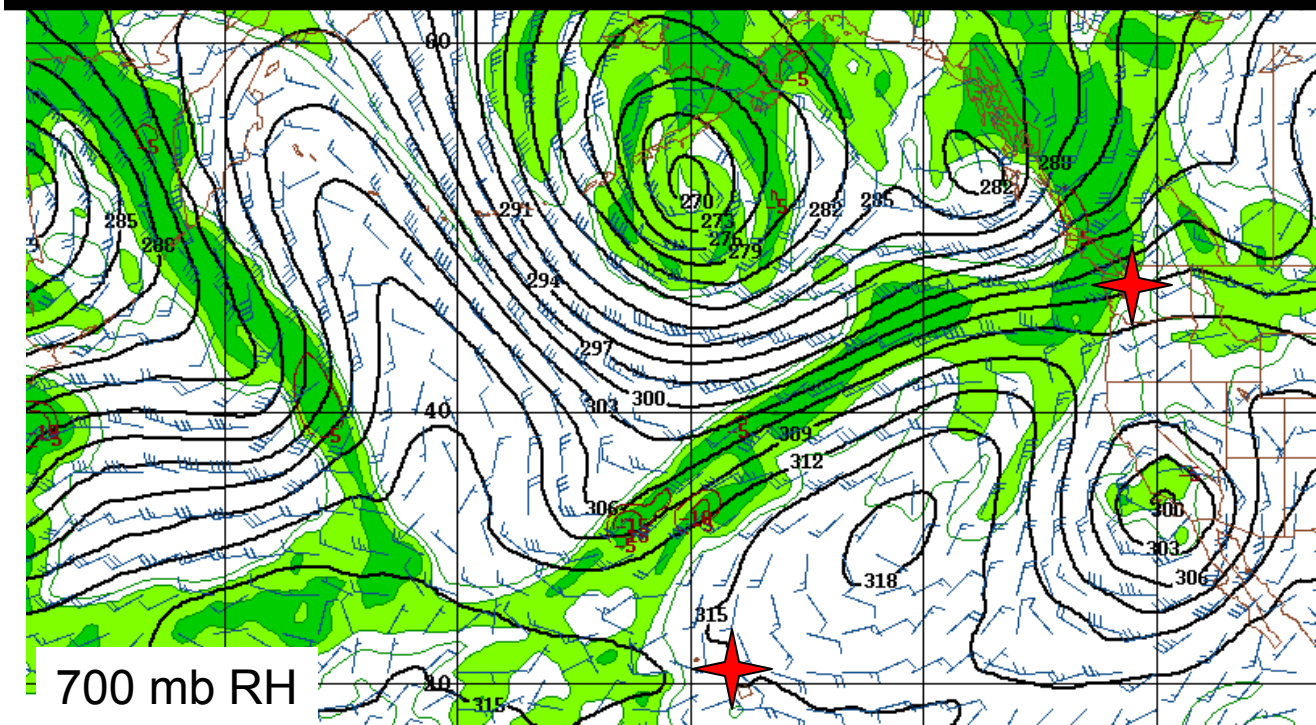
Wed 0426
6 z



60 hr Fx

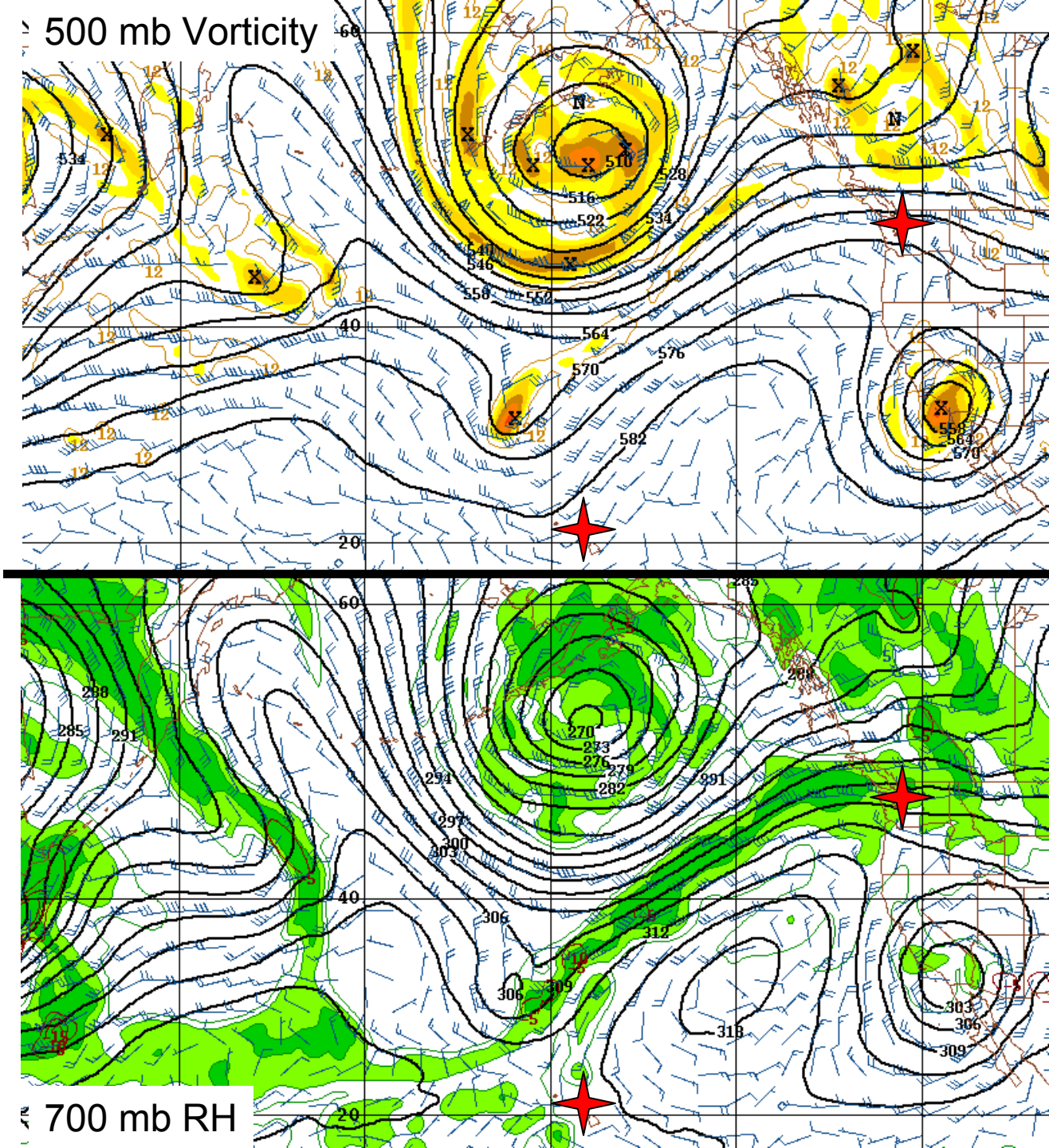
Wed 0426
18 z





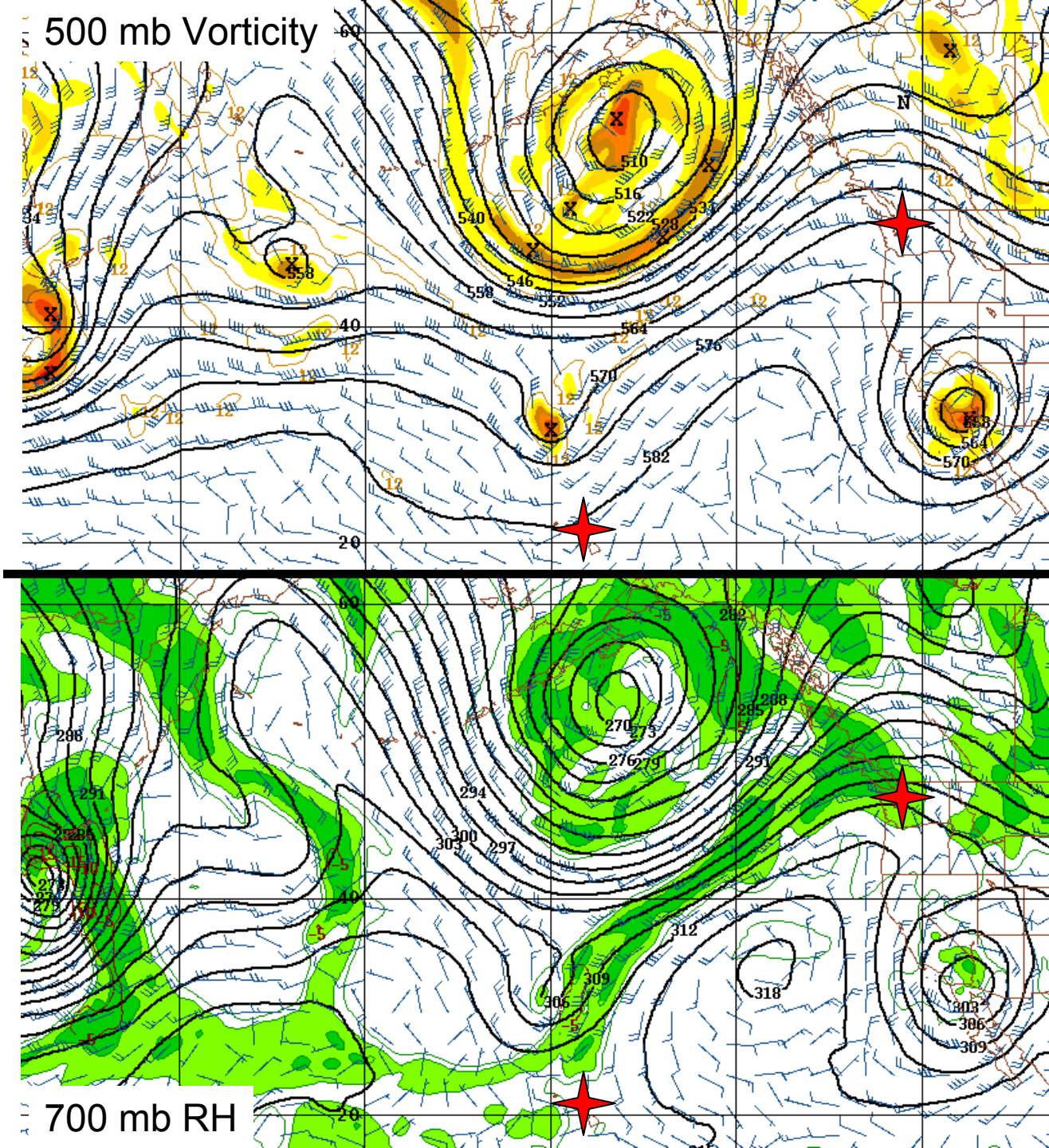
72 hr Fx

Thur 0427
6 z



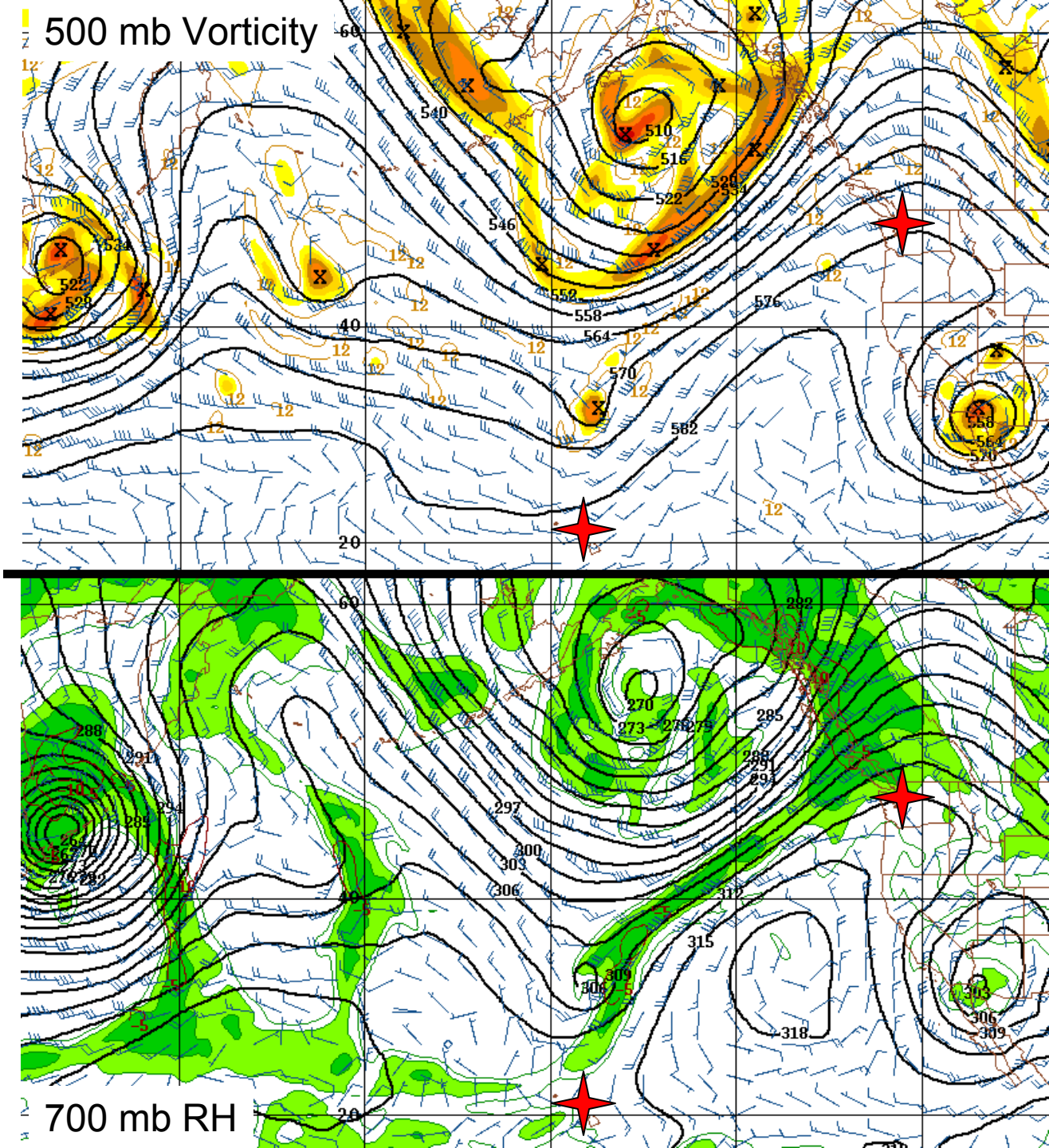
84 hr Fx

Thur 0427
18 z



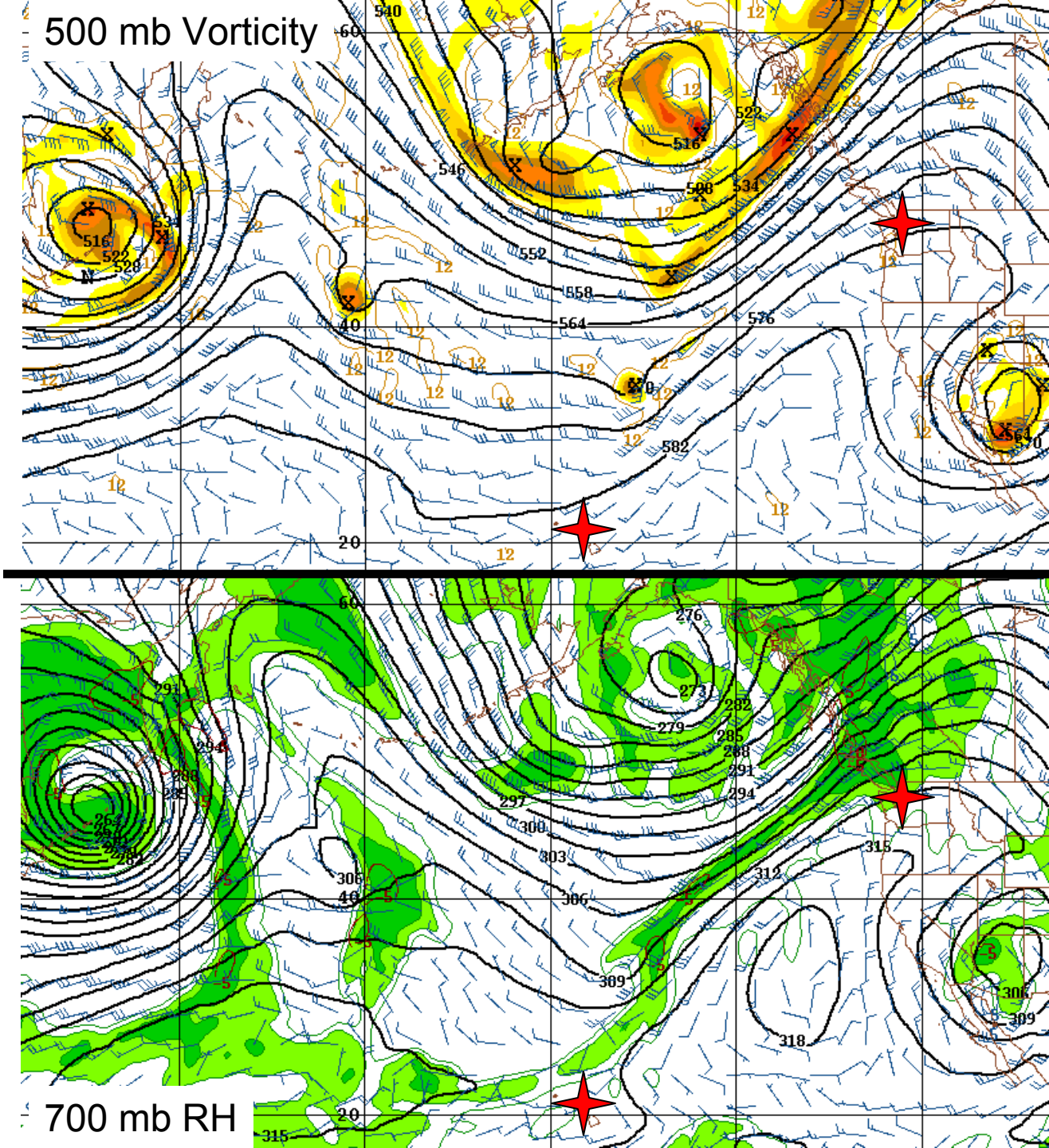
96 hr Fx

Fri 0428
6 z



108 hr Fx

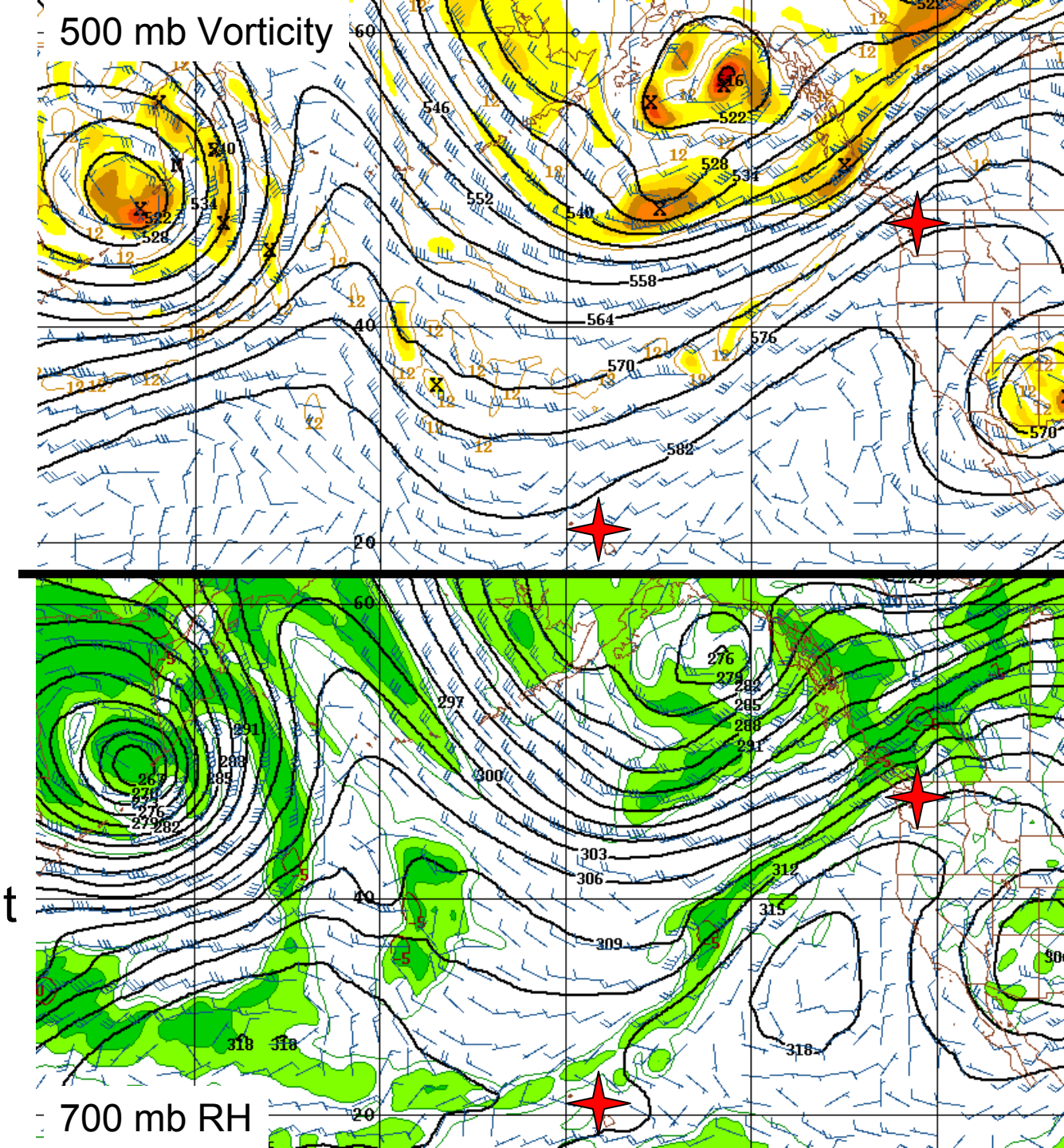
Fri 0428
18 z



120 hr Fx

Sat 0429
6 z

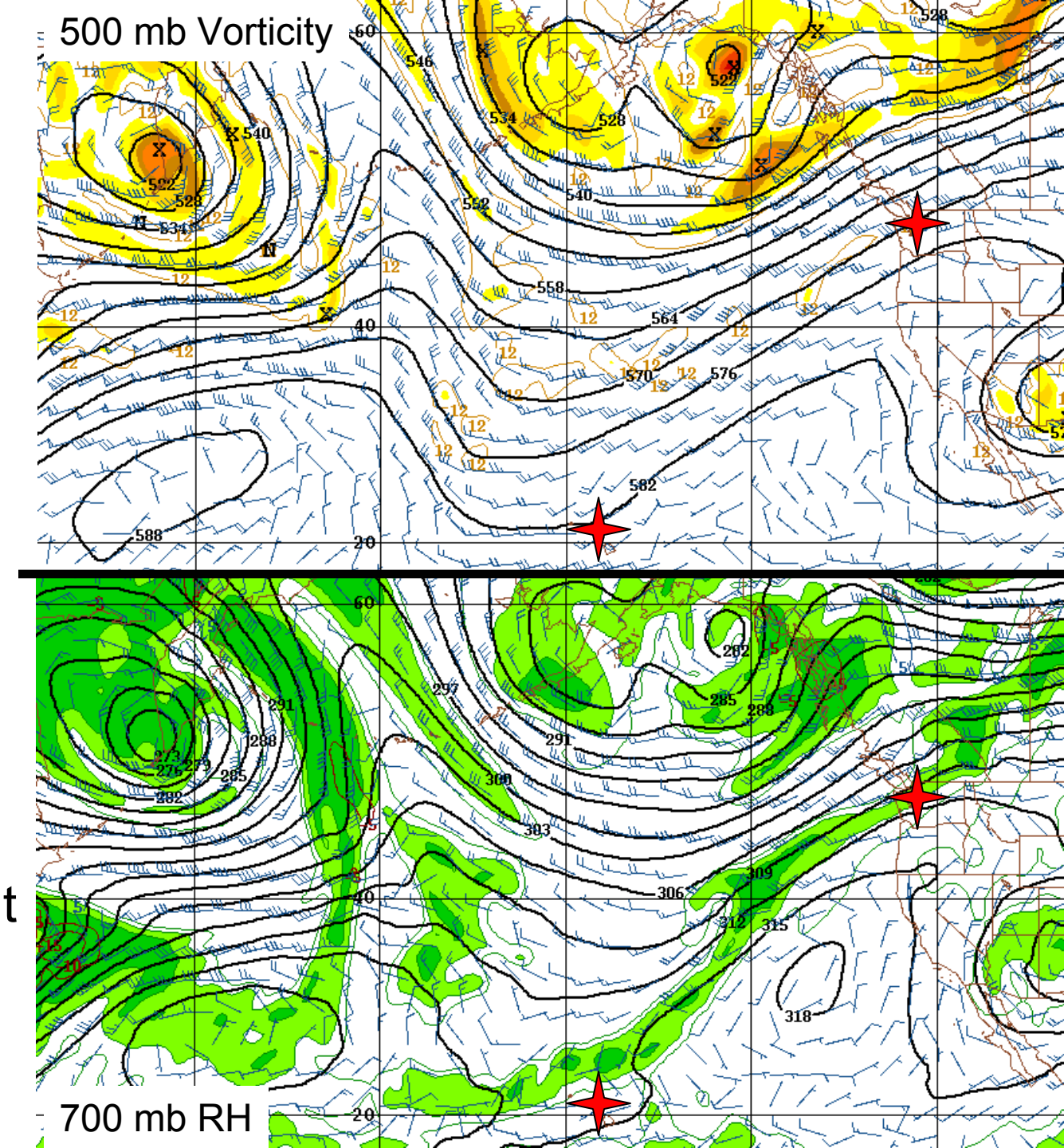
5 day Fx…
Here's a grain of salt



132 hr Fx

Sat 0429
18 z

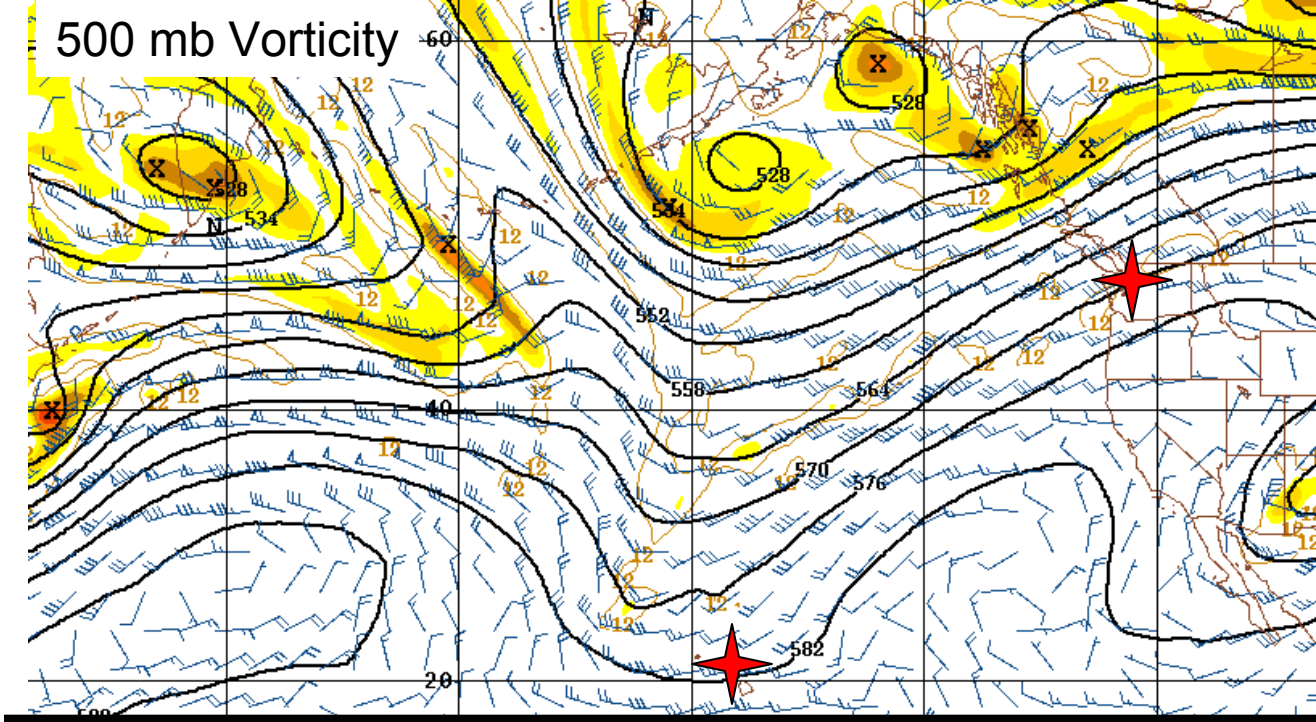
5 day Fx…
Here's a grain of salt

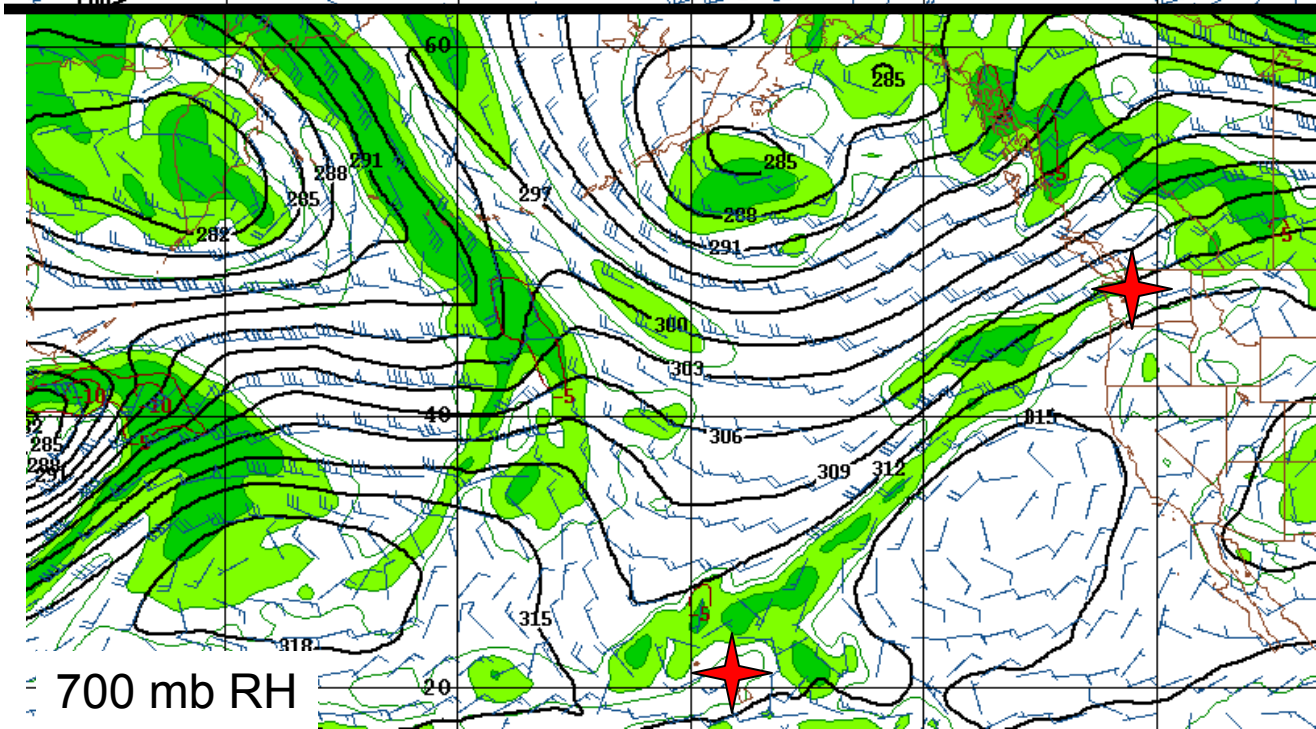


144 hr Fx

Sun 0430
6 z

6 day Fx…
Here's another

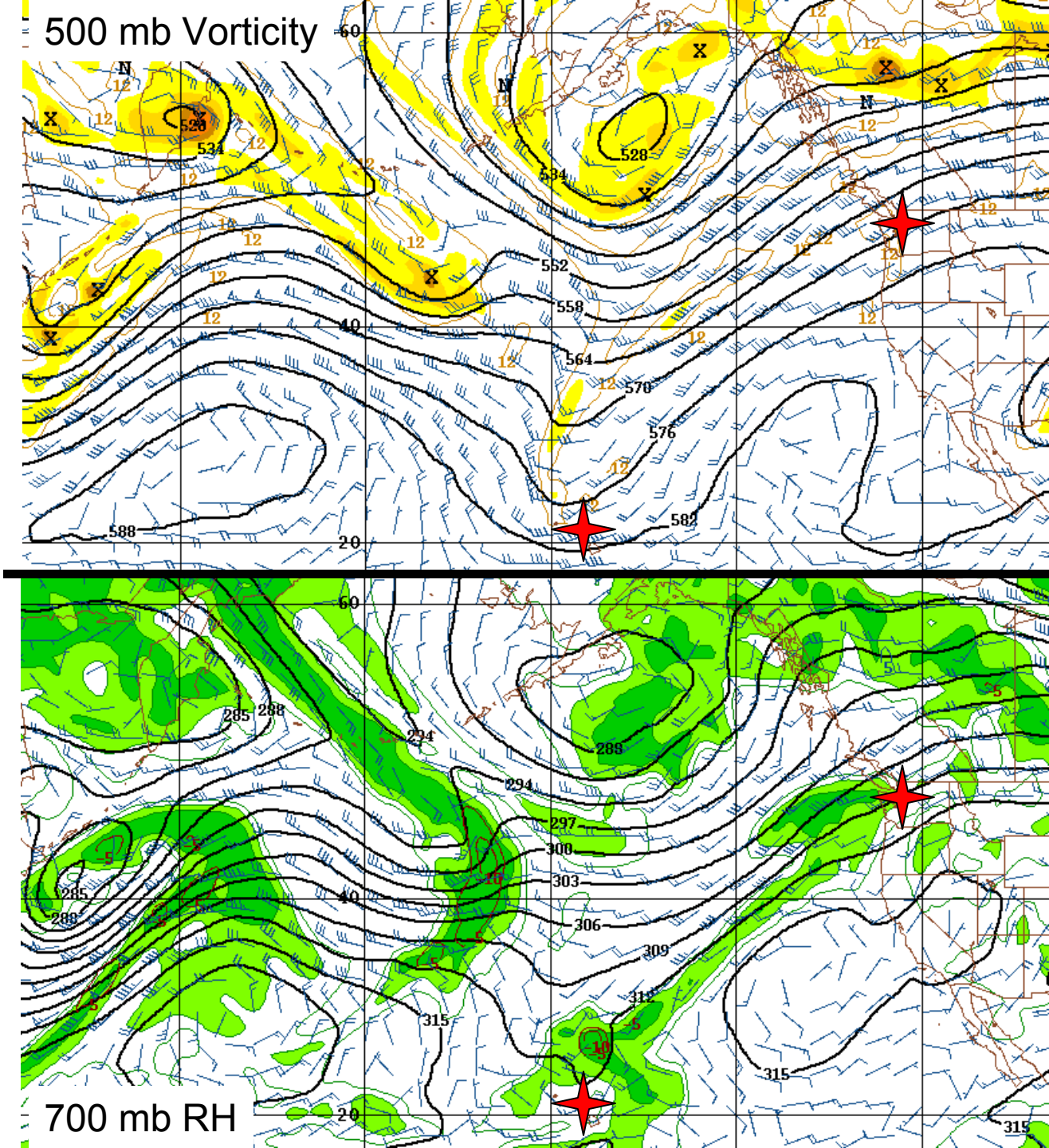




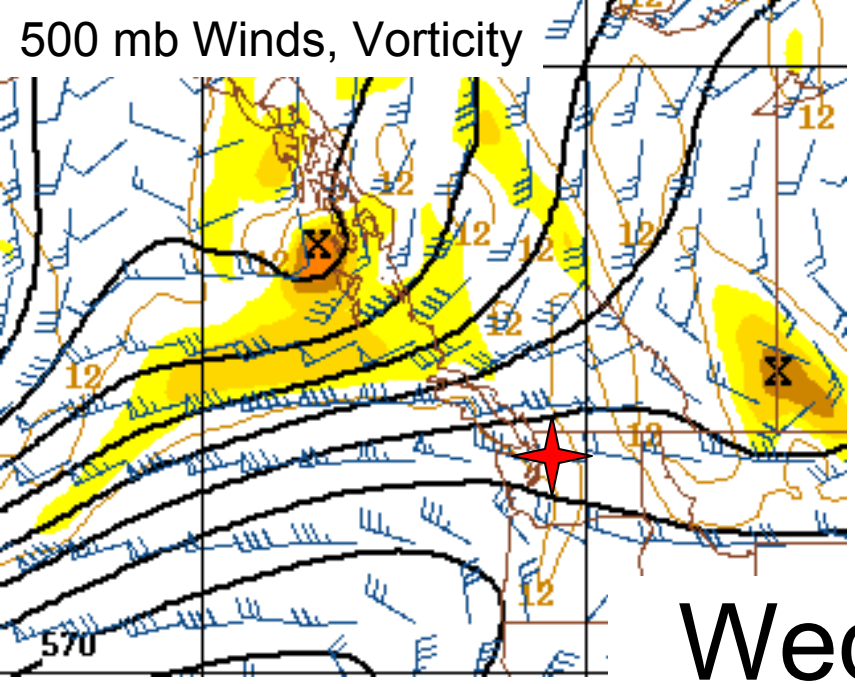
156 hr Fx

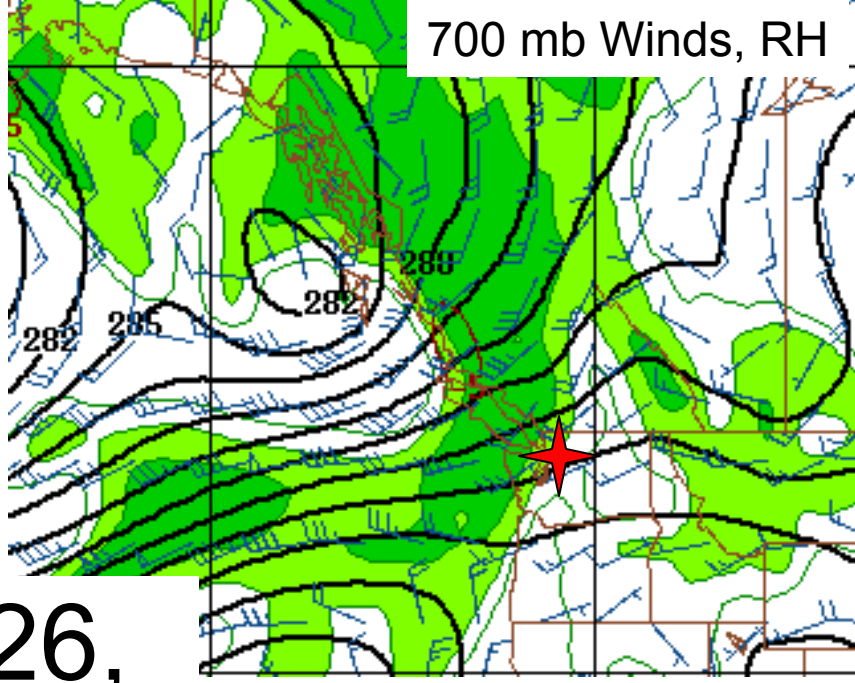
Sun 0430
18 z

6 day Fx…
Here's another

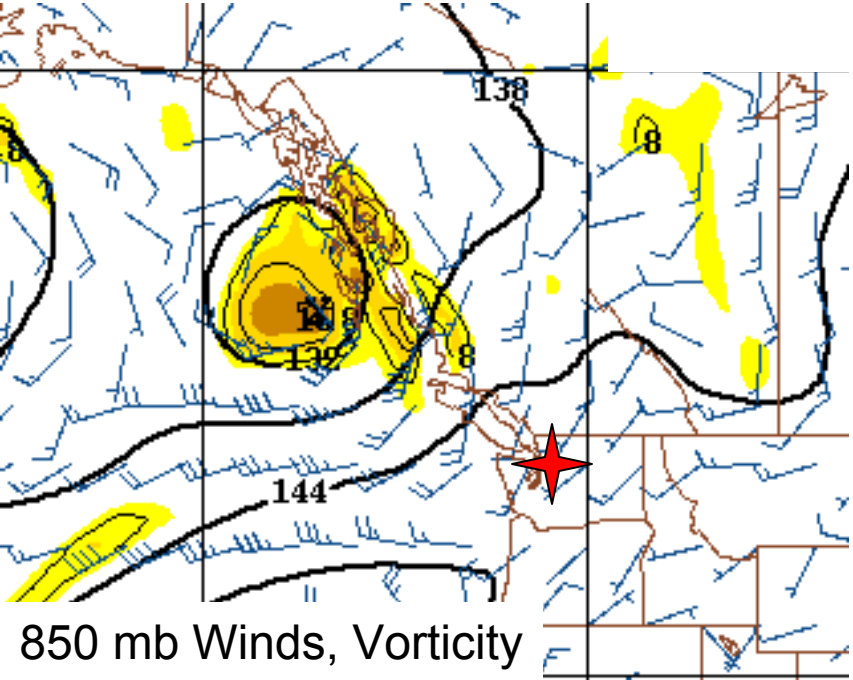


Potential Flight Days

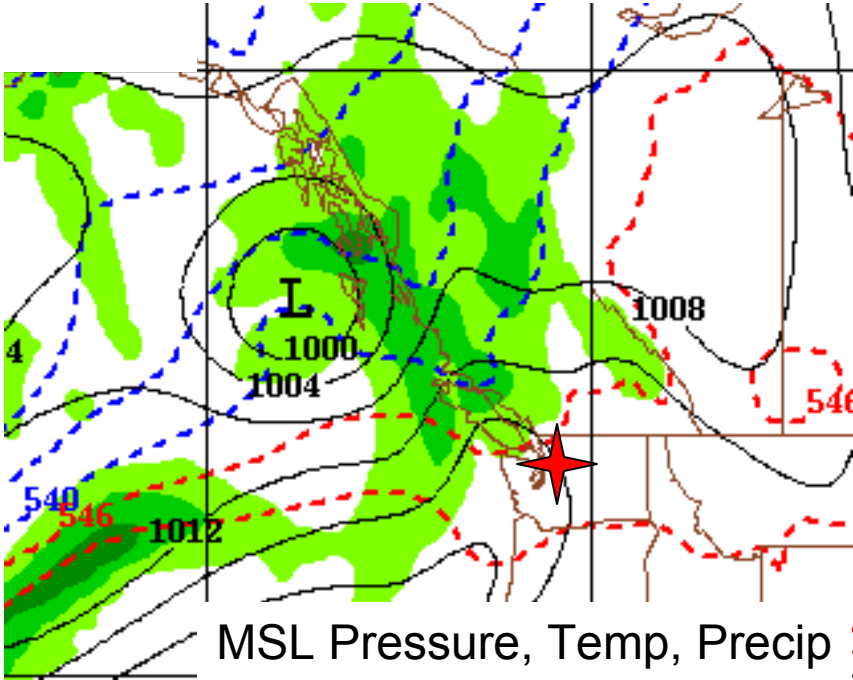




Wed 0426, 18z



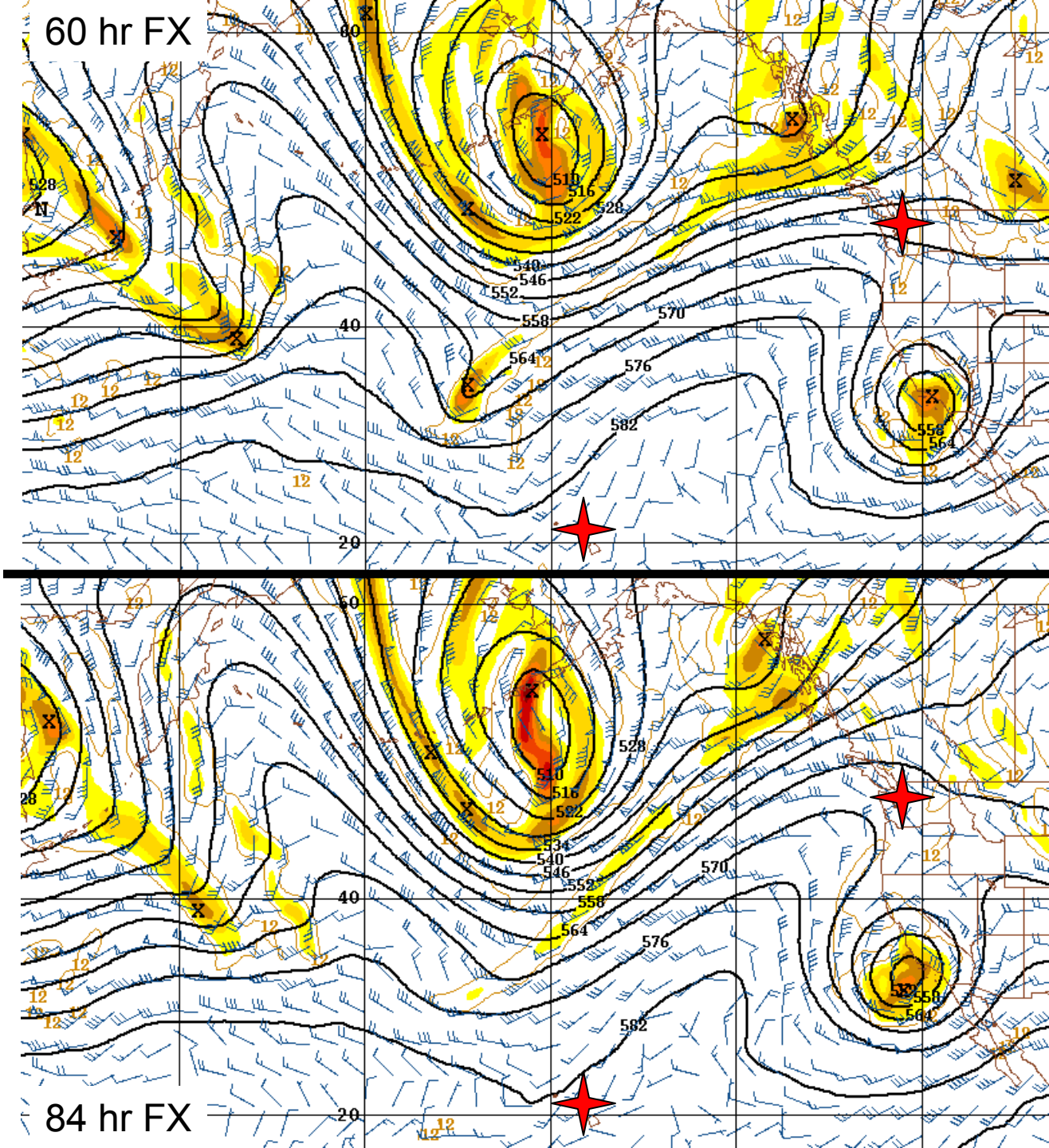
850 mb Winds, Vorticity

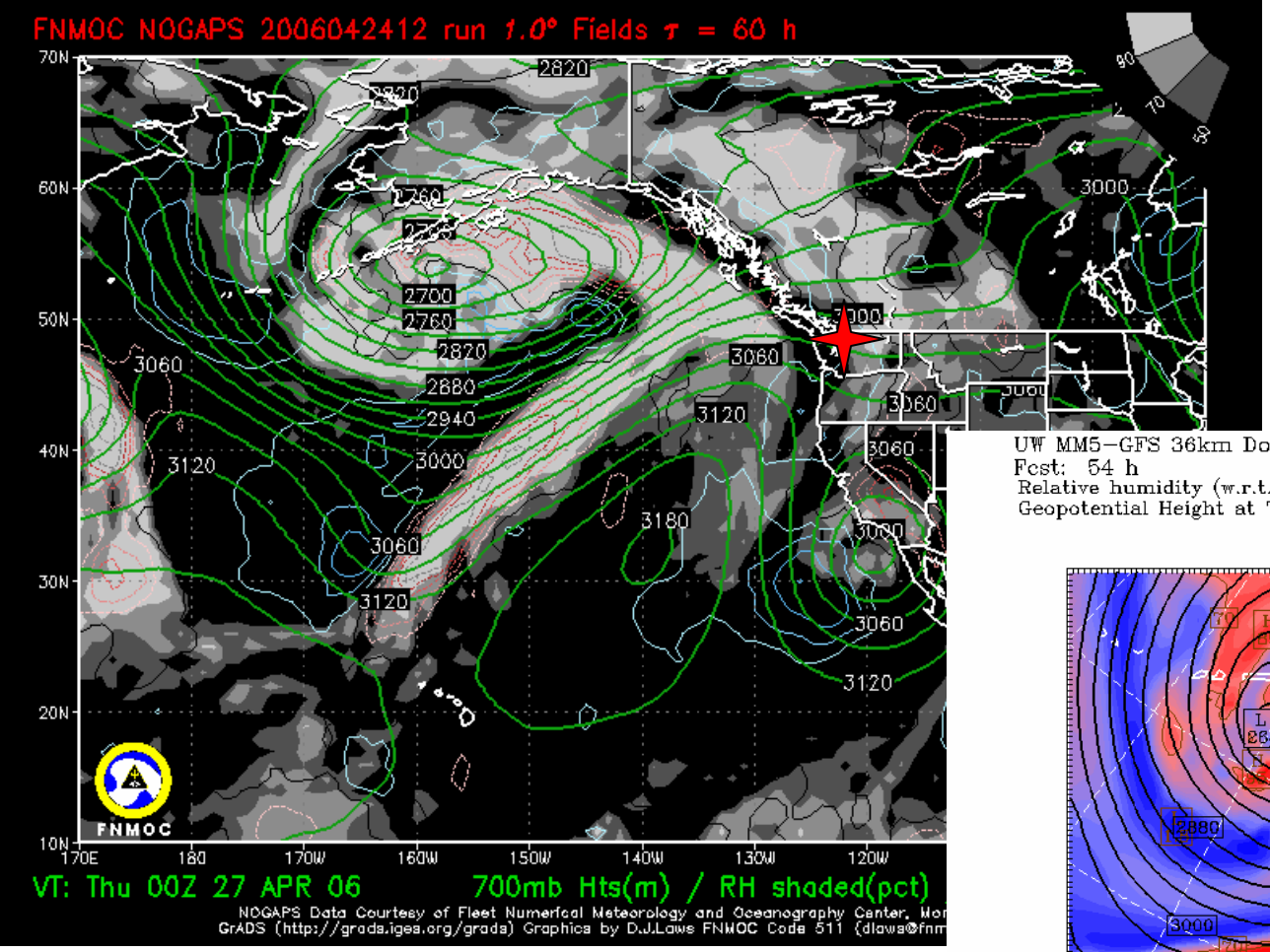


MSL Pressure, Temp, Precip

GFS Model Evolution

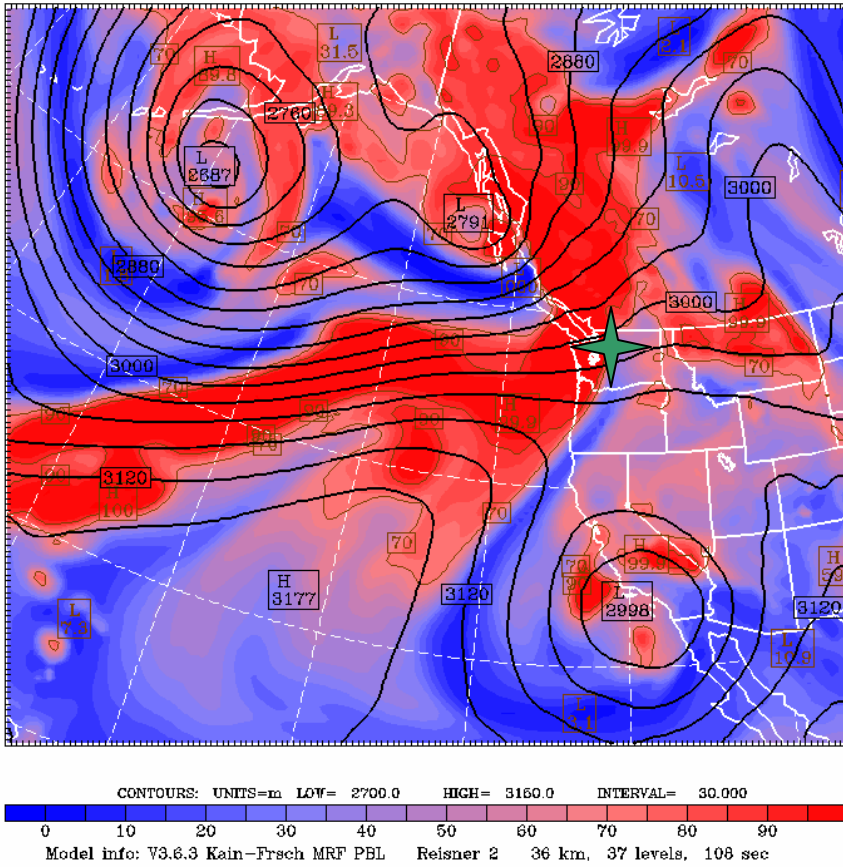
Wed 0426 18 z



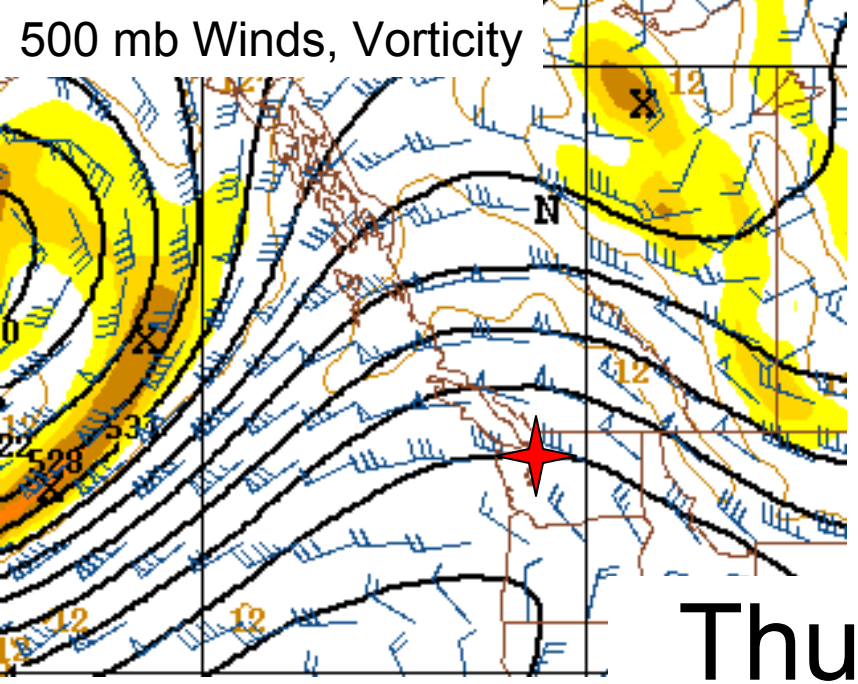


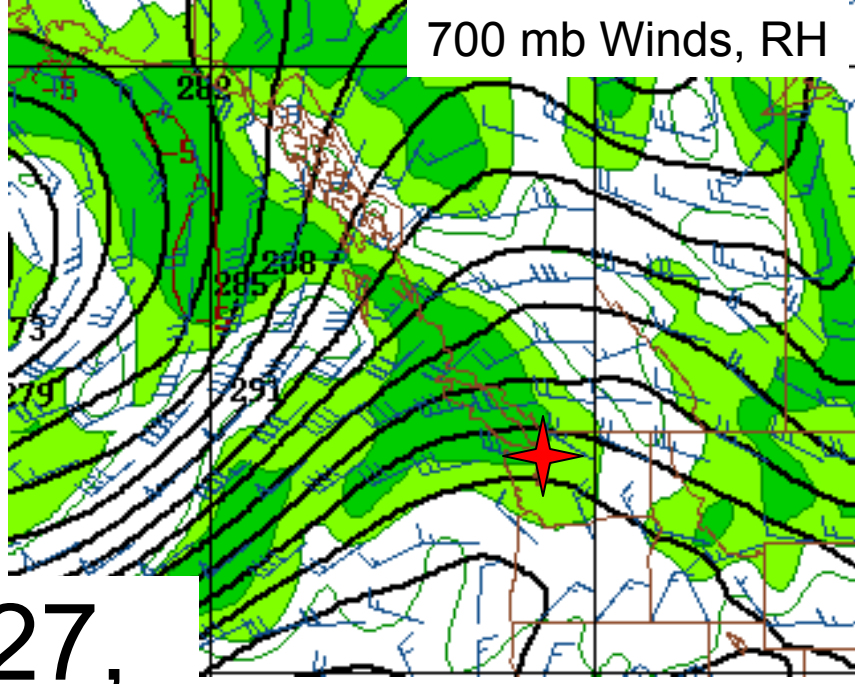
NOGAPS 00z Thur

MM5 (GFS) 18z Wed

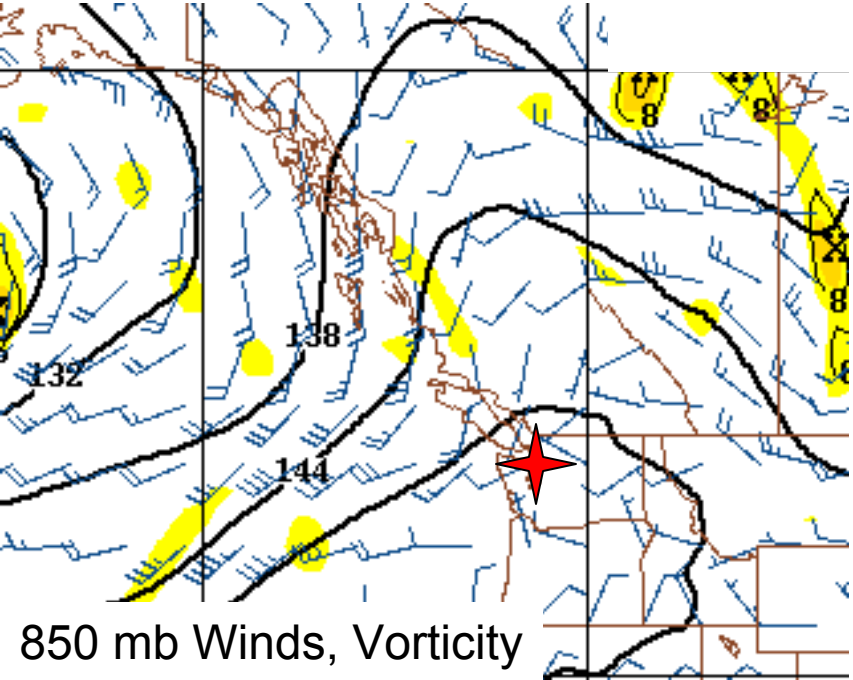


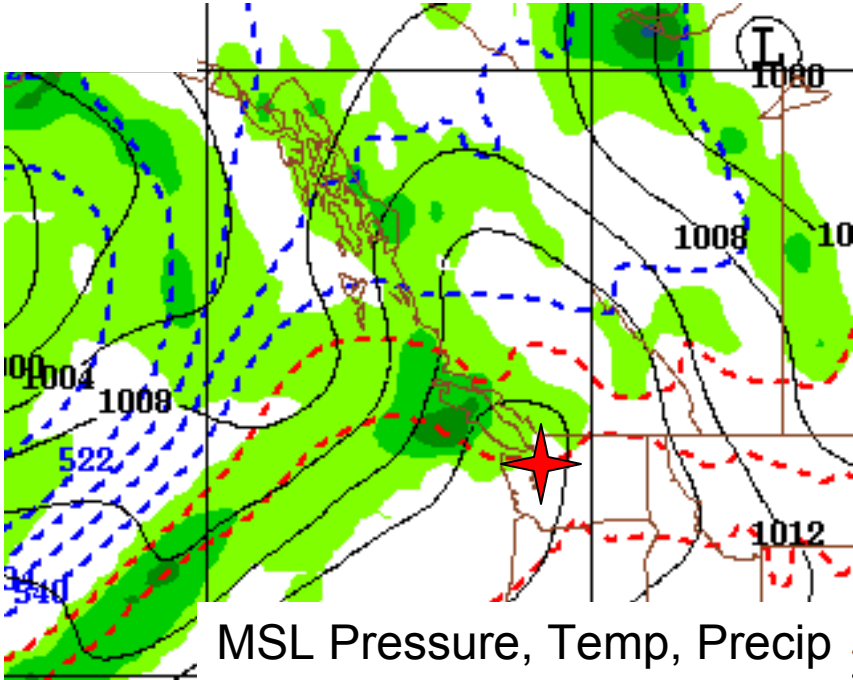
700 mb RH





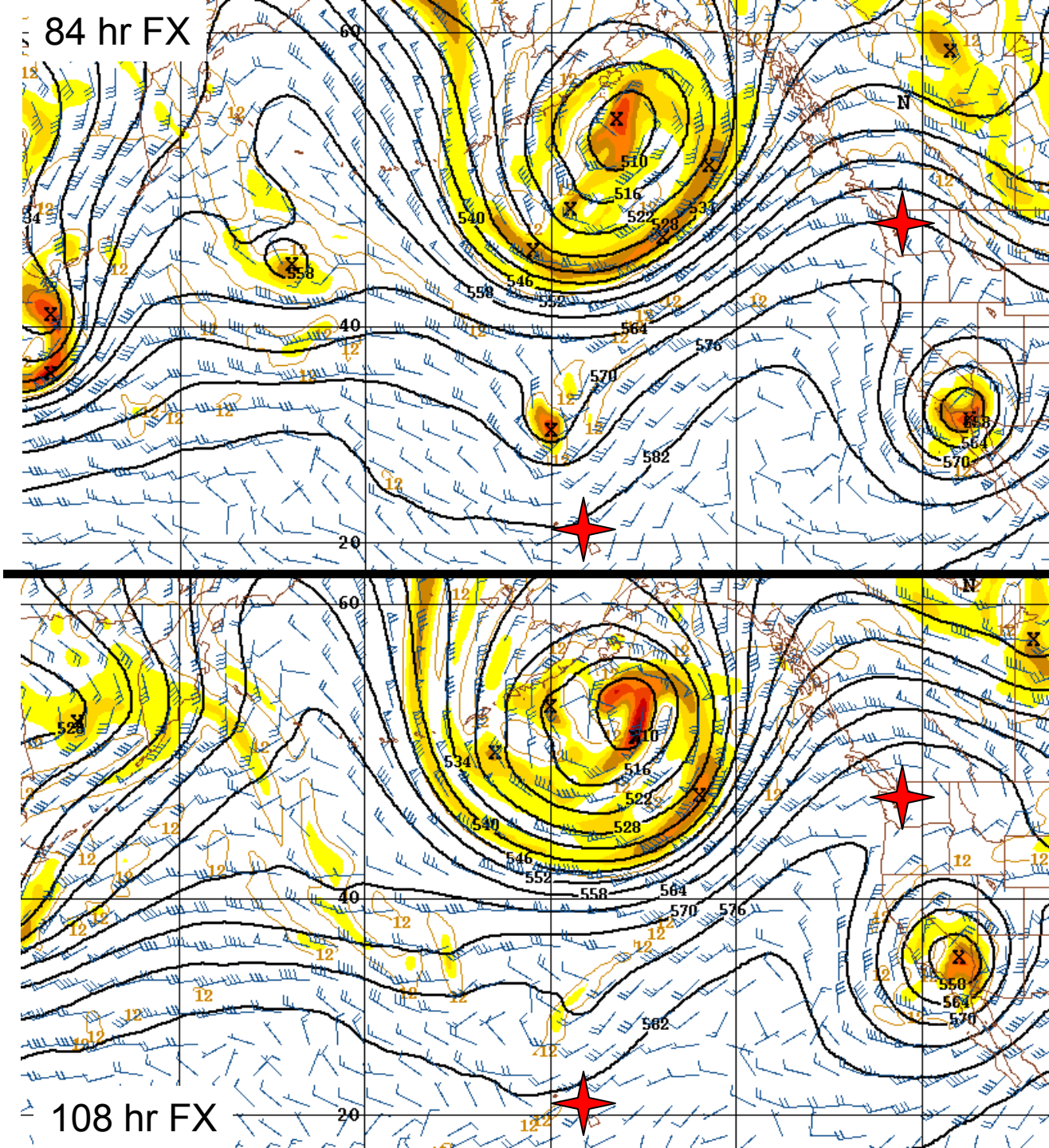
Thur 0427, 18z

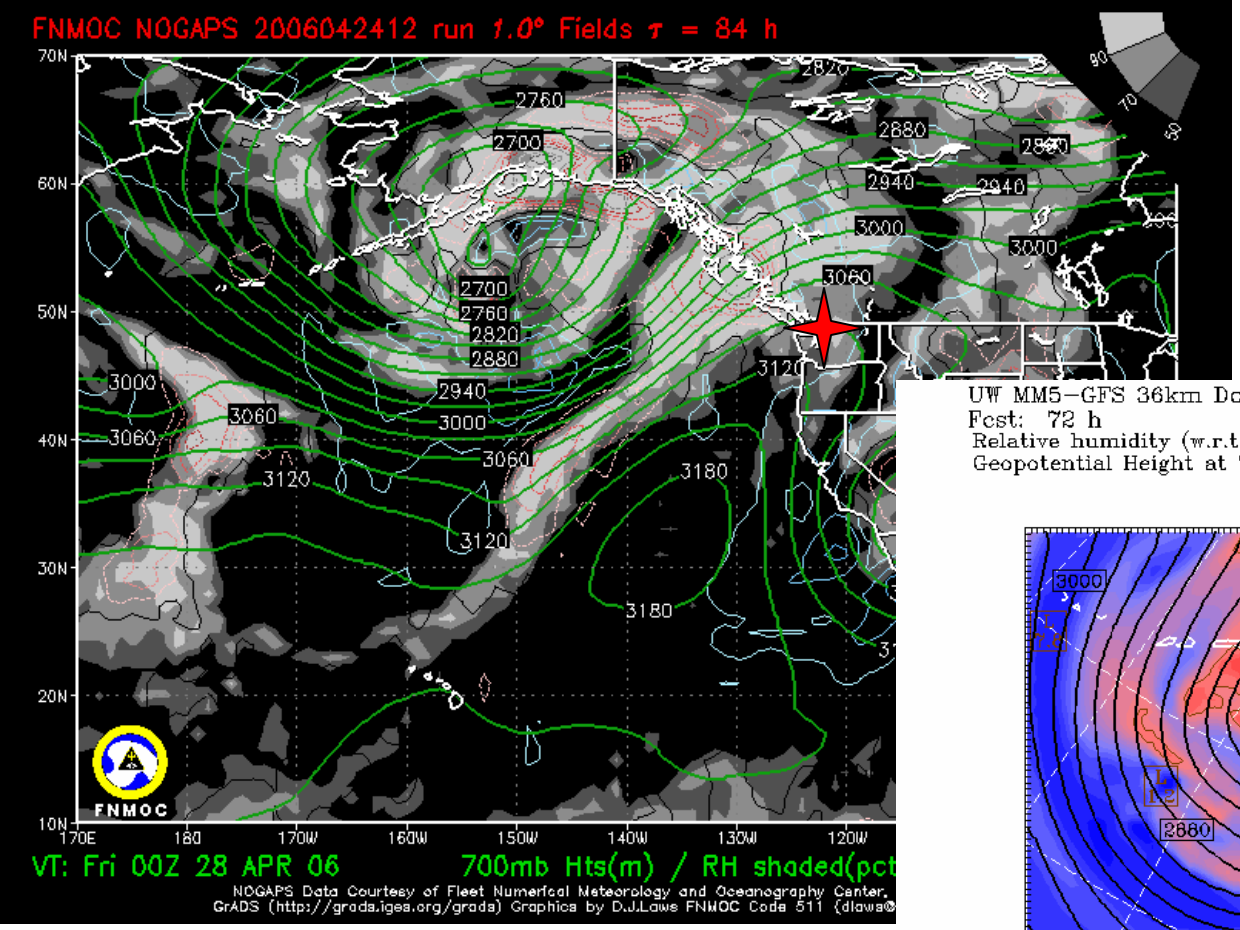




GFS Model Evolution

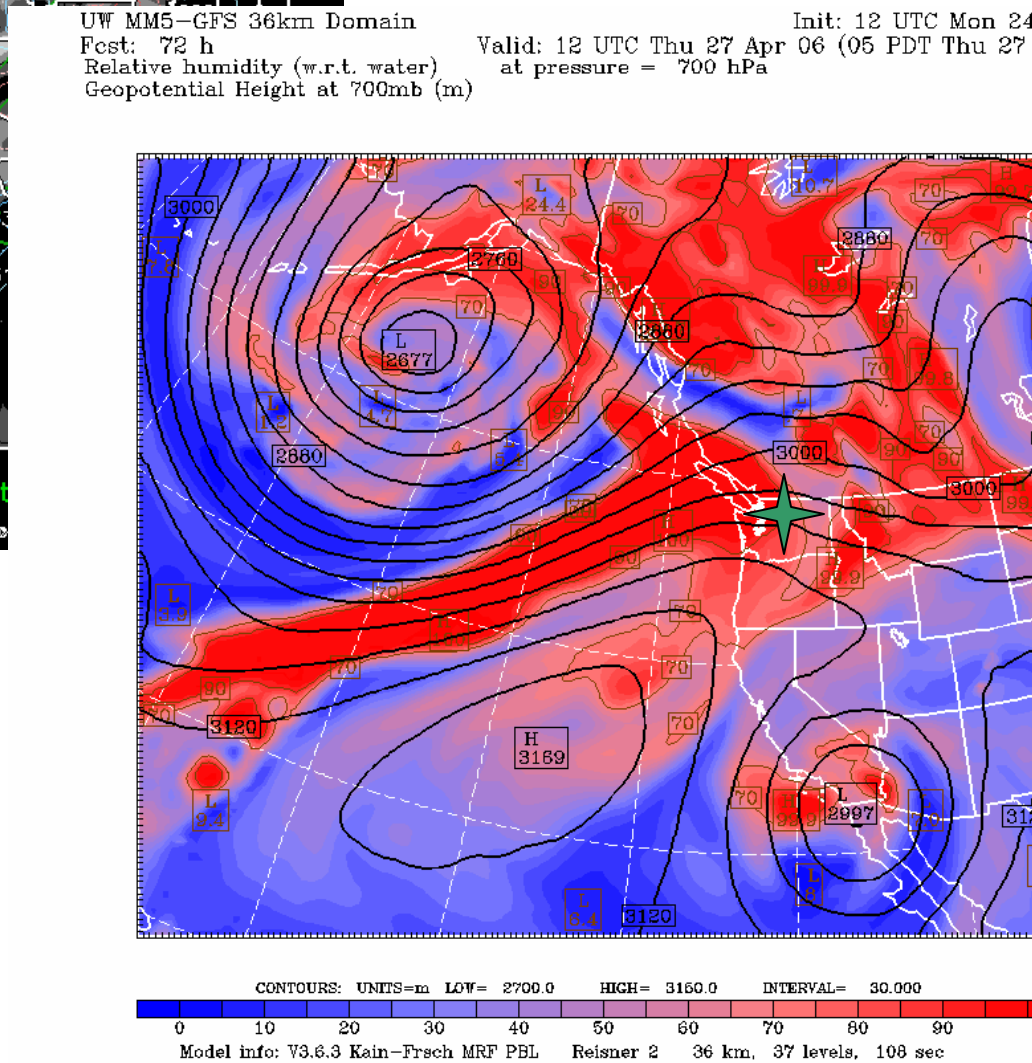
Thur 0427
18 z





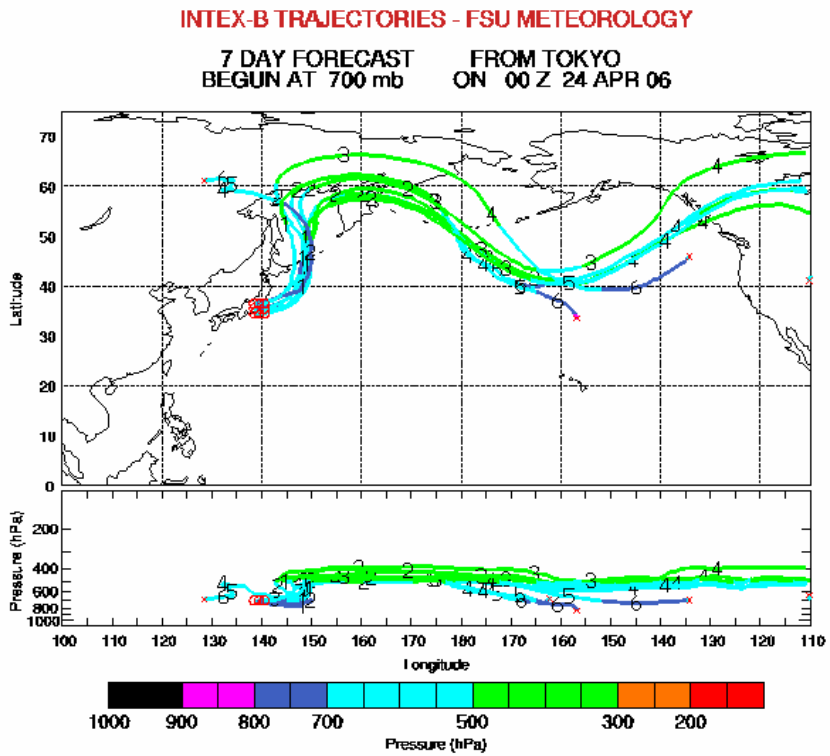
NOGAPS 00z Fri

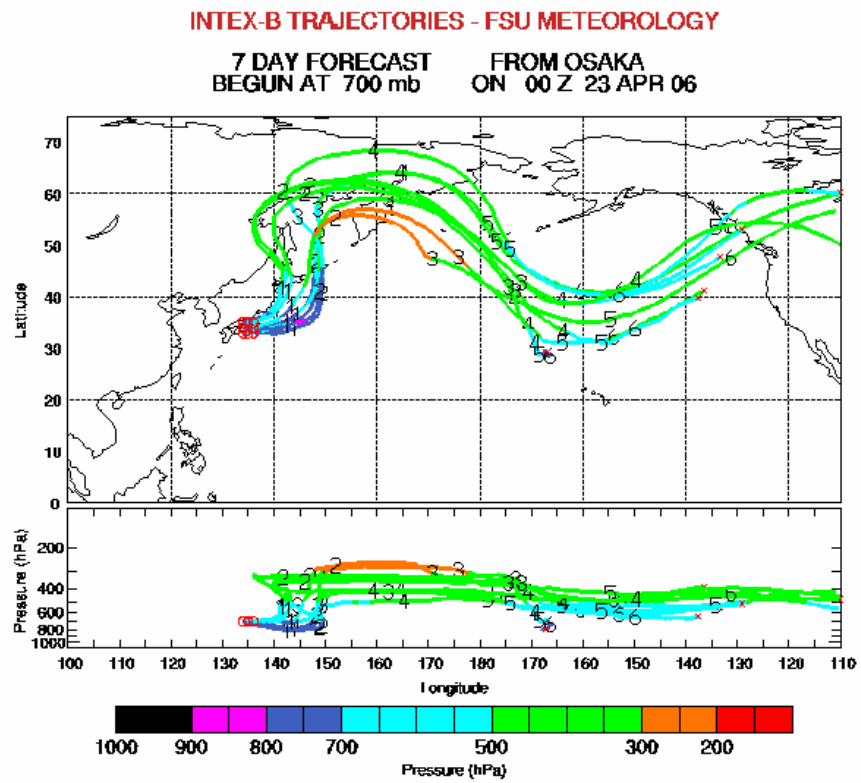
MM5 (GFS) 12z Thur



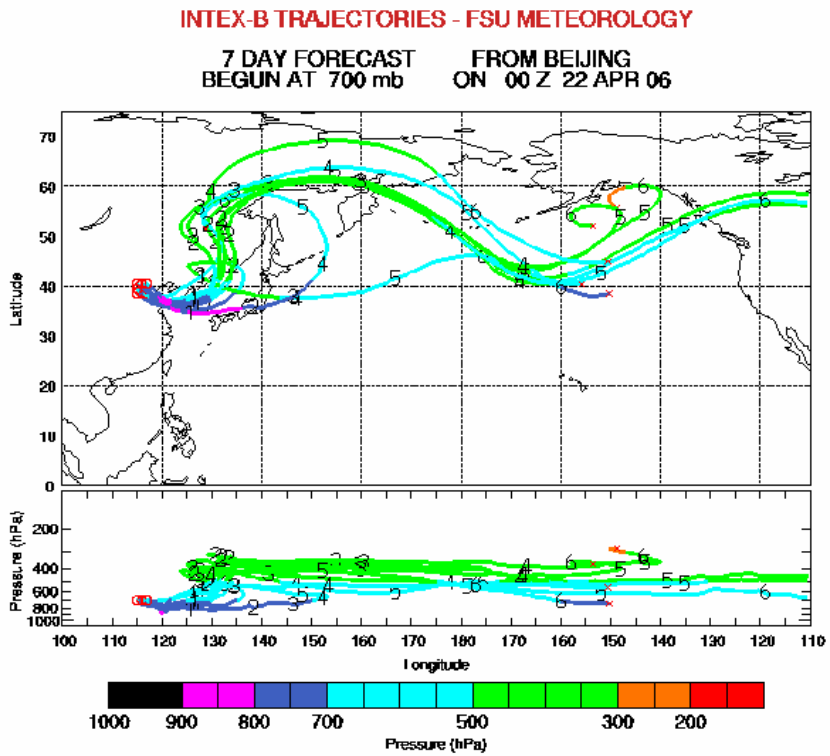
700 mb RH

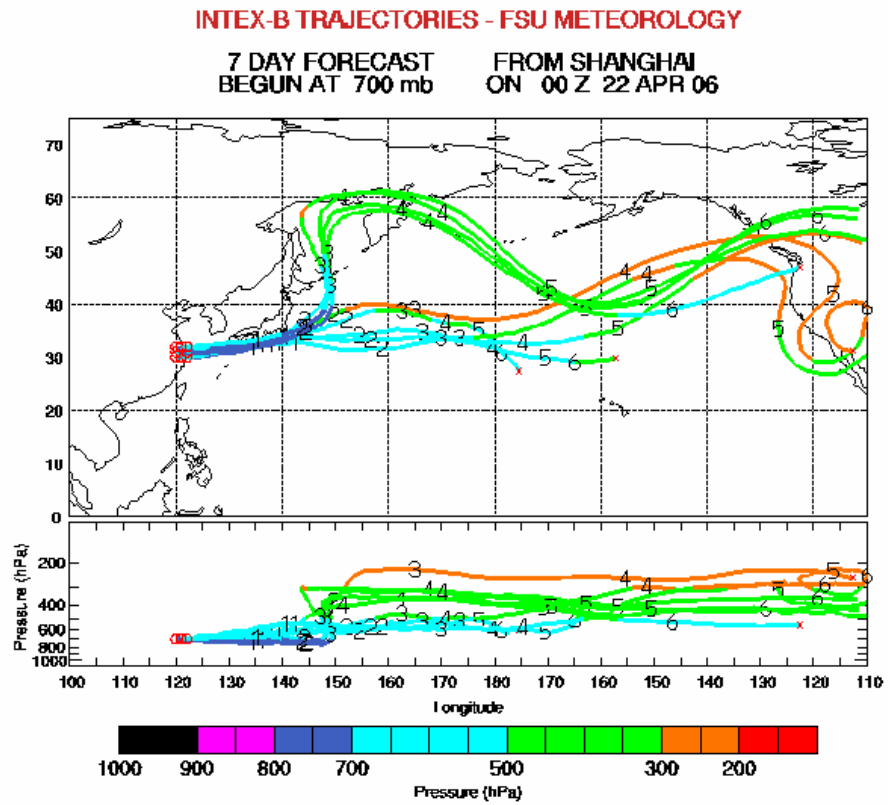
Forward Trajectories from Japan



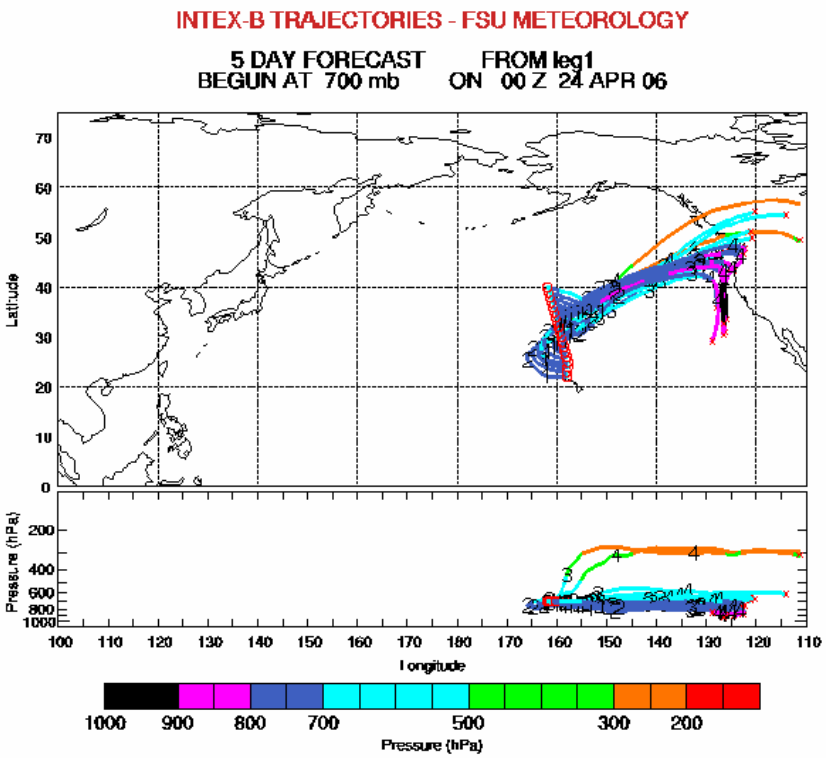


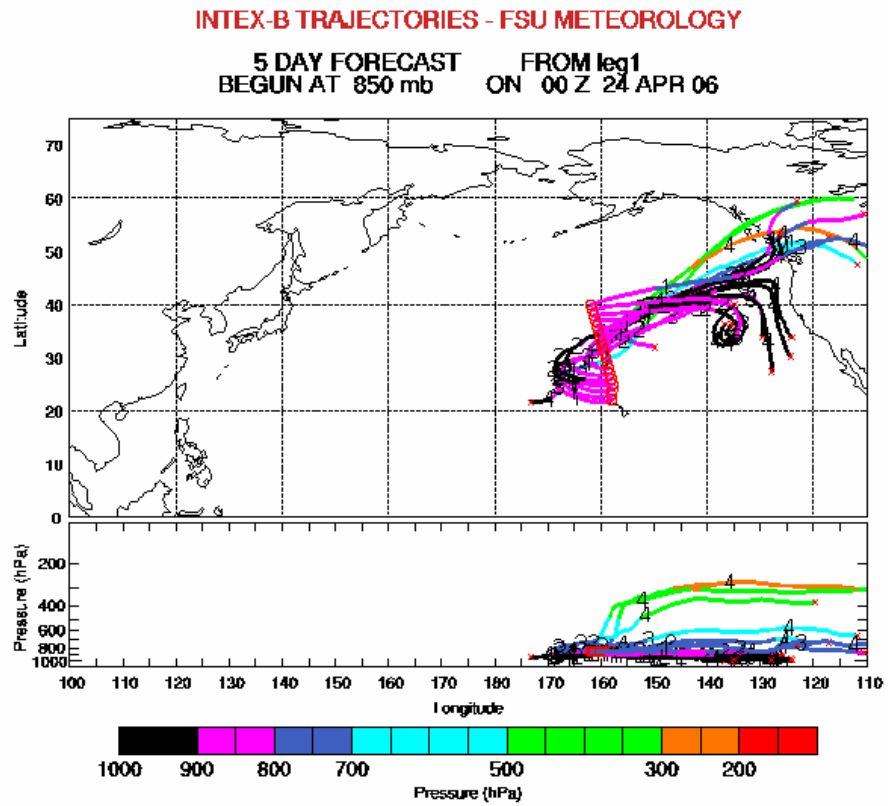
Forward Trajectories from China





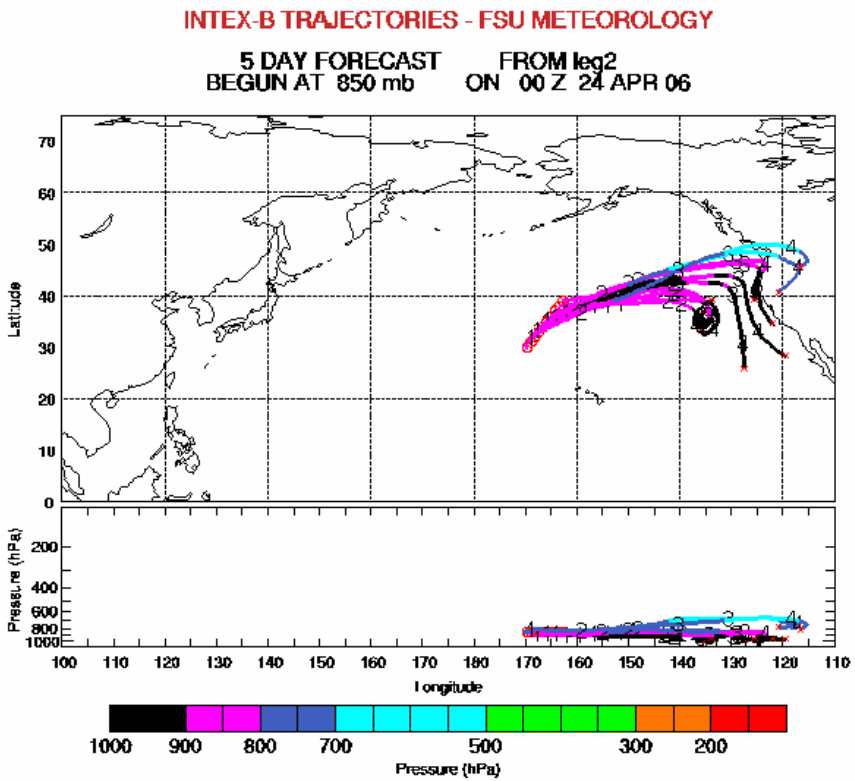
Forward Trajectories from DC8 Sunday Flight

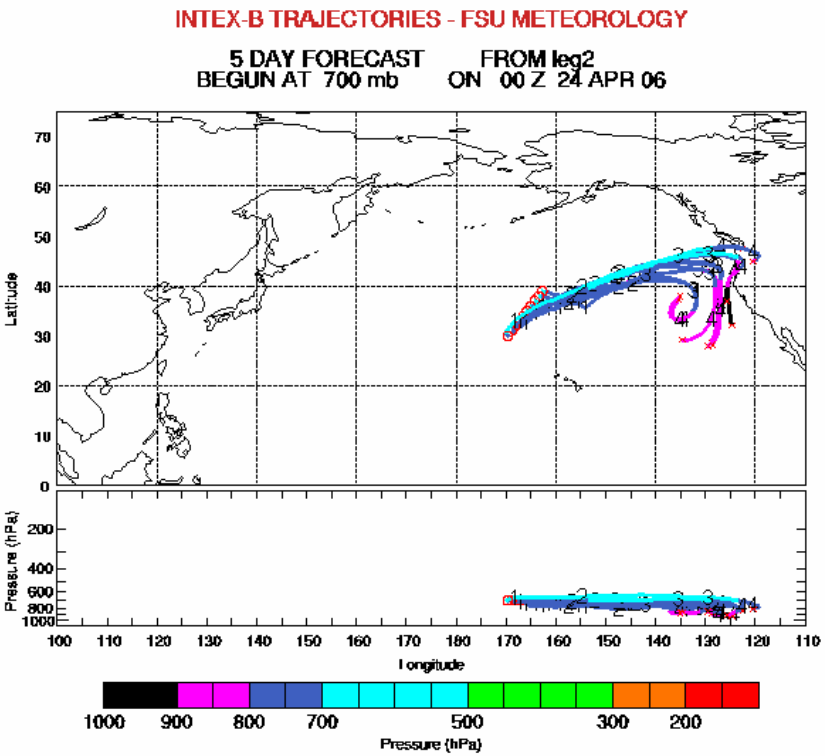




To our NW late Thurs

Forward Trajectories from DC8 Sunday Flight

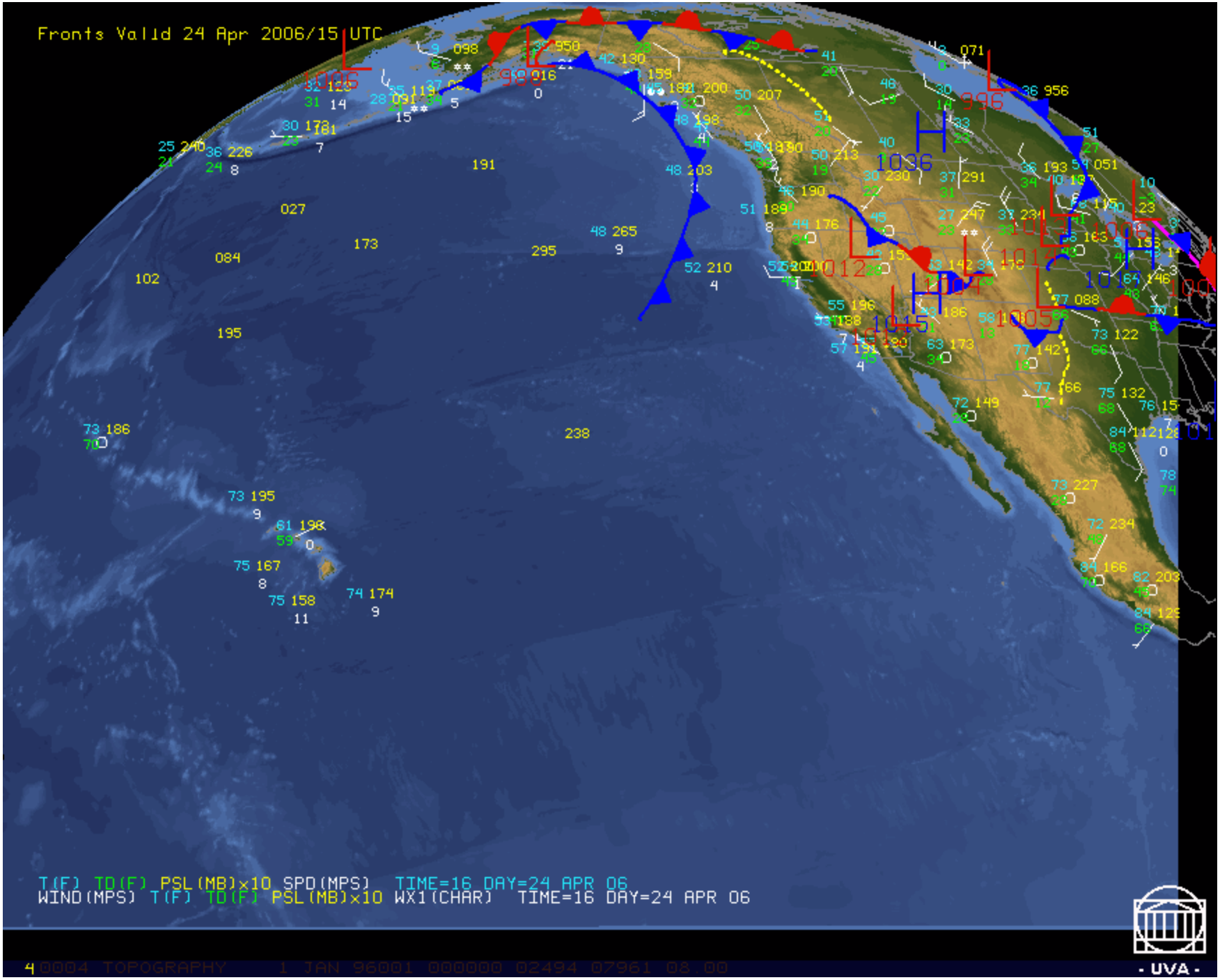




To our NW late Thurs

Local Weather

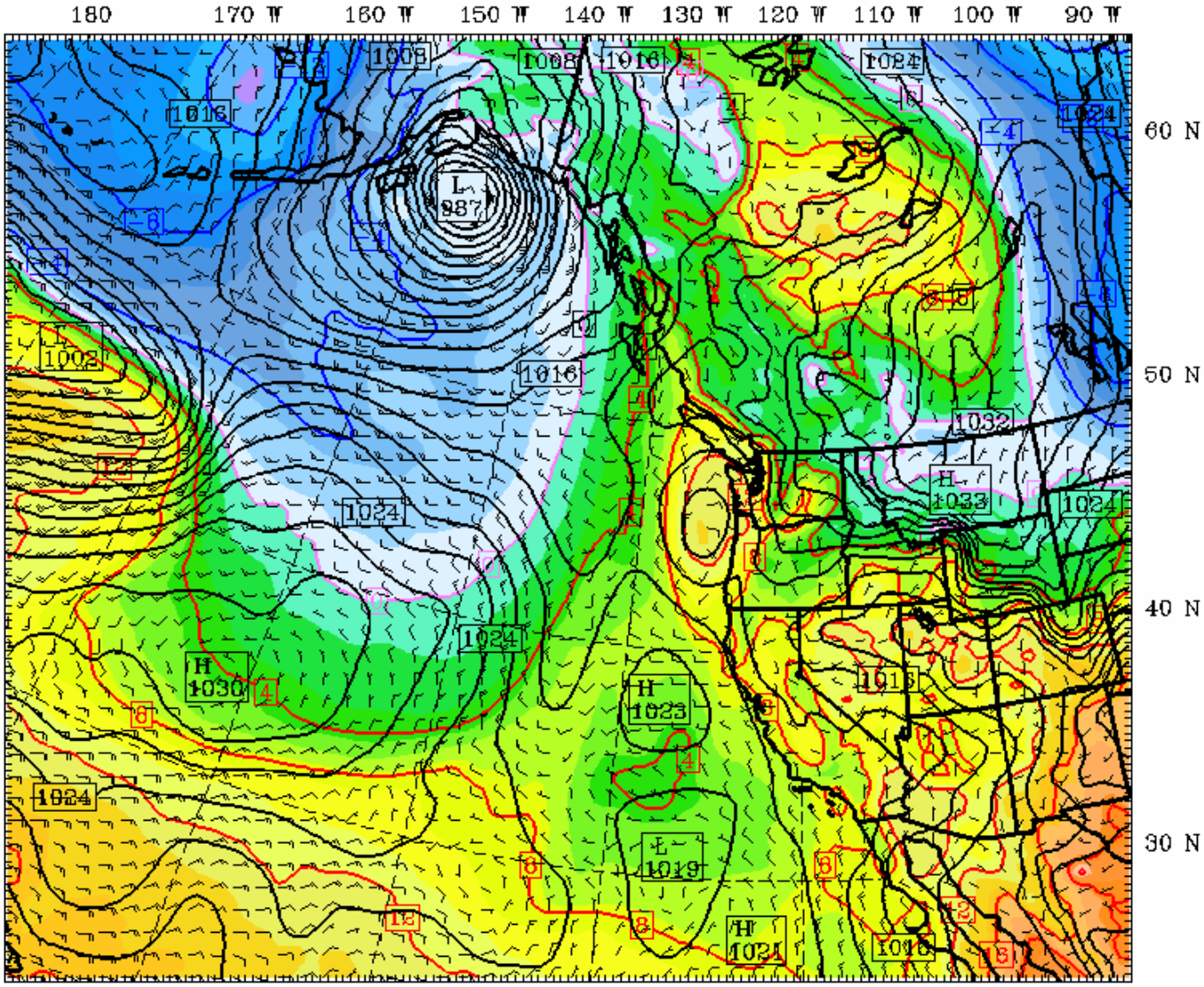
Today	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday
Partly Cloudy	Partly Cloudy	Mostly Cloudy	Mostly Cloudy	Mostly Cloudy	Partly Cloudy	Partly Cloudy	Mostly Clear	Mostly Sunny
Hi 70°F	Lo 45°F	Hi 62°F	Lo 44°F	Hi 60°F	Lo 45°F	Hi 61°F	Lo 45°F	Hi 63°F
PoP 0%	PoP 10%	PoP 10%	PoP 10%	PoP 10%	PoP 10%	PoP 10%	PoP 10%	PoP 10%


Fronts Valid 24 Apr 2006/15 UTC
T(F) TD(F) PSL(MB)x10 SPD(MPS) TIME=16 DAY=24 APR 06
WIND(MPS) T(F) TD(F) PSL(MB)x10 WX1(CHAR) TIME=16 DAY=24 APR 06
4 0004 TOPOGRAPHY 1 JAN 96001 000000 02494 07961 08.00
- UVA -

UW MM5-Eta 36km Domain
Fcst: 0 h

Init: 12 UTC Mon 24 Apr 06
Valid: 12 UTC Mon 24 Apr 06 (05 PDT Mon 24 Apr 06)

Temperature at 925 mb (°C)
Sea Level Pressure (hPa)
Wind at 10m (full barb = 10kts)



CONTOURS: UNITS=hPa LOW= 988.00 HIGH= 1032.0 INTERVAL= 2.0000
CONTOURS: UNITS=°C LOW= -12.000 HIGH= 24.000 INTERVAL= 4.0000

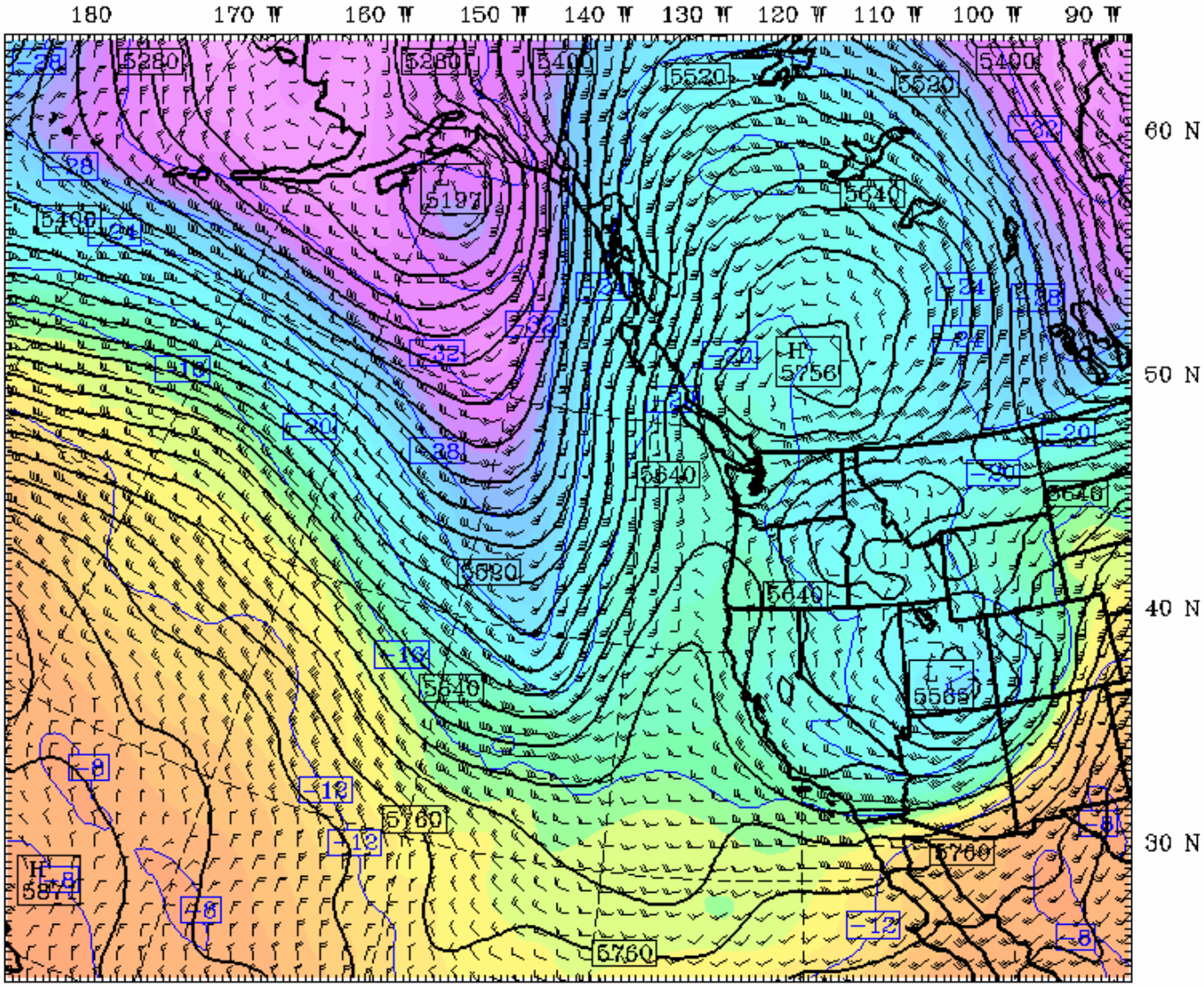
-31.5 -27 -22.5 -18 -13.5 -9 -4.5 0 4.5 9 13.5 18 22.5 27 31.5 36 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

UW MM5-Eta 36km Domain
Fcst: 0 h

Init: 12 UTC Mon 24 Apr 06
Valid: 12 UTC Mon 24 Apr 06 (05 PDT Mon 24 Apr 06)

Temperature at 500mb (°C)
Geopotential Height at 500mb (m)
Wind at 500mb (full barb = 10kts)



CONTOURS: UNITS=m LOW= 5220.0 HIGH= 5850.0 INTERVAL= 30.000
CONTOURS: UNITS=°C LOW= -32.000 HIGH= -8.0000 INTERVAL= 4.0000

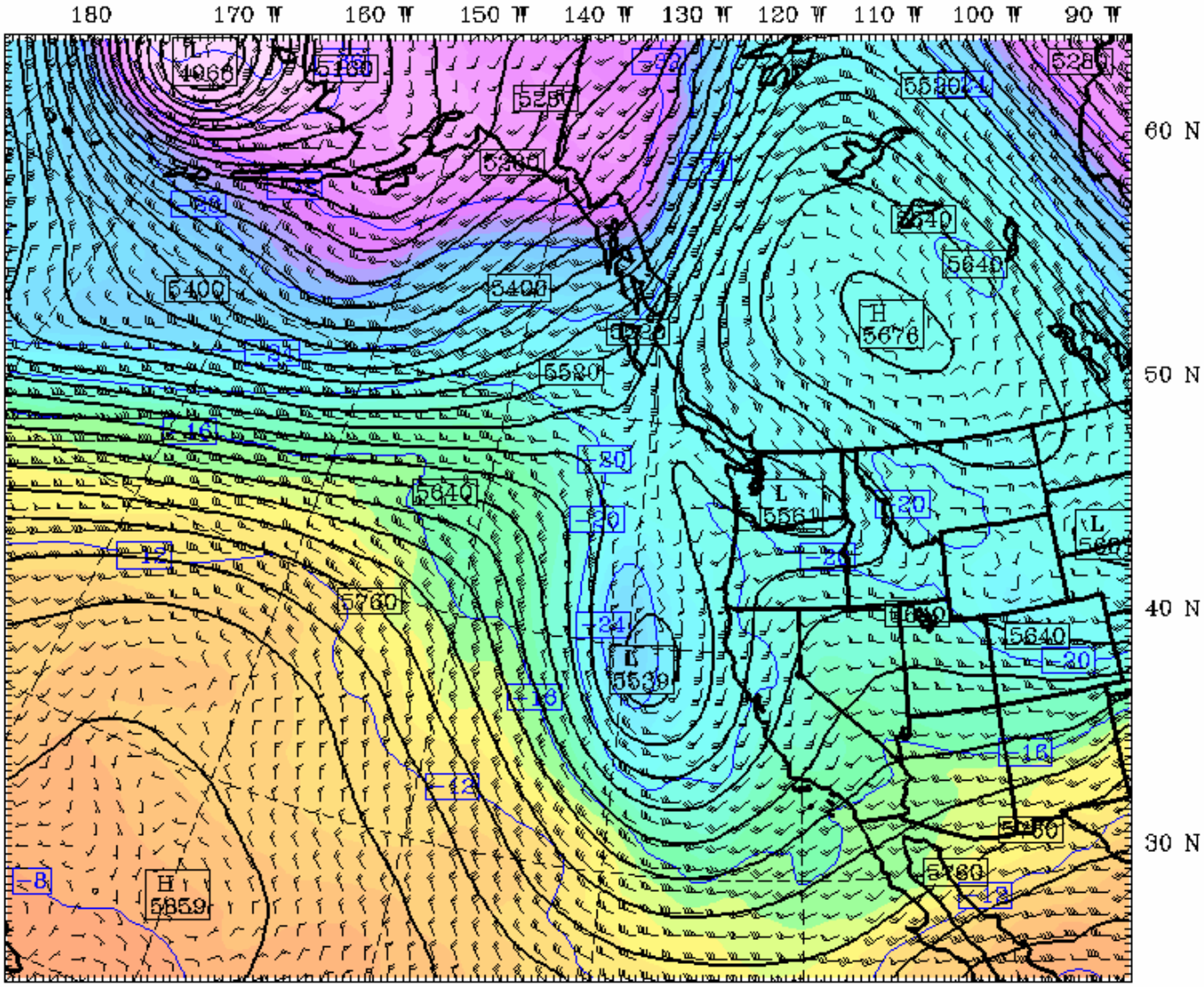
-45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

UW MM5-Eta 36km Domain
Fcst: 24 h

Init: 12 UTC Mon 24 Apr 06
Valid: 12 UTC Tue 25 Apr 06 (05 PDT Tue 25 Apr 06)

Temperature at 500mb (°C)
Geopotential Height at 500mb (m)
Wind at 500mb (full barb = 10kts)



CONTOURS: UNITS=m LOW= 4980.0 HIGH= 5850.0 INTERVAL= 30.000
CONTOURS: UNITS=°C LOW= -40.000 HIGH= -8.0000 INTERVAL= 4.0000

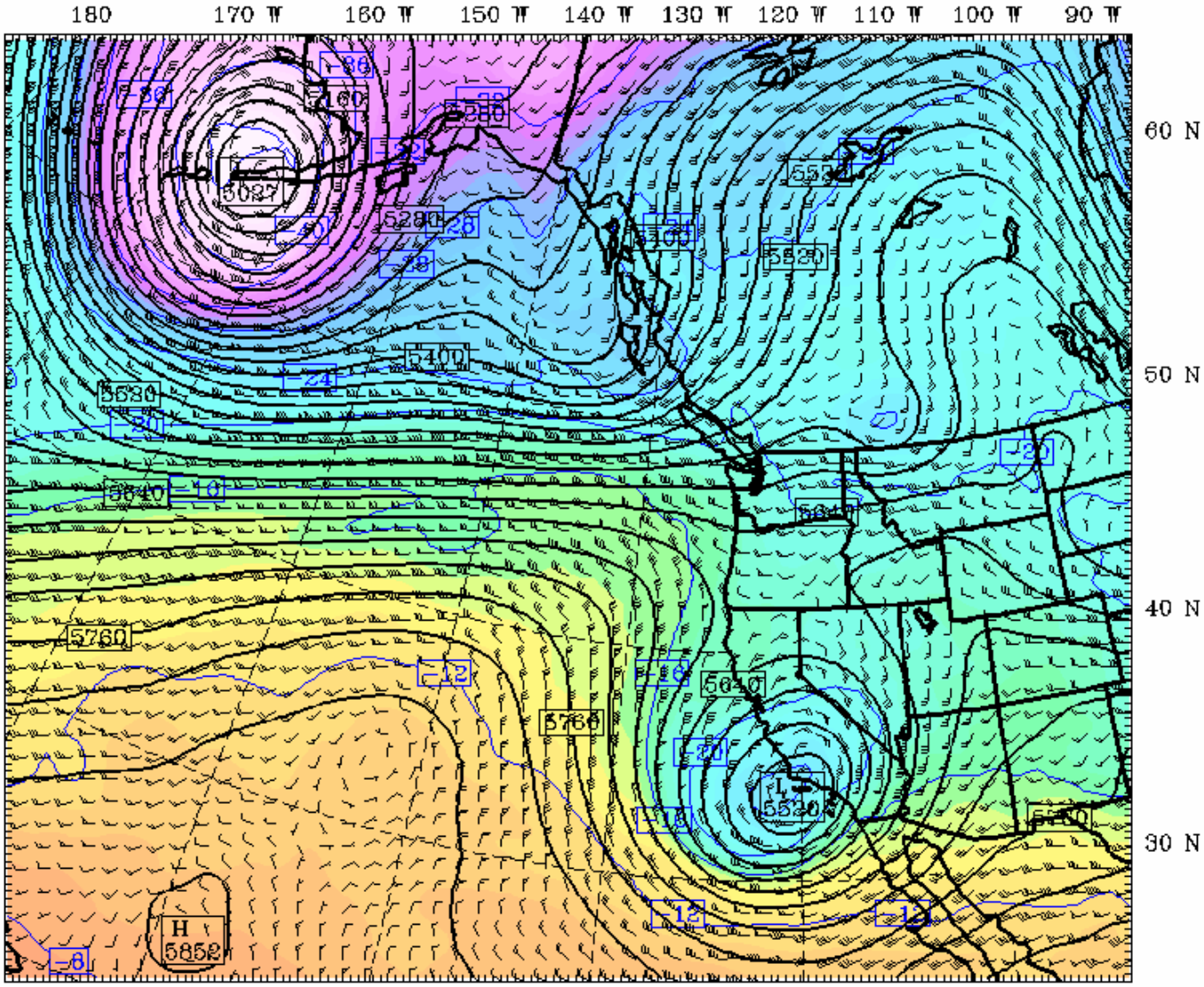
-45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

UW MM5-Eta 36km Domain
Fcst: 48 h

Init: 12 UTC Mon 24 Apr 06
Valid: 12 UTC Wed 26 Apr 06 (05 PDT Wed 26 Apr 06)

Temperature at 500mb (°C)
Geopotential Height at 500mb (m)
Wind at 500mb (full barb = 10kts)

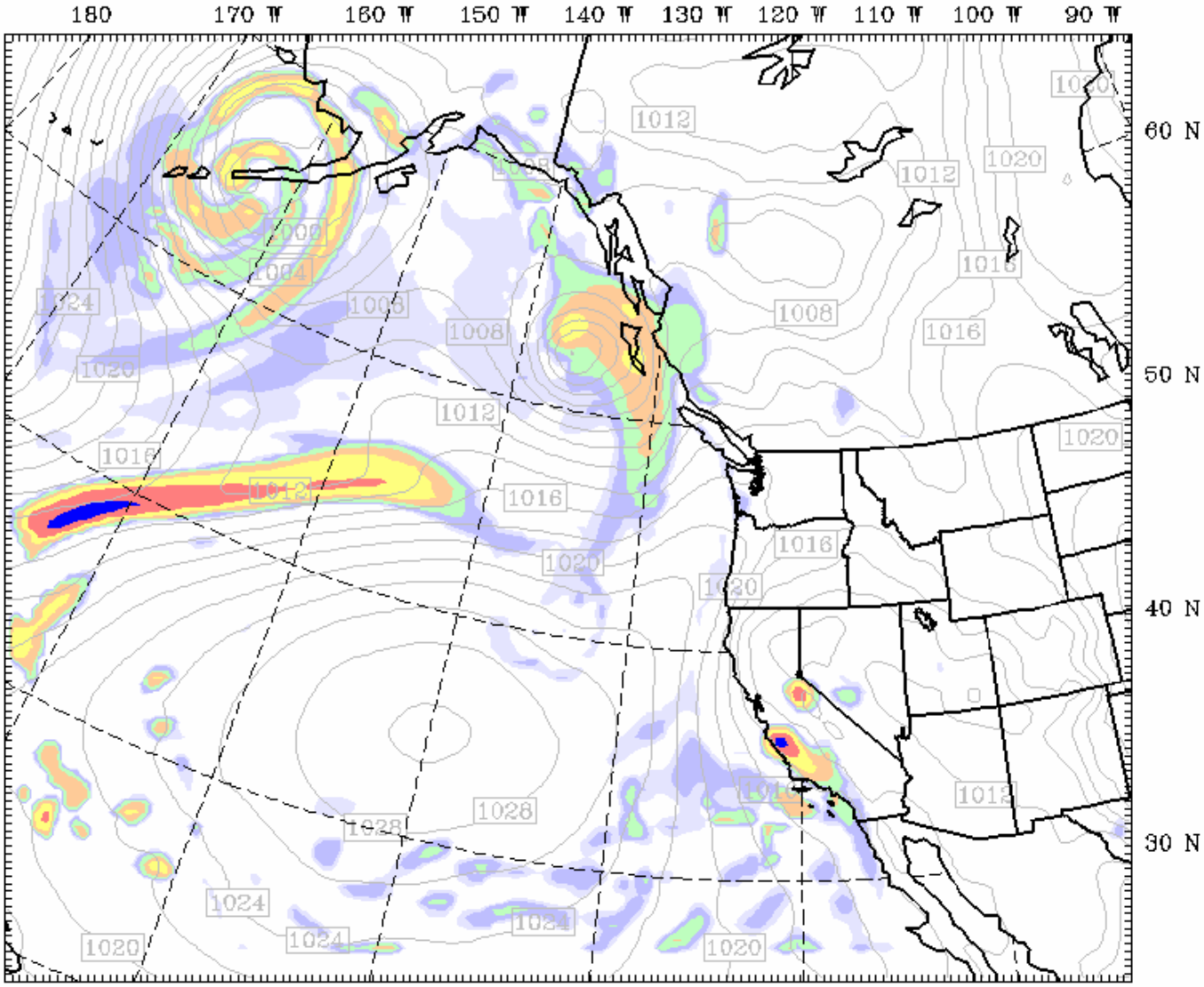


CONTOURS: UNITS=m LOW= 5040.0 HIGH= 5850.0 INTERVAL= 30.000
CONTOURS: UNITS=°C LOW= -44.000 HIGH= -8.0000 INTERVAL= 4.0000

-45 -42 -39 -36 -33 -30 -27 -24 -21 -18 -15 -12 -9 -6 °C

Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec

UW MM5-Eta 36km Domain Init: 12 UTC Mon 24 Apr 06
Fcst: 48 h Valid: 12 UTC Wed 26 Apr 06 (05 PDT Wed 26 Apr 06)
Total Precip in past 3 hrs (.01in)
Sea Level Pressure (hPa)

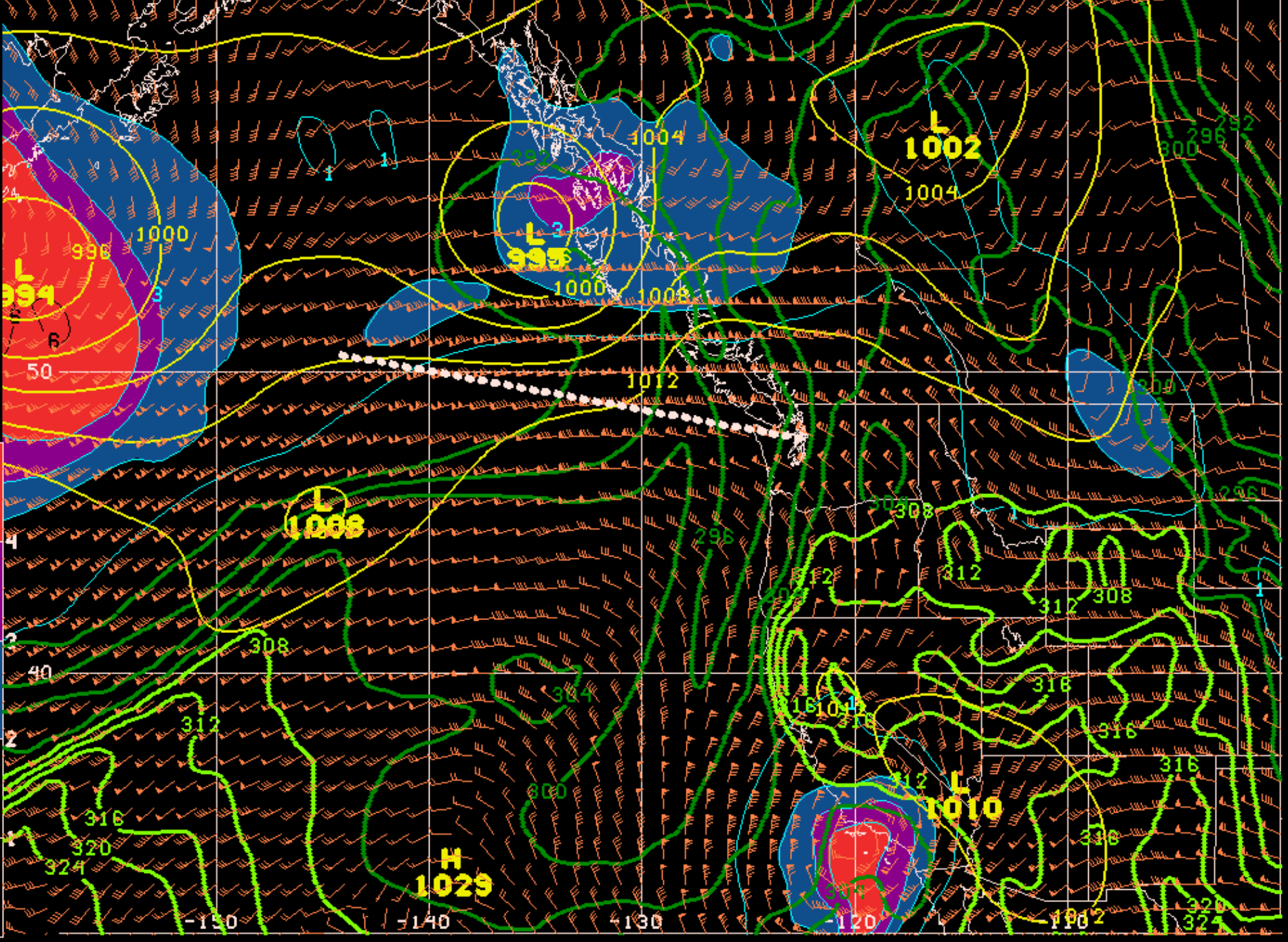


CONTOURS: UNITS=hPa LOW= 996.00 HIGH= 1032.0 INTERVAL= 2.0000

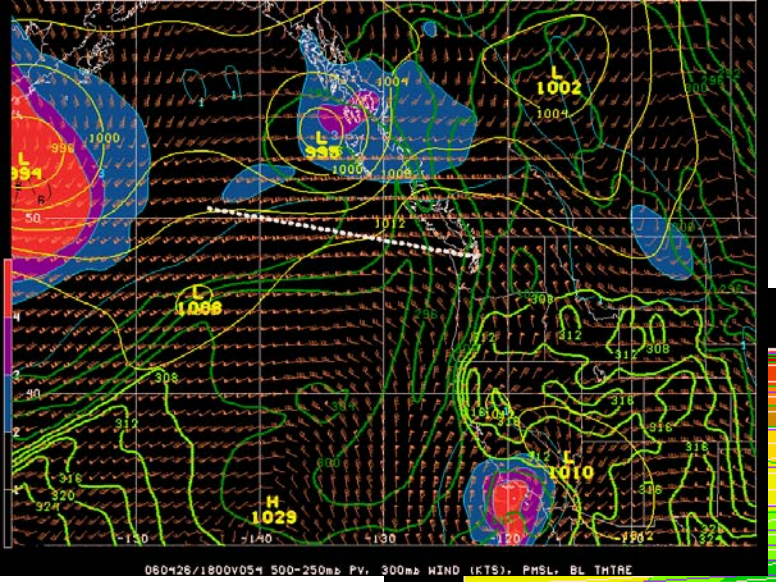
1/100 inch

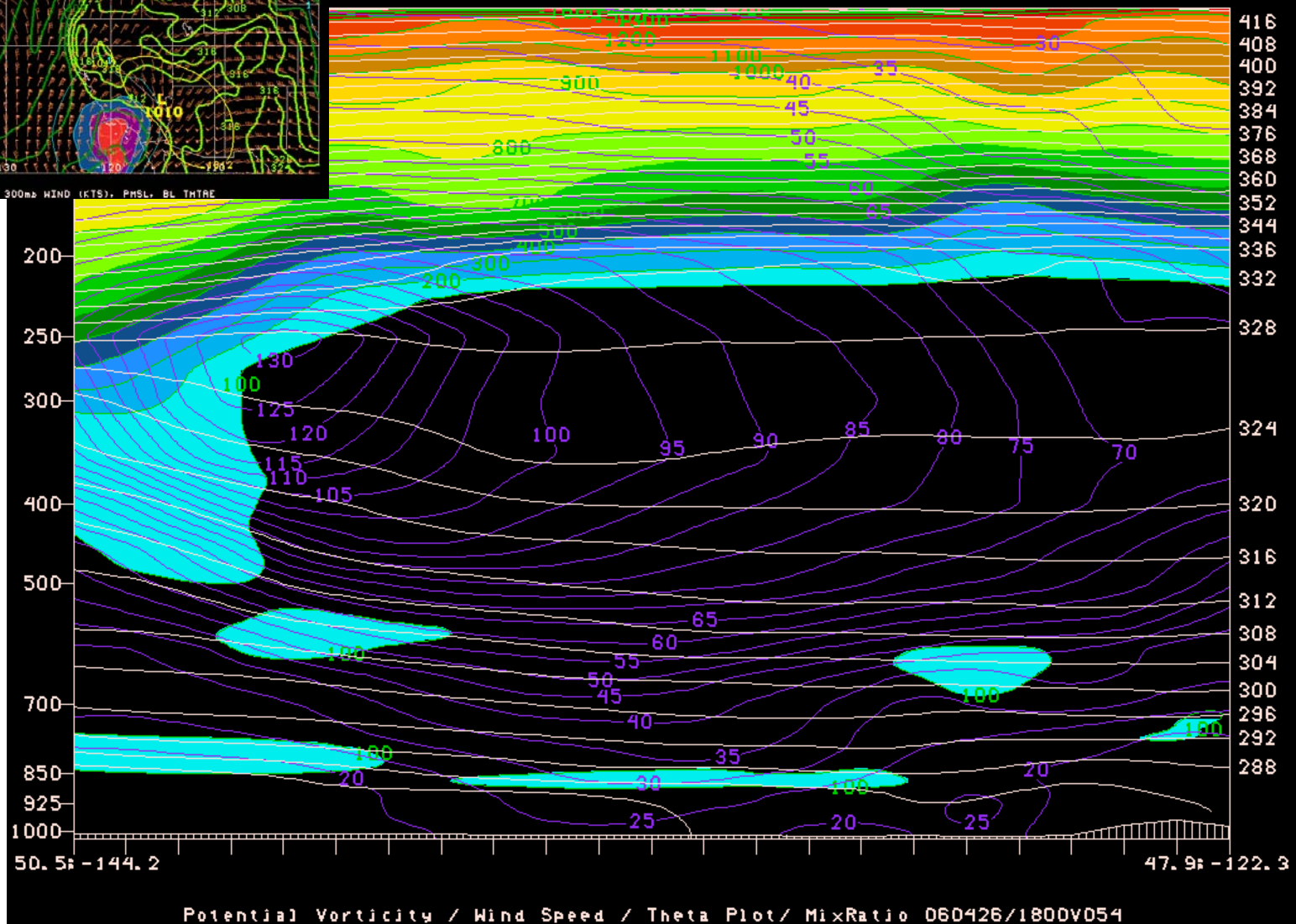
.5 1 2 4 8 16 32 64 128 256 512 1024 2048

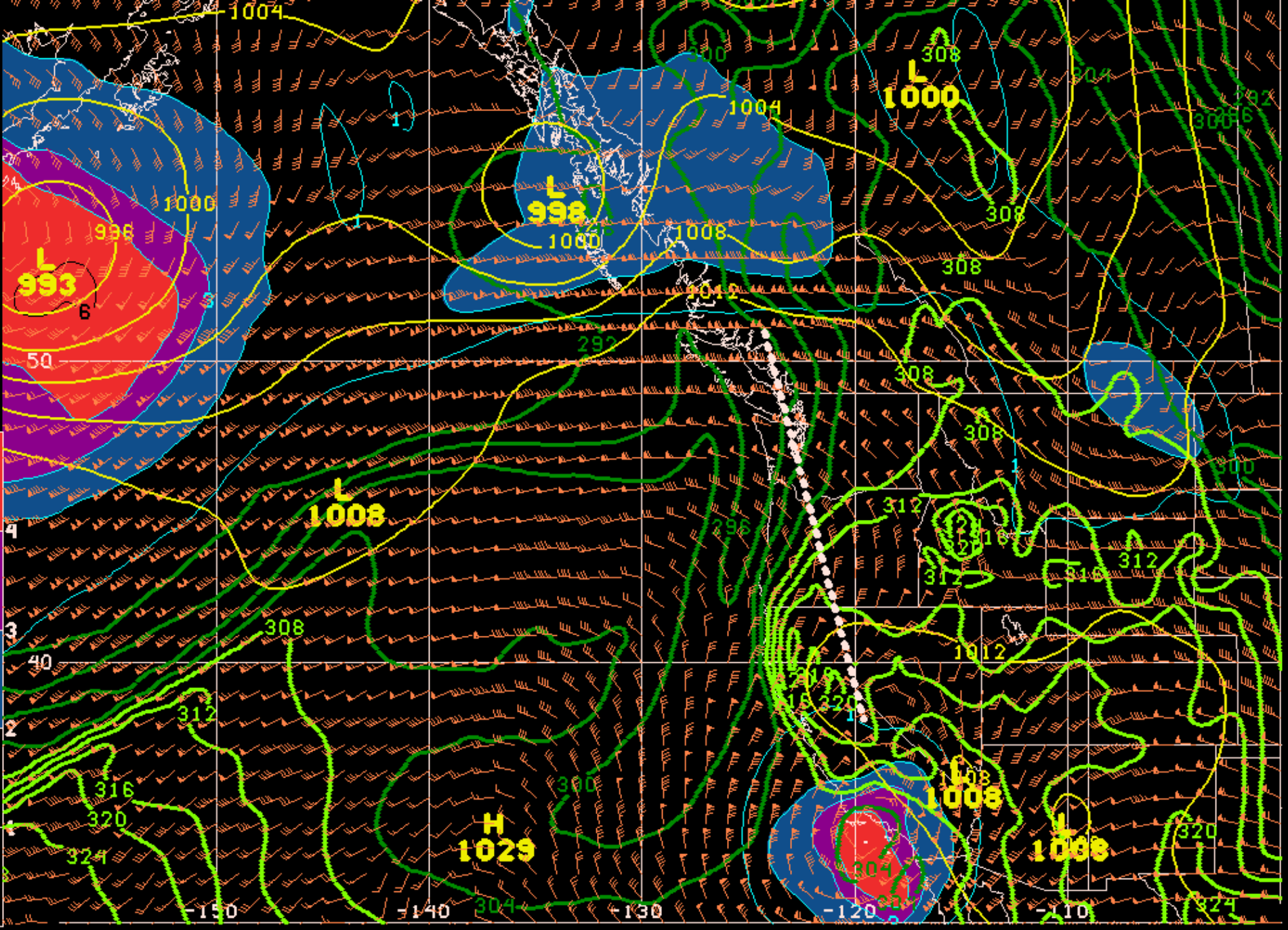
Model info: V3.5.0 Kain-Frsch MRF PBL Simple ice 36 km, 37 levels, 108 sec



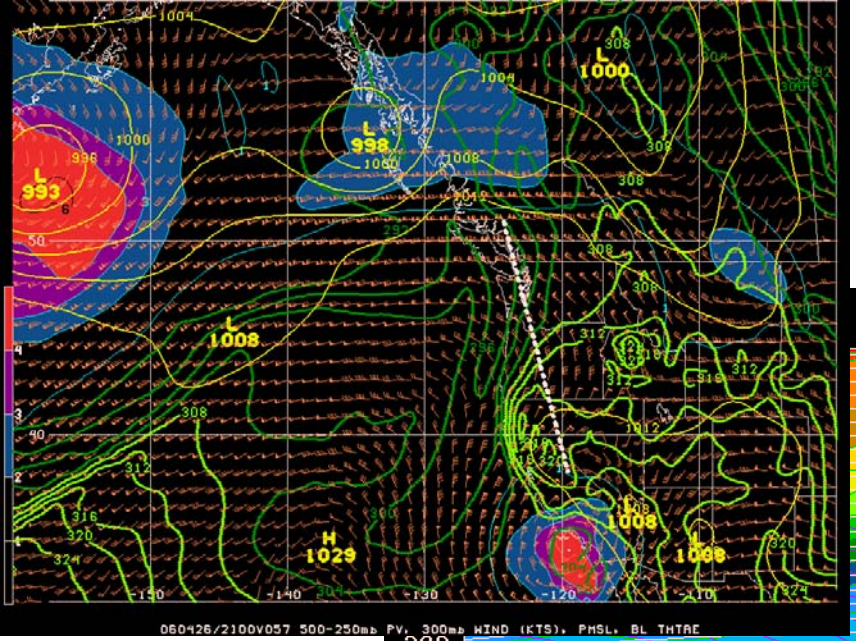
060426/1800V054 500-250mb RV 300mb WIND (KTS) RMSL RL THIRF

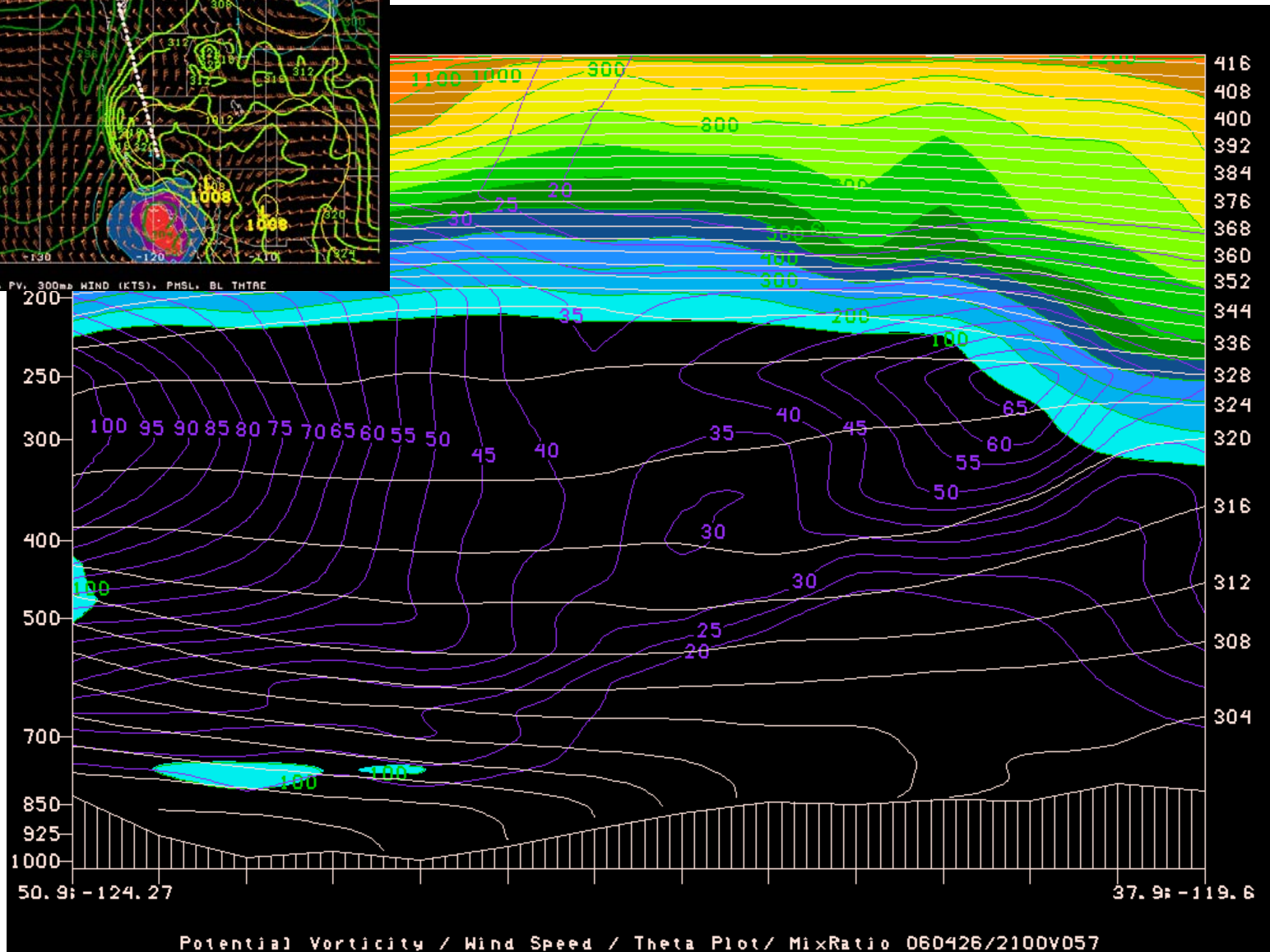

060426/1800V054 500-250mb PV, 300mb WIND (KTS), PMSL, BL THTAE


Potential Vorticity / Wind Speed / Theta Plot/ MixRatio 060426/1800V054
50.5 -144.2
47.9 -122.3



060426/2100V057 500-250mb PV, 300mb WIND (KTS), PMSL, BL THTAE


L 993
L 998
L 1000
L 1008
H 1029
060426/2100V057 500-250mb PV, 300mb WIND (KTS), PMSL, BL THTAE


200
250
300
400
500
700
850
925
1000
416
408
400
392
384
376
368
360
352
344
336
328
324
320
316
312
308
304
50.9: -124.27
37.9: -119.6
Potential Vorticity / Wind Speed / Theta Plot/ MixRatio 060426/2100V057