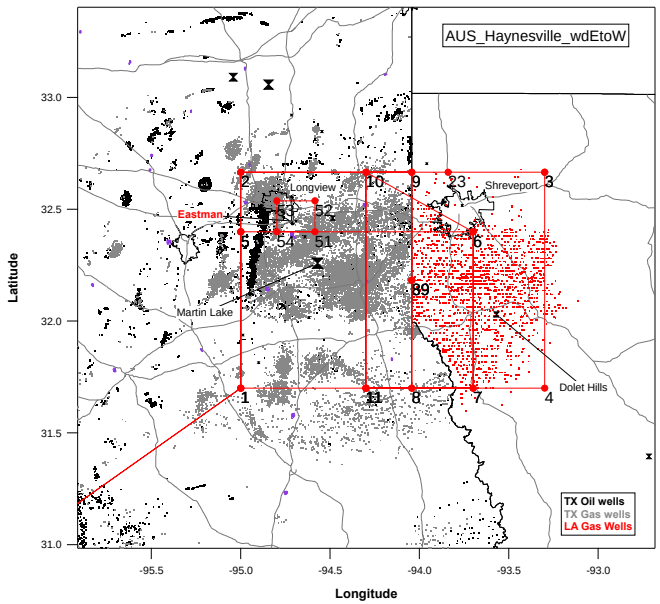
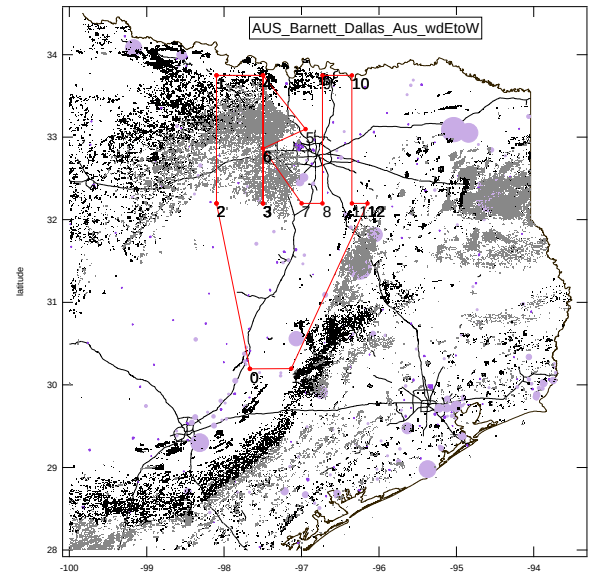
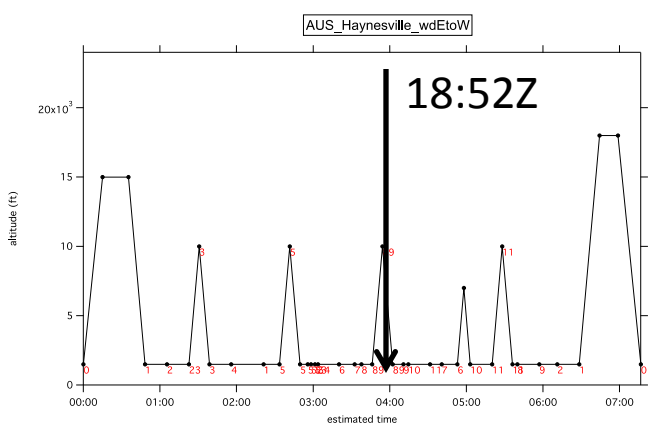
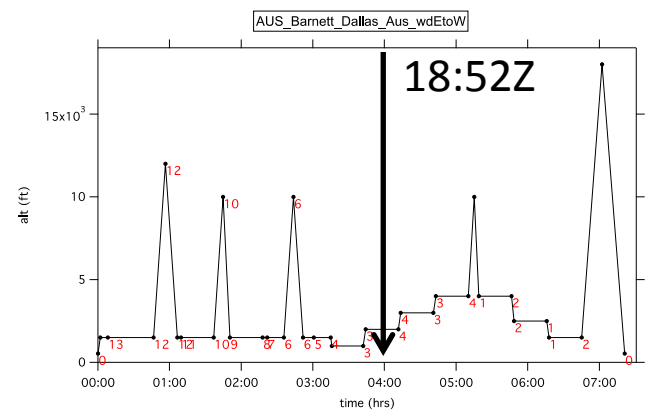
RAQMS 20150403 SONGNEX
54hr FX for 18Z April 04, 2015







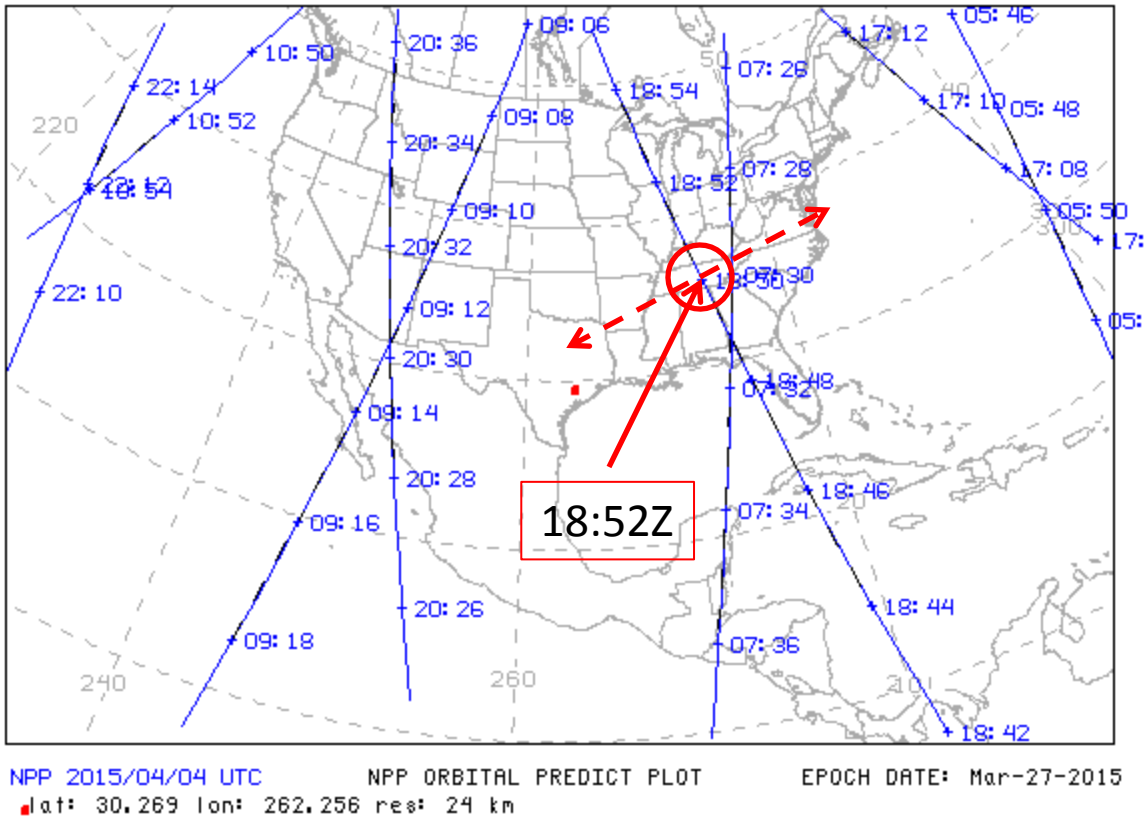


Assuming 10am Central Take-off

S-NPP (CrIS) overpass on 2015/04/02

NUCAPS CO2, O3, CO, CH4 Validation Opportunity –***western swath***

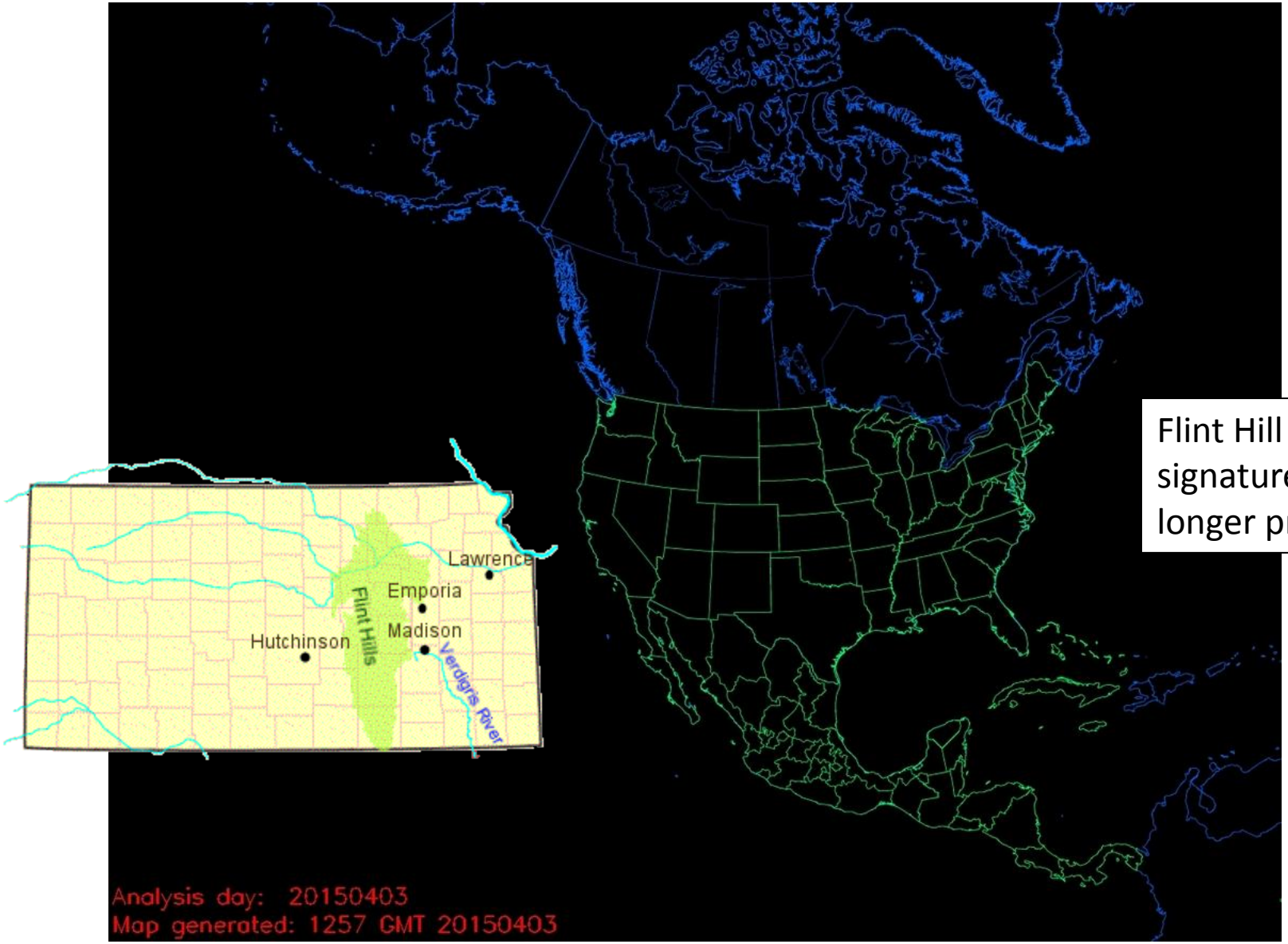
S-NPP overpass over Dallas at 18:52Z (1:52pm Central)



Approximate swath width

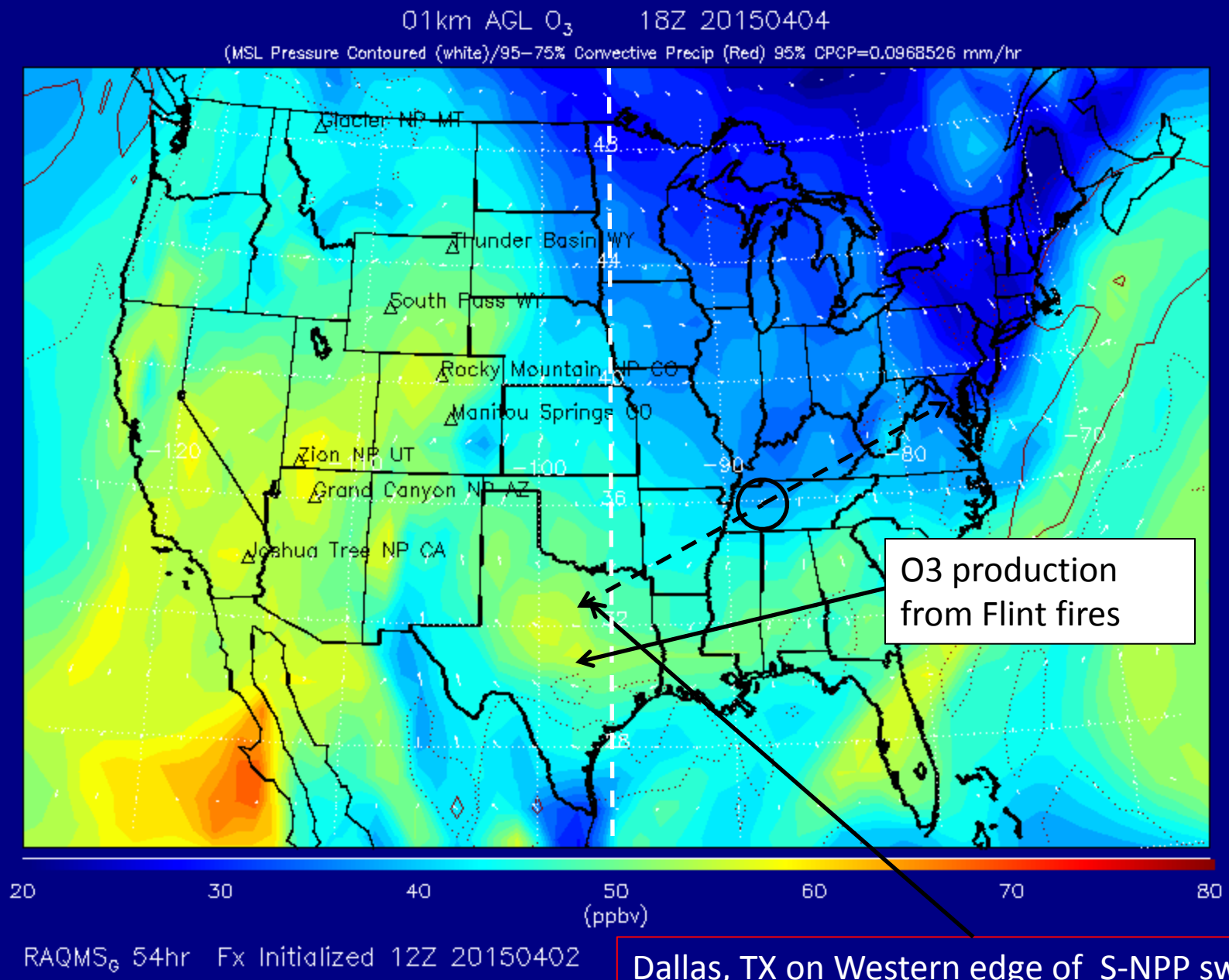
NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg



Flint Hill fire signature is no longer present

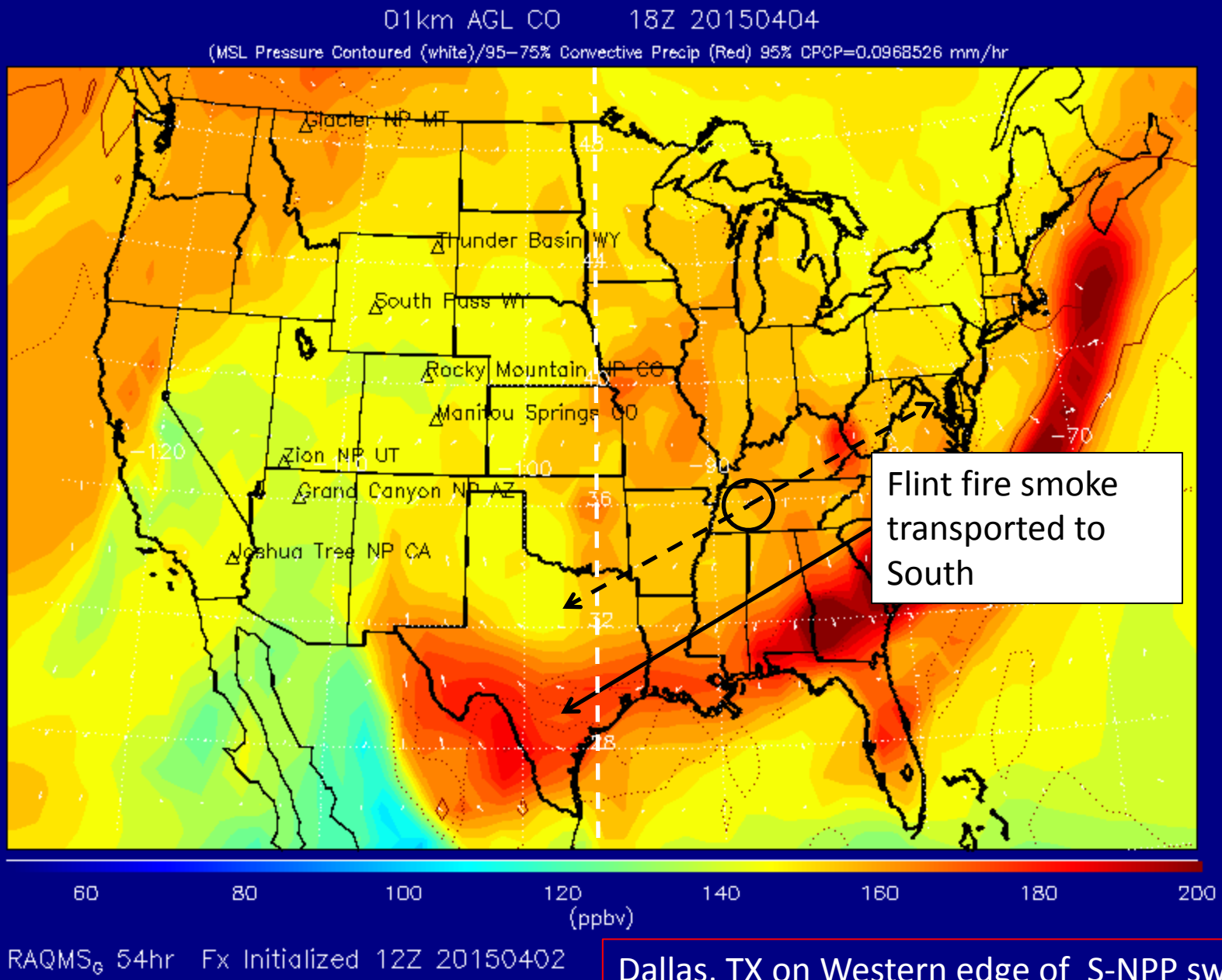
http://raqms.ssec.wisc.edu/forecast/view/20150402



Dallas, TX on Western edge of S-NPP swath

Approximate swath width

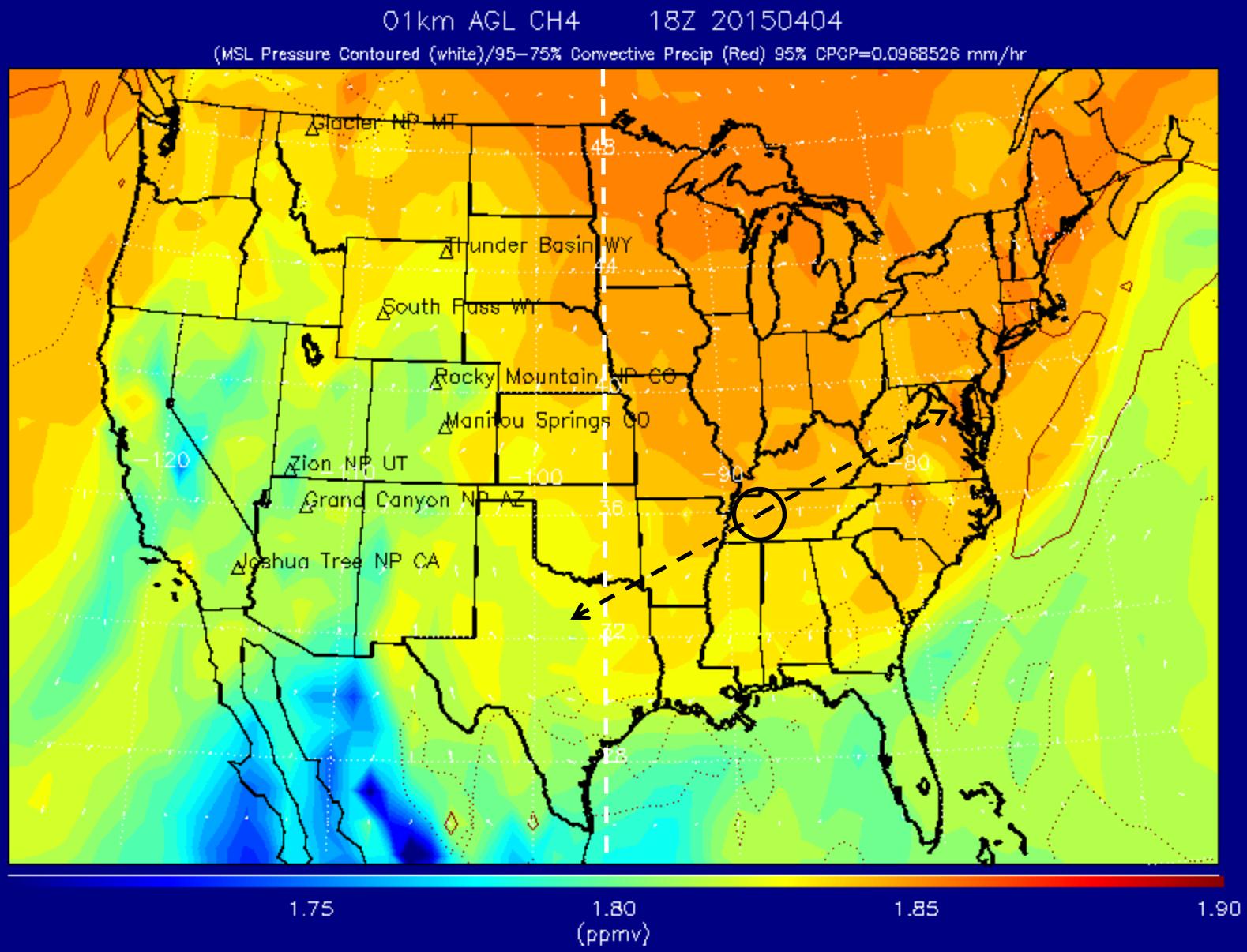
http://raqms.ssec.wisc.edu/forecast/view/20150402



Dallas, TX on Western edge of S-NPP swath

Approximate swath width

http://raqms.ssec.wisc.edu/forecast/view/20150402

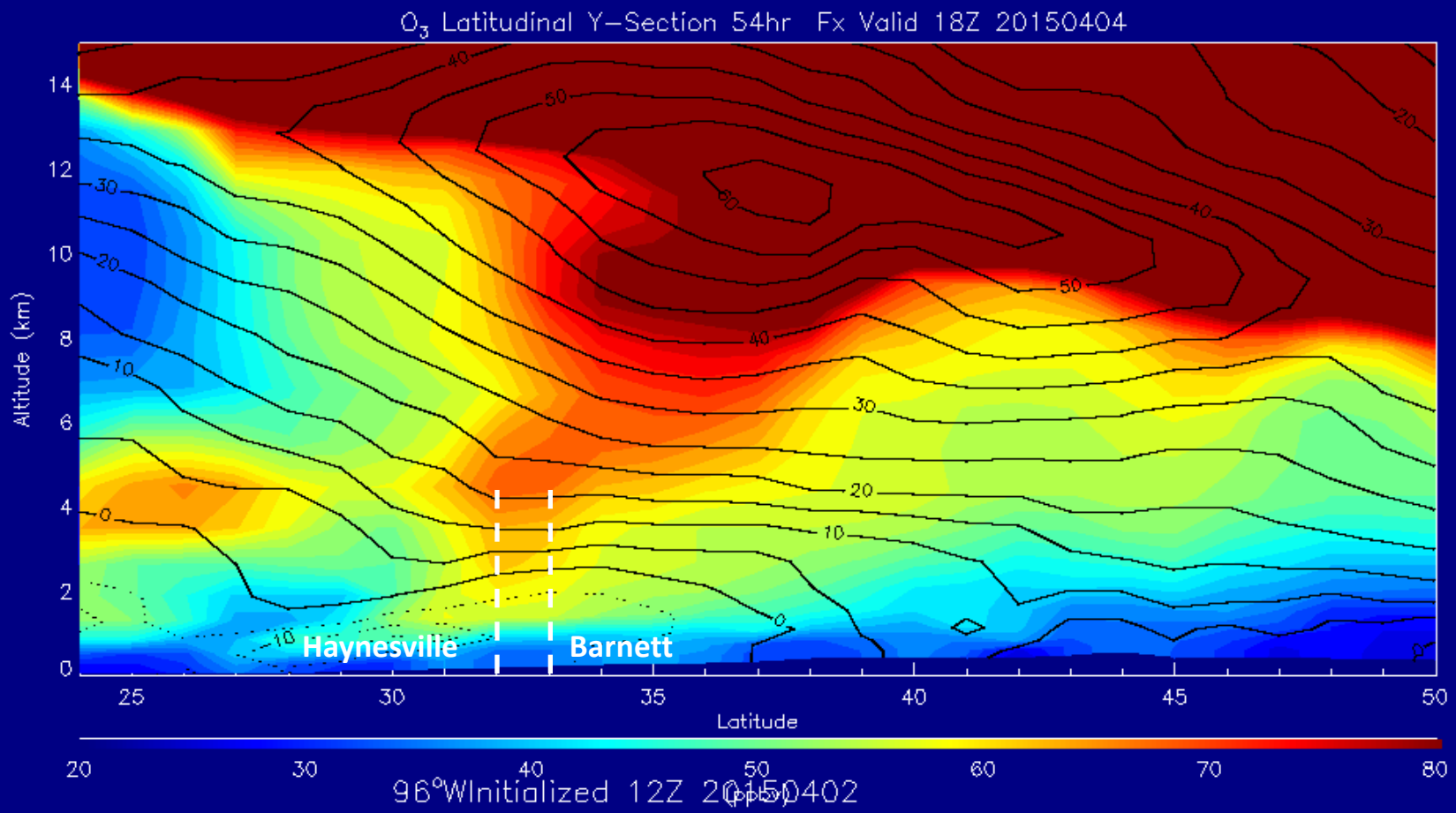


Dallas, TX on Western edge of S-NPP swath

RAQMS surface CH4 constrained with 1990 mixing ratio – introduces ~0.1ppmv low bias

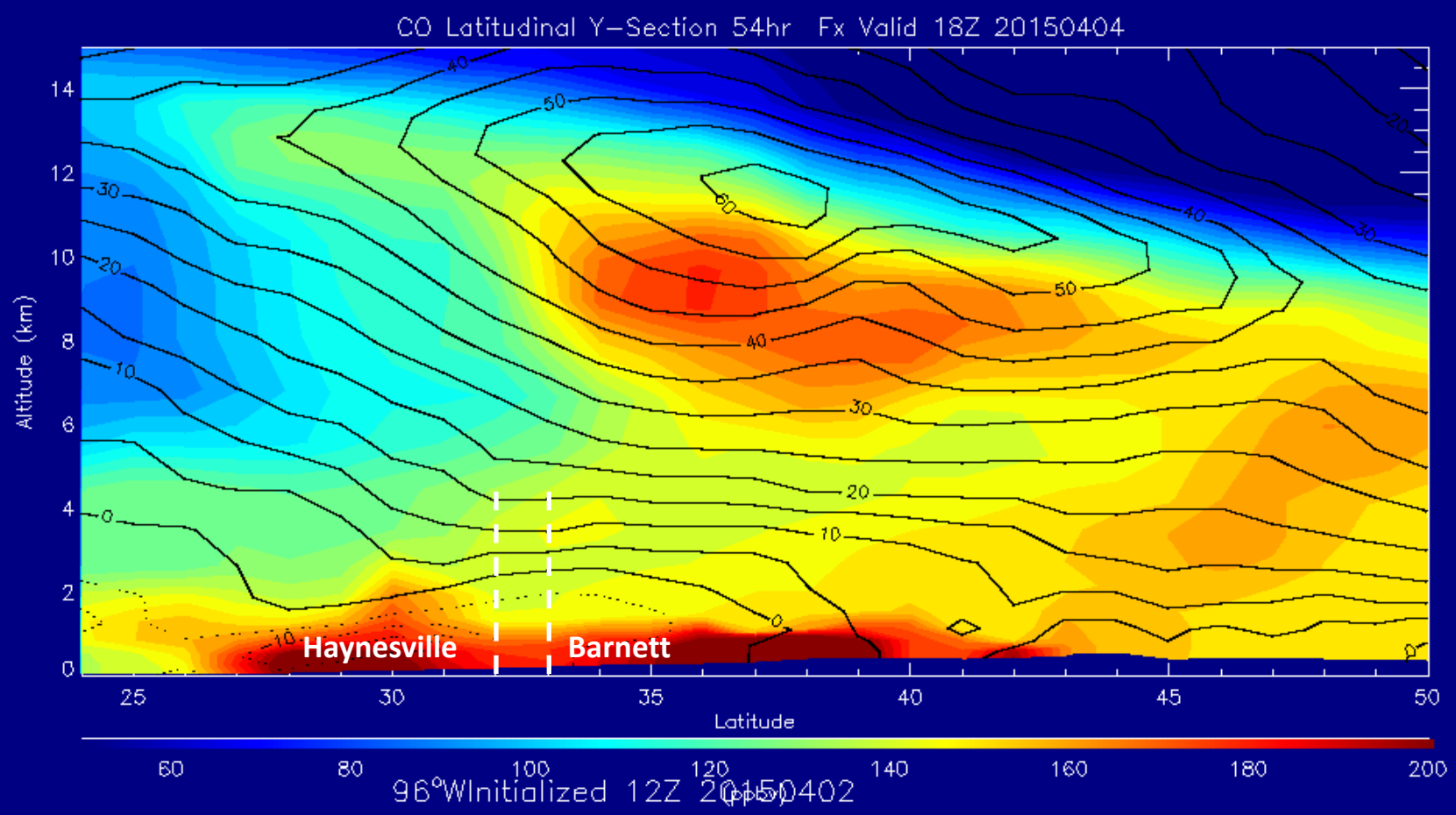
http://raqms.ssec.wisc.edu/forecast/view/20150402

RAQMS 56hr FX O3 Cross-section at 96W
(Between Hayneville and Barnett fields)



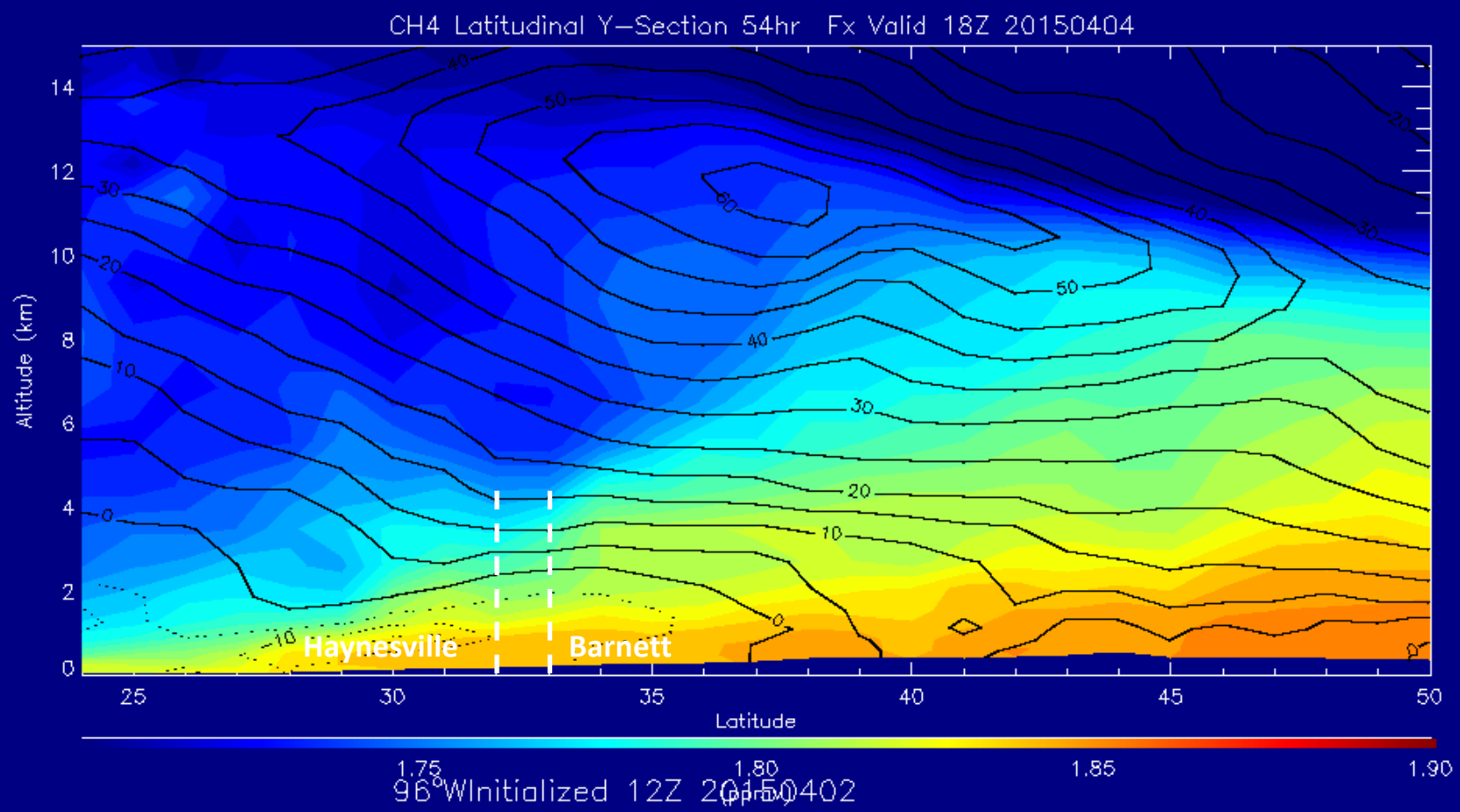
http://raqms.ssec.wisc.edu/forecast/view/20150402

RAQMS 54hr FX CO Cross-section at 96W
(Between Hayneville and Barnett fields)



http://raqms.ssec.wisc.edu/forecast/view/20150402

RAQMS 54hr FX CH4 Cross-section at 98W
(Between Hayneville and Barnett fields)



RAQMS surface CH4 constrained with 1990 mixing ratio – introduces ~0.1ppmv low bias