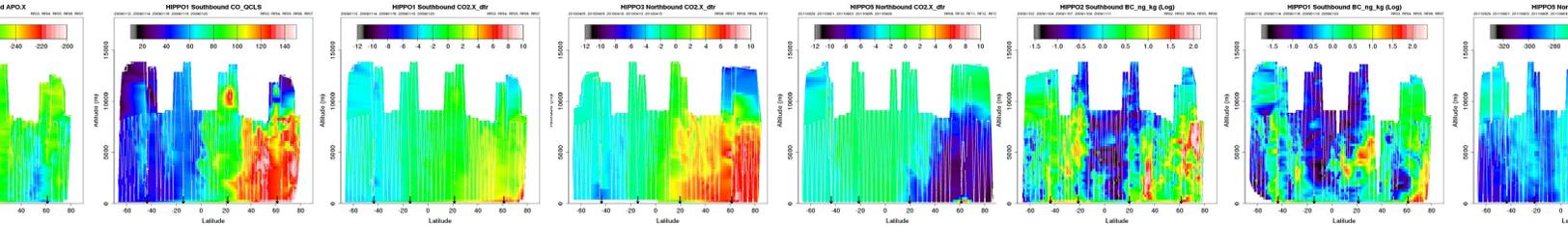


HIPPO Pole-to-Pole Data Now Available



The HIPPO (HIAPER Pole-to-Pole Observations) study of the carbon cycle and greenhouse gases measured meteorology, atmospheric chemistry, and aerosol constituents along transects from approximately pole-to-pole over the Pacific Ocean. HIPPO flew hundreds of vertical profiles from the ocean/ice surface to as high as the tropopause, at five times during different seasons over a three year period from 2009-2011. HIPPO provides the first high-resolution vertically-resolved global survey of a comprehensive suite of atmospheric trace gases and aerosols pertinent to understanding the carbon cycle and challenging global climate models. HIPPO was sponsored by the National Science Foundation and the National Oceanic and Atmospheric Administration.

EOL HIPPO Data Archive

Download imagery, publications, supporting documentation, and data
www.eol.ucar.edu/projects/hippo



CDIAC HIPPO Data Archive

Download integrated data products and documentation
hippo.ornl.gov





CDIAC HIPPO Data Archive :: hippo.ornl.gov

This Carbon Dioxide Information Analysis Center (CDIAC) HIPPO data archive provides integrated measurement data products and user documentation. Files are in ASCII text format. Products include:

- A comprehensive merged product at 10-second resolution for all high-rate measurements (40 measurements of 26 unique species, not counting flask measurements)
- Combined results from all discrete whole air sample and gas chromatograph measurements (77 unique species)
- Pressure-weighted mean column concentration data -- total, 10 km and 100 m intervals

Included are results from 90+ species from six categories, all with navigation and atmospheric structure data:

- 1) greenhouse gases and carbon cycle gases, 2) ozone and water vapor, 3) black carbon and aerosols, 4) CFCs, HCFCs, and HFCs, 5) light hydrocarbons and PAN, and 6) sulfur gases and ocean-derived gases



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The Earth Observing Laboratory (EOL) HIPPO data archive provides component data, documentation, and information, including:

- Photos, imagery, and movies from aircraft-mounted camera with time-synchronized navigation and state parameter data
- Publications derived from HIPPO data, meeting agendas, and presentations
- Investigator-provided quality-assured individual instrument data files
- Supporting data sets (e.g. operational satellite, model output, global observations, etc.)
- Ancillary flight information, field catalogs, data quality reports, software, and documentation
- Pole-to-pole atmospheric cross-section plots of chemical species