

	kg	kg
Post Probe Release Dry Mass		2122
Orbiter dry	2113	
helium	9	
Proximal Start Wet Mass (2017-113)		95.449
N2H4 (monopropellant)	36.319	from Propulsion file casbest.xls
NTO (oxidizer)	38.348	from Propulsion file cashebud.xls
MMH (fuel)	20.782	from Propulsion file cashebud.xls
Total Proximal Start Wet Mass		2217.449

Hydrazine consumption	grams	Mass (kg)
17-114/18:23 RWA bias	4.02	2217.44
17-114/19:48 OTM-470	175.89	2217.27
17-114/20:50 RWA bias	5.41	2217.26
17-115/14:30 RWA bias	28.92	2217.23
17-117/07:30 RWA bias	27.18	2217.21
17-121/13:00 RWA Ybias	8.34	2217.20
17-122/23:00 MAG Cal Roll	143.91	2217.06
17-123/16:00 RWA Ybias	5.46	2217.05
17-127/03:00 RWA bias	20.98	2217.03
17-128/11:30 RWA Ybias	12.40	2217.02
17-130/18:55 OTM-471	25.69	2216.99
17-132/12:30 RWA Ybias	9.11	2216.98
17-136/12:00 RWA Ybias	9.84	2216.97
17-139/12:00 RWA Ybias	3.63	2216.97
17-143/05:30 RWA Ybias	12.50	2216.96
17-145/12:00 RWA Ybias	9.94	2216.95
17-147/11:30 RWA Ybias	19.99	2216.93
17-150/05:00 RWA Ybias	21.26	2216.90
17-154/22:00 RWA bias	12.35	2216.89
17-156/12:00 RWA Ybias	8.97	2216.88
17-162/09:00 RWA bias	11.48	2216.87
17-167/14:00 RWA bias	31.35	2216.84
17-168/14:00 RWA bias	26.32	2216.81
17-173/09:30 RWA Ybias	5.78	2216.81
17-175/09:30 RWA Ybias	6.63	2216.80
17-180/03:00 RWA Ybias	9.29	2216.79
17-182/21:00 RWA Ybias	10.21	2216.78
17-184/19:30 RWA Ybias	8.87	2216.77
17-186/08:30 RWA Ybias	9.31	2216.76
17-189/20:30 RWA Ybias	5.98	2216.76
17-191/04:00 RWA Ybias	5.24	2216.75

17-193/17:00 RWA bias	13.99	2216.74
17-194/18:39 RWA Ybias	9.41	2216.73
17-196/14:43 OTM-472	162.42	2216.57
17-197/07:30 RWA Ybias	7.42	2216.56
17-199/15:02 RWA Ybias	9.32	2216.55
17-201/08:00 RWA Ybias	10.26	2216.54
17-204/07:30 RWA Ybias	5.02	2216.53
17-206/23:00 MAG Cal Roll	157.85	2216.38
17-208/18:00 RWA Ybias	11.55	2216.37
17-210/09:30 RWA Ybias	7.53	2216.36
17-212/07:00 RWA Ybias	25.86	2216.33
17-213/17:00 RWA bias	14.61	2216.32
17-215/02:30 RWA Ybias	21.82	2216.30
17-218/17:00 RWA Ybias	17.38	2216.28
17-220/17:00 RWA Ybias	11.02	2216.27
17-224/05:00 RWA Ybias	2.01	2216.27
17-226/07:30 Proximal #18	164.33	2216.10
17-228/06:00 RWA Ybias	9.43	2216.09
17-231/16:00 RWA Ybias	13.36	2216.08
17-232/18:00 Proximal #19	252.58	2215.83
17-233/05:00 RWA Ybias	17.70	2215.81
17-235/23:00 RWA Ybias	24.79	2215.78
17-237/18:04 RWA Ybias	19.19	2215.76
17-239/05:30 Proximal #20	169.96	2215.59
17-239/15:30 RWA Ybias	15.70	2215.58
17-244/03:30 RWA Ybias	22.07	2215.56
17-245/16:30 Proximal #21	193.95	2215.36
17-251/03:00 RWA Ybias	14.09	2215.35
17-252/03:30 Proximal #22	184.50	2215.16
17-252/15:00 RWA Ybias	16.74	2215.15
17-255/04:30 RWA bias	9.01	2215.14
17-257/22:30 RWA bias	20.08	2215.12
17-258/03:36 (0.5,0.5,2) D/B ops	7.22	2215.11
17-258/03:39 Roll Turn #1 Pre-Plunge	15.51	2215.10
17-258/08:37 (0.5,0.5,2) D/B ops	11.31	2215.08
17-258/08:44 Roll Turn #2 Pre-Plunge	16.48	2215.07
17-258/11:53 (0.5,0.5,2) D/B ops	13.94	2215.05
17-258/11:55 End of Mission	38.68	2215.01