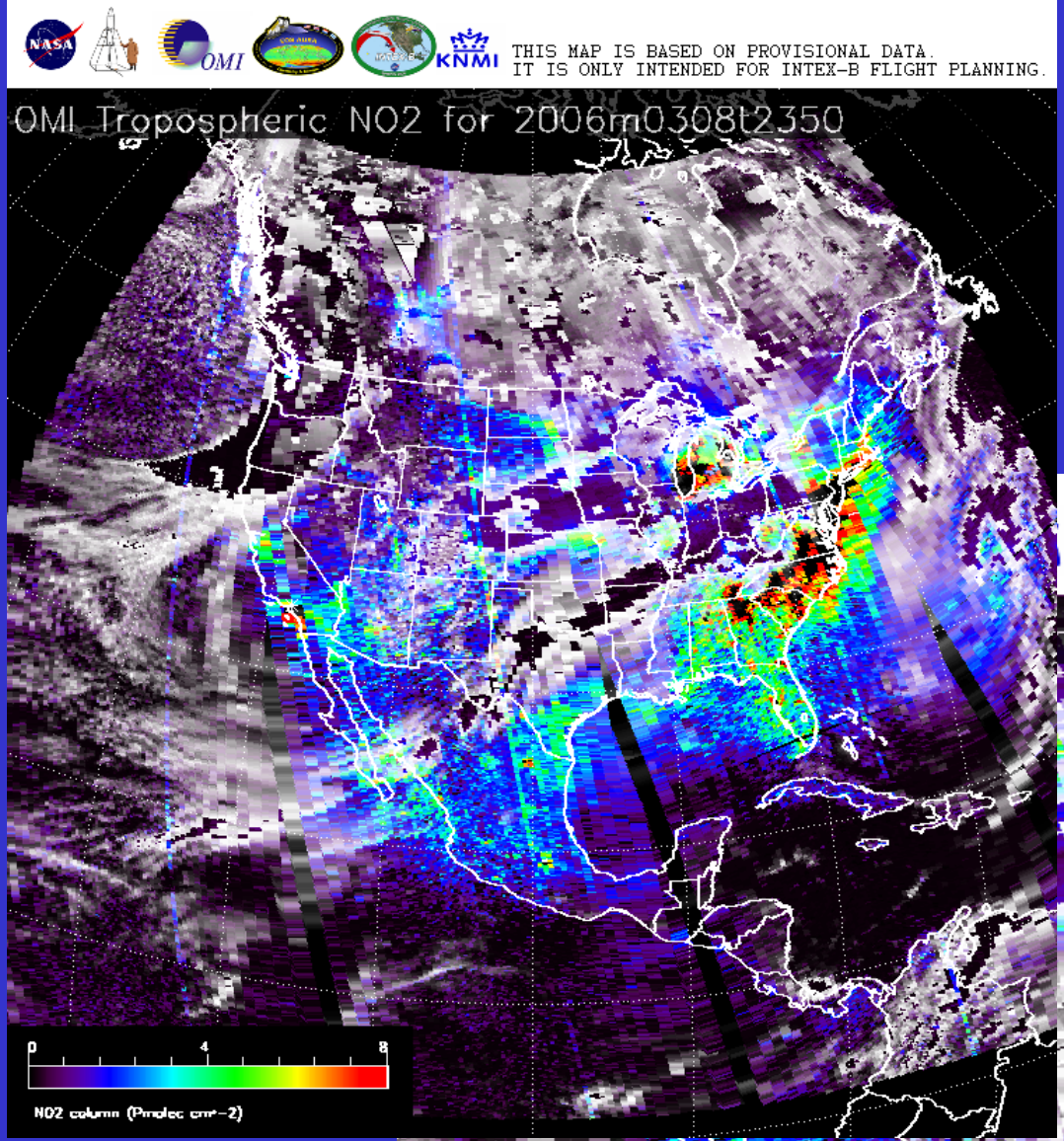
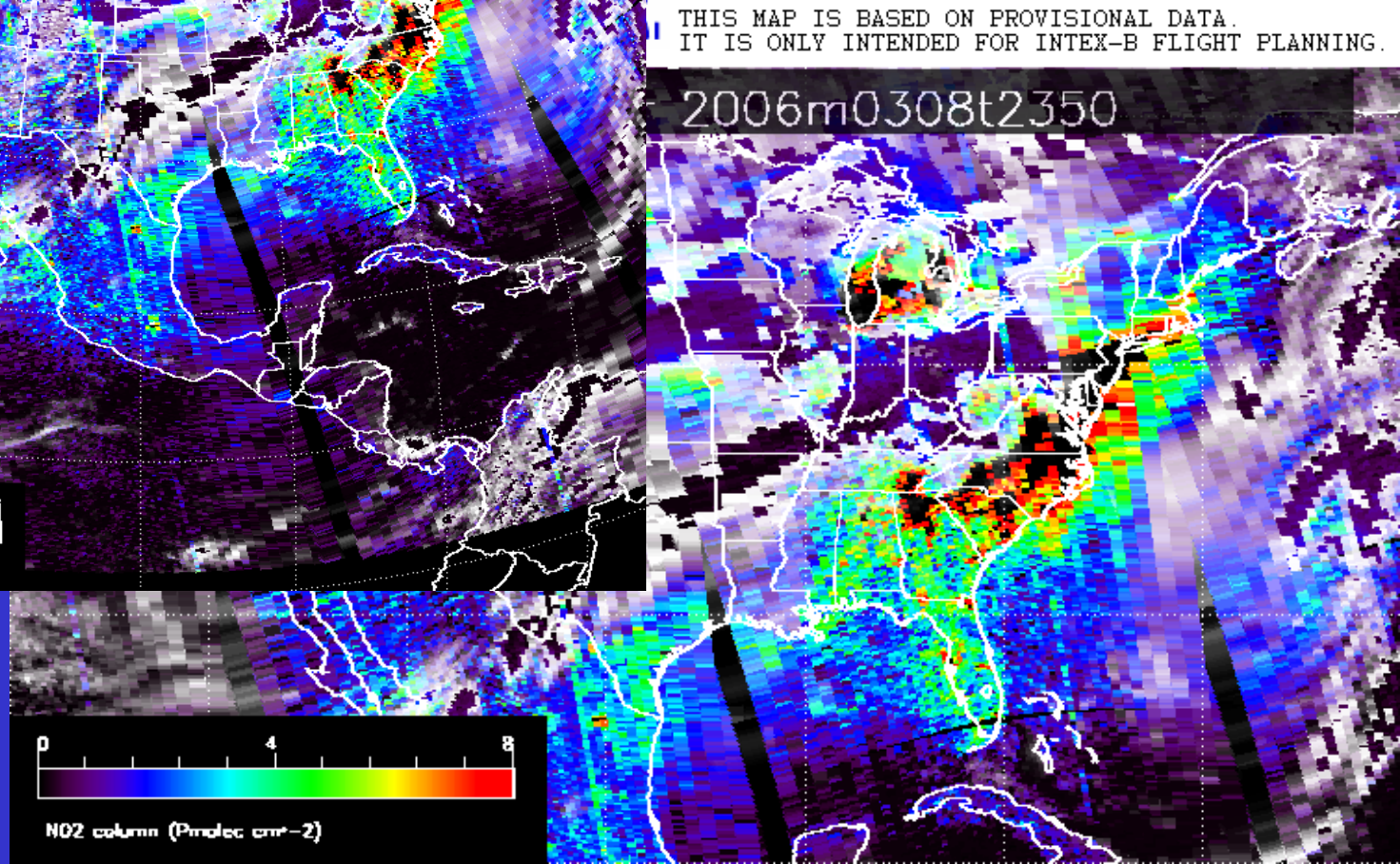
WED'S OMI NO_2



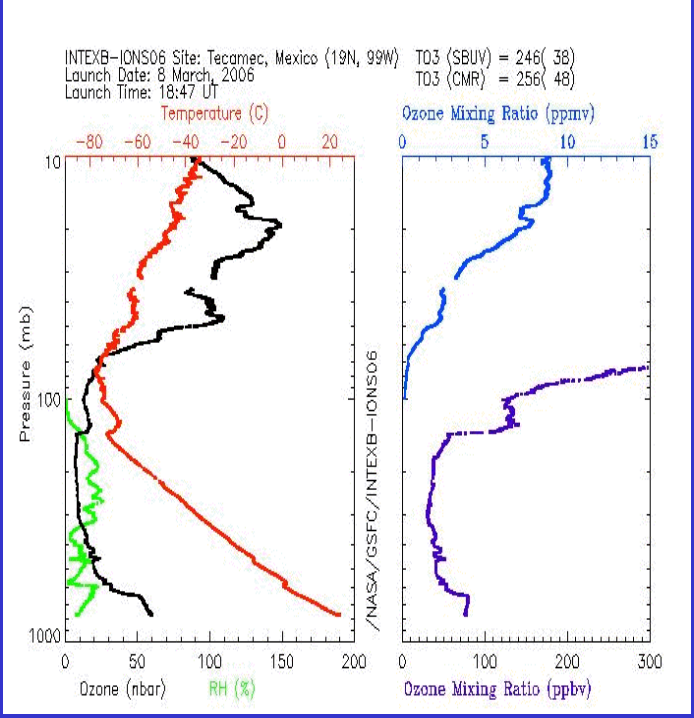


YESTERDAY,

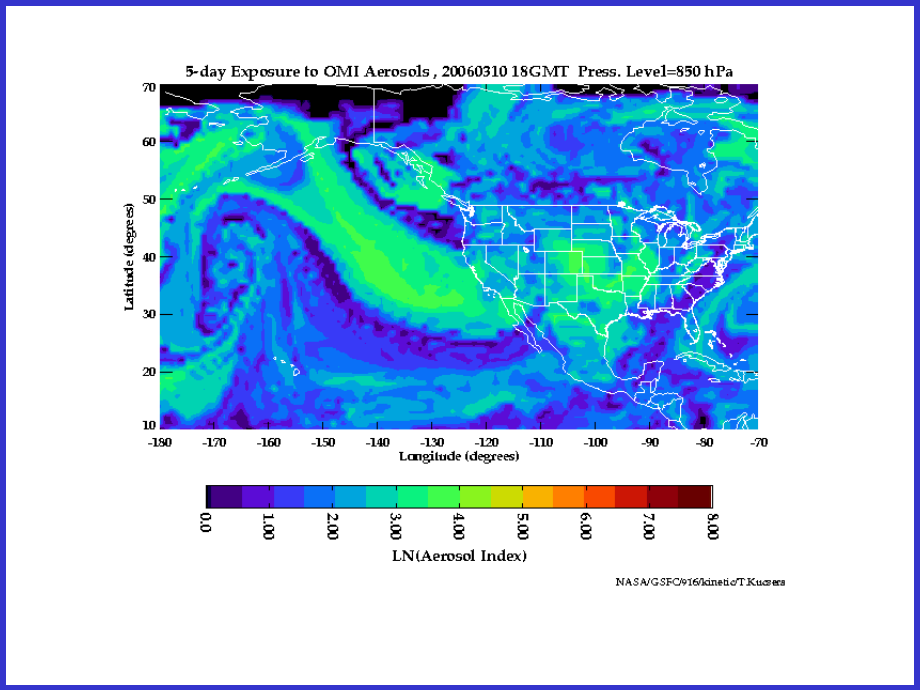
Ames-GSFC Trajectory/Satellite Prods

L. Pfister / K. Pickering / R. Chatfield

Mexico City gets cooking



Asian influence over California



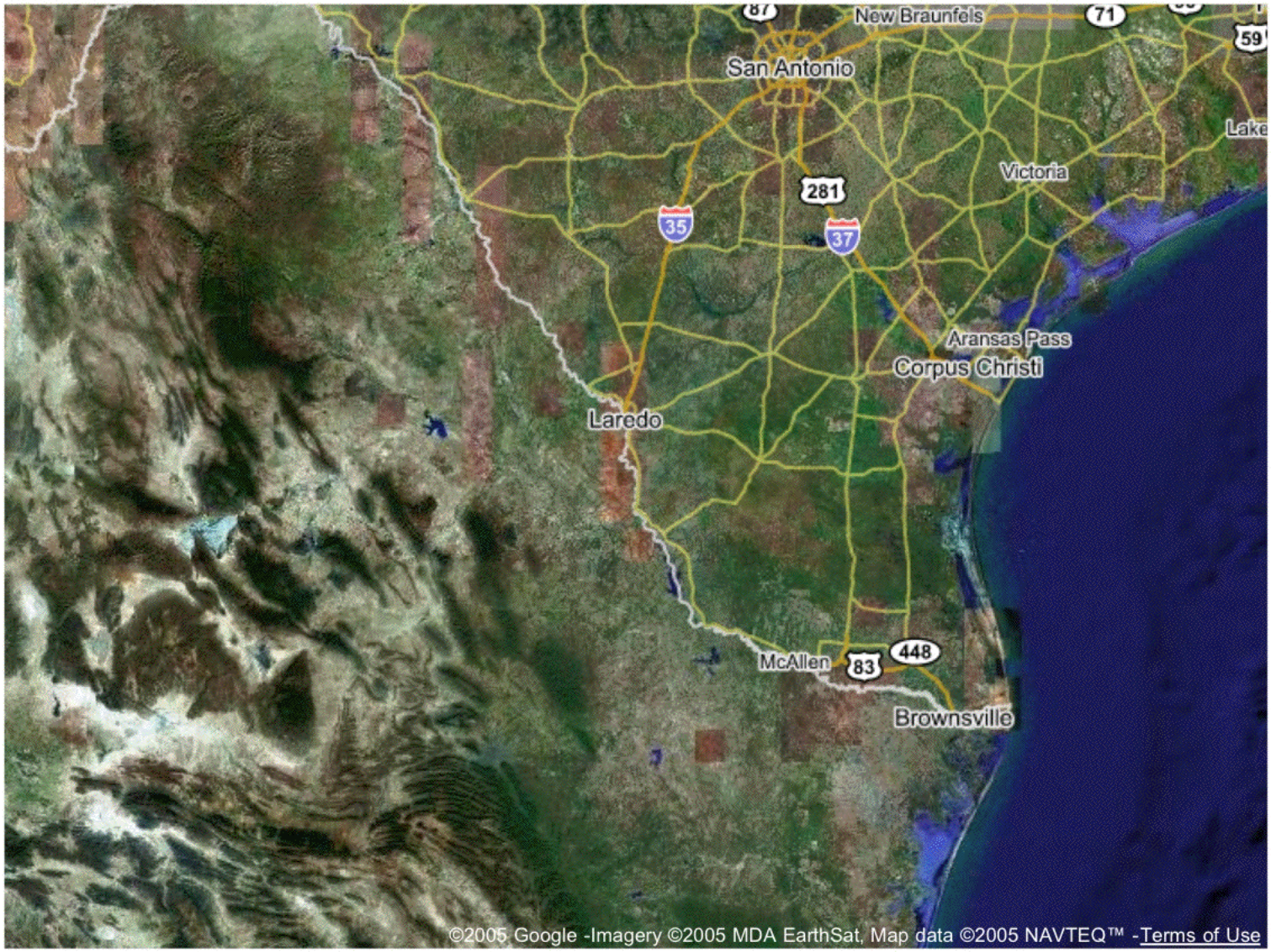
Google Local – Laredo, TX

OMI VALIDATION OPPORTUNITY (but not Saturday)

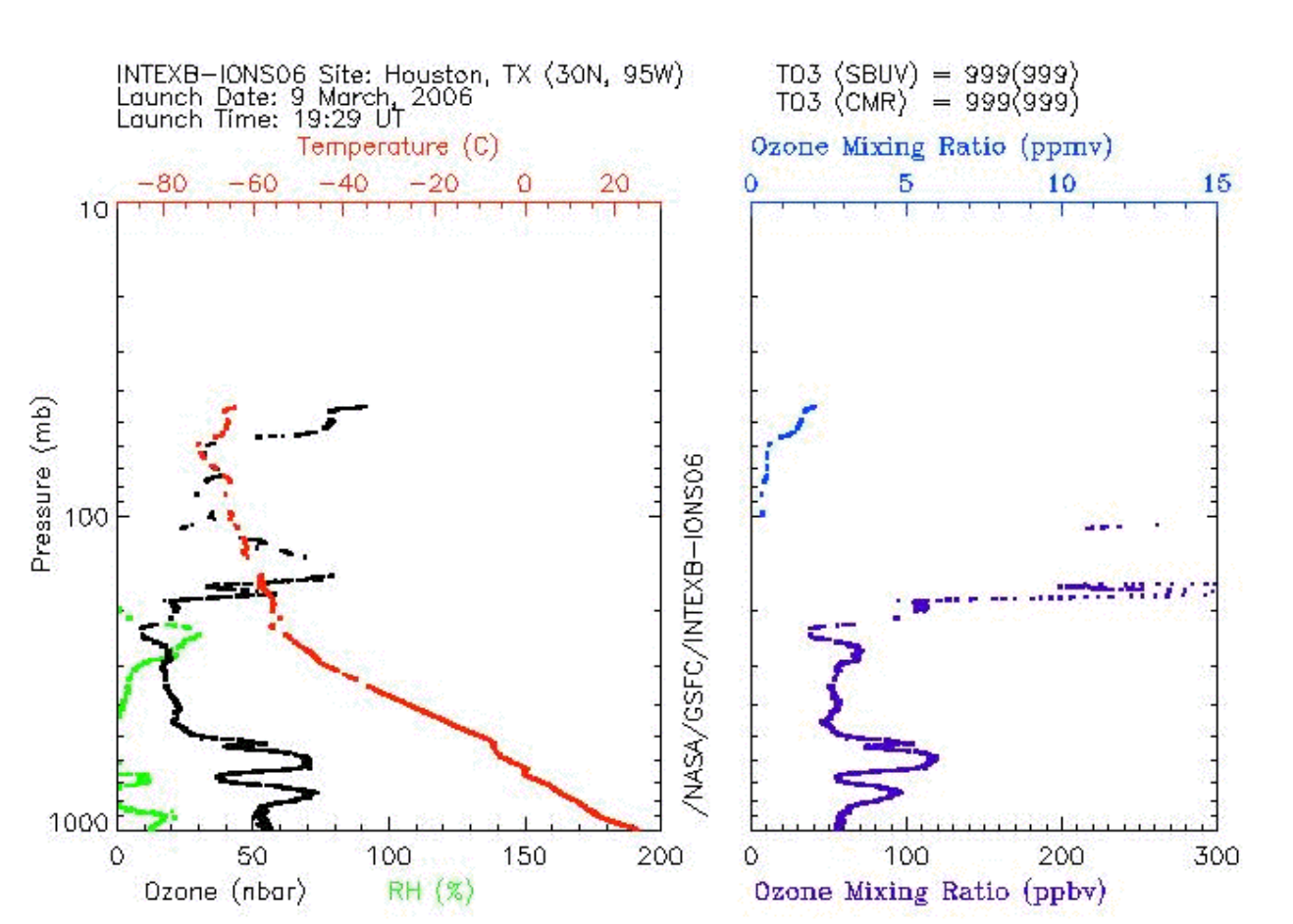
03/09/2006 02:28 PM

Google Local

To see all the details that are visible on the screen,use the "Print" link next to the map.

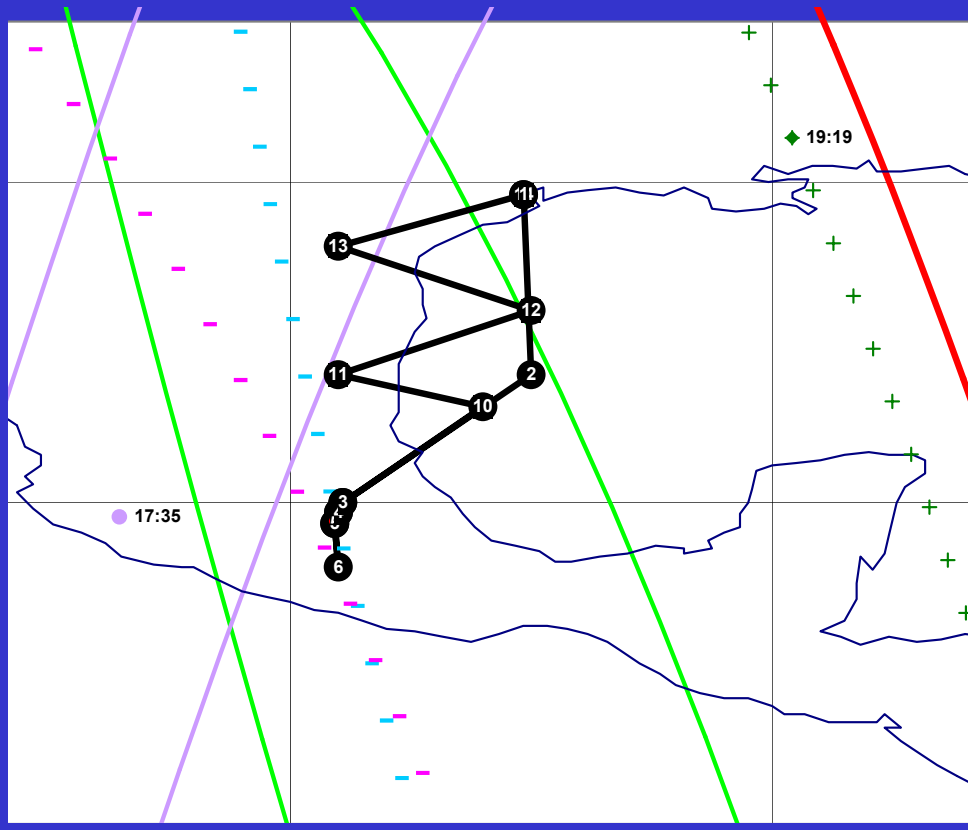


Houston Ozone heading up

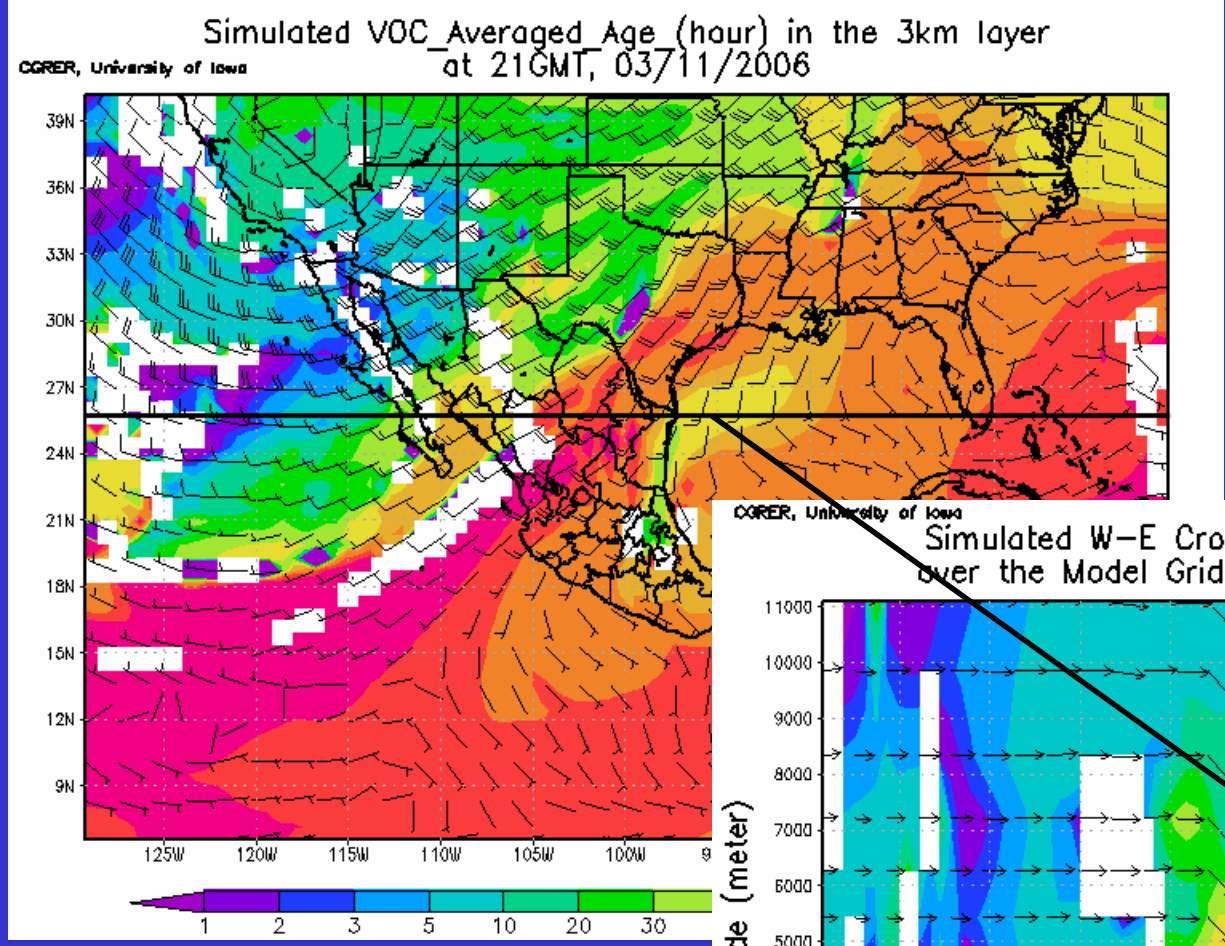


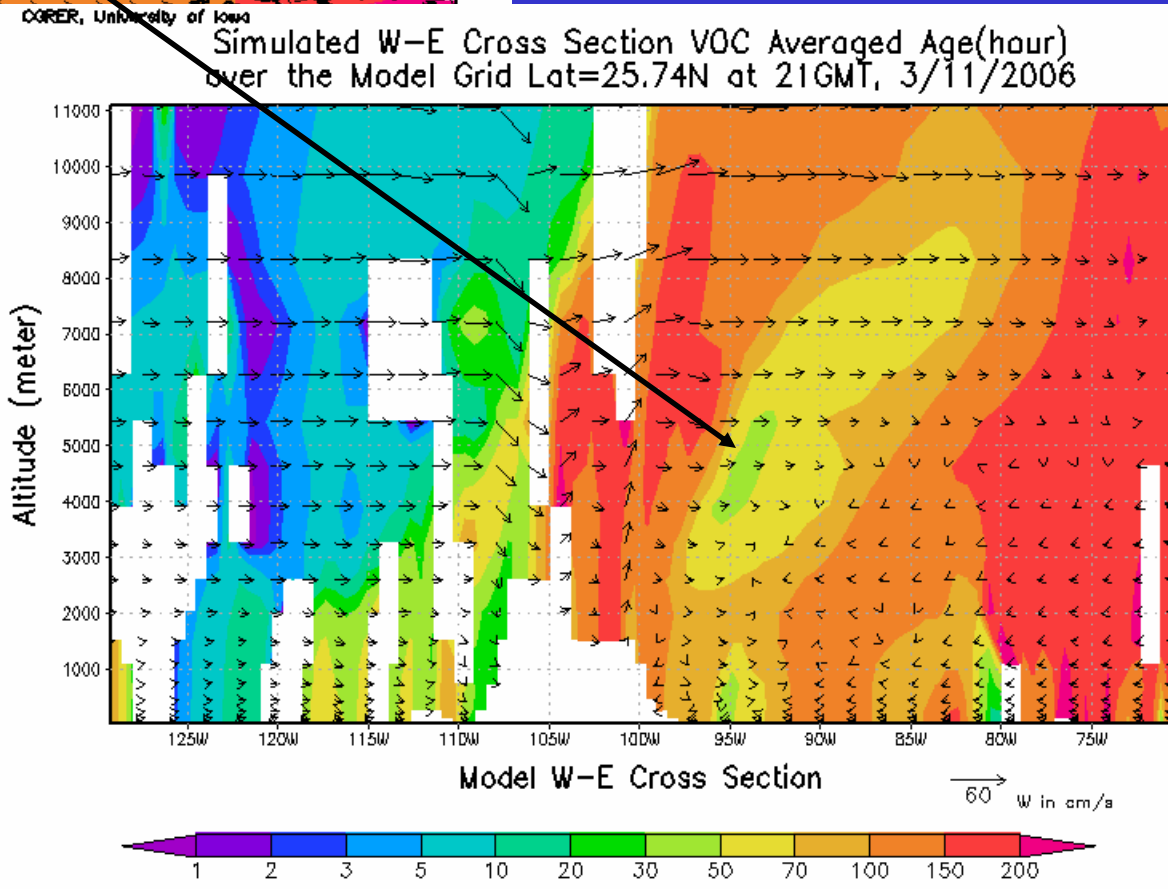
Plan for INTEX-B flight#5 – Houston local 3 on Saturday 3/11 updated 3/10 @18Z

Objective: Lagrangian Mexico City plume experiment, coordinated with C-130 flying Friday



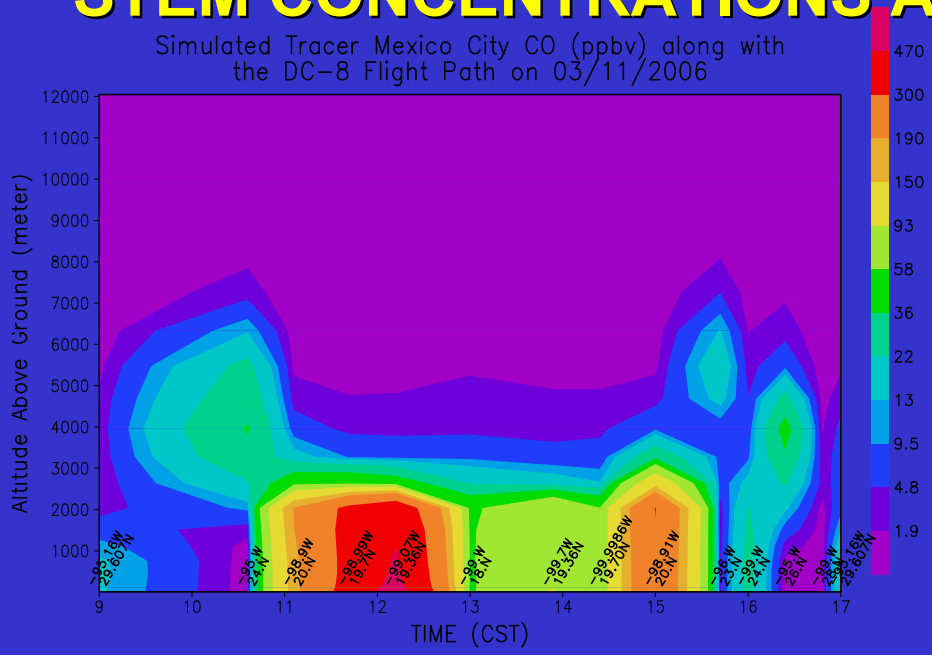
- Take-off at 11 a.m.
- Points 1-2: vertical profiling (MC plume at ~ 3 km)
- Points 2-6: DIAL mapping of MC Basin (T0-T1-T2)
- Points 6-8: MC Basin sampling
- Points 8-13: criss-crossing of MC plume (0-4 km)

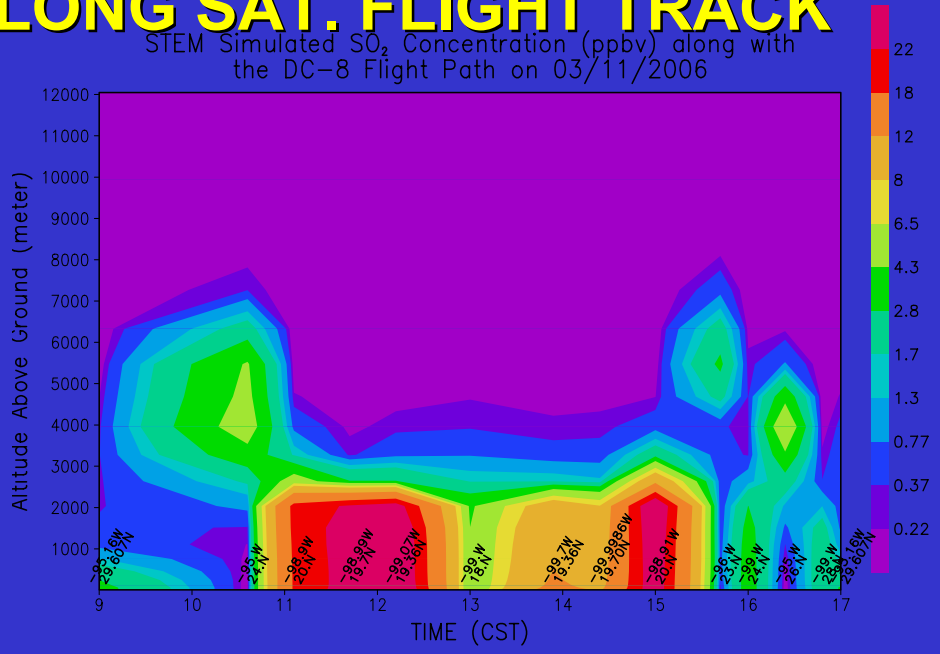


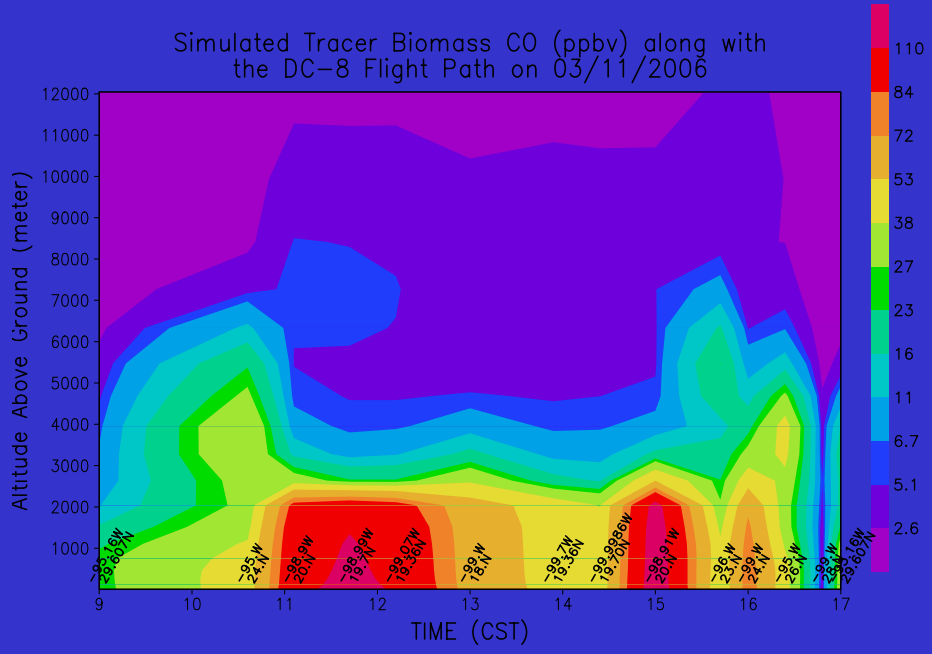


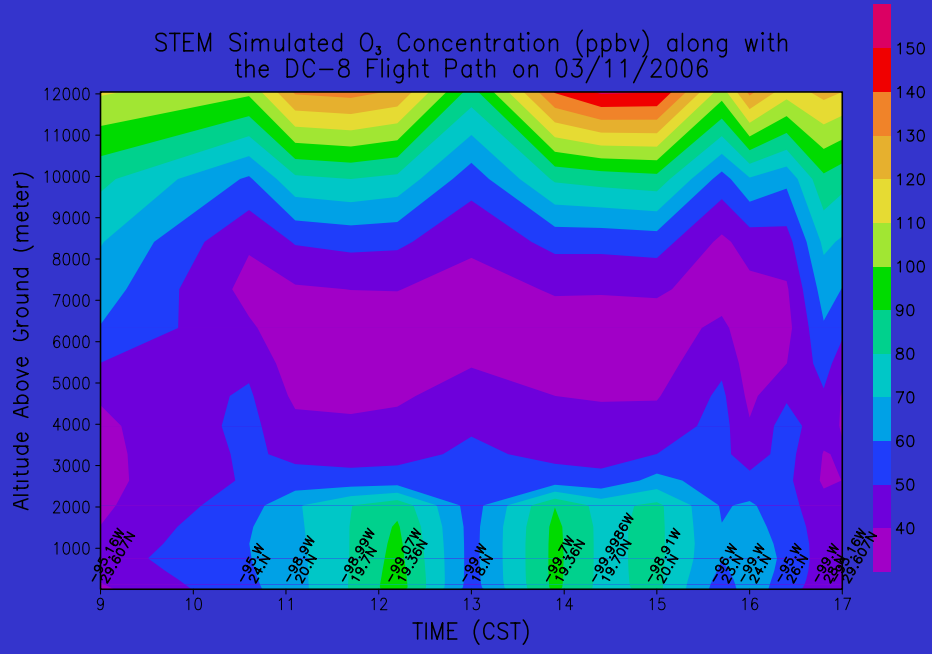
We will see lifting of the fresh airmass from Mexico City on Saturday

STEM CONCENTRATIONS ALONG SAT. FLIGHT TRACK

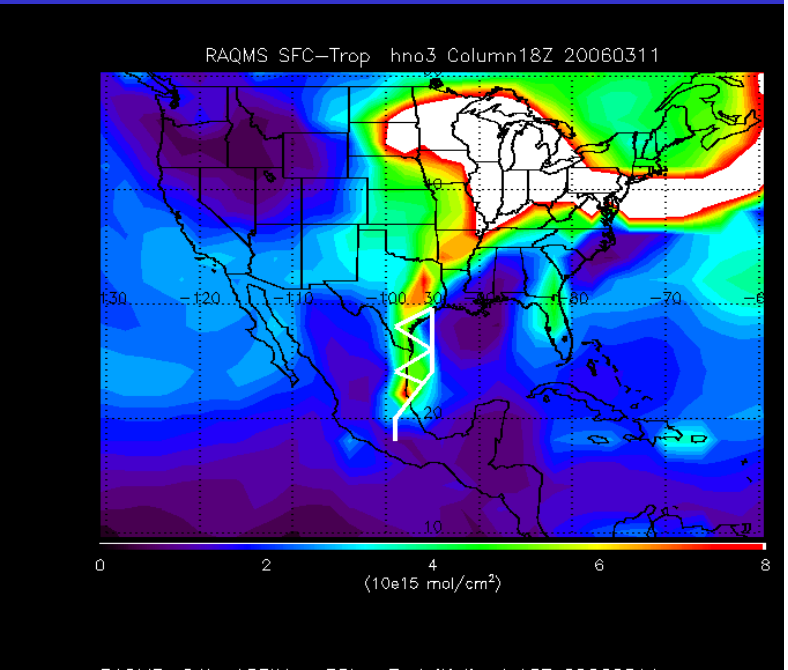


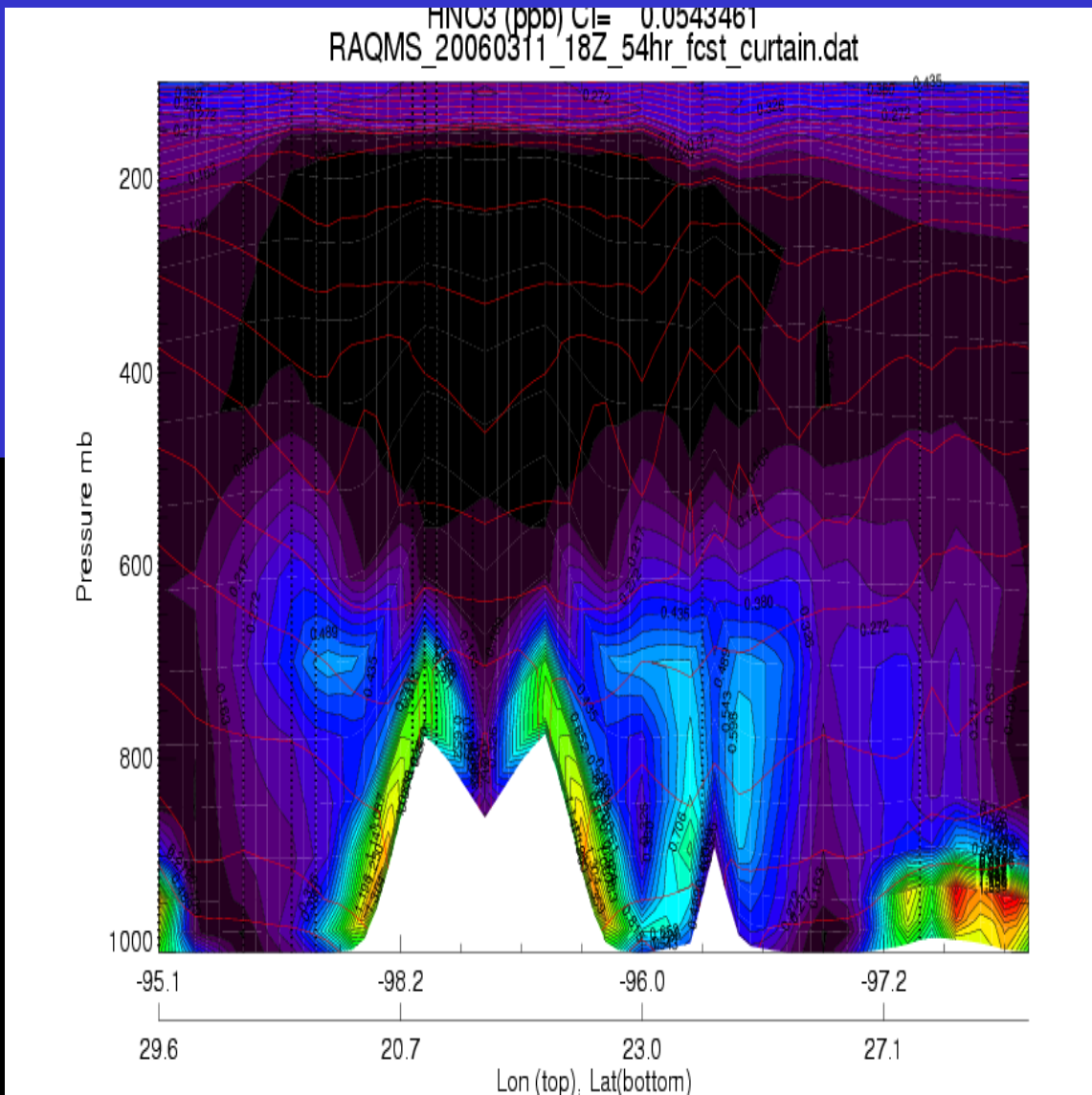




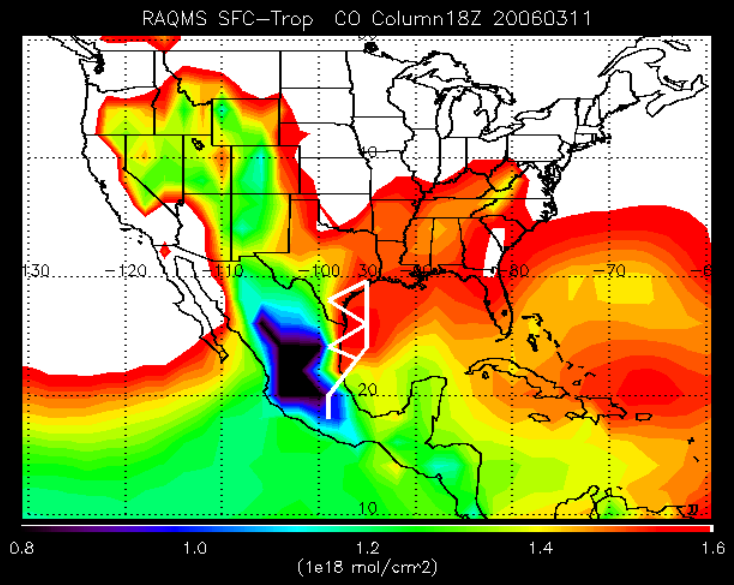


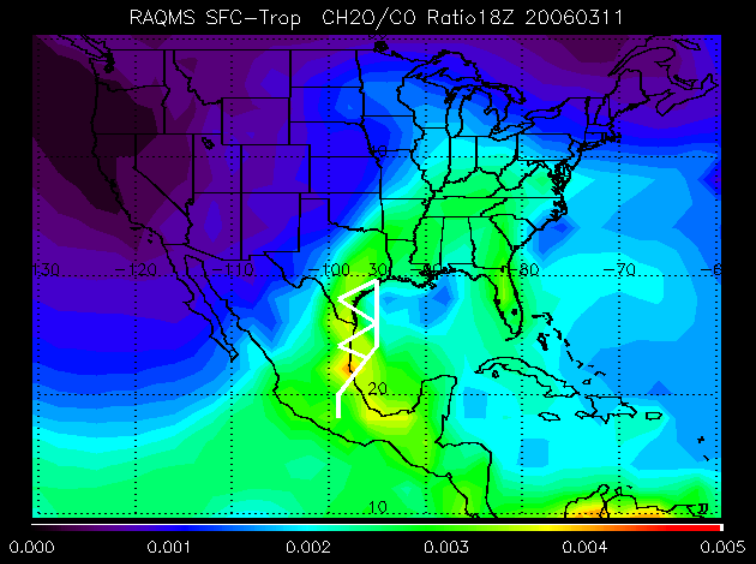
RAQMS HNO_3 forecast along Saturday flight track

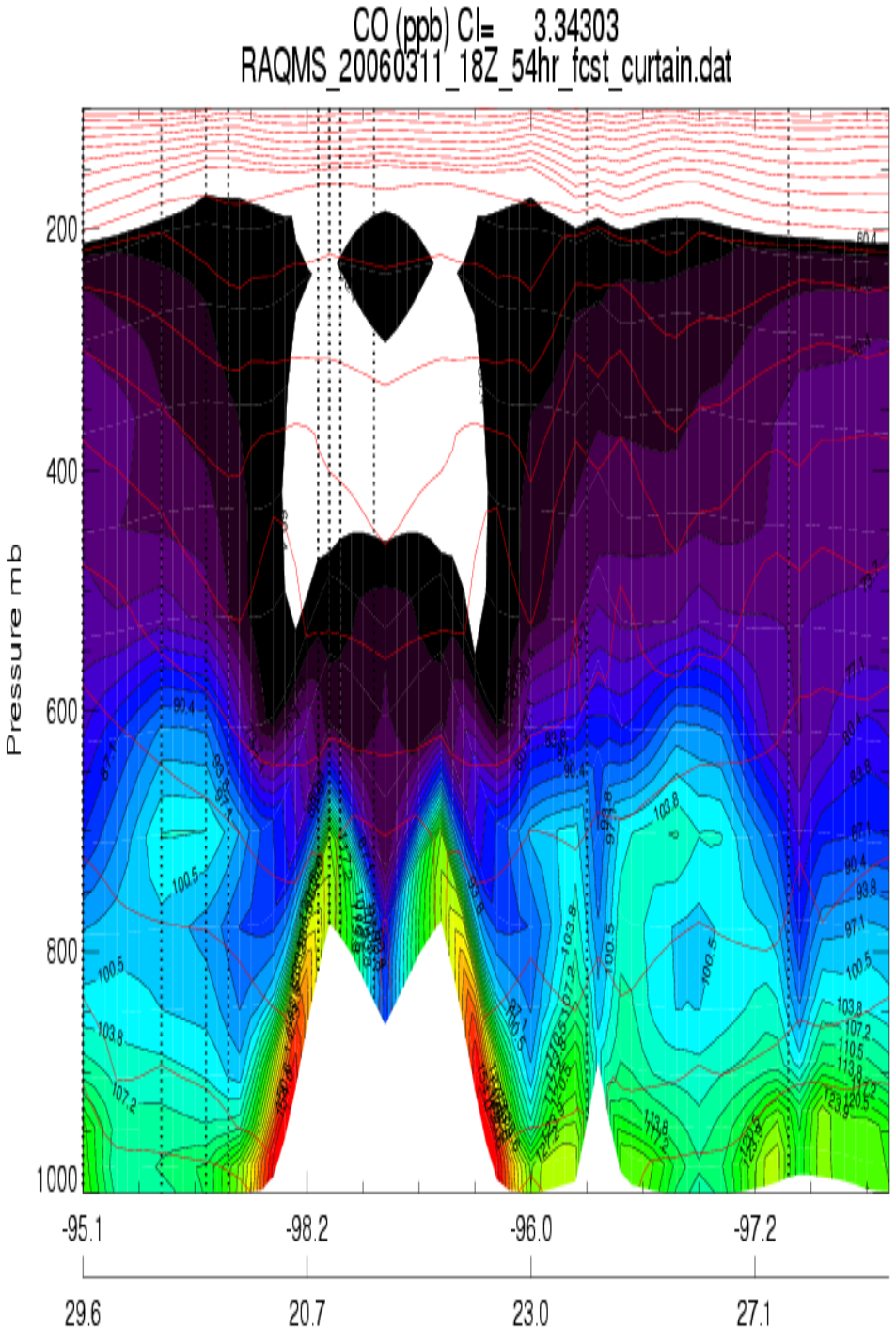


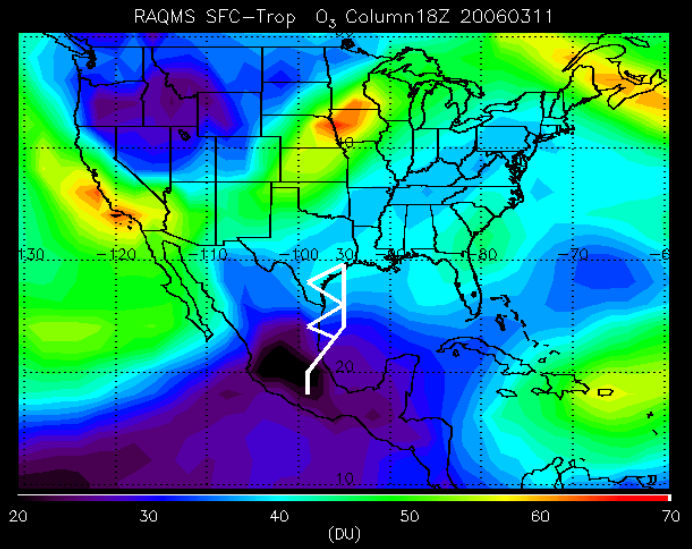


RAQMS CO along flt. track





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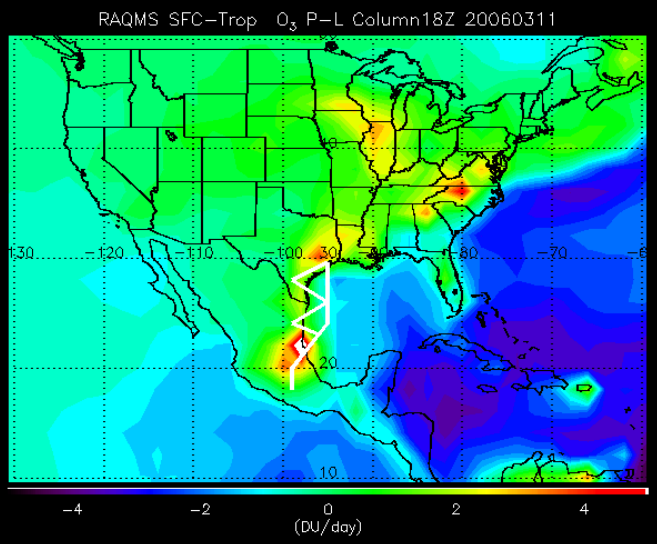
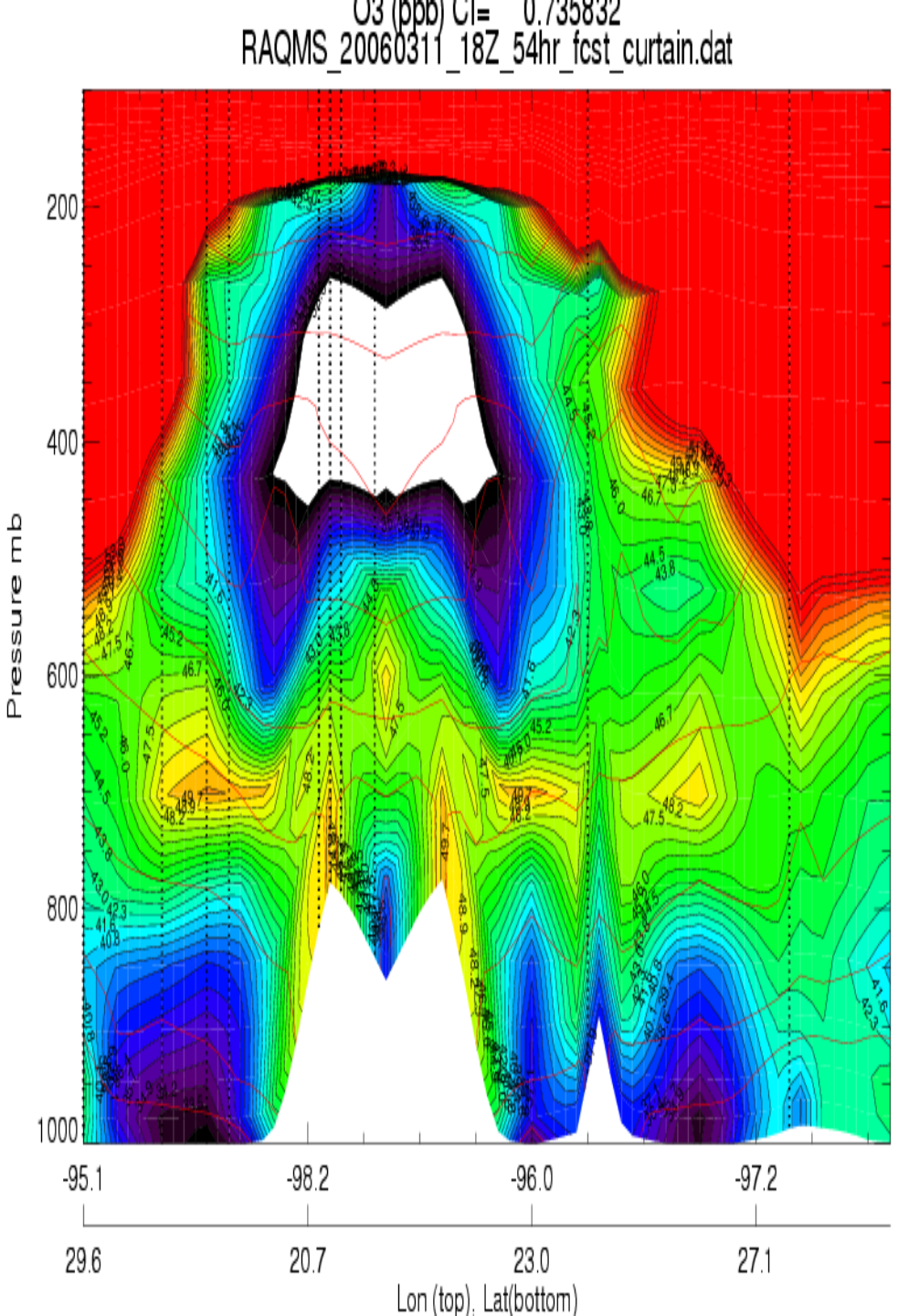
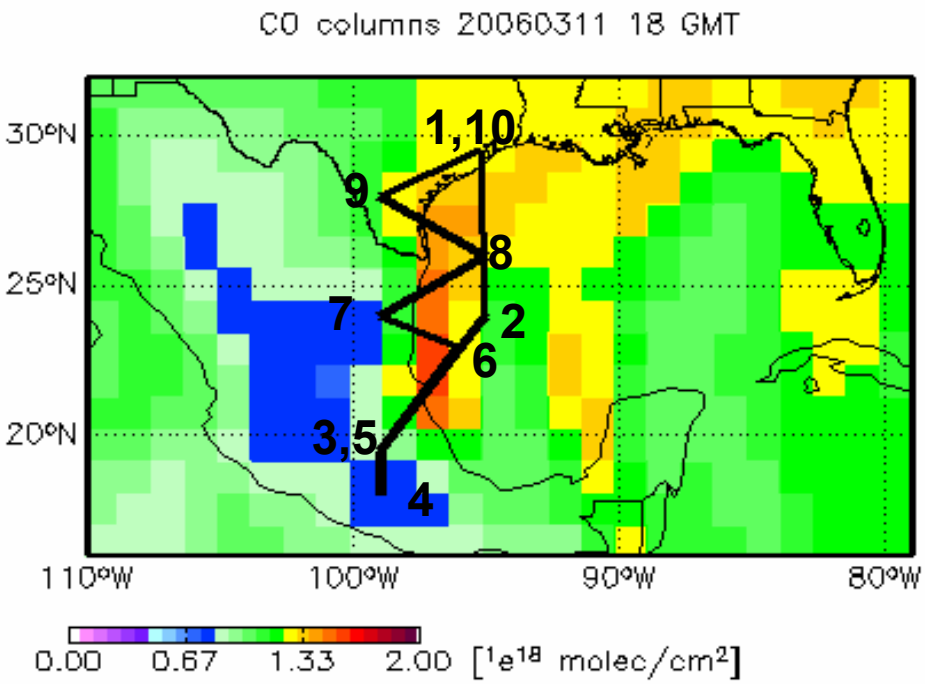
20
30
40
50
60
70
(DU)

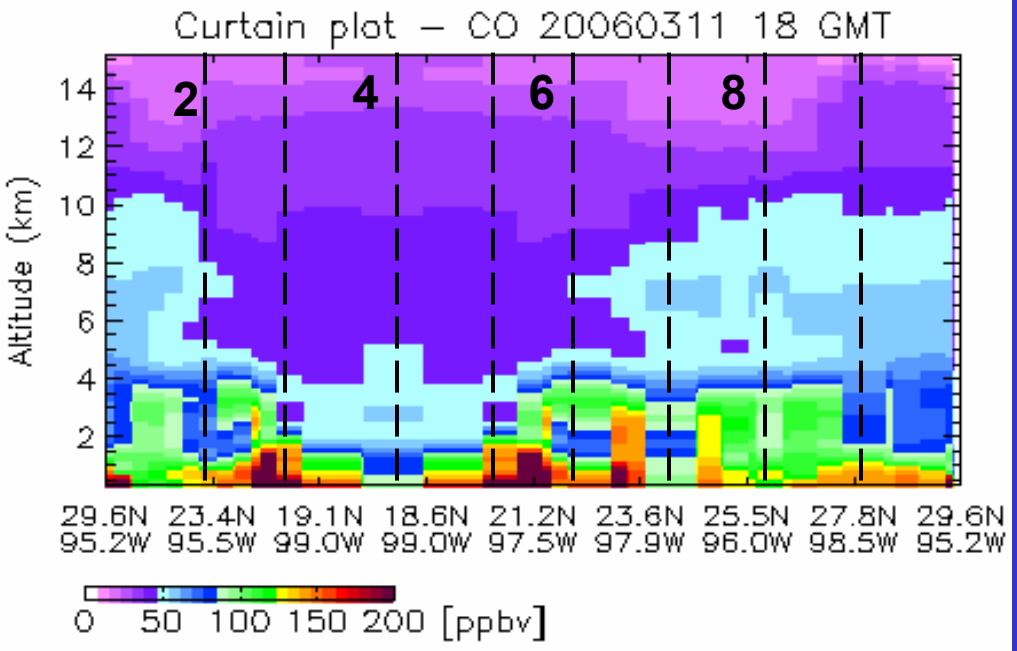

RAQMS SFC–Trop O_3 P–L Column18Z 20060311
−4
−2
0
2
4
(DU/day)


O3 (ppb) CI= 0.735832
RAQMS_20060311_18Z_54hr_fcst_curtain.dat
Pressure mb
200
400
600
800
1000
-95.1
-98.2
-96.0
-97.2
29.6
20.7
23.0
27.1
Lon (top), Lat(bottom)

GMAO Saturday Noon

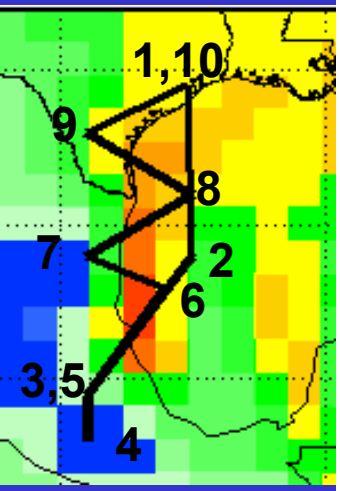


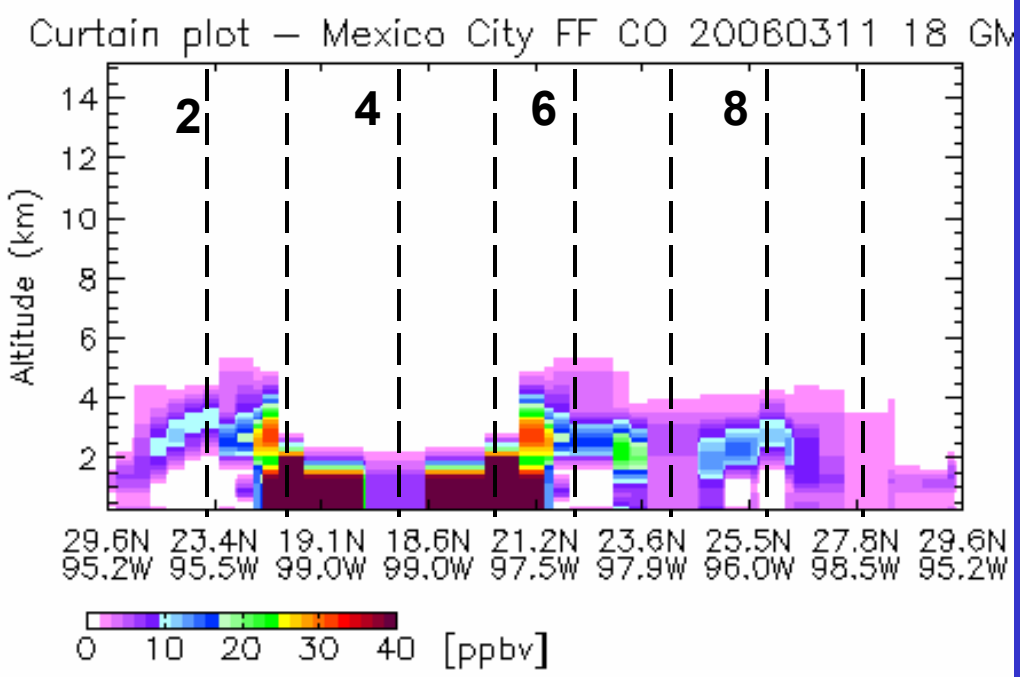
CO Column

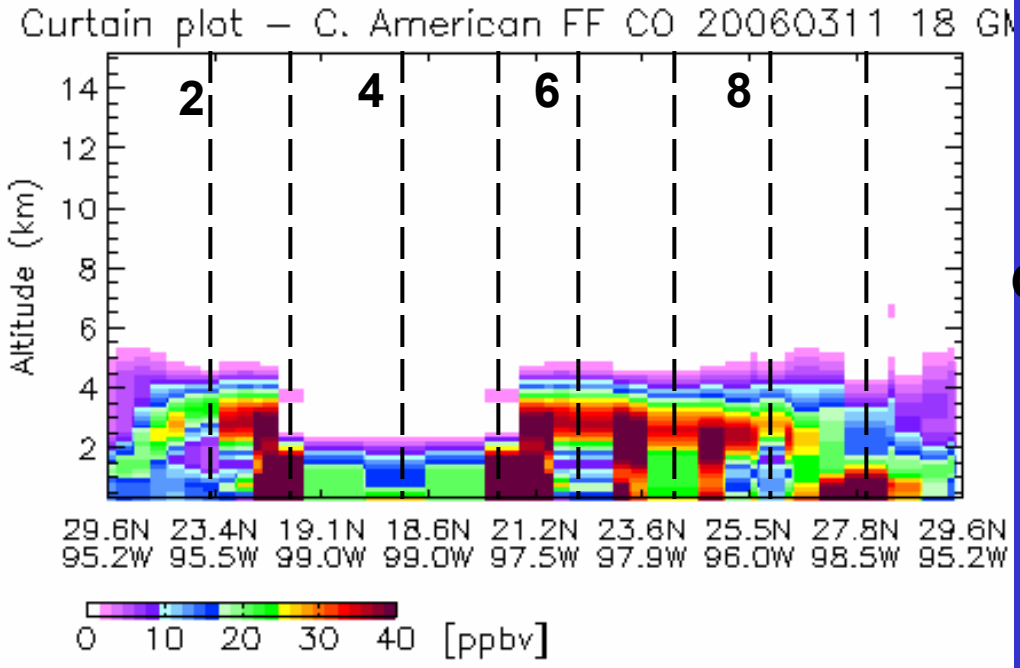


CO Curtain

Initialized 3.10 0Z







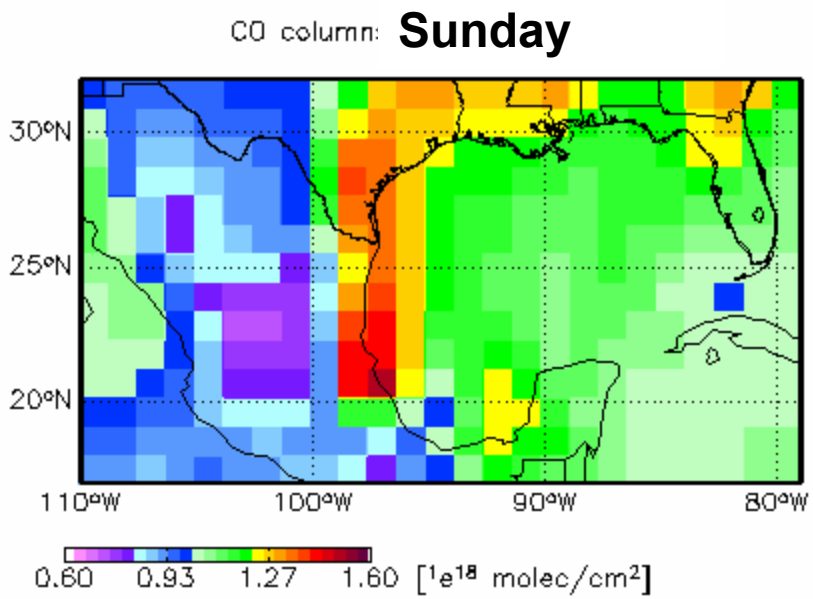
GMAO Saturday Noon

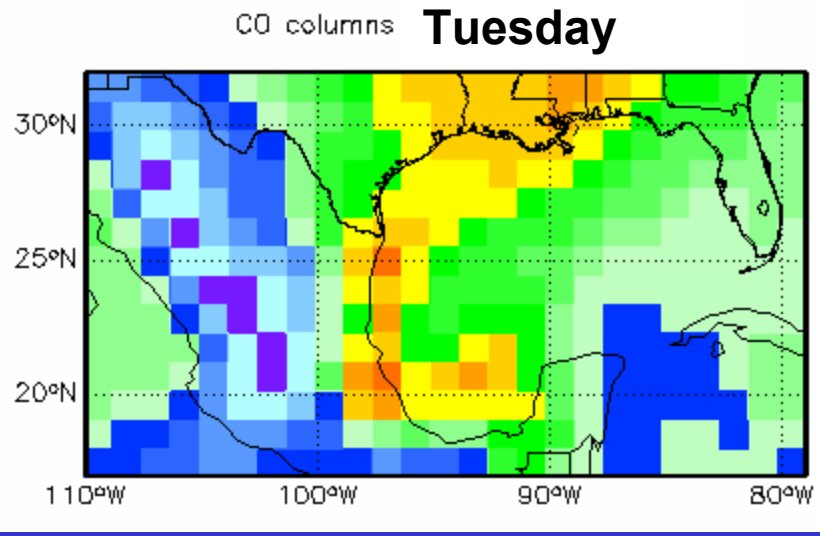
Mexico City CO

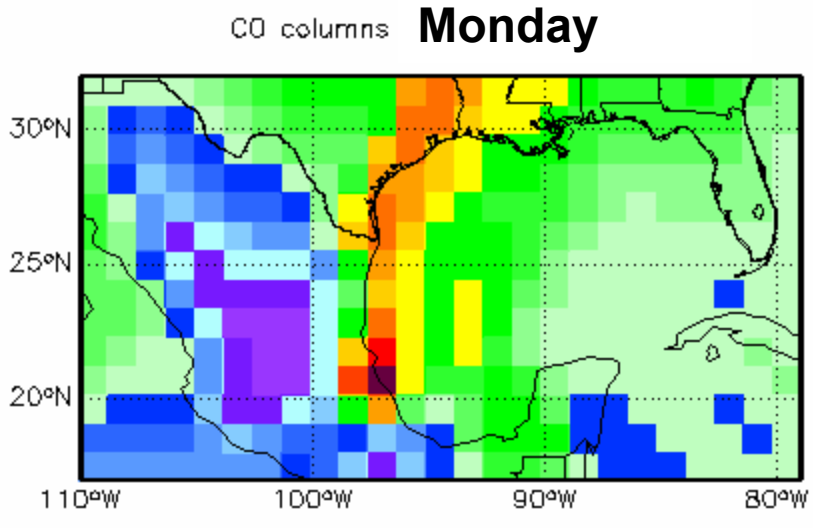
C. America CO

Initialized 3.09 12Z

Sunday (3/11) → Tuesday (3/13)







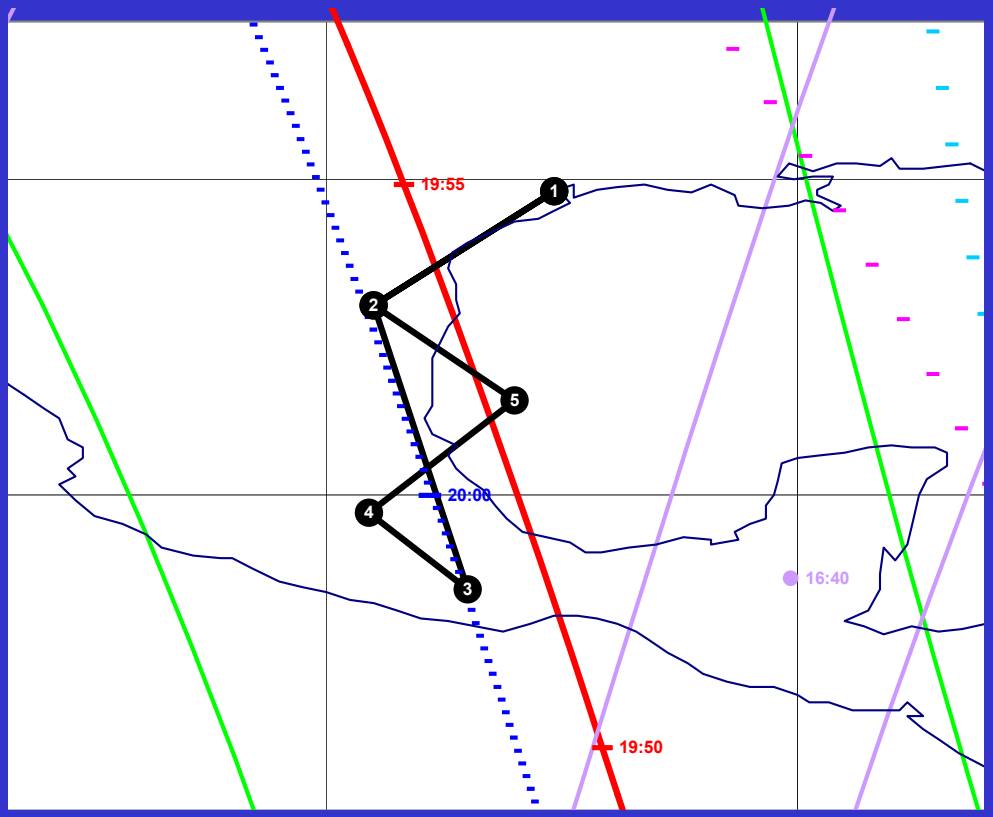
MC outflow diminishes through Tuesday

Biomass burning may persist on the shores of the Bay of Campeche

So we focus on Sunday…

Plan for INTEX-B flight#6 – Houston local 4 on Sunday 3/11
updated 3/10 @18Z

Objectives: Mexico City plume, TES+OMI validation



- Take-off at noon
- Points 2-3: DIAL mapping and vertical profiling along TES track, spirals at ends
- Points 3-5: vertical profiling of MC Basin and outflow
- Points 5-1: criss-crossing of MC plume