



This manifest is based upon Prel. Manifest Option 04A-44

Flight Assignment Working Group (FAWG) Planning Manifest

MT/Manifest & Flight Integration Prepared by: USA/Barton K. Gibson Chart Dated: 10-September-04

CY2004				CY2005				CY2006				CY2007			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FY2005				FY2006				FY2007							

103 Discovery

114 (LF1)
NET 3/6
(12)

301 (LON)
NET 7/1

(31) (OI-30)

SPDU
ESP2 (w/ORUs)
(incl. MBSU)

MPLM2(P)

LMC (CMG, DTO)

B

190 nmi

116 (12A.1) 4
12/1

S/Hab-SM

P5

ICC (w/ORUs)

37,486 lbs
1,000 lbs
190 nmi

118 (13A.1) 6
5/4

S/Hab-SM

S5

ICC (w/ORUs)

[EAS Rtn]

37,790 lbs
1,337 lbs
190 nmi

120 (10A) 8
9/28

* PDGF

SPDU

Node2
(DDCU racks ZSRs)

37,139 lbs
501 lbs
200 nmi

123 (1E) 10
3/1

CBC-Lite
ECSP

Columbus Module

37,978 lbs
1,000 lbs
190 nmi

125 (1J/A) 12
7/26

SLP-SPDM
ECSP

**JEM-PS
ELM-PS**

35,996 lbs
1,151 lbs
200 nmi

104 Atlantis

121 (ULF1.1)
NET 5/5
(11+1)

(27)

MEPSI
SPDU

ICC (w/ORUs)

MPLM1(P)

LMC (DTO)

B

190 nmi

115 (12A)
NET 9/29
(11+1)

(28)

P3/P4

B

190 nmi

22 month OMM (under review)

300 (LON)
NET 5/5

117 (13A) 5
2/9

S3/S4
(w/PVR)

40,749 lbs
-688 lbs
185 nmi

119 (15A) 7
7/8

S6

[move P6]

37,397 lbs
958 lbs
190 nmi

122 (ULF2) 9
11/30

MPLM1(P)

LMC (w/NTA)

36,909 lbs
1,000 lbs
200 nmi

124 (UF3) 11
5/3

MPLM3(A)

LMC (w/NTA)

TBD lbs
TBD lbs
TBD nmi

105 Endeavour

OMM

Flight Rate:

FY-3/CY-4

FY-5/CY-5

FY-5/CY-5

9	12	7	3	8	3	17	28	15	30	10	29	7	24										
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep

- Dark Launch or dark ET separation
- Launch Beta Angle Cutouts being above +/- 50 deg. (for 190nmi Orbit) during Orbiter/ISS combined operations

Crew Rescue (Empty Cargo Bay)

* Under Review
Green APM #: Flight specific vehicle & launch month
Black APM #: Generic specific vehicle & launch month

This chart represents cargo bay configurations approved by the JCAWG

FDRD Launch Date (Eastern Time) **STS# (ISS#)** Launch Date

Crew Rotation Assessed launch date

of times the OV has flown **Cargo Element(s)**

Launch Pad Rendezvous altitude (nmi)

given in the ISS Assy Seq under the no. of Shuttle flights

Not baselined in the FDRD

ISS Chargeable weight (lbs)
APM (lbs)
Rendezvous altitude (nmi)
of times this OV has flown since last OMM



This manifest is based upon
Prel. Manifest Option 04A-44

FAWG Planning Manifest (continued)

MT/Manifest & Flight Integration
Prepared by: USA/Barton K. Gibson
Chart Dated: 10-September-04



	CY2007				CY2008				CY2009				CY2010																
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4													
	FY2008								FY2009				FY2010																
103 Discovery	128 (UF4.1) 15 1/24				14 month Requalification				135 (ULF3) 22 5/14				137 (ULF5) 24 10/8				139 (9A.2) 26 3/11				141 (ULF7) 28 8/19								
	<p>ISS Sidewall Express Pallet-1 ROEU S3 attached P/L 31,254 lbs 3,591 lbs 215 nmi</p>								<p>MPLM3(A) LMC (w/ATA) TBD lbs TBD lbs TBD nmi</p>				<p>CBC-D1 ESP4 ULC-ND TBD lbs TBD lbs TBD nmi</p>				<p>CBC-D ULC-2 ULC-ND [ULC-1 rtn] TBD lbs TBD lbs TBD nmi</p>				<p>ULC-4 ULC-5 ULC-ND TBD lbs TBD lbs TBD nmi</p>								
	104 Atlantis	126 (1J) 13 9/20				129 (2J/A) 16 3/6				131 (17A) 18 7/31				133 (14A) 20 1/22				136 (ULF4) 23 7/9				138 (9A.1) 25 1/28				140 (ULF6) 27 7/9			
		<p>JEM PM (JEM RMS) 36,944 lbs 1,000 lbs 200 nmi</p>				<p>JEM EF ELM-ES CBC-D1 * [ES rtn]</p>				<p>MPLM3(A)</p>				<p>Express Pallet-2 CBC-D2 CBC-ND [CBC-D1 rtn]</p>				<p>Express Pallet-3 ESP-3 ULC-ND TBD lbs TBD lbs TBD nmi</p>				<p>Science Power Module (SPM) TBD lbs TBD lbs TBD nmi</p>				<p>ULC-2 ULC-3 ULC-ND TBD lbs TBD lbs TBD nmi</p>			
		105 Endeavour	127 (UF5) 14 12/6				130 (20A) 17 5/8				132 (UF6) 19 10/2				134 (UF7) 21 3/5														
			<p>MPLM3(A) LMC (2 EPF P/Ls) TBD lbs TBD lbs TBD nmi</p>				<p>Node3 TBD lbs TBD lbs TBD nmi</p>				<p>MPLM3(A) TBD lbs TBD lbs TBD nmi</p>				<p>CAM 35,224 lbs 639 lbs 215 nmi</p>														
			FY-5/CY-5				FY-5/CY-5				FY-5/CY-5				FY-5/CY-5				FY-5/CY-5										

* Under Review
Green APM #: Flight specific vehicle & launch month
Black APM #: Generic specific vehicle & launch month

This chart represents
cargo bay configurations
approved by the JCAWG

FDRD Launch Date (Eastern Time) Launch Date (##) Mission duration (#) # of times the OV has flown

STS# (ISS#) Cargo Bay Element(s)

Launch Pad

Rendezvous altitude (nmi)

1 - # given in the ISS Asy Seq under the no. of Shuttle flights

Not baselined in the FDRD

ISS Chargeable weight (lbs) APM (lbs) Rendezvous altitude (nmi) # of times this OV has flown since last OMDP

2