

EPOXI Lunar Calibration: 29 Dec 2007 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
To Dark	1000000 to 1000004	0	Acquire IR dark frames.
To Moon		301.00	Slew to point 110 mrad on anti-Sun side of Moon centered on photometric equator upon completion of IR dark frames. Allow 20 min to settle and for ACS filters to converge.
IR Moon Flat Field	1000005	3301.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000005 commanded data taken during the scan.
IR Moon Flat Field		3373.00	Reposition to 110 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000003	3704.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000006 commanded data taken during the scan.
IR Moon Flat Field		3776.00	Reposition to 110 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000007	4107.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000007 commanded data taken during the scan.
IR Moon Flat Field		4179.00	Reposition to 17 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000008	4420.00	Slew to accelerate to 1200 urad/s rate scanning toward the Sun. Allow 20 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 1200 urad/s scan rate from this point for 20 seconds ending ~19 mrad on the Sun side of the Moon. HRII Exp ID 1000008 commanded data taken during the scan.
IR Moon Flat Field		4460.00	Reposition to 17 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000009	4541.00	Slew to accelerate to 1200 urad/s rate scanning toward the Sun. Allow 20 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 1200 urad/s scan rate from this point for 20 seconds ending ~19 mrad on the Sun side of the Moon. HRII Exp ID 1000009 commanded data taken during the scan.
IR Moon Flat Field		4581.00	Reposition to 17 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000010	4662.00	Slew to accelerate to 1200 urad/s rate scanning toward the Sun. Allow 20 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 1200 urad/s scan rate from this point for 20 seconds ending ~19 mrad on the Sun side of the Moon. HRII Exp ID 1000010 commanded data taken during the scan.
IR Moon Flat Field		4702.00	Reposition to 7 mrad on anti-Sun side of the Moon in preparation for the next IR scan

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Comments	HRII Exp ID	Sequence Time (sec)	Description
IR Moon Flat Field	1000011	4822.00	Slew to accelerate to 450 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 450 urad/s scan rate from this point for 40 seconds ending ~18 mrad on the Sun side of the Moon. HRII Exp ID 1000011 commanded data taken during the scan.
IR Moon Flat Field		4872.00	Reposition to 7 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000012	4952.00	Slew to accelerate to 450 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 450 urad/s scan rate from this point for 40 seconds ending ~18 mrad on the Sun side of the Moon. HRII Exp ID 1000012 commanded data taken during the scan.
IR Moon Flat Field		5002.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000013	5052.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000013 commanded data taken during the scan.
IR Moon Flat Field		5102.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000014	5152.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000014 commanded data taken during the scan.
IR Moon Flat Field		5202.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000015	5252.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000015 commanded data taken during the scan.
IR Moon Flat Field		5302.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000016	5352.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000016 commanded data taken during the scan.
IR Moon Flat Field		5402.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan
IR Moon Flat Field	1000017	5452.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000017 commanded data taken during the scan.
IR Moon Flat Field		5502.00	Reposition to 6.75 mrad on anti-Sun side of the Moon in preparation for the next IR scan

EPOXI Lunar Calibration: 29 Dec 2007 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR Moon Flat Field	1000018	5552.00	Slew to accelerate to 350 urad/s rate scanning toward the Sun. Allow 10 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 350 urad/s scan rate from this point for 40 seconds ending ~14 mrad on the Sun side of the Moon. HRII Exp ID 1000018 commanded data taken during the scan.
IR Moon E/W AS Filter		5602.00	Reposition with boresight at center of Moon, lit limb about 175 binned IR pixels sunward of boresight.
IR Moon E/W AS Filter	1001000	6133.00	Scan toward the Sun at 1.25 urad/s (1 binned pixel per 8s IR integration time) for 1410s (175 IR frame times) ending 175 binned IR pixels over so that lit limb is now on the boresight. HRII Exp ID 1001000 commanded data taken during the scan.
IR Moon E/W AS Filter		7553.00	Reposition with boresight at lit limb of Moon.
IR Moon E/W AS Filter	1002000	7584.00	Scan toward the Sun at 1.25 urad/s (1 binned pixel per 8s IR integration time) for 1410s (175 IR frame times) ending 175 binned IR pixels over so that lit limb is now 175 binned IR pixels on the other side of the boresight. HRII Exp ID 1002000 commanded data taken during the scan.
IR Moon E/W AS Filter		9004.00	Reposition with boresight at center of Moon, lit limb about 175 binned IR pixels sunward of boresight.
IR Moon E/W AS Filter	1003000	9035.00	Scan toward the Sun at 3.4722 urad/s (1 binned pixel per 2.88s IR frame time) for 520s (175 IR frame times) ending 175 binned IR pixels over so that lit limb is now on the boresight. HRII Exp ID 1003000 commanded data taken during the scan.
IR Moon E/W AS Filter		9565.00	Reposition with boresight at lit limb of Moon.
IR Moon E/W AS Filter	1004000	9596.00	Scan toward the Sun at 3.4722 urad/s (1 binned pixel per 2.88s IR frame time) for 520s (175 IR frame times) ending 175 binned IR pixels over so that lit limb is now 175 binned IR pixels on the other side of the boresight. HRII Exp ID 1004000 commanded data taken during the scan.
IR Moon radiometry	1005000	10126.00	Position boresight 32 IR binned pixels "above" and centered E/W on the center of the lit crescent; scan "down" at 13.7931 urad/s (1 slit per 0.725s frame time) for 48s to end 32 IR binned pixels below the center of the lit crescent. HRII Exp ID 1005000 commanded data taken during the scan.
IR Moon radiometry	1005001	10374.00	Position boresight 32 IR binned pixels "above" and centered E/W on the center of the lit crescent; scan "down" at 3.4722 urad/s (1 slit per 2.88s frame time) for 200s to end 32 IR binned pixels below the center of the lit crescent. HRII Exp ID 1005001 commanded data taken during the scan.
IR Moon radiometry	1005002	10604.00	Position boresight 32 IR binned pixels "above" and with IR row 48 centered E/W on the center of the lit crescent; scan "down" at 3.4722 urad/s (1 slit per 2.88s frame time) for 200s to end 32 IR binned pixels below the center of the lit crescent. HRII Exp ID 1005002 commanded data taken during the scan.

EPOXI Lunar Calibration: 29 Dec 2007 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR Moon radiometry	1005003	10884.00	Position boresight 32 IR binned pixels "above" and with IR row 48 centered E/W on the center of the lit crescent; scan "down" at 1.25 urad/s (1 slit per 8s frame time) for 5300s to end 32 IR binned pixels below the center of the lit crescent. HRII Exp ID 1005003 commanded data taken during the scan.
IR Straylight	1006000	11494.00	Position boresight 3.5 mrad (one lunar diameter) "above" the center of the Moon and 80% of the slit length anti-Sunward of the center of the lit crescent. Scan "down" at 17.5 urad/s (14 slits per 8s frame time) for 410s to end 3.5 mrad "below" the center of the Moon. HRII Exp ID 1006000 commanded data taken during the scan.
IR Straylight	1006001	12104.00	Position boresight 3.5 mrad (one lunar diameter) "above" the center of the Moon and centered E/W on the lit crescent. Scan "down" at 17.5 urad/s (14 slits per 8s frame time) for 410s to end 3.5 mrad "below" the center of the Moon. HRII Exp ID 1006001 commanded data taken during the scan.
IR Straylight	1006002	12544.00	Position boresight 3.5 mrad (one lunar diameter) "above" the center of the Moon and 80% of the slit length Sunward of the center of the lit crescent. Scan "down" at 17.5 urad/s (14 slits per 8s frame time) for 410s to end 3.5 mrad "below" the center of the Moon. HRII Exp ID 1006002 commanded data taken during the scan.
IR Straylight	1007000	12984.00	Position boresight 2.15 mrad "above" the center of the Moon and centered E/W on the lit crescent. Scan "down" at 6.944 urad/s (2 slits per 2.88s frame time) for 610s to end 2.1 mrad "below" the center of the Moon. HRII Exp ID 1007000 commanded data taken during the scan.
MRI Radiometry		13624.00	Position boresight to center of lit lunar crescent and acquire MRI radiometry images (MRI Exp IDs 1000036 - 1000050) and first set of HRIV radiometry images (HRIV Exp IDs 1000003 - 1000011).
HRI Radiometry		14189.00	Offset boresight 15 HRIV pixels vertically and repeat subset of HRIVIS radiometry images (HRIV Exp IDs 1000012 - 1000020)
HRI Radiometry		14261.00	Offset boresight 15 HRIV pixels horizontally and repeat subset of HRIVIS radiometry images (HRIV Exp IDs 1000021 - 1000026)
Back to cruise att		14417.37	
To Dark		14418.37	
To None		14633.70	

EPOXI Lunar Calibration: 29 Dec 2007 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
Lunar calibration	Darks	1000000	0.00	HRII	ALTFF	256	10	1440
		1000001	36.84	HRII	ALTFF	256	10	8000
		1000002	152.40	HRII	BINFF	256	10	2880
		1000003	189.30	HRII	BINFF	256	10	8000
		1000004	282.52	HRII	BINSF2	64	10	721
	Flat field; E/W scans	1000005	3344.07	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000006	3747.07	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000007	4150.07	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000008	4426.29	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000009	4547.29	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000010	4668.29	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000011	4795.58	HRII	UBFF	512	8	8680
	Flat field; E/W scans	1000012	4925.58	HRII	UBFF	512	8	8680
	Flat field; E/W scans	1000013	5044.84	HRII	UBFF	512	10	5000
	Flat field; E/W scans	1000014	5144.84	HRII	UBFF	512	10	5000
	Flat field; E/W scans	1000015	5244.84	HRII	UBFF	512	10	5000
	Flat field; E/W scans	1000016	5344.84	HRII	UBFF	512	10	5000
	Flat field; E/W scans	1000017	5444.84	HRII	UBFF	512	10	5000
	Flat field; E/W scans	1000018	5544.89	HRII	UBFF	512	10	5000
	Anti-Sat Filter; E/W scans	1001000	6143.00	HRII	BINFF	256	175	8000
	Anti-Sat Filter; E/W scans	1002000	7594.00	HRII	BINFF	256	175	8000
	Anti-Sat Filter; E/W scans	1003000	9045.00	HRII	ALTFF	256	175	1440
	Anti-Sat Filter; E/W scans	1004000	9606.00	HRII	ALTFF	256	175	1440
	Radiometry; N/S scans	1005000	10326.00	HRII	BINSF2	64	64	721
	Radiometry; N/S scans	1005001	10404.00	HRII	ALTFF	256	64	1440
	Radiometry; N/S scans	1005002	10684.00	HRII	ALTFF	256	64	1440
	Radiometry; N/S scans	1005003	10964.00	HRII	BINFF	256	64	8000
	Scat light; Lunar scan	1006000	11694.00	HRII	BINFF	256	50	8000
	Scat light; Lunar scan	1006001	12134.00	HRII	BINFF	256	50	8000
	Scat light; Lunar scan	1006002	12574.00	HRII	BINFF	256	50	8000
	Scat light; Lunar scan	1007000	13014.00	HRII	ALTFF	256	210	1440

POXI Lunar Calibration: 29 Dec 2007 - HRIV Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
Lunar calibration	Radiometry; Pos. 1	1000003	14125.00	HRIV	1024	1	2	15	1
	Radiometry; Pos. 1	1000004	14128.49	HRIV	1024	1	2	130	2
	Radiometry; Pos. 1	1000005	14133.32	HRIV	1024	1	2	70	3
	Radiometry; Pos. 1	1000006	14138.02	HRIV	1024	1	2	1000	4
	Radiometry; Pos. 1	1000007	14144.59	HRIV	1024	1	2	250	5
	Radiometry; Pos. 1	1000008	14149.65	HRIV	1024	1	2	15	6
	Radiometry; Pos. 1	1000009	14154.24	HRIV	1024	1	2	80	7
	Radiometry; Pos. 1	1000010	14158.97	HRIV	1024	1	2	130	8
	Radiometry; Pos. 1	1000011	14163.79	HRIV	1024	1	2	70	9
	Radiometry; Pos. 2	1000012	14198.50	HRIV	1024	1	2	15	1
	Radiometry; Pos. 2	1000013	14210.79	HRIV	1024	1	2	130	2
	Radiometry; Pos. 1	1000014	14215.61	HRIV	1024	1	2	70	3
	Radiometry; Pos. 2	1000015	14220.32	HRIV	1024	1	2	1000	4
	Radiometry; Pos. 2	1000016	14226.88	HRIV	1024	1	2	250	5
	Radiometry; Pos. 1	1000017	14231.95	HRIV	1024	1	2	15	6
	Radiometry; Pos. 1	1000018	14236.54	HRIV	1024	1	2	80	7
	Radiometry; Pos. 2	1000019	14241.26	HRIV	1024	1	2	130	8
	Radiometry; Pos. 2	1000020	14246.09	HRIV	1024	1	2	70	9
	Radiometry; Pos. 3	1000021	14280.79	HRIV	1024	1	2	15	1
	Radiometry; Pos. 3	1000022	14293.09	HRIV	1024	1	2	130	2
	Radiometry; Pos. 3	1000023	14297.91	HRIV	1024	1	2	1000	4
	Radiometry; Pos. 3	1000024	14305.57	HRIV	1024	1	2	250	5
	Radiometry; Pos. 3	1000025	14310.64	HRIV	1024	1	2	130	8
	Radiometry; Pos. 3	1000026	14317.66	HRIV	1024	1	2	70	9
	Darks	1000027	14422.37	HRIV	1024	1	3	15	9
	Darks	1000028	14427.51	HRIV	1024	1	3	130	9
	Darks	1000029	14432.99	HRIV	1024	1	3	1000	9

EPOXI Lunar Calibration: 29 Dec 2007 - MRI Sequence

Mission	Comments	EXP_ID	Sequence Time	Instrument	Image	Inst	Num. of	TRUE	FW
Timeline			(sec)	ID	Size	Mode	Images	EXP Dur (ms)	No.
Lunar calibration	IR E/W scan context images	1000000	3361.74	MRI	512	2	3	10	1
	IR E/W scan context images	1000001	3764.74	MRI	512	2	3	10	1
	IR E/W scan context images	1000002	4167.74	MRI	512	2	3	10	1
	IR E/W scan context images	1000003	4441.72	MRI	512	2	3	10	1
	IR E/W scan context images	1000004	4562.72	MRI	512	2	3	10	1
	IR E/W scan context images	1000005	4683.72	MRI	512	2	3	10	1
	IR E/W scan context images	1000006	4842.20	MRI	512	2	3	10	1
	IR E/W scan context images	1000007	4972.20	MRI	512	2	3	10	1
	IR E/W scan context images	1000008	5069.94	MRI	512	2	3	10	1
	IR E/W scan context images	1000009	5169.94	MRI	512	2	3	10	1
	IR E/W scan context images	1000010	5269.94	MRI	512	2	3	10	1
	IR E/W scan context images	1000011	5369.94	MRI	512	2	3	10	1
	IR E/W scan context images	1000012	5469.94	MRI	512	2	3	10	1
	IR E/W scan context images	1000013	5569.99	MRI	512	2	3	10	1
	IR E/W antisat filter context	1000014	6148.14	MRI	512	2	1	10	1
	IR E/W antisat filter context	1000015	7548.14	MRI	512	2	1	10	1
	IR E/W antisat filter context	1000016	8999.14	MRI	512	2	1	10	1
	IR E/W antisat filter context	1000017	9045.11	MRI	512	2	1	10	1
	IR E/W antisat filter context	1000018	9549.01	MRI	512	2	1	10	1
	IR E/W antisat filter context	1000019	10110.01	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000020	10326.10	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000021	10350.10	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000022	10373.10	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000023	10404.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000024	10504.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000025	10603.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000026	10684.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000027	10784.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000028	10883.11	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000029	10969.24	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000030	11231.24	MRI	512	2	1	10	1
	IR N/S radiometry scan context	1000031	11491.24	MRI	512	2	1	10	1
	IR scat light context images	1000032	11899.14	MRI	1024	1	1	10	1
	IR scat light context images	1000033	12339.14	MRI	1024	1	1	10	1

EPOXI Lunar Calibration: 29 Dec 2007 - MRI Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
	IR scat light context images	1000034	12779.14	MRI	1024	1	1	10	1
	IR scat light context images	1000035	13316.41	MRI	1024	1	1	10	1
	MRI radiometry and scat light	1000036	13664.00	MRI	512	2	1	6	1
	MRI radiometry and scat light	1000037	13664.94	MRI	1024	1	1	60	1
	MRI radiometry and scat light	1000038	13666.83	MRI	1024	1	1	600	1
	MRI radiometry and scat light	1000039	13669.27	MRI	512	2	1	260	2
	MRI radiometry and scat light	1000040	13671.56	MRI	512	2	1	500	3
	MRI radiometry and scat light	1000041	13674.10	MRI	512	2	1	30	4
	MRI radiometry and scat light	1000042	13676.16	MRI	512	2	1	100	5
	MRI radiometry and scat light	1000043	13678.30	MRI	1024	1	1	1000	5
	MRI radiometry and scat light	1000044	13681.13	MRI	1024	1	1	10000	5
	MRI radiometry and scat light	1000045	13692.96	MRI	512	2	1	6	6
	MRI radiometry and scat light	1000046	13695.00	MRI	512	2	1	3400	7
	MRI radiometry and scat light	1000047	13700.44	MRI	1024	1	1	34000	7
	MRI radiometry and scat light	1000048	13736.27	MRI	1024	1	1	340000	7
	MRI radiometry and scat light	1000049	14078.10	MRI	512	2	1	7500	8
	MRI radiometry and scat light	1000050	14087.63	MRI	512	2	1	25000	9
	MRI darks	1000051	14216.67	MRI	512	2	3	6	9
	MRI darks	1000052	14219.09	MRI	512	2	3	260	9
	MRI darks	1000053	14222.28	MRI	512	2	3	3400	9
	MRI darks	1000054	14234.88	MRI	1024	1	1	60	9
	MRI darks	1000055	14236.77	MRI	1024	1	1	600	9
	MRI darks	1000056	14239.21	MRI	1024	1	1	10000	9
	MRI darks	1000057	14251.04	MRI	1024	1	1	34000	9
	MRI darks	1000058	14286.87	MRI	1024	1	1	340000	9

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
To Moon		0.00	Slew to point 500 urad from Moon photometric equator and 230 urad toward the Sun from the center of the lit crescent. Allow 20 min to settle and for ACS filters to converge.
IR Moon Radiometry; N/S scans	1000000	3000.00	Scan across the Moon cross-slit
IR Moon Radiometry; N/S scans	1000001	3075.00	Repeat scan centered on lit crescent
IR Moon Radiometry; N/S scans	1000002	3158.00	Repeat scan 230 urad anti-Sunward from the center of the lit crescent
IR Moon Flat Field; E/W scans		3241.00	Slew to point 110 mrad on anti-Sun side of Moon 23 pixels from photometric equator.
IR Moon Flat Field; E/W scans	1000003	3351.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000003 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		3423.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000004	3754.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000004 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		3826.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000005	4157.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000005 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		4229.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000006	4560.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000006 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		4632.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000007	4963.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000007 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		5035.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000008	5366.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000008 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		5438.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000009	5769.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000009 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		5841.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels from photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000010	6172.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000010 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		6244.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000011	6575.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000011 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		6647.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000012	6978.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000012 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		7050.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000013	7381.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000013 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		7453.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000014	7784.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000014 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		7856.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000015	8187.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000015 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		8259.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000016	8590.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000016 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		8662.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000017	8993.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000017 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		9065.00	Reposition to 110 mrad on anti-Sun side of the Moon on photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000018	9396.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000018 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		9468.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000019	9799.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000019 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		9871.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000020	10202.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000020 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		10274.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000021	10605.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000021 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		10677.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000022	11008.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000022 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		11080.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000023	11411.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000023 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		11483.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000024	11814.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000024 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		11886.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000025	12217.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000025 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		12289.00	Reposition to 110 mrad on anti-Sun side of the Moon 23 pixels on other side of photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000026	12620.00	Slew to accelerate to 3490 urad/s rate scanning toward the Sun. Allow 60 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 3490 urad/s scan rate from this point for 12 seconds ending ~37 mrad on the Sun side of the Moon. HRII Exp ID 1000026 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		12692.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000027	12933.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000027 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		12975.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000028	13056.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000028 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13098.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000029	13179.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000029 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13221.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000030	13302.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000030 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13344.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000031	13425.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000031 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13467.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000032	13548.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000032 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13590.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000033	13671.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000033 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13713.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000034	13794.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000034 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13836.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000035	13917.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000035 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		13959.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000036	14040.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000036 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14082.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000037	14163.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000037 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14205.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000038	14286.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000038 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14328.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000039	14409.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000039 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14451.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000040	14532.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000040 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14574.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000041	14655.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000041 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14697.00	Reposition to 9.2 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000042	14778.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000042 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14820.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000043	14901.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000043 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		14943.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000044	15024.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000044 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15066.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000045	15147.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000045 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15189.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000046	15270.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000046 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15312.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000047	15393.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000047 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15435.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000048	15516.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000048 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15558.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000049	15639.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000049 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15681.00	Reposition to 9.2 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000050	15762.00	Slew to accelerate to 700 urad/s rate scanning toward the Sun. Allow 12 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 700 urad/s scan rate from this point for 30 seconds ending ~20 mrad on the Sun side of the Moon. HRII Exp ID 1000050 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15804.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000051	15894.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000051 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		15952.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000052	16002.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000052 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16060.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000053	16110.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000053 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16168.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000054	16218.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000054 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16276.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000055	16326.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000055 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16384.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000056	16434.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000056 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16492.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000057	16542.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000057 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16600.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels from the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000058	16650.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000058 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16708.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000059	16758.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000059 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16816.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000060	16866.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000060 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		16924.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000061	16974.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000061 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17032.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000062	17082.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000062 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17140.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000063	17190.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000063 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17248.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000064	17298.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000064 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17356.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000065	17406.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000065 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17464.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000066	17514.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000066 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17572.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000067	17622.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000067 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17680.00	Reposition to 6.6 mrad on anti-Sun side of the Moon on the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000068	17730.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000068 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17788.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000069	17838.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000069 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		17896.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000070	17946.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000070 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18004.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000071	18054.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000071 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18112.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000072	18162.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000072 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18220.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000073	18270.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000073 commanded data taken during the scan. HRII Exp ID 1000073 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18328.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - Pointing and Scan Descriptions

Comments/Activity	HRII EXP ID	Sequence Time (sec)	Pointing and HRII Scan Description
IR Moon Flat Field; E/W scans	1000074	18378.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000074 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18436.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000075	18486.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000075 commanded data taken during the scan.
IR Moon Flat Field; E/W scans		18544.00	Reposition to 6.6 mrad on anti-Sun side of the Moon 23 pixels on the other side of the photometric equator in preparation for the next IR scan
IR Moon Flat Field; E/W scans	1000076	18594.00	Slew to accelerate to 400 urad/s rate scanning toward the Sun. Allow 8 s to accelerate to desired rate at a point 5 mrad on the anti-Sun side of the Moon. Continue at fixed 400 urad/s scan rate from this point for 50 seconds ending ~15 mrad on the Sun side of the Moon. HRII Exp ID 1000076 commanded data taken during the scan.
Back to cruise attitude		18652.00	

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
Lunar radiometry	Radiometry; N/S scan	1000000	3002.00	HRII	BINSF2	64	100	721
	Radiometry; N/S scan	1000001	3085.00	HRII	BINSF2	64	100	721
	Radiometry; N/S scan	1000002	3168.00	HRII	BINSF2	64	100	721
Lunar calibration	Flat field; E/W scans	1000003	3393.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000004	3796.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000005	4199.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000006	4602.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000007	5005.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000008	5408.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000009	5811.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000010	6214.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000011	6617.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000012	7020.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000013	7423.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000014	7826.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000015	8229.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000016	8632.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000017	9035.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000018	9438.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000019	9841.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000020	10244.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000021	10647.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000022	11050.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000023	11453.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000024	11856.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000025	12259.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000026	12662.85	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000027	12933.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000028	13056.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000029	13179.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000030	13302.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000031	13425.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000032	13548.70	HRII	UBFF	512	8	3120

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
	Flat field; E/W scans	1000033	13671.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000034	13794.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000035	13917.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000036	14040.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000037	14163.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000038	14286.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000039	14409.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000040	14532.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000041	14655.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000042	14778.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000043	14901.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000044	15024.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000045	15147.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000046	15270.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000047	15393.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000048	15516.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000049	15639.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000050	15762.70	HRII	UBFF	512	8	3120
	Flat field; E/W scans	1000051	15876.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000052	15984.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000053	16092.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000054	16200.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000055	16308.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000056	16416.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000057	16524.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000058	16632.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000059	16740.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000060	16848.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000061	16956.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000062	17064.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000063	17172.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000064	17280.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000065	17388.98	HRII	UBFF	512	8	6610

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
	Flat field; E/W scans	1000066	17496.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000067	17604.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000068	17712.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000069	17820.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000070	17928.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000071	18036.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000072	18144.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000073	18252.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000074	18360.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000075	18468.98	HRII	UBFF	512	8	6610
	Flat field; E/W scans	1000076	18576.98	HRII	UBFF	512	8	6610

EPOXI HR II Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009: MRI Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
Lunar radiometry	IR E/W scan context images	1000000	3038.05	MRI	512	2	1	10	1
	IR E/W scan context images	1000001	3121.05	MRI	512	2	1	10	1
	IR E/W scan context images	1000002	3204.05	MRI	512	2	1	10	1
Lunar calibration	IR E/W scan context images	1000003	3411.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000004	3814.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000005	4217.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000006	4620.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000007	5023.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000008	5426.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000009	5829.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000010	6232.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000011	6635.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000012	7038.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000013	7441.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000014	7844.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000015	8247.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000016	8650.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000017	9053.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000018	9456.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000019	9859.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000020	10262.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000021	10665.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000022	11068.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000023	11471.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000024	11874.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000025	12277.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000026	12680.52	MRI	512	2	3	10	1
	IR E/W scan context images	1000027	12946.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000028	13069.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000029	13192.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000030	13315.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000031	13438.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000032	13561.69	MRI	512	2	3	10	1

EPOXI HR II Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009: MRI Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
	IR E/W scan context images	1000033	13684.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000034	13807.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000035	13930.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000036	14053.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000037	14176.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000038	14299.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000039	14422.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000040	14545.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000041	14668.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000042	14791.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000043	14914.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000044	15037.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000045	15160.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000046	15283.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000047	15406.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000048	15529.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000049	15652.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000050	15775.69	MRI	512	2	3	10	1
	IR E/W scan context images	1000051	15908.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000052	16016.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000053	16124.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000054	16232.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000055	16340.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000056	16448.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000057	16556.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000058	16664.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000059	16772.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000060	16880.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000061	16988.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000062	17096.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000063	17204.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000064	17312.26	MRI	512	2	3	10	1

EPOXI HRII Lunar Radiometry and Flat Field Calibrations: 01-02 June, 05 Dec, and 12 Dec 2009: MRI Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
	IR E/W scan context images	1000065	17420.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000066	17528.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000067	17636.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000068	17744.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000069	17852.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000070	17960.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000071	18068.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000072	18176.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000073	18284.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000074	18392.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000075	18500.26	MRI	512	2	3	10	1
	IR E/W scan context images	1000076	18608.26	MRI	512	2	3	10	1

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
To Moon		0.00	Slew to point 500 urad from the Moon centered on the center of the lit crescent. Allow 20 min to settle and for ACS filters to converge.
IR Moon Radiometry	1000000	3000.00	Cross-slit scan centered on lit crescent
IR AS filter scattering		3083.00	Slew to point 312 mrad from the Moon centered with lunar lit limb offset 53 pixels along-slit from the ASF boundary. Allow 20 min to settle and for ACS filters to converge.
IR AS filter scattering	1000001	3393.00	Run up to 6000 urad/s rate cross-slit reaching this rate 3000 urad (0.5s) from the center of the Moon; scan for 8s at this rate during IR Spec integration delay window.
IR AS filter scattering	1000002	3504.00	Stop previous scan and run up to c in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000003	3732.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000004	3960.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000005	4188.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000006	4416.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000007	4644.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000008	4872.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000009	5100.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000010	5328.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000011	5556.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000012	5784.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000013	6012.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000014	6240.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000015	6468.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000016	6696.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000017	6924.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000018	7152.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000019	7380.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000020	7608.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000021	7836.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000022	8064.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000023	8292.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000024	8520.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000025	8748.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000026	8976.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000027	9204.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000028	9432.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000029	9660.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000030	9888.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000031	10116.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000032	10344.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000033	10572.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000034	10800.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000035	11028.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000036	11256.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000037	11484.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000038	11712.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000039	11940.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000040	12168.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000041	12396.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000042	12624.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000043	12852.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000044	13080.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000045	13308.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000046	13536.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000047	13764.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000048	13992.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000049	14220.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000050	14448.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000051	14676.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000052	14904.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000053	15132.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000054	15360.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000055	15588.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000056	15816.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000057	16044.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000058	16272.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000059	16500.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000060	16728.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000061	16956.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000062	17184.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000063	17412.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000064	17640.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000065	17868.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000066	18096.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000067	18324.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000068	18552.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000069	18780.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000070	19008.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000071	19236.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000072	19464.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000073	19692.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000074	19920.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000075	20148.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000076	20376.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000077	20604.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000078	20832.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000079	21060.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000080	21288.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000081	21516.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000082	21744.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000083	21972.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000084	22200.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000085	22428.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000086	22656.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000087	22884.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000088	23112.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000089	23340.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000090	23568.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000091	23796.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000092	24024.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000093	24252.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000094	24480.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000095	24708.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000096	24936.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000097	25164.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000098	25392.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000099	25620.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000100	25848.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000101	26076.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000102	26304.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000103	26532.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000104	26760.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000105	26988.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000106	27216.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000107	27444.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000108	27672.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000109	27900.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000110	28128.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000111	28356.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000112	28584.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000113	28812.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000114	29040.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000115	29268.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000116	29496.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000117	29724.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000118	29952.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000119	30180.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000120	30408.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000121	30636.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000122	30864.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000123	31092.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000124	31320.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000125	31548.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000126	31776.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000127	32004.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000128	32232.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000129	32460.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000130	32688.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000131	32916.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000132	33144.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000133	33372.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000134	33600.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000135	33828.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000136	34056.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000137	34284.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000138	34512.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000139	34740.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000140	34968.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000141	35196.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000142	35424.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000143	35652.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000144	35880.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000145	36108.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000146	36336.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000147	36564.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000148	36792.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000149	37020.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000150	37248.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000151	37476.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000152	37704.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000153	37932.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000154	38160.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000155	38388.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000156	38616.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000157	38844.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000158	39072.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000159	39300.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000160	39528.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000161	39756.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000162	39984.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000163	40212.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000164	40440.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000165	40668.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000166	40896.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000167	41124.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000168	41352.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000169	41580.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000170	41808.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000171	42036.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000172	42264.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000173	42492.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000174	42720.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000175	42948.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000176	43176.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000177	43404.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000178	43632.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000179	43860.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000180	44088.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000181	44316.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000182	44544.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000183	44772.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000184	45000.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000185	45228.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000186	45456.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000187	45684.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000188	45912.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000189	46140.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000190	46368.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000191	46596.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000192	46824.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000193	47052.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000194	47280.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000195	47508.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000196	47736.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000197	47964.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000198	48192.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000199	48420.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000200	48648.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000201	48876.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000202	49104.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000203	49332.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000204	49560.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000205	49788.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000206	50016.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000207	50244.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000208	50472.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000209	50700.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000210	50928.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000211	51156.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000212	51384.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000213	51612.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000214	51840.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000215	52068.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000216	52296.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000217	52524.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000218	52752.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000219	52980.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering	1000220	53208.00	Stop previous scan and run up to 6000 urad/s rate cross-slit in the opposite direction reaching this rate 3000 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 8s across the Moon during IR Spec integration delay window.
IR AS filter scattering		53436.00	Run down to stop previous scan and stop.

EPOXI HR II Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HR II Sequence

Mission	Comments	EXP_ID	Sequence Time	Instrument	Image	Image	Num. of	TRUE
Timeline			(sec)	ID	Mode	Size	Images	EXP Dur (ms)
Lunar radiometry	Radiometry; N/S scan	1000000	3010.00	HR II	BINSF2	64	100	721
Lunar Cal Part A	AS Filter Scattering Cal Part A	1000001	3472.59	HR II	ALTF	256	6	2440
		1000002	3700.59	HR II	ALTF	256	6	2440
		1000003	3928.59	HR II	ALTF	256	6	2440
		1000004	4156.59	HR II	ALTF	256	6	2440
		1000005	4384.59	HR II	ALTF	256	6	2440
		1000006	4612.59	HR II	ALTF	256	6	2440
		1000007	4840.59	HR II	ALTF	256	6	2440
		1000008	5068.59	HR II	ALTF	256	6	2440
		1000009	5296.59	HR II	ALTF	256	6	2440
		1000010	5524.59	HR II	ALTF	256	6	2440
		1000011	5752.59	HR II	ALTF	256	6	2440
		1000012	5980.59	HR II	ALTF	256	6	2440
		1000013	6208.59	HR II	ALTF	256	6	2440
		1000014	6436.59	HR II	ALTF	256	6	2440
		1000015	6664.59	HR II	ALTF	256	6	2440
		1000016	6892.59	HR II	ALTF	256	6	2440
		1000017	7120.59	HR II	ALTF	256	6	2440
		1000018	7348.59	HR II	ALTF	256	6	2440
		1000019	7576.59	HR II	ALTF	256	6	2440
		1000020	7804.59	HR II	ALTF	256	6	2440
		1000021	8032.59	HR II	ALTF	256	6	2440
		1000022	8260.59	HR II	ALTF	256	6	2440
		1000023	8488.59	HR II	ALTF	256	6	2440
		1000024	8716.59	HR II	ALTF	256	6	2440
		1000025	8944.59	HR II	ALTF	256	6	2440
		1000026	9172.59	HR II	ALTF	256	6	2440
		1000027	9400.59	HR II	ALTF	256	6	2440
		1000028	9628.59	HR II	ALTF	256	6	2440
		1000029	9856.59	HR II	ALTF	256	6	2440
		1000030	10084.59	HR II	ALTF	256	6	2440
		1000031	10312.59	HR II	ALTF	256	6	2440
		1000032	10540.59	HR II	ALTF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000033	10768.59	HRII	ALFFF	256	6	2440
		1000034	10996.59	HRII	ALFFF	256	6	2440
		1000035	11224.59	HRII	ALFFF	256	6	2440
		1000036	11452.59	HRII	ALFFF	256	6	2440
		1000037	11680.59	HRII	ALFFF	256	6	2440
		1000038	11908.59	HRII	ALFFF	256	6	2440
		1000039	12136.59	HRII	ALFFF	256	6	2440
		1000040	12364.59	HRII	ALFFF	256	6	2440
		1000041	12592.59	HRII	ALFFF	256	6	2440
		1000042	12820.59	HRII	ALFFF	256	6	2440
		1000043	13048.59	HRII	ALFFF	256	6	2440
		1000044	13276.59	HRII	ALFFF	256	6	2440
		1000045	13504.59	HRII	ALFFF	256	6	2440
		1000046	13732.59	HRII	ALFFF	256	6	2440
		1000047	13960.59	HRII	ALFFF	256	6	2440
		1000048	14188.59	HRII	ALFFF	256	6	2440
		1000049	14416.59	HRII	ALFFF	256	6	2440
		1000050	14644.59	HRII	ALFFF	256	6	2440
		1000051	14872.59	HRII	ALFFF	256	6	2440
		1000052	15100.59	HRII	ALFFF	256	6	2440
		1000053	15328.59	HRII	ALFFF	256	6	2440
		1000054	15556.59	HRII	ALFFF	256	6	2440
		1000055	15784.59	HRII	ALFFF	256	6	2440
		1000056	16012.59	HRII	ALFFF	256	6	2440
		1000057	16240.59	HRII	ALFFF	256	6	2440
		1000058	16468.59	HRII	ALFFF	256	6	2440
		1000059	16696.59	HRII	ALFFF	256	6	2440
		1000060	16924.59	HRII	ALFFF	256	6	2440
		1000061	17152.59	HRII	ALFFF	256	6	2440
		1000062	17380.59	HRII	ALFFF	256	6	2440
		1000063	17608.59	HRII	ALFFF	256	6	2440
		1000064	17836.59	HRII	ALFFF	256	6	2440
		1000065	18064.59	HRII	ALFFF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000066	18292.59	HRII	ALFFF	256	6	2440
		1000067	18520.59	HRII	ALFFF	256	6	2440
		1000068	18748.59	HRII	ALFFF	256	6	2440
		1000069	18976.59	HRII	ALFFF	256	6	2440
		1000070	19204.59	HRII	ALFFF	256	6	2440
		1000071	19432.59	HRII	ALFFF	256	6	2440
		1000072	19660.59	HRII	ALFFF	256	6	2440
		1000073	19888.59	HRII	ALFFF	256	6	2440
		1000074	20116.59	HRII	ALFFF	256	6	2440
		1000075	20344.59	HRII	ALFFF	256	6	2440
		1000076	20572.59	HRII	ALFFF	256	6	2440
		1000077	20800.59	HRII	ALFFF	256	6	2440
		1000078	21028.59	HRII	ALFFF	256	6	2440
		1000079	21256.59	HRII	ALFFF	256	6	2440
		1000080	21484.59	HRII	ALFFF	256	6	2440
		1000081	21712.59	HRII	ALFFF	256	6	2440
		1000082	21940.59	HRII	ALFFF	256	6	2440
		1000083	22168.59	HRII	ALFFF	256	6	2440
		1000084	22396.59	HRII	ALFFF	256	6	2440
		1000085	22624.59	HRII	ALFFF	256	6	2440
		1000086	22852.59	HRII	ALFFF	256	6	2440
		1000087	23080.59	HRII	ALFFF	256	6	2440
		1000088	23308.59	HRII	ALFFF	256	6	2440
		1000089	23536.59	HRII	ALFFF	256	6	2440
		1000090	23764.59	HRII	ALFFF	256	6	2440
		1000091	23992.59	HRII	ALFFF	256	6	2440
		1000092	24220.59	HRII	ALFFF	256	6	2440
		1000093	24448.59	HRII	ALFFF	256	6	2440
		1000094	24676.59	HRII	ALFFF	256	6	2440
		1000095	24904.59	HRII	ALFFF	256	6	2440
		1000096	25132.59	HRII	ALFFF	256	6	2440
		1000097	25360.59	HRII	ALFFF	256	6	2440
		1000098	25588.59	HRII	ALFFF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000099	25816.59	HRII	ALFFF	256	6	2440
		1000100	26044.59	HRII	ALFFF	256	6	2440
		1000101	26272.59	HRII	ALFFF	256	6	2440
		1000102	26500.59	HRII	ALFFF	256	6	2440
		1000103	26728.59	HRII	ALFFF	256	6	2440
		1000104	26956.59	HRII	ALFFF	256	6	2440
		1000105	27184.59	HRII	ALFFF	256	6	2440
		1000106	27412.59	HRII	ALFFF	256	6	2440
		1000107	27640.59	HRII	ALFFF	256	6	2440
		1000108	27868.59	HRII	ALFFF	256	6	2440
		1000109	28096.59	HRII	ALFFF	256	6	2440
		1000110	28324.59	HRII	ALFFF	256	6	2440
		1000111	28552.59	HRII	ALFFF	256	6	2440
		1000112	28780.59	HRII	ALFFF	256	6	2440
		1000113	29008.59	HRII	ALFFF	256	6	2440
		1000114	29236.59	HRII	ALFFF	256	6	2440
		1000115	29464.59	HRII	ALFFF	256	6	2440
		1000116	29692.59	HRII	ALFFF	256	6	2440
		1000117	29920.59	HRII	ALFFF	256	6	2440
		1000118	30148.59	HRII	ALFFF	256	6	2440
		1000119	30376.59	HRII	ALFFF	256	6	2440
		1000120	30604.59	HRII	ALFFF	256	6	2440
		1000121	30832.59	HRII	ALFFF	256	6	2440
		1000122	31060.59	HRII	ALFFF	256	6	2440
		1000123	31288.59	HRII	ALFFF	256	6	2440
		1000124	31516.59	HRII	ALFFF	256	6	2440
		1000125	31744.59	HRII	ALFFF	256	6	2440
		1000126	31972.59	HRII	ALFFF	256	6	2440
		1000127	32200.59	HRII	ALFFF	256	6	2440
		1000128	32428.59	HRII	ALFFF	256	6	2440
		1000129	32656.59	HRII	ALFFF	256	6	2440
		1000130	32884.59	HRII	ALFFF	256	6	2440
		1000131	33112.59	HRII	ALFFF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000132	33340.59	HRII	ALFFF	256	6	2440
		1000133	33568.59	HRII	ALFFF	256	6	2440
		1000134	33796.59	HRII	ALFFF	256	6	2440
		1000135	34024.59	HRII	ALFFF	256	6	2440
		1000136	34252.59	HRII	ALFFF	256	6	2440
		1000137	34480.59	HRII	ALFFF	256	6	2440
		1000138	34708.59	HRII	ALFFF	256	6	2440
		1000139	34936.59	HRII	ALFFF	256	6	2440
		1000140	35164.59	HRII	ALFFF	256	6	2440
		1000141	35392.59	HRII	ALFFF	256	6	2440
		1000142	35620.59	HRII	ALFFF	256	6	2440
		1000143	35848.59	HRII	ALFFF	256	6	2440
		1000144	36076.59	HRII	ALFFF	256	6	2440
		1000145	36304.59	HRII	ALFFF	256	6	2440
		1000146	36532.59	HRII	ALFFF	256	6	2440
		1000147	36760.59	HRII	ALFFF	256	6	2440
		1000148	36988.59	HRII	ALFFF	256	6	2440
		1000149	37216.59	HRII	ALFFF	256	6	2440
		1000150	37444.59	HRII	ALFFF	256	6	2440
		1000151	37672.59	HRII	ALFFF	256	6	2440
		1000152	37900.59	HRII	ALFFF	256	6	2440
		1000153	38128.59	HRII	ALFFF	256	6	2440
		1000154	38356.59	HRII	ALFFF	256	6	2440
		1000155	38584.59	HRII	ALFFF	256	6	2440
		1000156	38812.59	HRII	ALFFF	256	6	2440
		1000157	39040.59	HRII	ALFFF	256	6	2440
		1000158	39268.59	HRII	ALFFF	256	6	2440
		1000159	39496.59	HRII	ALFFF	256	6	2440
		1000160	39724.59	HRII	ALFFF	256	6	2440
		1000161	39952.59	HRII	ALFFF	256	6	2440
		1000162	40180.59	HRII	ALFFF	256	6	2440
		1000163	40408.59	HRII	ALFFF	256	6	2440
		1000164	40636.59	HRII	ALFFF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000165	40864.59	HRII	ALFFF	256	6	2440
		1000166	41092.59	HRII	ALFFF	256	6	2440
		1000167	41320.59	HRII	ALFFF	256	6	2440
		1000168	41548.59	HRII	ALFFF	256	6	2440
		1000169	41776.59	HRII	ALFFF	256	6	2440
		1000170	42004.59	HRII	ALFFF	256	6	2440
		1000171	42232.59	HRII	ALFFF	256	6	2440
		1000172	42460.59	HRII	ALFFF	256	6	2440
		1000173	42688.59	HRII	ALFFF	256	6	2440
		1000174	42916.59	HRII	ALFFF	256	6	2440
		1000175	43144.59	HRII	ALFFF	256	6	2440
		1000176	43372.59	HRII	ALFFF	256	6	2440
		1000177	43600.59	HRII	ALFFF	256	6	2440
		1000178	43828.59	HRII	ALFFF	256	6	2440
		1000179	44056.59	HRII	ALFFF	256	6	2440
		1000180	44284.59	HRII	ALFFF	256	6	2440
		1000181	44512.59	HRII	ALFFF	256	6	2440
		1000182	44740.59	HRII	ALFFF	256	6	2440
		1000183	44968.59	HRII	ALFFF	256	6	2440
		1000184	45196.59	HRII	ALFFF	256	6	2440
		1000185	45424.59	HRII	ALFFF	256	6	2440
		1000186	45652.59	HRII	ALFFF	256	6	2440
		1000187	45880.59	HRII	ALFFF	256	6	2440
		1000188	46108.59	HRII	ALFFF	256	6	2440
		1000189	46336.59	HRII	ALFFF	256	6	2440
		1000190	46564.59	HRII	ALFFF	256	6	2440
		1000191	46792.59	HRII	ALFFF	256	6	2440
		1000192	47020.59	HRII	ALFFF	256	6	2440
		1000193	47248.59	HRII	ALFFF	256	6	2440
		1000194	47476.59	HRII	ALFFF	256	6	2440
		1000195	47704.59	HRII	ALFFF	256	6	2440
		1000196	47932.59	HRII	ALFFF	256	6	2440
		1000197	48160.59	HRII	ALFFF	256	6	2440

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000198	48388.59	HRII	ALFFF	256	6	2440
		1000199	48616.59	HRII	ALFFF	256	6	2440
		1000200	48844.59	HRII	ALFFF	256	6	2440
		1000201	49072.59	HRII	ALFFF	256	6	2440
		1000202	49300.59	HRII	ALFFF	256	6	2440
		1000203	49528.59	HRII	ALFFF	256	6	2440
		1000204	49756.59	HRII	ALFFF	256	6	2440
		1000205	49984.59	HRII	ALFFF	256	6	2440
		1000206	50212.59	HRII	ALFFF	256	6	2440
		1000207	50440.59	HRII	ALFFF	256	6	2440
		1000208	50668.59	HRII	ALFFF	256	6	2440
		1000209	50896.59	HRII	ALFFF	256	6	2440
		1000210	51124.59	HRII	ALFFF	256	6	2440
		1000211	51352.59	HRII	ALFFF	256	6	2440
		1000212	51580.59	HRII	ALFFF	256	6	2440
		1000213	51808.59	HRII	ALFFF	256	6	2440
		1000214	52036.59	HRII	ALFFF	256	6	2440
		1000215	52264.59	HRII	ALFFF	256	6	2440
		1000216	52492.59	HRII	ALFFF	256	6	2440
		1000217	52720.59	HRII	ALFFF	256	6	2440
		1000218	52948.59	HRII	ALFFF	256	6	2440
		1000219	53176.59	HRII	ALFFF	256	6	2440
		1000220	53404.59	HRII	ALFFF	256	6	2440

POXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part A: 09 Jun 2009 - MRI Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
Lunar radiometry	IR E/W scan context images	1000000	3046.05	MRI	512	2	1	10	1
Lunar calibration	IR ASF scan context	1000001	3496.40	MRI	512	2	1	10	1
	IR ASF scan context	1000002	7828.40	MRI	512	2	1	10	1
	IR ASF scan context	1000003	12616.40	MRI	512	2	1	10	1
	IR ASF scan context	1000004	16948.40	MRI	512	2	1	10	1
	IR ASF scan context	1000005	21736.40	MRI	512	2	1	10	1
	IR ASF scan context	1000006	26068.40	MRI	512	2	1	10	1
	IR ASF scan context	1000007	30856.40	MRI	512	2	1	10	1
	IR ASF scan context	1000008	35188.40	MRI	512	2	1	10	1
	IR ASF scan context	1000009	39976.40	MRI	512	2	1	10	1
	IR ASF scan context	1000010	44308.40	MRI	512	2	1	10	1
	IR ASF scan context	1000011	49096.40	MRI	512	2	1	10	1
	IR ASF scan context	1000012	53428.40	MRI	512	2	1	10	1

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
To Moon		54000.00	
IR AS filter scattering		54157.00	Slew to point 2.79 mrad from the Moon centered with lunar lit limb offset 53 pixels along-slit from the ASF boundary to set up for slow-rate scans.
IR AS filter scattering	1000300	54308.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000301	54371.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000302	54434.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000303	54497.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000304	54560.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000305	54623.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000306	54686.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000307	54749.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000308	54812.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000309	54875.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000310	54938.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000311	55001.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000312	55064.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000313	55127.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000314	55190.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000315	55253.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000316	55316.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000317	55379.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000318	55442.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000319	55505.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000320	55568.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000321	55631.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000322	55694.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000323	55757.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000324	55820.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000325	55883.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000326	55946.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000327	56009.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000328	56072.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000329	56135.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000330	56198.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000331	56261.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000332	56324.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000333	56387.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000334	56450.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000335	56513.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000336	56576.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000337	56639.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000338	56702.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000339	56765.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000340	56828.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000341	56891.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000342	56954.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000343	57017.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000344	57080.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000345	57143.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000346	57206.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000347	57269.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000348	57332.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000349	57395.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000350	57458.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000351	57521.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000352	57584.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000353	57647.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000354	57710.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000355	57773.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000356	57836.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000357	57899.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000358	57962.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000359	58025.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000360	58088.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000361	58151.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000362	58214.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000363	58277.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000364	58340.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000365	58403.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000366	58466.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000367	58529.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000368	58592.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000369	58655.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000370	58718.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000371	58781.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000372	58844.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000373	58907.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000374	58970.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000375	59033.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000376	59096.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000377	59159.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000378	59222.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000379	59285.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000380	59348.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000381	59411.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000382	59474.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000383	59537.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000384	59600.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000385	59663.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000386	59726.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000387	59789.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000388	59852.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000389	59915.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000390	59978.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000391	60041.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000392	60104.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000393	60167.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000394	60230.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000395	60293.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000396	60356.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000397	60419.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000398	60482.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000399	60545.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000400	60608.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000401	60671.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000402	60734.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000403	60797.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000404	60860.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000405	60923.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000406	60986.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000407	61049.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000408	61112.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000409	61175.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000410	61238.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000411	61301.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000412	61364.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000413	61427.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000414	61490.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000415	61553.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000416	61616.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000417	61679.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000418	61742.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000419	61805.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000420	61868.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000421	61931.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000422	61994.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000423	62057.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000424	62120.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000425	62183.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000426	62246.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000427	62309.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000428	62372.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000429	62435.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000430	62498.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000431	62561.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000432	62624.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000433	62687.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000434	62750.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000435	62813.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000436	62876.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000437	62939.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000438	63002.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000439	63065.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000440	63128.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000441	63191.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000442	63254.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000443	63317.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000444	63380.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000445	63443.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000446	63506.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000447	63569.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000448	63632.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000449	63695.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000450	63758.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000451	63821.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000452	63884.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000453	63947.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000454	64010.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000455	64073.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000456	64136.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000457	64199.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000458	64262.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000459	64325.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000460	64388.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000461	64451.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000462	64514.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000463	64577.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000464	64640.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000465	64703.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000466	64766.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000467	64829.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000468	64892.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000469	64955.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000470	65018.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000471	65081.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000472	65144.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000473	65207.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000474	65270.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000475	65333.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000476	65396.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000477	65459.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000478	65522.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000479	65585.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000480	65648.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000481	65711.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000482	65774.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000483	65837.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000484	65900.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000485	65963.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000486	66026.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000487	66089.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000488	66152.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000489	66215.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000490	66278.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000491	66341.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000492	66404.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000493	66467.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000494	66530.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000495	66593.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000496	66656.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000497	66719.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000498	66782.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000499	66845.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000500	66908.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000501	66971.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000502	67034.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000503	67097.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000504	67160.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000505	67223.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000506	67286.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000507	67349.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000508	67412.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000509	67475.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000510	67538.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000511	67601.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000512	67664.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000513	67727.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000514	67790.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
IR AS filter scattering	1000515	67853.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000516	67916.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000517	67979.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000518	68042.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering	1000519	68105.00	Stop previous scan and run up to 500 urad/s rate cross-slit in the opposite direction reaching this rate 540 urad from the center of the Moon and offset 1 pixel (10 urad) along-slit from the previous scan; scan for 13s across the Moon during and slightly after IR Spec integration delay window.
IR AS filter scattering		68168.00	Run down to stop previous scan and stop.
Back to cruise att		68181.00	
To None		68182.00	

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
Lunar Cal Part B	AS Filter Scattering Cal Part B	1000300	54324.15	HRII	ALFFF	256	6	3600
		1000301	54387.15	HRII	ALFFF	256	6	3600
		1000302	54450.15	HRII	ALFFF	256	6	3600
		1000303	54513.15	HRII	ALFFF	256	6	3600
		1000304	54576.15	HRII	ALFFF	256	6	3600
		1000305	54639.15	HRII	ALFFF	256	6	3600
		1000306	54702.15	HRII	ALFFF	256	6	3600
		1000307	54765.15	HRII	ALFFF	256	6	3600
		1000308	54828.15	HRII	ALFFF	256	6	3600
		1000309	54891.15	HRII	ALFFF	256	6	3600
		1000310	54954.15	HRII	ALFFF	256	6	3600
		1000311	55017.15	HRII	ALFFF	256	6	3600
		1000312	55080.15	HRII	ALFFF	256	6	3600
		1000313	55143.15	HRII	ALFFF	256	6	3600
		1000314	55206.15	HRII	ALFFF	256	6	3600
		1000315	55269.15	HRII	ALFFF	256	6	3600
		1000316	55332.15	HRII	ALFFF	256	6	3600
		1000317	55395.15	HRII	ALFFF	256	6	3600
		1000318	55458.15	HRII	ALFFF	256	6	3600
		1000319	55521.15	HRII	ALFFF	256	6	3600
		1000320	55584.15	HRII	ALFFF	256	6	3600
		1000321	55647.15	HRII	ALFFF	256	6	3600
		1000322	55710.15	HRII	ALFFF	256	6	3600
		1000323	55773.15	HRII	ALFFF	256	6	3600
		1000324	55836.15	HRII	ALFFF	256	6	3600
		1000325	55899.15	HRII	ALFFF	256	6	3600
		1000326	55962.15	HRII	ALFFF	256	6	3600
		1000327	56025.15	HRII	ALFFF	256	6	3600
		1000328	56088.15	HRII	ALFFF	256	6	3600
		1000329	56151.15	HRII	ALFFF	256	6	3600
		1000330	56214.15	HRII	ALFFF	256	6	3600
		1000331	56277.15	HRII	ALFFF	256	6	3600
		1000332	56340.15	HRII	ALFFF	256	6	3600
		1000333	56403.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000334	56466.15	HRII	ALFFF	256	6	3600
		1000335	56529.15	HRII	ALFFF	256	6	3600
		1000336	56592.15	HRII	ALFFF	256	6	3600
		1000337	56655.15	HRII	ALFFF	256	6	3600
		1000338	56718.15	HRII	ALFFF	256	6	3600
		1000339	56781.15	HRII	ALFFF	256	6	3600
		1000340	56844.15	HRII	ALFFF	256	6	3600
		1000341	56907.15	HRII	ALFFF	256	6	3600
		1000342	56970.15	HRII	ALFFF	256	6	3600
		1000343	57033.15	HRII	ALFFF	256	6	3600
		1000344	57096.15	HRII	ALFFF	256	6	3600
		1000345	57159.15	HRII	ALFFF	256	6	3600
		1000346	57222.15	HRII	ALFFF	256	6	3600
		1000347	57285.15	HRII	ALFFF	256	6	3600
		1000348	57348.15	HRII	ALFFF	256	6	3600
		1000349	57411.15	HRII	ALFFF	256	6	3600
		1000350	57474.15	HRII	ALFFF	256	6	3600
		1000351	57537.15	HRII	ALFFF	256	6	3600
		1000352	57600.15	HRII	ALFFF	256	6	3600
		1000353	57663.15	HRII	ALFFF	256	6	3600
		1000354	57726.15	HRII	ALFFF	256	6	3600
		1000355	57789.15	HRII	ALFFF	256	6	3600
		1000356	57852.15	HRII	ALFFF	256	6	3600
		1000357	57915.15	HRII	ALFFF	256	6	3600
		1000358	57978.15	HRII	ALFFF	256	6	3600
		1000359	58041.15	HRII	ALFFF	256	6	3600
		1000360	58104.15	HRII	ALFFF	256	6	3600
		1000361	58167.15	HRII	ALFFF	256	6	3600
		1000362	58230.15	HRII	ALFFF	256	6	3600
		1000363	58293.15	HRII	ALFFF	256	6	3600
		1000364	58356.15	HRII	ALFFF	256	6	3600
		1000365	58419.15	HRII	ALFFF	256	6	3600
		1000366	58482.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000367	58545.15	HRII	ALFFF	256	6	3600
		1000368	58608.15	HRII	ALFFF	256	6	3600
		1000369	58671.15	HRII	ALFFF	256	6	3600
		1000370	58734.15	HRII	ALFFF	256	6	3600
		1000371	58797.15	HRII	ALFFF	256	6	3600
		1000372	58860.15	HRII	ALFFF	256	6	3600
		1000373	58923.15	HRII	ALFFF	256	6	3600
		1000374	58986.15	HRII	ALFFF	256	6	3600
		1000375	59049.15	HRII	ALFFF	256	6	3600
		1000376	59112.15	HRII	ALFFF	256	6	3600
		1000377	59175.15	HRII	ALFFF	256	6	3600
		1000378	59238.15	HRII	ALFFF	256	6	3600
		1000379	59301.15	HRII	ALFFF	256	6	3600
		1000380	59364.15	HRII	ALFFF	256	6	3600
		1000381	59427.15	HRII	ALFFF	256	6	3600
		1000382	59490.15	HRII	ALFFF	256	6	3600
		1000383	59553.15	HRII	ALFFF	256	6	3600
		1000384	59616.15	HRII	ALFFF	256	6	3600
		1000385	59679.15	HRII	ALFFF	256	6	3600
		1000386	59742.15	HRII	ALFFF	256	6	3600
		1000387	59805.15	HRII	ALFFF	256	6	3600
		1000388	59868.15	HRII	ALFFF	256	6	3600
		1000389	59931.15	HRII	ALFFF	256	6	3600
		1000390	59994.15	HRII	ALFFF	256	6	3600
		1000391	60057.15	HRII	ALFFF	256	6	3600
		1000392	60120.15	HRII	ALFFF	256	6	3600
		1000393	60183.15	HRII	ALFFF	256	6	3600
		1000394	60246.15	HRII	ALFFF	256	6	3600
		1000395	60309.15	HRII	ALFFF	256	6	3600
		1000396	60372.15	HRII	ALFFF	256	6	3600
		1000397	60435.15	HRII	ALFFF	256	6	3600
		1000398	60498.15	HRII	ALFFF	256	6	3600
		1000399	60561.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000400	60624.15	HRII	ALFFF	256	6	3600
		1000401	60687.15	HRII	ALFFF	256	6	3600
		1000402	60750.15	HRII	ALFFF	256	6	3600
		1000403	60813.15	HRII	ALFFF	256	6	3600
		1000404	60876.15	HRII	ALFFF	256	6	3600
		1000405	60939.15	HRII	ALFFF	256	6	3600
		1000406	61002.15	HRII	ALFFF	256	6	3600
		1000407	61065.15	HRII	ALFFF	256	6	3600
		1000408	61128.15	HRII	ALFFF	256	6	3600
		1000409	61191.15	HRII	ALFFF	256	6	3600
		1000410	61254.15	HRII	ALFFF	256	6	3600
		1000411	61317.15	HRII	ALFFF	256	6	3600
		1000412	61380.15	HRII	ALFFF	256	6	3600
		1000413	61443.15	HRII	ALFFF	256	6	3600
		1000414	61506.15	HRII	ALFFF	256	6	3600
		1000415	61569.15	HRII	ALFFF	256	6	3600
		1000416	61632.15	HRII	ALFFF	256	6	3600
		1000417	61695.15	HRII	ALFFF	256	6	3600
		1000418	61758.15	HRII	ALFFF	256	6	3600
		1000419	61821.15	HRII	ALFFF	256	6	3600
		1000420	61884.15	HRII	ALFFF	256	6	3600
		1000421	61947.15	HRII	ALFFF	256	6	3600
		1000422	62010.15	HRII	ALFFF	256	6	3600
		1000423	62073.15	HRII	ALFFF	256	6	3600
		1000424	62136.15	HRII	ALFFF	256	6	3600
		1000425	62199.15	HRII	ALFFF	256	6	3600
		1000426	62262.15	HRII	ALFFF	256	6	3600
		1000427	62325.15	HRII	ALFFF	256	6	3600
		1000428	62388.15	HRII	ALFFF	256	6	3600
		1000429	62451.15	HRII	ALFFF	256	6	3600
		1000430	62514.15	HRII	ALFFF	256	6	3600
		1000431	62577.15	HRII	ALFFF	256	6	3600
		1000432	62640.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000433	62703.15	HRII	ALFFF	256	6	3600
		1000434	62766.15	HRII	ALFFF	256	6	3600
		1000435	62829.15	HRII	ALFFF	256	6	3600
		1000436	62892.15	HRII	ALFFF	256	6	3600
		1000437	62955.15	HRII	ALFFF	256	6	3600
		1000438	63018.15	HRII	ALFFF	256	6	3600
		1000439	63081.15	HRII	ALFFF	256	6	3600
		1000440	63144.15	HRII	ALFFF	256	6	3600
		1000441	63207.15	HRII	ALFFF	256	6	3600
		1000442	63270.15	HRII	ALFFF	256	6	3600
		1000443	63333.15	HRII	ALFFF	256	6	3600
		1000444	63396.15	HRII	ALFFF	256	6	3600
		1000445	63459.15	HRII	ALFFF	256	6	3600
		1000446	63522.15	HRII	ALFFF	256	6	3600
		1000447	63585.15	HRII	ALFFF	256	6	3600
		1000448	63648.15	HRII	ALFFF	256	6	3600
		1000449	63711.15	HRII	ALFFF	256	6	3600
		1000450	63774.15	HRII	ALFFF	256	6	3600
		1000451	63837.15	HRII	ALFFF	256	6	3600
		1000452	63900.15	HRII	ALFFF	256	6	3600
		1000453	63963.15	HRII	ALFFF	256	6	3600
		1000454	64026.15	HRII	ALFFF	256	6	3600
		1000455	64089.15	HRII	ALFFF	256	6	3600
		1000456	64152.15	HRII	ALFFF	256	6	3600
		1000457	64215.15	HRII	ALFFF	256	6	3600
		1000458	64278.15	HRII	ALFFF	256	6	3600
		1000459	64341.15	HRII	ALFFF	256	6	3600
		1000460	64404.15	HRII	ALFFF	256	6	3600
		1000461	64467.15	HRII	ALFFF	256	6	3600
		1000462	64530.15	HRII	ALFFF	256	6	3600
		1000463	64593.15	HRII	ALFFF	256	6	3600
		1000464	64656.15	HRII	ALFFF	256	6	3600
		1000465	64719.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000466	64782.15	HRII	ALFFF	256	6	3600
		1000467	64845.15	HRII	ALFFF	256	6	3600
		1000468	64908.15	HRII	ALFFF	256	6	3600
		1000469	64971.15	HRII	ALFFF	256	6	3600
		1000470	65034.15	HRII	ALFFF	256	6	3600
		1000471	65097.15	HRII	ALFFF	256	6	3600
		1000472	65160.15	HRII	ALFFF	256	6	3600
		1000473	65223.15	HRII	ALFFF	256	6	3600
		1000474	65286.15	HRII	ALFFF	256	6	3600
		1000475	65349.15	HRII	ALFFF	256	6	3600
		1000476	65412.15	HRII	ALFFF	256	6	3600
		1000477	65475.15	HRII	ALFFF	256	6	3600
		1000478	65538.15	HRII	ALFFF	256	6	3600
		1000479	65601.15	HRII	ALFFF	256	6	3600
		1000480	65664.15	HRII	ALFFF	256	6	3600
		1000481	65727.15	HRII	ALFFF	256	6	3600
		1000482	65790.15	HRII	ALFFF	256	6	3600
		1000483	65853.15	HRII	ALFFF	256	6	3600
		1000484	65916.15	HRII	ALFFF	256	6	3600
		1000485	65979.15	HRII	ALFFF	256	6	3600
		1000486	66042.15	HRII	ALFFF	256	6	3600
		1000487	66105.15	HRII	ALFFF	256	6	3600
		1000488	66168.15	HRII	ALFFF	256	6	3600
		1000489	66231.15	HRII	ALFFF	256	6	3600
		1000490	66294.15	HRII	ALFFF	256	6	3600
		1000491	66357.15	HRII	ALFFF	256	6	3600
		1000492	66420.15	HRII	ALFFF	256	6	3600
		1000493	66483.15	HRII	ALFFF	256	6	3600
		1000494	66546.15	HRII	ALFFF	256	6	3600
		1000495	66609.15	HRII	ALFFF	256	6	3600
		1000496	66672.15	HRII	ALFFF	256	6	3600
		1000497	66735.15	HRII	ALFFF	256	6	3600
		1000498	66798.15	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - HRII Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1000499	66861.15	HRII	ALFFF	256	6	3600
		1000500	66924.15	HRII	ALFFF	256	6	3600
		1000501	66987.15	HRII	ALFFF	256	6	3600
		1000502	67050.15	HRII	ALFFF	256	6	3600
		1000503	67113.15	HRII	ALFFF	256	6	3600
		1000504	67176.15	HRII	ALFFF	256	6	3600
		1000505	67239.15	HRII	ALFFF	256	6	3600
		1000506	67302.15	HRII	ALFFF	256	6	3600
		1000507	67365.15	HRII	ALFFF	256	6	3600
		1000508	67428.15	HRII	ALFFF	256	6	3600
		1000509	67491.15	HRII	ALFFF	256	6	3600
		1000510	67554.15	HRII	ALFFF	256	6	3600
		1000511	67617.15	HRII	ALFFF	256	6	3600
		1000512	67680.15	HRII	ALFFF	256	6	3600
		1000513	67743.15	HRII	ALFFF	256	6	3600
		1000514	67806.15	HRII	ALFFF	256	6	3600
		1000515	67869.15	HRII	ALFFF	256	6	3600
		1000516	67932.15	HRII	ALFFF	256	6	3600
		1000517	67995.15	HRII	ALFFF	256	6	3600
		1000518	68058.15	HRII	ALFFF	256	6	3600
		1000519	FALSE	HRII	ALFFF	256	6	3600

EPOXI HRII Lunar Radiometry and Anti-Saturation Filter Calibration, Part B: 09 Jun 2009 - MRI Scan Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Size	Inst Mode	Num. of Images	TRUE EXP Dur (ms)	FW No.
Lunar calibration	IR ASF scan context	1000300	54358.98	MRI	512	2	1	10	1
	IR ASF scan context	1000301	55555.98	MRI	512	2	1	10	1
	IR ASF scan context	1000302	56878.98	MRI	512	2	1	10	1
	IR ASF scan context	1000303	58075.98	MRI	512	2	1	10	1
	IR ASF scan context	1000304	59398.98	MRI	512	2	1	10	1
	IR ASF scan context	1000305	60595.98	MRI	512	2	1	10	1
	IR ASF scan context	1000306	61918.98	MRI	512	2	1	10	1
	IR ASF scan context	1000307	63115.98	MRI	512	2	1	10	1
	IR ASF scan context	1000308	64438.98	MRI	512	2	1	10	1
	IR ASF scan context	1000309	65635.98	MRI	512	2	1	10	1
	IR ASF scan context	1000310	66958.98	MRI	512	2	1	10	1
	IR ASF scan context	1000311	68155.98	MRI	512	2	1	10	1

EPOXI HRII Lunar South Pole Radiometry Calibration: 18 Dec 2009 - Pointing and HRII Scan Descriptions

Comments	HRII Exp ID	Sequence Time (sec)	Description
To Moon		0.00	Slew to point 675 urad from Moon photometric equator and 705 urad toward the Sun from the center of the lit crescent. Allow 20 min to settle and for ACS filters to converge.
IR Moon Radiometry	1000000	3000.00	Scan across the Moon cross-slit (at 13.86963 urad/s rate for 96 s)
IR Moon Radiometry	1000001	3100.00	Repeat scan centered on lit crescent (at 13.86963 urad/s rate for 96 s)
IR Moon Radiometry	1000002	3208.00	Repeat scan 470 urad anti-Sunward from the center of the lit crescent (13.86963 urad/s rate for 96 s)
IR Moon Radiometry		3316.00	Stop scan
Back to cruise att		3424.00	
To None		3425.00	

EPOXI HRII Lunar South Pole Radiometry Calibration: 18 Dec 2009 - HRII Sequence

Mission	Comments	EXP_ID	Sequence Time	Instrument	Image	Image	Num. of	TRUE
Timeline			(sec)	ID	Mode	Size	Images	EXP Dur (ms)
Lunar radiometry	Radiometry; N/S scan	1000000	3002.00	HRII	BINSF2	64	135	721
	Radiometry; N/S scan	1000001	3110.00	HRII	BINSF2	64	135	721
	Radiometry; N/S scan	1000002	3218.00	HRII	BINSF2	64	135	721

EPOXI HR II Lunar South Pole Radiometry Calibration: 18 Dec 2009 - MRI Sequence

Mission	Comments	EXP_ID	Sequence Time	Instrument	Image	Inst	Num. of	TRUE	FW
Timeline			(sec)	ID	Size	Mode	Images	EXP Dur (ms)	No.
Lunar radiometry	IR scan context images	1000000	3038.05	MRI	512	2	1	10	1
	IR scan context images	1000001	3146.05	MRI	512	2	1	10	1
	IR scan context images	1000002	3254.05	MRI	512	2	1	10	1