



appendix



NASA wishes to acknowledge the use of images provided by:

Canadian Space Agency

European Space Agency

Japan Aerospace Exploration Agency

Roscosmos, the Russian Federal Space Agency

Acronym List

1P	Progress flight	DLR	German Aerospace Center	HTV	H-II Transfer Vehicle [JAXA]
1S	Soyuz flight	DMS	Data Management System	IBMP	Institute for Biomedical Problems
AC	Assembly Complete	DOS	Long-Duration Orbital Station [Russian]	ICC	Integrated Cargo Carrier
ACU	Arm Control Unit	EADS	European Aeronautic Defence and Space Company	ICS	Internal Communications System
ARC	Ames Research Center	ECLSS	Environmental Control and Life Support System	IEA	Integrated Equipment Assembly
ARIS	Active Rack Isolation System	ECS	Exercise Countermeasures System	IRU	In-flight Refill Unit
ATCS	Active Thermal Control System	ECU	Electronics Control Unit	ISPR	International Standard Payload Rack
atm	Atmospheres	EDR	European Drawer Rack	ISS	International Space Station
ATV	Automated Transfer Vehicle, launched by Ariane [ESA]	EDV	Water Storage Container [Russian]	ITA	Integrated Truss Assembly
ATV-CC	Automated Transfer Vehicle Control Centre	EF	Exposed Facility	ITS	Integrated Truss Structure
BCA	Battery Charging Assembly	EHS	Environmental Health System	IV-CPDS	Intravehicular Charged Particle Directional Spectrometer
BCDU	Battery Charge Discharge Unit	ELC	EXPRESS Logistics Carrier	JAXA	Japan Aerospace Exploration Agency
BSA	Battery Stowage Assembly	ELM	Experiment Logistics Module	JEM	Japanese Experiment Module
CBM	Common Berthing Mechanism	EMU	Extravehicular Mobility Unit	JEM-ELM	Japanese Experiment Module-Experiment Logistics Module
CC	Control Center	EPM	European Physiology Module	JEM-ELM-EF	Japanese Experiment Module-Experiment Logistics Module-Exposed Facility
CCAA	Common Cabin Air Assembly	EPS	Electrical Power System	JEM-ELM-ES	Japanese Experiment Module-Experiment Logistics Module-Exposed Section
CCC	Contaminant Control Cartridge	ERA	European Robotic Arm	JEM-ELM-PS	Japanese Experiment Module-Experiment Logistics Module-Pressurized Section
CDRA	Carbon Dioxide Removal Assembly	ESA	European Space Agency	JEM-PM	Japanese Experiment Module-Pressurized Module
CETA	Crew and Equipment Translation Aid/Assembly	ESTEC	European Space Research and Technology Centre	JEM-RMS	Japanese Experiment Module-Remote Manipulator System
CEV	Crew Exploration Vehicle	ETC	European Transport Carrier	JSC	Johnson Space Center
CEVIS	Cycle Ergometer with Vibration Isolation System	EVA	Extravehicular Activity	kgf	Kilogram Force
CHeCS	Crew Health Care System	ExPCA	EXPRESS Carrier Avionics	kN	Kilonewton
CMG	Control Moment Gyroscope	EXPRESS	Expedite the Processing of Experiments to the Space Station	KSC	Kennedy Space Center
CMRS	Crew Medical Restraint System	FGB	Functional Cargo Block	lbf	Pound Force
CMS	Countermeasures System	FRAM	Flight Releasable Attachment Mechanism	LF	Logistics Flight
CNES	Centre National D'Études Spatiales [French space agency]	FRGF	Flight Releasable Grapple Fixture	LiOH	Lithium Hydroxide
COF	Columbus Orbital Facility	FSA	Roscosmos, Russian Federal Space Agency	LSS	Life Support Subsystem
COL-CC	Columbus Control Centre	FSL	Fluid Science Laboratory	Mb	Megabit
COTS	Commercial Orbital Transportation Services	GASMAP	Gas Analyzer System for Metabolic Analysis Physiology	MBS	Mobile Base System
CPDS	Charged Particle Directional Spectrometer	GB	Gigabyte	MBSU	Main Bus Switching Unit
CRPCM	Canadian Remote Power Controller Module	GCM	Gas Calibration Module	MCC	Mission Control Center
CSA	Canadian Space Agency	GCTC	Gagarin Cosmonaut Training Center	MDM	Multiplexer-Demultiplexer
CTB	Cargo Transfer Bag	GN&C	Guidance, Navigation, and Control	MELFI	Minus Eighty-Degree Laboratory Freezer for ISS
CWC	Contingency Water Container	GLONASS	Global Navigation Satellite System [Russian]	MGBX	Microgravity Science Glovebox
DC	Docking Compartment; Direct Current	GPS	Global Positioning System	MLE	Middeck Locker Equivalent
DCSU	Direct Current Switching Unit	GRC	Glenn Research Center	MLM	Multipurpose Laboratory Module
DDCU	DC-to-DC Converter Unit	GSC	Guiana Space Center	MMOD	Micrometeoroid/Orbital Debris
DDT&E	Design, Development, Test, and Evaluation	HMS	Health Maintenance System		
		HRF	Human Research Facility		

(continued on page 96)

Acronym List *(continued from page 95)*

MMU	Mass Memory Unit	S0 or S Zero, S1, etc.	Starboard trusses
MOC	MSS Operations Complex	SARJ	Solar (Array) Alpha Rotation Joint
MPLM	Multi-Purpose Logistics Module	SAFER	Simplified Aid for EVA Rescue
MSFC	Marshall Space Flight Center	SASA	S-Band Antenna Structural Assembly
MSS	Mobile Servicing System	SAW	Solar Array Wing
MT	Mobile Transporter	SFOG	Solid Fuel Oxygen Generator
NASA	National Aeronautics and Space Administration	SFP	Space Flight Participant
NAVSTAR	Navigation Signal Timing and Ranging [U.S. satellite]	SGANT	Space-to-Ground Antenna
NPO	Production Enterprise [Russian]	SM	Service Module
NTO	Nitrogen Tetroxide	SPDM	Special Purpose Dexterous Manipulator
NTSC	National Television Standards Committee	SS	Space Shuttle
OMS	Orbital Maneuvering System	SSA	Space Suit Assembly
OGS	Oxygen Generation System	SSIPC	Space Station Integration and Promotion Center
ORU	Orbital Replacement Unit	SSRMS	Space Station Remote Manipulator System
OVC	Oxygen Ventilation Circuit	SSU	Sequential Shunt Unit
P1, P6, etc.	Port trusses	STS	Space Transportation System
PCAS	Passive Common Attach System	TCS	Thermal Control System
PDA	Payload Disconnect Assembly	TDRS	Tracking and Data Relay Satellite
PDGF	Payload Data Grapple Fixture	TEPC	Tissue Equivalent Proportional Counter
PLSS	Primary Life Support System	TKS	Orbital Transfer System
PM	Pressurized Module	TKSC	Tsukuba Space Center
PMA	Pressurized Mating Adapter	TMA	Transportation Modified Anthropometric
POC	Payload Operations Center; Primary Oxygen Circuit	TMG	Thermal Micrometeoroid Garment
PROX OPS	Proximity Operations	TNSC	Tanegashima Space Center
PSA	Power Supply Assembly	TORU	Progress Remote Control Unit [Russian]
PSC	Physiological Signal Conditioner	TSC	Telescience Support Center
PTCS	Passive Thermal Control System	TSS	Temporary Sleep Station
PVGF	Power Video Grapple Fixture	TSUP	Moscow Mission Control
PVR	Photovoltaic Radiator	TVIS	Treadmill Vibration Isolation System
RED	Resistive Exercise Device	UDMH	Unsymmetrical Dimethylhydrazine
RGA	Rate Gyro Assembly	UF	Utilization Flight
RM	Research Module	UHF	Ultra-High Frequency
RMS	Remote Manipulation, Manipulator System	ULF	Utilization and Logistics Flight
RPC	Remote Power Controller	UMA	Umbilical Mating Assembly
rpm	Revolutions Per Minute	USOC	User Support and Operations Centre
ROEU-PDA	Remotely Operated Electrical Umbilical-Power Distribution Assembly	VDC	Voltage, Direct Current
RPCM	Remote Power Controller Module	VDU	Video Distribution Unit
RSC	Rocket and Space Corporation	VOA	Volatile Organic Analyzer
RV	Reentry Vehicle	WRS	Water Recovery System
S&M	Structures and Mechanisms	Z1	Zenith 1, a truss segment

Definitions

Assembly Complete

Final integrated arrangement of ISS elements

Assembly Stage

Integrated arrangement of ISS elements

Berthing

Linking of two spacecraft, modules, or elements; uses apparatus with wide internal hatch

Docking

Linking of two spacecraft; uses apparatus with narrow internal hatch

Element

A structural component such as a module or truss segment

Expedition

A stay on board the ISS; the long-duration crew during a stay on the ISS

Increment

Period of time from launch of a vehicle rotating ISS crewmembers to the undocking of the return vehicle for that crew

Mission

Flight of a “visiting” Space Shuttle, Soyuz, or other vehicle not permanently attached to the ISS

Module

An internally pressurized element intended for habitation

Multiplexer

A computer that interleaves multiple data management functions

Nadir

Directly below, opposite zenith

Port

Left side, opposite starboard

Rendezvous

Movement of two spacecraft toward one another

Space Flight Participant

Nonprofessional astronaut

Starboard

Right side, opposite port

Zenith

Directly above, opposite nadir