

Assembly Sequence Revision F Overview

Launch Date	Flight	Delivered Elements
Nov-98	1A/R	FGB (Launched on PROTON launcher)
Dec-98	2A	Node 1: 1 Stowage rack, ZSRs,PMA1, PMA2; 2 APFRs (Sidewalls)
May-99	2A.1	Spacehab Double Cargo Module; OTD, Strela 1 Components, SHOSS (ICC)
May-00	2A.2A	Spacehab Double Cargo Module; Strela 1 Components, SHOSS (ICC)
Jul-00	1R	Service Module
Sep-00	2A.2B	Spacehab Double Cargo Module; SHOSS(ICC)
Oct-00	3A	Z1 truss: CMGs, Ku-band, S-band Equip.; PMA3, 2 ETSDs (SLP); 2 Z1 DDCUs (Sidewall)
Oct-00	2R	Soyuz -TM (a)
Nov-00	4A	P6: PV Arrays (6 battery sets), EEATCS radiators, S-band Equip.
Jan-01	5A	Lab: Lab System racks, ZSRs; PDGF (Sidewall); SASA (Sidewall)
Feb-01	5A.1	Lab System racks, RSRs, RSPs, ISPR (Lab Outfitting) (MPLM); EAS, PFCS, LCA, RU, ESP (ICC) (c)
Mar-01	4R	Docking Compartment 1 (DC1): Strela 2
Apr-01	6A	RSPs, RSRs, ISPRs (MPLM); DCSU (Sidewall); UHF, SSRMS (SLP) (b)
May-01	7A	Airlock: Stowage Platform, CA Equip Rack, Avionics Rack, External Equip; HP gas (2 O2, 2 N2) (SLDP)
Jun-01	7A.1	RSRs, RSPs, ISPRs (MPLM); SM MMOD Shields, SPP PWP Comp. , OTD, 2 SHOSS, Ext. Att. P/L (ICC); APFR (Sidewalls) (c)
Oct-01	UF1	RSRs, RSPs, ISPR, MELFI (MPLM); WVS (Sidewall) (c)
Jan-02	8A	S0: MT, GPS, Airlock and Node 3 Umbilicals, A/L Spur, PWP
Feb-02	UF2	RSRs, RSPs, ISPRs (MPLM); MBS; PDGF (Sidewall); MDM Radiators (Sidewalls) <TBD 3-23>(c)
May-02	9A	S1: 3 TCS Radiators, CETA Cart A, S-band Equip.
Jun-02	ULF1	<TBD 3-26> (MPLM); <TBD 3-26> (ULC); ESP-2 w/ spares (c)
Oct-02	11A	P1: 3 TCS Radiators, CETA Cart B, UHF
Oct-02	9A.1	Science Power Platform (SPP): 4 solar arrays, ERA, PDGF
Feb-03	12A	P3; P4: PV Arrays (6 battery sets), 2 ULCAS
Mar-03	12A.1	Spacehab Single Cargo Module; <TBD 3-27> (ICC);P5; PVRGF (Sidewall) (c)
Jun-03	13A	S3; S4: PV Arrays (6 battery sets), 4 PAS
Jul-03	13A.1	Spacehab Single Cargo Module; <TBD 3-27> (ICC); S5; PVRGF (Sidewall)
Oct-03	3R	Universal Docking Module (UDM)
Oct-03	5R	Docking Compartment 2 (DC2)
Oct-03	10A	Node 2: DDCU racks, ZSRs; NTA (CBC)
Jan-04	1J/A	ELM PS: 4 Sys, 3 ISPRs, 1 Stow; 2 SPP SA w/truss, SM MMOD Shields (ULC); NTA (<TBD 3-28>); <TBD 3-32>ORUs (CBC)
Apr-04	9R	Docking & Stowage Module (DSM)
Apr-04	10A.1	Propulsion Module
May-04	1J	JEM PM: 4 JEM Sys racks, JEM RMS
Aug-04	UF3	RSPs, RSRs, ISPRs, 1 JEM rack (MPLM); Express Pallet; <TBD 3-32>ORUs (CBC)
Sep-04	UF4	S3 Attached P/L; ATA <TBD 3-28>, SPDM (SLP)
Jan-05	2J/A	JEM EF; ELM-ES: EF Payloads, ICS, SFA w/carrier; Cupola (SLP); ATA (<TBD 3-28>)
Feb-05	UF-5	RSPs, RSRs, RSP-2s, ISPRs (MPLM); Express Pallet; <TBD 3-32>ORUs (CBC)
May-05	1E	Columbus Module: ZSR, ISPRs; <TBD 3-32> ORUs (CBC)
Jun-05	UF6	RSPs, RSRs, RSP-2s, ISPRs (MPLM); Express Pallet; <TBD 3-32>ORUs (CBC)
Jul-05	14A	2 SPP SAs w/truss, 4 SM MMOD Wings (ULC); MT/CETA Port & Stbd Rails (SLP) <TBD 3-33>, EF P/Ls & Spares (<TBD 3-29>)
Sep-05	20A	Node 3: Avionics Racks, ECLSS Racks; <TBD 3-32> ORUs (CBC)
Sep-05	16A	Hab: Hab sys racks, ZSRs, 4 Crew Qtrs, ISPR; <TBD 3-32> ORUs (CBC)
Nov-05	8R	Research Module 1 (RM-1)
Dec-05	17A	1 Lab Sys, Node 3 System Racks, RSRs, RSPs, RSP-2s, ISPRs (MPLM); CBA (SLP) - (d)
Jan-06	18A	CRV 1
Feb-06	19A	RSPs, RSR, RSP-2s, ISPRs, Hab System Rack, CheCs Racks (MPLM); <TBD 3-32> ORUs (CBC) - (e)
Apr-06	15A	S6: PV Arrays (6 battery sets), PV Module S6 Radiator <TBR 3-15>
May-06	UF7	Centrifuge Accommodations Module (CAM); ZSRs
May-06	10R	Research Module 2 (RM-2)

(a) - 3 Person Permanent International Human Presence Capability

(b) - Microgravity Capability

(c) - 3 ISS crew member rotation

(d) - 6 Person USOS ECLSS Capability

(e) - Rack traffic assumes transition to 7 person capability on 19A