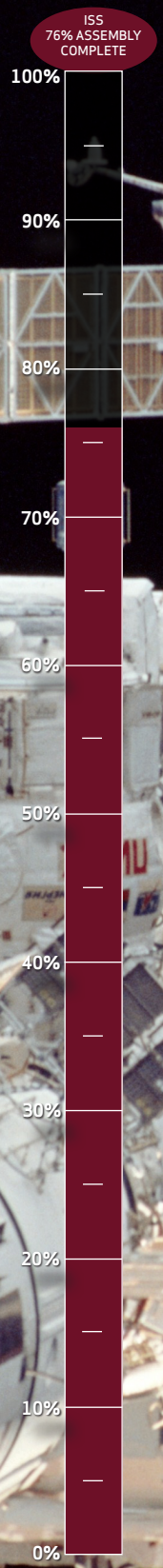
On-Orbit Elements



Current ISS On-Orbit Elements

MODULE	LENGTH	MASS	LAUNCHED	LAUNCH VEHICLE
FGB (Zarya)	12.8 m (42 ft)	25,000 kg (55,000 lb)	11/20/98	Proton
Node 1 (Unity)/PMA 1 & 2	10.4 m (34 ft)	14,900 kg (33,000 lb)	12/04/98	STS-88
Service Module (Zvezda)	13.1 m (43 ft)	24,600 kg (54,200 lb)	7/12/00	Proton
Z1 Truss/PMA 3	4.6 m (15 ft)	8,755 kg (19,227 lb)/ 1,168 kg (2,575 lb)	10/11/00	STS-92
P6 Truss	18.3 m (60 ft) 73.2 m (240 ft) across extended solar array	14,550 kg (32,100 lb)	11/30/00	STS-97
U.S. Lab (Destiny)	8.5 m (28 ft)	24,100 kg (53,100 lb)	02/07/01	STS-98
SSRMS (Canadarm 2)	17.7 m (58 ft)	1,502 kg (3,311 lb)	04/19/01	STS-100
U.S. Airlock (Quest)	4.6 m (15 ft)	9,920 kg (21,900 lb)	07/12/01	STS-104
Docking Compartment/ Airlock (Pirs)	4.9 m (16 ft)	3,838 kg (8,461 lb)	09/15/01	Soyuz
S0 Truss/Mobile Transporter	13.4 m (44 ft)	12,100 kg (26,700 lb)	04/08/02	STS-110
Mobile Base System	5.8 m (19 ft)	1,450 kg (3,200 lb)	06/05/02	STS-111
S1 Truss	13.7 m (45 ft)	12,300 kg (27,100 lb)	10/07/02	STS-112
P1 Truss	13.7 m (45 ft)	12,300 kg (27,100 lb)	11/23/02	STS-113
P3/4 Truss	13.8 m (45.3 ft)	16,183 kg (35,678 lb)	06/08/07	STS-115
P5 Truss	3.37 m (11 ft)	1,864 kg (4,110 lb)	12/09/06	STS-116
S3/S4 Truss	13.6 m (44 ft 10 in)	16,183 kg (35,678 lb)	06/08/07	STS-117
S5 Truss	3.37 m (11 ft)	1,833 kg (4,040 lb)	08/08/07	STS-118
Node 2 (Harmony)	6.7 m (22 ft)	14,288 kg (31,500 lb)	10/23/07	STS-120
European Laboratory (Columbus)	6.9 m (23 ft)	12,775 kg (28,164 lb)	2/7/08	STS-122
JEM ELM-PS (Kibo)	4.2 m (13.8 ft)	8,387 kg (18,490 lb)	3/11/08	STS-123
Special Purpose Dextrous Manipulator (Dextre)	3.7 m (12 ft)	1,560 kg (3,440 lb)	3/11/08	STS-123
Soyuz (typical)	7 m (22.9 ft)	7,167 kg (15,800 lb)	N/A	Soyuz
JEM Pressurized Module (Kibo)	11.2 m (36.7 ft)	15,900 kg (35,050 lb)	05/31/08	STS-124

Current and Future Totals

	LENGTH	WIDTH	VOLUME	MASS
October, 2008	73 m (240 ft)	93 m (306 ft)	750 m^3 (26,500 ft^3)	277,267 kg (611,269 lb)
Assembly Complete	73 m (240 ft)	108.5 m (356 ft) arrays extended	935 m^3 (33,023 ft^3)	287,250 kg (655,277 lb) 457 t (420 tons)