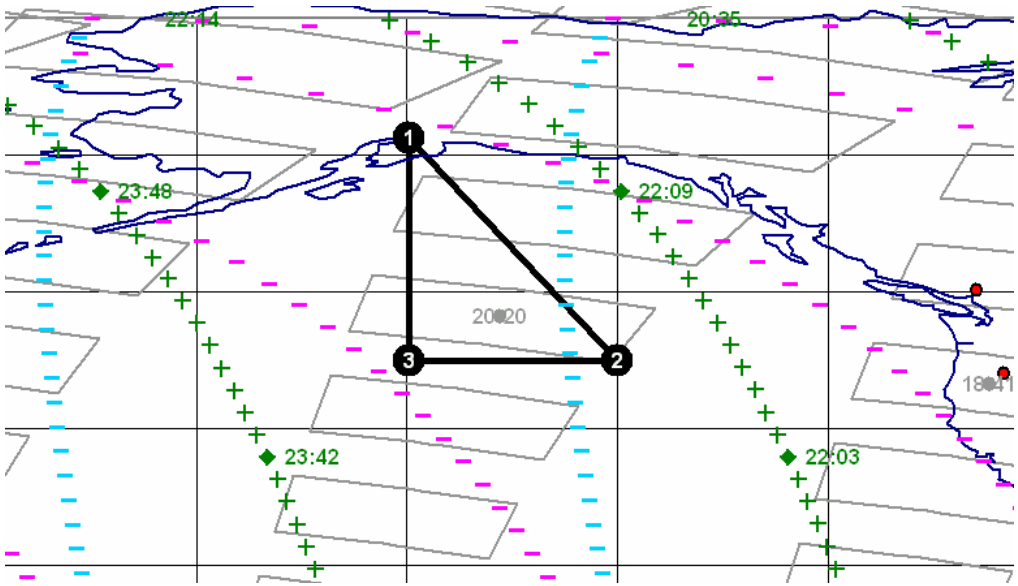
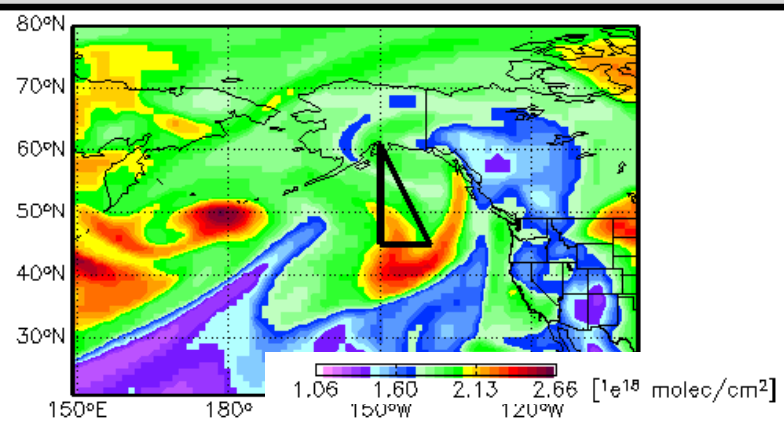
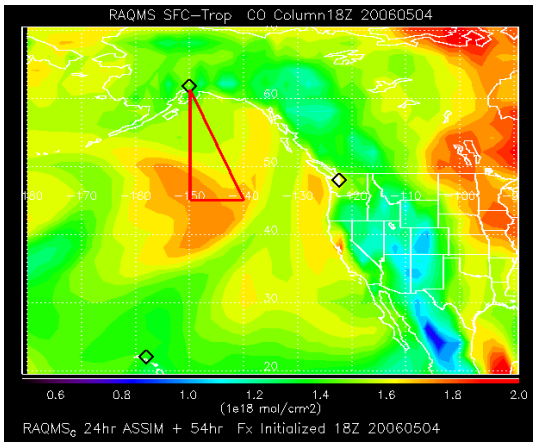
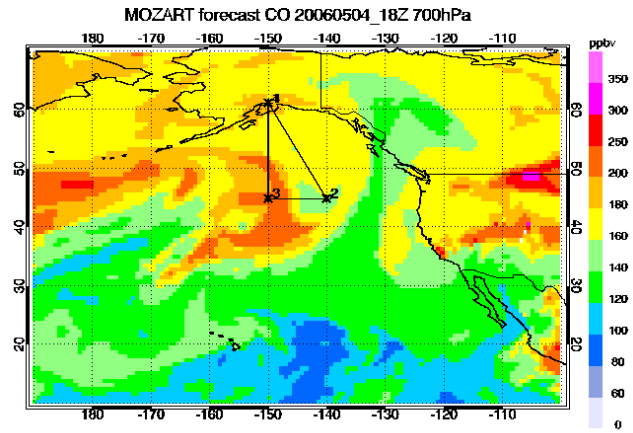
Flight Plan Thursday, 5/4/2006







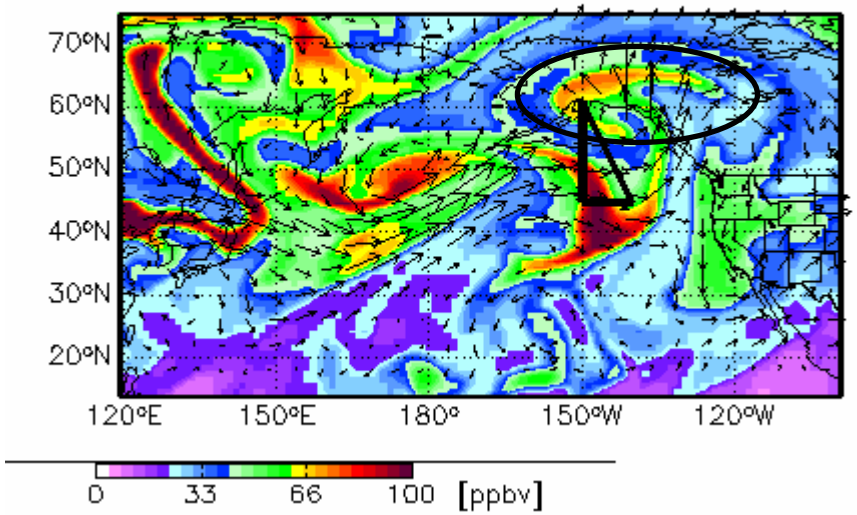


Objectives: "Slice and Dice" of Aleutian Low

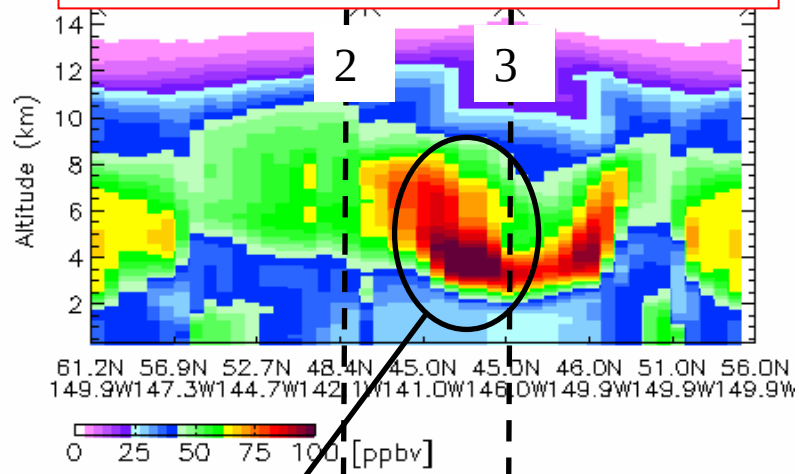
- Clear air sampling of mixing of Arctic background, clean maritime, and recent Asian emissions within synoptic low.
- Coordinated with C130 frontal transect flight on Friday
- OMI/SCIA NO2 validation spiral at pt 2
- OMI ozone validation with Dial curtain under cirrus

Rynda says: “Thursday’s Flight Track looks awesome!”

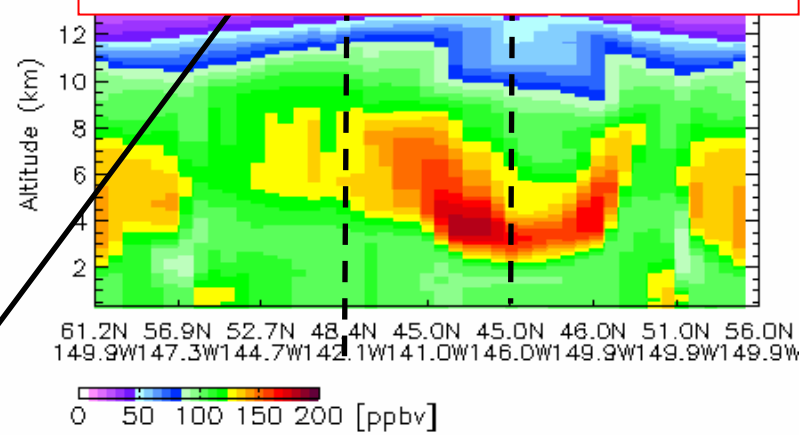
4km Asian CO 18Z



Curtain Asian CO 18Z



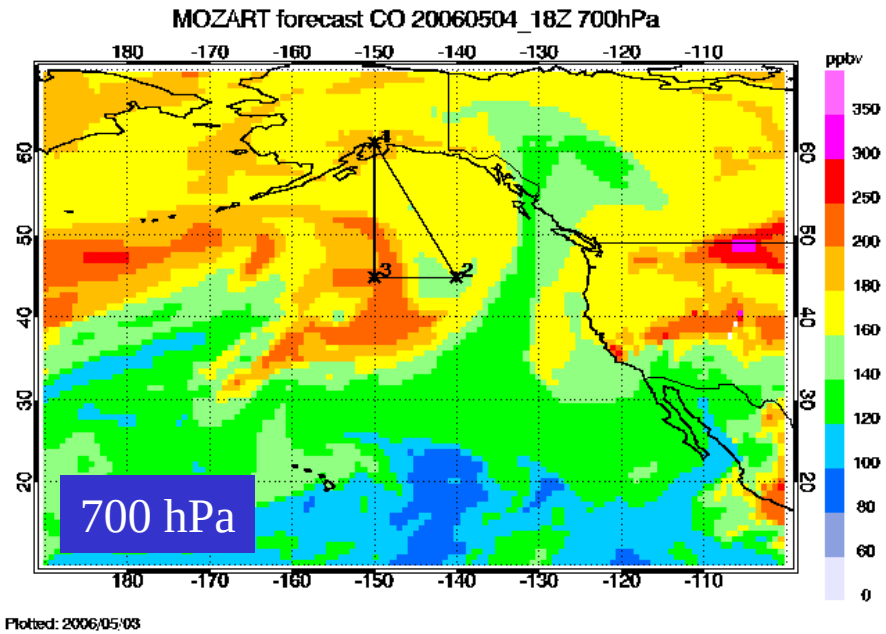
Curtain Total CO 18Z



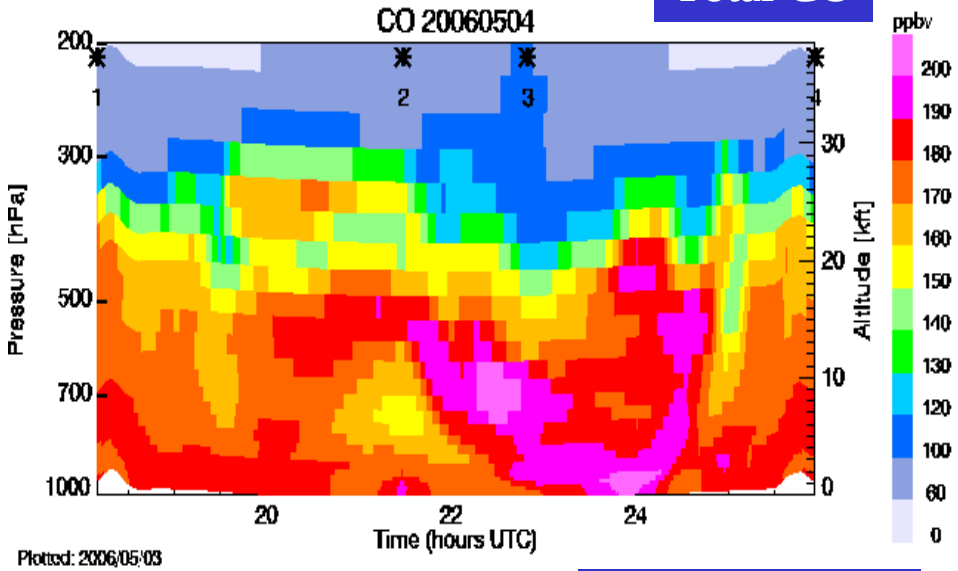
Strong Asian enhancements behind front btwn 4-8 km!

CO Forecast from 05/03 valid for 05/04 18Z

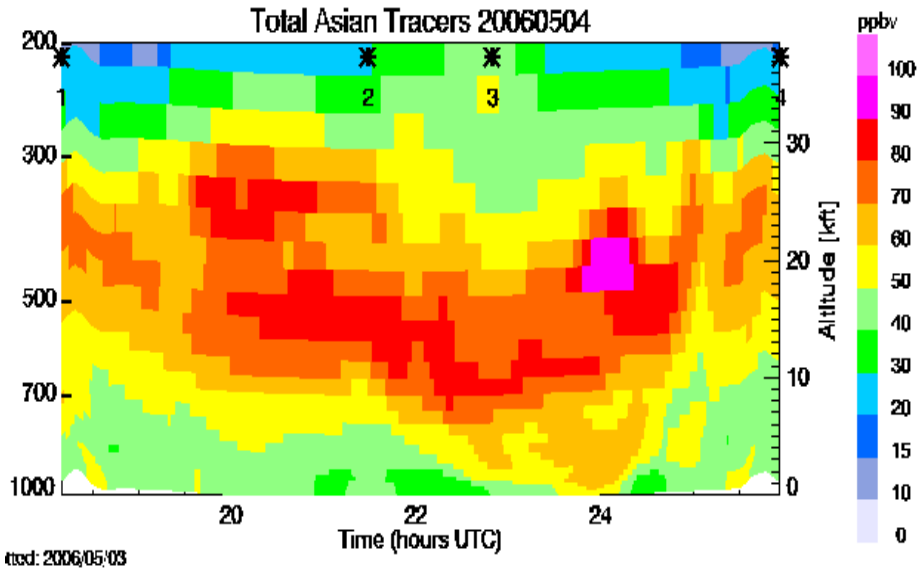
Total CO



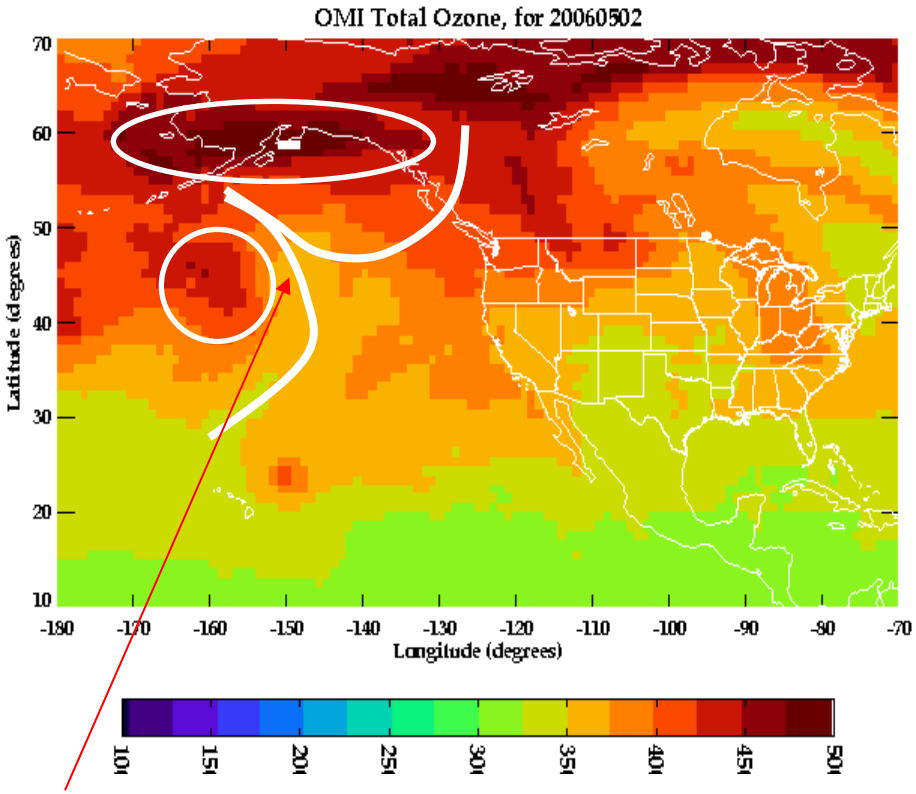
Total CO



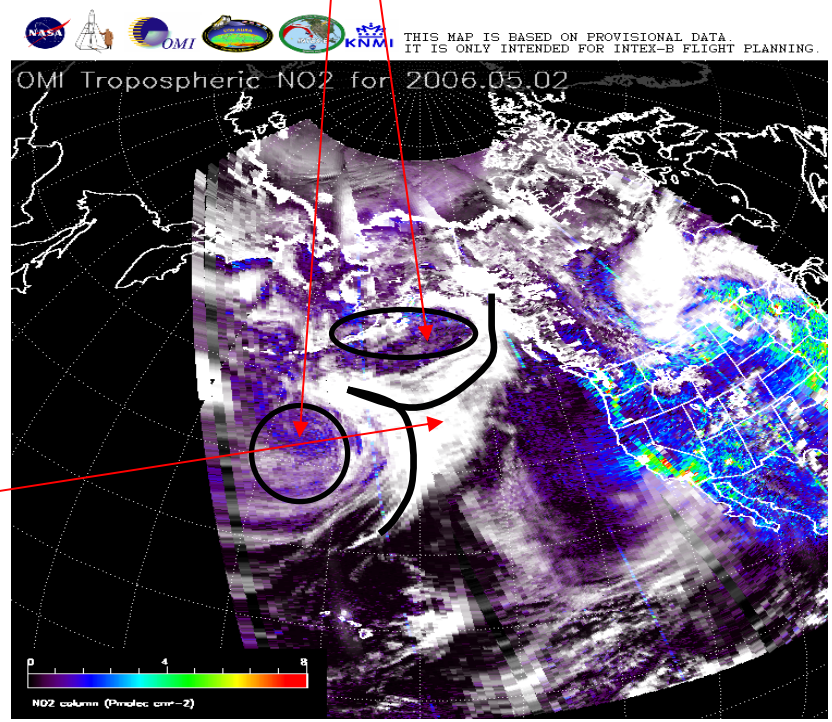
Total Asian CO



DC8 Anchorage Local 1 Validation Objectives

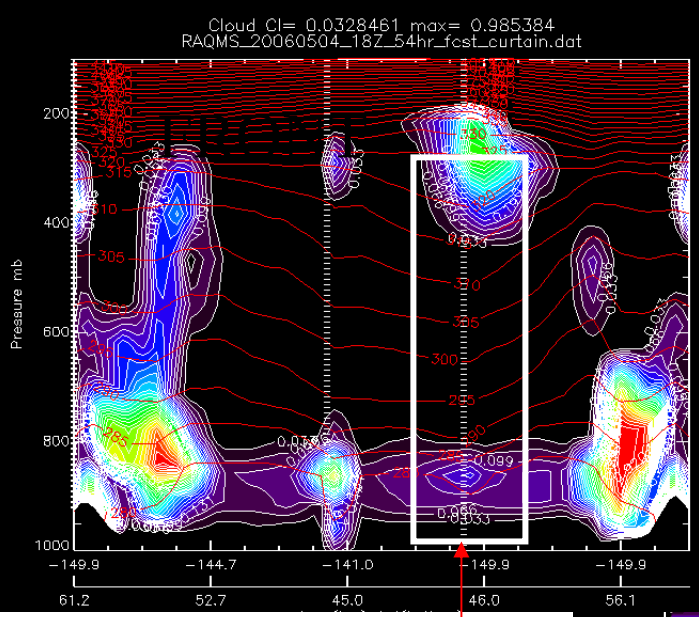


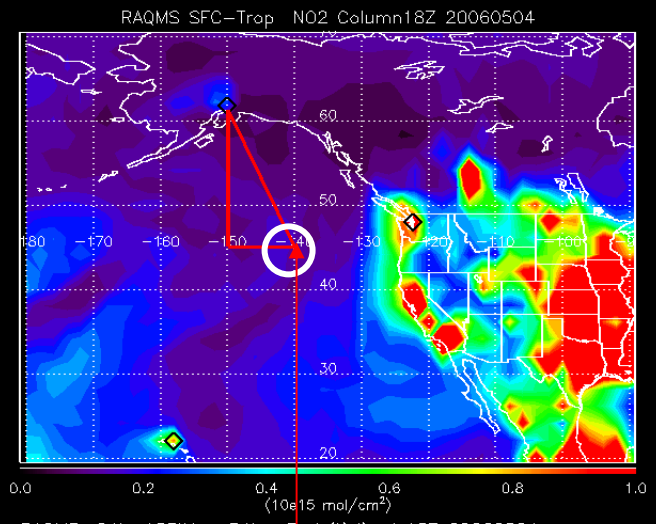
Validation of OMI tropospheric NO2 enhancements behind cold front

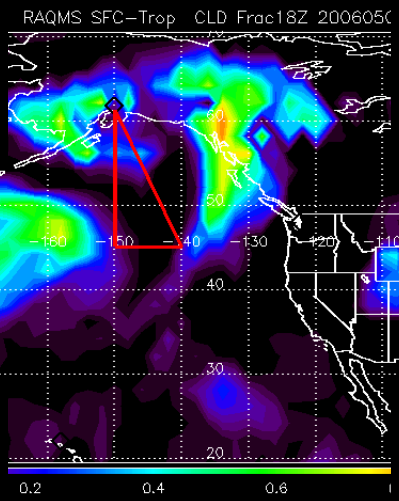


Investigation of cirrus impact on OMI total column O3.

See Gordon Labow for Details

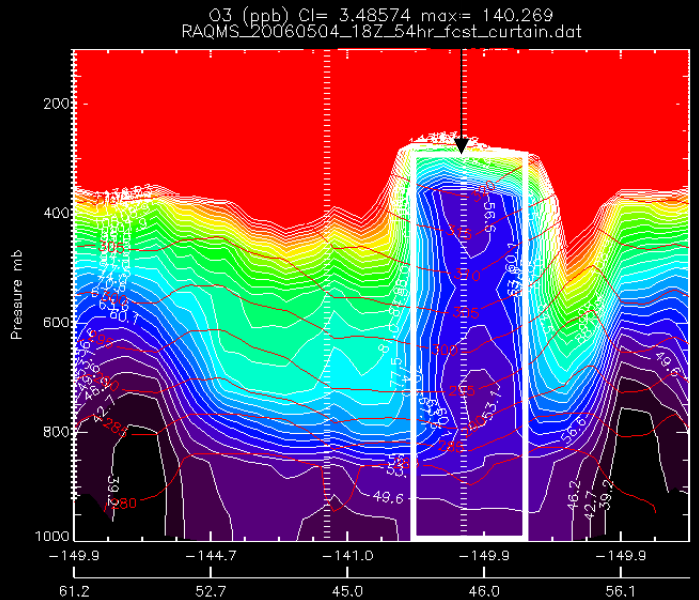


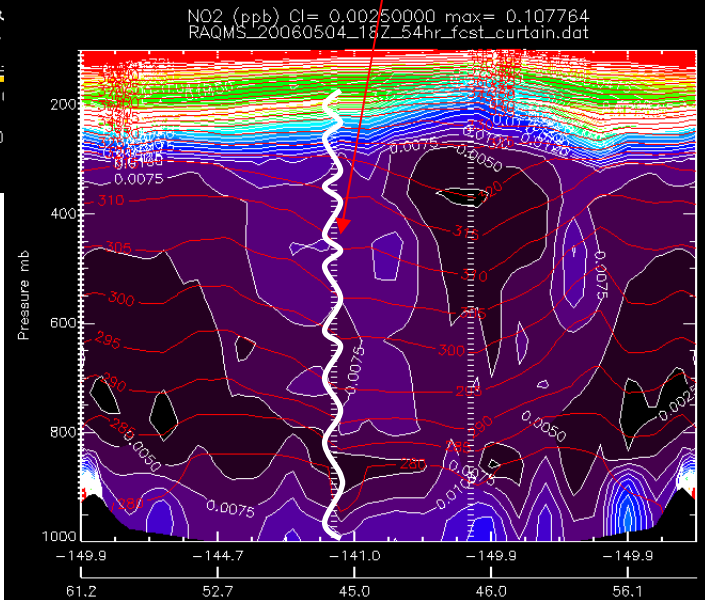




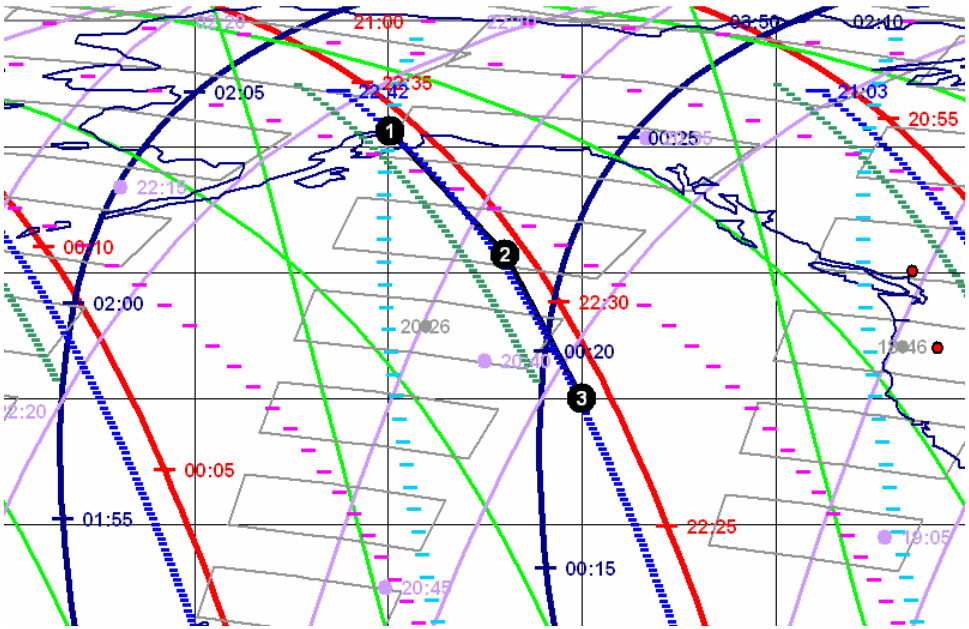
O3 measurements
Underneath cirrus

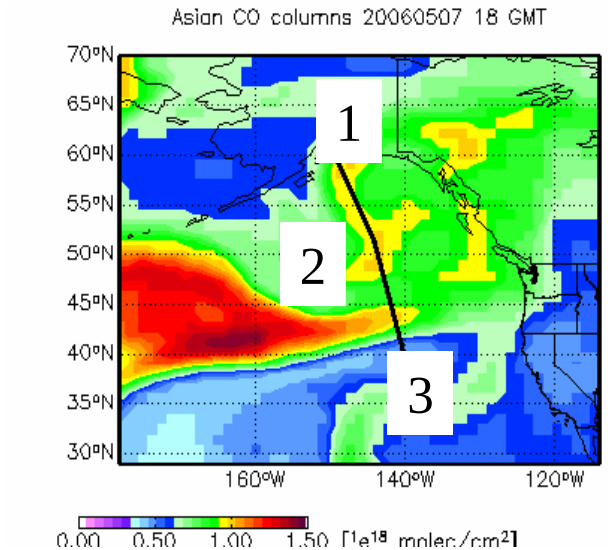
NO2 measurements
Behind Front

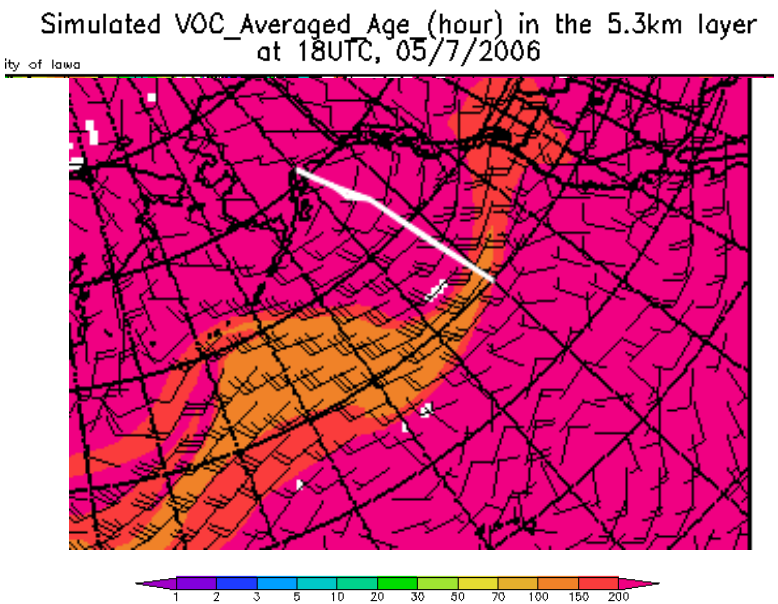




Proposed Flight Sunday, 5/7/2006







Objectives: Observations of aged and fresh Asian pollution plumes

- TES Special Observation spiral at point 2 of aged pollution plume

- TES and MLS ozone and HNO3 and N2O limb validation along either side of proposed flight track