

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

1DP > 1D Particles Probe
2DC > 2D Cloud Probe
2DVD > Two-dimensional Video Disdrometer (2DVD)
3DA > 3D Plasma Analyzer
3DP > 3-D Plasma and Energetic Particle Investigation (WIND)
A-DCS > Advanced Data Collection System
AA > Atomic Absorption Spectrometer
AAS > Atomic Absorption Spectrophotometry
AATSR > Advanced Along-Track Scanning Radiometer
ACATS > Airborne Chromatograph for Atmospheric Trace Species
ACCELEROGRAPHS
ACCELEROMETERS
ACE-FTS > Fourier Transform Spectrometer
ACOUSTIC RADAR
ACOUSTIC RECEIVERS
ACOUSTIC SOUNDERS
ACOUSTIC TAGS
ACRIM > Active Cavity Radiometer Irradiance Monitor
ACRIM II > Active Cavity Radiometer Irradiance Monitor II
ACRIM III > Active Cavity Radiometer Irradiance Monitor III
ACS > Advanced Stellar Compass 2 (Boom)
ACTINOMETER > Radiation Thermocouple Actinometer
ADA > Atmospheric Density Accelerometer
ADCP > Acoustic Doppler Current Profiler
ADG > Acoustic Depth Gauge
ADRAD > Texas Aggie Doppler Radar
ADS > Automated DNA Sequencer
AEM > Airborne Electromagnetic Profiler
AEPI > Atmospheric Emissions Photometric Imaging
AERI > Atmospheric Emitted Radiance Interferometer
AEROSOL COLLECTORS
AEROSOL MONITOR
AEROSOL/CLOUD PARTICLE SIZER
AEROVANES
AERS > Atmospheric/Emitted Radiation Sensor
AES > Atmospheric Emission Spectrometer
AETHALOMETER
AGASSIZ TRAWL
AHF > AIRBORNE HEIGHT FINDER



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C. Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007.

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

AIA-SDO > Atmospheric Imaging Assembly on Solar Dynamics Observatory
AIMR > Airborne Imaging Microwave Radiometer
AIR PERMEAMETERS
AIR-ION > AIR-ION SPECTROMETER
AIRBORNE LASER SCANNER
AIRBORNE TRACKING SUNPHOTOMETER
AIRGLOW SENSOR
AIRGLOW/AURORA IMAGER
AIRGUN ARRAYS
AIRMISR > Airborne Multi-angle Imaging SpectroRadiometer
AIRS > Atmospheric Infrared Sounder
AIRSAR > Airborne Synthetic Aperture Radar
AIS > Arizona Imager Spectrograph
ALAE > Atmospheric Lyman-Alpha Emissions
ALI > Advanced Land Imager
ALIAS > Airborne Laser Infrared Absorption Spectrometer
ALPHA-SPECTROMETERS
ALPS > Airborne Laser Polarization Sensor
ALT (SEASAT 1) > SEASAT 1 Radar Altimeter
ALT (TOPEX) > TOPEX Radar Altimeter
ALTIMETERS
ALTUS DATA COLLECTION SYSTEM
AMI > Active Microwave Instrument
AMMR > Airborne Multichannel Microwave Radiometer
AMMS > Advanced Microwave Moisture Sounder
AMPR > Advanced Microwave Precipitation Radiometer
AMPTE/IRM MAGNETOMETER > AMPTE/IRM Three-axis Fluxgate Magnetometer
AMR > Advanced Microwave Radiometer
AMS > ACCELERATOR MASS SPECTROMETERS
AMSR > Advanced Microwave Scanning Radiometer
AMSR-E > Advanced Microwave Scanning Radiometer-EOS
AMSU-A > Advanced Microwave Sounding Unit-A
AMSU-B > ADVANCED MICROWAVE SOUNDING UNIT B (AMSU-B)
ANEMOMETERS
ANEROID PRESSURE SENSOR
AOCI > Airborne Ocean Color Imager
AOLFL > Airborne Oceanographic Lidar Fluorosensor
AP > AURORAL PHOTOMETER (SNOE)
APMS > Ames Particle Measurement System



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

APR-2 > Second Generation Airborne Precipitation Radar
APS > Aerodynamic Particle Sizer
APS > Air Pressure Sensor
APS GLORY > AEROSOL Polarimetry SENSOR
APT NIMBUS-1 > Automatic Picture Transmission System on NIMBUS-1
APT NIMBUS-2 > Automatic Picture Transmission System on NIMBUS-2
APU > Autonomous Parsivel Unit (APU)
ARGOS > ARGOS Data Collection and Position Location System
ARGUS > Two-Channel Atmospheric Tracer Instrument
ARMAR > Airborne Rain Mapping Radar
ARP > Acoustic Recording Package
ASAR > Advanced Synthetic Aperture Radar
ASAS > Advanced Solid-state Array Spectroradiometer
ASC > All-Sky Camera
ASCAT
ASPECT > AIRBORNE SPECTRAL IMAGERY OF ENVIRONMENTAL CONTAMINANTS TECHNOLOGY
ASPOC > Active Spacecraft Potential Control Experiment
ASTER > Advanced Spaceborne Thermal Emission and Reflection Radiometer
ASUR > Airborne SUBmillimeter Radiometer
ATHOS > Airborne Tropospheric Hydroxides Sensor
ATLAS > Airborne Tunable Laser Absorption Spectrometer
ATM > Airborne Topographic Mapper
ATMOS > Atmospheric Trace Molecule Spectroscopy
ATMS > Advanced Technology Microwave Sounder
ATOVS > ADVANCED TIROS-N OPERATIONAL VERTICAL SOUNDER (ATOVS)
ATSR > Along Track Scanning Radiometer and Microwave Sounder
ATSR-2 > Along-Track Scanning Radiometer 2
AUTOANALYZER
AVAPS > Airborne Vertical Atmosphere Profiling Systems
AVCS NIMBUS-1 > Advanced Vidicon Camera System on NIMBUS-1
AVCS NIMBUS-2 > Advanced Vidicon Camera System on NIMBUS-2
AVHRR > Advanced Very High Resolution Radiometer
AVHRR-2 > Advanced Very High Resolution Radiometer-2
AVHRR-3 > Advanced Very High Resolution Radiometer-3
AVIRIS > Airborne Visible and Infrared Imaging Spectrometer
AVNIR > Advanced Visible and Near-Infrared Radiometer
AVNIR-2 > Advanced Visible and Near-Infrared Radiometer Type 2
AWIFS > Advanced Wide Field Sensor



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

AWIN > Automatic Weigh and Identification Nest-System
AWQT > Apparatus for Water Quality Test
AWS > Automated Weather System
BACKSCATTER LIDAR
BALANCE
BAROMETERS
BATHYPHOTOMETER
BATHYTHERMOGRAPHS
BATSE > Burst And Transient Source Experiment
BBHSR > Broad Spectral Bandpass Hemispherical Solar Radiometer
BBSS > Balloon-Borne Sounding System
BCS > Bragg Crystal Spectrometer
BEDLOAD SENSORS
BENTHIC GRABS
BENTHOPELAGIC NET
BENTHOPELAGIC TRAWL
BGO > Bismuth Germanate Scintillator
BIMS > Bennett Ion-Mass Spectrometer
BINOCULAR > BINOCULAR
BIONESS > Bedford Institute of Oceanography Net Environmental Sampling System
BJ-1 MSI > BJ-1 Multispectral Imager
BJ-1 PAN > BJ-1 Panchromatic Imager
BLACKJACK > Global Positioning System
BLIP > Boundary Layer Instrument Package
BOLOMETERS
BONGO NETS
BOPS > Bio Optical Profiling System
BOTTOM PRESSURE GAUGES
BOTTOM TRAWL
BOX CORE
BR > Benndorf Recorder
BROADBEAM RIOMETERS
BRTS > Background Radiometric Temperature Sensors
BSR > Broadband Solar Radiometer
BUV > Backscatter Ultraviolet
C-SAR > C-Band Synthetic Aperture Radar
C-SCAT > C-Band Scatterometer
C-STAR > Conically-Scanning Two-look Airborne Radiometer
C/P > Coronagraph/Polarimeter



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

CALIOP > Cloud-Aerosol Lidar with Orthogonal Polarization
CAMERA
CAMERAS
CAMMICE > Charge And Mass Ion Composition Experiment
CAMRA > CWVC Chilbolton Advanced Meteorological Radar
CAPAC > Cloud and Aerosol Particle Characterization
CAPS > Cloud, Aerosol, Precipitation Spectrometer
CARBON ANALYZERS
CASI > Compact Airborne Spectrographic Imager
CBERS
CC GLORY > Cloud Camera on GLORY
CCD IMAGER
CCD LINEAR ARRAY
CDE > AIM Cosmic Dust Experiment
CDP > Cloud Droplet Probe
CDS > Coronal Diagnostics Spectrometer
CEDAR IMAGER
CEILOMETERS
CELIAS > Charge, Element, and Isotope Analysis System
CEP > Cylindrical Electrostatic Probe
CEPPAD > Comprehensive Energetic Particle Pitch Angle Distribution
CERES SCANNER > Clouds and the Earth's Radiant Energy System Scanner
CERES-FM1 > Clouds and the Earth's Radiant Energy System - Flight Model 1
CERES-FM2 > Clouds and the Earth's Radiant Energy System - Flight Model 2
CERES-FM3 > Clouds and the Earth's Radiant Energy System - Flight Model 3
CERES-FM4 > Clouds and the Earth's Radiant Energy System - Flight Model 4
CERES-FM5 > Clouds and the Earth's Radiant Energy System - Flight Model 5
CERES-PFM > Clouds and the Earth's Radiant Energy System - Prototype Flight Model
CFDC > Continuous Flow Diffusion Chamber
CHAMP-BLACKJACK
CHEMILUMINESCENCE
CHN ANALYZERS > Carbon, Hydrogen, Nitrogen Analyzers
CHNS/O ELEMENTAL ANALYZERS > Carbon, Hydrogen, Nitrogen Elemental Analyzers
CIMS > Chemical Ionization Mass Spectrometer
CIN > Cloud Integrating Nephelometer
CINDI > COUPLED ION-NEUTRAL DYNAMICS INVESTIGATION
CIPS > Cloud Imaging and Particle Size
CIS > Cluster Ion Spectrometry Experiment
CLAES > Cryogenic Limb Array Etalon Spectrometer



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

CLASS > C-LORAN Atmospheric Sounding System
CLINOMETERS
CLOCKS
CLOUD LIQUID WATER PROBE
CLOUD TOP SPECTROMETER
CLOUDSAT-CPR > CLOUDSAT CLOUD PROFILING RADAR
CLS > Cloud Lidar System
CMT > China Mapping Telescope
CNC > Condensation Nuclei Counter
CO2 ANALYZERS
CO2NDIR > Carbon Dioxide Nondispersive Infrared Analyzer
COBAN > COBAN Multi-Band Camera
COLORIMETERS
COMPASSES
CONDUCTIVITY METERS
CORING DEVICES
CORONAGRAPHS
COSPEC > Correlation Spectrometer
COSPIN > Cosmic and Solar Particle Investigation (Ulysses)
COSSIR > Conical Scanning Sub-mm wave Imaging Radiometer
COSTEP > Comprehensive Suprathermal and Energetic Particle Analyzer
COULOMETERS
CPA > Charged Particle Analyzer
CPC > Cloud Particle Counter
CPFM > Composition and Photodissociative Flux Measurement
CPI > Cloud Particle Imager
CPI-G > Comprehensive Plasma Investigation-Geotail
CPL > Cloud Physics Lidar
CPME > Charged Particle Measurement Experiment (IMP-8)
CPR > Continuous Plankton Recorder
CRIMSS > Cross-track Infrared and Advanced Technology Microwave Sounders
CRIS > Cosmic Ray Isotope Spectrometer
CRIS-NPOESS > Cross-track Infrared Sounder
CRNC > Cosmic Ray Nuclear Composition Experiment (IMP-8)
CRS > Cloud Radar System
CRWVA > Combined Recording Wind Vane Anemograph
CSR > Compressive Strength Recorder
CTD > Conductivity, Temperature, Depth
CUFES > Continuous Underway Fish Egg Sampling System



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

CURRENT METERS

CVI > Counterflow Virtual Impactor

CXRI > Coded Mask X-ray Imager

CZCS > Coastal Zone Color Scanner

DADS > DC-8 DATA ACQUISITION AND DISTRIBUTION SYSTEM

DAEDALUS TMS > Daedalus Thematic Mapper Simulator

DC8 DROPSONDES

DEMERSAL TRAWL

DENDROMETERS

DENSIOMETERS

DEWPOINT HYDROMETERS

DIAL > Differential Absorption Lidar

DIDM > Planar Langmuir Probe

DIELECTRIC PROBE

DIFFERENTIAL MOBILITY ANALYZERS

DIFLUX MAGNETOMETERS

DIGISONDES

DIGITIZER

DISDRROMETERS

DMR > GPS Bistatic Radar Delay Mapping Receiver

DOAS > Differential Optical Absorption Spectrometers

DOBSON SPECTROPHOTOMETERS

DOPPLER BEACONS

DOPPLER RADAR

DOPS > Dual Optical Pulse Sensor

DORIS > Doppler Orbitography and Radiopositioning Integrated by Satellite

DORIS GROUND STATION BEACON

DPR > Dual-frequency Precipitation Radar

DREDGING DEVICES

DRIFTING BUOYS

DROPSONDES

DROPWINDSONDES

DRY BULB THERMOMETERS

DRY DEPOSITION COLLECTORS

DTG > Differential Thermogravimeter

DUST > Ulysses Cosmic Dust Experiment

DWP > Digital Wave Processing Experiment

EB SPECTROMETER > Ebert-Fastie Spectrometer

ECHO SOUNDERS



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

EDAX > Energy-Dispersive Analysis of X-Ray
EDDY CORRELATION DEVICES
EDI > Electron Drift Instrument (CLUSTER-II)
EDI-E > Electron Drift Instrument (EQUATOR-S)
EDOP > ER2-Doppler Radar
EDXA > Energy Dispersive X-Ray Analyzer
EECA > Electrostatic Energy-Charge Analyzer (IMP-8)
EFD > Electric Fields Detector (Geotail)
EFW > Electric Field and Wave Experiment
EGC > Electron Gas Chromatograph
EGG > Electrostatic Gravity Gradiometer
EGS > EUV Grating Spectrograph
EHAD > ER-2 High Altitude Dropsonde
EIS > EUV IMAGING SPRECTROMETER (HINODE)
EIT > Extreme Ultraviolet Imaging Telescope
ELASTIC BACKSCATTER LIDAR
ELDORA > Electra Doppler Radar
ELECTRIC FIELD MILL
ELECTROFISHING
ELECTROMAGNETIC DIRECTION METER
ELECTROMAGNETIC GEOPROFILER
ELECTROMETER
ELECTRON MICROPROBES
ELECTRONATORS
ELECTROSTATIC ANALYZERS
EPAC > Energetic Particles Composition Instrument (Ulysses)
EPACT > Energetic Particles: Acceleration, Composition and Transport (WIND)
EPAM > Electron, Proton, and Alpha Monitor
EPE > Energetic Particle Experiment (IMP-8)
EPI > Energy Particle Analyzer
EPIC > Energetic Particle and Ion Composition (Geotail)
EPM > Energetic Particle Monitor
EPSONDE
EQUILIBRATORS
ERB > Earth Radiation Budget
ERB-SCANNER
ERBE > Earth Radiation Budget Experiment
ERM > Earth Radiation Measurement
ERNE > Energetic and Relativistic Nuclei and Electron



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Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

ERS WIND SCATTEROMETER
ESMR > Electronic Scanning Microwave Radiometer
ESTAR > Electronically Scanned Thinned Array Radiometer
ESUM > Extreme Solar UV Monitor
ETM+ > Enhanced Thematic Mapper Plus
EUV SPECTROMETER > Extreme UV Spectrometer
EUVS > Solar Extreme Ultraviolet Spectrophotometer
EVE-SDO > Extreme ultraviolet Variability Experiment on Solar Dynamics Observatory
FAN-ASPIRATED RADIATION SHIELD
FCAS > Focused Cavity Aerosol Spectrometer
FCAS II > Focused Cavity Aerosol Spectrometer II
FGM > CLUSTER-II Fluxgate Monitor
FGM > Fluxgate Magnetometer
FIA > FLOW INJECTION ANALYSIS
FIELD SCOPE > FIELD SCOPE
FILTERABLE DEPOSIT JAR SAMPLER
FIRSC > Far-Infrared Sensor for Cirrus
FISH NETS
FLAME-IONIZATION DETECTOR
FLASKS
FLOW CYTOMETRY
FLUORESCENCE MICROSCOPY
FLUORESCENCE SPECTROSCOPY
FLUOROMETERS
FLUXGATE MAGNETOMETERS
FMCWR > Frequency Modulated Continuous Wave Radar
FOURIER TRANSFORM SPECTROMETERS
FPH > Lyman-Alpha Total Water
FPI > Fabry-Perot Interferometer
FPS > Fabray-Perot Spectrometer
FRRF > Fast Repetition Rate Fluorometer
FSI > Filter Sampling Instrument
FSSP > Forward Scattering Spectrometer Probe
FTIR SPECTROMETER > Fourier Transform Infrared Spectrometer
FUV > Far Ultraviolet Imager (IMAGE)
GALVANOMETER
GAMMA RADIATION DETECTOR
GAMMA RAY DETECTOR (SSB)
GAMMA RAY SPECTROMETERS



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

GAS CHROMATOGRAPHS
GAS CORRELATION FILTERS
GAS SENSORS
GBMR > Ground Based Passive Microwave Radiometer
GC-MS > Gas Chromatograph/Mass Spectrometry
GEK > Geomagnetic Electrokinetographs
GEOPHONES
GEOSAR > Geographic Synthetic Aperture Radar
GERB > Geostationary Earth Radiation Budget
GERDIEN CONDUCTIVITY PROBE
GFC RADIOMETER > Gas Filter Correlated Radiometer
GFE-3R DOSIMETER > Radiation Dosimeter (SSJ*)
GHIS > Global Hawk In-Flight Turbulence Sensor
GILLNETS
GLAS > Geoscience Laser Altimeter System
GLI > Global Imager
GLORIA > Geological Long-Range Inclined ASDIC
GME > Goddard Medium Energy Experiment (IMP-8)
GMI > Global Precipitation Measurement Microwave Imager
GNSS RECEIVER >
GNSS-RO RECEIVER > Global Navigation Satellite System Radio Occultation (CLARREO)
GO-FLO BOTTLES
GOES I-M IMAGER
GOES I-M SOUNDER
GOES N-P IMAGER
GOES N-P SOUNDER
GOES-8 IMAGER
GOLF > Global Oscillations at Low Frequencies
GOME > Global Ozone Monitoring Experiment
GOME-2 > Global Ozone Monitoring Experiment-2
GOMOS > Global Ozone Monitoring by Occultation of Stars
GONG INSTRUMENT > Global Oscillation Network Group Instrument
GONG NETWORK > Global Oscillation Network Group Network
GPR > Ground Penetrating Radar
GPS > Global Positioning System
GPS CLOCKS
GPS RECEIVERS
GPS SONDE
GPS/IMU > Global Positioning System/Inertial Measurement Unit



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Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

GPSP > Global Positioning System Payload
GRAB SAMPLERS
GRACE INTERFEROMETER
GRACE LRR > Laser Retro-Reflector
GRANULOMETRIC SIEVES
GRAS > Global navigation satellite system Receiver for Atmospheric Sounding
GRAVIMETERS
GRB > Solar X-Ray/Cosmic Gamma-Ray Burst Experiment
GREEN CORONAGRAPH
GRILLE > Grille Spectrometer
GROUND WATER LEVEL GAUGES
GSD > Germanium Semiconductor Detector
GTR > Gunther and Tegetmeyer Recorder
GUST PROBES
GUVI > Global Ultraviolet Imager
GWLG > GROUND WATER LEVEL GAUGES
GYROS
HAIRS > High Accuracy Inter-satellite Ranging System
HALOE > Halogen Occultation Experiment
HAMI > Hydrocarbon Automatic Measuring Instrument
HAMSR > High Altitude MMIC Sounding Radiometer
HARD X-RAY MONITOR
HATDL > HOBO XT Air Temperature Logger
HCMR > Heat Capacity Mapping Radiometer
HELIOGRAPHS
HENA > High-Energy Neutral Atom Imager (IMAGE)
HEP > High Energy Particles (Geotail)
HEPAD > High Energy Proton and Alpha Detector
HESSI IMAGER
HESSI SPECTROMETER
HFOVR > Hemispherical Field of View Radiometer
HI-SCALE > Heliosphere Instrument for Spectra, Composition, and Anisotropy and Low Energies
HIRAD > Hurricane Imaging Radiometer
HIRDLS > High-Resolution Dynamics Limb Sounder
HIRS > High Resolution Infrared Radiation Sounder
HIRS/2 > High Resolution Infrared Radiation Sounder/2
HIRS/3 > High Resolution Infrared Radiation Sounder/3
HIRS/4 > High Resolution Infrared Radiation Sounder/4



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Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

HIS > High Resolution Interferometer Sounder
HMI-SDO > Helioseismic and Magnetic Imager on Solar Dynamics Observatory
HPGE > Hyperpure Germanium
HPLC > High-Performance Liquid Chromatograph
HRC > High Resolution Camera
HRCCD > High Resolution CCD Imager
HRDI > High Resolution Doppler Imager
HRG-1 > High Resolution Geometrical Instrument
HRG-2 > High Resolution Geometrical Instrument
HRIR NIMBUS-1 > High-Resolution Infrared Radiometer on NIMBUS-1
HRIR NIMBUS-2 > High-Resolution Infrared Radiometer on NIMBUS-2
HRIR NIMBUS-3 > High-Resolution Infrared Radiometer on NIMBUS-3
HRPC > High Resolution Panchromatic Camera
HRR > High Resolution Radiometer
HRS > High Resolution Stereoscopic Instrument
HRTC > High Resolution Technological Camera
HRTS > High Resolution Telescope and Spectrograph
HRV > High Resolution Visible Imaging System
HRVIR > High Resolution Visible and Infrared
HSB > Humidity Sounder for Brazil
HSRL > High Spectral Resolution Lidar
HUMIDITY SENSORS
HUMIDITY TRANSDUCERS
HVAS > High Volume Air Sampler
HVPS > High Volume Particle Sampler
HXIS > Hard X-ray Imaging Spectrometer
HXRBS > Hard X-ray Burst Spectrometer
HXT > Hard X-ray Telescope
HYDRA > Hot Plasma Analyzer
HYDROMETERS
HYDROPHONES
HYGROMETERS
HYGROTHERMOGRAPHS
HYPERION > HYPERSPECTRAL IMAGER
HYPSONETERS
IASI > Infrared Atmospheric Sounding Interferometer
ICE AUGERS
ICE CORE MELTER > ICE CORE CONTINUOUS MELTER
ICE STRESS SENSORS



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Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

ICECUBE
ICI > Ion Composition Instrument
ICP-AES > Inductively Coupled Plasma Atomic Emission Spectrometer
ICP-ES > INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY
ICP-MS > Inductively Coupled Plasma Mass Spectrometer
IDM > Ion Drift Meter
IES > Inverted Echo Sounders
IFSAR > Interferometric Synthetic Aperture Radar
IIR > Imaging Infrared Radiometer
IKAR > Multichannel Microwave Radiometric System
ILAS > Improved Limb Atmospheric Spectrometer
ILAS II > Improved Limb Atmospheric Spectrometer-II
IMAGING RADAR SYSTEMS > Imaging Radar Systems, Real and Synthetic Aperture
IMAGING RADIOMETERS
IMAGING RIOMETERS
IME > IMP-8 Magnetometer Experiment
IMG > Interferometric Monitor for Greenhouse Gases
IMPACT > In situ Measurements of Particles and CME Transients
INCLINOMETERS
INCOHERENT SCATTER RADAR
INCUBATOR
INFRARED INSTRUMENT SUITE > Infrared Instrument Suite (CLARREO)
INFRARED LASER SPECTROSCOPY
INFRARED RADIOMETERS
INFRARED THERMOMETERS
INFRASONIC MICROPHONES
INS > Inertial Navigation System
INTERFEROMETERS
ION CHROMATOGRAPHS
ION MICROPROBES
IONIZATION CHAMBER
IONIZATION PRESSURE GAUGES
IONOSONDE
IPU > Instrument Processing Unit
IR CO2 ANALYZER > Infrared Carbon Dioxide Analyzer
IRAS > InfraRed Atmospheric Sounder
IRFS-2 > Infrared Fourier Spectrometer-2
IRGA > Infrared Gas Analyzers
IRIS > Infrared Interferometer Spectrometer



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C.Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007 .

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

IRIS-XSAT > IRIS on X-Sat
IRMSS > Infrared Multispectral Scanner
IRS > Infrared Radiometer/Spectrometer
IRS (CBERS) > Infrared System (CBERS 3 and 4)
ISAMS > Improved Stratospheric And Mesospheric Sounder
ISO > Imaging Spectrometric Observatory
ISS > Integrated Sounding System
JAMI > Japanese Advanced Meteorological Imager
JPL LASER HYGROMETERS
JW DISDROMETER > Joss-Waldvogel Disdrometer
K-LINE CCD/SOLAR OSCILLATIONS
KBR > K-Band Ranging system
KEMMERER SAMPLER
KNOLLENBERG PROBE
KONUS > Gamma Ray Burst Detector
LA-ICP-MS > Laser Ablation Inductively Coupled Plasma Mass Spectrometer
LAC > LAC (Linear Etalon Imaging Spectrometer Array (LEISA) Atmospheric Corrector
LACE > Lightweight Airborne Chromatograph Experiment
LAND SUBSIDENCE GAUGES
LASCO > Large Angle and Spectrometric COronagraph
LASE > Lidar Atmospheric Sensing Experiment
LASER REFLECTOR
LASER SPECTROMETER
LASER TRACKING REFLECTOR
LASER TRACKING SITE
LASERS > Light Amplification by Stimulated Emission of Radiation
LAT > Large Area Telescope
LBLSC > Low Background Liquid Scintillation Counter
LEE > Low Energy Electrons
LENA > Low-Energy Neutral Atom Imager (IMAGE)
LEP > Low Energy Particles (Geotail)
LEPEDEA > Low-Energy Proton and Electron Differential Energy Analyzer (IMP-8)
LFC > Large Format Camera
LICOR GAS EXCHANGE SYSTEM
LICOR INTEGRATING SPHERE
LICOR LEAF AREA METER
LICOR PLANT CANOPY ANALYZER
LICOR QUANTUM SENSOR
LICOR SOIL GAS CHAMBER



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

LIDAR > Light Detection and Ranging
LIDAR ALTIMETERS > Light Detection and Ranging Altimeters
LIMS > Limb Infrared Monitor of the Stratosphere
LIP > Lightning Instrument Package
LIQUID CHROMATOGRAPHS
LIS > Lightning Imaging Sensor
LISS-I > Linear Imaging Self Scanning Sensor I
LISS-II > Linear Imaging Self Scanning Sensor II
LISS-III > Linear Imaging Self Scanning Sensor III
LISS-IV > Linear Imaging Self Scanning Sensor IV
LLLTV > Low Light Level TV
LLS > Laser-Light Scattering
LONG STREAMERS
LOPC-PMS > Laser Optical Particle Counter
LORAN > Long Range Navigation
LPM > Low Power Magnetometer
LPSP > Multichannel High Resolution UV and Visible Spectrometer
LRA > Laser Retroreflector Array
LRGM > Lacoste-Romberg Gravity Meter
LRR > Laser Retro-Reflector
LT (SEASAT 1) > SEASAT 1 Laser Tracking
LVIS > Laser Vegetation Imaging Sensor
LYMAN-ALPHA HYGROMETER
LYMAN-ALPHA PHOTOMETER
LYSIMETERS
MABEL > Multiple Altimeter Beam Experimental Lidar
MACAWS > Multicenter Airborne Coherent Atmospheric Profiling Wind Sensor
MACS > Multiple Aerosol Collection System
MAESTRO > Measurements of Aerosol Extinct in the Stratos. and Tropos. Retr. by Occultation
MAG > Magnetic Field Experiment
MAGNETO OPTICAL FILTER
MAGNETOGRAPHS
MAGNETOMETERS
MAGVAR > Magnetic Variometer
MAM > Magnetic Field Instrument
MAMS > Multispectral Mapping Atmospheric Sensor
MAPS > Measurement of Air Pollution from Satellite
MARK IV INTERFEROMETER
MAS > MODIS Airborne Simulator



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C. Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007.

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

MAS/ATLAS > Millimeter-wave Atmospheric Sounder
MASP > Mobile Automatic Scanning Photometer
MASPR > Multiple-Angle Aerosol Spectrometer Probe
MASS > High MASS Resolution Spectrometer
MASS SPECTROMETERS
MBES > Multibeam Mapping System
MBLA > Multi-Beam Laser Altimeter
MBT > Mechanical Bathythermographs
MC-ICP-MS > Multi Collector Inductively Coupled Plasma Mass Spectrometers
MCPHA > Multi Channel Pulse Height Analyzer
MDI > Michelson Doppler Imager
MEIS > Multispectral Electro-optical Imaging Sensor
MENA > Medium-Energy Neutral Atom Imager (IMAGE)
MEPAD > Medium Energy Proton and Alpha Detector
MERIS > Medium Resolution Imaging Spectrometer
MERSI > MEdium Resolution Spectral Imager
MESA > Miniature Electrostatic Analyzer
MESSR > Multispectral Electronic Self-Scanning Radiometer
MFE > Magnetic Field Experiment (Geotail)
MFE-P > Magnetic Fields Experiment (Polar)
MFI > Magnetic Field Investigation (WIND)
MFR > Multichannel Flux Radiometer
MFR/SSH > MULTICHANNEL FILTER RADIOMETERS/SPECIAL SENSOR H (SSH)
MFRSR > Multifilter Rotating Shadowband Radiometer and Broadband Pyranometer
MHS > Microwave Humidity Sounder
MICHELSON INTERFEROMETER
MICROBAROGRAPHS
MICROSCOPES
MICROTOMOGRAPHY
MIDWATER TRAWLS
MIMR > Multifrequency Imaging Microwave Radiometer
MIMS > Magnetic Ion-Mass Spectrometer
MINARAD RST-10
MIPAS > Michelson Interferometer for Passive Atmospheric Sounding
MIPS-EFM > MIPS Electric Field Mill
MIR > Millimeter Imaging Radiometer
MIRAS > 2-D Passive L-Band Microwave Interferometer
MIS > Microwave Imager/Sounder
MISR > Multi-Angle Imaging SpectroRadiometer



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C.Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007.

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

MLA > Multi-Linear Array
MLS > Microwave Limb Sounder
MMCR > Millimeter-Wavelength Cloud Radar
MMR > Modular Multiband Radiometer
MMRS > Multispectral Medium Resolution Scanner
MMS > Meteorological Measurement System
MOBLAS > Mobile Laser Systems
MOCNESS > MOCNESS Plankton Net
MODIS > Moderate-Resolution Imaging Spectroradiometer
MOMS-01 > Modular Optoelectronic Multispectral Scanner
MOMS-02 > Modular Optoelectronic Multispectral Stereo Scanner
MONOCHROMATORS
MOP VIS/IR > MOP Imaging Radiometer
MOPITT > Measurements Of Pollution In The Troposphere
MOS > Modular Optoelectronic Scanner
MPL > Micropulse Lidar
MR > MICROWAVE RADIOMETER
MRIR NIMBUS-2 > Medium-Resolution Infrared Radiometer on NIMBUS-2
MRIR NIMBUS-3 > Medium-Resolution Infrared Radiometer on NIMBUS-3
MRM > Miniaturized Radiation Monitor
MS > Multispectral Camera
MSBS > Multibeam Swath Bathymetry System
MSBSP > Multi-Spectral Band Sun Photometer
MSIR > Multispectral Imaging Radiometer
MSP > Meridian Scanning Photometer
MSPI > Multiangle SpectroPolarimetric Imager
MSR > Microwave Scanning Radiometer
MSS > Multispectral Scanner
MST > Mesosphere, Stratosphere and Troposphere Radar
MSU > Microwave Sounding Unit
MSU-E > Multichannel High Resolution Electronic Scanner
MSU-SK > Multichannel Middle Resolution Conical Scanner
MTP > Microwave Temperature Profiler
MTQ > Magnetic Torque Rod
MULTICHANNEL FILTER RADIOMETERS
MULTIFILTER RADIOMETER
MULTILENS CAMERAS
MUON COSMIC RAY DETECTORS
MUXCAM > Multi-Spectral Camera



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

MVI > Multiband Vegetation Imager
MWA > Multiple Water Analyzer
MWHS > MicroWave Humidity Sounder
MWR > Microwave Water Radiometer
MWRI > MicroWave Radiation Imager
MWTS > MicroWave Temperature Sounder
MX-T > Mx Multispectral Camera
N-MASS > Nucleation-Mode Aerosol Size Spectrometer
NACE > Neutral Atmosphere Composition Experiment
NANSEN BOTTLES > Nansen Water Sampling Bottles
NAST-I > NPOESS Aircraft Sounder Testbed-Interferometer
NAST-M > NPOESS Aircraft Sounder Testbed-Microwave Radiometer
NAST-MTS > NPOESS Aircraft Microwave Temperature Sounder
NATE > Neutral Atmosphere Temperature Experiment
NAVREC > ER-2 NAV RECORDER
NDIR GAS ANALYZER > Nondispersive Infrared Gas Analyzer
NEAR-INFRARED SPECTROMETER
NEPHELOMETERS
NET RADIOMETERS
NETS
NEUSTON NET
NEUTRON MONITORS
NEUTRON PROBE
NEVZOROV PROBE > Nevzorov Water Vapor Probe
NEXRAD > NEXt Generation RADar
NFOVR > Narrow Field of View Radiometer
NISKIN BOTTLES
NMLR > Nebraska Multiband Leaf Radiometer
NOAA PROFILER
NOAMI > Nitrogen Oxide Automatic Measuring Instrument
NORPAC ZOOPLANKTON NET
NPOL > NASA Portable S-band Multiparameter Weather Research Radar
NS-001 TMS > NS-001 Thematic Mapper Simulator
NSCAT > NASA Scatterometer
NUCLEAR PRECESSION MAGNETOMETER
OAMI > Oxidants Automatic Measuring Instrument
OBDH > OnBoard Data Handling System
OCE > Ocean Color Experiment
OCM > OCEAN COLOR MONITOR



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Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C.Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007 .

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

OCO SPECTROMETERS > Orbiting Carbon Observatory Spectrometers
OCPS > Orbiter Camera Payload System
OCTS > Ocean Color and Temperature Scanner
OFFI > Optical Free Fall Instrument
OLS > Operational Linescan System
OMEGASONDE
OMI > Ozone Monitoring Instrument
OMPS > Ozone Mapping and Profiler Suite
OPC > Optical Particle Counter
OPC > Optical Plankton Counter
OPS > Optical Sensor
OPTICAL BEACON
OPTICAL DUST LOGGERS > DOWNHOLE OPTICAL DUST AND ASH LOGGERS
OPTICAL TELESCOPES
OPTICAL TRACKING
OPTSPEC > Optical Spectrometer
ORG > Optical Rain Gauge
OSCR > OCEAN SURFACE CURRENT RADAR
OSMOMETERS
OSS > Open-Source Neutral Mass Spectrometer
OTD > Optical Transient Detector
OVM > Overhauser Scalar Magnetometer
OXYGEN ANALYZERS
OXYGEN METERS
OZONE DETECTORS
OZONE MONITORS
OZONE SENSOR
OZONEMETERS
OZONESONDES
P-SYSTEM > High Pressure Gas Sampling System
PALMS > Particle Analysis by Laser Mass Spectrometry
PALS > Passive and Active L- and S-Band System
PALSAR > Phased Array type L-band Synthetic Aperture Radar
PAM > PORTABLE FLUORESCENCE ANALYZERS
PAN > IRS Panchromatic Camera
PANMUX > PanMux Camera
PAR SENSORS > Photosynthetically Active Radiation Sensors
PARABOLA > Portable Apparatus Rapid Acquisition Bidirectional Observ Land and Atmos
PARIS > Pathfinder Airborne Radar Ice Sounder



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

PARTICLE DETECTORS

PARTICLE SPECTROMETERS

PAS > Photoelectric Aerosol Sensor

PASS > Payload Autonomous Star Sensor

PASSIVE IONOSPHERIC MONITOR > Passive Ionospheric Monitor (SSI/P)

PASSIVE OPTICAL TRACKING

PCASP > Passive-Cavity Aerosol Spectrometer Probe

PCD > Potential Control Device

PEACE > Plasma Electron and Current Experiment

PEM > Particle Environment Monitor

PENETROMETERS

PERMEAMETERS

PES > Photoelectron Spectrometer

PES (SSJ/3) > Precipitating Electron Spectrometer

PETROGRAPHIC MICROSCOPES

PH METERS

PHASE CONTRAST MICROSCOPES

PHOTOMETERS

PHOTOSYNTHESIS CHAMBER

PHOTOSYNTHETRON

PIEZOMETERS

PIN DIODE

PIP > Precipitation Imaging Probe

PIPE STRAIN METER

PISTON SAMPLERS

PITOT-STATIC SYSTEM

PIXIE > Polar Ionospheric X-Ray Imaging Experiment

PLA > Panchromatic Linear Array

PLANKTON NETS

PLANT STRESS MONITOR

PLASTIC > PLAsma and SupraThermal Ion and Composition

PMS > Particle Measuring System

PMS 2D-C PROBE > Particle Measuring Systems 2D-C Probe

PMS 2D-P PROBE > Particle Measuring Systems 2D-P Probe

PMS 2D-S PROBE > Particle Measuring Systems 2D-S Probe

POAM II > Polar Ozone and Aerosol Measurement II

POAM III > Polar Ozone and Aerosol Measurement III

POLAR-EFI > Polar Electric Fields Instrument

POLARIMETERS



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C. Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007.

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

POLDER > Polarization/Directionality of the Earth's Reflectance
POLSCAT > Polarimetric Ku-Band Scatterometer
POROMETER
PORTOS > Radiometer Hyper-frequency Multi-frequency
POSEIDON-2 > JASON-1 RADAR ALTIMETER
POSEIDON-3 > JASON-2 RADAR ALTIMETER
PR > TRMM Precipitation Radar
PRARE > Precise Range and Range-Rate Equipment
PRESSURE CHAMBERS
PRESSURE GAUGES
PRESSURE JUMP DETECTOR
PRESSURE PROBE
PRESSURE SENSORS
PRESSURE TRANSDUCERS
PRISM > Panchromatic Remote-sensing Instrument for Stereo Mapping
PROBA.CHRIS.1A > PROBA CHRIS Level 1A
PROBES
PROFILERS
PROTON MAGNETOMETER
PRT > Precision Radiation Thermometers
PSR > Polarimetric Scanning Radiometer
PSYCHROMETERS
PTGA > Propeller Type Generating Anemovane
PTR-MS > Proton Transfer Mass Spectrometer
PWI > Plasma Waves Investigation (Geotail)
PWI-P > Plasma Waves Investigation (Polar)
PXRI > Pinhole X-ray Imager
PYRANOGRAPHS
PYRANOMETERS
PYRGEOMETERS
PYRHELIOMETERS
PYROMETERS
PYRRADIOMETERS
QUADRATS
QUARTZ CRYSTAL THERMOMETER
QUICKBIRD/BHRC-60 > Quickbird Ball High Resolution Camera 60
RA > ERS Radar Altimeter
RA-2 > Radar Altimeter-2
RAD GAUGE > Ram Atmosphere Density Gauge



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

RADAR > Radio Detection and Ranging
RADAR ALTIMETERS
RADAR ECHO SOUNDERS
RADIO BURST RECEIVERS
RADIO TELESCOPES
RADIO TRANSPONDERS
RADIOMETERS
RADIOSONDES
RAIN GAUGES
RAMS > Radiation Measurement System
RAPID > Research with Adaptive Particle Imaging Detectors
RASS > Radio Acoustic Sounding System
RAWINSONDES
RBV > Return Beam Vidicon
RDEFM > Rotating Dipole Electric Field Mill
RED CORONAGRAPH
REFLECTED SOLAR SUITE > Reflected Solar Instrument Suite (CLARREO)
RF ANTENNA
RING SHEAR TESTERS
RIOMETER > Relative Ionospheric Opacity Meter
RIS > Retroreflector in Space
RL > Raman Lidar
RO > GPS Radio Occultation Receiver
ROCK CORERS
ROCKETSONDES
ROSEMOUNT PROBES
ROTENONE STATIONS
ROWS > Radar Ocean Wave Spectrometer
RPA > Retarding Potential Analyzer
RPI > Radio Plasma Imager (IMAGE)
RRS > Reflected Radiation Sensor
RSMS > Rapid Single-particle Mass Spectrometer
RSP > Research Scanning Polarimeter
RT > Reversing Thermometer
RTOVS > REVISED TIROS-N OPERATIONAL VERTICAL SOUNDER (RTOVS)
RWP50 > 50-MHz Radar Wind Profiler and Radio Acoustic Sounding System
RWP915 > 915-MHz Radar Wind Profiler and Radio Acoustic Sounding System
SABER > Sounding of the Atmosphere using Broadband Emission Radiometry
SACC-BLACKJACK



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

SAFS > Scanning Actinic Flux Spectroradiometer
SAGE I > Stratospheric Aerosol and Gas Experiment I
SAGE II > Stratospheric Aerosol and Gas Experiment II
SAGE III > Stratospheric Aerosol and Gas Experiment III
SALINOMETERS
SAMI > SO₂ Automatic Measuring Instrument
SAMS > Stratospheric and Mesospheric Sounder
SAR > Synthetic Aperture Radar
SARR > Search and Rescue Repeater
SARSAT > Search and Rescue Satellite Aided Tracking System
SASS > SEASAT-A Scatterometer System
SATELLITE RADIO BEACON
SAW > JPL Surface Acoustic Wave Hygrometer
SBI > Solar Bolometric Imager
SBT > Select-Level Bathythermographs
SBUS > Solar Backscatter Ultraviolet Sounder
SBUV > Solar Backscatter Ultraviolet
SBUV/2 > Solar Backscatter Ultraviolet/2
SCA > Spatial Coordinate Apparatus
SCANFISH > SHIP-TOWED UNDULATING VEHICLE
SCANNING ELECTRON MICROSCOPES
SCARAB > The Scanner for Radiation Budget
SCATTEROMETERS
SCHOLANDER PRESSURE CHAMBER
SCIAMACHY > Scanning Imaging Absorption Spectrometer for Atmospheric Chartography
SCINTILLATION COUNTERS
SCM > SEARCH COIL MAGNETOMETERS
SCOR WP-2 ZOOPLANKTON NET
SCR > Selective Chopper Radiometer
SCR-HF > Surface Current Radar
SCS > Star Camera System
SDPTR > Satellite Doppler Positioning Transit Receivers
SDTA > Satellite Drag Tracking Apparatus
SEAWIFS > Sea-Viewing Wide Field-of-View Sensor
SEAWINDS > SeaWinds Scatterometer
SEC > Solar Corona Experiment (Ulysses)
SECCHI > Sun Earth Connection Coronal and Heliospheric Investigation
SECCHI DISKS
SEDIMENT CORERS



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

SEDIMENT METERS

SEDIMENT TRAPS

SEE > Solar EUV Experiment

SEISMIC REFLECTION PROFILERS

SEISMOGRAPHS

SEISMOMETERS

SEM > Space Environment Monitor

SEM-2 > Space Environment Monitor-2

SEM-N > Space Environment Monitor NPOESS

SEPICA > Solar Energetic Particle Charge Analyzer

SEPS > Source Loss-Cone Energetic Particle Spectrometer

SEVIRI > Spinning Enhanced Visible and Infrared Imager

SFD > Scintillating Fiber Detector

SFERICS DETECTOR

SFM > Spectrofluorometer

SHRIMP > Sensitive High Resolution Ion Microprobe

SIDE-SCAN SONAR

SILICON PHOTODIODES

SIM > Spectral Irradiance Monitor

SIMS > Secondary Ion Mass Spectrometers

SIPS > Smart Instrument Points

SIR-A > Shuttle Imaging Radar-A

SIR-B > Shuttle Imaging Radar-B

SIR-C > Spaceborne Imaging Radar-C

SIRIS > Stratospheric Infrared Interferometer Spectrometer

SIRS > Satellite Infrared Spectrometer

SIS > Solar Isotope Spectrometer

SKY-RADIOMETER

SLAR > Side-Looking Airborne Radar

SLIM-6 > SLIM-6 Imager

SLR > Satellite Laser Ranging

SLRAR > Side-Looking Real Aperature Radar

SLS > Submillimeter Limb Sounder

SMAP L-BAND RADAR > SMAP L-Band Radar

SMAP L-BAND RADIOMETER > SMAP L-Band Radiometer

SMM-HXIS > SMM Hard X-ray Imaging Spectrometer

SMMR > Scanning Multichannel Microwave Radiometer

SMPS > Scanning Mobility Particle Sizer

SMS > SWICS/MASS/STICS Instrument



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

SNOW DENSITY CUTTER
SNOW FORKS
SNOW MEASURING ROD
SNOW TUBE
SNOWPACK TEMPERATURE PROBE
SODAR > Sound Detection and Ranging
SOFIA > STRATOSPHERIC OBSERVATORY FOR INFRARED ASTRONOMY
SOFIE > Solar Occultation for Ice Experiment
SOIL DEPTH PROBE
SOIL HEAT FLUX TRANSDUCER
SOIL HEAT PROBE
SOIL MOISTURE PROBE
SOIL PRESSURE PLATE
SOIL SAMPLER
SOIL TEMPERATURE PROBE
SOLAR SIMULATORS
SOLAR TELESCOPES
SOLAR UV SPECTROMETERS
SOLARIMETERS
SOLCON > Measurement of the Solar Constant
SOLSPEC > Solar Spectrum Measurement
SOLSTICE > Solar-Stellar Irradiance Comparison Experiment
SOMMA > Single Operator Multiparameter Metabolic Analyzer
SONAR > Sound Navigation and Ranging
SONIC ANEMOMETER
SONOBUOYS
SOON SOLAR TELESCOPES
SOPA > Synchronous Orbit Particle Analyzer
SOSUS > Sound Surveillance System
SOT > SOLAR OPTICAL TELESCOPE (Hinode)
SOUNDERS
SOUP > Solar Optical Universal Polarimeter
SPACE RADIATION DOSIMETER
SPEA > Solar Plasma Electrostatic Analyzer (IMP-8)
SPECIFIC ION METERS
SPECTROGRAPHS
SPECTROHELIOGRAPHS
SPECTROMETERS
SPECTROPHOTOMETERS



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

SPECTRORADIOMETERS

SPFC > Solar Plasma Faraday Cup (IMP-8)

SPIN-SCAN AURORAL IMAGER

SPMAMI > Suspended Particulate Matter Automatic Measuring Instrument

SPOL > NCAR S-band Polarimetric Doppler Radar

SPRING BALANCE > SPRING BALANCE

SR > Scanning Radiometer

SREM > Space Radiation Environment Monitor

SRTM > Shuttle Radar Topography Mission

SSALT > POSEIDON Solid State Radar Altimeter

SSB/O > Remote X-Ray Sensor - Precipitating Electrons (SSB/O)

SSB/S > X-Ray Detector (SSB/S)

SSB/X > Advanced X-Ray Detector (SSB/X)

SSB/X2 > Advanced X-Ray Detector (SSB/X2)

SSBUV > Shuttle Solar Backscatter Ultraviolet

SSC > Snow/Cloud Discriminator Special Sensor C

SSCC > Spin Scan Cloud Camera

SSD > Atmospheric Density Sensor

SSFR > Solar Spectral Flux Radiometers

SSH-2 > Infrared Temperature and Moisture Sounder

SSI/E > Ionospheric Plasma Monitor (SSI/E)

SSI/ES > Special Sensor Ionospheric Plasma Monitor

SSI/ES2 > Special Sensor Ionospheric Plasma Monitor 2

SSIES > Ion Scintillation Monitor

SSJ > Electron Spectrometer Special Sensor J (SSJ)

SSJ/4 > Precipitating Electron/Ion Spectrometer

SSM > Special Sensor Magnetometer

SSM/I > Special Sensor Microwave/Imager

SSM/T > Special Sensor Microwave/Temperature

SSM/T-2 > Special Sensor Microwave/Temperature Profiler

SSM/I/S > Special Sensor Microwave Imager/Sounder

SSTI > Satellite-to-Satellite Tracking Instrument

SSU > Stratospheric Sounding Unit

SSULI > Special Sensor Ultraviolet Limb Imager

STAFF > Spatio-Temporal Analysis of Field Fluctuation Experiment

STC > Salinity, Temperature, Conductivity

STD > Salinity, Temperature, Depth

STEEL MEASURING TAPE

STEP FREQUENCY RADIOMETERS



At this time, we are requesting that the following citation be used by those individuals and groups using the GCMD Keywords.

Olsen, L.M., G. Major, K. Shein, J. Scialdone, R. Vogel, S. Leicester, H. Weir, S. Ritz, T. Stevens, M. Meaux, C. Solomon, R. Bilodeau, M. Holland, T. Northcutt, R. A. Restrepo, 2007.

NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

STICS > SupraThermal Ion Composition Spectrometer
STILLING WELL
STOKES POLARIMETER
STRAIN GAUGE WHEATSTONE BRIDGE
STRAIN METER
STREAM GAUGES
STRIPPING VOLTAMMETRY
STS > Step Sampler
SUMER > Solar Ultraviolet Measurements of Emitted Radiation
SUN PHOTOMETERS
SUNFLECK CEPTOMETER
SUNSHINE RECORDERS
SUPERCONDUCTING GRAVIMETER
SUPERSTAR > Space Triaxial Accelerometer for Research Missions
SURVEYING TOOLS
SUSIM > Solar Ultraviolet Spectral Irradiance Monitor
SWAN > Solar Wind Anisotropies
SWAVES > STEREO WAVES
SWE > Solar Wind Experiment (WIND)
SWEPAM > Solar Wind Electron, Proton, and Alpha Monitor
SWICS > Solar Wind Ion Composition Spectrometer
SWICS-U > Solar Wind Ion Composition Spectrometer (Ulysses)
SWIMS > Solar Wind Ion Mass Spectrometer
SWIR > Short Wavelength Infrared Radiometer
SWMS > Surface Water Monitoring System
SWOOPS > Solar Wind Plasma Experiment (Ulysses)
SXI > SOLAR X-RAY IMAGER
SXM > Solar X-Ray Monitor
SXM-2 > Multichannel Sun Photometer
SXP > SOLAR X-RAY PHOTOMETER
SXT > Soft X-ray Telescope
TANSO-FTS > Thermal And Near Infrared Sensor For Carbon Observation
TBB > Tri-Band Beacon
TCISS > TOGA COARE Integrated Sounding System
TDDR > Total-Direct-Diffuse Multichannel Radiometer
TDR > Time Domain Reflectometry Probe
TEAMS > Time of Flight Energy Angle Mass Spectrometer
TED > Total Energy Detector
TELEMETER



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

TELESCOPES

TEM > TRANSMISSION ELECTRON MICROSCOPY

TEMPERATURE LOGGERS

TEMPERATURE PROBES

TEMPERATURE PROFILERS

TEMPERATURE SENSORS

TENSION INFILTRMETER

TEOM > Tapered Element Oscillating Microbalance

TES > Tropospheric Emission Spectrometer

TETHERSONDES

TGRS > Transient Gamma-Ray Spectrometer

THEMIS-EFI > THEMIS Electric Field Instrument

THEMIS-ESA > THEMIS Electrostatic Analyzers

THEMIS-FGM > Themis Fluxgate Magnetometer

THEMIS-SST > THEMIS Solid State Telescope

THEODOLITE

THEOS MS > THEOS Multi Spectral Imager

THEOS MSI > THEOS Multi Spectral Imager

THEOS PAN > THEOS Panchromatic Imager

THERMISTORS

THERMOCOUPLES

THERMOMETERS

THERMOSALINOGRAPHS

THIR > Temperature-Humidity Infrared Radiometer

THR > THRuster activation system

TIDE > Thermal Ion Dynamics Experiment

TIDE GAUGES

TIDI > TIMED Doppler Interferometer

TIM > Total Irradiance Monitor

TIMAS > Toroidal Imaging Mass-Angle Spectrograph

TIMAX > X-Ray Imaging Telescope

TIMS > Thermal Infrared Multispectral Scanner

TIP > Tiny Atmospheric Photometer

TIROS-N > TIROS-N OPERATIONAL VERTICAL SOUNDER

TLPCS > Thermoluminescence Photon Counting System

TLRS > Transportable Laser Ranging Systems

TM > Thematic Mapper

TMI > TRMM Microwave Imager

TMR > TOPEX Microwave Radiometer



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

TMRS2 > Tower Mounted Radiometer System 2
TMS > Thematic Mapper Simulator
TNK > cold gas TaNK system
TNR > Thermopile Net Radiometer
TOC > Total Organic Carbon Analyzer
TOGA RADAR
TOMS > Total Ozone Mapping Spectrometer
TOTCAP > Tropospheric Ozone and Tracers from Commercial Aircraft Platforms
TOU > Total Ozone Unit
TOVS > TIROS Operational Vertical Sounder
TRACE IMAGING TELESCOPE > Transition Region and Coronal Explorer Telescope
TRANSMISSOMETERS
TRANSPARENCY METER
TRANSPONDERS
TRAPS
TRAWL
TSI > TOTAL SKY IMAGER
TUBBS TOWS
TUCKER TRAWLS
TULLGREN FUNNEL
TUNABLE DIODE LASER
TURBIDITY METERS
UCN > Ultrafine Condensation Nucleus Counter
UE > Unifiller-electrometer
UHSAS > Ultra-High Sensitivity Aerosol Spectrometer
ULEIS > Ultra Low Energy Isotope Spectrometer
ULTRASONIC DEPTH GAUGE
ULYSSES-FGM > Ulysses Flux Gate Magnetometer
UMKEHR OBSERVATIONS
UPWARD LOOKING SONAR
URAP > Unified Radio and Plasma Wave Experiment (Ulysses)
USIM > Underwater Spectral Irradiance Meter
USO > Ultra-Stable Oscillator
UV OZONE DETECTORS > Ultraviolet Ozone Detectors
UV SPECTROMETER > Ultraviolet Ozone Spectrometer
UVCS > Ultraviolet Coronagraph Spectrometer
UVI > UltraViolet Imager (Polar)
UVIC > UV Ion Chamber
UVNO > Ultraviolet Nitric Oxide Spectrometer



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

UVS > ULTRAVIOLET SPECTROMETER (SNOE)
UVSP > Ultraviolet Spectrometer and Polarimeter
VAE > Visible Airglow Photometer
VAS > VISSR Atmospheric Sounder
VCEIL > Vaisala Ceilometer
VECTOR MAGNETOGRAPHS
VEGETATION-1 > VEGETATION INSTRUMENT 1 (SPOT 4)
VEGETATION-2 > VEGETATION INSTRUMENT 2 (SPOT 5)
VERTICAL POINTING RADAR
VHM > Vector Helium Magnetometer (Ulysses)
VHRR > Very High Resolution Radiometer
VIDEO CAMERA
VIIRS > Visible-Infrared Imager-Radiometer Suite
VIL > Volume Imaging Lidar
VIRGO > Variability of Solar Irradiance and Gravity Oscillations
VIRIS > Visible and Infrared Intelligent Spectrometer
VIRL > Visible and Near IR Lidar
VIRR > Visible and Infrared Radiometer
VIRS > TRMM Visible Infrared Scanner
VIS > Visible Imaging System (Polar)
VISIBLE SPECTROMETER
VISSR > Visible and Infrared Spin Scan Radiometer
VISUAL CENSUS TRANSECTS
VISUAL OBSERVATIONS
VLA > The Very Large Array
VLBI > Very Long Baseline Interferometry
VLF RECEIVERS
VNIR > Visible and Near Infrared Radiometer
VOLTAGE METERS
VOPC > Video Optical plankton Counter
VPR > Video Plankton Recorder
VTIR > Visible and Thermal Infrared Radiometer
VTPR > Vertical Temperature Profile Radiometer
WAC > Wide Angle Camera
WAS > Whole Air Sampler
WATER BOTTLES
WATER LEVEL GAUGES
WATERGUNS
WATS > Wind and Temperature Spectrometer



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0

Global Change Master Directory (GCMD) Instrument Keywords

Short Name > Long Name

WAVE HEIGHT GAUGES

WAVES > Radio and Plasma Wave Investigation

WBD > Wide Band Data Instrument

WBS > Wide Band Spectrometer

WELL LOGGING TOOLS

WET BULB THERMOMETERS

WET DEPOSITION COLLECTORS

WET/DRY PRECIPITATION SAMPLERS

WFC > Wide Field Camera

WFI (CBERS 1,2) > Wide Field Imager

WFI (CBERS 3,4) > Wide Field Imager

WHISPER > Waves of High Frequency and Sounder for Probing Electron Density by Relaxation

WIFS > Wide Field Scanner

WIND MONITOR

WIND PROFILERS

WIND VANES

WINDII > Wind Imaging Interferometer

WL/CR > WATER LEVEL/CLIMATE RECORDERS

WS > Wind Scatterometer

WSI > Whole-Sky Imager

WVSS > Water Vapor Sensing System

WWS > Whole Water Sampler

X-RAY TELESCOPE

X-SAR > X-Band Synthetic Aperture Radar

XBT > Expendable Bathythermographs

XCP > Expendable Current Profiler

XPOL > NOAA/ETL X-band Polarimetric Doppler Radar

XPS > XUV Photometer System

XRD > X-ray Diffractometer

XRF > X-Ray Fluorescence Spectrometer

XRP > X-Ray Polychromator

XRPD > X-Ray Powder Diffractometer

XRT > X-RAY TELESCOPE (HINODE)

XSV > Expendable Sound Velocity Profilers



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NASA/Global Change Master Directory (GCMD) Earth Science Keywords. Version 6.0.0.0