

Overview of MSIM2 Encke Encounter Sequence for CRISP, CFI, and slewing										
Observation	TILT	Time from CA (hrs)	Instrument	Total #Frames	Filters	#Exp	Bits Per Pix	Sum Or Window	Mbits	TOTAL Mbits
			Spectrometer ==>		Channels	Acq rate		Pix along slit		
Pointing Summary:										
Slew NGIMS corrected position	½	-6:00								
Initialize Mirror, side B, track on ephemeris		-5:25								
Periodic CFI/CRISP Observations at various tilt positions (-5hr to -1m):										
- Return to NGIMS corrected position after each observation set up to CA-15 min										
- After CA-15 min, no longer return to NGIMS boresight position										
- After CA-1hr, max tilt is 2.5 deg										
Whole Disk	6	-4:48	CS	29	256	1Hz	12	32	2.85	2.85
Nucleus	6		CI	20	10f	2	12	256x256	15.73	18.58
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	29.59
Nucleus	3		xs	14	7f	2	12	256x256	11.01	40.60
Whole Disk	6	-4:12	CS	6	256	1Hz	12	32	0.59	41.19
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	52.20
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	63.21
Whole Disk	6	-3:36	CS	6	256	1Hz	12	32	0.59	63.80
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	74.81
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	85.82
Whole Disk	6	-3:30	CS	6	256	1Hz	12	32	0.59	86.41
Coma	3	-3:00	CFI	14	7f	2	12	4x4rebin	11.01	97.42
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	108.43
Coma	3	-2:45	CFI	14	7f	2	12	4x4rebin	11.01	119.44
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	130.45
Whole Disk	6	-2:30	CS	6	256	1Hz	12	32	0.59	131.04
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	142.05
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	153.06
Coma	3	-2:15	CFI	14	7f	2	12	4x4rebin	11.01	164.07
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	175.08
Whole Disk	6	-2:00	CS	6	256	1Hz	12	32	0.59	175.67
Nucleus	6		CI	20	10f	2	12	256x256	15.73	191.40
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	202.41

Sheet1

Nucleus	3		CFI	14	7f	2	12	256x256	11.01	213.42
Coma	3	-1:45	CFI	14	7f	2	12	4x4rebin	11.01	224.43
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	235.44
Whole Disk	6	-1:30	CS	6	256	1Hz	12	32	0.59	236.03
Coma	3		CFI	14	7f	2	12	4x4rebin	11.01	247.04
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	258.05
Coma	3	-1:15	CFI	14	7f	2	12	4x4rebin	11.01	269.06
Nucleus	3		CFI	14	7f	2	12	256x256	11.01	280.07
Whole Disk	6	-1:00	CS	6	256	1Hz	12	32	0.59	280.66
Nucleus	6		CI	20	10f	2	12	full	251.66	532.32
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	543.33
Nucleus	2.5		CFI	14	7f	2	12	256x256	11.01	554.34
Nucleus	2.5	-0:45	CI	20	10f	2	12	256x256	15.73	570.06
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	581.07
Nucleus	2.5		CFI	14	7f	2	12	256x256	11.01	592.08
Coma	2.5	-0:30	CFI	14	7f	2	12	4x4rebin	11.01	603.10
Nucleus	2.5		CFI	14	7f	2	12	256x256	11.01	614.11
Nucleus	2.5	-0:20	CI	20	10f	2	12	full	251.66	865.76
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	876.77
Nucleus	2.5		CFI	14	7f	2	12	512x512	44.04	920.81
Nucleus	2.5	-0:15	CI	20	10f	2	12	full	251.66	1172.47
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	1183.48
Nucleus	2.5		CFI	14	7f	2	12	512x512	44.04	1227.52
Nucleus	2.5	-0:12	CI	20	10f	2	12	full	251.66	1479.18
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	1490.19
Nucleus	2.5		CFI	14	7f	2	12	full	176.16	1666.35
Coma	2.5	-0:09	CFI	14	7f	2	12	4x4rebin	11.01	1677.36
Nucleus	2.5		CFI	14	7f	2	12	full	176.16	1853.52
**Reinitialize ephem tracking		-0:07								1853.52
Nucleus	2.5	-0:06	CI	20	10f	2	12	full	251.66	2105.18
Coma	2.5		CFI	14	7f	2	12	4x4rebin	11.01	2116.19
Slew to ½ deg tilt, flip to side A, closed loop		-158s								2116.19
Nucleus	½	-185s to -90s	CFI	42	7f	2	12	full	528.48	2644.67
Nucleus - BEST CFI		-90s to -82s	CFI	8	1f	1	12	full	100.66	2745.34
Nucleus (every other second)		-76s	CI	4	1f	1	12	full	50.33	2795.67
Nucleus - 'Inbound' macro		-48s to -6s	CS	210	256	5hz	12	256	165.15	2960.82
Nucleus - 'Inbound' macro		-48s to -6s	CI	42	10f	1	8	full	352.32	3313.14

Sheet1

Nucleus - 'postenc' macro		+6 to +58	CS	2	256	1Hz	12	256	0.20	3313.34
Nucleus - 'postenc' macro		+6 to +24s	CI	16	1f	1	8	128x128	2.10	3315.43
Nucleus - 'postenc' macro		+30s to +60s	CI	5	1f	2	8	128x128	0.66	3316.09
Nucleus - 'postenc' macro		+1.5m to +4r	CI	4	1f	2	8	128x128	0.52	3316.61
Nucleus - 'postenc' macro		+5m to +30n	CI	5	1f	2	12	128x128	0.98	3317.60
Slew to NGIMS corrected position		+20s								
** In actual Encke sequence, will go closed loop tracking here										