

Acronyms

ACRF	ARM Climate Research Facility
ADA	Algorithm Development Area
ADP	{STAR} Algorithm and Data Products
AFWA	Air Force Weather Agency
AIRS	Atmospheric Infrared Sounder
AIT	{STAR/ADP} Algorithm Integration Team
APU	Accuracy, Precision, and Uncertainty
ARM	Atmospheric Radiation Measurement
ATBD	Algorithm Theoretical Basis Document
ATDR	Algorithm Technical Discrepancy Report
ATMS	Advanced Technology Microwave Scanner
AWG	Algorithm Working Group
BBR	Band-to-Band Registration
Cal/Val	Calibration/Validation
CART	{ARM} Clouds and Radiation Testbed
CASANOSA	Nickname used for JPSS repository
CIRA	Cooperative Institute for Research in the Atmosphere
CEOS	Committee on Earth Observation Satellites
CERES	Clouds and the Earth's Radiant Energy System
CLASS	Comprehensive Large Array-Data Stewardship System
CM	Cloud Mask
CM	Configuration Management
CrIMSS	Cross-track Infrared Microwave Scanning Suite
CrIS	Cross-track Infrared Scanner
DC	Degradation Condition
DCR	Discrepancy Change Report
DMSP	Defense Meteorological Satellite Program
DoD	Department of Defense
DPA	Data Products and Algorithms
DPAG	Data Processing Algorithm Group
DPE	Data Product Engineering
DR	Discrepancy Report
EC	Exclusion Condition
ECMWF	European Centre for Medium-range Weather Forecasting
EDR	Environmental Data Record
EDRPR	EDR Performance Requirement
EOC	Early-orbit Checkout
EOS	Earth Observing System
ESRL/GMD	Earth System Resource Laboratory/Global Monitoring Division
EUMETSAT	European Meteorological Satellite
FNMOC	Fleet Numerical Meteorological and Oceanographic Center
FTE	Full-time Equivalent
GB	Gigabytes

GCOS	Global Climate Observing System
GFC	Global Forecast System
GOES	Geostationary Operational Environmental Satellite
GRAVITE	Government Resource for Algorithm Verification, Independent Testing, and Evaluation
GSFC	Goddard Space Flight Center
GTCD	Ground Truth/Correlative Data
GTM	Ground Track Mercator
HCS	Horizontal Cell Size
HIRS	High-resolution Infrared Radiation Sounder
IASI	Infrared Atmospheric Sounding Interferometer
ICF	{GRAVITE} Investigator Computing Facility
ICV	Intensive Calibration/Validation
IDPS	Interface Data Processing Segment
IOP	Intensive Period of Operations
IORD	Integrated Operational Requirements Document
IP	Intermediate Product
IPO	Integrated Program Office
IR	Infrared
JPL	Jet Propulsion Laboratory
JPSS	Joint Polar Satellite System
KPP	Key Performance Parameter
LBLRTM	Line-by-Line Radiative Transfer Model
LCF	Local Computing Facility (at investigators institution, not GRAVITE)
LIDAR	Light Detection and Ranging
LTM	Long-term Monitoring
LTS	Long-term Stability
LWIR	Long Wave Infrared
McIDAS	Man-computer Interactive Data Access System
MODIS	Moderate Resolution Imaging Spectrometer
MW	Microwave
MWIR	Mid-Wave Infrared
NASA	National Aeronautics and Space Administration
NCAR	National Center for Atmospheric Research
NCC	Near Constant Contrast
NCDC	National Climate Data Center
NCEP	National Centers for Environmental Prediction
NESDIS	National Environmental Satellite, Data, and Information Service
NexSat	NRL webpage demonstration tool
NGAS	Northrop Grumman Aerospace Systems
NGDC	National Geophysical Data Center
NIC	National Ice Center
NIST	National Institute of Science and Technology
NOAA	National Oceanic and Atmospheric Administration
NPOESS	National Polar-orbiting Operational Environmental Satellite System

NPP	NPOESS Preparatory Project
NRL	Naval Research Laboratory
NSIPS	NPP Scientific Investigator Processing System
NWP	Numerical Weather Prediction
ODAD	Official Dynamic Ancillary Data
OLR	Outgoing Longwave Radiation
OMPS	Ozone Mapping and Profiler Suite
PCT	Probability of Correct Typing
PEATE	Product and Evaluation Test Element
POES	Polar-orbiting Environmental Satellites
PSDI	Product System Development and Implementation
QA	Quality Assurance
QC	Quality Control
RTM	Radiative Transfer Model
SC	Stratification Condition
SDL	Space Development Laboratory
SDR	Sensor Data Record
SME	Subject Matter Expert
SSEC	Space Sciences Environmental Center
SSMIS	Special Sounder Microwave Imager/Sounder
STAR	Center for Satellite Applications and Research
SWIR	Shortwave IR
TBD	To Be Determined
TBR	To Be Reviewed
TIM	Technical Interchange Meeting
UKMET	United Kingdom Meteorological Office
UMBC	University of Maryland/Baltimore County
VCM	VIIRS Cloud Mask
VCS	Vertical Cell Size
VIIRS	Visible/Infrared Imaging Radiometer Suite
WMO	World Meteorological Organization