

EPOXI/EPOCH Earth Observations 2009 - Pointing

Comments	Sequence Time (sec)	Description
To None	-1	
To Dark	0	
To Earth	46.13	Slew to Earth centered on geometric center of Earth upon completion of IR dark frames. Allow 20 min to settle and for Attitude Control Subsystem (ACS) filters to converge.
IR Earth Scan 1A	3077.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
IR ExplD = 1000002	3158.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	3208.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000003	3289.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth.
	3339.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000004	3420.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	3470.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 1B	3977.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000005	4058.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	4118.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000006	4199.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	4259.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000007	4340.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	4400.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 2A	10277.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000008	10358.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	10408.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000009	10489.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	10539.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000010	10620.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	10670.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 2B	11177.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000011	11258.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	11318.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000012	11399.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.

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Comments	Sequence Time (sec)	Description
	11459.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000013	11540.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	11600.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 3A	17477.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000014	17558.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	17608.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000015	17689.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	17739.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000016	17820.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	17870.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 3B	18377.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000017	18458.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	18518.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000018	18599.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	18659.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000019	18740.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	18800.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 4A	24677.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000020	24758.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	24808.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1000021	24889.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	24939.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000022	25020.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	25070.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 4B	25577.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1000023	25658.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	25718.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan

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1000024	25799.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	25859.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1000025	25940.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	26000.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 5A	31877.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001000	31958.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	32008.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001001	32089.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	32139.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001002	32220.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	32270.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 5B	32777.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001003	32858.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	32918.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001004	32999.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	33059.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001005	33140.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	33200.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 6A	39077.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001006	39158.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	39208.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001007	39289.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	39339.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001008	39420.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	39470.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 6B	39977.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001009	40058.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.

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Comments	Sequence Time (sec)	Description
	40118.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001010	40199.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	40259.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001011	40340.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	40400.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 7A	46277.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001012	46358.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	46408.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001013	46489.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	46539.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001014	46620.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	46670.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 7B	47177.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001015	47258.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	47318.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001016	47399.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	47459.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001017	47540.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	47600.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 8A	53477.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001018	53558.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	53608.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001019	53689.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	53739.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001020	53820.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	53870.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 8B	54377.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan

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Comments	Sequence Time (sec)	Description
1001021	54458.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	54518.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001022	54599.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	54659.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001023	54740.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	54800.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 9A	60677.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001024	60758.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	60808.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001025	60889.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	60939.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001026	61020.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	61070.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 9B	61577.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1001027	61658.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	61718.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1001028	61799.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	61859.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1001029	61940.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	62000.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 10A	67877.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002000	67958.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	68008.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002001	68089.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	68139.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002002	68220.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	68270.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images

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Comments	Sequence Time (sec)	Description
IR Earth Scan 10B	68777.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002003	68858.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	68918.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002004	68999.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	69059.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002005	69140.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	69200.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 11A	75077.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002006	75158.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	75208.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002007	75289.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	75339.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002008	75420.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	75470.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 11B	75977.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002009	76058.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	76118.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002010	76199.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	76259.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002011	76340.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry	76400.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 12A	82277.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002012	82358.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	82408.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002013	82489.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	82539.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002014	82620.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.

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HRIV Radiometry	82670.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 12B	83177.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002015	83258.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	83318.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002016	83399.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	83459.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002017	83540.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRIV Radiometry 24	83600.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
To HRIVIS:Dark; ELSE:Earth	89471.00	
IR Earth Scan 13A	89477.00	Slew to point 5770 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002018	89558.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	89608.00	Reposition to 5770 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002019	89689.00	Slew to accelerate to 300 urad/s rate scanning South. Allow 5.13 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
	89739.00	Reposition to 5770 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002020	89820.00	Slew to accelerate to 300 urad/s rate scanning North. Allow 5.13 s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 300 urad/s scan rate from this point for 44.87 seconds.
HRIV Radiometry	89870.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
IR Earth Scan 13B	90377.00	Slew to point 30412 urad South of Earth centered on geometric center of Earth in preparation for the next IR scan
1002021	90458.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	90518.00	Reposition to 30412 urad North and 150 urad sunwards of center of Earth in preparation for the next IR scan
1002022	90599.00	Slew to accelerate to 1724 urad/s rate scanning South. Allow 30.52 s to accelerate to desired rate at a point 5000 urad North of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
	90659.00	Reposition to 30412 urad South and 150 urad anti-sunwards of center of Earth in preparation for the next IR scan
1002023	90740.00	Slew to accelerate to 1724 urad/s rate scanning North. Allow 30.52s to accelerate to desired rate at a point 5000 urad South of Earth. Continue at fixed 1724 urad/s scan rate from this point for 29.48 seconds.
HRI Radiometry	90800.00	Point boresight of HRI at geometric center of Earth for HRIVIS radiometry images
To Cruise attitude	90881.00	
To Dark	90882.00	
To None	91792.13	

EPOXI/EPOCH Earth Observations 2009 - HRII Sequence

Mission	Comments	EXP_ID	Sequence Time	Instrument	Image	Image	Num. of	TRUE
Timeline			(sec)	ID	Mode	Size	Images	EXP Dur (ms)
EarthObs	Darks	1000000	10.00	HRI_IR	BINSF1	128	8	2000
		1000001	33.11	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 1A	1000002	3167.06	HRI_IR	BINSF1	128	8	2000
		1000003	3298.06	HRI_IR	BINSF1	128	8	2000
		1000004	3429.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 1B	1000005	4081.74	HRI_IR	BINSF1	128	8	1436
		1000006	4222.74	HRI_IR	BINSF1	128	8	1436
		1000007	4363.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 2A	1000008	10367.06	HRI_IR	BINSF1	128	8	2000
		1000009	10498.06	HRI_IR	BINSF1	128	8	2000
		1000010	10629.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 2B	1000011	11281.74	HRI_IR	BINSF1	128	8	1436
		1000012	11422.74	HRI_IR	BINSF1	128	8	1436
		1000013	11563.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 3A	1000014	17567.06	HRI_IR	BINSF1	128	8	2000
		1000015	17698.06	HRI_IR	BINSF1	128	8	2000
		1000016	17829.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 3B	1000017	18481.74	HRI_IR	BINSF1	128	8	1436
		1000018	18622.74	HRI_IR	BINSF1	128	8	1436
		1000019	18763.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 4A	1000020	24767.06	HRI_IR	BINSF1	128	8	2000
		1000021	24898.06	HRI_IR	BINSF1	128	8	2000
		1000022	25029.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 4B	1000023	25681.74	HRI_IR	BINSF1	128	8	1436
		1000024	25822.74	HRI_IR	BINSF1	128	8	1436
		1000025	25963.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 5A	1001000	31967.06	HRI_IR	BINSF1	128	8	2000
		1001001	32098.06	HRI_IR	BINSF1	128	8	2000
		1001002	32229.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 5B	1001003	32881.74	HRI_IR	BINSF1	128	8	1436
		1001004	33022.74	HRI_IR	BINSF1	128	8	1436
		1001005	33163.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 6A	1001006	39167.06	HRI_IR	BINSF1	128	8	2000
		1001007	39298.06	HRI_IR	BINSF1	128	8	2000
		1001008	39429.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 6B	1001009	40081.74	HRI_IR	BINSF1	128	8	1436
		1001010	40222.74	HRI_IR	BINSF1	128	8	1436

EPOXI/EPOCH Earth Observations 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
		1001011	40363.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 7A	1001012	46367.06	HRI_IR	BINSF1	128	8	2000
		1001013	46498.06	HRI_IR	BINSF1	128	8	2000
		1001014	46629.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 7B	1001015	47281.74	HRI_IR	BINSF1	128	8	1436
		1001016	47422.74	HRI_IR	BINSF1	128	8	1436
		1001017	47563.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 8A	1001018	53567.06	HRI_IR	BINSF1	128	8	2000
		1001019	53698.06	HRI_IR	BINSF1	128	8	2000
		1001020	53829.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 8B	1001021	54481.74	HRI_IR	BINSF1	128	8	1436
		1001022	54622.74	HRI_IR	BINSF1	128	8	1436
		1001023	54763.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 9A	1001024	60767.06	HRI_IR	BINSF1	128	8	2000
		1001025	60898.06	HRI_IR	BINSF1	128	8	2000
		1001026	61029.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 9B	1001027	61681.74	HRI_IR	BINSF1	128	8	1436
		1001028	61822.74	HRI_IR	BINSF1	128	8	1436
		1001029	61963.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 10A	1002000	67967.06	HRI_IR	BINSF1	128	8	2000
		1002001	68098.06	HRI_IR	BINSF1	128	8	2000
		1002002	68229.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 10B	1002003	68881.74	HRI_IR	BINSF1	128	8	1436
		1002004	69022.74	HRI_IR	BINSF1	128	8	1436
		1002005	69163.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 11A	1002006	75167.06	HRI_IR	BINSF1	128	8	2000
		1002007	75298.06	HRI_IR	BINSF1	128	8	2000
		1002008	75429.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 11B	1002009	76081.74	HRI_IR	BINSF1	128	8	1436
		1002010	76222.74	HRI_IR	BINSF1	128	8	1436
		1002011	76363.74	HRI_IR	BINSF1	128	8	1436
	Radiometry; N/S scans 12A	1002012	82367.06	HRI_IR	BINSF1	128	8	2000
		1002013	82498.06	HRI_IR	BINSF1	128	8	2000
		1002014	82629.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 12B	1002015	83281.74	HRI_IR	BINSF1	128	8	1436
		1002016	83422.74	HRI_IR	BINSF1	128	8	1436
		1002017	83563.74	HRI_IR	BINSF1	128	8	1436

EPOXI/EPOCh Earth Observations 2009 - HRII Sequence

Mission Timeline	Comments	EXP_ID	Sequence Time (sec)	Instrument ID	Image Mode	Image Size	Num. of Images	TRUE EXP Dur (ms)
	Radiometry; N/S scans 13A	1002018	89567.06	HRI_IR	BINSF1	128	8	2000
		1002019	89698.06	HRI_IR	BINSF1	128	8	2000
		1002020	89829.06	HRI_IR	BINSF1	128	8	2000
	Radiometry; N/S scans 13B	1002021	90481.74	HRI_IR	BINSF1	128	8	1436
		1002022	90622.74	HRI_IR	BINSF1	128	8	1436
		1002023	90763.74	HRI_IR	BINSF1	128	8	1436
	Darks	1002024	91751.00	HRI_IR	BINSF1	128	8	1436
	Darks	1002025	91769.03	HRI_IR	BINSF1	128	8	2000

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
	HRIV Radiometry 1a	1000001	3047.00	HRI_Vis	512	2	1	13	2
		1000002	3049.05	HRI_Vis	512	2	1	8	3
		1000003	3051.09	HRI_Vis	512	2	1	73	4
		1000004	3053.20	HRI_Vis	512	2	1	61	5
		1000005	3055.30	HRI_Vis	512	2	1	13	7
		1000006	3058.44	HRI_Vis	512	2	1	26	8
		1000007	3060.50	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 1b	1000008	3947.00	HRI_Vis	512	2	1	9	9
		1000009	3947.94	HRI_Vis	512	2	1	26	8
		1000010	3950.01	HRI_Vis	512	2	1	8	3
		1000011	3956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 1c	1000012	4847.00	HRI_Vis	512	2	1	13	2
		1000013	4847.95	HRI_Vis	512	2	1	8	3
		1000014	4849.99	HRI_Vis	512	2	1	26	8
		1000015	4856.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 1d	1000016	5747.00	HRI_Vis	512	2	1	9	9
		1000017	5747.94	HRI_Vis	512	2	1	26	8
		1000018	5750.01	HRI_Vis	512	2	1	8	3
		1000019	5756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 2a	1000020	6647.00	HRI_Vis	512	2	1	13	2
		1000021	6647.95	HRI_Vis	512	2	1	8	3
		1000022	6649.99	HRI_Vis	512	2	1	73	4
		1000023	6652.10	HRI_Vis	512	2	1	61	5
		1000024	6654.20	HRI_Vis	512	2	1	13	7
		1000025	6657.34	HRI_Vis	512	2	1	26	8
		1000026	6659.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 2b	1000027	7547.00	HRI_Vis	512	2	1	9	9
		1000028	7547.94	HRI_Vis	512	2	1	26	8
		1000029	7550.01	HRI_Vis	512	2	1	8	3
		1000030	7556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 2c	1000031	8447.00	HRI_Vis	512	2	1	13	2
		1000032	8447.95	HRI_Vis	512	2	1	8	3
		1000033	8449.99	HRI_Vis	512	2	1	26	8
		1000034	8456.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 2d	1000035	9347.00	HRI_Vis	512	2	1	9	9
		1000036	9347.94	HRI_Vis	512	2	1	26	8

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1000037	9350.01	HRI_Vis	512	2	1	8	3
		1000038	9356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 3a	1000039	10247.00	HRI_Vis	512	2	1	13	2
		1000040	10247.95	HRI_Vis	512	2	1	8	3
		1000041	10249.99	HRI_Vis	512	2	1	73	4
		1000042	10252.10	HRI_Vis	512	2	1	61	5
		1000043	10254.20	HRI_Vis	512	2	1	13	7
		1000044	10257.34	HRI_Vis	512	2	1	26	8
		1000045	10259.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 3b	1000046	11147.00	HRI_Vis	512	2	1	9	9
		1000047	11147.94	HRI_Vis	512	2	1	26	8
		1000048	11150.01	HRI_Vis	512	2	1	8	3
		1000049	11156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 3c	1000050	12047.00	HRI_Vis	512	2	1	13	2
		1000051	12047.95	HRI_Vis	512	2	1	8	3
		1000052	12049.99	HRI_Vis	512	2	1	26	8
		1000053	12056.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 3d	1000054	12947.00	HRI_Vis	512	2	1	9	9
		1000055	12947.94	HRI_Vis	512	2	1	26	8
		1000056	12950.01	HRI_Vis	512	2	1	8	3
		1000057	12956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 4a	1000058	13847.00	HRI_Vis	512	2	1	13	2
		1000059	13847.95	HRI_Vis	512	2	1	8	3
		1000060	13849.99	HRI_Vis	512	2	1	73	4
		1000061	13852.10	HRI_Vis	512	2	1	61	5
		1000062	13854.20	HRI_Vis	512	2	1	13	7
		1000063	13857.34	HRI_Vis	512	2	1	26	8
		1000064	13859.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 4b	1000065	14747.00	HRI_Vis	512	2	1	9	9
		1000066	14747.94	HRI_Vis	512	2	1	26	8
		1000067	14750.01	HRI_Vis	512	2	1	8	3
		1000068	14756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 4c	1000069	15647.00	HRI_Vis	512	2	1	13	2
		1000070	15647.95	HRI_Vis	512	2	1	8	3
		1000071	15649.99	HRI_Vis	512	2	1	26	8

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1000072	15656.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 4d	1000073	16547.00	HRI_Vis	512	2	1	9	9
		1000074	16547.94	HRI_Vis	512	2	1	26	8
		1000075	16550.01	HRI_Vis	512	2	1	8	3
		1000076	16556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 5a	1000077	17447.00	HRI_Vis	512	2	1	13	2
		1000078	17447.95	HRI_Vis	512	2	1	8	3
		1000079	17449.99	HRI_Vis	512	2	1	73	4
		1000080	17452.10	HRI_Vis	512	2	1	61	5
		1000081	17454.20	HRI_Vis	512	2	1	13	7
		1000082	17457.34	HRI_Vis	512	2	1	26	8
		1000083	17459.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 5b	1000084	18347.00	HRI_Vis	512	2	1	9	9
		1000085	18347.94	HRI_Vis	512	2	1	26	8
		1000086	18350.01	HRI_Vis	512	2	1	8	3
		1000087	18356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 5c	1000088	19247.00	HRI_Vis	512	2	1	13	2
		1000089	19247.95	HRI_Vis	512	2	1	8	3
		1000090	19249.99	HRI_Vis	512	2	1	26	8
		1000091	19256.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 5d	1000092	20147.00	HRI_Vis	512	2	1	9	9
		1000093	20147.94	HRI_Vis	512	2	1	26	8
		1000094	20150.01	HRI_Vis	512	2	1	8	3
		1000095	20156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 6a	1000096	21047.00	HRI_Vis	512	2	1	13	2
		1000097	21047.95	HRI_Vis	512	2	1	8	3
		1000098	21049.99	HRI_Vis	512	2	1	73	4
		1000099	21052.10	HRI_Vis	512	2	1	61	5
		1000100	21054.20	HRI_Vis	512	2	1	13	7
		1000101	21057.34	HRI_Vis	512	2	1	26	8
		1000102	21059.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 6b	1000103	21947.00	HRI_Vis	512	2	1	9	9
		1000104	21947.94	HRI_Vis	512	2	1	26	8
		1000105	21950.01	HRI_Vis	512	2	1	8	3
		1000106	21956.45	HRI_Vis	512	2	1	13	2

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
	HRIV Radiometry 6c	1000107	22847.00	HRI_Vis	512	2	1	13	2
		1000108	22847.95	HRI_Vis	512	2	1	8	3
		1000109	22849.99	HRI_Vis	512	2	1	26	8
		1000110	22856.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 6d	1000111	23747.00	HRI_Vis	512	2	1	9	9
		1000112	23747.94	HRI_Vis	512	2	1	26	8
		1000113	23750.01	HRI_Vis	512	2	1	8	3
		1000114	23756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 7a	1000115	24647.00	HRI_Vis	512	2	1	13	2
		1000116	24647.95	HRI_Vis	512	2	1	8	3
		1000117	24649.99	HRI_Vis	512	2	1	73	4
		1000118	24652.10	HRI_Vis	512	2	1	61	5
		1000119	24654.20	HRI_Vis	512	2	1	13	7
		1000120	24657.34	HRI_Vis	512	2	1	26	8
		1000121	24659.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 7b	1000122	25547.00	HRI_Vis	512	2	1	9	9
		1000123	25547.94	HRI_Vis	512	2	1	26	8
		1000124	25550.01	HRI_Vis	512	2	1	8	3
		1000125	25556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 7c	1000126	26447.00	HRI_Vis	512	2	1	13	2
		1000127	26447.95	HRI_Vis	512	2	1	8	3
		1000128	26449.99	HRI_Vis	512	2	1	26	8
		1000129	26456.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 7d	1000130	27347.00	HRI_Vis	512	2	1	9	9
		1000131	27347.94	HRI_Vis	512	2	1	26	8
		1000132	27350.01	HRI_Vis	512	2	1	8	3
		1000133	27356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 8a	1000134	28247.00	HRI_Vis	512	2	1	13	2
		1000135	28247.95	HRI_Vis	512	2	1	8	3
		1000136	28249.99	HRI_Vis	512	2	1	73	4
		1000137	28252.10	HRI_Vis	512	2	1	61	5
		1000138	28254.20	HRI_Vis	512	2	1	13	7
		1000139	28257.34	HRI_Vis	512	2	1	26	8
		1000140	28259.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 8b	1000141	29147.00	HRI_Vis	512	2	1	9	9

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1000142	29147.94	HRI_Vis	512	2	1	26	8
		1000143	29150.01	HRI_Vis	512	2	1	8	3
		1000144	29156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 8c	1000145	30047.00	HRI_Vis	512	2	1	13	2
		1000146	30047.95	HRI_Vis	512	2	1	8	3
		1000147	30049.99	HRI_Vis	512	2	1	26	8
		1000148	30056.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 8d	1000149	30947.00	HRI_Vis	512	2	1	9	9
		1000150	30947.94	HRI_Vis	512	2	1	26	8
		1000151	30950.01	HRI_Vis	512	2	1	8	3
		1000152	30956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 9a	1000153	31847.00	HRI_Vis	512	2	1	13	2
		1000154	31847.95	HRI_Vis	512	2	1	8	3
		1000155	31849.99	HRI_Vis	512	2	1	73	4
		1000156	31852.10	HRI_Vis	512	2	1	61	5
		1000157	31854.20	HRI_Vis	512	2	1	13	7
		1000158	31857.34	HRI_Vis	512	2	1	26	8
		1000159	31859.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 9b	1000160	32747.00	HRI_Vis	512	2	1	9	9
		1000161	32747.94	HRI_Vis	512	2	1	26	8
		1000162	32750.01	HRI_Vis	512	2	1	8	3
		1000163	32756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 9c	1000164	33647.00	HRI_Vis	512	2	1	13	2
		1000165	33647.95	HRI_Vis	512	2	1	8	3
		1000166	33649.99	HRI_Vis	512	2	1	26	8
		1000167	33656.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 9d	1000168	34547.00	HRI_Vis	512	2	1	9	9
		1000169	34547.94	HRI_Vis	512	2	1	26	8
		1000170	34550.01	HRI_Vis	512	2	1	8	3
		1000171	34556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 10a	1000172	35447.00	HRI_Vis	512	2	1	13	2
		1000173	35447.95	HRI_Vis	512	2	1	8	3
		1000174	35449.99	HRI_Vis	512	2	1	73	4
		1000175	35452.10	HRI_Vis	512	2	1	61	5
		1000176	35454.20	HRI_Vis	512	2	1	13	7

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1000177	35457.34	HRI_Vis	512	2	1	26	8
		1000178	35459.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 10b	1000179	36347.00	HRI_Vis	512	2	1	9	9
		1000180	36347.94	HRI_Vis	512	2	1	26	8
		1000181	36350.01	HRI_Vis	512	2	1	8	3
		1000182	36356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 10c	1000183	37247.00	HRI_Vis	512	2	1	13	2
		1000184	37247.95	HRI_Vis	512	2	1	8	3
		1000185	37249.99	HRI_Vis	512	2	1	26	8
		1000186	37256.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 10d	1000187	38147.00	HRI_Vis	512	2	1	9	9
		1000188	38147.94	HRI_Vis	512	2	1	26	8
		1000189	38150.01	HRI_Vis	512	2	1	8	3
		1000190	38156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 11a	1000191	39047.00	HRI_Vis	512	2	1	13	2
		1000192	39047.95	HRI_Vis	512	2	1	8	3
		1000193	39049.99	HRI_Vis	512	2	1	73	4
		1000194	39052.10	HRI_Vis	512	2	1	61	5
		1000195	39054.20	HRI_Vis	512	2	1	13	7
		1000196	39057.34	HRI_Vis	512	2	1	26	8
		1000197	39059.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 11b	1000198	39947.00	HRI_Vis	512	2	1	9	9
		1000199	39947.94	HRI_Vis	512	2	1	26	8
		1000200	39950.01	HRI_Vis	512	2	1	8	3
		1000201	39956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 11c	1000202	40847.00	HRI_Vis	512	2	1	13	2
		1000203	40847.95	HRI_Vis	512	2	1	8	3
		1000204	40849.99	HRI_Vis	512	2	1	26	8
		1000205	40856.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 11d	1000206	41747.00	HRI_Vis	512	2	1	9	9
		1000207	41747.94	HRI_Vis	512	2	1	26	8
		1000208	41750.01	HRI_Vis	512	2	1	8	3
		1000209	41756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 12a	1000210	42647.00	HRI_Vis	512	2	1	13	2
		1000211	42647.95	HRI_Vis	512	2	1	8	3

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1000212	42649.99	HRI_Vis	512	2	1	73	4
		1000213	42652.10	HRI_Vis	512	2	1	61	5
		1000214	42654.20	HRI_Vis	512	2	1	13	7
		1000215	42657.34	HRI_Vis	512	2	1	26	8
		1000216	42659.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 12b	1000217	43547.00	HRI_Vis	512	2	1	9	9
		1000218	43547.94	HRI_Vis	512	2	1	26	8
		1000219	43550.01	HRI_Vis	512	2	1	8	3
		1000220	43556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 12c	1000221	44447.00	HRI_Vis	512	2	1	13	2
		1000222	44447.95	HRI_Vis	512	2	1	8	3
		1000223	44449.99	HRI_Vis	512	2	1	26	8
		1000224	44456.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 12d	1000225	45347.00	HRI_Vis	512	2	1	9	9
		1000226	45347.94	HRI_Vis	512	2	1	26	8
		1000227	45350.01	HRI_Vis	512	2	1	8	3
		1000228	45356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 13a	1001000	46247.00	HRI_Vis	512	2	1	13	2
		1001001	46247.95	HRI_Vis	512	2	1	8	3
		1001002	46249.99	HRI_Vis	512	2	1	73	4
		1001003	46252.10	HRI_Vis	512	2	1	61	5
		1001004	46254.20	HRI_Vis	512	2	1	13	7
		1001005	46257.34	HRI_Vis	512	2	1	26	8
		1001006	46259.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 13b	1001007	47147.00	HRI_Vis	512	2	1	9	9
		1001008	47147.94	HRI_Vis	512	2	1	26	8
		1001009	47150.01	HRI_Vis	512	2	1	8	3
		1001010	47156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 13c	1001011	48047.00	HRI_Vis	512	2	1	13	2
		1001012	48047.95	HRI_Vis	512	2	1	8	3
		1001013	48049.99	HRI_Vis	512	2	1	26	8
		1001014	48056.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 13d	1001015	48947.00	HRI_Vis	512	2	1	9	9
		1001016	48947.94	HRI_Vis	512	2	1	26	8
		1001017	48950.01	HRI_Vis	512	2	1	8	3

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1001018	48956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 14a	1001019	49847.00	HRI_Vis	512	2	1	13	2
		1001020	49847.95	HRI_Vis	512	2	1	8	3
		1001021	49849.99	HRI_Vis	512	2	1	73	4
		1001022	49852.10	HRI_Vis	512	2	1	61	5
		1001023	49854.20	HRI_Vis	512	2	1	13	7
		1001024	49857.34	HRI_Vis	512	2	1	26	8
		1001025	49859.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 14b	1001026	50747.00	HRI_Vis	512	2	1	9	9
		1001027	50747.94	HRI_Vis	512	2	1	26	8
		1001028	50750.01	HRI_Vis	512	2	1	8	3
		1001029	50756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 14c	1001030	51647.00	HRI_Vis	512	2	1	13	2
		1001031	51647.95	HRI_Vis	512	2	1	8	3
		1001032	51649.99	HRI_Vis	512	2	1	26	8
		1001033	51656.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 14d	1001034	52547.00	HRI_Vis	512	2	1	9	9
		1001035	52547.94	HRI_Vis	512	2	1	26	8
		1001036	52550.01	HRI_Vis	512	2	1	8	3
		1001037	52556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 15a	1001038	53447.00	HRI_Vis	512	2	1	13	2
		1001039	53447.95	HRI_Vis	512	2	1	8	3
		1001040	53449.99	HRI_Vis	512	2	1	73	4
		1001041	53452.10	HRI_Vis	512	2	1	61	5
		1001042	53454.20	HRI_Vis	512	2	1	13	7
		1001043	53457.34	HRI_Vis	512	2	1	26	8
		1001044	53459.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 15b	1001045	54347.00	HRI_Vis	512	2	1	9	9
		1001046	54347.94	HRI_Vis	512	2	1	26	8
		1001047	54350.01	HRI_Vis	512	2	1	8	3
		1001048	54356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 15c	1001049	55247.00	HRI_Vis	512	2	1	13	2
		1001050	55247.95	HRI_Vis	512	2	1	8	3
		1001051	55249.99	HRI_Vis	512	2	1	26	8
		1001052	55256.45	HRI_Vis	512	2	1	9	9

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
	HRIV Radiometry 15d	1001053	56147.00	HRI_Vis	512	2	1	9	9
		1001054	56147.94	HRI_Vis	512	2	1	26	8
		1001055	56150.01	HRI_Vis	512	2	1	8	3
		1001056	56156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 16a	1001057	57047.00	HRI_Vis	512	2	1	13	2
		1001058	57047.95	HRI_Vis	512	2	1	8	3
		1001059	57049.99	HRI_Vis	512	2	1	73	4
		1001060	57052.10	HRI_Vis	512	2	1	61	5
		1001061	57054.20	HRI_Vis	512	2	1	13	7
		1001062	57057.34	HRI_Vis	512	2	1	26	8
		1001063	57059.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 16b	1001064	57947.00	HRI_Vis	512	2	1	9	9
		1001065	57947.94	HRI_Vis	512	2	1	26	8
		1001066	57950.01	HRI_Vis	512	2	1	8	3
		1001067	57956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 16c	1001068	58847.00	HRI_Vis	512	2	1	13	2
		1001069	58847.95	HRI_Vis	512	2	1	8	3
		1001070	58849.99	HRI_Vis	512	2	1	26	8
		1001071	58856.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 16d	1001072	59747.00	HRI_Vis	512	2	1	9	9
		1001073	59747.94	HRI_Vis	512	2	1	26	8
		1001074	59750.01	HRI_Vis	512	2	1	8	3
		1001075	59756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 17a	1001076	60647.00	HRI_Vis	512	2	1	13	2
		1001077	60647.95	HRI_Vis	512	2	1	8	3
		1001078	60649.99	HRI_Vis	512	2	1	73	4
		1001079	60652.10	HRI_Vis	512	2	1	61	5
		1001080	60654.20	HRI_Vis	512	2	1	13	7
		1001081	60657.34	HRI_Vis	512	2	1	26	8
		1001082	60659.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 17b	1001083	61547.00	HRI_Vis	512	2	1	9	9
		1001084	61547.94	HRI_Vis	512	2	1	26	8
		1001085	61550.01	HRI_Vis	512	2	1	8	3
		1001086	61556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 17c	1001087	62447.00	HRI_Vis	512	2	1	13	2

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1001088	62447.95	HRI_Vis	512	2	1	8	3
		1001089	62449.99	HRI_Vis	512	2	1	26	8
		1001090	62456.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 17d	1001091	63347.00	HRI_Vis	512	2	1	9	9
		1001092	63347.94	HRI_Vis	512	2	1	26	8
		1001093	63350.01	HRI_Vis	512	2	1	8	3
		1001094	63356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 18a	1001095	64247.00	HRI_Vis	512	2	1	13	2
		1001096	64247.95	HRI_Vis	512	2	1	8	3
		1001097	64249.99	HRI_Vis	512	2	1	73	4
		1001098	64252.10	HRI_Vis	512	2	1	61	5
		1001099	64254.20	HRI_Vis	512	2	1	13	7
		1001100	64257.34	HRI_Vis	512	2	1	26	8
		1001101	64259.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 18b	1001102	65147.00	HRI_Vis	512	2	1	9	9
		1001103	65147.94	HRI_Vis	512	2	1	26	8
		1001104	65150.01	HRI_Vis	512	2	1	8	3
		1001105	65156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 18c	1001106	66047.00	HRI_Vis	512	2	1	13	2
		1001107	66047.95	HRI_Vis	512	2	1	8	3
		1001108	66049.99	HRI_Vis	512	2	1	26	8
		1001109	66056.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 18d	1001110	66947.00	HRI_Vis	512	2	1	9	9
		1001111	66947.94	HRI_Vis	512	2	1	26	8
		1001112	66950.01	HRI_Vis	512	2	1	8	3
		1001113	66956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 19a	1001114	67847.00	HRI_Vis	512	2	1	13	2
		1001115	67847.95	HRI_Vis	512	2	1	8	3
		1001116	67849.99	HRI_Vis	512	2	1	73	4
		1001117	67852.10	HRI_Vis	512	2	1	61	5
		1001118	67854.20	HRI_Vis	512	2	1	13	7
		1001119	67857.34	HRI_Vis	512	2	1	26	8
		1001120	67859.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 19b	1001121	68747.00	HRI_Vis	512	2	1	9	9
		1001122	68747.94	HRI_Vis	512	2	1	26	8

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1001123	68750.01	HRI_Vis	512	2	1	8	3
		1001124	68756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 19c	1001125	69647.00	HRI_Vis	512	2	1	13	2
		1001126	69647.95	HRI_Vis	512	2	1	8	3
		1001127	69649.99	HRI_Vis	512	2	1	26	8
		1001128	69656.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 19d	1001129	70547.00	HRI_Vis	512	2	1	9	9
		1001130	70547.94	HRI_Vis	512	2	1	26	8
		1001131	70550.01	HRI_Vis	512	2	1	8	3
		1001132	70556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 20a	1001133	71447.00	HRI_Vis	512	2	1	13	2
		1001134	71447.95	HRI_Vis	512	2	1	8	3
		1001135	71449.99	HRI_Vis	512	2	1	73	4
		1001136	71452.10	HRI_Vis	512	2	1	61	5
		1001137	71454.20	HRI_Vis	512	2	1	13	7
		1001138	71457.34	HRI_Vis	512	2	1	26	8
		1001139	71459.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 20b	1001140	72347.00	HRI_Vis	512	2	1	9	9
		1001141	72347.94	HRI_Vis	512	2	1	26	8
		1001142	72350.01	HRI_Vis	512	2	1	8	3
		1001143	72356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 20c	1001144	73247.00	HRI_Vis	512	2	1	13	2
		1001145	73247.95	HRI_Vis	512	2	1	8	3
		1001146	73249.99	HRI_Vis	512	2	1	26	8
		1001147	73256.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 20d	1001148	74147.00	HRI_Vis	512	2	1	9	9
		1001149	74147.94	HRI_Vis	512	2	1	26	8
		1001150	74150.01	HRI_Vis	512	2	1	8	3
		1001151	74156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 21a	1001152	75047.00	HRI_Vis	512	2	1	13	2
		1001153	75047.95	HRI_Vis	512	2	1	8	3
		1001154	75049.99	HRI_Vis	512	2	1	73	4
		1001155	75052.10	HRI_Vis	512	2	1	61	5
		1001156	75054.20	HRI_Vis	512	2	1	13	7
		1001157	75057.34	HRI_Vis	512	2	1	26	8

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1001158	75059.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 21b	1001159	75947.00	HRI_Vis	512	2	1	9	9
		1001160	75947.94	HRI_Vis	512	2	1	26	8
		1001161	75950.01	HRI_Vis	512	2	1	8	3
		1001162	75956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 21c	1001163	76847.00	HRI_Vis	512	2	1	13	2
		1001164	76847.95	HRI_Vis	512	2	1	8	3
		1001165	76849.99	HRI_Vis	512	2	1	26	8
		1001166	76856.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 21d	1001167	77747.00	HRI_Vis	512	2	1	9	9
		1001168	77747.94	HRI_Vis	512	2	1	26	8
		1001169	77750.01	HRI_Vis	512	2	1	8	3
		1001170	77756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 22a	1001171	78647.00	HRI_Vis	512	2	1	13	2
		1001172	78647.95	HRI_Vis	512	2	1	8	3
		1001173	78649.99	HRI_Vis	512	2	1	73	4
		1001174	78652.10	HRI_Vis	512	2	1	61	5
		1001175	78654.20	HRI_Vis	512	2	1	13	7
		1001176	78657.34	HRI_Vis	512	2	1	26	8
		1001177	78659.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 22b	1001178	79547.00	HRI_Vis	512	2	1	9	9
		1001179	79547.94	HRI_Vis	512	2	1	26	8
		1001180	79550.01	HRI_Vis	512	2	1	8	3
		1001181	79556.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 22c	1001182	80447.00	HRI_Vis	512	2	1	13	2
		1001183	80447.95	HRI_Vis	512	2	1	8	3
		1001184	80449.99	HRI_Vis	512	2	1	26	8
		1001185	80456.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 22d	1001186	81347.00	HRI_Vis	512	2	1	9	9
		1001187	81347.94	HRI_Vis	512	2	1	26	8
		1001188	81350.01	HRI_Vis	512	2	1	8	3
		1001189	81356.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 23a	1001190	82247.00	HRI_Vis	512	2	1	13	2
		1001191	82247.95	HRI_Vis	512	2	1	8	3
		1001192	82249.99	HRI_Vis	512	2	1	73	4

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
		1001193	82252.10	HRI_Vis	512	2	1	61	5
		1001194	82254.20	HRI_Vis	512	2	1	13	7
		1001195	82257.34	HRI_Vis	512	2	1	26	8
		1001196	82259.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 23b	1001197	83147.00	HRI_Vis	512	2	1	9	9
		1001198	83147.94	HRI_Vis	512	2	1	26	8
		1001199	83150.01	HRI_Vis	512	2	1	8	3
		1001200	83156.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 23c	1001201	84047.00	HRI_Vis	512	2	1	13	2
		1001202	84047.95	HRI_Vis	512	2	1	8	3
		1001203	84049.99	HRI_Vis	512	2	1	26	8
		1001204	84056.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 23d	1001205	84947.00	HRI_Vis	512	2	1	9	9
		1001206	84947.94	HRI_Vis	512	2	1	26	8
		1001207	84950.01	HRI_Vis	512	2	1	8	3
		1001208	84956.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 24a	1001209	85847.00	HRI_Vis	512	2	1	13	2
		1001210	85847.95	HRI_Vis	512	2	1	8	3
		1001211	85849.99	HRI_Vis	512	2	1	73	4
		1001212	85852.10	HRI_Vis	512	2	1	61	5
		1001213	85854.20	HRI_Vis	512	2	1	13	7
		1001214	85857.34	HRI_Vis	512	2	1	26	8
		1001215	85859.40	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 24b	1001216	86747.00	HRI_Vis	512	2	1	9	9
		1001217	86747.94	HRI_Vis	512	2	1	26	8
		1001218	86750.01	HRI_Vis	512	2	1	8	3
		1001219	86756.45	HRI_Vis	512	2	1	13	2
	HRIV Radiometry 24c	1001220	87647.00	HRI_Vis	512	2	1	13	2
		1001221	87647.95	HRI_Vis	512	2	1	8	3
		1001222	87649.99	HRI_Vis	512	2	1	26	8
		1001223	87656.45	HRI_Vis	512	2	1	9	9
	HRIV Radiometry 24d	1001224	88547.00	HRI_Vis	512	2	1	9	9
		1001225	88547.94	HRI_Vis	512	2	1	26	8
		1001226	88550.01	HRI_Vis	512	2	1	8	3
		1001227	88556.45	HRI_Vis	512	2	1	13	2

EPOXI/EPOCH Earth Observations 2009 - 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.
EarthObs	IR ICB Reset Frame ***	1000000	1.00	HRI_Vis	64	8	1	50	1
	HRIV Radiometry 25a	1001228	89447.00	HRI_Vis	512	2	1	13	2
		1001229	89447.95	HRI_Vis	512	2	1	8	3
		1001230	89449.99	HRI_Vis	512	2	1	73	4
		1001231	89452.10	HRI_Vis	512	2	1	61	5
		1001232	89454.20	HRI_Vis	512	2	1	13	7
		1001233	89457.34	HRI_Vis	512	2	1	26	8
		1001234	89459.40	HRI_Vis	512	2	1	9	9
	Darks	1001235	89471.45	HRI_Vis	512	2	2	13	1
		1001236	89491.94	HRI_Vis	512	2	2	8	1
		1001237	89503.63	HRI_Vis	512	2	2	73	1
		1001238	89515.45	HRI_Vis	512	2	2	61	1
		1001239	89527.24	HRI_Vis	512	2	2	13	1
		1001240	89538.93	HRI_Vis	512	2	2	26	1
		1001241	89550.66	HRI_Vis	512	2	2	9	1
	IR ICB Reset Frame ***	1001242	89552.34	HRI_Vis	64	8	1	50	1

*** ICB Reset Frames are used to reset the Instr. Controller Board before IR data acquisition; having no scientific value, these engineering frames are not archived.

EPOXI/EPOCH Earth Observations 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.
EarthObs	IR N/S scan context image 1A	1000000	3176.20	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 1B	1000001	4090.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 2A	1000002	10379.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 2B	1000003	11290.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 3A	1000004	17579.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 3B	1000005	18490.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 4A	1000006	24779.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 4B	1000007	25690.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 5A	1000008	31979.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 5B	1000009	32890.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 6A	1000010	39179.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 6B	1000011	40090.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 7A	1000012	46379.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 7B	1000013	47290.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 8A	1000014	53579.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 8B	1000015	54490.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 9A	1000016	60779.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 9B	1000017	61690.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 10A	1000018	67979.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 10B	1000019	68890.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 11A	1000020	75179.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 11B	1000021	76090.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 12A	1000022	82379.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 12B	1000023	83290.08	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 13A	1000024	89579.50	MRI_Vis	512	2	1	4	4
	IR N/S scan context image 13B	1000025	90490.08	MRI_Vis	512	2	1	4	4