

20. Acronyms

ABS	alternate bearing support
ACE	attitude control electronics
ACS	attitude control subsystem
ACSS	acquisition sun sensor
A/D	analog to digital
ADC	analog to digital converter
ADI	Applied Dynamics International
ADS	angular displacement sensor
AGO	University of Chile and Santiago tracking station
A-hr	Amp hour
AMF	apogee motor firing
AND	(a logical function, as in AND gate)
AQM	sun acquisition mode
ATC	Assurance Technology Corporation
BC	bus controller
BCC	battery charge control
BCVM	battery cell voltage monitor
BDC	battery discharge control
B/S	Beamsplitter
BSS	Boeing Satellite Systems
BVC	bus voltage control
BVL	bus voltage limiter
C	Celcius
CCD	charge coupled device
CCSDS	Consultative Committee for Space Data Systems
CDA	Command and Data Acquisition
CDAS	Command and Data Acquisition Station
CDRL	contract data requirements list
CDS	Correlated double sampling
CEI	coherent error integrator
CF	center frequency
cm	centimeters

20. Acronyms

CME	coronal mass ejection
COMSEC	communications security
CONUS	contiguous United States (lower 48 states)
CTCU	Central telemetry and command unit
D/A	digital to analog
DAB	deployable aft blanket
DCP	data collection platform
DCPI	data collection platform interrogate
DCPR	data collection platform report
DCS	data collection system
DDB	digital data bus
DEB	data electronics box
DGS	Diego Garcia station (USAF)
DID	dynamic interaction diagnostic
DMC	dynamic motion compensation
DoC	Department of Commerce
DPU	digital processing unit
DSN	Deep Space Network
ECRA	electrical contact ring assembly
EED	electro-explosive device
ELT	emergency locator transmitters
EMC	electromagnetic compatibility
EMI	electro mechanical interference
EMWIN	emergency managers weather information network
EPEAD	energetic proton, electron, and alpha detector
EOC	edge of coverage
EOL	end of life
EPIRB	emergency position indicating radio beacon
EPROM	erasable programmable read only memory
EPS	energetic particle sensor, electrical power subsystem
EUV	extreme ultraviolet
E-W, ew, E/W	East-West
EWSK	East-West stationkeeping
FCDAS	Fairbanks CDAS
FDB	frame definition block
FEMA	Federal Emergency Management Agency
FOV	field of view
FPGA	field programmable gate array
ft	feet
GFE	government furnished equipment
GIMTACS	GOES I-M telemetry and command system

20. Acronyms

GMS	Geostationary Meteorological Satellite
GMT	Greenwich mean time; ground multiband terminal
GN	ground network
GOES	Geostationary Operational Environmental Satellite
GSFC	Goddard Space Flight Center
GTACS	GOES telemetry and command system
GVAR	GOES variable data format
HASS	high accuracy sun sensor
He	Helium
HEB	HASS electronics box
HEPAD	high energy proton and alpha particle detector
HgCdTe	Mercury Cadmium Telluride
HIRU	hemispherical inertial reference unit
HSE	Hughes spacecraft emulator
IF	intermediate frequency
IFC	in flight calibration
IFOV	instantaneous field of view
IGFOV	instantaneous geometric field of view
IMC	image motion compensation
IMCGEN	IMC generation function
IMP	instrument mounting platform
INR	image navigation and registration
IOO	instrument of opportunity
IOS	Indian Ocean Station
IP	internet protocol
IPC	Integrated power controller
IR	Infrared
IRTCU	instrument remote telemetry and command unit
ISEC	instrument systematic error compensation
ITT	ITT Industries, Inc.
KSS	Keyhole sun sensor
K	Kelvin temperature
km	kilometers
kw	kilowatts
LAM	liquid apogee motor
LAN	local area network
lb-f	pound-force
LED	light emitting diode
LEO	low earth orbit
LMATC	Lockheed Martin Advanced Technology Center

20. Acronyms

LOR	launch and orbit raising
LOS	line of sight
LRIT	Low Rate Information Transmission
LTT	low thrust thrusters
LVC	launch vehicle contractor
LW	long wave
m	meters
MAGED	magnetospheric electron detector
MAGPD	magnetospheric proton detector
MDL	multi-use data link
METEOSAT	Meteorological (European Space Agency) Satellite
MILA	Merritt Island Launch Area tracking station
min	minutes
MLI	multilayer insulation
MMC	mirror motion compensation
MMH	monomethylhydrazine
MRS&S	MDL receive system and server
MUX	multiplexer
MW	Mid wave
N	Newton
NASA	National Aeronautics and Space Administration
NESDIS	National Environmental Satellite, Data, and Information Service
NGDC	National Geophysical Data Center
NOAA	National Oceanic and Atmospheric Administration
NRZ	non-return to zero
N-S, ns, N/S	North-South
NSA	National Security Agency
NSI	NASA standard initiator
NSOF	NOAA Space Operations Facility
NSSK	North-South stationkeeping
NT	nano Tesla
NTACTS	NOP telemetry acquisition and command transmission system
NTO	nitrogen tetroxide
NW	Northwest
NWS	National Weather Service
O&A	orbit and attitude
OAD	orbit and attitude determination
OATS	orbit and attitude tracking system
OBP	onboard processor
OGE	operations ground equipment
OPS	Operations

20. Acronyms

OSC	on-board star catalog
OSR	optical solar reflector
PCM	pulse code modulation
PDR	processed data relay
PDU	power distribution unit
PEB	power electronics box
PES	performance evaluation system
PLB	personal locator beacon
PM	product monitor
PMD	propellant management device
PMF	perigee motor firing
PMT	photo multiplier tube
POES	Polar-orbiting Operational Environmental Satellite
PSS	precision sun sensor
PWDT	Processor watch dog timer
QPSK	quadrature phase shift keyed
RAM	random access memory
RF	radio frequency
RT	remote terminal
RTS	real time station
RWA	reaction wheel assembly
SAA	solar array actuator
SAD	solar array drive
SAIC	Science Applications International Corporation
SAR	search and rescue
SARSAT	search and rescue satellite aided tracking
S/C	spacecraft
SCP	Spacecraft control processor
SD	sensor data
SDA	Subsystem design and analysis
SDU	squib driver unit
SEU	single event upset
SEM	space environment monitor
SESC	Space Environment Services Center
SFSS	satellite field service station
SIAD	stellar inertial attitude determination
SLT	Spacecraft local time
SMS	Synchronous Meteorological Satellite
SPS	sensor processing system
SOC	state of charge

20. Acronyms

SOCC	Satellite Operations Control Center
SRSO	super rapid scan operation
SSD	solid state detector
SSGS	spacecraft support ground system
SSPA	solid state power amplifier
ST	star tracker
STM	storage mode
STDN	Satellite Tracking and Data Network
SW	short wave
SWD	solar wing drive
SWPC	Space Weather Prediction Center of NOAA
SWSI	single wire serial interface
SXI	Solar X-ray Imager
T&C	telemetry and command
TBS	To be specified (or supplied)
TC&R	telemetry, command, and ranging
TDRS	Tracking Data Relay Satellite
TLM	telemetry
TOSS	transfer orbit sun sensor
TWDT	thruster watch dog timer
UAQPSK	unbalanced asynchronous quadrature phase shift keyed
UQPSK	unbalanced quadrature phase shift keyed
UHF	ultrahigh frequency
USN	Universal Space Network
UTC	universal time coordinated
UWDT	Unit watch dog timer
VAS	visible and infrared spin scan radiometer atmospheric sounder
VIS	visible
VME	versa-bus module eurocard
WBU	Wallops Backup
WCDAS	Wallops CDAS
WEFAX	weather facsimile
WFC	wide field collimator
WGS	Wallops Ground System tracking station
XRP	x-ray platform, x-ray positioner
XRS	x-ray sensor
XUV	extreme ultraviolet
μm	micrometers
μrad	microradians
1553 RT	1553 Data bus remote terminal