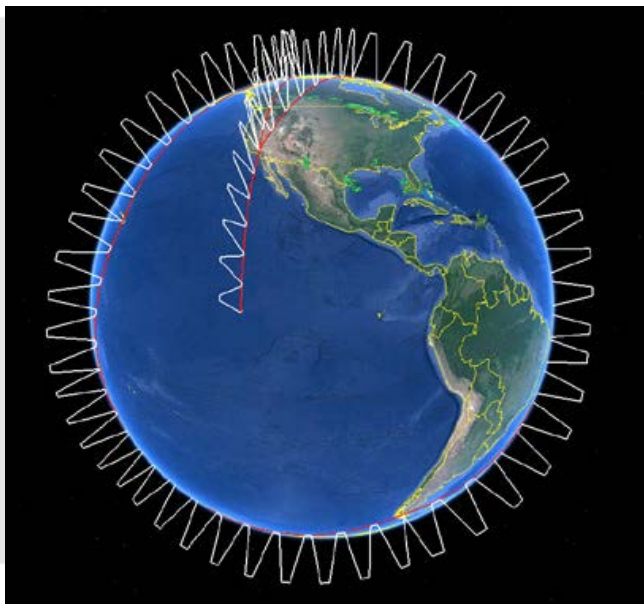




EVS-2 Investigation Summary: Atmospheric Tomography Experiment (ATom)



Science: Quantify key atmospheric chemical processes and loss rates on a global scale for the short-lived climate forcing agents methane (CH_4), ozone (O_3), and for aerosol black carbon (BC) using airborne vertical profiling.

- Investigation start date: April 1, 2015
- Airborne Platform: DC8 (AFRC)
- Observations include *in situ* measurements of atmospheric trace gases key in chemistry of CH_4 and O_3 , as well as aerosols, longer lived greenhouse gases, and ozone depleting substances.
- Deployments: Four deployments with a prescribed flight path encircling the globe and including transects across the Pacific and Atlantic Oceans from 85 N to 65 S.
 - Summer 2016
 - Winter 2017
 - Fall 2017
 - Spring 2018

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