

# Version 13.4 (April 22, 2022)

The NASA Global Change Master Directory (GCMD) staff is pleased to announce the release of the GCMD Keywords Version 13.4. Please find below a table of the keywords. All keywords are new except where noted as Updated. Please post any questions about this release to the [GCMD Keyword Forum](#).

The keywords help facilitate the classification and discovery of Earth Science data by providing a rich vocabulary for characterizing the data. The GCMD keywords are used by hundreds of data providers worldwide for categorizing the ~33,000 records stored in the [Common Metadata Repository](#).

For more information about the keywords and how to access them, please visit the [Keyword Landing Page](#). Questions about the keywords can be submitted to [support@earthdata.nasa.gov](mailto:support@earthdata.nasa.gov) or directed to Valerie Dixon at [valerie.dixon@nasa.gov](mailto:valerie.dixon@nasa.gov).

## GCMD Keywords Version 13.4

Keyword Type	Follow links to view Keyword details in the GCMD Keyword Viewer
Instrument	<a href="#">Harvard CO2 &gt; High-Altitude Fast-Response CO2 Analyzer</a>
Instrument	<a href="#">FASTOZ &gt; Langley In Situ Fast-Response Ozone Measurements</a>
Instrument	<a href="#">CRYO &gt; Cryogenic Hygrometer</a>
Instrument	<a href="#">AROTAL &gt; Airborne Raman Ozone, Temperature, and Aerosol Lidar</a>
Instrument	<a href="#">NO/NOy &gt; NO and NOy Chemiluminescence Instrument (NO/NOy)</a>
Instrument	<a href="#">ClO/BrO &gt; Multiple Axis Resonance Fluorescence Chemical Conversion Detector for ClO and BrO</a>
Instrument	<a href="#">HOx &gt; Harvard Hydroxyl Experiment</a>
Instrument	<a href="#">CLONO2 &gt; Chlorine Nitrate Instrument</a>
Instrument	<a href="#">NOAA O3 Classic &gt; Dual-Beam UV-Absorption Ozone Photometer</a>
Instrument	<a href="#">TSI CNC-3760 &gt; TSI Model 3760 Condensation Nuclei Counter</a>
Instrument	<a href="#">PANTHER &gt; PAN and Trace Hydrohalocarbon ExpeRiment</a>
Instrument	<a href="#">GAMS/LAABS &gt; Gas and Aerosol Measurement Sensor/Langley Airborne A-Band Spectrometer</a>
Instrument	<a href="#">DIAS &gt; Direct Irradiance Airborne Spectrometer</a>
Platform	<a href="#">ROVs &gt; Remotely Operated Vehicle</a>
Platform	(Updated) <a href="#">Spacelab-1</a>
Platform	(Updated) <a href="#">Spacelab-3</a>
Platform	(Deleted) <a href="#">ATLAS</a>
Platform	<a href="#">ATLAS-1 &gt; Atmospheric Laboratory for Applications and Science-1</a>
Platform	<a href="#">ATLAS-2 &gt; Atmospheric Laboratory for Applications and Science-2</a>
Platform	<a href="#">ATLAS-3 &gt; Atmospheric Laboratory for Applications and Science-3</a>
Science Keyword	<a href="#">CRYOSPHERE &gt; SEA ICE &gt; ICE DRAFT</a>
Science Keyword	<a href="#">OCEANS &gt; SEA ICE &gt; ICE DRAFT</a>