

STS-114/ISS-LF1 Quick-Look Data

SpaceCalc

Position/Age Astronaut/Flights Family/TIS DOB/Seat

Commander	Air Force Col. Eileen Collins	M/2	11/19/56
Age:	48 3 Flights: STS-63,84,93	30.1 *	Up/Up
Pilot	Air Force Lt. Col. James Kelly	M/4	05/14/64
	41 1: STS-102	20.5	Up/Up
MS1/EV1	Soichi Noguchi (NASDA)**	M/3	04/15/65
	40 0: Rookie	7.7	Up/Dn (L)
MS2/FE/EV2	Stephen Robinson, Ph.D.	S/0	10/26/55
	49 2: STS-85,95	28.4	Up/Up
MS3/IV	Andrew Thomas, Ph.D.	S/0	12/18/51
	53 3: STS-77,89/Mir7/91,102	170.7	Dn (L)/Up
MS4/LM	Navy Capt. Wendy Lawrence	S/0	07/02/59
	46 3: STS-67,86,91	45.0	Dn/Dn (C)
MS5/LM	Charles Camarda, Ph.D.	M/4	05/08/52
	53 0: Rookie	7.7	Dn/Dn (R)
ISS-11 CDR	Sergei Krikalev (CIS)	M/1	08/27/58
	46 TM-7,12,STS-60,88,ISS-1,11	733.2	N/A
ISS-11 FE	John Phillips, Ph.D.	M/2	04/15/51
	54 1: STS-100	122.2	N/A

Shuttle Hardware and Flight Data

STS Mission	STS-114 (flight 114)
Orbiter	Discovery (flight 31)
Payload	MPLM, ESP, CMG, logistics
Launch	10:39:00 AM 07.26.05
Pad/MLP	39B/MLP-1
Prime TAL	Zaragoza
Landing	04:46:20 AM 08.08.05
Landing Site	Kennedy Space Center
Duration	12/18/07
Discovery	241/23:19:54
STS Program	1031/12:36:12
MECO	140 statute miles
OMS Ha/Hp	141.9 X 97.7 sm
ISS Ha/Hp	222.6 X 215 sm
Period	91.6 minutes
Inclination	51.6 degrees
Velocity	17,188 mph
EOM Miles	4.8 million
EOM Orbits	186 (land on 187)

Robinson Kelly Thomas Lawrence Camarda Collins Noguchi



SSME-FLTs	2057-0;2054-5;2056-3
ET/SRB	121/BI-125/RSRM-92
Software	OI-30
Left OMS	LP01/34
Right OMS	RP03/32
Forward RCS	FRC3/31
Airlock	Internal
RMS	303
Cryo/GN2	5 Cryo/6 GN2
Spacesuits	2 STS/2 ISS

Flight Plan MET Flight Control Personnel

Launch	7/26/05 10:39 AM	LeRoy Cain Ascent/Entry
		Paul Hill Orbit 1 FD (lead)
ISS Docking	7/28/05 07:18 AM	Tony Ceccacci Orbit 2 FD
		Cathy Koerner Planning
EVA-1	7/30/05 04:34 AM	Phil Engelauf MOD representative
		Wayne Hale MMT chair
EVA-2	8/1/05 04:04 AM	Bryan Lunney ISS Orbit 1 FD
		Mark Ferring ISS Orbit 2 FD (lead)
EVA-3	8/3/05 04:04 AM	Joel Montalbano ISS Orbit 3 FD
		Mike Leinbach Launch director
Landing	8/8/05 04:46 AM	Jeff Spaulding NASA test director
		George Diller KSC commentator
		James Hartsfield JSC commentator

This will be the...

114th	Shuttle mission since STS-1
1st	Post-Columbia mission
89th	Post-Challenger mission
31st	Flight of Discovery
86th	Day launch
38th	Day launch pad 39B
50th	Launch off pad 39B
27th	51.6-degree inclination
62nd	Planned KSC landing
93rd	Planned day Landing
48th	Planned day landing at KSC
19.50	Years since STS-51L
2.48	Years since STS-107

* Ages as of launch date

*Days in space as of: 8/3/05

Compiled by William Harwood