

IBEX Maneuver Timeline v8

Date	Time UTC	Time (ET)	Dur	Actionee	Posted on SFTP	Action	OP31117_A Step	Altitude	AUS View	AK View	HAW view	APL View	Location Reqs	Comments	Needed in addition to OP31117_A
6/10/2011	1500	11:00		SYS		Expected ADV2 initial pressure, temperature, propellant mass									
	1500	11:00		SYS		Expected ADV3 initial temperature,									
	1500	11:00		SYS		Place Updates on SFTP									
	1530	11:30		MT		Send updates to Steve Green									
						AUS view begin									
6/11/2011	1730	13:30	2h	SG		Expected ADV2 & ADV3 mass flow rate & pressure curves									
	2200					HAW, AK view end									
	0250					AUS view end									
6/12/2011	1400	10:00	45m	MT		Generate thrust & delta-V as a function of new model predictions							drop dead time for this input to FDG		
6/12/2011	1500	11:00	60m			Contact AOS : HAW01, 2k	19d						First contact after null		
	1600	12:00				Contact LOS									
	1700					APL view 1700-2030									
6/13/2011	2130				AUS view begin										
6/13/2011	0130	21:30	60m			Contact AOS : AK, 160k	8d								
	0230	22:30		MOC		FC Dump									
6/13/2011	0230	22:30				Contact LOS									
6/13/2011	0330	23:30		SYS		Revised estimate : Expected ADV2 initial pressure, temperature, propellant mass									
	0330	23:30		SYS		Revised estimate : Expected ADV3 initial temperature									
	0330	23:30		SYS		Place Updates on SFTP									
	0400	0:00		MT		Send updates to Steve Green									
	0430	0:30		FDG		Preliminary Burn Plan (Internal)									
6/13/2011	0545					Perigee									
6/13/2011	0600	2:00	2h	SG		Expected ADV2 & ADV3 mass flow rate & pressure curves									
	0600	2:00		MOM		ADV2 duration & time based on prelim burn plan (not including OD)									
	0600	2:00		MOM		ADV3 duration & time based on prelim burn plan (not including OD)									
	0700	3:00	45m	MT		Generate thrust & delta-V as a function of new model predictions									
6/13/2011	1100	7:00	60m			Contact AOS : HAW01, 64k	9a								
	1200	8:00				Contact LOS									
6/13/2011	13:30	9:30	60m			Contact AOS : AUS, 40k	12a								
	14:30	10:30				Contact LOS									
6/13/2011	1620					HAW view end									
6/13/2011	1800	14:00				Dry mass + fuel mass = total mass (wet mass) assumptions going into ADV2 & 3 (parroting)									
	1800	14:00		FDG		ADV1 Performance Assessment (thrust scale factor)									
	1800	14:00		FDG		Current OD Uncertainty									
	1800	14:00		FDG		Target Orbit Period Uncertainty (Napoleon plot)									
	1800	14:00		FDG		No Additional Delta-V Burn Trajectory (immediate effects, not long term effects)									
	1800	14:00		FDG		Apogee & Perigee Times (burn & no-burn)									
	1800	14:00		FDG		Crossing Times									
	1800	14:00		FDG		Viewperiods Report (burn & no-burn)									
	1800	14:00		FDG		Duration of ADV3 Burn - based on analysis									
	1800	14:00		FDG		Final FDG Burn Plan delivery									
	2000	16:00		MOC		SAP									
	2000	16:00		MOC		ADV2 ATS on SFTP									
	2000	16:00		MOC		ADV3 ATS on SFTP									
	2000	16:00		MOC		Contact ATS on SFTP									
	6/14/2011	0100					AUS view ends								

