

CATALOGUE OF LDE FLARES (JANUARY 1969 - MARCH 1986)

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ABSTRACT. The catalogue of LDE flares contains data on 646 flares observed in the 20th and on 1029 flares observed in the 21st cycle of solar activity. LDE flares constitute an important subgroup of two-ribbon flares. They are characterized by a strong and long-lasting process of magnetic field reconnection, they produced accelerated protons which propagate into interplanetary space and generate SID's by enhanced shortwave emission.

КАТАЛОГ ВСПЫШЕК С МЕДЛЕННЫМ СПАДОМ МЯГКОГО РЕНТГЕНОВСКОГО ИЗЛУЧЕНИЯ (ЯНВАРЬ 1969 - МАРТ 1986). В каталоге ЛДЭ вспышек приводятся наблюдательные данные для 646 вспышек возникших в 20 - ом цикле (с 1969 года) и для 1029 вспышек, возникших в 21 - ом цикле солнечной активности. ЛДЭ вспышки являются весьма значительной подгруппой двухленточных вспышек. ЛДЭ вспышки выделяются мощным и долгодлительным процессом пересоединения магнитного поля, генерируют ускоренные протоны, которые направлены в межпланетарное пространство и с повышением коротковолнового излучения этих вспышек связан эффект SID.

KATALÓG LDE ERUPCIÍ (JANUÁR 1969 - MAREC 1986). Katalóg LDE erupcií obsahuje pozorovacie údaje o 646 erupciách pozorovaných v 20-tom a o 1029 erupciách pozorovaných v 21-vom cykle slnečnej aktivity. LDE erupcie tvoria významnú podskupinu dvojpruhových erupcií. Vyznačujú sa silným a dlhotrvajúcim procesom rekonexie magnetického poľa, produkujú urýchlené protóny, ktoré smerujú do medziplanetárneho priestoru a zvýšenou krátkovlnnou emisiou vyvolávajú SID.

1. INTRODUCTION

Flares with a slow and smooth decrease of intensity of soft X-rays (SXR) form a special subgroup of two-ribbon flares. They are briefly referred to as LDE flare (Long Duration Event). Their gradual phase lasts several hours (Kahler, 1977). Several authors have described LDE flares which have been analysed from a number of viewpoints (Kreplin et al., 1962; Tousey and Koomen, 1972; Sheeley et al., 1975; Krall et al., 1980; Antalová and Ogir, 1984; Ogir and Antalová, 1986; Hanaoka et al., 1986), but a definitive explanation of their essence has still not been presented. LDE flares, as opposed to the usual two-ribbon flares, are characterized by the formation of durable systems of post-flare magnetic loops. These arch above the neutral line of the longitudinal component of the magnetic field from the chromosphere to the corona. The current scenario of LDE flares (Priest, 1983, 1986) assume that the post-flare loops are generated as a result of field-line reconnection of the magnetic field which opened in some way at the beginning of the flare (model of Kopp and Pneuman, 1976). The magnetic field is probably opened up by a rising or lifting filament in some events (Švestka, 1976; Pneuman, 1979; Priest, 1983; Pneuman, 1984).

There are other observations of LDE flares in which filament remains in its pre-flare situation (De Jager and Švestka, 1985), or it does not occur in the region at all (Ogir and Antalová, 1986) which throws some doubt on the validity of the mechanism of field opening by the filament.

The study of LDE flares is important particularly from the following points of view:

a) The long-lasting post-flare loops, which form the basic structure of the gradual phase of LDE flares, are indicators of an intensive process of magnetic field reconnection. The reconnection schedule, localization of the post-flare loops in just a particular part of the flare ribbons, the energy pattern of the gradual phase and the homology of the LDE flares represent but a subjective selection of unsolved reconnection problems.

b) LDE flares are a source of accelerated protons. As opposed to gamma flares in which accelerated protons are directed towards the Sun's surface (Hudson, 1985), during LDE flares protons escape into interplanetary space. This follows from the observations of protons in the neighbourhood of the Earth after 53 parent LDE flares (Antalová, 1986). According to the old terminology, LDE flares are usually identified with proton flares. It is nearly certain that LDE flares are not the only type of flares which produces a recordable amount of protons in interplanetary space. The category of proton flares is broader and LDE flares are but one type which belongs to them. LDE flares are important with regard to forecasting proton showers.

c) LDE flares are a source of enhanced EUV and SXR emissions which last several hours. Practically all M-class flares (with an SXR flux of 10^{-5} to 10^{-4} Wm^{-2}) generates SID's (Sudden Ionospheric Disturbance).

The purpose of this study is to compile a complete list of LDE flares, ba-

sed on SXR observations published in Solar Geophysical Data (SGD) from 1969 to 1986. From the occurrence of LDE flares in the 20th and 21st activity cycles it should be possible to derive the conditions under which reconnection of the magnetic field takes place from a broader global viewpoint of solar activity.

2. SELECTION OF LDE FLARES

A homogeneous selection of LDE flares can only be made on the basis of continual monitoring of solar soft X-rays ($1 - 8 \text{ \AA}$) by satellites. A typical smooth decrease of SXR intensity in time will enable a homogeneous selection of LDE flares. Patrol H-alpha observations of flares are not suitable for this purpose, because the selection criteria are not sufficiently well known. The fact that the flare is a two-ribbon flare is not a sufficient condition. Not all two-ribbon flares have long-lasting post-flare loops.

On the other hand, the SXR observations made by patrol satellites of the Explorer, SMS, GOES and Prognoz type are integral and they monitor SXR from the solar disk as a whole. The detail spatial identification of LDE flares and of their magnetic structures can be effected by means of H-alpha observations, by means of the time coincidence of both events.

The LDE flares for the catalogue were chosen on the basis of daily observations of SXR by instruments installed on the following satellites:

January 1969 - April 1974

Solrad 9 - Explorer 37. Observations published in Solar Geophysical Data Nos 299 - 365, Part II.

July 1974 - December 1976

Synchronous Meteorological Satellite (SMS-1 and SMS-2), GOES-1 (Geostationary Operational Environmental Satellite). The observations of SXR were published by Donnelly (1981). The calibration and instrumental equipment of the GOES-type satellites (Unzicker and Donnelly, 1974; Donnelly et al., 1977; Bouwer et al., 1982) enable the temperature variations in post-flare loops to be calculated (Thomas et al., 1985; Schmahl et al., 1986).

January 1977 - December 1980

Synchronous Meteorological Satellite SMS-2 and GOES-1, GOES-2 and GOES-3. Observations published by Donnelly and Bouwer (1981).

September 1978 - May 1983

SMS and GOES-2 whose observations were published in SGD 416/part II to 471/II. From May 16, 1983, GOES-2 satellite data are not longer available.

October 1983 - March 1986

From October 1982 solar soft X-ray radiation data are available from satellite GOES-5.

3. CATALOGUE OF LDE FLARES (TABS 1 AND 2)

A total of 646 LDE flares were selected in the years 1969 - 1976 (during the decreasing part of the 20th solar cycle) and these are given in Tab. 1.

Table 2 gives the data for 1029 LDE flares observed during solar activity cycle 21.

Tables 1 and 2 are arranged as follows:

- Column 1: Current catalogue number of LDE flare.
- Column 2: Date (month, day) of LDE flare.
- Column 3: The type of observation (Ha - H-alpha, SXR - Soft X-ray).
- Column 4: Beginning of LDE flare in UT.
- Column 5: Duration of event in hours.
- Column 6: Number of parent active region of LDE flare according to SGD.
- Column 7: Heliocentric position of LDE flare, the second line giving the heliographic longitude of LDE flare.
- Column 8: Importance of LDE flare in H-alpha and the second line giving SXR class according to the maximum radiation value in the wavelength interval of 1 to 8 Å : $10^{-6} \leq C \leq 10^{-5} \text{ Wm}^{-2}$; $10^{-5} \leq M \leq 10^{-4} \text{ Wm}^{-2}$; $10^{-4} \leq X$.
- Column 9: Sudden Ionospheric Disturbance (SID). SID importance is expressed on a scale of 1 (weakest) to 3+ (most intensive events). The second number is the wide spread index which ranges from 1 to 5 (which indicates at how many observatories the event was recorded, from 1 to all).
- Column 10: Reference.

The statistical analysis of LDE flares listed in Tabs 1 and 2 will be published by author in the Bulletin of the Astronomical Institutes of Czechoslovakia 38 (1987).

Regional distribution of LDE flares is given in Tabs. 3 and 4.

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Table 1

Long decay Soft X-ray flares in the 20th cycle
(January 1969 - May 1976)

No	Date	Event	Start UT	Dur hr	Group No	Position	Imp	SID	Ref
1969									
01	01 04	Ha	20:35	0.8	9855	N27 E53	2B	/5	295/I
		SXR	20:50	2.0	AP	302	X1		299/II
02	01 09	Ha	13:24	0.8	9861	S15 E38	1N	/5	295/I
		SXR	13:20	2.5	D	254	M1		299/II
03	01 21	Ha	06:57	1.4	9879	N24 E38	1N	-	295/I
		SXR	06:50	2.5	BF	129	M1		299/II
04	01 24	Ha	07:06	2.0		N20 W09	2B	/5	295/I
		SXR	07:00	5.0	AP	104	M9	PCA	299/II
05	02 05	Ha	13:09	1.6	9909	N03 E01	1N	-	300/II
		SXR	12:59	2.0	BP	295	C4		296/I
06	02 06	Ha	07:16	1.1	9911	N13 E28	1N	/5	296/I
		SXR	07:26	2.5	AP	260	M1		300/II
07	02 11	Ha	10:37	0.3	9909	S00 W77	1B	/5	296/I
		SXR	10:35	3.0	AP	295	M5		300/II
08	02 20	Ha	06:19	1.6	9946	N15 E38	2B	1/5	296/I
		SXR	06:18	2.0	BP	075	M8		300/II
09	02 24	Ha	23:06	1.0	9946	N12 W32	2B	2+/5	296/I
		SXR	23:06	3.0	BP	075	X1	PCA	300/II
10	02 25	Ha	09:03	1.2	9946	N13 W37	2B	1/5	296/I
		SXR	08:56	?	BP	075	M9		300/II
11	02 26	Ha	04:19	0.8	9946	N13 W46	2B	2/5	296/I
		SXR	04:14	2.0	BP	075	X2	PCA	300/II
12	02 26	Ha	05:50	0.6	9946	N13 W46	1N	2/5	296/I
		SXR	05:48	2.0	BP	075	M9		300/II
13	02 27	Ha	13:52	1.3	9946	N13 W65	2B	/5	296/I
		SXR	13:56	4.0	D	075	X2	PCA	300/II
14	03 10	Ha	08:13	0.1	9984	N20 E16	SF	2+/5	297/I
		SXR	08:00	2.0	AP	210	M2		301/II
15	03 12	Ha	17:38	0.6	9966	N12 W80	2B	1/5	297/I
		SXR	17:30	4.0	BP	272	X2	PCA	301/II

Table 1 continued

1969

16	03 18	SXR	18:30	2.5	-	-	X1		301/II
17	03 21	Ha	01:41	1.8	9994	N19 E16	2N	3-/5	297/I
		SXR	01:30	3.0	BP	074	X2		301/II
18	03 21	Ha	13:07	2.1	9994	N19 E09	2B	3/5	297/I
		SXR	13:30	2.0	BP	074	X3	PCA	301/II
19	03 23	Ha	06:28	1.3	9994	N20 W13	1N	2/5	297/I
		SXR	06:30	3.5	AP	077	X1		301/II
20	03 26	SXR	13:30	2.0	-	-	M8	1/5	297/I
21	03 27	Ha	01:37	0.8	9994	N20 W64	1N	2+/5	297/I
		SXR	01:00	3.0	AP	077	M9		301/II
22	03 27	Ha	13:23	1.0	9994	N21 W68	2B	2-/5	297/I
		SXR	13:23	4.0	AP	077	X3		301/II
23	03 30	Ha	03:11	0.4	10014	N10 E53	SN	2-/5	297/I
		SXR	02:50	4.0	BP	277	X2		301/II
24	04 02	Ha	18:17	1.3	10011	N26 W22	2F	2+/3	298/I
		SXR	18:20	4.0	AP	302	M2		302/II
25	04 10	Ha	03:30	0.6	10030	S06 E84	1N	2+/5	298/I
		SXR	03:50	3.0	BP	113	X1		302/II
26	04 21	Ha	08:08	1.1	10035	N21 W28	1N	2+/5	298/I
		SXR	08:00	6.0	AP	059	M3		302/II
27	04 21	Ha	20:05	1.0	10035	N24 W32	3B	2+/5	298/I
		SXR	20:10	3.0	AP	059	M9		302/II
28	04 24	Ha	03:08	1.5	10035	N23 W64	2N	2+/5	298/I
		SXR	03:10	9.0	AP	056	X1		302/II
29	04 26	Ha	22:58	1.0	10057	N08 E38	2N	2+/5	298/I
		SXR	23:00	2.5	BP	276	M9		302/II
30	05 05	Ha	09:27	0.9	10057	N08 W72	2N	1/5	298/I
		SXR	09:00	4.0	AP	276	C9		303/II
31	05 06	Ha	02:34	1.0	10078	S31 E67	1B	2/5	299/I
		SXR	02:40	2.5	AP	130	M8		303/II
32	05 06	SXR	06:40	2.0	-	-	M4	1/5	303/II
33	05 12	Ha	05:31	1.2	10088	N15 E40	2N	1/1	299/I
		Ha	06:55	0.6	10088	N14 E37	2N		303/II
		Ha	08:02	0.5	10084	S17 E18	1N		
		SXR	05:20	4.0+2.0	BP	081	M1		
34	05 22	Ha	19:00	0.5	10109	N12 E40	2B	2-/5	299/I
		SXR	19:00	4.0	BP	314	M9		303/II

Table 1 continued

1969

35	05 31	SXR	19:00	2.0	-	-	M4	2+/5	303/II
36	05 31	SXR	21:00	3.5	-	-	M8	3/5	303/II
37	06 03	SXR	20:00	3.0	-	-	-	1-/5	304/II
38	06 05	Ha	09:53	1.0	10134	N12 E63	3B	3+/5	299/I
		SXR	09:54	4.0	AP	104	X-		304/II
39	06 05	Ha	14:46	1.7	10134	N10 E57	2B	2-/5	300/I
		SXR	14:50	4.0	AP	104	X-		304/II
40	06 06	Ha	09:50	0.9	10135	S16 E54	2N	3/5	300/I
		SXR	09:50	3.0	BP	089	X-		304/II
41	06 06	Ha	23:03	0.7	10135	S16 E46	1N	1/5	300/I
		SXR	23:10	3.0	BP	089	X-		304/II
42	06 07	Ha	09:31	1.4	10134	N12 E34	1N	?	300/I
		SXR	10:00	2.0	AP	089	M9	PCA	304/II
43	06 11	Ha	16:16	1.1	10134	N10 W20	2B	2+/5	300/I
		SXR	16:10	3.0	AP	089	M9		304/II
44	06 13	Ha	15:50	2.3	10146	S24 E69	2B	3/5	300/I
		SXR	15:45	5.0	AP	346	M5		304/II
45	06 19	Ha	17:45	1.1	10148	N09 E01	1N		300/I
		SXR	17:45	3.5	AP		C8		304/II
46	07 03	Ha	15:15	0.5	10166	S11 W33	1B	2/5	301/I
		SXR	15:14	2.0	BP	177	X-		305/II
47	07 12	Ha	14:21	0.6	10181	S19 W67	1N	1/5	301/I
		SXR	14:20	2.0	AP	096	M9		305/II
48	07 16	Ha	17:44	0.5	10197	N22 W41	SN		301/I
		SXR	17:51	3.0			M4		305/II
49	08 01	Ha	02:30	0.9	10232	S11 E00	1N		302/I
		SXR	02:28	1.5	D	126	M2		306/II
50	08 01	Ha	13:47	0.8	10232	S10 W06	1N		302/I
		SXR	13:49	2.0	D	126	M2		306/II
51	08 01	Ha	21:10	1.3	10232	S10 W11	1B		302/I
		SXR	21:10	2.0	D	126	M1		306/II
52	08 18	Ha	22:04	0.9	10262	S15 W53	1B		302/I
		SXR	22:06	3.0	0	306	C4		306/II
53	08 20	SXR	08:49	3.0	-	-	C9		306/II
54	08 26	Ha	19:36	0.9	10289	N02 E76	1N		302/I
		SXR	19:36	2.0	BF	079	M2		306/II

Table 1 continued

1969									
55	09 05	Ha	22:06	0.5	10289	N04 W71	1N	1+/5	303/I
		SXR	22:07	3.5	B	084	M4		307/II
56	09 07	Ha	10:20	0.4	10304	S34 E28	1F	2-/5	303/I
		SXR	10:18	3.0	BF	326	M2		307/II
57	09 12	Ha	15:09	0.5	10304	S32 W42	1N	2+/5	303/I
		SXR	15:10	2.0	BY	325	M2		307/II
58	09 13	Ha	01:11	0.6	10304	S32 W47	1B	1/5	303/I
		SXR	01:10	2.5	BY	325	M6		307/II
59	09 15	Ha	03:38	0.6	10304	S31 W80	1F	1+/5	303/I
		SXR	03:33	2.0	BY	325	M4		307/II
60	09 15	Ha	12:25	0.7	10309	S18 W03	1B	2/5	303/I
		SXR	12:23	2.0	D	248	M3		307/II
61	09 24	Ha	01:13	0.6	10335	N14 E70	1B		303/I
		SXR	01:10	2.0	BP	066	M2		307/II
62	09 24	Ha	10:15	0.9	10337	S19 E79	1N	2-/5	303/I
		Ha	10:47	0.1	10335	N09 E65	1F		307/II
		SXR	10:46	2.0			M3		
63	09 25	SXR	01:50	2.0	-	-	M1	2/1	307/II
64	09 25	Ha	14:17	0.6	10325	N06 W40	1N	1/5	303/I
		SXR	14:21	3.5	B	151	M1		307/II
65	09 27	Ha	03:47	2.0	10333	N09 E02	3B	2+/5	303/I
		SXR	03:40	6.0	BP	090	X1		307/II
66	09 28	Ha	03:26	0.5	10325	N06 W77	1N	1/1	303/I
		SXR	03:XX	4.0		150	M2		307/II
67	10 01	Ha	07:54	0.9	10333	N07 W59	1N	-	304/I
		SXR	07:50	2.0	D	090	M2		308/II
68	10 09	Ha	20:56	0.9	10351	N17 W52	SN	2-/5	304/I
		SXR	20:56	2.0	BY	335	M2		308/II
69	10 11	Ha	23:28E	0.4D	10351	N14 W85	1B	2-/5	304/I
		SXR	23:20	2.0	D	333	M3		308/II
70	10 17	SXR	09:13	2.0	-	-	M2	1+/5	308/II
71	10 17	SXR	23:50	2.0	-	-	M2	1/1	308/II
72	10 19	Ha	12:00	0.8	10385	N10 E86	1N	2-/5	304/I
		SXR	11:50	2.0	AF	070	M4		308/II
73	10 20	Ha	03:30	0.4	10385	N10 E80	1F	3/5	304/I
		SXR	03:00	3.0	D	068	M6		308/II

Table 1 continued

1969									
74	10 20	Ha	22:55	1.0	10385	N14 E73	1N	1+/5	304/I
		SXR	22:50	2.0	D	068	M4		308/II
75	10 24	Ha	07:35	1.7	10385	N11 E27	2N	1+/5	304/I
		SXR	07:30	2.5	D	066	M4		308/II
76	10 30	Ha	09:27	0.7	10385	N08 W57	2N	2+/5	304/I
		SXR	09:26	2.0	BP	073	M7		308/II
77	10 18	SXR	00:01	2.0	-	-	M2	/1	308/II
78	10 26	Ha	16:33	1.5	10385	N09 W11	SF	2-/5	304/I
		SXR	16:28	2.5	D	066	M3		308/II
79	11 02	Ha	09:39	1.8	10385	N15 W90	1F	3/5	305/I
		SXR	09:49	7.0	AP	073	X3		309/II
80	11 04	Ha	04:12	0.5	10411	N08 E89	1N		305/I
		SXR	04:10	2.0	D	224	X2		309/II
81	11 17	Ha	17:04	0.27	10432	N13 E55	SF	2+/5	305/I
		SXR	17:01	4.0	D	075	M3		309/II
82	11 18	Ha	16:35	1.1	10432	N14 E40	2B	3+/5	305/I
		SXR	15:49	4.0	BY	075	X5		309/II
83	11 19	Ha	05:30	0.6	10432	N14 E33	1B	1+/5	305/I
		SXR	05:20	3.0	D	075	X5		309/II
84	11 19	Ha	18:51	0.9	10432	N13 E25	S8	3+/5	305/I
		SXR	18:50	3.0	D	075	X1		309/II
85	11 21	Ha	21:20	1.0	10432	N08 W03	2B	2+/1	305/I
		SXR	21:19	3.0	D	075	X1		309/II
86	11 22	Ha	21:17	1.0	10432	N10 W14	2B	1+/1	305/I
		SXR	21:08	2.0	D	075	X1		309/II
87	11 23	Ha	09:58	1.5	10432	N15 W19	1B	3/5	305/I
		SXR	09:56	2.5	D	075	X3		309/II
88	11 23	Ha	15:21	1.5	10432	N10 W24	1N	/5	305/I
		SXR	15:21	2.0	D	075	M3		309/II
89	11 24	Ha	09:17	0.9	10432	N15 W31	2N	3+/5	305/I
		SXR	09:15	4.0	D	075	X5		309/II
90	11 24	Ha	11:38	0.6	10432	N09 W 44	1N	3-/5	305/I
		SXR	11:40	3.0	D	075	M9		309/II
91	11 25	Ha	22:20	1.0	10432	N07 W57	2N	/1	305/I
		SXR	22:21	2.0	D	075	M3		309/II
92	11 26	Ha	14:29	0.6	10432	N14 W69	1N	/5	305/I
		SXR	14:27	2.5	D	075	M3		309/II

Table 1 continued

1969									
93	11 27	SXR	00:51	6.0	-	-	M3	-	309/II
94	11 27	Ha	19:28	0.8	10432	N18 W83	2B	3/5	305/I
		SXR	19:18	2.0	D	075	X5		309/II
95	11 28	Ha	15:24	0.4	10432	N10 W90	SN	/3	305/I
		SXR	14:30	2.5	-	075	X1		309/II
96	11 28	SXR	19:50	4.0	10432?	-	X4	3+/5	309/II
97	11 29	SXR	10:55	3.5	10432?	-	M2	1/5	309/II
98	12 02	Ha	17:38	2.3	10459	N18 E57	1N	1+/5	306/I
		SXR	17:46	4.0	AP	237	M2		310/II
99	12 12	SXR	18:07	2.5	-	-	M2	2+/5	310/II
100	12 14	Ha	03:36	0.7	10477	N13 E68	2N	1/1	306/I
		SXR	03:38	3.0	AP	065	M3		310/II
101	12 17	Ha	00:32	2.3	10477	N10 E38	2B	2+/5	306/I
		SXR	00:38	4.0	D	065	M3		310/II
102	12 19	Ha	04:13	1.1	10478	S12 W15	1N	1/1	306/I
		SXR	04:22	2.0	BP	090	M2		310/II
103	12 30	SXR	19:21	3.0	-	-	M3	1-/5	310/II
1970									
104	01 10	SXR	03:48	2.0	-	-	M2	1+/3	311/II
105	01 24	SXR	06:57	4.0	-	-	M3	1+/5	311/II
106	01 26	Ha	22:35	0.5D	10542	S14 W06	1N	1-/5	307/I
		SXR	22:52E	2.0	BY	292	M1		311/II
107	01 28	Ha	00:50	0.6	10542	S15 W23	SB	1-/5	307/I
		SXR	01:07E	2.0	D	293	M1		311/II
108	01 28	Ha	06:08	0.7	10542	S14 W34	2N	2/5	307/I
		SXR	06:08	3.0	D	293	M9		311/II
109	01 28	Ha	19:10	1.2	10542	S14 W33	2B	3/5	307/I
		SXR	19:10	4.0	D	293	X5		311/II
110	01 29	Ha	20:12	1.0	10542	S14 W45	1N	2/5	307/I
		SXR	20:15	2.0	AP	290	M4		311/II
111	01 31	Ha	15:15	1.0	10542	S23 W62	2B	2/5	307/I
		SXR	15:13	6.0	AP	290	M4		311/II
112	02 02	Ha	21:43	1.8	10568	N19 E90	1B	2+/5	308/I
		SXR	21:28	3.5	BP	087	M9		312/II
113	02 09	Ha	06:20	0.7	10568	N19 E20	1N	2+/5	308/I
		SXR	06:22	2.5	BP	088	X1		312/II

Table 1 continued

1970

114	02 11	Ha	02:07	0.5	10568	N19 W04	SB	2+/5	308/I
		Ha	02:17	1.0	10568	N19 W04	2B		312/II
		SXR	02:05	3.0	BP	088	M9		
115	02 11	Ha	07:10	1.5	10568	N18W04	2B	2+/5	308/I
		SXR	07:12	3.0	BP	088	X5		312/II
116	02 11	Ha	21:10	2.4	10568	N19 W12	2B	2+/5	308/I
		SXR	21:10	3.0	BP	088	X5		312/II
117	02 12	Ha	00:02	1.4	10568	N18 W17	1N	3-/5	308/I
		SXR	00:01E	2.0	D	088	X1		312/II
118	02 12	Ha	07:46	1.0	10568	N18 W20	1B	1+/5	308/I
		SXR	08:05	2.5	D	088	M5		312/II
119	02 13	Ha	22:42	0.7	10568	N19 W41	1F	1+/5	308/I
		SXR	22:30E	2.5	D	090	M2		312/II
120	02 18	Ha	04:31	0.6	10571	S19 E60	1N	2/5	308/I
		SXR	04:31	2.0	AF	066	M2		312/II
121	02 19	Ha	03:23	1.0	10584	S18 E48	1B	2-/5	308/I
		SXR	03:25	3.0	D	300	M4		312/II
122	02 20	Ha	09:43	1.1	10584	S17 E31	2B	2+/5	308/I
		SXR	09:44	5.0	AP	303	X1		312/II
123	02 27	Ha	23:18	-	10607	N08 E70	1B	3-/5	308/I
		SXR	23:19	2.0			X2		312/II
124	02 28	Ha	19:08	1.7	10607	N07 E58	SB	2+/5	308/I
		SXR	19:08	2.0			M9		312/II
125	03 01	Ha	11:01	0.5	10607	N07 E50	1N	2/3	309/I
		Ha	11:43	1.5	10595	N14 W33	2N		313/II
		SXR	11:09	3.0	BY	237	M9		
126	03 02	Ha	13:17	1.6	10607	N08 E35	1N	2/5	309/I
		SXR	13:23E	5.0	BP	155	M6		313/II
127	03 03	Ha	20:32	0.9	10595	N16 W65	1B	2/5	309/I
		SXR	20:34E	2.0	BY	237	M9		313/II
128	03 05	Ha	04:07	1.6	10618	S15 E71	1B	3/3	309/I
		SXR	04:18	5.0	B	101	M8		313/II
129	03 05	Ha	18:22	0.8	10595	N11 W90	SF	1+/3	309/I
		SXR	18:29E	2.0	BY	237	M4		313/II
130	03 06	SXR	09:34	2.0	-	-	M5	3/5	313/II
131	03 06	SXR	12:31E	5.0	-	-	M3	3/3	313/II
132	03 07	Ha	01:38	1.9	10614	S12 E10	2B	2/5	309/I
		SXR	01:43	2.5	BP	123	M5		313/II

Table 1 continued

1970

133	03 07	Ha	16:01	0.6	10618	S14 E45	1N	2+/5	309/I
		SXR	16:25E	3.0	BP	097	M2		313/II
134	03 10	Ha	06:54	1.6	10618	S15 E10	1N	1/3	309/I
		SXR	07:00	3.0	BP	103	M2		313/II
135	03 12	Ha	03:06	0.6	10618	S14 W46	2N	1/1	309/I
		SXR	03:07	2.0	BP	078	M6		313/II
136	03 20	Ha	17:04	0.8	10641	N13 E72	1N	2/5	309/I
		SXR	17:10	2.5	AP	255	M1		313/II
137	03 21	Ha	00:31	2.4	10641	N18 E67	2F	1/3	309/I
		SXR	00:48	3.0	D	255	M2		313/II
138	03 23	Ha	15:45	0.5	10638	N18 W62	1N	1+/5	309/I
		SXR	15:47	2.0	BF	337	M4		313/II
139	03 24	Ha	09:20	0.5	10638	N16 W75	1B	2/5	309/I
		SXR	09:22	2.0	AP	338	M6		313/II
140	03 24	Ha	16:27	1.0	10641	N14 E06	1N	1+/5	309/I
		SXR	16:20	2.0	BY	239	M2		313/II
141	03 25	Ha	12:02	2.5	10641	N14 E10	1B	3-/5	309/I
		SXR	12:06	3.5	BF	238	X1		313/II
142	03 26	Ha	20:06	1.0	10652	N06 E66	1B	2/5	309/I
		SXR	20:08	2.0	D	161	M9		313/II
143	03 29	Ha	00:10	1.8	10641	N13 W36	2B	2+/5	309/I
		SXR	00:36	3.5	BP	255	X2		313/II
144	03 31	Ha	17:53	1.1	10654	S12 E45	2B	2/5	309/I
		SXR	18:08E	2.0			M2		313/II
145	04 05	Ha	13:33	1.1	10669	S12 E49	1N	2/5	310/I
		SXR	13:34	2.5	BY	053	M2		314/II
146	04 06	Ha	12:33	1.3	10669	S13 E38	2N	2/5	310/I
		SXR	12:49	3.5	D	054	M4		314/II
147	04 06	Ha	19:48	1.3	10669	S13 E32	1N	3/5	310/I
		SXR	19:53	4.0	D	054	M4		314/II
148	04 07	Ha	18:44	2.1	10669	S08 E19	SF	2+/5	310/I
		SXR	18:30	2.5	D	052	M3		314/II
149	04 08	Ha	15:43	0.6	10675	N18 E56	SN	2/5	310/I
		SXR	15:40	2.0	BY	051	M2		314/II
150	04 10	Ha	16:26	0.6	10669	S13 W19	1B	2/5	310/I
		SXR	16:29	3.0	D	055	M4		314/II

Table 1 continued

1970

151	04 12	Ha	17:13	1.5	10670	N10 W50	1B	2+/5	310/I
		SXR	17:14	4.0	D	055	M8		314/II
152	04 15	Ha	04:13	1.3	10670	N15 W85	2B	3/5	310/I
		SXR	04:16	3.0	D	058	X2.3		314/II
153	04 19	SXR	18:23	2.0	?	?	M3	1+/5	314/II
154	04 25	Ha	00:37	0.3	10684	N05 W73	1B	2/5	310/I
		SXR	00:37	2.0	AP	284	M7		314/II
155	05 01	Ha	14:26	0.6	10709	S13 E10	1N	1/5	311/I
		SXR	14:27	2.0	AP	096	C7		315/II
156	05 08	Ha	06:56	1.2	10725	N14 E23	2B	2+/5	311/I
		SXR	06:59	2.0	BP	010	M6		315/II
157	05 10	SXR	22:43	2.0	-	-	M2	1+/5	315/II
158	05 12	Ha	07:18	0.8	10743	N16 E82	1N	2+/5	311/I
		SXR	07:30	2.0	AF	359	M6		315/II
159	05 14	Ha	22:14	0.9	10740	S08 W03	2N	2-/5	311/I
		SXR	22:11	2.0	D	307	M4		315/II
160	05 15	Ha	01:59	1.4	10740	S09 W06	1B	2/5	311/I
		SXR	02:48	2.0	D	308	M9		315/II
161	05 15	Ha	09:25	0.7	10740	S09 W11	1N	3-/5	311/I
		SXR	09:24	2.0	D	308	M8		315/II
162	05 16	Ha	21:28	0.6	10740	S07 W31	S3	2-/5	311/I
		SXR	21:28	2.0	D	307	M3		315/II
163	05 25	SXR	05:26	3.0	-	-	M1	1+/5	315/II
164	05 30	Ha	02:48	2.6	10760	S08 W32	2N	3-/5	311/I
		SXR	02:36	5.0	D	137	M4		315/II
165	05 31	Ha	02:35	0.9	10760	S08 W47	1N	1/3	311/I
		SXR	02:37	4.0	BY	137	C7		315/II
166	06 02	Ha	06:22	0.7	10760	S08 W76	2N	2/5	312/I
		SXR	06:10	4.5			M2		316/II
167	06 05	SXR	11:03	5.0	-	-	C3	-	316/II
168	06 05	SXR	19:14	3.0	-	-	M1	1-/3	316/II
169	06 06	SXR	19:16	3.0	-	-	M2	1+/5	316/II
170	06 07	SXR	00:23	2.0	-	-	C8	1-/3	316/II
171	06 07	Ha	07:05	0.5	10781	N17 E80	1B	2/5	312/I
		SXR	07:06	3.5	AP	266	M6		316/II
172	06 07	Ha	22:56	0.2	10781	N16 E81	SN	1-/3	312/I
		SXR	22:54	4.0	AP	266	C7		316/II

Table 1 continued

1970

173	06 10	Ha	00:42	0.5	10781	N25 E81	SB	-	312/I
		SXR	00:47	2.0	BY	264	C4		316/II
174	06 12	Ha	06:20	0.6	10789	N18 E65	1N	2/5	312/I
		SXR	06:20	2.0	D	222	M3		316/II
175	06 12	Ha	14:38	0.8	10789	N18 E60	1B	2/5	312/I
		SXR	14:35	2.0	D	222	M5		316/II
176	06 12	Ha	21:10	1.3	10774	S14 W27	1N	1-/3	312/I
		SXR	21:12	2.0	AP	304	M2		316/II
177	06 13	Ha	12:28	0.2	10789	N18 E50	1B	2/5	312/I
		SXR	12:27	2.5	D	222	X3		316/II
178	06 14	Ha	14:19	1.1	10789	N18 E35	1B	1+/3	312/I
		SXR	14:20	2.5	D	221	M9		316/II
179	06 14	Ha	16:58	1.8	10789	N19 E39	1B	3/5	312/I
		SXR	17:03	2.0	D	221	X2		316/II
180	06 15	Ha	02:38	0.6	10789	N19 E30	SB	1+/3	312/I
		SXR	02:48	2.0	D	222	X1		316/II
181	06 15	Ha	13:07	0.4	10789	N18 E22	1N	2/5	312/I
		Ha	13:16	0.9	10781	N15 E04	2B		316/II
		SXR	13:17	2.0	D	222	X3		
182	06 16	Ha	07:05	0.6	10789	N18 E14	1N	1/5	312/I
		SXR	06:56	2.0	Y	224	M6		316/II
183	06 17	Ha	01:22	0.5	10789	N19 E05	1B	2/3	312/I
		SXR	01:27	2.0	BP	223	M7		316/II
184	06 17	Ha	11:54	0.6	10789	N18 W04	SN	2-/3	312/I
		SXR	11:52	2.0	BP	223	M2		316/II
185	06 25	Ha	07:11	1.7	10798	S06 W26	1N	-	312/I
		SXR	07:10	4.0	AP	149	M1		316/II
186	06 25	Ha	18:33	1.1	10801	N10 E11	2B	1/5	312/I
		SXR	18:35	2.0	BY	102	M3		316/II
187	06 28	Ha	19:45	1.0	10808	N18 E24	1B	3-/5	312/I
		SXR	19:50	2.5			X3.3		316/II
188	06 29	Ha	12:07	1.5	10808	N20 E15	1B	1/5	312/I
		SXR	12:10	2.0			X1.0		316/II
189	06 30	Ha	17:55	0.5	10808	N22 E04	SN	1-/3	312/I
		SXR	17:44	3.5			M2		316/II
190	07 02	Ha	18:05	0.6	10814	N27 E53	SF	1/3	313/I
		SXR	18:05	2.0	BP	312	C9		317/II

Table 1 continued

1970

191	07 02	Ha	23:14	1.3	10812	S07 E17	1B	1+/5	313/I
		SXR	23:17	2.0	D	358	M3		317/II
192	07 03	Ha	19:30	0.5	10812	S08 E07	S3	1/5	313/II
		SXR	19:22	2.0	D	358	M2		317/II
193	07 04	Ha	19:55	1.6	10812	S06 W07	1N	2/5	313/I
		SXR	19:53E	2.5	D	358	M3		317/II
194	07 06	Ha	21:35	1.0	10808	N22 W90	1B	2/5	313/I
		SXR	21:37	2.0	BP	041	M9		317/II
195	07 07	Ha	16:54	0.4	10815	S09 W14	SF	2+/5	313/I
		SXR	16:51	2.0	BP	317	M6		317/II
196	07 09	Ha	22:02	0.7	10815	S06 W35	SF	-	313/I
		SXR	21:44	3.0	BP	318	C7		317/II
197	07 11	Ha	01:10	0.5	10832	S18 E75	1N	1+/5	313/I
		SXR	01:03E	2.0	B	194	M3		317/II
198	07 14	SXR	06:29	2.5	-	-	C9	1/5	317/II
199	07 18	SXR	20:35	3.0	-	-	C9	-	317/II
200	07 19	Ha	00:52	0.8	10845	N08 E69	1B	3/5	313/I
		SXR	00:54E	2.5	BY	091	M7		317/II
201	07 19	Ha	23:45	0.4	10845	N04 E64	SF	-	313/I
		SXR	23:52E	3.0	BY	091	C7		317/II
202	07 20	Ha	11:09	1.5	10845	N08 E55	2B	3/5	313/I
		SXR	11:20E	3.5	BY	092	X4.9		317/II
203	07 20	Ha	20:30	0.6	10845	N05 E43	SN	1/5	313/I
		SXR	20:12	2.0	BY	092	M3		317/II
204	07 21	Ha	04:40	2.0	10845	N08 E46	1F	2/5	313/I
		SXR	04:39	2.0	BY	091	M2		317/II
205	07 22	Ha	00:23	1.1	10845	N09 E32	1B	2+/5	313/I
		SXR	00:24	2.5	BY	092	X1.4		317/II
206	07 22	Ha	08:03	0.7	10845	N07 E22	SN	2/5	313/I
		SXR	08:07	2.0	BY	092	M1		317/II
207	07 23	Ha	10:31	1.1	10845	N10 E13	1N	2-/3	313/I
		SXR	10:29	2.0	BY	092	M3		317/II
208	07 23	Ha	18:32	1.8	10845	N09 E09	1B	2+/5	313/I
		SXR	18:36	2.0	BY	092	X2.0		317/II
209	07 26	Ha	06:37	1.2	10845	N07 W33	1B	2/5	313/I
		SXR	06:45E	2.0	D	094	M3		317/II
210	07 27	Ha	01:18	1.1	10851	N05 E30	1N	2-/3	313/I

Table 1 continued

1970								
210	07 27	SXR	01:16	2.0	BP	025	M4	317/II
211	07 27	Ha	07:21	1.3	10845	N11 W38	1N	3-/5 313/I
		SXR	07:22	2.5	BF	087	M4	317/II
212	07 28	SXR	01:23E	2.0	-	-	C6	1-/1 317/II
213	07 29	Ha	01:54	1.2	10845	N13 W63	1N	1-/3 313/I
		SXR	01:59E	2.5	A	089	M1	317/II
214	07 30	Ha	19:27	2.6	10847	S22 W37	1N	1/3 313/I
		SXR	21:12	2.0	BP	046	C6	317/II
215	08 01	Ha	10:25	1.8	10851	N05 W40	2B	2/3 314/I
		SXR	10:41	3.5	BP	024	M4	318/II
216	08 03	Ha	01:19	0.5	10846	N17 W85	1B	1-/3 314/I
		SXR	01:19	2.0	AP	041	M1	318/II
217	08 11	SXR	23:28	3.5	10882?	N11 E103?	M5	318/II
218	08 12	Ha	20:21	1.1	10882	N11 E90	1B	3-/5 314/I
		SXR	20:05	3.0	-	089	X4.9	318/II
219	08 14	Ha	16:03	1.1	10882	N11 E74	1B	3-/5 314/I
		SXR	16:17	5.0	D	094	X4.4	318/II
220	08 14	Ha	23:05	0.5	10865	N18 W82	SN	2-/5 314/I
		SXR	23:17	2.0	D	239	M4	318/II
221	08 15	SXR	23:35	2.0	-	-	M9	1+/3 318/II
222	08 16	Ha	01:55	0.3	10865	N19 W85	1N	1/3 314/I
		SXR	01:27	2.0	D	239	M5	318/II
223	08 16	SXR	11:40	3.0	10865?	-	M9	2+/5 318/II
224	08 16	Ha	15:43	0.3	10865	N17 W90	SB	1+/5 314/I
		SXR	15:00	2.5	D	239	M5	318/II
225	08 17	SXR	03:10	2.5	?	-	M2	1+/5 318/II
226	08 18	SXR	18:36	2.0	?	-	M2	1/5 318/II
227	08 19	Ha	11:17	0.2	10868	N15 W88	SN	3/5 314/I
		SXR	11:05	3.5	B	199	X4.9	318/II
228	08 20	Ha	00:05	0.2	10882	N08 E05	SF	2-/5 314/I
		SXR	00:06	2.5	Y	093	M5	318/II
229	08 20	Ha	04:24	0.3	10888	N14 E42	SN	2/3 314/I
		SXR	03:55	2.0	BP	054	M6	318/II
230	08 27	Ha	13:49	2.0	10913	N20 E90	SN	1+/5 314/I
		SXR	13:33	4.0	BP	276	M5	318/II
231	09 01	Ha	12:18	0.3	10922	N25 E90	SN	2+/3 315/I
		SXR	12:21	2.0	BP	196	M3	319/II

Table 1 continued

1970									
232	09 04	Ha	16:12	2.0	10913	N21 W20	1B	2-/5	315/I
		SXR	16:20	3.0	BP	271	M2		319/II
233	09 05	Ha	07:50	1.7	10913	N21 W22	SN	-	315/I
		SXR	08:16	2.0	BP	271	C9		319/II
234	09 05	Ha	15:32	0.6	10922	N23 E39	1B	1+/5	315/I
		SXR	15:35	3.5	BP	298	M3		319/II
235	09 11	SXR	17:34	2.5	?	?	C4	-	319/II
236	09 27	Ha	21:15	1.6	10959	N16 W20	2N	1-/3	315/I
		SXR	21:28	2.5	BP	323	M1		319/II
237	09 28	Ha	04:19	1.0	10964	S09 E24	1N	1/3	315/I
		SXR	04:20	2.0	AP	284	M2		319/II
238	09 29	Ha	07:34	0.2	10969	S06 E78	1F	-	315/I
		SXR	08:02	4.0			C7		319/II
239	10 04	Ha	17:31	0.7	10965	N18 W32	1N	1+/5	316/I
		SXR	17:33	2.0	BP	276	M3		320/II
240	10 06	Ha	00:09	2.0	10971	S10 E06	2N	1+/3	316/I
		SXR	00:26	2.5	BY	182	M3		320/II
241	10 13	Ha	16:46	0.7	10987	N09 E48	SF	-	316/I
		SXR	16:30	4.5	AP	116	C5	-	320/II
		Ha	16:50	1.5	10982	S15 W10	SF	-	
242	10 23	Ha	21:51	0.7	11002	N18 E80	1N	2/5	316/I
		SXR	21:47E	2.5	D	248	X1.4		320/II
243	10 24	Ha	02:30	0.7	11002	N17 E75	SN	1+/3	316/I
		SXR	02:42E	2.0	BF	255	M4		320/II
244	10 24	Ha	04:50	1.7	11002	N18 E75	2N	1+/5	316/I
		SXR	04:20	4.0	BF	255	M5		320/II
245	10 24	Ha	19:39	0.5	11002	N16 E69	1B	1/5	316/I
		SXR	19:06	2.5	BF	255	M4		320/II
246	10 25	SXR	03:58	3.5	-	-	C6	2-/3	320/II
247	10 25	Ha	10:45	1.0	11002	N17 E60	SN	2+/5	316/I
		SXR	10:42	2.0	D	242	M3		320/II
248	10 26	Ha	04:07	1.0	11002	N15 E51	1N	1+/3	316/I
		SXR	03:52	3.5	D	243	M6		320/II
249	10 26	Ha	22:00	1.1	11002	N18 E41	1N	1/3	316/I
		SXR	21:53	2.0	D	243	M3		320/II
250	10 28	Ha	12:41	1.0	11002	N21 E20	2B	3/5	316/I
		SXR	13:12	4.0	D	242	M4		320/II

Table 1 continued

1970

251	11 01	Ha	12:11	1.5	11002	N16 W50	1B	1/3	317/I
		SXR	12:31	2.5	BP	240	M2		321/II
252	11 05	Ha	03:07	4.2	11019	S12 E36	3B	3/5	317/I
		SXR	03:10	9.0	BP	124	X2.3		321/II
253	11 14	Ha	18:27	0.7	11029	N16 W01	SN	1/5	317/I
		SXR	19:46E	4.0	BY	035	M6		321/II
254	11 15	Ha	06:25	2.4	11029	N14 W42	2B	1+/3	317/I
		SXR	06:25	5.0	D	035	X4.1		321/II
255	11 15	Ha	17:54	1.2	11029	N16 W16	1B	3-/5	317/I
		SXR	17:04	5.0	D	035	X1.7		321/II
256	11 16	Ha	00:42	1.8	11029	N12 W21	2B	3/5	317/I
		SXR	00:28	4.0	D	034	X1.8		321/II
257	11 16	Ha	09:21	1.8	11029	N14 W27	2N	3/5	317/I
		SXR	09:28	3.5	D	034	X4.1		321/II
258	11 16	Ha	12:11	1.1	11029	N16 W27	1B	3/5	317/I
		SXR	12:44	2.5	D	034	X2.0		321/II
259	11 17	Ha	06:42	0.9	11035	N14 E00	1N	1+/5	317/I
		SXR	06:46	3.5	B	359	X4.9		321/II
260	11 18	Ha	01:35	1.9	11029	N18 W63	2N	2+/3	317/I
		SXR	01:00	3.5	BY	035	X2.8		321/II
261	11 21	Ha	15:13	0.9	11035	N08 W41	1B	1+/5	317/I
		SXR	15:40E	2.5	A	358	M5		321/II
262	11 24	Ha	04:06	0.8	11035	N07 W77	2B	1/3	317/I
		SXR	04:10E	2.5	BF	342	M2		321/II
263	11 28	Ha	04:11	1.0	11060	N15 E64	SN	1/3	317/I
		SXR	04:16	2.0	BP	157	C8		321/II
264	12 02	Ha	15:55	0.2	11063	S09 E15	SF	1/5	318/I
		SXR	16:01	3.0	AP	135	M2		322/II
265	12 05	Ha	22:59	1.5	11060	N16 W45	1N	1-/1	318/I
		SXR	23:42	2.5	BP	152	M1		322/II
266	12 08	Ha	04:26	0.4	11077	N13 E80	1B	3/5	318/I
		SXR	04:27	2.0	BY	002	X3.0		322/II
267	12 09	Ha	08:00	0.7	11077	N13 E73	1N	2-/5	318/I
		SXR	08:01	2.0	BY	001	M6		322/II
268	12 11	Ha	14:30	0.5	11077	N13 E43	SN	1-/3	318/I
		SXR	14:32	2.5	AP	343	M2		322/II
269	12 11	Ha	22:05	2.6	11073	N15 E30	1N	1-/3	318/I
		SXR	22:10	6.0	D	033	M6		322/II

Table 1 continued

1970									
270	12 14	SXR	19:10	2.5	-	-			318/I
271	12 14	Ha	22:29	1.7	11077	NO5 W02	1N	-	318/I
		SXR	22:42	2.5	AP	348	C6		322/II
272	12 22	Ha	12:44	1.1	11084	N23 W44	1B	2-/5	318/I
		SXR	12:48	2.0	AP	278	M8		322/II
273	12 22	Ha	15:16	0.7	11084	N23 W43	1B	2/5	318/I
		SXR	15:14	2.0	AP	278	M9		322/II
1971									
274	01 16	Ha	08:05	2.6	11128	N19 E66	2N	2+/5	319/I
		SXR	07:53	4.0	AP	012	M9		323/II
		Ha	12:04	0.4	11111	S06 W84	SN	2+/3	319/I
		SXR	12:00	4.0	BP	225	M6		323/II
275	01 24	Ha	23:14	1.2	11128	N19 W50	1B	2+/5	319/I
		SXR	23:04	10.0	BP	223	X4.9		323/II
276	01 28	Ha	09:46	0.7	11129	N10 W62	SF	1/3	319/I
		SXR	09:34	3.0	B	190	M2		323/II
277	01 29	SXR	04:58	3.0	-	-	M3	2-/3	323/II
278	03 03	SXR	21:49E	3.0	-	-	C6		325/II
279	03 04	Ha	15:05	1.0	11181	S13 E40	1N	1/1	321/I
		SXR	15:00	2.0	AP	342	C2		325/II
280	03 05	SXR	11:00	2.0	-	-	C1		325/II
281	03 07	Ha	10:23	1.5	11181	S13 E05	1N	-	321/I
		SXR	11:05	2.5	AF	341	C5		325/II
282	03 13	Ha	23:28	0.7	11196	NO7 E53	1N	1-/1	321/I
		SXR	23:40	4.5	BP	211	C9		325/II
283	03 15	Ha	07:36	0.7	11196	NO8 E34	1B	1-/5	321/I
		SXR	07:42	2.5	BF	212	C5		325/II
284	03 29	Ha	14:10	1.0	11221	S19 E23	1N	2/5	321/I
		SXR	14:13	2.0	D	032	M1		325/II
285	04 01	Ha	13:00	1.4	11221	S20 W12	1N	1-/3	322/I
		SXR	13:00	3.0	Y	032	C6		326/II
286	04 02	Ha	21:43	2.0	11221	S18 W34	1B	1/3	322/I
		SXR	21:10	4.5	Y	030	C7		326/II
287	04 04	Ha	07:39	1.1	11221	S18 W54	1N	1/3	322/I
		SXR	07:43	5.5	B	031	C7		326/II

Table 1 continued

1971									
288	04 06	Ha	09:36	0.7	11221	S19 W80	1N	2/5	322/I
		SXR	10:06E	3.0	BP	035	M1		326/II
289	04 08	Ha	03:25E	0.2D	11221	S19 W90	2B	1-/1	322/I
		SXR	03:35	2.0	BP	035	C5		326/II
290	04 11	Ha	04:27	0.9	11233	S14 W11	1N	-	322/I
		SXR	05:21	2.0	BP	260	C5		326/II
291	04 19	Ha	12:21	1.1	11255	S22 W07	1N	2-/2	322/I
		SXR	12:38	2.0	BP	150	C5		326/II
292	04 20	Ha	00:55	1.0	11256	N20 W17	1B	3-/5	322/I
		SXR	00:57	2.0	B	149	M6		326/II
293	04 20	Ha	05:13	1.0	11256	N20 W20	2B	3/5	322/I
		SXR	05:15	2.0	B	149	X4.9		326/II
294	04 20	Ha	19:24	2.3	11250	S06 W50	1B	2/5	322/I
		SXR	19:26	4.0	BP	173	M3		326/I
295	04 22	Ha	09:43	0.3	11256	N18 W61	SN	1+/3	322/I
		SXR	09:43	2.0	BP	161	C9		326/II
296	04 22	Ha	16:54	0.2	11256	N19 W65	SN	1+/5	322/I
		SXR	16:56	2.0	BP	161	M1		326/II
297	04 22	Ha	22:01	0.2	11256	N18 W68	SF	2/5	322/I
		SXR	22:01	2.0	BP	161	M3		326/II
298	04 23	Ha	07:23	0.2	11256	N19 W72	SN	1/5	322/I
		SXR	07:24	2.0	B	158	M1		326/II
299	04 23	Ha	20:26	0.3	11256	N20 W86	SN	1-/3	322/I
		SXR	20:27	2.0	A	151	C4		326/II
300	04 24	Ha	04:56	0.8	11256	N17 W85	SB	-	322/I
		SXR	05:05	2.5	AF	151	C5		326/II
301	04 24	SXR	08:20	2.5	11256?	-	C5	-	326/II
302	05 05	Ha	01:35	0.5	11294	N12 E23	1N	1+/3	323/I
		SXR	01:37	2.0	BP	269	M2		327/II
303	05 05	Ha	12:11	0.7	11294	N12 E16	1B	2+/5	323/I
		SXR	12:11	3.0	BP	269	M7		327/II
304	05 12	Ha	01:31	1.4	11294	N12 W70	1N	2/3	323/I
		SXR	01:20	4.0	BP	271	M7		327/II
305	05 13	Ha	08:45	1.5	11312	N04 E27	1F	1/3	323/I
		SXR	08:59	2.0	B	158	M1		327/II
306	05 13	Ha	17:51	0.6	11294	N11 W86	1N	2+/5	323/I
		SXR	18:11E	2.0	BP	271	M7		327/II

Table 1 continued

1971

307	05 14	Ha	08:18	0.5	11312	N04 E15	SN	1/5	323/I
		SXR	07:44	3.5	BP	160	M2		327/II
308	05 14	Ha	14:14	1.5	11312	N04 E11	1B	2+/5	323/I
		SXR	14:15	3.0	BP	158	M9		327/II
309	05 14	SXR	18:45E	5.0	11294	-	M1	1+/3	327/II
310	05 20	Ha	06:05	1.1	11313	N04 W40	2N	1+/5	323/I
		SXR	06:07	5.0	BP	135	M2		327/II
311	06 25	SXR	23:20	3.0	-	-	M2	-	328/II
312	06 26	Ha	10:10	0.2	11402	S11 E90	SF	2+/5	324/I
		SXR	10:05	2.0	BP	238	M2		328/II
313	06 26	Ha	12:29	0.2	11402	S09 E86	SN	1-/3	324/I
		SXR	13:19E	2.0	BP	238	M1		328/II
314	06 30	Ha	01:17	2.0	11383	N13 W72	SN	-	324/I
		SXR	01:40	2.0	BP	339	C4		328/II
315	07 05	Ha	16:35	0.8	11415	S09 E74	SN	1+/5	325/I
		SXR	16:36	4.0	BP	126	C9		329/II
316	07 07	Ha	05:33	0.8	11415	S07 E51	1N	1+/5	325/I
		SXR	05:39	2.5	BP	125	M2		329/II
317	07 07	Ha	19:25	1.0	11415	S07 E47	SN	1-/3	325/I
		SXR	19:44	2.0	BP	125	C5		329/II
318	07 08	Ha	15:54	0.5	11402	S09 W77	SN	1-/1	325/I
		SXR	16:03	2.0	AP	239	C4		329/II
319	07 10	Ha	15:39	0.2	11402	S13 W90	SN	1-/1	325/I
		SXR	15:40	2.0	AP	229	C7		329/II
320	07 11	SXR	01:06	2.0	11402?	229?	M2	2+/3	329/II
321	07 24	Ha	05:05	0.3	11433	N15 W40	SF	-	325/I
		SXR	05:10	2.0	BP	341	C3		329/II
322	07 24	Ha	10:23	1.0	11433	N14 W44	1B	2-/5	325/I
		SXR	10:26	2.0	BP	341	M7		329/II
323	07 24	Ha	17:59	1.0	11425	N07 W77	SN	1/5	325/I
		SXR	17:54	2.0	AP	029	M1		329/II
324	07 25	Ha	01:05E	0.5D	11438	N11 W05	SN	1-/3	324/I
		SXR	00:57	2.0	BP	310	M1		329/II
325	08 11	Ha	14:29	0.7	11457	S12 W21	1N	1-/3	326/I
		SXR	14:43E	2.0	BP	094	C6		330/II
326	08 13	Ha	06:46	1.0	11457	S08 W48	1N	1-/1	326/I
		SXR	06:42	2.0	AP	098	C4		330/II

Table 1 continued

1971									
327	08 28	Ha	00:39	1.3	11482	S11 W60	SB	1/3	326/I
		SXR	00:33	2.5	BP	270	C9		330/II
328	08 29	Ha	13:29	0.4	11482	S07 W90	SF	1-/1	326/I
		SXR	14:00	3.0	BP	270	C2		330/II
329	08 30	Ha	03:03	2.5	11482	S15 W82	SF	2-/5	326/I
		SXR	04:09	2.0	BP	270	M5		330/II
330	08 30	SXR	21:06	2.0	11482?	-	C9	1/5	330/II
331	08 31	SXR	08:39	2.0	-	-	C4	1+/5	330/II
332	09 01	Ha	20:45	0.5	11496	S07 E32	SF	-	327/I
		SXR	20:00	3.0	B	118	C2		331/II
333	09 06	Ha	03:41	0.2	11496	S07 W29	1N	1/3	327/I
		SXR	03:43	2.0	BP	122	M2		331/II
334	09 08	Ha	19:03	1.3	11496	S12 W73	SF	-	327/I
		SXR	19:00	2.5	BP	122	C4		331/II
335	09 10	SXR	09:30	2.5	-	-	C2	-	331/II
336	09 13	Ha	06:57	0.2	11514	N14 E70	SN	1-/3	327/I
		SXR	07:10	2.0	AP	288	C7		331/II
337	09 14	Ha	15:56	0.8	11516	S12 E63	SN	1/3	327/I
		SXR	15:57	2.0	BY	274	M1		331/II
338	09 14	Ha	23:38	0.5	11516	S14 E59	SN	1/5	327/I
		SXR	23:52	2.0	BY	274	M2		331/II
339	09 15	Ha	03:20	1.2	11516	S12 E53	1N	2/3	327/I
		SXR	03:22	4.0	BY	275	M4		331/II
340	09 15	Ha	15:32	0.5	11516	S10 E60	SF	-	327/I
		SXR	15:10	2.5	BY	275	C4		331/II
341	09 17	Ha	03:05	0.7	11516	S11 E28	SB	1-/3	327/I
		SXR	02:59	2.0	BY	276	C6		331/II
342	09 17	Ha	13:58	1.3	11516	S11 E21	1B	2/5	327/I
		SXR	14:07	2.0	BY	276	M3		331/II
343	09 18	Ha	13:30	0.7	11515	N03 E08	SB	1/5	327/I
		SXR	13:35	2.0	BY	280	C9		331/II
344	09 24	Ha	04:42	1.0	11514	N14 W82	SN	1-/1	327/I
		SXR	04:51	5.0	AF	297	C8		331/II
345	09 26	SXR	09:10	3.5	-	-	C1	-	331/II
346	10 03	Ha	13:30	1.5	11537	N13 E14	2N	3/5	328/I
		SXR	13:30	4.5		076	M8		332/II

Table 1 continued

1971									
347	10 10	Ha	00:24	0.9	11537	N12 W74	1N	3/5	328/I
		SXR	00:50	2.5		079	M3		332/II
348	10 12	SXR	07:00	2.0	-	-	C2		332/II
349	10 19	Ha	13:05	0.9	11565	N09 E31	1B	3/5	328/I
		SXR	13:05	2.0		211	M5		332/II
350	10 27	Ha	17:14	0.1	11581	S07 E76	SF	1-/3	328/I
		SXR	17:10	3.0			C4		332/II
351	11 09	SXR	23:54	2.5	-	-	M4	2/5	333/II
352	11 15	Ha	09:45	0.6	11610	S11 E52	1B	1/3	329/I
		SXR	09:48	2.0	AP	193	M2		333/II
353	11 19	Ha	13:52	0.2	11605	N08 W22	SN	-	329/I
		SXR	13:59	4.0		242	C8		333/II
354	11 20	Ha	21:04	0.3	11610	S13 W22	SF	1+/5	329/I
		SXR	20:41	2.0	BP	199	M2		333/II
355	11 22	Ha	15:11	0.6	11621	N15 E72	1B	1/5	329/I
		SXR	15:13	4.0	AP	085	X1.9		333/II
356	11 23	Ha	05:36	0.9	11619	S19 E60	1B	2/3	329/I
		SXR	05:48	5.0	BP	089	M5		333/II
357	11 24	Ha	22:32	0.8	11619	S09 E29	SN	1-/1	329/I
		SXR	22:36	2.5	BP	089	C6		333/II
358	11 26	Ha	20:30	0.8	11619	S09 E01	1N	1-/3	329/I
		SXR	20:30	2.0	D	088	C4		333/II
359	12 01	Ha	14:10	0.4	11619	S14 W59	SN	-	330/I
		SXR	14:10	2.0	BP	089	C2		334/II
360	12 02	Ha	00:44	1.6	11619	S15 W66	1B	2+/3	330/I
		SXR	01:05	5.0	BP	089	M6		334/II
361	12 03	SXR	07:20	3.0	-	-	C2	-	334/II
362	12 25	Ha	02:30	1.9	11657	S14 W15	1B	-	330/I
		SXR	02:35	3.0	B	088	M1		334/II
363	12 25	Ha	13:19	0.8	11657	S21 W09	1B	1/3	330/I
		SXR	13:25	3.5	B	088	C9		334/II
1972									
364	01 14	Ha	06:26	0.5	11693	S11 E66	1N	1-/1	331/I
		SXR	06:29	2.0	D	092	M1		335/II
		Ha	06:30	0.6	11687	S09 W15	SB		
365	01 14	Ha	15:25	1.7	11693	S11 E63	1B	1/5	331/I
		SXR	15:29	2.0	D	092	M4		335/II

Table 1 continued

1972

366	01 15	Ha	17:45	2.8	11693	S11 E70	1N	2-/5	331/I
		SXR	18:08	5.0	D	091	M2		335/II
367	01 16	Ha	16:03E	0.1D	11693	S14 E33	1N	1/5	331/I
		SXR	15:47	4.0	BF	093	C6		335/II
368	01 19	Ha	06:32	0.6	11693	S18 E18	1N	-	331/I
		SXR	06:37	5.0	D	094	C8		335/II
369	01 22	Ha	05:38	0.6	11693	S16 W39	2B	2/5	331/I
		SXR	05:39	2.0	D	091	M7		335/II
370	01 22	Ha	10:44	0.5	11693	S13 W25	SN	1+/3	331/I
		SXR	10:48	2.0	D	091	M1		335/II
371	01 22	Ha	14:34	0.7	11693	S14 W27	1B	2/5	331/I
		SXR	14:34	2.5	D	091	M4		335/II
372	01 25	Ha	00:30	0.2	11709	N16 E57	SF	-	331/I
	24	SXR	23:52	2.0	BP	315	C4		335/II
373	01 28	SXR	03:58	2.0	-	-	C6	1-/3	335/II
374	01 30	Ha	23:45	1.1	11707	S18 W28	1N	1/3	331/I
		SXR	23:50	2.0	B	342	M1		335/II
375	02 08	SXR	08:47	6.0	11734?	S16 E17?	M9	-	332/I
376	02 09	SXR	21:00	2.0	-	-	C4	1-/3	336/II
377	02 10	SXR	08:30	2.0	-	-	C9	2/3	336/II
378	02 10	Ha	11:49	0.5	11734	S16 E85	SN	1/3	332/I
		SXR	11:53	3.0	AP	095	M1		336/II
379	02 10	Ha	23:21	1.4	11734	S16 E80	1N	2/5	332/I
		SXR	23:28	5.0	AP	095	M3+M4		336/II
380	02 11	Ha	09:32	0.6	11734	S18 E75	SN	2/3	332/I
		SXR	09:32	2.0	BP	095	C9		336/II
381	02 12	Ha	14:02	1.0	11734	S20 E56	1B	2/5	332/I
		SXR	14:13	2.0	BP	093	M4		336/II
382	02 14	Ha	14:40	1.1	11734	S15 E25	SN	2/5	332/I
		SXR	14:30	3.0	BP	095	C9		336/II
383	02 15	Ha	03:32	1.1	11734	S15 E20	1N	1-/1	332/I
		SXR	03:32	2.0	AP	097	M2		336/II
384	02 17	SXR	20:31	3.0	-	-	X1.5	2+/5	336/II
385	02 18	Ha	15:19	0.2	11751	S18 E88	SN	1-/1	332/I
		SXR	14:52	3.0	BP	343	M2		336/II
386	02 22	Ha	03:13	0.5	11748	N08 E03	1B	2/5	332/I
		SXR	03:12E	2.5	D	023	M9		336/II

Table 1 continued

1972

387	02 22	Ha	13:22	1.0	11748	N08 W03	1B	3-/5	332/I
		SXR	13:21	2.0	D	023	X1.3		336/II
388	02 22	Ha	18:25	1.1	11748	N09 W05	SN	2+/5	332/I
		SXR	18:28	2.0	D	023	M6		336/II
389	02 29	SXR	12:07	2.0	-	-	M2	1+/3	336/II
390	02 29	SXR	15:14	2.0	-	-	M2	2+/5	336/II
391	03 01	Ha	20:51	0.3	11769	S04 E84	SN	2-/5	333/I
		SXR	20:42	2.0	AP	191	M2		337/II
392	03 02	Ha	18:12	0.3	11769	S06 E76	1B	2/5	333/I
		SXR	18:13	2.0	BP	189	M4		337/II
393	03 02	Ha	22:03	1.9	11760	S09 W01	SN	2/5	333/I
		SXR	22:11	2.0	BP	256	M1		337/II
394	03 11	SXR	00:31	4.0	-	-	C7	1-/1	337/II
395	03 18	Ha	21:46	0.7	11784	S20 E30	SF	1-/3	333/I
		SXR	21:40	2.0	BP	014	C7		337/II
396	03 22	Ha	04:58	0.7	11781	S10 W57	1N	1-/1	333/I
		SXR	05:04	2.0	AP	052	C9		337/II
397	04 14	Ha	19:57	0.5	11813	S12 W32	1B	1/5	334/I
		SXR	20:10E	2.0	BY	084	C6		338/I
398	04 18	Ha	00:56	0.8	11827	S12 E47	1B	2/5	334/I
		SXR	01:05E	2.0	BF	323	M3		338/II
399	05 08	Ha	15:31	0.9	11856	S20 E04	SN	1-/5	335/I
		SXR	15:42E	3.0	BP	093	C5		339/II
400	05 17	Ha	22:35	0.8	11882	N15 E32	2B	2-/5	335/I
		SXR	22:36	2.5	BF	298	M7		339/II
401	05 20	Ha	17:00	0.3	11882	N14 E13	SN	1/5	335/I
		SXR	16:55	2.0	BP	310	C6		339/II
402	05 22	Ha	22:59	0.4	11882	N16 W32	SN	2-/1	335/I
		SXR	22:58	4.5	BP	299	M2	1/5	339/II
403	05 24	Ha	06:37	0.7	11883	S14 W57	SN	3/5	335/I
		SXR	06:35	4.5	BP	288	X5.1		339/II
404	05 24	Ha	17:47	0.4	11895	N08 E81	SF	1+/5	335/I
		SXR	17:41	3.5	BP	164	M2		339/II
405	05 27	Ha	01:31	0.3	11895	N10 E47	1B	2-/5	335/I
		SXR	01:32	2.0	D	163	M3		339/II
406	05 28	Ha	02:20	0.2	11895	N08 E37	SN	1/3	335/I
		SXR	02:04	3.0	D	164	C9		339/II

Table 1 continued

1972

407	05 28	Ha	13:10	2.1	11895	N09 E30	23	3/5	335/I
		SXR	13:04	3.5	D	164	X5.1		339/II
408	05 29	Ha	09:50	1.0	11895	N08 E17	13	2/3	335/I
		SXR	10:15	2.0	D	164	M5		339/II
409	05 30	Ha	06:58	0.8	11895	N09 E12	1N	1-/1	335/I
		SXR	06:37	2.5	D	166	C5		339/II
410	05 31	Ha	06:35	0.9	11895	N10 W09	1N	1/1	335/I
		SXR	06:26	2.0	D	165	C7		339/II
411	05 31	Ha	09:49	0.6	11911	S08 E72	1N	2/3	335/I
		SXR	09:54	2.5	BP	085	M2		339/II
412	06 03	Ha	14:03	1.2	11895	N09 W53	1N	2+/5	336/I
		SXR	14:36E	3.5	D	166	M1		340/II
413	06 05	Ha	21:45	0.7	11911	S06 E07	S3	1/5	336/I
		SXR	21:21	2.0	BP	078	M2		340/II
414	06 06	Ha	09:59	0.3	11911	S05 W02	SF	1+/3	336/I
		SXR	09:59	3.0	BP	077	C5		340/II
415	06 06	Ha	15:05	0.5	11895	N10 W90	13	3-/5	336/I
		SXR	15:06	2.0	D	164	M8		340/II
416	06 12	Ha	13:18	0.7	11926	S11 E52	13	3/5	336/I
		SXR	13:23	2.5	AP+BF	295	X1.9		340/II
417	06 15	Ha	09:51	0.7	11926	S10 E11	1N	2+/3	336/I
		SXR	09:54	2.0	BY	305	M1		340/II
418	06 15	Ha	12:49	2.0	11922	S14 W00	1F	2/5	336/I
		SXR	12:53	4.0	BP	341	M6		340/II
419	06 16	Ha	20:08	0.2	11930	S10 E73	SF	1+/5	335/I
		SXR	20:04	2.5	BP	231	M2		340/II
420	06 23	Ha	17:24	0.6	11933	N08 E39	1N	2+/5	336/I
		SXR	17:26	2.0	D	170	X1.2		340/II
421	06 24	Ha	07:02	0.9	11933	N10 E30	13	3-/5	336/I
		SXR	07:02	2.0	D	168	X1.8		340/II
422	06 24	Ha	19:12	0.6	11933	N09 E23	S3	2-/5	336/I
		SXR	19:16	2.5	D	168	M4		340/II
423	06 25	Ha	00:05	0.5	11933	N09 E22	1N	1/3	336/I
		SXR	00:09	2.0	BF	168	M1		340/II
424	06 25	Ha	04:39	1.1	11933	N09 E20	13	1+/5	336/I
		SXR	05:02E	3.0	BF	166	M2		340/II

Table 1 continued

1972

425	07 04	Ha	17:15	0.5	11949	S12 E68	SF	1/5	337/I
		SXR	17:11	2.0	BF	354	M2		341/II
426	07 06	Ha	02:00	0.4	11939	N05 W70	SN	1-/1	337/I
		SXR	02:04	2.0	BF	109	C5		341/II
427	07 06	Ha	06:45	0.7	11939	N07 W75	1N	2/5	337/I
		SXR	06:48	2.0	BF	109	M2		341/II
428	07 11	Ha	13:53	1.2	11949	S10 W24	1N	2/5	337/I
		SXR	13:59	4.0	BF	355	M2		341/II
429	07 14	Ha	20:04	0.5	11957	N11 W83	SN	2-/5	337/I
		SXR	20:08E	2.0	BF	005	M3		341/II
430	07 31	Ha	10:59	1.0	11970	S14 W16	1B	2+/5	337/I
		SXR	11:01	3.0	AP	083	C9		341/II
431	08 02	Ha	03:36E	2.5	11976	N12 E34	3N	3/5	338/I
		SXR	02:54	10.0	D	010	X1.8		342/II
432	08 02	Ha	19:58	3.6	11976	N14 E28	2B	2/5	338/I
		SXR	19:58	12.0	D	010	X1.5		342/II
433	08 04	Ha	06:17	2.6	11976	N14 E08	3B	3/5	338/I
		SXR	05:27	12.0	D	010	X4.6		342/II
434	08 07	Ha	14:49	2.5	11976	N14 W37	3B	3+/5	338/I
		SXR	14:36E	10.0	D	010	X4.6		342/II
435	08 10	Ha	01:04	0.4	11976	N10 W90	1N	-	338/I
		SXR	23:37	3.0	D	012	C9		342/II
436	08 11	Ha	12:18	0.5	11976	N13 W88	1N	2-/5	338/I
		SXR	12:16	6.0	D	010	M8		342/II
437	08 12	SXR	20:05	4.0	11976?	-	C8	-	342/II
438	08 15	Ha	17:39	0.5	11994	N03 E77	S3	1/5	338/I
		SXR	17:40	3.0	AP	155	M2		342/II
439	08 19	Ha	14:32	0.4	11985	N17 W67	1B	2-/5	338/I
		SXR	14:33	3.0	BP	242	M3		342/II
440	08 22	Ha	12:07	1.5	12002	S23 E56	2B	2/5	338/I
		SXR	12:16E	4.0	BP	076	M2		342/II
441	08 23	Ha	19:10	0.6	12002	S15 E42	S3	1/5	338/I
		SXR	19:13	2.0	BP	075	M2		342/II
442	08 26	SXR	21:10	3.0	?	?	M1	1-/1	342/II
443	08 28	Ha	01:05	0.4	12002?	S18 W01	SF	2-/5	338/I
		27 SXR	23:30	2.5	BP	073	M2		342/II

Table 1 continued

1972

444	08 30	Ha	05:00	0.3	12011	N16 E54	SF	1-/5	338/I
		SXR	05:00	3.0	BP	345	C4		342/II
445	08 31	Ha	16:10	0.4	12011	N18 E38	SB	1/3	338/I
		SXR	16:13	2.0	BP	347	C7		342/II
446	09 03	Ha	08:55	1.3	12005	S12 W52	1N	2/3	339/I
		SXR	08:59	2.5	BP	025	C8		343/II
447	09 06	Ha	06:52	0.5	12022	S15 W44	SN	1-/1	339/I
		SXR	06:56	2.0	BP	034	C5		343/II
448	09 11	Ha	10:19	0.8	12021	N19 W07	1N	1+/3	339/I
		SXR	10:22	3.0	BP	240	C7		343/II
449	09 13	Ha	02:52	0.7	12021?	N17 W28	1N	-	339/I
		SXR	02:10	2.0	BP	242	C5		343/II
450	09 18	Ha	00:53	1.0	12040	S16 E64	SB	1-/1	339/I
		SXR	00:59	2.0	AP	078	C5		343/II
451	09 21	Ha	12:10	0.6	12044	S07 E66	SN	1+/5	339/I
		SXR	12:09	2.0	BY	034	M1		343/II
452	09 22	Ha	16:49	0.4	12044	S05 E55	SN	1-/1	339/I
		SXR	16:49	2.0	BY	031	M1		343/II
453	10 07	Ha	22:19	1.7	12057	N20 W25	1F	-	340/I
		SXR	22:05	2.5	BP	267	-		344/II
454	10 15	Ha	10:17	0.2	12086	S13 E87	1N	-	340/I
		SXR	09:30	3.0	AP	058	C6		344/II
455	10 29	Ha	15:44	4.5	12094	S10 E05	2N	2/5	340/I
		SXR	16:10	9.0	D	314	M3		344/II
456	10 31	Ha	04:17	1.5	12094	S15 W15	1B	2/5	340/I
		SXR	04:18	2.0	D	313	X2.0		344/II
457	11 16	Ha	09:03	0.4	12114	S19 E32	SN		341/I
		SXR	09:03	2.0	AP	058	C5		345/II
458	11 24	Ha	12:36	0.7	12115	S07 W33	1N	2-/3	341/I
		SXR	12:38	4.0	BF	008	M2		345/II
459	11 25	Ha	08:20	0.8	12115	S06 W44	1B	2-/5	341/II
		SXR	08:20	3.0	BF	010	M5		345/II
460	11 26	SXR	23:40	3.0	-	-	C2	-	345/II
461	11 28	Ha	03:55	0.5	12115	S08 W80	1N	1-/3	341/I
		SXR	04:04	5.0	BF	010			345/II
462	12 04	SXR	23:00	4.0	-	-	C2	-	346/II

Table 1 continued

1972									
463	12 08	Ha	22:58	0.8	12136	N10 E38	1N	2/5	342/I
		SXR	23:22	3.5	BF	106	M3		346/II
464	12 09	SXR	16:04	4.0	12136	107	M1	2/5	345/II
465	12 10	Ha	00:33	1.5	12136	N11 E25	1N	2-/5	342/I
		SXR	00:45E	4.0	BP	107	M3		346/II
466	12 15	Ha	05:39	1.1	12136	S06 E47	1B	2-/3	342/I
		SXR	05:51E	3.5	AF	014	M3		346/II
467	12 16	Ha	03:44	1.0	12136	N12 W57	1B	2+/5	342/I
		SXR	04:02E	2.5	AP	107			346/II
468	12 18	Ha	06:58	1.0	12143	S09 E08	1N	1/3	342/I
		SXR	06:51	4.0	BF	017			346/II
1973									
469	01 03	Ha	18:01	0.1	12164	N15 E52	S3	1+/5	343/I
		SXR	18:01	2.0	B	114	C9		347/II
470	01 06	Ha	13:10	1.0	12164	N13 E13	1N	2-/5	343/I
		SXR	13:47	2.0	BY	114	M3		347/II
471	01 11	Ha	00:35	0.9	12160	N11 W80	1B	3/5	343/I
		SXR	00:40	5.0	AP	148	M1		347/II
472	01 28	Ha	12:54	0.6	12205	N10 E48	SN	-	343/I
		SXR	12:55	2.0	A	149	M1		347/II
473	02 02	Ha	23:23	0.4	12205	N09 W23	SF	-	344/I
		SXR	23:23	7.0	J	144	C9		348/II
474	02 03	Ha	17:46	0.5	12211	S01 E31	SN	1-/3	344/I
		SXR	17:56	2.0	O	085	M1		348/II
475	02 10	Ha	14:01	0.9	12224	S13 E45	SN	1-/3	344/I
		SXR	14:01	2.0	AF	347	M3		348/II
476	02 14	Ha	23:09	0.2	12223	N16 W65	SF	1-/5	344/I
		SXR	23:09	2.0	J	030	C9		348/II
477	02 16	SXR	18:53	3.0	12223?	-	C7	1/5	348/II
478	02 18	Ha	21:05	1.9	12228	S09 W06	1B	-	344/I
		SXR	21:27	3.0	AP	285	C4		348/II
479	02 19	Ha	06:09	1.5	12228	S08 W13	1B	-	344/I
		SXR	06:09	3.0	AP	286	C1		348/II
480	03 01	Ha	11:15	0.8	12245	N08 W07	1B	2+/5	345/I
		SXR	11:19	3.5	BP	139	M8		349/II
481	03 06	Ha	22:22E	0.8	12261	S16 E61	1F	-	345/I
		SXR	21:58	2.0	AF	018	C9		349/II

Table 1 continued

1973

482	03 12	Ha	10:56	1.2	12261	S19 W21	1B	1+/3	345/I
		SXR	11:04	2.0	AP	021	C9		349/II
483	03 13	Ha	08:58	0.4	12259	N10 W49	SN	1/3	345/I
		SXR	08:59	2.0	BP	028	M1		349/II
484	03 14	Ha	23:38	0.4	12259	N12 W70	SN	1-/1	345/I
		SXR	23:30	2.0	BP	028	C8		349/II
485	03 19	Ha	07:06	0.7	12263	S08 W74	SN	-	346/I
		SXR	07:06	2.0	B	344	C5		349/II
486	03 25	Ha	04:55	0.5	12273	N15 W42	SN	1-/3	345/I
		SXR	04:56	2.0	D	224	M1		349/II
487	03 29	SXR	23:02	2.0	-	-	C4	-	349/II
488	04 01	Ha	22:02	1.1	12298	N14 E43	1B	1-/5	346/I
		SXR	22:06E	2.0	Y	040	M1		350/II
489	04 03	SXR	18:40	2.0	-	-	C9	1/5	350/II
490	04 10	Ha	00:26	1.4	12306	S08 E14	S3	2-/5	346/I
		SXR	00:16	3.5	JY	327	M5		350/II
491	04 16	SXR	08:02	2.0	-	-	C7	1/5	350/II
492	04 18	Ha	07:39	3.0	12322	N11 E80	SN	1/5	345/I
		SXR	07:39	2.0	AP	145	C6		350/II
493	04 22	Ha	14:07	0.2	12323	S05 E87	SN	1/5	346/I
		SXR	14:08	2.0	D	085	M1		350/II
494	04 25	Ha	04:26	0.6	12322	N11 W13	1N	1-/5	346/I
		SXR	04:23	2.0	D	147	C9		350/II
495	04 26	Ha	19:17	1.6	12322	N12 W36	SN	1-/5	346/I
		SXR	19:31	2.5	D	146	M9		350/II
496	04 29	Ha	06:25	1.1	12322	N12 W65	S3	2/5	346/I
		SXR	06:26	2.0	D	148	M5		350/II
497	04 29	Ha	10:35	0.4	12322	N13 W65	SN	1-/1	346/I
		SXR	10:35	2.0	D	148	M2		350/II
498	04 29	Ha	20:56	1.7	12322	N14 W73	23	3+/5	346/I
		SXR	21:44E	4.0	D	146	X1.7		350/II
499	05 01	Ha	02:43	0.1	12322	N12 W90	S3		347/I
		Ha	04:24	2.6	12336	S13 E78	1N	3/3	351/II
		SXR	02:31	5.0	D	335	X2.2		
500	05 01	Ha	14:17	0.6	12336	S13 E75	SN	2/3	347/I
		SXR	13:37E	2.0	D	335	M4		351/II
501	05 01	Ha	20:31	0.5	12336	S15 E73	SN	2/5	347/I
		SXR	20:27	2.0	D	335	M4		351/II

Table 1 continued

1973

502	05 02	Ha	03:56	0.6	12336	S16 E61	SF	1-/1	347/I
		SXR	02:22	2.0	D	336	M1		351/II
503	05 02	Ha	07:31	0.5	12336	S14 E65	SN	2-/5	347/I
		SXR	07:31	3.0	D	336	M8		351/II
504	05 02	Ha	21:48	0.2	12336	S12 E58	SN	2+/5	347/I
		SXR	22:00	2.0	D	336	M5		351/II
505	05 03	Ha	08:31	0.8	12336	S14 E51	2B	3/5	347/I
		SXR	08:31	4.0	D	337	X2.1		351/II
506	05 04	Ha	14:20	0.5	12336	S13 E38	1N	1/3	347/I
		SXR	14:55	3.5	BY	338	M1		351/II
507	05 05	Ha	09:28	0.7	12336	S15 E21	1N	2/5	347/I
		SXR	09:29	3.5	BY	338	M2		351/II
508	05 05	Ha	17:02	1.5	12336	S15 E19	1B	3/5	347/I
		SXR	17:02	3.0	BY	338	X3.8		351/II
509	05 07	Ha	20:53	0.6	12336	S18 W14	SF	-	347/I
		SXR	20:52		D	340	C5		351/II
510	05 07	Ha	22:23	1.1	12336	S16 W12	SF	1-/1	347/I
		SXR	22:37	4.0	D	340	M1		351/II
511	05 13	SXR	23:31	3.5	-	-	C4	-	351/II
512	05 20	Ha	05:58	1.1	12349	S09 W33	1B	2-/5	347/I
		SXR	05:58	3.0	BF	201	M5		351/II
513	05 24	Ha	06:59	0.6	12352	N14 W37	SB	1-/5	347/I
		SXR	07:01	2.0	AP	150	C7		351/II
514	05 24	Ha	18:17	0.9	12352	N15 W46	SN	1/5	347/I
		SXR	18:21	2.0	AP	150	C7		351/II
515	06 10	Ha	08:57E	1.1	12389	N10E90	1N	-	348/I
		SXR	09:00E	4.0	?	159	C1		352/II
516	06 16	Ha	14:19	0.9	12387	N13 E12	2B	2/5	348/I
		SXR	14:23	2.0	BP	150	M3		352/II
517	06 24	Ha	02:25	0.8	12397	S08 W01	SN	1-/1	348/I
		SXR	02:30	2.0	BP	066	C4		352/II
518	06 26	Ha	01:57	2.1	12397	S08 W27	1B	1-/3	348/I
		SXR	01:42	3.5	BP	066	M1		352/II
519	06 28	Ha	19:03	0.1	12397	S06 W66	SF	2+/5	348/I
		SXR	18:59	3.0	AP	067	M7		352/II
520	06 29	Ha	19:47	0.4	12417	N13 E82	SB	1+/5	248/I
		SXR	19:48	3.0	AP	274	M5		352/II

Table 1 continued

1973

521	06 30	Ha	15:16	0.5	12417	N13 E70	1N	2-/5	348/I
		SXR	15:21	2.0	BP	275	M2		352/II
522	06:30	Ha	21:59	0.4	12417	N12 E65	SB	1/5	348/I
		SXR	21:59	2.0	BP	275	C7		352/II
523	07:02	Ha	12:29	3.4	12414	S06 E36	SF	-	349/I
		SXR	13:00	4.0	A	273	C1		353/II
524	07 08	SXR	23:51	2.0	-	-	C4	-	353/II
525	07 09	Ha	16:24	0.3	12417	N11 W55	SN	1/5	349/I
		SXR	16:27	2.0	BP	271	C5		353/II
526	07 23	SXR	15:00	5.0	-	-	C2	-	353/II
527	07 27	Ha	10:23	0.5	12460	S06 E58	SN	1-/1	349/I
		SXR	10:23	2.0	BP	290	C1		353/II
528	07 29	Ha	13:13	2.1	12461	N14 E45	3B	2+/5	349/I
		SXR	13:10	4.5	AP	280	M7		353/II
529	08 06	Ha	06:25	0.8	12474	N07 W05	1N	1+/5	350/I
		SXR	06:25	2.0	D	217	M2		354/II
530	08 21	Ha	13:44	0.8	12497	N12 E90	1F	-	350/I
		SXR	13:50	3.0	-	273	C5		354/II
531	09 05	Ha	20:03	0.9	12507	S18 W25	SN	1/5	351/I
		SXR	20:06	2.0	BP	192	C8		355/II
532	09 06	Ha	09:12	-	12511	-	-	2/3	351/I
		SXR	09:14E	2.0	-	-	X1.1		355/II
533	09 06	Ha	12:06	1.0	12507	S17 W35	SN	-	351/I
		SXR	12:11	2.5	BP	194	C5		355/II
534	09 07	Ha	11:41	2.0	12507	S18 W46	2B	3/5	351/I
		SXR	11:42	4.5	BP	192	X1.4		355/II
535	09 10	Ha	02:35	0.7	12512	S18W44	1N	1-/3	351/I
		SXR	02:55	2.5	BF	162	M1		355/II
536	09 11	Ha	06:55	0.7	12520	S11W55	SN	1-/3	351/I
		SXR	06:56	2.0	B	152	M1		355/II
537	09 11	SXR	18:52E	6.0	-	-	C5	-	355/II
538	10 05	Ha	02:48	1.3	12540	S13 W55	SN	-	352/I
		SXR	02:40	3.0	?	?	C2		356/II
539	10 06	Ha	03:12	1.7	12547	S17 W46	1N	-	352/I
		SXR	04:00	2.0	?	?	C8		356/II
540	10 06	Ha	10:49	0.6	12540	S16 W68	SN	-	352/I
		SXR	10:00	3.0	?	?	C2		356/II

Table 1 continued

1973

541	10 27	Ha	15:47	2.0	12590	N18 E55	2B	-	352/I
		SXR	15:50	6.0	?	?	M3		356/II
542	10 29	SXR	00:40	2.0	-	-	C1		356/II
543	10 30	Ha	14:39	0.7	12584	S16 W34	SN		352/I
		SXR	14:40	6.0	?	?	M1		356/II
544	11 01	Ha	19:15	0.9	12584	S18 W66	SN		353/I
		SXR	18:30	5.0	?	?	C9		357/II
545	11 03	Ha	00:12	0.8	12584	S18 W85	?		353/I
		SXR	00:20	6.0	?	?	X3		357/II
546	11 04	SXR	19:50	3.5	?	?	M4		357/II
547	11 06	Ha	04:55	0.9	12592	S10 W60	?		353/I
		SXR	04:20	3.0	?	?	C2		357/II
548	11 26	Ha	04:36	0.7	12624	S11 W26	SN		353/I
		SXR	04:30	2.0	?	?	C2		357/II
549	11 30	SXR	14:40	6.0	?	?	C9		357/II
550	12 02	Ha	01:56	0.6	12628	S15 W57	SN	1-/3	354/I
		SXR	02:00	3.0	?	?	C9		358/II
551	12 16	Ha	10:56	0.7	12664	S18 E84	SN	1+/3	354/I
		SXR	11:28E	3.0	BP	184	C5		358/II

1974

552	01 14	SXR	03:34	2.5	-	-	C8	1-/3	359/II
553	01 15	Ha	10:50	0.5	12686	N08 W85	1N	1-/3	355/I
		SXR	10:54	4.0		315	M1		359/II
554	01 16	SXR	06:29	2.0	-	-	M2		359/II
555	01 18	Ha	18:51E	0.2D	12706	S17 E12	SF	-	355/I
		SXR	18:50	3.0	BP	171	C1		359/II
556	01 22	Ha	08:37	0.6	12708	N06 W55	SN	1-/3	355/I
		SXR	08:40	2.0	BP	197	C2		359/II
557	02 10	Ha	23:24E	0.5	12742	S17 E45	SF	-	360/I
		SXR	23:27	2.5	BP	200	C2		364/II
558	02 13	Ha	10:38E	0.2	12742	S20 E20	SN	-	360/I
		SXR	10:00	2.0	BP	202	C2		364/II
559	02 15	Ha	15:08	0.5	12749	S12 W51	SN	1+/5	360/I
		SXR	15:11	2.0	BF	234	M2		364/II
560	02 15	Ha	18:09	0.7	12749	S12 W52	SN	1-/3	360/I
		SXR	18:00	2.0	BF	234	C5		364/II

Table 1 continued

1974

561	02 21	Ha	13:06	0.6	12752	S18 W44	SN	2-/5	360/I
		SXR	13:16	2.0	BP	151	C5		364/II
562	04 13	Ha	00:19	2.1	12848	S14 W26	SB	2-/3	362/I
		SXR	01:00	2.0	D	185	C2		365/II
563	04 19	Ha	08:54	0.2	12856	S12 W51	SF	2/3	362/I
		SXR	07:18	3.0	B	126	M1		365/II
564	04 23	SXR	17:00	4.0	-	-	C2	-	365/II
May and June 1974 - SXR data no published in SGD									
565	07 02	Ha	06:06	1.7	13043	S15 E22	1N	2/5	Don 1
		SXR	06:06	4.0	D	149	M9		365/II
566	07 03	Ha	04:17	0.5	13043	S14 E10	SN	1-/3	Don 1
		SXR	04:17	4.0	D	158	M8		365/II
567	07 03	Ha	07:59	1.5	13043	S15 E08	2B	3-/5	Don 1
		SXR	08:00	4.0	D	158	X2		365/II
568	07 04	Ha	06:48	1.0	13043	S14 W05	1B	3/5	365/II
		SXR	06:41	3.5	D	158	X2		Don 1
569	07 04	Ha	13:38	1.1	13043	S16 W08	2B	3/5	365/II
		SXR	13:40	2.0	D	158	X2		Don 1
570	07 04	Ha	20:32	2.2	13043	S16 W12	1N	2/5	365/II
		SXR	20:50	2.0	D	158	X1		Don 1
571	07 05	Ha	15:08	1.1	13043	S15 W23	1B	3/5	365/II
		SXR	15:08	2.0	D	158	X2		Don 1
572	07 05	Ha	21:23	2.0	13043	S15 W26	1B	3/5	365/II
		SXR	21:37	2.0	D	158	X1.2		Don 1
573	07 06	Ha	10:54	1.5	13043	S16 W35	1B	2+/5	365/II
		SXR	10:50	4.0	D	158	X2		Don 1
574	07 06	Ha	18:12	2.0	13043	S16 W39	1B	3/5	365/II
		SXR	18:42	4.0	D	158	X1		Don 1
575	07 07	Ha	08:07	3.4	13043	S16 W46	SN	2/5	365/II
		Ha	09:20	1.9	13043	S16 W47	1B		Don 1
576	07 07	Ha	12:14	1.5	13043	S16 W48	1N	2-/5	365/II
		SXR	12:16	2.0	D	159	M2		Don 1
575	07 07	SXR	09:25	3.0	D	158	X1		
577	07 08	Ha	15:40	0.5	13043	S18 W64	SB	3-/5	365/II
		SXR	15:39	2.0	D	158	M8		Don 1
578	07 08	Ha	22:24	0.3	13043	S16 W68	SN	2/5	365/II
		SXR	22:24	2.0	D	158	X1		Don 1

Table 1 continued

1974

579	07 09	Ha	01:49	0.5D	13043	S15 W69	SB	3-/5	365/II
		SXR	01:48	2.0	D	157	X1		Don 1
580	07 26	Ha	06:43	1.0	13095	S13 E46	1N	-	365/II
		SXR	06:43	4.0	BF	176	C9		Don 1
581	08 01	Ha	20:11	1.3	13095	S09 W38	1N	1/5	366/II
		SXR	20:14	2.0	BP	177	C9		Don 1
582	08 01	Ha	22:43	0.5	13095	S09 W45	SB	1-/1	366/II
		SXR	22:42	2.0	BP	177	C2		Dén 1
583	08 02	Ha	15:30	0.3	13095	S11 W55	SN	1-/3	366/II
		SXR	15:31	2.0	BP	178	C2		Don 1
584	08 04	Ha	12:41	0.2	13095	S10 W89	SF	1-/3	366/II
		SXR	12:40	2.0	AP	179	C2		Don 1
585	08 19	Ha	09:53E	0.3	13136	S16 W90	2N	-	366/II
		SXR	09:53	4.0	AP	348	C2		Don 1
586	09 06	SXR	15:00	8.0	-	-	C1	-	367/II
587	09 10	Ha	21:21	1.6	13225	N10 E61	2B	3/5	367/II
		SXR	21:10	7.0	D	266	X2		Don 1
588	09 13	Ha	06:35	0.2	13225	N10 E28	SN	-	367/II
		SXR	06:35	5.0	D	267	C2		Don 1
589	09 13	Ha	15:10	2.9	13224	S09 E24	2B	3-/5	367/II
		SXR	15:09	6.0	AP	268	M6		Don 1
590	09 16	Ha	13:23	2.4	13225	N05 W19	SF	-	367/II
		SXR	13:20	7.0	D	268	C6		Don 1
591	09 17	Ha	18:32	1.9	13224	S09 W37	SF	-	367/II
		SXR	18:32	4.0	AP	272	C2		Don 1
592	09 18	Ha	11:08	1.4	13225	N11 W42	2N	1/5	367/II
		SXR	11:08	3.0	D	267	C9		Don 1
593	09 18	Ha	16:10	2.3	13225	N08 W45	1N	1-/3	367/II
		SXR	16:13	6.0	D	267	C9		Don 1
594	09 19	Ha	22:20	1.8	13225	N09 W62	2N	2+/5	367/II
		SXR	22:24	10.0	BP	268	X2		Don 1
595	09 21	Ha	20:22E	0.3D	13225	N14 W88	SF	-	367/II
		SXR	17:00	4.0	BP	272	C2		Don 1
596	09 22	Ha	22:30?	2.0	13225	N13 W90	1B	-	367/II
		SXR	22:30	8.0	BP	272	M6		Don 1
597	09 23	Ha	12:00E	0.1?	13225	N07 W90	1N	2+/5	367/II
		SXR	11:58	6.0	BP	272	M2		Don 1

Table 1 continued

1974

598	10 03	Ha	20:47	1.0	13262	N00 E01	1F	-	368/II
		SXR	20:47	4.0	AP	021	C1		Don 1
599	10 05	Ha	15:08	0.6	13278	S20 E44	SN	1-/1	368/II
		SXR	14:05	2.0	BP	317	C8		Don 1
600	10 06	Ha	21:48	0.8	13278	S18 E23	SN	1/5	368/II
		SXR	21:23	2.0	BP	317	M1		Don 1
601	10 11	Ha	14:25	1.2	13280	N12 W03	1B	1+/5	368/II
		SXR	14:25	2.0	BP	282	M9		Don 1
602	10 12	Ha	11:49	0.4	13280	N14 W16	SN	2+/5	368/II
		SXR	11:49	4.0	D	284	M1		Don 1
603	10 13	Ha	08:50	2.2	13280	N11 W29	SB	1+/3	368/II
		SXR	10:40	4.0	D	284	M1		Don 1
604	10 15	Ha	08:11	0.9	13280	N09 W43	2N	1+/5	368/II
		SXR	08:16	4.0	AP	285	M2		Don 1
605	10 15	Ha	13:24	1.1	13280	N08 W47	1B	2+/5	368/II
		SXR	13:22	2.0	AP	285	M2		Don 1
606	10 16	Ha	12:58	1.2	13280	N11 W61	1B	2+/5	368/II
		SXR	13:00	2.0	BP	284	M1		Don 1
607	10 19	SXR	00:45	4.0	-	-	M1	1/5	Don 1
608	10 31	Ha	15:39	0.2	13324	N16 E90	SN	3/5	368/II
		SXR	15:44	8.0	AP?	286	M9		Don 1
609	11 04	Ha	07:43	1.1	13324	N13 E39	1N	1/5	369/II
		SXR	07:40	4.0	BP	278	C9		Don 1
610	11 05	Ha	15:29	0.5	13310	S12 W78	1N	2+/5	369/II
		SXR	15:34	2.0	BP	027	X1		Don 1
611	11 06	Ha	03:10	0.4	13310	S13 W86	1B	2/3	369/II
		SXR	03:08	2.0	BP	027	M2		Don 1
612	11 07	Ha	15:23	0.5	13324	N14 W02	SN	1-/3	369/II
		SXR	15:27	2.0	A	284	C2		Don 1
613	11 19	Ha	12:32	0.3	13343	N05 E89	SF		369/II
		SXR	12:45	3.0	AP?	045	C6		Don 1
614	12 12	Ha	01:07	0.5	13373	N11 E17	SB	1-/1	370/II
		SXR	01:09	2.0	BP	173	C6		Don 1
615	12 22	Ha	16:01	2.1	13383	N06 E14	1N	1-/1	370/II
		SXR	16:13	2.0	AP	034	C2		Don 1

1975

616	01 03	Ha	03:23	0.6	13404	N08 W89	1B	1-/3	371/II
		SXR	03:35	2.0	BF	336	C8		Don 1

Table 1 continued

1975									
617	08 01	Ha	23:57	0.8	13786	N05 E44	SF	1-/5	378/II
	02	SXR	00:10	2.0	AP	310	M2		Don 1
618	08 03	Ha	03:22	1.6	13786	N06 E28	1B	2/3	378/II
		SXR	03:14	4.0	D	312	M4.6		Don 1
619	08 14	Ha	10:30	0.9	13790	N07 W68	1N	2/3	378/II
		SXR	10:29	2.0	B	253	C4		373/I
620	08 21	Ha	08:36	0.5	13811	N28 W72	SB	2/3	378/II
		SXR	08:33	2.0	AP	170	M1.4		373/I
621	08 21	Ha	15:09	0.5	13811	N26 W74	1B	2+/1	378/II
		SXR	15:12	2.0	AP	170	M9.5		373/I
622	08 21	Ha	19:47	0.3	13811	N26 W77	SB	2/5	378/II
		SXR	19:46	2.0	AP	170	M2.3		373/I
623	08 22	Ha	01:08E	0.6	13811	N27 W81	1B	2/5	378/II
		SXR	01:12	2.0	AP?	170	M8.6		373/I
624	08 22	Ha	05:09	0.5	13811	N27 W85	1B	2/5	378/II
		SXR	05:20	2.0	AP?	170	M3.3		373/I
625	08 22	Ha	11:58	0.9	13811	N25 W87	SB	3-/3	378/II
		SXR	11:59	2.0	AP?	170	M4.7		373/I
626	09 12	Ha	?	?	13840	N36 W67	?	5/1	379/II
		SXR	16:13	2.0	∅	231	C7		374/I
627	11 05	Ha	18:35	0.7	13926	N04 E67		1-/5	381/II
		SXR	18:44	2.0	AP	104	C4.7		376/I
628	11 15	Ha	18:47	1.3	13937	S07 E61	SN	-	381/II
		SXR	18:44	4.0	D	345	C4.1		376/I
629	11 16	Ha	05:37	0.7	13937	S07 E47	1B	1/3	381/II
		SXR	05:36	2.0	Y	344	M1.1		376/I
630	11 16	Ha	21:38	0.8	13926	N05 W76	SF	-	381/II
		SXR	21:46	2.0	AP or ∅	105	C3.3		376/I
631	11 18	Ha	19:05	1.3	13937	S 07 E19	SN	-	381/II
		SXR	19:05	4.0	D	346	C3		376/I
632	11 21	Ha	06:05	1.3	13937	S07 W21	1B	1+/3	381/II
		SXR	06:08	4.0	BF	346	M2.3		376/I
633	12 05	Ha	07:40	1.1	13964	N06 W06	1B	1-/1	382/II
		SXR	07:46	2.0	BP	146	C9		Don 1
1976									
634	01 12	Ha	06:34E	0.6	14029	S09 E82	SN	-	383/II
		SXR	06:13	2.0	BP	283	M1.0		Don 1

Table 1 continued

1976									
635	03 21	Ha	07:50	0.7	14127	N04 W29	1B	3/5	385/II
		SXR	07:52	2.0	D	198	M4.3		380/I
636	03 23	Ha	09:07	0.6	14143	S07 E90	SN	3/5	385/II
		SXR	08:39	4.0	X	045	M1		380/I
637	03 24	Ha	00:11	0.5	14127	N02 W66	1N	1+/5	385/II
		SXR	00:13	2.0	BP	201	M1.5		380/I
638	03 25	Ha	11:54	0.6	14143	S06 E75	SN	1/1	385/II
		SXR	11:34	6.0	D	043	M1.1		380/I
639	03 26	SXR	17:20	3.0	-	-	C2	-	Don 1
640	03 28	Ha	18:34	1.5	14143	S07 E28	1B	1+/5	385/II
		SXR	18:37	8.0	D	042	X1.1		380/I
641	03 31	Ha	11:38	2.2	14143	S07 W09	1N	1/3	385/II
		SXR	11:08	4.0	D	043	C5.7		380/I
642	04 20	Ha	17:40	1.1	14168	N04 W09	1F	-	386/II
		SXR	17:40	4.0	AP	140	C1		381/I
643	04 29	Ha	19:04	0.6	14179	S08 W31	SN	1-/5	386/II
		SXR	18:58	4.0	AF	042	C9.8		381/I
644	04 30	Ha	20:47	0.5	14179	S08 W46	1B	2+/5	386/II
		SXR	20:43	6.0	D	042	X1.8		381/I
645	05 01	Ha	21:40	1.0	14179	S08 W60	SF	1/5	387/II
		SXR	21:41	4.0	D	042	C9		382/I
646	05 15	Ha	10:02	1.1	14211	S14 E59	1N	-	387/II
		SXR	10:02	2.0	AP	110	C1		382/I

Table 2

Long decay Soft X-ray flares in the 2+st cycle
(August 1976 - March 1986)

No	Date	Event	Start UT	Dur hr	Group No	Position	Imp	SID	Ref
1976									
001	08 22	Ha	12:17E	0.1D	14366	S02 W90	SN	2+/5	390/II
		SXR	12:08	2.0	BF?	017	M2.7		385/I
002	09 01	Ha	22:40E	0.3D	14403	N19 W69	SN	1/5	391/II
		SXR	22:50	2.0	BP	223	C4		387/I
003	09 03	Ha	06:19E	0.3D	14403	N18 W84	SN	1/3	391/II
		SXR	06:10	2.0	AP	223	C2		387/I

Table 2 continued

1976									
004	09 17	Ha	18:05	1.0	14429	N20 E82	1N	1/5	391/II
		SXR	18:06	2.0	∅	225	C3		387/I
005	10 28	Ha	05:00	?	14494	N30 W61	?	-	Don 1
		SXR	05:00	2.0	B	187	C4		388/I
006	12 17	SXR	10:01	2.0	?	?	C2	-	389/I
007	12 28	Ha	18:01	0.3	14579	S21 E27	SF	-	394/II
		SXR	18:01	2.0	BP	011	C2		389/I
1977									
008	01 04	Ha	17:19	0.6	14579	S22 W71	SB	1-/1	395/II
		SXR	17:17	2.0	AP	014	C3.0		390/I
009	02 02	Ha	04:23	0.9	14630	N27 E37	SN	-	396/II
		SXR	04:17	2.0		272	C5.4		391/I
010	02 03	SXR	22:20	2.0	-	-	-		391/I
011	02 13	Ha	17:08	0.3	14637	S41 W13	SN	1/5	396/II
		SXR	17:05	4.0	B	161	M2.0		391/I
012	02 28	Ha	?	?	14674	N17 E10	?	1/5	396/II
		SXR	20:11	2.0	AF?	200	C5.0		391/I
013	04 11	Ha	?	?	14726	S21 E90	?	1/5	398/II
		SXR	21:15	2.0	AP	031	C5		Don 2
014	04 12	Ha	09:32	1.1	14726	S21 E82	1B	3-/5	398/II
		SXR	09:48	4.0	B	025	M9		Don 2
015	04 13	Ha	17:15	1.0	14726	S20 E61	SN	1/5	398/II
		SXR	17:18	2.0	Y	025	C7.1		393/I
016	04 13	Ha	21:30	1.4	14726	S20 E58	1N	1/5	398/II
		SXR	21:20	2.0	Y	025	C9.3		393/I
017	04 14	Ha	06:50E	0.1D	14726	S22 E53	SF	2+/5	398/II
		SXR	05:31	2.0	Y	025	M3.0		393/I
018	04 16	Ha	23:07	1.6	14726	S21 E18	1B	1/5	398/II
		SXR	23:02	6.0	Y	025	M1.3		393/I
019	06 24	Ha	08:00	1.4	14822	N15 E75	SF	-	400/II
		SXR	08:00	5.0	D	146	C8		Don 2
020	06 25	Ha	23:29	0.2D	14822	N15 E51	SN	-	400/II
		SXR	23:22	4.0	D	147	C2.3		396/I
021	06 28	Ha	03:39	1.5	14815	S22 W37	SN	-	400/II
		SXR	04:45	2.0	BP	146	C1.2		396/I
022	07 19	Ha	?	?	14863	N20E62	?	-	401/II
		SXR	22:44	4.0	AP	181	C8.7		397/I

Table 2 continued

1977

023	08 31	Ha	10:04	1.0	14930	N26 E80	2N	1-/3	402/II
		SXR	10:16	2.0			C5.2		397/I
024	09 07	Ha	02:20	0.3D	14941	N22 E70	SN	?	398/I
		SXR	02:20	4.0			C2		Don 2
025	09 07	Ha	16:50E	0.2D	14941	N20 E65	SN	?	398/I
		SXR	16:50	4.0					Don 2
026	09 07	Ha	22:55	1.2	14943	N07 E90	1N	?	398/I
		SXR	22:55	8.0	D	198	X1		Don 2
027	09 09	Ha	16:30	0.6	14943	N08 E84	1N	?	398/I
		SXR	16:30	6.0	D	198	X1		Don 2
028	09 16	Ha	22:30	1.2	14943	N07 W20	2N	?	398/I
		SXR	22:30	6.0	D	198	M8		Don 2
029	09 18	Ha	00:19	0.6D	14942	N07 W33	1B	?	398/I
		SXR	00:00	5.0		188	M2		Don 2
030	09 19	Ha	09:55	2.2	14943	N05 W57	3B	?	398/I
		SXR	09:55	10.0	D	198	X2		Don 2
031	09 20	Ha	02:51	3.0	14943	N09 W59	2N	?	398/I
		SXR	02:51	8.0	D	198	M4		Don 2
032	09 24	Ha	?	?	14943	?	?	?	398/I
		SXR	09:30	6.0	D	198			Don 2
033	09 25	Ha	09:11	1.0	14952	S21 W32	SF	?	398/I
		SXR	09:11	2.0			C4		Don 2
034	09 29	Ha	06:23E	0.2D	14963	N16 E30	SN	?	398/I
		SXR	06:00	2.0	B	348			Don 2
035	10 05	Ha	15:28	0.4	14967	N31 W51	SN	-	404/II
		SXR	15:28	2.0	B	338	C2		399/I
036	10 06	Ha	09:41	0.3	14967	N33 W62	SN	?	404/II
		SXR	10:00	2.0	B	338	C6		399/I
037	10 08	Ha	12:30	1.5	14979	N06 E44	1N	1-/5	404/II
		SXR	12:30	2.0	D	205	C4		399/I
038	11 18	Ha	17:26E	0.1D	15031	N20 E07	SF	1-/5	405/II
		SXR	16:44	2.0	B	061	C2.1		400/I
039	11 22	Ha	09:45	1.4	15031	N24 W40	2B	2-/5	405/II
		SXR	09:46	4.0	BF	059	X1.0		400/I
040	12 07	Ha	19:51E	0.5	15049	S19 W22	1B	1-/5	406/II
		SXR	19:47	2.0	BY	205	C5.0		401/I
041	12 11	Ha	00:32	0.7	15056	S27 E06	1N	1/3	406/II
		SXR	00:15	2.0	D	142	C7.9		401/I

Table 2 continued

1977									
042	12 11	Ha	21:45	1.4	15056	S27 W05	1N	2-/5	406/II
		SXR	21:45	2.0	D	142	M4.7		401/I
043	12 12	Ha	02:19	0.5	15056	S27 W08	SN	2-/5	406/II
		SXR	02:20	2.0	AP	142	M1		401/I
044	12 26	Ha	01:50	0.2	15074	S26 W57	SF	2+/3	406/II
		SXR	01:51	3.5	X	357	M3.1		401/I
045	12 26	Ha	23:22	0.6	15074	S27 W72	1N	2/5	406/II
		SXR	23:23	2.0	X	357	M3.3		401/I
046	12 27	Ha	10:45	0.7	15074	S25 W79	1N	1/5	406/II
		SXR	10:39	2.0	X	357	M1.0		401/I
047	12 28	Ha	08:22	0.5	15081	S17 E63	1N		406/II
		Ha	08:56	0.9	15081	S19 E68	SN	2/3	401/I
		SXR	08:53	4.0	X	205	M1.3		Don 2
048	12 29	Ha	09:02	0.2	15083	S18 E76	SN	2/5	406/II
		SXR	08:55	2.0	-	180	C8.7		401/I
1978									
049	01 01	Ha	21:45	0.5D	15081	S21 E06	2N	1+/5	407/II
		Ha	21:47	0.5D	15083	S19 E28	SN		402/I
		SXR	21:42	5.0	AP	205	M2.7		Don 2
050	01 07	Ha	01:23	0.9	15081	S21 W63	1F	1/1	407/II
		SXR	01:23	2.0	B	203	C3		402/I
051	01 07	Ha	03:05	0.4	15081	S23 W65	SN	1+/1	407/II
		SXR	03:01	2.0	B	203	C4.8		402/I
052	01 07	Ha	06:32	0.3	15081	S16 W65	1F	2+/2	407/II
		SXR	06:32	3.0	B	203	M2.3		402/I
053	01 07	Ha	11:13	2.1	15081	S20 W71	SN	2+/5	407/II
		SXR	11:49	3.0	B	203	M2.4		402/I
054	01 08	Ha	02:05	1.3	15081	S20 W79	2N	3-/3	407/II
		SXR	02:00	3.5	D	203	M2.6		402/I
055	01 26	Ha	23:12	1.1	15112	N19 W14	SN	1-/3	407/II
		SXR	23:10	2.0	B	254	C4		402/I
056	02 11	Ha	23:41	1.2	15139	N13 W08	1N	2/3	408/II
		SXR	23:48	2.0	X	029	M1.7		403/I
057	02 13	Ha	01:15	2.1	15139	N13 W24	2N	3/3	408/II
		SXR	01:48	10.0	-	029	M6.2		403/I
058	02 13	Ha	02:26	2.6	15139	N13 E24	1N	1-/3	408/II
		SXR	02:26	8.0		029	C4		403/I

Table 2 continued

1978

059	03 04	Ha	00:20	0.9	15172	N17 E44	1N	1/5	409/II
		SXR	00:29	2.0	B	071	C9.9		404/I
060	03 04	Ha	02:32	1.5	15172	N25 E51	1N	1/3	409/II
		SXR	02:33	2.0	B	071	C6.3		404/I
061	03 04	Ha	12:15	1.5	15172	N18 E39	1N	1+/5	409/II
		SXR	12:15	2.5	B	071	C8		404/I
062	03 06	Ha	11:25	2.9	15172	N26 E20	2B	2-/5	409/II
		SXR	11:25	8.0	B	071	M2.3		404/I
063	03 14	Ha	04:02	1.3	15172	N28 W90	SF	1/3	409/II
		SXR	05:00	8.0	AP	071	C7.8		404/I
		Ha	06:46	0.6D	15172	N26 W90	1N		
064	03 26	Ha	00:46	0.5	15184	N20 W75	SN	-	409/II
		SXR	00:03	3.0	AP	264	C2		404/I
065	03 26	Ha	08:20E	0.7	15187	N23 W48	SB	-	409/II
		SXR	08:20	2.0	AP	230	C2		404/I
066	04 04	Ha	21:44	0.6	15221	N20 E32	SN	1+/5	410/II
		SXR	21:44	2.0	B	035	C4		406/I
067	04 05	Ha	02:52	1.4	15221	N20 E31	SN	1-/1	410/II
		SXR	02:52	2.0	B	035	C2		406/I
068	04 07	Ha	19:17	0.4	15221	N20 W05	SB	1-/3	410/II
		SXR	19:00	4.0	B	035	C4		406/I
069	04 08	Ha	01:09	3.6	15221	N19 W11	2B	3/5	410/II
		SXR	01:09	10.0	B	031	M9		406/I
070	04 09	Ha	12:02	0.2	15221	N18 W25	1N	1-/5	410/II
		SXR	12:02	2.0	B	031	C2		406/I
071	04 11	Ha	13:42	1.4	15221	N22 W56	?B	3+/5	410/II
		SXR	13:42	8.0	D	031	X2		406/I
072	04 12	Ha	06:44E	0.8	15221	N20 W65	2N	2/5	410/II
		SXR	06:30	2.0	D	031	M1		406/I
073	04 14	Ha	23:12	0.3	15221	N26 W90	SN	2/5	410/II
		SXR	22:41	2.0	B	031	M2		406/I
074	04 15	SXR	17:00	4.0	15221?	031	?	-	Don 2
075	04 19	Ha	06:49	0.7	15248	N 21 E48	SN	1+/5	410/II
		SXR	06:49	3.0	B	188	C6		406/I
076	04 21	Ha	08:05E	0.3	15254	N24 W55	SN	2/5	410/II
		Ha	08:50E	0.7	15254	N20 W54	SF		406/I
		SXR	07:31	2.0	B	266	C4		Don 2

Table 2 continued

1978

077	04 23	SXR	04:02	12.0	15254?	266	M6	2+/5	406/I
078	04 23	Ha	21:17E	0.7	15255	N18 W40	SN	2+/5	410/II
		SXR	20:16	4.0	B	214	M4		406/I
079	04 25	Ha	15:35	1.3	15266	N18 E72	1B	2/5	410/II
		SXR	15:34	3.0	B	073	M1		406/I
080	04 28	Ha	13:04	9.4	15266	N22 E38	3B	3+/5	410/II
		SXR	13:04	12.0	D	073	X5		406/I
081	04 29	Ha	20:10E	2.0	15266	N20 E14	2B	3/5	410/II
		SXR	18:54	5.0	D	073	X3		406/I
082	04 30	Ha	14:20	4.7	15266	N28 E14	3B	3/5	410/II
		SXR	14:43	6.0	D	073	X2		406/I
083	05 01	Ha	19:10E	3.3D	15266	N21 W12	2B	?	411/II
		SXR	19:10E	4.5	D	073	M5		406/I
084	05 02	Ha	01:18E	0.9D	15266	N26 E03	SN	?	411/II
		SXR	01:18	3.0	D	073	M1		406/I
085	05 06	SXR	21:19	2.5	-	-	M1.2	?	406/I
086	05 07	Ha	03:27	0.5	15266	N23 W72	1N	?	411/II
		SXR	03:21	4.0	D	073	X1.7		406/I
087	05 07	Ha	15:44	0.7	15266	N18 W66	1B	?	411/II
		SXR	15:48	2.0	D	073	M4.4		406/I
		SXR	17:02	2.0			M3.5		
088	05 08	SXR	00:30	2.0	15266?	073?	M4	?	411/II
089	05 08	SXR	02:00	2.0			M2		411/II
090	05 08	Ha	12:12	1.0	15266	N22 W76	1B	?	411/II
		SXR	12:02	4.0	D	073	M6.0		406/I
091	05 09	Ha	14:42	0.5	15266	N21 W90	1N	?	411/II
		SXR	14:42	4.0		073	M8		406/I
092	05 10	SXR	08:09	4.0	15266?	073?	M1.8	?	406/I
093	05 13	Ha	07:42	1.0	15280	S28 W70	1B	?	411/II
		SXR	07:35	2.0			C6.5		406/I
094	05 22	Ha	14:59	0.7	15314	N18 E69	SN	?	411/II
		SXR	14:58	5.0		075	C3.3		406/I
095	05 23	Ha	00:15	0.9	15314	N18 E69	1N	?	411/II
		SXR	00:15	4.0		075	M1.9		406/I
096	05 24	Ha	19:01	2.1	15314	N17 E42	1B	?	411/II
		SXR	19:06	4.0		075	M1.5		406/I

Table 2 continued

1978

097	05 26	Ha	05:51	1.4D	15314	N17 E36	SF	?	411/II	
		SXR	05:51	6.0			075		C9	406/I
098	05 28	Ha	13:10	1.5	15314	N20 W17	1B	?	411/II	
		SXR	13:11				075		M1.2	406/I
		SXR	14:56	3.0					X1.2	
099	05 30	Ha	06:30E	2.0	15314	N16 W30	2B	?	411/II	
		SXR	07:12	2.0			075		M5.4	406/I
100	05 31	Ha	10:06	3.8	15314	N20 W43	3B	?	411/II	
		SXR	10:09	10.0			075		M5.7	406/I
101	06 16	Ha	22:19	1.0	15352	N16 W68	1N	1/1	412/II	
		SXR	22:19	3.5	B	245	C5		408/I	
102	06 22	Ha	16:43	6.0	15368	N18 E16	2B	2+/5	412/II	
		SXR	16:43	5.0	AP	077	M2		408/I	
103	06 26	Ha	15:35	0.3D	15375	S16 W04	SN	3/5	412/II	
		SXR	15:33	4.5	BY	048	M2		408/I	
104	07 05	Ha	11:18	1.8	15389	S27 W29	SB	2/5	413/II	
		SXR	11:36	3.0	BY	323	C7.4		409/I	
105	07 05	Ha	17:48	1.5	15389	S27 W33	SB	1-/3	413/II	
		SXR	17:46	4.0	BY	323	C2.9		409/I	
106	07 08	Ha	19:46	0.6	15403	N16 E82	?N	2+/5	413/II	
		SXR	19:43	5.0	D	168	M3.6		409/I	
107	07 09	Ha	12:12	4.3	15403	N19 E70	1B	2/5	413/II	
		SXR	12:11	4.0	D	165	M3.8		409/I	
108	07 09	Ha	18:11	3.3	15403	N19 E68	2B	2+/5	413/II	
		SXR	18:04	4.0	D	165	X3.4		409/I	
109	07 10	Ha	05:55	1.6	15403	N18 E61	3B	3/5	413/II	
		SXR	06:00	5.0	D	169	X8.1		409/I	
110	07 10	Ha	16:55	1.0	15403	N17 E54	2B	2-/5	413/II	
		SXR	17:25	3.0	D	169	M7.9		409/I	
111	07 11	Ha	03:53	0.4	15403	N17 E51	2B	1/3	413/II	
		SXR	03:52	4.0	D	169	M1.8		409/I	
112	07 11	Ha	10:31	2.5	15403	N18 E45	2B	3/5	413/II	
		SXR	10:31	10.0	D	169	X11.5		409/I	
113	07 18	Ha	19:27	0.7	15403	N17 W52	2B	3/5	413/II	
		SXR	19:44	4.0	D	169	M6.0		409/I	
114	07 20	Ha	00:02	0.9	15403	N17 W70	1N	2/5	413/II	
		SXR	00:01	2.0	D	167	M1.4		409/I	

Table 2 continued

1978

115	07 21	SXR	15:38	2.0	15403?	167	M1.1	1/5	409/I
116	07 21	Ha	18:57	0.5	15403	N17 W90	1B	2/5	413/II
		SXR	18:22	4.0	D	167	M8.0		409/I
117	07 22	SXR	12:50	3.0	15403?	167	M1.5	1/5	409/I
118	07 29	Ha	10:26	0.8	15443	N22 E72	1N	1-/1	413/II
		SXR	10:41	2.0	AP	276	C4.3		409/I
119	08 14	Ha	08:25E	0.2	15474	S20 W88	SF	1-/5	414/II
		SXR	08:19	4.0	AF	214	C3.4		410/I
120	08 27	Ha	15:59	1.0	15496	N20 E60	SB	1-/5	414/II
		SXR	15:57	2.0	B	269	C8.3		410/I
121	08 30	Ha	15:30	1.5	15508	N18 E65	1B	2/5	414/II
		SXR	15:01	4.5	B	220	M2.9		410/I
122	09 02	Ha	05:33	0.8	15509	S34 E51	2B	2/5	416/II
		SXR	05:15	2.0	BF	190	M9.4		411/I
123	09 04	Ha	08:12	1.2	15521	S15 E52	2N	2/5	416/II
		SXR	08:25	2.0	X	169	M2.0		411/I
124	09 07	Ha	13:53	1.9	15525	N33 E58	1B	1-/3	416/II
		SXR	13:58	2.0	B	118	C4.0		411/I
125	09 16	Ha	13:26	0.8	15543	N36 E37	SB	1/5	416/II
		SXR	13:24	2.0	AF	020	M2.4		411/I
126	09 17	Ha	08:26	0.9	15543	N35 E27	1N	3/5	416/II
		SXR	08:23	2.0	AF	020	M4.3		411/I
127	09 17	Ha	14:59	1.3	15543	N36 E23	2N	3/5	416/II
		SXR	14:56	2.0	AF	020	M4.6		411/I
128	09 23	Ha	02:30	1.5	15551	N28 E41	SB	1-/1	416/II
		SXR	02:06	2.5	BP	294	C5.5		411/I
129	09 23	Ha	09:44	2.5	15543	N35 W50	3B	2+/5	415/II
		SXR	09:41	10.0	B	020	X1.3		411/I
130	09 27	Ha	08:18	0.9	15551	N30 W16	1N	1-/5	415/II
		SXR	08:25	2.0	BP	294	M1.1		411/I
131	09 27	Ha	14:28	1.3	15551	N27 W19	2B	2/5	415/II
		SXR	14:32	6.0	BP	294	M3.1		411/I
132	09 29	Ha	10:46	2.0	15564	S31 E55	1N	1-/5	415/II
		SXR	10:43	4.0	AP	213	M1.0		411/I
133	10 01	Ha	06:53	2.0	15570	S13 E57	2N	3/1	416/II
		SXR	06:56	4.0	BP	155	M7.6		412/I
134	10 05	Ha	13:55	1.4	15570	S17 E04	SN	1-/1	416/II
		SXR	13:36	3.0	Y	158	C4.7		412/I

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Table 2 continued

1978

135	10 08	Ha	20:07	1.0	15570	S13 W44	SB	1-/3	416/II
		SXR	20:07	5.0	Y	157	C8		412/I
136	10 09	Ha	19:51	1.8	15570	S14 W61	1B	1/5	416/II
		SXR	19:37	5.0	Y	154	M4.4		412/I
137	10 10	Ha	10:08	0.6	15570	S12 W69	SN	1-/5	416/II
		SXR	10:07	2.0	AP	158	C5.0		412/I
138	10 11	Ha	08:35	1.2	15587	S19 E32	2N	-	416/II
		SXR	08:37	2.0	AP	064	C6.7		412/I
139	10 11	Ha	14:37	1.5	15587	S15 E13	SF	1-/1	416/II
		SXR	14:37	2.0	AP	064	C2.0		412/I
140	10 12	Ha	01:21	1.2	15569	N11 W90	1N	2/3	416/II
		SXR	01:24	5.0	B	141	M1.4		412/I
141	10 12	Ha	14:40	0.2	15570	S12 W90	1B	1-/5	416/II
		SXR	14:44	6.0	AP	158	M1.1		412/I
142	10 14	Ha	07:01E	0.2	15582	S22 W82	SN	1-/1	416/II
		SXR	06:47	2.0	B	115	M1.4		412/I
143	10 14	Ha	15:10	1.1	15587	S17 W30	SF	1-/5	416/II
		SXR	15:10	2.0	Y	043	C5		412/I
144	10 14	Ha	21:10	0.2	15591	S20 E29	SN	1-/5	416/II
		SXR	21:15	3.0	AP	008	M1.1		412/I
145	10 14	Ha	23:42	0.2	15582	S21 W87	SN	2/5	416/II
		SXR	23:25	2.0	B	115	M9.3		412/I
146	10 15	Ha	08:56	0.2	15589	N21 W12	SF	1-/1	416/II
		SXR	08:56	4.0	B	039	MB		412/I
147	10 15	Ha	09:44	0.3	15582	S19 W90	SB	2/5	411/I
		Ha	10:10	0.3	15591	S21 E23	SN	2/5	411/I
		Ha	11:08	0.6	15591	S22 E20	1N	1-/5	416/II
		SXR	09:30	5.0	AP	007	M1		412/I
148	10 15	Ha	18:31	0.6	15587	S20 W32	1B	1-/5	416/II
		SXR	18:29	2.0	AP	063	C8.9		412/I
149	10 25	Ha	02:00	1.3	15610	N28 W05	1N	1-/1	416/II
		SXR	02:00	4.0	B	265	C5.2		412/I
150	10 25	Ha	11:39	0.8	15620	S16 E62	SN	1-/5	416/II
		SXR	11:27	2.0	BP	202	C6.7		412/I
151	11 01	Ha	13:27	1.2	15619	N22 W55	1B	1-/5	417/II
		SXR	13:27	2.0	BP	210	C9.7		413/I
152	11 01	SXR	21:14	4.0	-	-	C6.4	1-/1	417/II

Table 2 continued

1978

153	11 07	Ha	16:18	1.2	15643	N22 E40	1N	1-/5	417/II
		SXR	16:14	6.0	BP	049	C7.1		413/I
154	11 10	Ha	00:48	1.7	15643	N17 E01	2N	2-/3	417/II
		SXR	00:48	6.0	BP	044	M2		413/I
155	11 24	SXR	22:18	3.0	-	-	C3.7	1-/1	417/II
156	11 28	Ha	05:11	1.6	15682	N14 E47	2N	1-/3	417/II
		SXR	05:15	4.0	AP	124	M1.6		413/I
157	11 29	Ha	02:04	0.3	15673	N12 W57	?F	-	417/II
		SXR	02:07	2.0	B	210	C2.1		413/I
158	11 30	Ha	06:40E	0.2	15687	S14 E43	SB	1-/1	417/II
		SXR	06:35	2.0	AP	087	C2.7		413/I
159	12 03	Ha	11:05	0.1	15687	S15 W06	SF	-	418/II
		SXR	11:01	2.0	BP	078	C4.8		414/I
160	12 06	Ha	23:25	0.6	15697	S14 E77	1N	1-/3	418/II
		SXR	23:34	2.0	B	338	C5.0		414/I
161	12 07	Ha	09:56	0.5	15687	S16 W47	1B	2/5	419/II
		SXR	09:55	2.0	BP	093	M3.3		414/I
162	12 07	Ha	19:50E	1.1	15697	S14 E74	1N	1/5	419/II
		SXR	19:39	2.0	BP	334	M2.0		414/I
163	12 10	Ha	23:32	1.8	15697	S13 E29	2N	2/5	419/II
		SXR	23:32	5.0	BY	334	M3.0		418/II
164	12 11	Ha	19:11	2.8	15694	S19 W50	2B	1-/5	419/II
		SXR	19:15	6.0	D	037	X1.1		418/II
165	12 12	Ha	03:35	0.4	15694	S18 W54	1B	1/3	418/II
		SXR	03:43	2.0	D	037	M1.1		419/II
166	12 12	Ha	10:02	2.3	15694	S17 W60	1N	2/5	418/II
		SXR	09:59	4.0	D	037	M5.8		419/II
167	12 12	Ha	15:03	1.5	15696	S22 W14	SN	2/5	418/II
		SXR	15:09	4.0	BP	348	X2.5		419/II
168	12 13	Ha	03:40	2.7	15697	S15 W01	2B	2+/3	418/II
		SXR	03:52	4.0	B	333	M9.5		419/II
169	12 13	Ha	10:14	0.3	15694	S16 W70	?N	2+/5	418/II
		SXR	10:11	2.0	BY	036	M6.8		419/II
170	12 13	Ha	23:43	0.7	15694	S17 W80	1N	3/2	418/II
		SXR	23:51	4.0	BY	036	X1.1		419/II
171	12 14	Ha	07:17	0.2	15694	S17 W82	1B	2/3	418/II
		SXR	07:14	2.0	BY	036	X1.0		419/II

Table 2 continued

1978									
172	12 16	Ha	03:50	0.5	15697	S14 W35	1N	1-/5	418/II
		SXR	03:49	3.0	AP	333	C9.2		419/II
173	12 17	Ha	07:29	0.6	15697	S15 W51	2N	3/5	418/II
		SXR	07:30	4.0	AP	333	M8.5		419/II
174	12 21	Ha	16:45	0.8	15704	N18 W71	1B	1-/5	418/II
		SXR	16:45	2.0	B	289	C9		419/II
175	12 23	SXR	22:21	4.0	-	-	M1.0	1-/5	418/II
176	12 23	SXR	22:18	2.5	-	-	M1.5	1-/5	418/II
177	12 27	Ha	16:26	1.7	15733	S13 E43	2B	2/5	418/II
		SXR	16:25	4.0	BY	096	X1.0		414/I
178	12 30	Ha	05:41	1.2	15746	S20 E66	2B	1+/3	418/II
		SXR	05:37	4.0	AP	030	M7.0		414/I
1979									
179	01 08	Ha	02:23	0.9	15754	N17 E52	1B	2+/3	420/II
		SXR	02:23	3.5	AP	306	M1		419/II
180	01 13	Ha	13:23	0.8	15754	N15 W09	SF	1-/5	415/I
		SXR	13:23	2.0	AP	307	M1		420/II
181	01 13	Ha	19:31	0.7	15754	N16 W10	1N	2-/5	415/I
		SXR	19:31	2.0	AP	307	M9		420/II
182	01 15	Ha	07:39	0.3	15748	S18 W75	SN	-	415/I
		SXR	07:39	3.0	Y	328	M1		420/II
183	01 15	Ha	11:05	0.5	15748	S22 W77	1N	2/3	415/I
		SXR	11:05	2.0	Y	328	M1		420/II
184	01 22	Ha	09:55	1.0	15786	S32 E69	1B	1-/3	415/I
		SXR	09:55	2.0	BP	096	C9		420/II
185	02 24	Ha	23:14	1.9	15830	N20 W66	1F	-	422/II
		SXR	23:14	5.0	BF	150	M2		420/II
186	02 25	Ha	06:38	0.7	15849	S20 E60	1N	1+/1	422/II
		SXR	06:38	3.0	AP	014	M1		420/II
187	02 26	Ha	08:14E	0.4D	15830	N15 W90	SN	-	422/II
		SXR	08:00	2.0	AP	147	C9		420/II
188	03 01	Ha	09:55	1.3	15856	S23 E58	3N	3/5	423/II
		SXR	09:55	2.0	AP	321	M9		421/II
189	03 02	Ha	01:15	0.3	15863	N14 E79	SF	-	423/II
		SXR	01:00	3.0	AP	295	C3		421/II

Table 2 continued

1979

190	03 05	Ha	14:09	0.7	15863	N12 E25	1B	2+/5	423/II
		SXR	14:09	6.0	B	287	M1		421/II
191	03 09	Ha	09:35	1.3	15874	N17 E80	1N	1-/3	423/II
		SXR	09:35	4.0	Y	199	M9		421/II
192	03 11	Ha	06:50	1.0	15877	N20 E71	1B	1+/5	423/II
		SXR	06:50	2.0	AP	175	C9		421/II
193	03 11	Ha	15:54	2.0	15865	S15 W05	1N	1/5	423/II
		SXR	15:54	2.5	B	250	C5		421/II
194	03 15	Ha	06:41	2.0	15874	N19 W04	1B	-	423/II
		SXR	06:41	2.0	AP	186	C9		421/II
195	03 16	Ha	14:11	0.9	15877	N19 E26	1B	2/5	423/II
		SXR	14:11	2.0	B	175	C9		421/II
196	03 18	Ha	13:55	0.9	15880	N40 W14	SN	2/5	423/II
		SXR	13:55	2.0	AP	169	C9		421/II
197	03 19	Ha	16:54	0.9	15887	N07 E15	1B	2/5	423/II
		SXR	16:54	3.0	B	131	M8		421/II
198	03 20	Ha	12:18	1.0	15887	N06 E02	1B	1+/5	423/II
		SXR	12:18	3.0	B	131	M1		421/II
199	03 21	Ha	12:58	0.7	15887	N07 W09	1B	2/5	423/II
		SXR	12:58	2.0	B	131	M1		421/II
200	03 21	Ha	20:11	1.5	15887	N07 W14	SB	-	423/II
		SXR	20:11	2.0	B	131	C9		421/II
201	03 22	Ha	03:24	0.5	15887	N07 W19	1B	3/5	423/II
		SXR	03:24	2.0	B	131	M5		421/II
202	03 22	Ha	13:38	2.1	15887	N07 W26	1B	2/5	423/II
		SXR	13:38	3.0	B	131	M5		421/II
203	03 24	Ha	00:37	0.2	15887	N08 W46	SB	-	423/II
		SXR	00:37	3.0	D	131	C7		421/II
204	03 24	Ha	14:41	0.5	15887	N08 W57	SB	2/5	423/II
		SXR	14:41	2.0	D	131	M2		421/II
205	03 25	Ha	00:30	0.9	15887	N07 W64	SN	2+/5	423/II
		SXR	00:30	2.0	D	131	M2		421/II
206	03 25	Ha	18:02	0.5	15887	N08 W71	1B	2/5	423/II
		SXR	18:00	5.0	D	131	X1		421/II
207	03 26	Ha	03:09	0.3	15887	N09 W80	SN	2/5	423/II
		SXR	03:09	2.0	Y	128	M1		421/II
208	03 26	Ha	11:50	1.0	15887	N05 W78	2B	2/5	423/II
		SXR	11:40	4.0	Y	128	M9		421/II

Table 2 continued

1979

209	03 26	Ha	14:03	1.7	15887	N06 W75	1B	1+/5	423/II
		SXR	14:03	4.0	Y	128	M6		421/II
210	03 26	Ha	20:02	0.4	15887	N07 W81	SB	1+/5	423/II
		SXR	20:02	2.0	Y	128	M1		421/II
211	03 27	Ha	06:04	0.2	15887	N07 W90	1N	3/5	423/II
		SXR	05:40	4.0	Y	128	M9		421/II
212	03 27	Ha	11:22	0.6	15918	S25 E79	1N	1/5	423/II
		SXR	11:22	2.0	AP	329	M1		421/II
213	03 27	SXR	21:00	2.0	-	-	M1	1+/5	421/II
214	03 29	Ha	07:15	1.1	15918	S29 E52	1B	2/5	421/II
		SXR	07:15	2.0	AP	327	C9		423/II
215	03 29	Ha	10:22	0.7	15918	S25 E60	SN	1/5	421/II
		SXR	10:22	2.0	AP	327	C5		423/II
216	03 29	Ha	16:56	1.0	15918	S24 E21	SB	1/5	421/II
		SXR	16:56	2.0	D	327	C9		423/II
217	03 30	Ha	23:34	0.3	15914	N26 W02	SB	1+/3	421/II
		SXR	23:34	3.0	AP	359	M1		423/II
218	04 01	Ha	15:48	1.1	15918	S24 E14	SN	1/5	430/II
		SXR	15:48	2.0	D	315	C9		422/II
219	04 02	Ha	00:09	1.0	15918	S25 E07	SB	1/1	430/II
		SXR	00:09	2.0	D	322	C7		422/II
220	04 02	Ha	20:25	1.0	15918	S25 W04	SB	1-/1	430/II
		SXR	20:25	2.0	D	322	C3		422/II
221	04 03	Ha	01:05	1.6	15918	S25 W14	1B	2+/5	430/II
		SXR	01:06	6.0	BY	315	M3		422/II
222	04 03	Ha	19:28	0.4	15914	N28 W60	SN	-	430/II
		SXR	19:28	3.0	AP	357	C5		422/II
223	04 05	Ha	18:23	0.4	15933	N20 E89	SN	-	430/II
		SXR	18:23	2.0	AP	183	M3		422/II
224	04 09	Ha	12:16	1.0	15937	N05 E87	1B	3-/5	430/II
		SXR	12:16	2.0	AP	143	M1		422/II
225	04 11	Ha	13:25	0.5	15940	S26 W42	SN	2/5	430/II
		SXR	13:25	2.0	AP	242	C9		422/II
226	04 11	Ha	21:35	0.9	15948	N05 E71	1N	1-/5	430/II
		SXR	21:35	2.0	AP	133	C7		422/II
227	04 14	Ha	03:33	0.4	15942	N32 E42	SN	1+/1	430/II
		SXR	03:33	2.0	B	124	C7		422/II

Table 2 continued

1979

228	04 17	Ha	20:26	1.4	15942	N28 W12	1N	-	430/II
		SXR	20:26	3.0	B	123	C4		422/II
229	04 25	Ha	21:09	1.3	15967	N19 E35	1N	1/5	430/II
		SXR	21:09	2.5	BY	330	M1		422/II
230	04 26	Ha	20:01	0.8	15967	N12 E31	1B	1-/5	422/II
		SXR	20:01	3.0	BY	337	C7		430/II
231	04 27	Ha	05:37	1.0	15974	N12 E80	1N	3/5	422/II
		SXR	05:37	2.0	AP	273	C9		430/II
232	04 27	Ha	06:33	1.0	15967	N18 E17	1B	3/5	422/II
		SXR	06:36	4.0	BY	332	X1		430/II
233	04 27	Ha	16:28	1.0	15967	N19 E10	SB	2+/5	422/II
		SXR	16:28	2.5	BY	332	M3		430/II
234	04 29	Ha	07:35	0.9	15967	N12 W01	1N	1+/5	422/II
		SXR	07:35	2.0	BP	331	C7		430/II
235	04 30	Ha	01:11	1.6	15974	N11 E38	SN	1-/3	422/II
		SXR	01:11	2.0	BP	276	C4		430/II
236	04 30	Ha	16:16	1.1	15974	N16 E26	SB	1-/3	422/II
		SXR	16:16	2.0	BP	276	C3		430/II
237	05 01	Ha	00:02	0.5	15974	N15 E13	SN	1-/3	430/II
		SXR	00:02	3.5	B	282	C8		423/II
238	05 01	Ha	03:51	0.5	15974	N15 E18	1N	2-/3	430/II
		SXR	03:51	3.0	B	282	C9		423/II
239	05 02	Ha	16:49	1.2	15967	N20 W25	2B	2+/5	430/II
		SXR	16:50	3.0	D	330	M9		423/II
240	05 03	Ha	01:20	1.2	15974	N10 W02	2N	1-/3	430/II
		SXR	01:20	2.5	BY	280	C8		423/II
241	05 06	Ha	22:29	0.3	15974	N13 W56	SN	1/5	430/II
		SXR	22:29	2.0	B	271	C9		423/II
242	05 09	Ha	13:48	1.1	15990	N21 E10	SB	1-/3	430/II
		SXR	13:48	2.0	BY	179	C8		423/II
243	05 11	Ha	00:33	1.0	15990	N21 W08	1N	1-/1	430/II
		SXR	00:33	3.0	B	179	C8		423/II
244	05 13	Ha	02:25	0.2	15996	S22 W14	SN	1-/1	430/II
		SXR	02:25	2.0	BY	154	C5		423/II
245	05 14	Ha	09:32	0.6	16012	N25 E65	1N	1/5	430/II
		SXR	09:32	2.0	B	059	C8		423/II
246	05 19	Ha	20:35	0.3	15999	N16 W84	SB	1/5	430/II
		SXR	20:35	2.0	-		M1		423/II

Table 2 continued

1979

247	05 19	Ha	22:34	0.1	16012	N23 W15	SF	1/5	430/II
		SXR	22:34	2.0	BY	064	M1		423/II
248	05 20	SXR	13:00	3.0	-	-	M2	2/5	423/II
249	05 21	Ha	04:58	0.4	16030	S22 E53	1B	2+/3	423/II
		SXR	04:58	5.0	B	340	M1		430/II
250	05 22	Ha	11:10	1.1	16030	S21 E35	2N	1-/5	423/II
		SXR	11:10	2.0	B	340	C5		430/II
251	06 02	Ha	13:42	2.6	16051	N20 E49	SB	1/5	424/II
		SXR	13:42	2.0	D	179	C9		431/II
252	06 02	Ha	14:13	0.6	16052	S25 E59	SN	1+/5	424/II
		SXR	14:13	2.0	BP	164	C9		431/II
253	06 03	Ha	08:45	2.5	16051	N18 E39	2N	2/5	424/II
		SXR	08:45	4.0	D	179	M2		431/II
254	06 03	Ha	14:33	0.8	16051	N20 E33	SB	2/5	424/II
		SXR	14:33	3.0	D	179	M2		431/II
255	06 04	Ha	03:40	1.5	16051	N19 E30	2B	2/5	424/II
		SXR	03:43	5.0	D	180	M9		431/II
256	06 05	Ha	01:24	0.8	16051	N20 E16	1N	2/5	424/II
		SXR	01:24	2.0	D	180	M1		431/II
257	06 05	Ha	04:55	3.7	16051	N17 E14	2B	2/5	424/II
		SXR	05:00	7.0	D	180	X1		431/II
258	06 06	Ha	21:05	0.6	16067	N17 E71	1B	2/5	424/II
		SXR	21:05	2.0	B	101	M2		431/II
259	06 08	Ha	23:44	1.6	16051	N23 W32	1N	1/1	424/II
		SXR	23:44	3.5	Y	180	C9		431/II
260	06 09	Ha	22:06	1.3	16051	N24 W43	SN	1-/3	424/II
		SXR	22:06	2.0	Y	181	C8		431/II
261	06 10	Ha	08:01	2.6	16051	N22 W46	3B	3/5	424/II
		SXR	08:01	4.0	BY	180	X1		431/II
262	06 16	Ha	22:36	1.2	16067	N14 W63	1B	1/5	424/II
		SXR	22:36	2.0	B	099	C8		431/II
263	06 18	Ha	20:50	0.7	16073	N22 W15	1N	1/5	424/II
		SXR	20:50	2.0	B	030	C9		431/II
264	06 22	Ha	04:46	0.7	16073	N24 W59	2N	1/5	427/II
		SXR	04:46	3.5	AP	034	C7		431/II
265	06 25	Ha	06:08E	1.5	16086	N18 W32	?F	2/5	424/II
		SXR	06:08E	2.5	B	322	M1		431/II

Table 2 continued

1979

266	06 25	Ha	08:16	0.5	16093	N09 E13	SF	-	424/II
		SXR	08:12	3.5	B	279	C9		431/II
267	07 04	Ha	02:03	1.3	16122	N07 E44	2N	1-/1	434/II
		SXR	02:03	3.5	D	125	C5		425/II
268	07 04	Ha	06:15	1.0	16124	S17 E83	SN	1/5	434/II
		SXR	06:15	2.0	AP	093	M1		425/II
269	07 04	Ha	08:29	1.3	16122	N08 E46	1B	1-/5	434/II
		SXR	08:29	3.0	D	125	M1		425/II
270	07 04	Ha	11:34E	4.0	16124	S17 E78	SN	1+/5	434/II
		SXR	11:32	3.0	AP	093	M2		425/II
271	07 04	Ha	19:03	2.1	16122	N11 E36	1B	1+/5	434/II
		SXR	19:03	5.0	D	125	M1		425/II
272	07 22	Ha	21:19	0.4	16161	N15 W67	SN	1-/5	434/II
		SXR	21:19	3.0	D	353	C9		425/II
273	07 24	Ha	07:42	0.9	16156	N31 W31	SB	1-/3	434/II
		SXR	07:42	3.0	BY	298	M1		425/II
274	07 27	Ha	01:28	1.7	16171	N13 E45	1N	-	434/II
		SXR	01:28	3.0	B	188	C5		425/II
275	07 27	Ha	12:30	1.7	16171	N13 E34	SF	1+/5	434/II
		SXR	12:30	4.0	B	188	C9		425/II
276	07 29	Ha	03:21	0.9	16164	S14 W42	1N	2/5	434/II
		SXR	03:21	2.0	BY	245	M1		425/II
277	07 30	Ha	02:18	2.3	16171	N23 E14	2N	1-/3	434/II
		SXR	02:18	6.0	B	189	M1		425/II
278	08 07	Ha	19:55	1.1	16208	N15 E78	SN	2/5	434/II
		SXR	19:55	5.0	D	357	M1		426/II
279	08 09	Ha	16:48	1.6	16208	N13 E57	SB	-	434/II
		SXR	16:48	2.0	BY	353	C9		426/II
280	08 10	Ha	03:55	1.6	16208	N18 E49	2N	1-/1	434/II
		SXR	03:55	4.0	BY	354	C5		426/II
281	08 10	Ha	09:12	1.0	16208	N12 E49	1B	1/5	434/II
		SXR	09:12	2.0	BY	354	C9		426/II
282	08 13	Ha	09:47	1.5	16224	S26 E90	1N	2/5	434/II
		SXR	09:47	4.0	X	276	M1		426/II
283	08 14	Ha	11:53	2.3	16224	S23 E70	1N	1/5	434/II
		Ha	17:45	1.0	16224	S27 E78	?N		426/II
		SXR	11:53	8.0	X	276	M2		

Table 2 continued

1979

284	08 16	Ha	04:38	1.8	16224	S27 E53	2N	2/3	434/II	
		Ha	06:00	1.2	16224	S26 E52	SN			426/II
		SXR	04:38	4.0	BY	276	C9			
285	08 18	Ha	14:00	0.2	16224	S24 E15	SN	2/5	434/II	
		Ha	14:31	0.7	16239	N09 E70	1N			426/II
		SXR	13:42	10.0	D	274	X3			422/I
286	08 19	Ha	13:14	0.9	16231	S14 E44	SN	1-/5	434/II	
		SXR	13:14	2.5	B	237	C9			426/II
287	08 20	Ha	09:05	1.9	16239	N05 E77	2B	3/5	434/II	
		SXR	09:02	10.0	D	195	X4			426/II
288	08 21	Ha	23:00	2.0	16239	N05 E54	SN	1-/1	434/II	
		SXR	23:00	5.0	D	193	C5			426/II
289	08 23	Ha	12:44	1.0	16239	N07 E29	1N	2/5	434/II	
		SXR	12:44	3.0	D	192	M1			426/II
290	08 24	Ha	11:56	0.8	16239	N05 E25	1N	1/5	434/II	
		SXR	11:56	2.0	D	193	C9			426/II
291	08 25	Ha	19:43	1.9	16239	N05 W01	1B	1-/5	434/II	
		SXR	19:43	3.0	D	193	M1			426/II
292	08 26	Ha	01:30	1.4	16231	S14 W60	2B	1-/3	434/II	
		SXR	01:30	2.0	B	255	C9			426/II
293	08 26	Ha	16:15	5.7	16239	N05 W11	2B	2/5	434/II	
		SXR	16:40	10.0	D	194	M9			426/II
294	09 02	Ha	00:06	1.6	16267	S20 E67	1N	1+/5	439/II	
		SXR	00:06	2.0	B	035	M1			427/II
295	09 02	Ha	02:57	0.6	16269	N13 E51	SN	1+/5	439/II	
		SXR	02:57	3.0	B	047	C8			427/II
296	09 04	Ha	16:08	0.8	16252	N16 W35	SN	1-/1	439/II	
		SXR	16:08	4.0	BY	100	C8			427/II
297	09 10	Ha	22:39	0.7	16279	N09 E40	SN	1-/5	439/II	
		SXR	22:39	2.0	D	304	C7			427/II
298	09 11	Ha	13:42	1.6	16275	N15 W10	2B	1-/5	439/II	
		SXR	13:42	2.0	BY	346	M1			427/II
299	09 11	Ha	16:30	0.7	16275	N15 W10	SB	1-/5	439/II	
		SXR	16:30	2.0	BY	346	C8			427/II
300	09 13	Ha	20:57	2.0	16279	N07 W02	SN	1+/5	439/II	
		SXR	20:57	2.0	D	304	M1			427/II
301	09 14	Ha	06:07	0.6	16279	N06 W07	1N	3/5	439/II	
		SXR	06:07	8.0	D	301	X2			427/II

Table 2 continued

1979

302	09 15	Ha	00:46	0.7	16279	N09 W13	SF	2/5	439/II
		SXR	00:46	2.0	D	301	M1		427/II
303	09 15	Ha	10:19	0.3	16298?	N06 E90?	1B	3/5	439/II
		SXR	10:19	4.0	X	192			427/II
304	09 16	Ha	01:01	0.4	16298	N07 E90	SB	3/5	439/II
		SXR	01:00	2.0	D	192	X1		427/II
305	09 16	Ha	09:37	0.7	16298	N03 E80	2B	2+/5	439/II
		SXR	09:37	2.0	D	192	X2		427/II
306	09 18	Ha	07:46	1.2	16279	N09 W63	1N	2/5	439/II
		SXR	07:46	3.0	B	308	C9		427/II
307	09 19	Ha	03:56	0.8	16279	N10 W76	1N	2+/5	439/II
		SXR	03:56	2.0	B	308	M2		427/II
308	09 19	Ha	06:45	1.2	16298	N03 E43	1N	1/5	439/II
		SXR	06:45	2.0	D	192	C5		427/II
309	09 19	Ha	14:07	1.1	16298	N05 E38	SN	2/5	439/II
		SXR	14:07	2.0	D	192	M1		427/II
310	09 19	Ha	22:56	2.1	16298	N05 E33	3B	3/5	439/II
		SXR	23:00	4.0	D	192	X6		427/II
311	09 20	Ha	18:19	1.7	16298	N05 E22	1B	1-/1	439/II
		SXR	18:19	2.0	D	190	M1		427/II
312	09 30	Ha	06:14	0.8	16315	N18 W37	2B	2/5	439/II
		SXR	06:14	3.0	B	125	C8		427/II
313	10 01	Ha	17:54	1.4	16336	N10 E74	SN	1-/5	439/II
		SXR	17:54	2.5	BF	357	C9		428/II
314	10 02	Ha	21:53	1.5	16336	N13 E55	2N	1-/5	439/II
		SXR	21:53	2.5	BF	358	C9		428/II
315	10 03	Ha	08:31	0.4	16324	S23 W44	1N	2/5	439/II
		SXR	08:31	2.0	BF	092	M1		428/II
316	10 04	Ha	15:54	1.9	16344	N14 E76	SB	2/5	439/II
		SXR	15:54	4.0	B	314	M8		428/II
317	10 05	Ha	11:30	1.2	16344	N14 E59	2N	2/5	439/II
		SXR	11:30	4.0	D	319	M9		428/II
318	10 06	Ha	02:22	1.9	16346	S21 W43	SF	-	439/II
		SXR	02:22	4.0	BF	051	C9		428/II
319	10 06	Ha	07:38	0.6	16341	N25 E39	1B	2+/5	439/II
		SXR	07:38	2.0	B	332	C9		428/II
320	10 07	Ha	14:05	0.5	16344	N14 E33	1B	1+/5	439/II
		SXR	14:05	4.0	D	321	M2		428/II

Table 2 continued

1979

321	10 11	Ha	21:23	1.1	16353	N10 E57	SN	1-/1	439/II
		SXR	21:23	2.0	AP	235	C9		428/II
322	10 12	Ha	21:26	1.1	16367	N08 E60	SN	1-/5	439/II
		SXR	21:26	2.0	no spots	214	C9		428/II
323	10 14	Ha	00:55	2.4	16344	N16 W48	1B	2/5	439/II
		SXR	00:55	4.0	BP	319	M2		428/II
324	10 17	Ha	06:48	1.1	16375	N26 E42	2N	2+/5	439/II
		SXR	06:48	4.0	AP	160			428/II
325	10 17	Ha	15:53	0.8	16366	N31 W02	1B	1-/1	439/II
		SXR	15:53	2.0	D	222	C9		428/II
326	10 18	Ha	09:01	1.0	16373	N26 E27	1B	1+/5	439/II
		SXR	09:01	3.0	D	179	M1		424/I
		Ha	10:00	0.7	16373	N25 E33	SN		428/II
327	10 19	Ha	00:18	1.1	16373	N28 E19	2N	1+/3	439/II
		SXR	00:18	2.5	D	179	C9		428/II
328	10 19	Ha	04:15	0.5	16373	N26 E21	2N	3/5	439/II
		SXR	04:15	3.0	D	179	M9		428/II
329	10 19	Ha	11:53	1.7	16373	N28 E13	2B	2/5	439/II
		SXR	11:52	4.0	D	179	M9		428/II
330	10 20	Ha	05:52	0.7	16373	N27 E04	2N	2/5	439/II
		SXR	05:52	4.0	D	179	M1		428/II
331	10 21	Ha	12:16	0.8	16357	N30 W77	1B	1/5	439/II
		SXR	12:16	3.0	AP	237	M1		428/II
332	10 25	Ha	00:11	1.0	16384	S20 E28	2N	-	439/II
		SXR	00:11	2.0	AP	092	C9		428/II
333	10 25	Ha	01:18	1.0	16374	S29 W46	2F	-	439/II
		SXR	01:18	2.0	B	165	C9		428/II
334	11 01	Ha	08:05	0.5	16386	N13 W72	1B	1/5	442/II
		SXR	08:05	2.0	B	097	M1		429/II
335	11 03	Ha	02:01	0.3	16398	N19 W04	SF	2/5	442/II
		SXR	02:01	2.0	BF	004	C9		429/II
336	11 04	Ha	05:26	0.2	16413?	S16 E72	SF	2/3	442/II
		SXR	04:30	3.5	B	276	C9		429/II
337	11 04	Ha	20:45	0.5	16414?	N23 E76	SN	-	442/II
		SXR	16:30	5.0	AP	263	M1		429/II
338	11 05	SXR	13:00	3.0	-	-	M2	1+/5	429/II
339	11 05	Ha	23:42	0.3	16413	S14 E43	1B	2/5	429/II
		SXR	23:42	2.0	Y	274	M3		442/II

Table 2 continued

1979

340	11 06	Ha	05:11	0.2	16406	N19 E11?	1N	2/5	429/II
		SXR	05:03	4.0	AP	324	M9		442/II
341	11 06	Ha	07:58	1.1	16413	S15 E44	1N	-	429/II
		SXR	07:58	4.0	D	275	M2		442/II
342	11 07	Ha	20:00	1.6	16413	S13 E22	1B	1/5	429/II
		SXR	20:00	2.5	D	278	M2		442/II
343	11 08	Ha	01:14	0.6	16419	N31 E71	1N	-	429/II
		SXR	01:14	3.0	BY	228	M3		442/II
344	11 08	Ha	08:26	3.2	16413	S14 E14	2B	2/5	429/II
		SXR	08:26	8.0	D	275	M5		442/II
345	11 08	Ha	23:32	0.5	16413	S15 E00	SF	2/5	429/II
		SXR	23:32	4.0	D	275			442/II
346	11 09	Ha	20:29	3.0	16401	S20 W58	SN	1/5	429/II
		SXR	20:39	4.0	AF	335	M1		442/II
347	11 10	Ha	13:07	1.0	16421	N18 E49	1B	1/5	429/II
		SXR	13:07	2.0	AP	218	M1		442/II
348	11 10	Ha	15:50	1.3	16412	S19 W70	1B	1-/5	429/II
		SXR	15:48	4.0	B	325	M1		442/II
349	11 12	Ha	19:36	1.5	16421	N17 E24	2B	1-/5	429/II
		SXR	19:36	2.0	AP	218	M2		442/II
350	11 13	Ha	15:18E	0.5	16406	N19 W87	1B	1/1	429/II
		SXR	15:18E	3.0	AP	324	M2		442/II
351	11 14	Ha	15:45	0.7	16425	N20 E21	SF	1/3	429/II
		SXR	15:45	2.0	AP	191	M1		442/II
352	11 15	Ha	16:42	1.3	16419	N33 W26	SB	1-/5	429/II
		SXR	16:42	3.0	BY	223	C9		442/II
353	11 15	Ha	21:22	2.3	16419	N29 W35	2B	1/3	429/II
		SXR	21:22		BY	223	M2		442/II
354	11 16	Ha	09:35	1.2	16425	N18 W05	2N	-	429/II
		SXR	09:35	2.0	AF	188	C9		442/II
355	11 17	Ha	02:20	1.1	16419	N30 W46	1N	1+/3	429/II
		SXR	02:20	4.5	BY	223	M1		442/II
356	11 18	Ha	23:13	1.6	16422	S07 W65	1N	1/3	429/II
		SXR	23:13	3.0	BP	216	C9		442/II
357	11 19	Ha	11:55E	0.7D	16419	N32 W85	SB	1/5	429/II
		SXR	11:47	6.0	X	214	M1		442/II
358	11 20	Ha	17:36	1.2	16433	S30 W59	SB	1-/1	429/II
		SXR	17:36	2.0	BP	181	C5		442/II

Table 2 continued

1979									
359	11 21	Ha	07:20E	0.1D	16433	S38 W58	SN	-	429/II
		Ha	07:39E	0.2D	16425	N20 W69	SB	-	442/II
		SXR	07:20	4.0	B	182	M2		425/I
360	11 24	Ha	02:57	0.3	16426	N36 W81	SN	-	429/II
		SXR	02:57	2.5	AP	171	M1		442/II
361	12 03	Ha	15:14E	1.4	16476	S24 E54	SB	1/5	430/II
		SXR	15:14	2.5			M1		443/II
362	12 04	Ha	04:36	1.0	16467	S16 E31	1N	2/5	430/II
		SXR	04:36	4.0			M1		426/I
		Ha	05:38	1.3	16467	S17 E31	SF		443/II
363	12 13	Ha	08:14	1.1	16507	N25 E16	1N	1-/5	430/II
		SXR	08:14	3.0			C9		443/II
364	12 19	Ha	21:56	1.3	16529	S15 E36	2B	2+/5	430/II
		SXR	22:00	2.0			X1		443/II
365	12 20	Ha	05:43	2.3	16529	S18 E33	1B	2+/5	430/II
		SXR	06:10	3.0			M9		443/II
366	12 20	Ha	05:51	2.0	16529	S16E25	1B	2+/5	430/II
		SXR	05:51	3.0			C9		443/II
367	12 22	Ha	05:06	1.0	16541	S17 E53	2N	2/5	430/II
		Ha	05:45	2.5	16522	S06 W51	1N		443/II
		SXR	05:06	2.0			C9		
368	12 25	Ha	06:55	1.1	16529	S14 W43	2B	2/3	430/II
		SXR	06:55	4.0			M2		443/II
1980									
369	01 01	Ha	17:47	1.1	16566	N13 E60	1N	2-/3	431/II
		SXR	17:47	3.0	BP	238	M1		445/II
370	01 03	Ha	16:38	1.0	16566	N14 E34	SN	1-/1	431/II
		SXR	16:38	3.0	BP	238	C7		445/II
371	01 06	Ha	21:27E	0.8	16577	S12 E52	1N	2/5	431/II
		SXR	21:20	2.5	B	176	M8		445/II
372	01 07	Ha	12:13	1.3	16577	S10 E43	SB	1-/1	431/II
		SXR	12:13	2.0	B	176	C9		445/II
373	01 07	Ha	18:57	0.1D	16558	S17 W60	1N	2/3	431/II
		SXR	18:57	2.0	D	272	M1		445/II
374	01 08	Ha	03:51	1.1	16580	N18 E09	1N	2+/1	431/II
		SXR	03:51	2.0			C9		445/II

Table 2 continued
1980

375	01 08	Ha	09:56	1.7	16577	S11 E31	1B	2/5	431/II
		SXR	10:03	3.5	B	176	M9		445/II
376	01 09	Ha	00:05	1.0	16577	S09 E25	2B	2+/1	431/II
		SXR	00:05	3.5	BF	176	M8		445/II
377	01 10	Ha	04:59	1.5	16577	S11 E09	2N	3-/3	431/II
		SXR	04:59	5.0	BF	176			445/II
378	01 10	Ha	18:15	3.1	16572	N20 E35	1N	1-/1	431/II
		SXR	18:15	4.0	AP	221	M1		445/II
379	01 10	Ha	22:13	0.6	16577	S10 W01	1N	2/5	431/II
		SXR	22:13	2.5	BF	176	M2		445/II
380	01 11	Ha	05:03E	0.1D	16577	S10 W04	SN	2-/1	431/II
		SXR	05:03E	2.0	BF	176	C9		445/II
381	01 12	Ha	07:54	0.5	16598	N30 E60	SF	2/5	431/II
		SXR	07:54	3.0	BP	097	M2		445/II
382	01 12	Ha	18:56	0.8	16601	S13 E90	2B	-	431/II
		SXR	18:56	3.5	B	061	C9		445/II
383	01 13	Ha	03:21	0.8	16580	N20 W56	2B	3-/5	431/II
		SXR	03:21	2.0	B	194	M2		445/II
384	01 13	Ha	17:51	1.3	16601	S13 E74	SN	2/3	431/II
		Ha	18:06	2.5	16580	N15 W65	1B		445/II
		SXR	17:51	2.0	B	194	M2		
385	01 13	Ha	19:37	0.3	16601	S09 E77	SF	2/3	431/II
		SXR	19:37	3.5	B	061	M2		445/II
386	01 19	Ha	02:04	1.0	16598	N32 W28	SN	-	431/II
		SXR	02:04	4.0	AP	087	C3		445/II
387	01 21	Ha	08:24	1.0	16602	N16 W02	1N	1-/1	431/II
		SXR	08:24	3.5	B	049	C8		445/II
388	01 24	Ha	15:03	2.7	16604	S17 W31	SN	-	431/II
		SXR	15:03	2.0	B	026	C9		445/II
389	01 25	Ha	16:00	0.5	16604	S18 W44	SN	2/5	431/II
		SXR	16:00	3.5	D	027	C9		445/II
390	01 25	Ha	21:13	1.0	16611	N18 W80	SN?	2/5	431/II
		SXR	21:13	8.0	no spots	052	M5		445/II
391	01 27	Ha	03:42	0.5	16602	N09 W76	SN	3/5	431/II
		SXR	03:41	2.0	B	045	C9		445/II
392	01 27	Ha	11:50	0.6	16602?	N10 W90	1B	3/5	431/II
		SXR	11:40	2.0	B	045	X2		445/II

Table 2 continued

1980									
393	01 27	Ha	23:15	0.9	16625	N02 E65	1N	2/5	431/II
		SXR	23:15	2.0?	AP		M2?		445/II
394	01 28	Ha	02:30	1.4	16604	S16 W79	1N	2/5	431/II
		SXR	02:30	2.0?	AP	027	M1?		445/II
395	01 30	Ha	17:33	1.1	16625	N05 E25	SB	2/5	431/II
		SXR	17:33	2.0?	AP		M1?		445/II
396	02 05	Ha	12:45	0.3	16639	N28 E47	1B	SGD	447/II
		SXR	12:45	3.0			C9	427/I missing	432/II
397	02 06	Ha	01:38	0.5	16639	N26 E40	SF		447/II
		SXR	01:38	2.0			C9		432/II
398	02 06	Ha	12:50	0.6	16627	N15 W52	SN		447/II
		SXR	12:50	2.0			M1		432/II
399	02 06	Ha	17:21	1.0	16644	S12 E60	1B		447/II
		SXR	17:21	2.0			M1		432/II
400	02 07	Ha	05:01	1.0	16626	N10 W80	1F		447/II
		SXR	05:01	3.0			M1		432/II
401	02 07	Ha	16:53	1.4	16627	N15 W59	2B		447/II
		SXR	16:53	2.5			C9		432/II
402	02 08	Ha	09:05	0.5	16627	N13 W79	1B		447/II
		SXR	09:02	3.0			X1		432/II
403	02 10	Ha	15:28	1.8	16644	S18 E09	1B		447/II
		SXR	15:28	3.5			M1		432/II
404	02 13	Ha	09:40	1.0	16640	S06 W41	1N		447/II
		SXR	09:40	2.0			C9		432/II
405	02 13	Ha	10:48	0.7	16655	S22 E70	1N		447/II
		SXR	10:48	2.0			C9		432/II
406	02 13	Ha	11:40	1.0	16655	S18 E65	1N		447/II
		SXR	11:40	2.0			M1		432/II
407	02 15	Ha	02:44	0.6	16655	S17 E38	1N+2N		447/II
		SXR	02:44	2.0			C9		432/II
February 17-23, 1980, no SXR data									
408	02 25	Ha	04:46	0.5	16674	N18 E72	1N		447/II
		SXR	04:46	2.5	B	236	C7		432/II
409	02 27	Ha	03:27	1.0	16676	S13 E55	1N		447/II
		SXR	03:27	3.5	AP	220	M1		432/II
410	02 28	Ha	12:05	0.9	16673	S23 E28	1B		447/II
		SXR	12:05	2.0	B	227	M2		432/II

Table 2 continued

1980

411	03 19	Ha	06:13	1.4	16729	S29 E74	SN	1-/5	449/II
		SXR	06:13	4.0	AP	273	C5		433/II
412	03 27	Ha	11:56	1.4	16740	N29 E70	?B	1-/3	449/II
		SXR	11:56	6.0	BY	180	M2		433/II
413	03 27	Ha	18:38	0.7	16727	N24 W59	2B	1+/5	449/II
		SXR	18:38	2.0	B	300	M3		433/II
414	03 28	Ha	19:42	1.1	16733	N09 W03	1B	1+/5	449/II
		SXR	19:42	2.0	AP	231	M1		433/II
415	04 02	Ha	19:50E	0.7D	16740	N27 W15	SN	1+/5	449/II
		SXR	19:50E	2.0	BY	178	M1		434/II
416	04 03	Ha	01:12	0.7	16737	N14 W52	2N	2/1	449/II
		SXR	01:12	2.0	AP	212	M1		434/II
417	04 03	Ha	06:39	2.4	16740	N30 W16	2N	2/1	449/II
		SXR	06:39	4.5	BY	175	M5		434/II
418	04 04	Ha	14:54	2.3	16740	N27 W35	1N	3/5	449/II
		SXR	14:54	6.0	BY	175	M4		434/II
419	04 05	Ha	04:09	0.5	16759	S11 E61	?N	2+/3	449/II
		SXR	04:09	2.0	no spots	091	M1		434/II
420	04 05	Ha	05:51	0.6	16747	N11 E29	1N	3/3	449/II
		SXR	05:51		B	104	C9		434/II
421	04 05	Ha	15:48	1.8	16761	S10 E66	SF	2+/5	449/II
		SXR	15:48	2.0	no spots	058	M3		434/II
422	04 06	Ha	16:21	0.5	16747	N10 E08	SB	2-/5	449/II
		SXR	16:21	3.0	D	104	M1		434/II
423	04 07	Ha	00:47	1.5	16747	N11 E05	2B	2+/3	449/II
		SXR	00:47	2.0	D	102	M3		434/II
424	04 07	Ha	03:31	1.0	16752	N23 E15	SF	1/1	449/II
		SXR	03:31	4.0	BY	084	C9		434/II
425	04 07	Ha	05:29	1.1	16747	N10 E01	1B	2+/5	449/II
		SXR	05:29	2.0	D	102	M8		434/II
426	04 08	Ha	02:59	1.2	16742	S15 W90	2N	3/3	449/II
		SXR	02:59	2.0	AP	182	M3		434/II
427	04 10	Ha	09:14	0.6	16747	N12 W43	1B	2+/5	449/II
		SXR	09:14	2.0	D	102	M2		434/II
428	04 10	Ha	17:22	1.5	16747	N10 W44	1N	2/5	449/II
		SXR	17:22	2.5	D	102	M2		434/II
429	04 11	Ha	17:45E	1.0	16763	S29 E29	1B	1/3	440/II
		SXR	17:45E	2.0	D	018	C9		434/II

Table 2 continued

1980

430	04 11	Ha	22:58	0.5	16747	N10 W70	1N	1-/5	449/II
		SXR	22:58	2.0	D	101	M1		434/II
431	04 12	Ha	08:35	1.4	16763	S31 E20	1N	1/5	449/II
		SXR	08:35	2.0	D	017	C9		434/II
432	04 13	Ha	04:11	1.0	16763	S30 W03	SN	2/3	449/II
		SXR	04:11	3.0	BY	018	C9		434/II
433	04 14	Ha	20:04	1.4	16771	S19 E18	SB	1-/5	449/II
		SXR	20:04	2.0	B	343	C9		434/II
434	04 15	Ha	15:09	1.0	16772	N18 E12	1B	2/5	449/II
		SXR	15:09	3.0	BP	343	M7		434/II
435	04 16	Ha	00:57	1.3	16772	N19 E06	1B	1/1	449/II
		SXR	00:57	2.0	B	344	C9		434/II
436	04 17	Ha	03:42	1.5	16772	N18 W07	1N	1-/1	449/II
		SXR	03:42	4.0	BP	343	C8		434/II
437	04 18	Ha	20:00	0.5	16788	N11 E90	SB	1/5	449/II
		SXR	20:00	2.0	BF	228	C9		434/II
438	04 20	Ha	06:20	1.3	16788	N10E64	2N	2/5	449/II
		SXR	06:20	2.5	BP	231	C9		434/II
439	04 28	Ha	18:52	0.7	16803	N04 E49	SN	-	449/II
		SXR	18:52	2.0	AP	125	C9		434/II
440	04 29	Ha	12:55	0.4	16789	S14 W71	1B	2/1	449/II
		SXR	12:55	3.5	BP	240	M1		434/II
441	04 30	Ha	20:30	0.9	16789	S14 W86	SB	1/5	449/II
		SXR	20:30	2.0	BP	240	M1		434/II
442	05 01	Ha	18:51	0.8	16815	S20 E59	2B	2/5	457/II
		SXR	18:51	2.0	BP	079	X2		435/II
443	05 01	Ha	21:04	0.8	16785	S35 W90	SN	2/5	457/II
		SXR	21:05	2.0	no spots	251	M1		435/II
444	05 03	Ha	12:39	1.7	16815	S26 E43	1N	2/5	457/II
		SXR	12:39	6.0	BP	079	M2		435/II
445	05 03	Ha	17:49	0.5	16802	S16 W29	1N	1+/3	457/II
		SXR	17:49	2.0	B	147	C9		435/II
446	05 14	Ha	19:22E	0.2D	16839	S15 W25	SN	1-/5	457/II
		SXR	19:17	4.0	BP	348	C9		435/II
447	05 15	Ha	20:02	0.3D	16846	S07 E25	SF	1/1	457/II
		SXR	20:02	2.0	D	291	M1		435/II
448	05 16	Ha	22:08	1.8	16850	S14 E47	1B	1/3	457/II
		SXR	22:08	2.0	D	250	M1		435/II

Table 2 continued

1980

449	05 17	Ha	07:20	0.8	16851	N15 E28	1N	3/5	457/II
		SXR	07:20	2.0	D	267	M2		435/II
450	05 17	Ha	10:06	1.2	16852	N26 E41	2B	1/5	457/II
		SXR	10:06	2.5	no spots	252	C9		435/II
451	05 18	Ha	01:03	0.4	16851	N16 E19	2N	2+/5	457/II
		SXR	01:03	3.5	BY	268	M2		435/II
452	05 20	Ha	14:04	0.2?	16864	S20 E85	SF?	2+/3	457/II
		SXR	14:04	6.0	AP	177	M1		435/II
453	05 21	Ha	20:49	1.7	16850	S14 W15	2N	3/5	457/II
		SXR	20:52	4.0	AF	250	M9		435/II
454	05 22	Ha	20:54	2.2	16859	N16 E04	2B	1/5	457/II
		SXR	20:54	4.0	B	217	M1		435/II
455	05 25	Ha	01:26	0.7	16850	S13 W61	1N	1/3	457/II
		SXR	01:26	6.0	B	250	M2		435/II
456	05 27	Ha	23:27	1.3	16867	S11 E41	1N	-	457/II
		SXR	23:27	3.0	BY	114	C9		435/II
457	05 28	Ha	19:45	0.7	16864	S18 W35	1B	2+/5	457/II
		SXR	19:45	2.0	BY	177	M9		435/II
458	05 28	Ha	23:32	0.8	16863	S16 W37	2B	2+/5	457/II
		SXR	23:32	2.0	BY	180	M7		435/II
459	05 29	Ha	05:05	0.9	16863	S13 W42	2N	2+/5	457/II
		SXR	05:05	2.0	D	180	M1		435/II
460	06 01	Ha	19:29	0.7	16884	S14 E90	SN	1-/5	459/II
		SXR	19:29	2.0	D	357	M1		436/II
461	06 02	Ha	07:28	0.9	16884	S15 E90	1N	3/5	459/II
		SXR	07:28	2.0	D	357	M1		436/II
462	06 02	Ha	08:35	0.2	16867	S11 W28	SF	3/5	459/II
		SXR	08:35	2.0	BY	114	C9		436/II
463	06 02	Ha	13:22E	0.2D	16884	S12 E83	SF	2/5	459/II
		SXR	13:22	4.0	D	357	C9		435/II
464	06 02	Ha	21:29	1.2	16884	S13 E82	SB	2/1	459/II
		SXR	21:29	3.0	D	357	M1		436/II
465	06 03	Ha	07:55	0.5	16884	S14 E72	1N	2/5	459/II
		SXR	07:55	2.0	D	357	M1		436/II
466	06 03	Ha	21:27	0.7	16884	S14 E67	1B	2+/5	459/II
		SXR	21:27	2.5	D	357	M3		436/II
467	06 03	Ha	07:53	1.7	16884	S15 E58	1N	2+/3	459/II
		SXR	07:53	5.0	D	357	M5		436/II

Table 2 continued

1980

468	06 04	Ha	09:25	4.0	16884?	S13 E41	SF	-	459/II
		SXR	08:00	8.0	D	357	C9		436/II
469	06 06	Ha	13:57	0.6	16884	S13 E28	SN	1/5	459/II
		SXR	13:57	2.0	D	359	C7		436/II
470	06/07	Ha	12:58	1.0	16881	S11 W24	SF	2/5	459/II
		SXR	12:58	3.0	AP	047	M1		436/II
471	06 13	Ha	22:31	1.0	16898	N17 E11	1B	1-/3	459/II
		SXR	22:31	5.0	BF	280			436/II
472	06 14	Ha	14:48	0.4	16918	S10 E90	?B	2/5	459/II
		SXR	14:48	3.0	AP	180	M2		436/II
473	06 16	Ha	23:10	0.2	16918	S10 E68	1N	1-/3	459/II
		SXR	23:10	5.0	AP	182	C9		436/II
		Ha	23:33	0.1	16918	S11 E68	SF		432/I
	17	Ha	00:07	1.1	16918	S11 E69	SF		
474	06 19	Ha	19:48	1.3	16931	S23 E53	2B	1/5	459/II
		SXR	19:48	2.0	BP	157	M1		436/II
475	06 21	Ha	00:03	2.7	16918	S12 E14	2N	1-/3	459/II
		SXR	00:03	4.5	D	184	M5		436/II
476	06 22	Ha	13:00	1.3	16923?	S26 E18	1N	2/5	459/II
		Ha	13:03	0.8	16918?	S09 W14	1B		436/II
		SXR	13:00	3.5	BP	166	M1		432/I
477	06 22	Ha	18:58	0.7	16911	N19 W44	SB	1/3	459/II
		SXR	18:58	4.0	AP	220	M1		436/II
478	06 23	Ha	02:00	1.8	16911	N21 W47	1N	2/5	459/II
		SXR	02:00	3.0	BP	213	M2		436/II
479	06 23	Ha	12:35	1.5	16911	N22 W51	SB	1+/5	459/II
		SXR	12:35	2.0	BP	213	C9		436/II
480	06 23	Ha	23:27	1.0	16911	N19 W63	2B	1/3	459/II
		SXR	23:27	2.5	BP	213	M3		436/II
481	06 25	Ha	15:48	1.5	16923	S29 W28	1B	2/5	459/II
		SXR	15:48	3.0	BY	165	M2		436/II
482	06 29	Ha	10:35	1.0	16923	S27 W90	1F	2/5	459/II
		SXR	10:35	2.0	BY	165	M1		436/II
483	06 29	Ha	18:22	0.7	16923	S25 W90	?B	1+/5	459/II
		SXR	18:22	2.0	BY	165	M1		436/II
484	07 01	Ha	16:22	1.0	16943	S12 W38	1B	3/5	460/II
		SXR	16:22	3.0	B	090	M9		437/II
485	07 05	Ha	07:31	0.9	16955	N27 W23	1N	3/5	460/II
		SXR	07:31	2.0	D	027	M1		437/II

Table 2 continued

1980

486	07 05	Ha	15:21	1.5	16955	N27 W25	SB	2+/5	460/II
		SXR	15:21	3.0	D	027	C9		437/II
487	07 05	Ha	22:37E	1.4	16955	N28 W28	1B	3/5	460/II
		SXR	22:37	4.0	D	027	M6		437/II
488	07 06	Ha	06:45	0.5	16955	N27 W33	SN	2+/5	460/II
		SXR	06:45	2.0	D	028	M1		437/II
489	07 07	Ha	11:29	0.6	16955	N26 W49	SB	2+/5	460/II
		Ha	12:13	0.3	16955	N26 W50	SN		437/II
		Ha	12:47	1.8	16955	N26 W55	SN		433/I
		SXR	11:19	2.5	D	029	M1		
490	07 11	Ha	18:53	0.4	16978	S09 E72	2B	2/5	460/II
		SXR	18:53	2.5	BP	210	M5		437/II
491	07 11	Ha	23:10	0.4	16978	S12 E69	1N	1-/5	460/II
		SXR	23:10	2.0	BP	210	M3		437/II
492	07 12	Ha	02:06	1.1	16974	N21 E47	SF	1-/5	460/II
		SXR	02:06	2.0	AP	240	C9		437/II
493	07 12	Ha	15:41	0.5	16978	S10 E60	1B	1/5	460/II
		SXR	15:41	2.0	D	210	M1		437/II
494	07 14	Ha	08:14	0.5	16978	S15 E43	2N	2/5	460/II
		SXR	08:14	2.0	B	208	M8		437/II
495	07 17	Ha	05:36	2.3	16978	S11 E06	2N	1-/5	460/II
		SXR	05:36	4.0	BP	208	M2		437/II
496	07 20	Ha	19:19	1.2	16978	S19 W45	1B	1-/5	460/II
		SXR	19:19	2.0	BP	209	M1		437/II
497	07 21	Ha	02:44E	1.5	16992	S27 E50	1N	2+/3	460/II
		SXR	02:44	4.0	BP	107	M2		437/II
498	07 23	Ha	00:46	2.3	16992	S19 E17	3B	2+/3	460/II
		SXR	00:46	4.0	BP	107	M6		437/II
499	07 24	Ha	08:50	1.0	16992	S19 W04	1N	1/3	460/II
		SXR	08:50	2.0	BP	117	C6		437/II
500	07 29	Ha	10:06	1.0	16992	S22 W85	2B	-	460/II
		SXR	10:06	2.0	AP	120	C7		437/II
501	07 29	Ha	12:49	1.1	16992	S24 W64	1N	-	460/II
		SXR	12:49	4.0	AP	110	C7		437/II
502	08 07	Ha	11:15	0.5	17044	S20 E90	SN	3/5	462/II
		SXR	11:15	2.0	no spots	199	C9		438/II
503	08 10	Ha	21:40	1.0	17044	S24 E48	1N	1/5	462/II
		Ha	23:39	1.6	17044	S25 E45	1F		438/II
		SXR	21:00	3.5	B	199	M1		

Table 2 continued

1980

504	08 11	Ha	00:45	1.4	17060	S27 E78	3B	1/5	462/II
		SXR	00:45	2.0	B	164	M1		438/II
505	08 12	Ha	05:43	1.2	17060	S26 E61	SN	1/1	462/II
		SXR	05:43	3.0	B	164	C5		438/II
506	08 13	Ha	12:46	1.7	17060	S28 E44	2B	3/5	462/II
		SXR	12:46	4.0	B	162	M3		438/II
507	08 22	Ha	17:12	1.1	17053	N09 W72	1N	2+/3	462/II
		SXR	17:12	3.0	AP	164	C9		438/II
508	08 24	Ha	16:06	1.4	17062	N17 W50	SB	2/5	462/II
		SXR	16:06	2.0	BY	108	C9		438/II
509	08 25	Ha	21:11	1.0	17062	N18 W67	SN	1-/3	462/II
		SXR	21:11	2.0	B	109	C7		438/II
510	08 25	Ha	12:29	1.3	17062	N18 W62	1B	21/3	462/II
		SXR	12:29	3.5	B	109	C9		438/II
511	08 31	Ha	13:19	1.6	17100	S06 E40	2B	3/5	462/II
		SXR	13:19	4.0	BY	287	M2		438/II
512	09 04	Ha	02:45	0.7	17098	N11 W15	1N	3/5	463/II
		SXR	02:45	4.5	D	298	M6		439/II
513	09 08	Ha	05:22	1.9	17089	S09 W68	2B	3/5	463/II
		SXR	05:22	2.0	B	302	M8		439/II
514	09 17	Ha	18:00	1.3	17127	S11 W08	1N	1-/5	463/II
		SXR	18:00	3.0	BY	109	C2		439/II
515	09 22	Ha	07:35	0.6	17146	N12 W03	1N	2/3	463/II
		SXR	07:35	2.0	AP	048	C9		439/II
516	09 23	Ha	15:10	0.6	17146	N08 W19	SN	2/5	463/II
		SXR	15:10	4.0	B	045	M2		439/II
517	09 28	Ha	08:04	1.0	17173	N18 E64	SN	-	463/II
		SXR	09:04	3.0	BF	260	C5		439/II
518	09 29	Ha	22:14	1.9	17167	S16 W02	1N	1-/3	463/II
		SXR	22:14	3.0	D	300	C9		439/II
519	09 30	Ha	18:00	2.4	17174	N16 E39	2B	1-/5	463/II
		SXR	18:00	4.0	BY	250	M1		439/II
520	10 07	Ha	14:21	2.2	17187	N15 E52	SB		465/II
		SXR	14:21	2.0	B	146	C9		440/II
521	10 07	Ha	23:05	1.1	17187	N15 E52	2B	2+/5	465/II
		SXR	23:05	4.0	B	146	M6		440/II
522	10 08	Ha	16:48	1.4	17173	N18 W74	1N		465/II
		SXR	16:48	2.0	no spots	269	M1		440/II

Table 2 continued
1980

523	10 09	Ha	11:24E	1.2	17188	S13 E51	1B	3/5	465/II
		SXR	11:15	4.0	D	119	M8		440/II
524	10 13	Ha	07:50	0.6	17181	N12 W41	SB		465/II
		Ha	08:30	0.4	17181	N10 W38	SN		440/II
		Ha	08:55	0.2	17181	N09 W39	SF		436/I
		Ha	09:35	0.8	17181	N12 W40	1N		
		SXR	07:50	4.0	BY	161	C9		
525	10 14	Ha	05:41	2.0	17188	S07 W06	3B	3/5	465/II
		SXR	05:39	5.0	D	119	X2		440/II
526	10 15	Ha	04:50	2.6	17204	N21 E55	3N		465/II
		SXR	04:50	3.5	AP	045	M1		440/II
527	10 22	Ha	23:59	1.4	17214	N22 W33	1B		465/II
		SXR	23:59	2.0	D	029	M1		440/II
528	10 28	Ha	21:29	1.1	17212	S19 W72	1N	1-/3	465/II
		SXR	21:29	12.0	AP	352	C9		440/II
529	11 04	Ha	14:29	1.3	17236	N22 W09	1B	-	467/II
		SXR	14:29	2.0	B	196	C9		441/II
530	11 05	Ha	13:33	1.5	17255	S11 E78	2B	1/3	467/II
		SXR	13:33	2.5	B	099	X1		441/II
531	11 06	Ha	01:48	1.0	17255	S12 E72	1N	2+/3	467/II
		SXR	01:48	2.0	BY	100	C9		441/II
532	11 06	Ha	03:26	1.5	17255	S13 E70	2N	3/3	467/II
		SXR	03:25	6.0	BY	100	X10		441/II
533	11 06	Ha	16:20	5.4	17255	S13 E64	2B	2+/3	467/II
		SXR	15:00	5.0	BY	100	M5		441/II
534	11 06	Ha	19:17	1.3	17244	N10 W03	1B	1-/3	467/II
		SXR	19:17	2.0	D	167	M1		441/II
535	11 07	Ha	01:50	1.4	17244	N09 W08	2B	3/1	467/II
		SXR	01:50	2.0	D	167	X2		441/II
536	11 07	Ha	17:24	1.4	17244	N09 W17	2B	2+/5	467/II
		SXR	17:24	2.0	D	167	M6		441/II
537	11 07	Ha	21:58E	1.6	17255	S10 E47	1N	-	467/II
		SXR	21:58	5.0	D	100	M1		441/II
538	11 08	Ha	13:33	2.1	17244	N09 W28	2B	3/5	467/II
		SXR	13:33	3.0	D	167	X1		441/II
539	11 10	Ha	11:40	1.7	17246	S10 W54	2B	2/5	467/II
		SXR	11:40	4.0	BY	167	M1		441/II
540	11 11	Ha	09:00	1.0	17244	N12 W63	2B	1+/5	467/II
		SXR	09:00	2.0	D	166	M9		441/II

Table 2 continued

1980

541	11 11	Ha	10:00	0.9	17255	S12 E02	1N	2/5	467/II
		SXR	10:00	2.0	D	098	M4		441/II
542	11 11	Ha	17:29	0.9	17246	S11 W69	2B	1-/3	467/II
		SXR	17:29	2.0	BY	167	M4		441/II
543	11 13	Ha	10:00	2.0	17255	S13 W28	SN	2/5	467/II
		SXR	10:00	4.0	D	097	M8		441/II
544	11 13	Ha	18:48	3.3	17255	S15 W32	1N	2+/3	467/II
		SXR	20:00	4.0	D	097	M5		441/II
545	11 14	Ha	06:39	0.6	17255	S12 W32	1N	3/5	467/II
		SXR	06:39	6.0	D	098	M8		441/II
546	11 14	Ha	23:46	1.2	17255	S14 W47	2N	3/3	467/II
		SXR	23:46	3.0	D	098	M7		441/II
547	11 15	Ha	15:19	2.2	17255	S13 W50	1B	3/3	467/II
		SXR	15:19	4.0	D	096	X1		441/II
548	11 16	Ha	04:58	1.2	17255	S11 W60	1N	1/5	467/II
		SXR	04:58	2.0	D	099	M2		441/II
549	11 16	Ha	23:55	1.6	17266	N18 W11	1B	-	467/II
		SXR	23:55	2.0	BP	037	M1		441/II
550	11 19	Ha	21:20	0.8	17281	N13 E28	1N	1+/5	467/II
		SXR	21:20	3.5	D	315	C9		441/II
551	11 20	Ha	08:03	1.6	17281	N13 E26	1B	1/5	467/II
		SXR	08:03	3.0	B	315	M1		441/II
552	11 21	Ha	07:42	0.7	17281	N13 E14	1N	1/5	467/II
		SXR	07:42	2.0	BP	316	C9		441/II
553	11 22	Ha	04:43	2.0	17281	N12 W02	1N	-	467/II
		SXR	04:43	3.5	BY	316	M1		441/II
554	11 23	Ha	17:51	3.1	17281	N11 W20	1B	1+/3	467/II
		SXR	17:51	3.5	BP	315	M2		441/II
555	11 28	Ha	09:25	3.1	17304	S13 E63	1N	1/3	467/II
		SXR	09:25	6.0	B	175	M2		441/II
556	12 09	Ha	06:33	0.8	17314	S13 E23	SN	-	470/II
		SXR	06:33	6.0	B	071	C9		442/II
557	12 12	Ha	00:15	0.8	17331	N05 E83	1N	2+/5	470/II
		SXR	00:15	2.0	B	347	M3		442/II
558	12 15	Ha	08:30E	0.8	17331	N05 E34	2F	1/5	470/II
		SXR	08:30	2.0	D	341	M1		442/II
559	12 15	Ha	18:28	1.8	17331	N13 E31	1B	1+/3	470/II
		SXR	18:28	2.0	B	332	M2		442/II

Table 2 continued

1980									
560	12 16	Ha	09:42	1.2	17331	N05 E20	1B	2/5	470/II
		Ha	11:36	1.0	17331	N12 E20	1B		442/II
		Ha	14:27	0.7	17331	NC7 E13	1B		
		SXR	09:42	12.0	D	340	M4		
561	12 17	Ha	12:06	0.9	17331	N10 E07	1B	1-/5	470/II
		SXR	12:06	3.0	BP	339	M2		442/II
1981									
562	01 05	Ha	16:16	0.3	17379	S14 E45	SF	2/5	443/II
		SXR	16:16	2.0	B	061	M4		470/II
563	01 07	Ha	12:42	1.0	17364	N10 W55	SN	-	443/II
		SXR	12:42	2.5	AP	137	C6		470/II
564	01 08	Ha	02:28	0.7	17386	S06 E07	SN	1/3	443/II
		SXR	02:28	3.0	B	067	C9		470/II
565	01 25	Ha	04:59	2.0	17428	S15 E90	1N	2/3	443/II
		SXR	04:59	6.0	B	100	M9		470/II
566	01 28	Ha	02:00	1.2	17428	S13 E54	1N	2+/5	443/II
		SXR	02:00	2.0	B	100	M1		470/II
567	01 28	Ha	04:10	1.2	17428	S14 E56	1B	3/5	443/II
		SXR	04:10	3.0	B	100	M7		470/II
568	01 28	Ha	15:44	1.0	17436	S16 E73	1B	2+/3	443/II
		SXR	15:44	4.0	BY	081	M2		470/II
569	02 06	Ha	20:57	0.9	17438	S13 W38	1B	2/5	444/II
		SXR	20:57	2.0	B	066	M1		472/II
570	02 07	Ha	21:50E	1.7	17454	N12 E46	SB	2+/5	444/II
		SXR	21:50	2.0	D	333	M1		472/II
571	02 08	Ha	03:28	0.5	17454	N13 E42	1N	2+/5	444/II
		SXR	03:28	2.0	D	333	M2		472/II
572	02 17	Ha	21:44	1.0	17461	N20 W20	1B	3/5	444/II
		SXR	21:44	2.0	D	260	M1		472/II
573	02 19	Ha	01:40	1.7	17461	N19 W35	1N	2+/5	444/II
		SXR	01:40	2.0	D	260	M1		472/II
574	02 20	Ha	05:45	0.7	17463	N13 W39	SN	2+/5	444/II
		SXR	05:45	2.0	BF	247	M1		472/II
575	02 20	Ha	06:36	0.9	17461	N19 W50	2N	3/5	444/II
		SXR	06:36	3.0	D	262	M5		472/II
576	02 24	Ha	00:10	0.5	17491	S13 E86	SB	3/5	444/II
		SXR	00:10	2.0	D	075	M4		472/II

Table 2 continued

1981

577	02 24	Ha	12:02	1.0	17491	S12 E83	SF	2/5	444/II
		SXR	12:02	4.0	D?	075	M9		472/II
578	02 24	Ha	19:31	1.6	17491	S14 E75	2B	2+/5	444/II
		SXR	19:31	4.0	D?	075	X1		472/II
579	02 26	Ha	19:22	4.0	17491	S12 E49	2B	2/3	444/II
		SXR	19:22	6.0	D	075	X2		472/II
580	02 27	Ha	19:40	2.9	17479	S17 W19	SN	2+/3	444/II
		SXR	19:40	3.0	BY	132	C7		472/II
581	03 03	Ha	06:11	3.1	17481	S18 W31	2N	?	445/II
		SXR	06:11	6.0	AP	100	M2		472/II
582	03 03	Ha	13:21	0.6	17491	S13 W09	SN		445/II
		SXR	13:21	3.0	BY	077	M1		472/II
583	03 04	Ha	16:31	1.3	17495	N08 W22	SF		445/II
		SXR	16:31	2:0	AP	071	C9		472/II
584	03 05	Ha	21:05	1.7	17497	N03 E18	2N		445/II
		SXR	21:05	3.0	AP	022	C9		472/II
585	03 07	Ha	07:22	0.5	17500	N08 E11	SN		445/II
		SXR	07:22	3.0	AP	008	C9		472/II
586	03 09	Ha	18:35	2.3	17512	N13 E30	SB		445/II
		SXR	18:35	3.0	BY	313	C9		472/II
587	03 11	Ha	09:45	0.5	17501	N28 W19	SN		445/II
		SXR	09:45	3.0	no spots	348	C8		472/II
588	03 15	Ha	05:20	0.2	17519	S13 W90	1N		445/II
		SXR	05:20	3.0	AP	359	M1		472/II
589	03 15	Ha	08:25E	0.2D	17512	N07 W50	SF		445/II
		SXR	08:25	2.5	D	317	M1		472/II
590	03 18	Ha	21:21	0.2D	17523	N14 W41	SF		445/II
		SXR	21:21	2.0	B	264	C9		472/II
591	03 25	Ha	20:39	0.7	17528	N09 W87	2B		445/II
		SXR	20:39	3.0	D	210	M9		472/II
592	03 27	Ha	02:34	1.5	17539	S44 E05	1N		445/II
		SXR	02:34	2.0	D	102	C9		472/II
593	03 29	Ha	02:45	1.1	17535	N16 W56	SF		445/II
		SXR	02:45	3.0	B	145	C8		472/II
594	03 30	Ha	00:17	3.4	17535	N13 W72	1N		445/II
		SXR	00:17	6.0	B	147	M3		472/II
595	04 01	Ha	01:02	1.6	17539	S43 W52	3B	3/5	446/II
		SXR	01:02	4.5	D	096	M2		474/II

Table 2 continued

1981

596	04 01	Ha	14:47	1.1	17555	N03 E21	SN	3/5	446/II
		SXR	14:50	6.0	AF	018	M5		474/II
597	04 03	Ha	09:05	1.4	17539	S41 W83	1N	3+/5	446/II
		SXR	09:00	6.0	BY	096	M2		474/II
598	04 03	Ha	16:40	1.3	17569	N23 E79	?N	1-/3	446/II
		SXR	16:40	3.0	AP	294	C9		474/II
599	04 04	Ha	05:02	0.3	17539	S44 W87	2N	3+/5	446/II
		SXR	05:02	2.0	D	096	M9		474/II
600	04 04	Ha	08:30	0.4	17569	N16 E74	1N	3/5	446/II
		SXR	08:30	4.0	B	290	M6		474/II
601	04 04	Ha	21:48	1.0	17569	N18 E65	1N	1/5	446/II
		SXR	21:48	2.0	B	290	C9		474/II
602	04 04	Ha	23:57	1.0	17554	N15 W22	SF	1-/1	446/II
		SXR	23:57	2.0	B	021	C9		474/II
603	04 08	Ha	16:23	2.6	17568	N10 W06	1B	2+/5	446/II
		SXR	16:23	6.0	BY	318	M8		474/II
604	04 10	Ha	10:59	1.1	17576	N11 E53	1B	2+/5	446/II
		SXR	10:59	3.0	D	234	M9		474/II
605	04 10	Ha	16:32	3.8	17568	N07 W36	2B	3/5	446/II
		SXR	16:32	6.0	BY	318	X2		474/II
606	04 11	Ha	23:37	1.5	17576	N13 E30	1B	1+/5	446/II
		SXR	23:37	4.0	D	233	M5?		474/II
607	04 12	Ha	22:26	0.9	17569	N16 W40	SB	1+/3	446/II
		SXR	22:26	2.0	BY	291	M5		474/II
608	04 14	Ha	23:30	1.0	17590	N13 E73	1N	2+/5	446/II
		SXR	23:30	4.5			M2		474/II
609	04 16	Ha	08:35	0.6	17581	N10 W11	1N	2+/5	445/II
		SXR	08:35	2.0	BY	219	M1		474/II
610	04 16	Ha	22:39	1.5	17581	N08 W14	2B	2+/5	446/II
		SXR	22:39	3.0	BY	219	M1		474/II
611	04 17	Ha	12:38	3.6	17590	N14 E38	1B	2/3	446/II
		SXR	12:38	6.0			C9		474/II
612	04 18	Ha	01:42	0.8	17285	N21 E16	SN	2/3	446/II
		SXR	01:42	2.0			M6		474/II
613	04 18	Ha	05:44	1.5	17581	N10 W37	1N	1/3	446/II
		Ha	07:14	0.5	17581	N10 W38	1N		474/II
		SXR	05:44	3.0	BY	221	M1		442/I

Table 2 continued

1981

614	04 18	Ha	21:22	2.0	17581	N10 W45	1N	3/5	446/II
		SXR	21:22	3.0	BY	221	M9		474/II
615	04 20	Ha	16:11	1.6	17576	N12 W79	2B	3/5	446/II
		SXR	16:11	4.0	D	233	M6		474/II
616	04 24	Ha	00:27	0.5	17590	N17 W44	SN	1+/3	446/II
		Ha	01:14	2.3	17590	N16 W43	1B		474/II
		SXR	00:27	4.0	D	149	X1		442/I
617	04 24	Ha	08:38	1.0	17589	N21 W46	2N	3/5	446/II
		SXR	08:38	4.5	BF	142	M3		474/II
618	04 24	Ha	13:44	3.9	17590	N18 W50	2B	2+/5	446/II
		SXR	13:44	6.0	D	149	X4		474/II
619	04 25	Ha	04:32	2.3	17590	N16 W58	2N	2+/5	446/II
		SXR	04:32	4.0	D	149	M1		474/II
620	04 25	Ha	15:37	1.1	17590	N13 W64	1B	3/5	446/II
		SXR	15:37	2.0	D	149			474/II
621	04 26	Ha	05:24	1.3	17590	N16 W75	1N		446/II
		SXR	05:24	3.0	D	149	C9		474/II
622	04 26	Ha	10:57	3.2	17590	N15 W74	2N	3/5	446/II
		SXR	10:57	6.0	D	149	M9		474/II
623	04 27	Ha	08:16	2.1	17590	N17 W90	1N	3/5	446/II
		SXR	08:16	8.0	D	149	X5		474/II
624	04 27	Ha	23:30	-	17609?	N05 E30	SB	3/5	446/II
		SXR	23:30	2.0	AP	010	M1		474/II
625	04 28	Ha	23:37	5.0	17619	N22 E65	1N	1-/3	446/II
		SXR	23:37	10.0	AP	342	M9		474/II
626	05 04	Ha	08:35	0.9	17620	N15 E18	1B	3/5	447/II
		SXR	08:35	2.0	D	312	M8		475/II
627	05 05	Ha	13:55	1.8	17620	N15 E02	2B	3/5	447/II
		SXR	13:55	3.5	D	312	M9		475/II
628	05 05	Ha	22:54	1.3	17620	N18 W05	1B	2+/5	447/II
		SXR	22:54	4.0	D	312	M3		475/II
629	05 08	Ha	22:01	3.8	17638	N09 E37	2B	2+/5	447/II
		SXR	22:01	8.0	AP	235	M8		475/II
630	05 10	Ha	12:10	2.0?	17638	N12 E12	SN	3+/5	447/II
		SXR	12:10	6.0	AP	238	M4		475/II
631	05 13	Ha	03:33	3.2	17644	N10 E55	3B	3+/5	447/II
		SXR	03:33	10.0	D	154	X1		475/II
632	05 13	Ha	17:49	1.8	17644	N14 E63	1N	1/5	447/II
		SXR	17:49	3.0	D	154	M1		475/II

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Table 2 continued

1981

633	05 14	Ha	08:05	1.8	17644	N20 E35	3N	1-/1	447/II
		SXR	08:05	3.5	D	153	M1		475/II
634	05 16	Ha	07:53	2.4	17644	N11 E14	3B	1-/3	447/II
		SXR	07:53	10.0	D	153	M9		475/II
635	05 20	Ha	02:42	0.8	17644	N12 W43	1N	2/3	447/II
		SXR	02:42	2.5	BY	153	C9		475/II
636	05 21	Ha	12:45	1.8	17653	S28 W09	SF	-	447/II
		SXR	12:45	4.5	BP	118	C5		475/II
637	06 04	Ha	18:25	1.9	17675	N20 W16	SN	2/3	448/II
		SXR	18:25	5.0	no spots	300	C2		476/II
638	06 11	Ha	19:02	3.0	17692	S23 E67	1N	3/3	448/II
		SXR	19:02	5.0	BY	113	C6		476/II
639	06 14	Ha	23:30	1.0	17685	N12 W24	1N	1-/3	448/II
		SXR	23:30	3.0	AP	176	C2		476/II
640	06 18	Ha	08:56	4.0	17691	S25 W35	1N	2/3	448/II
		SXR	08:56	8.0	AP	130	C9		476/II
641	06 22	Ha	13:59	1.9	17705	N17 E39	SB	-	448/II
		SXR	13:59	4.0	D	356	M1		476/II
642	06 25	Ha	15:40	3.1	17710	N19 E55	1B	1-/3	448/II
		SXR	15:40	4.0	BF	302	C9		476/II
643	06 27	Ha	08:20	1.9	17710	N19 E33	1B	2/5	448/II
		SXR	08:20	4.0	BF	302	M2		476/II
644	06 29	Ha	00:34	1.0	17713	S15 E32	1B	2+/5	448/II
		SXR	00:34	3.5	B	279	M5		476/II
645	07 02	Ha	12:39	2.1	17713	S14 W14	2B	1-/5	449/II
		SXR	12:39	2.0	BY	280	M1		477/II
646	07 03	Ha	01:12	2.6	17713	S15 W20	2N	1/3	449/II
		SXR	01:12	2.0	D	280	M1		477/II
647	07 12	Ha	10:07	1.8	17737	S08 E38	SF	2/3	449/II
		SXR	10:07	4.0	D	100	C9		477/II
648	07 17	Ha	01:43	2.0	17737	S08 W34	1B	2/5	449/II
		SXR	01:43	4.0	D	107	M3		477/II
649	07 17	Ha	07:19	2.0	17736	S30 W30	1N	3+/5	449/II
		SXR	07:19	6.0	D	100	X1		477/II
650	07 17	Ha	16:59	1.1	17737	S08 W40	1B	1-/5	449/II
		SXR	16:59	2.0	D	107	M1		477/II
651	07 19	Ha	04:08	0.9	17751	S08 E68	1B	3+/5	449/II
		Ha	05:09	2.2	17751	S09 E68	2B		477/II
		SXR	04:08	8.0	B	340	X2		445/I

Table 2 continued

1981

652	07 20	Ha	13:04	2.8	17748	N15 E18	SN	1/5	449/II
		SXR	13:04	4.0	BP	009	M3		477/II
653	07 21	Ha	01:01	0.6	17751	S08 E42	SN	1-/5	449/II
		SXR	01:01	2.5	B	339	M1		477/II
654	07 22	Ha	21:51	2.5	17748	N15 W14	SN	1-/5	449/II
		SXR	21:51	6.0	BP	009	C9		477/II
655	07 23	Ha	09:40	1.7	17748	N14 W18	1N	2/3	449/II
		SXR	09:40	3.0	BP	010	C9		477/II
656	07 23	Ha	19:04	2.8	17751	S09 E02	SN	1-/5	449/II
		SXR	19:04	8.0	B	340	M1		477/II
657	07 24	Ha	11:00	1.3	17748	N17 W33	SN	-	449/II
		SXR	11:00	5.0	BY	008	C7		477/II
658	07 26	Ha	07:45	2.4	17751	S08 W35	1N	1-/3	449/II
		SXR	07:45	3.0	D	339	M1		477/II
659	07 27	Ha	06:16	0.8	17760	S12 E14	1B	1/5	449/II
		SXR	06:16	3.0	B	289	M1		477/II
660	07 27	Ha	17:23	1.0	17760	S12 E10	1B	2/5	449/II
		SXR	17:23	4.0	B	289	M8		477/II
661	08 06	Ha	08:14	1.1	17777	S08 E51	1N	2+/5	450/II
		SXR	08:14	2.0	D	116	C9		479/II
662	08 07	Ha	19:01	3.7	17777	S09 E25	1B	2+/5	450/II
		SXR	19:01	8.0	D	115			479/II
663	08 11	Ha	07:37	0.7	17777	S11 W16	2B	3+/5	450/II
		SXR	07:37	3.0	D	119	M2		479/II
664	08 12	Ha	06:16	0.8	17777	S10 W30	1B	3+/5	450/II
		SXR	06:16	4.0	D	120	M9		479/II
665	08 13	Ha	02:49	0.6	17777	S09 W41	1B	2+/5	450/II
		SXR	02:49	3.0	D	118	M1		479/II
666	08 14	Ha	00:22	2.1	17778	N26 W25	1B	2/3	450/II
		SXR	00:22	4.0	BF	088	M1		479/II
667	08 15	Ha	11:20	0.8	17777	S10 W78	?B	2+/5	450/II
		SXR	11:20	2.5	AP	117	M1		479/II
668	08 19	Ha	12:39	2.1	17796	S14 E25	1B	3+/3	450/II
		SXR	12:39	3.5	B	324	M1		479/II
669	08 21	Ha	08:15	1.5	17796	S16 E02	1B	2+/5	450/II
		SXR	08:15	2.0	B	326	M2		479/II
670	08 27	Ha	03:51	3.0	17801	S10 W40	2B	3/3	450/II
		SXR	03:51	3.0	D	284			479/II

Table 2 continued

1981

671	08 28	Ha	20:00	0.6	17806	N09 W54	SN	1-/3	450/II
		SXR	20:00	4.0	B	278	M1		479/II
672	08 31	Ha	15:23	0.4	17805	S10 W82	SN	1/5	450/II
		SXR	15:23	4.0	BP	270	M1		479/II
673	09 03	Ha	22:55	1.9	17824	S10 E18	1B	2+/5	451/II
		SXR	22:55	3.0	B	126	M3		480/II
674	09 05	Ha	18:55	0.9	17833	S09 E63	1N	1-/5	451/II
		SXR	18:55	2.5	AP	057	M1		480/II
675	09 07	Ha	04:53	0.5	17830	N09 E45	1N	2/5	451/II
		SXR	04:53	2.0	D	062	M1		480/II
676	09 12	Ha	23:46	0.5	17830	N14 W29	SN	2+/3	451/II
		13 Ha	00:02	0.6	17830	N05 W41	2B		480/II
		12 SXR	23:46	4.0	D	062	X1		448/I
677	09 15	Ha	00:03	2.0	17842	N17 E20	1N	1/3	451/II
		SXR	00:03	3.0	B	342	M1		480/II
678	09 15	Ha	21:15	0.8	17833	S13 W79	SN	2+/5	451/II
		SXR	21:15	3.0	No spots	057	M8		480/II
679	09 19	Ha	04:21	0.6	17853	N08 E46	1B	1/3	451/II
		SXR	04:21	2.0	BY	263	M1		480/II
680	09 22	Ha	08:34	1.1	17863	S11 E68	1N	2/5	451/II
		SXR	08:34	2.0	AP	199	C9		480/II
681	10 01	Ha	19:49	0.6	17889	N10 E73	SN	2+/5	452/II
		SXR	19:49	2.0	BY	066	M1		481/II
682	10 02	Ha	16:30	0.5	17876	N12 E15	SN	2/5	452/II
		SXR	16:30	2.0	B	117	M1		481/II
683	10 03	Ha	11:54	1.8	17876	N13 E05	SB	1-/1	452/II
		SXR	11:54	3.0	B	117	M1		481/II
684	10 07	Ha	22:59	0.6	17906	S17 E83	1N	3+/5	452/II
		SXR	22:59	6.0	D	331	X2		481/II
685	10 12	Ha	06:15	2.4	17906	S18 E31	2B	3+/5	452/II
		SXR	06:15	6.0	D	331	X2		481/II
686	10 14	Ha	17:05	1.0	17926	S06 E86	SB	1-/5	452/II
		SXR	17:05	2.5	B	250	X1		481/II
687	10 15	Ha	07:17	1.1	17906	S19 W05	SN	1-/3	452/II
		SXR	07:17	3.0	D	331	C9		481/II
688	10 16	Ha	08:00	1.0	17906	S07 W04	1F	1/3	452/II
		SXR	08:00	3.0	D	333	C9		481/II

Table 2 continued

1981

689	10 16	Ha	12:14	1.0	17906	S18 W26	1B	2/5	452/II
		SXR	12:14	2.0	D	333	C9		481/II
690	10 18	Ha	11:03	2.5	17906	S17 W52	2B	1/5	452/II
		SXR	11:03	5.0	D	335	M2		481/II
691	10 19	Ha	03:00	1.5	17936	N19 E24	SN	3/3	452/II
		SXR	03:00	3.0	BY	247	C9		481/II
692	10 20	Ha	14:22	1.1	17923	S14 W27	1N	1/5	452/II
		SXR	14:22	4.0	B	274	C9		481/II
693	10 24	Ha	23:25	1.5	17926	S10 W56	1B	2/5	452/II
		SXR	23:25	2.5	BP	250	M1		481/II
694	10 25	Ha	21:56	0.2	17936	N21 W79	SF	-	452/II
		SXR	21:56	4.0	B	249	C2		481/II
695	11 05	Ha	02:12	1.0?	17969?	S07 W08	SN	2/5	453/II
		SXR	02:12	2.0	D	051	M1		482/II
696	11 05	Ha	11:40	1.4	17963	N16 W35	1N	2+/5	453/II
		SXR	11:40	2.0	AP	079	M1		482/II
697	11 08	Ha	03:58E	0.2D	17989	S19 E28	1B	3/5	453/II
		SXR	03:17	2.0	B	333			482/II
698	11 09	Ha	04:19	2.1	17989	S20 E18	1N	2+/3	453/II
		SXR	04:19	4.0	BY	333	C9		482/II
699	11 09	Ha	12:25	2.2	17989	S17 E17	2B	3/5	453/II
		SXR	12:25	5.0	BY	333	M2		482/II
700	11 13	Ha	23:44	1.2	17992	N14 W32	SN	1-/3	453/II
		SXR	23:44	4.0	D	323	C9		482/II
701	11 14	Ha	22:09	0.8	17992	N15 W47	2B	2+/5	453/II
		SXR	22:09	3.0	D	322	M3		482/II
702	11 19	Ha	02:08	0.6	18023	S16 W36	SN	1/3	453/II
		SXR	02:08	3.0	B	258	C9		482/II
703	11 22	Ha	06:53	1.3	18027	N13 W21	1B	2+/3	453/II
		SXR	06:53	2.5	BY	203	C9		482/II
704	11 22	Ha	09:37	1.8	18017	S05 W42	1N	-	453/II
		SXR	09:37	5.0	BP	230	C9		482/II
705	11 29	Ha	16:00	0.8	18035	N13 W28	SN	1-/3	453/II
		SXR	16:00	6.0	B	109	M1		482/II
706	12 09	Ha	03:26	1.6	18055	N20 W07	2B	2+/5	453/II
		SXR	03:26	2.0	D	324	M2		482/II
707	12 09	Ha	21:31	1.1	18074	S08 E23	SF	-	453/II
		SXR	21:31	4.0	B	286	M4		482/II

Table 2 continued

1981									
708	12 12	Ha	18:56	0.6	18074	S06 W33	1B	-	453/II
		SXR	18:56	4.0	B	286	M1		482/II
709	12 15	Ha	12:25	0.2D	18074	S05 W56	SF	-	453/II
		SXR	11:25	4.0	B	289	C9		482/II
710	12 27	Ha	02:43	2.2	18093	S13 E16	1B	1-/1	453/II
		SXR	02:43	6.0	AP	073	C9		482/II
711	12 28	Ha	20:20	3.1	18106	NO9 E64	1N	-	453/II
		SXR	20:20	6.0	B	002	M1		482/II
1982									
712	01 01	Ha	00:55	1.0	18090	N18 W74	1N	2+/3	455/II
		SXR	00:55	2.0	D	089	M1		484/II
713	01 02	Ha	06:16	0.5	18090	N19 W88	1B	3+/5	455/II
		SXR	06:16	2.0	D	089	M4		484/II
714	01 08	Ha	13:54	5.0	18113	N10 W60	2B	2+/5	455/II
		SXR	13:54	2.0	B	334	M1		484/II
715	01 09	Ha	13:37	3.7	18122	S38 WC6	1N	1-/5	455/II
		SXR	13:37	4.0	AP	274	M1		484/II
716	01 13	Ha	01:26	0.7	18123	S21 W72	1B	2+/3	455/II
		SXR	01:26	3.0	AP	269	M1		484/II
717	01 18	Ha	05:23	1.6	18158	S09 W15	1N	1-/1	455/II
		SXR	05:23	4.0	B	156	C6		484/II
718	01 24	Ha	19:49	1.3	18171	NO9 E82	1B	2/5	455/II
		SXR	19:49	4.0	AP	356	M4		484/II
719	01 28	Ha	06:38	1.6	18188	NO8 E42	2B	3+/3	455/II
		SXR	06:38	3.0	B	326	M5		484/II
720	01 30	Ha	11:35	1.4	18186	N15 W20	2N	2/5	455/II
		SXR	11:35	2.0	D	007	M2		484/II
721	01 30	Ha	23:25	2.4	18176	S14 E13	2B	3/5	455/II
		SXR	23:25	4.0	D	321	M9		484/II
722	02 01	Ha	14:12	2.0	18175	S12 W18	1B	1-/5	456/II
		SXR	14:12	5.0	AP	344	X2		485/II
723	02 03	Ha	01:02	2.5	18176	S15 W21	SF	3+/3	456/II
		SXR	00:57	4.0	D	323	M1		485/II
724	02 03	Ha	06:27	0.5	18176	S16 W24	SB	2/5	456/II
		SXR	06:27	2.0	D	323	M1.1		485/II
725	02 05	Ha	09:02	0.8	18176	S15 W43	1B	3+/5	456/II
		SXR	09:02	2.0	B	325	M1		485/II

Table 2 continued

1982

726	02 06	Ha	20:51	1.0	18176	S17 W64	1N	2+/5	456/II
		SXR	20:51	2.0	B	323	M1		485/II
727	02 07	Ha	12:51	0.7	18176	S15 W75	1B	1/5	456/II
		SXR	12:51	2.0	B	318	M4		485/II
728	02 09	Ha	04:23	1.1	18176	S14 W90	1B	3+/3	456/II
		SXR	04:23	2.0	B	318	M4		485/II
729	02 14	Ha	20:08	1.3	18204	S13 W69	1B	1/3	456/II
		SXR	20:08	3.0	AP	219	M2?		485/II
730	02 18	Ha	13:05	0.9	18216	N01 W13	SB	2+/5	456/II
		SXR	13:05	2.0	BP	109	M3.4		485/II
731	02 18	Ha	23:00	1.7	18216	N00 W19	SB	1/3	456/II
		SXR	23:00	2.0	BP	109	C9		485/II
732	02 19	Ha	12:00	3.8	18216	N01 W27	2B	-	456/II
		SXR	12:00	4.0	D	109	M1		485/II
733	02 20	Ha	09:15	1.2	18216	S01 W38	1B	3/5	456/II
		SXR	09:15	2.0	D	110	M1		485/II
734	02 20	Ha	17:55	1.7	18225	S15 E65	2B	1-/3	456/II
		SXR	17:55	3.0	AP	C05	C9		485/II
735	03 07	Ha	02:49	1.2	18240	N19 W53	2B	3+/3	457/II
		SXR	02:49	6.0	D	289	X2.7		486/II
736	03 08	SXR	20:00	4.0	-	-	M9	2+/5	457/II
737	03 10	Ha	02:59	1.0	18264	S00 E82	1N	3/5	457/II
		SXR	02:59	2.0	AP	100	M2.6		486/II
738	03 15	Ha	23:35	2.0	18266	N10 E18	1B	1-/3	457/II
		SXR	23:35	3.0	B	097	M1		486/II
739	03 19	Ha	04:05	2.1	18264	S05 W26	2B	1+/3	457/II
		SXR	04:05	2.5	BY	105	M2.6		486/II
740	03 19	Ha	15:30	2.3	18264	S10 W30	1B	2+/5	457/II
		SXR	15:30	2.0	BY	105	M2.7		486/II
741	03 23	Ha	05:18	0.3	18280	N10 E80	1B	2+/3	457/II
		SXR	05:18	2.0	AP	314	C9		486/II
742	03 27	Ha	02:12	1.2	18280	N12 E31	1N	1/5	457/II
		SXR	02:12	3.0	D	310	C9		486/II
743	03 28	Ha	06:25	1.5	18280	N12 E16	1N	2+/1	457/II
		SXR	06:25	4.0	D	310	C9.6		486/II
744	03 30	Ha	05:21	2.4	18280	N12 W12	2B	3+/5	457/II
		SXR	05:21	6.0	D	310	X2.8		486/II

Table 2 continued

1982

745	04 01	Ha	19:27	0.7	18280	N07 W56	1B	2+/5	458/II
		SXR	19:27	2.0	D	309	M4.0		486/II
746	04 02	Ha	09:00	0.7	18280	N08 W63	2B	3+/5	458/II
		SXR	09:00	3.0	D	309	M6.7		486/II
747	04 05	Ha	15:19	1.2	18290	N28 W90	-	-	458/II
		SXR	15:19	5.0	B	267	M1		486/II
748	04 08	Ha	02:18	1.0	18298	N04 W37	1B	-	458/II
		SXR	02:18	4.0	AP	189	C9.6		486/II
749	04 14	Ha	02:36	2.1	18310	S27 W02	2B	1-/3	458/II
		SXR	02:36	4.0	BP	102	M1.8		486/II
750	04 22	Ha	12:54	1.5	18331	N10 E45	2B	1-/5	458/II
		SXR	12:54	6.0	AP	313	M1		486/II
751	05 04	Ha	02:36	1.0	18356	S05 E49	1B	1/1	459/II
		SXR	02:36	2.0	D	144	C8		486/II
752	05 18	Ha	02:05	0.5	18383	N20 E59	1N	2/3	459/II
		SXR	02:05	2.5	B	308	C9		486/II
753	05 18	Ha	12:09	0.6	18383	N21 E55	1N	1/5	459/II
		SXR	12:09	2.0	B	308	M1		486/II
754	05 19	Ha	05:23	0.6	18383	N20 E44	SN	2+/3	459/II
		SXR	05:23	3.0	D	309	C9		486/II
755	05 20	Ha	14:10	1.9	18383	N20 E25	2B	3/5	459/II
		SXR	14:10	4.0	D	306	M1		486/II
756	05 21	Ha	14:10	1.0	18383	N20 E12	1B	3/5	459/II
		SXR	14:10	3.0	D	309	M1		486/II
757	05 22	Ha	00:34	1.2	18383	N17 E03	1N	2/3	459/II
		SXR	00:34	2.0	B	310	C9		486/II
758	05 22	Ha	17:02	0.1	18383	N19 E00	1B	2+/5	459/II
		SXR	17:02	3.0	B	310	C9		486/II
		Ha	17:46	1.0	18383	N20 W01	1N		
759	05 29	Ha	06:41	1.3	18398	S08 E63	SN	-	459/II
		SXR	06:41	5.0	no spots	147	C9		486/II
760	05 29	Ha	22:17	1.1	18398	S08 E56	SF	3/5	459/II
		SXR	22:17	2.5	no spots	147	M4		486/II
761	05 30	Ha	04:58	1.0	18396	S04 E05	SN	-	459/II
		SXR	04:58	2.0	B	203	M1		486/II
762	05 30	Ha	10:16	0.5	18382	N12 W90	2N	2+/5	459/II
		SXR	10:16	3.0	BY	308	M1		486/II

Table 2 continued

1982

763	05 30	Ha	20:12	0.5	18394	S20 W52	SF	1-/5	459/II
		SXR	20:12	3.0	AP	219	C9		486/II
764	06 03	Ha	23:41	3.9	18405	S10 E61	SB	1-/1	461/II
		SXR	23:41	3.0	D	083	M6		486/II
765	06 04	Ha	05:10	0.8	18405	S09 E59	1B	3+/5	461/II
		SXR	05:10	2.0	D	084	M6		486/II
766	06 04	Ha	13:13	0.5	18405	S10 E54	1B	3+/5	461/II
		SXR	13:13	6.0	D	084	X3		486/II
767	06 05	Ha	03:06	0.8	18405	SC8 E48	2B	3+/3	461/II
		SXR	03:06	3.0	D	083	M6		486/II
768	06 05	Ha	06:14	1.0	18405	S08 E42	1N	3/5	461/II
		SXR	06:14	3.0	D	083	M6		486/II
769	06 06	Ha	16:13	1.4	18405	S09 E25	2B	1/5	461/II
		SXR	16:13	8.0	D	084	X12.0		486/II
770	06 09	Ha	12:14	0.3	18405	S08 W15	SN	1+/3	461/II
		SXR	12:14	3.0	D	086	C9		486/II
771	06 09	Ha	22:12	1.4	18405	S09 W20	1B	2/5	461/II
		SXR	22:12	4.0	D	086	M2.0		486/II
772	06 10	Ha	18:02	3.1	18405	S10 W35	SB	1-/3	461/II
		SXR	18:02	6.0	D	084	M1.9		486/II
773	06 11	Ha	06:35	0.9	18405	S10 W38	1N	2+/5	461/II
		SXR	06:35	4.0	D	086	M2		486/II
774	06 12	Ha	05:12	0.8	18422	N10 E85	1B	3+/5	461/II
		SXR	05:12	3.0	D	314	X3.6		486/II
775	06 13	Ha	09:34	1.6	18422	N10 E73	2B	3+/5	461/II
		SXR	09:34	4.0	D	313	X1		486/II
776	06 14	Ha	06:16	1.1	18422	N09 E61	2B	3+/5	461/II
		SXR	06:16	3.0	D	315	M8		486/II
777	06 15	Ha	01:54	2.4	18422	N10 E47	1N	1-/3	461/II
		SXR	01:54	3.0	D	314	X2.4		486/II
778	06 15	Ha	10:20	1.9	18422	N10 E45	3B	3+/5	461/II
		SXR	10:20	4.0	D	314	X2		486/II
779	06 16	Ha	02:08	1.5	18422	N10 E34	2B	3+/3	461/II
		SXR	02:08	2.0	D	312	X2.0		486/II
780	06 20	Ha	01:49	1.2	18422	N12 W18	2B	3+/3	461/II
		SXR	01:49	2.0	BY	315	M1.0		486/II
781	06 21	Ha	22:14	1.8	18430	N15 W12	1N	2/3	461/II
		SXR	22:14	3.0	D	279	M1.3		486/II

Table 2 continued

1982

782	06 22	Ha	05:11	1.4	18430	N16 W15	1B	3+/3	461/II
		SXR	05:11	2.0	D	278	M2.5		486/II
783	06 22	Ha	14:22	1.5	18430	N17 W21	1B	3/5	461/II
		SXR	14:22	4.0	D	278	M3.8		486/II
784	06 22	Ha	18:29	1.1	18430	N16 W22	1B	2/3	461/II
		SXR	18:29	2.0	D	278	M2.7		486/II
785	06 23	Ha	06:25	1.7	18430	N17 W29	2N	3+/3	461/II
		SXR	06:25	4.0	D	279	M4.4		486/II
786	06 23	Ha	18:39	2.2	18430	N15 W36	1B	1-/3	461/II
		SXR	18:39	4.0	D	279	M1.0		486/II
787	06 25	Ha	21:32	1.3	18430	N18 W60	2B	2+/5	461/II
		SXR	21:32	2.0	D	279	M7.5		486/II
788	06 26	Ha	00:38	1.2	18430	N16 W64	2B	3+/3	461/II
		SXR	00:38	4.0	B	281	X1.9		486/II
789	06 26	Ha	19:08	1.7	18430	N16 W74	2B	3+/5	461/II
		SXR	19:08	4.0	B	281	X2.1		486/II
790	06 27	Ha	18:40	?	18431?	N16 W66?	?	3+/3	461/II
		SXR	18:40	8.0	BP	243	M8		486/II
791	07 04	Ha	04:40	1.0	18462	S14 E82	SB	3/5	461/II
		SXR	04:40	4.0	AF	065			487/II
792	07 07	Ha	04:07	0.8	3802	S17 E37	1B	1/1	461/II
		SXR	04:07	2.0	AP	322	C3		487/II
793	07 08	Ha	06:50	0.5	3804	N10 E89	1N	3+/5	461/II
		SXR	06:50	2.0	AP	322	M8.8		487/II
794	07 09	Ha	00:18	1.3	3804	N11 E79	1B	1-/3	461/II
		SXR	00:18	2.0	D	320	C9		487/II
795	07 09	Ha	07:20	1.0	3804	N18 E76	3B	3+/5	461/II
		Ha	08:48	1.0	3804	N11 E80	1B		487/II
		SXR	07:20	8.0	D	320	X1		457/I
796	07 10	Ha	15:32	1.5	18472	S25 E42	SB	1-/3	461/II
		SXR	15:32	3.0	D	320	C9		487/II
797	07 10	Ha	19:59	2.0	18474	N10 E53	1B	2+/3	461/II
		SXR	19:59	3.5	D	320	M1		487/II
798	07 11	Ha	23:05	1.3	18474	N10 E41	2B	2+/5	461/II
		Ha	23:44	1.2	18474	N14 E41	1B		487/II
		SXR	23:05	4.0	D	322	M5.3		457/I
799	07 12	Ha	05:03	1.5	18474	N06 E38	2N	2+/3	461/II
		SXR	05:03	2.0	D	321	M1		487/II

Table 2 continued

1982

800	07 12	Ha	09:00	3.2	18474	N11 E36	3B	3+/3	461/II
		SXR	09:00	10.0	D	321	X6		487/II
801	07 13	Ha	13:55	1.0	18474	N11 E17	1N	2+/5	461/II
		SXR	13:55	2.0	D	321	M1		487/II
802	07 14	Ha	13:13	4.8	18474	N21 E21	2N	1/5	461/II
		SXR	13:13	5.0	D	322	M1.3		487/II
803	07 15	Ha	02:12	1.6	18474	N18 E09	1B	3/3	461/II
		SXR	02:12	4.0	D	320	M1		487/II
804	07 17	Ha	10:28	0.8	18474	N14 W33	2B	3+/5	461/II
		SXR	10:28	4.0	D	320	X2		487/II
805	07 19	Ha	03:25	1.1	18474	N11 W57	1B	1/3	461/II
		SXR	03:25	2.0	BY	318	M1.0		487/II
806	07 19	Ha	08:21	1.2	18485	N23 W09	1N	1/3	461/II
		SXR	08:21	4.0	B	277	C9		487/II
807	07 19	Ha	22:08	1.7	18474	N10 W70	1N	1/3	461/II
		SXR	22:08	6.0	BY	318	M7		487/II
808	07 20	Ha	11:37	2.5	18474	N13 W61	1N	1/3	461/II
		SXR	11:37	8.0	B	318	M3.6		487/II
809	07 20	Ha	23:08	0.6	18474	N19 W70	1B	1/3	461/II
		SXR	23:08	2.0	B	318	M1		487/II
810	07 21	Ha	16:44	0.2	18474	N15 W86	SN	2/3	461/II
		SXR	16:44	2.0	AF	315	M1		487/II
811	07 21	Ha	18:15	0.6	18474	N23 W88	1B	2/3	461/II
		SXR	18:15	5.0	AF	315	M3.4		487/II
812	07 22	Ha	16:48	1.0	18474	N16 W89	1N	2+/5	461/II
		SXR	16:48	6.0	AF	315	M1		487/II
813	08 01	Ha	07:00	?	18492B	S10 E32	?	2/5	462/II
		SXR	07:00	3.0	BY	061	C9		487/II
814	08 02	Ha	08:05	0.6	18492B	S10 E19	SN	1-/3	462/II
		SXR	08:05	4.0	B	061	M1		487/II
815	08 02	Ha	16:09	1.4	18480	S14 W21	2B	1-/5	462/II
		SXR	16:09	2.0	no spots	103	C6.8		487/II
816	08 02	Ha	17:59	1.5	18492	S11 E13	SB	1-/3	462/II
		SXR	17:59	2.0	B	061	C7		487/II
817	08 07	Ha	11:55	1.2	18511	N13 E47	1N	1-/5	462/II
		SXR	11:55	2.0	D	345	M1		487/II
818	08 08	Ha	16:03	1.8	18519	N14 E70	1B	1-/5	462/II
		SXR	16:03	2.0	AP	285	M1.7		487/II

Table 2 continued

1982

819	08 08	Ha	16:47	2.0	18511	N08 E15	SF	2/5	462/II
		SXR	16:47	3.0	D	341	M2		487/II
820	08 09	Ha	06:37	0.9	18511	N14 E23	1B	3+/5	462/II
		SXR	06:37	3.0	D	343	M2.0		487/II
821	08 29	Ha	03:14	0.9	18532	N15 W39	SN	1/3	462/II
		SXR	03:14	3.5	BY	129	C5.1		487/II
822	08 31	Ha	05:50	1.0	3886	N13 E89	1F	2+/5	462/II
		SXR	05:50	2.0	BY	329	M1		487/II
823	09 01	Ha	07:30	1.0	3886	N13 E76	2N	3/5	463/II
		SXR	07:30	2.0	BY	329	M3.3		487/II
824	09 01	Ha	08:17	1.2	3885	N07 E68	3N	1/3	463/II
		SXR	08:17	3.5	AP	347	M3		487/II
825	09 04	Ha	00:25	0.9	3886	N12 E38	2B	3 /3	463/II
		SXR	00:25	2.0	B	329	M9		487/II
826	09 04	Ha	01:26	5.5	3885C	N22 E29	3N	-	463/II
		SXR	01:26	2.0	A	339	M9		497/II
827	09 04	Ha	04:24	3.3	3886	N12 E33	2N	-	463/II
		SXR	04:24	8.0	B	329	M8		487/II
828	09 05	Ha	10:08	0.7	3895	S09 E79	SN	1+/3	463/II
		SXR	10:08	2.0	AP	269	C8		487/II
829	09 08	Ha	23:45	1.6	3895	S09 E31	1N	1/3	463/II
		SXR	23:45	2.5	AP	269	C9		487/II
830	09 12	Ha	15:39	1.5	3895	S15 W10	1N	1/3	463/II
		SXR	15:39	4.0	AP	269	C9		487/II
831	09 19	Ha	13:51	4.2	3907	S14 E06	2B	1-/3	459/I
		SXR	13:51	6.0	AP	156	C9.2		463/II
832	09 26	Ha	12:20	0.9	3917	N15 E36	1N	-	463/II
		SXR	12:20	3.0	AP	037	C5		487/II
833	10 24	Ha	13:40	2.4	3960	N12 E42	1B	-	464/II
		SXR	13:40	2.0	AF	022	M2.2		487/II
834	10 25	Ha	22:48	2.0	3960	N11 E21	1B	1-/3	464/II
		SXR	22:48	5.0	D	022	M2.1		487/II
835	10 27	Ha	03:31	1.8	3955	S09 W24	1N	1/3	464/II
		SXR	03:31	2.5	BY	053	M3.7		487/II
836	10 29	Ha	16:13	1.8	3960	N11 W26	1N	1/1	464/II
		SXR	16:13	4.0	B	022	C4.7		487/II
837	11 01	Ha	04:32	0.3	3966	N04 W29	SN	2/3	465/II
		SXR	04:32	2.0	D	349	C9		487/II

Table 2 continued

1982

838	11 09	Ha	02:58	0.2	3987	S11 E85	SN	1+/3	465/II
		SXR	02:58	4.0	B		C9		487/II
839	11 10	Ha	17:46	1.3	3987	S12 E58	2B	2/5	465/II
		SXR	17:46	3.5	B		M2.1		487/II
840	11 12	Ha	02:58	2.1	3987	S11 E37	1N	1/5	465/II
		SXR	02:58	3.0	D		M2.0		487/II
841	11 12	Ha	05:25	1.9	3995	S15 E31	1N	1-/3	465/II
		SXR	05:25	3.0	B		M1.1		487/II
842	11 12	Ha	08:18	1.3	3987	S11 E35	1N	1/3	465/II
		SXR	08:18	4.0			M1		487/II
843	11 12	Ha	14:07	1.5	3987	S11 E33	2B	3/5	465/II
		SXR	14:07	4.0	D		X1.1		487/II
844	11 12	Ha	23:44	1.6	3987	S12 E27	2N	1-/1	465/II
		SXR	23:44	3.0	D		M4.9		487/II
845	11 13	Ha	02:28	2.4	3995	S15 E23	1N	1+/3	465/II
		SXR	02:28	2.5	B		M1.8		487/II
846	11 13	Ha	05:52	1.0	3987	S12 E23	1B	1/3	465/II
		SXR	05:52	3.0	D		M3.2		487/II
847	11 13	Ha	14:14	1.4	3987	S16 E20	1B	1-/3	465/II
		SXR	14:14	3.0	D		C8.4		487/II
848	11 13	Ha	23:56	1.0	3987	S11 E14	1N	2+/1	465/II
		SXR	23:56	3.5	D		M2.2		487/II
849	11 15	Ha	01:43	1.1	3987	S11 W01	2B	2+/3	465/II
		SXR	01:43	4.0	D		M8.5		487/II
850	11 15	Ha	16:01	1.5	3987	S12 W09	1B	1+/3	465/II
		SXR	16:01	2.0	D		M1.3		487/II
851	11 16	Ha	03:40	1.7	3987	S12 W11	1N	1/3	465/II
		SXR	03:40	3.5	B		M2.1		487/II
852	11 16	Ha	20:41	2.0	3987	S12 W26	1B	1/3	465/II
		SXR	20:41	3.5	B		M2.3		487/II
853	11 17	Ha	10:54	0.2D	3994	S15 E40	1N	1/3	465/II
		SXR	10:54	2.0	B		C9		487/II
854	11 17	Ha	13:57	1.8	3987	S12 W34	1B	2+/5	465/II
		SXR	13:57	2.0	B		M2.8		487/II
855	11 18	Ha	04:54	1.1	3994	S15 E30	1B	1+/3	465/II
		SXR	04:54	2.0	BY		M1.4		487/II
856	11 20	Ha	22:14	1.0	3994	S12 W12	SN	1/3	465/II
		SXR	22:14	4.5	BY		C9		487/II

Table 2 continued

1982

857	11 21	Ha	06:05	1.1	3987	S12 W81	1N	2/3	465/II
		SXR	06:05	6.0	B		M1.5		487/II
858	11 22	Ha	15:14	3.0	3994	S11 W36	1N	1-/3	465/II
		SXR	15:14	12.0	BY		M5		487/II
859	11 26	Ha	02:30	1.8	3994	S12 W87	1N	2/3	465/II
		SXR	02:30	12.0	B		X4.5		487/II
860	12 02	Ha	18:06	4.5	4012	N12 E50	2B	1/3	466/II
		SXR	18:06	4.5	BY	219	M1		488/II
861	12 03	Ha	08:59	0.9	4014	NO7 E56	1B	2/5	466/II
		SXR	08:59	2.0	BY	204	M1.3		488/II
862	12 08	Ha	00:43	0.6	4014	NO8 W08	SN	1-/3	466/II
		SXR	00:43	6.0	BY	204	X1		488/II
863	12 08	Ha	02:41	1.2	4022	NO9 E74	1N	3/3	466/II
		SXR	02:41	2.0	BY	116	M1		488/II
864	12 08	Ha	13:23	5.2	4022	NO9 E72	2B	2/5	466/II
		SXR	13:23	8.0	BY	116	M6.7		488/II
865	12 10	Ha	03:58	1.0	4014	NO8 W36	1B	2+/3	466/II
		SXR	03:58	6.0	BY	204	M8		488/II
866	12 10	Ha	12:04	2.4	4014	NO5 W43	1B	2/5	466/II
		SXR	12:04	2.0	BY	204	M2.8		488/II
867	12 11	Ha	10:05	2.3	4023	S12 E04	2N	1/3	466/II
		SXR	10:05	3.0	B	153	C5		488/II
868	12 13	Ha	03:18	0.7	4026	S09 E50	2B	3+/3	466/II
		SXR	03:18	2.0	D	078	M8.3		488/II
869	12 13	Ha	07:36	1.4	4026	S10 E51	1B	3/5	466/II
		SXR	07:36	4.0	D	078	M5.2		488/II
870	12 15	Ha	01:50	1.0	4026	S09 E24	2B	3+/5	466/II
		SXR	01:50	2.0	BY	078	X12.9		488/II
871	12 15	Ha	16:20	1.5	4026	S10 E15	1B	2/3	466/II
		SXR	16:20	2.0	BY	078	X5.0		488/II
872	12 15	Ha	20:45	2.6	4025	S06 E00	1B	2/5	466/II
		SXR	20:45	3.0	D	088	M2.5		488/II
873	12 16	Ha	14:53	1.3	4025	S06 W08	2B	2/5	466/II
		SXR	14:53	4.0	BY	088	X1.6		488/II
874	12 17	Ha	02:21	0.6	4022	N11 W38	SN	1+/1	466/II
		SXR	02:21	2.0	D	116	M4		488/II
875	12 17	Ha	21:06	1.5	4026	S08 W14	2B	1/5	466/II
		SXR	21:06	5.0	AF	078	M4.2		488/II

Table 2 continued

1982									
876	12 19	Ha	15:08	2.4	4022	N10 W75	1B	2+/3	466/II
		SXR	15:08	10.0	AP	116	M9.0		488/II
877	12 21	Ha	05:54	0.7	4025	S09 W70	2N	2+/3	466/II
		Ha	06:01	0.7	4026	S10 W64	1N		488/II
		SXR	05:54	5.0	AF	078	M1		462/I
878	12 22	Ha	08:22	0.5	4025	S09 W88	1B	3+/5	466/II
		SXR	08:22	4.0	AF	088	X2.4		488/II
879	12 25	Ha	06:10	2.0	4042A	S17 E45	3B	2/3	466/II
		SXR	06:10	6.0	BY	293	X1		488/II
880	12 26	Ha	01:44	1.3	4033	S11 E26	1N	1+/3	466/II
		SXR	01:44	2.0	BY	293	C9.8		488/II
881	12 29	Ha	06:43	0.5	4033	S13 W12	2B	3+/3	466/II
		SXR	06:43	2.0	BY	293	X1.9		488/II
882	12 30	Ha	01:40	1.0	4033	S13 W23	1N	3+/3	466/II
		SXR	01:40	3.0	BY	293	M7.1		488/II
883	12 30	Ha	17:39	1.7	4033	S12 W34	1B	1-/3	466/II
		SXR	17:39	2.5	BY	293	C8.4		488/II
1983									
884	01 07	Ha	09:30	1.1	4047	S15 E01	2N	-	467/II
		SXR	09:30	2.0	no spots	161	C5		489/II
885	01 13	Ha	18:07	1.7	4053A	S16 W16	2N	2/1	467/II
		SXR	18:07	4.0	AF	099	C3.9		489/II
886	01 27	Ha	03:10	0.7	4075	S14 E74	1N	1/3	467/II
		SXR	03:10	2.0	AP	176	M1.2		489/II
887	02 03	Ha	05:41	2.5	4077	S17 W07	2B	3+/5	468/II
		SXR	05:41	6.0	D	169	X4.1		489/II
888	02 09	Ha	22:41	0.5	4077	S17 W80	SF	1-/1	468/II
		SXR	22:41	5.0	D	169	C6		489/II
889	02 22	Ha	20:00		4098	E90		1-/1	468/II
		SXR	20:00	4.0			M2		489/II
890	02 26	Ha	22:40	0.8	4094	N12 W15	SN	-	468/II
		SXR	22:40	2.5	B	226	C1.4		489/II
891	04 14	Ha	08:17	1.5	4142	S06 E37	2N		470/II
		SXR	08:17	4.0	BY	287	C2		490/II
892	04 18	Ha	01:22	1.1	4150	S13 E90	?		470/II
		SXR	01:22	6.0	AP	176	M6.7		490/II

Table 2 continued

1983

893	04 20	Ha	06:45	1.0	4148	S29 W66	SN		470/II
		SXR	06:45	4.0	D	310	C2.2		490/II
894	04 30	Ha	08:05	1.9	4156	S17 W17	2B		470/II
		SXR	08:05	3.0	AP	131	M2.9		490/II
895	05 01	Ha	23:14	1.4	4156	S16 W37	2N	1+/3	471/II
		SXR	23:14	4.0	AP	131	M2.9		490/II
896	05 05	Ha	00:02	1.0	4157	S02 W68	SN	1/3	471/II
		SXR	00:02	2.0	D	110	C4.2		490/II
897	05 08	Ha	02:24	2.1	4171	S30 E61	2N	3+/3	471/II
		SXR	02:24	12.0	D	300	X1.3		490/II
898	05 11	Ha	14:51	0.5D	4171	S30 E24	1B	2/3	471/II
		SXR	14:51	3.0	BY	300	M1.9		490/II
899	05 12	Ha	13:33	1.3	4173	S11 W43	SB	1-/5	471/II
		SXR	13:33	2.0	D	347	M2.2		490/II
900	05 14	Ha	06:30	1.8	4171	S27 W21	1N	2+/3	471/II
		SXR	06:30	4.0	AF	300	M1		490/II
901	05 14	Ha	15:35	1.3	4173	S11 W68	SN	1-/3	471/II
		SXR	15:35	2.5	D	347	C5.1		490/II
902	05 15	Ha	06:15	1.0	4173	S11 W80	SN	1-/3	471/II
		SXR	06:15	2.0	D	347	M2.0		490/II
903	05 15	Ha	08:39	0.7	4173	S12 W82	1B	3+/5	471/II
		SXR	08:39	7.0	D	347	X2.3		490/II

From May 16, 1983 GOES-2 satellite data are not longer available.

From October 1983 solar SXR data are available from GOES-5.

904	10 02	Ha	06:11	1.8	4324	S17 W55	1N	2/3	493/II
		SXR	06:11	4.0	BY	267	M1.1		479/II
905	10 05	Ha	14:56	1.7	4328	N07 E40	1B	2/5	493/II
		SXR	14:56	2.5	BY	133	M2.0		479/II
906	10 05	Ha	17:29	1.9	4328	N07 E38	1B	1+/3	493/II
		SXR	17:29	2.0	BY	133	C6.2		479/II
907	10 14	Ha	15:47	2.5	4331	N14 W56	2B	1-/3	493/II
		SXR	15:47	3.0	AP	112	C8.4		479/II
908	10 15	Ha	08:24	1.0	4335	N21 W30	SN	1-/3	493/II
		SXR	08:24	2.0	D	076	C4.7		479/II
909	10 15	Ha	23:07	0.7	4335	N20 W38	SN	1-/1	493/II
		SXR	23:07	2.0	D	076	C1.8		479/II

Table 2 continued

1983									
910	10 16	Ha	18:48	1.6	4335	N20 W50	SN	-	493/II
		SXR	18:48	2.5	D	076	C1.9		479/II
911	10 19	Ha	14:43	0.6	4335	N20 W88	SN	1/3	493/II
		SXR	14:43	3.0	D	076	C6.4		479/II
912	10 19	Ha	17:54	0.1D	4335	N18 W88	SF	1/3	493/II
		SXR	17:54	3.0	D	076	M1.4		479/II
913	11 01	Ha	11:45	0.7	4353	S13 E90		2/5	493/II
		SXR	11:45	3.0	BY	082	M1		477/II
914	11 08	Ha	17:18	3.2	4353	S14 E01	1B	1-/3	493/II
		SXR	17:18	3.0	BY	082	M1.3		477/II
915	12 05	Ha	12:16	1.3	4370	S12 E16	SN		493/II
		SXR	12:16	2.5	no spots	070	C2.1		478/II
916	12 06	Ha	15:27	1.3	4372	S12 E58	1N	2/3	493/II
		SXR	15:27	2.0	B	017	M1.1		478/II
1984									
917	01 13	Ha	01:37	1.3	4393	S16 E46	SN	1/1	494/II
		SXR	01:37	2.0	B	256	C1.8		479/II
918	01 20	Ha	13:32	2.2	4393	S17 W62	1N	2/3	494/II
		SXR	13:32	4.0	B	256	M1.0		479/II
919	01 21	Ha	07:21	0.2D	4393	S18 W70	SN	-	494/II
		SXR	07:21	4.0	B	256	C2		479/II
920	01 26	Ha	00:35	1.0	4398	N16 E26	SB	2/3	494/II
		SXR	00:35	2.0	D	108	M3.6		479/II
921	01 26	Ha	15:51	1.8	4399	N12 E37	SN	1+/3	494/II
		SXR	15:51	2.0	BY	087	C9		479/II
922	01 31	Ha	07:10	0.7	4398	N18 W54	1B	2/3	494/II
		SXR	07:10	2.0	D	108	M1		479/II
923	01 31	Ha	10:50	1.1	4398	N15 W45	SB	1-/1	494/II
		SXR	10:50	5.0	D	108	C7		479/II
924	02 01	Ha	19:28	0.7	4403	N12 W22	SF	3/3	494/II
		SXR	19:28	8.0	B new	066	C9		480/II
925	02 08	Ha	08:57	0.7	4410	S13 E19	1B	-	494/II
		SXR	08:57	3.5	BP	299	C2.2		480/II
926	02 09	Ha	11:35	0.7	4413	S13 E41	SF	1-/3	494/II
		SXR	11:35	2.5	D	265	C5		480/II

Table 2 continued

1984

927	02 10	Ha	02:48	1.0	4408	S14 W48	2B	3+/3	494/II
		SXR	02:48	2.0	BY	340	M4.8		480/II
928	02 17	Ha	22:26	1.6	4421	N17 E81	1N	2/3	494/II
		SXR	22:26	12.0	D	115	X2.3		480/II
929	02 20	Ha	23:34	0.6	4421	N14 E36	SN	1-/1	494/II
		SXR	23:34	3.0	D	115	C2.6		480/II
930	02 22	Ha	01:29	1.5	4421	N15 E23	1N	2+/3	494/II
		SXR	01:29	4.0	D	115	M1.9		480/II
931	02 24	Ha	01:03	1.9	4421	N11 W06	1B	1-/3	494/II
		SXR	01:03	3.0	D	115	C5.9		480/II
932	02 24	Ha	03:29	0.9	4423	S14 E60	2B	3/3	494/II
		SXR	03:29	2.5	BY	048	M2.0		480/II
933	02 25	Ha	03:11	1.1	4423	S15 E48	3B	3+/3	494/II
		SXR	03:11	3.0	BY	048	M2.5		480/II
934	02 26	Ha	12:18	3.0	4423	S11 E31	1B	2+/5	494/II
		SXR	12:18	5.0	BY	048	M1.7		480/II
935	02 26	Ha	18:48	1.2	4422	N16 W14	SN	2/3	494/II
		SXR	18:48	3.0	BY	102	C4.9		480/II
936	02 27	Ha	08:53	0.7	4421	N14 W46	1N	2+/5	494/II
		SXR	08:53	2.0	D	114	C9.9		480/II
937	02 27	Ha	21:07	0.5	4421	N11W54	1N	2/5	494/II
		SXR	21:07	2.0	D	114	M2.0		480/II
938	03 14	Ha	03:15	1.8	4433	S11 W43	2B	2+/3	494/II
		SXR	03:15	4.5	Bnew	256	M2.0		481/II
939	03 14	Ha	19:01	2.1	4433?			1+/3	494/II
		SXR	19:32	6.0		256	M2.0		481/II
940	03 16	Ha	08:53	0.5	4443	N15 E78	1B	3/5	494/II
		SXR	08:53	2.0	AF	112	M1		481/II
941	03 27	Ha	21:47	0.8	4455	S10 E79	SN	2-/5	494/II
		SXR	21:47	2.0	BY	325	M1.4		481/II
942	03 29	Ha	01:58	0.5	4455	S13 E55	SB	3+/3	494/II
		SXR	01:58	2.0	BY	325	M2.2		481/II
943	04 01	Ha	21:37	1.5	4460	S12 E67	2N		494/II
		SXR	21:37	2.0	B new	283	C7.6		482/II
944	04 05	Ha	13:02	1.5	4458	N18 W27	1B		494/II
		SXR	13:02	2.0	B	312	C7.4		482/II
945	04 06	Ha	01:58	1.5	4455	S13 W50	1N		494/II
		SXR	01:58	4.0	AP	326	C7.6		482/II

Table 2 continued

1984								
946	04 10	Ha	01:17	0.3	4458	N22 W88	SN	494/II
		SXR	01:17	3.0	B	312	C9	482/II
947	04 18	Ha	12:15	0.9	4469	S18 E33	1B	494/II
		SXR	12:15	2.0	AF	081	C9.8	482/II
948	04 21	Ha	19:58	1.3	4471	N04 W83	SF	494/II
		SXR	19:58	4.0	B new	155	M2	482/II
949	04 23	Ha	16:03	0.3D	4474	S10 E61	1N	494/II
		SXR	16:03	4.0	D	350	X1	482/II
950	04 24	Ha	02:59	2.2	4474	S08 E56	2N	494/II
		SXR	02:59	4.0	B+new	350	X1.0	482/II
951	04 24	Ha	23:56	2.1	4474	S11 E45	3B	494/II
		SXR	23:56	8.0	B+new	350	X13	482/II
952	04 26	Ha	12:40	1.5	4474	S13 E14	1B	494/II
		SXR	12:40	2.5	AP+Bnew	350	M1	482/II
953	04 27	Ha	13:48	4.8	4474	S12 E12	1B	494/II
		SXR	13:48	5.0	AP+B	350	M2.5	482/II
954	04 29	Ha	05:42	2.5	4474	S15 W01	1N	494/II
		SXR	05:42	5.0	3xB	350	M1.5	482/II
955	04 29	Ha	14:13	1.3	4474	S14 W23	1N	494/II
		SXR	14:13	5.0	3xB	350	M1.C	482/II
956	04 30	Ha	05:40	1.1	4474	S14 W34	1B	494/II
		SXR	05:40	2.0	3xB	350	C8	482/II
957	05 01	Ha	00:13	2.2	4474	S14 W35	1B 2+/1	494/II
		SXR	00:13	6.0	BY	350	M4.0	483/II
958	05 02	Ha	16:04	1.1	4474	S14 W54	SB 2/5	494/II
		SXR	16:04	2.0	BY	350	C7.9	483/II
959	05 02	Ha	19:14	2.5	4474	S10 W59	SB 2+/5	494/II
		SXR	19:14	6.0	BY	350	M3.0	483/II
960	05 03	Ha	23:34	1.1	4474	S13 W71	SN 1-/3	494/II
		SXR	23:34	2.0	BY	350	C3.6	483/II
961	05 05	Ha	11:09	0.5	4476	S13 W68	1B 2/5	494/II
		SXR	11:09	6.0	AP	340	M5	483/II
962	05 05	SXR	19:00	3.0			M5 2+/5	483/II
963	05 10	Ha	01:15	2.1	4481	N16 E65	1F 1-/3	494/II
		SXR	01:15	5.0	BY	152	C5	483/II
964	05 20	Ha	22:18	1.7	4492	S07 E53	2B 3+/5	494/II
		SXR	22:18	4.0	2 x B	002	X10.1	483/II

Table 2 continued

1984									
965	05 21	Ha	03:45	0.7	X	N08 W90	SN	3+/3	494/II
		SXR	03:45	8.0	no spots	152	M2		483/II
966	05 21	Ha	19:32	3.2	4492	S07 E41	2B	3+/5	494/II
		SXR	19:32	3.5	2 x B	002	X2.7		483/II
967	05 22	Ha	15:01	0.1D	4492	S09 E26	2B	3/5	494/II
		SXR	15:01	3.0	2 x B	002	M6.3		483/II
968	05 25	Ha	08:35	0.9	4492	S06 W05	1N	2+/5	494/II
		SXR	08:35	3.0	2 x B	002	M1.7		483/II
969	06 01	Ha	10:01	1.7	4500A	N22 E08	1N		494/II
		SXR	10:01	2.0	flocula	243	C3.6		484/II
970	06 05	Ha	01:59	0.7	4507	S14 W58	1N		494/II
		SXR	01:59	2.0	2 x B	264	C3.4		484/II
971	06 21	Ha	13:40	1.2	4513	S06 W34	1N		494/II
		SXR	13:40	2.0	B	023	C2.7		484/II
972	07 04	Ha	00:51	1.9	4532	S08 E68	1N	1-/1	495/II
		SXR	00:51	4.0	3xAP	105	M1.4		485/II
973	07 17	Ha	00:55	0.5	4537	S09 W62	1N	1+/3	495/II
		SXR	00:55	2.0	AF	067	C5.6		485/II
974	09 02	Ha	10:03	0.7	4567	S07 W35	1N	2/5	495/II
		SXR	10:03	2.0	D	134	C8.5		487/II
975	11 10	Ha	04:32	0.6	4592	N17 E14	1B	3/3	495/II
		SXR	04:32	4.0	B	260	M2.1		489/II
976	11 10	Ha	13:05	0.6	4592	N16 E10	SN	1-/3	495/II
		SXR	13:05	2.0	B	260	C1.8		489/II
977	11 10	Ha	19:47	1.2	4592	N17 E06	1B	2/5	495/II
		SXR	19:47	4.0	B	260	M3.7		489/II
978	11 12	Ha	09:58	1.3	4592	N16 W16	1N	1-/3	495/II
		SXR	09:58	4.0	B	260	C3		489/II
979	12 21	Ha	02:36	0.7	4609	S14 E34	SN	1-/1	495/II
		SXR	02:36	2.0	flocula	045	C1.1		490/II
1985									
980	01 15	Ha	19:12	1.6	4616	S08 W18	SN	1-/3	496/II
		SXR	19:12	4.0	B	136	C3.1		491/II
981	01 20	Ha	20:39	1.1	4617	S09 W24	1B	2/5	496/II
		SXR	20:39	3.0	BY	073	M4.1		491/II
982	01 21	Ha	02:39	1.3	4617	S10 W28	SN	-	496/II
		SXR	02:39	4.0	BY	073	M2.2		491/II

Table 2 continued
1985

983	01 21	Ha	09:55	0.6	4617	S10 W32	SN	1-/3	496/II
		SXR	09:55	3.0	BY	073	C4.6		491/II
984	01 21	Ha	14:10	4.1	4617	S09 W35	SN	1-/1	496/II
		SXR	14:10	4.0	BY	073	M2.4		491/II
985	01 21	Ha	23:08	2.7	4617	S10 W40	1N	3+/5	496/II
		SXR	23:08	8.0	BY	073	X4.7		491/II
986	01 23	Ha	11:40	1.0	4617	S09 W58	SB	1-/3	496/II
		SXR	11:40	2.5	BY	073	C5.8		491/II
987	03 21	Ha	15:09	0.2D	4637	N05 E85	SB	-	496/II
		SXR	15:09	3.0	AP	251	C7.5		493/II
988	03 25	Ha	23:30	0.2	4637	N08 E37	SN	-	496/II
		SXR	23:30	3.0	AP	251	C1		493/II
989	04 23	Ha	21:08	0.3	4647	N04 E30	SN	1-/3	496/II
		SXR	21:08	4.0	BY	236	C5.5		494/II
990	04 24	Ha	03:09	1.9	4647	N05 E26	1N	1-/3	496/II
		SXR	03:09	4.0	BY	236	C2.2		494/II
991	04 24	Ha	08:50	2.0	4647	N05 E24	2B	1/1	496/II
		SXR	08:50	6.0	BY	236	X1.9		494/II
992	04 25	Ha	07:24	0.7	4644	N05 E24	SN	1+/3	496/II
		SXR	07:24	2.0	D	236	C4.2		494/II
993	04 26	Ha	22:46	0.7	4647	N08 W10	SF	1-/1	496/II
		SXR	22:46		D	236	C2		494/II
994	04 27	Ha	22:00	2.1	4677	N02 W35	SN	1/1	496/II
		SXR	22:00	6.0	D	236	C1		494/II
995	05 01	Ha	14:30	0.5	4647	N04 W72	SB	1/5	496/II
		SXR	14:30	2.0	D	236	C2.7		495/II
996	05 02	Ha	07:20	1.1	4647	N04 W86	1B	2+/5	496/II
		SXR	07:20	5.0	D	236	X1		495/II
997	05 13	Ha	09:16	1.5	4652	S12 E07	1B	2/5	496/II
		SXR	09:16	2.0	AP	360	C8		495/II
998	07 02	Ha	11:07	1.1	4671	S14 E63	SN	1/3	497/II
		SXR	11:07	2.0	BY	359	C1.8		497/II
999	07 02	Ha	20:56	2.2	4671	S15 E56	2B	2+/5	497/II
		SXR	20:56	6.0	BY	359	M4.5		497/II
1000	07 09	Ha	01:33	2.2	4671	S13 W25	1N	2+/3	497/II
		SXR	01:26	6.0	D	359	M2.9		497/II
1001	07 10	Ha	05:30		4671	S14 W40	SF	-	497/II
		SXR	05:30	4.0	D	359	C1.7		497/II

Table 2 continued

1985									
1002	09 13	Ha	07:35	0.2	4694	S14 E81	SF		499/II
		SXR	07:35	2.0			C1.7		
1003	09 15	Ha	07:29	0.4	4694	S11 E53	1B		499/II
		SXR	07:33	2.0			C4.3		
1004	10 26	Ha	04:55	1.0	4698	N07 W61	1B	3+/3	500/II
		SXR	03:59	3.0	2 x B	014	M1.8		
1005	12 14	Ha	12:45	0.5	4708	N03 E12	SB	1-/1	502/II
		SXR	12:46	2.0	AP	C27	C1.9		498/I
1986									
1006	01 15	Ha	06:54	1.4	4710	S09 W67	1N	2+/3	503/II
		SXR	06:54	3.0	B	056	M1.1		499/I
1007	01 15	Ha	21:48	0.2	4710	S12 W72	SF	1+/1	503/II
		SXR	21:48	2.5	B	056	C4.6		499/I
1008	01 16	Ha	16:09	0.2	4710	S09 W86	SF	2/3	503/II
		SXR	16:16	2.5	B	056	M6.6		499/I
1009	01 16	Ha	18:37	0.5	4710	S12 W88	SN	2+/3	503/II
		SXR	18:37	2.5	B	056	M1.3		499/I
1010	01 28	SXR	13:47	4.0			B7.3		503/II
1011	02 02	Ha	19:46	1.2	4711	S10 E49	SF	-	504/II
		SXR	19:46	4.0	D	071	C3.0		500/I
1012	02 03	Ha	20:37	2.2	4711	S09 E26	1B	1+/5	504/II
		SXR	20:37	4.0	D	071	M2.3		500/I
1013	02 04	Ha	07:32	0.9	4711	S03 E21	3B	3+/5	504/II
		SXR	07:35	2.0	D	071	X3.0		500/I
1014	02 04	Ha	10:25	0.7	4713	S02 E68	1B	2+/5	504/II
		SXR	10:27	2.0	AP	012	M6.4		500/I
1015	02 06	Ha	06:18	1.0	4711	S04 W06	3B	3/5	504/II
		SXR	06:18	2.0	D	071	X1.7		500/I
1016	02 07	Ha	10:11	2.5	4711	S10 W20	2B	2+/5	504/II
		SXR	10:11	8.0	D	071	M5.2		500/I
1017	02 10	Ha	07:08	1.2	4713	N01 W18	SN	2/3	504/II
		SXR	07:08	2.0	D	012	C5.2		500/I
1018	02 10	Ha	20:25	0.6	4713	S01 W32	SB	-	504/II
		SXR	20:25	3.0	D	012	C9.5		500/I
1019	02 11	Ha	23:03	0.9	4713	N00 W43	SN	2/3	504/II
		SXR	23:03	3.0	D	012	M1.C		500/I

Table 2 continued

1986										
1020	02	13	Ha	02:46	0.2	4713	NO4 W63	SF	1-/1	504/II
			SXR	02:46	8.0	BY	012	M1.0		500/I
1021	02	14	Ha	09:09	1.0	4713	NO1 W76	1B	3+/5	504/II
			SXR	09:10	8.0	BY	012	M6.4		500/I
1022	02	15	Ha	09:50	0.1	4713	S01 W83		2/3	504/II
			SXR	10:16	4.0	BY	012	M2.2		
1023	02	15	SXR	13:04	6.0	4713	012	M1.6	1/3	504/II
1024	02	16	SXR	22:46	10.0	4713	012	C7.0	1/3	504/II
1025	03	02	Ha	20:43	0.3	4717	S00 E56	SN	1+/3	505/II
			SXR	20:43	3.0	D	036	C4.3		
1026	03	03	Ha	05:00	0.2	4717	S00 E52	1N	2/3	505/II
			SXR	05:00	3.0	D	036	C7.5		
1027	03	03	Ha	14:22	0.2D	4717	NO2 E48	1N	1-/3	505/II
			SXR	14:22	3.0	D	036	C7		
1028	03	06	Ha	04:15	0.3	4717	NO0 E09	1N	2/3	505/II
			SXR	04:15	4.0	AP	036	C8		
1029	02	06	Ha	16:37	1.3	4717	NO2 E01	1F	2/3	505/II
			SXR	16:37	5.0	AP	036	C5		505/II

Table 3

Regional distribution of LDE flares in the 20th cycle

No	Sum	X	M6-M9	M1-M5	C	4.5-12.0	2.5-4.0	2.0
1969								
9855	1	1	-	-	-	-	-	1
9861	1	-	-	1	-	-	1	-
9879	1	-	-	1	-	-	1	-
9909	2	-	-	1	1	-	1	1
9911	1	-	-	1	-	-	1	-
9946	6	3	3	-	-	-	3	3
9984	1	-	-	1	-	-	-	1
9966	1	1	-	-	-	-	1	-
9994	7	5	2	-	-	-	5	2
10011	1	-	-	1	-	-	1	-
10014	1	1	-	-	-	-	1	-
10030	1	1	-	-	-	-	1	-
10035	3	1	1	1	-	2	1	-
10057	2	-	1	-	1	-	2	-

Table 3 continued

1969								
10078	1	-	1	-	-	-	1	-
10084	1	-	-	1	-	1	-	-
10088	1	-	-	1	-	-	-	1
10109	1	-	1	-	-	-	1	-
10134	6	2	3	1	-	-	4	2
10135	2	2	-	-	-	-	2	-
10146	1	-	-	1	-	1	-	-
10148	1	-	-	-	1	-	1	-
10166	1	1	-	-	-	-	-	1
10181	1	-	-	-	-	-	-	1
10197	1	-	-	1	-	-	1	-
10232	3	-	-	3	-	-	-	3
10262	2	-	-	-	2	-	2	-
10289	2	-	-	2	-	-	1	1
10304	4	-	1	3	-	-	2	2
10309	1	-	1	-	-	-	-	1
10325	3	-	-	3	-	-	2	1
10333	2	1	-	1	-	1	-	1
10335	2	-	-	2	-	-	-	2
10351	2	-	-	2	-	-	-	2
10385	10	1	2	7	-	1	3	6
10411	1	1	-	-	-	-	-	1
10432	17	10	1	6	-	1	12	4
10459	1	-	-	1	-	-	1	-
10477	3	-	-	3	-	-	3	-
10478	2	-	-	2	-	-	1	1
<hr/>								
40	101	31	18	47	5	7	56	38
	Sum	X	M6-M9	M1-M5	C	4.5-12.0	2.5-4.0	2.0
1970								
10542	7	1	1	5	-	1	3	3
10568	8	4	2	2	-	-	7	1
10571	1	-	-	1	-	-	-	1
10584	2	1	-	1	-	1	1	-
10595	3	-	2	1	-	-	1	2
10607	3	1	2	-	-	1	-	2
10614	3	-	-	3	-	1	1	1
10618	4	-	2	2	-	1	2	1
10638	2	-	1	1	-	-	-	2
10641	5	2	-	3	-	-	4	1
10652	1	-	1	-	-	-	-	1
10654	1	-	-	1	-	-	-	1

Table 3 continued

1970

10669	5	-	1	4	-	-	5	-
10670	3	1	1	1	-	-	2	1
10675	1	-	-	1	-	-	-	1
10684	1	-	1	-	-	-	-	1
10709	1	-	-	-	1	-	-	1
10725	1	-	1	-	-	-	-	1
10740	4	-	2	2	-	-	-	4
10743	2	-	1	1	-	-	-	2
10760	4	-	-	3	1	2	2	-
10774	1	-	-	1	-	-	-	1
10781	8	1	1	2	4	1	4	3
10789	10	4	3	3	-	-	2	8
10798	1	-	-	1	-	-	1	-
10801	1	-	-	1	-	-	-	1
10808	4	2	1	1	-	-	2	2
10812	3	-	-	3	-	-	1	2
10814	1	-	-	1	-	-	-	1
10815	2	-	1	-	1	-	1	1
10832	2	-	-	1	1	-	1	1
10845	14	3	1	7	3	-	7	7
10846	1	-	-	1	-	-	-	1
10847	1	-	-	-	1	-	-	1
10851	2	-	-	2	-	-	1	1
10865	5	-	2	3	-	-	2	3
10868	1	1	-	-	-	-	1	-
10882	4	2	-	2	-	1	3	-
10888	1	-	1	-	-	-	-	1
10913	3	-	-	2	1	-	2	1
10922	2	-	-	2	-	-	1	1
10959	1	-	-	1	-	-	1	-
10964	1	-	-	1	-	-	-	1
10965	1	-	-	1	-	-	-	1
10969	1	-	-	-	1	-	1	-
10971	1	-	-	1	-	-	1	-
10982	1	-	-	-	1	1	-	-
11002	10	1	1	7	1	-	7	3
11019	1	1	-	-	-	1	-	-
11029	7	6	1	-	-	2	5	-
11035	3	1	-	2	-	-	3	-
11060	2	-	-	1	1	-	1	1
11063	1	-	-	1	-	-	1	-
11073	1	-	1	-	-	1	-	-
11077	5	1	1	1	2	-	3	2
11084	2	-	2	-	-	-	-	2

Table 3 continued

1970								
No	Sum	X	M6-M9	M1-M5	C	4.5-12.0	2.5-4.0	2.0
56	167	33	34	80	20	14	80	73
1971								
11111	1	-	1	-	-	-	1	-
11128	2	1	1	-	-	1	1	-
11129	2	-	-	2	-	-	2	-
11181	4	-	-	-	4	-	2	2
11196	2	-	-	-	2	1	1	-
11221	6	-	-	2	4	2	2	2
11233	1	-	-	-	1	-	-	1
11250	1	-	-	1	-	-	1	-
11255	1	-	-	-	1	-	-	1
11256	9	1	1	3	4	-	2	7
11294	5	-	3	2	-	1	2	2
11312	3	-	1	2	-	-	2	1
11313	1	-	-	1	-	1	-	-
11383	1	-	-	-	1	-	-	1
11402	6	-	-	4	2	-	1	5
11415	3	-	-	1	2	-	2	1
11425	1	-	-	1	-	-	-	1
11433	2	-	1	-	1	-	-	2
11438	1	-	-	1	-	-	-	1
11457	2	-	-	-	2	-	-	2
11482	5	-	-	1	4	-	2	3
11496	4	-	-	1	3	-	3	1
11514	3	-	-	-	3	1	1	1
11515	1	-	-	-	1	-	-	1
11516	6	-	-	4	2	-	2	4
11537	3	-	1	1	1	1	1	1
11565	1	-	-	1	-	-	-	1
11581	1	-	-	1	-	-	1	-
11605	1	-	-	-	1	-	1	-
11610	2	-	-	2	-	-	-	2
11619	6	-	1	1	4	2	2	2
11621	1	1	-	-	-	-	1	-
11657	2	-	-	1	1	-	2	-
33	90	3	10	33	44	10	35	45
1972								
11687	1	-	-	1	-	-	-	1
11693	7	-	1	4	2	2	2	3

Table 3 continued

11707	2	-	-	1	1	-	-	2
11709	1	-	-	-	1	-	-	1
11734	9	-	-	4	5	2	2	5
11748	3	1	2	-	-	-	1	2
11751	2	1	-	1	-	-	2	-
11760	1	-	-	1	-	-	-	1
11769	4	-	-	4	-	-	-	4
11781	1	-	-	-	1	-	-	1
11784	1	-	-	-	1	-	-	1
11813	1	-	-	-	1	-	-	1
11827	1	-	-	1	-	-	-	1
11856	1	-	-	-	1	-	1	-
11882	3	-	1	1	1	1	1	1
11883	1	1	-	-	-	1	-	-
11895	9	1	1	4	3	-	5	4
11911	3	-	-	2	1	-	2	1
11922	1	-	1	-	-	-	1	-
11926	2	1	-	1	-	-	1	1
11930	1	-	-	1	-	-	1	-
11933	5	2	-	3	-	-	2	3
11939	2	-	-	1	1	-	-	2
11949	2	-	-	2	-	-	1	1
11957	1	-	-	1	-	-	-	1
11970	1	-	-	-	1	-	1	-
11976	7	4	1	-	2	5	2	-
11985	1	-	-	1	-	-	1	-
11994	1	-	-	1	-	-	1	-
12002	4	-	-	4	-	-	3	1
12005	1	-	-	-	1	-	1	-
12011	2	-	-	-	2	-	1	1
12021	2	-	-	-	2	-	1	1
12022	1	-	-	-	1	-	-	1
12040	1	-	-	-	1	-	-	1
12044	2	-	-	2	-	-	-	2
12086	1	-	-	-	1	-	1	-
12094	2	1	-	1	-	1	-	1
12114	1	-	-	-	1	-	-	1
12115	3	-	-	2	1	-	3	-
12136	4	-	-	4	-	-	4	-
41	99	12	7	48	32	12	41	46
1973								
12160	1	-	-	1	-	1	-	-
12164	2	-	-	1	1	-	-	2

Table 3 continued

12205	2	-	-	1	1	1	-	1	
12211	1	-	-	1	-	-	-	1	
12223	2	-	-	-	2	-	1	1	
12224	1	-	-	1	-	-	-	1	
12228	2	-	-	-	2	-	2	-	
12246	1	-	1	-	-	-	1	-	
12259	2	-	-	1	1	-	-	2	
12261	2	-	-	-	2	-	-	2	
12263	1	-	-	-	1	-	-	1	
12273	1	-	-	1	-	-	-	1	
12298	3	-	-	1	2	-	-	3	
12306	1	-	-	1	-	-	1	-	
12322	7	1	1	2	3	-	2	5	
12323	1	-	-	1	-	-	-	1	
12336	11	2	1	7	1	-	6	5	
12349	1	-	-	1	-	-	1	-	
12352	2	-	-	-	2	-	-	2	
12387	1	-	-	1	-	-	-	1	
12389	1	-	-	-	1	-	1	-	
12397	3	-	1	1	1	-	2	1	
12414	1	-	-	-	1	-	1	-	
12417	5	-	-	2	3	-	1	4	
12460	2	-	-	-	2	1	-	1	
12461	1	-	1	-	-	1	-	-	
12474	1	-	-	1	-	-	-	1	
12497	1	-	-	-	1	-	1	-	
12507	3	1	-	-	2	1	1	1	
12511	1	1	-	-	-	-	-	1	
12512	1	-	-	1	-	-	1	-	
12520	2	-	-	1	1	1	-	1	
12540	2	-	-	-	2	-	2	-	
12547	1	-	-	-	1	-	-	1	
12584	5	1	-	2	2	3	1	1	
12590	1	-	-	1	-	1	-	-	
12592	1	-	-	-	1	-	1	-	
12624	1	-	-	-	1	-	-	1	
12628	2	-	-	-	2	1	1	-	
12664	1	-	-	-	1	-	1	-	
<hr/>									
	40	81	6	5	30	40	11	28	42

1974

12686	3	-	-	2	1	-	2	1
12706	1	-	-	-	1	-	1	-
12708	1	-	-	-	1	-	-	1

Table 3 continued

12742	2	-	-	-	2	-	1	1
12749	2	-	-	1	1	-	-	2
12752	1	-	-	-	1	-	-	1
12848	1	-	-	-	1	-	-	1
12856	2	-	-	1	1	-	2	-
13043	15	11	3	1	-	-	7	8
13095	5	-	-	-	5	-	1	4
13136	1	-	-	-	1	-	1	-
13224	1	-	1	-	-	1	-	-
13225	10	2	1	1	6	8	2	-
13262	1	-	-	-	1	-	1	-
13278	2	-	-	1	1	-	-	2
13280	7	-	1	6	-	-	4	3
13278	2	-	-	1	1	-	-	2
13310	2	1	-	1	-	-	-	2
13324	3	-	1	-	2	1	1	1
13343	1	-	-	-	1	-	1	-
13373	1	-	-	-	1	-	-	1
13383	1	-	-	-	1	-	-	1

21	64	14	7	14	29	10	24	30
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1975

13404	1	-	-	-	1	-	-	1
13786	2	-	-	2	-	-	1	1
13790	1	-	-	-	1	-	-	1
13811	6	-	2	4	-	-	-	6
13840	1	-	-	-	1	-	-	1
13926	2	-	-	-	2	-	-	2
13937	4	-	-	2	2	-	3	1
13964	1	-	-	-	1	-	-	1

8	18	-	2	8	8	-	4	14
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1976

14029	1	-	-	1	-	-	-	1
14127	2	-	-	2	-	-	-	2
14143	5	1	-	2	2	2	3	-
14168	1	-	-	-	1	-	1	-
14179	3	1	-	-	2	1	2	-
14211	1	-	-	-	1	-	-	1
14366	1	-	-	1	-	-	-	1
14403	2	-	-	-	2	-	-	2

Table 3 continued

14429	1	-	-	-	1	-	-	1
14494	1	-	-	-	1	-	-	1
14579	2	-	-	-	2	-	-	2
11	20	2	0	6	12	3	6	11

Table 4

Regional distribution of LDE flares in the 21st cycle

No	Sum	X	M6-M9	M1-M5	C	4.5-12.0	2.5-4.0	2.0
1977								
14579	1	-	-	-	1	-	-	1
14630	1	-	-	-	1	-	-	1
14637	1	-	-	1	-	-	1	-
14674	1	-	-	-	1	-	-	1
14726	6	-	1	2	3	1	1	4
14815	1	-	-	-	1	-	-	1
14822	2	-	-	-	2	1	1	-
14863	1	-	-	-	1	-	1	-
14930	1	-	-	-	1	-	-	1
14941	1	-	-	-	1	-	1	-
14942	1	-	-	1	-	1	-	-
14943	5	3	1	1	-	5	-	-
14952	1	-	-	-	1	-	-	1
14967	2	-	-	-	2	-	-	2
14979	1	-	-	-	1	-	-	1
15031	2	1	-	-	1	-	1	1
15049	1	-	-	-	1	-	-	1
15056	3	-	-	2	1	-	-	3
15074	3	-	-	3	-	-	1	2
15081	1	-	-	1	-	-	1	-
15083	1	-	-	-	1	-	-	1
21	37	4	2	11	20	8	8	21

1978

15081	6	-	-	3	3	-	3	3
15083	1	-	-	1	-	1	-	-
15112	1	-	-	-	1	-	-	1
15139	3	-	1	1	1	2	-	1

Table 4 continued

15172	5	-	-	1	4	2	1	2
15184	1	-	-	-	1	-	1	-
15187	1	-	-	-	1	-	-	1
15221	7	-	1	2	4	1	1	5
15248	1	-	-	-	1	-	1	-
15254	2	-	1	-	1	1	-	1
15255	1	-	-	1	-	-	1	-
15266	16	4	2	9	1	4	7	5
15280	1	-	-	-	1	-	-	1
15314	7	1	1	3	2	3	3	1
15352	1	-	-	-	1	-	1	-
15368	1	-	-	1	-	1	-	-
15375	1	-	-	1	-	1	-	-
15389	2	-	-	-	2	-	2	-
15403	12	3	3	6	-	3	7	2
15443	1	-	-	-	1	-	-	1
15474	1	-	-	-	1	-	1	-
15496	1	-	-	-	1	-	-	1
15508	1	-	-	1	-	1	-	-
15509	1	-	1	-	-	-	-	1
15521	1	-	-	1	-	-	-	1
15525	1	-	-	-	1	-	-	1
15543	4	1	-	3	-	1	-	3
15551	3	-	-	2	1	1	1	1
15564	1	-	-	1	-	-	1	-
15569	1	-	-	1	-	1	-	-
15570	6	-	1	2	3	3	2	1
15582	2	-	1	1	-	-	2	-
15587	4	-	-	-	4	-	-	4
15589	1	-	1	-	-	-	1	-
15591	2	-	-	2	-	1	1	-
15610	1	-	-	-	1	-	1	-
15619	2	-	-	-	2	-	1	1
15620	1	-	-	-	1	-	-	1
15643	2	-	-	1	1	2	-	-
15673	1	-	-	-	1	-	-	1
15682	2	-	-	1	1	-	2	-
15687	3	-	-	1	2	-	-	3
15694	6	3	2	1	-	1	2	3
15696	1	1	-	-	-	1	-	-
15697	6	-	2	2	2	1	3	2
15704	4	-	-	2	2	-	2	2
15733	1	1	-	-	-	-	1	-
15746	1	-	1	-	-	-	1	-

Table 4 continued

1978

	48	132	14	18	51	49	32	50	50	
				1979						
15748	2	-	-	-	2	-	-	1	1	
15754	4	-	-	1	2	1	-	1	3	
15786	1	-	-	-	-	1	-	-	1	
15830	2	-	-	-	1	1	1	-	1	
15849	1	-	-	-	1	-	-	1	-	
15856	1	-	-	1	-	-	-	-	1	
15863	2	-	-	-	1	1	1	1	-	
15865	1	-	-	-	-	1	-	1	-	
15874	2	-	-	1	-	1	-	1	1	
15877	2	-	-	-	-	2	-	-	2	
15880	1	-	-	-	-	1	-	-	1	
15887	15	1	1	4	8	2	1	7	7	
15914	2	-	-	-	1	1	-	2	-	
15918	9	-	-	-	3	6	1	-	8	
15933	1	-	-	-	1	-	-	-	1	
15937	1	-	-	-	1	-	-	-	1	
15940	1	-	-	-	-	1	-	-	1	
15942	2	-	-	-	-	2	-	1	1	
15948	1	-	-	-	-	1	-	-	1	
15967	6	1	1	1	2	2	-	5	1	
15974	7	-	-	-	-	7	-	3	4	
15990	2	-	-	-	-	2	-	1	1	
15996	1	-	-	-	-	1	-	-	1	
15999	1	-	-	-	1	-	-	-	1	
16012	2	-	-	-	1	1	-	-	2	
16030	3	-	-	-	2	1	1	1	1	
16051	9	2	2	1	3	3	2	4	3	
16052	1	-	-	-	-	1	-	-	1	
16067	2	-	-	-	1	1	-	-	2	
16073	2	-	-	-	-	2	-	1	1	
16086	1	-	-	-	1	-	-	1	-	
16093	1	-	-	-	-	1	-	1	-	
16122	3	-	-	-	2	1	1	2	-	
16124	2	-	-	-	2	-	-	1	1	
16156	1	-	-	-	1	-	-	1	-	
16161	1	-	-	-	-	1	-	1	-	
16164	1	-	-	-	1	-	-	-	1	
16171	3	-	-	-	1	2	1	2	-	
16208	4	-	-	-	1	3	1	1	2	
16224	3	-	-	-	2	1	1	2	-	

Table 4 continued

16231	2	-	-	-	2	-	1	1
16239	7	2	1	2	2	4	2	1
16252	1	-	-	-	1	-	1	-
16267	1	-	-	1	-	-	-	1
16269	1	-	-	-	1	-	1	-
16275	2	-	-	1	1	-	-	2
16279	6	1	-	3	2	1	-	5
16298	6	3	-	2	1	-	1	5
16315	1	-	-	-	1	-	1	-
16324	1	-	-	1	-	-	-	1
16336	2	-	-	-	2	-	2	-
16341	1	-	-	-	1	-	-	1
16344	4	-	2	2	-	-	4	-
16346	1	-	-	-	1	-	1	-
16357	1	-	-	1	-	-	1	-
16363	1	-	-	-	1	-	-	1
16366	1	-	-	-	1	-	-	1
16367	1	-	-	-	1	-	-	1
16373	5	-	2	2	1	-	5	-
16374	1	-	-	-	1	-	-	1
16384	1	-	-	-	1	-	-	1
16386	1	-	-	1	-	-	-	1
16398	1	-	-	-	1	-	-	1
16401	1	-	-	1	-	-	1	-
16406	1	-	-	1	-	-	1	-
16412	1	-	-	1	-	-	1	-
16413	6	-	-	5	1	1	4	1
16414	1	-	-	1	-	1	-	-
16419	4	-	-	3	1	2	2	-
16421	2	-	-	2	-	-	-	2
16422	1	-	-	-	1	-	1	-
16425	3	-	-	2	1	-	1	2
16426	1	-	-	1	-	-	1	-
16433	1	-	-	-	1	-	-	1
16467	1	-	-	1	-	-	1	-
16476	1	-	-	1	-	-	1	-
16507	1	-	-	-	1	-	1	-
16522	1	-	-	-	1	-	-	1
16529	4	1	1	1	1	-	3	1

79	186	11	15	78	82	20	81	85
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1980

16558	1	-	-	1	-	-	-	1
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Table 4 continued

16566	2	-	-	1	1	-	2	-
16572	1	-	-	1	-	-	1	-
16577	7	-	4	1	2	1	4	2
16580	3	-	-	2	1	-	-	3
16598	2	-	-	1	1	-	2	-
16601	2	-	-	1	1	-	2	-
16602	3	1	-	-	2	-	1	2
16604	3	-	-	1	2	-	1	2
16611	1	-	-	1	-	1	-	-
16625	2	-	-	2	-	-	-	2
16626	1	-	-	1	-	-	1	-
16627	3	1	-	1	1	-	2	1
16639	2	-	-	-	2	-	1	1
16640	1	-	-	-	1	-	-	1
16644	2	-	-	2	-	-	1	1
16655	3	-	-	1	2	-	-	3
16673	1	-	-	1	-	-	-	1
16674	1	-	-	-	1	-	1	-
16676	1	-	-	1	-	-	1	-
16727	1	-	-	1	-	-	-	1
16729	1	-	-	-	1	-	1	-
16733	1	-	-	1	-	-	-	1
16737	1	-	-	1	-	-	-	1
16740	4	-	-	4	-	3	-	1
16742	1	-	-	1	-	-	-	1
16747	6	-	1	5	-	-	2	4
16752	1	-	-	-	1	-	1	-
16759	1	-	-	1	-	-	-	1
16761	1	-	-	1	-	-	-	1
16763	3	-	-	-	3	-	1	2
16771	1	-	-	-	1	-	-	1
16772	3	-	1	-	2	-	2	1
16785	1	-	-	1	-	-	-	1
16788	2	-	-	-	2	-	1	1
16789	2	-	-	2	-	-	1	1
16802	1	-	-	-	1	-	-	1
16803	1	-	-	-	1	-	-	1
16815	2	1	-	1	-	1	-	1
16839	1	-	-	-	1	-	1	-
16846	1	-	-	1	-	-	-	1
16850	3	-	1	2	-	1	1	1
16851	3	-	1	2	-	1	1	1
16852	1	-	-	-	1	-	1	-
16859	1	-	-	1	-	-	1	-
16863	2	-	1	1	-	-	-	2

Table 4 continued

16864	2	-	1	1	-	1	-	1	
16867	2	-	-	-	2	-	1	1	
16881	1	-	-	1	-	-	1	-	
16884	9	-	-	6	3	2	3	4	
16911	4	-	-	3	1	-	3	1	
16918	4	-	-	3	1	2	2	-	
16923	3	-	-	3	-	-	1	2	
16931	1	-	-	1	-	-	-	1	
16943	1	-	1	-	-	-	1	-	
16955	5	-	1	3	1	1	2	2	
16974	1	-	-	-	1	-	-	1	
16978	6	-	1	5	-	-	2	4	
16992	5	-	1	1	3	-	3	2	
17044	2	-	-	1	1	-	1	1	
17053	1	-	-	-	1	-	1	-	
17060	3	-	-	2	1	-	2	1	
17062	3	-	-	-	3	-	1	2	
17089	1	-	1	-	-	-	-	1	
17098	1	-	1	-	-	1	-	-	
17100	1	-	-	1	-	-	1	-	
17127	1	-	-	-	1	-	1	-	
17146	2	-	-	1	1	-	1	1	
17167	1	-	-	-	1	-	1	-	
17173	2	-	-	1	1	-	1	1	
17174	1	-	-	1	-	-	1	-	
17181	1	-	-	-	1	-	1	-	
17187	2	-	1	-	1	-	1	1	
17188	2	1	1	-	-	1	1	-	
17204	1	-	-	1	-	-	1	-	
17212	1	-	-	-	1	1	-	-	
17214	1	-	-	1	-	-	-	1	
17236	1	-	-	-	1	-	-	1	
17244	5	2	2	1	-	-	1	4	
17246	2	-	-	2	-	-	1	1	
17255	12	3	3	5	1	4	5	3	
17266	1	-	-	1	-	-	-	1	
17281	5	-	-	3	2	-	4	1	
17304	1	-	-	1	-	1	-	-	
17314	1	-	-	-	1	1	-	-	
17331	5	-	-	5	-	1	1	3	
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	86	192	9	23	98	62	24	80	88

Table 4 continued

1981

17364	1	-	-	-	1	-	1	-
17379	1	-	-	1	-	-	-	1
17386	1	-	-	-	1	-	1	-
17428	3	-	2	1	-	1	1	1
17436	1	-	-	1	-	-	1	-
17438	1	-	-	1	-	-	-	1
17454	2	-	-	2	-	-	-	2
17461	3	-	-	3	-	-	1	2
17463	1	-	-	1	-	-	-	1
17479	1	-	-	-	1	-	1	-
17481	1	-	-	1	-	1	-	-
17491	5	2	1	2	-	1	3	1
17495	1	-	-	-	1	-	-	1
17497	1	-	-	-	1	-	1	-
17500	1	-	-	-	1	-	1	-
17501	1	-	-	-	1	-	1	-
17512	2	-	-	1	1	-	2	-
17519	1	-	-	1	-	-	1	-
17523	1	-	-	-	1	-	-	1
17528	1	-	1	-	-	-	1	-
17535	2	-	-	1	1	1	1	-
17539	4	-	1	2	1	2	-	2
17554	1	-	-	-	1	-	-	1
17555	1	-	-	1	-	1	-	-
17568	2	1	1	-	-	2	-	-
17569	4	-	1	1	2	-	2	2
17576	3	-	2	1	-	-	3	-
17581	4	-	1	3	-	-	3	1
17585	1	-	1	-	-	-	1	-
17589	1	-	-	1	-	1	-	-
17590	8	3	1	2	2	5	3	-
17609	1	-	-	1	-	-	-	1
17619	1	-	1	-	-	1	-	-
17620	3	-	2	1	-	-	2	1
17638	2	-	1	1	-	2	-	-
17644	5	1	1	2	1	2	3	-
17653	1	-	-	-	1	1	-	-
17675	1	-	-	-	1	1	-	-
17685	1	-	-	-	1	-	1	-
17691	1	-	-	-	1	1	-	-
17692	1	-	-	-	1	1	-	-
17705	1	-	-	1	-	-	1	-
17710	2	-	-	1	1	-	2	-

Table 4 continued

17713	3	-	-	3	-	-	1	2
17736	1	1	-	-	-	1	-	-
17737	3	-	-	2	1	-	2	1
17748	4	-	-	1	3	2	2	-
17751	4	1	-	3	-	2	2	-
17760	2	-	1	1	-	-	2	-
17777	5	-	1	3	1	-	4	1
17778	1	-	-	1	-	-	1	-
17796	2	-	-	2	-	-	1	1
17805	1	-	-	1	-	-	1	-
17806	1	-	-	1	-	-	1	-
17824	1	-	-	1	-	-	1	-
17830	2	1	-	1	-	-	1	1
17833	2	-	1	1	-	-	2	-
17842	1	-	-	1	-	-	1	-
17853	1	-	-	1	-	-	-	1
17863	1	-	-	-	1	-	-	1
17876	2	-	-	2	-	-	-	2
17889	1	-	-	1	-	-	-	1
17906	6	2	-	1	3	3	2	1
17923	1	-	-	-	1	-	1	-
17926	2	1	-	1	-	-	2	-
17936	2	-	-	-	2	-	2	-
17963	1	-	-	1	-	-	-	1
17969	1	-	-	1	-	-	-	1
17989	2	-	-	1	1	1	1	-
17992	2	-	-	1	1	-	2	-
18017	1	-	-	-	1	1	-	-
18023	1	-	-	-	1	-	1	-
18027	1	-	-	-	1	-	1	-
18035	1	-	-	1	-	1	-	-
18055	1	-	-	1	-	-	-	1
18074	3	-	-	2	1	-	3	-
18093	1	-	-	-	1	1	-	-
18106	1	-	-	1	-	1	-	-
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88	146	13	20	71	42	37	75	34
1982								
18090	2	-	-	2	-	-	-	2
18113	1	-	-	1	-	-	-	1
18122	1	-	-	1	-	-	1	-
18123	1	-	-	1	-	-	1	-
18158	1	-	-	-	1	-	1	-
18171	1	-	-	1	-	-	1	-

Table 4 continued

18175	1	1	-	-	-	1	-	-
18176	7	-	1	6	-	-	2	5
18186	1	-	-	1	-	-	-	1
18188	1	-	-	1	-	-	1	-
18204	1	-	-	1	-	-	-	1
18216	4	-	-	3	1	-	1	3
18225	1	-	-	-	1	-	1	-
18240	2	1	1	-	-	1	1	-
18264	3	-	-	3	-	-	1	2
18266	1	-	-	1	-	-	1	-
18280	6	1	1	1	3	1	3	2
18290	1	-	-	1	-	1	-	-
18298	1	-	-	-	1	-	1	-
18310	1	-	-	1	-	-	1	-
18331	1	-	-	1	-	1	-	-
18356	1	-	-	-	1	-	-	1
18382	1	-	-	1	-	-	1	-
18383	7	-	-	3	4	-	5	2
18394	1	-	-	-	1	-	1	-
18396	1	-	-	1	-	-	-	1
18398	2	-	-	1	1	1	1	-
18405	10	2	4	3	1	3	6	1
18422	7	5	1	1	-	-	5	2
18430	9	2	1	6	-	-	6	3
18431	1	-	1	-	-	1	-	-
3802	1	-	-	-	1	-	-	1
3804	3	1	1	-	1	1	-	2
18472	1	-	-	-	1	-	1	-
18474	15	2	1	12	-	6	4	5
18480	1	-	-	-	1	-	-	1
18485	1	-	-	-	1	-	1	-
18492	3	-	-	1	2	-	2	1
18511	3	-	-	3	-	-	2	1
18519	1	-	-	1	-	-	-	1
18532	1	-	-	-	1	-	1	-
3885	2	-	1	1	-	-	1	1
3886	3	-	2	1	-	1	-	2
3895	3	-	-	-	3	-	2	1
3907	1	-	-	-	1	1	-	-
3917	1	-	-	-	1	-	1	-
3955	1	-	-	1	-	-	1	-
3960	3	-	-	2	1	1	1	1
3966	1	-	-	-	1	-	-	1
3987	15	1	1	11	2	1	12	2
3994	5	1	-	2	2	3	-	2

Table 4 continued

3995	2	-	-	2	-	-	2	-
4012	1	-	-	1	-	1	-	-
4014	4	1	1	2	-	2	-	2
4022	4	-	2	2	-	2	-	2
4025	3	2	-	1	-	-	3	-
4026	6	2	1	3	-	2	1	3
4028	1	-	-	-	1	-	1	-
4033	4	1	1	-	2	-	2	2
4042	1	1	-	-	-	1	-	-
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60	170	24	21	88	37	32	80	58
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1983								
4047	1	-	-	-	1	-	-	1
4053	1	-	-	-	1	-	1	-
4075	1	-	-	1	-	-	-	1
4077	2	1	-	-	1	2	-	-
4094	1	-	-	-	1	-	1	-
4098	1	-	-	1	-	-	1	-
4142	1	-	-	-	1	-	1	-
4148	1	-	-	-	1	-	1	-
4150	1	-	1	-	-	1	-	-
4156	2	-	-	2	-	-	2	-
4157	1	-	-	-	1	-	-	1
4171	3	1	-	2	-	1	2	-
4173	4	1	-	2	1	1	1	2
4324	1	-	-	1	-	-	1	-
4328	2	-	-	1	1	-	1	1
4331	1	-	-	-	1	-	1	-
4335	5	-	-	1	4	-	3	2
4353	2	-	-	2	-	-	2	-
4370	1	-	-	-	1	-	1	-
4372	1	-	-	1	-	-	-	1
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20	33	3	1	14	15	5	19	9
<hr/>								
1984								
4393	3	-	-	1	2	-	2	1
4398	3	-	-	2	1	1	-	2
4399	1	-	-	-	1	-	-	1
4403	1	-	-	-	1	1	-	-
4408	1	-	-	1	-	-	-	1
4410	1	-	-	-	1	-	1	-
4413	1	-	-	-	1	-	1	-
4421	6	1	-	2	3	1	3	2

Table 4 continued

4422	1	-	-	-	1	-	1	-
4423	3	-	-	3	-	1	2	-
4433	2	-	-	2	-	1	1	-
4443	1	-	-	1	-	-	-	1
4455	3	-	-	2	1	-	1	2
4458	2	-	-	-	2	-	1	1
4460	1	-	-	-	1	-	-	1
4469	1	-	-	-	1	-	-	1
4471	1	-	-	1	-	-	1	-
4474	12	3	-	6	3	6	3	3
4476	2	-	-	2	-	1	1	-
4481	1	-	-	-	1	1	-	-
4492	5	2	1	2	-	1	4	-
4500	1	-	-	-	1	-	-	1
4507	1	-	-	-	1	-	-	1
4513	1	-	-	-	1	-	-	1
4532	1	-	-	1	-	-	1	-
4537	1	-	-	-	1	-	-	1
4567	1	-	-	-	1	-	-	1
4592	4	-	-	2	2	-	3	1
4609	1	-	-	-	1	-	-	1
29	63	6	1	28	28	14	26	23
1985								
4616	1	-	-	-	1	-	1	-
4617	6	1	-	3	2	1	5	-
4637	2	-	-	-	2	-	2	-
4647	7	2	-	-	5	3	2	2
4652	1	-	-	-	1	-	-	1
4671	4	-	-	2	2	2	1	1
4694	2	-	-	-	2	-	-	2
4698	1	-	-	1	-	-	1	-
4708	1	-	-	-	1	-	-	1
9	25	3	0	6	16	6	12	7
1986								
4710	4	-	1	2	1	-	4	-
4711	5	2	-	2	1	1	2	2
4713	9	-	2	4	3	4	3	2
4717	5	-	-	-	5	1	4	-

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