

## CATALOGUE OF LDE FLARES (1989 - 1990)

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ABSTRACT. The continuation (February 1989 - April 1990) of the list of geoeffective LDE flares is contained in Table 1. Table 2 gives new data on further LDE flares observed from April 1980 to 1985. The data in Table 2 refer to: a/ newly identified weak LDE flares of the SXR class C, b/ new LDE flares with SXR duration of 2 hours, c/ supplemental data on some of the mightier LDE flares, published earlier. Table 3 gives the monthly, semiannual and yearly counts of LDE flares in cycle 22. In cycle 22 (Oct. 1986 - April 1990) there are 1277 (C-X) and 549 (M-X) class LDE flares.

### 1. INTRODUCTION

The purpose of this paper is to compile from Solar Geophysical Data the list of LDE flares for solar activity cycle 22. Table 1 contains the list of LDE flares observed from February 1989 to April 1990 and ties in timewise with Catalogue of LDE flares (1988-1989). The method of selecting SXR LDE flares was describe in detail in previous papers (Antalová 1987, 1988, 1989, 1990a). The principal criterion, with respect to the selection of a given flare for inclusion into the "LDE Catalogue" had been the requirement, that the LDE flare' SXR value would exceed  $10^{-6} \text{ W m}^{-2}$  on the outer border of the Earth's atmosphere and that this value  $1 \times 10^{-6} \text{ W m}^{-2}$  (i.e. SXR class C1) would be observed for 2 or more hours. LDE type flares show a slow decay of soft X-ray radiation intensity. The dominant structure of the LDE flares is a powerful arcade of the hot coronal loops. LDE flares are selected from 24-hours spacecraft SXR solar observations, published in Solar Geophysical Data. The SXR LDE flares with H-alpha flares were identified by temporal coincidence of both events, as compared with the data classified by the National Oceanic and Atmospheric Administration (NOAA) in Boulder, USA.

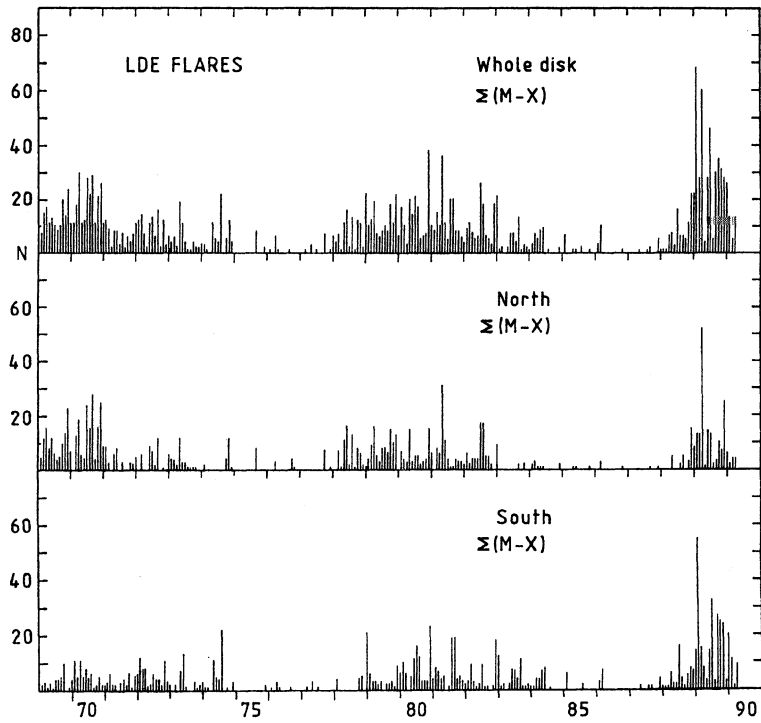


Fig. 1a. N - S asymmetry in the monthly occurrence of LDE flares of SXR classes (M - X) from 1969 to 1990. The maximal monthly occurrence in January 1989 ( $N = 68$ ) belongs mainly to the southern solar hemisphere ( $N_S = 55$ ).

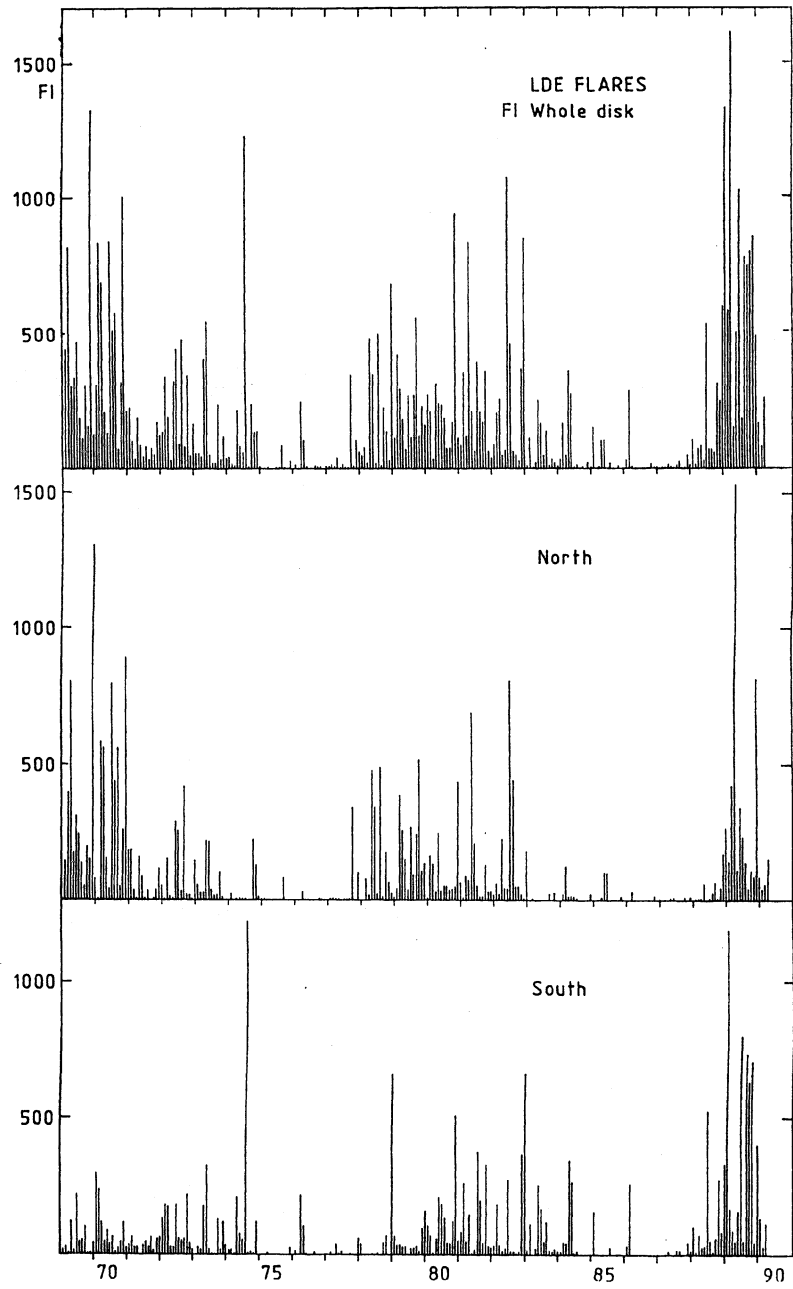


Fig. 1b. N - S asymmetry of the LDE flare index FI (monthly values). The largest values: Nov. 1969 - 1326; Jul 1974 = 1222; Jan. 1989 - 1332; March 1989 - 1618.

Table 1

Long-decay Soft X-ray flares in the 22nd cycle  
(February 1989 - May 1990)

No	Date (mo-day)	Event	Start UT	Dur hr	Group No	Position	Imp	SID	SGD
					1 9 8 9				
433	02 17	Ha	17:15	1.00	5368	S14 E36	SF	2+/3	540/II
		SXR	16:30	4.0	B-EAI	150	C4		536/I
434	02 27	Ha	22:12E	-	5354	N28 W90	SN	2+/5	536/I
		SXR	22:12E	3.5	BG-FKI	275	M1.9		540/II
435	02 18	Ha	03:49	-	5354	N28 W90	-	1+/3	540/II
		SXR	03:49	3.5	BG-FKI	275	C5.6		536/I
436	02 18	Ha	07:46	0.2	5354	N28 W90	1N	2+/5	536/I
		SXR	07:44	3.0	BG-FKI	275	C9.9		540/II
437	02 18	Ha	18:32	0.30	5366	N25 W59	SF	1/1	540/II
		SXR	18:32E	2.0	B-DAO	225	C3.5		536/I
438	02 19	Ha	00:57	1.2	5357	N16 W62	1N	1/3	540/II
		SXR	00:57E	2.5	AP-HS	225	C6.3		536/I
439	02 19	Ha	03:43	1.3	5368A	N22 E30	SF	-	540/II
		SXR	03:43	2.0	A-AX	150	C1		536/I
440	02 19	Ha	06:58E	0.70	5368	S10 E12	SF	1-/1	540/II
		SXR	06:58E	2.0	BG-FAI	150	C1		536/I
441	02 19	Ha	09:22E	0.90	5362	N19 W19	1F	1-/1	
		SXR	09:22	2.0	BP-BX0	180	C3.6		536/I
442	02 19	Ha	13:46	0.1	5368	S11 E08	SF	2/5	540/II
		Ha	14:01	0.3	5366	N25 W67	SF		536/I
		SXR	13:46E	2.0	BG-FAI	150	C9.7		
443	02 19	Ha	14:55	0.4	5368	S10 E07	SF	-	540/II
		Ha	15:01	0.1	5366	N24 W68	SF		536/I
		SXR	14:55	2.0	BG-FAI	150	C7		
444	02 19	Ha	21:07	0.60	5368	S12 E04	SF	1-/5	540/II
		SXR	21:07	2.5	BG-FAI	150	C5.7		536/I
445	02 20	Ha	13:56E	1.00	5368	S15 W04	SB	3-/5	540/II
		SXR	13:56	2.5	BGD-FKI	150	M2.5		536/I
446	02 21	Ha	10:25	0.6	5376	N29 E17	1B	1-/5	540/II
		SXR	09:00	2.0	B-BX0	095	C3.9		536/I
447	02 21	Ha	12:07	1.6	5368	S12 W15	SB	3/5	540/II
		SXR	12:07	2.5	BGD-FKI	150	M2.7		536/I

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448	02 21	Ha	18:17	0.9D	5368	S13 W20	1B	1+/3	540/II
		SXR	18:17E	2.0	BGD-FKI	150	M3.9		537/I
449	02 21	Ha	21:21E	x	5368	S12 W29	SB	2+/5	540/II
		SXR	21:58E	2.0	BGD-FKI	150	M2.8		536/I
450	02 21	Ha	23:47	0.7	5368	S12 W21	1B	3/5	540/II
		SXR	23:43	2.0	BGD-FKI	150	M7.9		536/I
451	02 22	Ha	09:44	0.4	5368	S10 W33	SF	2/5	540/II
		SXR	09:44	2.0	BGD-EKI	150	M1.3		536/I
452	02 22	Ha	17:42	0.6	5368	S13 W33	SN	2+/5	540/II
		SXR	17:42	2.0	BGD-FKI	150	C6.9		536/I
453	02 23	Ha	01:56	0.5	5362	N22 W63	2F	1/3	540/II
		SXR	01:56	2.0	B-BX	180	C9.6		536/I
454	02 23	Ha	04:22	0.1?	5368	S13 W41	SF-1B	2+/5	540/II
		SXR	04:22	2.0	BG-EKI	150	M1.2		536/I
455	02 23	Ha	23:44	0.6	5368	S14 W53	SF	-	540/II
		SXR	23:44	2.0	BG-EKI	150	C5.7		536/I
456	02 24	Ha	20:06	1.1	5377	N10 E57	SN	1/5	540/II
		SXR	20:06E	2.0	B-EAI	045	C9.7		536/I
457	02 26	Ha	03:20	0.5	5380	N42 E44	SF	2-/5	540/II
		SXR	03:24	2.0	B-BX	045	C6.0		536/I
458	02 27	Ha	01:32	0.5	5379	S22 E31	1N	2/5	540/II
		SXR	01:35E	2.5	BG-ESI	045	M1.8		536/I
459	02 28	Ha	17:56	1.9	5378	N14 W64	SF	2+/3	540/II
		SXR	17:56E	2.5	BD-DKO	110	M1.7		536/I
460	03 01	Ha	02:10	0.7	5379	S20 E05	SF	-	541/II
		SXR	02:10	2.0	BG-ERI	050	C2		537/I
461	03 01	SXR	03:47	2.0	5379?	S20 050	C5	1+/3	541/II
462	03 01	Ha	12:05	1.0	5373E	N12 W79	SF		537/I
		SXR	12:05	3.0	AF	120	M2.3	3/5	541/II.
463	03 02	Ha	03:25	0.7	5378	N15 W82	SF	3+/5	541/II
		Ha	04:11	1.2	5378	N19 W79	1N		537/I
		SXR	03:25	2.0	B-EKI	120	M1.4		536/I
464	03 02	Ha	09:00	0.5	5383	N19 W06	1N	3/5	541/II
		SXR	08:00	2.5	B-DAO	040	M2.4		537/I
465	03:02	Ha	11:47	0.1	5373E	N12 W88	SF	2+/5	537/I
		SXR	11:47	2.5	AF	120	M1.7		541/II
466	03 03	Ha	07:57	0.6	5378	N16 W90	1N	3+/5	541/II
		SXR	07:57	4.5	B-EKI	120	M1		537/I

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467	03 06	Ha	00:49	0.6	5395	N29 E85	2N	3-/5	537/I
		SXR	00:49	2.0	BGD-EKC	260	M3.0		541/II
468	03 06	Ha	05:56	1.0	5395	N26 E78	1N	2+/5	541/II
		Ha	06:11	0.2	5392	N24 E53	1N		537/I
		SXR	05:56	2.0	BGD-EKC B-DAO	260	C9.7		536/I
469	03 06	Ha	13:54	3.00	5395	N33 E71	3B	1-/5	537/I
		SXR	13:54	10.5	BGD-EKC	260	X15		541/II
		gamma	13:58						
		10 GHz	13:54				15x10 <sup>4</sup> sfu		
470	03 06	Ha	23:50	0.9	5395	N29 E68	1N	1-/3	537/I
		SXR	23:50	3.0	BGD-EKC	260	C8		541/II
471	03 07	Ha	05:19	1.3	5395	N30 E69	1N	3/3	537/I
		SXR	05:19	3.0	BGD-EKC	260	M2.0		541/II
472	03 07	Ha	08:46	1.3	5395	N31 E70	1N	1-/3	537/I
		SXR	08:46	2.0	BGD-EKC	260	C5		541/II
473	03 07	Ha	11:35	0.9	5395	N31 E64	SF	1-/1	537/I
		SXR	11:35	2.0	BGD-EKC	260	C6.5		541/II
474	03 07	Ha	13:19	0.5	5395	N30 E65	1B	3+/5	537/I
		SXR	13:19	2.0	BGD-EKC	260	M4.1		541/II
		gamma	13:18						
475	03 07	Ha	14:36	1.0	5395	N31 E65	2B		541/II
		gamma	14:52		BGD-EKC	260	X1.8	3+/5	537/I
		SXR	14:36	2.0			C4		536/I
476	03 07	Ha	16:53	0.5	5395	N29 E63	1N	1+/5	537/I
		SXR	16:53	2.0	BGD-EKC	260	M3.8		541/II
477	03 07	Ha	22:23	1.7	5395	N31 E62	2N	1+/5	537/I
		SXR	22:23	1.9	BGD-EKC	260	M4.2		541/II
478	03 08	Ha	08:25	0.9	5395	N34 E55	2B	3+/5	537/I
		SXR	08:25	2.5	BD-EKI	260	M5.7		541/II
479	03 08	Ha	14:13E	-	5395	N28 E48	2B	1-/3	537/I
		SXR	14:13E	2.5	BD-EKI	260	M1.2		541/II
		gamma	14:47				0.8 MeV	3-/3	536/I
Imp	03 08	SXR	18:50	0.3			M4.6	1+/5	541/II
		gamma	18:52				1.0 MeV		537 I
480	03 09	Ha	04:53	1.1	5394	S35 E43	1B	2-/5	537/I
		SXR	04:53	2.0	B-DAO	250	C5		541/II
481	03 09	Ha	12:50	1.9	5395	N30 E40	2N	2/5	537/I
		SXR	12:50	2.0	BGD-EKC	260	M2.4		541/II

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482	03 09	Ha	13:05	2.0	5398	S18 E54	2B	2/5	537/I
		SXR	13:05	3.0	B-CSO	240	M2.4		541/II
483	03 09	Ha	15:12	2.0	5395	N28 E40	4B	3+/5	537/I
		SXR	15:12	4.0	BGD-EKC	260	X4.0		541/II
484	03 09	Ha	23:04	1.5	5395	N32 E32	1N	2/3	537/I
		SXR	23:04	2.0	BGD-EKC	260	M1.3		541/II
485	03 10	Ha	06:10	1.9	5395	N31 E31	1N	1/3	537/I
		SXR	06:10	2.0	BGD-EKC	260	C9.5		541/II
486	03 10	Ha	10:39	1.6	5395	N33 E30	1N	2-/5	537/I
		SXR	10:39	2.0	BGD-EKC	260	M4.5		541/II
487	03 10	Ha	13:04	1.2	5395	N30 E28	SN	1+/5	537/I
		SXR	13:04	2.0	BGD-EKC	260	C6.2		541/II
488	03 10	Ha	14:28	0.7	5395	N33 E27	SF	1-/3	537/I
		SXR	14:28	2.0	BGD-EKC	260	C3		541/II
489	03 10	Ha	18:37	3.3	5395	N32 E22	CB	3/5	537/I
		SXR	18:37	6.5	BGD-EKC	260	X4.5		541/II
		gamma	19:03	0.6					
490	03 11	Ha	05:14	0.6	5395	N31 E22	1B	3+/3	537/I
		SXR	05:14	2.0	BGD-EKC	260	M2.3		541/II
Imp	03 11	Ha	15:21	0.7	5395	N28 E13	2B	3-/5	537/I
		SXR	15:35E	0.4	BGD-EKC	260	X1.2		541/II
		gamma	15:35	0.1					
491	03 11	Ha	18:27	1.2	5395	N29 E10	2N	1/3	537/I
		SXR	18:27	2.0	BGD-EKC	260	M1.2		541/II
492	03 11	Ha	19:11	1.3	5398	S18 E25	1N	-	537/I
		SXR	19:11	2.0	B-DKI	240	M1		541/II
493	03 11	Ha	19:33	1.0	5395	N27 E10	2B	2+/5	537/I
		SXR	19:33	4.0	BGD-EKC	260	X1.3		541/II
494	03 12	Ha	05:22	0.6	5395	N31 E01	SN/C7.5	2/5	537/I
		Ha	06:03	0.5	5395	N30 E08	SN/C8.5		541/II
		SXR	05:22	2.0	BGD-FKC	250	C8		536/I
495	03 12	Ha	07:35	0.6	5395	N29 E05	1N/C5	2-/5	537/I
		Ha	08:19	0.5	5395	N30 E07	2B/M6.7	3+/5	541/II
		Ha	09:01E	0.7	5395	N30 E07	2B/M1		536/I
		SXR	07:35	2.0	BGD-FKC	260	M6.7		
		gamma	08:39				0.6 MeV		
496	03 12	Ha	20:32	0.2D	5397	N32 E14	SF	3/5	537/I
		SXR	20:32	2.0	BP-CSO	240	M4		541/II
Imp	03 12	Ha	23:35	0.1	5395	N28 W04	1N/M1.4	2/3	541/II
		gamma	23:36						

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497	03 13	Ha	01:25	0.4	5395	N29 W08	1N	2+/5	537/I
		SXR	01:25	2.0	BGD-FKC	260	C9		541/II
498	03 13	Ha	02:59	1.2	5395	N29 W02	3N	3+/5	537/I
		SXR	02:59	2.5	BGD-FKC	260	X1		541/II
499	03 13	Ha	06:21	0.8	5395	N31 W06	1N	3/5	537/I
		SXR	06:21	2.0	BGD-FKC	260	M1		541/II
500	03 13	Ha	11:45	0.7	5395	N30 W14	SN	3-/5	537/I
		Ha	12:59	1.5	5395	N32 W14	1F		541/II
		SXR	11:45	2.0	BGD-FKC	260	M1		536/I
501	03 13	Ha	17:00	2.5	5395	N31 W13	SN	1-/3	537/I
		SXR	17:00	2.0	BGD-FKC	260	M1		541/II
502	03 14	Ha	01:50	1.8	5395	N31 W17	1N	1+/3	537/I
		SXR	01:50	2.5	BGD-FKC	260	M2.0		541/II
503	03 14	Ha	06:16	1.4	5395	N31 W20	SN	3/5	537/I
		SXR	06:16	2.0	BGD-FKC	260	C9.3		541/II
504	03 14	Ha	08:30	1.1	5395	N29 W24	SF	1+/5	537/I
		SXR	08:30	3.0	BGD-FKC	260	M1.6		541/II
505	03 14	Ha	13:50	1.0	5404	N29 E56	1N	2/5	537/I
		SXR	13:50	2.0	B-CAO	170	M1		541/II
506	03 14	Ha	16:46	3.8	5395	N32 W22	2B/X1.1	1+/5	537/I
		Ha	16:46	1.2	5397	N32 W13	SN		541/II
		SXR	16:46	3.0	BGD-FKC BG-CAO	260 240	X1.1		536/I
507	03 14	Ha	19:29	2.3	5395	N32 W26	SB	1+/5	537/I
		SXR	19:29	2.5	BGD-FKC	260	M1.4		541/II
508	03 14	Ha	21:09	0.7	5398	S16 W09	SF	2+/1	537/I
		SXR	21:09	2.5	B-EAI	240	M1		541/II
509	03 15	Ha	03:02	0.3	5395	N30 W37	SF	1+/3	537/I
		SXR	02:45	2.5	BGD-FKC	260	C7		541/II
510	03 15	Ha	06:21	3.5	5395	N35 W33	2N	3+/5	537/I
		SXR	06:21	4.5	BGD-FKC	260	M3		541/II
		gamma	06:47				0.8 MeV		
511	03 15	Ha	16:43	1.3	5395	N33 W40	1N	2+/5	537/I
		SXR	16:43	2.5	BGD-FKC	260	M8.4		541/II
512	03 15	Ha	21:21	0.1	5395	N29 W47	SF	1/3	537/I
		SXR	21:10E	2.0	BGD-FKC	260	C8.0		541/II
513	03 16	Ha	01:55	1.1	5395	N34 W43	1N	3/5	537/I
		SXR	01:55	5.0	BGD-FKC	260	M3.1		541/II
514	03 16	Ha	09:53	0.5	5395	N36 W47	2B	2/5	537/I
		SXR	09:53	2.5	BGD-FKC	260	C9		541/II



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515	03 16	Ha	15:24	1.3	5395	N36 W47	2B	1-5	537/I
		SXR	15:24	2.5	BGD-FKC	260	X3.6		541/II
		gamma	15:23				Ha 1		Max'91/2/277
516	03 16	Ha	17:32	1.7	5395	N31 W59	2N	1/5	537/I
		SXR	17:32	2.0	BGD-FKC	260	M2.4		541/II
517	03 16	Ha	18:26	2.1	5395	N31 W55	1N	2+/5	537/I
		SXR	18:26	2.5	BGD-FKC	260	M6.5		541/II
518	03 16	Ha	20:35	0.9	5395	N31 W54	1N	2+/5	537/I
		SXR	20:35	2.5	BGD-FKC	260	X1.4		541/II
519	03 17	Ha	02:16	1.5	5395	N33 W75	3N	3/3	537/I
		SXR	02:16	3.0	BGD-FKC	260	M1.5		541/II
		gamma	03:31				0.8 MeV		
520	03 17	Ha	07:13	0.6	5395	N34 W61	2B	3+/5	537/I
		SXR	07:13	2.0	BGD-FKC	260	M6.8		541/II
		gamma	07:16				MCW		Max'91/2/277
521	03 17	Ha	11:00	0.8	5395	N33 W62	2B	3-/5	537/I
		SXR	11:00	2.5	BGD-FKC	260	M4.1		541/II
522	03 17	Ha	17:29	2.1	5395	N33 W61	2B	2+/5	537/I
		SXR	17:29	2.5	BGD-FKC	260	X6.5		541/II
		gamma	17:31				MCW		Max'91 p.128
523	03 17	Ha	23:09	0.4	5395	N36 W67	1F	2+/3	537/I
		SXR	23:09	2.5	BGD-FKC	260	M2.4		541/II
Imp	03 18	Ha	12:43	0.3	5395	N36 W75	1N		537/I
		SXR	12:43E	0.4	BGD-FKC	260	C9.2		541/II
		gamma	12:42				0.8 MeV		Max'91 p.128
524	03 18	Ha	17:33	0.2	5395	N37 W74	SF	2-/5	537/I
		SXR	17:33	3.0	BGD-FKC	260	M4.4		541/II
525	03 18	Ha	22:39	0.7	5403	S12 W05	SF	2+/5	537/I
		SXR	21:55	2.5	BG-DAI	180	M3.1		541/II
		gamma	21:56				0.6 MeV		
526	03 20	Ha	10:33	1.3	5407	N17 W50	1F	1-/1	537/I
		SXR	10:33	3.0	AP-AX	210	C3		541/II
527	03 20	Ha	14:27	0.9	5417	S26 E81	SF	2/5	537/I
		SXR	14:27	2.0	B-EKI	070	M1.2		541/II
528	03 20	Ha	20:38	3.4	5417	S25 E76	2N	2/5	537/I
		SXR	20:38	4.5	B-EKI	070	M3.1		541/II
529	03 21	Ha	00:55	1.0	5417	S23 E65	2N	2/3	537/I
		SXR	00:55	2.0	B-EKI	070	M1		541/II
530	03 21	Ha	01:26	0.3	5409	N18 E08	SN	3/5	537/I
		SXR	01:26	2.5	BGD-CKO	140	M2.9		541/II

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531	03 21	Ha	14:18	2.0	5409	N19 W03	1N	1-/5	537/I
		SXR	14:18	2.0	BGD-CKO	140	C8.7		541/II
532	03 22	Ha	09:17	1.9	5409	N17 W07	SN	2/5	537/I
		SXR	09:17	4.5	BGD-CKO	140	M1		541/II
533	03 23	Ha	08:58	1.0	5409	N11 W24	SN	1-/1	537/I
		SXR	08:58	2.0	BGD-EKI	140	C3		541/II
534	03 23	Ha	13:47	1.0	5409	N13 W28	1N	2-/5	537/I
		SXR	13:47	2.0	BGD-EKI	140	C9.8		541/II
535	03 23	Ha	19:25E	1.6	5409	N18 W28	3B	3/5	537/I
		SXR	19:25E	5.0	BGD-EKI	140	X1.5		541/II
		gamma	19:36	0.2			0.8 MeV		
536	03 24	Ha	16:02	1.7	5420	N15 W28	SF	1-/1	537/I
		SXR	16:02	3.0	B-BX0	120	C7		541/II
537	03 24	Ha	20:27	0.5D	5409	N14 W43	2B	2-/5	537/I
		SXR	20:27	2.0	BG-EKI	140	M1.2		541/II
		gamma	20:27	0.1			0.6 MeV		
538	03 25	Ha	15:31	0.6	5409	N13 W56	SF	1-/5	537/I
		SXR	15:31	2.0	BG-EKI	140	C6.5		541/II
539	03 26	Ha	12:11	2.1	5409	N14 W67	2B	3-/5	537/I
		SXR	12:11	2.0	BG-DKI	140	M6.6		541/II
540	03 26	Ha	13:42	1.2	5409	N12 W70	1N	2/5	537/I
		SXR	13:42	3.0	BG-DKI	140	C8		541/II
541	03 27	Ha	02:17	0.5	5417	S26 E00	SF/C3.6	1-/3	537/I
		Ha	03:06	0.6	5417	S27 W01	1B/M3.5	3/3	541/II
		SXR	02:17	3.0	B-EAI	070	M3.5		536/I
542	03 27	Ha	11:17	0.3	5409	N12 W77	SF/C2.3	-	537/I
		Ha	11:40	0.4	5409	N16 W78	SF	1-/3	541/II
		SXR	11:17	2.0	BG-DAO	140	C3		
543	03 27	Ha	16:26	0.1	5409	N14 W85	SF	1-/1	537/I
		SXR	16:26	2.0	BG-DAO	140	C3		541/II
544	03 28	Ha	12:21	1.5	5417	S27 W18	SF	2-/5	537/I
		SXR	12:21	2.0	B-EAI	070	C5.1		541/II
545	03 28	Ha	19:25	0.3	5409	N17 W88	1N	1+/5	537/I
		SXR	19:25	3.5	BG-DAO	140	M1.5		541/II
546	03 29	Ha	08:38E	0.7D	5428	S20 E90	1N	-	537/I
		SXR	08:38E	2.0	B-EKI	310	C2		541/II
547	03 30	Ha	08:12E	0.1D	5432	S20 E85	SN	1-/5	537/I
		Ha	08:55E	0.3D	5427A	N16 E51	SN		
		SXR	08:12	2.0	B-BX0	300	C2		541/II
					BP	330			

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548	04 01	Ha	21:19	1.0	5436	S26 E31	SF	-	538/I
		SXR	21:19	2.0	A-AX	335	C2.1		542/II
549	04 02	Ha	04:56	-	5428	S19 E32	-	1-/3	538/I
		SXR	04:56	3.0	BGD-FKI	320	C2.4		542/II
550	04 02	Ha	13:15E	0.60	5428	S19 E36	SF	1-/5	538/I
		SXR	13:15	2.0	BGD-FKI	320	C2.4		542/II
Imp	04 02	Ha	15:41E	0.30	5441	N34 E77	SB	2+/5	538/I
		SXR	15:41E	0.5	x	230	M1.6		542/II
551	04 03	Ha	19:20	1.3	5436	S23 E05	1N	2/3	538/I
		SXR	19:20	2.0	BP-BX0	335	C6.9		542/II
552	04 05	Ha	12:54	0.7	5448C	S20 E60	1F	1-/5	538/I
		SXR	12:54	2.5	AF	250	C4.5		542/II
553	04 06	Ha	08:11U	0.1U	5441	N35 E75	SF	-	538/I
		SXR	08:11	2.0	B-CKO	230	C2		542/II
554	04 07	Ha	13:03	1.8	5441	N35 E45	1F	1-/5	538/I
		SXR	13:03	3.0	D-DAI	230	C9.4		542/II
555	04 07	Ha	20:49E	0.50	5427	N21 W62	SF	-	538/I
		SXR	20:49	3.0	B-CAO	330	C2		542/II
556	04 08	Ha	10:53	0.4	5428	S22 W50	SF	-	538/I
		SXR	10:53	3.0	BG-EKO	320	C2		542/II
557	04 09	Ha	00:44	1.9	5441	N35 E28	3N	3/5	538/I
		SXR	00:44	2.5	BGD-DKI	230	X3.5		542/II
Imp	04 09	Ha	02:04	0.5	5438	S20 E06	1F	-	538/I
		SXR	02:04	0.5	AP-DSO	260	M1.6		542/II
558	04 10	Ha	18:38E	0.80	5448B	N37 W12	SN	1-/1	538/I
		SXR	18:09	2.0	B-CAO	250	C1.8		542/II
559	04 10	Ha	21:34	-	5438	S18 W22	SF	1-/1	538/I
		SXR	21:34	10.0	BG-CSI	260	M1.2		542/II
560	04 12	Ha	06:03	0.50	5438	S18 W37	1F	1-/5	538/I
		SXR	06:03	2.5	BG-BX0	260	C4.5		542/II
561	04 13	Ha	04:54	1.0	5449	S17 E34	SN	1-/3	538/I
		SXR	05:16	2.0	B-EAO	160	C3.0		542/II
562	04 13	Ha	15:51	0.4	5451	N10 E72	SF	-	538/I
		SXR	15:51	2.0	B-DKI	130	C2		542/II
563	04 13	Ha	21:33	0.4	5451	N12 E68	SN/M1.5	1-/5	538/I
		SXR	20:53	3.0	B-DKI	130	C4		542/II
564	04 19	Ha	00:34	0.10	5452	S18 E44	1F	1-/3	538/I
		SXR	00:34	2.0	BG-CSO	090	C4.7		542/II

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565	04 20	Ha	15:12	0.7	5449	S21 W55	SF	1-/5	538/I
		SXR	15:12	2.0	BG-EKO	160	C2.8		542/II
566	04 21	Ha	14:23	0.4D	5449	S22 W65	SF	1/5	538/I
		SXR	14:23	2.5	B-CKO	160	C4.8		542/II
567	04 22	Ha	17:21	0.2	5450	N13 W69	SF	1-/1	538/I
		SXR	17:21	2.5	A-HS	140	C2		542/II
568	04 23	Ha	16:31	1.1	5451	N11 W64	SF	-	538/I
		SXR	14:10	4.0	BG-EKI	130	C2		542/II
569	04 23	Ha	21:44	-	5454	S20 W06	-	2/5	542/II
		SXR	21:44	2.0	BG-CKI	070	M1.4		538/I
570	04 23	Ha	23:55	1.5	5454	S20 W06	1N	1-/1	538/I
		SXR	23:55E	2.0	BG-CKI	070	M1.0		542/II
571	04 24	Ha	05:14	1.0	5454	S21 W07	1F	2-/5	538/I
		SXR	05:14	2.0	B-DKI	070	C6.0		542/II
572	04 28	Ha	15:10	1.4	5454	S20 W64	SF	1/5	538/I
		SXR	15:06E	2.5	BG-EKO	070	C3.1		542/II
573	04 28	Ha	17:45	0.4	5463	N12 E24	SF	-	538/I
		SXR	17:45E	2.0	B-BXO	340	C2.8		542/II
574	04 28	Ha	23:44	0.2	5468	N26 W00	SF	-	538/I
		SXR	23:38E	2.5	AP-BXO	360	C2.0		542/II
575	04 29	SXR	01:00	2.0	5464	S22 E32	C4.1	1-/3	538/I
					BG-EHI	315			
576	05 01	Ha	01:08E	0.1D	5470	N28 E60	SN	3/3	539/I
		SXR	01:08	2.0	BG-ESI	260	M5.5		534/II
577	05 01	Ha	14:33	1.0	5470	N29 E52	SF	1/3	539/I
		SXR	14:33	2.5	BG-ESI	260	C3.0		543/II
578	05 02	Ha	01:15	0.5	5470	N29 E49	SF/C4	1-/1	539/I
		Ha	01:54	0.6D	5470	N30 E49	1N	1+/3	543/II
		SXR	01:15	2.5	BG-EAI	260	C9		
579	05 02	Ha	04:07	0.8	5470	N29 E49	1N	3/3	539/I
		SXR	04:07	2.5	BG-EAI	260	M2.1		543/II
580	05 02	Ha	14:00	0.7	5470	N30 E43	1N	1/5	539/I
		SXR	14:00	2.0	BG-EAI	260	C7.4		543/II
581	05 02	Ha	16:02	1.7	5470	N28 E40	1N	2+/3	539/I
		SXR	16:04E	2.5	BG-EAI	260	M1.4		543/II
582	05 02	Ha	18:27	2.5	5464	S23 W12	2N	2/3	539/I
		SXR	18:28E	3.0	BG-EHI	310	M3.0		543/II
583	05 03	Ha	03:26	1.4	5470	N28 E32	2B	3/5	539/I
		SXR	03:26E	3.0	BGD-EKI	260	X2.3		543/II

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584	05 03	Ha	19:27	2.5	5464	S20 W26	1F	2+/3	539/I
		SXR	19:27	2.5	BGD-EKI	310	M1.4		543/II
585	05 03	Ha	20:54	1.3	5470	N28 E22	1N	1-/1	539/I
		SXR	20:54E	2.0	BG-EAI	260	M1.6		543/II
586	05 04	Ha	03:13	1.3	5464	S19 W26	1N	2+/3	539/I
		SXR	03:13E	2.0	BGD-EKI	310	M4.4		543/II
587	05 04	Ha	10:32	1.0	5464	S20 W33	2B	-	539/I
		SXR	11:06	2.0	BGD-EKI	310	M5.4		543/II
588	05 03	Ha	18:57	1.2	5470	N29 E14	SN	2/5	539/I
		SXR	18:57E	2.5	BG-EAI	260	M2.3		543/II
589	05 05	Ha	07:20	1.4	5470	N30 E04	2B	3/5	539/I
		SXR	07:23	4.5	BG-EAI	260	X2.4		543/II
590	05 06	Ha	05:20E	0.5D	5476	S28 E62	SN	3/5	539/I
		SXR	05:20	2.0	B-DAO	200	M2		543/II
591	05 06	Ha	14:42E	0.9	5464	S20 W65	SF	2+/5	539/I
		SXR	14:42E	3.0	BGD-EHI	310	M1.7		543/II
592	05 06	Ha	16:55	0.8D	5476	S30 E61	2B	1/5	539/I
		SXR	16:55	2.5	B-DAO	200	M4.2		543/II
593	05 06	Ha	19:25	0.7	5470	N28 W13	SF	1-/5	539/I
		SXR	19:25	2.0	BGD-DAI	260	C6.0		543/II
594	05 06	Ha	23:33	1.2	5470	N31 W13	1F	1-/1	539/I
		SXR	23:33	2.0	BGD-DAI	260	C8.9		543/II
595	05 07	SXR	05:23	2.5	5470	N31 260	C4.3	1-/3	539/I
596	05 07	Ha	19:33	0.3	5464	S21 W78	SF	1-/1	539/I
		Ha	20:10	0.4	5470	N29 W25	SF/C6.6		543/II
		SXR	19:33	2.5	BD-EHI BGD-DAI	310 260	C7		
597	05 08	Ha	01:10	1.9	5470	N30 W27	1F	2/1	539/I
		SXR	01:14	3.0	BGD-CSO	260	M1.2		543/II
598	05 08	Ha	05:16	0.7	5474	N14 E21	1N/C5		539/I
		Ha	05:17	0.8	5479	N12 E20	1N	1/3	543/II
		Ha	05:18E	0.5D	5476	S29 E34	SN		538/I
		SXR	05:17E	2.0	BG-DAI B-CSO BG-EAO	210 210 200	C5.2		
599	05 08	Ha	21:02	0.9	5474	N19 E13	SF	1-/1	539/I
		SXR	21:02E	2.0	BG-DAI	210	C4.9		543/II
600	05 09	SXR	04:53	2.0	5474	N19-210	C5.6	1+/5	543/II
601	05 09	Ha	11:00	0.2	5484	N11 E90	1F	1-/5	539/I
		Ha	11:04	0.2	5481	S28 E74	SN		543/II
		Ha	11:16	0.7	5476	S29 E17	SF		538/I
		SXR	11:16E	2.0	AP-CSO B-DSO BG-EAO	140 160 200	C5.4		

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602	05 09	Ha	16:53	0.2	5474	N18 E04	SF	1/5	543/II	
		SXR	16:53E	4.0	B-DAI	210	M1.0		539/I	
603	05 10	Ha	03:46	0.7	5478	N27 E33	SF	-	543/II	
		SXR	03:48E	2.0	B-CSO	170	C2.2		539/I	
604	05 11	Ha	05:22	0.7	5476	S31 W05	1F	1-/3	543/II	
		Ha	07:29	0.8	5476	S31 W06	1N		539/I	
		SXR	07:29	2.0	B-EAI	200	C8.2		538/I	
605	05 12	Ha	10:44	0.6	5488	N16 E90	1N	1-/1	543/II	
		Ha	11:19E	0.7D	5476	S29 W22	SF		2-/5	539/I
		SXR	11:19E	2.0	AP-HS B-EKI	090 200	M1.2			
606	05 13	Ha	14:49	0.8	5488	N17 E69	1N	-	543/II	
		Ha	15:12	0.1	5478	N15 W25	SF		539/I	
		Ha	15:11	0.5	5487	N19 E48	SN		1-/5	538/I
		SXR	14:48E	2.0	B-DAO BG-CRO B-CAO	090 170 105	C4.4			
607	05 13	Ha	16:38	0.2	5484	N08 E17	SF	-	543/II	
		SXR	16:38	2.0	B-CKO	140	C3.3		539/I	
608	05 14	Ha	05:43	0.3	5488	N15 E62	SF	1-/1	539/I	
		Ha	05:47	0.5	5474	N18 W54	1N/C3.4		538/I	
		Imp	Ha	06:54E		5484	N07 E09	C3.4	1-/5	543/II
		SXR	05:48E	2.0	B-DAO B-BXO B-CAO	090 210 140				
Imp	05 14	Ha	16:41	0.7	5484	N07 E04	1N	1-/5	543/II	
		Ha	16:43	0.5	5478	N26 W22	SF		538/I	
		SXR	16:41	1.0	B-CAO B-CSO	140 170	C5.7		539/I	
609	05 15	Ha	05:31	0.6	5492	S21 W26	1N	1/5	543/II	
		SXR	05:31E	2.0	B-DAO	165	C6.5		539/I	
610	05 16	Ha	02:57	0.3	5492	S20 W38	SF	1-/1	543/II	
		Ha	03:16	0.2	5487	N19 E28	SF		539/I	
		Ha	04:14	0.3D	5488	N18 E36	SF		538/I	
		Ha	04:21	0.6	5487	N16 E22	1N			
		SXR	03:05	5.0	B-DAO B-CAO B-DKI	165 110 090	C3.7			
611	05 16	Ha	18:37	0.4	5491	S14 E46	SF	-	543/II	
		Ha	19:08	0.2	5487	N17 E13	SF		539/I	
		SXR	18:37	2.0	B-CAO B-CAO	075 110	C2			
612	05 17	Ha	08:54	1.6	5491	S18 E36	2N	1/1	539/I	
		Ha	09:52	0.1	5476	S30 W85	SN		538/I	
		SXR	09:08	2.5	BP-BXO A-HA	075 200	C3.7		543/II	

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613	05 17	Ha	11:55	0.5	5489	N18 W12	SN	-	539/I
		SXR	11:55	4.0	B-EAI	120	C2		543/II
614	05 18	Ha	02:38	0.10	5495	N21 E15	SN	-	539/I
		SXR	03:00	2.5	B-CRO	090	C2		543/II
615	05 18	Ha	23:22	0.9	5484	N07 W52	1F	-	539/I
		SXR	23:22	2.0	B-DAO	140	C2.2		543/II
616	05 19	Ha	12:53E	0.30	5488	N16 W07	SF	-	539/I
		SXR	12:53E	2.0	B-EKI	090	C2		543/II
617	05 20	Ha	11:07	1.2	5495	N20 W22	SF	2/3	539/I
		Ha	11:27	1.0	5497	S21 E39	SF		538/I
		Ha	11:34	0.2	5509	S24 E59	SN		543/II
		Ha	11:52	0.2	5495	N24 W13	SN		
		SXR	11:07	2.5	B-EKC BG-DAI A-AX	090 030 010	C4		
618	05 20	Ha	20:00	0.7	5497	S20 E33	SF	-	
		SXR	20:20	2.5	BG-DAI	030	C3.8		543/II
619	05 21	Ha	06:38	0.2	5495	N23 W27	1F	1+/5	543/II
		Ha	06:47	0.9	5497	S20 E21	SF		543/II
		SXR	06:38	2.0	BD-EKC B-DAI	090 030	C5.8		
620	05 21	Ha	11:33	0.3	5495	N21 W34	SF/C3.3	1-/3	543/II
		Ha	12:01	0.3	5495	N21 W35	SF	1/5	539/I
		SXR	11:33	2.0	BD-EKC	090	C4.0		
621	05 21	Ha	14:34	1.2	5495	N21 W38	1F	1/1	539/I
		Ha	14:42	0.7	5488	N16 W38	SF		543/II
		SXR	14:34	2.5	BD-EKC B-EKI	090 090	M1.1		538/I
622	05 21	Ha	17:33	0.8	5495	N21 W32	SN/M3.0	1/5	539/I
		Ha	17:57	0.5	5488	N15 W41	SF	1+/5	543/II
		Ha	18:35	0.7	5495	N20 W34	1N/M1.0	1+/5	
		SXR	17:33	2.5	BD-EKC B-EKI	090 090	M3.0		
623	05 21	Ha	22:47	1.0	5495	N21 W38	SF	1+/5	539/I
		SXR	22:47	2.0	BD-EKC	090	C8.3		543/II
624	05 22	Ha	00:01	2.1	5497	S21 E15	2B	3-/3	539/I
		Ha	00:28	0.5	5491	S18 W26	SF	-	543/II
		SXR	00:01	3.5	BG-EKI BP-DAI	030 075	M5.7		
625	05 22	Ha	12:06	0.7	5497	S22 E06	SF	1-/5	539/I
		Ha	13:07	0.4	5491	S18 W36	SF	-	543/II
		SXR	12:06	2.0	BG-EKI BP-DAO	030 080	C5.2		538/I
626	05 22	Ha	15:15	0.9	5495	N20 W48	1N	2/5	539/I
		SXR	15:15	2.0	BG-EKI	090	M1.6		543/II 538/I

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Imp	05 23	Ha	01:45	0.2	5495	N24 W50	1B	2+/3	539/I	
		SXR	01:45	0.5	BG-FKI	090	M2.5		543/II	
627	05 23	Ha	05:23	1.1	5497	S19 E01	1F/C7.5	-	539/I	
		Ha	07:06	0.3	5497	S22 W07	SF/C8.6		2-/5	543/II
		SXR	05:23	2.5	BGD-EKC	030	C8			
628	05 23	Ha	07:32	0.5	5497	S19 W01	SF	2-/5	539/I	
		SXR	07:32	2.0	BGD-EKC	030	C8.9		543/II	
629	05 23	Ha	13:03	0.3	5494	S17 W16	SF/C6.2	1/5	539/I	
		Ha	13:25	0.5	5497	S19 W03	SF		543/II	
		SXR	13:00	2.0	BG-CAO BGD-EKC	050 030	C6.2			
630	05 23	Ha	14:38	0.9	5488	N17 W63	SF/C7.4	1+/5	539/I	
		Ha	14:44	0.4	5495	N22 W59	SF		543/II	
		SXR	14:38	2.0	BP-CSI BG-FKI	090 090	C7.4		538/I	
631	05 23	Ha	21:05	1.1	5497	S20 W08	SN	1-/5	539/I	
		SXR	21:05	2.5	BGD-EKC	030	C9.2		543/II	
632	05 24	Ha	00:07	0.4	5505	S21 E77	SF	1-/3	539/I	
		SXR	00:07	2.0	BG-DKI	310	C3		543/II	
633	05 24	Ha	13:43	0.6	5497	S19 W21	1N	2/5	538/I	
		Ha	13:49	0.7	5488	N17 W74	SF		543/II	
		SXR	13:43	2.5	BGD-FKC BP-CSO	030 090	M1.2			
Imp	05 24	Ha	21:27	0.1	5495	N21 W80	1F	2-/5	538/I	
		Ha	21:23	0.2	5505	S20 E68	SF		543/II	
		SXR	21:30	0.5	BD-FKI BG-DKO	090 310	M2			
634	05 25	Ha	00:31	0.2	5505	S22 E60	1F	1-/1	538/I	
		SXR	00:31	2.0	BG-DKI	310	C2		543/II	
635	05 25	Ha	15:19	1.7	5497	S19 W32	1B	2-/5	538/I	
		SXR	15:19	3.0	BGD-FKI	030	M1.9			
636	05 26	Ha	18:49	0.3	5497	S19 W51	SF/C3.8	1/3	538/I	
		Ha	20:47	0.9	5497	S19 W44	SN/C4.0		1-/5	539/I
		Ha	22:18	1.9	5497	S18 W47	1N		2/5	
		SXR	22:18	3.0	BGD-FKI	030	M1.6			
Imp	05 28	Ha	12:09	0.7	5497	S18 W76	1B	3/5	539/I	
		SXR	12:09	1.0	BG-FKI	030	M4.0		543/II	
637	05 28	Ha	22:06	1.0	5506	N20 E21	1F	1/5	539/I	
		SXR	22:06	2.0	BD-DHI	300	M1.0			
638	05 28	Ha	22:58	0.3	5497	S17 W74	SF	1/5	539/I	
		SXR	22:58	2.0	BG-FKI	030	C8.1			
639	05 29	Ha	03:29	1.6	5497	S19 W77	SF	3/3	539/I	
		SXR	03:29	4.5	B-DAI	030	M3.3		543/II	

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Radio	05 29	Ha	09:29	0.5	5497	S22 W85	1N	1-/5	543/II
		SXR	09:29	1.0	B-DAI	030	C3.3		
Imp	05 30	Ha	01:11	0.20	5497	S20 W79	SF	3/3	539/I
		SXR	01:11	1.0	B-DAI	030	M6.6		
Imp	05 30	SXR	07:12	1.0	5497	S20 W79	M3.8	3/5	543/II
					B-DAI	030			
640	05 30	Ha	13:08	0.2	5515	S23 E08	SF	3-/5	539/I
		SXR	13:10	2.0	BG-CAI	295	M2.7		543/II
641	05 30	Ha	23:51	0.2	5514	N17 E62	SF	-	539/I
	05 31	SXR	00:17	2.0	B-CAO	225	M1.1		
642	05 31	SXR	13:23	2.5	-		C3	1-/5	543/II
643	05 31	SXR	22:00	2.5			C2	-	543/II
644	06 01	Ha	04:17E	0.4	5515	S22 W16	SN	-	540/I
		SXR	04:17E	2.0	BP-DAO	290	C2.1		544/II
645	06 02	Ha	00:30	0.6	5510	S16 W66	1F	1-/1	540/I
		SXR	00:30	2.0	B-DAO	330	C1		544/II
Imp	06 02	Ha	04:14	1.1	5517	S18 E60	1N	2/5	540/I
		SXR	04:46	0.5	BGD-DSI	195	C9.8		544/II
646	06 02	Ha	06:04	0.3	5517	S18 E63	SN	1/1	540/I
		Ha	06:50	0.6	5517	S18 E61	SN		544/II
		Ha	06:35	0.5	5510	S15 W70	1B		
		SXR	05:40	5.0	BGD-DSI B-DAO	195 330	M2.0		
Imp	06 02	Ha	10:05	0.4	5517	S18 E60	2B	1/5	540/I
		SXR	10:12	0.5	BGD-DSI	195	M1.5		544/II
647	06 02	Ha	15:57	1.0	5517	S21 E59	1B	3-/5	540/I
		SXR	15:57	2.5	BGD-DSI	195	X1.3		544/II
Imp	06 02	Ha	17:35	0.3	5511	S22 W31	SF	1-/5	540/I
		SXR	17:35	0.5			M1.3		544/II
648	06 02	Ha	17:57	0.7	5517	S20 E55	SN	1-/5	
		SXR	17:57	2.0	BGD-DSI	195	M1.4		544/II
649	06 03	Ha	00:34	0.3	5517	S10 E54	SN	1-/3	540/I
		SXR	00:34	2.0	BGD-EKI	195	C5.3		544/II
Imp	06 03	Ha	03:08	0.9	5517	S19 E47	2N	3/5	540/I
H-dark fil.		SXR	03:08	1.0	BGD-EKI	195	M2.1		544/II
650	06 03	Ha	04:43	0.7	5505	S19 W52	SF	1/3	540/I
		SXR	04:43	2.0	AP-HK	350	C4		544/II
Imp	06 03	Ha	10:16	0.3	5517	S17 E44	1B	2-/5	540/I
		SXR	10:16	1.0	BGD-EKI	195	M1.5		544/II

651	06 03	Ha	11:30	1.2	5520	S21 E78	1N	2/3	540/I
		SXR	11:30	2.0	B-CRO	175	M2.5		544/II
652	06 03	Ha	13:00	1.1	5517	S19 E46	1B	2/5	540/I
		SXR	13:00	2.0	BGD-EKI	195	M3.2		544/II
Imp	06 03	Ha	16:30					1-/5	540/I
		Ha	16:56	0.4	5507	N32 W56	1F	1-/5	541/I
		SXR	16:56	0.5	BP-CSO	290	M2.0		544/II
653	06 03	Ha	18:29	1.2	5521	S22 E77	1N	3-/5	540/I
		SXR	18:29	2.0	B-DKO	160	X1.0		544/II
654	06 03	Ha	23:03	0.2	5516	N13 E04	SF	2+/5	540/I
		Ha	23:06	0.1	5517	S21 E43	SF		544/II
		SXR	23:08	2.0	A-AX BGD-EAI	230 190	M1.8		544/II
Imp	05 04	Ha	02-12	0.9	5517	S20 E34	1N	2/3	540/I
		SXR	02:12	1.0	BG-EAI	190	M1.0		544/II
Imp	06 04	Ha	02:40	1.1	5521	S19 E77	1B	3/3	540/I
		SXR	02:40	1.0	BD-EKI	160	M3.4		544/II
Imp	06 04	Ha	07:41	0.6	5507	N30 W64	2N	2/5	540/I
		SXR	07:41	0.6	A-HS	290	M1.0		544/II
655	06 04	Ha	08:18	0.8	5521	S20 E72	2N	3/5	540/I
		SXR	08:18	2.5	BD-EKI	160	M1.6		544/II
Imp	06 04	Ha	14:04	1.1	5517	S20 E32	1B	2/5	540/I
		SXR	14:04	1.1	BG-EAI	190	M2.5		544/II
656	06 04	Ha	16:16	1.4	5521	S20 E70	1N/C9.5	1/5	540/I
		SXR	16:16	2.0	BD-EKI	160	M2.9		544/II
657	06 04	Ha	21:12	1.6	5521	S21 E69	2N	3-/5	540/I
		SXR	21:12	3.0	BD-EKI	160	M6		544/II
Imp	06 05	Ha	01:30	0.2	5521	S21 E64	SF	2/5	540/I
		SXR	01:30	0.5	BD-EKI	160	M1.0		544/II
Imp	06 05	Ha	07:17	0.4	5521	S19 E58	1N	2+/5	540/I
		SXR	07:17	1.0	BD-EKI	160	M1.0		544/II
658	06 05	Ha	08:16	0.7	5521	S19 E60	SN	2/1	540/I
		SXR	08:16	2.0	BD-EKI	160	M1.3		544/II
Imp	06 05	Ha	11:12	1.0	5521	S19 E58	SN	2/5	540/I
		SXR	11:12	1.0	BD-EKI	160	M3.4		544/II
659	06 05	Ha	12:54	0.4	5521	S20 E58	SF	1-/5	540/I
		SXR	12:54	2.0	BD-EKI	160	C6		544/II
660	06 05	Ha	15:08	1.3	5521	S20 E57	SF	-	540/I
		SXR	15:08	2.5	BD-EKI	160	C4.9		544/II

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661	06 05	Ha	19:18	2.5	5521	S21 E52	1B	2+/5	540/I
		SXR	19:18	2.5	BD-EKI	160	M1		
662	06 05	Ha	21:36	2.0	5521	S21 E52	2B	3/5	540/I
		SXR	21:36	2.0	BD-EKI	160	X1.0		544/II
663	06 06	Ha	01:03	1.0	5521	S21 E50	1N	3-/5	540/I
		SXR	01:03	2.0	BD-EKC	175	M2.1		544/II
664	06 06	Ha	06:49	0.5	5521	S20 E48	1N	2/5	540/I
		Ha	08:56	0.6	5515	S25 W88	1N		544/II
		Ha	09:01	0.6	5521	S19 E46	SN		541/I
		SXR	06:49	3.0	BD-EKC A-HA	175 295	C8		
665	06 06	Ha	10:55	0.6	5521	S20 E48	1B	2/5	540/I
		SXR	10:55	2.0	BD-EKC	175	M3.1		544/II
666	06 06	Ha	16:32	1.1	5521	S19 E40	SN	1-/5	540/I
		Ha	17:09	0.5	5517	S18 E03	SF		
		SXR	16:32	3.0	BD-EKC BP-FAI	175 195	M1.0		
667	06 07	Ha	01:27	1.5	5521	S20 E37	1N	3-/5	540/I
		SXR	01:27	2.5	BGD-EKI	175	M3.0		544/II
668	06 07	Ha	04:30	1.2	5521	S19 E37	SN	1+/5	540/I
		SXR	04:30	2.0	BGD-EKI	175	C5		544/II
Imp	06 07	Ha	09:48	0.6	5521	S17 E36	1B	1/5	540/I
		SXR	09:48	1.0	BGD-EKI	175	M1.8		544/II
Imp	06 07	Ha	10:46	0.4	5521	S20 E33	SN	1/5	540/I
		SXR	10:46	1.0	BGD-EKI	175	M1.1		544/II
669	06 07	Ha	12:52	0.2	5528	N17 E90	1N	1-/5	540/I
		SXR	12:52	2.0	A-AX	100	C7.4		544/II
670	06 07	Ha	19:08	0.8	5521	S20 E28	SN	1+/5	540/I
		SXR	19:08	2.0	BGD-EKI	175	M1.1		544/II
671	06 07	Ha	20:31	1.1	5521	S20 E26	1N	2/5	540/I
		SXR	20:31	2.0	BGD-EKI	175	M2.4		544/II
672	06 07	Ha	21:54	0.2	5521	S18 E25	SF		540/I
		Ha	21:56	0.6	5517	S21 W14	SF		544/II
		Ha	22:09	0.7	5528	N26 E75	SF	1-/1	
		SXR	21:59	3.0	BGD-EKI BG-EAO A-AX	175 195 100	C9		
673	06 08	Ha	00:07	0.1	5521	S17 E25	SF	2-/3	540/I
		Ha	00:19	0.2	5521	S16 E26	SF		
		SXR	00:07	2.0	BGD-FKI	175	C9		
674	06 08	Ha	17:32	0.1	5528	N20 E76	SF	1/5	540/I
		SXR	17:32	2.0	B-EKI	100	M1.8		544/II

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675	06 09	Ha	00:06	1.5	5521	S21 E10	2N	1-/1	
		SXR	00:06	3.5	BGD-FKI	175	M2.3		544/II
676	06 09	Ha	02:48	0.1	5528	N18 E75	SF	-	544/II
		Ha	04:03	0.2	5528	N18 E74	SF		540/I
		SXR	02:49	2.0	BGD-FKI	100	C5		
677	06 09	Ha	07:09	1.5	5521	S20 E09	SN	3/5	544/II
		Ha	07:47	0.1	5528	N20 E67	SF		540/I
		Ha	07:50	0.5	5533	S18 E89	SN		541/I
		SXR	07:50	2.5	BGD-FKI BGD-FKI AP-HS	160 100 080	M2.4		
Imp	06 09	Ha	16:27	0.2D	5533	S20 E90	SF	1-/5	544/II
		SXR	16:27	1.0	AP-HS	080	M1.9		541/I
678	06 09	Ha	22:52	0.1	5533	S20 E90	SF	3-/5	
		SXR	22:52	2.0	AP-HS	080	M6.3		541/I
679	06 10	Ha	06:10	0.5	5533	S20 E86	2B	3/5	544/II
		SXR	06:10	2.0	BG-EHI	080	M5.0		541/I
Imp	06 10	Ha	12:07	0.3	5521	S21 W06	SF	1/5	544/II
		SXR	12:07	1.0	BGD-FKI	160	M1.2		541/I
Imp	06 10	Ha	12:20	0.8	5528	N20 E53	SN	-	541/I
		SXR	12:20	1.0	BGD-FKI	100	M1.5		544/II
Imp	06 10	Ha	16:05	1.3	5520	S25 W22	1F	1/5	
		SXR	16:05	1.3	AP-AX	170	C7		544/II
680	06 10	Ha	16:41E	0.5D	5533	S28 E78	1N	1-/5	544/II
		SXR	16:41E	2.0	BG-EHI	080	C6		541/I
Imp	06 10	Ha	16:50	0.5	5533	S18 E78	1N	1-/5	541/I
		SXR	16:50	1.0	BG-EHI	080	M1.7		544/II
Imp	06 10	Ha	19:04	0.3	5533	S19 E80	SN	1-/5	541/I
		SXR	19:04	0.5	BG-EHI	080	M1.2		544/II
Imp	06 10	Ha	20:54E	0.1D	5521	S18 W14	SN	1-/5	541/I
		SXR	20:54E	0.5	BGD-FKI	160	C6.8		544/II
Imp	06 10	Ha	22:21	0.1	5533	S20 E76	1F	1-/1	541/I
		SXR	22:21	0.5	BG-EHI	080	C4.3		544/II
681	06 11	Ha	09:02	0.5	5533	S18 E72	1N	2+/5	544/II
		SXR	09:02	3.0	BG-FKI	080	M1.5		541/I
682	06 11	Ha	13:42	0.5	5533	S18 E69	SF	1/5	541/I
		SXR	13:42	2.0	BG-FKI	080	C7.3		544/II
Imp	06 11	Ha	18:53	0.4	5533	S18 E63	SN	1-/5	541/I
		SXR	18:53	1.0	BG-FKI	080	C9.4		544/II
683	06 12	Ha	01:47	0.5	5528	N20 E38	SN	1-/3	541/I
		SXR	01:47	2.0	BGD-FKI	100	C4		544/II

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Imp	06 12	Ha	02:16	0.4	5533	S21 E64	1N	2-/3	541/I
		SXR	02:16	0.4	BGD-FKI	080	M1.2		544/II
684	06 12	Ha	12:42	1.0	5533	S16 E51	SN	1-/5	541/I
		SXR	12:42	1.0	BGD-FKI	080	C7.6		544/II
Imp	06 12	Ha	16:56	0.6	5533	S19 E54	1F	1-/5	541/I
		SXR	16:56	1.0	BGD-FKI	080	C7.0		544/II
685	06 13	Ha	06:25E	0.3D	5528	N19 E20	SF	-	541/I
		SXR	05:00	3.0	BGD-FKC	100	C5		544/II
686	06 13	Ha	10:49	1.4	5536	N19 E29	1N	1-/3	541/I
		Ha	11:03	0.5	5533	S20 E44	1B		540/I
		SXR	11:00	2.5	B-DAO BGD-FKI	095 080	M1.4		
687	06 13	Ha	13:21	0.4	5533	S19 E42	SN	-	541/I
		Ha	13:26	0.1	5528	N20 E17	SF		544/II
		SXR	13:20	2.5	BGD-FKI BGD-FKC	080 100	M1.3		
688	06 13	Ha	19:37	0.6	5528	N19 E14	SF	1-/5	541/I
		SXR	19:37	2.5	BGD-FKC	100	C4.2		544/II
689	06 14	Ha	02:40	0.6	5528	N14 E01	SF	1-/3	541/I
		SXR	02:40	2.0	BGD-FKC	100	C7		544/II
Imp	06 14	Ha	07:23	0.5	5528	N16 E04	1N	1+/5	541/I
		SXR	07:23	1.0	BGD-FKC	100	C7.7		544/II
Imp	06 14	Ha	13:50	0.4	5521	S14 W78	1N	1+/5	541/I
		SXR	13:50	1.0	BGD-ESI	170	M2.7		544/II
690	06 14	Ha	20:16E	0.5D	5524	S23 W54	1F	1-/5	541/I
		SXR	20:16E	2.0	BD-DAO	140	C4		544/II
Imp	06 14	Ha	23:13E	0.4D	5533	S21 E25	SF	1/5	541/I
		SXR	23:13E	0.5	BGD-FKI	080	C7.8		544/II
691	06 15	Ha	03:14E	0.4D	5528	N15 W15	SN	1/3	541/I
		SXR	03:14	2.0	BGD-FKC	100	C8		544/II
692	06 15	Ha	09:34	0.2	5521	S15 W90	SN	1-/5	541/I
		Ha	10:02	0.1D	5521	S17 W81	SF		544/II
		SXR	10:00	2.0	B-FAO	170	M3		
693	06 15	Ha	11:20	0.7	5536A	N22 E03	1N	1+/5	541/I
		Ha	11:39	0.2	5544	N21 E87	SN		
		SXR	11:20	2.0	A-AX AP-HS	085 360	M1.6		544/II
694	06 15	Ha	17:43E	0.3D	5528	N20 W11	SF	1-/3	541/I
		Ha	18:41	0.7	5528	N16 W16	SF		544/II
		SXR	17:43	2.0	BGD-FKC	100	M2.4		
695	06 15	Ha	18:13	2.5	5533	S20 E08	3B	2-/3	541/I
		SXR	18:13	3.5	BGD-FKO	080	X4.1		544/II

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696	06 16	Ha	04:14	3.0	5533	S17 E02	2B	3/5	541/I
		SXR	04:14	3.5	BGD-FHI	080	M2.5		544/II
697	06 16	Ha	07:25	2.5	5533	S17 E02	2B	3/5	541/I
		SXR	07:25	2.5	BGD-FHI	080	X3.0		544/II
698	06 16	Ha	10:19	2.4	5528	N16 W22	1N	2+/1	544/II
		SXR	10:19	3.0	BGD-FKC	100	C9		541/I
Imp	06 16	Ha	12:03	0.1	5524	S19 W71	SN	1-/5	544/II
		SXR	12:03	0.5	AF-HA	150	M1.0		541/I
Imp	06 16	Ha	16:49	0.4	5524	S19 W84	1B	1-/5	544/II
		Ha	16:56	0.6	5542	S22 E68	1N		541/I
		SXR	16:56	0.6	AF-HA BP-ESO	150 010	M1		
699	06 16	Ha	18:40	1.5	5533	S20 W04	1N	2+/5	544/II
		SXR	18:40	2.0	BGD-FKI	080	M4.9		541/I
Imp	06 16	Ha	21:48	0.5	5533	S21 W07	SB	2-/5	544/II
		SXR	21:48	0.5	BGD-FKI	080	M2.5		541/I
700	06 17	Ha	00:59	0.2	5533	S18 W08	SF	1/5	544/II
		SXR	00:59	2.0	BGD-FKI	080	C9.3		
701	06 17	Ha	04:12	1.3	5533	S20 W11	1F	2/5	544/II
		SXR	04:12	2.0	BGD-FKI	080	C9.1		541/I
702	06 17	Ha	09:38	0.3	5533	S18 W17	SB	2/1	544/II
		SXR	09:38	2.0	BGD-FKI	080	C9.7		541/I
703	06 17	Ha	15:47	3.0	5528	N16 W40	2B	3-/5	544/II
		SXR	15:47	4.0	BGD-FKC	100	M8.7		541/I
704	06 17	Ha	22:46	0.50	5540A	S17 W26	SN	1-/5	544/II
		SXR	22:46	2.0	AP	090	C5		541/I
705	06 18	Ha	03:50	0.6	5536	N20 W31	SB	1-/3	544/II
		SXR	03:50	2.5	BG-ESI	085	C5		541/I
Imp	06 18	Ha	05:34	0.5	5528	N18 W56	1N	2-/5	544/II
		SXR	05:34	0.5	BGD-FKC	100	C9		541/I
Imp	06 18	Ha	16:18	0.4	5528	N16 W56	SN	1-/5	544/II
		SXR	16:18	0.4	BGD-FKC	100	C6.8		541/I
Imp	06 18	Ha	19:00	0.3	5528	N20 W60	SN	1-/5	544/II
		Ha	19:02	0.3	BCD-FKC	N26 W69	SF		
		SXR	19:00	0.3		100 110	M1.0		540/I
706	06 19	Ha	05:29	1.2	5528	N19 W58	1N	3/5	544/II
		SXR	05:29	2.5	BGD-FKC	100	M2.5		540/I
Imp	06 19	Ha	07:44	0.6	5552	S18 E80	1N	3-/5	540/I
		SXR	07:44	0.6	B-DKI	315	M3.1		544/II

707	06 19	Ha	21:38	1.0	5533	S17 W40	1N	1/5	540/I
		SXR	21:38	2.0	BGD-FKI	080	M1.0		544/II
708	06 20	Ha	13:40	0.5	5533	S18 W55	SF	1-/5	540/I
		SXR	13:40	2.0	BG-FKO	080	C7		544/II
709	06 20	Ha	14:55	1.4	5528	N24 W70	3N	3/5	540/I
		SXR	14:55	4.5	BGD-FKI	100	X1		544/II
Imp	06 20	Ha	17:25E	0.3E	5552	S19 E68	SN	1-/5	540/I
		SXR	17:25E	0.4	BG-FKI	315	M1.5		544/II
710	06 20	Ha	20:02	0.6	5533	S18 W56	1F	1-/5	540/I
		SXR	20:02	2.0	BG-FKO	080	M1.1		544/II
711	06 20	Ha	21:53	1.4	5528	N17 W82	1N	3/5	540/I
		SXR	21:53	3.5	BGD-FKI	100	M9.3		544/II
Imp	06 21	Ha	01:42	0.2	5552	S18 E56	SF	2/5	540/I
		SXR	01:42	0.3	BGD-FKC	315	M1.7		544/II
Imp	06 21	Ha	04:36	0.4	5552	S17 E57	1N	2/5	544/II
		SXR	04:36	0.4	BG-FKC	315	M1.4		541/I
712	06 21	Ha	09:57	0.6	5555	N26 E65	1B	1-/1	544/II
		SXR	09:57	2.0	BD-DKI	305	M1.1		541/I
713	06 21	Ha	17:01E	1.00	5555	N26 E60	1N	1-/5	544/II
		SXR	17:01	2.0	BD-DKI	305	M3.0		541/I
Imp	06 21	Ha	18:34	0.8	5555	N26 E60	SN	1-/5	544/II
		SXR	18:34	0.8	BD-DKI	305	M1.1		541/I
Imp	06 22	Ha	21:24	0.3	5565	N22 E76	SF	1-/5	544/II
		SXR	21:24	0.3	B-BX0	275	C7.8		541/I
Imp	06 23	Ha	12:16	0.7	5544	N23 W18	SF	1-/5	544/II
		SXR	12:16	0.7	BP-DAO	360	C5		541/I
Imp	06 24	Ha	03:19	0.3	5555	N27 E28	SN	3-/3	544/II
		SXR	03:19	0.3	BGD-EKI	305	M2.4		541/I
Imp	06 24	Ha	14:44	0.5	5555	N28 E24	SF	1-/5	544/II
		SXR	14:44	0.5	BGD-EKI	305	C4.1		541/I
Imp	06 24	Ha	15:38	0.3	5555	N26 E21	SF	1-/5	544/II
		SXR	15:38	0.3	BGD-EKI	305	C7.6		
Imp	06 24	Ha	18:50	0.5	5555	N26 E21	SF	1-/5	544/II
		SXR	18:50	0.5	BGD-EKI	305	C7.0		541/I
Imp	06 25	Ha	03:31	0.5	5555	N27 E15	SN	2/3	544/II
		SXR	03:31	0.5	BGD-EKI	305	M1.1		541/I
Imp	06 26	Ha	15:39	1.4	5569	N20 E29	1N	2/5	544/II
		SXR	15:39	1.5	BD-DAI	265	M1.9		541/I

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714	06 27	Ha	17:55	1.3	5569	N20 E16	SN	2-/3	544/II
		SXR	17:55	2.0	BGD-EAI	265	C5.0		541/I
Imp	06 27	Ha	23:26	1.0	5555	N27 W23	SF		
		SXR	23:26	1.0	BGD-EKI	305	C2.1	1-/1	544/II
715	06 28	Ha	08:24	1.1	5555	N27 W25	SN	1/5	544/II
		SXR	08:24	2.5	BGD-EKO	305	C4.7		541/I
716	06 28	Ha	18:08	1.1	5569	N20 E04	1N	2-/5	544/II
		SXR	18:08	4.5	BG-EAI	265	M2.4		541/I
717	06 29	Ha	02:57	1.7	5555	N30 W26	2N	1/3	544/II
		SXR	02:57	3.5	BP-EKO	305	C7.3		541/I
718	06 29	Ha	20:57	2.7	5555	N30 W41	1N	2+/5	544/II
		SXR	20:57	5.0	BP-EKO	305	M3.7		541/I
719	06 30	Ha	06:09	0.3	5572	S17 E88	1N	3/5	544/II
		SXR	06:09	2.0	B-EAI	175	M3		541/I
720	06 30	Ha	07:14	0.5	5572A	S14 E77	SN	3/5	544/II
		SXR	07:14	4.0	AP-HS	165	M2		541/I
Imp	06 30	Ha	14:50	0.7	5569	N20 W23	1N	1+/5	544/II
		SXR	14:49	0.7	BGD-FKI	265	M2.5		541/I
Imp	06 30	Ha	17:36	0.6	5569	N20 W24	SN	1-/5	544/II
		SXR	17:36	0.6	BGD-FKI	265	M2.1		541/I
721	07 01	Ha	01:13	0.2	5558	N11 W42	1F	-	541/I
		SXR	01:13	2.0	BP-CSO	280	C2		545/II
Imp	07 01	Ha	04:24	0.2	5558	N08 W45	SF	1-/1	541/I
		SXR	04:24	0.5	BP-CSO	280	C1.6		545/II
Imp	07 01	Ha	05:57	0.3U	5558	N09 W46	1N	-	541/I
		SXR	05:57	0.5	BP-CSO	280	C1		545/II
722	07 01	Ha	15:09	1.0	5569	N20 W36	SF	-	541/I
		SXR	15:09	2.0	BGD-EAI	265	C1		545/II
Imp	07 02	Ha	00:11	0.2	5575	N25 E86	SF	1-/5	541/I
		SXR	00:11	0.5	B-CSO	160	C4.0		545/II
Imp	07 02	Ha	23:20	0.2	5575	N22 E69	SF	1-/1	541/I
		SXR	23:20	0.5	B-CSO	160	C2.6		545/II
Imp	07 03	Ha	01:34	0.2	5574	S14 E44	SF	1-/1	541/I
		SXR	01:34	0.5	B-CRO	145	C6.8		545/II
723	07 03	Ha	13:57	1.0	5574	S21 E55	SF	-	541/I
		SXR	13:57	2.0	-	135	C2		545/II
724	07 03	Ha	14:59	1.0	5569	N17 W58	SN	1/5	541/I
		SXR	14:59	2.0	BGD-EKI	265	C4		545/II



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725	07 04	Ha	06:00	0.2	5582	N22 E90	1N	2/5	541/I
		Ha	06:53	0.3	5576	N10 E56	SF	1-/1	545/II
		SXR	05:18	5.0	A-HS B-DAI	090 140	C7.3		
Imp	07 04	Ha	19:57	0.6	5575	N24 E42	SN	1-/3	541/I
Imp	07 04	Ha	20:08	0.5	5575	N24 E41	1N		545/II
		SXR	19:48	0.5	BD-DAI	140	C3.7		
			20:08	0.5			C3.0		
Imp	07 05	Ha	00:27	0.1	5575	N24 E40	SF	1-/1	541/I
		SXR	00:27	0.5	BD-DSO	145	C2.1		545/II
Imp	07 05	SXR	03:14	0.5	-	-	C3.1	1-/1	541/I
Imp	07 05	Ha	05:16	0.7	5572	S16 E18	SN	1-/1	545/II
		SXR	05:16	1.0	BD-DSO	160	C1.9		541/I
Imp	07 05	Ha	07:53	0.6	5575	N23 E36	1B	2/5	541/I
		SXR	07:53	0.6	BD-DSO	140	C9.6		545/II
Imp	07 05	Ha	16:25	0.8	5575	N23 E32	1N	1-/5	541/I
		SXR	16:25E	0.6	BD-DSO	140	M1.1		545/II
Imp	07 06	Ha	22:52	0.10	5571	N21 W66	SF	-	541/I
		SXR	22:52	1.5	A-AX	225	C1		545/II
Imp	07 07	Ha	00:48	0.4	5572	S20 W09	SN	1-/1	541/I
		SXR	00:48	0.5	BD-DKI	170	C4.2		545/II
Imp	07 07	Ha	03:32	0.6	5572	S20 W10	SN	1-/1	541/I
		SXR	03:32	0.6	BD-DKI	170	C3.7		545/II
Imp	07 07	Ha	04:01	0.5	5575	N22 E13	SF	1-/1	541/I
		SXR	04:01	0.5	BP-DSO	140	C2.8		545/II
Imp	07 07	Ha	10:07E	0.40	5572	S20 W11	1F	1-/5	541/I
		SXR	10:07E	0.5	BD-DKI	170	C2.5		545/II
Imp	07 07	SXR	12:11	0.5	-5572	S	C2.0	1-/3	545/II
726	07 07	Ha	19:36	1.1	5575	N24 E05	1F	1-/1	541/I
		SXR	19:26	2.0	BP-DSO	140	C2.0		545/II
Imp	07 07	Ha	23:37E	0.30	5579	S10 E51	SF	-	541/I
		SXR	23:37	0.5	AP-BF-EAO	100	C1.3		545/II
Imp	07 08	Ha	04:00	0.4	5572	S20 W22	1F	-	541/I
		SXR	04:00	0.5	BG-DAI	170	C1.7		545/II
727	07 09	Ha	00:52	1.3	5572	S20 W36	2B	3/5	541/I
		SXR	00:52	5.0	BD-SRO	170	M5.1		545/II
728	07 09	Ha	06:10	0.4	5575	N20 W20	SN	-	541/I
		SXR	06:10	2.0	BP-CSO	140	C1		545/II

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729	07 10	Ha	07:05	0.1	5589	N28 E90	1N	-	541/I
		Ha	07:35	0.2	5589	N28 E90	SF	-	545/II
		SXR	07:05	2.0	AP-HS	020	C1		
730	07 10	Ha	10:01	0.5	5582	N25 E19	1F	1-/1	541/I
		SXR	10:01	2.0	BF-BXO 5583	090 170	C1		545/II
Imp	07 11	Ha	06:32	0.1	5575	N23 W40	SF	-	541/I
		SXR	06:32	0.2	BG-CSO	140	C1.2		545/II
Imp	07 11	SXR	16:30	0.4	5583	N21 W61	C1	-	541/I
					B-BX	170			
Imp	07 11	SXR	18:30	0.4	5583	N21-170	C1	-	545/II
Imp	07 11	SXR	21:21	0.4	5576	N09 W47	C1.2	-	545/II
					B-BXO	140			
Imp	07 12	Ha	00:28	0.3	5576	N07 W53	SF	1/1	545/II
		SXR	00:28	0.3	B-BXO	140	C1.3		
Imp	07 12	Ha	03:57	0.4	5579	S10 W07	SF	1-/1	541/I
		SXR	03:57	1.0	BP-FSO	100	C3.1		545/II
731	07 12	Ha	19:38	1.3	5581	N37 W30	SF	-	545/II
		Ha	19:49	0.6	5589	N29 E56	SF		541/I
		HA	20:51	0.5	5590	N12 E52	SF		
		SXR	19:38	4.0	BG-BXO B-EKO AP-CSO	105 020 030	C2		
Imp	07 13	Ha	11:59	0.2	5589	N26 E51	SF	-	545/II
		SXR	11:59	0.5	B-EHO	020	C5		541/I
732	07 13	Ha	15:59	0.6D	5592A	N23 W13	SF	1+/1	545/II
		Ha	15:59E	0.7D	5582	N30 W17	SF		541/I
		SXR	15:40	2.5	AP B-BXO	090 090	C2		
733	07 14	SXR	21:00	2.5	5589	N26 E35	C2	-	545/II
					B-EKO	020			
734	07 15	SXR	16:00	2.0	5589	N26 E20	C2	-	545/II
					B-EKI	020			
735	07 15	Ha	22:31	0.6	5589	N28 E20	SF	-	541/I
		SXR	33:31	2.0	B-EKI	020	C1.3		
Imp	07 16	Ha	07:10	0.2	5597	S07 E75	SF	1-/5	541/I
		SXR	07:10	0.4	AP-HS	320	C1.6		545/II
736	07 16	Ha	14:02	0.3	5589	N26 E12	SF/C3.1	1/5	541/I
		Ha	15:25	0.1	5597	S15 E72	SF		545/II
		Ha	15:45	0.1	5597	S13 E71	SF		542/I
		SXR	14:02	2.0	B-EKI AP-HS	020 320	C3.1		
737	07 16	SXR	19:00	2.0	5589	N26 E12	C1	-	545/II
					B-EKI	020			

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738	07 17	SXR	04:00	2.0	5589	N26 W01 020	C1	-	545/II
Imp	07 17	Ha	05:47	0.5	5586	S20 W55	1N	2-/5	541/I
		SXR	05:47	1.0	BG-CSO	080	C5.9		545/II
739	07 17	SXR	06:30	2.5	5586 BG-CSO	S20 W55 080	C3	1/1	541/I
740	07 17	SXR	22:00	2.0	5596 B-BXO	S20 E50 080	C2	1-/3	541/I
741	07 18	Ha	01:10	0.3	5594	S07 E18	1F	-	541/I
		SXR	00:30	2.5	5597 BP-BXO B-CAO	S14 E89 355 320	1F/C2	1-/1	545/II
Imp	07 18	Ha	06:27E	0.60	5597	S14 E47	1N	1-/1	541/I
		SXR	06:27E	0.7	B-CAO	320	C2.2		545/II
Imp	07 18	Ha	14:24	0.3	5589	N27 W15	SF	-	541/I
		Ha	15:15	0.1	5589	N27 W15	SF		545/II
		Ha	15:28	0.7	5596	N20 E42	SF		
		SXR	14:30	2.0	BP-EAO BG-CSO	020 080	C1		
742	07 18	Ha	20:13	0.90	5601	N24 E85	SF	-	541/I
		SXR	20:13	2.0	B-BXO	280	C1.9		545/II
743	07 19	Ha	04:02	0.4	5601	N24 E78	1N	1/3	541/I
		SXR	04:00	2.0	B-CSO	280	C6.8		545/II
Imp	07 19	Ha	06:45	0.8/0.8	5601	N25 E76	SF/C1.6	-	545/II
Imp	07 19	Ha	07:52	0.7/0.7	5601	N25 E76	1N/C2		545/II
Imp	07 19	Ha	09:27	0.4	5589	N29 W26	SF	1-/5	545/II
		Ha	10:02	0.1	5601 BG-ESO B-CSO	N25 E76 020 280	SF		541/I
Imp	07 19	Ha	14:07	0.3	5597	S14 E33	1N	1-/5	545/II
		SXR	14:07	1.0	BG-DKO	330	C2.2	II	541/I
744	07 19	Ha	21:18	0.7	5601	N25 E71	SN	1-/5	545/II
		SXR	21:18	2.5	B-CSO	280	C6.6		541/I
Imp	07 19	Ha	22:16	0.4	5597	S13 E30	SF	-	545/II
		SXR	22:16	0.4	BG-DKO	330	C2.5		541/I
Imp	07 20	Ha	00:02	0.3	5597	S13 E28	SN	-	545/II
		SXR	00:02	0.3	BG-DKO	330	C2		541/I
Imp	07 20	Ha	07:27	0.3	5594	S06 W14	SN	-	545/II
		SXR	07:27	0.3	B-BXO	355	C2		541/I
Imp	07 20	Ha	07:36	0.2	5601	N25 E64	SN	-	545/II
		SXR	07:36	0.3	B-DAO	280	C2		541/I

745	07 20	Ha	11:06	0.9	5601	N24 E65	1N	1/3	
		SXR	11:06	3.0	B-DAO	280	M1.0		541/I
746	07 20	Ha	16:37	1.0	5601	N25 E56	1F	1/3	545/II
		SXR	16:37	2.5	B-DAO	280	C2.6		541/I
Imp	07 20	Ha	20:25E	0.40	5597	S16 E09	1B	2+/5	545/II
		SXR	20:25E	0.6	BG-DKO	330	M3.3		541/I
Imp	07 21	Ha	00:45	0.3	5597	S16 E12	SF	1-/1	545/II
		SXR	00:45	0.4	BG-DAI	330	C1.3		
Imp	07 21	Ha	05:40	0.4	5597	S15 E06	1B	2/5	545/II
		SXR	05:40	0.9	BG-DSI	330	M1.4		
747	07 21	Ha	08:35	1.1	5603	N28 W32	SN	1-/1	545/II
		SXR	08:35	2.0	BG-DAO	005	C3		541/I
748	07 21	Ha	11:42	0.2	5607	S14 E13	SF	-	545/II
		SXR	11:42	2.0	A-AX	325	C1.9		
Imp	07 21	SXR	12:49	0.5	5598?	S25-320	C2.8	1-/5	545/II
Imp	07 21	Ha	16:31	0.2	5606	S33 E08	SF	1-/5	545/II
		SXR	16:31	0.3	BP-DSO	325	C3.4		
Imp	07 21	Ha	20:05	0.6	5606	S32 E05	SN	1-/5	545/II
		SXR	20:05	0.6	BP-DSO	325	C3.8		541/I
749	07 21	Ha	20:38	0.8	5603	N28 W37	SF	-	545/II
		Ha	21:28	0.5	5600	S19 E31	SF	-	541/I
		SXR	20:38	2.5	BGD-DAO BG-BXO	005 290	C3		
750	07 21	Ha	23:00E	1.20	5606	S33 E03	1N	1-/5	545/II
		SXR	23:00E	2.0	BP-DSO	325	C4.8		541/I
Imp	07 22	Ha	02:48	0.8	5606	S32 W00	SN	1-/1	545/II
		SXR	02:48	1.0	BP-DAO	325	C4.2		541/I
751	07 22	Ha	05:29	0.4	5597	S10 W06	SF	1-/1	545/II
		SXR	05:29	3.0	BG-DAI	330	C3.1		541/I
Imp	07 22	Ha	09:06	0.3	5597	S12 W10	SN	-	545/II
		SXR	09:06	0.5	BG-DAI	330	C3		541/I
Imp	07 22	Ha	13:02	0.3	5606	S33 W04	SF	1/1	545/II
		Ha	13:12	0.5	5596	N19 W10	SF		
		SXR	13:02	1.0	BP-DAO B-CAO	325 325	C1.5		
Imp	07 22	Ha	20:01	0.4	5597	S13 W13	SF	1-/1	545/II
		SXR	20:01	1.0	BG-DAI	330	C2.4		541/I
Imp	07 23	Ha	06:38	1.0	5603	N28 W56	SF	1-/5	545/II
		Ha	06:43	0.7	5606	S31 W13	1N		
		SXR	06:38	1.0	BD-DAO B-CAO	005 325	C4.5		

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Imp	07 23	Ha	09:19	0.3	5589	N24 W78	SF	1-/1	545/II
		SXR	09:19	0.5	B-BX	020	C3		541/I
Imp	07 23	Ha	10:16	1.0	5608	S16 E70	SF	1+/3	545/II
		Ha	10:32	0.3	5606	S32 W14	SF		
		SXR	10:16	0.5	BF-DAO B-CAO	230 325	C2		
Imp	07 23	Ha	15:18	0.2	5608	S18 E63	SF	-	545/II
		SXR	15:18	1.5	BF-DAO	230	C1.5		541/I
Imp	07 23	SXR	21:30	0.5	5608?	S18-230	C3		545/II
Imp	07 24	Ha	02:11E	0.10	5603	N26 W63	SN	1-/1	
		SXR	02:11	0.5	BF-DAO	005	C2.7		541/I
752	07 24	SXR	05:00	2.0	5603?	N26-005	C3	1-/5	545/II
753	07 24	SXR	11:00	2.0	5606? B-DAO	S32 W31 325	C5.0	1-/5	545/II
754	07 24	SXR	21:00	2.0	5597? BG-DKI	S14 W38 330	C3	1-/1	545/II
Imp	07 25	SXR	00:25	0.5	5603?	N26 W85	C6.7	2-/5	545/II
755	07 25	Ha	08:39	0.4	5603	N26 W85	1B	3/5	545/II
		SXR	08:39	2.0	AF-ESO	005	X2.6	II+IV	541/I
756	07 25	SXR	20:30	2.0	5603?	N26 W85	C2	-	545/II
757	07 26	SXR	04:54	2.0	5597? BP-DAI	S13 W66 320	C7.9	2/5	545/II
758	07 26	Ha	13:49	0.5	5612	S21 E90	SB	1+/5	545/II
		Ha	14:25	0.3	5612	S21 E90	SB		541/I
		SXR	13:50	2.5	AP-HK	CH 160	C4.8		
759	07 26	Ha	15:56	0.3	5608	S18 E25	SN	-	545/II
		SXR	15:56	4.0	BF-CSO	230	C5		541/I
760	07 26	Ha	21:09	0.1	5606	S34 W61	SF	-	545/II
		SXR	21:09	2.0	B-DAO	320	C1		541/I
761	07 27	SXR	02:50	2.0	5597 AP-DAO	S12 W81 320	C2	1-/1	545/II
Imp	07 27	Ha	08:32	0.5	5597	S14 W75	SF	1-/5	545/II
		SXR	08:32	0.5	AP-DAO	320	C2		
762	07 27	SXR	16:25	3.0	5608? BD-EAI	S20 E06 230	C5.3	2+/3	545/II
763	07 27	SXR	22:13	2.0	5608? BD-EAI	S20 E06 230	C2.0	1-/1	545/II
Imp	07 28	SXR	03:56E	0.5	5608 BD-ESI	S18 E05 230	C2.7	1-/1	545/II
Imp	07 28	SXR	11:57	0.5	5613 B-BXO	N22 W70 310-CH	C3	1-/3	545/II

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Imp	07 28	SXR	18:00	0.5	5613	N22 W70 310	C4	-	545/II
Imp	07 29	SXR	06:00	0.5	5613 AF-AX	N20 W85 310	C4	1-/5	545/II
Imp	07 29	SXR	06:52	1.0	5613	N22 W82	C4.3	1-/5	545/II
764	07 29	Ha	10:09	1.0	5613	N20 W82	SF	1-/5	545/II
		SXR	10:09	2.0	AF-AX	310	C3.0		541/I
765	07 29	Ha	15:00	0.2	5613	N20 W84	SF	1-/5	545/II
		SXR	15:00	2.0	AF-AX	310	C7.1		541/I
Imp	07 30	SXR	00:35	0.6	5617 B-DSO	N19 W00 215	C3	1-/1	545/II
Imp	07 30	SXR	04:51	0.6	5619 B-BX0	S13 E75 150	C4.6	1/5	545/II
Imp	07 30	SXR	10:27	0.4	5612 BP-DHI	S14 E47 160	C2	1-/3	545/II
766	07 30	Ha	12:59	1.1	5622	S25 E75	SF	-	545/II
		SXR	12:59	2.0	B-BX0	130	C2		541/I
Imp	07 30	SXR	20:40	0.1	5616 B-BX0	S20 W37 240	C3.0		545/II
767	07 31	Ha	01:06	0.7	5617	N18 W14	SF	1/1	545/II
		SXR	01:06	2.0	B-EA0	215	C7.2		541/I
768	07 31	Ha	07:03	0.7	5612	S18 E37	SF	2+/5	545/II
		SXR	07:03	2.0	BP-EKI	160	C8.7		541/I
769	07 31	Ha	17:52	0.3D	5623	S11 E79	SF	1-/5	545/II
		SXR	17:52	2.5	AP-HS	110	C9.6		541/I
770	07 31	Ha	20:58E	0.5D	5612	S16 E32	1B	1-/3	545/II
		SXR	20:58E	2.0	BP-EKI	160	M1.5		541/I
771	07 31	Ha	23:15	0.2	5623	S10 E76	1N	1/5	545/II
		SXR	23:15	2.0	AP-HS	110	M1.0		541/I
772	08 01	SXR	01:40	2.5	5612?	S15 E20	C5	1+/3	546/II
773	08 02	Ha	15:20	0.5	5612	S15 E06	SF/1N	-	546/II
		Ha	16:45	0.5	5627	S37 W51	SF		542/I
		SXR	15:20	4.5	BG-EHI B-DAO	168 220	C2.5		
Imp	08 02	Ha	23:03	0.5	5623 BP-ESO	S13 E50 110	1N/M2.5	2+/5	546/II
774	08 03	Ha	16:05	0.6	5629	S20 E75	SF	1-/3	546/II
		SXR	16:05	2.5	B-FKC	080	C2.5		542/I
775	08 04	Ha	04:08	1.2	5623	S14 E38	1N	1-/3	546/II
		SXR	04:11E	2.5	BD-EKO	110	C3.9		542/I

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776	08 04	Ha	11:48	1.0	5623	S14 E34	1N	1-/3	546/II
		SXR	11:59E	2.5	BD-EKO	110	C4.9		542/I
777	08 04	Ha	22:16	0.5D	5623	S13 E31	SF	1-/5	546/II
		SXR	22:42	2.5	BD-EKO	110	C5.1		542/I
778	08:05	Ha	05:20	0.5	5631	N23 W57	SF	3-/5	546/II
		SXR	05:49	2.5	BP-DAO	120	M1.0		542/I
779	08 05	Ha	10:17	2.0	5622	S27 W05	1N	1-/5	546/II
		SXR	10:18E						
		SXR	11:15	2.5	BD-DAO	125	M2.6		542/I
780	08 05	Ha	16:11	0.5	5634	S13 E82	1N	1/5	546/II
		SXR	16:11E	2.0	B-CAO	040	C6.5		542/I
781	08 05	Ha	21:14	1.6	5622	S26 W07	SF/C5.9	1-/5	546/II
		Ha	22:30E	0.5D	5619	S12 W18	SF		
		SXR	22:20	2.0	BD-DAO BD-DAO	125 125	C6		
Imp	08 06	Ha	00:46	0.6	5623	S14 E08	2B	2/5	546/II
		SXR	00:47E	1.0	BG-ESO	110	M3.4		542/I
782	08 06	Ha	07:47	0.7	5633	S29 E54	1N	3-/5	546/II
		SXR	07:47E	2.0	B-DAI	060	M2.7		542/I
783	08 06	Ha	11:56	1.1	5622	S27 W16	1N	1-/5	546/II
		Ha	12:48	0.5	5634	S12 E74	SF		542/I
		SXR	11:30	2.5	BG-DAO B-FAO	125 040	M1.9		
		IV dcm	12:00						
784	08 06	Ha	23:01	1.5	5622	S26 W24	1N	3/5	546/II
		SXR	23:47	2.5	BG-DAO	125	M4.8		542/I
		IV m	23:39						
785	08 07	Ha	00:31	0.7	5633	S27 E43	SF	1+/1	546/II
		Ha	00:37	0.7	5629	S18 E32	1F		542/I
		SXR	00:37E	2.0	BG-ESO BD-EKC	060 080	M1.1		
786	08 07	Ha	05:55E	2.1D	5633	S21 E44	1F	-	546/II
		SXR	05:30	3.5	BG-ESO	060	C4.5		
787	08 07	Ha	09:20	0.8	5633	S23 E28	1B	2+/5	546/II
		Ha	09:22	0.5	5629	S16 E24	SN		542/I
		SXR	09:20E	2.5	BG-ESO BD-EKC	060 080	M2.4		
788	08 07	Ha	20:21E	2.0D	5622	S26 W38	1N	3-/5	546/II
		SXR	20:21	2.0	BD-DKO	125	M7.6		542/I
		IV m	20:52						
789	08 07	Ha	21:36	0.5	5633	S30 E31	1N	1/1	546/II
		SXR	21:36	2.0	BG-ESO	060	M1.2		542/I

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790	08 08	Ha	05:09	1.5	5629	S18 E16	1N	3/5	546/II
		Ha	05:09	1.3	5633	S23 E19	1N		542/I
		SXR	05:09E	3.0	BGD-EKC BG-EAO	080 060	M3.5		
791	08 10	Ha	01:34	1.7	5629	S15 W08	1N	2/3	546/II
		SXR	01:40E	3.5	D-EKC	080	M1.7		542/I
Imp	08 11	Ha	16:12	1.4	5629	S16 W28	SN	1+/5	546/II
		SXR	16:12E	0.5	BGD-EKC	080	M2.0		542/I
Imp	08 11	Ha	20:01	1.2	5629A	S14 W27	1N	1+/5	546/II
		SXR	20:01E	1.0	B-BX	088	M1.6		542/I
Imp	08 11	Ha	22:43	1.2	5629	S18 W32	1N	3/5	546/II
		SXR	22:43	1.0	BGD-EKC	080	M5.7		542/I
Imp	08 12	Ha	02:56	0.7	5629	S16 W34	1N	3/5	546/II
		SXR	03:01E	1.0	BGD-FKI	080	M1.9		542/I
Imp	08 12	Ha	07:57	0.6	5629	S14 W36	1N	3/5	546/II
		SXR	07:57	1.0	BGD-FKI	080	M2.9		542/I
792	08 12	Ha	13:57	2.6	5629	S16 W38	2B	3/5	546/II
		SXR	13:57E	10.0	BGD-FKI	080	X2.6		542/I
		ITS or SEP	15:00				500 MeV		
		IV dcm	14:06						
		II m	14:15						
		IV m	14:22						
793	08 14	Ha	00:31	2.5	5629	S15 W60	3B	3/5	546/II
		SXR	00:31	5.5	BGD-EKC	080	X3.5		542/I
		II m	00:45						
		IV m	00:48						
Imp	08:14	Ha	09:41	1.0	5643	N14 E48	1N	1+/5	546/II
		SXR	09:41	0.5	BGD-EKC	328	M1.1		542/I
Imp	08 14	Ha	11:59	0.6	5645	N27 E71	1N	1/1	546/II
		SXR	11:59	1.0	BP-EHI	305	M1.1		542/I
Imp	08 14	Ha	19:14	0.4	5629	S18 W66	1N	2-/5	546/II
		SXR	19:14	0.5	BGD-EKC	080	M2.2		542/I
794	08 14	Ha	23:21	1.3	5629	S16 W76	1F	2+/5	546/II
		SXR	23:21	2.5	BGD-EKC	080	M3.4		542/I
795	08 15	Ha	00:47	1.0	5629	S18 W77	1N	2+/3	546/II
		SXR	00:47	2.5	BD-DKI	080	M2.3		542/I
796	08 15	Ha	01:42	1.4	5629	S16 W73	1N	3/5	546/II
		SXR	01:42	6.0	BD-DKI	080	X1.0		542/I
		IV m	02:15						



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797	08 15	Ha	13:29	2.0	5629	S18 W78	1N	2+/5	546/II
		SXR	13:29	3.0	BD-DKI	080	M3.9		542/I
798	08 15	Ha	20:46	0.3	5629	S16 W84	SF	2+/5	546/II
		SXR	20:46	2.0	BD-DKI	080	M5.2		542/I
799	08 15	Ha	22:09	0.1	5629	S16 W88	SF	2/3	546/II
		SXR	21:30	2.5	BD-DKI	080	M4.1		2/5
800	08 16	Ha	00:58	1.3	5629	S15 W85	2N	3/5	546/II
		SXR	00:58	11.0	BD-DKI	080	X20.0		542/I
		SEP	01:30	22.0 + ITS					
		IV m	01:03						
801	08 17	Ha	01:30	1.9	5634/33	S15 W75	3B	3/5	546/II
		Ha	01:32	0.1	5629	S17 W88	SN		542/I
		SXR	00:30	12.0	B-DSO	060	X2.9		
802	08 17	Ha	19:11	0.2	5645	N31 E27	SF	1+/1	546/II
		Ha	19:48	0.9	5643	N17 E06	SF		542/I
		Ha	19:59	0.4	5644	N18 E14	SF		
		Ha	20:00	0.6	5643	N17 W01	SF		
		Ha	20:34	1.20	5641	N19 W10	1F		
		SXR	19:43	4.5	BD-DAI BD-EKC	300 325	M2.9 + ITS		
		II	18:56		B-DAO	302	m		
803	08 18 17	Ha	01:25	1.0	5645	N27 E27	1F	-	546/II
		SXR	23:40	4.5	BP-DKI	300	C5		542/I
		ITS		24.0					
804	08 18	Ha	17:10E	0.50	5643	N12 W10	SF	-	546/II
		SXR	16:00	2.0	BGD-EKC	325	C4		542/I
		ITS		24.0	1600				
805	08 18	Ha	18:59	0.1	5643	N18 W10	SF	-	546/II
		SXR	19:59	0.2	BGD-EKC	325	C3		542/I
		ITS		24.0					
Imp	08 19	Ha	02:45	0.8	5643	N16 W18	SN	-	546/II
		SXR	02:45	1.0	BGD-EKC	325	C8.6		542/I
806	08 19	Ha	19:11	2.3	5645	N27 E02	1N	2+/1	546/II
		SXR	19:15	3.0	BP-EKO	300	C8.2		542/I
		II	19:49				m		
		ITS SEP	19:00 21:00	18.0			to 500 MeV		
Imp	08 19	Ha	21:32	0.5	5643	N18 W28	SF	1-5	546/II
		SXR	21:32	1.0	BGD-EKC	325	C6		542/I
807	08 20	Ha	01:11	0.6	5643?	N18 W40	1N	1/3	546/II
		SXR	01:30	3.0		S20 W75	C5.5		542/I
		ITS	02:00	12.0					

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808	08 20	Ha	22:47	0.8	5644	N20 W24	SF	1-/1	546/II
		SXR	22:47	2.0	B-DAI 230	310	C4		542/I
809	08 21	Ha	23:39E	0.5E	5657	S20 E24	1N	1-/1	546/II
		SXR	23:23E	2.0	AP-CSO	250	C3.3		542/I
810	08 22	Ha	02:04	1.0	5657	S20 E24	1N	1-/3	546/II
		SXR	02:04	2.0	AP-CSO	250	C3.4		542/I
811	08 23	Ha	08:37	0.1	5643	N13 W81	SF	1+/5	546/II
		SXR	08:46	3.5	BP-CKI	325	M1.1		
Imp	08 23	Ha	14:51	0.7	5658A	N28 W79	SN	1-/5	546/II
		SXR	14:51E	1.0	B-BXO	325	C6.5		542/I
		ITS	17:00	7.0			to 14.5 MeV		
812	08 24	Ha	13:21	0.7	5655	N24 E55	SF	-	546/II
		SXR	13:21	2.0	AP-HS	180	C3		542/I
813	08 24	SXR	16:04	2.5	5644/5645?	N20/N27 310/300	C7.7	-	546/II
814	08 24	Ha	18:56	0.2	5643	N15 W90	SF	-	546/II
		SXR	18:30	2.5	BP-CKI	325	C2		542/I
815	08 25	SXR	08:20	2.0	5645?	N27 300	C4	1-/5	546/II
		II	09:14						
816	08 26	Ha	05:30E	0.30	5653	S22 W10	SF	1-/3	546/II
		SXR	05:30	2.0	B-DAO	230	C4.7		542/I
Imp	08 26	SXR	11:42	1.5	5653?	S22/230	M1.1	2/5	546/II
		II	11:51						
817	08 27	SXR	08:20	3.0	5653?/5662?	S22-230 S17-160	C4.8	1-/3	546/II
Imp	08 28	SXR	22:40	1.0			M1.2	2/5	546/II
Imp	08 29	SXR	01:29	1.0			M1.2	2+/5	546/II
		II	01:57						
818	08 29	SXR	04:15	2.0	5669? BD-EKC	S15 E80	C7.9	1-/1	546/II
819	08 29	Ha	08:03	0.4	5669	S14 E83	1N	2+/5	546/II
		SXR	08:24	2.0	BD-EKC	090	M1.8		542/I
820	08 29	Ha	12:42	0.8	5669	S16 E76	1N	1+/5	546/II
		SXR	12:42E	2.0	BD-EKC	090	M4.7		542/I
821	08 29	Ha	14:47	0.3	5669	S16 E72	1B	1+/3	546/II
		Ha	14:53	1.3	5669	S16 E83	SF/M6.8		542/I
		Ha	15:12	0.4	5669	S16 E72	2B		
		SXR	14:53E	2.0	BD-EKC	090			

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Imp	08 29	Ha	16:59E	0.20	5669	S19 E84	SF	1-/5	546/II
		SXR	16:59	0.5	BD-EKC	090	M2.6		542/I
Imp	08 29	Ha	17:17	0.2	5669	S15 E89	1B	1-/5	546/II
		SXR	17:17E	0.5	BD-EKC	090	M2.1		542/I
Imp	08 29	Ha	17:54	0.5	5669	S10 E79	2B	3+/5	546/II
		SXR	17:54	0.5	BD-EKC	090	M1.9		542/I
822	08 29	Ha	19:16	1.2	5669	S14 E76	SF	1+/1	546/II
		SXR	19:16	2.0	BD-EKC	090	C7.2		542/I
Imp	08 29	Ha	23:53	0.5	5669	S19 E89	1N	2/5	546/II
		SXR	23:51	1.0	BD-EKC	090	M1.3		542/I
823	08 30	Ha	02:38	1.1	5671	S20 E69	2N	3/5	546/II
		SXR	02:39E	2.5	B-EKI	070	M4.0		542/I
824	08 30	Ha	03:04	1.0	5675B	S20 E58	1N	3/3	546/II
		SXR	03:04	2.0	AP	060	M3.0		542/I
825	08 30	Ha	04:32	0.4	5671	S22 E69	SN	2/3	546/II
		SXR	04:32E	2.0	B-EKI	070	C7.3		542/I
826	08 30	Ha	16:41	0.5	5669	S17 E76	SN	2+/5	546/II
		SXR	16:48E	2.0	BGD-FKI	090	M7.1		542/I
Imp	08 31	Ha	16:05	0.3	5671	S20 E50	1N	1+/5	546/II
		Ha	16:12	0.6	5671	S18 E67	SF		542/I
		SXR	16:05E	1.0	BG-EKI	070	M1.9		
827	08 31	Ha	16:48	0.1	5669	S16 E53	SF	1+/5	
		Ha	16:52	0.3	5671	S19 E64	SF		
		Ha	18:11	0.7	5669	S13 E51	SF		546/II
		SXR	16:41	7.0	BGD-FKC BG-EKI	090 070	M1.9		542/I
828	09 01	SXR	01:00	3.0			C3	1-/3	547/II
829	09 01	Ha	04:50	1.2	5671	S21 E61	1N	3/5	547/II
		Ha	05:29	2.1	5669	S16 E47	1N		543/I
		Ha	14:46	0.3	5669	S16 E39	SF/M2.0		
		SXR	04:05	13.0	BGD-EKC BGD-EKC	080 095	M4.6		
Imp	09 01	Ha	08:10	0.3	5671	S18 E59	SB	3/5	547/II
		SXR	08:10	1.0	BGD-EKC	080	X2.3		543/I
830	09 01	Ha	23:51	1.2	5671	S19 E44	2N	3/5	547/II
		SXR	23:50E	2.0	BGD-EKC	080	M5.8		543/I
831	09 02	Ha	11:31	0.9	5671	S17 E48	1B	1+/5	547/II
		SXR	11:30E	2.0	BGD-FKC	080	M2.3		543/I
832	09 02	Ha	14:27	0.9	5669	S17 E39	SN	2-/3	547/II
		SXR	14:30	2.0	BGD-FKC	095	C3		543/I

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Imp	09 02	Ha	17:02	0.8	5669	S18 E35	SF	2-/3	547/II
		SXR	17:02E	1.0	BGD-FKC	095	C5.5		543/I
Imp	09 02	Ha	18:08	0.4	5669	S18 E32	SF	1+/3	547/II
		SXR	18:22	1.0	BGD-FKC	095	C4.7		543/I
833	09 02	Ha	19:30	1.6	5669	S17 E27	SF	1-/5	547/II
		Ha	19:35	0.6	5672	N25 E60	SF		543/I
		SXR	19:33E	2.0	BGD-FKC B-CAO	095 055	C7.3		
834	09 02	Ha	20:41	1.1	5669	S17 E25	SF	1-/5	547/II
		SXR	20:41E	2.0	BGD-FKC	095	M1.7		543/I
835	09 02	Ha	22:35	1.5	5669	S16 E20	1N	2+/5	547/II
		SXR	22:25E	2.5	BGD-FKC	095	M4.6		543/I
836	09 03	Ha	01:58	0.7	5669	S18 E27	SF	2-/3	547/II
		SXR	02:06E	2.0	BGD-FKC	095	C7.0		543/I
Imp	09 03	Ha	10:35	0.3	5671	S18 E32	1B	2+/5	547/II
		SXR	10:37	0.5	BGD-FKC	085	M5.0		543/I
837	09 03	Ha	14:28	0.5	5669	S17 E19	1B	3-/5	547/II
		SXR	14:28	2.5	BGD-FKC	095	X1.2		543/I
838	09 03	Ha	15:02	0.9	5671	S21 E23	SF	-	547/II
		Ha	15:04	1.3	5669	S19 E17	SF		543/I
		SXR	15:02	2.5	BGD-FKC BGD-FKC	085 090	M1		
Imp	09 03	Ha	23:36	0.2	5669	S17 E27	1N	3-/5	547/II
		SXR	23:36	1.0	BGD-FKC	095	M1.8		543/I
Imp	09 04	Ha	03:03	0.3	5669	S18 E25	SN	2/3	
		SXR	03:03	0.5	BGD-FKC	095	C9.9		543/I
Imp	09 04	Ha	05:00	0.5	5669	S18 E22	SN	1-/3	547/II
		SXR	04:59	0.5	BGD-FKC	095	C5.5		543/I
839	09 04	Ha	06:10	0.8	5669	S16 E08	SN	2/5	547/II
		SXR	06:10	2.0	BGD-FKC	095	M1.3		543/I
840	09 04	Ha	08:57	0.8	5669	S18 E20	1B	2-/5	547/II
		SXR	08:57	2.0	BGD-FKC	095	X1.1		543/I
		Ha	09:47	0.3	5669	S17 E04	SB		
		II	09:23		BGD-FKC	095			
841	09 04	Ha	12:04	1.0	5669A	S22 E18	1B	1/5	547/II
		SXR	12:04	2.0	A-AX	085	M1.4		543/I
842	09 04	Ha	12:55	0.7	5672	N23 E40	SN	1/5	
		SXR	12:55	2.0	B-EAI	060	M2.0		543/I
843	09 04	Ha	15:18	1.1	5669	S15 E03	SF	1-/5	
		SXR	15:18	2.0	BGD-FKC	095	C9.7		543/I

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844	09 04	Ha	20:43	1.0	5672	N25 E34	1N	1-/5	547/II
		SXR	20:43	2.0	B-EAI	060	C8.9		543/I
845	09 05	Ha	01:53	0.6	5676	N28 E65	SF	2-/3	547/II
		SXR	01:53	2.0	B-ESO	025	C8.7		543/I
Imp	09 05	Ha	04:57	0.2	5669	S17 E13	1B	2-/3	
		SXR	04:57	0.3	BGD-FKC	095	M1.7		543/I
846	09 05	Ha	06:19	0.8	5672	N24 E30	SF/C4.0	1-/5	547/II
		SXR	06:19	2.0	BG-FHI	060	C4.0		543/I
		Ha	06:42	0.2	5682	N29 E46	1F/C5.7		
					A-AX	035			
847	09 05	Ha	09:35E	0.2D	5672	N24 E27	SB	1-/1	547/II
		SXR	09:35	2.0	BG-FHI	060	C3		543/I
848	09 05	Ha	11:05	0.2	5670	S21 W46	1B	1-/3	547/II
		SXR	11:05	2.0	B-CSO	125	C3		543/I
Imp	09 05	Ha	13:13	0.7	5669	S18 E06	SB	2/5	547/II
		SXR	13:13	0.5	BGD-FKC	095	M3.2		543/I
849	09 05	Ha	21:38	1.3	5669	S17 W03	1B	2+/5	547/II
		SXR	21:38	2.5	BGD-FKC	095	M4.7-M5.7		
850	09 05	Ha	23:07	1.3	5676	N28 E56	SF	1/1	547/II
		Ha	23:36	0.6	5672	N25 E21	SN		
		SXR	23:36E	2.0	B-ESO BG-FHI	025 060	M1.3		
851	09 06	Ha	00:44	0.7	5669	S17 W08	SN	2/5	547/II
		SXR	00:44	2.0	BGD-FKC	095	M1.3		543/I
852	09 07	Ha	05:29	0.8	5669	S17 W26	SF	1/3	547/II
		SXR	05:29	2.0	BGD-FKC/I	095	M1.1		543/I
Imp	09 07	Ha	08:22	0.5	5669	S15 W33	1N	2-/5	547/II
		SXR	08:22	0.5	BGD-FKC/I	095	M1.6		543/I
Imp	09 07	Ha	15:33	0.2	5669	S18 W20	1B	1-/5	547/II
		SXR	15:33	0.2	BGD-FKC/I	095	M1.1		543/I
Imp	09 07	Ha	20:51	0.9	5669	S15 W39	SB	1+/5	547/II
		SXR	20:51	0.9	BGD-FKC/I	095	M1.4		543/I
853	09 08	Ha	03:23	1.0	5676	N27 E28	1N	1/3	547/II
		SXR	03:23	2.0	B-EAO	060	M1.1		543/I
854	09 08	Ha	04:07	0.9	5669	S19 W29	SN	1/3	547/II
		SXR	04:07	2.0	BGD-FKC	095	M1.1		543/I
855	09 08	Ha	17:50	1.1	5683	N18 E33	1N/M1.0	2/3	547/II
		SXR	17:50	2.0	B-CRO	010			543/I
856	09 08	Ha	21:03	1.4	5669	S16 W50	SN	1+/5	547/II
		SXR	21:03	2.0	BGD-FKC	095	M1.6		543/I

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Imp	09 09	Ha	04:37	0.5	5669	S15 W57	SN	2/5	547/II
		SXR	04:37	0.5	BGD-FKC	095	M1.1		
Imp	09 09	Ha	05:28	0.6	5680	N18 E31	1B	2-/5	547/II
		SXR	05:28	1.0	BD-FKI	350	M1.4		
No.1820									
Imp	09 09	Ha	09:10	0.4	5680	N17 E30	1B	2/5	547/II
		SXR	09:10	0.5	BD-FKI	350	X1.4		
		IV dcm	09:10						
		II	09:18						
Imp	09 09	Ha	15:32	0.3	5680	N21 E26	SN	1-/5	547/II
		SXR	15:32	1.0	BD-FKI	350	C8.7		
Imp	09 09	Ha	18:51	0.4	5680	N20 E24	1N	1-/5	547/II
		SXR	18:51	0.4	BD-FKI	350	M1.2		
857	09 09	Ha	19:28	0.5	5669	S15 W67	1F	3-/5	547/II
		SXR	19:28	2.0	BGD-FKC	095	X1.3		
858	09 10	Ha	01:31	0.9D	5676	N28 W04	SN	1+/3	547/II
		Ha	01:35	0.5	5687	N17 E56	1N/M1.3		
		SXR	01:30	2.0	BG-FAI B-EAI	060 325 No.1820	M1.3		
859	09 10	Ha	05:27	0.6	5669	S21 W54	2N	1+/5	546/II
		SXR	05:27	2.0	BGD-FKI	095	M1.3		
Imp	09 10	Ha	07:49	0.5	5669	S16 W76	1N	2/5	
		SXR	07:49	1.5	BGD-FKI	095	M2.8		
Imp	09 11	Ha	19:38	0.6	5680	N19 W02	2B	2/5	547/II
		SXR	19:38	0.6	BD-FKI	350	M6.2		
		IV m	19:38						
		II	19:51						
Imp	09 11	Ha	20:58	0.4D	5683	N16 W12	SF	1-/5	547/II
		SXR	20:58	1.5	B-DKI	010	C9.0		
Imp	09 11	Ha	23:28	0.9	5669	S19 W75	SF	2+/5	547/II
		SXR	23:28	1.5	BG-FKI	095	M2.2		
860	09 12	Ha	05:28	0.4	5669	S21 W84	1N	2+/5	547/II
		Ha	05:01	0.3	5669	S20 W88	SB		
		SXR	04:58E	2.0	B-DAI	095	M3.2		
861	09 12	Ha	05:45E	3.0	5669	S21 W87	1N	2/5	547/II
		SXR	06:30	12.0	B-DAI	095	M5.3		
		II	06:41						
862	09 12	Ha	10:09	1.7	5686	N17 E15	2B	1-/5	547/II
		Ha	10:04	0.5D	5684	N26 E17	1N		

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862	09 12	Ha	10:09	0.3D	5671B	N14 E10	1B	1-/5	547/II
		SXR	10:03	2.0	A-AX	340	M7.3		543/I
	p 44	MeV	13:00		B-BXO	338			
						345			
Imp	09 13	Ha	03:29	0.7	5687	N17 E10	2N	3-/3	547/II
		SXR	03:29E	1.0	B-FAI	330	M3.6		543/I
Imp	09 13	Ha	08:13	0.4	5676	N26 W42	SN	2-/5	
		SXR	08:13	0.5	BG-EAO	060	M1.1		543/I
863	09 14	Ha	00:40	0.6	5683	N15 W36	SF	1-/3	547/II
		SXR	00:40	2.0	B-EKI	010	C4		
864	09 14	Ha	06:59	0.7	5683	N16 W41	1N	2+/5	547/II
		SXR	06:59	2.0	B-EKI	010	M2.4		543/I
865	09 14	Ha	07:38	0.7	5694	N24 E42	1N	-	547/II
		SXR	07:38	2.0	B-DAO	280	M1.1		543/I
866	09 15	Ha	06:43	0.3	5676	N27 W73	1F	1-/3	547/II
		Ha	07:21	0.3D	5698	S28 E90	1N		543/I
		Ha	08:45	0.4	5698	S24 E90	SN		
		Ha	09:35	0.4D	5698	S28 E90	1F		
		SXR	06:27	5.5	B-EAO	030	C6.4		
					B-DAO	230			
867	09 15	Ha	22:30	1.6	5690	N23 W24	1F	2/5	547/II
		SXR	22:30	6.5	B-EAO	320	M2.3		543/I
Imp	09 16	Ha	16:22	0.5	5683	N14 W73	1F	1-/5	547/II
		SXR	16:22	0.4	A-HS	010	M1.2		543/I
868	09 17	Ha	02:17	0.4	5686	N16 W49	SN	-	547/II
		SXR	01:08	2.0	B-DKO	340	C4.1	1-/3	543/I
869	09 17	Ha	18:31	0.9	5686	N14 W54	1F	2/3	547/II
		SXR	18:31	2.0	B-DKO	340	M1.2		543/I
870	09 18	SXR	00:31	2.0			C2.7	1-/1	547/II
Imp	09 18	Ha	04:11	0.7	5687	N19 W57	1N	1/3	547/II
		Ha	04:24	0.5	5698	S26 E51	1N		543/I
		SXR	04:15	1.5	B-CRO	325	C9.6		
					B-EKI	230			
871	09 18	Ha	05:24	0.4	5698	S24 E52	SB	1-/5	547/II
		SXR	05:24	2.0	B-EKI	230	C3.1		543/I
Imp	09 18	Ha	18:49	0.8	5686	N18 W65	2N	2/3	547/II
		SXR	18:49	0.5	B-DKI	340	M1.1		543/I
872	09 18	Ha	23:35E	0.8D	5698	S30 E39	SF	1-/1	547/II
		SXR	20:54	3.5	B-EKI	230	C8.0		543/I
Imp	09 19	Ha	09:35	0.9	5698	S26 E35	SN	2+/3	547/II
		SXR	09:35	0.5	BG-EKI	230	M1.2		543/I

Imp	09 19	SXR	16:05	1.0			M4.1	2-/5	547/II
Imp	09 19	SXR	20:41	1.0			C6.3	1-/5	547/II
Imp	09:20	Ha	07:35	0.1U	5702	S19 W01	SF	1/5	547/II
		II	06:33		B-DS0	240			
Imp	09 20	Ha	11:52	1.1	5698	S27 E22	SB	1/1	547/II
		SXR	12:22	1.0	B-EKC	230	C2.8		543/I
873	09 20	Ha	18:01	0.4	5698	S28 E17	SF	2-/3	547/II
		SXR	18:01	2.5	B-EKC	230	C6.4		
874	09 21	Ha	02:40	0.1	5698	S27 E13	SF	3/3	547/II
		Ha	02:58	0.6	5698	S27 E13	1N		543/I
		SXR	02:59	2.5	BG-EKC	230	M2.9		
Imp	09 21	Ha	12:33	0.5	5698	S27 E04	1N/C1.9	2/1	
		Ha	13:08	0.5	5698	S27 E04	1N/M1.5	2-/5	543/I
Imp	09 21	Ha	15:56	0.2	5698	S27 E05	SF/C7.8	1+/5	547/II
					BG-EKC	230			
875	09 21	Ha	19:06E	1.0D	5698	S27 E03	1F	2-/3	
		SXR	19:06	2.0	BG-EKC	230	M1.9		543/I
876	09 23	SXR	05:08	2.0	5698?		C2.3	-	547/II
					BGD-EKC	230			
877	98 23	SXR	13:29	3.0	5698?		C3.2	1-/1	547/II
		II	13:36		BGD-EKC	230			
878	09 23	SXR	22:30	2.0	5698?		C4.0	1-/5	547/II
					BGD-EKC	230			
879	09 24	SXR	01:00	2.0			C2.0	1-/3	547/II
880	09 24	Ha	08:14	1.0	5698	S29 W28	SN	2/5	
		Ha	09:43	0.1	5698	S29 W28	SN	1-/1	543/I
		Ha	10:22	0.1	5698	S29 W27	SF		
		SXR	08:14	3.0	BGD-EKC	230	M1.4		
881	09 24	Ha	10:50	0.2D	5694	N25 W90	1N	-	547/II
		Ha	11:30	0.7	5698	S28 W27	SF		543/I
		SXR	10:58	2.0	B-CS0	280	C2.3		
					BGD-EKC	230			
Imp	09 24	SXR	17:50	0.5			C5.6	2-/3	547/II
882	09 24	SXR	19:24	3.5	5698?		C2.6	-	547/II
					BGD-EKC	230			
Imp	09 24	SXR	20:23E	1.0	5708?	S13 E90	M1.6	1+/5	547/II
					B-BX0	090			
Imp	09 25	Ha	01:45	0.3	5698	S30 W38	SF	1-/3	547/II
		SXR	01:45	1.0	BGD-EKC	230	C3.8		543/I



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883	09 25	Ha	04:10	0.1	5703	S23 W04	SF	1+/3	547/II
		SXR	03:03	3.0	5698?	S30 W38	C9.8		543/I
					B-CAO BGD-EKC	185 230			
884	09 25	Ha	13:12	0.3	5698	S27 W47	SN	2-/5	547/II
		SXR	13:12	2.5	BGD-EKC	230	M1.2		
		SXR	13:42				C6.6		
885	09 25	Ha	23:40	0.5	5708	S16 E78	1N	2+/5	547/II
		SXR	23:40	2.5	B-BX0	090	M3.3		543/I
Imp	09 26	Ha	07:27E	0.10	5708	S15 E80	SN	1-/3	547/II
		SXR	07:24	0.5	B-CR0	090	C5.0		
Imp	09 26	Ha	12:26	0.3	5698	S25 W58	SN	1/5	547/II
		SXR	12:26	0.5	BGD-EKI	230	C8.2		
		II	12:40						
886	09 26	Ha	16:40E	0.30	5712	S18 E87	SF	3/1	
		SXR	16:40	2.0	B-CK0	070	C5.6		
887	09 27	Ha	09:50	0.7	5703	S22 W34	SN	1-/3	
		SXR	09:50	3.5	B-CS0	105	C4.5		543/I
Imp	09 27	Ha	17:00	0.3	5698	S20 W75	SF/M1.6	1-/5	547/II
					BGD-EKI	230			
888	09 27	Ha	20:13	0.2	5698	S28 W86	1F	-	547/II
		SXR	20:13	4.5	BGD-EKI	230	C7		
Imp	09 27	SXR	23:56	0.5	5712	S19 E85	M1.6	1+/5	547/II
					B-CK0	070			
Imp	09 28	Ha	09:20	0.30		N31 W90	SN	2+/5	
		SXR	09:19				M2.9		547/II
Imp	09 28	Ha	13:47E	0.50	5712	S19 E85	1B.	2/5	547/II
		SXR	13:47	0.5	BG-FKI	070	M3.5		543/I
889	09 29	SXR	00:25	2.5			C9.2	2/5	547/II
890	09 29	Ha	10:00E	0.10	5698	S32 W90	2N	3/5	547/II
		Ha	11:41	2.1	5698	S24 W90	1B		543/I
		SXR	10:47	7.5	A-HK	230	X9.8		
		SEP n	11:50			W105?			
		IV m	11:22						
		IV dcm	11:55						
891	09 30	Ha	02:34	1.5	5712	S18 E35	2N	3/3	547/II
		Ha	02:41	1.2	5712A	S12 E40	3B		543/I
		SXR	02:39E	3.0	BG-FKI B-BX0	070 074	M2.9		
892	09 30	Ha	08:15	0.2	filament	S27 E43	SB	-	547/II

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892	09 30	Ha	09:58	0.3		S26 E42	SB		543/I
		SXR	08:15	4.0		070	C4		
893	10 01	SXR	00:07	2.5	5714?	N27 E50	C6.8	2/5	548/II
		ITS	00:00	24.0		050			
894	10 02	Ha	02:04	0.3	5716	N14 E37	SF	-	548/II
		SXR	02:04	2.5	B-DAO	060	C3.4		544/I
895	10 02	Ha	05:01E	2.1	5715	S34 W02	1B	-	548/II
		SXR	05:01E	2.5	B-CAO	085	C3.4		544/I
Imp	10 02	Ha	07:50	0.5	5708	S17 W04	SN	1-/5	548/II
		SXR	07:50	1.0	B-BX0	090	C3.8		544/I
896	10 02	Ha	08:41	1.2	5712	S17 E05	1F	2/5	548/II
		Ha	08:48	0.7	5715	S22 W07	SF		544/I
		Ha	09:06	0.6	5712	S15 E13	SF		
		SXR	08:41	4.5	BG-FKI B-CAO	070 085	M1.5		
897	10 02	Ha	11:56	0.5	5743B	N28 E78	SF	1-/1	548/II
		SXR	11:56	2.0	A-AX	010	C6		544/I
898	10 03	Ha	09:56	1.4	5709	S13 W40	1N	1/1	548/II
		Ha	10:10	0.5	5721	N30 E80	SF		544/I
		SXR	10:10	2.5	A-AX	110	C5.1		
		ITS	00:00	18.0	BG-FAI	350			
899	10 03	Ha	12:48	1.1	5714	N29 E23	1N	2/1	548/II
		Ha	12:58	0.9	5719	N24 E23	1N		544/I
		SXR	12:48	2.5	B-DAO B-CSO	050 040	C5.2		
900	10 03	Ha	22:58	0.7	5714	N29 E25	SF	1-/5	548/II
		SXR	22:58	2.0	B-DAO	050	C6.6		544/I
Imp	10 04	SXR	04:27				C2.3		548/II
		II	04:27						
901	10 04	Ha	05:06	0.2	5709	S16 W55	1N	1-/1	548/II
		Ha	05:19	1.0	5716	N14 E10	1N		544/I
		SXR	05:06	2.0	B-BX0 B-CAO	110 060	C4.0		
		II	05:18						
902	10 04	Ha	08:34	0.5	5721	N28 E61	1N	2/5	548/II
		SXR	08:34	2.0	BG-FAI	350	C7.1		544/I
903	10 04	Ha	09:35	0.6	5719	N23 E12	1N	1-/1	548/II
		SXR	09:35	2.5	B-CAO	040	C6.6		544/I
		IV dcm	09:42						
		II	09:55						
904	10 04	Ha	14:23	0.4	5714	N32 E18	SF	1/3	548/II
		SXR	14:23	2.0	B-CAO	050	C5.3		544/I

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905	10 05	Ha	03:38	0.3	5724	S12 W04	1N	1-/1	548/II
		SXR	03:38	2.5	B-CRO	060	C5		544/I
906	10 05	Ha	06:07	0.2	5712	S18 W39	SN	1-/1	548/II
		Ha	06:47	0.80	5726B	N15 E59	C3.7	1-/5	544/I
		SXR	06:08E	2.8	B-EAO A-AX	070 350	C4.5		
907	10 05	Ha	11:52	0.4	5715	S26 W43	SF/C6.7	1-/5	548/II
		Ha	11:54	0.5	5721	N29 E52	SN		
		SXR	11:58	2.0	B-BX0 BG-FAI	085 350	C6.7		
908	10 05	Ha	13:59	0.3	5712	S19 W39	SF	1/1	544/I
		SXR	13:59	2.0	B-EAO	070	C5.1		548/II
909	10 05	Ha	19:06	0.2	5721	N30 E39	SF	1/1	544/I
		SXR	19:06E	3.0	BG-FAI	350	C3.2		548/II
910	10 07	Ha	03:52	1.2	5721	N28 E28	SN	1-/1	548/II
		Ha	05:14E	0.50	5723	N20 E25	SN	1/5	544/I
		Ha	05:38	0.4	5719	N25 W27	SN		
		SXR	03:52E	3.5	BG-FAI B-CS0 B-CA0	350 355 040	C5.9		
911	10 07	SXR	12:48	4.5	5721?	N28 350	C6.0	-	544/I
912	10 08	Ha	03:44	0.4	5725C	N21 E30	SN	1-/1	548/II
		SXR	03:44	2.0	A-AX	340	C3.9		544/I
913	10 09	Ha	01:51	1.1	5728	N19 E27	1N	1+/1	548/II
		SXR	01:51	2.5	B-CA0	315	C6.9		544/I
914	10 09	Ha	11:00	0.5	5726A	N20 E13	SF	-	548/II
		SXR	11:00	2.5	B-BX0	330	C3		544/I
915	10 09	Ha	19:38	0.6	5719	N24 W56	SF	-	548/II
		SXR	19:38	2.0	A-HS	040	C2.5		544/I
916	10 11	Ha	04:42	0.7	5721	N28 W21	1N	1-/5	548/II
		SXR	04:38	2.5	B-CA0	350	C5.0		544/I
917	10 12	Ha	04:52	0.6	5721	N27 W35	1N	1-/1	548/II
		SXR	03:24	2.0	B-BX0	350	C4		544/I
918	10 12	Ha	15:06	0.1	5726	S12 W46	SF	1-/5	548/II
		SXR	15:06	2.0	A-AX	355	C3.7		544/I
919	10 12	Ha	23:37	1.2	5725B	N20 W35	2F	1/5	548/II
		SXR	23:37	2.5	A-AX	350	M1.1		544/I
920	10 13	Ha	02:16	0.5	5726	S13 W52	SF	-	548/II
		SXR	02:16	2.0	A-AX	355	C5		544/I
Imp	10 13	SXR	02:55	0.5	x	x	M1.0	2+/5	548/II

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921	10 13	Ha	07:04	1.7	5747	S23 E87	Loops	3/5	548/II
		SXR	05:00	10.0	B-DKC	210	M4.1		544/I
Imp	10 14	Ha	22:37	0.4	5747	S24 E66	1N/M1.1	2/5	548/II
922	10 14	Ha	23:33	0.4	5747	S30 E68	SF	1-/5	548/II
		SXR	23:33	6.5	B-DKO 600	210	M1.0		544/I
Imp	10 15	Ha	14:20	0.9	5740	S14 E20	1B/M1.6	1+/5	548/II
923	10 16	Ha	12:58	0.9	5748	S15 E51	SF	1+/3	548/II
		SXR	13:00	2.0	B-CSO	210	C4.3		544/I
Imp	10 17	Ha	18:50	0.2	5747	S28 E35	SN	1-/5	548/II
		SXR	18:50	1.0	BD-EKC	210	M1.0		544/I
924	10 18	Ha	00:10	3.9	5748	S13 E30	1B	3/3	544/I
		Ha	00:22	4.1	5747	S28 E30	1F		548/II
		SXR	00:10	10.0	B-CAO BD-EKC	210	M2.7		
Imp	10 18	Ha	04:37	0.4	5747	S30 E28	1N/M1.6	3-/5	548/II
925	10 18	Ha	11:19	0.8	5753	S23 E51	SF	1-/5	544/I
		SXR	11:19	2.0	B-CSO	175	C5.4		548/II
926	10 18	Ha	15:00	0.9	5747	S29 E24	SF	1+/5	544/I
		SXR	15:00	2.0	BD-EKC	210	C6.6		548/II
927	10 18	Ha	16:51	1.6	5744	S23 E07	SF/C5.9	1/3	544/I
		Ha	18:06	1.7	5747	S25 E16	2B	3-/3	548/II
		SXR	18:06E	3.5	B-CAO BD-EKC	230 210	M7.4		
928	10 18	Ha	23:28	0.3	5753	S26 E44	SF	1-/1	544/I
		SXR	23:28	2.0	B-CSO	175	C4		548/II
929	10 19	Ha	08:46	0.8	5747	S26 E10	1N	2-/5	544/I
		SXR	08:46	2.5	BD-EKI	210	M1.6		548/II
930	10 19	Ha	09:53	0.8	5753	S17 E35	1F	2-/1	544/I
		SXR	09:53	2.0	B-CSO	175	M1		548/II
931	10 19	Ha	11:01	0.9	5747	S28 E12	SN	1/1	544/I
		SXR	11:01	2.0	BD-EKI	210	M1		
932	10 19	Ha	12:29	9.3	5747	S25 E09	3B	2+/5	544/I
		SXR	12:29	14.0	BD-EKI	210	X13.0		548/II
		IV dcm	12:45						
		II	12:48						
		SEP	13:00	24.0					
		n	SGD 544/I p. 144, p. 85						
Imp	10 20	Ha	03:39	0.2	5747	S28 E02	1N/M1.1	2+/5	544/I
933	10 20	Ha	14:16	1.2	5747	S28 W02	1N	1+/1	544/I

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933	10 20	Ha	14:28	0.4	5755	S15 W19	SF		548/II
		SXR	14:16	4.0	BGD-EKC B-CAO	210 220	M1.6		
		ITS	14:00!		SEP or ITS		E <sub>p</sub> to 850 MeV		
Imp	10 21	Ha	01:53	0.2	5747	S27 W09	2N/M2.4	2+/3	544/I
934	10 21	Ha	06:14	0.9	5747	S24 W13	SN	-	544/I
		Ha	06:49	1.3	5754	S19 E67	1F	2-/1	548/II
		SXR	06:40E	4.5	B-EAO B-ESI	210 130	M1.9		
		ITS	00:00	24.0					
935	10 21	Ha	08:15	0.9	5747	S27 W13	1F	2/5	544/I
		SXR	08:15	2.0	B-EAO	210	C9		548/II
Imp	10 21	Ha	23:48	0.6	5747	S28 W22	SN/M3.1	3/5	544/I
Imp	10 22	Ha	01:00	0.3	5754	S18 E61	1N/M1	2/1	548/II
936	10 22	Ha	03:09	1.5	5747	S28 W26	1N	1+/1	544/I
		SXR	03:09	2.0	BD-EKI	210	C6.1		548/II
		ITS	00:00	24.0					
937	10 22	Ha	05:11	2.1	5744	S23 W30	2B	1/1	544/I
		SXR	05:20	2.5	A-AX	230	C5.4		
938	10 22	Ha	11:20	1.1	5747	S28 W27	1N	2/5	548/II
		SXR	11:20	2.0	BD-EKI	210	M1		544/I
939	10 22	Ha	13:06	0.5	5754	S22 E53	1F	1-/5	548/II
		SXR	13:06	2.0	B-ESI	130	C8.9		544/I
Imp	10 22	Ha	15:54	0.4	5747	S27 W28	SN/M1.3	1-/5	548/II
940	10 22	Ha	17:08	4.0	5747	S27 W32	1N	2+/1	548/II
		SXR	17:08	7.0	BD-EKI	210	X2.9		544/I
		IV m	17:44						
		II	17:45						
		SEP n	18:00	6.0					
		ITS	00:00	24.0					
941	10 23	Ha	00:47	1.0	5750	N12 W79	1F	1/1	548/II
		SXR	00:47	2.0	A-AX	240	C7		544/I
		ITS	00:00	24.0	new				
942	10 23	Ha	03:42	0.2	5747	S27 W37	SN/C7.3	2/3	548/II
		Ha	04:10	0.7	5747	S26 W40	1N		544/I
		SXR	04:10	2.0	BD-EKC	210	M1.0		
943	10 23	Ha	06:32	1.3	5747	S29 W38	1N	1-/1	548/II
		SXR	06:32	3.0	BD-EKC 100	210	M1.7		
Imp	10 23	Ha	10:53	0.8	5747	S26 W43	SF/C5	-	548/II
944	10 23	Ha	12:35	1.1	5747	S27 W41	2B	3/5	548/II

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944	10 23	Ha	13:23	2.1	5744	S22 W65	SF	-	544/I
Imp		Ha	13:34E	0.2D	5747	S30 W43	SN		548/II
		SXR	12:35	2.0	BD-EKC A-AX	210 230	X1.5		
Imp	10 23	Ha	14:02	0.8	5747	S27 W43	SF/C5	2/1	548/II
945	10 24	Ha	10:50	0.3	5747	S30 W58	SN	1-/5	548/II
		Ha	11:03	0.3	5748	S21 W57	SF		544/I
		SXR	10:50	2.0	BD-DKI BG-EAI	210 210	C6		
946	10 24	Ha	17:38	6.2	5747	S29 W57	2N	3/3	548/II
		Ha	17:41	0.4	5748	S18 W52	SF		544/I
		Ha	18:30	0.3	5748	S17 W61	SF		
		SXR	17:48		BD-DKI	210	M5		
		SXR	17:38	13.0	BG-EAI	210	X5.7		
		SEP n	18:00	12.0			E <sub>p</sub> to 850 MeV		
		IV m	18:16						
		II	18:01 +	18:06 +	18:36				
		ITS	00:00	48.0					
Imp	10 25	Ha	04:58	0.3	5747	S28 W76	1N/M1.1	1-/5	548/II
947	10 25	Ha	16:33	1.4	5747	S29 W68	1N	1+/5	548/II
		SXR	16:33	2.0	BD-EKI	210	M8.7		544/I
		ITS	00:00	24.0					
Imp	10 26	Ha	11:55	0.3/1.0	5747	S27 W77	SF/C4.9	1-/5	
948	10 26	Ha	20:46	0.2	5747	S30 W79	SF	3-/5	548/II
		SXR	20:46E	2.5	BD-DKI	210	M8.1		544/I
949	10 26	SXR	23:19	3.0	5748	S19 W80	M4.1	3/3	548/II
		IV m	23:25		B-FAI	210			544/I
950	10 27	Ha	11:31	0.6	5747	S33 W88	1N	3/5	548/II
		SXR	11:35	2.5	BD-DKI	210	M6.2		544/I
951	10 27	SXR	14:00	3.0	5747?/8?	S20-210	C5	-	548/II
952	10 27	Ha	19:01	0.2	5747	S31 W81	1F	1/1	548/II
		SXR	19:01	3.0	BD-DKI	210	X1.0		544/I
953	10 28	SXR	05:10	6.0	5747?	S31 W81	M2.1	3-/3	548/II
						210			
954	10 28	Ha	10:50	0.8D	5747	S27 W90	1N	1/1	548/II
		SXR	11:20	5.0	BD-DKI	210	M1.6		544/I
955	10 29	SXR	02:21	3.0	5770? B-DAO	N17 E68	M2	3/1	548/II
						025			544/I
		II	02:03						
		II	03:02						
		IV m	03:16						
		SEP	05:00	3.0					

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956	10 29	Ha	05:40	0.4	5770	N17 E68	SF	3/5	548/II
		SXR	04:00	10.0	B-DAO	025	M4.0		544/I
		IV m	03:55		5769	N25 E75			
		II	03:55		BG-DAO	010			
	ITS or	SEP	05:00	8.0					
957	10 29	Ha	21:29	1.6	5769	N26 E75	1N	2/5	548/II
		SXR	21:29E	2.5	BG-DAO	010	M2.3		544/I
Imp	10 30	Ha	21:11	0.6	5769	N27 E60	SN/C8.6	1-/5	548/II
					B-EAI	010			544/I
958	10 31	Ha	05:11	1.3	5769	N26 E55	SF	2/1	548/II
		SXR	05:11E	2.5	B-EKI	010	M1.4		544/I
Imp	10 31	Ha	05:53	0.2	5764	N24 E30	SN	2/1	548/II
					B-BX0	040			
959	10 31	SXR	08:00	2.0	5769?	N26-010	C7	1+/3	548/II
960	10 31	SXR	16:13	3.0	5769?	N26-010	M1.1	1-/5	548/II
Imp	10 31	SXR	20:50E	0.10/0.3	5763	N21 W27	SF/M1.9	2-/5	548/II
961	11 01	Ha	07:15	0.8	5768	S11 W54	SF	-	549/II
		SXR	07:15	2.5	B-BX0	100	C2		545/I
962	11 02	SXR	04:00	3.0	5769?	N26 E21	C6	1-/3	549/II
					B-EKI	005			545/I
Imp	11 02	Ha	12:17	1.1	5776	N19 E74	2B	2+/5	549/II
		SXR	12:17	1.5	B-EK0	330	M3.3		545/I
Imp	11 03	Ha	06:43	0.50	5776	N19 E62	1N	3/5	549/II
		SXR	06:43	0.5	B-FA0	330	M3.7		545/I
		II	06:52						
Imp	11 03	SXR	10:31	1.0	x	x	C6.2	1-/5	549/II
Imp	11 03	Ha	19:53	0.7	5776	N18 E59	1B/M3.0	2-/5	549/II
		II	20:03		B-FA0	330			
963	11 04	Ha	17:20	0.9	5769	N28 W02	SF	2/3	549/II
		SXR	17:20	3.0	BG-EKI	005	C4.8		545/I
Imp	11 04	Ha	21:06	0.7	5769	N23 W08	1N/C9.7	1+/5	549/II
Imp	11 04	Ha	22:53	0.4	5772	S20 W04	1N/C5.4	1-/1	549/II
		II	22:59		B-CS0	340			
Imp	11 05	Ha	07:19	0.8	5769	N23 W11	1F/M1.0	2/5	
Imp	11 05	Ha	12:32	0.60	5776	N22 E32	SF/C6.3	1-/5	549/II
Imp	11 05	Ha	13:32E	0.40	5770	N16 W33	1N/C5.8	1/5	549/II
Imp	11 06	Ha	09:16	0.3	5776	N17 E24	SN/C8.1	1/5	549/II
		II	09:25		B-DKI	330			

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Imp	11 06	Ha	12:10	0.6	5776	N17 E25	1N/M3.7	2+/5	549/II
964	11 06	Ha	12:26	1.1	5781	N13 E29	SF/C8.0	-	549/II
		SXR	12:26	2.5	B-EAI	310	C8.0		545/I
		II	12:21						
965	11 06	Ha	13:43E	0.7D	5776	N20 E20	2N	3/5	549/II
		SXR	13:43	2.5	B-DKI	330	M9.2		545/I
		II	13:52						
966	11 06	Ha	18:32	1.0	5776	N18 E16	1N	2/3	549/II
		SXR	18:32	2.0	B-DKI	330	M1.6		545/I
Imp	11 06	Ha	20:41	0.9D	5776	N20 E14	2N/M2.5	2+/5	549/II
Imp	11 07	Ha	02:32	0.7	5783	N17 E36	2B/M2.4	3-/3	549/II
		II	02:39						
967	11 07	Ha	02:55	1.0	5776	N19 E12	2N	3-/3	549/II
		SXR	02:55	2.0	B-DAI	330	M6.9		545/I
Imp	11 07	SXR	05:50	1.0	x	x	C8	2+/5	549/II
Imp	11 07	Ha	16:32	1.0	5783	N16 E28	1N/M1.0	2+/1	549/II
968	11 07	Ha	19:30	2.1	5786	N15 E72	1N	1/3	549/II
		SXR	19:30	3.0	B-EAO	250	M8.2		545/I
969	11 08	Ha	05:16	0.6	5782	N14 E20	1N	1-/5	549/II
		SXR	05:15	2.0	5783 B-BXO BG-EKI	N18 E25 290 300	C6.4		545/I
Imp	11 08	Ha	06:00	0.7	5776	N20 W01	2B/M3.3	3/5	549/II
970	11 08	Ha	06:40	2.5	5769	N21 W52	2F	1/1	549/II
		SXR	06:40	2.5	B-EAI	005	M1		545/I
Imp	11 08	Ha	17:26	0.8	5786	N14 E62	SN/C9.1	2/3	549/II
		SXR	17:26	1.5	B-EAO	250	C9.1		
971	11 08	Ha	18:18	1.3	5783	N16 E08	1N	2+/3	549/II
		Ha	18:18	1.2	5782	N14 E12	1N		545/I
		Ha	18:25	1.5	5781 BG-EKI	N14 E02 300	1F		
		SXR	18:18	2.0	B-BXO B-EAI	290 310	M2.0		
		II	18:24						
972	11 08	Ha	18:56	1.6	5769	N20 W55	2B	2/5	549/II
		SXR	18:56	2.0	B-EAI	005	M9.8		545/I
973	11 08	Ha	20:50	1.3	5783	N18 E17	SF	1-/5	549/II
		SXR	20:50	2.0	BG-EKI	300	C8		545/I
974	11 08	Ha	23:05	0.9	5783	N18 E13	SN	1+/5	549/II
		SXR	23:05	2.0	BG-EKI	300	C9		545/I



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975	11 08	Ha	23:54	1.4	5776	N15 W10	1F	-	549/II
		SXR	23:54	2.0	B-DAO	330	C8		545/I
Imp	11 09	Ha	00:21	1.0	5786	N16 E57	SF/C9	-	549/II
		ITS	01:00	14.0					
Imp	11 09	Ha	06:25	3.2	5783	N19 E09	1N/C9.7	2-/5	549/II
Imp	11 09	Ha	08:20	0.7	5786	N13 E52	SN/M1.1	1+/5	549/II
Imp	11 09	Ha	09:35	0.4	5786	N14 E52	1N/C9.5	1+/5	549/II
976	11 09	Ha	12:14	0.9	5783	N18 E06	SN	1+/5	549/II
		SXR	12:14	2.0	BD-FKI	300	C7.3		545/I
Imp	11 09	Ha	13:54	1.3	5783	N18 E05	1N/C9.9	1-/5	549/II
Imp		Ha	14:46	0.7	5783	N19 E05	1B/M4.9	2+/5	545/I
Imp		Ha	15:54	0.5	5783	N18 E07	SN/C7.9	2/3	549/II
977	11 09	Ha	18:39	1.7	5786	N14 E46	1N	2-/3	549/II
		SXR	18:39	2.0	BG-FAO	250	M1.4		545/I
978	11 09	Ha	19:19	1.8	5783	N17 E02	1N	2-/3	549/II
		SXR	19:19	3.0	BD-FKI	300	M4.8		545/I
979	11 09	Ha	19:21	2.7	5776	N18 W24	1N	2-/3	549/II
		SXR	19:21	3.0	B-DAO	330	M1.4		545/I
		II	19:38						
		Ha	19:23	2.1	5781	N12 W18	1N		545/I
					BG-EKI	310			549/II
Imp	11 09	Ha	21:41	0.2	5783	N18 E00	SN	1-/5	549/II
		SXR	21:36E	0.5	5776	N21 W26	M1.4		545/I
Imp	11 09	Ha	22:40	0.4	5783	N18 W00	SN/M1	2/5	545/I
Imp	11 09	Ha	23:28	0.6	5783	N18 W01	SN/M1.1	2/5	549/II
980	11. 10	Ha	01:39	0.9	5783	N18 W03	1N	3/5	549/II
		SXR	01:39	2.0	BGD-FKC	300	M3.9		545/I
Imp	11 10	Ha	03:39	0.3	5783	N18 W03	1F/M1.4	2-/3	549/II
					1000 u.				
Imp	11 10	Ha	06:35	1.5	5783	N18 W04	1N/C6.7	2/5	545/I
Imp	11 10	Ha	11:28	0.7	5783	N18 W07	SN/M1.2	1-/5	549/II
Imp	11 10	Ha	12:55	0.6	5783	N18 W06	1N/M1.1	1/3	549/II
Imp	11 10	Ha	15:58	0.5	5783	N18 W10	SF/C8.2	1-/5	545/I
Imp	11 10	Ha	16:17	0.1	5781	N12 W30	SF/C7.8	-	549/II
981	11 10	Ha	16:44	1.1	5769	N24 W80	2B	1/5	549/II
		SXR	16:44	3.0	B-CAO	005	M5.6		545/I
Imp	11 10	Ha	19:47E	0.7D	5788	S21 E64	1F/M2.9	1/5	549/II

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Imp	11 11	Ha	05:00	0.9	5783	N17 W24	2N/M5.1	3/5	545/I
Imp	11 11	Ha	07:10	0.2	5783	N19 W14	SF/C7.2	2-/5	549/II
Imp	11 11	Ha	08:56	0.5	5786	N15 E36	1F/M1	1+/5	549/II
		II	09:15						
Imp	11 11	Ha	17:34	1.1	5781	N12 W43	SN/M1.6	1-/5	549/II
982	11 12	Ha	06:21E	0.80	5783	N18 W39	SN	3/5	549/II
		SXR	06:21E	2.0	BD-FKI	300	X1.5		545/I
		II	06:01						
Imp	11 12	Ha	08:59	1.0	5786	N14 E12	2N/M2.2	2/5	549/II
983	11 13	Ha	20:05E	0.80	5783	N18 W48	SF	1+/5	549/II
		SXR	20:05	2.0	B-FKI	300	M1.1		545/I
Imp	11 14	Ha	11:26	0.1	5786	N12 W13	SN/C8	1/5	549/II
984	11 14	Ha	21:38	1.6	5783	N18 W63	SN	2/5	549/II
		SXR	21:38	2.5	B-FKI	300	M1.2		545/I
985	11 15	Ha	04:45	1.7	5783	N19 W66	SF	1-/1	549/II
		SXR	04:45	2.0	B-FAI	300	M1.7		545/I
		Ha	06:26	1.2	5783	N17 W70	SF		
986	11 15	Ha	06:38	1.6	5786	N11 W28	2B	3/5	549/II
		SXR	06:38	4.0	BGD-FKI	250	X3.2		545/I
		II	06:57		510 u				
		IV	06:58						
		SEP	07:00	13.0					
987	11 15	Ha	19:18	2.0	5786	N16 W27	2B	2+/5	549/II
		SXR	19:18E	2.0	BGD-FKI	250	X1.8		545/I
		IV	19:38						
Imp	11 16	Ha	04:16E	0.10	5793	S27 E17	1N	2+/5	549/II
		Ha	04:19	0.4	5783	N17 W80	1N		545/I
		SXR	03:57E	0.5	5788	S27 E29	C5.1		
988	11 16	Ha	04:42	1.8	5786	N14 W40	1N	3-/5	549/II
		SXR	04:42	2.5	B-EKO	250	M1.7		545/I
989	11 16	Ha	13:09	1.6	5786	N11 W44	2B	3/5	545/I
		SXR	13:09	2.5	BGD-EKO	250	X1.1		549/II
		II	13:20						
		IV	13:27						
Imp	11 16	Ha	22:34	0.6	5793	S30 E08	1F/M1.1	1+/5	545/I
Imp	11 17	Ha	07:55	0.5	5793	S28 E02	1B/M1.6	2+/5	549/II
990	11 17	Ha	12:17	0.3	5788	S25 W21	SF	1+/5	545/I
		Ha	12:38	0.3	5793	S28 W00	SF		549/II
		SXR	12:37E	4.5	B-FAI B-EAO	210 195	M1.5		

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991	11 17	SXR	17:50	2.0	5793?	S28 195	C4	1-/3	549/II
992	11 18	Ha	02:36	0.4	5793	S28 W08	SN	1/3	545/I
		SXR	02:36E	2.0	BD-EKI	195	C9		549/II
993	11 18	SXR	03:00	4.0	5793?	S28 195	C7	2/3	549/II
994	11 18	Ha	12:11	1.4	5793	S28 W15	1F	-	549/II
		SXR	12:11	2.0	BD-EKI	195	C6		545/I
995	11 18	SXR	14:00	2.0	5793?	S28 W15	C6	-	549/II
996	11 18	Ha	16:02	1.3	5793	S30 W14	2N	1+/5	549/II
		SXR	16:02	8.0	BD-EKI	195	M7.3		545/I
		SEP	19:00	5.0			E <sub>p</sub> to 44 MeV		
Imp	11 19	Ha	06:18	0.4	5793	S25 W25	1B/X1.1	3/5	549/II
		IV	06:19						
997	11 19	Ha	06:49	0.5	5793	S25 W25	1N	-	545/I
		SXR	06:49	2.0	BGD-EKI	195	C4		549/II
Imp	11 19	Ha	11:23	0.5	5793	S24 W27	SB/M1.2	2-/5	549/II
Imp	11 19	Ha	16:06	0.9	5793	S26 W29	SN/M1.2	1-/5	545/I
Imp	11 20	Ha	00:33	0.5	5793	S27 W33	SN/M2.1	3-/5	549/II
		II	00:40						
Imp	11 20	Ha	03:50	0.7	5793	S25 W38	SN/M1.2	3/3	549/II
		ITP	04:00	6.0			E <sub>p</sub> to 44.0 MeV		
Imp	11 20	Ha	14:17	0.6	5793	S28 W42	1N/M3.9	3-/5	545/I
Imp	11 20	Ha	21:25	0.60	5793	S27 W43	2B/X1.0	3/5	549/II
		ITP	22:00	10.0			E <sub>p</sub> to 14.5 MeV		
Imp	11 21	Ha	08:34	0.5	5793	S24 W65	1N/M2.0	-	549/II
Imp	11 21	SXR	10:00	1.0			M1	2+/5	545/I
998	11 21	Ha	10:45	0.5	5799	N18 E19	SF	2/1	549/II
		SXR	10:40	2.0	B-DAO	125	C3		549/II
Imp	11 21	Ha	13:32	1.0	5793	S26 W52	2B	3/5	545/I
		SXR	13:43	1.0	5793		X4.0		
		II	13:43						
999	11 22	Ha	03:03	0.6	5799	N21 E12	SN	1+/3	549/II
		SXR	03:03	2.0	B-DAO	125	C5.5		545/I
Imp	11 22	Ha	08:34	0.5	5793	S24 W65	1N/M2.0	2+/5	549/II
Imp	11 22	Ha	09:20	0.1	5793	S28 W64	SF/C8.9	1/5	545/I
Imp	11 22	Ha	13:20E	0.50	5793	S23 W67	SN/M3.8	2/5	549/II
ITP	11 22	ITP	15:00	5.0			E <sub>p</sub> to 15.5 MeV		



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1013	11 27	Ha	17:02	1.3	5799	N21 W63	1N	3-/3	549/II
		SXR	17:02	2.5	B-DAO	125	M1.1		545/I
1014	11 27	Ha	23:01	0.2	5809	S18 E59	SF	-	549/II
		SXR	23:01	2.0	B-CAO	005	C4		545/I
		II	23:48						
1015	11 28	Ha	10:07	2.3	5800	N26 W26	1N	2-/5	549/II
		SXR	10:07	2.5	BG-FKI	080	C8.8		
Imp	11 28	Ha	18:22	0.3	5809	S16 E50	SF/C4.1	1+/3	549/II
ITP	11 27	ITP	09:00	36.0					
1016	11 29	Ha	17:56	0.9	5809	S20 E36	1F	-	549/II
		SXR	17:56	2.0	B-EAI	005	C9.1		
1017	11 30	Ha	11:25	0.2	5800	N26 W50	SF	2+/1	549/II
		Ha	11:45	4.5	B-EKO	080	2N		545/I
		SXR	11:45E	11.0			X2.6		
		SEP	13:50	48.0			E <sub>p</sub> to 82.0 MeV		
1018	11 30	SXR	22:56	2.0	5800?	N26 080	M2.0	2/5	549/II
Imp	12 01	Ha	18:01	0.3	5800	N24 W68	SF/C9.7	1/3	550/II
Imp	12 01	Ha	18:46	0.3	5800	N23 W70	SF/C8.5	1-/3	546/I
Imp	12 01	Ha	19:24	0.6	5806 500u	N20 W35	1F/C8.9	2/3	550/II
ITS	12 01	ITS	01:00	40.0			E <sub>p</sub> to 82.0 MeV		
1019	12 02	Ha	06:12	0.3	5812	N23 W25	1F	1-/5	550/II
		Ha	06:28	0.3	5806	N21 W36	SN		
		SXR	06:12	2.0	B-BXO B-DKI	020 040	C7		
Imp	12 02	Ha	21:54	1.5	5606	N16 W44	1B/M3.0	3-/5	550/II
1020	12 03	Ha	00:24	0.5	5809	S20 W09	SN	1-/1	550/II
		SXR	00:24	2.0	B-EAO	005	C5		546/I
Imp	12 03	Ha	04:18	0.2	5821	N17 E65	SF/C5.3	1-/5	550/II
Imp	12 03	Ha	14:41	0.4	5812	N20 W42	SN/C5.2	1-/5	546/I
1021	12 03	SXR	22:45	2.0	5821?	N17 280	C6.9	1+/1	550/II
Imp	12 04	Ha	03:22	0.7	5806	N14 W58	1N/M1.1	2/3	550/II
		Ha	03:26	1.0	5821	N22 E57	1N		
					B-DKI BG-DKI	040 280			
1022	12:04	Ha	03:52	1.3	5817	N12 E08	1N	2/1	550/II
		SXR	03:52	2.5	B-DAO	330	C8		546/I
1023	12 04	Ha	14:09	0.6	5822	S10 W38	SF		550/II
		SXR	14:37	2.5	B-DAO	005	M2.9	2-/5	546/I
1024	12 04	SXR	17:00	3.0	5822? B-DAO	S10 W38 005	C9	1-/1	550/II

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1025	12 04	Ha	19:40	0.5	5806	N14 W69	SF	2/3	550/II
		SXR	19:40	2.0	B-DKI	040	M1.2		546/I
ITS	12 05	ITS	00:30	8.0		E <sub>p</sub> to 14.5 MeV			550/II
Imp	12 05	Ha	15:31	0.5	5806	N15 W76	2B/M5.6	2/5	550/II
1026	12 05	Ha	21:42	0.9	5826	N16 E20	SN	1-/1	550/II
		SXR	21:42	2.0	B-BXO	290	C4.1		546/I
1027	12 05	Ha	22:23	0.6	5809	S22 W45	SF	1-/1	550/II
		SXR	22:23	2.0	B-CSO	005	C4.9		546/I
1028	12 06	Ha	17:56	1.2D	5822	S13 W65	SF	2/1	550/II
		SXR	17:56	2.0	B-DAO	005	C3.4		546/I
Imp	12 07	SXR	08:28	0.6			M1.7	2-/1	
		II	08:34						
		25.96GH	8:28						SGD550/II p.62
1029	12 07	Ha	19:18	1.1	5817	N10 W41	SN	-	550/II
		SXR	19:18	2.0	B-DAO	330	C5.9		546/I
1030	12 07	Ha	21:03E	0.7D	5809	S15 W80	1N	2+/5	550/II
		SXR	21:03E	3.0	B-CSO	005	M4.5		546/I
1031	12 07	Ha	22:29	0.7	5829	N22 W47	SF	1-/1	550/II
		SXR	22:29	2.0	B-BXO	340	C5		546/I
1032	12 08	Ha	11:02	0.6D	5826	N16 W17	SF	-	550/II
		SXR	10:00	2.0	A-AX	290	C3		546/I
1033	12 08	Ha	18:21	0.7	5817	N11 W54	1F	1-/1	550/II
		SXR	18:21	2.0	B-CAO	330	C5		546/I
1034	12 08	Ha	18:49	0.2	5810	N21 W89	SF	1+/3	550/II
		Ha	20:27	0.1	5810	N23 W90	SF		546/I
		SXR	18:49	2.0	B-BXO	005	C6.7		
Imp	12 09	Ha	08:21	1.0	5821	N21 W13	1N/M1.2	2/5	550/II
	radio	11.31	08:21		B-DAO	280			p.62
Imp	12 09	Ha	17:07	0.6	5830	S12 E52	SF/C2.8	1/1	550/II
1035	12 10	Ha	17:22	0.7	5827	N15 W04	1F		550/II
		SXR	17:22	2.0	B-DAO	240	C1.9	-	546/I
Imp	12 11	Ha	05:12	0.5	5821	N20 W38	SN/C3.4	1-/1	550/II
1036	12 11	Ha	11:07	0.3	5833	S24 E24	SF	1/1	550/II
		SXR	11:07	2.0	B-CAO	220	C2		546/I
Imp	12 11	SXR	14:57	1.0	x	x	C3.0	-	550/II
1037	12 11	Ha	18:33	0.7	5821	N20 W44	SN	2+/3	550/II
		SXR	18:36	4.0	B-DAO	280	C9.7		546/I
Imp	12 12	SXR	18:57	0.5			C6.2	1+/3	550/II

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Imp	12 12	SXR	21:21	0.3			C5.0	1-/1	546/I
Imp	12 12	Ha	23:38	0.2	5836	N14 E78	SF	1-/1	550/II
		SXR	23:38E	0.3	BP-C	140	C3.3		546/I
1038	12 13	SXR	10:18	2.0	5836? BG-EAO	140	C5.0	1-/5	550/II
Imp	12 13	Ha	12:35	0.5	5836	N12 E74	S8	1-/5	550/II
		SXR	12:35E	1.0	BG-EAO	140	C3.5		546/I
1039	12 13	Ha	16:55	0.5	5837	N19 E90	SF	1-/1	550/II
		SXR	16:55	2.0	A-HR	125	C3.0		546/I
1040	12 13	SXR	22:22	2.0	x	x	C6.7	1/1	550/II
1041	12 14	Ha	02:07	0.6	5836	N09 E72	1F	3/5	550/II
		SXR	02:07	2.5	BG-EHI	140	M1.9		546/I
		II	02:15						
Imp	12 14	Ha	12:52	0.4	5836	N12 E58	1F/C2.7	-	550/II
Imp	12 14	Ha	23:37	0.3	5837	N20 E74	SF/C3.5	1-/1	546/I
1042	12 15	Ha	13:56	0.7	5837	N21 E64	1N	1-/5	550/II
		SXR	13:56	2.0	B-CAO	120	C7.9		546/I
Imp	12 16	Ha	05:14E	0.40	5837	N25 E55	1F/C3=C2.6		550/II
Imp	12 16	SXR	06:37	1.0	x	x	C2.2	1-/1	550/II
		II	06:50		B-DSO	120		1-/5	
Imp	12 16	Ha	20:57E	0.50	5837	N21 E45	SF/C2.8	-	550/II
Imp	12 17	Ha	11:30	0.8	5846	N19 E63	SF/C3.5	1-/1	550/II
1043	12 17	Ha	21:38	1.1	5846	N18 E57	SF	1-/1	550/II
		SXR	21:38	2.5	B-DAO	090	C5.3		546/I
1044	12 18	SXR	03:00	2.5	5844? B-DAI	S11 W50 190	C2.8	1-/1	550/II
1045	12 18	Ha	08:27	1.0	5846	N20 E50	1F	2+/5	550/II
		SXR	08:27	2.5	B-DR0	090	M2.0		546/I
Imp	12 18	Ha	17:06	0.8	5844	S08 W48	1F/C4.5	1/3	550/II
1046	12 18	Ha	21:05	0.3	5847	N34 W56	SF	-	550/II
		SXR	21:05	2.0	B-DAO	200	C1		546/I
Imp	12 18	Ha	23:36	0.5	5837	N20 E22	2B/M3.2	3-/5	550/II
		II	23:41						
Imp	12 19	Ha	05:24	0.6	5837	N21 E18	SN/C7.7	2-/3	550/II
1047	12 19	Ha	12:37	1.2	5846	N20 E35	1N	1-/5	550/II
		SXR	12:37	2.0	B-DAO	090	C5		546/I
1048	12 19	Ha	23:02	0.2	5837	N22 E10	1N	1-/1	550/II
		Ha	22:52	1.00	5844	S10 W67	SF		546/I

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1048	12 19	SXR	22:52	2.0	BG-DSO B-EAO	120 190	C3		550/II
Imp	12 20	Ha	19:03	1.1	5846	N20 E19	2B/M2.3	1+/3	550/II
1049	12 21	Ha	03:30	0.2	5837	N20 W08	SF	1-/1	550/II
		SXR	03:30	2.0	BG-DAI	120	C3		
1050	12 21	SXR	18:00	2.0	5849?	S10 050	C4	-	550/II
1051	12 21	Ha	19:43	0.1	5849	S10 E55	SF	-	550/II
		SXR	19:43	2.0	B-ESO	050	C3		546/I
1052	12 22	SXR	03:04	2.0	5852? B-CSO	S26 E69 030	C3.8	1+/5	550/II
1053	12 22	SXR	11:00	2.0	5856? B-BXO	S23 E10 080	C3	-	550/II
1054	12 22	Ha	12:57	1.1	5848	N24 E39	1N	-	550/II
		SXR	12:57	2.0	B-HS	050	C2		546/I
1055	12 22	Ha	15:16	0.2	5854	N22 E83	SF	-	550/II
		SXR	16:16	3.0	B-DAO	010	C5		546/I
1056	12 22	SXR	18:00	2.0	5854?	N22 010	C4	1/3	550/II
1057	12 22	SXR	22:14	2.0	5853? B-DAO	S10 E68 005	C4	-	550/II
Imp	12 22	Ha	23:14	0.1	5854	N21 E71	SF/M5.2	3-/5	550/II
Imp	12 23	Ha	00:38	0.5	5852	S27 E58	1F/M1.1		546/I
1058	12 23	Ha	01:40	0.3	5850	S30 W26	SF/M1.7	3-/1	550/II
		SXR	01:37	2.5	B-CAO	110	M1.2		546/I
1059	12 23	Ha	09:23	0.4	5860A 5854	N30 E84	1N	1/5	550/II
		SXR	09:23	2.0	A-HS	020	C8.2		546/I
1060	12 23	Ha	13:15	0.4	5860A	N28 E78	1N	1-/5	550/II
		SXR	13:00	2.0	5854?		C8.0		546/I
		radio burst	13:17		A-HS B-EKI	020	10:21 MHz		p.62
1061	12 23	Ha	17:54	1.0	5852	S27 E49	SF	1-/3	550/II
		Ha	18:05	0.5	5857	S12 E70	1F/C5.3		546/I
		Ha	18:46	0.6	5857	S10 E70	SF	1/3	
		SXR	18:00	2.0	B-DAO B-CSO	030 010	C5		
Imp	12 24	Ha	03:25	0.2	5857	S11 E63	SF/C6.1	1+/5	550/II
1062	12 24	Ha	13:21	1.1	5850	S30 W41	1F	1+/5	550/II
		SXR	13:21	2.0	B-DAI	110	M1.3		546/I
Imp	12 24	Ha	20:46	0.5	5857	S11 E51	SF/C7.9	2/1	550/II



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1063	12 25	Ha	00:10	0.8	5857	S11 E52	1F	2+/5	550/II
		Ha	00:09	1.5	5858	S21 E61	1F		546/I
		SXR	00:09	4.5	B-ESO B-BXO	010 350	M2.0		
Imp	12 25	Ha	04:32	0.4	5854	N18 E51	SF/C8.7	2-/5	550/II
1064	12 25	Ha	12:55	0.8	5857	S12 E46	SF	-	550/II
		Ha	12:57	1.1	5854	N24 E44	SF	1-/5	546/I
		SXR	12:55	2.0	B-ESO BG-EKI	010 010	C5		
1065	12 25	Ha	16:05	1.2	5857	S16 E45	SF	1-/1	550/II
		Ha	16:08	1.1	5852	S26 E24	1F		546/I
		SXR	16:05	2.5	B-ESO BGD-EKI	010 030	M1.2		
1066	12 25	Ha	18:15	1.0	5857	S15 E44	SF	2/3	550/II
		SXR	18:15	2.0	B-ESO	010	C9		546/I
1067	12 25	Ha	20:11	0.9	5852	S26 E20	SN	1-/5	550/II
		SXR	20:11	2.5	BGD-EKI	030	M3.1		546/I
1068	12 25	Ha	23:57	0.3	5854	N25 E34	2F	1-/1	550/II
		SXR	23:57	2.0	BG-EKI	010	C2		546/I
1069	12 26	Ha	05:24	0.7	5852	S27 E14	1N	3/5	550/II
		SXR	05:24	2.0	BGD-EKI	030	M5.9		546/I
1070	12 26	Ha	07:09E	3.1	5852	S26 E16	1N	2+/5	550/II
		SXR	07:09	6.0	BGD-EKI	030	M2		546/I
1071	12 26	Ha	07:44	0.6	5854	N25 E38	1F	2+/5	550/II
		SXR	07:44	2.0	BG-FKI	010	M2.0		546/I
1072	12 26	Ha	15:12E	2.3	5852	S25 E11	1F	1-/5	550/II
		SXR	15:12E	3.0	BGD-EKI	030	C8.2		546/I
1073	12 26	Ha	18:08	1.2	5852	S26 E10	1N	1-/5	550/II
		SXR	18:08	2.0	BGD-EKI	030	M6.9		546/I
1074	12 26	Ha	20:53E	0.30	5853	S09 E35	SF	-	550/II
		SXR	19:51	2.0	BG-FKO	005	C9.8		546/I
1075	12 27	Ha	01:34	0.6	5852	S26 E06	SN	2+/3	550/II
		SXR	01:34	2.0	BGD-EKC	030	M1.3		546/I
1076	12 27	Ha	12:37	3.4	5852	S26 W02	SN	1-/5	550/II
		SXR	12:37	8.0	BGD-EKC	030	M3.1		
		Ha	11:55	0.6	5852	S27 E00	SF		546/I
1077	12 27	Ha	21:46	1.4	5854	N24 E16	1N	1/5	550/II
		SXR	21:46	2.0	NG-FKI	010	M1.1		546/I
1078	12 28	Ha	02:31	3.1	5852	S28 W07	1N	1-/3	550/II
		SXR	02:31	4.0	BGD-EKC	030	M9.7		546/I

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1079	12 28	Ha	09:54	0.6	5853	S08 E16	SF	2-/5	550/II
		SXR	09:54	2.0	BD-DKI	005	M1.6		546/I
		IV	09:49						
Imp	12 28	Ha	13:00	0.6	5858	S19 E34	1F/C7	1-/5	550/II
Imp	12 28	Ha	21:08	0.5	5858	S18 E30	1B/M4.1	2+/5	550/II
Imp	12 29	Ha	11:00	0.4	5858	S18 E20	1B/M8.1	3/5	546/I
ITS	12 29	ITS	10:00	1.0		E <sub>p</sub> to 14.5 MeV			
1080	12 29	Ha	16:10E	0.6D	5858	S19 E18	SF	1-/5	550/II
		SXR	16:00	3.0	B-DKO	345	M2.8		546/I
1081	12 29	Ha	18:19E	0.7D	5852	S25 W30	1N	2/3	550/II
		SXR	18:19E	2.5	BGD-EKI	030	M9.7		546/I
1082	12 29	Ha	20:04	1.0	5852	S26 W32	1N	1/3	550/II
		SXR	20:04	3.0	BGD-EKI	030	M2.8		546/I
1083	12 29	Ha	22:49	3.7	5854	N25 W10	1N	2+/5	550/II
		SXR	22:49	3.0	BG-EKI	010	M2.2		546/I
		IV	22:59						
1084	12 30	Ha	01:42	1.5	5858	S18 E14	1B	1+/1	550/II
		SXR	01:42	2.0	B-EKC	345	M5.3		546/I
1085	12 30	Ha	04:05	1.1	5858	S19 E10	1B	3/5	550/II
		SXR	04:05	2.5	B-EKC	345	X1.0		546/I
1086	12 30	Ha	06:42	0.1	5854	N26 W20	SF	-	550/II
		SXR	06:00	2.0	BD-EKI	010	C3		546/I
		IV	06:36						
Imp	12 30	Ha	07:22	0.3	5858	S18 E10	SF/C8.8	1/5	550/II
1087	12 31	SXR	06:30	2.5	5854?	N26 010	C5	1-/5	550/II
1088	12 31	Ha	09:32	1.1	5852	S27 W52	2B	3/5	550/II
		Ha	12:01E	0.9D	5852	S26 W51	SN	-	546/I
		SXR	09:32	6.0	BGD-EKI	030	X2.8		
1089	12 31	Ha	13:10	1.0	5854	N24 W38	SN	-	550/II
		SXR	13:10	2.5	BG-DKI	010	C8		546/I
1090	12 31	Ha	15:59	0.9	5858	S18 W10	SF	1-/1	550/II
		Ha	16:10	0.9	5853	S09 W26	1N		546/I
		Ha	16:38	0.5	5854	N24 W32	SF		
		SXR	15:59	2.5	BG-ESO BD-DAO BG-DKI	345 005 010	C5		

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1091	01 01	SXR	03:00	2.0	5854? B-DAI	N24 010	C3	-	551/II
Imp	01 01	Ha radio	10:02 10:02	0.7	5854 B-DAI	N25 W54 010	SF/C3.6	2+/1	551/II p.54
1092	01 01	Ha SXR	13:03 13:06	0.6 2.0	5852 BGD-EKI	S24 W63 020	SF C4.0	1-/5	551/II 547/I
1093	01 01	Ha Ha SXR	20:12 20:42 20:12	0.7 0.2 2.0	5864 5862 B-CAO B-EKO	N15 E41 N14 E12 290 300	SF SF C4.5	-	551/II 547/I
Imp	01 01	Ha	21:18	0.7	5854	N22 W52	1N/M2.1	2/5	551/II
Imp	01 02	Ha	02:20	0.4	5854	N20 W56	1N/C5.9	1/1	547/I
Imp	01 02	Ha II	02:35 03:11	1.0	5854 B-DKO	N25 W61 010	1N/C5.7	1/1	551/II
1094	01 02	Ha SXR	10:10 09:30	1.1 2.0	5858 BG-DAO	S18 W33 350	SN C3.0	1/1	551/II 547/I
1095	01 02	Ha SXR	13:57 13:57	0.9 2.0	5858 BG-DAO	S18 W35 350	SF C4.4	1/1	551/II 547/I
Imp	01 02	Ha	18:59	0.4	5854	N21 W65	2N/C6.9	1+/3	551/II
1096	01 03	Ha SXR	00:54 00:54	0.5 2.0	5864 B-CAO	N14 E24 290	SN C3.0	1-/1	551/II 547/I
1097	01 03	Ha SXR	04:28 04:28	0.2 2.0	5854 B-DKI	N16 W69 010	SF C2.7	1-/1	551/II 547/I
Imp	01 03	Ha	06:20	0.2	5854	N21 W77	SN/M1.3	2/5	551/II
1098	01 04	SXR	03:38	3.0	5864?	N14 290	C4.3	1+/5	551/II
Imp	01 04	SXR	05:20	1.0	x	x	C4.9	1-/5	551/II
1099	01 04	Ha SXR	16:11 16:11	0.1 2.0	5864 B-CAI	N14 W05 290	SF C4.9	2-/3	551/II 547/I
1100	01 05	Ha SXR radio	11:53 11:57E 11:50	0.3 2.0	5867 B-DAO	S26 W90 360	SN M2.0	2/5	551/II 547/I
1101	01 05	Ha SXR	20:06 20:06	1.0 2.0	5874 B-EAO	S12 E66 210	SF C6.0	2+/3	551/II 547/I
1102	01 06	Ha SXR	05:22 05:22	0.1 2.0	5864 B-DAI	N12 W28 290	SF C2.0	-	551/II 547/I
1103	01 06	Ha SXR	22:46 22:46	1.6 2.0	5874 B-DAI	S13 E46 210	1F C3.7	1-/1	551/II 547/I
1104	01 07	Ha SXR	01:50 01:50	0.7 2.0	5874 BGD-EAI	S13 E43 210	1F C2.0	1-/1	551/II 547/I

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1105	01 08	Ha	11:17	0.4	5874	S14 E25	SF/C1.2	1-/5	551/II
		Ha	11:52	4.0	5874	S15 E25	1N-2N		547/I
		SXR	11:17	4.5	BGD-EAI	210	M1.6		
		e	15:00	4.0		E <sub>e</sub> 2.0 MeV			
Imp	01 09	Ha	14:50	0.5	5871	S25 W18	1B/M2.5	2-/5	551/II
Imp	01 09	Ha	20:40	0.3	5871	S25 W22	1N/M1.2	1+/5	551/II
Imp	01 10	Ha	02:40	0.5	5871	S25 W25	1B/M2.2	3-/5	551/II
		II	02:59		B-CAO	240			
Imp	01 10	Ha	20:17	0.70	5871	S24 W34	1N/M2.0	1-/5	551/II
1106	01 11	SXR	05:55	2.0	5873?	N25 W57	C2.7	1-/1	551/II
					B-EKO	250			
1107	01 11	SXR	08:33	2.0	5873?	N25 250	C2.7	1-/1	551/II
Imp	01 12	Ha	00:45	0.7	5871	S25 W50	SF/M1.1	2+/3	551/II
		II	01:07						
Imp	01 12	Ha	07:39	0.2	5882	N23 E76	1N/C8.4	2/5	551/II
1108	01 12	Ha	21:16E	0.70	5882	N21 E65	SN	2+/5	551/II
		SXR	21:16E	2.0	B-DAO	110	M3.5		547/I
1109	01 13	SXR	03:36	2.0	5882?	N21 110	C3.0	1-/1	551/II
Imp	01 14	Ha	10:05	0.3	5882	N21 E48	1N/M2.8	3/5	551/II
		radio	10:05		B-EAO	110			
1110	01 15	Ha	06:43	0.5	5882	N20 E43	1N	1+/5	551/II
		SXR	06:43	2.5	B-EAO	110	C7.5		547/I
1111	01 15	Ha	15:46	0.1	5882	N20 E29	SF	2-/3	551/II
		Ha	16:03	0.3	5882	N20 E32	SF		547/I
		SXR	15:46	2.0	B-EAO	110	C4.7		
1112	01 16	SXR	02:00	2.0	5889?	S09 E77	C2.0	-	551/II
					B-CSO	060			
1113	01 16	Ha	07:40	0.7	5892A	S20 E88	x	3-/5	551/II
		SXR	07:30	3.5	A-HA	025	M1.5		547/I
1114	01 16	Ha	14:40	0.6	5874	S14 W82	1F	-	551/II
		SXR	14:40	2.0	B-CAO	210	C2.0		547/I
Imp	01 17	Ha	07:17	0.2	5890	S12 E78	SN/C7.2	1+/5	551/II
Imp	01 17	Ha	08:57	0.3	5890	S12 E77	1N/C5.6	1-/5	551/II
1115	01 17	Ha	12:15	0.6	5882	N19 E11	SF	-	551/II
		SXR	12:15	2.0	B-EAI	110	C3.0		547/I
Imp	01 18	Ha	02:21	0.2	5890	S12 E65	SN/M1.7	2+/3	551/II
1116	01 18	SXR	04:13	2.5	5882?	N22 W01	C9.6	3-/5	547/I
					B-EAI	110			

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1117	01 18	Ha	11:32	0.2	5889	S10 E48	SF	1/1	551/II
		Ha	11:23	0.4	5897	S09 E90	SF		547/I
		SXR	11:26	2.0	B-DAO B-CAO	060 010	C3.4		
1118	01 18	SXR	15:36	2.0	5882? B-EAI	N22 W08 110	C4.9	1+/3	551/II
1119	01 19	Ha	08:44	1.0	5890	S12 E49	SF	1-/5	551/II
		SXR	08:44	2.0	B-DAO	040	C5.6		547/I
1120	01 19	Ha	09:08	0.5	5882	N22 W23	SF	1+/5	551/II
		Ha	09:26	1.7	5897	S10 E85	SF		547/I
		SXR	09:26	2.0	B-FAI B-CRO	110 010	C6.0		
Imp	01 19	Ha	11:47	0.6	5882	N22 W25	SF/C5.6	1-/5	551/II
1121	01 19	Ha	15:00	0.9	5897	S10 E80	SF	1/5	551/II
		SXR	15:00	2.0	B-CRO	010	C7.0		547/I
1122	01 19	Ha	15:24	0.9	5890	S12 E45	SN	1/5	551/II
		SXR	15:24	2.5	B-DAO	040	M2.0		547/I
1123	01 19	Ha	19:29	0.5	5890	S12 E40	SF	-	551/II
		Ha	20:18	0.4	5890	S12 E40	SF	1/1	547/I
		SXR	19:29	2.5	B-EKI	040	C6.0		
1124	01 19	SXR	22:42	2.5	5890?	S12 040	C7.8	2-/5	551/II
1125	01 20	Ha	01:19	0.6	5882	N18 W24	1N	1-/1	551/II
		SXR	01:19	2.0	B-FAI	110	C4.0		547/I
1126	01 20	Ha	03:23	0.1	5892	S28 E60	SF	1-/1	551/II
		Ha	03:31	0.2	5897	S10 E76	SF	1-/1	547/I
		SXR	03:23	2.0	B-EAO B-DSO	020 010	C4.0		
1127	01 20	Ha	11:37	1.2	5882	N22 W32	1N	2+/5	551/II
		SXR	11:37	2.0	B-FAI	110	M1.7		547/I
1128	01 20	Ha	12:29	1.5	5890	S11 E31	1B	3-/5	551/II
		SXR	12:29	2.0	B-EKO	040	M4.2		547/I
		Imp	13:23	0.5	5890	S11 E31	M5.6	3-/5	547/I
		radio b.12:47							
1129	01 20	Ha	17:20	0.3	5881	S32 W38	SF	1+/3	551/II
		Ha	17:37	0.3D	5882	N21 W37	SF		547/I
		SXR	17:37E	2.0	B-CAO B-FAI	110 110	C9.3		
Imp	01 20	Ha	21:13	0.5	5882	N20 W36	1N/C9.0	1-/5	551/II
Imp	01 20	Ha	22:46	0.2	5897	S10 E61	SF/C6.7	1/1	551/II
		Ha	22:33	1.1D	5882	N21 W39	1N/C6.7		
Imp	01 21	Ha	02:43	0.5	5890	S12 E23	1N/C8.8	2/1	551/II
Imp	01 21	Ha	03:03	0.1	5882	N21 W41	SF/C8.8		551/II

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1130	01 21	Ha	04:29	1.1	5890	S12 E22	2B	3/5	551/II
		Ha	04:35	0.1	5882	N20 W40	SF		547/I
		II	04:49		BG-EAO	040			
		IV	05:22		B-FKO	110			
		SXR	04:29	2.0			M6.9		
1131	01 21	Ha	16:04	1.3	5892	S28 E39	1N	1-/5	551/II
		SXR	16:04	3.0	B-EAI	020	M1.6		547/I
1132	01 21	Ha	18:29	1.5	5890	S12 E16	SF	2-/3	551/II
		SXR	18:29	2.0	BG-EAO	040	C7.5		547/I
Imp	01 22	Ha	00:17	0.3	5900	S10 E76	SF/C6.8	1-/3	551/II
1133	01 22	Ha	05:36	1.1	5890	S12 E10	1N	2+/3	551/II
		SXR	05:36	2.0	B-ESI	040	M1.2		547/I
1134	01 22	Ha	11:46	1.4	5892	S28 E29	1N	2-/5	551/II
		SXR	11:46	2.0	B-EAI	020	M1.5		547/I
1135	01 22	Ha	11:49	2.4	5900	S09 E90	SF	2-/5	551/II
		SXR	11:49	2.0	B-FKI 1000	350	C8		547/I
Imp	01 23	Ha	05:03	0.4	5900	S10 E58	1B/M2.3	3/5	551/II
1136	01 23	Ha	14:24	0.8	5893	N22 E02	1F	1/1	551/II
		SXR	14:24	2.0	B-BX0	030	C5.0		547/I
Imp	01 23	Ha	18:01	1.3	5882	N20 W76	1N/C5.0	1/3	551/II
Imp	01 24	Ha	12:23	0.2	5900	S06 E34	SF/C6.5	1-/5	551/II
1137	01 24	Ha	20:01	1.1	5892	S28 W04	2B	1-/5	551/II
		SXR	20:01	2.5	B-CKO	020	M1.7		547/I
1138	01 25	Ha	09:36	0.5	5982B	S23 E05	SN	1-/1	551/II
		SXR	09:36	2.0	A-AX	360	C4.0		547/I
Imp	01 25	Ha	13:09	0.6	5907	N12 E12	1N/C4.1	-	551/II
Imp	01 26	Ha	22:51	0.3	5909	N23 E22	1F/C5.6	1-/1	551/II
Imp	01 27	Ha	10:37	0.3	5893	N25 W51	SF/C2.1	-	551/II
Imp	01 27	Ha	23:40E	0.7D	x	S25 W22	SN/C9	2-/5	551/II
Imp	01 29	Ha	00:45E	1.0	5913	N15 E21	SF/C5.9	1-/1	551/II
		II	00:55						
1139	01 29	Ha	20:46	2.7	5892	S26 W74	1F	2/1	551/II
		SXR	20:46	5.0	B-CRO	020	M1.5		547/I
		II	21:31						
Imp	01 29	Ha	23:34	0.5	5913	N14 E15	SF/C6.1	1-/1	551/II
1140	01 30	Ha	01:03	0.3	5917	S12 W25	SF	1-/1	551/II
		SXR	01:03	2.0	B-BX0	330	C5.0		547/I

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1141	01 30	Ha	03:21	0.1	5914	N22 E41	SF	-	551/II
		SXR	03:21	2.0	B-CSO	270	C3.0		547/I
Imp	01 31	Ha	00:24	0.5	5900	N10 W41	SF/C4.0	1-/1	551/II
1142	01 31	Ha	04:19	0.1	5917	S13 W41	SF	1-/1	551/II
		SXR	04:19	2.0	BG-DSO	330	C3.0		547/I
Imp	01 31	Ha	10:24	0.4	5900	S10 W44	SN/C6.0	1-/5	551/II
		radio	10:24						
1143	02 01	Ha	01:57	0.4	5900	S17 W78	SF	1-/1	552/II
		SXR	01:57	2.0	BG-FKO	350	C5.4		548/I
1144	02 01	Ha	16:06	0.8	5913	N15 W18	SF	-	552/II
		SXR	16:06	2.0	B-CSO	300	C2		548/I
Imp	02 01	Ha	20:33	0.1	5906	N11 W76	SF/C4.0	1/3	552/II
1145	02 02	SXR	12:00	2.0	5919?	N08 E12	C4	-	552/II
					B-DAO	240			
1146	02 02	Ha	19:35	0.1	5900	S10 W79	SF	2/3	552/II
		SXR	19:35	2.0	BG-FKO	350	C4.4		548/I
Imp	02 03	Ha	01:08	0.3	5917	S12 W79	1N	3/5	552/II
		SXR	01:08	0.5	B-CAO	330	M6.9		548/I
		IV	01:07						
1147	02 03	Ha	06:43	0.8	5913	N16 W51	SF	1-/5	552/II
		SXR	06:43	2.0	B-CAO	300	C4.1		548/I
Imp	02 03	Ha	18:21	0.1	5913	N14 W56	SF/C3.0	2-/3	552/II
1148	02 03	Ha	19:27	0.4	5913	N14 W57	SF	2+/1	552/II
		SXR	19:27	2.0	B-CAO	300	C3.2		
1149	02 04	Ha	12:15	2.3	5920	N14 W20	SF	-	552/II
		SXR	12:15	3.0	B-DAI	240	C3.0		548/I
1150	02 04	Ha	19:38	0.2	5920	N12 W24	SF	2-/5	552/II
		SXR	19:38	2.0	B-DAI	240	C2.1		548/I
1151	02 04	SXR	21:50	2.0	5920?	N12 240	C2.4	1-/5	552/II
Imp	02 05	Ha	14:35	0.3	5913	N16 W83	SF/C3.3	1-/5	552/II
Imp	02 05	Ha	16:59	0.5	5913	N14 W87	SF/C9.7	2-/3	552/II
Imp	02 05	Ha	21:13	0.2	5913	N15 W88	SF/C3.8	1/3	552/II
1152	02 06	Ha	11:05	0.8	5920A	N34 W34	1F	-	552/II
		SXR	11:05	3.0	B-BX0	240	C4.0		548/I
1153	02 06	SXR	18:23	6.0	5920?	N12 250	C4.2	-	552/II
		II	20:19						
Imp	02 07	SXR	06:17	1.0	x		C2.0	1-/1	552/II
		IV	07:15						

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Imp	02 07	SXR	15:53	1.0	x		C1.9	-	552/II
Imp	02 07	SXR	17:53	1.0	x		C2.0	-	552/II
Imp	02 07	SXR	22:55E	1.0	5920	N14 W64	C1.0	1-/1	552/II
Imp	02 08	SXR	06:47	1.5	x		C1.9	1-/1	552/II
		IV+III	07:15						
Imp	02 08	SXR	19:29	0.3	x		M1.1	-	552/II
Imp	02 08	Ha	21:09E	0.7	5925	S20 W63	SF/C7.5	1-/5	552/II
						240			
Imp	02 09	Ha	00:18	0.2	5925	S20 W68	SF/C7.2	1/3	552/II
1154	02 09	Ha	11:35	0.7	5926	S28 E27	1N	1/1	552/II
		SXR	11:35	2.0	B-CSO	140	C1.9		548/I
1155	02 10	SXR	13:00	6.0	5926?	S29 140	C1	-	552/II
1156	02 10	SXR	21:30	2.5	5926?	S29 140	C1	-	552/II
Imp	02 12	Ha	11:11	0.3	5927	N20 E17	SN/C3.6	1-/5	552/II
Imp	02 12	Ha	17:10E	0.9	5927	N20 E14	SN/C3.4	1/3	552/II
Imp	02 12	Ha	17:30E	0.8	5930	N10 W13	SN/C3.0	1+/3	552/II
Imp	02 12	SXR	21:53	0.2			C2.0	1-/1	552/II
Imp	02 13	Ha	00:45E	0.6	5927	N21 E08	SN/C1.9	1-/1	552/II
ITS	02 13	ITS	08:30	24.0	5931?	E <sub>p</sub> to	8.7 MeV		
1157	02 14	Ha	12:50E	0.10	5930	N12 W39	SF	1-/5	552/II
		SXR	12:50	2.0	B-DAI	140	C5.5		548/I
1158	02 14	Ha	17:37	0.6	5930	N11 W40	SN	2+/3	552/II
		SXR	17:37	2.5	B-DAI	140	C6.4		548/I
Imp	02 14	Ha	23:01	0.3	5930	N11 W43	SF/C2.2	1-/1	552/II
1159	02 16	Ha	12:37	0.6	5937	S15 E32	SF	-	552/II
		SXR	12:37	3.0	B-BXO	040	C1.5		548/I
1160	02 17	Ha	06:52	2.5	5941?	S09 E76	C1.2	-	552/II
					B-CAO	340			
1161	02 17	Ha	13:59E	0.3	5934?	N38 W30	SF	-	552/II
		SXR	13:00	2.5	B-BXO	080	C2.3		548/I
Imp	02 17	SXR	22:24	0.5	x	x	C5.7	2-/5	552/II
Imp	02 18	Ha	10:48	0.9	5927	N20 W61	1F/C6.9	1+/5	552/II
1162	02 18	Ha	10:52	1.9	5936	N18 E23	2F	1+/5	552/II
		SXR	10:52	2.0	B-BXO	030	C3		548/I
	metric	IV	10:50						
		II	11:01				70-50 MHz		



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Imp	02 18	Ha	14:15	0.1	5945	S14 E82	SF/C3	1-/5	552/II
Imp	02 19	Ha	07:27	1.2	5937	S12 W09	1N/C3.7	1-/1	552/II
1163	02 19	Ha	10:34	1.9	5940	N12 E44	1F	-	552/II
		Ha	10:58	0.1	5942	S35 E60	1N	1-/3	548/I
		Ha	10:40	0.7	5950	N16 E49	SN		
		SXR	10:34	2.0	B-BX0 B-EAI	360 340	C4.0		
Imp	02 19	Ha	16:47	0.10	5927	N21 W76	SF/C5.7	1/3	552/II
1164	02 19	Ha	18:29	0.70	5942	N36 E62	SF	-	552/II
		SXR	18:29	4.0	B-EAI	340	C3.9		548/I
		Ha	19:50	1.2	5942	S36 E58	SF		
Imp	02 20	Ha	01:00	0.6	5947	S16 E76	1F/C5.7	1+/1	552/II
Imp	02 20	Ha	04:05E	x	5947	S17 E71	SF/C5.1	2-/5	552/II
1165	02 20	Ha	14:24	0.5	5947	S18 E64	SF	-	552/II
		Ha	15:29E	0.10	5942	S37 E50	SN	-	548/I
		SXR	14:24	2.0	B-DKI B-EAI	300 340	C3.0		
Imp	02 21	SXR	05:30	1.5	x	x	C5.0	1/1	552/II
1166	02 21	SXR	13:00	3.0	5942?	S37 340	C5.0	-	552/II
1167	02 21	SXR	16:00	2.0	5947?	S18 300	C4.0	-	552/II
1168	02 22	SXR	01:30	2.0	5953?	S09 290	C2.0	-	552/II
1169	02 22	Ha	06:33	1.0	5946	N03 W12	SN	1+/5	552/II
		SXR	06:33	2.0	B-DKO	010	C5.0		548/I
Imp	02 22	Ha	08:30	0.6	5948	N16 E52	SN/C4.1	1-/5	552/II
Imp	02 22	Ha	10:21	0.4	5948	N16 E49	SF/C3.3	1-/5	552/II
1170	02 22	Ha	14:19	0.2	5953	S09 E69	SF	-	552/II
		Ha	14:24	0.5	5948	N16 E48	SF	-	548/I
		Ha	14:38	1.5	5947	S19 E40	1N	2-/5	
		SXR	14:38	2.5	BD-DKC	310	M1.2		
Imp	02 22	HA	16:13	1.0	5948	N16 E42	SF/C4.4	1/3	552/II
1171	02 23	SXR	09:10	2.0	5942?	S35 340	C3.0	-	552/II
1172	02 23	Ha	12:10	0.2	5948	N15 E37	SF	-	552/II
		Ha	12:31	0.3	5948	N14 E37	SF	-	548/I
		Ha	12:50	1.2	5947	S19 E28	2B	3-/5	
		SXR	12:50	2.0	BG-EKI	310	M2.9		
Imp	02 23	Ha	16:21	0.5	5953	S10 E54	SN/M1.3	1-/5	552/II
Imp	02 23	Ha	23:36	0.4	5948	N14 E24	SF/C9.8	1+/5	552/II
Imp	02 24	Ha	03:17	0.2	5953	S08 E49	SF/M1.1	2+/5	552/II

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Imp	02 24	Ha	05:06	0.4	5948	N15 E25	1N/C5.0	2-/5	552/II
1173	02 25	Ha	04:38	1.1	5953	S10 E32	SF	-	552/II
		SXR	04:38	2.0	B-EAO	290	C3.0		548/I
Imp	02 25	Ha	07:39	0.4	5946	N02 W57	SN/C3.0	1-/5	552/II
		Ha	07:42E	0.20	5950	N23 W54	1B/C3.0	1-/5	
Imp	02 25	Ha	20:49	0.9	5953	S10 E24	SF/C1.7	-	552/II
1174	02 25	Ha	22:12	0.10	5957	S23 E11	SF	-	552/II
		SXR	22:12	2.0	B-CSO	300	C2.0		548/I
Imp	02 26	Ha	04:27	0.2	5947	S20 W03	SF/C4.1	1-/3	552/II
1175	02 26	Ha	13:15E	0.70	5961	N30 E70	SN	-	552/II
		SXR	13:40	2.0	B-CSO	240	C4.0		548/I
Imp	02 26	SXR	16:17	1.0	x	x	C8.1	1-/5	552/II
Imp	02 27	SXR	02:40	1.5	x	x	C2.4	-	552/II
Imp	02 27	Ha	08:27	0.7	5947	S20 W18	1N/C5.7	1/5	552/II
Imp	02 27	Ha	10:39	0.3	5961	N32 E62	1F/C5.0	1-/5	552/II
1176	02 27	Ha	15:17E	1.00	5961	N31 E63	SF	1/5	552/II
		Ha	15:28	0.7	5961	N27 E55	SF		548/I
		SXR	15:10	3.0	B-DAO	240	C8		
1177	02 27	Ha	23:28E	1.00	5961	N29 E54	1F	2+/5	552/II
		SXR	23:28	3.0	B-DAO	240	M1.7		548/I
1178	02 28	Ha	04:57	1.8	5961	N31 E49	1N	3/5	552/II
		SXR	04:57	3.0	B-DKI	240	M2.7		548/I
Ha	02 28	Ha	09:32	1.7	5961	N33 E47	2F/C3.9	1+/3	552/II
1179	02 28	Ha	12:51	1.4	5961	N30 E43	1F	2/5	552/II
		SXR	12:51	2.0	B-DKI	240	C6.6		548/I
		II	13:11						
		IV	13:14						
Imp	02 28	Ha	15:49	1.5	5961	N31 E41	1N/M1.0	1+/1	552/II
1180	02 28	SXR	17:10	3.0	5961	N30 E42	1N/M1.2	1-/3	552/II
					B-DKI	240			548/I
Imp	02 28	Ha	23:28	0.2	5961	N28 E40	SF/C3.5	1-/3	552/II
Imp	03 01	Ha	00:30	0.5	5961	N32 E38	SF/C8.6	2-/5	553/II
Imp	03 01	Ha	03:39	0.6	5961	N30 E38	2B/M1.9	3/5	553/II
1181	03 01	Ha	03:56	1.0	5947	S19 W45	2N	3/5	553/II
		SXR	03:56	2.0	BG-EKC	320	M1.7		549/I
Imp	03 01	Ha	05:28	0.5	5961	N30 E34	1N/M1.8	3/5	553/II
Imp	03 01	Ha	08:25	0.8	5961	N31 E32	1N/C5.6	1+/5	553/II

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1182	03 01	Ha	20:23	0.2	5961	N26 E30	SN	1+/1	553/II
		SXR	20:23	2.0	BD-DAI	240	C3.4		549/I
1183	03 02	Ha	00:59	2.0	5961	N30 E24	1F	2/1	553/II
		SXR	00:59	3.0	BD-DAI	240	M1.2		549/I
1184	03 02	Ha	08:20	0.8	5961	N31 E20	SN	2-/5	553/II
		SXR	08:20	2.0	BD-DAI	240	C6.3		549/I
		radio	08:25						553/II
1185	03 03	SXR	05:57	2.0	5958?	S19 235	C3.4	1-/1	553/II
1186	03 03	Ha	09:38	0.6	5958	S19 W09	1F	1-/5	553/II
		SXR	09:38	2.0	B-SCO	235	C4.5		549/I
Imp	03 03	Ha	12:58	0.6	5965	S12 E65	SN/C8.6	2/5	553/II
1187	03 03	Ha	16:34	1.0	5961	N31 E05	SF	1-/5	553/II
		SXR	16:34	4.0	B-DAI	240	C8.4		549/I
1188	03 04	SXR	03:52	2.0	5963?	S10 220	C3.4	1-/1	553/II
1189	03 05	SXR	13:50	2.0	5963?	S10 220	C1.0	-	553/II
Imp	03 07	Ha	08:59	0.6	5963	S10 E12	1N/C2.9	1-/3	553/II
1190	03 07	Ha	23:17E	0.50	5964	N31 W07	SF	-	553/II
		SXR	23:00	2.0	B-CA0	175	C2.0		549/I
Imp	03 08	Ha	00:00	0.5	5964	N30 W07	C4.6	1-/1	553/II
1191	03 08	Ha	02:56	0.10	5965	S10 E03	1N	1-/1	553/II
		SXR	02:56	2.0	B-DK0	180	C3		549/I
1192	03 08	Ha	13:53	0.5	5963	S16 W50	SF	-	553/II
		SXR	13:53	2.5	B-DK0	220	C3		549/I
Imp	03 08	Ha	16:55	0.4	5964	N29 W15	SN/C9.1	1-/5	553/II
1193	03 09	SXR	00:30	4.5	Filament	N30 110	C7	-	553/II
1194	03 09	SXR	16:33	2.0	5965?	S10 180	C2.2	1/3	553/II
1195	03 10	SXR	03:50	2.0	5965?	S10 180	C2	1-/1	553/II
Imp	03 10	Ha	14:12E	0.2	5964	N30 W39	C2.6	1-/5	553/II
1196	03 10	SXR	14:52	2.5	5969?	N32 070	C4.2	1-/5	549/I
1197	03 11	Ha	00:42E	0.10	5967	N20 E37	SN	-	553/II
		SXR	00:20	2.0	A-HS	100	C2		553/II
1198	03 11	SXR	03:50	3.0	5969?	N32 E58	C7	2-/5	553/II
1199	03 11	Ha	09:24	0.1	5969	N32 E58	SF	-	553/II
		SXR	08:30	2.0	B-DS0	70 <sup>0</sup>	C3		549/I
1200	03 11	SXR	10:00	2.0	5969?	N32 070	C3	-	553/II
1201	03 11	Ha	15:27	0.6	5969	N32 E56	SF	-	553/II
		SXR	15:27	2.0	B-DS0	70 <sup>0</sup>	C3		549/I

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1202	03 11	SXR	16:10	4.0	5969?	N32 E56	C3.2	-	553/II
Imp	03 12	Ha	04:28	0.1	5969	N31 E45	2B/C4	1/3	553/II
Imp	03 12	Ha	08:31	0.4	5969	N32 E51	1N/C4.3	1/5	549/I
Imp	03 12	Ha	10:25	0.3	5969	N31 E49	1N/C9.1	1+/5	
ITS	03 12	Turb	20:00			70 <sup>0</sup>			
FoDe	03 13	FoDe	02:00	14.0					
Imp	03 12	Ha	18:47	0.5	5969	N30 E45	SF/C2.1	1/3	553/II
1203	03 13	Ha	02:15	0.4	5969	N31 E41	1F/C4.3	1-/3	553/II
		SXR	02:15	2.0	B-EAO	70 <sup>0</sup>	C4.3		549/I
Imp	03 13	Ha	19:59	0.3	5974	S35 E84	1N/C5.6	1-/5	553/II
1204	03 13	Ha	21:14	0.2	5969	N31 E30	SF/C2	-	553/II
		Ha	21:37	0.9	5969	N32 E28	1N/M1.1	2/5	549/I
		SXR	21:14	2.0	B-EAO	70 <sup>0</sup>	M1.1		
		e	21:40						
Imp	03 14	Ha	01:01	0.4	5969	N32 E29	SF/C5.5	1-/3	553/II
		Ha	01:06	0.1	5974	S32 E84	1B/C5.5		
1205	03 14	Ha	03:42	1.9	5969	N33 E26	1N	2+/1	553/II
		SXR	03:42	3.0	B-EKO	70 <sup>0</sup>	C6.4		549/I
Imp	03 14	Ha	05:23	0.4	5974	S33 E78	1N/C7.3	1+/1	553/II
Imp	03 14	Ha	07:19	0.3	5974	S32 E81	1N/C3.9	1/5	553/II
Imp	03 14	Ha	07:47	0.7	5969	N32 E24	SN/C3.9	-	549/I
1206	03 14	Ha	16:24	0.7	5974	S35 E76	SF	2/3	553/II
		SXR	16:24	2.0	B-ESO	010	C5		549/I
Imp	03 14	Ha	17:48	0.3	5971	N28 W09	SN/C4	-	553/II
1207	03 14	Ha	18:42	0.3	5974	S34 E76	SF	-	553/II
		SXR	18:00	3.5	B-ESO	010	C7.0		
1208	03 15	SXR	05:50	2.5	5976?	N35 025	C5.5	1/1	553/II
Imp	03 15	Ha	13:53	0.3	5974	S35 E62	SF/C3.3	1/5	553/II
1209	03 15	Ha	17:19	0.6	5969	N33 E05	SF	-	553/II
		SXR	17:19	2.0	B-DKI	70 <sup>0</sup>	C3		549/I
Imp	03 15	Ha	21:25	0.2	5974	S37 E65	SF/C3.9	1-/5	553/II
1210	03 16	Ha	08:19U	0.3U	5974	S34 E52	SF	1/5	553/II
		SXR	08:19U	2.0	B-EAI	010	C5		549/I
1211	03 16	Ha	14:39E	0.40	5983	S30 E90	1N	-	553/II
		Ha	14:45	1.1	5978	N15 E62	1F	1-/5	549/I
		SXR	14:45	2.0	B-CRO	010	C4.8		
1212	03 16	Ha	16:13	0.6	5974	S34 E54	SF	-	553/II
		SXR	16:13	2.0	B-EAI	010	C3.5		549/I

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Imp	03 16	Ha	18:17	1.7	5974	S34 E51	SN/C5	2/3	553/II
1213	03 17	SXR	00:49	2.5	5974?	S35 E40	C6.9	2/3	553/II
Imp	03 17	Ha	14:49	0.1	5969	N34 W19	SF/C4.5	1/1	553/II
Imp	03 17	Ha	17:10	0.5	5974	S35 E40	SF/C5.9	2/3	553/II
1214	03 18	Ha	00:31	0.3	5974	S38 E37	1F	1+/1	553/II
		Ha	01:02	0.5	5969	N39 W31	1F	-	549/I
		SXR	01:04E	3.5	B-DKI	070 <sup>0</sup>	C7.2		
1215	03 18	Ha	10:45	0.2	5983	S32 E75	1N	-	553/II
		Ha	10:54	1.1	5969	N30 W30	1F	-	549/I
		SXR	10:54	2.0	B-DKI	070 <sup>0</sup>	C5.0		
Imp	03 18	Ha	11:15	0.9	5974	S36 E31	1B/M3.2	3-/5	553/II
		radio	11:24						p. 72
		II	11:22						p. 84
1216	03 18	Ha	13:37	1.0	5978	N19 E37	1N	1+/5	553/II
		SXR	13:37	2.0	B-CRI	010	C7		
1217	03 19	Ha	03:34	0.8	5969	N31 W40	SF	3/3	553/II
		SXR	03:34	2.0	B-DKI	070	M1.3		549/I
1218	03 19	Ha	04:38	2.1	5969	N33 W39	1N/2B	3/5	553/II
		Ha	05:05	0.3	5983	S34 E72	1N		549/I
		Ha	06:04	0.8	5984	S13 E61	SF		
		Ha	07:21	0.3	5974	S35 E23	SF		
		SXR	05:00	4.5	B-DKI	070	X1.5		
		IV	04:42	1.3					
		p-ITS	06:00				E <sub>p</sub> to 82 MeV		
Imp	03 19	Ha	13:12	0.4	5983	S34 E66	1N/M1.3	2/5	553/II
Imp	03 19	Ha	13:50E	0.3	5987	S14 E69	1N/M4.2	radio 3-/5	553/II
Imp	03 20	Ha	10:08	0.7	5988	S05 E70	SF/C2.4	1-/3	553/II
Imp	03 20	Ha	14:38	0.4	5988	S05 E66	1N/C5.5	1-/5	553/II
1219	03 20	Ha	15:14	1.3	5983	S37 E55	1N	1/5	553/II
		SXR	15:14	2.0	B-FAI	320	M1.2		549/I
1220	03 20	Ha	16:53	0.8	5974	S36 E05	SN	1-/5	553/II
		SXR	16:53	2.0	BG-FKI	010	C6.4		549/I
Imp	03 20	Ha	19:55E	0.40	5978	N20 E13	SF	-	553/II
Imp	03 20	Ha	20:09	0.4	5988	S05 E63	1B/M1.3	2/5	553/II
Imp	03 20	Ha	20:25	0.4	5974	S34 W04	1N/M2.1	2/5	553/II
1221	03 20	SXR	21:00	2.0	5974?	S34 W04	C5	-	553/II
1222	03 20	Ha	23:00	2.7	5974	S34 W05	1N	1+/3	553/II
		SXR	23:00	2.0	BG-FKI	010	M1.8		549/I

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Imp	03 21	Ha	02:25	1.7	5974	S34 W07	1N/C6.6	1-/1	553/II
Imp	03 21	Ha	02:25	1.2	5984	S13 E37	1N/C6.6	1-/1	553/II
Imp	03 21	SXR	03:41	1.0	x	x	C4.7	1-/1	553/II
Imp	03 21	Ha	08:01	1.3	5984	S13 E35	1F/C5.5	1-/5	553/II
Imp	03 21	Ha	11:12	0.5	5988	S05 E56	SF/C3.4	1-/3	553/II
Imp	03 21	Ha	20:12	1.5	5974	S36 W12	SN/C6.3	1-/5	553/II
Imp	03 22	Ha	04:06	0.4	5983	S35 E27	1B/C7.5	2-/3	553/II
1223	03 22	Ha	04:06	0.4	5983	S35 E27	1B	2-/3	553/II
		Ha	05:37	0.1	5983	S31 E26	SF	3-/5	549/I
		Ha	05:34	1.3	5984	S14 E21	SF		
		SXR	05:34	2.0	BG-EAI	320	M1.1		
		II	04:30		BG-DAI	335			
Imp	03 22	Ha	10:20	1.2	5984	S12 E17	SF/C6	1+/5	553/II
		Ha	10:22	0.2	5983	S34 E23	SB/C6		549/I
		radio	10:24						p. 72
Imp	03 22	Ha	16:01	0.3	5974	S36 W18	SF/C9.1	1-/5	553/II
1224	03 22	Ha	18:23	1.3	5984	S13 E12	SN	2-/3	553/II
		SXR	18:23	2.5	BG-DAI	335	C9.6		549/I
1225	03 23	Ha	00:07	0.6	5988	S06 E34	SF	1/5	553/II
		SXR	00:07	2.0	BD-EKO	310	C7.3		549/I
1226	03 23	Ha	06:14	0.5	5974	S34 W34	1N	2/5	553/II
		SXR	06:14	2.5	BG-FKI	070	C8.2		549/I
Imp	03 23	Ha	12:50	0.30	5988	S07 E28	1N/M1.2	2-/5	553/II
1227	03 23	Ha	16:32	0.3	5988	S07 E22	SF	1+/3	553/II
		SXR	16:32	2.0	BD-EKO	310	C5.1		549/I
Imp	03 24	Ha	02:54	0.2	5983	S36 E02	1N/C9	2/3	553/II
Imp	03 24	Ha	02:55	0.2	5988	S06 E18	1N/C9		553/II
1228	03 24	Ha	04:42	1.1	5988	S05 E18	SN	3-/5	553/II
		SXR	04:42	2.0	BD-EKO	310	M1.2		549/I
Imp	03 24	Ha	10:17E	0.10	5974	S37 W41	1N/C7	1/5	553/II
Imp	03 25	Ha	04:11	1.1	5984	S13 W20	1N/C6.4	2/5	553/II
Imp	03 25	Ha	09:04	0.2	5984	S13 W24	SF/C5.2	1/5	553/II
		II	08:51	1.0					
Imp	03 25	Ha	11:16	0.10	5984	S13 W32	SF/M1.3	2+/5	553/II
1229	03 25	Ha	16:13	2.8	5984	S12 W25	1N	2-/5	553/II
		SXR	16:13	2.5	BG-FKI	335	M1.0		549/I
Imp	03 25	Ha	16:59	0.1	5988	S06 E00	SF/C5	-	553/II

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Imp	03 25	Ha	17:50	0.1	5974	S35 W58	SF/C9	2-/3	549/I
1230	03 25	Ha	19:32	1.2	5984	S13 W30	1N	3-/5	553/II
		SXR	19:52	2.0	BG-FKI	335	M2.7		549/I
Imp	03 26	Ha	03:41	0.1	5974	S34 W73	SF/M2	3/3	553/II
1231	03 26	Ha	04:09	1.7	5984	S13 W33	SN	3/3	553/II
		SXR	04:09	2.0	BG-FKI	335	M3.5		549/I
Imp	03 26	Ha	13:07	0.6	5984	S13 W41	SF/C9.0	1-/3	553/II
Imp	03 27	Ha	03:55	0.5	5988	S04 W22	SN	-	553/II
		Ha	04:11	0.2	5984	S12 W48	SF	2-/5	549/I
		Ha	04:14	0.3	5974	S35 W78	1N/M1.1		
Imp	03 27	Ha	07:58	0.1	5987	S16 W26	SN/C3.8	1-/5	553/II
1232	03 27	Ha	10:11	2.3	5984	S14 W45	SF	1+/1	553/II
		SXR	10:11	2.5	BGD-FKI	335	C4		549/I
1233	03 27	Ha	12:14	0.3D	5991	N22 W48	1N	-	553/II
		SXR	12:14	2.0	B-BX0	330	C6		549/I
Imp	03 27	Ha	13:45	1.4	5984	S12 W48	1N/C6.8	1-/5	553/II
Imp	03 27	Ha	19:59	0.8	5984	S14 W56	1F/C9.5	1/5	549/I
Imp	03 27	Ha	22:34	0.2	5984	S14 W56	1F/C6	1-/5	553/II
Imp	03 28	Ha	01:37	0.4	5984	S12 W54	1F/C4	1-/1	553/II
		Ha	01:51	0.3	5988	S04 W32	SF/C4.9		553/II
1234	03 28	Ha	07:12	0.1	5984	S14 W65	SN	1-/5	553/II
		Ha	07:27	2.4	5988	S05 W35	2N/M4.2	3/5	549/I
		Ha	07:37	0.5	5984	S14 W66	SF		
		Ha	07:42	0.3	5987	S19 W38	SF		
		Ha	08:30	1.7	5987	S17 W38	SF		
		SXR	07:27	5.0	BG-FK0	305	M4.2		
Imp	03 28	Ha	09:28	0.4	5991	N24 W62	1N/M1.4		553/II
		IV	07:57		B-DAO	330			
		P	15:00	47.0		E <sub>p</sub> to 44 MeV			
Imp	03 29	Ha	08:27	0.3	5983	S32 W60	SF/C3.8	1-/5	553/II
Imp	03 29	Ha	09:53	0.2D		N23 E80	SF	1-/5	553/II
		Ha	09:55	0.2	5984	S14 W80	SF		553/II
Imp	03 30	Ha	01:58	0.1	5984	S12 W85	1F/C4.0	1-/3	553/II
Imp	03 30	Ha	07:20	0.5	5984	S12 W85	1N/C6.9	2-/5	549/I
1235	03 30	Ha	10:57	0.1D	5984	S14 W90	1F/C3	-	553/II
		SXR	10:57	2.5	B-DAO	335	C3		
Imp	03 30	Ha	19:31	0.2	5983	S30 W80	SF/M1	1+/5	553/II
Imp	03 31	Ha	09:18	0.2	5988	S07 W73	SF/C7	2/5	553/II
Imp	03 31	Ha	11:16	0.2	5988	S05 W76	SF/C8.7	2-/5	553/II

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1236	04 01	Ha	05:55	0.3	5984?	S17 W90	SF	1+/1	550/I
		SXR	05:55E	3.5	B-DAO	335	M4.1		554/II
Imp	04 02	Ha	17:04	0.6	6001	N21 E38	1N/M1.8	1-/5	554/II
1237	04 03	SXR	01:39	2.0	6001?	N23 E35	M1.0	2+/5	554/II
					B-EKI	165			
1238	04 03	Ha	02:35	0.2	6001	N23 E35	SF	1-/1	554/II
		SXR	02:35	2.0	B-EKI	165	C5.1		550/I
1239	04 03	SXR	05:01	2.0	6001?	N22 E32	C4.5	2/5	554/II
1240	04 03	Ha	07:05	1.2	6001	N24 E30	SN	1/5	554/II
		SXR	07:05	2.0	B-EKI	165	C7.9		550/I
1241	04 03	SXR	08:16	3.0	6001	N24 E30	1N/M7.3	3/5	554/II
1242	04 03	Ha	17:05	0.8	6007	N23 E83	SF	2+/5	554/II
		SXR	17:05	3.0	B-CSO	100	X1.0		550/I
		II	17:24						
Imp	04 04	Ha	01:40	0.6	6007	N23 E83	1N/C8.3	2/3	554/II
1243	04 04	Ha	13:15	1.2	6007	N23 E72	SN	3/5	554/II
		SXR	13:15	3.0	B-CSO	100	M7.1		550/I
		IV	13:15						
Imp	04 05	Ha	00:58	0.3	6001	N21 E10	SN/C5.0	1-/3	554/II
Imp	04 05	Ha	11:02	0.2	6006	N31 W17	SN/C4.4	1-/5	550/I
1244	04 05	Ha	13:35	0.9	6007	N23 E61	1N	2+/5	554/II
		SXR	13:35	2.0	B-DSO	100	M3.2		550/I
		Bern	13:43						
1245	04 06	Ha	06:18	1.2D	6007	N25 E50	1N	2-/1	554/II
		SXR	06:10	3.0	B-DSO	100	C3.2		550/I
1246	04 07	SXR	09:17	2.5	6007?	N25 100	C1.2	-	554/II
1247	04 07	Ha	15:11	1.1	6012	N31 E62	SF	1/5	554/II
		SXR	15:11	3.0	B-CAO	075	C9.5		550/I
		II	15:22						
		ITS	07:00	48.0					
1248	04 08	Ha	03:44	1.5	6007	N24 E28	2N	3-/5	554/II
		SXR	03:44	3.0	B-DSO	100	M1.5		550/I
1249	04 08	Ha	06:55	1.0	6001	N23 W33	SN	1-/5	554/II
		SXR	06:55	2.0	B-ESO	165	C2.5		550/I
1250	04 08	Ha	08:27	0.6	6001	N22 W32	SN	1-/5	554/II
		SXR	08:27	2.0	B-ESO	165	C2.7		550/I
Imp	04 08	Ha	13:10	0.7	6001	N20 W36	1N/C5.3	1+/5	554/II
1251	04 10	SXR	05:00	2.0	6007?	N24 100	C1.0	1+/1	554/II



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1252	04 10	SXR	08:50	2.0	6007?	N24-I00	C6.1	2/5	554/II
1253	04 10	Ha	11:44	1.5	6007	N24 W04	1N	2/5	554/II
		SXR	11:44E	2.5	B-BX0	100	M1.1		550/I
	04 11	ITS	21:30	8.5					
	04 10	IV	11:47						
Imp	04 12	SXR	02:49	1.0	x	x	M3.2	3/5	554/II
1254	04 12	SXR	04:10	2.0	6022?	N27 E90	C7	3-/5	554/II
					B-EKI	340			
1255	04 12	SXR	06:15	3.5	6021?	S12 E90	C5	2+/5	554/II
					B-FAI	340			
1256	04 13	SXR	09:40	2.0	6021?	S12 E90	C3	1-/5	554/II
					B-FAI	340			
Imp	04 13	Ha	11:42	1.0	6018	S33 E53	SF/C7	2/5	554/II
					B-DAO				
1257	04 13	Ha	18:31	0.5	6022	N28 E70	1F	1+/3	554/II
		SXR	18:31	2.5	B-EKO	340	C6.4		550/I
Imp	04 13	Ha	21:16	0.5	6018	S34 E44	1B/M4.9	2+/5	554/II
1258	04 14	Ha	02:25	0.5	6007	N24 W54	1N	1+/5	554/II
Imp		Ha	03:50	0.3	6018	S32 E40	1B/M1.3		550/I
		SXR	02:25	2.0	0-0	100	C9.0		
		IV	04:12						
Imp	04 14	Ha	06:52	0.2	6018	S32 E38	SF/C6.3	1+/5	554/II
Imp	04 14	Ha	12:20	0.5	6018	S32 E36	SN/M1.0	1/5	550/I
1259	04 15	Ha	02:30	2.6	6022	N32 E54	2B	3/5	554/II
		SXR	02:30	7.5	BGD-EKI	340	X1.4		550/I
		IV	02:45						
Imp	04 15	Ha	11:47	0.4	6021	S15 E61	SF/M1.0	1+/5	554/II
Imp	04 15	Ha	17:17	1.0	6018	S31 E20	SF/C9.4	1+/5	550/I
Imp	04 15	Ha	20:55	0.3	6021	S14 E52	SN/C6.0	1-/3	
1260	04 15	Ha	23:46	1.0	6021	S13 E52	SF	2/5	554/II
		Ha	23:51	0.9	6012	N31 W45	SF		550/I
Imp	04 16	Ha	00:39	0.1	6025A	S30 E31	1F	2/5	
Imp		Ha	00:39	0.3	6018	S31 E17	1B/M2.0		
1260	04 15	SXR	23:50	2.5	BG-FAI	340	C9.6		
					B-CS0	075			
1261	04 16	Ha	04:00	0.7	6022	N27 E33	1N	1-/1	554/II
		SXR	04:00	2.0	BGD-EKI	340	C3.7		550/I
1262	04 16	Ha	06:30	1.1	6021	S12 E46	2B	3/5	554/II
		SXR	06:30	3.5	BG-FAI	340	X2.2		550/I

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1263	04 16	Ha	16:07	0.5	6022	N32 E36	SF	-	554/II
		SXR	16:07	2.0	BGD-EKI	340	C3.4		550/I
Imp	04 17	Ha	03:11	0.6	6018	S31 E01	1N/C9.6	2/3	554/II
1264	04 17	Ha	14:18	1.6	6022	N26 E15	2N	2-/5	554/II
		SXR	14:18	2.0	BG-FKO	340	M1.4		550/I
Imp	04 18	Ha	03:32	1.2	6018	S33 W08	1N/M1.5	2+/5	554/II
Imp	04 19	Ha	03:35	0.6	6021	S14 E11	SN/C4.9	1/3	550/I
1265	04 19	Ha	15:41	2.0	6022	N26 W11	1F	1-/5	554/II
		SXR	15:41	2.0	BGD-FKI	340	C5.2		550/I
Imp	04 19	Ha	22:45	0.9	6022	N28 W13	SF/C4.6	1-/5	554/II
1266	04 20	Ha	07:45	1.4	6031	S33 E22	1N	1-/1	554/II
		SXR	07:45	4.0	BG-CKO	315	C6.8		550/I
Imp	04 20	Ha	18:17	0.6	6018	S32 W41	SF/M1.5	2/3	554/II
Imp	04 20	Ha	23:24	1.0	6018	S33 W44	1N/C9.4	1/5	550/I
1267	04 21	Ha	06:42	1.2	6021	S15 W18	2B	1/1	554/II
		Ha	07:16	1.0	6021	S15 W18	2B		550/I
		SXR	06:42	3.0	BG-FAI	340	M2.3		
1268	04 21	Ha	19:01	1.4	6022	N30 W36	SN	2/3	554/II
		SXR	19:01	2.0	BGD-FKO	340	C7.2		550/I
1269	04 22	Ha	02:47	0.8	6018	S33 W59	SF	1-/1	554/II
		SXR	02:47	2.5	BG-EAO	010	C5.3		550/I
1270	04 22	Ha	09:16	0.7D	6029	N25 E08	1F	-	554/II
		SXR	09:16	2.0	A-AX	290	C4.0		550/I
1271	04 23	Ha	12:35	1.4	6032	S12 W33	1N	2-/5	554/II
		SXR	12:35	2.5	B-DSI	315	M1.2		550/I
Imp	04 24	Ha	06:23	0.6	6021	S15 W63	1F/C4.6	1-/5	554/II
Imp	04 24	Ha	22:51	0.3	6022	N35 W65	SF/C4.7	1-/1	550/I
1272	04 25	Ha	23:47	0.2	6022	N36 W75	SF	2-/5	554/II
		SXR	23:47	2.0	BD-DKI	340	C8.3		550/I
1273	04 26	Ha	00:52E	0.1D	6022	N30 W81	SF	1-/1	554/II
		SXR	00:52E	2.0	B-DKI	340	C6.1		550/I
1274	04 26	SXR	06:09	3.5	6022?	N30-340	C5.2	1-/5	554/II
1275	04 26	Ha	15:49E	0.5D	6030	N21 W77	SF	1-/5	554/II
		SXR	15:19	2.0	B-DSO	330	C5.9		550/I
Imp	04 26	Ha	19:07E	0.9	6030	N24 W80	1N/C6.0	1+/3	554/II
Imp	04 26	Ha	21:13	1.6	6030	N22 W80	1F/C6.0	-	550/I
Imp	04 27	Ha	14:47	0.3	6042	S20 W30	SF/C2.8	1/1	554/II

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1276	04 27	SXR	22:27	3.0	6038? B-DAO	N17 275	C2.4	-	554/II
ITS	04 28	ITS	06:00	28.0			-82.0 MeV		550/I
1277	04 29	SXR	01:12	4.0	6038? B-DAO	N19 W59 275	C1.9	-	554/II
Imp	04 30	Ha	10:38	0.6	6038	N16 W70	SF/C1.9	-	554/II
1278	05 02	SXR	10:00	2.0	6045? A-HS	N20 E02 162	--/C1.7	-	555/II
1279	05 02	SXR	20:02	2.0	6045?	N20 E02	--/C2.3	2+/1	555/II
1280	05 02	SXR	22:58	2.0	6045?	N20 E00	--/2.0	1-/1	555/II
1281	05 04	SXR	16:45	2.5	6049? B-FAI	N17 E62 082	--/C1	2+/1	555/II
1282	05 04	SXR	19:46	3.0	6049?	N17 E62	--/C1.4	2+/3	555/II
1283	05 06	SXR	00:46	2.0	6052 B-CRI	S13 E28 093	--/C4.6	1+/3	555/II
1284	05 06	SXR	08:00	2.5	6049?	N17-082	--/C2	-	555/II
1285	05 08	SXR	09:30	2.0	6049?	N17-082	--/C3	1-/5	555/II
1286	05 09	SXR IV	04:04 04:00	2.0	6054? B-DAO	S18 E50 032	--/M1.2	3-/5	555/II
1287	05 09	Ha SXR	13:22 13:22	0.8 2.0	6054 B-DAO	S20 E47 032	1N C8.5	1/5	551/I 555/II
1288	05 09	Ha SXR	22:56 22:56	0.4 2.0	6054 B-DAO	S20 E40 032	SF C2.2	-	551/I 555/II
1289	05 10	SXR	02:20	2.0	6054?	S20-032	--/C3.0	1-/1	555/II
1290	05 10	Ha SXR	11:02 11:02	0.7 2.0	6054 E-CRI	S17 E34 032	SF C8.0	2+/5	551/I 555/II
1291	05 10	SXR	15:21	2.0	6054?	S17-032	--/M3.9	3-/5	551/I
1291	05 10	SXR II	19:18 19:34	2.0	6060?	N28 E65	--/X3.4	3/5	555/II
1293	05 10	SXR	23:50	2.0	6060?	N28 E60	--/M2.1	3/5	555/II
1294	05 11	SXR	05:36	2.0	6063? B-ESC	N34 E90 318	--/X2.4	3/5	555/II
1295	05 11	SXR	16:01	2.0	6049? B-ESI	N16 W28 082	--/C6.7	1-/5	555/II
1296	05 13	SXR	03:25	2.0	6064? A-HRX	S15 E76 311	--/M1.7	3-/3	555/II

Table 2

Supplement of the LDE flares in the 21st cycle

No	Suppl No	Date (mo-day)	Event	Start UT	Dur hr	Group No	Position	Imp	SID	SGD
1 9 8 0										
	420	04 05	Ha	05:51	0.6	16747	N11 E29	1N	3/3	451/II
			SXR	05:51	2.0	BGD-E	104	C9		434/II
	421	04 05	Ha	15:48	1.8	16761	S10 E66	SF	2+/5	451/II
			Ha	15:43	0.8	16747	N10 E24	1B		434/II
			SXR	15:43	2.0	BGD-E	104	M5		
			Ha	18:56	0.7	16746	N13 E02	SB		
			Ha	19:38	0.9	16747	N10 E17	SN		
			Ha	19:42	0.3	16741	S09 E65	SN		
01	421 <sub>1</sub>	04 06	Ha	03:56	1.5	16747	N11 E16	1N	3/3	451/II
			SXR	03:56	5.0	BGD-E	104	X2	II+IV	434/II
02	421 <sub>2</sub>	04 06	Ha	14:23	0.1D	16747	N11 E12	1B	2+/5	430/I
			SXR	14:23	2.0	D-EHI	104	M1		434/II
03	422 <sub>1</sub>	04 06	Ha	20:55	1.3	16747	N10 E05	SN	2/5	451/II
			SXR	20:55	2.0	D-EH	102	C8		434/II
04	426	04 08	Ha	02:59	1.2	16742	S15 W90	2N	3/3	451/II
			Ha	03:03	0.9	16747	N11 W11	1B		434/II
			SXR	03:00		AP-C	182	M4		430/I
						D-FKI	104			
05	426 <sub>1</sub>	04 09	Ha	22:12	0.6	16742?	S10 W90	?B	1-/5	451/II
			SXR	22:10	2.0	AP-C	182	C5		434/II
	432	04 13	Ha	04:05	0.2D	16747	N10 W77	1F	2/3	451/II
			Ha	04:11	1.0	16743	S30 W03	SN		434/II
			SXR	04:05	3.0	BGD-EKI	104	M1		430/I
06	432 <sub>1</sub>	04 13	Ha	08:40	0.1	16747	N11 W80	SN	1+/5	451/II
			SXR	08:40	1.5	AP-HR0	98	C6		434/II
07	431 <sub>1</sub>	04 12	Ha	21:03	0.6	16752	N29 W90	?B	-	451/II
			SXR	21:03	2.0	B-FKI	084	M1		434/II
08	438 <sub>1</sub>	04 21	Ha	03:43	0.7	16789	S14 E43	1F	1-/1	451/II
			SXR	03:43	2.0	BY-EKI	238	C2		434/II
09	439 <sub>1</sub>	04 29	Ha	10:05	1.9	16790	S29 W66	1N	1/1	451/II
			SXR	10:05	2.0	B-ESI	237	C4		434/II
10	440 <sub>1</sub>	04 30	Ha	11:41E	0.1D	16802	S16 E14	SF	2/5	451/II
			SXR	11:00	2.0	B-FAI	147	C5		434/II

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11	440 <sub>2</sub>	04 30	Ha	15:37	1.2	16802	S20 W02	?N	1/5	451/II		
			SXR	15:37	2.0	B-FAI	147	C2		434/II		
12	443 <sub>1</sub>	05 02	Ha	23:44	1.0	16812	N25 E57	1N	1-/1	457/II		
			SXR	23:44	2.0	BP-H	084	C6		435/II		
13	445 <sub>1</sub>	05 06	Ha	06:06	0.9	16815	S23 E01	1N	1-/5	457/II		
			SXR	06:06	2.0	BP-FKI	079	C2		435/II		
14	445 <sub>2</sub>	05 07	Ha	23:09	0.9	16815	S22 W21	1N	1-/5	457/II		
			SXR	23:09	2.0	BP-HX	090	C5		435/II		
15	445 <sub>3</sub>	05 08	Ha	05:35	0.7	16830	N13 E02	1N	-	457/II		
			SXR	05:35	2.0	B-CS0	051	C1		435/II		
16	445 <sub>4</sub>	05 09	Ha	20:15	1.3	16828	S30 E31	1N	-	457/II		
			SXR	20:15	2.0	BF-BX0	006	C1		435/II		
17	454 <sub>1</sub>	05 24	Ha	06:23	1.2	16850	S15 W50	1N	1-/1	457/II		
			SXR	06:23	2.0	BF-DS0	250	C4		435/II		
18	465 <sub>1</sub>	06 03	Ha	11:30	1.0	16884	S13 E70	SB	2/5	436/II		
			SXR	11:30	2.0	D-HX	357	M2		459/II		
			467	06 04	Ha	07:53	1.7	16884		S15 E58	1N	2+/5
468		SXR	07:53	5.0	D-HX	357	M5		459/II			
19	468 <sub>1</sub>	06 04	Ha	23:20	1.1	16877	S13 W05	SN	2+/5	436/II		
			SXR	23:20	2.0	B-CS0	051	C9		459/II		
20	468 <sub>2</sub>	06 05	Ha	10:58	0.50	16884	S16 E45	SB	-	436/II		
			SXR	10:58	2.5	D-DAI	358	C8		459/II		
21	468 <sub>3</sub>	06 05	Ha	23:41	0.6	16884	S13 E36	1N	-	436/II		
			06 06	Ha	00:42	1.3	16884	S14 E35		SN	1-/3	459/II
			SXR	23:41	2.0	D-DAI	358	C2		432/II		
22	469 <sub>1</sub>	06 07	Ha	03:11	0.3	16886	N12 W74	1B	3/3	436/II		
			SXR	03:11	2.0	B-DAO	090	C3		459/II		
23	469 <sub>2</sub>	06 07	Ha	05:11	0.5	16877	S12 W36	1N	1-/3	436/II		
			SXR	05:11	2.0	B-DRO	052	C3		459/II		
24	469 <sub>3</sub>	06 07	Ha	09:43E	0.40	16884	S18 E20	SF	2+/5	436/II		
			SXR	09:43	2.0	D-EKI	001	C3		459/II		
25	470 <sub>1</sub>	06 08	Ha	15:19	0.8	16886	N12 W90	1N	3/3	436/II		
			SXR	15:19	2.0	B-DAO	090	M1		459/II		
26	470 <sub>2</sub>	06 10	Ha	23:32	1.2	16884	S15 W32	SF	1-/1	436/II		
			SXR	23:32	2.0	D-EAI	359	C5		459/II		
27	470 <sub>3</sub>	06 13	Ha	08:11	1.0	16901	S13 E35	2B	1-/5	436/II		
			SXR	08:11	2.0	BP-CKI	270	C6		459/II		
28	472 <sub>1</sub>	06 15	Ha	12:13	1.1	16918	S11 E90	SN	-	436/II		
			SXR	12:13	2.0	AP-AXX	195	C9		459/II		

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29	473 <sub>1</sub>	06 19	Ha	07:19	1.0	16918	S11 E39	1N	1/5	436/II	
			SXR	07:19	2.0	AP-BX0	194	C3		459/II	
30	474 <sub>1</sub>	06 20	Ha	04:38E	2.1	16918	S09 E17	2N	1-/3	436/II	
			SXR	04:38E	4.0	B-EAI	184	C2		459/II	
31	475	06 21	Ha	00:03	1.7	16918	S12 E14	2N/M5	1-/3	436/II	
			Ha	01:21	0.2	16898	N19 W90	1B/X2.6		459/II	
			SXR	00:03	4.5	D-CA0	184	M5		432/I	
32	475 <sub>1</sub>	06 21	Ha	17:38	0.3	16923	S29 E19	SF	1/3	436/II	
			SXR	17:38	2.0	B-EKI	164	C2		459/II	
33	475 <sub>2</sub>	06 22	Ha	03:21	1.2	16918	S18 W02	?F	1-/1	436/II	
			SXR	03:21	2.0	D-CA0	184	C2		459/II	
34	480 <sub>1</sub>	06 24	Ha	15:22	0.9	16923	S29 W15	SB	1/5	436/II	
			SXR	15:22	2.0	BP-FKI	166	C4		459/II	
35	480 <sub>2</sub>	06 24	Ha	23:02	1.2	16923	S25 W14	1N	1-/1	436/II	
			SXR	23:02	2.0	BP-FKI	166	C2		459/II	
			Ha	23:34	1.2	16911	N20 W70	1B		432/I	
36	480 <sub>3</sub>	06 25	Ha	10:41E	1.3	16923	S29 W28	SN	1/5	436/II	
			SXR	10:41E	2.0	BY_FKI	165	C2		459/II	
37	481 <sub>1</sub>	06 29	SXR	02:30	2.0	16927?	S08 W30	M1	2/5	436/II	
							BP-CA0				
38	483 <sub>1</sub>	06 30	Ha	13:30	0.9	16943	S12 W21	1B	1/5	436/II	
			SXR	13:30	2.0	B-DKI	0090	C5		459/II	
39	489 <sub>1</sub>	07 10	Ha	09:30	1.4	16978	S13 E90	1N	-	436/II	
			SXR	09:30	2.0	BP-EAI	210	C2		459/II	
40	489 <sub>2</sub>	07 10	Ha	15:45	0.4	16978	S13 E90	SN	-	436/II	
			SXR	15:45	2.0	BP-EAI	210	C5		459/II	
41	489 <sub>3</sub>	07 11	Ha	12:50	0.7	16978	S11 E72	1B	2/1	436/II	
			SXR	12:50	2.0	BP-EAI	210	C5		459/II	
42	489 <sub>4</sub>	07 11	Ha	16:39	0.3	16978	S12 E75	1B	1-/5	436/II	
			SXR	16:39	2.0	BP-EAI	210	M3		459/II	
43	492 <sub>1</sub>	07 12	Ha	09:26E	0.4	16978	S12 E61	SN	-	436/II	
			Ha	10:06	0.9	16978	S08 E70	?N		2/6	459/II
			SXR	09:26	2.0	D-EKI	210	C9			
44	492 <sub>2</sub>	07 12	Ha	10:54	0.7	16974	N23 E47	1N	1-/5	436/II	
			SXR	10:54	2.0	BP-DS0	235	M1		459/II	
45	493 <sub>1</sub>	07 13	Ha	05:48	3.3	16978	S14 E53	1F	1-/3	436/II	
			SXR	05:48	2.5	D-EKI	210	C2		459/II	
46	494 <sub>1</sub>	07 15	Ha	09:14E	0.6	16978	S15 E27	SN	-	436/II	
			SXR	09:14E	2.0	B-EKI	209	C2		459/II	

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47	495 <sub>1</sub>	07 18	Ha	21:56	1.0	16974	N24 W44	1B	-	436/II
			SXR	21:56	2.0	BP-DSO	235	C3		459/II
48	495 <sub>2</sub>	07 18	Ha	22:29	1.2	16991	S25 E31	SN	-	436/II
			SXR	22:29	2.0	AP-DKC	154	C4		459/II
49	497	07 21	Ha	02:44E	1.5	16292	S27 E50	1B	2+/3	436/II
			SXR	02:44	2.0	AP-DKC	119	M8		459/II
50	497 <sub>1</sub>	07 21	Ha	02:47	0.4	16978	S13 W60	?B	2+/3	436/II
			Ha	04:32	1.3	16978	S10 W54	?F	-	459/II
			SXR	02:47	2.5	AP-CKO	214	M5		433/I
51	497 <sub>2</sub>	07 21	Ha	18:51	1.8	16985	S17 W04	1B	-	436/II
			SXR	18:51	2.0	BP-DAI	157	C4		459/II
52	501 <sub>1</sub>	08 03	Ha	00:20	6.3	17016	S32 W03	1F		438/II
			SXR	00:20	4.0	AP-AXX	004	C2	-	462/II
53	501 <sub>2</sub>	08 05	SXR	19:30	2.5	17008	S05 W90	C4	-	438/II
	GLE	08 06	P	08:00		AP-HSX	047			
54	501 <sub>3</sub>	08 06	Ha	15:40	0.7	17019	N19 W41	SF		438/II
			SXR	25:40	2.5	AP-Ø	340	C4	1-/1	462/II
55	502 <sub>1</sub>	08 08	Ha	22:42	1.1	17023	S07 W33	SN	-	438/II
			SXR	22:42	2.5	AP-DSI	304	C2		462/II
56	502 <sub>2</sub>	08 09	Ha	20:03	1.4	17051	S12 E90	1N	1-/5	438/II
			SXR	20:03	2.5	BF-BXO	117	C4		462/II
57	505 <sub>1</sub>	08 13	Ha	06:16	1.2	17048	N16 E29	1N	1-/1	438/II
			SXR	06:16	2.0	B-DAI	182	C4		462/II
58	506 <sub>1</sub>	08 14	Ha	15:33	1.7	17062	N15 E86	SN	-	438/II
			SXR	15:33	2.0	BF-DSO	109	C1		462/II
59	506 <sub>2</sub>	08 15	Ha	07:30	1.5	17060	S24 E20	1F	-	438/II
			SXR	07:30	3.0	B-DSI	164	C2		462/II
60	506 <sub>3</sub>	08 16	Ha	02:28	2.7	17048	N10 W10	?N	1-/3	438/II
			SXR	02:28	2.0	BP-DSO	189	C1		462/II
61	506 <sub>4</sub>	08 17	Ha	13:26	0.2	17068	S17 E26	SF	1-/1	438/II
			SXR	13:26	2.0	AF-BXO	123	C4		462/II
62	506 <sub>5</sub>	08 21	Ha	18:54	0.8	17062	N19 W11	1B	1/5	438/II
			Ha	20:02	0.6	17062	N20 W08	SF		462/II
			SXR	18:54	2.0	BY-FKI	109	M3		433/I
63	506 <sub>6</sub>	08 22	Ha	14:14	0.9	17062	N19 W20	SB	1-/3	438/II
			SXR	14:14	2.0	Y-EKI	107	C4		462/II
64	506 <sub>7</sub>	08 22	Ha	23:58	0.7	17062	N19 W25	1B	1-/3	438/II
			SXR	23:58	2.0	Y-EKI	109	C7		462/II

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65	507 <sub>1</sub>	08 24	Ha	05:08	1.1	17062	N19 W44	1N	2+/3	438/II		
			SXR	05:08	2.0	BY-EAI	108	C9			462/II	
66	507 <sub>2</sub>	08 24	Ha	08:30E	0.7D	17062	N20 W45	?B	3/5	438/II		
			SXR	08:30E	2.0	BY-EAI	108	C6			462/II	
67	508 <sub>1</sub>	08 24	Ha	18:24	1.9	17062	N16 W52	1B	1-/3	438/II		
			SXR	18:24	2.0	BY-EAI	108	C9			462/II	
68	509 <sub>1</sub>	08 25	Ha	18:52	1.5	17062	N16 W65	1B	2/3	438/II		
			SXR	18:52	2.0	B-EAI	109	C3			462/II	
69	510 <sub>1</sub>	08 26	Ha	05:38	0.6	17062	N19 W70	1N	2/3	438/II		
			SXR	05:38	2.0	B-FAI	104	C6			462/II	
70	510 <sub>2</sub>	08 30	Ha	12:42E	0.7	17098	N11 E43	SB	2+/5	438/II		
			SXR	12:42E	2.0	BP-FAO	298	C3			462/II	
71	510 <sub>3</sub>	08 31	Ha	08:20	1.3	17100	S06 E45	1N	1-/5	438/II		
			SXR	08:20	2.0	BP-CSO	288	C3			462/II	
72	511	08 31	Ha	12:48	0.1	17098	N12 E28	SB	2+/5	438/II		
			Ha	13:19	1.6	17100	S06 E40	2B			3/5	462/II
			SXR	12:48	4.0	BP-CSO	288	M2.8				
						D-EKI	298					
73	512	09 04	Ha	00:30	1.4	17098	N11 W13	1N	1/3	439/II		
			SXR	00:30	2.0	D-EKI	298	C6			463/II	
74	512	09 04	Ha	01:52	1.4	17089	S07 W17	2B	3/5	439/II		
			SXR	01:52	2.5	D-FKC	301	M6.4			463/II	
75	512	09 04	Ha	02:45	0.7	17098	N11 W15	SN	-	439/II		
			SXR	02:45	2.0	D-EKI	298	C6			463/II	
76	512	09 04	Ha	06:53	0.5	17098	N12 W19	SN	1-/5	439/II		
			SXR	06:53	2.0	D-EKI	298	C3			463/II	
77	512 <sub>1</sub>	09 05	Ha	18:01	1.1	17089	S08 W37	SN	1-/3	439/II		
			SXR	18:01	2.0	BY-EKI	300	C4			463/II	
78	513	09 08	Ha	05:02	0.3	17117	N10 E90	AN	3/5	439/II		
			SXR	05:02	2.0?	AP-EAO	148	M3.4			463/II	
79	513 <sub>1</sub>	09 08	Ha	05:22	1.8	17089	S09 W68	2B	3/5	439/II		
			SXR	05:22	4.0	B-EKO	302	M8			463/II	
80	513 <sub>2</sub>	09 08	Ha	19:10	0.2	17117	N12 E75	1N	1-/5	439/II		
			SXR	19:10	2.0	AP-EAO	148	C9			463/II	
81	513 <sub>3</sub>	09 17	Ha	06:53	1.0	17127	S11 W04	1N	-	439/II		
			SXR	06:53	2.5	B-DAO	109	C2			463/II	
82	514 <sub>1</sub>	09 19	Ha	10:45	1.0	17127	S13 W31	1N	-	439/II		
			SXR	10:45	2.0	B-DAO	109	C2			463/II	



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83	514 <sub>2</sub>	09 20	Ha	05:16	1.8	17142	S33 E24	SB	-	439/II
			SXR	05:16	2.0	B-EAO	043	C2		463/II
84	514 <sub>3</sub>	09 20	Ha	06:21	0.8	17127	S14 W40	1N	-	439/II
			SXR	06:21	2.0	BY-DSO	107	C2		463/II
	516	09 23	Ha	15:10	0.6	17146	N08 W19	SN		439/II
			Ha	16:13E	0.10	17167	S15 E88	SF	2/5	463/II
			SXR	15:52	4.0	AP-CSO	299	M2		435/I
85	516 <sub>1</sub>	09 24	Ha	07:21	0.6	17145	N18 W25	1B	2+/5	439/II
			Ha	08:03	0.7	17145	N18 W25	SF	-	463/II
			Ha	09:38	0.2	17146	N08 W30	SF		435/I
			SXR	07:21	2.0	D-EKI	045	M5		
86	517 <sub>1</sub>	09 29	SXR	06:00	2.0	17174?	250	C2	-	439/II
						BY-DKI				463/II
87	518 <sub>1</sub>	09 30	Ha	04:12	1.0	17174	N14 E46	SN	-	439/II
			SXR	04:12	2.0	BY-EKO	250	C2		463/II
										435/I
88	519 <sub>1</sub>	10 03	Ha	21:52	1.3	17174	N17 E08	1N	1-/3	465/II
			SXR	21:52	2.0	B-DAI	252	C2		440/II
89	519 <sub>2</sub>	10 03	Ha	22:27	1.3	17167	S18 W50	1N	1-/3	465/II
			SXR	22:27	2.0	AP-C	300	C2		440/II
90	519 <sub>3</sub>	10 04	Ha	00:08U	1.70	17175	N20 E20	1N?	-	465/II
			SXR	00:08	2.0	AP-CRO	227	C2		440/II
91	519 <sub>1</sub>	10 06	Ha	03:03	0.2	17169	N06 W92	SN	-	465/II
			SXR	03:03	2.5	AP-C	290	C2		440/II
92	519 <sub>5</sub>	10 07	Ha	09:22	0.3	17188	S07 E89	1N	3/5	465/II
			SXR	09:22	2.0	Y-EKI	120	M1		440/II
93	521 <sub>1</sub>	10 08	Ha	15:33	0.9	17187	N11 E37	1B	1/5	465/II
			SXR	15:33	2.0	D-EKI	146	C8		440/II
94	523 <sub>1</sub>	10 12	Ha	14:20	0.9	17181	N09 W33	SN	-	465/II
			SXR	14:20	2.5	D-EKI	162	C6		440/II
			Ha	14:29	0.6	17187	N15 W19	SN		436/I
						BY-EKI	145			
95	526 <sub>1</sub>	10 20	Ha	04:04	0.3	17212	S18 E43	SF	1-/3	465/II
			Ha	04:46	0.3	17212	S18 E42	SB		440/II
			SXR	04:04	2.0	D-FKC	352	C4		436/I
96	528 <sub>1</sub>	11 01	Ha	18:41	1.1	17244	N14 E63	1B	1-/5	467/II
			SXR	18:41	2.0	D-DKC	167	C2		441/II
97	529 <sub>1</sub>	11 05	Ha	04:24	0.5	17255	S08 E90	1N	-	467/II
			SXR	04:24	2.0	B-EKI	099	C6		441/II

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98	529 <sub>2</sub>	11 05	Ha	08:57	0.9	17255	S13 E85	SN	2/3	441/II	
			SXR	08:57	2.0	B-EKI	099	M5			467/II
99	530 <sub>1</sub>	11 05	Ha	22:25	1.1	17244	N10 E07	1B	2+/5	441/II	
			SXR	22:25	2.0	D-EKC	167	C9			467/II
100	534 <sub>1</sub>	11 06	Ha	21:55U	1.00	17255	S12 E60	1N?	2+/3	441/II	
			SXR	21:55	2.0	BY-FKI	099	M3			467/II
101	535 <sub>1</sub>	11 07	Ha	04:08	1.5	17255	S11 E57	1N	2+/1	441/II	
			SXR	04:08	2.0	D-FKI	100	M2			467/II
102	538 <sub>1</sub>	11 09	Ha	01:54	0.3	17255	S13 E37	1N	1-3/	441/II	
			SXR	01:54	2.0	D-FKC	099	C8			467/II
103	538 <sub>2</sub>	11 09	Ha	03:52	0.4	17244	N11 W33	1N	1-/3	441/II	
			SXR	03:52	2.0	D-DKC	167	C8			467/II
104	538 <sub>3</sub>	11 10	Ha	08:02	1.6	17255	S13 E16	1B	2/5	441/II	
			SXR	08:02	2.0	D-FKC	098	C9			467/II
105	538 <sub>4</sub>	11 10	Ha	11:27	1.2	17245	N06 W53	SB	2/5	441/II	
			SXR	11:27	2.0	AP-HSX	174	C9			467/II
106	539 <sub>1</sub>	11 10	Ha	15:59	2.1	17244	N08 W55	1N	2/3	441/II	
			SXR	15:59	2.0	D-DKI	166	C6			467/II
107	542 <sub>1</sub>	11 11	Ha	19:21	1.6	17255	S13 W03	1N	1-/3	441/II	
			SXR	19:21	2.0	D-FKC	099	M2			467/II
108	543 <sub>2</sub>	11 12	Ha	00:32	1.1	17255	S13 W08	1N	1-/1	441/II	
			SXR	00:32	2.0	D-FKC	099	C8			467/II
109	542 <sub>3</sub>	11 12	Ha	16:42	2.0	17255	S14 W11	1B	1+/3	441/II	
			SXR	16:42	2.0	D-FKC	099	C4			467/II
110	542 <sub>4</sub>	11 12	Ha	20:11	2.0	17255	S12 W18	SN	-	441/II	
			SXR	20:11	2.0	D-FKC	099	C6			467/II
			Ha	22:24	1.0	17255	S12 W19	1B			2+/5
111	542 <sub>5</sub>	11 13	Ha	00:18	0.9	17255	S12 W20	2B	2+/1	441/II	
			SXR	00:18	2.0	D-FKI	097	M2			467/II
112	542 <sub>6</sub>	11 13	Ha	00:20	1.0	17244	N14 W90	1N?	-	441/II	
			SXR	00:20	2.0	D-DAO	166	M8			467/II
113	545 <sub>1</sub>	11 14	Ha	15:39	1.6	17255	S16 W39	1B	3/3	441/II	
			SXR	15:39	2.0	D-FKC	098	M3			467/II
114	545 <sub>2</sub>	11 14	Ha	18:29	0.7	17255	S15 W44	1B	2+/3	441/II	
			SXR	18:29	2.0	D-FKC	098	M3			467/II
115	547 <sub>1</sub>	11 15	Ha	20:08E	0.9D	17255	S15 W52	1N?	-	441/II	
			SXR	20:08	2.0	D-FKI	098	M3			467/II
116	547 <sub>2</sub>	11 16	Ha	00:45	1.0	17255	S14 W53	1N	2/5	441/II	
			SXR	00:45	2.0	D-FKI	098	M1			467/II

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117	548 <sub>1</sub>	11 16	Ha	08:57	0.8	17266	N17 W03	2B	2/5	441/II
			SXR	08:57	2.0	BF-DSO	037	M4		467/II
118	549 <sub>1</sub>	11 17	Ha	07:51	1.3	17266	N18 W15	1N	1/5	441/II
			SXR	07:51	2.0	BF-DSO	037	M2		467/II
119	549 <sub>2</sub>	11 17	Ha	12:36	0.7	17268	N17 E21	SF	-	441/II
			SXR	12:36	2.0	B-ESI	002	M2		467/II
120	549 <sub>3</sub>	11 18	Ha	04:46	0.6	17281	N12 E53	1B	1/5	441/II
			SXR	04:46	2.0	D-EKI	314	C9		467/II
121	549 <sub>4</sub>	11 18	Ha	11:41	0.7	17181	N14 E49	1B	-	441/II
			SXR	11:41	2.0	D-EKI	314	C9		467/II
122	549 <sub>5</sub>	11 18	Ha	14:48	0.5	17268	N16 E04	SB	1+/5	441/II
			SXR	14:48	2.0	B-CAO	002	C9		467/II
123	549 <sub>6</sub>	11 19	Ha	03:22	1.0	17281	N12 E41	1N	1/3	441/II
			SXR	03:22	2.0	D-EKI	315	M6		467/II
124	549 <sub>7</sub>	11 19	Ha	12:36	1.1	17268	N17 W06	SB	1-/3	441/II
			SXR	12_36	2.0	D-CAO	359	C8		467/II
125	550 <sub>1</sub>	11 20	Ha	04:38	1.1	17281	N13 E25	1N	2/5	441/II
			SXR	04:38	2.0	B-EKI	315	C9		467/II
126	554 <sub>1</sub>	11 23	Ha	21:52	0.7	17281	N12 W21	SB	1-/3	441/II
			SXR	21:52	2.0	BP-EAI	315	C6		467/II
127	554 <sub>2</sub>	11 24	Ha	03:58	0.7	17278	S09 W43	1N	1-/1	441/II
			SXR	03:58	2.0	AP-CSO	338	C4		467/II
128	554 <sub>3</sub>	11 24	Ha	13:43	1.2	17281	N09 W25	1N	1/5	441/II
			SXR	13:43	2.0	BP-EAI	315	C6		467/II
129	555 <sub>1</sub>	12 02	Ha	05:35	1.5	17304	S13 E13	1N	1/3	470/II
			SXR	05:35	2.0	D-EKI	177	C8		442/II
130	555 <sub>2</sub>	12 02	Ha	11:15	1.0	17304	S13 E11	1B	3/5	441/II
			SXR	11:15	2.0	D-EKI	177	M8		467/II
131	555 <sub>3</sub>	12 02	Ha	12:25	0.9	17304	S13 E09	1N/M4	3/3	470/II
			Ha	13:30	1.3	17304	S14 E10	1B/M2		442/II
			SXR	12:25	3.5	D-EKI	177	M2		438/I
132	555 <sub>4</sub>	12 02	Ha	18:25	1.2	17304	S15 E06	SN	-	441/II
			SXR	18:25	2.0	D-EKI	177	C3		467/II
133	555 <sub>5</sub>	12 02	Ha	23:53	0.9	17304	S14 E02	1N	-	470/II
		12 03	Ha	00:19	0.3	17294	N19 W65	1N	-	442/II
			SXR	23:53	2.0	D-EKI	177	C6		438/I
	556	12 09	Ha	05:57	2.8	17307	S19 W40	2N	-	441/II
			SXR	05:57	3.5	AP-CAO	140	C6		467/II

## 1 9 8 0

	556	12 09	Ha	06:33	0.8	17314	S13 E23	SN	-	470/II
			SXR	06:33	2.0	B-EKI	070	C4		442/II
134	556 <sub>1</sub>	12 11	Ha	21:17	1.6	17310	S16 W42	1F	-	470/II
			SXR	21:17	2.0	AP-BX0	105	C6		442/II
135	556 <sub>2</sub>	12 11	Ha	22:19	0.4	17321	N13 E09	SN	1-/5	470/II
			SXR	22:19	2.0	BY-EKI	058	C8		442/II
136	557 <sub>1</sub>	12 12	Ha	15:46	1.0	17331	N16 E63	1N	2/3	470/II
			SXR	15:46	2.0	B-AXX	342	C8		442/II
137	557 <sub>2</sub>	12 12	Ha	16:54	1.4	17321	N13 E03	1B	2+/3	470/II
			SXR	16:54	2.0	BY-EKI	058	M1		442/II
138	557 <sub>3</sub>	12 13	Ha	04:33	1.3	17331	N15 E60	2B	1/3	470/II
			SXR	04:33	3.0	D-CRO	333	C6		442/II
139	560 <sub>1</sub>	12 17	Ha	02:34	1.8	17331	N10 E17	SF	-	470/II
			SXR	02-34	2.5	BP-ESI	339	C2		442/II
140	561 <sub>1</sub>	12 17	Ha	22:53	0.8	17321	N15 W62	SB	1-/3	470/II
			SXR	22:53	2.0	BP-F	047	C6		442/II
141	561 <sub>2</sub>	12 25	Ha	02:23	0.7	17352	S11 E66	1N	1/3	470/II
			SXR	02:23	2.0	B-BX0	178	C4		442/II
142	561 <sub>3</sub>	12 26	Ha	07:20	0.7	17348	S22 E33	1B	-	470/II
			SXR	07:20	2.0	BY-HX	201	M1		442/II
143	561 <sub>4</sub>	12 29	Ha	12:38	1.4	17348	S24 W12	2B	-	470/II
			SXR	12:38	2.0	BY-H	201	M1		442/II

## 1 9 8 1

144	562 <sub>1</sub>	01 05	Ha	20:22	0.6	17379	S16 E47	SN	-	470/II
			SXR	20:22	2.0	B-DRO	061	C6		443/II
	564	01 08	Ha	02 13	0.60	17388	N20 E41	1F?	1/3	470/II
			Ha	02:28U	0.70	17386	S06 E07	SN		443/II
			SXR	02:00	3.0	AP-DAO	016	C9		
145	564 <sub>1</sub>	01 08	Ha	12:22	0.8	17384	N08 E60	1N	2/3	470/II
			SXR	12:22	2.0	BP-DAO	0.18	C6		443/II
146	564 <sub>2</sub>	01 24	Ha	22:12E	0.40	17411	N19 W33	SF	1-/1	470/II
			SXR	22:12E	2.0	B-CRO	238	C3		443/II
	565	01 25	Ha	04:00	0.5	17428	S14 E90	1N	2/3	470/II
			Ha	04:59	2.0	17428	S15 E90	1N	1-/1	443/II
			SXR	04:00	3.0	B-DSO	100	M6		439/II
	565	01 25	Ha	07:23	0.7	17428	S14 E90	1N	1/3	470/II
			SXR	07:23	2.0	B-DSO	100	M3		443/II

TABLE 3

## MONTHLY COUNTS OF LDE FLARES IN THE 22ND CYCLE

Distribution due to their latitude, SXR class and SXR duration

Date	R	H-alpha		X 1-9	M 6-9	M 1-5	C 1-9	SXR duration (hr)			Sum of flares		SXR FI
		flare count	Disk-W North South					4.5 t <sub>3</sub>	2.5 t <sub>2</sub>	2.0 t <sub>1</sub>	C-X	M-X	
1 9 8 9													
Jan	161.3	689	W	7	11	50	22	3	39	48	90	68	1332
	235.4		N	0	1	12	16	0	13	16	29	13	146
			S	7	10	38	6	3	26	32	61	55	1186
Feb	165.1	539	W	3	2	23	32	3	21	36	60	28	582
	222.4		N	3	1	9	22	3	12	20	35	13	422
			S	0	1	14	10	0	9	16	25	15	160
Mar	131.4	658	W	11	5	44	28	8	34	46	88	60	1618
	205.1		N	11	5	36	22	7	30	37	74	52	1532
			S	0	0	8	6	1	4	9	14	8	086
Apr	130.6	485	W	1	0	3	24	1	13	14	28	4	154
	189.6		N	1	0	0	10	0	7	4	11	1	110
			S	0	0	3	14	1	6	10	17	3	044
May	138.5	686	W	2	3	23	40	3	29	36	68	28	500
	190.1		N	2	1	11	26	2	16	22	40	14	346
			S	0	2	12	14	1	13	14	28	14	154
Jun	196.2	971	W	6	4	36	31	4	27	46	77	46	1031
	239.6		N	1	2	10	12	3	10	12	25	13	232
			S	5	2	26	19	1	17	34	52	33	799
Jul	126.8	473	W	1	0	4	45	2	13	35	50	5	185
	181.9		N	1	0	1	28	1	7	22	30	2	138
			S	0	0	3	17	1	6	13	20	3	047
Aug	168.9	684	W	5	3	22	26	9	24	23	56	30	776
	217.1		N	0	0	3	10	2	6	5	13	3	040
			S	5	3	19	16	7	18	18	43	27	736

1 9 8 9

Sep	176.7	699	W	4	3	28	30	6	18	41	65	35	740
	225.9		N	0	1	9	8	1	0	17	19	10	108
			S	4	2	19	22	5	18	24	46	25	632
Oct	159.4	535	W	5	4	22	37	12	28	28	68	31	797
	208.7		N	0	0	7	19	2	14	10	26	7	089
			S	5	4	15	18	10	14	18	42	24	708
Nov	173.0	640	W	6	6	16	30	5	21	32	58	28	850
	235.1		N	6	5	14	20	3	19	23	45	25	810
			S	0	1	2	10	2	2	9	13	3	040
Dec	165.5	507	W	2	4	20	46	4	23	45	72	26	486
	213.0		N	0	0	6	28	0	9	25	34	6	088
			S	2	4	14	18	4	14	20	38	20	398

1 9 9 0

Jan	177.3	536	W	0	2	11	39	1	10	14	52	13	169
	210.1		N	0	0	2	19	0	3	18	21	2	039
			S	0	2	9	20	1	7	23	31	11	130
Feb	130.5	415	W	0	0	5	33	2	14	22	38	5	083
	178.3		N	0	0	4	18	1	8	13	22	4	058
			S	0	0	1	15	1	6	9	16	1	025
Mar	140.3	664	W	1	0	12	42	3	16	36	55	13	262
	188.8		N	1	0	3	21	2	8	15	25	4	151
			S	0	0	9	21	1	8	21	30	9	111

THE SIX-MONTH COUNTS OF LDE FLARES (1988-1989)

1988 <sub>1</sub>	70.9	1773	W	5	6	22	58	5	19	67	91	33	838
	117.5		N	0	0	5	24	0	6	23	29	5	074
			S	5	6	17	34	5	13	44	62	28	764
1988 <sub>2</sub>	129.2	2733	W	6	5	61	104	10	51	115	176	72	1364
	164.2		N	2	2	29	64	4	31	62	97	33	574
			S	4	3	32	40	6	20	53	79	39	790

1989 <sub>1</sub>	153.9	4028	W	30	25	179	177	22	163	226	411	234	5217
	213.7		N	18	10	78	108	15	88	111	214	106	2788
			S	12	15	101	69	7	75	115	197	128	2429
1989 <sub>2</sub>	161.7	3538	W	23	20	112	214	38	127	204	369	155	3834
	213.6		N	7	6	40	113	9	55	102	167	53	1273
			S	16	14	72	101	29	72	102	202	102	2561

THE YEARLY COUNTS OF LDE FLARES (1986-1989)

1986	13.4	730	W	2	3	9	16	6	13	11	30	14	336
	74.1		N	0	1	3	10	3	3	8	14	4	050
			S	2	2	6	6	3	10	3	16	10	286
1987	29.3	1626	W	0	0	10	33	2	15	26	43	10	133
	85.3		N	0	0	2	11	1	7	5	13	2	031
			S	0	0	8	22	1	8	21	30	8	102
1988	100.0	4506	W	11	11	83	162	15	70	182	267	105	2202
	141.0		N	2	2	34	88	4	37	85	126	38	648
			S	9	9	49	74	11	33	97	141	67	1554
1989	157.6	7566	W	53	45	291	391	60	290	430	780	389	9051
	231.7		N	25	16	118	221	24	143	213	381	159	4061
			S	28	29	173	170	36	147	227	399	230	4990

## 2. LDE FLARES IN THE 22ND CYCLE (TAB. 1)

Table 1 contains the LDE flare data for cycle 22 (February 1989-April 1990). A total of 1277 LDE flares were selected during the observed part of cycle 22 (1986-1990). The data of the first 432 LDE flares are given in previous papers (Antalová 1989, 1990a). The Catalogue numbering and the lay-out of Table 1 is identical with that of the Catalogue of LDE flares (Antalová 1987).

## 3. LDE FLARES IN THE 21ST CYCLE (TAB. 2)

All the LDE flares, which are published additionally in Table 2 are arranged in time sequence. Their Supplement number ties in with the catalogue number of the preceding LDE flare, as explained in detail in the remarks to the second column of the Supplement's tables (Antalová 1988).

## 4. THE MONTHLY COUNTS OF LDE FLARES IN THE CYCLE 22 (TAB. 3)

Figure 1 shows the distribution of the monthly numbers of LDE flares observed during the years of cycle 22 (Oct 1986 - April 1990). This involves a total of 1277 type (C-X) LDE flares, of which 549 i.e. 43 % were geoeffective, of (M-X) SXR classes. The geoactivity refers to SIDs.

Tables 3a-3c give the distribution of the LDE flares in terms of three parameters: a/ SXR importance of LDE flares, b/ overall duration of the SXR flare emission, c/ location of the LDE flare in the northern or southern solar hemisphere.

Table 3a give the monthly numbers of LDE flares in observed part of cycle 22.

Table 3b gives the semiannual values of the LDE flare occurrence.

Yearly numbers of LDE flares are given in Table 3c.

In the last column of Tables 3a-3c is given LDE flare index, which is calculated by the formula

$$(1) \quad FI = N_C + 10 \cdot N_M + 100 \cdot N_X$$

where  $N_C$ ,  $N_M$  and  $N_X$  are monthly (semiannual, or yearly numbers) of type C, type M and type X LDE flares, respectively. The lay-out of Table 3 is identical with that of the Monthly counts of LDE flares of cycle 20 and cycle 21 (Antalová 1990b).

## REFERENCES

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*Solar Geophysical Data Nos. 434-552, part I and part II.*