

| ISS Assembly Sequence [rev. 01/01] |       |     |     |          |             | SpaceCalc                                            |
|------------------------------------|-------|-----|-----|----------|-------------|------------------------------------------------------|
| FLT                                | ISS   | STS | VEH | Launch   | MET/Count   | ISS Mission Payload or Objective                     |
| 01-CIS                             | 1A/R  |     |     | 11/20/98 | 802.4 days  | Zarya (Functional Cargo Block - FGB)                 |
| 02-US                              | 2A    | 88  | 105 | 12/04/98 | 788.3 days  | U.S. Unity module                                    |
| 03-US                              | 2A.1  | 96  | 103 | 05/27/99 | 614.2 days  | Space station outfitting                             |
| 04-US                              | 2A.2a | 101 | 104 | 05/19/00 | 256.3 days  | Zarya battery replacement/refurbishment; outfitting  |
| 05-CIS                             | 1R    |     |     | 07/12/00 | 202.5 days  | Zvezda command module                                |
| 06-CIS                             | 1PM1  |     |     | 08/06/00 | 176.9 days  | Progress supply flight                               |
| 07-US                              | 2A.2b | 106 | 104 | 09/08/00 | 144.2 days  | Station outfitting                                   |
| 08-US                              | 3A    | 92  | 103 | 10/11/00 | 110.7 days  | Z1 truss; PMA-3; Ku-band, S-band communications gear |
| 09-CIS                             | 2R1S  |     |     | 10/31/00 | 091.4 days  | Expedition One crew: Shepherd, Gidzenko, Krikalev    |
| 10-CIS                             | 2PM1  |     |     | 11/16/00 | 075.6 days  | Progress supply flight                               |
| 11-US                              | 4A    | 97  | 105 | 11/30/00 | 060.8 days  | P6 solar arrays, radiators                           |
| US                                 | 5A    | 98  | 104 | 02/07/01 | -007.6 days | US Destiny laboratory module                         |
| CIS                                | 3P    |     |     | 02/20/01 | -020.3 days | Progress M                                           |
| US                                 | 5A.1  | 102 | 103 | 03/08/01 | -036.3 days | Lab outfitting; ISS-2 crew up; ISS-1 crew down       |
| CIS                                | 4P    |     |     | 04/12/01 | -071.3 days | Progress M1                                          |
| US                                 | 6A    | 100 | 105 | 04/19/01 | -078.3 days | Rafaello MPLM; UHF; Station robot arm (RMS)          |
| CIS                                | 2S    |     |     | 04/30/01 | -089.3 days | Soyuz TM taxi flight                                 |
| CIS                                | 4R    |     |     | 06/01/01 | -121.3 days | Docking Compartment 1 (DC1); Strela 2                |
| US                                 | 7A    | 104 | 104 | 06/08/01 | -128.3 days | Joint airlock; high pressure gas assembly            |
| CIS                                | 5P    |     |     | 07/04/01 | -154.3 days | Progress M                                           |
| US                                 | 7A.1  | 105 | 103 | 07/12/01 | -162.3 days | Donatello MPLM                                       |
| CIS                                | 6P    |     |     | 09/06/01 | -218.3 days | Progress M1                                          |
| US                                 | UF-1  | 108 | 105 | 10/04/01 | -246.3 days | MPLM; solar array batteries; spare pallet            |
| CIS                                | 3S    |     |     | 10/21/01 | -263.3 days | Soyuz TMA                                            |

|     |       |     |     |          |             |                                                    |
|-----|-------|-----|-----|----------|-------------|----------------------------------------------------|
| CIS | 7P    |     |     | 11/17/01 | -290.3 days | Progress M1                                        |
| US  | 8A    | 110 | 104 | 01/17/02 | -351.3 days | Central truss (S0); mobile transporter             |
| CIS | 8P    |     |     | 02/02/02 | -367.3 days | Progress M                                         |
| US  | UF-2  | 111 | 105 | 02/21/02 | -386.3 days | MPLM; mobile base system                           |
| CIS | 9P    |     |     | 03/27/02 | -420.3 days | Progress M1                                        |
| CIS | 4S    |     |     | 04/10/02 | -434.3 days | Soyuz TM                                           |
| CIS | 10P   |     |     | 05/18/02 | -472.3 days | Progress M1                                        |
| US  | 9A    | 113 | 104 | 05/31/02 | -485.3 days | Right-side truss (S1); CETA cart A                 |
| US  | ULF-1 | 114 | 105 | 06/27/02 | -512.3 days | Utilization and logistics flight                   |
| CIS | 11P   |     |     | 07/20/02 | -535.3 days | Progress M                                         |
| CIS | 12P   |     |     | 09/12/02 | -589.3 days | Progress M1                                        |
| CIS | 5S    |     |     | 09/22/02 | -599.3 days | Soyuz TMA                                          |
| US  | 11A   | TBD | TBD | 10/03/02 | -610.3 days | Left-side truss (P1); CETA cart B                  |
| US  | 9A.1  | TBD | TBD | 10/31/02 | -638.3 days | Russian science power platform; 4 solar arrays     |
| CIS | 13P   |     |     | 11/19/02 | -657.3 days | Progress M1                                        |
| US  | 12A   | TBD | TBD | 12/02/02 | -670.3 days | 2nd left-side truss (P3/P4); solar arrays          |
| US  | 12A.1 | TBD | TBD | 02/??/03 | TBD         | 3rd left-side truss (P5); supplies                 |
| CIS | 6S    |     |     | 04/??/03 | TBD         | Soyuz TMA                                          |
| US  | 13A   | TBD | TBD | 04/??/03 | TBD         | 2nd right-side truss (S3/S4); solar arrays         |
| US  | 13A.1 | TBD | TBD | 06/??/03 | TBD         | Logistics and supplies                             |
| CIS | 3R    |     | TBD | 08/??/03 | TBD         | Universal docking module (UDM)                     |
| CIS | 5R    |     | TBD | 08/??/03 | TBD         | Docking compartment-2 (DC-2)                       |
| US  | UF-4  | TBD | TBD | 10/??/03 | TBD         | Express pallet; Canada "hand" dextrous manipulator |
| CIS | 7S    |     |     | 10/??/03 | TBD         | Soyuz TMA                                          |
| US  | 10A   | TBD | TBD | 11/??/03 | TBD         | U.S. Node 2                                        |
| US  | 1J/A  | TBD | TBD | 02/??/04 | TBD         | Japanese logistics module; SPP arrays              |
| ESA | ATV   |     |     | 04/??/04 | TBD         | Automated transfer vehicle                         |
| CIS | 8S    |     |     | 04/??/04 | TBD         | Soyuz TMA                                          |
| US  | 1J    | TBD | TBD | 05/??/04 | TBD         | Kibo Japanese research module; JEM robot arm       |
| US  | 10A.1 | TBD | TBD | 06/??/04 | TBD         | U.S. propulsion module                             |

|                     |      |     |     |          |     |                                              |
|---------------------|------|-----|-----|----------|-----|----------------------------------------------|
| US                  | UF-3 | TBD | TBD | 09/?//04 | TBD | MPLM; Express pallet                         |
| US                  | 1E   | TBD | TBD | 10/??/04 | TBD | European Columbus module                     |
| CIS                 | 9S   |     |     | 10/??/04 | TBD | Soyuz TMA                                    |
| US                  | 2J/A | TBD | TBD | 01/??/05 | TBD | JEM platform; cupola; solar array batteries  |
| JAPAN               | HTV  |     |     | 02/??/05 | TBD | H2 transfer vehicle demonstration flight     |
| US                  | UF-5 | TBD | TBD | 02/??/05 | TBD | MPLM; Express pallet                         |
| CIS                 | 9R   |     | TBD | 03/??/05 | TBD | Docking and stowage module                   |
| CIS                 | 10S  |     |     | 05/??/05 | TBD | Soyuz TMA                                    |
| US                  | 14A  | TBD | TBD | 05/?//05 | TBD | SPP solar arrays; Zvezda meteoroid shielding |
| US                  | UF-6 | TBD | TBD | 06/??/00 | TBD | MPLM; batteries                              |
| US                  | 20A  | TBD | TBD | 07/??/05 | TBD | U.S. Node 3                                  |
| CIS                 | 8R   |     | TBD | 08/?//05 | TBD | Research module 1                            |
| US                  | 16A  | TBD | TBD | 09/??/05 | TBD | U.S. habitation module                       |
| US                  | 17A  | TBD | TBD | 10/??/05 | TBD | MPLM; Destiny experiment racks               |
| CIS                 | 11S  |     |     | 11/??/05 | TBD | Soyuz TMA                                    |
| US                  | 18A  | TBD | TBD | 12/??/05 | TBD | U.S. Emergency crew return vehicle (CRV)     |
| US                  | 19A  | TBD | TBD | 01/??/06 | TBD | MPLM                                         |
| US                  | 15A  | TBD | TBD | 03/??/06 | TBD | S6 solar arrays and batteries                |
| CIS                 | 10R  |     | TBD | 03/??/06 | TBD | Research module 2                            |
| US                  | UF-7 | TBD | TBD | 04/??/06 | TBD | U.S. centrifuge module                       |
| Updated: 01/30/2001 |      |     |     |          |     | Compiled by William Harwood                  |