Current Vision Baseline

Scenario for PUP 1/18/01 Rev. 3

Microgravity Fluid Physics and Supporting Projects ISS Utilization Rate

Dates are based on ISS Rev. A Assembly Sequence

Assumptions for experiment accomodations: **Steady State** is 8.5 PI/year (**FIR** = 4 PI/year; **SAR** = 2 PI/year; **MSG** = 2 PI/year; **EXPRESS, DECLIC, FSL** = 0.5 PI/year)

<------- Baseline GRC/MSD ISS Utilization Traffic Model ------> | <--- Transition to ---> | <--------- Steady State ---------> | --------> ?

	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
TOTAL thru FY15							1. 91NRA-2R 17A 10/05 LMM-3 PCS-2 Weitz**	1. 98NRA-4 LF-2 10/06 LMM-5 Gast -2	1. 98NRA-1 10/15/07 Moldover	1. 02NRA-1 10/15/08	1. 02NRA-10 10/15/09	1. 04NRA-1 10/15/10	1. 04NRA-10 10/15/11	1. 06NRA-1 10/15/12	1. 06NRA-10 10/15/13	1. 08NRA-1 10/15/14	1. 08NRA-10 10/15/15
FIR 40	LMM = Light Microscopy Module **Test cells for Chaikin & Weitz will be launched together. MOMM = Microscopy & Optical Manipulation Module					FIR UF-5 2/05 1. 94NRA-1 UF-5 2/05 LMM-1 CVB Wayner 2. 91NRA-1R UF-6 6/05 LMM-2 PHaSE-2 Chaikin**	2. 96NRA-2 UF-7 4/06 LMM-4 LIFCA/ Yodh	2. 98NRA-5 LF-4 2/07 LMM-6 Clark 3. 96NRA-4 LF-5 5/07 CRWT / Putterman 4. 94NRA-7 LF-6 7/07 Rath	2. 00NRA-4 1/15/08 MOMM-1 3. 00NRA-5 4/15/08 MOMM-2 4. 00NRA-9 7/15/08 MOMM-3	2. 02NRA-3 1/15/09 3. 02NRA-4 4/15/09 4. 02NRA-5 7/15/09	2. 02NRA-12 1/15/10 3. 02NRA-13 4/15/10 4. 02NRA-14 7/15/10	2. 04NRA-3 01/15/20011 3. 04NRA-4 4/15/11 4. 04NRA-5 7/15/11	2. 04NRA-12 1/15/12 3. 04NRA-13 4/15/12 4. 04NRA-14 7/15/12	2. 06NRA-3 1/15/13 3. 06NRA-4 4/15/13 4. 06NRA-5 7/15/13	2. 06NRA-12 1/15/14 3. 06NRA-13 4/15/14 4. 06NRA-14 7/15/14	2. 08NRA-3 1/15/15 3. 08NRA-4 4/15/15 4. 08NRA-5 7/15/15	2. 08NRA-12 1/15/16 3. 08NRA-13 4/15/16 4. 08NRA-14 7/15/16
SAR 25	GFM = Granular Flow Module PBM = Pool Boiling Module					SAR UF-6 6/05 3. 94NRA-5 UF-6 6/05 GFM-1 gSEG Jenkins	3. 96NRA-3 17A 10/05 GFM-2 SiGMA / Louge 4. 98NRA-3 19A 1/06 GFM-3 GGM / Behringer 5. 94NRA-6 UF-7 4/06 SCALE Garoff 6. 94NRA-2 LF-1 7/06 MOBI / Sangani	5. 94NRA-4 LF-2 10/06 FOAM Durian 6. 94NRA-3 LF-4 2/07 PBM-1 NBX /Dhir 7. 98NRA-8 LF-5 5/07 PBM-2 Stebe 8. 98NRA-10 LF-6 7/07 PBM-3 Dhir	5. 00NRA-3 10/15/07 6. 00NRA-8 1/15/08	5. 02NRA-7 10/15/08 6. 02NRA-8 1/15/09	5. 02NRA-16 10/15/10 6. 02NRA-17 1/15/10	5. 04NRA-7 10/15/11 6. 04NRA-8 1/15/11	5. 04NRA-16 10/15/12 6. 04NRA-17 1/15/12	5. 06NRA-7 10/15/13 6. 06NRA-8 1/15/13	5. 06NRA-16 10/15/14 6. 06NRA-17 1/15/14	5. 08NRA-7 10/15/15 6. 08NRA-8 1/15/15	5. 08NRA-16 10/15/16 6. 08NRA-17 1/15/16
									TWO PI Opportunities per year Available for Other Disciplines								
MSG 23			MSG UF-2 2/02 1. CSLM-2 / Voorhees ULF-1 6/02	1. 98NRA-4 13A.1 6/03 CHAINS/Gast	1. 98NRA-7 UF-3 9/04 MABE / Kim	4. 98NRA-6 UF-5 2/05 BDiSL / Matula 5. 96NRA-1 UF-6 6/05 EGM Marshall	7. 98NRA-2 19A 1/06 SLB/Marston	9. 00NRA-1 LF-2 10/06 10. 00NRA-2 LF-5 5/07	7. 00NRA-6 10/15/07 8. 00NRA-7 4/15/08	7. 02NRA-2 10/15/08 8. 02NRA-6 4/15/09	7. 02NRA-11 10/15/09 8. 02NRA-15 4/15/10	7. 04NRA-2 10/15/10 8. 04NRA-6 4/15/11	7. 04NRA-11 10/15/11 8. 04NRA-15 4/15/12	7. 06NRA-2 10/15/12 8. 06NRA-6 4/15/13	7. 06NRA-11 10/15/13 8. 06NRA-15 4/15/14	7. 08NRA-2 10/15/14 8. 08NRA-6 4/15/15	7. 08NRA-11 10/15/15 8. 08NRA-15 4/15/16
OTHER 8		EXPRESS 1. 91NRA-2 6A 4/01 PCS/Weitz		EXPRESS 2. 91NRA-1 9A.1 10/02 PCS+ / Chaikin	DECLIC UF-3 9/04 2. 96NRA-5 MIDAS / Maxworthy		FSL 8. 98NRA-9 LF-1 7/06 Cannell			DECLIC 9. 02NRA-9 4/15/09		EXPRESS 9. 04NRA-9 4/15/11		FSL 9. 06NRA-9 4/15/13		EXPRESS 9. 08NRA-9 4/15/15	
	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16
PI-Flights / year	0	1	1	2	2	5	8	10	8	9	8	9	8	9	8	9	8

TOTAL 97

Required Selections from each NRA :

98NRA=10 | 00NRA 12/3 drop | 02NRA 20/3 drop | 04NRA 20/3 drop | 06NRA 20/3 drop | 08NRA 20/3 drop | 10NRA 20/3 drop | 12NRA 20/3 drop | 14NRA 20/3 drop

Selections from Prior NRA (for ISS only): 91NRA = 2 (+ reflight); 94NRA = 7 ; 96NRA = 6 ; 98NRA = 6 (+ 4 of 8 Ground/Flight)

GI 8

InSPACE Gast 9A 5/02	CDOT-3 Chaikin 12A.1 2/03	EDCA / Yodh	CIBS / Sangani
		MGI / Garoff	PASLB / Marston
		SiGMA / Louge	BCOEL / Herman

<---------- Planning Purposes Only *

* 10/15/06 Target Launch Date for all on FIR/SAR in FY07.