
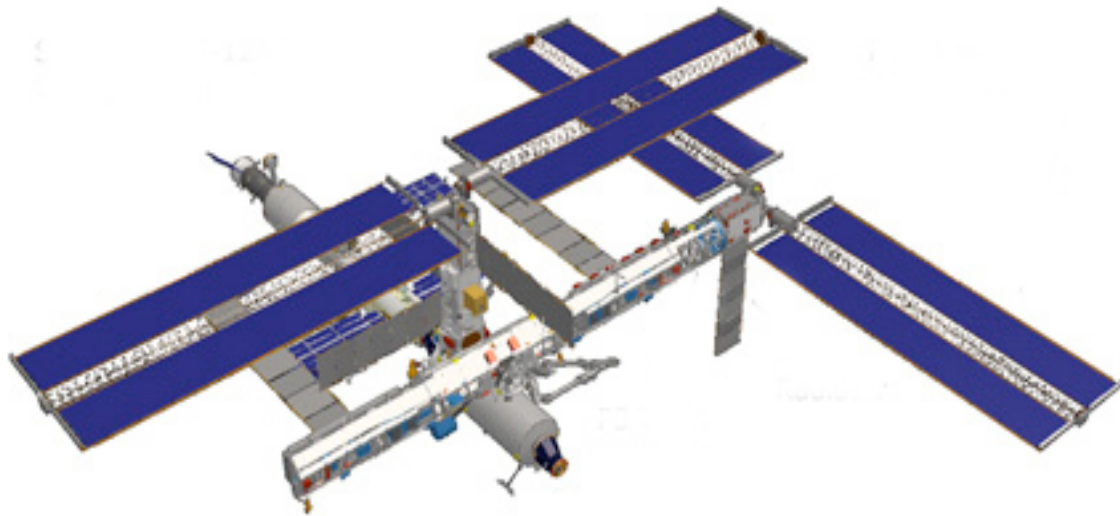
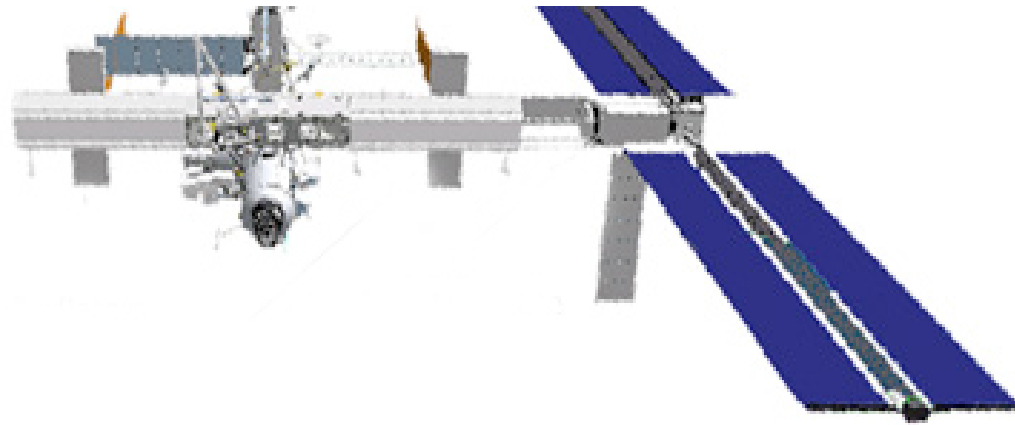


| STS/ISS Manifest and Crews | | | | | SpaceCalc |
|--|----|-----------------------------------|---|---|---|
| ISS Flight | No | Launch | 2006 | Shuttle Crew | STS-121/ISS-ULF1.1 Elements/EVAs |
| ISS-13 Up: 03/30/06 Vinogrado J Williams Reiter (STS-121) | 1 | Launch: 07/04/06 | STS-121 ULF 1.1 Discovery | CDR Lindsey PLT M. Kelly MS1/EV2 Fossum MS2 Nowak MS3 Wilson MS4/EV1 Sellers MS5 Reiter, ESA (up) | Return to flight test mission; TUS/MT repair; TPS tests Reiter to ISS EVA-1/2/3: Sellers, Fossum |
| | | Land: 07/17/06 |  | | |
| | | | | | STS-115/ISS-12A Elements/EVAs |
| | 2 | Launch: 08/27/06 | STS-115 12A Atlantis | CDR Jett PLT Ferguson MS1/EV1 Tanner | 2nd port truss segment (P3/P4); 2nd set of solar arrays; 3 EVAs |

| | | | | |
|--|--|---|--|--|
| | | <p>Land: 09/07/06</p> | <p>MS2/EV3 Burbank MS3/EV2 Piper MS4/EV4 MacLean</p> | <p>EVA-1: Tanner, Piper EVA-2: Burbank, MacLean EVA-3: Tanner, Piper</p> |
| <p>ISS-14 Up: 09/14/06</p> | | | | |
| <p>Lopez A Tyurin Enomoto</p> | | | | |
| <p>ISS-13 Dn: 09/25/06</p> | | | | |
| <p>Vinogrado J Williams Enomoto</p> | | | | |
| | | | | |
| | | | STS-116/ISS-12.1 Elements/EVAs | |
| | | <p>3 Launch: STS-116 12/14/06 12A.1 Discovery</p> | <p>CDR Polansky PLT Oefelein MS1 Patrick MS2/EV1 Curbeam MS3/EV2 Fuglesang, ESA MS4 Higginbotham MS5/EV3 Williams (up) MS5 Reiter (down)</p> | <p>3rd port truss segment (P5); Spacehab cargo module P6 port array retraction</p> <p>EVA-1: Curbeam, Fuglesang EVA-2: Curbeam, Fuglesang EVA-3: Curbeam, Williams</p> |
| <p>116 Up: S Williams</p> | | | | |
| <p>116 Dn: Reiter</p> | | | | |





2007

STS-117/ISS-13A Elements/EVAs

4 Launch: STS-117
02/22/07 13A
Atlantis

CDR Sturckow
 PLT Archambault
 MS1/EV3 Forrester
 MS2/EV4 Swanson
 MS3/EV2 Olivas
 MS4/EV1 Reilly

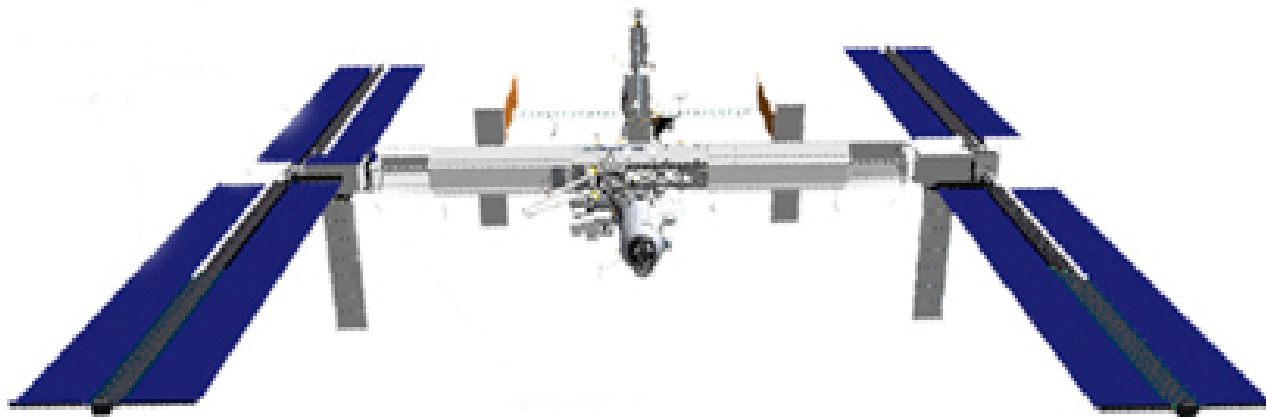
2nd starboard truss element (S3/S4);
 PV radiator; 3rd set of solar arrays
 P6 starboard array retraction

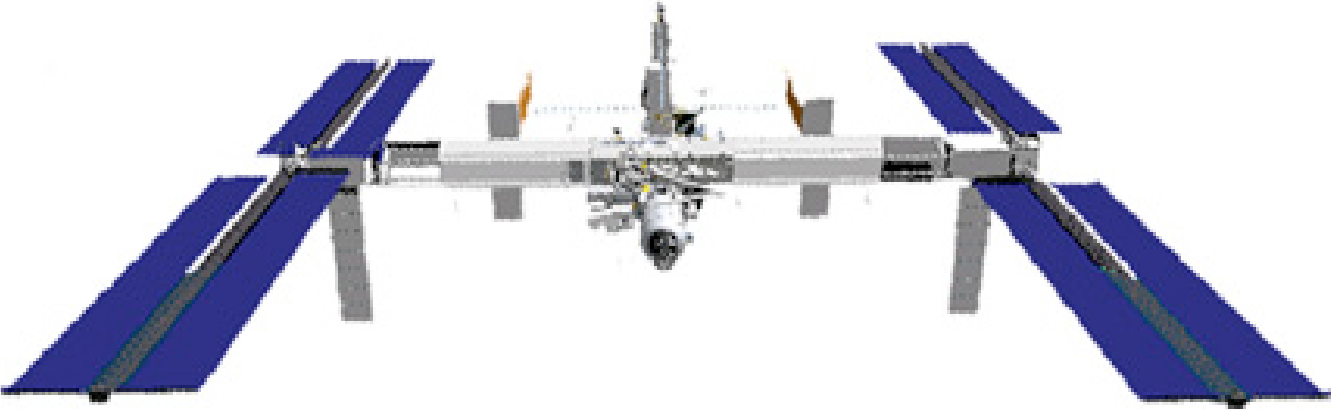
 EVA-1/3: Olivas/Reilly
 EVA-2: Forrester/Swanson

ISS-15 Up
03/09/07

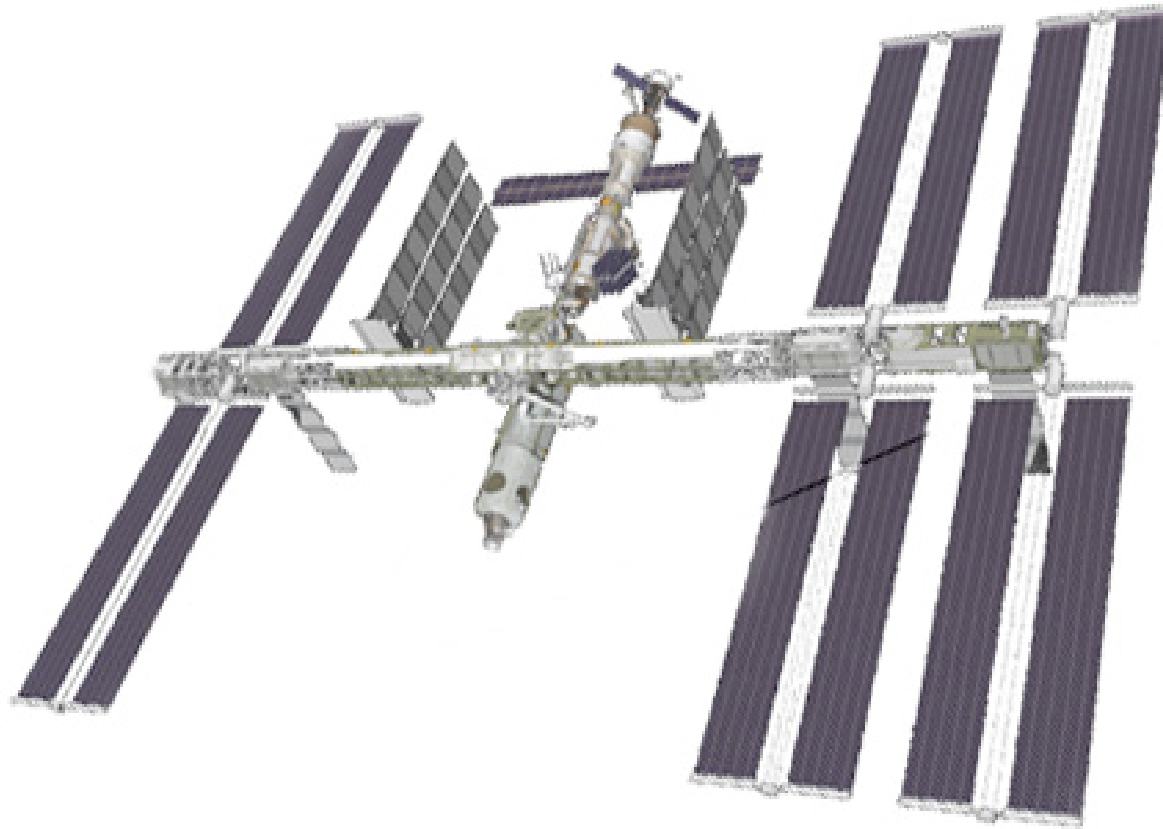
ISS-14 Dn:
03/19/06

Lopez A
Tyurin
TBD



| | | STS-118/ISS-13A.1 Elements/EVAs | |
|---|--|--|---|
| 5 | <p>Launch: STS-118 06/11/07 13A.1 Endeavour</p> | <p>CDR S. Kelly PLT Hobough MS1 Caldwell MS2/EV1 Mastracchio MS3/EV2 D. Williams MS4 Morgan MS5 TBD (up) MS5 Williams (down)</p> | <p>3rd starboard truss element (S5); External stowage platform 3 (ESP-3); power transfer system</p> <p>EVA-1: Mastracchio, Williams EVA-2: Mastracchio, Williams EVA-3: Mastracchio, TBD EVA-4: Williams, TBD</p> |
|  | | | |
| | | STS-120/ISS-10A Elements/EVAs | |
| 6 | <p>launch: STS-120 08/09/07 10A Atlantis</p> | <p>CDR Melroy PLT Zamka MS Parazynski MS Wheelock</p> | <p>Node 2 multi-hatch connecting module; Sidewall PDGF P6 relocation</p> |

MS Foreman
MS Nespoli, ESA



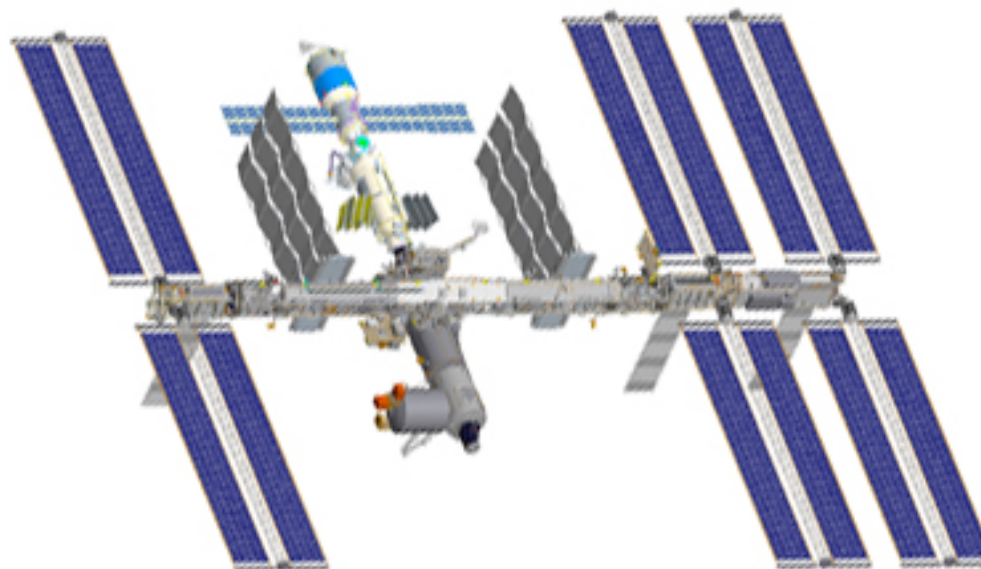
ISS-16 Up:
09/02/07

ISS-15 Dn:
09/12/07

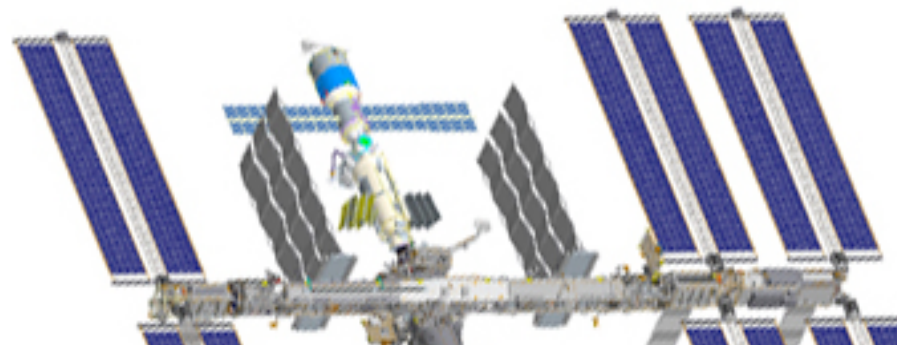
7 Launch: STS-122
09/27/07 1E
Discovery

CDR Frick
PLT Poindexter
MS Walheim
MS Love
MS Melvin
MS Schlegel, ESA

Columbus European research
module; non-deployable MPSS



| | | | |
|---|--|--|---|
| 8 | Launch: STS-123 11/29/07 1J/A Endeavour | CDR TBD PLT TBD MS Doi, JAXA (up/down) MS TBD MS TBD MS TBD | Kibo Japanese pressurized exper- iment module; SLP-D1 with DEXTRE |
|---|--|--|---|





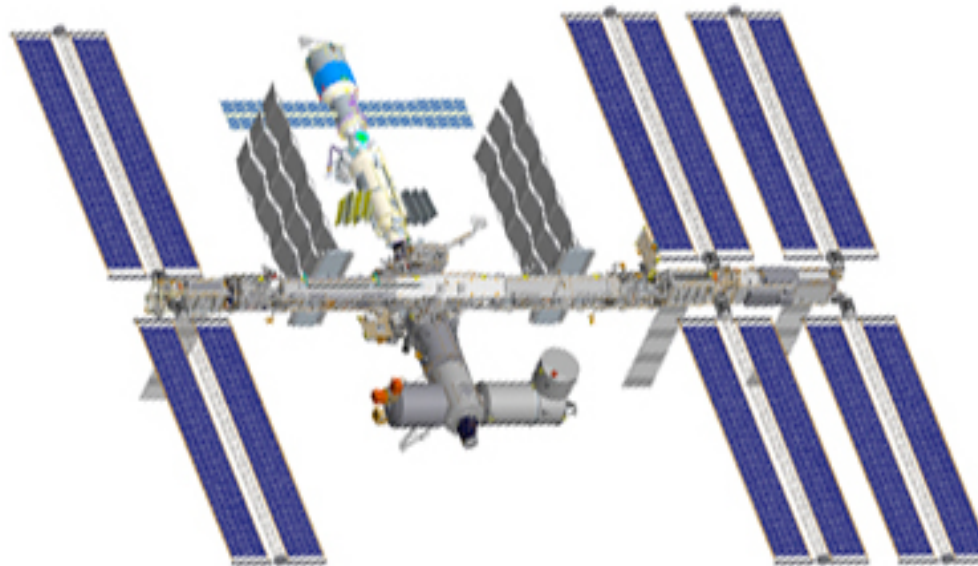
2008

9 **Launch:** STS-124 TBD
02/07/08 1J
 Atlantis

Kibo research module; Japanese remote manipulator system

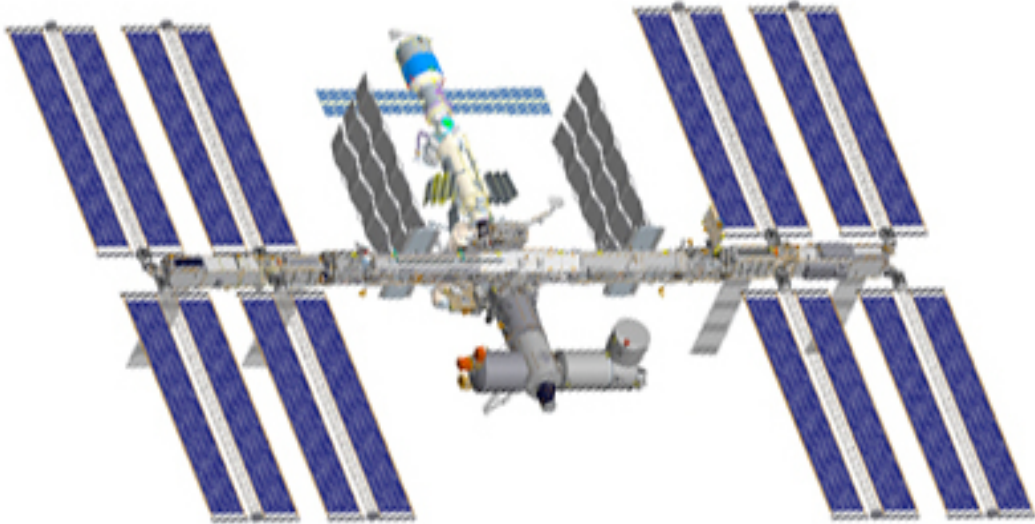
ISS-17 Up:
March 08

ISS-16 Dn:
March 08

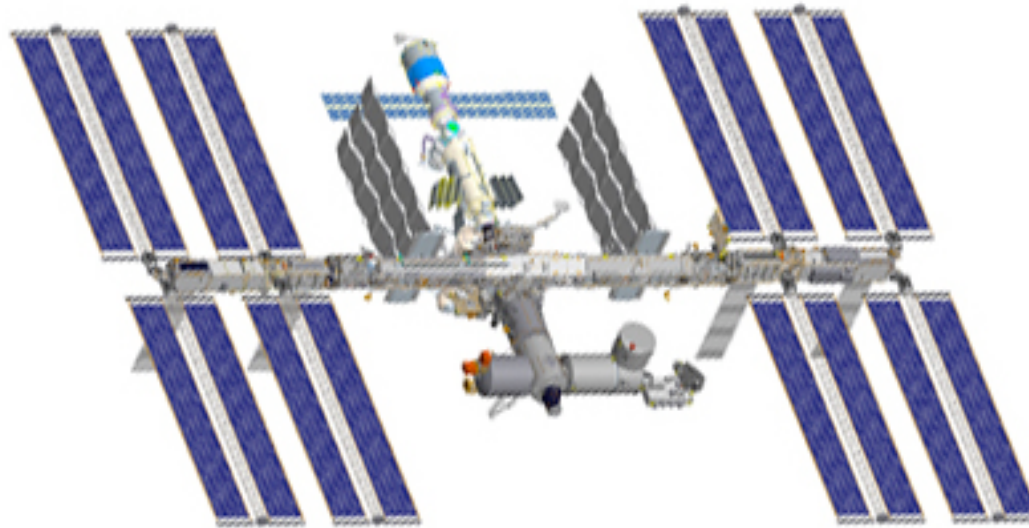


10 **Launch:** STS-119 CDR TBD

4th starboard truss segment (S6);

| | | | | | |
|--|-----------|-----------------------------------|---|-----|---|
| | | | | | |
| <p>06/19/08 15A PLT TBD 4th set of solar arrays and batteries Endeavour MS MS Gernhardt MS TBD MS TBD MS TBD</p> | | | | | |
|  | | | | | |
| | 11 | Launch: TBD | STS-125 | TBD | Hubble Space Telescope servicing mission (if approved) |
| ISS-18 Up: Sept. 08 | 12 | Launch: 08/21/08 | STS-126 ULF 2 Atlantis | TBD | MPLM resupply; last flight of Atlantis |
| ISS-17 Dn: Sept. 08 | 13 | Launch: 10/30/08 | STS-127 2J/A | TBD | Kibo exposed experiment facility; Japanese logistics module; SLP-D2 |


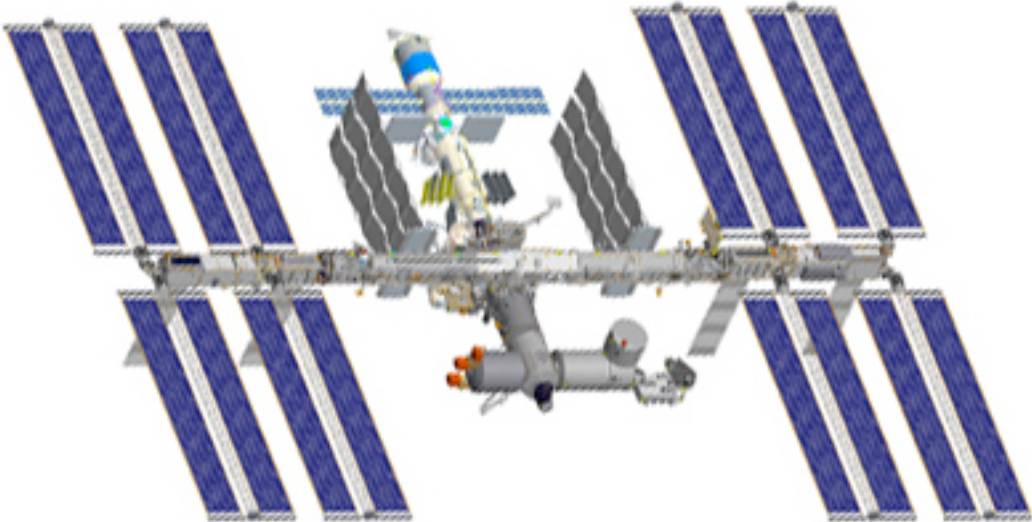
Discovery

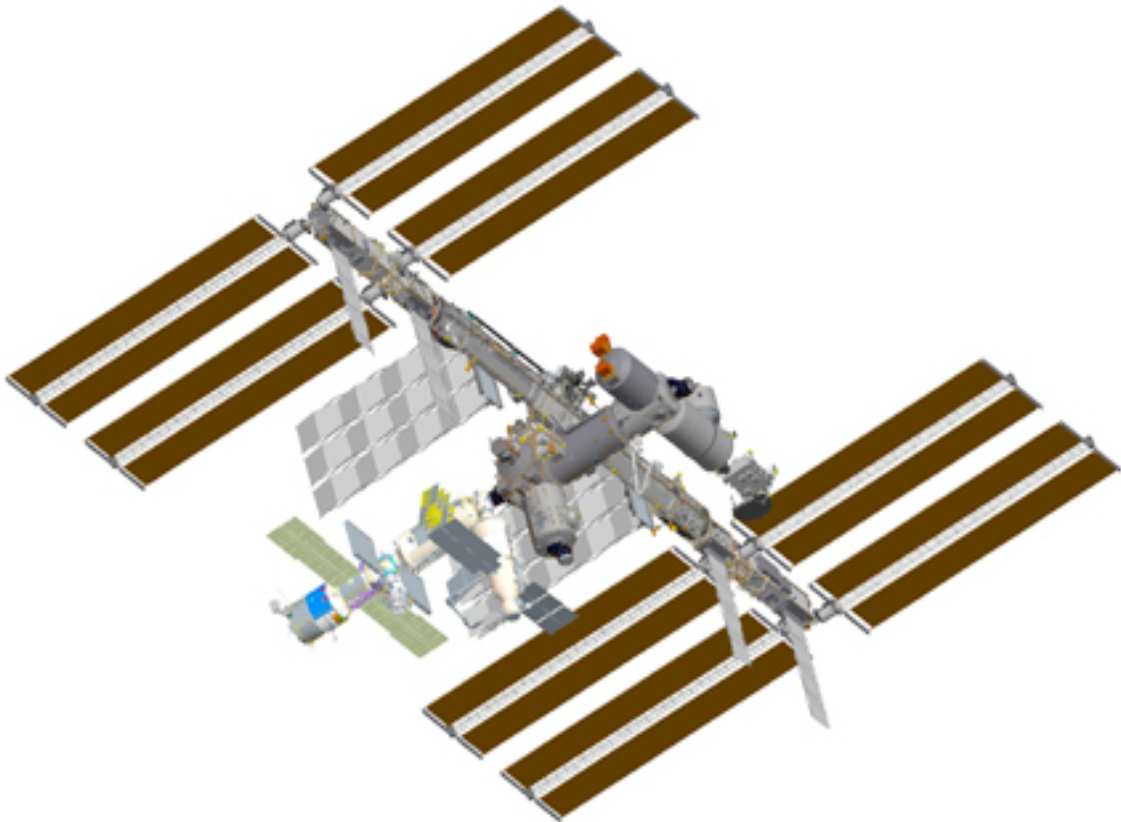


2009

| | | | | |
|---|-----------|-----------------------------------|--|---|
| | | | | |
| | 14 | Launch: 01/22/09 | STS-128 17A Endeavour | TBD |
| ISS-19 Up: March 09 | | | | MPLM, 3 crew quarters, galley, treadmill, crew health system; 6 person capability established |
| ISS-18 Dn: March 09 | 15 | Launch: 04/30/09 | STS-129 ULF 3 Discovery | TBD |
| NOTE: Soyuz dates TBD with 6 | | | | EXPRESS logistics carriers (2); Last flight of Discovery |



| | | | | |
|----------------------------------|--|---------------------------------------|------------|--|
| <p>person crew</p> |  | | | |
| <p>Soyuz Up: Sept. 09</p> | <p>16 Launch: 07/16/09</p> | <p>STS-130 19A Endeavour</p> | <p>TBD</p> | <p>MPLM, LMC</p> |
| <p>Soyuz Dn: Sept. 09</p> | <p>17 Launch: 10/22/09</p> | <p>STS-131 ULF 4 Discovery</p> | <p>TBD</p> | <p>EXPRESS logistics carrier (2) (CONTINGENCY FLIGHT)</p>  |

| 2010 | | | |
|---|---|--|---|
| 18 | Launch: 01/21/10 Endeavour | STS-132 20A Endeavour | TBD Node 3, cupola Last flight of Endeavour |
|  | | | |
| 19 | Launch: 07/15/10 Endeavour | STS-133 ULF 5 Endeavour | TBD EXPRESS logistics carrier (2) (CONTINGENCY FLIGHT) |

Soyuz Up:
March 10

Soyuz Dn:
March 10

| | |
|---------------------|-----------------------------|
| As of: 8/4/06 14:04 | Compiled by William Harwood |
|---------------------|-----------------------------|