

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Final encounter parameters from Shyam Bhaskaram, Dec 14 2010:

Notes:

- Image directions in Comments are with respect to *science orientation* with sun to right; Rotate 90-degree clockwise to match archive orientation (sun is down).
- Dark frames are in EPOXI raw MRI calibrations dataset DIF-CAL-MRI-2-EPOXI-CALIBRATIONS-V2.0
- Exp IDs are color-coded for data quality:

Green = good (i.e., comet in the frame as intended or a darks looks like a dark)

Red = missing (i.e., exposure ID never received on the ground)

Yellow = partially or fully corrupted (use with caution; see comments for usability)

Orange = use with caution; part or all of nucleus/comet is not in the frame as intended see comments for usability; see comments.

CA = 694.3 km
 Speed = 12.3196 km/s
 Phase @ CA = 79.7 deg
 Time of CA = 13:59:45 UTC (predicted =
 Frac Time = 0.9 sec 13:59:28.8)
 Time-Predict 1.5 sec

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
E-18hr	4000100	1	good		-64517.55	256	3	15000	1	CLEAR1		Non-Comp		-64519.05	794849.2	7948.5
	4000101	1	good		-64501.92	256	3	60000	1	CLEAR1		Non-Comp		-64503.42	794656.7	7946.6
	4000102	1	good		-64441.29	256	3	400000	2	C2		Non-Comp		-64442.79	793909.8	7939.1
	4000103	1	good		-64039.57	256	3	400000	7	CN		Non-Comp		-64041.07	788960.6	7889.6
	4000104	1	good		-63633.44	256	3	400000	9	OH		Non-Comp		-63634.94	783957.3	7839.6
	4000105	1	good		-63230.61	256	3	400000	9	OH		Non-Comp		-63232.11	778994.6	7789.9
Dark	4000107	1	good		-62684.45	256	3	60000	1	CLEAR1	Dark	Non-Comp		-62685.95	772266.2	7722.7
E-17.5hr	4000108	1	good		-62617.55	256	3	14000	1	CLEAR1		Non-Comp		-62619.05	771442.0	7714.4
	4000109	1	good		-62602.92	256	3	60000	1	CLEAR1		Non-Comp		-62604.42	771261.8	7712.6
E-17hr	4000110	1	good		-60917.55	256	3	14000	1	CLEAR1		Non-Comp		-60919.05	750498.7	7505.0
	4000111	1	good		-60902.92	256	3	60000	1	CLEAR1		Non-Comp		-60904.42	750318.4	7503.2
	4000112	1	good		-60842.29	256	3	400000	2	C2		Non-Comp		-60843.79	749571.5	7495.7
	4000113	1	good		-60440.57	256	3	400000	7	CN		Non-Comp		-60442.07	744622.4	7446.2
	4000114	1	good		-60034.44	256	3	400000	9	OH		Non-Comp		-60035.94	739619.1	7396.2
	4000115	1	good		-59631.61	256	3	400000	9	OH		Non-Comp		-59633.11	734656.4	7346.6
Dark	4000117	1	good		-59089.45	256	3	60000	1	CLEAR1	Dark	Non-Comp		-59090.95	727977.2	7279.8
E-16.5hr	4000118	1	good		-59027.55	256	3	13000	1	CLEAR1		Non-Comp		-59029.05	727214.6	7272.1
	4000119	1	good		-59013.92	256	3	60000	1	CLEAR1		Non-Comp		-59015.42	727046.7	7270.5
E-16hr	4000120	1	good		-57317.55	256	3	13000	1	CLEAR1		Non-Comp		-57319.05	706148.1	7061.5
	4000121	1	good		-57303.92	256	3	60000	1	CLEAR1		Non-Comp		-57305.42	705980.2	7059.8

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	4000122	1	good		-57243.29	256	3	400000	2	C2		Non-Comp		-57244.79	705233.3	7052.3
	4000123	1	good		-56841.57	256	3	400000	7	CN		Non-Comp		-56843.07	700284.2	7002.8
	4000124	1	good		-56435.44	256	3	400000	9	OH		Non-Comp		-56436.94	695280.9	6952.8
	4000125	1	good		-56032.61	256	3	400000	9	OH		Non-Comp		-56034.11	690318.2	6903.2
Dark	4000127	1	good		-55494.45	256	3	60000	1	CLEAR1	Dark	Non-Comp		-55495.95	683688.3	6836.9
E-15.5hr	4000128	1	good		-55427.55	256	3	12000	1	CLEAR1		Non-Comp		-55429.05	682864.1	6828.6
	4000129	1	good		-55414.92	256	3	60000	1	CLEAR1		Non-Comp		-55416.42	682708.5	6827.1
E-15hr	4000130	1	good		-53717.55	256	3	12000	1	CLEAR1		Non-Comp		-53719.05	661797.6	6618.0
	4000131	1	good		-53704.92	256	3	60000	1	CLEAR1		Non-Comp		-53706.42	661642.0	6616.4
	4000132	1	good		-53644.29	256	3	400000	2	C2		Non-Comp		-53645.79	660895.1	6609.0
	4000133	1	good		-53242.57	256	3	400000	7	CN		Non-Comp		-53244.07	655946.0	6559.5
	4000134	1	good		-52836.44	256	3	400000	9	OH		Non-Comp		-52837.94	650942.6	6509.4
	4000135	1	good		-52433.61	256	3	400000	9	OH		Non-Comp		-52435.11	645980.0	6459.8
Dark	4000137	1	good		-51899.45	256	3	60000	1	CLEAR1	Dark	Non-Comp		-51900.95	639399.4	6394.0
E-14.5hr	4000138	1	good		-51837.55	256	3	11000	1	CLEAR1		Non-Comp		-51839.05	638636.7	6386.4
	4000139	1	good		-51825.92	256	3	60000	1	CLEAR1		Non-Comp		-51827.42	638493.5	6384.9
E-14hr	4000300	1	good		-50215.56	256	3	11000	1	CLEAR1		Non-Comp		-50217.06	618654.4	6186.5
	4000301	1	good		-50203.93	256	3	60000	1	CLEAR1		Non-Comp		-50205.43	618511.2	6185.1
	4000302	1	good		-50143.30	256	3	300000	2	C2		Non-Comp		-50144.80	617764.3	6177.6
	4000303	1	good		-49841.57	256	3	300000	3	GREEN_CONT		Non-Comp		-49843.07	614047.1	6140.5
	4000304	1	good		-49539.84	256	3	360000	7	CN		Non-Comp		-49541.34	610329.9	6103.3
	4000305	1	good		-49174.82	256	3	300000	8	VIOLET_CONT		Non-Comp		-49176.32	605832.9	6058.3
	4000306	1	good		-48873.09	256	3	360000	9	OH		Non-Comp		-48874.59	602115.8	6021.2
Dark	4000308	1	good		-48381.83	256	3	60000	1	CLEAR1	Dark	Non-Comp		-48383.33	596063.7	5960.6

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E-13.5hr	4000309	1	good		-48315.56	256	3	10000	1	CLEAR1		Non-Comp		-48317.06	595247.2	5952.5
	4000310	1	good		-48304.93	256	3	60000	1	CLEAR1		Non-Comp		-48306.43	595116.3	5951.2
E-13hr	4000311	1	good		-46615.56	256	3	10000	1	CLEAR1		Non-Comp		-46617.06	574303.9	5743.0
	4000312	1	good		-46604.93	256	3	60000	1	CLEAR1		Non-Comp		-46606.43	574173.0	5741.7
	4000313	1	good		-46544.30	256	3	400000	2	C2		Non-Comp		-46545.80	573426.1	5734.3
	4000314	1	good		-46142.57	256	3	400000	7	CN		Non-Comp		-46144.07	568476.9	5684.8
	4000315	1	good		-45736.44	256	3	400000	9	OH		Non-Comp		-45737.94	563473.6	5634.7
	4000316	1	good		-45333.62	256	3	400000	9	OH		Non-Comp		-45335.12	558510.9	5585.1
Dark	4000318	1	good		-44807.46	256	3	60000	1	CLEAR1	Dark	Non-Comp		-44808.96	552028.9	5520.3
E-12.5hr	4000319	1	good		-44745.56	256	3	9000	1	CLEAR1		Non-Comp		-44747.06	551266.3	5512.7
	4000320	1	good		-44735.93	256	3	60000	1	CLEAR1		Non-Comp		-44737.43	551147.6	5511.5
Context image	4000321	1	caution	horizontal striping	-42852.55	256	3	9000	1	CLEAR1		Compress		-42854.05	527945.2	5279.5
Context image	4000322	1	caution	horizontal striping	-42719.83	256	3	9000	1	CLEAR1		Compress		-42721.33	526310.2	5263.1
E-12hr	4000323	1	good		-42652.11	256	3	9000	1	CLEAR1		Non-Comp		-42653.61	525475.9	5254.8
	4000324	1	good		-42642.48	256	3	60000	1	CLEAR1		Non-Comp		-42643.98	525357.3	5253.6
	4000325	1	good		-42581.85	256	3	400000	2	C2		Non-Comp		-42583.35	524610.4	5246.1
	4000326	1	good		-42180.13	256	3	400000	7	CN		Non-Comp		-42181.63	519661.2	5196.6
	4000327	1	good		-41774.00	256	3	400000	9	OH		Non-Comp		-41775.50	514657.9	5146.6
	4000328	1	good		-41371.17	256	3	400000	9	OH		Non-Comp		-41372.67	509695.2	5097.0
Dark	4000330	1	good		-40849.01	256	3	60000	1	CLEAR1	Dark	Non-Comp		-40850.51	503262.5	5032.6
E-11.5hr	4000331	1	good		-40782.11	256	3	8000	1	CLEAR1		Non-Comp		-40783.61	502438.3	5024.4
	4000332	1	good		-40773.48	256	3	60000	1	CLEAR1		Non-Comp		-40774.98	502332.0	5023.3
E-11hr	4000333	1	good		-39415.56	256	3	8000	1	CLEAR1		Non-Comp		-39417.06	485602.9	4856.0
	4000334	1	good		-39406.93	256	3	60000	1	CLEAR1		Non-Comp		-39408.43	485496.6	4855.0

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	4000335	1	good		-39346.30	256	3	400000	2	C2		Non-Comp		-39347.80	484749.6	4847.5
	4000336	1	good		-38944.57	256	3	400000	7	CN		Non-Comp		-38946.07	479800.5	4798.0
	4000337	1	good		-38538.44	256	3	400000	9	OH		Non-Comp		-38539.94	474797.2	4748.0
	4000338	1	good		-38135.62	256	3	400000	9	OH		Non-Comp		-38137.12	469834.5	4698.3
Dark	4000340	1	good		-37617.46	256	3	60000	1	CLEAR1	Dark	Non-Comp		-37618.96	463451.0	4634.5
E-10.5hr	4000341	1	good		-37555.56	256	3	7000	1	CLEAR1		Non-Comp		-37557.06	462688.4	4626.9
	4000342	1	good		-37547.93	256	3	60000	1	CLEAR1		Non-Comp		-37549.43	462594.4	4625.9
E-10hr	4000500	1	good		-35859.56	256	3	7000	1	CLEAR1		Non-Comp		-35861.06	441794.4	4417.9
	4000501	1	good		-35851.93	256	3	60000	1	CLEAR1		Non-Comp		-35853.43	441700.4	4417.0
	4000502	1	good		-35791.30	256	3	400000	2	C2		Non-Comp		-35792.80	440953.5	4409.5
	4000503	1	good		-35389.57	256	3	400000	7	CN		Non-Comp		-35391.07	436004.4	4360.0
	4000504	1	good		-34983.44	256	3	400000	9	OH		Non-Comp		-34984.94	431001.1	4310.0
	4000505	1	good		-34580.62	256	3	400000	9	OH		Non-Comp		-34582.12	426038.4	4260.4
Dark	4000507	1	good		-34066.46	256	3	60000	1	CLEAR1	Dark	Non-Comp		-34067.96	419704.2	4197.0
E-9.5hr	4000508	1	good		-33999.56	256	3	6000	1	CLEAR1		Non-Comp		-34001.06	418880.0	4188.8
	4000509	1	good		-33992.93	256	3	60000	1	CLEAR1		Non-Comp		-33994.43	418798.3	4188.0
E-9hr	4000510	1	good		-32259.56	256	3	6000	1	CLEAR1		Non-Comp		-32261.06	397443.9	3974.4
	4000511	1	good		-32252.93	256	3	60000	1	CLEAR1		Non-Comp		-32254.43	397362.3	3973.6
	4000512	1	good		-32192.30	256	3	400000	2	C2		Non-Comp		-32193.80	396615.3	3966.2
	4000513	1	good		-31790.57	256	3	400000	7	CN		Non-Comp		-31792.07	391666.2	3916.7
	4000514	1	good		-31384.44	256	3	400000	9	OH		Non-Comp		-31385.94	386662.9	3866.6
	4000515	1	good		-30981.62	256	3	400000	9	OH		Non-Comp		-30983.12	381700.2	3817.0
Dark	4000517	1	good		-30471.46	256	3	60000	1	CLEAR1	Dark	Non-Comp		-30472.96	375415.3	3754.2
E-8.5hr	4000518	1	good		-30409.56	256	3	5000	1	CLEAR1		Non-Comp		-30411.06	374652.7	3746.5

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	4000519	1	good		-30403.93	256	3	50000	1	CLEAR1		Non-Comp		-30405.43	374583.3	3745.8
E-8hr	4000520	1	good		-28625.55	256	3	5000	1	CLEAR1		Non-Comp		-28627.05	352674.5	3526.7
	4000521	1	good		-28619.92	256	3	50000	1	CLEAR1		Non-Comp		-28621.42	352605.2	3526.1
	4000522	1	good		-28569.29	256	3	400000	2	C2		Non-Comp		-28570.79	351981.4	3519.8
	4000523	1	good		-28167.57	256	3	400000	7	CN		Non-Comp		-28169.07	347032.3	3470.3
	4000524	1	good		-27761.44	256	3	400000	9	OH		Non-Comp		-27762.94	342029.0	3420.3
	4000525	1	good		-27358.61	256	3	400000	9	OH		Non-Comp		-27360.11	337066.3	3370.7
Dark	4000527	1	good		-26852.45	256	3	50000	1	CLEAR1	Dark	Non-Comp		-26853.95	330830.7	3308.3
E-7.5hr	4000528	1	good		-26795.55	256	3	4000	1	CLEAR1		Non-Comp		-26797.05	330129.7	3301.3
	4000529	1	good		-26790.92	256	3	40000	1	CLEAR1		Non-Comp		-26792.42	330072.7	3300.7
E-7hr	4000530	1	good		-25025.55	256	3	4000	1	CLEAR1		Non-Comp		-25027.05	308324.0	3083.2
	4000531	1	good		-25020.92	256	3	40000	1	CLEAR1		Non-Comp		-25022.42	308267.0	3082.7
	4000532	1	good		-24980.29	256	3	400000	2	C2		Non-Comp		-24981.79	307766.5	3077.7
	4000533	1	good		-24578.57	256	3	400000	7	CN		Non-Comp		-24580.07	302817.4	3028.2
	4000534	1	good		-24172.44	256	3	400000	9	OH		Non-Comp		-24173.94	297814.1	2978.1
	4000535	1	good		-23769.61	256	3	400000	9	OH		Non-Comp		-23771.11	292851.4	2928.5
Dark	4000537	1	good		-23267.45	256	3	40000	1	CLEAR1	Dark	Non-Comp		-23268.95	286665.0	2866.7
E-6.5hr	4000538	1	good		-23225.55	256	3	3000	1	CLEAR1		Non-Comp		-23227.05	286148.8	2861.5
	4000539	1	good		-23221.92	256	3	30000	1	CLEAR1		Non-Comp		-23223.42	286104.1	2861.0
E-6hr	4000600	1	good		-21461.55	256	3	3000	1	CLEAR1		Non-Comp		-21463.05	264417.1	2644.2
	4000601	1	good		-21457.92	256	3	30000	1	CLEAR1		Non-Comp		-21459.42	264372.4	2643.7
	4000602	1	good		-21427.29	256	3	400000	2	C2		Non-Comp		-21428.79	263995.1	2640.0
	4000603	1	good		-21025.57	256	3	400000	7	CN		Non-Comp		-21027.07	259046.0	2590.5
	4000604	1	good		-20619.44	256	3	400000	9	OH		Non-Comp		-20620.94	254042.7	2540.4

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	4000605	1	good		-20216.61	256	3	400000	9	OH		Non-Comp		-20218.11	249080.0	2490.8
Dark	4000607	1	good		-19718.45	256	3	30000	1	CLEAR1	Dark	Non-Comp		-19719.95	242942.9	2429.4
E-5.5hr	4000608	1	good		-19661.55	256	3	2500	1	CLEAR1		Non-Comp		-19663.05	242241.9	2422.4
	4000609	1	good		-19658.42	256	3	25000	1	CLEAR1		Non-Comp		-19659.92	242203.4	2422.0
E-5hr	4000610	1	good		-17861.55	256	3	2500	1	CLEAR1		Non-Comp		-17863.05	220066.7	2200.7
	4000611	1	good		-17858.42	256	3	25000	1	CLEAR1		Non-Comp		-17859.92	220028.2	2200.3
	4000612	1	good		-17832.79	256	3	400000	2	C2		Non-Comp		-17834.29	219712.5	2197.1
	4000613	1	good		-17431.07	256	3	400000	7	CN		Non-Comp		-17432.57	214763.4	2147.6
	4000614	1	good		-17024.94	256	3	400000	9	OH		Non-Comp		-17026.44	209760.1	2097.6
	4000615	1	good		-16622.11	256	3	400000	9	OH		Non-Comp		-16623.61	204797.4	2048.0
Dark	4000617	1	good		-16125.95	256	3	25000	1	CLEAR1	Dark	Non-Comp		-16127.45	198685.0	1986.8
E-4.5hr	4000618	1	good		-16061.55	256	3	2000	1	CLEAR1		Non-Comp		-16063.05	197891.6	1978.9
	4000619	1	good		-16058.92	256	3	20000	1	CLEAR1		Non-Comp		-16060.42	197859.2	1978.6
E-4hr	4000620	1	good		-14261.55	256	3	2000	1	CLEAR1		Non-Comp		-14263.05	175716.5	1757.2
	4000621	1	good		-14258.92	256	3	20000	1	CLEAR1		Non-Comp		-14260.42	175684.1	1756.8
	4000622	1	good		-14238.29	256	3	300000	2	C2		Non-Comp		-14239.79	175429.9	1754.3
	4000623	1	good		-13936.57	256	3	300000	3	GREEN_CONT		Non-Comp		-13938.07	171712.8	1717.1
	4000624	1	good		-13634.84	256	3	400000	7	CN		Non-Comp		-13636.34	167995.7	1680.0
	4000625	1	good		-13229.81	256	3	300000	8	VIOLET_CONT		Non-Comp		-13231.31	163005.9	1630.1
	4000626	1	good		-12928.08	256	3	400000	9	OH		Non-Comp		-12929.58	159288.8	1592.9
Dark	4000628	1	good		-12432.82	256	3	20000	1	CLEAR1	Dark	Non-Comp		-12434.32	153187.5	1531.9
E-3.5hr	4000629	1	good		-12401.55	256	3	1600	1	CLEAR1		Non-Comp		-12403.05	152802.2	1528.0
	4000630	1	good		-12399.32	256	3	16000	1	CLEAR1		Non-Comp		-12400.82	152774.8	1527.7
E-3hr	4000631	1	good		-10594.56	256	3	1200	1	CLEAR1		Non-Comp		-10596.06	130541.1	1305.4

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4000632	1	good		-10592.73	256	3	12000	1	CLEAR1		Non-Comp		-10594.23	130518.5	1305.2
	4000633	1	good		-10580.10	256	3	400000	2	C2		Non-Comp		-10581.60	130363.0	1303.6
	4000634	1	good		-10178.38	256	3	400000	7	CN		Non-Comp		-10179.88	125413.9	1254.1
	4000635	1	good		-9772.25	256	3	400000	9	OH		Non-Comp		-9773.75	120410.7	1204.1
	4000636	1	good		-9369.42	256	3	400000	9	OH		Non-Comp		-9370.92	115448.1	1154.5
Dark	4000638	1	good		-8878.46	256	3	12000	1	CLEAR1	Dark	Non-Comp		-8879.96	109399.8	1094.0
E-2.5hr	5000000	1	good		-8794.56	256	3	800	1	CLEAR1		Non-Comp		-8796.06	108366.2	1083.7
	5000001	1	good		-8793.13	256	3	8000	1	CLEAR1		Non-Comp		-8794.63	108348.6	1083.5
E-2hr	5000002	1	good		-6994.56	256	3	300	1	CLEAR1		Non-Comp		-6996.06	86191.5	861.9
	5000003	1	good		-6993.63	256	3	3000	1	CLEAR1		Non-Comp		-6995.13	86180.0	861.8
	5000004	1	good		-6990.00	256	3	400000	2	C2		Non-Comp		-6991.50	86135.3	861.4
	5000005	1	good		-6588.28	256	3	400000	7	CN		Non-Comp		-6589.78	81186.4	811.9
	5000006	1	good		-6182.15	256	3	400000	9	OH		Non-Comp		-6183.65	76183.2	761.8
	5000007	1	good		-5779.32	256	3	400000	9	OH		Non-Comp		-5780.82	71220.8	712.2
Dark	5000009	1	good		-5291.96	256	3	3000	1	CLEAR1	Dark	Non-Comp		-5293.46	65217.0	652.2
E-1.5hr	5000010	1	good		-5278.33	256	3	150	1	CLEAR1		Non-Comp		-5279.83	65049.1	650.5
	5000011	1	good		-5277.56	256	3	1500	1	CLEAR1		Non-Comp		-5279.06	65039.6	650.4
E-1hr	5000012	1	good		-3468.76	512	2	70	1	CLEAR1		Non-Comp		-3470.26	42757.9	427.6
	5000013	1	good		-3467.76	512	2	700	1	CLEAR1		Non-Comp		-3469.26	42745.5	427.5
E-45min	5000028	1	good	begin to see nucleus shape	-2803.76	512	2	50	1	CLEAR1		Non-Comp		-2805.26	34566.7	345.7
	5000029	1	good		-2802.78	512	2	500	1	CLEAR1		Non-Comp		-2804.28	34554.5	345.5
Dark	5000030	1	good		-2791.34	512	2	50	1	CLEAR1	Dark	Non-Comp		-2792.84	34413.7	344.1
Dark	5000031	1	good		-2790.36	512	2	500	1	CLEAR1	Dark	Non-Comp		-2791.86	34401.5	344.0
Dark	5000032	1	good		-2788.92	512	2	50	1	CLEAR1	Dark	Non-Comp		-2790.42	34383.9	343.8

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
Dark	5000033	1	good		-2787.94	512	2	500	1	CLEAR1	Dark	Non-Comp		-2789.44	34371.7	343.7
E-37min	5000071	1	good		-2238.19	1024	1	50	1	CLEAR1		Non-Comp		-2239.69	27600.8	276.0
	5000072	1	good		-2236.31	1024	1	500	1	CLEAR1		Non-Comp		-2237.81	27577.6	275.8
E-30min	5000101	1	good		-1818.19	1024	1	50	1	CLEAR1		Non-Comp	0	-1819.69	22428.6	224.3
	5000102	1	good		-1816.31	1024	1	500	1	CLEAR1		Non-Comp	0	-1817.81	22405.4	224.1
E-25min	5000124	1	good		-1503.19	1024	1	50	1	CLEAR1		Compress	0	-1504.69	18550.2	185.5
	5000125	1	good		-1501.31	1024	1	500	1	CLEAR1		Compress	0	-1502.81	18527.0	185.3
	5000126	1	good		-1498.97	1024	1	7000	3	GREEN_CONT		Compress	0	-1500.47	18498.3	185.0
	5000128	1	good		-1482.73	1024	1	24000	7	CN		Compress	0	-1484.23	18298.3	183.0
E-21min	5000142	1	good		-1268.79	1024	1	50	1	CLEAR1		Compress	0	-1270.29	15664.8	156.6
	5000143	1	good		-1266.90	1024	1	500	1	CLEAR1		Compress	0	-1268.40	15641.6	156.4
E-18min	5000155	1	good		-1102.49	1024	1	50	1	CLEAR1		Compress	0	-1103.99	13618.4	136.2
	5000156	1	good		-1100.60	1024	1	500	1	CLEAR1		Compress	0	-1102.10	13595.2	136.0
E-16min	5002000	1	good		-953.49	1024	1	50	1	CLEAR1		Non-Comp		-954.99	11785.5	117.9
	5002001	1	good		-951.60	1024	1	500	1	CLEAR1		Non-Comp		-953.10	11762.4	117.6
Dark	5002002	1	good		-939.27	1024	1	50	1	CLEAR1	Dark	Non-Comp		-940.77	11610.7	116.1
Dark	5002003	1	good		-937.39	1024	1	500	1	CLEAR1	Dark	Non-Comp		-938.89	11587.6	115.9
Dark	5002004	1	caution		-935.06	1024	1	50	1	CLEAR1	Dark	Non-Comp		-936.56	11558.9	115.6
Dark	5002005	1	good		-933.18	1024	1	500	1	CLEAR1	Dark	Non-Comp		-934.68	11535.7	115.4
E-13.5min	5002014	1	good		-813.72	1024	1	50	1	CLEAR1		Compress	0	-815.22	10067.2	100.7
	5002015	1	good		-811.84	1024	1	500	1	CLEAR1		Compress	0	-813.34	10044.1	100.4
E-11min	5002024	1	good		-695.78	1024	1	50	1	CLEAR1		Non-Comp		-697.28	8618.2	86.2
	5002025	1	caution	edge beneath CCDs bright	-693.90	1024	1	500	1	CLEAR1		Non-Comp		-695.40	8595.1	86.0
	5002027	1	good		-684.15	1024	1	20000	9	OH		Compress	0	-685.65	8475.4	84.8

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	5002029	1	good		-653.81	1024	1	30000	8	VIOLET_CONT		Compress	0	-655.31	8102.9	81.0
	5002031	1	caution	dark stripe beneath 2 upper CCDs	-615.66	1024	1	24000	7	CN		Compress	0	-617.16	7634.8	76.3
	5002033	1	good		-585.72	1024	1	1500	5	IR		Compress	0	-587.22	7267.6	72.7
	5002034	1	good		-581.29	1024	1	450	4	RED		Compress	0	-582.79	7213.2	72.1
	5002035	1	good		-577.91	1024	1	7000	3	GREEN_CONT		Compress	0	-579.41	7171.7	71.7
	5002036	1	good		-567.97	1024	1	3400	2	C2		Compress	0	-569.47	7050.0	70.5
E-8.5min	5002038	1	good		-558.63	1024	1	50	1	CLEAR1		Compress	0	-560.13	6935.4	69.4
	5002039	1	good		-556.75	1024	1	500	1	CLEAR1		Compress	0	-558.25	6912.3	69.1
E-6.5min	5002050	1	good		-415.63	1024	1	50	1	CLEAR1		Non-Comp		-417.13	5185.5	51.9
	5002051	1	good		-413.74	1024	1	500	1	CLEAR1		Non-Comp		-415.24	5162.5	51.6
	5002054	1	good		-384.50	1024	1	3400	2	C2		Compress	0	-386.00	4805.8	48.1
	5002055	1	caution	smearred	-378.17	1024	1	1700	5	IR		Compress	0	-379.67	4728.6	47.3
	5002056	1	good		-371.34	1024	1	450	4	RED		Compress	0	-372.84	4645.4	46.5
E-5.5min	5002060	1	good		-328.04	1024	1	50	1	CLEAR1		Non-Comp	0	-329.54	4118.8	41.2
	5002061	1	good		-326.16	1024	1	500	1	CLEAR1		Non-Comp	0	-327.66	4095.9	41.0
E-4.5min	5002068	1	good		-255.92	1024	1	50	1	CLEAR1		Compress	0	-257.42	3246.4	32.5
	5002069	1	caution	very dark streak at 12:00	-254.03	1024	1	500	1	CLEAR1		Compress	0	-255.53	3223.7	32.2
E-3.5min	5004000	1	good		-198.42	1024	1	50	1	CLEAR1		Non-Comp	0	-199.92	2558.9	25.6
	5004001	1	good		-196.53	1024	1	500	1	CLEAR1		Non-Comp	0	-198.03	2536.6	25.4
E-3min	5004004	1	good		-168.49	1024	1	50	1	CLEAR1		Non-Comp		-169.99	2206.3	22.1
	5004005	1	good		-166.61	1024	1	500	1	CLEAR1		Non-Comp		-168.11	2184.3	21.8
E-2.5min	5004008	1	good		-141.36	1024	1	50	1	CLEAR1		Compress	0	-142.86	1892.0	18.9
	5004009	1	good		-139.48	1024	1	500	1	CLEAR1		Compress	0	-140.98	1870.5	18.7
E-2min	5004012	1	good		-119.24	1024	1	40	1	CLEAR1		Non-Comp	0	-120.74	1641.5	16.4

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
Nadir high res	5004014	1	good		-108.45	1024	1	120	1	CLEAR1		Non-Comp		-109.95	1522.2	15.2
Public Release	6000000	1	good	nucleus in lower right quadrant	-99.69	1024	1	40	1	CLEAR1		Non-Comp	0	-101.19	1426.9	14.3
	5004021	1	good		-88.91	1024	1	120	1	CLEAR1		Non-Comp		-90.41	1312.5	13.1
	5004023	1	good		-79.04	1024	1	40	1	CLEAR1		Non-Comp	0	-80.54	1211.0	12.1
	5004025	1	good		-69.26	1024	1	120	1	CLEAR1		Non-Comp		-70.76	1114.4	11.1
	5004027	1	good		-58.38	1024	1	40	1	CLEAR1		Non-Comp	0	-59.88	1013.1	10.1
	5004029	1	good		-53.60	1024	1	120	1	CLEAR1		Non-Comp		-55.10	971.0	9.7
	5004030	1	good		-48.65	1024	1	40	1	CLEAR1		Non-Comp	0	-50.15	929.4	9.3
	5004031	1	good		-43.87	1024	1	120	1	CLEAR1		Non-Comp		-45.37	891.3	8.9
	5004032	1	good		-38.91	1024	1	40	1	CLEAR1		Non-Comp	0	-40.41	854.4	8.5
Public Release	6000001	1	good	nucleus in lower right quadrant	-34.13	1024	1	120	1	CLEAR1		Non-Comp		-35.63	821.4	8.2
	5004040	1	good		-29.18	1024	1	40	1	CLEAR1		Non-Comp	0	-30.68	790.5	7.9
	5004041	1	good		-24.40	1024	1	120	1	CLEAR1		Non-Comp		-25.90	764.1	7.6
	5004042	1	good		-19.44	1024	1	40	1	CLEAR1		Non-Comp	0	-20.94	740.7	7.4
	5004044	1	good		-14.66	1024	1	120	1	CLEAR1		Non-Comp		-16.16	722.3	7.2
	5004045	1	good		-9.71	1024	1	40	1	CLEAR1		Non-Comp	0	-11.21	707.9	7.1
	5004046	1	good		-4.92	1024	1	120	1	CLEAR1		Non-Comp		-6.42	698.8	7.0
Public Release	6000002	1	caution	nucleus in lower right quadrant	0.04	1024	1	40	1	CLEAR1		Non-Comp	0	-1.46	694.5	6.9
	5004051	1	caution		4.82	1024	1	120	1	CLEAR1		Non-Comp		3.32	695.5	7.0
	5004052	1	good		9.77	1024	1	40	1	CLEAR1		Non-Comp	0	8.27	701.7	7.0
	5004053	1	good		14.55	1024	1	120	1	CLEAR1		Non-Comp		13.05	712.7	7.1
	5004054	1	good		19.51	1024	1	40	1	CLEAR1		Non-Comp	0	18.01	728.9	7.3
	5004056	1	good		24.29	1024	1	120	1	CLEAR1		Non-Comp		22.79	748.9	7.5
	5004057	1	good		29.24	1024	1	40	1	CLEAR1		Non-Comp	0	27.74	773.9	7.7

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	5004058	1	good		34.11	1024	1	120	1	CLEAR1		Non-Comp		32.61	802.2	8.0
	6000003	1	caution	nucleus in lower right quadrant	39.07	1024	1	40	1	CLEAR1		Non-Comp	0	37.57	834.4	8.3
	5004061	1	good		44.84	1024	1	120	1	CLEAR1		Non-Comp		43.34	875.9	8.8
	5004062	1	good		49.79	1024	1	40	1	CLEAR1		Non-Comp	0	48.29	914.3	9.1
	5004063	1	good		54.66	1024	1	120	1	CLEAR1		Non-Comp		53.16	954.5	9.5
	5004064	1	good		59.62	1024	1	40	1	CLEAR1		Non-Comp	0	58.12	997.3	10.0
	5004066	1	good		69.49	1024	1	120	1	CLEAR1		Non-Comp		67.99	1087.9	10.9
	5006000	1	good		79.44	1024	1	40	1	CLEAR1		Non-Comp	0	77.94	1184.9	11.8
	5006001	1	good		89.31	1024	1	120	1	CLEAR1		Non-Comp		87.81	1285.4	12.9
	6000004	1	good	nucleus in lower right quadrant	99.26	1024	1	40	1	CLEAR1		Non-Comp	0	97.76	1390.2	13.9
	5006011	1	good		110.14	1024	1	120	1	CLEAR1		Non-Comp		108.64	1507.7	15.1
E+2min	5006012	1	good		120.09	1024	1	40	1	CLEAR1		Non-Comp	0	118.59	1617.5	16.2
E+2.5min	5006015	1	good		136.96	1024	1	50	1	CLEAR1		Compress	0	135.46	1807.5	18.1
	5006016	1	good		142.84	1024	1	500	1	CLEAR1		Compress	0	141.34	1874.6	18.7
E+3min	5006019	1	good		165.57	1024	1	50	1	CLEAR1		Non-Comp		164.07	2137.2	21.4
	5006020	1	good		171.46	1024	1	500	1	CLEAR1		Non-Comp		169.96	2205.9	22.1
E+3.5min	5006023	1	good		203.59	1024	1	50	1	CLEAR1		Non-Comp	0	202.09	2584.6	25.8
	5006024	1	good		207.47	1024	1	500	1	CLEAR1		Non-Comp	0	205.97	2630.7	26.3
E+4.5min	5006029	1	good		260.20	1024	1	50	1	CLEAR1		Compress	0	258.70	3261.9	32.6
	5006030	1	good		266.08	1024	1	500	1	CLEAR1		Compress	0	264.58	3332.7	33.3
E+5.5min	5006036	1	good		329.72	1024	1	50	1	CLEAR1		Non-Comp	0	328.22	4102.7	41.0
	5006037	1	good		335.60	1024	1	500	1	CLEAR1		Non-Comp	0	334.10	4174.1	41.7
	5006040	1	good		363.80	1024	1	450	4	RED		Compress	0	362.30	4517.1	45.2
	5006041	1	good		369.38	1024	1	1700	5	IR		Compress	0	367.88	4585.1	45.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	5006042	1	good		374.02	1024	1	3400	2	C2		Compress	0	372.52	4641.5	46.4
E+6.5min	5006045	1	good		402.32	1024	1	50	1	CLEAR1		Non-Comp		400.82	4986.5	49.9
	5006046	1	good		404.20	1024	1	500	1	CLEAR1		Non-Comp		402.70	5009.5	50.1
E+8.5min	5006057	1	good		548.80	1024	1	50	1	CLEAR1		Compress	0	547.30	6778.2	67.8
	5006058	1	good		550.68	1024	1	500	1	CLEAR1		Compress	0	549.18	6801.3	68.0
	5006059	1	good		553.02	1024	1	3500	2	C2		Compress	0	551.52	6829.8	68.3
	5006060	1	good		559.45	1024	1	8000	3	GREEN_CONT		Compress	0	557.95	6908.7	69.1
	5006061	1	good		570.38	1024	1	500	4	RED		Compress	0	568.88	7042.7	70.4
	5006062	1	good		573.81	1024	1	1900	5	IR		Compress	0	572.31	7084.8	70.8
	5006063	1	good		578.64	1024	1	24000	7	CN		Compress	0	577.14	7144.0	71.4
	5006064	1	good		606.68	1024	1	30000	8	VIOLET_CONT		Compress	0	605.18	7487.8	74.9
	5006065	1	good		639.61	1024	1	55000	9	OH		Compress	0	638.11	7891.8	78.9
E+10min	5006066	1	good		698.02	1024	1	60	1	CLEAR1		Non-Comp		696.52	8608.8	86.1
	5006067	1	good		708.71	1024	1	600	1	CLEAR1		Non-Comp		707.21	8740.1	87.4
E+12min	5007000	1	good		789.84	1024	1	600	1	CLEAR1		Compress	0	788.34	9736.8	97.4
	5007001	1	good		792.27	1024	1	60	1	CLEAR1		Compress	0	790.77	9766.7	97.7
E+15min	5007016	1	good		926.36	1024	1	60	1	CLEAR1		Non-Comp		924.86	11415.1	114.2
	5007017	1	good		928.26	1024	1	600	1	CLEAR1		Non-Comp		926.76	11438.4	114.4
E+18min	5007032	1	good		1085.99	1024	1	60	1	CLEAR1		Compress	0	1084.49	13378.5	133.8
	5007033	1	good		1087.88	1024	1	600	1	CLEAR1		Compress	0	1086.38	13401.8	134.0
E+21min	5007045	1	good		1250.61	1024	1	60	1	CLEAR1		Compress	0	1249.11	15404.2	154.0
	5007046	1	good		1252.50	1024	1	600	1	CLEAR1		Compress	0	1251.00	15427.5	154.3
E+25min	5007062	1	good		1469.24	1024	1	8000	3	GREEN_CONT		Compress	0	1467.74	18095.3	181.0
	5007063	1	good		1481.27	1024	1	28000	7	CN		Compress	0	1479.77	18243.4	182.4

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	5007064	1	good		1515.50	1024	1	60	1	CLEAR1		Compress	0	1514.00	18664.8	186.6
	5007065	1	good		1524.00	1024	1	600	1	CLEAR1		Compress	0	1522.50	18769.4	187.7
E+30min	5007081	1	good		1819.43	1024	1	60	1	CLEAR1		Non-Comp		1817.93	22406.9	224.1
	5007082	1	good		1821.32	1024	1	600	1	CLEAR1		Non-Comp		1819.82	22430.2	224.3
E+37min	5007083	1	good		2212.75	1024	1	60	1	CLEAR1		Compress	0	2211.25	27250.6	272.5
	5007084	1	good		2214.64	1024	1	600	1	CLEAR1		Compress	0	2213.14	27273.9	272.7
E+46min	5007085	1	good		2783.08	512	2	60	1	CLEAR1		Non-Comp		2781.58	34274.9	342.7
	5007086	1	good		2784.07	512	2	600	1	CLEAR1		Non-Comp		2782.57	34287.2	342.9
Dark	5007087	1	good		2795.61	512	2	60	1	CLEAR1	Dark	Non-Comp		2794.11	34429.3	344.3
Dark	5007088	1	good		2796.60	512	2	600	1	CLEAR1	Dark	Non-Comp		2795.10	34441.5	344.4
Dark	5007089	1	good		2798.14	512	2	60	1	CLEAR1	Dark	Non-Comp		2796.64	34460.4	344.6
Dark	5007090	1	good		2799.13	512	2	600	1	CLEAR1	Dark	Non-Comp		2797.63	34472.7	344.7
E+1hr	5007091	1	good		3440.67	512	2	70	1	CLEAR1		Non-Comp		3439.17	42374.8	423.7
	5007092	1	good		3441.67	512	2	700	1	CLEAR1		Non-Comp		3440.17	42387.2	423.9
E+1.5hr	5008000	1	good		5466.44	256	3	200	1	CLEAR1		Non-Comp		5464.94	67329.5	673.3
	5008001	1	good		5467.27	256	3	2000	1	CLEAR1		Non-Comp		5465.77	67339.7	673.4
E+2hr	4000800	1	good		7284.94	256	3	500	1	CLEAR1		Non-Comp		7283.44	89731.8	897.3
	4000801	1	good		7286.07	256	3	5000	1	CLEAR1		Non-Comp		7284.57	89745.6	897.5
	4000802	1	good		7291.70	256	3	700000	2	C2		Non-Comp		7290.20	89815.0	898.1
	4000803	1	good		7993.42	256	3	700000	7	CN		Non-Comp		7991.92	98459.8	984.6
Dark	4000804	1	good		8709.55	256	3	5000	1	CLEAR1	Dark	Non-Comp		8708.05	107282.0	1072.8
E+2.5hr	4000900	1	good		9103.44	256	3	1100	1	CLEAR1		Non-Comp		9101.94	112134.4	1121.3
	4000901	1	good		9105.17	256	3	11000	1	CLEAR1		Non-Comp		9103.67	112155.7	1121.6
	4000902	1	good		9116.80	256	3	700000	9	OH		Non-Comp		9115.30	112298.9	1123.0

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4000903	1	good		9826.22	256	3	700000	9	OH		Non-Comp		9824.72	121038.7	1210.4
E+3hr	4001000	1	good		10921.94	256	3	1800	1	CLEAR1		Non-Comp		10920.44	134537.2	1345.4
	4001001	1	good		10933.17	256	3	18000	1	CLEAR1		Non-Comp		10931.67	134675.6	1346.8
	4001002	1	good		10951.80	256	3	700000	2	C2		Non-Comp		10950.30	134905.1	1349.1
	4001003	1	good		11653.52	256	3	700000	7	CN		Non-Comp		11652.02	143550.0	1435.5
Dark	4001004	1	good		12369.65	256	3	18000	1	CLEAR1	Dark	Non-Comp		12368.15	152372.3	1523.7
E+3.5hr	4001100	1	good		12740.44	256	3	2600	1	CLEAR1		Non-Comp		12738.94	156940.2	1569.4
	4001101	1	good		12743.67	256	3	26000	1	CLEAR1		Non-Comp		12742.17	156979.9	1569.8
	4001102	1	good		12770.30	256	3	700000	9	OH		Non-Comp		12768.80	157308.0	1573.1
	4001103	1	good		13479.72	256	3	700000	9	OH		Non-Comp		13478.22	166047.8	1660.5
E+4hr	4001200	1	caution	smearred, horizontally	14432.45	256	3	3200	1	CLEAR1		Non-Comp		14430.95	177784.9	1777.8
	4001201	1	caution	smearred, horizontally	14445.08	256	3	32000	1	CLEAR1		Non-Comp		14443.58	177940.5	1779.4
	4001202	1	good		14477.71	256	3	375000	9	OH		Non-Comp		14476.21	178342.4	1783.4
	4001203	1	good		14862.13	256	3	280000	8	VIOLET_CONT		Non-Comp		14860.63	183078.4	1830.8
	4001204	1	good		15143.86	256	3	375000	7	CN		Non-Comp		15142.36	186549.1	1865.5
	4001205	1	good		15520.59	256	3	280000	3	GREEN_CONT		Non-Comp		15519.09	191190.2	1911.9
	4001206	1	good		15805.62	256	3	280000	2	C2		Non-Comp		15804.12	194701.6	1947.0
Dark	4001207	1	good		16097.35	256	3	32000	1	CLEAR1	Dark	Non-Comp		16095.85	198295.6	1983.0
E+4.5hr	4001300	1	good		16232.45	256	3	3800	1	CLEAR1		Non-Comp		16230.95	199960.0	1999.6
	4001301	1	good		16236.88	256	3	38000	1	CLEAR1		Non-Comp		16235.38	200014.6	2000.1
E+5hr	4001400	1	good		18032.45	256	3	4200	1	CLEAR1		Non-Comp		18030.95	222135.2	2221.4
	4001401	1	good		18037.28	256	3	42000	1	CLEAR1		Non-Comp		18035.78	222194.7	2221.9
	4001402	1	good		18079.91	256	3	700000	2	C2		Non-Comp		18078.41	222719.8	2227.2
	4001403	1	good		18781.63	256	3	700000	7	CN		Non-Comp		18780.13	231364.8	2313.6

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
Dark	4001404	1	good		19497.76	256	3	42000	1	CLEAR1	Dark	Non-Comp		19496.26	240187.2	2401.9
E+5.5hr	4001500	1	good		19832.45	256	3	4800	1	CLEAR1		Non-Comp		19830.95	244310.4	2443.1
	4001501	1	good		19837.88	256	3	48000	1	CLEAR1		Non-Comp		19836.38	244377.2	2443.8
	4001502	1	good		19886.51	256	3	700000	9	OH		Non-Comp		19885.01	244976.3	2449.8
	4001503	1	good		20595.93	256	3	700000	9	OH		Non-Comp		20594.43	253716.1	2537.2
E+6hr	4001600	1	good		21632.45	256	3	5400	1	CLEAR1		Non-Comp		21630.95	266485.6	2664.9
	4001601	1	good		21647.28	256	3	54000	1	CLEAR1		Non-Comp		21645.78	266668.2	2666.7
	4001602	1	caution	smearred, horizontally	21701.91	256	3	700000	2	C2		Non-Comp		21700.41	267341.2	2673.4
	4001603	1	good		22403.63	256	3	700000	7	CN		Non-Comp		22402.13	275986.2	2759.9
Dark	4001604	1	good		23119.76	256	3	54000	1	CLEAR1	Dark	Non-Comp		23118.26	284808.6	2848.1
E+6.5hr	4001700	1	good		23432.45	256	3	6400	1	CLEAR1		Non-Comp		23430.95	288660.8	2886.6
	4001701	1	good		23439.48	256	3	60000	1	CLEAR1		Non-Comp		23437.98	288747.3	2887.5
	4001702	1	good		23500.11	256	3	700000	9	OH		Non-Comp		23498.61	289494.3	2894.9
	4001703	1	good		24209.53	256	3	700000	9	OH		Non-Comp		24208.03	298234.1	2982.3
E+7hr	4001800	1	good		25251.45	256	3	7000	1	CLEAR1		Non-Comp		25249.95	311070.1	3110.7
	4001801	1	good		25267.88	256	3	60000	1	CLEAR1		Non-Comp		25266.38	311272.4	3112.7
	4001802	1	good		25328.51	256	3	700000	2	C2		Non-Comp		25327.01	312019.4	3120.2
	4001803	1	good		26030.23	256	3	700000	7	CN		Non-Comp		26028.73	320664.3	3206.6
Dark	4001804	1	good		26746.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		26744.86	329486.7	3294.9
E+7.5hr	4001900	1	good		27051.45	256	3	7000	1	CLEAR1		Non-Comp		27049.95	333245.3	3332.5
	4001901	1	good		27059.08	256	3	60000	1	CLEAR1		Non-Comp		27057.58	333339.3	3333.4
	4001902	1	good		27119.71	256	3	700000	9	OH		Non-Comp		27118.21	334086.2	3340.9
	4001903	1	good		27829.13	256	3	700000	9	OH		Non-Comp		27827.63	342826.0	3428.3
E+8hr	4002000	1	good		28870.45	256	3	8000	1	CLEAR1		Non-Comp		28868.95	355654.6	3556.5

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4002001	1	good		28887.88	256	3	60000	1	CLEAR1		Non-Comp		28886.38	355869.3	3558.7
	4002002	1	good		28948.51	256	3	700000	2	C2		Non-Comp		28947.01	356616.2	3566.2
	4002003	1	good		29650.23	256	3	700000	7	CN		Non-Comp		29648.73	365261.2	3652.6
Dark	4002004	1	good		30366.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		30364.86	374083.6	3740.8
E+8.5hr	4002100	1	good		30679.95	256	3	8000	1	CLEAR1		Non-Comp		30678.45	377946.9	3779.5
	4002101	1	good		30688.58	256	3	60000	1	CLEAR1		Non-Comp		30687.08	378053.2	3780.5
	4002102	1	good		30749.21	256	3	700000	9	OH		Non-Comp		30747.71	378800.1	3788.0
	4002103	1	good		31458.63	256	3	700000	9	OH		Non-Comp		31457.13	387539.9	3875.4
E+9hr	4002200	1	good		32489.45	256	3	9000	1	CLEAR1		Non-Comp		32487.95	400239.1	4002.4
	4002201	1	good		32507.88	256	3	60000	1	CLEAR1		Non-Comp		32506.38	400466.2	4004.7
	4002202	1	good		32568.51	256	3	700000	2	C2		Non-Comp		32567.01	401213.1	4012.1
	4002203	1	good		33270.23	256	3	700000	7	CN		Non-Comp		33268.73	409858.1	4098.6
Dark	4002204	1	good		33986.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		33984.86	418680.5	4186.8
E+9.5hr	4002300	1	good		34298.95	256	3	9000	1	CLEAR1		Non-Comp		34297.45	422531.4	4225.3
	4002301	1	good		34308.58	256	3	60000	1	CLEAR1		Non-Comp		34307.08	422650.0	4226.5
	4002302	1	good		34369.21	256	3	700000	9	OH		Non-Comp		34367.71	423397.0	4234.0
	4002303	1	good		35078.63	256	3	700000	9	OH		Non-Comp		35077.13	432136.8	4321.4
E+10hr	4002400	1	good		36108.45	256	3	10000	1	CLEAR1		Non-Comp		36106.95	444823.7	4448.2
	4002401	1	good		36127.88	256	3	60000	1	CLEAR1		Non-Comp		36126.38	445063.1	4450.6
	4002402	1	good		36188.51	256	3	700000	2	C2		Non-Comp		36187.01	445810.0	4458.1
	4002403	1	good		36890.23	256	3	700000	7	CN		Non-Comp		36888.73	454455.0	4544.5
Dark	4002404	1	good		37606.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		37604.86	463277.4	4632.8
E+10.5hr	4002500	1	good		37908.45	256	3	10000	1	CLEAR1		Non-Comp		37906.95	466999.0	4670.0
	4002501	1	good		37919.08	256	3	60000	1	CLEAR1		Non-Comp		37917.58	467129.9	4671.3

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4002502	1	good		37979.71	256	3	700000	9	OH		Non-Comp		37978.21	467876.8	4678.8
	4002503	1	good		38689.13	256	3	700000	9	OH		Non-Comp		38687.63	476616.7	4766.2
E+11hr	4002600	1	good		39727.45	256	3	11000	1	CLEAR1		Non-Comp		39725.95	489408.3	4894.1
	4002601	1	good		39747.88	256	3	60000	1	CLEAR1		Non-Comp		39746.38	489660.0	4896.6
	4002602	1	good		39808.51	256	3	700000	2	C2		Non-Comp		39807.01	490406.9	4904.1
	4002603	1	good		40510.23	256	3	700000	7	CN		Non-Comp		40508.73	499051.9	4990.5
Dark	4002604	1	good		41226.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		41224.86	507874.3	5078.7
E+11.5hr	4002700	1	good		41527.45	256	3	11000	1	CLEAR1		Non-Comp		41525.95	511583.6	5115.8
	4002701	1	good		41539.08	256	3	60000	1	CLEAR1		Non-Comp		41537.58	511726.8	5117.3
	4002702	1	good		41599.71	256	3	360000	9	OH		Non-Comp		41598.21	512473.7	5124.7
Context image	4002800	1	caution	blurry jail bars, horizontal	42054.13	256	3	11000	1	CLEAR1		Compress		42052.63	518072.1	5180.7
	4002801	1	good		42121.85	256	3	395000	9	OH		Non-Comp		42120.35	518906.4	5189.1
Context image	4002900	1	caution	blurry jail bars, horizontal	42611.28	256	3	11000	1	CLEAR1		Compress		42609.78	524935.9	5249.4
	4002901	1	good		42679.00	256	3	370000	9	OH		Non-Comp		42677.50	525770.2	5257.7
E+12hr	4003000	1	good		43337.65	256	3	12000	1	CLEAR1		Non-Comp		43336.15	533884.5	5338.8
	4003001	1	good		43359.08	256	3	60000	1	CLEAR1		Non-Comp		43357.58	534148.5	5341.5
	4003002	1	good		43419.71	256	3	700000	2	C2		Non-Comp		43418.21	534895.4	5349.0
	4003003	1	good		44121.43	256	3	700000	7	CN		Non-Comp		44119.93	543540.4	5435.4
Dark	4003004	1	good		44837.56	256	3	60000	1	CLEAR1	Dark	Non-Comp		44836.06	552362.8	5523.6
E+12.5hr	4003100	1	good		45146.45	256	3	12000	1	CLEAR1		Non-Comp		45144.95	556168.2	5561.7
	4003101	1	good		45159.08	256	3	60000	1	CLEAR1		Non-Comp		45157.58	556323.7	5563.2
	4003102	1	good		45219.71	256	3	700000	9	OH		Non-Comp		45218.21	557070.6	5570.7
	4003103	1	good		45929.13	256	3	700000	9	OH		Non-Comp		45927.63	565810.5	5658.1
E+13hr	4003200	1	good		46984.45	256	3	13000	1	CLEAR1		Non-Comp		46982.95	578811.6	5788.1

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4003201	1	good		47006.88	256	3	60000	1	CLEAR1		Non-Comp		47005.38	579087.9	5790.9
	4003202	1	good		47067.51	256	3	700000	2	C2		Non-Comp		47066.01	579834.8	5798.3
	4003203	1	good		47769.23	256	3	700000	7	CN		Non-Comp		47767.73	588479.8	5884.8
Dark	4003204	1	good		48485.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		48483.86	597302.2	5973.0
E+13.5hr	4003300	1	good		48784.45	256	3	13000	1	CLEAR1		Non-Comp		48782.95	600986.8	6009.9
	4003301	1	good		48798.08	256	3	14000	1	CLEAR1		Non-Comp		48796.58	601154.7	6011.5
	4003302	1	good		48812.71	256	3	700000	9	OH		Non-Comp		48811.21	601334.9	6013.3
	4003303	1	good		49522.13	256	3	700000	9	OH		Non-Comp		49520.63	610074.8	6100.7
E+14hr	4003400	1	good		50582.45	256	3	14000	1	CLEAR1		Non-Comp		50580.95	623137.5	6231.4
	4003401	1	good		50605.88	256	3	60000	1	CLEAR1		Non-Comp		50604.38	623426.1	6234.3
	4003402	1	good		50666.51	256	3	320000	9	OH		Non-Comp		50665.01	624173.0	6241.7
	4003403	1	good		50995.93	256	3	250000	8	VIOLET_CONT		Non-Comp		50994.43	628231.4	6282.3
	4003404	1	good		51247.66	256	3	325000	7	CN		Non-Comp		51246.16	631332.6	6313.3
	4003405	1	good		51574.39	256	3	250000	3	GREEN_CONT		Non-Comp		51572.89	635357.8	6353.6
	4003406	1	good		51829.42	256	3	250000	2	C2		Non-Comp		51827.92	638499.6	6385.0
Dark	4003407	1	good		52091.15	256	3	60000	1	CLEAR1	Dark	Non-Comp		52089.65	641724.0	6417.2
E+14.5hr	4003500	1	good		52384.45	256	3	14000	1	CLEAR1		Non-Comp		52382.95	645337.4	6453.4
	4003501	1	good		52399.08	256	3	60000	1	CLEAR1		Non-Comp		52397.58	645517.6	6455.2
E+15hr	4003600	1	good		54184.45	256	3	15000	1	CLEAR1		Non-Comp		54182.95	667512.6	6675.1
	4003601	1	good		54200.08	256	3	60000	1	CLEAR1		Non-Comp		54198.58	667705.2	6677.1
	4003602	1	good		54260.71	256	3	700000	2	C2		Non-Comp		54259.21	668452.1	6684.5
	4003603	1	good		54962.43	256	3	700000	7	CN		Non-Comp		54960.93	677097.1	6771.0
Dark	4003604	1	good		55678.56	256	3	60000	1	CLEAR1	Dark	Non-Comp		55677.06	685919.5	6859.2
E+15.5hr	4003700	1	good		55984.45	256	3	15000	1	CLEAR1		Non-Comp		55982.95	689687.9	6896.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4003701	1	good		56000.08	256	3	60000	1	CLEAR1		Non-Comp		55998.58	689880.4	6898.8
	4003702	1	good		56060.71	256	3	700000	9	OH		Non-Comp		56059.21	690627.3	6906.3
	4003703	1	good		56770.13	256	3	700000	9	OH		Non-Comp		56768.63	699367.2	6993.7
E+16hr	4003800	1	good		57784.45	256	3	16000	1	CLEAR1		Non-Comp		57782.95	711863.2	7118.6
	4003801	1	good		57809.88	256	3	60000	1	CLEAR1		Non-Comp		57808.38	712176.4	7121.8
	4003802	1	good		57870.51	256	3	700000	2	C2		Non-Comp		57869.01	712923.3	7129.2
	4003803	1	good		58572.23	256	3	700000	7	CN		Non-Comp		58570.73	721568.3	7215.7
Dark	4003804	1	good		59288.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		59286.86	730390.8	7303.9
E+16.5hr	4003900	1	good		59584.45	256	3	16000	1	CLEAR1		Non-Comp		59582.95	734038.4	7340.4
	4003901	1	good		59601.08	256	3	60000	1	CLEAR1		Non-Comp		59599.58	734243.3	7342.4
	4003902	1	good		59661.71	256	3	700000	9	OH		Non-Comp		59660.21	734990.2	7349.9
	4003903	1	good		60371.13	256	3	700000	9	OH		Non-Comp		60369.63	743730.1	7437.3
E+17hr	4004000	1	good		61384.45	256	3	17000	1	CLEAR1		Non-Comp		61382.95	756213.7	7562.1
	4004001	1	good		61410.88	256	3	60000	1	CLEAR1		Non-Comp		61409.38	756539.3	7565.4
	4004002	1	good		61471.51	256	3	700000	2	C2		Non-Comp		61470.01	757286.2	7572.9
	4004003	1	good		62173.23	256	3	700000	7	CN		Non-Comp		62171.73	765931.2	7659.3
Dark	4004004	1	good		62889.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		62887.86	774753.6	7747.5
E+17.5hr	4004100	1	good		63184.45	256	3	17000	1	CLEAR1		Non-Comp		63182.95	778389.0	7783.9
	4004101	1	good		63202.08	256	3	60000	1	CLEAR1		Non-Comp		63200.58	778606.1	7786.1
	4004102	1	good		63262.71	256	3	700000	9	OH		Non-Comp		63261.21	779353.1	7793.5
	4004103	1	good		63972.13	256	3	700000	9	OH		Non-Comp		63970.63	788092.9	7880.9
E+18hr	4004200	1	caution	smear	64984.45	256	3	18000	1	CLEAR1		Non-Comp		64982.95	800564.3	8005.6
	4004201	1	caution	smear	65011.88	256	3	60000	1	CLEAR1		Non-Comp		65010.38	800902.2	8009.0
	4004202	1	caution	smear	65072.51	256	3	700000	2	C2		Non-Comp		65071.01	801649.1	8016.5

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4004203	1	caution	smear	65774.23	256	3	700000	7	CN		Non-Comp		65772.73	810294.1	8102.9
Dark	4004204	1	good		66490.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		66488.86	819116.5	8191.2
Post-enc sample	4004300	1	caution	smear	66784.45	256	3	18000	1	CLEAR1		Non-Comp		66782.95	822739.5	8227.4
	4004301	1	caution	smear	66803.08	256	3	60000	1	CLEAR1		Non-Comp		66801.58	822969.0	8229.7
	4004302	1	caution	smear	66863.71	256	3	700000	9	OH		Non-Comp		66862.21	823715.9	8237.2
	4004303	1	caution	smear	67573.13	256	3	700000	9	OH		Non-Comp		67571.63	832455.8	8324.6
	4004400	1	good		68584.45	256	3	19000	1	CLEAR1		Non-Comp		68582.95	844914.8	8449.1
	4004401	1	good		68612.88	256	3	60000	1	CLEAR1		Non-Comp		68611.38	845265.0	8452.7
	4004402	1	good		68673.51	256	3	700000	2	C2		Non-Comp		68672.01	846011.9	8460.1
	4004403	1	good		69375.23	256	3	700000	7	CN		Non-Comp		69373.73	854656.9	8546.6
Dark	4004404	1	good		70091.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		70089.86	863479.3	8634.8
Post-enc sample	4004500	1	good		70384.45	256	3	19000	1	CLEAR1		Non-Comp		70382.95	867090.1	8670.9
	4004501	1	good		70404.08	256	3	60000	1	CLEAR1		Non-Comp		70402.58	867331.9	8673.3
	4004502	1	good		70464.71	256	3	700000	9	OH		Non-Comp		70463.21	868078.8	8680.8
	4004503	1	good		71174.13	256	3	700000	9	OH		Non-Comp		71172.63	876818.7	8768.2
	4004600	1	good		72184.45	256	3	20000	1	CLEAR1		Non-Comp		72182.95	889265.3	8892.7
	4004601	1	good		72213.88	256	3	60000	1	CLEAR1		Non-Comp		72212.38	889627.9	8896.3
	4004602	1	good		72274.51	256	3	700000	2	C2		Non-Comp		72273.01	890374.8	8903.7
	4004603	1	good		72976.23	256	3	700000	7	CN		Non-Comp		72974.73	899019.8	8990.2
Dark	4004604	1	good		73692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		73690.86	907842.2	9078.4
Post-enc sample	4004700	1	good		73984.45	256	3	20000	1	CLEAR1		Non-Comp		73982.95	911440.6	9114.4
	4004701	1	good		74005.08	256	3	60000	1	CLEAR1		Non-Comp		74003.58	911694.7	9116.9
	4004702	1	good		74065.71	256	3	700000	9	OH		Non-Comp		74064.21	912441.7	9124.4
	4004703	1	good		74775.13	256	3	700000	9	OH		Non-Comp		74773.63	921181.5	9211.8

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4004800	1	good		75784.45	256	3	20000	1	CLEAR1		Non-Comp		75782.95	933615.9	9336.2
	4004801	1	good		75813.88	256	3	60000	1	CLEAR1		Non-Comp		75812.38	933978.4	9339.8
	4004802	1	good		75874.51	256	3	700000	2	C2		Non-Comp		75873.01	934725.3	9347.3
	4004803	1	good		76576.23	256	3	700000	7	CN		Non-Comp		76574.73	943370.3	9433.7
Dark	4004804	1	good		77292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		77290.86	952192.8	9521.9
Post-enc sample	4004900	1	good		77584.45	256	3	20000	1	CLEAR1		Non-Comp		77582.95	955791.2	9557.9
	4004901	1	good		77605.08	256	3	60000	1	CLEAR1		Non-Comp		77603.58	956045.3	9560.5
	4004902	1	good		77665.71	256	3	700000	9	OH		Non-Comp		77664.21	956792.2	9567.9
	4004903	1	good		78375.13	256	3	700000	9	OH		Non-Comp		78373.63	965532.1	9655.3
	4005000	1	good		79384.45	256	3	20000	1	CLEAR1		Non-Comp		79382.95	977966.4	9779.7
	4005001	1	good		79413.88	256	3	60000	1	CLEAR1		Non-Comp		79412.38	978329.0	9783.3
	4005002	1	good		79474.51	256	3	700000	2	C2		Non-Comp		79473.01	979075.9	9790.8
	4005003	1	good		80176.23	256	3	700000	7	CN		Non-Comp		80174.73	987720.9	9877.2
Dark	4005004	1	good		80892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		80890.86	996543.3	9965.4
Post-enc sample	4005100	1	good		81184.45	256	3	20000	1	CLEAR1		Non-Comp		81182.95	1000141.7	10001.4
	4005101	1	good		81205.08	256	3	60000	1	CLEAR1		Non-Comp		81203.58	1000395.8	10004.0
	4005102	1	good		81265.71	256	3	700000	9	OH		Non-Comp		81264.21	1001142.8	10011.4
	4005103	1	good		81975.13	256	3	700000	9	OH		Non-Comp		81973.63	1009882.6	10098.8
	4005200	1	good		82984.45	256	3	20000	1	CLEAR1		Non-Comp		82982.95	1022317.0	10223.2
	4005201	1	good		83013.88	256	3	60000	1	CLEAR1		Non-Comp		83012.38	1022679.5	10226.8
	4005202	1	good		83074.51	256	3	700000	2	C2		Non-Comp		83073.01	1023426.4	10234.3
	4005203	1	good		83776.23	256	3	700000	7	CN		Non-Comp		83774.73	1032071.4	10320.7
Dark	4005204	1	good		84492.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		84490.86	1040893.9	10408.9
Post-enc sample	4005300	1	good		84784.45	256	3	20000	1	CLEAR1		Non-Comp		84782.95	1044492.3	10444.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4005301	1	good		84805.08	256	3	60000	1	CLEAR1		Non-Comp		84803.58	1044746.4	10447.5
	4005302	1	good		84865.71	256	3	700000	9	OH		Non-Comp		84864.21	1045493.3	10454.9
	4005303	1	good		85575.13	256	3	700000	9	OH		Non-Comp		85573.63	1054233.2	10542.3
	4005400	1	good		86584.45	256	3	20000	1	CLEAR1		Non-Comp		86582.95	1066667.5	10666.7
	4005401	1	good		86613.88	256	3	60000	1	CLEAR1		Non-Comp		86612.38	1067030.1	10670.3
	4005402	1	good		86674.51	256	3	700000	2	C2		Non-Comp		86673.01	1067777.0	10677.8
	4005403	1	good		87376.23	256	3	700000	7	CN		Non-Comp		87374.73	1076422.0	10764.2
Dark	4005404	1	good		88092.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		88090.86	1085244.4	10852.4
Post-enc sample	4005500	1	good		88384.45	256	3	20000	1	CLEAR1		Non-Comp		88382.95	1088842.8	10888.4
	4005501	1	good		88405.08	256	3	60000	1	CLEAR1		Non-Comp		88403.58	1089096.9	10891.0
	4005502	1	good		88465.71	256	3	700000	9	OH		Non-Comp		88464.21	1089843.9	10898.4
	4005503	1	good		89175.13	256	3	700000	9	OH		Non-Comp		89173.63	1098583.7	10985.8
	4005600	1	good		90184.45	256	3	20000	1	CLEAR1		Non-Comp		90182.95	1111018.1	11110.2
	4005601	1	good		90213.88	256	3	60000	1	CLEAR1		Non-Comp		90212.38	1111380.6	11113.8
	4005602	1	good		90274.51	256	3	700000	2	C2		Non-Comp		90273.01	1112127.5	11121.3
	4005603	1	good		90976.23	256	3	700000	7	CN		Non-Comp		90974.73	1120772.5	11207.7
Dark	4005604	1	good		91692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		91690.86	1129595.0	11295.9
Post-enc sample	4005700	1	caution	smear	91984.45	256	3	20000	1	CLEAR1		Non-Comp		91982.95	1133193.4	11331.9
	4005701	1	caution	smear	92005.08	256	3	60000	1	CLEAR1		Non-Comp		92003.58	1133447.5	11334.5
	4005702	1	good		92065.71	256	3	700000	9	OH		Non-Comp		92064.21	1134194.4	11341.9
	4005703	1	good		92775.13	256	3	700000	9	OH		Non-Comp		92773.63	1142934.3	11429.3
	4005800	1	good		93784.45	256	3	20000	1	CLEAR1		Non-Comp		93782.95	1155368.6	11553.7
	4005801	1	good		93813.88	256	3	60000	1	CLEAR1		Non-Comp		93812.38	1155731.2	11557.3
	4005802	1	good		93874.51	256	3	700000	2	C2		Non-Comp		93873.01	1156478.1	11564.8

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4005803	1	good		94576.23	256	3	700000	7	CN		Non-Comp		94574.73	1165123.1	11651.2
Dark	4005804	1	good		95292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		95290.86	1173945.5	11739.5
Post-enc sample	4005900	1	good		95584.45	256	3	20000	1	CLEAR1		Non-Comp		95582.95	1177543.9	11775.4
	4005901	1	good		95605.08	256	3	60000	1	CLEAR1		Non-Comp		95603.58	1177798.0	11778.0
	4005902	1	good		95665.71	256	3	700000	9	OH		Non-Comp		95664.21	1178545.0	11785.4
	4005903	1	good		96375.13	256	3	700000	9	OH		Non-Comp		96373.63	1187284.8	11872.8
	4006000	1	good		97384.45	256	3	20000	1	CLEAR1		Non-Comp		97382.95	1199719.2	11997.2
	4006001	1	good		97413.88	256	3	60000	1	CLEAR1		Non-Comp		97412.38	1200081.7	12000.8
	4006002	1	good		97474.51	256	3	700000	2	C2		Non-Comp		97473.01	1200828.6	12008.3
	4006003	1	good		98176.23	256	3	700000	7	CN		Non-Comp		98174.73	1209473.7	12094.7
Dark	4006004	1	good		98892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		98890.86	1218296.1	12183.0
Post-enc sample	4006100	1	caution	smear	99184.45	256	3	20000	1	CLEAR1		Non-Comp		99182.95	1221894.5	12218.9
	4006101	1	caution	smear	99205.08	256	3	60000	1	CLEAR1		Non-Comp		99203.58	1222148.6	12221.5
	4006102	1	good		99265.71	256	3	700000	9	OH		Non-Comp		99264.21	1222895.5	12229.0
	4006103	1	good		99975.13	256	3	700000	9	OH		Non-Comp		99973.63	1231635.4	12316.4
	4006200	1	good		100984.45	256	3	20000	1	CLEAR1		Non-Comp		100982.95	1244069.7	12440.7
	4006201	1	good		101013.88	256	3	60000	1	CLEAR1		Non-Comp		101012.38	1244432.3	12444.3
	4006202	1	good		101074.51	256	3	700000	2	C2		Non-Comp		101073.01	1245179.2	12451.8
	4006203	1	good		101776.23	256	3	700000	7	CN		Non-Comp		101774.73	1253824.2	12538.2
Dark	4006204	1	good		102492.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		102490.86	1262646.6	12626.5
Post-enc sample	4006300	1	good		102784.45	256	3	20000	1	CLEAR1		Non-Comp		102782.95	1266245.0	12662.5
	4006301	1	good		102805.08	256	3	60000	1	CLEAR1		Non-Comp		102803.58	1266499.1	12665.0
	4006302	1	good		102865.71	256	3	700000	9	OH		Non-Comp		102864.21	1267246.1	12672.5
	4006303	1	good		103575.13	256	3	700000	9	OH		Non-Comp		103573.63	1275985.9	12759.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4006400	1	good		104584.45	256	3	20000	1	CLEAR1		Non-Comp		104582.95	1288420.3	12884.2
	4006401	1	good		104613.88	256	3	60000	1	CLEAR1		Non-Comp		104612.38	1288782.8	12887.8
	4006402	1	good		104674.51	256	3	700000	2	C2		Non-Comp		104673.01	1289529.8	12895.3
	4006403	1	good		105376.23	256	3	700000	7	CN		Non-Comp		105374.73	1298174.8	12981.7
Dark	4006404	1	good		106092.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		106090.86	1306997.2	13070.0
Post-enc sample	4006500	1	good		106384.45	256	3	20000	1	CLEAR1		Non-Comp		106382.95	1310595.6	13106.0
	4006501	1	good		106405.08	256	3	60000	1	CLEAR1		Non-Comp		106403.58	1310849.7	13108.5
	4006502	1	good		106465.71	256	3	700000	9	OH		Non-Comp		106464.21	1311596.6	13116.0
	4006503	1	good		107175.13	256	3	700000	9	OH		Non-Comp		107173.63	1320336.5	13203.4
	4006600	1	good		108184.45	256	3	20000	1	CLEAR1		Non-Comp		108182.95	1332770.9	13327.7
	4006601	1	good		108213.88	256	3	60000	1	CLEAR1		Non-Comp		108212.38	1333133.4	13331.3
	4006602	1	good		108274.51	256	3	700000	2	C2		Non-Comp		108273.01	1333880.3	13338.8
	4006603	1	good		108976.23	256	3	700000	7	CN		Non-Comp		108974.73	1342525.3	13425.3
Dark	4006604	1	good		109692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		109690.86	1351347.7	13513.5
Post-enc sample	4006700	1	good		109984.45	256	3	20000	1	CLEAR1		Non-Comp		109982.95	1354946.1	13549.5
	4006701	1	good		110005.08	256	3	60000	1	CLEAR1		Non-Comp		110003.58	1355200.3	13552.0
	4006702	1	good		110065.71	256	3	700000	9	OH		Non-Comp		110064.21	1355947.2	13559.5
	4006703	1	good		110775.13	256	3	700000	9	OH		Non-Comp		110773.63	1364687.0	13646.9
	4006800	1	good		111784.45	256	3	20000	1	CLEAR1		Non-Comp		111782.95	1377121.4	13771.2
	4006801	1	good		111813.88	256	3	60000	1	CLEAR1		Non-Comp		111812.38	1377483.9	13774.8
	4006802	1	good		111874.51	256	3	700000	2	C2		Non-Comp		111873.01	1378230.9	13782.3
	4006803	1	good		112576.23	256	3	700000	7	CN		Non-Comp		112574.73	1386875.9	13868.8
Dark	4006804	1	good		113292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		113290.86	1395698.3	13957.0
Post-enc sample	4006900	1	good		113584.45	256	3	20000	1	CLEAR1		Non-Comp		113582.95	1399296.7	13993.0

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4006901	1	good		113605.08	256	3	60000	1	CLEAR1		Non-Comp		113603.58	1399550.8	13995.5
	4006902	1	good		113665.71	256	3	700000	9	OH		Non-Comp		113664.21	1400297.7	14003.0
	4006903	1	good		114375.13	256	3	700000	9	OH		Non-Comp		114373.63	1409037.6	14090.4
	4007000	1	good		115384.45	256	3	20000	1	CLEAR1		Non-Comp		115382.95	1421472.0	14214.7
	4007001	1	good		115413.88	256	3	60000	1	CLEAR1		Non-Comp		115412.38	1421834.5	14218.3
	4007002	1	good		115474.51	256	3	700000	2	C2		Non-Comp		115473.01	1422581.4	14225.8
	4007003	1	good		116176.23	256	3	700000	7	CN		Non-Comp		116174.73	1431226.4	14312.3
Dark	4007004	1	good		116892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		116890.86	1440048.8	14400.5
Post-enc sample	4007100	1	good		117184.45	256	3	20000	1	CLEAR1		Non-Comp		117182.95	1443647.2	14436.5
	4007101	1	good		117205.08	256	3	60000	1	CLEAR1		Non-Comp		117203.58	1443901.4	14439.0
	4007102	1	good		117265.71	256	3	700000	9	OH		Non-Comp		117264.21	1444648.3	14446.5
	4007103	1	good		117975.13	256	3	700000	9	OH		Non-Comp		117973.63	1453388.1	14533.9
	4007200	1	good		118984.45	256	3	20000	1	CLEAR1		Non-Comp		118982.95	1465822.5	14658.2
	4007201	1	good		119013.88	256	3	60000	1	CLEAR1		Non-Comp		119012.38	1466185.1	14661.9
	4007202	1	good		119074.51	256	3	700000	2	C2		Non-Comp		119073.01	1466932.0	14669.3
	4007203	1	good		119776.23	256	3	700000	7	CN		Non-Comp		119774.73	1475577.0	14755.8
Dark	4007204	1	good		120492.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		120490.86	1484399.4	14844.0
Post-enc sample	4007300	1	good		120784.45	256	3	20000	1	CLEAR1		Non-Comp		120782.95	1487997.8	14880.0
	4007301	1	good		120805.08	256	3	60000	1	CLEAR1		Non-Comp		120803.58	1488251.9	14882.5
	4007302	1	good		120865.71	256	3	700000	9	OH		Non-Comp		120864.21	1488998.8	14890.0
	4007303	1	good		121575.13	256	3	700000	9	OH		Non-Comp		121573.63	1497738.7	14977.4
	4007400	1	good		122584.45	256	3	20000	1	CLEAR1		Non-Comp		122582.95	1510173.1	15101.7
	4007401	1	good		122613.88	256	3	60000	1	CLEAR1		Non-Comp		122612.38	1510535.6	15105.4
	4007402	1	good		122674.51	256	3	700000	2	C2		Non-Comp		122673.01	1511282.5	15112.8

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4007403	1	good		123376.23	256	3	700000	7	CN		Non-Comp		123374.73	1519927.5	15199.3
Dark	4007404	1	good		124092.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		124090.86	1528749.9	15287.5
Post-enc sample	4007500	1	good		124384.45	256	3	20000	1	CLEAR1		Non-Comp		124382.95	1532348.3	15323.5
	4007501	1	good		124405.08	256	3	60000	1	CLEAR1		Non-Comp		124403.58	1532602.5	15326.0
	4007502	1	good		124465.71	256	3	700000	9	OH		Non-Comp		124464.21	1533349.4	15333.5
	4007503	1	good		125175.13	256	3	700000	9	OH		Non-Comp		125173.63	1542089.3	15420.9
	4007600	1	caution	smear	126184.45	256	3	20000	1	CLEAR1		Non-Comp		126182.95	1554523.6	15545.2
	4007601	1	good		126213.88	256	3	60000	1	CLEAR1		Non-Comp		126212.38	1554886.2	15548.9
	4007602	1	caution	smear	126274.51	256	3	700000	2	C2		Non-Comp		126273.01	1555633.1	15556.3
	4007603	1	good		126976.23	256	3	700000	7	CN		Non-Comp		126974.73	1564278.1	15642.8
Dark	4007604	1	good		127692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		127690.86	1573100.5	15731.0
Post-enc sample	4007700	1	good		127984.45	256	3	20000	1	CLEAR1		Non-Comp		127982.95	1576698.9	15767.0
	4007701	1	good		128005.08	256	3	60000	1	CLEAR1		Non-Comp		128003.58	1576953.0	15769.5
	4007702	1	good		128065.71	256	3	700000	9	OH		Non-Comp		128064.21	1577699.9	15777.0
	4007703	1	good		128775.13	256	3	700000	9	OH		Non-Comp		128773.63	1586439.8	15864.4
	4007800	1	good		129784.45	256	3	20000	1	CLEAR1		Non-Comp		129782.95	1598874.2	15988.7
	4007801	1	good		129813.88	256	3	60000	1	CLEAR1		Non-Comp		129812.38	1599236.7	15992.4
	4007802	1	good		129874.51	256	3	700000	2	C2		Non-Comp		129873.01	1599983.6	15999.8
	4007803	1	good		130576.23	256	3	700000	7	CN		Non-Comp		130574.73	1608628.6	16086.3
Dark	4007804	1	good		131292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		131290.86	1617451.1	16174.5
Post-enc sample	4007900	1	good		131584.45	256	3	20000	1	CLEAR1		Non-Comp		131582.95	1621049.5	16210.5
	4007901	1	good		131605.08	256	3	60000	1	CLEAR1		Non-Comp		131603.58	1621303.6	16213.0
	4007902	1	good		131665.71	256	3	700000	9	OH		Non-Comp		131664.21	1622050.5	16220.5
	4007903	1	good		132375.13	256	3	700000	9	OH		Non-Comp		132373.63	1630790.4	16307.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4008000	1	good		133384.45	256	3	20000	1	CLEAR1		Non-Comp		133382.95	1643224.7	16432.2
	4008001	1	good		133413.88	256	3	60000	1	CLEAR1		Non-Comp		133412.38	1643587.3	16435.9
	4008002	1	good		133474.51	256	3	700000	2	C2		Non-Comp		133473.01	1644334.2	16443.3
	4008003	1	good		134176.23	256	3	700000	7	CN		Non-Comp		134174.73	1652979.2	16529.8
Dark	4008004	1	good		134892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		134890.86	1661801.6	16618.0
Post-enc sample	4008100	1	good		135184.45	256	3	20000	1	CLEAR1		Non-Comp		135182.95	1665400.0	16654.0
	4008101	1	good		135205.08	256	3	60000	1	CLEAR1		Non-Comp		135203.58	1665654.1	16656.5
	4008102	1	good		135265.71	256	3	700000	9	OH		Non-Comp		135264.21	1666401.1	16664.0
	4008103	1	good		135975.13	256	3	700000	9	OH		Non-Comp		135973.63	1675140.9	16751.4
	4008200	1	good		136984.45	256	3	20000	1	CLEAR1		Non-Comp		136982.95	1687575.3	16875.8
	4008201	1	good		137013.88	256	3	60000	1	CLEAR1		Non-Comp		137012.38	1687937.8	16879.4
	4008202	1	good		137074.51	256	3	700000	2	C2		Non-Comp		137073.01	1688684.7	16886.8
	4008203	1	good		137776.23	256	3	700000	7	CN		Non-Comp		137774.73	1697329.8	16973.3
Dark	4008204	1	good		138492.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		138490.86	1706152.2	17061.5
Post-enc sample	4008300	1	good		138784.45	256	3	20000	1	CLEAR1		Non-Comp		138782.95	1709750.6	17097.5
	4008301	1	good		138805.08	256	3	60000	1	CLEAR1		Non-Comp		138803.58	1710004.7	17100.0
	4008302	1	good		138865.71	256	3	700000	9	OH		Non-Comp		138864.21	1710751.6	17107.5
	4008303	1	good		139575.13	256	3	700000	9	OH		Non-Comp		139573.63	1719491.5	17194.9
	4008400	1	good		140584.45	256	3	20000	1	CLEAR1		Non-Comp		140582.95	1731925.8	17319.3
	4008401	1	good		140613.88	256	3	60000	1	CLEAR1		Non-Comp		140612.38	1732288.4	17322.9
	4008402	1	good		140674.51	256	3	700000	2	C2		Non-Comp		140673.01	1733035.3	17330.4
	4008403	1	good		141376.23	256	3	700000	7	CN		Non-Comp		141374.73	1741680.3	17416.8
Dark	4008404	1	good		142092.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		142090.86	1750502.7	17505.0
Post-enc sample	4008500	1	good		142384.45	256	3	20000	1	CLEAR1		Non-Comp		142382.95	1754101.1	17541.0

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4008501	1	good		142405.08	256	3	60000	1	CLEAR1		Non-Comp		142403.58	1754355.3	17543.6
	4008502	1	good		142465.71	256	3	700000	9	OH		Non-Comp		142464.21	1755102.2	17551.0
	4008503	1	good		143175.13	256	3	700000	9	OH		Non-Comp		143173.63	1763842.0	17638.4
	4008600	1	good		144184.45	256	3	20000	1	CLEAR1		Non-Comp		144182.95	1776276.4	17762.8
	4008601	1	good		144213.88	256	3	60000	1	CLEAR1		Non-Comp		144212.38	1776638.9	17766.4
	4008602	1	good		144274.51	256	3	700000	2	C2		Non-Comp		144273.01	1777385.9	17773.9
	4008603	1	good		144976.23	256	3	700000	7	CN		Non-Comp		144974.73	1786030.9	17860.3
Dark	4008604	1	good		145692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		145690.86	1794853.3	17948.5
Post-enc sample	4008700	1	good		145984.45	256	3	20000	1	CLEAR1		Non-Comp		145982.95	1798451.7	17984.5
	4008701	1	good		146005.08	256	3	60000	1	CLEAR1		Non-Comp		146003.58	1798705.8	17987.1
	4008702	1	good		146065.71	256	3	700000	9	OH		Non-Comp		146064.21	1799452.7	17994.5
	4008703	1	good		146775.13	256	3	700000	9	OH		Non-Comp		146773.63	1808192.6	18081.9
	4008800	1	good		147784.45	256	3	20000	1	CLEAR1		Non-Comp		147782.95	1820627.0	18206.3
	4008801	1	good		147813.88	256	3	60000	1	CLEAR1		Non-Comp		147812.38	1820989.5	18209.9
	4008802	1	good		147874.51	256	3	700000	2	C2		Non-Comp		147873.01	1821736.4	18217.4
	4008803	1	good		148576.23	256	3	700000	7	CN		Non-Comp		148574.73	1830381.4	18303.8
Dark	4008804	1	good		149292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		149290.86	1839203.8	18392.0
Post-enc sample	4008900	1	good		149584.45	256	3	20000	1	CLEAR1		Non-Comp		149582.95	1842802.2	18428.0
	4008901	1	good		149605.08	256	3	60000	1	CLEAR1		Non-Comp		149603.58	1843056.4	18430.6
	4008902	1	good		149665.71	256	3	700000	9	OH		Non-Comp		149664.21	1843803.3	18438.0
	4008903	1	good		150375.13	256	3	700000	9	OH		Non-Comp		150373.63	1852543.2	18525.4
	4009000	1	good		151384.45	256	3	20000	1	CLEAR1		Non-Comp		151382.95	1864977.5	18649.8
	4009001	1	good		151413.88	256	3	60000	1	CLEAR1		Non-Comp		151412.38	1865340.1	18653.4
	4009002	1	good		151474.51	256	3	700000	2	C2		Non-Comp		151473.01	1866087.0	18660.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4009003	1	good		152176.23	256	3	700000	7	CN		Non-Comp		152174.73	1874732.0	18747.3
Dark	4009004	1	good		152892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		152890.86	1883554.4	18835.5
Post-enc sample	4009100	1	caution	smearred	153184.45	256	3	20000	1	CLEAR1		Non-Comp		153182.95	1887152.8	18871.5
	4009101	1	caution	smearred	153205.08	256	3	60000	1	CLEAR1		Non-Comp		153203.58	1887406.9	18874.1
	4009102	1	good		153265.71	256	3	700000	9	OH		Non-Comp		153264.21	1888153.8	18881.5
	4009103	1	good		153975.13	256	3	700000	9	OH		Non-Comp		153973.63	1896893.7	18968.9
	4009200	1	good		154984.45	256	3	20000	1	CLEAR1		Non-Comp		154982.95	1909328.1	19093.3
	4009201	1	good		155013.88	256	3	60000	1	CLEAR1		Non-Comp		155012.38	1909690.6	19096.9
	4009202	1	good		155074.51	256	3	700000	2	C2		Non-Comp		155073.01	1910437.5	19104.4
	4009203	1	good		155776.23	256	3	700000	7	CN		Non-Comp		155774.73	1919082.5	19190.8
Dark	4009204	1	good		156492.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		156490.86	1927904.9	19279.0
Post-enc sample	4009300	1	good		156784.45	256	3	20000	1	CLEAR1		Non-Comp		156782.95	1931503.4	19315.0
	4009301	1	good		156805.08	256	3	60000	1	CLEAR1		Non-Comp		156803.58	1931757.5	19317.6
	4009302	1	good		156865.71	256	3	700000	9	OH		Non-Comp		156864.21	1932504.4	19325.0
	4009303	1	good		157575.13	256	3	700000	9	OH		Non-Comp		157573.63	1941244.3	19412.4
	4009400	1	good		158584.45	256	3	20000	1	CLEAR1		Non-Comp		158582.95	1953678.6	19536.8
	4009401	1	good		158613.88	256	3	60000	1	CLEAR1		Non-Comp		158612.38	1954041.2	19540.4
	4009402	1	good		158674.51	256	3	700000	2	C2		Non-Comp		158673.01	1954788.1	19547.9
	4009403	1	good		159376.23	256	3	700000	7	CN		Non-Comp		159374.73	1963433.1	19634.3
Dark	4009404	1	good		160092.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		160090.86	1972255.5	19722.6
Post-enc sample	4009500	1	good		160384.45	256	3	20000	1	CLEAR1		Non-Comp		160382.95	1975853.9	19758.5
	4009501	1	good		160405.08	256	3	60000	1	CLEAR1		Non-Comp		160403.58	1976108.0	19761.1
	4009502	1	good		160465.71	256	3	700000	9	OH		Non-Comp		160464.21	1976855.0	19768.5
	4009503	1	good		161175.13	256	3	700000	9	OH		Non-Comp		161173.63	1985594.8	19855.9

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4009600	1	good		162184.45	256	3	20000	1	CLEAR1		Non-Comp		162182.95	1998029.2	19980.3
	4009601	1	good		162213.88	256	3	60000	1	CLEAR1		Non-Comp		162212.38	1998391.7	19983.9
	4009602	1	good		162274.51	256	3	700000	2	C2		Non-Comp		162273.01	1999138.6	19991.4
	4009603	1	good		162976.23	256	3	700000	7	CN		Non-Comp		162974.73	2007783.7	20077.8
Dark	4009604	1	good		163692.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		163690.86	2016606.1	20166.1
Post-enc sample	4009700	1	good		163984.45	256	3	20000	1	CLEAR1		Non-Comp		163982.95	2020204.5	20202.0
	4009701	1	good		164005.08	256	3	60000	1	CLEAR1		Non-Comp		164003.58	2020458.6	20204.6
	4009702	1	good		164065.71	256	3	700000	9	OH		Non-Comp		164064.21	2021205.5	20212.1
	4009703	1	good		164775.13	256	3	700000	9	OH		Non-Comp		164773.63	2029945.4	20299.5
	4009800	1	good		165784.45	256	3	20000	1	CLEAR1		Non-Comp		165782.95	2042379.7	20423.8
	4009801	1	good		165813.88	256	3	60000	1	CLEAR1		Non-Comp		165812.38	2042742.3	20427.4
	4009802	1	good		165874.51	256	3	700000	2	C2		Non-Comp		165873.01	2043489.2	20434.9
	4009803	1	good		166576.23	256	3	700000	7	CN		Non-Comp		166574.73	2052134.2	20521.3
Dark	4009804	1	good		167292.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		167290.86	2060956.6	20609.6
Post-enc sample	4009900	1	good		167584.45	256	3	20000	1	CLEAR1		Non-Comp		167582.95	2064555.0	20645.6
	4009901	1	good		167605.08	256	3	60000	1	CLEAR1		Non-Comp		167603.58	2064809.2	20648.1
	4009902	1	good		167665.71	256	3	700000	9	OH		Non-Comp		167664.21	2065556.1	20655.6
	4009903	1	good		168375.13	256	3	700000	9	OH		Non-Comp		168373.63	2074295.9	20743.0
	4010000	1	good		169384.45	256	3	20000	1	CLEAR1		Non-Comp		169382.95	2086730.3	20867.3
	4010001	1	good		169413.88	256	3	60000	1	CLEAR1		Non-Comp		169412.38	2087092.8	20870.9
	4010002	1	good		169474.51	256	3	700000	2	C2		Non-Comp		169473.01	2087839.8	20878.4
	4010003	1	good		170176.23	256	3	700000	7	CN		Non-Comp		170174.73	2096484.8	20964.8
Dark	4010004	1	good		170892.36	256	3	60000	1	CLEAR1	Dark	Non-Comp		170890.86	2105307.2	21053.1
Post-enc sample	4010100	1	good		171184.45	256	3	20000	1	CLEAR1		Non-Comp		171182.95	2108905.6	21089.1

MRI Data Log for Hartley 2 Flyby (Encounter-18 hours through E+48 hours)

Timeline (KPK)	EXPOSURE ID	# of Imgs	Data Quality	Comments	Enctr Time (sec)	Img Size	Inst Mode	TRUE EXP (ms)	Filter #	Filter Name	STIM Dark	Compress Non-comp	Comp LUTID	Corrected Time [s]	Est. Range [km]	Est. Scale [m/pix]
	4010101	1	good		171205.08	256	3	60000	1	CLEAR1		Non-Comp		171203.58	2109159.7	21091.6
	4010102	1	good		171265.71	256	3	700000	9	OH		Non-Comp		171264.21	2109906.6	21099.1
	4010103	1	good		171975.13	256	3	700000	9	OH		Non-Comp		171973.63	2118646.5	21186.5