

List of RAPID Patches, as of 2024 Sep 30

S/C	Date/Time	ESOC name	IPCH file	Comment
1	2001-02-21 08:26:00			Set sun in sector 13 correctly.
2	2001-02-21 13:58:00			Set sun in sector 13 correctly.
3	2001-02-21 09:17:00			Set sun in sector 13 correctly.
4	2001-02-21 07:58:00			Set sun in sector 13 correctly.
Not a true patch, but a command issued regularly.				
1	2001-05-18 09:30:00	LRAPE10	rap_0026	Patch to reprogram direct events, ISPCT, pitch angles.
		LRAPE11	rap_0027	2nd part of E patch.
		LRAPD32	rap_0023	FGM offsets V2, SC1
		LRAPC32	rap_0019	IES LUT V2, SC1
2	2001-05-18 13:04:00	LRAPE00	rap_0024	Patch to reprogram direct events, ISPCT, pitch angles.
		LRAPE01	rap_0025	2nd part of E patch.
		LRAPD02	rap_0020	FGM offsets V2, SC2
		LRAPC01	rap_0016	IES LUT V2, SC2
3	2001-04-26 15:07:00	LRAPE10	rap_0026	Patch to reprogram direct events, ISPCT, pitch angles.
		LRAPE11	rap_0027	2nd part of E patch.
		LRAPD12	rap_0021	FGM offsets V2, SC3
		LRAPC12	rap_0017	IES LUT V2, SC3
4	2001-05-18 07:52:00	LRAPE10	rap_0026	Patch to reprogram direct events, ISPCT, pitch angles.
		LRAPE11	rap_0027	2nd part of E patch.
		LRAPD22	rap_0022	FGM offsets V2, SC4
		LRAPC22	rap_0018	IES LUT V2, SC14
1	2001-07-27 04:45:00	LRAPE30	rap_0029	Revised E patch.
2	2002-04-12 13:48:00	LRAPE20	rap_0028	Revised E patch.
3	2001-09-07 19:28:00	LRAPE30	rap_0029	Revised E patch.
4	2002-02-06 13:59:00	LRAPE30	rap_0029	Revised E patch.
Revised E patch available since 2001 July 23; first uploads as listed above.				

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S/C	Date/Time	ESOC name	IPCH file	Comment
1	2002-01-25 08:45:00	LRAPG10	rap_0031	Improved IES autoswitching.
2	2002-01-25 08:25:00	LRAPG00	rap_0030	Improved IES autoswitching.
3	2002-01-25 13:59:00	LRAPG10	rap_0031	Improved IES autoswitching.
4	2002-01-25 10:39:00	LRAPG10	rap_0031	Improved IES autoswitching.
1	2002-04-11 08:45:00	LRAPD36	rap_0049	FGM offsets V5, SC1
2	2002-04-12 13:48:00	LRAPD06	rap_0046	FGM offsets V5, SC2
3	2002-04-11 09:01:00	LRAPD16	rap_0047	FGM offsets V5, SC3
4	2002-04-11 10:30:00	LRAPD26	rap_0048	FGM offsets V5, SC4
1	2002-04-30 09:39:00	LRAPD32	rap_0023	FGM V2 loaded by mistake
1	2002-05-13 07:18:00	LRAPD36	rap_0049	FGM V5, correct upload
1	2002-07-25 08:15:00	LRAPC33	rap_0055	IES LUT V3, SC1
		LRAPG11	rap_0051	IES autosw, 2nd update Accum. times set to 57 ms
2	2002-07-23 08:28:00	LRAPC03	rap_0052	IES LUT V3, SC2
		LRAPG01	rap_0050	IES autosw, 2nd update Accum. times set to 57 ms
3	2002-07-23 07:24:00	LRAPC13	rap_0053	IES LUT V3, SC3
		LRAPG11	rap_0051	IES autosw, 2nd update Accum. times set to 57 ms
4	2002-07-30 07:16:42	LRAPC23	rap_0054	IES LUT V3, SC4
		LRAPG11	rap_0051	IES autosw, 2nd update Accum. times set to 57 ms
1	2002-08-08 08:22:00			Accum. times back to 60 ms
2	2002-08-08 09:43:00			Accum. times back to 60 ms
3	2002-08-08 10:02:00			Accum. times back to 60 ms
4	2002-08-08 07:18:00			Accum. times back to 60 ms
1	2003-04-03 08:43:00	LRAPD37	rap_0059	FGM offsets V6, SC1
2	2003-04-03 11:38:00	LRAPD07	rap_0056	FGM offsets V6, SC2
3	2003-04-03 11:50:00	LRAPD17	rap_0057	FGM offsets V6, SC3
4	2003-04-02 08:28:00	LRAPD27	rap_0058	FGM offsets V6, SC4
1	2004-03-08 12:57:00	LRAPD38	rap_0063	FGM offsets V8, SC1
2	2004-03-09 09:14:00	LRAPD08	rap_0060	FGM offsets V8, SC2
3	2004-03-08 13:30:00	LRAPD18	rap_0061	FGM offsets V8, SC3
4	2004-03-09 13:35:00	LRAPD28	rap_0062	FGM offsets V8, SC4

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S/C	Date/Time	ESOC name	IPCH file	Comment
1	2004-04-20 10:00:00	LRAPE50	rap_0065	Patch with L3DD, prelim
1	2004-04-27 11:30:00	LRAPE60	rap_0066	Patch with L3DD, final
3	2004-04-30 07:19:00	LRAPE60	rap_0066	Patch with L3DD, final
4	2004-05-03 11:19:00	LRAPE60	rap_0066	Patch with L3DD, final
2	2004-05-13 15:38:00	LRAPE40	rap_0064	Patch with L3DD, final
1	2004-06-16 08:17:00	LRAPD39	rap_0070	FGM offsets V9, SC1, $\equiv$ V8
2	2004-06-16 08:17:00	LRAPD09	rap_0067	FGM offsets V9, SC2, $\equiv$ V8
3	2004-06-16 08:17:00	LRAPD19	rap_0068	FGM offsets V9, SC3, $\equiv$ V8
4	2004-06-16 08:17:00	LRAPD29	rap_0069	FGM offsets V9, SC4
1	2004-12-13 10:55:00	LRAPD70	rap_0074	FGM offsets V10, SC1
2	2004-12-13 10:44:00	LRAPD40	rap_0071	FGM offsets V10, SC2
3	2004-12-13 12:03:00	LRAPD50	rap_0072	FGM offsets V10, SC3
4	2004-12-13 09:40:00	LRAPD60	rap_0073	FGM offsets V10, SC4
1	2006-03-21 13:12:00	LRAPD71	rap_0075	Corrected FGM V10, SC1 Minor error removed
1	2006-05-04 08:03:00	LRAPD75	rap_0079	FGM offsets V11, SC1
2	2006-05-05 07:43:00	LRAPD72	rap_0080	FGM offsets V11, SC2
3	2006-05-11 15:37:00	LRAPD73	rap_0077	FGM offsets V11, SC3
4	2006-05-09 12:27:00	LRAPD74	rap_0078	FGM offsets V11, SC4
1	2006-09-21 11:30:00	LRAPC34	rap_0084	IES LUT V4, SC1
2	2006-09-21 13:33:00	LRAPC04	rap_0081	IES LUT V4, SC2
3	2006-08-28 12:46:00	LRAPC14	rap_0082	IES LUT V4, SC3
4	2006-09-19 15:03:00	LRAPC24	rap_0083	IES LUT V4, SC4
1	2006-12-19 12:59:00	LRAPD79	rap_0092	FGM offsets V12, SC1
2	2006-12-19 09:14:00	LRAPD76	rap_0089	FGM offsets V12, SC2
3	2006-12-20 07:33:00	LRAPD77	rap_0090	FGM offsets V12, SC3
4	2006-12-20 11:06:00	LRAPD78	rap_0091	FGM offsets V12, SC4

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S/C	Date/Time	ESOC name	IPCH file	Comment
All patches resubmitted and some with reduced block sizes, for new uploading method. Times below are when each one first uploaded. Note the FGM offsets have been updated too.				
2	2007-05-02 09:33:00	LRAPE40	rap_0111	Patch E with L3DD
2	2007-05-02 09:33:00	LRAPE41	rap_0095	E Activation
2	2007-05-02 09:33:00	LRAPD80	rap_0108	FGM OFFSET SC2 V13
2	2007-05-02 09:33:00	LRAPC04	rap_0113	IES LUT V4, SC2
2	2007-05-02 09:33:00	LRAPG01	rap_0097	IES Autoswitching
1	2007-05-09 07:30:00	LRAPE60	rap_0112	Patch E with L3DD
1	2007-05-09 07:30:00	LRAPE11	rap_0096	E Activation
1	2007-05-09 07:30:00	LRAPD79	rap_0107	FGM OFFSET SC1 V13
1	2007-05-09 07:30:00	LRAPC34	rap_0116	IES LUT V4, SC1
1	2007-05-09 07:30:00	LRAPG11	rap_0098	IES Autoswitching
3	2007-06-28 08:39:00	LRAPD81	rap_0109	FGM OFFSET SC3 V13
4	2007-06-28 10:16:00	LRAPD82	rap_0110	FGM OFFSET SC4 V13
SC3 has been so stable that repatch was seldom needed. It is not clear when the first repatch occurred with these revised patch files, but not likely before 2009-09-11 (partial repatch) and latest 2011-11-03. Since the contents are unchanged by these revisions, it is not really so important when they were first used.				
3	200?-??-?? ??:??:??	LRAPE60	rap_0112	Patch E with L3DD
3	200?-??-?? ??:??:??	LRAPE11	rap_0096	E Activation
3	200?-??-?? ??:??:??	LRAPC14	rap_0114	IES LUT V4, SC3
3	200?-??-?? ??:??:??	LRAPG11	rap_0098	IES Autoswitching
4	2007-09-25 16:51:00	LRAPE60	rap_0112	Patch E with L3DD
4	2007-09-25 16:51:00	LRAPE11	rap_0096	E Activation
4	2007-09-25 16:51:00	LRAPC24	rap_0115	IES LUT V4, SC4
4	2007-09-25 16:51:00	LRAPG11	rap_0098	IES Autoswitching
2	2008-04-11 07:52:00	LRAPD84	rap_0120	FGM OFFSET SC2 V14
3	2008-04-11 11:40:00	LRAPD85	rap_0121	FGM OFFSET SC3 V14
4	2008-04-11 12:35:00	LRAPD86	rap_0122	FGM OFFSET SC4 V14
1	2008-04-18 12:23:00	LRAPD83	rap_0119	FGM OFFSET SC1 V14
1	2011-11-01 08:25:38	LRAPC35	rap_0126	IES LUT V5, SC1
2	2011-10-28 14:14:28	LRAPC05	rap_0123	IES LUT V5, SC2
3	2011-11-01 16:48:38	LRAPC15	rap_0124	IES LUT V5, SC3
4	2011-10-28 16:00:58	LRAPC25	rap_0125	IES LUT V5, SC4

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S/C	Date/Time	ESOC name	IPCH file	Comment
1	2013-11-05 16:58:10	LRAPC36	rap_0130	IES LUT V6, SC1
		LRAPG12	rap_0132	IES Autoswitching
2	2013-11-06 19:22:57	LRAPC06	rap_0133	IES LUT V6, SC2
		LRAPG02	rap_0131	IES Autoswitching
3	2013-11-06 18:23:02	LRAPC16	rap_0128	IES LUT V6, SC3
		LRAPG12	rap_0132	IES Autoswitching
4	2013-11-06 14:49:27	LRAPC26	rap_0129	IES LUT V6, SC4
		LRAPG12	rap_0132	IES Autoswitching
1	2014-03-13 12:26:00	LRAPC37	rap_0134	IES LUT V7, SC1
1	2014-05-13 12:25:00	LRAPD87	rap_0135	FGM OFFSET SC1 V15
2	2014-05-13 10:40:00	LRAPD88	rap_0136	FGM OFFSET SC2 V15
3	2014-05-13 07:10:00	LRAPD89	rap_0137	FGM OFFSET SC3 V15
4	2014-05-15 13:00:00	LRAPD90	rap_0138	FGM OFFSET SC4 V15
1	2016-05-09 20:23:48	LRAPC38	rap_0142	IES LUT V8, SC1
2	2016-05-09 09:14:56	LRAPC08	rap_0139	IES LUT V8, SC2
3	2016-05-09 09:09:04	LRAPC18	rap_0140	IES LUT V8, SC3
4	2016-05-09 20:59:31	LRAPC28	rap_0141	IES LUT V8, SC4
1	2016-05-21 00:53:00	LRAPG13	rap_0145	IES Autoswitching V4
2	2016-05-19 09:35:00	LRAPG03	rap_0143	IES Autoswitching V4 (error)
2	2016-05-20 23:32:00	LRAPG04	rap_0146	IES Autoswitching V5
2	2016-06-17 02:53:00	LRAPG05	rap_0147	IES Autoswitching V6
3	2016-05-20 04:35:00	LRAPG13	rap_0145	IES Autoswitching V4
4	2016-05-20 04:28:00	LRAPG13	rap_0145	IES Autoswitching V4
1	2016-09-02 00:00:00	LRAPD91	rap_0148	FGM OFFSET SC1 V16
2	2016-09-02 00:00:00	LRAPD92	rap_0149	FGM OFFSET SC2 V16
3	2016-09-02 00:00:00	LRAPD93	rap_0150	FGM OFFSET SC3 V16
4	2016-09-02 00:00:00	LRAPD94	rap_0151	FGM OFFSET SC4 V16
1	2017-03-01 00:00:00	LRAPC39	rap_0155	IES LUT V9, SC1
2	2017-03-01 00:00:00	LRAPC09	rap_0152	IES LUT V9, SC2
3	2017-03-01 00:00:00	LRAPC19	rap_0153	IES LUT V9, SC3
4	2017-03-01 00:00:00	LRAPC29	rap_0154	IES LUT V9, SC4
1	2018-02-07 12:51:00	LRAPC1A	rap_0156	IES LUT V10, SC1
2	2018-02-08 19:51:16	LRAPC2A	rap_0157	IES LUT V10, SC2
3	2018-02-08 07:31:54	LRAPC3A	rap_0158	IES LUT V10, SC3
4	2018-02-06 14:53:45	LRAPC4A	rap_0159	IES LUT V10, SC4

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S/C	Date/Time	ESOC name	IPCH file	Comment
1	2018-09-08 19:15:00	LRAPD1A	rap_0160	FGM OFFSET SC1 V17
2	2018-09-08 20:42:00	LRAPD2A	rap_0161	FGM OFFSET SC2 V17
3	2018-09-06 19:12:00	LRAPD3A	rap_0162	FGM OFFSET SC3 V17
4	2018-09-06 17:49:00	LRAPD4A	rap_0163	FGM OFFSET SC4 V17
1	2018-09-18 10:20:00	LRAPC1B	rap_0164	IES LUT V11, SC1
2	2018-09-17 18:55:00	LRAPC2B	rap_0165	IES LUT V11, SC2
3	2018-09-18 18:05:00	LRAPC3B	rap_0166	IES LUT V11, SC3
4	2018-09-17 18:58:00	LRAPC4B	rap_0167	IES LUT V11, SC4
1	2019-09-12 20:00:00	LRAPC1C	rap_0168	IES LUT V12, SC1
2	2019-09-12 20:17:00	LRAPC2C	rap_0169	IES LUT V12, SC2
3	2019-09-02 22:36:00	LRAPC3C	rap_0170	IES LUT V12, SC3
4	2019-09-02 15:04:00	LRAPC4C	rap_0171	IES LUT V12, SC4
1	2020-09-12 00:00:00	LRAPD1B	rap_0172	FGM OFFSET SC1 V18
2	2020-09-12 00:00:00	LRAPD2B	rap_0173	FGM OFFSET SC2 V18
3	2020-09-12 00:00:00	LRAPD3B	rap_0174	FGM OFFSET SC3 V18
4	2020-09-12 00:00:00	LRAPD4B	rap_0175	FGM OFFSET SC4 V18
1	2020-09-12 00:00:00	LRAPC1D	rap_0176	IES LUT V13, SC1
2	2020-09-12 00:00:00	LRAPC2D	rap_0177	IES LUT V13, SC2
3	2020-09-12 00:00:00	LRAPC3D	rap_0178	IES LUT V13, SC3
4	2020-09-12 00:00:00	LRAPC4D	rap_0179	IES LUT V13, SC4
1	2020-10-21 12:20:00	LRAPC1E	rap_0180	IES LUT V14, SC1
3	2020-10-21 11:21:00	LRAPC3E	rap_0182	IES LUT V14, SC3
4	2020-10-21 12:32:00	LRAPC4E	rap_0183	IES LUT V14, SC4
2	2020-10-23 18:48:00	LRAPC2E	rap_0181	IES LUT V14, SC2
1	2021-09-12 00:00:00	LRAPC1F	rap_0184	IES LUT V15, SC1
2	2021-09-12 00:00:00	LRAPC2F	rap_0185	IES LUT V15, SC2
3	2021-09-12 00:00:00	LRAPC3F	rap_0186	IES LUT V15, SC3
4	2021-09-12 00:00:00	LRAPC4F	rap_0187	IES LUT V15, SC4
1	2022-03-15 00:00:00	LRAPC1G	rap_0188	IES LUT V16, SC1
2	2022-03-15 00:00:00	LRAPC2G	rap_0189	IES LUT V16, SC2
3	2022-03-15 00:00:00	LRAPC3G	rap_0190	IES LUT V16, SC3
4	2022-03-15 00:00:00	LRAPC4G	rap_0191	IES LUT V16, SC4

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S/C	Date/Time	ESOC name	IPCH file	Comment
3	2023-05-25 14:19:41	LRAPC3H	rap_0194	IES LUT V17, SC3
1	2023-05-30 08:59:37	LRAPC1H	rap_0192	IES LUT V17, SC1
2	2023-06-01 07:29:10	LRAPC2H	rap_0193	IES LUT V17, SC2
4	2023-06-01 13:49:08	LRAPC4H	rap_0195	IES LUT V17, SC4
3	2023-06-30 13:51:05	LRAPC3Hb	rap_0196	IES LUT V17b, SC3
4	2023-11-29 16:16:00	LRAPD4C	rap_0200	FGM OFFSET SC4 V19
2	2023-11-29 13:38:00	LRAPD2C	rap_0198	FGM OFFSET SC2 V19
3	2023-12-01 10:43:00	LRAPD3C	rap_0199	FGM OFFSET SC3 V19
4	2024-04-26 12:49:00	LRAPC4Hb	rap_0201	IES LUT V17b, SC4
3	2024-08-22 09:11:02	LRAPC3J	rap_0202	IES LUT V18, SC3
4	2024-08-22 06:12:26	LRAPC4J	rap_0203	IES LUT V18, SC4

Last update: 2024 Sep 30