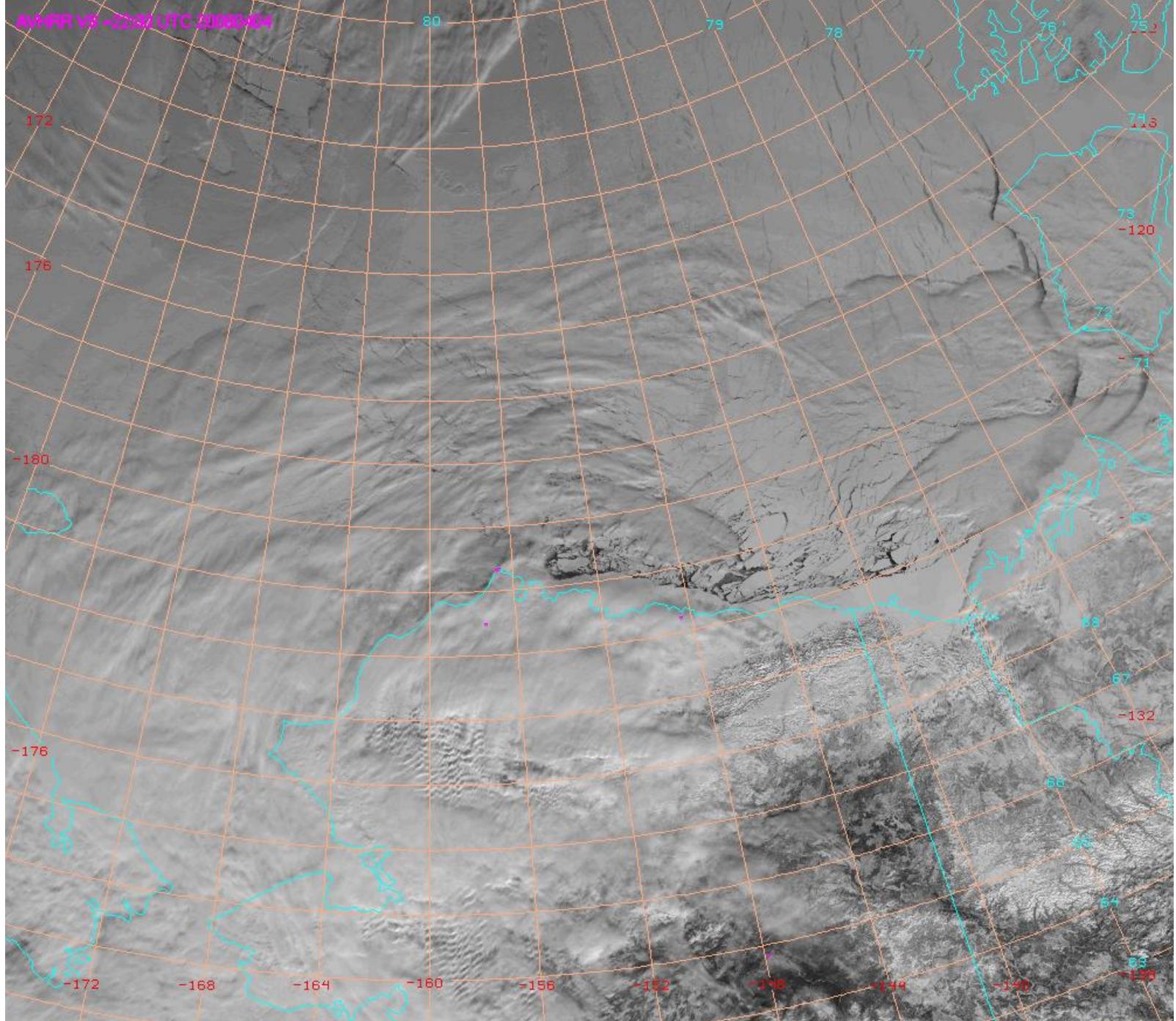


AVHRR V3 -22:37 UTC 010804W



WIND(MPS) T(C) TD(C) VIS(KM) WXC1(CODE) TIME=16 DAY=097

76

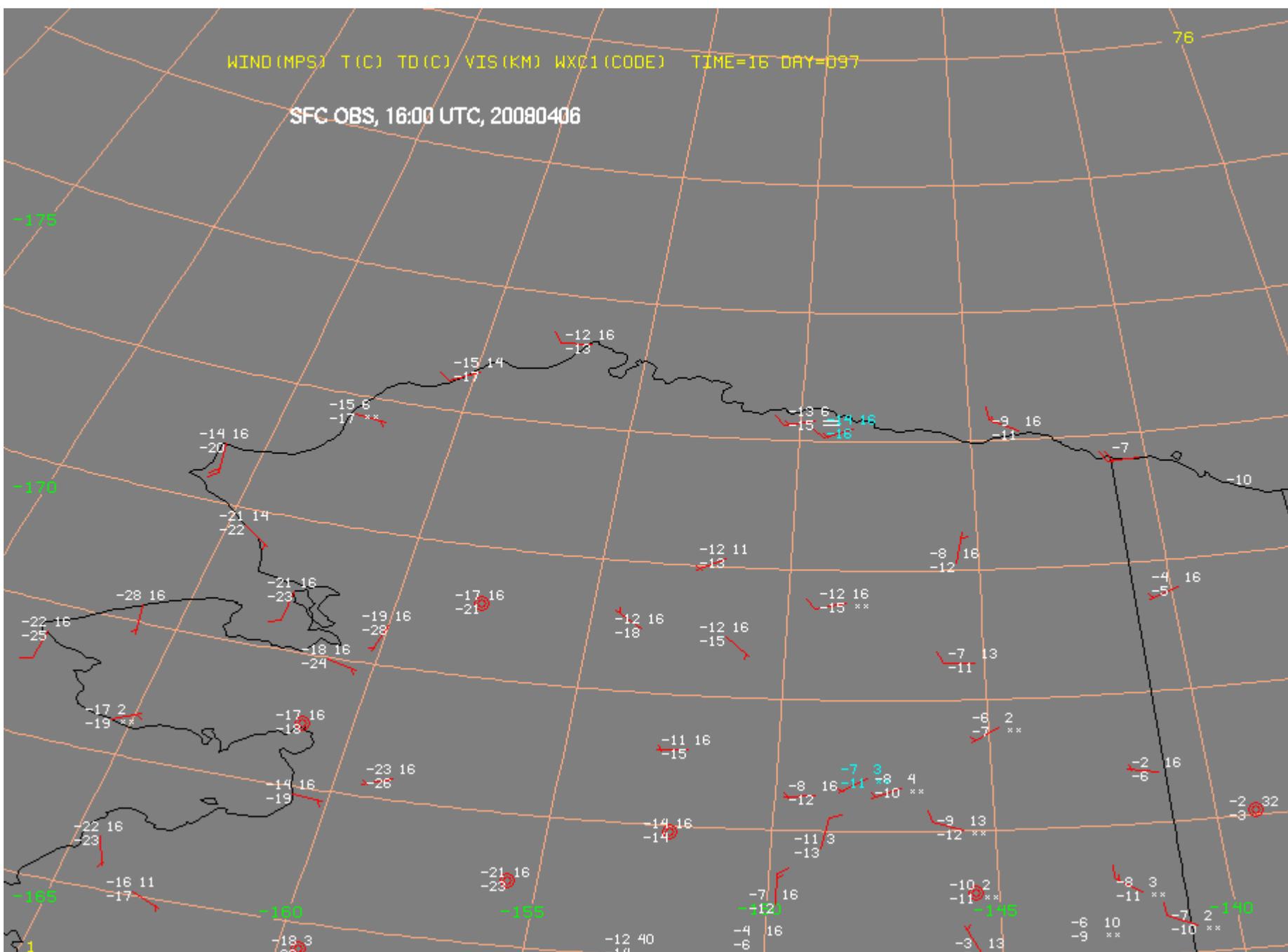
SFC OBS, 16:00 UTC, 20080406

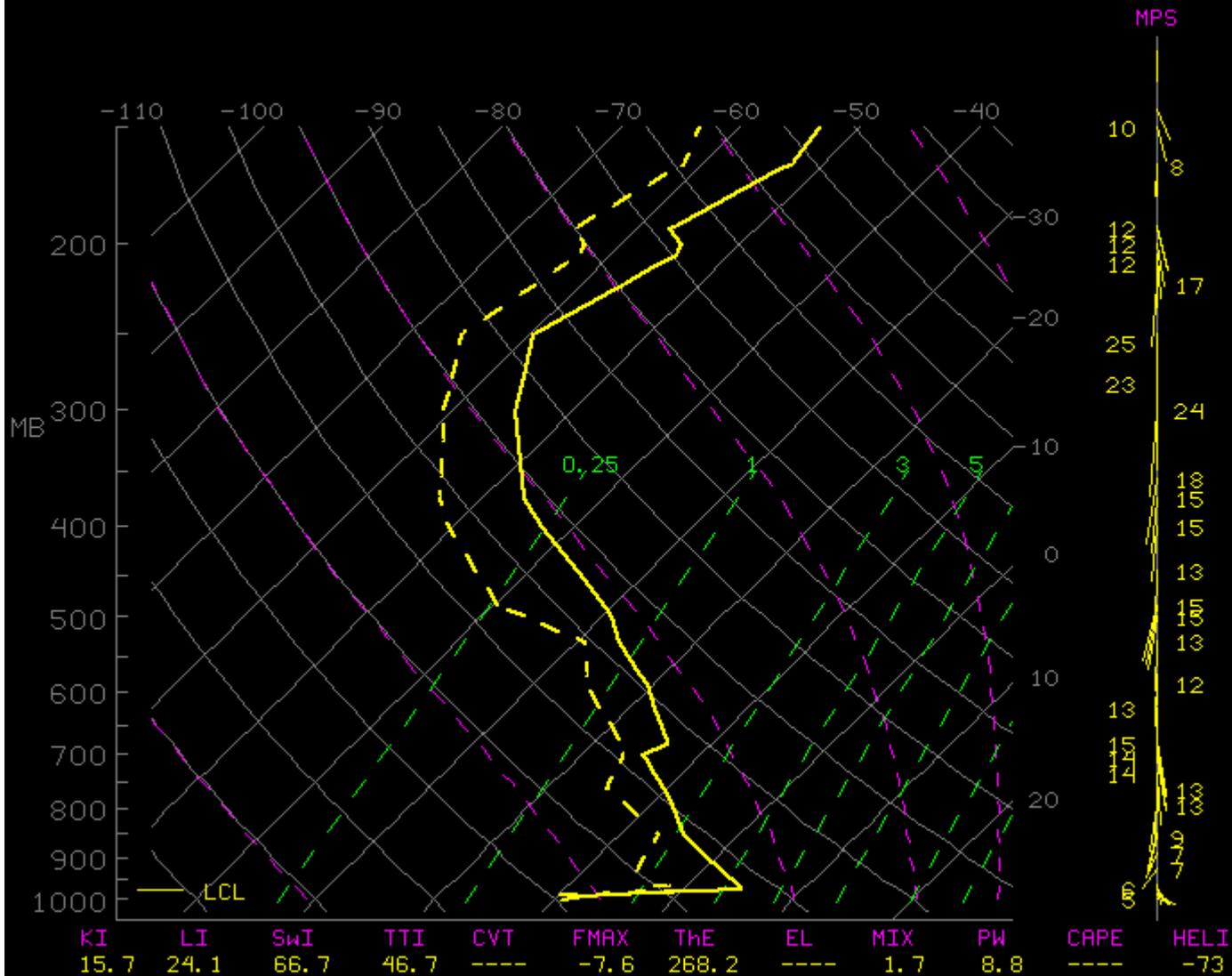
-175

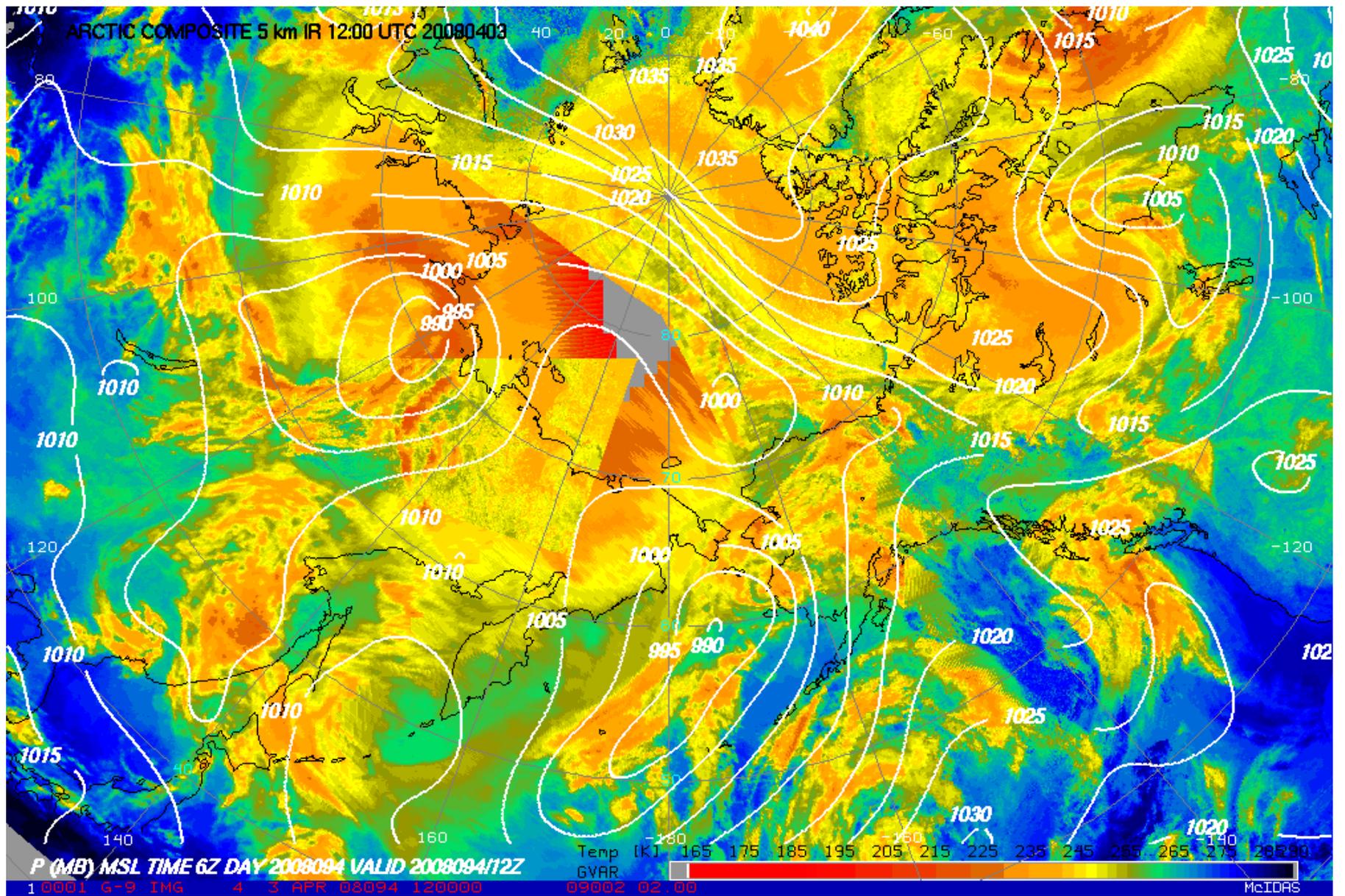
-170

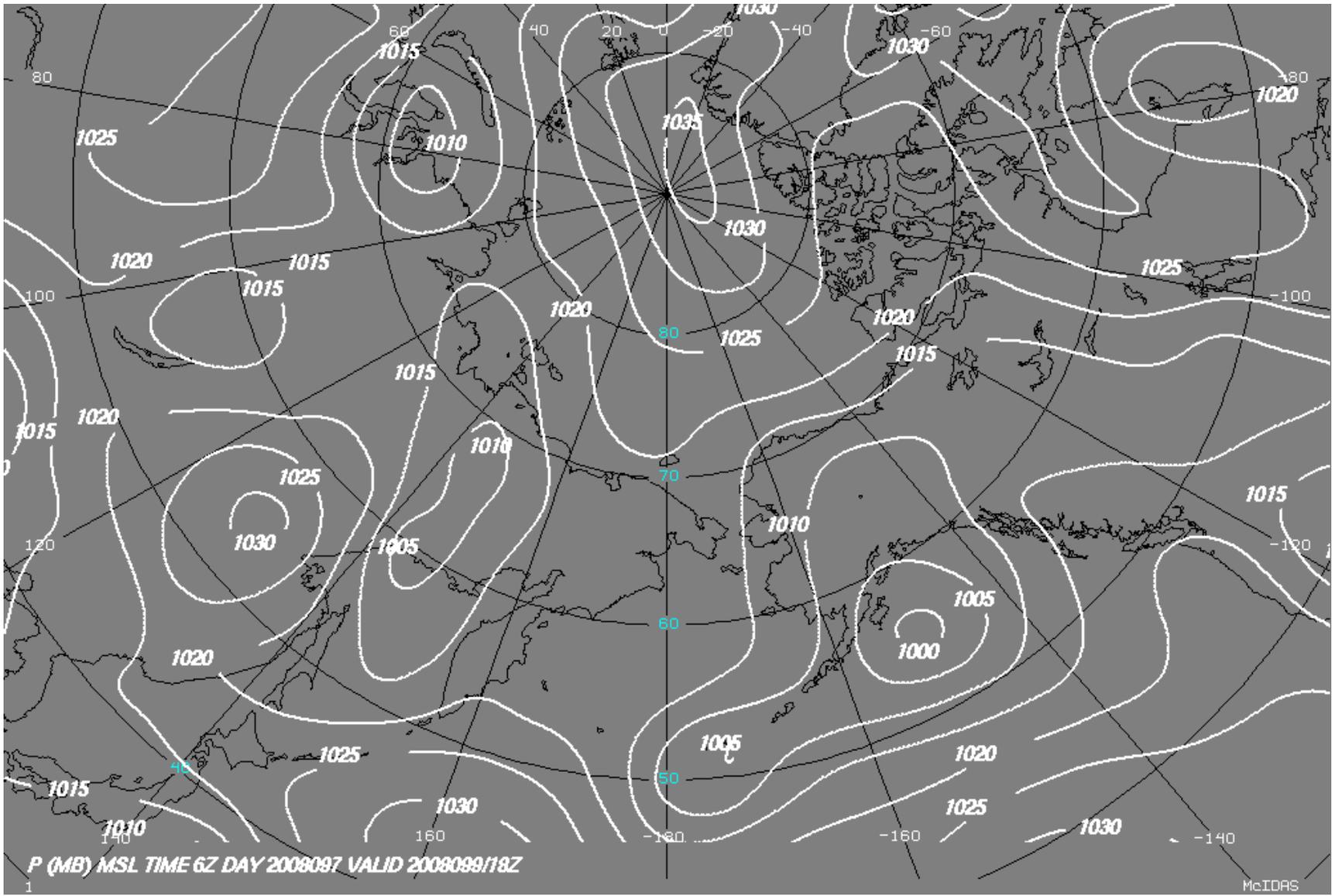
-165

1

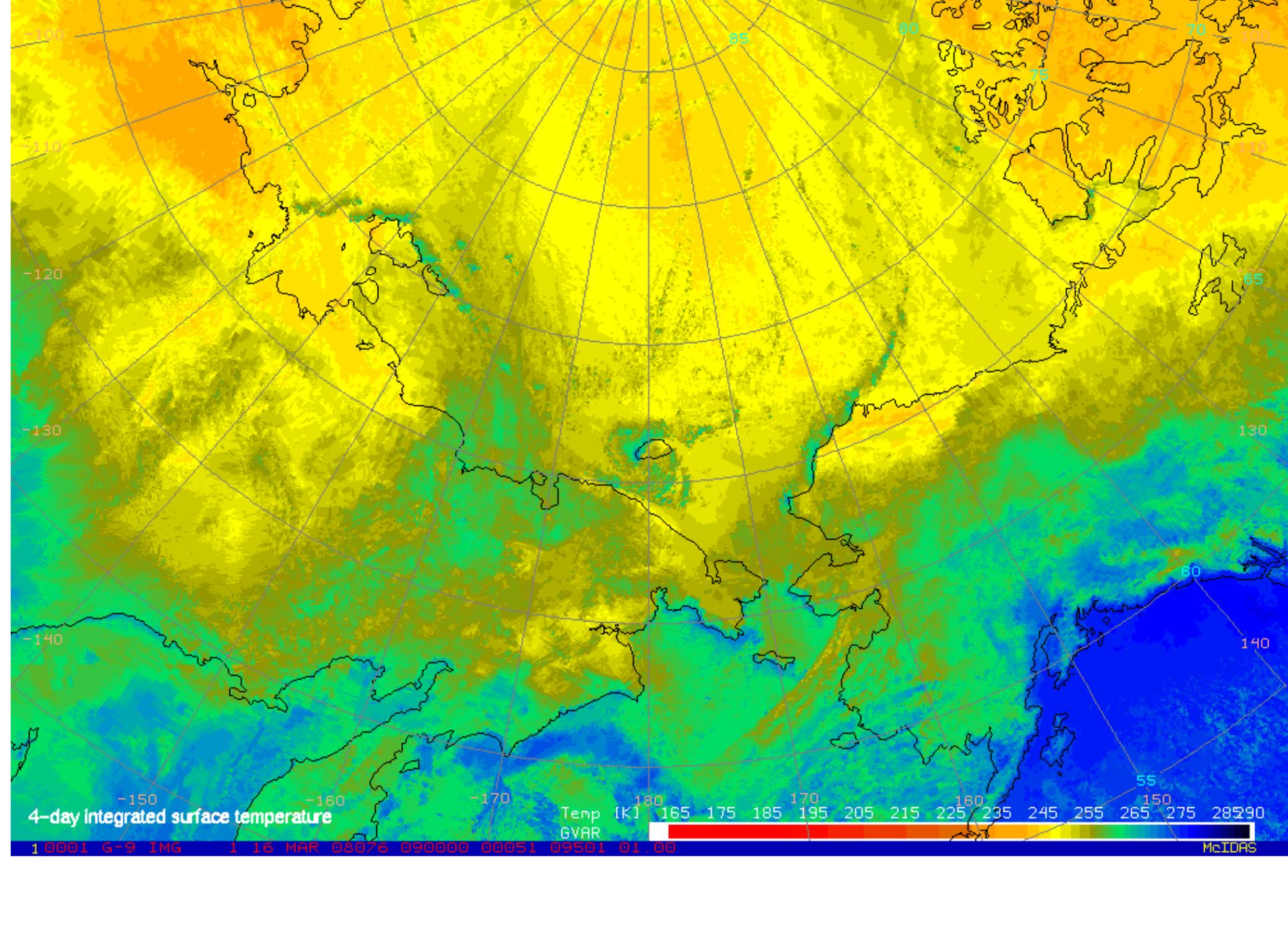








10:00 AM local, Tuesday



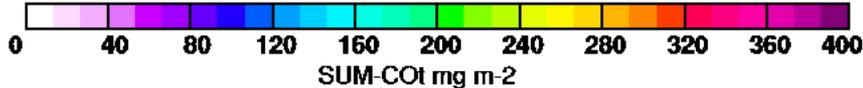
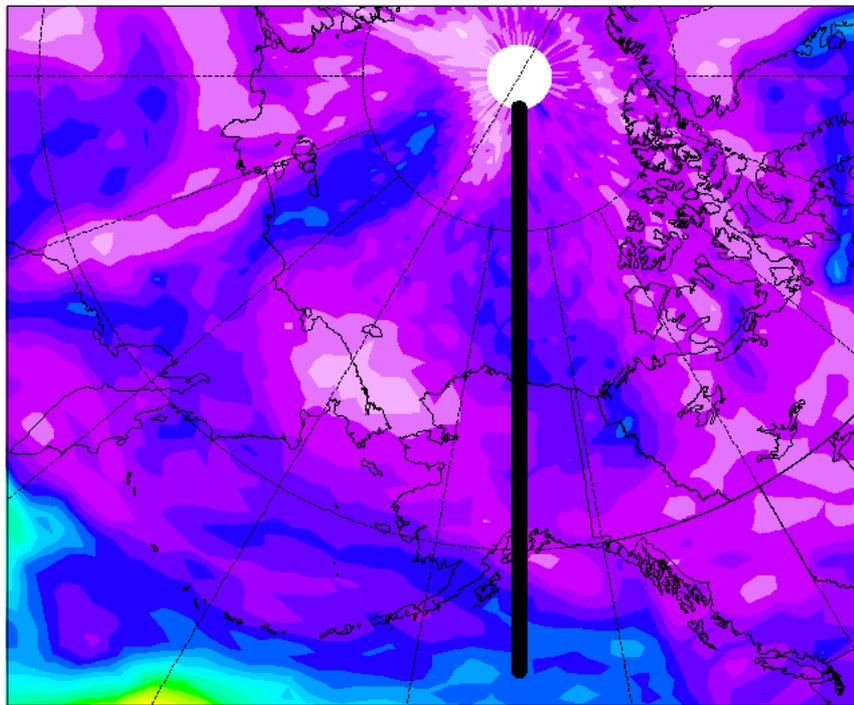
Total CO, FLEXPART

Total column of species SUM-CO for age class 0 - 20.00 DAYS

Latest analysis time 20080406.60000 Actual time 20080406.180000

Mean value 0.942E+02 Maximum value 0.658E+03 Minimum value 0.110E+02

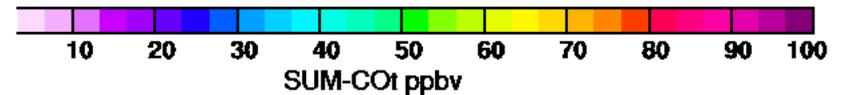
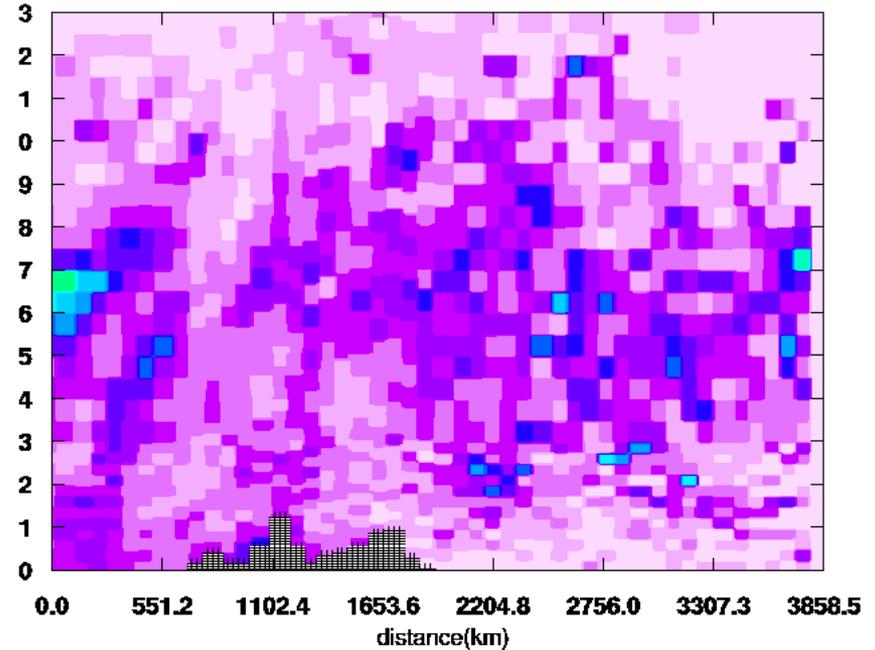
Distance of grid lines 20.0 deg



CROSS SECTION FROM -150 TO -150 LONGITUDE AND 53 TO 88 LATITUDE

NA-CO_t MIXING RATIO FOR AGE CLASS 0 - 20.00 DAYS

LATEST ANALYSIS 20080406 60000 UTC ACTUAL TIME 20080406 18



RH, Z at 700hPa (from NAM)

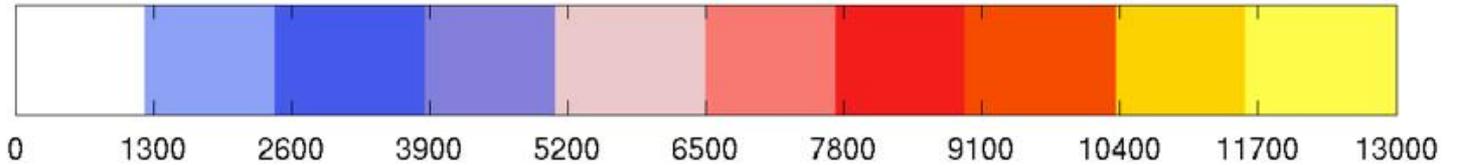
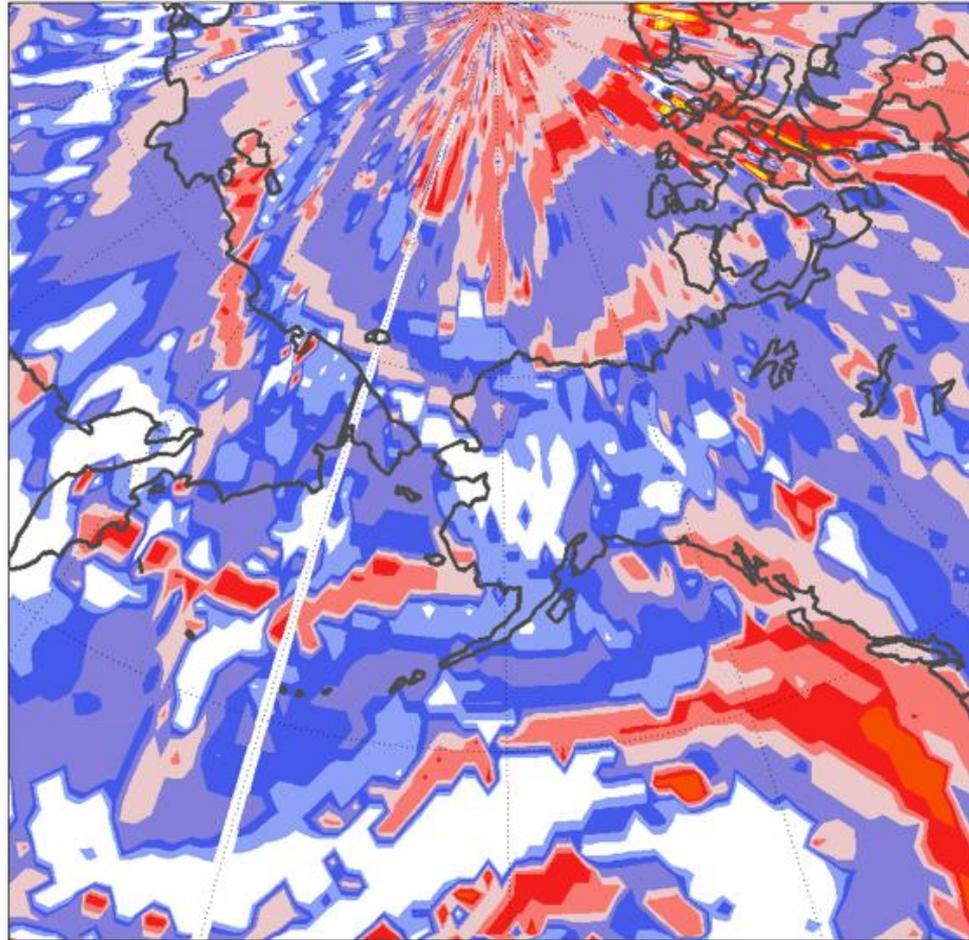


Movie_0002.wmv

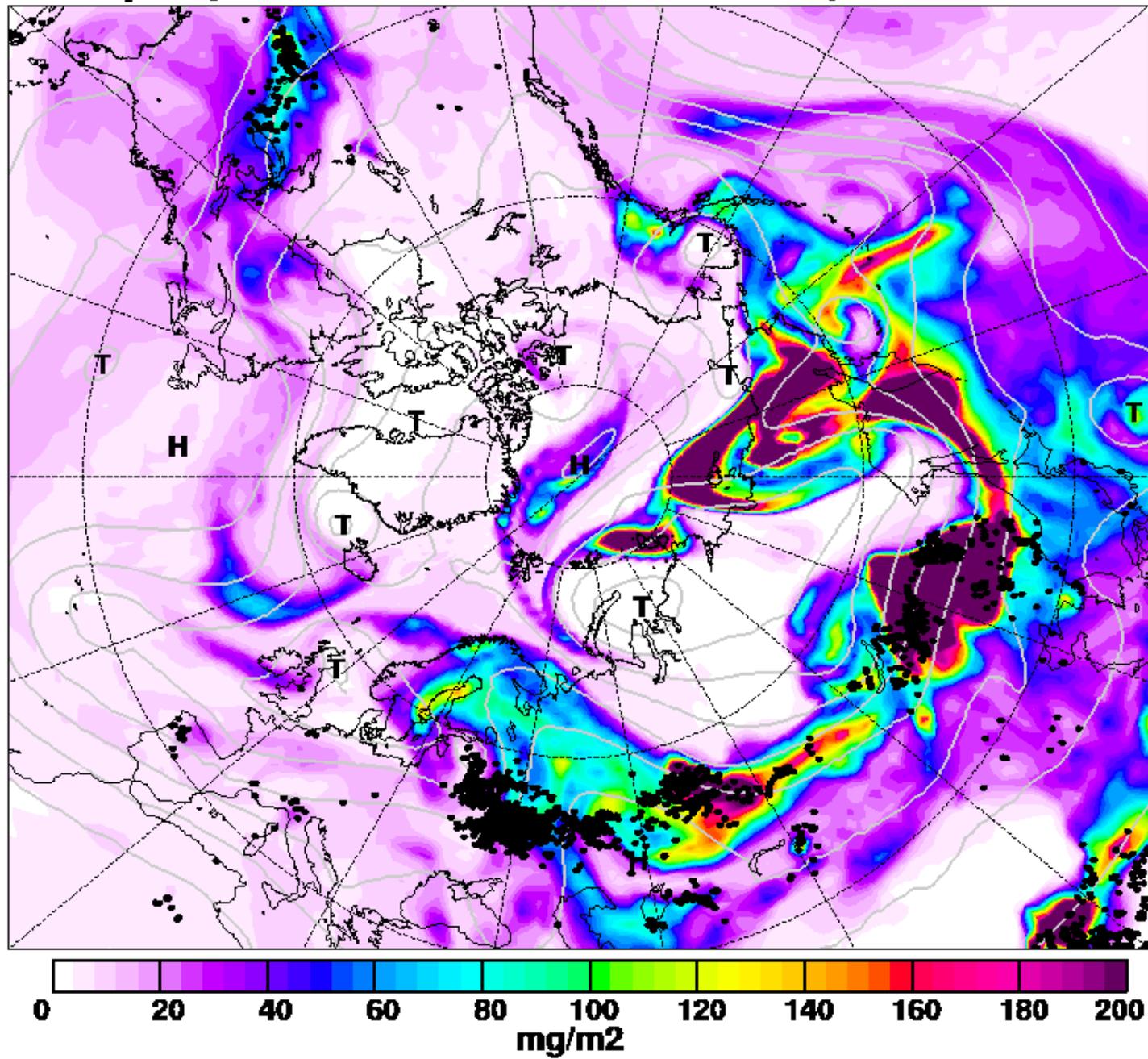
Altitude of maximum in the Asian tracer plume

AS-CO on 00 UTC 2008-04-09, altitude of tracer maximum

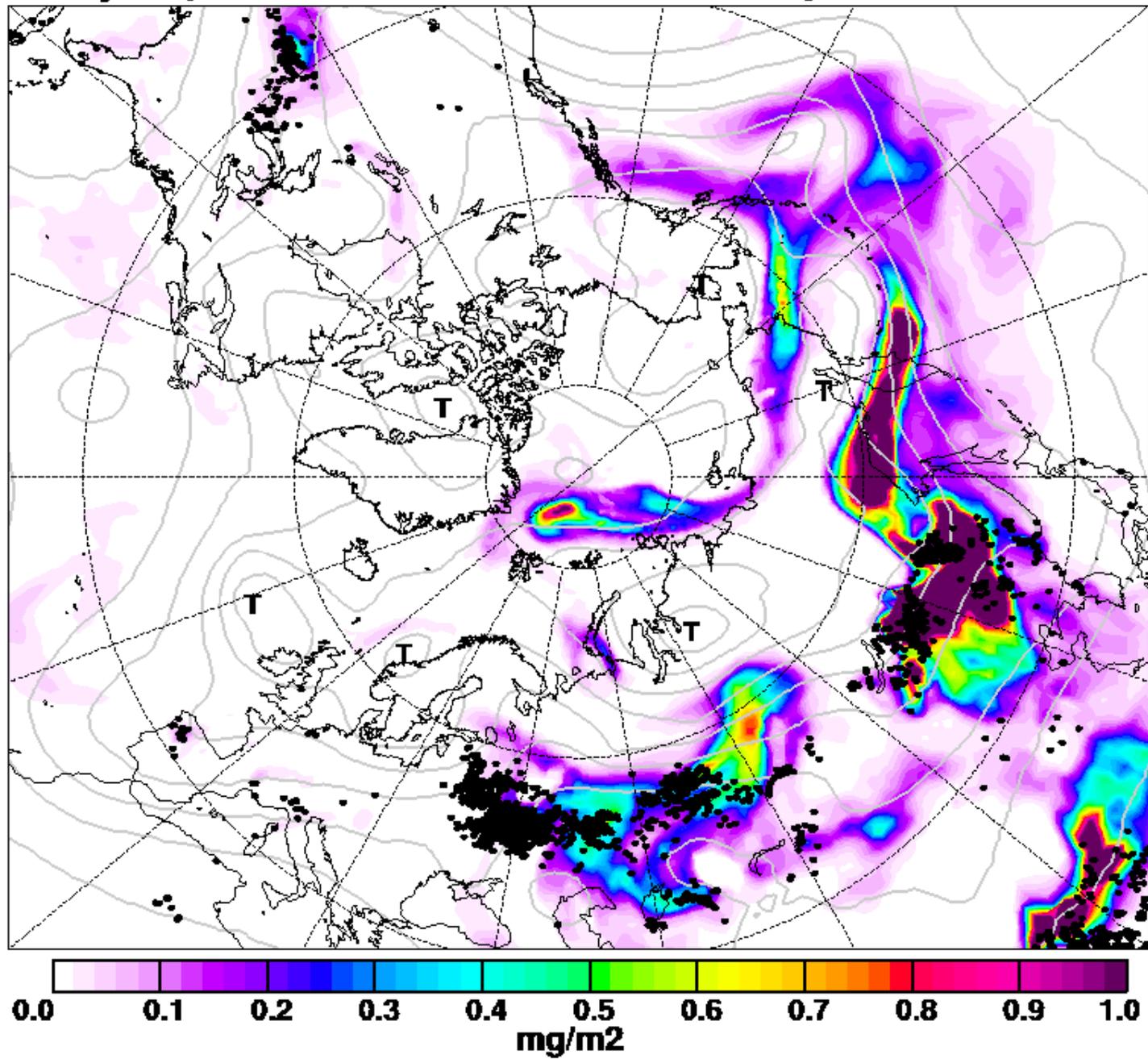
00Z 20080809



Total column of BB-CO and 500 hPa geopotential
Analysis @ 20080406. 60000 **Actual @ 20080409. 0**



Total column of BB-BC and 500 hPa geopotential
Analysis @ 20080406. 60000 **Actual @ 20080410.180000**



RAQMS Fairbanks Local FX Discussion:

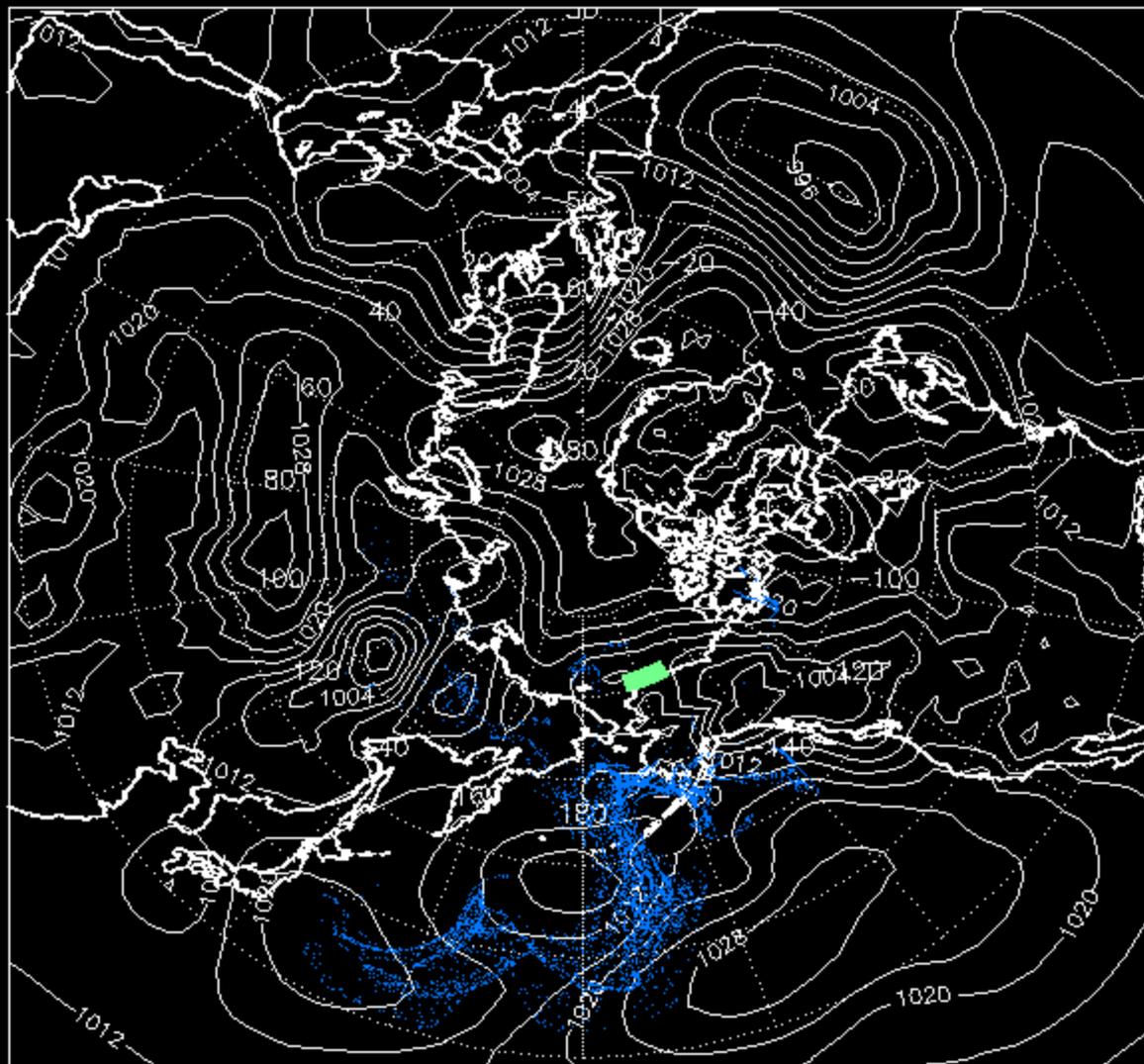
**00Z 04/08/2008
(60hr Fx)**

**00Z 04/09/2008
(84hr)**

**00Z 04/10/2008
(108hr)**

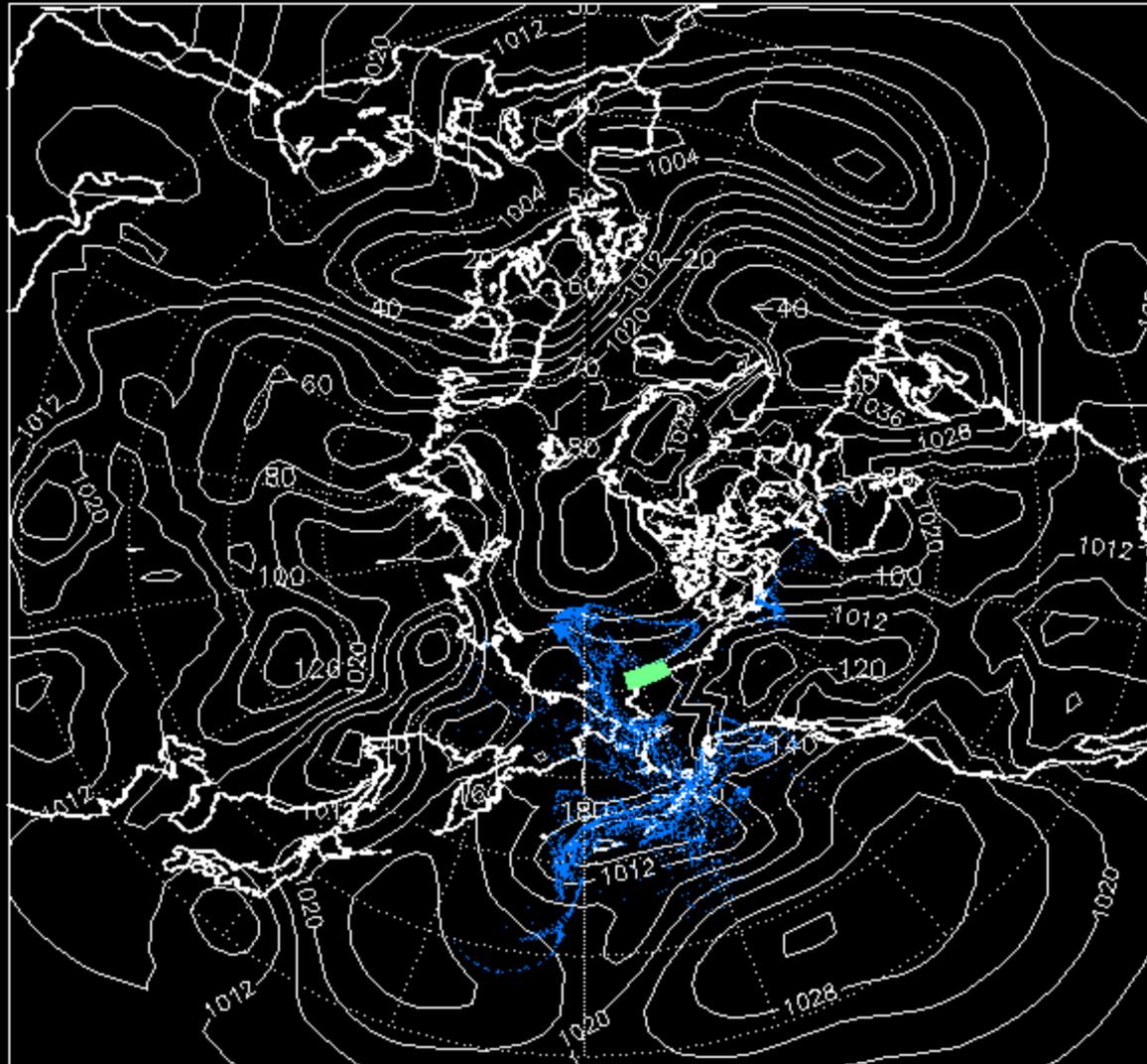
initialized 12Z 04/05/2008

2008040700 Initial (Blue) and Final (Green) Lat/Lon
(Barrow Parcels below 5km)



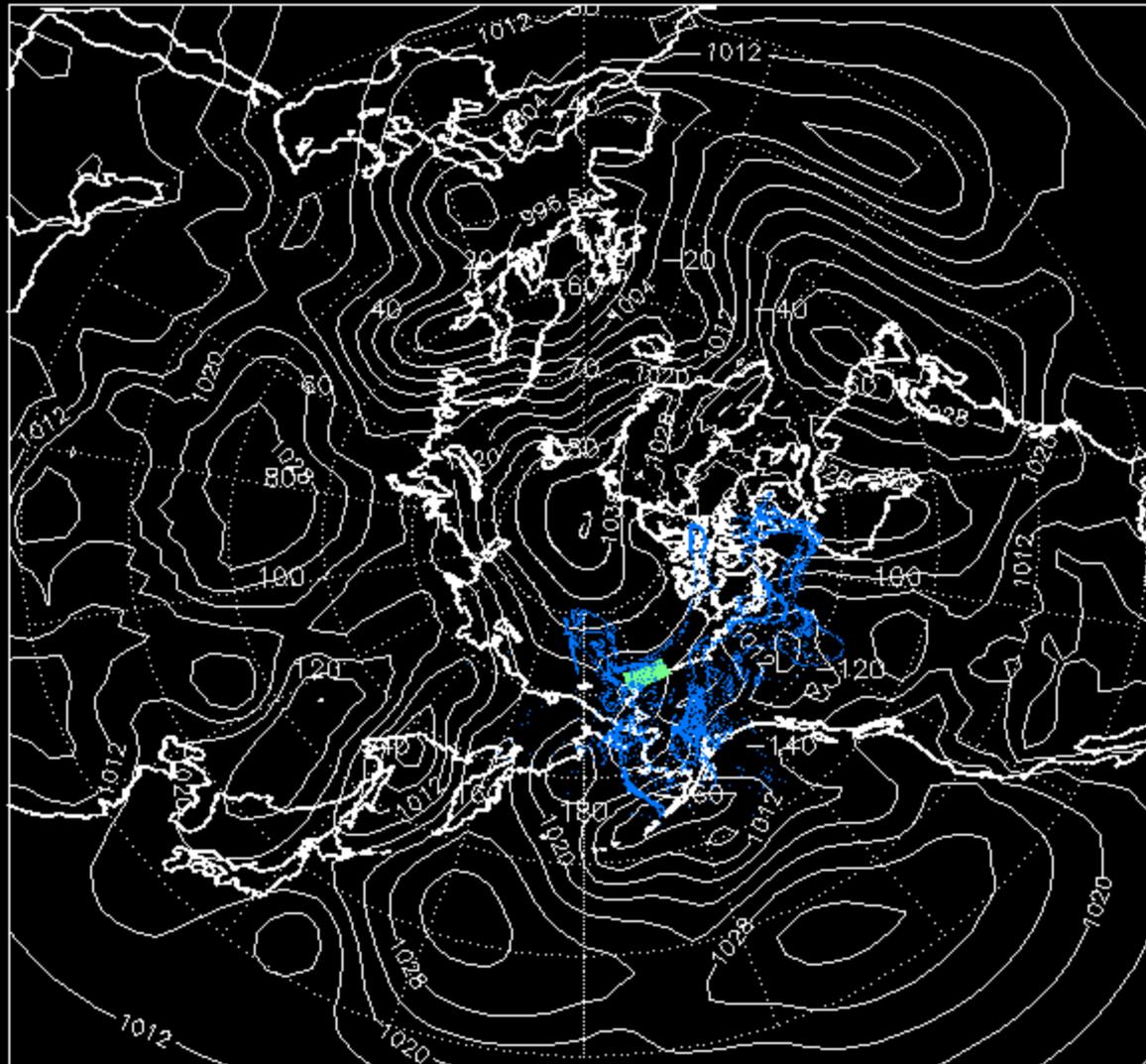
Barrow Mon: Mid-latitude origin

2008040800 Initial (Blue) and Final (Green) Lat/Lon
(Barrow Parcels below 5km)

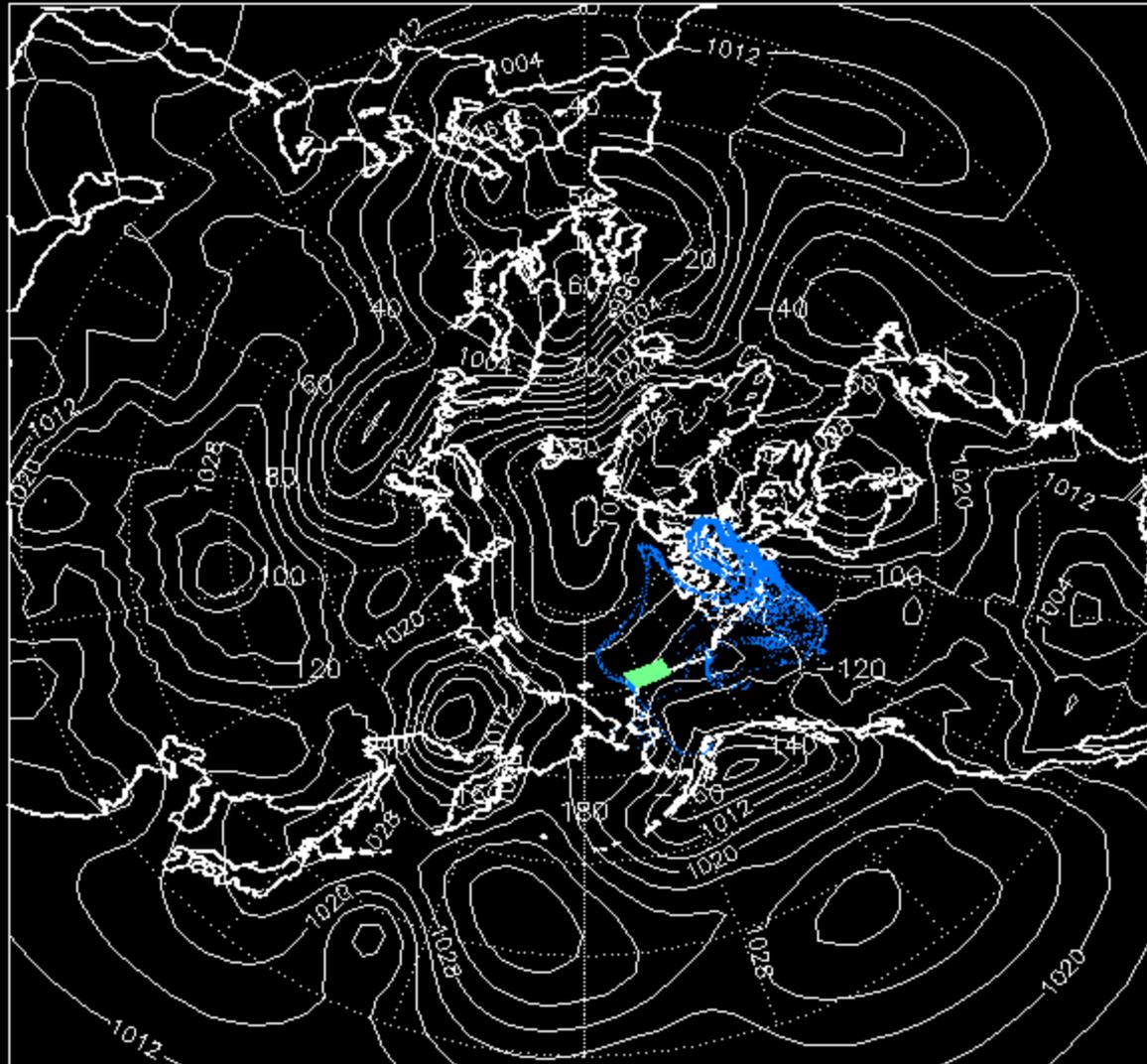


Barrow Tues: Mixed Arctic/Mid-latitude origin

2008040900 Initial (Blue) and Final (Green) Lat/Lon
(Barrow Parcels below 5km)



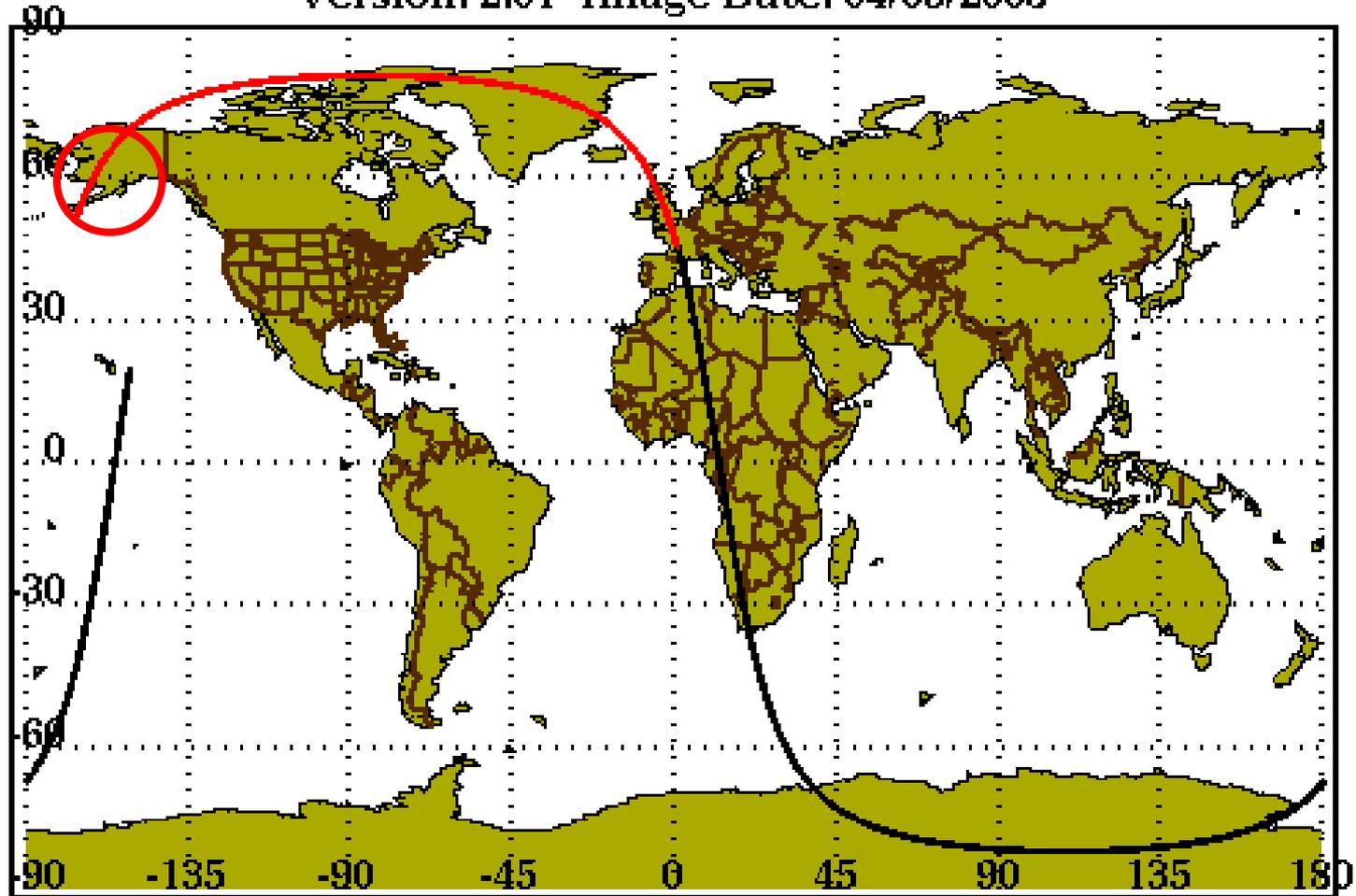
2008041000 Initial (Blue) and Final (Green) Lat/Lon
(Barrow Parcels below 5km)

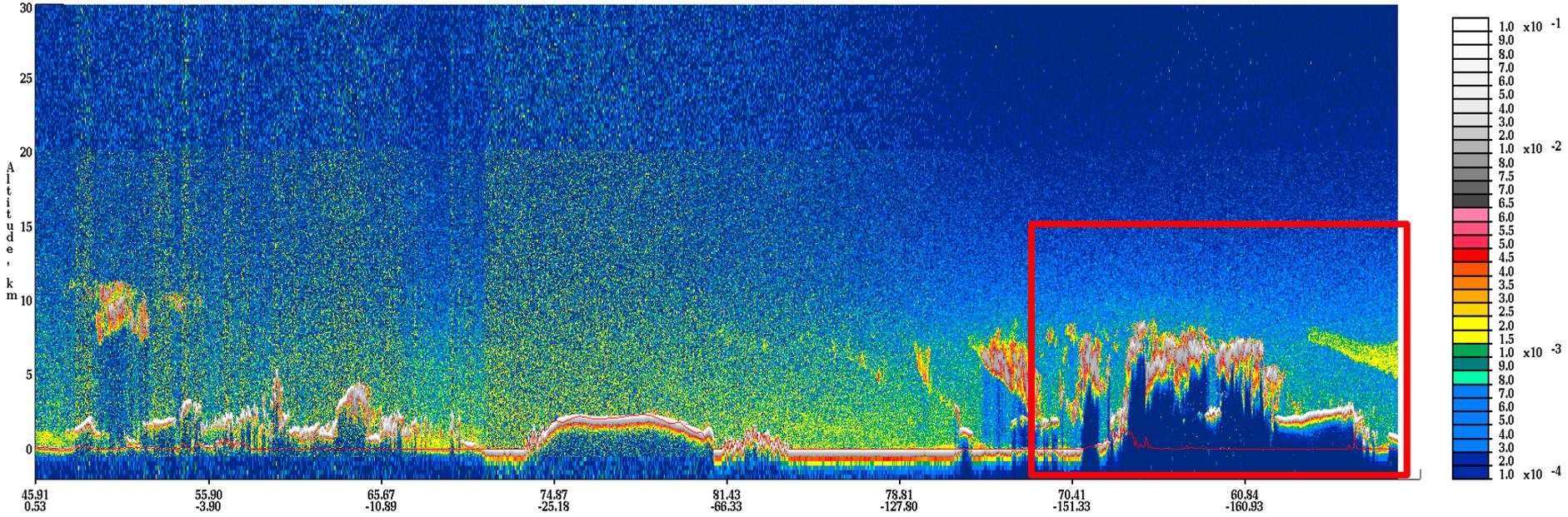


Barrow Thur: Arctic origin

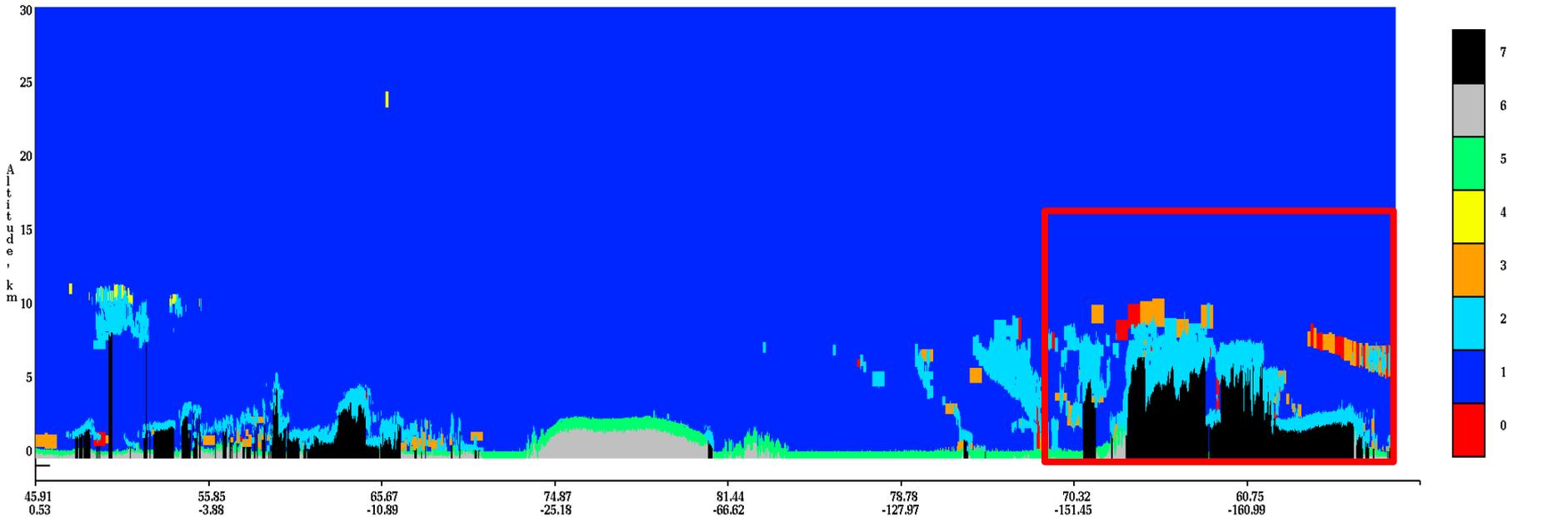
CALIPSO orbit: 12Z 04/04 (Friday)

2008-04-04 12-00-00 UTC Start of Hour Conditions
Version: 2.01 Image Date: 04/05/2008

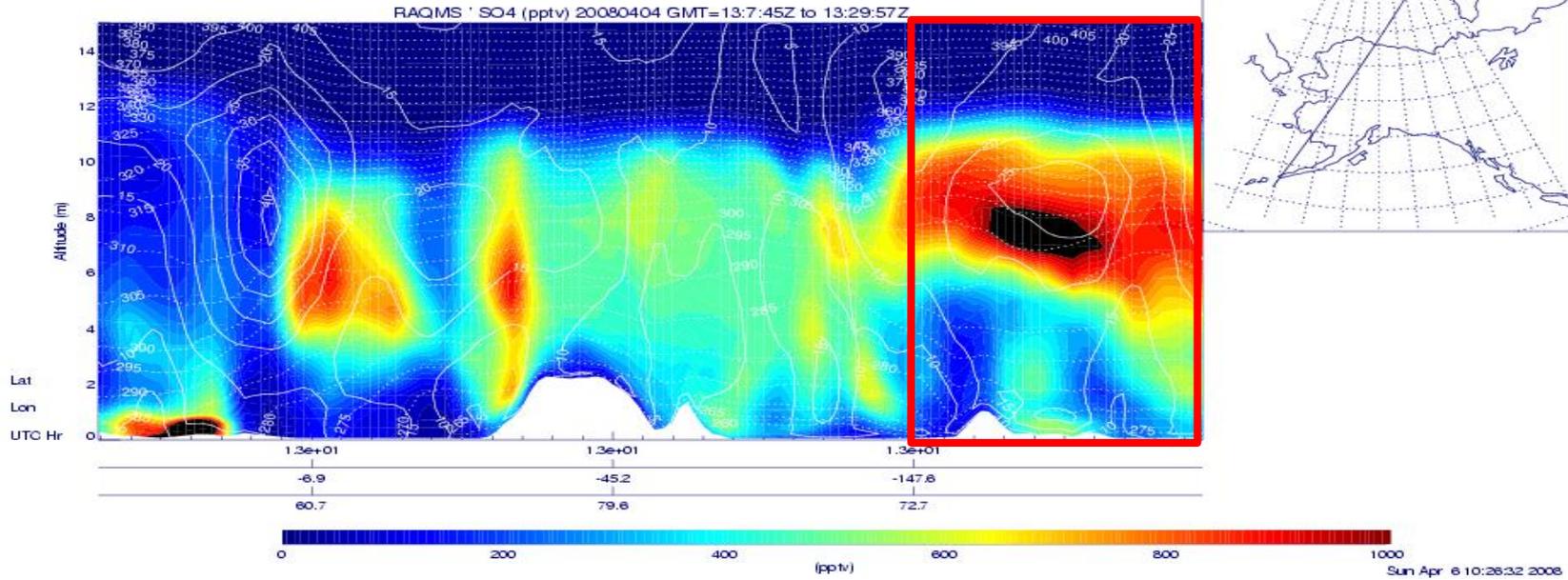




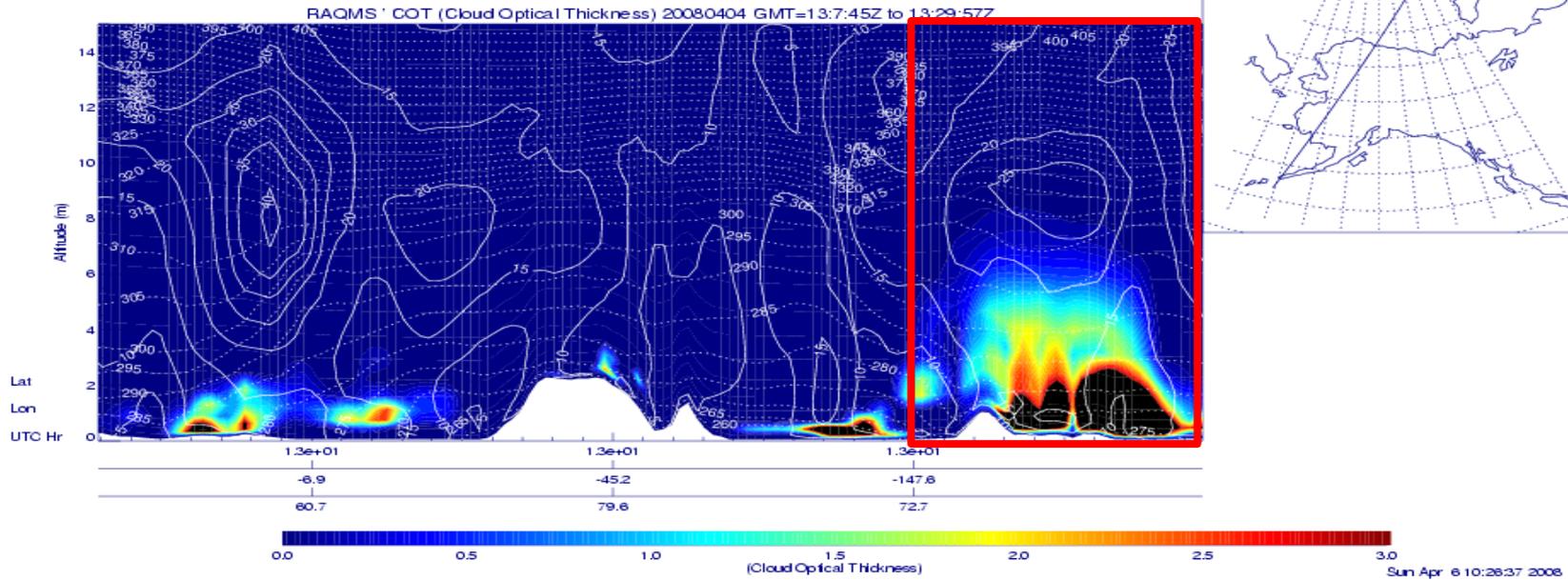
Vertical Feature Mask Begin UTC: 2008-04-04 13:07:48.3151 End UTC: 2008-04-04 13:29:57.7612



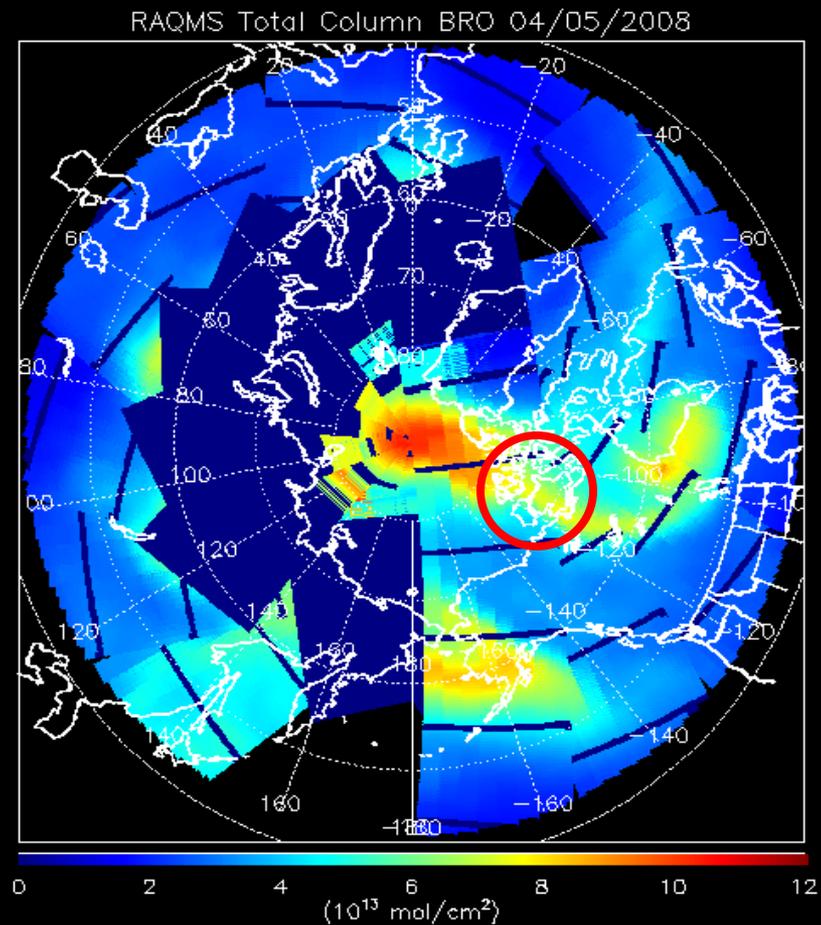
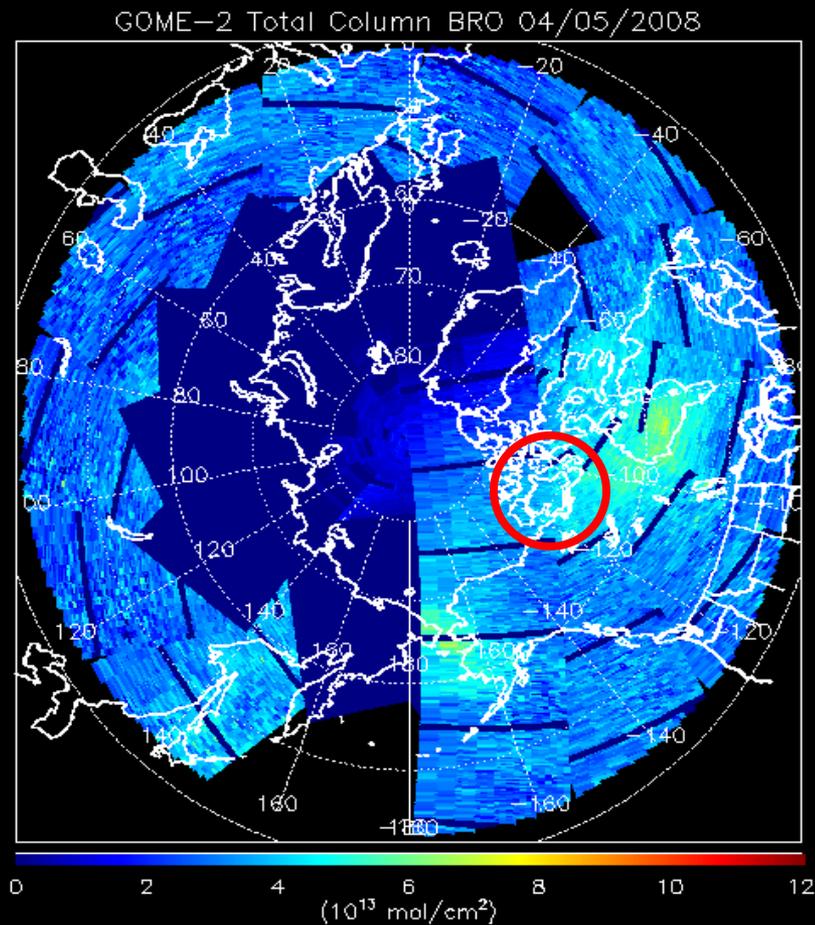
RAQMS SO4



RAQMS COT

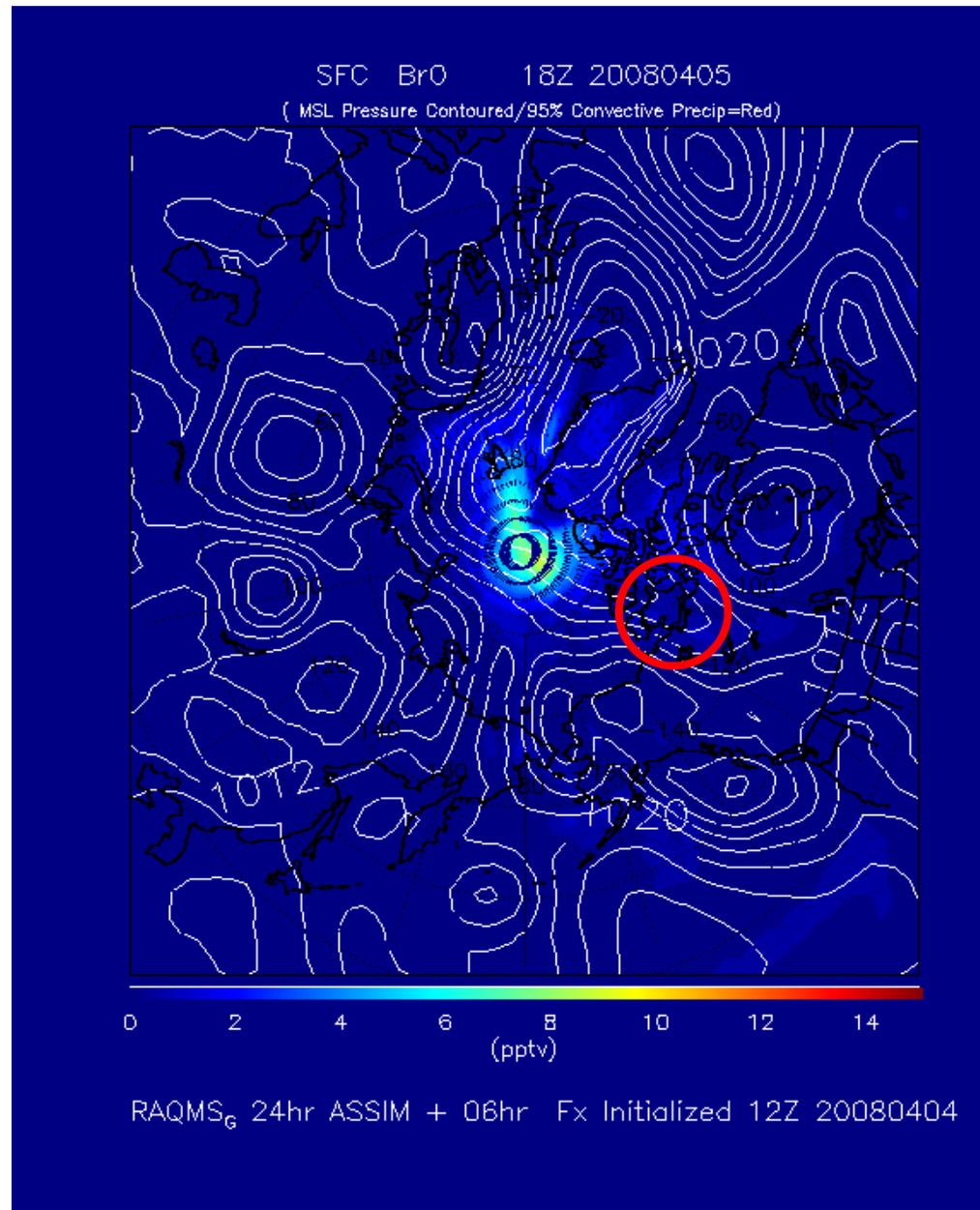


RAQMS vs GOME2 Total BrO column 04/05/2008



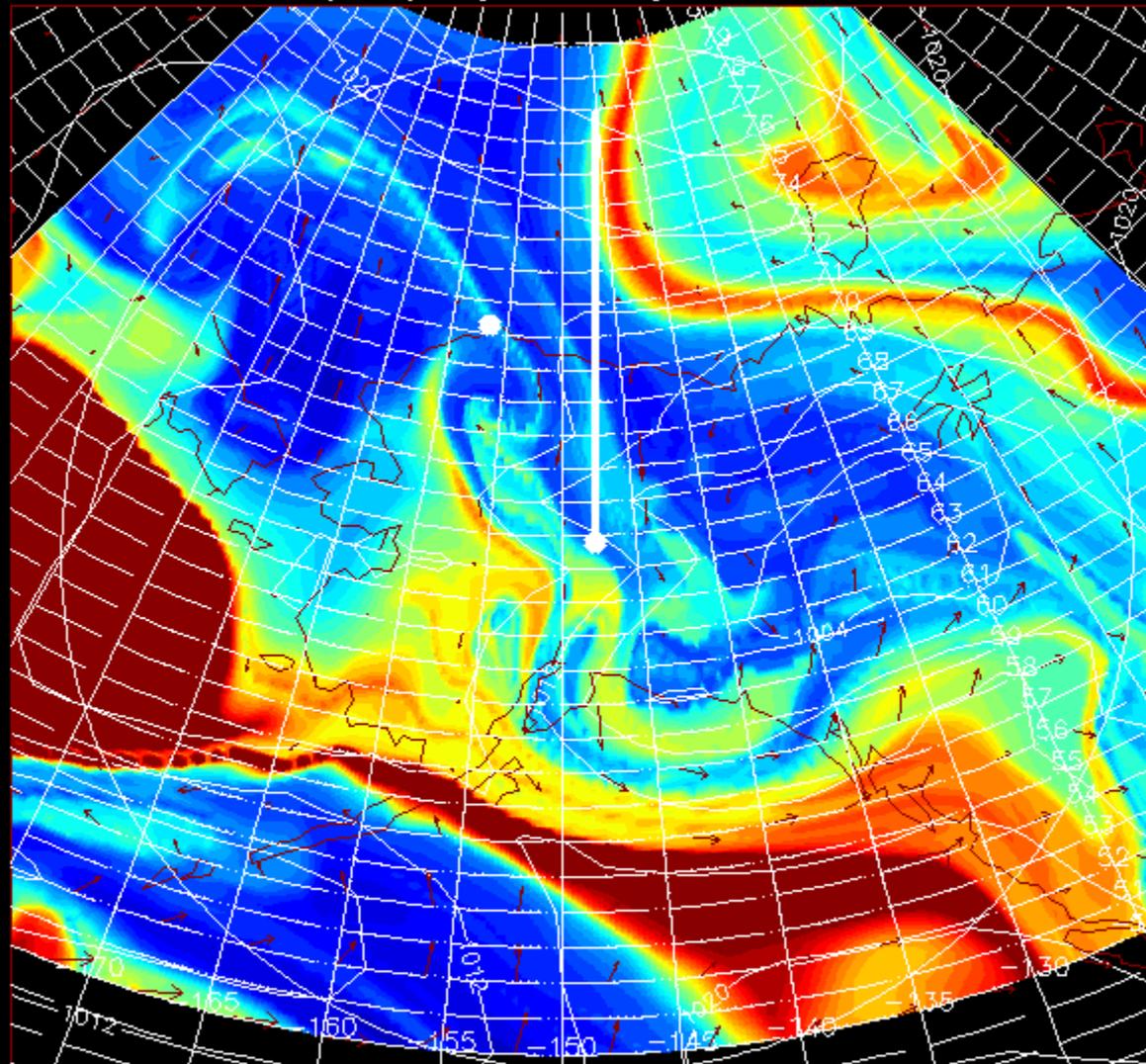
BrO Column enhancements at initial location of Wen (04/10) Barrow Parcels

RAQMS SFC BrO 18Z 04/05/2008

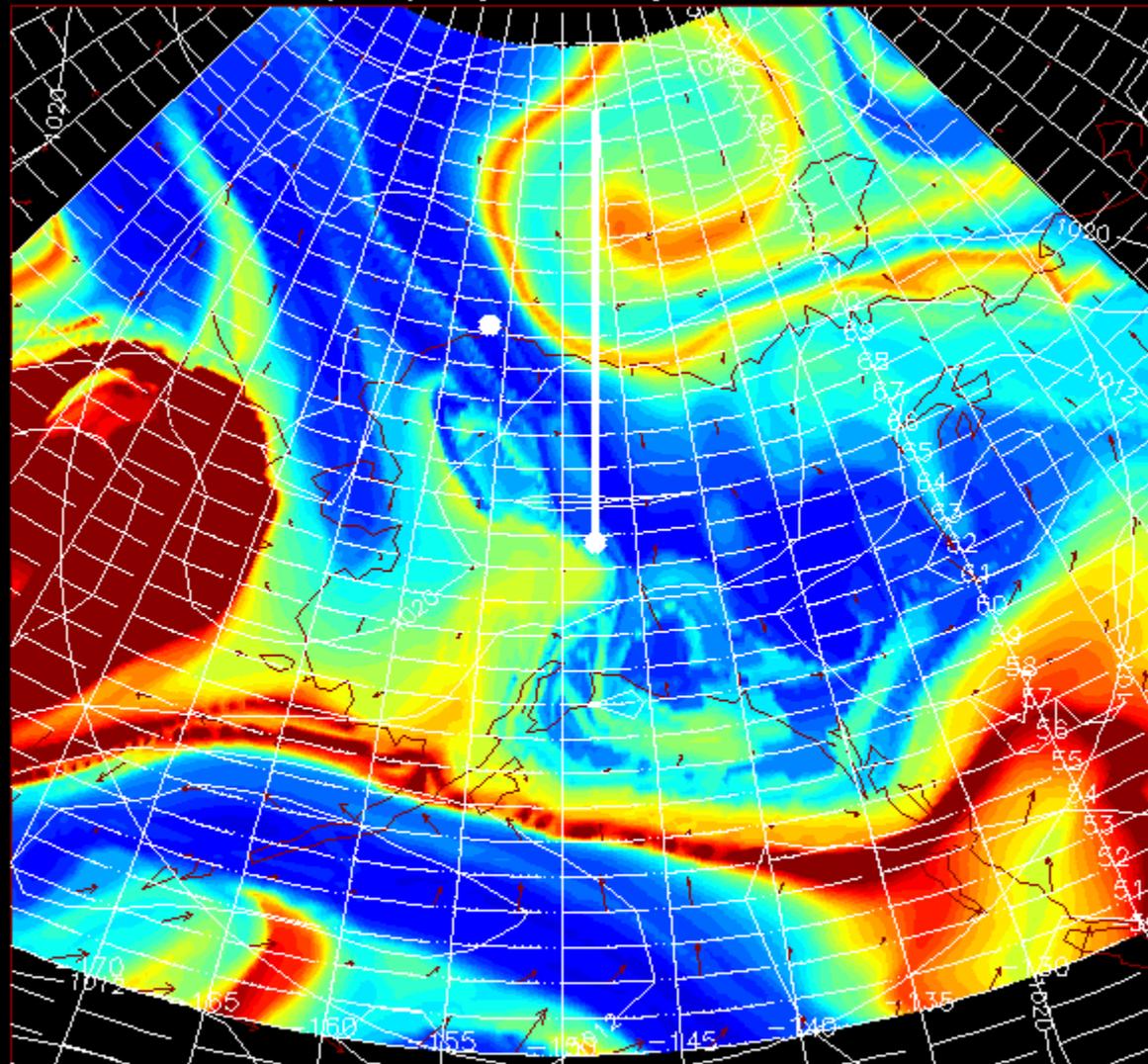


1-2pptv BrO SFC enhancements at initial location of Wen (04/10) Barrow Parcels

1km 5-day Lagrangian Averaged S04 2008040800



1km 5-day Lagrangian Averaged SO4 2008040900



0

200

400

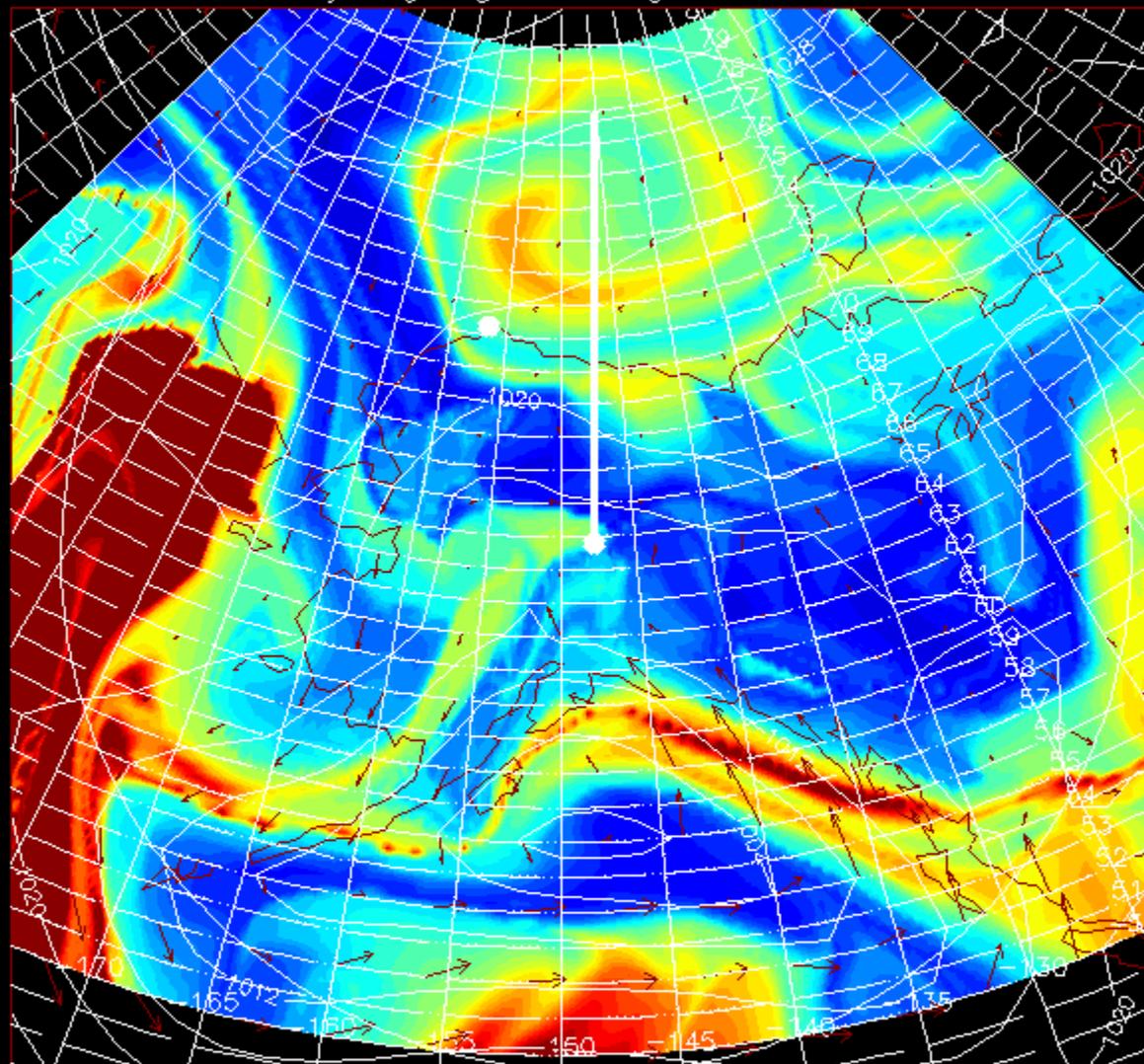
(pptv)

600

800

1000

1km 5-day Lagrangian Averaged SO4 2008041000



108hr FX iso4 CI= 25.0000 max= 879.243
RAQMS_20080410_00Z_108hr_fcst_rdf_curtain_arcpac.dat

