Ozone

Highlights

- Bimodal distribution of O_3
  - low background tropical air (~20 ppb) and enhanced mid-tropospheric values (~60 ppb)
  - Non-zero O_3 minimum
- Great potential for inclusion in CCMI and radiative studies work

Measurement Comparison/Data Quality

- Use ozonesondes to compare to ATTREX and CONTRAST O_3 measurements.
- Comparison of repeated track CAST and CONTRAST flights
- Get information on how Rex et al collected their O_3 data.

Topics to be addressed

- Ozone down low
  - York to address low surface ozone and potentially address why it is not 0.
- Ozone in the middle
  - Look at models to get a better idea before moving forward with a paper.
  - Concerted effort to integrate both dynamics and chemistry.
  - Create database of papers on past research on similar topic
- Ozone up high
  - Importance of halogens and other processes that control O_3 concentrations in the TTL
- Interhemispheric differences