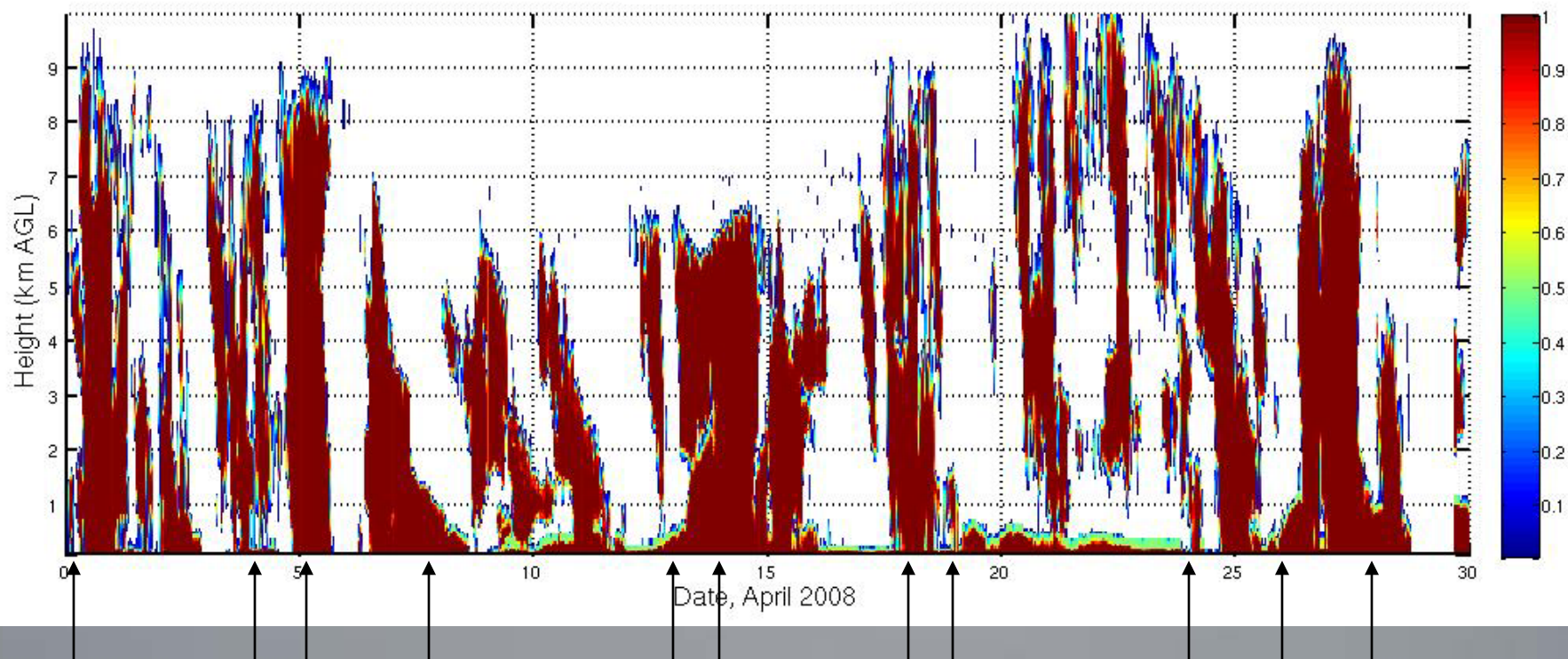
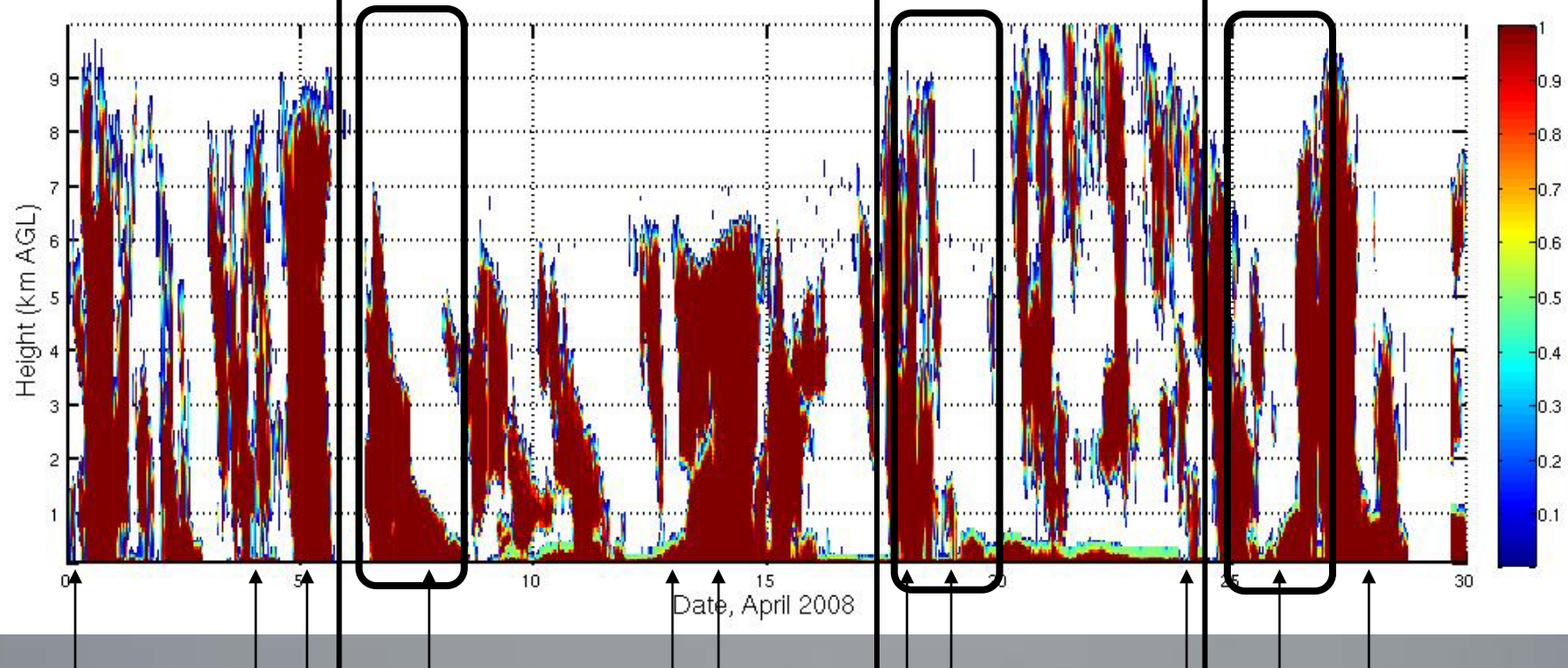
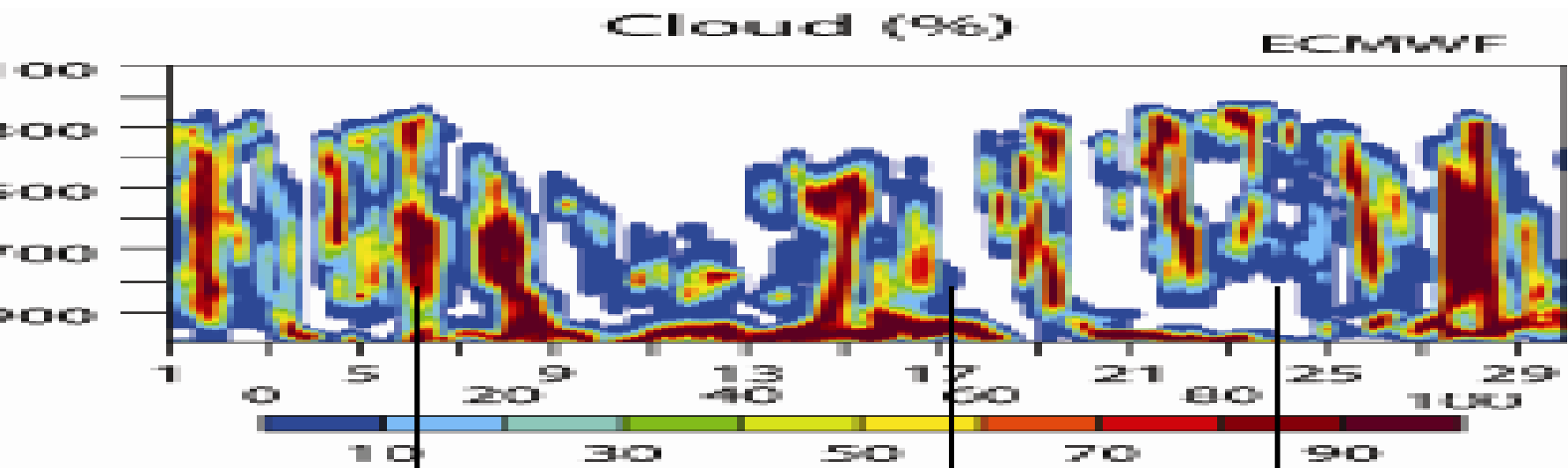


Overview of the ISDAC weather patterns

Hans Verlinde and Chad Bahrmann
NSA Site Scientist Team



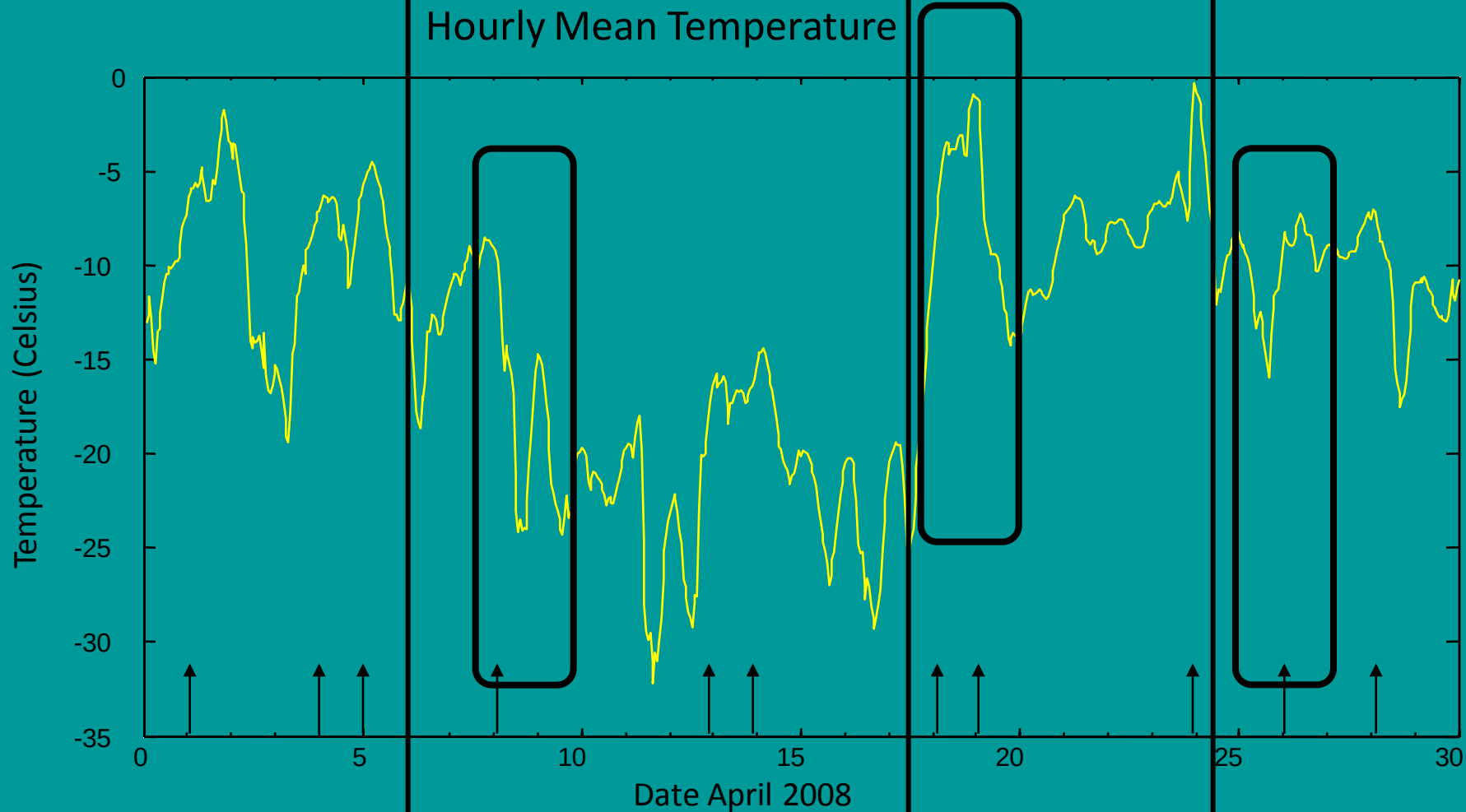


Upper-level trough
in Aleutians -
Bering Strait area

Upper-level jet south
of Alaska – North
Slope in Polar air mass

Omega block
period

Strong Bering
Strait trough
weakening



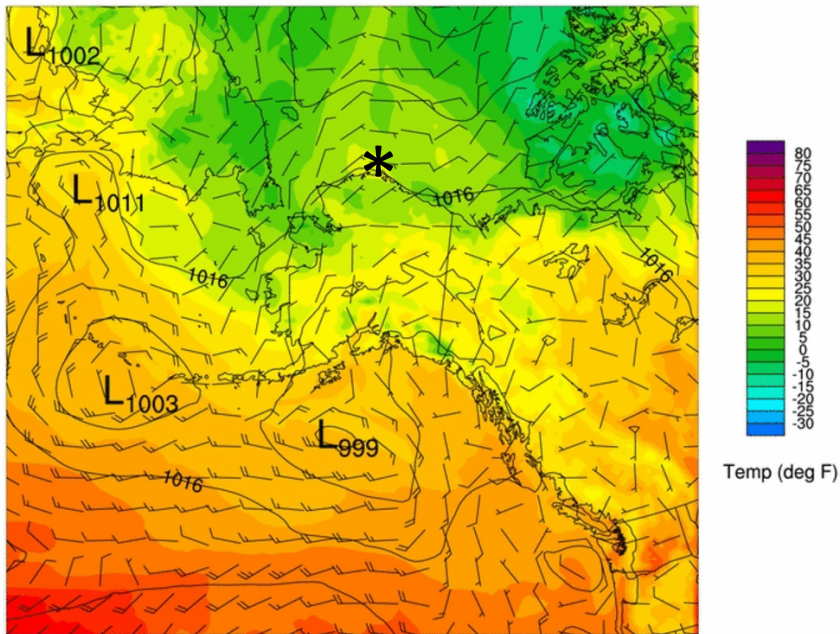
Period 2: Upper air jet south of Alaska

0000 Z April 9

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 0000 UTC Wed 09 Apr 2008

NAM (00z 09 Apr)

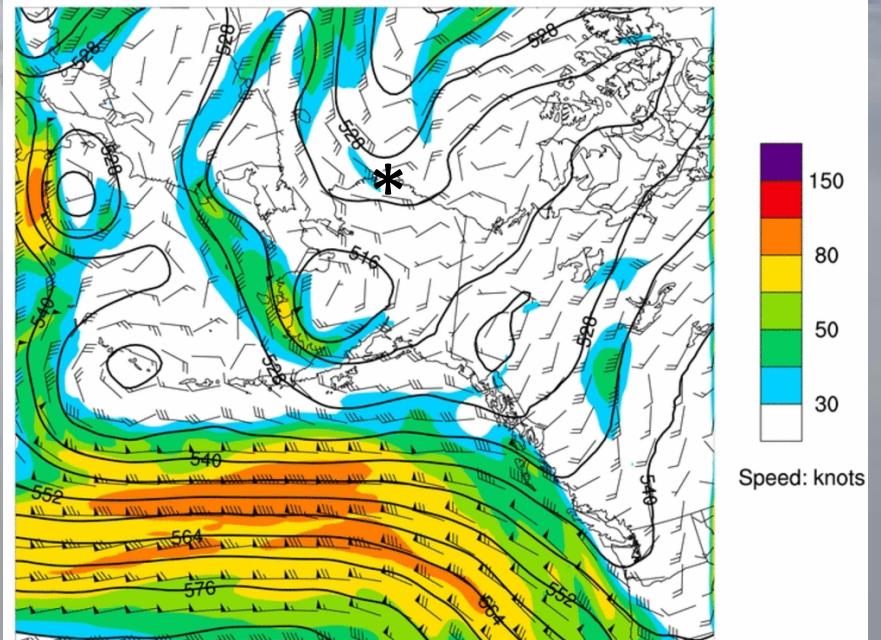


Temp (deg F)

500 mb Wind Speed (knots)/Heights (dm)

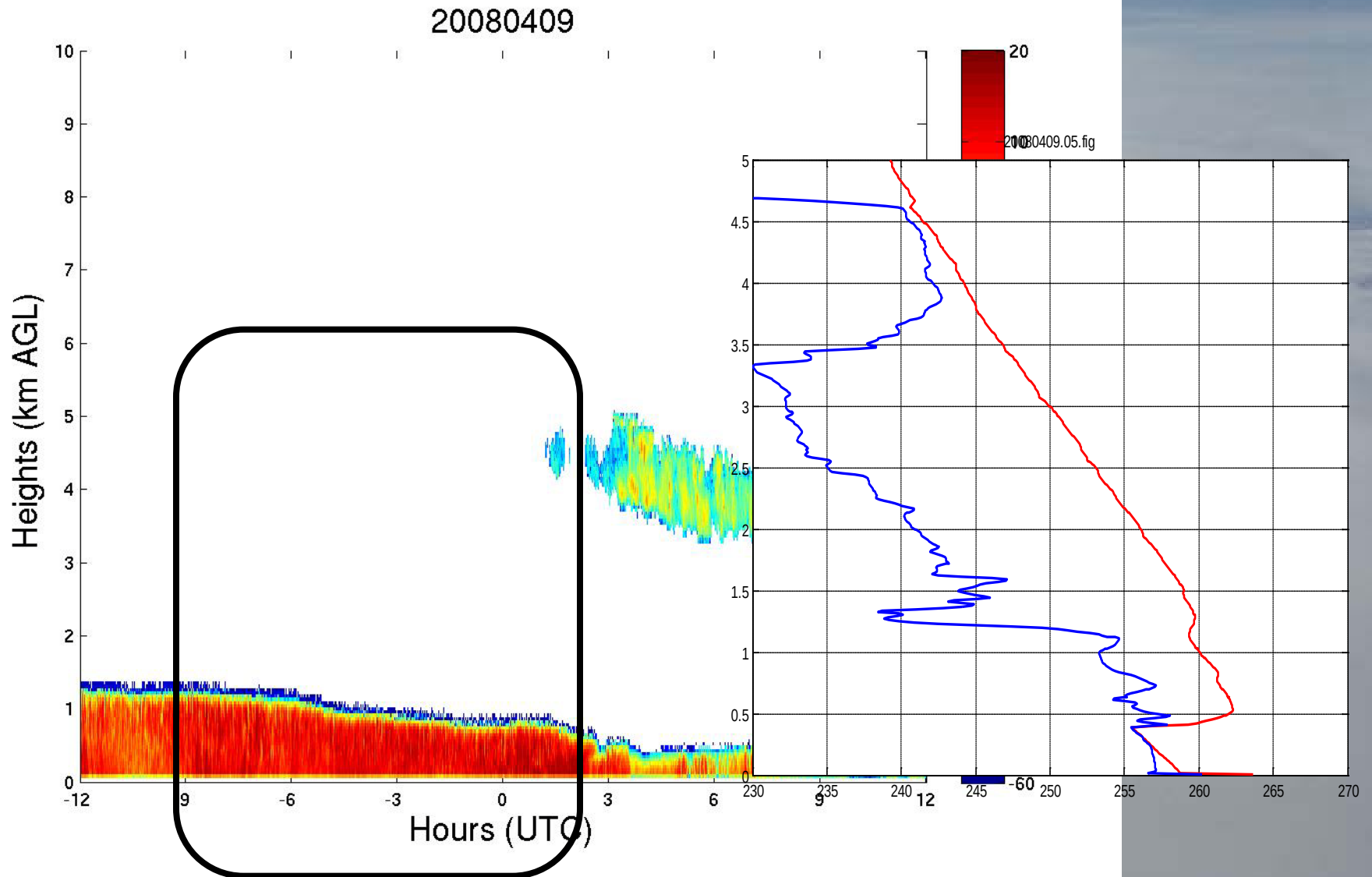
Analysis valid 0000 UTC Wed 09 Apr 2008

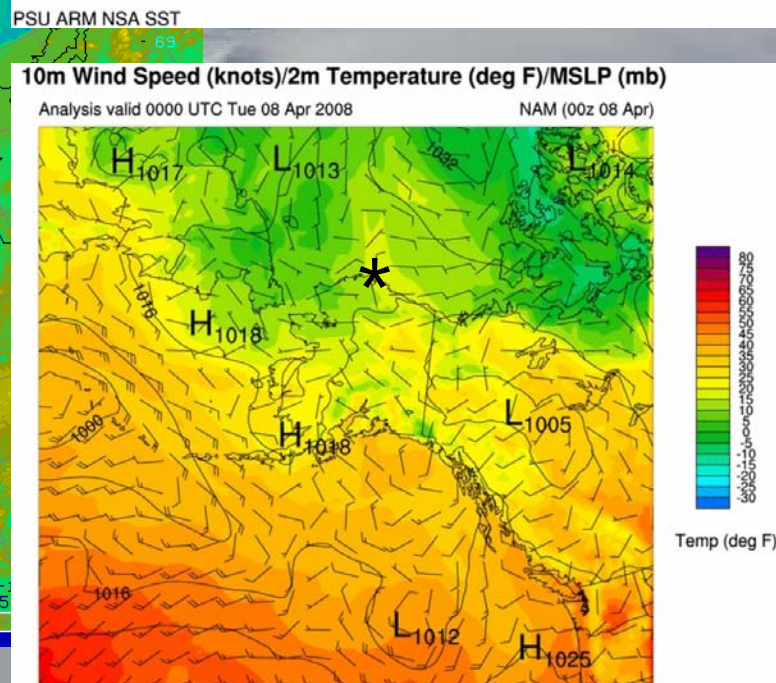
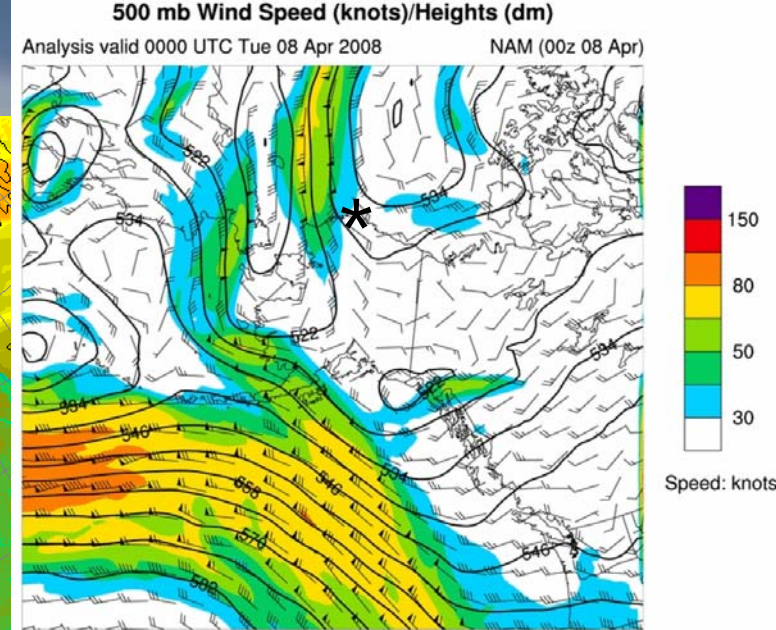
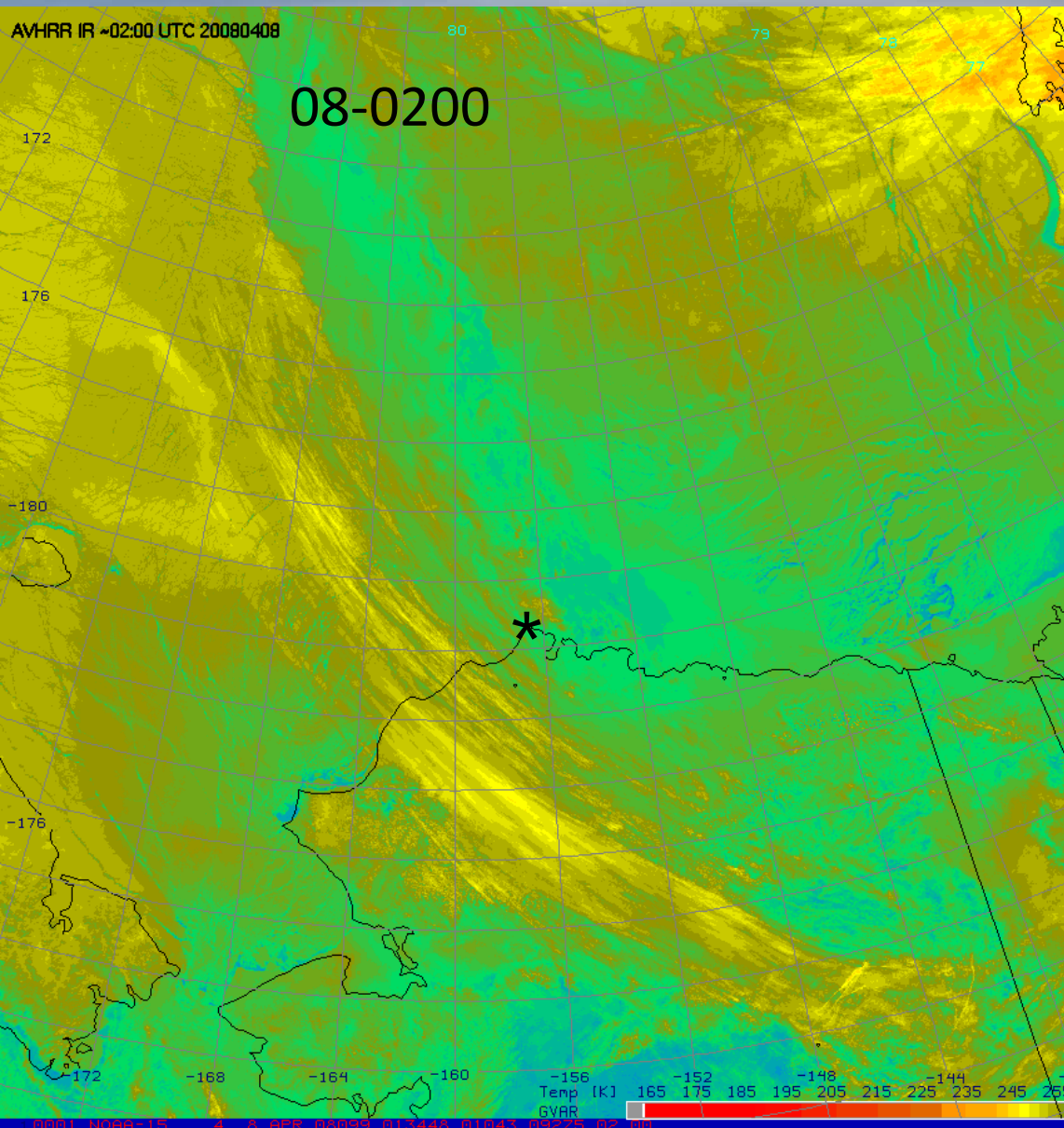
NAM (00z 09 Apr)



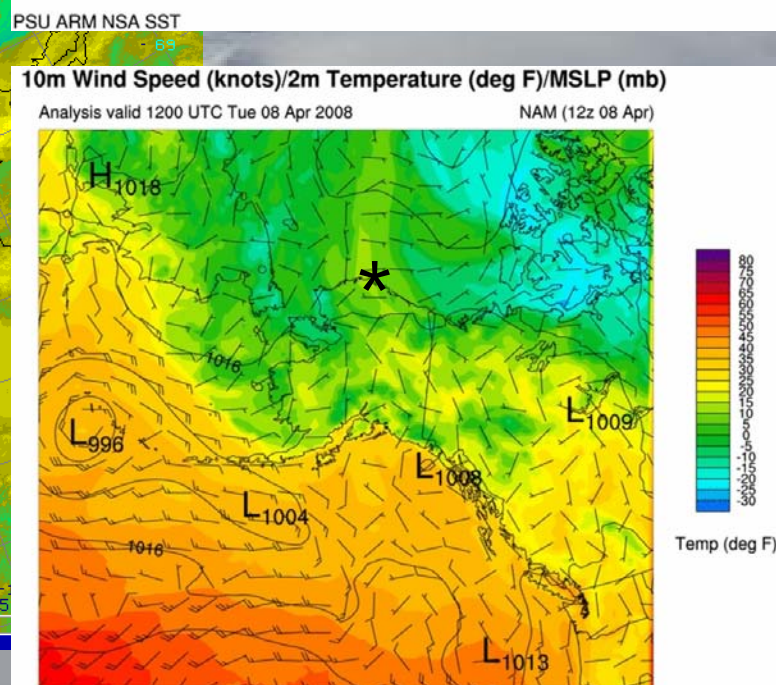
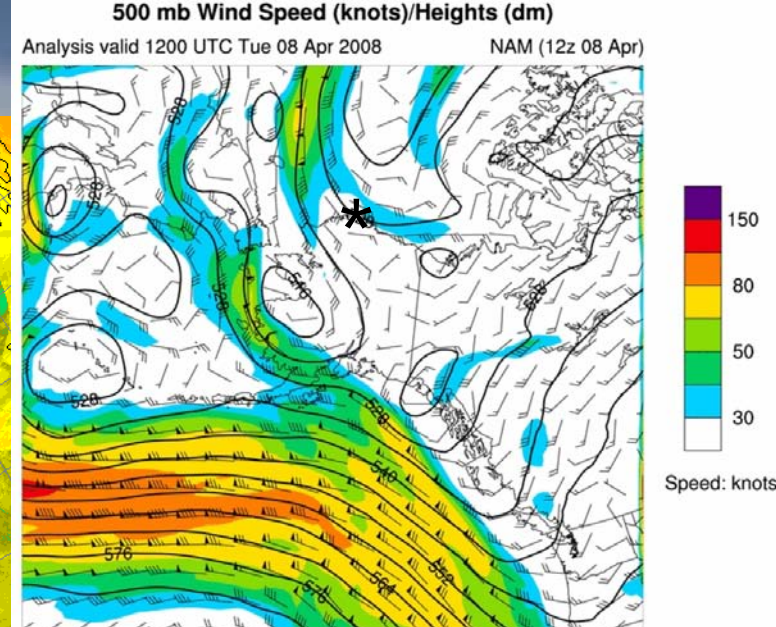
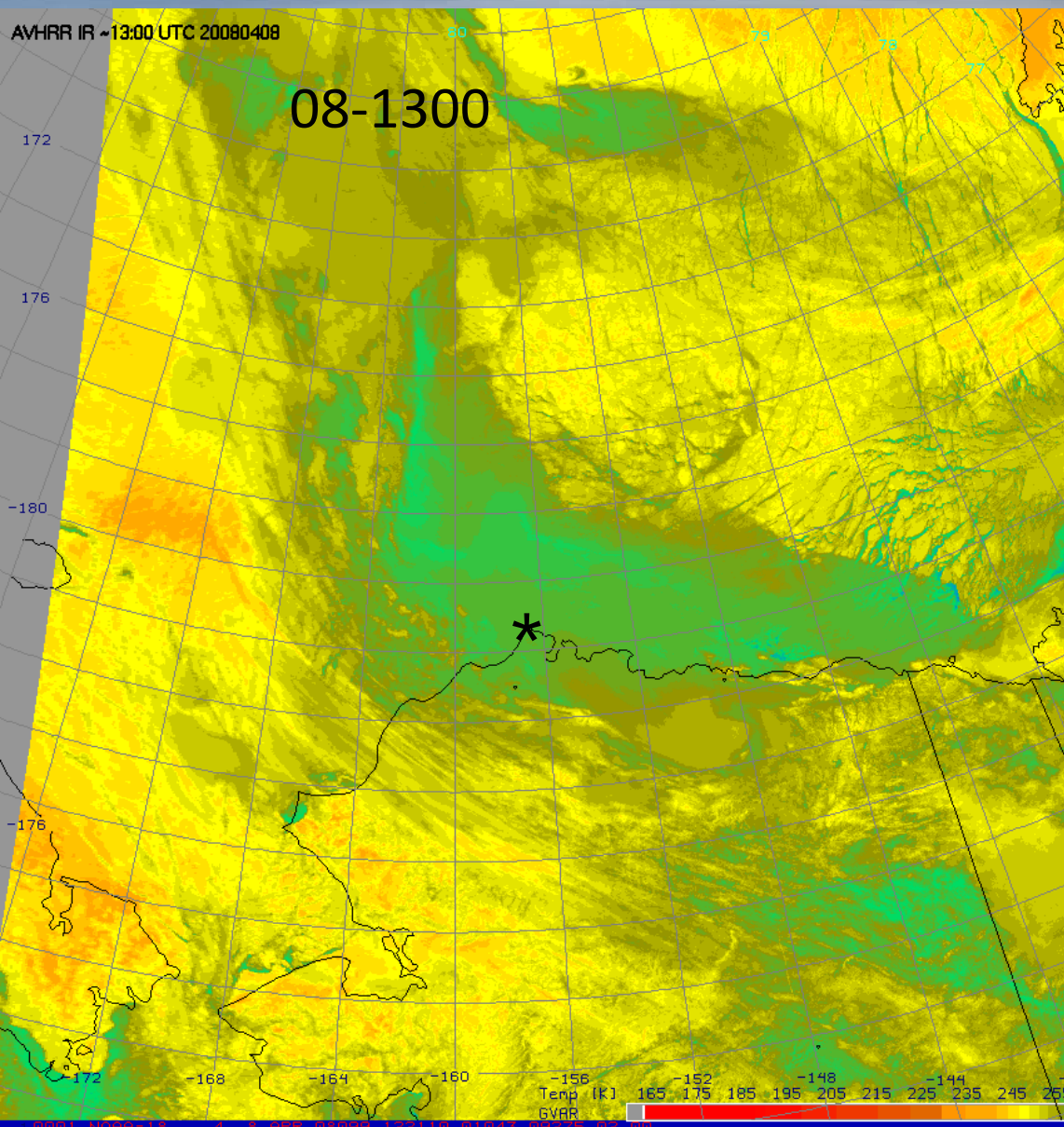
Speed: knots

Golden Case 1

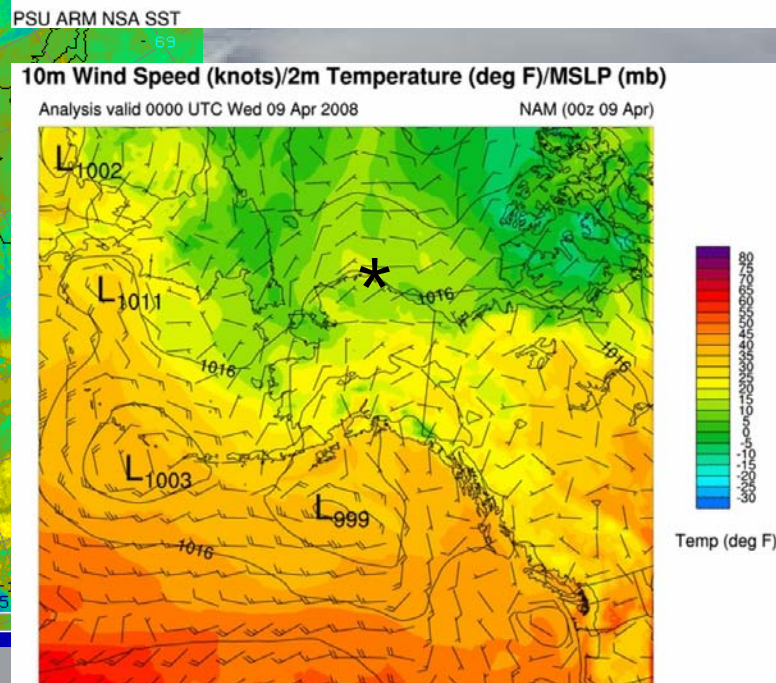
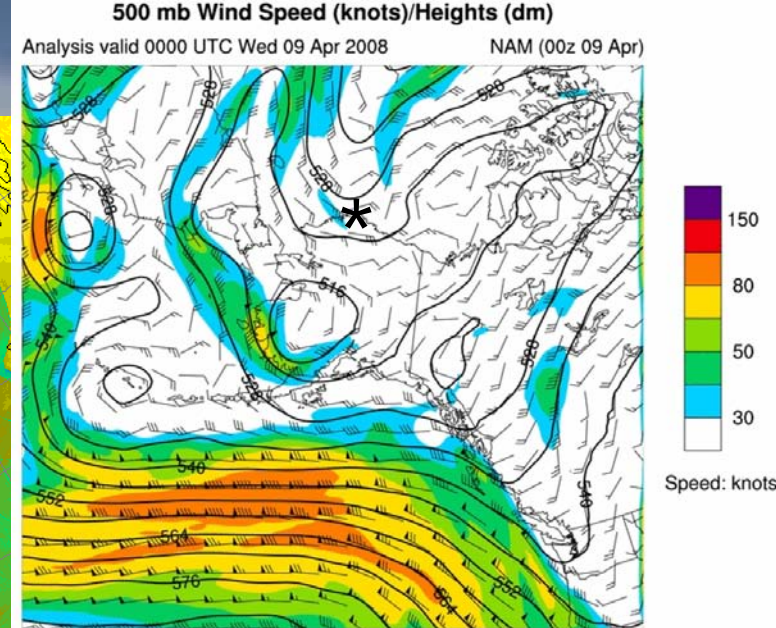
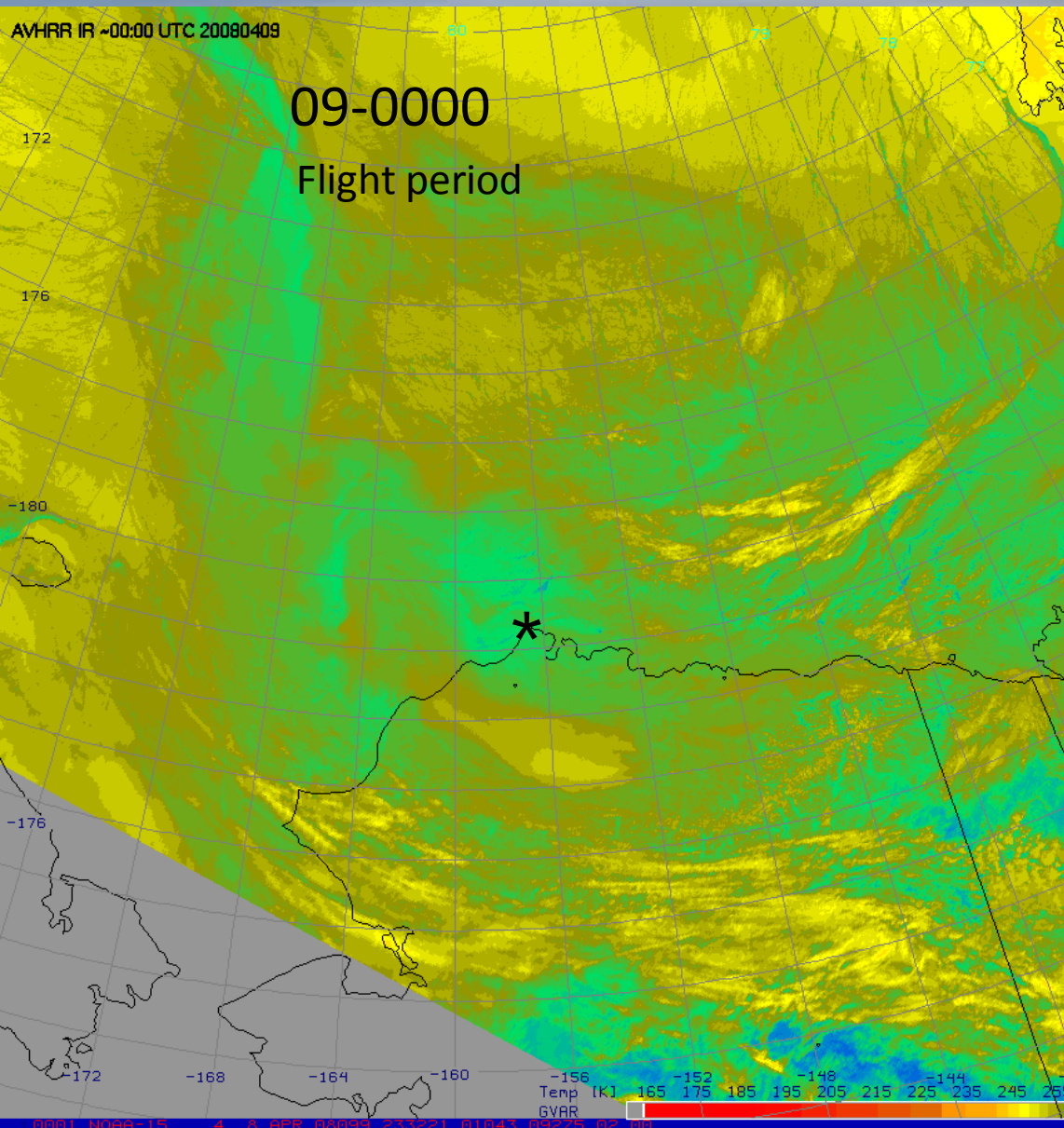




PSU ARM NSA SST



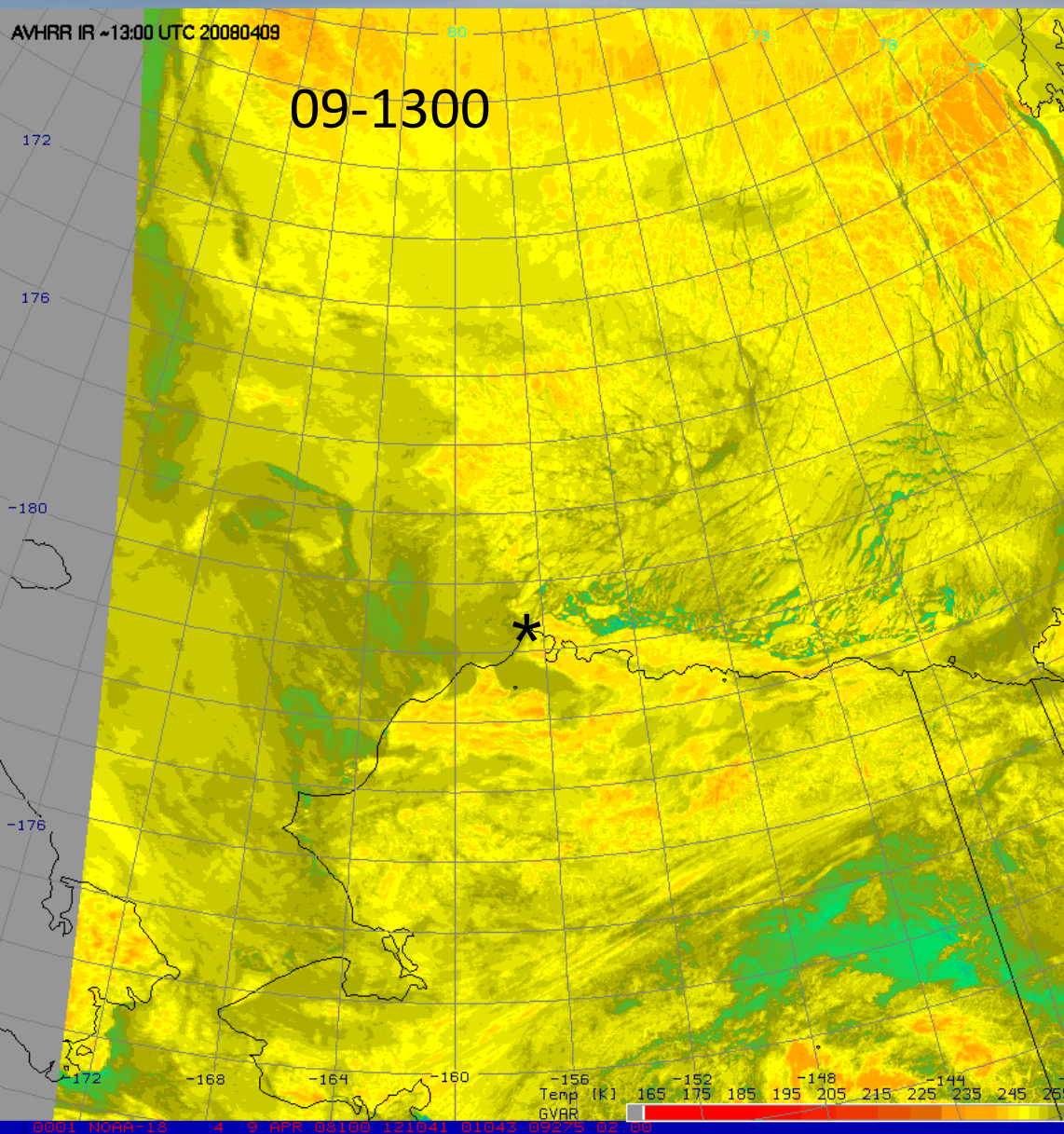
PSU ARM NSA SST



PSU ARM NSA SST

AVHRR IR ~13:00 UTC 20080409

09-1300

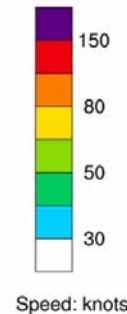
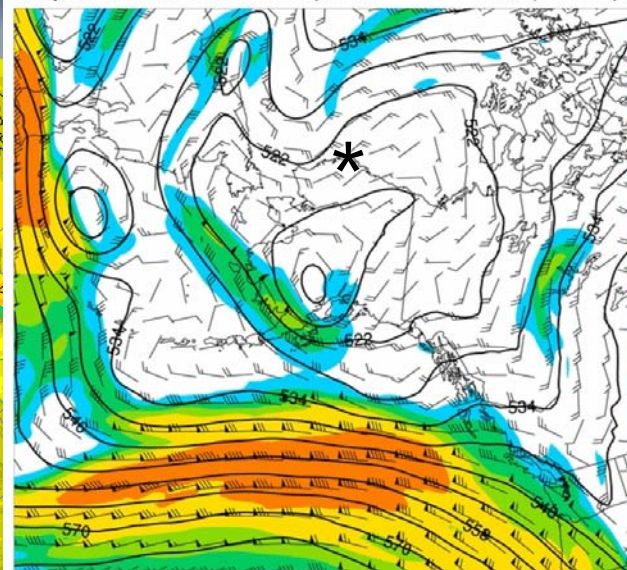


0001 NOAA-18 4 9 APR 08100 121041 01043 09275 02 00

500 mb Wind Speed (knots)/Heights (dm)

Analysis valid 1200 UTC Wed 09 Apr 2008

NAM (12z 09 Apr)



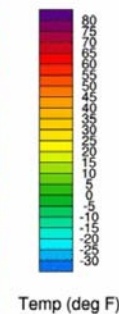
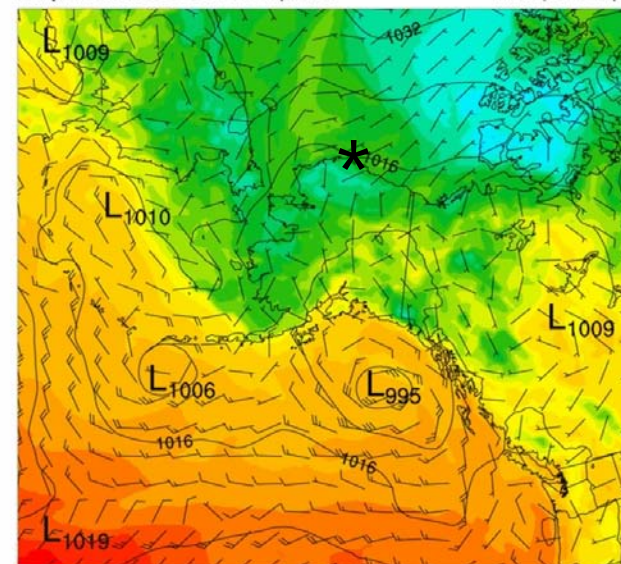
Speed: knots

PSU ARM NSA SST

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 1200 UTC Wed 09 Apr 2008

NAM (12z 09 Apr)



Temp (deg F)

PSU ARM NSA SST

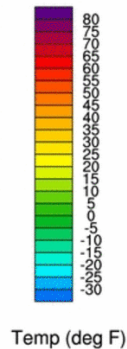
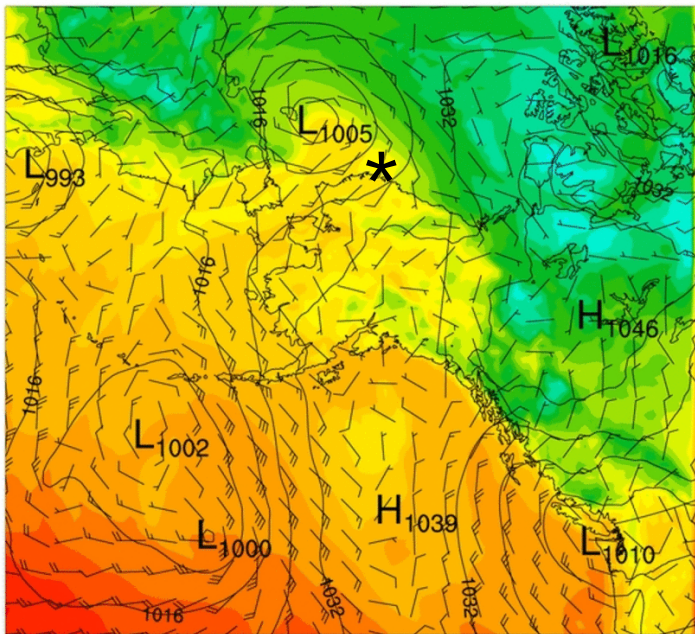
Period 3: Omega block

1200 Z April 19

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 1200 UTC Sat 19 Apr 2008

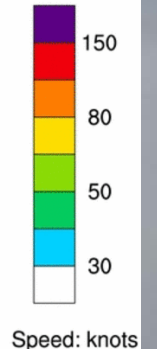
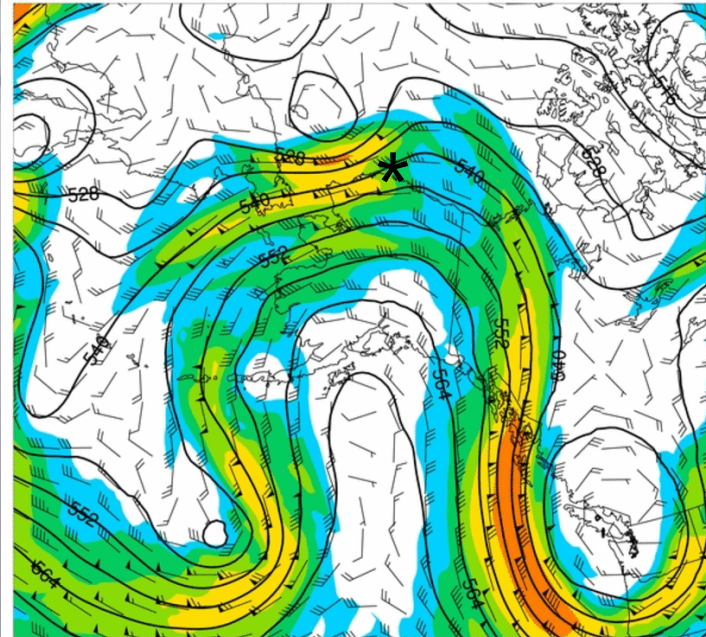
NAM (12z 19 Apr)

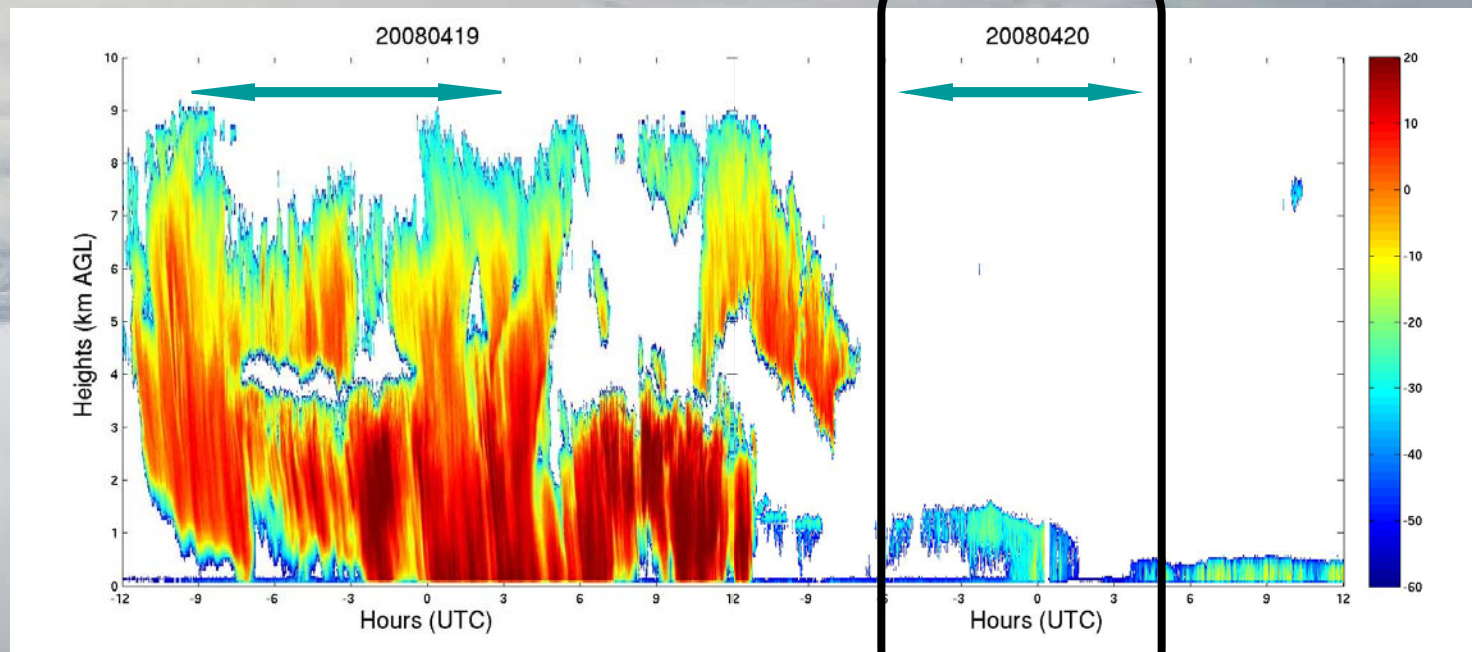


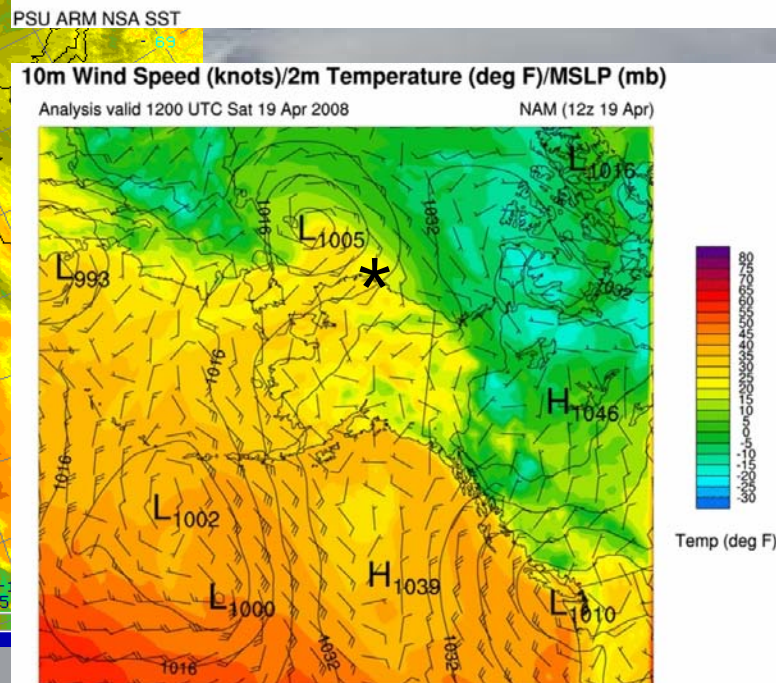
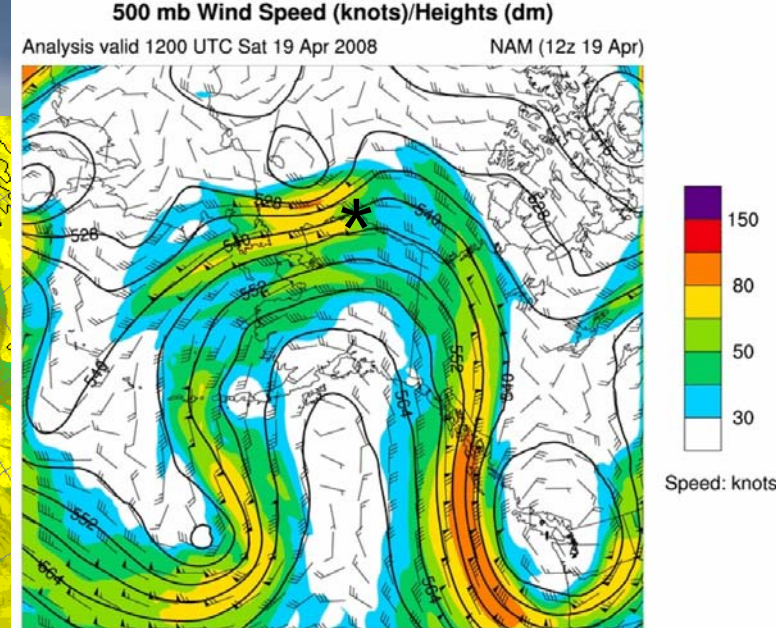
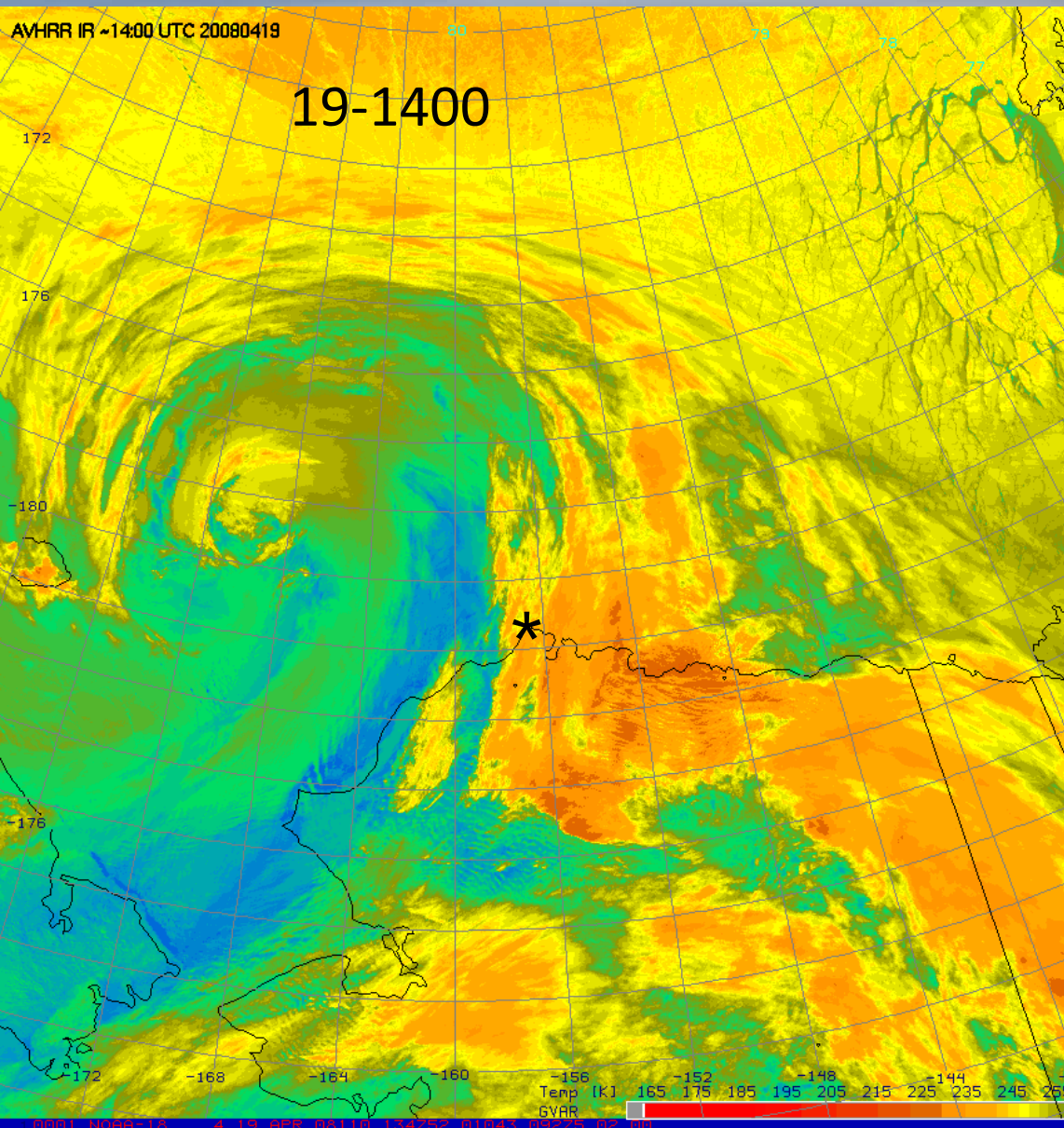
500 mb Wind Speed (knots)/Heights (dm)

Analysis valid 1200 UTC Sat 19 Apr 2008

NAM (12z 19 Apr)



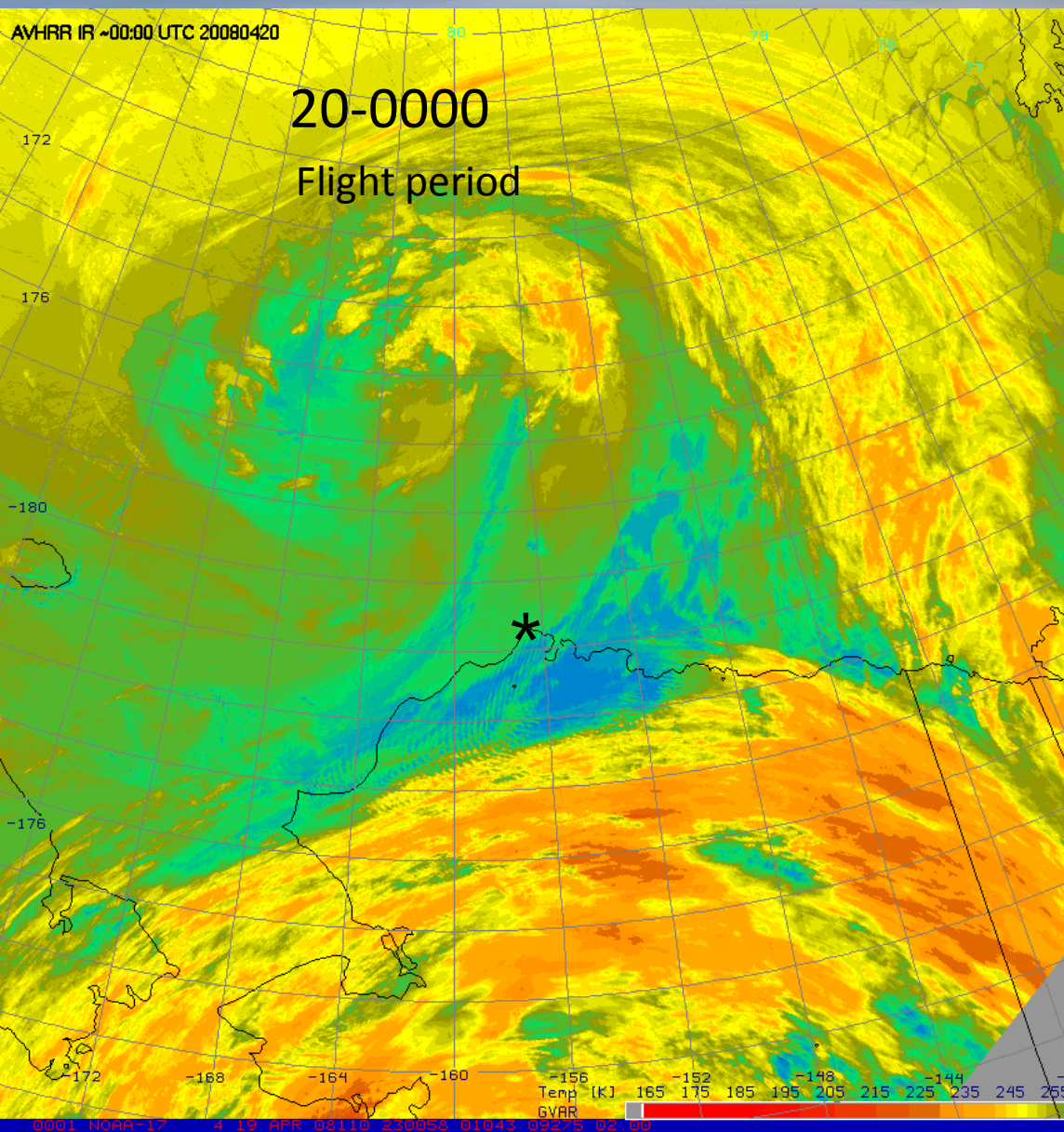




PSU ARM NSA SST

AVHRR IR -00:00 UTC 20080420

20-0000
Flight period

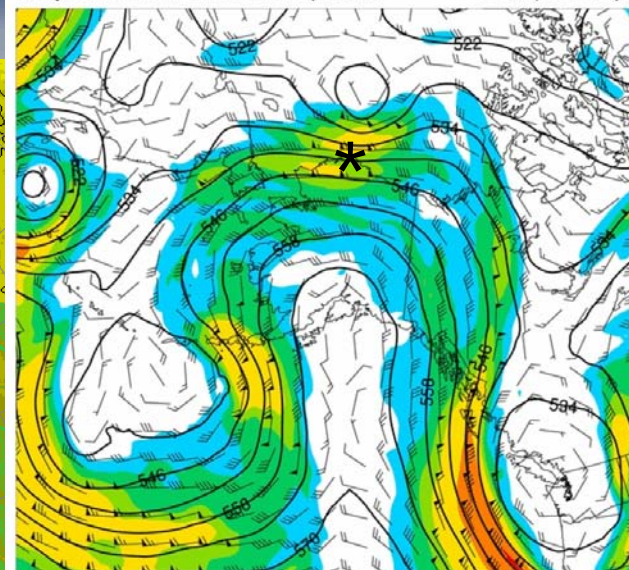


0001 NOAA-17 4 19 APR 08110 230058 01043 09275 02 00

500 mb Wind Speed (knots)/Heights (dm)

Analysis valid 0000 UTC Sun 20 Apr 2008

NAM (00z 20 Apr)



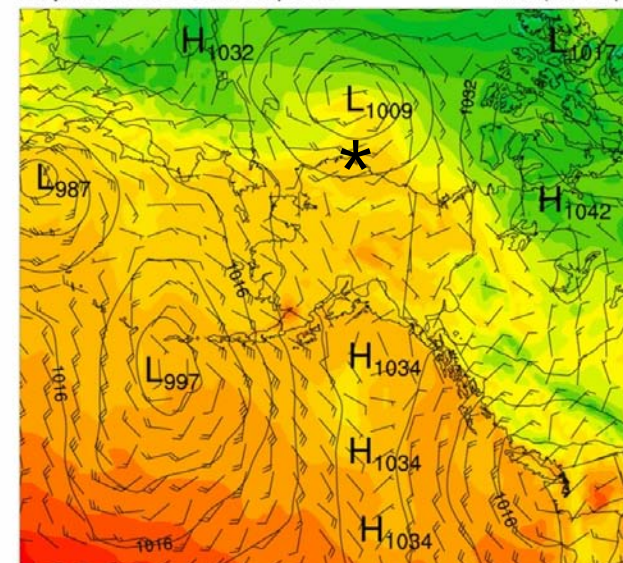
Speed: knots

PSU ARM NSA SST

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 0000 UTC Sun 20 Apr 2008

NAM (00z 20 Apr)



Temp (deg F)

PSU ARM NSA SST

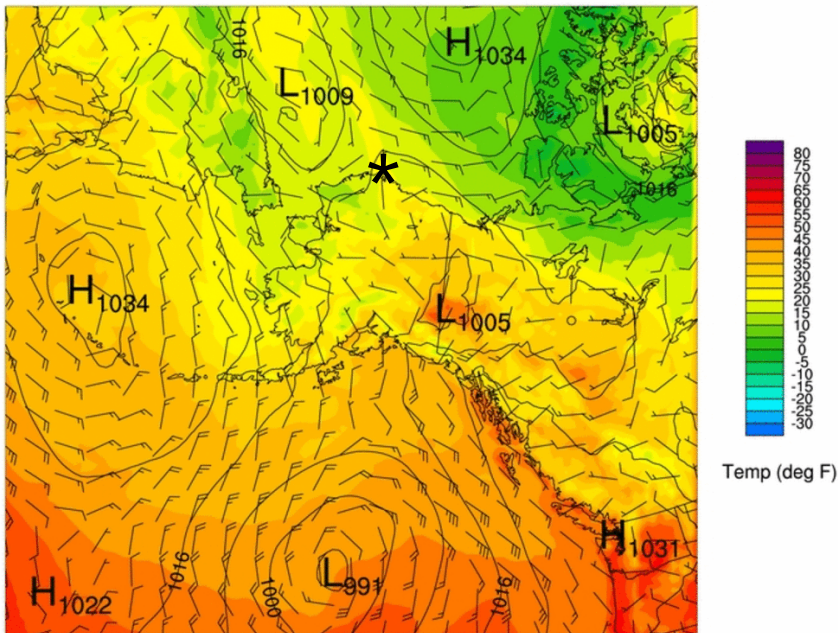
Period 4: Bering Strait Trough

00 Z April 26

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 0000 UTC Sat 26 Apr 2008

NAM (00z 26 Apr)

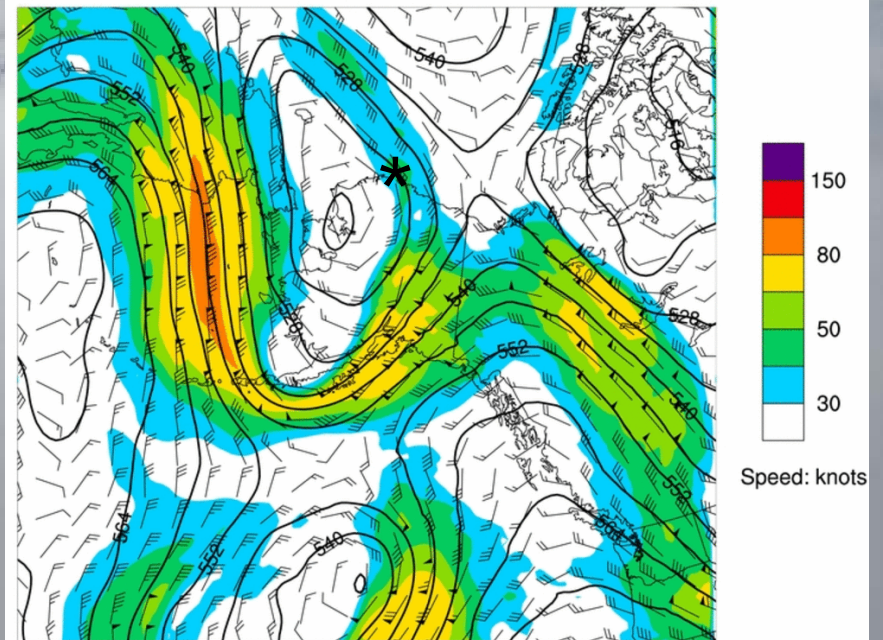


Temp (deg F)

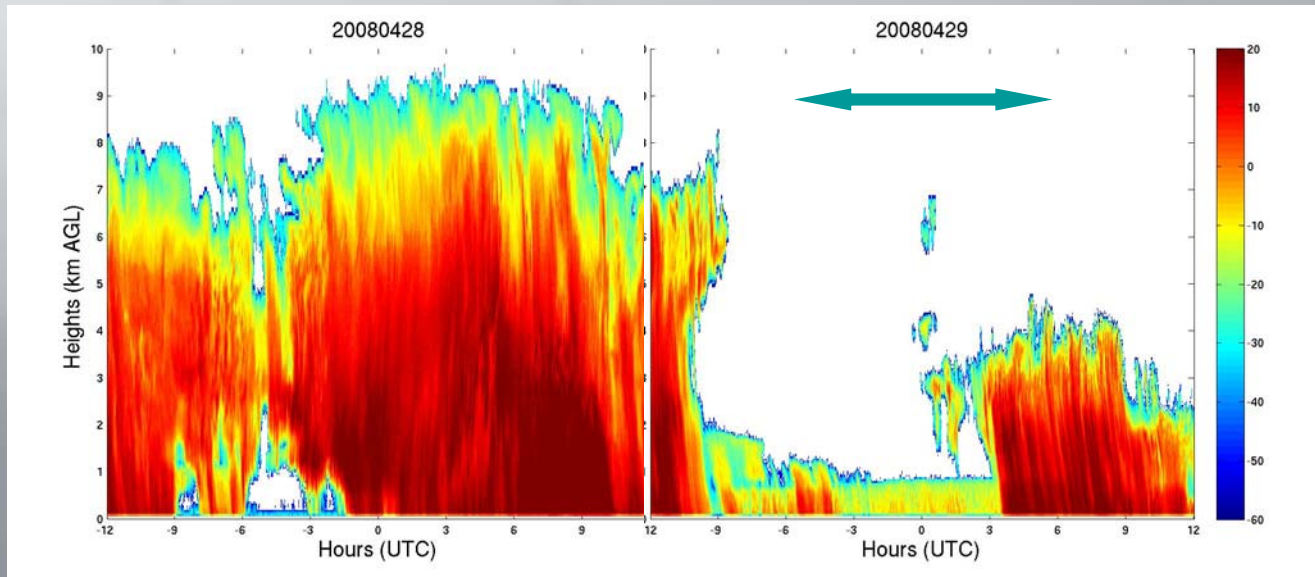
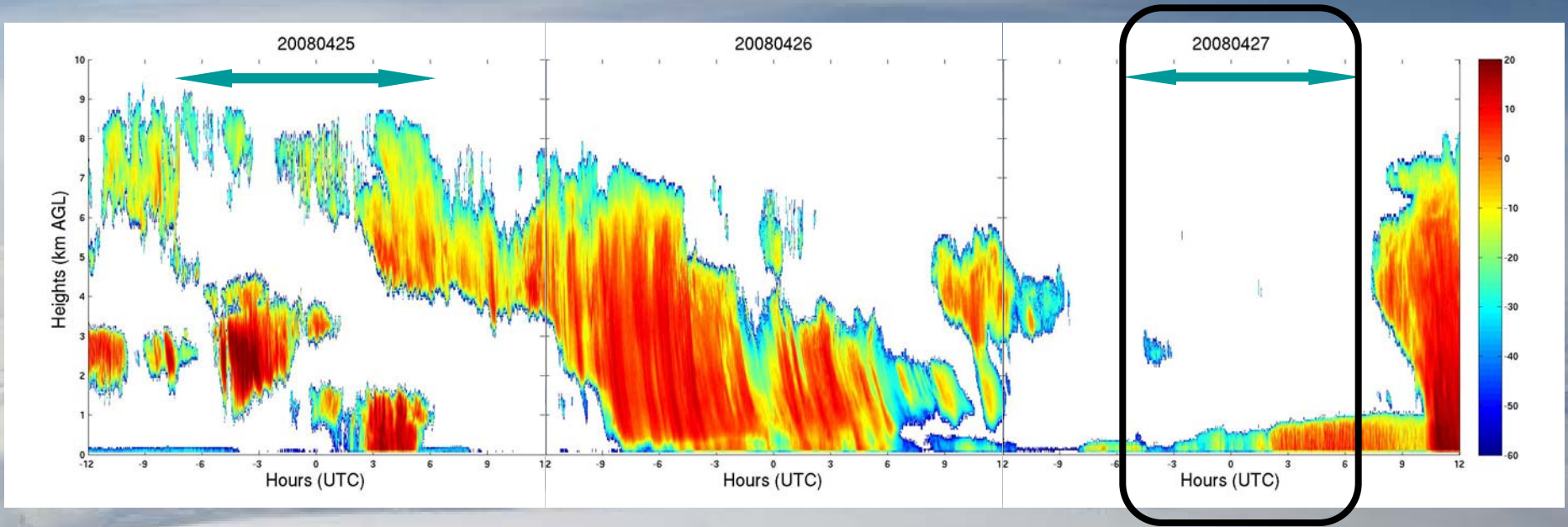
500 mb Wind Speed (knots)/Heights (dm)

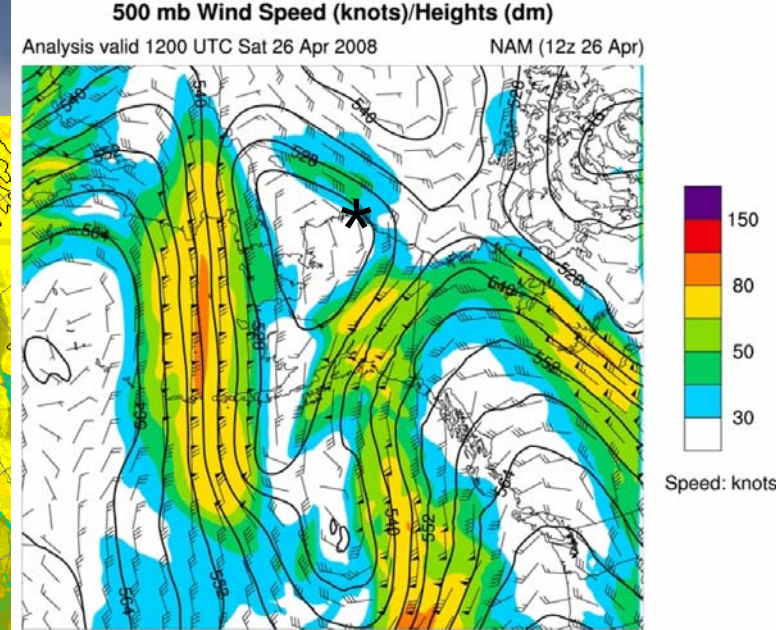
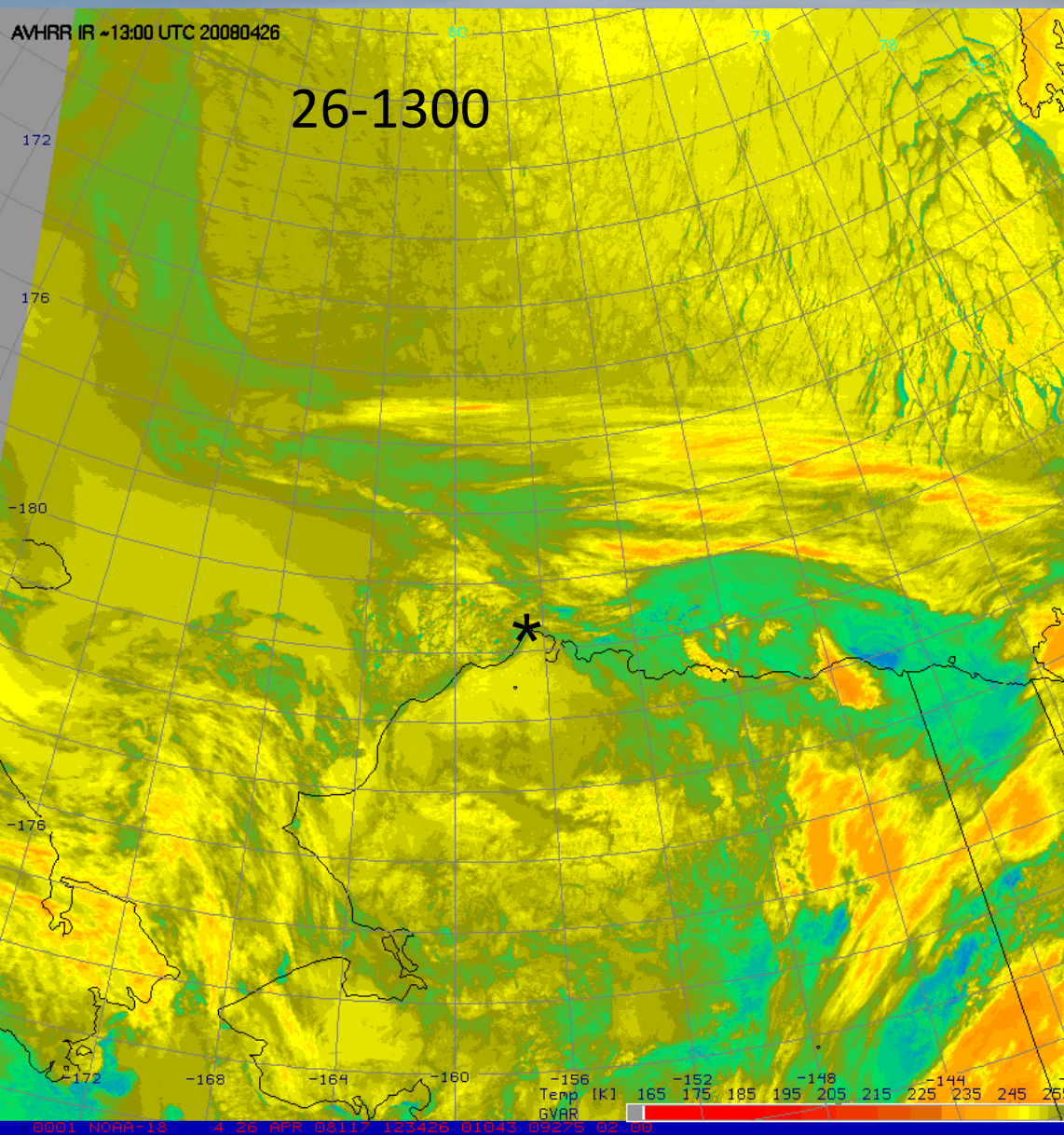
Analysis valid 0000 UTC Sat 26 Apr 2008

NAM (00z 26 Apr)



Speed: knots

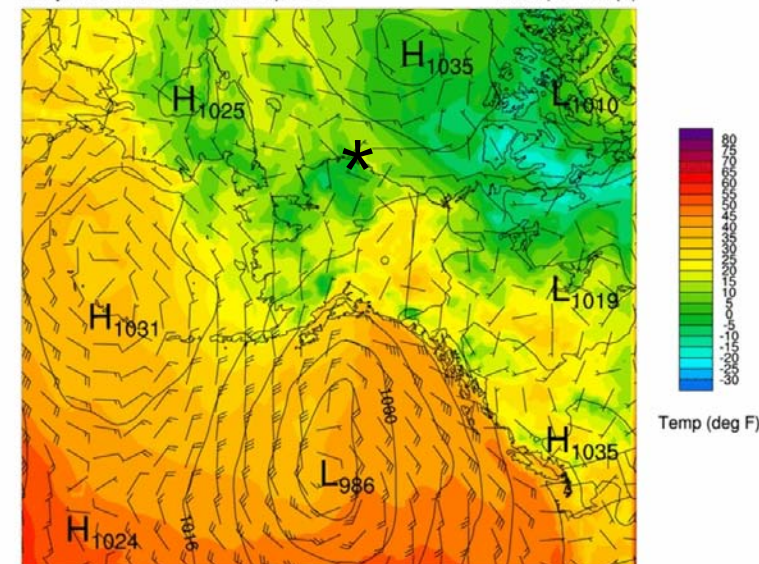




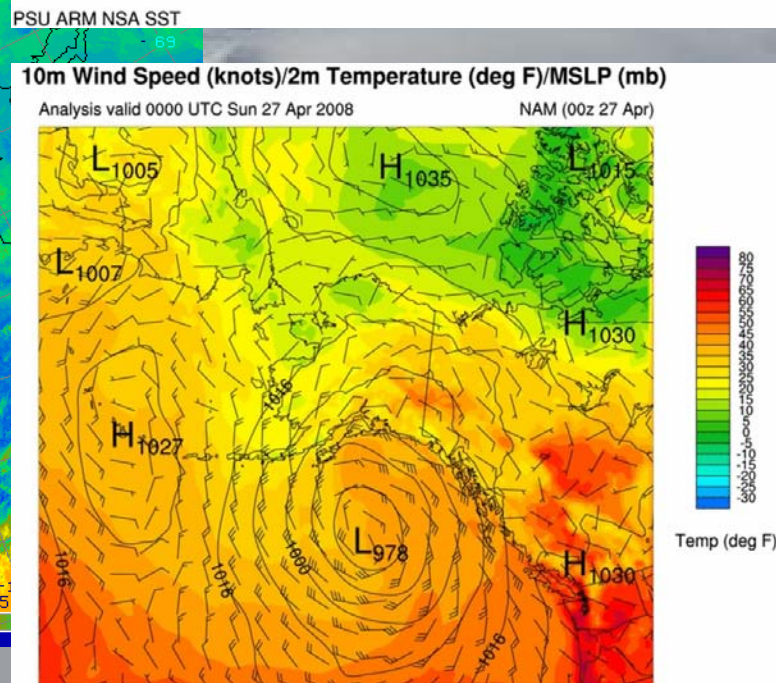
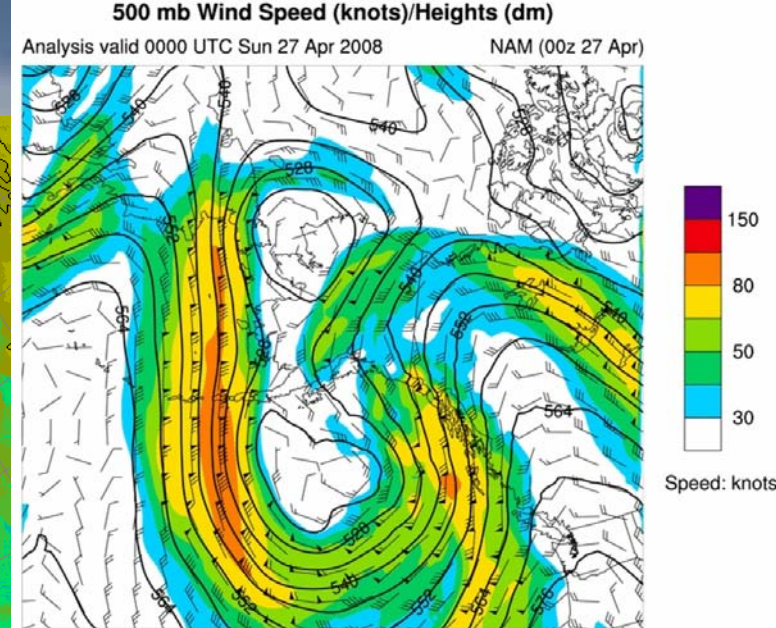
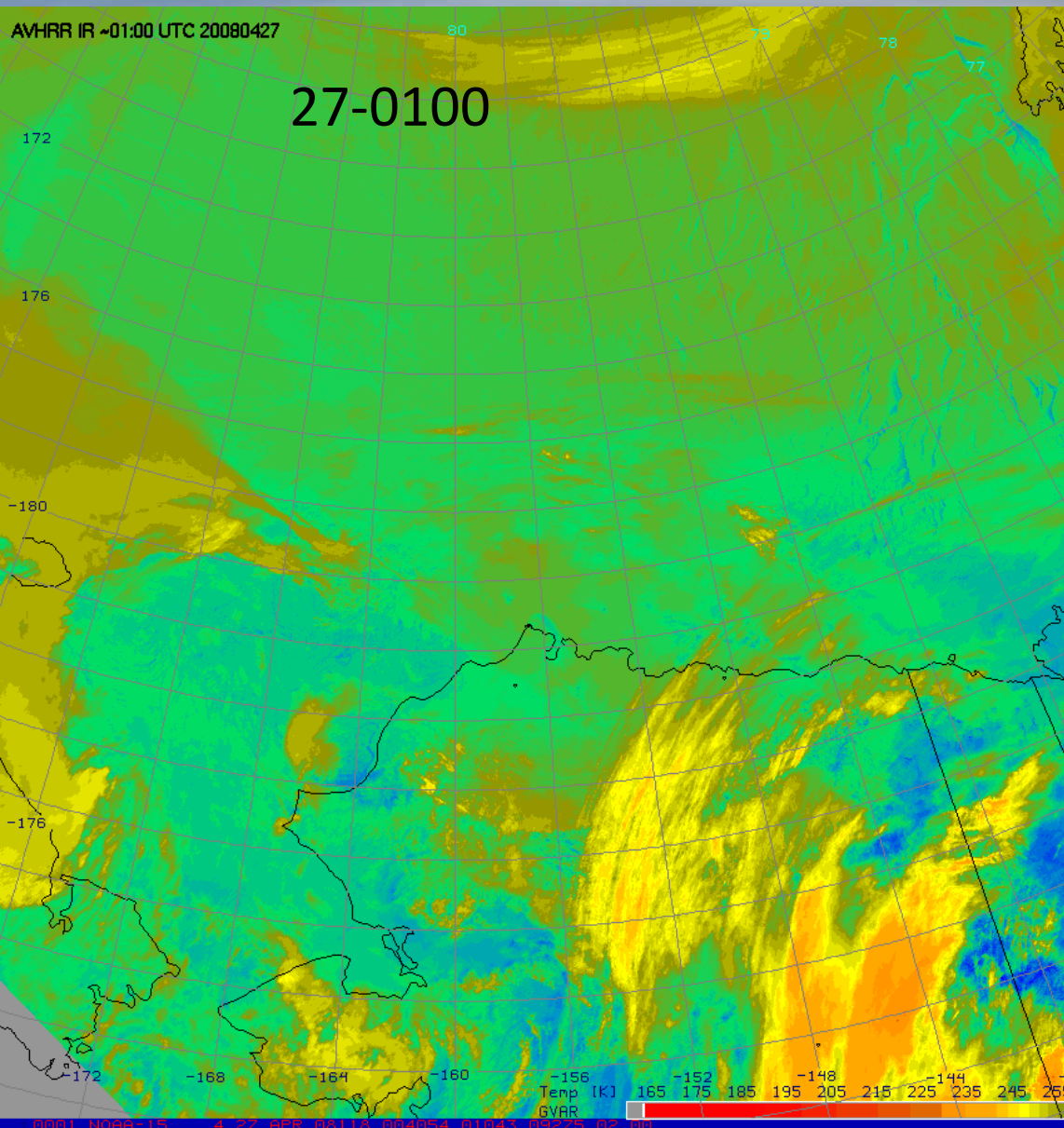
PSU ARM NSA SST

10m Wind Speed (knots)/2m Temperature (deg F)/MSLP (mb)

Analysis valid 1200 UTC Sat 26 Apr 2008 NAM (12z 26 Apr)



PSU ARM NSA SST



PSU ARM NSA SST