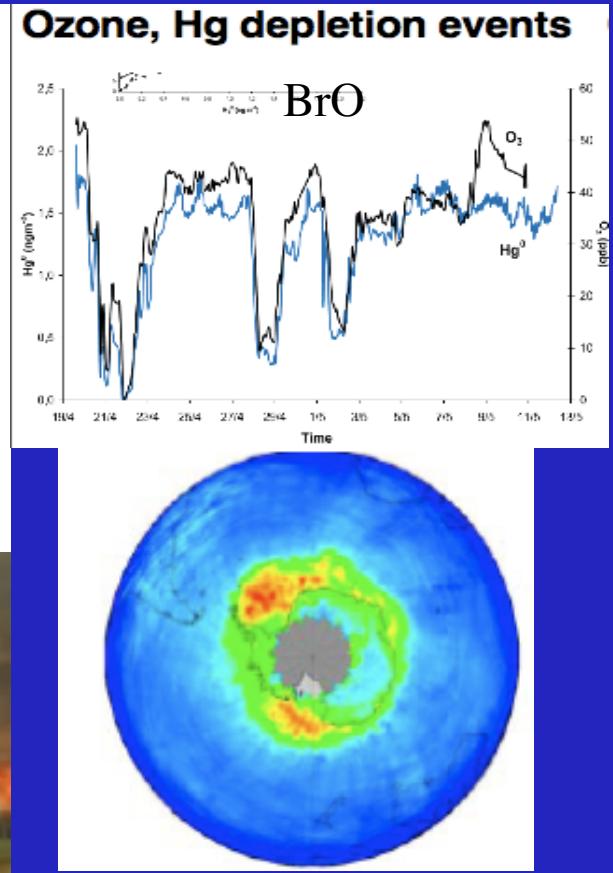
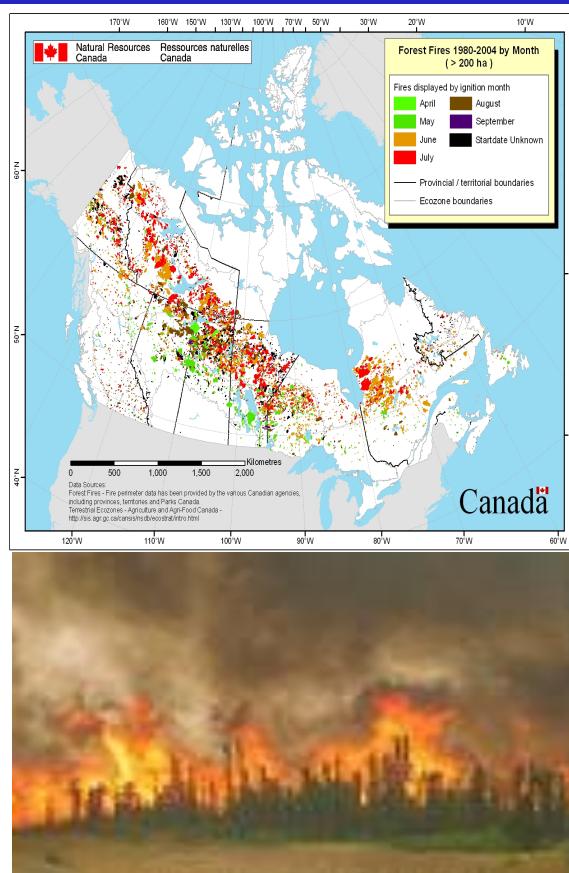
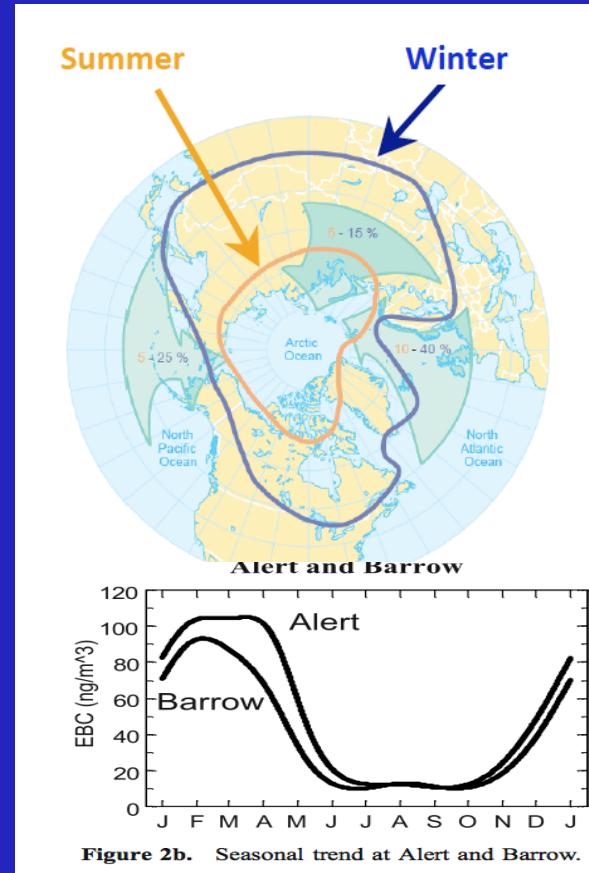


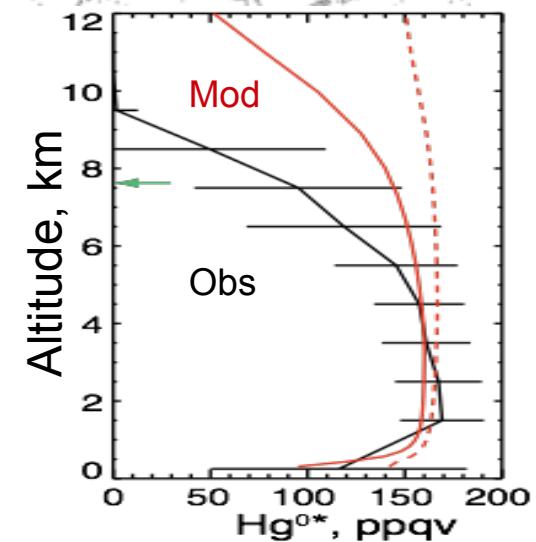
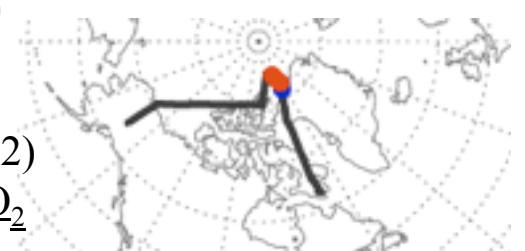
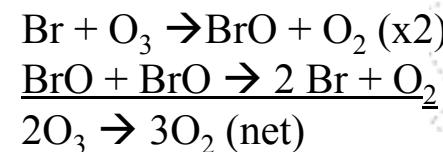
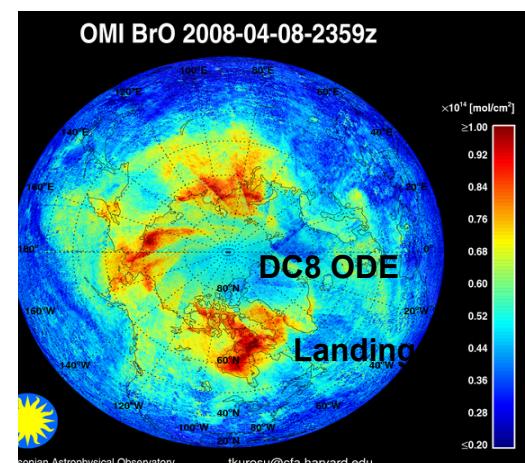
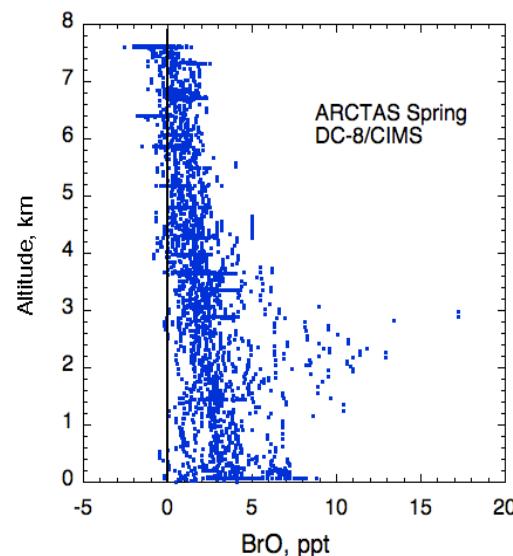
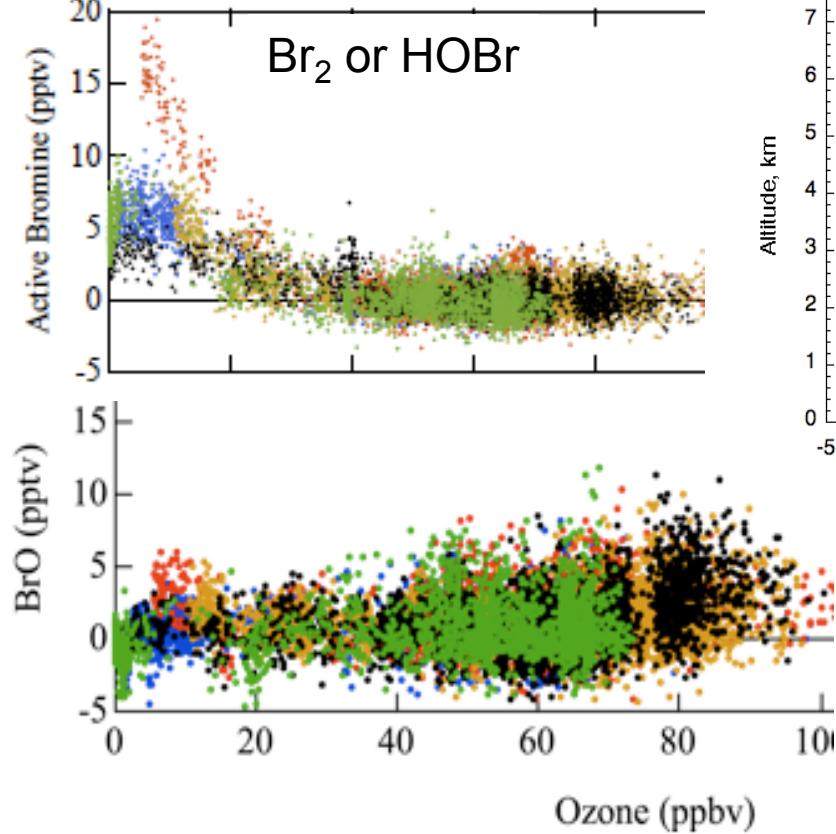
ARCTAS Science themes-H. Singh



- Eurasian pollution/Arctic haze
- Boreal fire emissions
- Radiative effects
- Halogen chemistry
- Ozone chemistry
- Satellite validation

In situ & space based BrO: BL O₃ depletion

ATTREX



- BrO much lower than expected
- BL O₃ depletion and elevated satellite BrO not co-located
- Elevated BrO seen from space not in BL