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NUMBER 575

(Issued in Two Parts)

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Hα SOLAR FLARES

JANUARY 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001		01	00069	00171	0047	S16	W48	6985	12	28.5	41	SF					36		
	LEAR	01	0006	0018	0047	S15	W48	6985	12	28.5	41	SF		3	E		50		
	PALE	01	0015	0017	0128D	S17	W47	6985	12	28.5	73D	SF		3	E		21		
0002	YUNN	01	0248E	0248U	0300	S13	W89		12	25.5	12D	SN			P	0248	49		A
0003		01	0253*	0254*	0343	S12	W18	6992	12	30.9	50	1N	M 1.2				276	3.3	DEFIJ
	VORO	01	0253	0254	0300D	S12	W18	6992	12	30.9	7D	SF		1	C	0258	179	2.0	DIJ
	YUNN	01	0253	0314	0345	S11	W17	6992	12	30.9	52	1N			C		439	4.8	
	MITK	01	0254	0315	0352	S12	W18	6992	12	30.9	58	2B			C	0315	470	5.2	E
	PEKG	01	0258	0310	0341	S11	W19	6992	12	30.8	43	1B			C	0310	336	3.7	E
	LEAR	01	0303	0314	0354	S12	W18	6992	12	30.9	51	1N	M 1.2	3	E		180		FE
	WATU	01	0311E	0311	0322	S15	W18	6992	12	30.9	11D	SF			P	0311	50	0.6	E
0004		01	03236	03305	0344	S16	W48	6985	12	28.6	21	1N	M 2.8				202	3.8	DEF
	LEAR	01	0323	0331	0351	S18	W47	6985	12	28.7	28	SN	M 2.8	3	E		67		FE
	PEKG	01	0328	0335	0341	S14	W48	6985	12	28.6	13	SB			P	0335	105	1.7	D
	YUNN	01	0328	0335	0345	S16	W46	6985	12	28.7	17	2N			C		504	7.6	F
	MITK	01	0329	0330	0340	S15	W51	6985	12	28.4	11	1N			C	0330	130	2.2	E
0005	WATU	01	0332E		0336	S16	W18	6988	12	30.9	4D	SF			P	0332	90	1.0	E
0006		01	03423	03468	0408	S12	E69	6993	01	6.3	26	1N	M 5.8				185		CEF
	YUNN	01	0342	0347	0402	S12	E69	6993	01	6.3	20	1N			C		228		
	LEAR	01	0342	0354	0429	S11	E67	6993	01	6.2	47	1F	M 5.8	3	E		120		FE
	MITK	01	0344	0346	0400	S12	E70	6993	01	6.4	16	1N			C	0346	140		E
	PEKG	01	0345	0347	0403	S12	E70	6993	01	6.4	18	2B			C	0347	252		C
0007		01	08559	09101	0941	S12	W24	6992	12	30.7	46	SN	C 7.8				133	2.0	E
	HTPR	01	0855	0910	1000	S12	W27	6992	12	30.4	65	1B			C	0910	200	2.0	E
	KANZ	01	0902	0910	0934	S12	W22	6992	12	30.8	32	SN		2	C				
	LEAR	01	0904	0911	0929	S12	W22	6992	12	30.8	25	SF	C 7.8	3	E		66		
0008		01	09291	09331	0944	S11	E62	6993	01	6.0	15	1F					106		
	HTPR	01	0929	0933	0945	S12	E63	6993	01	6.1	16	SF			C	0933	80		
	LEAR	01	0930	0933	0942	S11	E61	6993	01	6.0	12	1F		3	E		131		
	KANZ	01	0930	0934	0946	S11	E63	6993	01	6.1	16	1F		2	C				
0009	HTPR	01	1000		1010	S06	W90		12	25.8	10	SN			C				
0010	SVTO	01	1028	1029	1033	S14	W24	6988	12	30.7	5	SF		3	E		29		
0011		01	11184	11265	1157	S11	E64	6993	01	6.3	39	1N	M 3.3				170		EF
	SVTO	01	1118	1131	1159	S09	E64	6993	01	6.3	41	1N	M 3.3	3	E		182		F
	HTPR	01	1120	1128	1155	S12	E62	6993	01	6.1	35	1B			C	1128	250		E
	KANZ	01	1122	1126	1158	S11	E65	6993	01	6.4	36	1F		2	C				
	RAMY	01	1137E	1137U	1157	S13	E64	6993	01	6.3	20D	SF		1	E		78		F
0012		01	11451	11586	1213	S14	E73	6994	01	7.0	28	SF					27		
	SVTO	01	1145	1204	1213	S14	E71	6994	01	6.8	28	SF		3	E		27		
	KANZ	01	1146	1158	1211D	S15	E75	6994	01	7.2	25D	SF		2	C				
0013		01	12002	12002	1212	S12	E41	6991	01	4.6	12	SF					31		
	SVTO	01	1200	1200	1212	S11	E41	6991	01	4.6	12	SF		3	E		31		
	KANZ	01	1202	1202	1211D	S13	E41	6991	01	4.6	9D	SF		2	C				
0014		01	12437	12541	1310	S16	E70	6994	01	6.8	27	SF	C 7.0				72		EF
	RAMY	01	1243	1254	1314	S16	E73	6994	01	7.1	31	SF	C 7.0	4	E		83		F
	SVTO	01	1246	1255	1316	S14	E74	6994	01	7.1	30	SF		3	E		33		
	HTPR	01	1250	1254	1301	S18	E63	6994	01	6.3	11	SF			C	1254	100		E
0015	KANZ	01	1326	1330	1334	S20	W33	6988	12	30.1	8	SF		2	C				
0016	HOLL	01	1549E	1549U	1556	S14	W49	6985	12	29.0	7D	SF	C 2.6	2	E		29		
0017		01	16232	16251	1636	S18	W30	6988	12	30.5	13	SF					36		F
	HOLL	01	1623	1625	1636	S20	W29	6988	12	30.6	13	SF		3	E		56		
	RAMY	01	1625	1626	1635	S16	W32	6988	12	30.3	10	SF		3	E		17		F

Hα SOLAR FLARES

JANUARY 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0018	HOLL	01	1733	1743	1756	S16	W57	6985	12	28.5	23	SF		3	E		20		
0019	HOLL	01	1747	1749	1759	S12	E64	6994	01	6.6	12	SF		3	E		21		
0020	HOLL	01	1941	1946	1958	S15	W56	6985	12	28.7	17	SF		3	E		20		F
0021		01	1958*	20321	2053	S16	W58	6985	12	28.5	55	SF	M 5.1				94		EFH
	HOLL	01	1958	2033	2124D	S16	W58	6985	12	28.5	86D	1N	M 5.1	3	E		181		EH
	PALE	01	2032	2032	2043	S16	W58	6985	12	28.5	11	SF		3	E		62		FH
	PALE	01	2054E	2054U	2103	S17	W58	6985	12	28.6	9D	SF		3	E		38		
0022		01	2011*	2023	2044	S12	W26	6992	12	31.0	33	2N	M 2.4				308		FH
	HOLL	01	2011	2023	2050	S12	W26	6992	12	31.0	39	2B	M 2.4	3	E		384		F
	PALE	01	2021	2023	2038	S11	W27	6992	12	30.9	17	1F		3	E		232		FH
0023	HOLL	01	2140	2149	2201	S11	E34	6991	01	4.5	21	SF		3	E		22		
0024	HOLL	01	2222	2240	2258	S13	E33	6991	01	4.4	36	SF		3	E		23		F
		01	2341		2349	No Flare Patrol													
0025	VORO	02	0139	0142	0147	S09	E55	6993	01	6.2	8	SF		1	C	0142	81	1.4	DIJT
0026	VORO	02	0143	0144	0158	S09	E36	6991	01	4.8	15	SF		1	C	0144	90	1.1	DIJT
0027	VORO	02	0225	0226	0229	S12	W33	6992	12	30.7	4	SF		1	C	0226	72	0.9	DIJT
0028		02	03586	04064	0426	S16	W34	6988	12	30.7	28	SF	C 4.9				66	0.7	F
	LEAR	02	0358	0410	0437	S16	W37	6988	12	30.4	39	SF	C 4.9	3	E		71		F
	WATU	02	0404	0406	0414	S15	W32	6988	12	30.8	10	SF			C	0406	60	0.7	
0029	LEAR	02	0414	0415	0428	S15	E59	6994	01	6.6	14	SF		3	E		43		F
0030		02	06437	0657	0707	S16	W66	6985	12	28.4	24	1N	C 6.6				125		EH
	LEAR	02	0643	0657	0713	S17	W66	6985	12	28.4	30	1N	C 6.6	3	E		201		EH
	YUNN	02	0650	0654U	0701	S16	W65	6985	12	28.4	11	SN			P	0654	49		
0031	LEAR	02	0656	0702	0714	S16	W39	6988	12	30.4	18	SF		3	E		43		
0032		02	0657*	07086	0728	S09	E52	6993	01	6.2	31	SF	C 8.4				56	0.8	F
	LEAR	02	0657	0708	0735	S10	E52	6993	01	6.2	38	SF	C 8.4	3	E		63		F
	SVTO	02	0709E	0710	0722	S08	E52	6993	01	6.2	13D	SF		1	E		57		F
	YUNN	02	0710	0714	0727	S10	E52	6993	01	6.2	17	SF			C		49	0.8	
0033	YUNN	02	0714E	0714U	0717	S13	E57	6994	01	6.6	3D	SN			P	0714	33	0.6	
0034		02	07492	0803*	0836	S20	W58	6985	12	29.0	47	SF					20		
	SVTO	02	0749	0803	0810	S23	W56	6985	12	29.1	21	SF		3	E		11		
	LEAR	02	0751	0831	0903	S17	W59	6985	12	28.9	72	SF		3	E		28		
0035		02	0753*	0827	0846	S09	E52	6993	01	6.2	53	SF					48		
	LEAR	02	0753	0827	0849	S09	E50	6993	01	6.1	56	SF		3	E		56		
	SVTO	02	0826	0827	0843	S09	E53	6993	01	6.3	17	SF		3	E		41		
0036		02	08441	08522	0910	S10	E31	6991	01	4.7	26	SF	C 3.7				42	1.0	F
	SVTO	02	0844	0852	0910	S09	E34	6991	01	4.9	26	SF	C 3.7	3	E		22		F
	HTPR	02	0844	0854	0915	S10	E30	6991	01	4.6	31	SF			C	0854	80	1.0	
	LEAR	02	0845	0852	0905	S11	E28	6991	01	4.5	20	SF		3	E		25		
0037	SVTO	02	0908	0908	0912	S14	E62	6994	01	7.1	4	SF		3	E		18		
0038	HTPR	02	1006	1010	1015	S21	W57	6985	12	29.1	9	1F			C	1010	130		
0039		02	1009	10153	1057	S19	W40	6988	12	30.5	48	SF	C 4.8				87	1.2	EF
	HTPR	02	1009	1015	1050	S18	W40	6988	12	30.5	41	SF			C	1015	90	1.2	E
	SVTO	02	1012E	1018	1104	S20	W40	6988	12	30.5	52D	SF	C 4.8	3	E		84		F
0040		02	10541	10552	1106	S09	E52	6993	01	6.3	12	SF					61	1.7	
	SVTO	02	1054	1055	1107	S08	E53	6993	01	6.4	13	SF		3	E		22		
	HTPR	02	1055	1057	1105	S10	E50	6993	01	6.2	10	SF			C	1057	100	1.7	

Hα SOLAR FLARES

JANUARY 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0041		02	12164	12208	1302	S17	E59	6994	01	7.0	46	SN	M 1.8				117		EF
	KANZ	02	1216	1220	1300	S16	E61	6994	01	7.1	44	SF		2	C				
	HTPR	02	1216	1225	1300	S18	E58	6994	01	6.9	44	1B			C	1225	150		E
	RAMY	02	1220	1228	1307	S17	E58	6994	01	6.9	47	SF	M 1.8	3	E		84		F
0042		02	14254	1430	1516	S15	W44	6988	12	30.4	51	1N	C 6.7				174	4.2	EF
	HTPR	02	1425	1430	1515	S15	W45	6988	12	30.3	50	1N			C	1430	300	4.2	E
	RAMY	02	1429	1430	1516	S15	W43	6988	12	30.4	47	SF	C 6.7	3	E		49		F
0043	HOLL	02	1644	1651	1704	S11	W38	6992	12	30.9	20	SF	C 2.7	3	E		43		F
0044	HOLL	02	1749	1752	1804	S11	E55	6993	01	6.9	15	SF	C 3.9	3	E		45		F
0045	HOLL	02	1749	1801	1814	S12	E27	6991	01	4.8	25	SF		3	E		34		F
0046	HOLL	02	1754	1757	1814	S18	W65	6985	12	28.9	20	SF		3	E		58		
0047	HOLL	02	1831	1842	1905	S19	W52	6988	12	29.9	34	SF	C 4.3	3	E		38		F
0048	HOLL	02	1922	1928	1934	S17	W65	6985	12	29.0	12	SF	C 5.0	3	E		48		
0049	HOLL	02	1943	1949	2021	S09	E48	6993	01	6.4	38	SF		3	E		28		
0050		02	2104	2107	2230D	S14	E54	6994	01	6.9	86D	SN	C 9.3				44		EF
	HOLL	02	2104	2107	2230D	S15	E53	6994	01	6.9	86D	SN	C 9.3	3	E		55		FE
	PALE	02	2107E	2111U	2147D	S14	E56	6994	01	7.1	40D	SN		3	E		32		FE
		02	2132		2223	No Flare Patrol													
0051	PALE	02	2142E	2142U	2230	S08	E50	6993	01	6.6	48D	SN	M 1.9	3	E		43		F
0052		03	01549	01549	0210	S12	W43	6992	12	30.9	16	SF					30	0.4	D
	PALE	03	0154	0154	0212	S11	W43	6992	12	30.9	18	SF		3	E		30		
	WATU	03	0203	0203	0209	S12	W43	6992	12	30.9	6	SF			C	0204	30	0.4	D
0053		03	0425*	0502	0531	S10	E41	6993	01	6.3	66	SN	C 7.1				60	0.7	EF
	LEAR	03	0425	0502	0536	S12	E41	6993	01	6.3	71	SN	C 7.1	3	E		71		FE
	MITK	03	0459	0502	0537	S10	E40	6993	01	6.2	38	SN			C	0502			E
	URUM	03	0502E	0502U	0519	S09	E42	6993	01	6.4	17D	SN			C		48	0.7	E
0054	WATU	03	0513E		0516	S15	E45	6994	01	6.6	3D	SF			P	0513	120	1.8	E
0055		03	05389	05505	0613	S17	E45	6994	01	6.6	35	1N	C 8.0				169	2.3	E
	LEAR	03	0538	0549U	0549D	S18	E45	6994	01	6.7	11D	1N	C 8.0	3	E		207		
	URUM	03	0545E	0549U	0615	S18	E44	6994	01	6.6	30D	SN			C		64	0.9	E
	PEKG	03	0546	0550	0608	S17	E46	6994	01	6.7	22	1N			P	0550	210	3.1	E
	YUNN	03	0547	0555	0616	S16	E45	6994	01	6.6	29	1N			C		195	2.9	
0056		03	05472	05522	0600	S12	W48	6992	12	30.7	13	SN					32	0.5	E
	YUNN	03	0547	0554	0600	S12	W49	6992	12	30.6	13	SN			C		33	0.5	
	URUM	03	0549	0552	0600	S12	W46	6992	12	30.9	11	SF			C		32	0.5	E
0057		03	08033	08042	0812	S12	W47	6992	12	30.9	9	SF					11		D
	SVTO	03	0803	0804	0812	S13	W47	6992	12	30.9	9	SF		3	E		11		
	ISTA	03	0804		0810	S11	W48	6992	12	30.8	6	SF			P				D
	KANZ	03	0806	0806	0814	S13	W47	6992	12	30.9	8	SF		2	C				
0058		03	0824*	08343	0850	S10	E40	6993	01	6.3	26	SF	C 4.4				41		EF
	SVTO	03	0824	0835	0919	S09	E39	6993	01	6.3	55	SF	C 4.4	3	E		51		F
	ISTA	03	0833		0838	S11	E41	6993	01	6.4	5	1N			P				E
	KANZ	03	0834	0834	0842	S10	E38	6993	01	6.2	8	SF		2	C				
	LEAR	03	0835	0837	0843	S11	E40	6993	01	6.4	8	SF		3	E		31		F
0059		03	0826	0826	0830	S12	W48	6992	12	30.8	4	SF					100		E
	KANZ	03	0826	0826	0830	S12	W47	6992	12	30.9	4	SF		2	C				
	HTPR	03	0828E		0830D	S11	W48	6992	12	30.8	2D	SF			C	0829	100		E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0060		03	0853*	0858*	0954	S17	E44	6994	01	6.7	61	1N	M 3.6				158	2.4	EFKZ
	LEAR	03	0853	0940	1020	S19	E44	6994	01	6.7	87	1N	M 3.6	3	E		162		FE
	SVTO	03	0853	0942	1031D	S15	E45	6994	01	6.8	98D	1N		3	E		123		F
	KANZ	03	0854	0858	0906	S17	E44	6994	01	6.7	12	SN		2	C				
	ISTA	03	0855		1004	S17	E46	6994	01	6.9	69	2B			P				K
	KAND	03	0855	0938	0958	S16	E44	6994	01	6.7	63	1N			P	0938	208	2.9	EZ
	ONDR	03	0900U	0923U	0955	S17	E45	6994	01	6.8	55U	1N			P	0923	145	2.2	E
	HTPR	03	0906E		0922D	S18	E43	6994	01	6.6	16D	1N			C	0915	150	2.1	
	KANZ	03	0922	0941	0958	S17	E44	6994	01	6.7	36	1N		2	C				
0061	KAND	03	0905	0910	0920	S12	W49	6992	12	30.8	15	SF			P	0910	62	1.0	D
0062	HTPR	03	0906E		0922D	S10	E40	6993	01	6.4	16D	1N			C	0915	200	2.6	E
0063		03	1010*	1012*	1056	S10	E39	6993	01	6.3	46	SN					156	2.0	DEZ
	KAND	03	1010	1012	1025	S10	E39	6993	01	6.3	15	SN			P	1012	62	0.8	D
	KANZ	03	1043	1047	1103	S11	E39	6993	01	6.4	20	SF		2	C				
	KAND	03	1043	1047	1121	S09	E39	6993	01	6.4	38	1B			P	1047	249	3.3	EZ
0064		03	1323	1327*	1359	S12	E37	6993	01	6.3	36	SF	C 4.2				34		FK
	KANZ	03	1323	1327	1335	S11	E37	6993	01	6.3	12	SF		2	C				
	RAMY	03	1323	1327	1411	S12	E37	6993	01	6.3	48	SF			E		36		K
	RAMY	03	1323	1344	1411	S12	E37	6993	01	6.3	48	SF	C 4.2	3	E		33		F
0065		03	1625	1714	1815	S10	E34	6993	01	6.2	110	SF	M 1.3				52		F
	RAMY	03	1625	1714	1815	S12	E34	6993	01	6.2	110	SF	M 1.3	3	E		78		
	PALE	03	1740E	1740U	1851D	S08	E33	6993	01	6.2	71D	SF		2	E		27		F
0066	PALE	03	1905E	1905U	1911	S09	E36	6993	01	6.5	6D	SF	M 1.1	3	E		28		
		03	2020		2051	No Flare Patrol													
0067	PALE	03	2135	2141	2208D	S10	E31	6993	01	6.2	33D	SF	M 1.3	3	E		39		F
		03	2156		2207	No Flare Patrol													
0068	PALE	03	2220	2224U	2257D	S08	E32	6993	01	6.3	37D	SN	M 1.7	3	E		69		EF
0069	LEAR	03	2305	2305	2351	S10	E30	6993	01	6.2	46	SF	C 9.6	3	E		69		F
0070	LEAR	04	0012	0015	0019	S18	W81	6985	12	28.9	7	SF	C 5.6	3	E		30		
0071	MITK	04	0023	0025	0038	S09	E31	6993	01	6.3	15	SF			C	0025			
0072		04	0222*	0229*	0330	S10	E30	6993	01	6.3	68	SN	M 1.1				115	1.6	EFIJT
	VORO	04	0222	0229	0259D	S10	E30	6993	01	6.3	37D	SF		1	C	0229	116	1.4	EIJT
	MITK	04	0225	0232	0351	S10	E30	6993	01	6.3	86	1N			C	0232	200	2.4	E
	PEKG	04	0225	0240	0325	S10	E29	6993	01	6.3	60	1F			P	0240	252	2.9	E
	WATU	04	0301E		0313	S09	E30	6993	01	6.4	12D	SN			P	0301	50	0.6	F
	LEAR	04	0301	0302	0330	S10	E28	6993	01	6.2	29	SN	M 1.1	3	E		24		FE
	YUNN	04	0313E	0313U	0331	S09	E32	6993	01	6.5	18D	SN			P	0313	49	0.6	
0073	LEAR	04	0419	0426	0439	S10	E27	6993	01	6.2	20	SF	C 5.3	3	E		26		F
0074		04	05302	05373	0616	S10	E27	6993	01	6.2	46	1N	M 2.4				189	2.4	EF
	LEAR	04	0530	0537	0623	S10	E26	6993	01	6.2	53	1N	M 2.4	3	E		110		F
	MITK	04	0531	0539	0622	S10	E28	6993	01	6.3	51	1B			C	0539	250	2.9	E
	PEKG	04	0531	0540	0621	S10	E27	6993	01	6.2	50	1N			P	0540	252	2.9	E
	WATU	04	0532	0537	0555	S11	E28	6993	01	6.3	23	SN			C	0537	90	1.0	E
	YUNN	04	0539E	0539U	0621	S09	E27	6993	01	6.3	42D	1B			P	0539	244	2.8	
0075	ISTA	04	0813	0853	0908	S10	E28	6993	01	6.4	55	SF			P				E
0076	SVTO	04	1028	1029	1047D	S19	E33	6997	01	6.9	19D	SF		3	E		21		F
0077		04	10503	1059	1107	S16	W71	6988	12	30.2	17	1N					21		FH
	HTPR	04	1050		1102D	S14	W72	6988	12	30.1	12D	1N			C				H
	SVTO	04	1053	1059	1107	S19	W70	6988	12	30.2	14	SF		3	E		21		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0078		04	11086	11202	1212	S18	W64	6988	12	30.7	64	2N					288	6.9	EF
	KANZ	04	1108	1120	1212	S18	W65	6988	12	30.6	64	1F		2	C				
	ONDR	04	1114	1122	1135D	S19	W64	6988	12	30.7	21D	2N			P	1122	288	6.9	FE
0079	KANZ	04	1204	1204	1216	S11	E21	6993	01	6.1	12	SF		2	C				
0080	KANZ	04	1344	1344	1352	S20	E31	6997	01	6.9	8	SF		2	C				
		04	1401		1426	No Flare Patrol													
		04	1616		1647	No Flare Patrol													
		04	1652		1728	No Flare Patrol													
		04	1752		1810	No Flare Patrol													
0081		04	18301	18323	1928	S17	W72	6988	12	30.4	58	1N	M 4.4				170		EFZ
	PALE	04	1830	1835	1949	S17	W71	6988	12	30.5	79	1F		3	E		168		F
	RAMY	04	1831	1832	1908	S17	W74	6988	12	30.2	37	1N	M 4.4	4	E		173		ZE
		04	2209		2223	No Flare Patrol													
0082		04	23561	2359	2410	S09	E18	6993	01	6.3	14	SF	C 6.2				52		EF
	LEAR	04	2356	2359	2411	S09	E18	6993	01	6.3	15	SF	C 6.2	3	E		52		F
	MITK	04	2357	2359	2409	S09	E19	6993	01	6.4	12	SF			C	2359			E
0083		05	02375	02526	0336	S17	E22	6994	01	6.8	59	1N	M 1.8				260	3.0	EF
	LEAR	05	0237	0252	0356	S18	E21	6994	01	6.7	79	1N	M 1.8	3	E		247		F
	YUNN	05	0241E	0252	0330	S17	E21	6994	01	6.7	49D	2N			P		455	5.2	F
	WATU	05	0242	0256	0311	S17	E23	6994	01	6.9	29	SN			C	0256	30	0.3	F
	MITK	05	0242	0258	0345	S17	E22	6994	01	6.8	63	1N			C	0258	310	3.5	EF
0084		05	0248	02521	0357	S20	E25	6997	01	7.0	69	SF					70		F
	PALE	05	0246E	0253	0338D	S19	E24	6997	01	6.9	52D	SF		3	E		96		F
	LEAR	05	0248	0252	0357	S21	E26	6997	01	7.1	69	SF		3	E		45		
0085		05	0455*	0503*	0538	S16	E19	6994	01	6.6	43	SF	M 1.3				95	0.6	EF
	LEAR	05	0455	0525	0604	S16	E20	6994	01	6.7	69	1F	M 1.3	3	E		140		F
	WATU	05	0501	0503	0511	S17	E18	6994	01	6.6	10	SF			C	0503	50	0.6	E
	MITK	05	0516	0545	0552D	S16	E20	6994	01	6.7	36D	SN			C	0545			E
0086		05	0729*	0737*	0840	S10	E12	6993	01	6.2	71	SF	C 5.6				44	0.7	EFK
	LEAR	05	0729	0741	0855	S10	E13	6993	01	6.3	86	SF	C 5.6	3	E		59		F
	LEAR	05	0729	0829	0855	S10	E13	6993	01	6.3	86	SN			E		37		K
	WATU	05	0732	0737	0747	S11	E12	6993	01	6.2	15	SN			C	0737	70	0.7	E
	SVTO	05	0736E	0750	0813	S10	E13	6993	01	6.3	37D	SF		3	E		36		F
	SVTO	05	0825	0844	0933	S10	E13	6993	01	6.3	68	SF		3	E		19		F
	ISTA	05	0830		0838	S09	E09	6993	01	6.0	8	SF			P				E
0087	SVTO	05	0849	0907	0925	N06	E47	6996	01	8.9	36	SF		3	E		34		
0088		05	0935*	0941*	1032	S12	E12	6993	01	6.3	57	SF	C 4.7				42		F
	SVTO	05	0935	0956	1109	S12	E10	6993	01	6.1	94	SF	C 4.7	3	E		42		F
	KANZ	05	0937	0941	1005	S13	E10	6993	01	6.1	28	SF		2	C				
	KANZ	05	0957	0957	1021	S10	E15	6993	01	6.5	24	SF		2	C				
0089	KANZ	05	1025	1025	1041	S11	E18	6994	01	6.8	16	SF		2	C				
0090	KANZ	05	1025	1029	1045	S11	E09	6993	01	6.1	20	SF		2	C				
0091	KANZ	05	1105	1105	1109	S17	W71	6992	12	31.1	4	SF		2	C				
0092	KANZ	05	1242	1242	1247	S21	W77	6988	12	30.7	5	SF		2	C				
0093	KANZ	05	1247	1247	1259	N19	W06	6991B	01	5.1	12	SF		2	C				
0094		05	1316	13204	1438D	S12	E10	6993	01	6.3	82D	1N	M 1.9				110		F
	KANZ	05	1316	1320	1404D	S12	E10	6993	01	6.3	48D	1N		2	C				
	SVTO	05	1316	1324	1438D	S11	E10	6993	01	6.3	82D	1N	M 1.9	3	E		153		F
	RAMY	05	1345E	1346U	1408D	S14	E09	6993	01	6.2	23D	SF		2	E		68		F
		05	1439		2021	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0095	HOLL	05	2022	2024U	2054D	S16	E13	6994	01	6.8	32D	1F M	1.0	2	E		127		F
		05	2055		2108	No Flare Patrol													
		05	2110		2138	No Flare Patrol													
		05	2148		2158	No Flare Patrol													
		05	2218		2225	No Flare Patrol													
		05	2227		2235	No Flare Patrol													
0096	HOLL	05	2237	2245	2249	S15	E10	6994	01	6.7	12	SF	C 4.8	3	E		26		
0097		06	0337*	0346*	0435	S12	E01	6993	01	6.2	58	SN	C 7.5				91	0.7	EFHK
	LEAR	06	0337	0400	0459	S11	E02	6993	01	6.3	82	1F	C 7.5	3	E		167		FH
	WATU	06	0343	0346	0350	S13	W01	6993	01	6.1	7	SF			C	0346	60	0.6	E
	URUM	06	0346E	0350	0455	S12	W00	6993	01	6.1	69D	SN			C		48	0.5	EK
	URUM	06	0346E	0404	0455	S11	E01	6993	01	6.2	69D	SB			C		129	1.3	FK
	WATU	06	0356		0417	S13	E01	6993	01	6.2	21	SN			P	0401	50	0.5	E
0098		06	0605*	0613	0650	S11	W00	6993	01	6.2	45	SF					39	0.4	E
	WATU	06	0605	0613	0643	S11	W01	6993	01	6.2	38	SF			P	0613	30	0.3	E
	URUM	06	0625	0641U	0657	S11	W00	6993	01	6.3	32	SF			C		48	0.5	E
0099		06	08202	08241	0842	N05	E29	6996	01	8.5	22	SF					53	0.8	E
	KANZ	06	0820	0824	0840	N05	E29	6996	01	8.5	20	SF		2	C				
	SVTO	06	0822	0825	0843	N06	E29	6996	01	8.5	21	SF		3	E		42		
	URUM	06	0822	0825	0843	N05	E28	6996	01	8.4	21	SF			C		64	0.8	E
0100		06	08287	08373	0848	S14	E13	6997A	01	7.3	20	SF	C 2.7				50	0.9	EF
	KANZ	06	0828	0840	0848	S14	E13	6997A	01	7.3	20	SF		2	C				
	URUM	06	0834	0837	0850	S14	E13	6997A	01	7.3	16	SN			C		80	0.9	E
	SVTO	06	0835	0838	0846	S13	E13	6997A	01	7.3	11	SF	C 2.7	3	E		19		F
0101	SVTO	06	1432E	1433U	1451D	N09	E29	6996	01	8.8	19D	SF	C 3.9	2	E		39		F
		06	1502		1737	No Flare Patrol													
		06	1913		1935	No Flare Patrol													
		06	1939		2000	No Flare Patrol													
		06	2015		2035	No Flare Patrol													
		06	2039		2225	No Flare Patrol													
0102		07	00452	00461	0052	S14	W10	6994	01	6.3	7	SF	C 2.5				27		
	LEAR	07	0045	0046	0053	S13	W11	6994	01	6.2	8	SF		3	E		44		
	PALE	07	0047	0047	0050	S14	W10	6994	01	6.3	3	SF	C 2.5	3	E		10		
0103		07	04032	04152	0436	S15	W11	6994	01	6.3	33	SN	M 1.5				118	1.4	EF
	LEAR	07	0403	0417	0448	S14	W12	6994	01	6.3	45	SN	M 1.5	3	E		89		FE
	URUM	07	0404	0415	0422D	S15	W11	6994	01	6.3	18D	SN			C		96	1.0	E
	PEKG	07	0405	0416	0425	S15	W11	6994	01	6.3	20	SB			P	0416	168	1.8	E
0104	LEAR	07	0449	0454	0533	S16	W07	6994	01	6.7	44	SF	C 4.4	3	E		85		
0105	SVTO	07	0803	0817	0843	N16	E35	7003	01	10.0	40	SF		3	E		30		
0106	SVTO	07	0804	0816	0833	N22	E39	6999	01	10.3	29	SF		3	E		29		
0107		07	0815	08152	0834	S19	W12	6994	01	6.4	19	SF					20		
	KANZ	07	0815	0815	0835	S19	W12	6994	01	6.4	20	SF		2	C				
	SVTO	07	0815	0817	0834	S19	W12	6994	01	6.4	19	SF		3	E		20		
0108	SVTO	07	0837	0921	0941	N22	E38	6999	01	10.3	64	SF		3	E		21		
0109	SVTO	07	0843	0848	0859	S11	W14	6993	01	6.3	16	SF		3	E		26		
0110	SVTO	07	0847	0921	0938	N17	E35	7003	01	10.0	51	SF		3	E		23		
0111	SVTO	07	0848	0849	0852	N06	W44	7002	01	4.1	4	SF		3	E		11		F
0112	SVTO	07	1019	1022	1029	N16	E34	7003	01	10.0	10	SF		3	E		15		
0113	SVTO	07	1042	1042	1048	S13	W22	6993	01	5.8	6	SF		3	E		54		F

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0114	SVTO	07	1042	1043	1048	S18	W31		01	5.1	6	SF		3	E		20		
0115	KANZ	07	1103	1107	1131	N15	E34	7003	01	10.0	28	SF		2	C				
0116		07	11283	1131	1134	S16	W14	6994	01	6.4	6	SF					13		
	SVTO	07	1128	1131	1133	S16	W15	6994	01	6.3	5	SF		3	E		13		
	KANZ	07	1131	1131	1135	S16	W14	6994	01	6.4	4	SF		2	C				
0117	KANZ	07	1203	1203	1211	S16	W10	6994	01	6.7	8	SF		2	C				
0118	KANZ	07	1219	1227	1239	N15	E33	7003	01	10.0	20	SF		2	C				
0119	KANZ	07	1223	1223	1227	S14	W10	6994	01	6.8	4	SF		2	C				
0120	KANZ	07	1317E	1317U	1328	S05	E83	7007	01	13.8	11D	SF		2	C				
0121		07	13432	13445	1404	S17	W12	6994	01	6.6	21	SF	C 5.4				34		F
	RAMY	07	1343	1344	1404	S17	W11	6994	01	6.7	21	SF	C 5.4	3	E		34		F
	KANZ	07	1345	1349	1357D	S17	W12	6994	01	6.7	12D	SF		2	C				
		07	1407		1410	No Flare Patrol													
		07	1439		1502	No Flare Patrol													
0122	RAMY	07	1503E	1505	1519	S05	E89	7007	01	14.3	16D	SF		3	E		19		
0123	RAMY	07	1503E	1507	1522	S15	W16	6994	01	6.4	19D	SF	M 1.2	3	E		68		F
0124	RAMY	07	1612	1616	1625	S12	W18	6993	01	6.3	13	SF	C 4.4	3	E		38		F
0125	RAMY	07	1615	1622	1627	S16	W12	6994	01	6.8	12	SF		3	E		12		F
0126	RAMY	07	1646	1647	1653	N08	W50	7002	01	3.9	7	SF		3	E		15		F
		07	1701		1725	No Flare Patrol													
0127	PALE	07	1802	1802	1810	S02	E83	7007	01	13.9	8	SF		3	E		26		
		07	1921		1926	No Flare Patrol													
0128	PALE	07	2022	2025	2037	S16	W18	6994	01	6.5	15	SF	C 8.9	3	E		52		F
0129		08	0046E	0047	0110	N10	E14	7006	01	9.1	24D	SN	C 5.0				34	0.3	EF
	PALE	08	0046E	0046U	0110	N09	E12	7006	01	8.9	24D	SF	C 5.0	3	E		39		F
	WATU	08	0047E	0047	0047D	N11	E15	7006	01	9.2	24D	SN			P	0047	30	0.3	E
0130		08	01094	0116	0124	N06	W50	7002	01	4.3	15	1N					144	2.4	EJT
	VORO	08	0109	0116	0128	N07	W45	7002	01	4.7	19	SF		1	C	0116	99	1.5	EJT
	MITK	08	0113	0116	0121	N06	W55	7002	01	3.9	8	1N			C	0116	190	3.4	
0131	LEAR	08	0203	0226	0230	S04	E80	7007	01	14.1	27	SF		3	E		37		F
0132		08	02039	02137	0236	N20	E09	7005	01	8.8	33	SN	C 6.2				152	2.0	EFI
	LEAR	08	0203	0213	0300	N20	E11	7005	01	8.9	57	1N	C 6.2	3	E		128		E
	VORO	08	0207	0214	0230	N20	E09	7005	01	8.8	23	SF		1	C	0214	143	1.6	EI
	WATU	08	0209	0213	0220	N22	E08	7005	01	8.7	11	SF			C	0213	60	0.7	E
	MITK	08	0211	0215	0225	N20	E10	7005	01	8.8	14	SN			C	0215			
	PALE	08	0212	0213	0229	N20	E09	7005	01	8.8	17	SB		3	E		95		F
	PEKG	08	0212	0220	0253	N20	E09	7005	01	8.8	41	1N			P	0220	336	3.8	E
0133		08	0213*	02551	0312	N07	W51	7002	01	4.3	59	SF	C 3.8				57	1.4	EJT
	LEAR	08	0213	0256	0323	N08	W54	7002	01	4.0	70	SF	C 3.8	3	E		64		
	VORO	08	0251	0255	0258D	N07	W45	7002	01	4.7	7D	SF		1	C	0255	90	1.4	EJT
	PALE	08	0254	0255	0301	N05	W55	7002	01	4.0	7	SF		3	E		18		
0134	LEAR	08	0416	0423	0432	S04	E73	7007	01	13.6	16	SF	C 3.2	3	E		73		F
0135	LEAR	08	0534	0534	0539	N08	W55	7002	01	4.1	5	SF	C 4.9	3	E		33		F

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0136		08	0752*	0818*	0901	S17	W22	6994	01	6.6	69	1N	M 1.7				232		EFKU
	LEAR	08	0752	0818	0908	S17	W22	6994	01	6.6	76	2N			E		286		K
	LEAR	08	0752	0842	0908	S17	W22	6994	01	6.6	76	1N	M 1.7	3	E		177		FE
	ISTA	08	0840		0846	S16	W23	6994	01	6.6	6	SB			P				U
0137	LEAR	08	0816	0817	0835	S10	W29	6993	01	6.2	19	1N	C 6.5	3	E		122		F
0138	ISTA	08	0908		0916	N08	W61	7002	01	3.8	8	SN			P				E
0139	SVTO	08	1130	1133	1150	N06	W59	7002	01	4.1	20	SF		3	E		12		F
0140		08	1130	11343	1147	S16	W22	6994	01	6.8	17	SF					29		F
	KANZ	08	1130	1134	1146	S15	W22	6994	01	6.8	16	SF		2	C				
	SVTO	08	1130	1137	1148	S16	W21	6994	01	6.9	18	SF		3	E		29		F
0141	SVTO	08	1131	1138	1154	S09	W21	6993	01	6.9	23	SF	C 3.6	3	E		36		F
0142		08	13002	1302	1306	S11	W28	6993	01	6.4	6	1N					249	2.9	E
	KAND	08	1300	1302	1305	S11	W29	6993	01	6.3	5	1B			P	1302	249	2.9	E
	KANZ	08	1302	1302	1306	S11	W28	6993	01	6.4	4	SF		2	C				
0143	RAMY	08	1421	1422	1438	S09	W23	6993	01	6.9	17	SF	C 3.1	3	E		34		EF
0144	RAMY	08	1606	1606	1614	S10	W32	6993	01	6.3	8	SF	C 3.5	3	E		22		F
0145	RAMY	08	1928	1928	1937	S11	W33	6993	01	6.3	9	SF	C 4.8	3	E		38		
0146	PALE	08	2117	2117	2133	S15	W25	6994	01	7.0	16	SF		3	E		18		F
0147	LEAR	09	0356	0406	0415	S17	W32	6994	01	6.7	19	SF	C 6.3	3	E		33		F
0148	LEAR	09	0536	0536	0542	S10	W39	6993	01	6.3	6	SF		3	E		35		
0149		09	06037	06141	0622	S07	E66	7007	01	14.2	19	1N	C 5.6				87	1.1	E
	LEAR	09	0603	0614	0623	S07	E68	7007	01	14.3	20	1F	C 5.6	3	E		126		
	URUM	09	0610	0615	0620	S07	E65	7007	01	14.1	10	SN			C		48	1.1	E
0150	SVTO	09	0931	0945	0953	S15	W33	6994	01	6.9	22	SF		3	E		25		F
0151	SVTO	09	1003	1010	1025	N06	W74	7002	01	3.9	22	SF		3	E		16		
0152	SVTO	09	1024	1027	1037	S15	W33	6994	01	6.9	13	SF		3	E		32		F
0153	SVTO	09	1241	1245U	1336	S17	W37	6994	01	6.7	55	1N	M 5.4	3	E		128		F
		09	1416		1905	No Flare Patrol													
		09	1910		1914	No Flare Patrol													
		09	1932		1945	No Flare Patrol													
		09	2122		2216	No Flare Patrol													
0154	VORO	10	0148	0155	0158	S11	W60	6993	01	5.6	10	SF		1	C	0155	81	1.6	EIJ
0155	LEAR	10	0213	0214	0224	N15	W02	7003	01	9.9	11	SF		3	E		24		F
0156		10	02504	02552	0302	S12	W58	6993	01	5.7	12	SF	C 2.5				50	1.8	EIJ
	LEAR	10	0250	0257	0303	S12	W58	6993	01	5.7	13	SF		3	E		44		
	VORO	10	0254	0255	0259	S11	W60	6993	01	5.6	5	SF		1	C	0255	90	1.8	EIJ
	LEAR	10	0254	0256	0303	S12	W57	6993	01	5.8	9	SF	C 2.5	3	E		16		
0157		10	03118	03138	0329	S12	E76		01	15.8	18	SF	C 5.5				108		EF
	PEKG	10	0311	0313	0332	S11	E78		01	16.0	21	1N			C	0313	168		E
	PALE	10	0312	0313	0325	S11	E75		01	15.8	13	SF	C 5.5	3	E		84		F
	LEAR	10	0319	0321	0329	S13	E75		01	15.8	10	SF		3	E		73		F
		10	1216		1225	No Flare Patrol													
		10	1307		1432	No Flare Patrol													
		10	1622		1801	No Flare Patrol													
		10	1806		1937	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0158	RAMY	10	1938E	1938	1946D	N10	W18	7006	01	9.5	8D	SF		3	E		14		F
0159	RAMY	10	1938E	1938	1946D	N05	W28	6996	01	8.7	8D	SF		3	E		25		F
		10	1947		2236	No Flare Patrol													
		10	2255		2311	No Flare Patrol													
0160		11	04228	04274	0443	S17	W39	7004	01	8.2	21	SF	C 3.2				42	0.5	E
	MITK	11	0422	0429	0440	S15	W37	7004	01	8.4	18	SF			C	0429			
	LEAR	11	0423	0427	0439	S15	W39	7004	01	8.2	16	SF	C 3.2	3	E		53		
	URUM	11	0430	0431	0449	S21	W42	7004	01	8.0	19	SN			C		32	0.5	E
0161	LEAR	11	0845	0846	0852	S10	E82	7008	01	17.5	7	SF		3	E		31		
0162	KHAR	11	0932E		0943	S10	E85	7008	01	17.8	11D	SF		2	P	0934			DH
0163	KANZ	11	1049E	1101	1125	N10	W34	7006	01	8.9	36D	SF		2	C				
		11	1402		1410	No Flare Patrol													
		11	1426		1427	No Flare Patrol													
0164	HTPR	11	1444		1457D	S10	E85	7008	01	18.0	13D	SN			C				A
		11	1458		1956	No Flare Patrol													
		11	2001		2005	No Flare Patrol													
		11	2022		2023	No Flare Patrol													
		11	2034		2205	No Flare Patrol													
		11	2213		2244	No Flare Patrol													
		11	2309		2330	No Flare Patrol													
0165	KANZ	12	1040	1044	1052	S03	E20	7007	01	13.9	12	SF		2	C				
0166	KANZ	12	1152	1156	1200	S18	W88	6994	01	5.8	8	SF		2	C				
0167	RAMY	12	1433	1434	1446D	N14	W50	6996	01	8.8	13D	SF	C 9.3	3	E		64		H
		12	1500		1518	No Flare Patrol													
		12	1616		1620	No Flare Patrol													
		12	1625		1638	No Flare Patrol													
		12	1949		2001	No Flare Patrol													
		12	2101		2123	No Flare Patrol													
		12	2149		2219	No Flare Patrol													
		12	2229		2237	No Flare Patrol													
		13	0042		0049	No Flare Patrol													
		13	1231		1306	No Flare Patrol													
		13	1308		1316	No Flare Patrol													
		13	1332		1347	No Flare Patrol													
		13	1349		1421	No Flare Patrol													
		13	1510		1601	No Flare Patrol													
		13	1612		1647	No Flare Patrol													
		13	2029		2117	No Flare Patrol													
		13	2143		2309	No Flare Patrol													
0168	VORO	14	0217	0220	0233	N15	W60	7003	01	9.5	16	SF		1	C	0220	81	1.8	EJ
0169	LEAR	14	0600	0608	0615	N25	W47	7001	01	10.6	15	SF		3	E		51		F
0170		14	0728	07332	0754	S04	W06	7007	01	13.9	26	1N	C 3.1				67	0.3	EF
	LEAR	14	0728	0733	0753	S06	W04	7007	01	14.0	25	1F	C 3.1	3	E		102		F
	URUM	14	0729E	0735	0755	S03	W08	7007	01	13.7	26D	SN			C		32	0.3	E
0171	HTPR	14	0845		0905	S07	E90	7012	01	21.1	20	SF			C				
0172	HTPR	14	1035		1045	S07	E90	7012	01	21.2	10	SF			C				
0173	HTPR	14	1215		1235	S07	E90	7012	01	21.2	20	SF			C				
0174	HTPR	14	1405	1416	1445	S13	E45	7008	01	18.0	40	1F			C	1416	180	2.7	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0175	RAMY	14	1637	1637	1707	S15	E43	7008	01	17.9	30	SF	C 4.8	4	E		91		F
0176	RAMY	14	1935E	1939	2004	S11	E89	7012	01	21.5	29D	SF	M 1.7	4	E		16		
		14	2148		2225	No Flare Patrol													
		14	2315		2323	No Flare Patrol													
0177	LEAR	14	2330	2332	2357	S06	W13	7007	01	14.0	27	SF		3	E		51		F
0178		15	0247	02579	0518	S16	W40	7010C	01	12.1	151	1F					212	2.8	EJS
	VORO	15	0247	0257	0325D	S16	W42	7010C	01	11.9	38D	1F		1	C	0257	224	3.0	EJ
	MITK	15	0247	0306	0518	S17	W39	7010C	01	12.1	151	1F			C	0306	200	2.7	ES
0179	HTPR	15	1010		1030	S08	E80	7012	01	21.4	20	SF			C				
0180		15	1037	1041	1048	S09	E78	7012	01	21.3	11	1N					107		D
	BUCA	15	1034E	1041	1050D	S10	E77	7012	01	21.2	16D	1F			C	1041	107		D
	HTPR	15	1037		1048	S08	E80	7012	01	21.4	11	1N			C				
0181		15	1410	1435	1454	S08	E74	7012	01	21.1	44	SN					67		
	HTPR	15	1410		1500	S08	E75	7012	01	21.2	50	SN			C				
	SVTO	15	1434E	1435	1449	S09	E72	7012	01	21.0	15D	SF		3	E		67		
0182	RAMY	15	1548	1549	1616	S12	E28	7008	01	17.8	28	SF	C 2.6	3	E		38		F
		15	1726		1840	No Flare Patrol													
		15	1846		1927	No Flare Patrol													
		15	1959		2049	No Flare Patrol													
0183	PALE	15	2156	2157	2206	S11	E25	7008	01	17.8	10	SF	C 1.0	3	E		20		F
		15	2209		2226	No Flare Patrol													
		15	2316		2327	No Flare Patrol													
0184	LEAR	16	0326	0329	0340	S08	E24	7008	01	17.9	14	SF	B 9.7	3	E		21		
0185	SVTO	16	1437	1439	1444	S10	E15	7008	01	17.7	7	SF		3	E		18		F
		16	1830		1833	No Flare Patrol													
		16	1916		1927	No Flare Patrol													
		16	2212		2217	No Flare Patrol													
		16	2308		2316	No Flare Patrol													
		17	0003		0004	No Flare Patrol													
0186		17	0427	0431	0444	S12	E09	7008	01	17.9	17	SN					62	0.6	E
	PEKG	17	0427	0431	0444	S12	E10	7008	01	17.9	17	SN			P	0431	84	0.9	E
	WATU	17	0430E		0430D	S12	E08	7008	01	17.8	17D	SF			P	0430	40	0.4	
0187		17	0843	0848	0938	S10	E50	7012	01	21.1	55	1N	C 2.5				160	4.2	EF
	SVTO	17	0843	0848	0946	S10	E50	7012	01	21.1	63	SF	C 2.5	3	E		61		F
	HTPR	17	0845E		0930	S10	E50	7012	01	21.1	45D	1N			C	0900	260	4.2	E
0188	HTPR	17	0940		1035	S12	W80	7010C	01	11.4	55	SN			C				
0189		17	1120*	11364	1208	S05	E04	7008	01	17.8	48	SF					68	0.8	F
	HTPR	17	1120	1140	1210	S05	E05	7008	01	17.8	50	SF			C	1140	80	0.8	
	KANZ	17	1132	1136	1204	S04	E04	7008	01	17.8	32	SF		2	C				
	SVTO	17	1135	1137	1210	S07	E04	7008	01	17.8	35	SF		3	E		56		F
		17	1641		1705	No Flare Patrol													
		17	1730		1742	No Flare Patrol													
		17	1801		1805	No Flare Patrol													
0190	PALE	18	0033	0036	0045	S06	E43	7012	01	21.2	12	SF	C 2.4	3	E		36		
0191	HTPR	18	0935		0955	S12	W90		01	11.6	20	SF			C				
		18	1725		1726	No Flare Patrol													
		18	2203		2239	No Flare Patrol													

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0192	PALE	18	2240E	2240U	2305	S09	W30	7020	01	16.7	25D	SF		3	E		71		
0193	WATU	19	0058	0059	0104	S03	W72	7007	01	13.7	6	SF			C	0059	30		E
0194	PEKG	19	0402	0410	0425	N04	E77	7016	01	24.9	23	1B			P	0410	84		D
		19	1001		1012	No Flare Patrol													
		19	1014		1019	No Flare Patrol													
		19	1025		1036	No Flare Patrol													
		19	1042		1046	No Flare Patrol													
0195		19	1051	1132	1142	N02	E72	7016	01	24.8	51	1N	C 1.4				34		FU
	SVTO	19	1051	1132	1144	N03	E70	7016	01	24.7	53	SF	C 1.4	2	E		34		
	ISTA	19	1128E		1141	N02	E73	7016	01	24.9	13D	1N			P				FU
0196	ISTA	19	1128E		1139	N08	W40		01	16.5	11D	SB			P				DG
0197		19	12436	12473	1258	S05	W78	7007	01	13.7	15	SN					21		ADGM
	KANZ	19	1243	1247	1303	S06	W79	7007	01	13.6	20	SF		2	C				
	ISTA	19	1245		1258	S03	W81	7007	01	13.5	13	SB			P				ADGM
	RAMY	19	1249	1250	1254	S05	W74	7007	01	14.0	5	SF		2	E		21		
0198	SVTO	19	1424	1429	1437	N17	E18	7019	01	21.0	13	SF		2	E		17		
0199	SVTO	19	1436	1438	1449	N04	E66	7016	01	24.5	13	SF		2	E		30		
0200	HOLL	19	1524	1542	1551	N03	E71	7016	01	24.9	27	SF		2	E		82		
0201		20	03086	03146	0329	N17	E13	7019	01	21.1	21	SF	C 1.5				58	0.8	EF
	PEKG	20	0308	0320	0328	N17	E13	7019	01	21.1	20	SN			P	0320	126	1.4	E
	WATU	20	0310		0314D	N17	E13	7019	01	21.1	4D	SF			P	0314	20	0.2	E
	PALE	20	0314	0314	0330	N17	E12	7019	01	21.0	16	SF	C 1.5	3	E		27		F
0202	PALE	20	0345	0346	0403D	N03	E59	7016	01	24.6	18D	SF	C 1.1	2	E		20		
		20	1116		1137	No Flare Patrol													
		20	2141		2158	No Flare Patrol													
		20	2237		2241	No Flare Patrol													
		20	2306		2310	No Flare Patrol													
		20	2322		2336	No Flare Patrol													
		20	2355		2400	No Flare Patrol													
		21	0000		0000	No Flare Patrol													
		21	0431		0453	No Flare Patrol													
0203		21	0642	06442	0700	N16	W02	7019	01	21.1	18	SN					86	1.0	EF
	TACH	21	0642	0644	0700	N16	W02	7019	01	21.1	18	SB		2	C	0644	143	1.6	F
	WATU	21	0646E	0646	0646D	N16	W01	7019	01	21.2	18D	SF			P	0646	30	0.3	E
0204	HTPR	21	0910		0920	S10	E85	7026	01	27.8	10	SN			C				
		21	1027		1044	No Flare Patrol													
		21	1116		1133	No Flare Patrol													
0205	RAMY	21	1617	1617	1623	S13	E75	7026	01	27.3	6	SF	C 1.7	3	E		23		
0206	RAMY	21	1902	1903	1916	N02	E41	7016	01	24.8	14	SF	C 2.4	3	E		14		F
0207	RAMY	21	1936	1946	2014	N01	E40	7016	01	24.8	38	SF	M 1.3	3	E		84		F
		21	2158		2206	No Flare Patrol													
0208	HOLL	21	2214E	2214U	2225	N02	E38	7016	01	24.8	11D	SF		2	E		22		
0209	HOLL	21	2300	2310	2326	N14	W12	7019	01	21.0	26	SF		2	E		67		F
0210	WATU	22	0041		0043D	N01	E38	7016	01	24.9	2D	SF			P	0043	20	0.3	D
0211		22	0206	0211	0240	N15	W14	7019	01	21.0	34	1N	C 1.3				155	2.8	F
	LEAR	22	0206	0211	0240	N14	W12	7019	01	21.2	34	SF	C 1.3	3	E		34		F
	KODA	22	0217E	0217U	0217D	N16	W15	7019	01	20.9	34D	1B			P	0217	276	2.8	

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0212	LEAR	22	0336	0338	0354	S13	E69	7026	01	27.3	18	SF		3	E		34		
0213	LEAR	22	0430	0432	0445	N13	W15	7019	01	21.0	15	SF	C 1.2	3	E		31		
0214	LEAR	22	0530	0535	0543	S13	E69	7026	01	27.4	13	SF	C 2.7	3	E		72		
0215		22	0540*	05561	0613	N03	E36	7016	01	24.9	33	1N	C 3.8				164	2.4	EF
	YUNN	22	0540	0554U	0554D	N03	E36	7016	01	24.9	14D	1N			P	0554	325	4.2	
	LEAR	22	0542	0556	0626	N02	E37	7016	01	25.0	44	SF	C 3.8	3	E		89		FE
	PEKG	22	0543	0557	0610	N03	E36	7016	01	24.9	27	1B			C	0557	168	2.2	E
	MITK	22	0546	0556	0617	N02	E36	7016	01	24.9	31	1F			C	0556	200	2.6	
	WATU	22	0554	0556	0600	N03	E35	7016	01	24.9	6	SF			C	0556	40	0.5	
0216	LEAR	22	0808	0809	0817	N01	E35	7016	01	24.9	9	SF	C 1.8	3	E		26		F
0217		22	09496	09563	1005	N02	E33	7016	01	24.9	16	SF					107	2.6	BEF
	SVTO	22	0949	0956	1042D	N01	E32	7016	01	24.8	53D	SF		2	E		39		F
	LEAR	22	0955	0959	1005	N02	E33	7016	01	24.9	10	SF		3	E		68		F
	BUCA	22	0958E	1000U	1015D	N04	E33	7016	01	24.9	17D	1F			C	1000	215	2.6	BE
		22	1046		1047	No Flare Patrol													
		22	1056		1116	No Flare Patrol													
		22	1725		1734	No Flare Patrol													
0218	HOLL	22	1744	1747	1807	N02	E28	7016	01	24.8	23	SF	C 1.3	3	E		45		F
0219	HOLL	22	1832	1834	1855	N15	W23	7019	01	21.0	23	SF		3	E		33		
0220		23	02335	02391	0245	N00	E18	7016	01	24.4	12	SF	C 1.3				97	1.0	E
	WATU	23	0231E		0242	N01	E18	7016	01	24.4	11D	SF			P	0231	10	0.1	E
	PEKG	23	0233	0240	0246	N00	E17	7016	01	24.4	13	SN			P	0240	168	1.8	E
	LEAR	23	0238	0239	0248	N00	E18	7016	01	24.4	10	1F	C 1.3	3	E		114		
		23	1329		1418	No Flare Patrol													
0221		23	1522	1529	1553	N01	E17	7016	01	24.9	31	SN	C 2.2				60		F
	RAMY	23	1522	1529	1553	N01	E17	7016	01	24.9	31	SF	C 2.2	2	E		65		F
	HOLL	23	1528E	1530U	1606D	N01	E17	7016	01	24.9	38D	SN		2	E		56		F
0222	HOLL	23	1606	1607	1658	S21	E12	7027	01	24.6	52	SF		3	E		19		
0223	HOLL	23	1747	1748	1757	S21	E12	7027	01	24.7	10	SF		3	E		14		
0224		23	18123	18192	1832	S20	E10	7027	01	24.5	20	SF					22		
	PALE	23	1812	1819	1835	S21	E12	7027	01	24.7	23	SF		2	E		29		
	HOLL	23	1815	1821	1828	S19	E07	7027	01	24.3	13	SF		3	E		14		
0225	HOLL	23	2055	2102	2112	S21	E10	7027	01	24.6	17	SF		3	E		28		F
0226	PEKG	24	0559E	0559	0605	S20	E32	7025	01	26.7	6D	SN			P	0559	42	0.5	D
		24	1100		1147	No Flare Patrol													
0227	RAMY	24	1251	1252	1255	N14	W46	7019	01	21.0	4	SF	C 1.5	3	E		13		F
		24	1340		1429	No Flare Patrol													
0228		24	1534	1535	1617	N02	E03	7016	01	24.9	43	SF	C 2.4				43		F
	HOLL	24	1520E	1524U	1606D	N03	E02	7016	01	24.8	46D	SF		1	E		41		F
	RAMY	24	1534	1535	1617	N01	E04	7016	01	24.9	43	SF	C 2.4	3	E		45		F
0229	HOLL	24	1621	1622	1628	S05	E79	7031	01	30.6	7	SF		3	E		33		
0230	HOLL	24	1703	1716	1723	S05	E78	7031	01	30.5	20	SF		3	E		40		
0231	HOLL	24	1821	1823	1838	S05	E75	7031	01	30.4	17	SF		3	E		12		
0232	HOLL	24	2215	2218	2234	S07	E74	7031	01	30.5	19	SF	C 2.0	3	E		61		

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0233		25	0003	0004	0011	S06	E72	7031	01 30.4	8	SF					32		
	HOLL	24	2359E	U	2407	S08	E69	7031	01 30.2	8D	SF		2	E		42		
	LEAR	25	0003	0004	0015	S05	E75	7031	01 30.6	12	SF		3	E		22		
0234		25	01021	01032	0129	N02	W02	7016	01 24.9	27	SF	C 2.9				59	0.9	F
	WATU	25	0102	0103	0112	N02	W02	7016	01 24.9	10	SN			C	0103	90	0.9	F
	PALE	25	0103	0105	0127	N02	W02	7016	01 24.9	24	SF		2	E		29		F
	LEAR	25	0103E	0105U	0147	N02	W02	7016	01 24.9	44D	SF	C 2.9	3	E		58		F
0235		25	02163	02181	0226	N03	W03	7016	01 24.9	10	SF					40	0.5	EF
	WATU	25	0216	0218	0222	N03	W03	7016	01 24.9	6	SF			C	0218	50	0.5	E
	LEAR	25	0219	0219	0229	N03	W03	7016	01 24.9	10	SF		3	E		31		F
0236	HTPR	25	0825	0825	0850	S04	E63	7031	01 30.1	25	1N			C				E
0237	HTPR	25	1000		1030	S13	E90	7033	02 1.2	30	SF			C				
0238	HTPR	25	1218		1240	S03	E62	7031	01 30.1	22	SF			C				EH
0239		25	1239*	1239	1259	S18	W50	7012	01 21.7	20	SF					18		
	KANZ	25	1239	1239	1259	S19	W51	7012	01 21.6	20	SF		2	C				
	SVTO	25	1250	1253U	1259	S18	W50	7012	01 21.7	9	SF		2	E		18		
0240	KANZ	25	1239	1243	1247	S22	W11	7027	01 24.7	8	SF		2	C				
0241	SVTO	25	1249E	1253U	1334D	S05	E68	7031	01 30.6	45D	SF		2	E		30		
0242	SVTO	25	1252E	1252U	1257	S29	W54		01 21.3	5D	SF		2	E		23		
0243		25	1315*	1331	1350	S12	E86	7033	02 1.0	35	1N							A
	HTPR	25	1315		1400	S12	E90	7033	02 1.3	45	1N			C				A
	KANZ	25	1331	1331	1339	S11	E83	7033	01 31.8	8	SF		2	C				
0244	HTPR	25	1400		1547D	S20	W55	7012	01 21.4	107D	1F			C	1425	300	4.2	S
		25	1729		1734	No Flare Patrol												
0245	PALE	25	2005	2005	2021	N07	E64	7030	01 30.6	16	SF	C 3.3	3	E		22		
0246	PALE	25	2212	2216	2236	S12	E17	7026	01 27.2	24	SN	C 6.5	3	E		18		F
0247	PALE	25	2257	2302	2315	N08	E63	7030	01 30.7	18	SN	C 8.9	3	E		63		F
0248	PALE	25	2349	2358	2422	S02	E58	7031	01 30.3	33	SB	M 1.6	3	E		57		F
0249	LEAR	26	0419	0423	0429	S05	E55	7031	01 30.3	10	SF		3	E		22		
0250	SVTO	26	0809	0811	0831	S05	E56	7031	01 30.5	22	SF		3	E		22		
0251	SVTO	26	0815	0817	0825	S18	W63	7012	01 21.5	10	SF		3	E		20		
0252	KANZ	26	1022	1022	1034	N15	W70	7019	01 21.1	12	SF		2	C				
0253	SVTO	26	1045	1045U	1056	S09	E74	7033	02 1.0	11	SF		3	E		18		
0254	SVTO	26	1103	1132	1139	S10	E75	7033	02 1.1	36	SF		3	E		22		
0255	KANZ	26	1154	1154	1158	S17	W22	7017	01 24.8	4	SF		2	C				
0256		26	12063	1210	1214	N04	W24	7016	01 24.7	8	SF					14		H
	KANZ	26	1206	1210	1214	N04	W24	7016	01 24.7	8	SF		2	C				
	SVTO	26	1209	1210	1213	N04	W25	7016	01 24.6	4	SF		3	E		14		H
0257	SVTO	26	1212	1220	1232	S06	E53	7031	01 30.5	20	SF		3	E		18		EF
0258	SVTO	26	1220	1319	1444	N09	E60	7030	01 31.0	144	SF		3	E		31		
0259	KANZ	26	1238	1238	1246	S09	E77	7033	02 1.3	8	SF		2	C				

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0260	KANZ	26	1338	1342	1346	S13	W35	7023	01	23.9	8	SF		2	C				
0261	SVTO	26	1426	1445	1449D	S13	E07	7026	01	27.1	23D	SF	C 5.3	2	E		17		F
0262	RAMY	26	1523	1529	1625	S16	W66	7012	01	21.6	62	3B	X 1.0	3	E		659		F
0263		26	17411	1742	1806	S08	E48	7031	01	30.3	25	SF					19		F
	PALE	26	1741	1742	1808	S06	E49	7031	01	30.4	27	SF		2	E		16		F
	RAMY	26	1742	1742	1803	S09	E48	7031	01	30.3	21	SF		3	E		22		
0264	HOLL	26	2152E	2155U	2201	S22	E90	7035	02	2.8	9D	SF	C 3.7	3	E		51		
0265		26	2257*	2335*	2406	S04	E50	7031	01	30.7	69	SN	C 6.1				67		EF
	LEAR	26	2257	2337	2406	S05	E46	7031	01	30.4	69	1F		3	E		120		FE
	PALE	26	2333	2335	2349	S04	E47	7031	01	30.5	16	SF	C 6.1	3	E		23		F
	PALE	26	2349	2358	2422	S02	E58	7031	01	31.3	33	SB		3	E		57		F
0266	SVTO	27	0830E	0832U	0842	N08	E43	7030	01	30.6	12D	SF		2	E		16		F
		27	0831		0843	No Flare Patrol													
0267		27	0844	0855	0904	S06	E42	7031	01	30.5	20	SN	C 3.1				42		F
	SVTO	27	0844	0855	0909	S07	E40	7031	01	30.4	25	SF	C 3.1	3	E		42		
	ISTA	27	0847D		0858	S06	E43	7031	01	30.6	11	SB			P				F
0268	SVTO	27	0934	0936	0938	S06	E39	7031	01	30.3	4	SF		3	E		14		
		27	1452		1455	No Flare Patrol													
0269	LEAR	28	0010	0011	0018	S11	E20	7038	01	29.5	8	SF		3	E		19		
0270		28	02101	02111	0219	N05	W48	7016	01	24.5	9	SN					28	0.6	EH
	PALE	28	0210	0211	0218	N04	W48	7016	01	24.5	8	SF		3	E		16		H
	WATU	28	0211	0212	0220	N06	W48	7016	01	24.5	9	SN			C	0212	40	0.6	E
0271	WATU	28	0229	0231	0234	N06	W49	7016	01	24.4	5	SF			C	0231	20	0.3	D
0272		28	0831*	08511	0913	N11	E38	7030	01	31.2	42	1N					150	2.0	E
	KANZ	28	0831	0851	0911	N10	E37	7030	01	31.1	40	SF		2	C				
	HTPR	28	0845	0852	0915	N12	E38	7030	01	31.2	30	1B			C	0852	150	2.0	E
0273	HTPR	28	1004	1006	1015	N08	E33	7030	01	30.9	11	SN			C	1006	90	1.1	D
0274	HTPR	28	1150		1200	S15	E90	7039	02	4.3	10	SN			C				A
0275		28	1430*	14385	1511	S09	E42	7033	01	31.7	41	SF	C 2.2				60	1.5	F
	HTPR	28	1430	1438	1519	S08	E43	7033	01	31.8	49	SF			C	1438	110	1.5	
	KANZ	28	1439	1442	1451D	S10	E41	7033	01	31.7	12D	SF		2	C				
	RAMY	28	1442	1443	1503	S10	E42	7033	01	31.8	21	SF	C 2.2	3	E		11		F
0276	HOLL	28	1654	1710	1759	S18	E70	7035	02	3.0	65	1F	C 6.9	3	E		145		F
0277	HOLL	28	1749	1750	1810	S05	E22	7031	01	30.4	21	SF	C 3.7	4	E		27		
0278	HOLL	28	1827	1832	1838	S03	E16	7031	01	30.0	11	SF	C 2.5	4	E		54		E
0279	HOLL	28	1931	1950	2024	S09	E19	7031	01	30.2	53	SF		3	E		17		
0280	HOLL	28	2044	2046	2053	S03	E15	7031	01	30.0	9	SF		4	E		42		H
0281	HOLL	28	2103	2103	2118	S15	E74	7039	02	3.5	15	SF	C 3.4	4	E		25		
0282	HOLL	28	2141	2202	2210	S02	E14	7031	01	29.9	29	SF	C 3.3	3	E		81		EH
0283	HOLL	28	2225	2226	2241	S03	E14	7031	01	30.0	16	SF		3	E		26		
0284	HOLL	28	2251	2308	2350	N05	E11	7032	01	29.8	59	SF	C 3.9	3	E		30		
0285	WATU	29	0104	0105	0111	S03	E13	7031	01	30.0	7	SF			C	0105	20	0.2	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0286		29	01181	01202	0126	S03	E12	7031	01 29.9	8	SF					70	0.7	D
	WATU	29	0118	0120	0123	S03	E12	7031	01 29.9	5	SF			C	0120	70	0.7	D
	MITK	29	0119	0122	0129	S03	E12	7031	01 29.9	10	SF			C	0122			
0287	LEAR	29	0200	0201	0214	S20	E64	7035	02 3.0	14	SF		3	E		18		
0288		29	0202*	02281	0238	S03	E13	7031	01 30.0	36	SN	C 3.1				121	1.4	F
	MITK	29	0202	0228	0241	S02	E12	7031	01 30.0	39	1N			C	0228	210	2.2	
	LEAR	29	0219	0228	0241	S05	E17	7031	01 30.4	22	SN	C 3.1	3	E		92		F
	WATU	29	0223	0229	0233	S03	E11	7031	01 29.9	10	SF			C	0233	60	0.6	
0289		29	03113	03176	0340	N06	E15	7037	01 30.2	29	SN					97	1.0	DEZ
	MITK	29	0311	0323	0357	N05	E15	7037	01 30.2	46	SN			C	0323			E
	YUNN	29	0312E	0317	0320D	N06	E14	7037	01 30.2	8D	SN			P		114	1.2	
	WATU	29	0314	0319	0322	N06	E16	7037	01 30.3	8	SN			C	0314	80	0.9	DZ
0290	YUNN	29	0312	0320U	0320D	S08	E35	7033B	01 31.7	8D	SF			P	0320	33	0.4	
0291		29	05341	05382	0544	S02	E10	7031	01 30.0	10	SN					36		F
	LEAR	29	0534	0540	0544	S02	E10	7031	01 30.0	10	SF		3	E		36		F
	MITK	29	0535	0538	0543	S02	E11	7031	01 30.0	8	SN			C	0538			
0292	LEAR	29	0608	0616	0642	S12	E04	7038	01 29.5	34	SF	C 6.8	3	E		52		F
0293	WATU	29	0616E	0616	0616D	N06	E16	7037	01 30.4	34D	SF			C	0616	40	0.4	
0294	LEAR	29	0636	0637	0639	S05	E14	7031	01 30.3	3	SF		3	E		18		F
0295		29	0711	0745	0822	S12	E02	7038	01 29.4	71	SF	C 3.6				123	2.9	FT
	LEAR	29	0711	0745	0815	S12	E03	7038	01 29.5	64	SF	C 3.6	3	E		53		
	SVTO	29	0806E	0814U	0825D	S11	E01	7038	01 29.4	19D	SF		2	E		25		F
	HTPR	29	0807E		0830	S12	E01	7038	01 29.4	23D	1F			C	0807	290	2.9	T
0296	HTPR	29	0854		0905	S17	E60	7035	02 2.9	11	SF			C	0858	90	1.8	
0297	HTPR	29	0925	0943	1020	S08	E12	7031	01 30.3	55	SN			C	0943	170	1.8	
0298		29	0955	1005	1040	S12	E01	7038	01 29.5	45	SF	C 7.3				86	1.6	FT
	HTPR	29	0955	1005	1045	S13	W01	7038	01 29.3	50	SN			C	1005	160	1.6	T
	SVTO	29	1001E	1003U	1034D	S11	E01	7038	01 29.5	33D	SF	C 7.3	3	E		37		
	LEAR	29	1015E	1015U	1036	S11	E04	7038	01 29.7	21D	SF		2	E		61		F
0299	HTPR	29	1050	1052	1105	N08	E85	7041	02 4.8	15	SF			C				A
0300	KANZ	29	1208	1208	1212	S02	E05	7031	01 29.9	4	SF		2	C				
0301	HTPR	29	1317	1319	1325	N07	E14	7030	01 30.6	8	SN			C	1319	110	1.2	E
0302		29	13182	1320	1325	S04	E14	7031	01 30.6	7	SF					17		
	RAMY	29	1318	1320	1326	S04	E14	7031	01 30.6	8	SF		3	E		17		
	KANZ	29	1320	1320	1324	S04	E13	7031	01 30.5	4	SF		2	C				
0303		29	13271	13281	1342	S09	E11	7031	01 30.4	15	SF					122	2.1	
	HTPR	29	1327	1328	1340	S09	E11	7031	01 30.4	13	1N			C	1328	210	2.1	
	KANZ	29	1328	1328	1344	S08	E10	7031	01 30.3	16	SF		2	C				
	RAMY	29	1328	1329	1342	S09	E11	7031	01 30.4	14	SF		3	E		33		
0304		29	14102	14151	1426	S02	E04	7031	01 29.9	16	SN					40	0.4	D
	HTPR	29	1410	1415	1425	S03	E04	7031	01 29.9	15	SN			C	1415	40	0.4	D
	KANZ	29	1412	1416	1428	S02	E05	7031	01 30.0	16	SF		2	C				
0305		29	14323	1440*	1521	S12	W01	7038	01 29.5	49	SF	C 8.9				109	1.7	EFH
	KANZ	29	1432	1440	1504D	S13	W00	7038	01 29.6	32D	SF		2	C				
	RAMY	29	1434	1451	1535	S12	W01	7038	01 29.5	61	SF	C 8.9	3	E		57		FH
	HTPR	29	1435	1446	1503D	S12	W03	7038	01 29.4	28D	SN			C	1446	170	1.7	E
	SVTO	29	1443E	1443U	1507	S12	W01	7038	01 29.5	24D	1F		3	E		100		
0306		29	1539	15433	1604	S16	E66	7039	02 3.6	25	1N	C 9.9				80		EF
	RAMY	29	1539	1543	1607	S16	E66	7039	02 3.6	28	1F	C 9.9	3	E		104		
	HOLL	29	1543E	1546	1602	S15	E65	7039	02 3.6	19D	SN		3	E		56		FE

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0307		29	15395	1547*	1629	S12	W02	7038	01	29.5	50	SF					22		F
	RAMY	29	1539	1547	1618	S12	W01	7038	01	29.6	39	SF		3	E		15		F
	HOLL	29	1544	1610	1640	S11	W03	7038	01	29.4	56	SF		3	E		28		
0308		29	1546*	1547*	1611	N00	E10	7031	01	30.4	25	SF					10		F
	HOLL	29	1546	1547	1613	N00	E10	7031	01	30.4	27	SF		2	E		11		F
	RAMY	29	1557	1559	1609	N01	E11	7031	01	30.5	12	SF		3	E		10		
0309	HOLL	29	1636	1639	1649	S19	E56	7035	02	3.0	13	SF		3	E		12		
0310	RAMY	29	1648	1652	1701	S12	W02	7038	01	29.5	13	SF		3	E		11		F
0311		29	17176	17186	1744	S14	E69	7039	02	3.9	27	SF	C 5.5				47		F
	HOLL	29	1717	1718	1743	S13	E68	7039	02	3.8	26	SF	C 5.5	3	E		37		F
	RAMY	29	1723	1724	1744	S14	E70	7039	02	4.0	21	SF		3	E		57		
0312	RAMY	29	1745	1754	1804	S14	E69	7039	02	3.9	19	SF		3	E		22		
0313	RAMY	29	1749	1751	1811	S12	W03	7038	01	29.5	22	SF		3	E		12		
0314	HOLL	29	1830	1832	1850	S20	E55	7035	02	3.0	20	SF		3	E		32		
0315	HOLL	29	1928	1931	1940	S10	E28	7033	01	31.9	12	SF		3	E		15		F
0316	HOLL	29	1930	1944	2000	S15	E65	7039	02	3.7	30	SF		3	E		38		EF
0317	HOLL	29	1949	2012	2032	S12	W05	7038	01	29.4	43	SN		3	E		28		EF
0318	HOLL	29	2224	2226	2238	S11	E26	7033	01	31.9	14	SF		3	E		10		F
0319		29	22331	22352	2253	S04	E04	7031	01	30.2	20	SN	C 3.1				68		EF
	HOLL	29	2233	2235	2344D	S03	E01	7031	01	30.0	71D	SN	C 3.1	3	E		70		FE
	LEAR	29	2234	2237	2253	S04	E06	7031	01	30.4	19	SN		2	E		66		F
		29	2354		2400	No Flare Patrol													
		30	0000		0047	No Flare Patrol													
0320	LEAR	30	0008	0009	0014	S04	E10	7031	01	30.7	6	SF		3	E		17		
		30	0051		0054	No Flare Patrol													
0321	LEAR	30	0057	0058	0105	S11	W08	7038	01	29.4	8	SF		3	E		26		
0322		30	0125	01261	0132	S14	W46	7025	01	26.6	7	SF					62	1.3	DJ
	LEAR	30	0125	0126	0130	S14	W45	7025	01	26.6	5	SF		3	E		34		
	VORO	30	0125	0127	0134	S15	W47	7025	01	26.5	9	SF		1	C	0127	90	1.3	DJ
0323		30	02222	02316	0255	S02	W02	7031	01	29.9	33	2N	M 1.6				592	6.1	EF
	YUNN	30	0222	0234	0254	N01	W03	7031	01	29.9	32	2N			C		894	9.3	F
	LEAR	30	0223	0234	0315	S02	W02	7031	01	29.9	52	2N	M 1.6	3	E		594		FE
	PEKG	30	0223	0237	0245	S02	W03	7031	01	29.9	22	1B			P	0237	378	3.9	E
	WATU	30	0224	0231	0245	S02	W03	7031	01	29.9	21	SN			C	0231	90	0.9	
	KODA	30	0225E	0225U	0225D	S03	W01	7031	01	30.0	21D	2B			P	0225	1004	10.4	
0324	LEAR	30	0420	0432	0451	S10	E22	7033	01	31.8	31	SF	C 3.7	3	E		27		F
0325		30	06033	0608*	0645	S07	E02	7031	01	30.4	42	1N	C 3.9				170	2.4	FGKY
	LEAR	30	0603	0606U	0659	S07	E01	7031	01	30.3	56	1F	C 3.9	3	E		106		F
	LEAR	30	0603	0625	0659	S07	E01	7031	01	30.3	56	1F			E		111		K
	WATU	30	0605	0608	0616	S08	W00	7031	01	30.2	11	SF			C	0608	130	1.4	
	TACH	30	0606	0610	0646	S06	E04	7031	01	30.5	40	1B		2	C	0610	332	3.4	GY
0326	LEAR	30	0636	0654	0711	S11	E21	7033	01	31.8	35	2N		3	E		474		EF
0327		30	08002	08037	0818	S04	W03	7031	01	30.1	18	SF					66	1.6	EF
	SVTO	30	0728E	0731U	0819	S05	E00	7031	01	30.3	51D	SF		2	E		18		F
	HTPR	30	0800	0810	0815	S04	W02	7031	01	30.2	15	SF			C	0810	160	1.6	E
	LEAR	30	0802	0803	0821	S02	W06	7031	01	29.9	19	SF		3	E		20		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0328	SVTO	30	0826	0924	1146D	S13	E52	7039	02	3.3	200D	SF		3	E		67		
0329	HURB	30	0836	0838	0847	S02	W04	7031	01	30.0	11	2N							E
0330		30	08452	0849	0900	N06	W02	7037	01	30.2	15	SF	C 2.4				113	1.7	
	HTPR	30	0845	0849	0855	N05	W02	7037	01	30.2	10	SF			C	0849	170	1.7	
	LEAR	30	0847	0849	0904	N06	W01	7037	01	30.3	17	SF	C 2.4	3	E		56		
0331		30	09316	09377	0959	N07	W04	7037	01	30.1	28	1N					344	6.5	F
	HTPR	30	0931	0937	1005	N08	W06	7037	01	29.9	34	2B			C	0937	650	6.5	F
	SVTO	30	0937	0944	0953	N06	W03	7037	01	30.2	16	SF		3	E		38		
0332		30	09332	09384	0959	S04	W04	7031	01	30.1	26	2N	M 4.9				492		F
	SVTO	30	0933	0942	0945	S06	E00	7031	01	30.4	12	2B		3	E		481		
	KANZ	30	0935	0935U	0935D	S03	W06	7031	01	29.9	12D	SF		2	C				
	LEAR	30	0935	0938	1013	S03	W06	7031	01	29.9	38	2B	M 4.9	3	E		502		F
0333		30	10132	10162	1116	S12	W18	7038	01	29.1	63	SF					76	1.0	
	HTPR	30	1013	1016	1025D	S13	W23	7038	01	28.7	12D	SF			C	1016	100	1.0	
	SVTO	30	1015	1018	1116	S12	W12	7038	01	29.5	61	SF		2	E		53		
0334	SVTO	30	1025	1032	1048	N18	W17	7029	01	29.1	23	SF		3	E		21		
0335	SVTO	30	1044	1048	1116	S10	E18	7033	01	31.8	32	SF		2	E		41		
0336	SVTO	30	1127	1129	1134	N18	W17	7029	01	29.2	7	SF		2	E		32		
0337	KANZ	30	1128	1132	1156	S10	E21	7033B	02	1.0	28	SF		2	C				
0338		30	12044	12062	1236	S14	E57	7039	02	3.8	32	SF	C 5.2				45		F
	SVTO	30	1204	1206	1242	S14	E58	7039	02	3.9	38	SF		3	E		55		
	RAMY	30	1206	1207	1234	S15	E57	7039	02	3.8	28	SF	C 5.2	3	E		35		F
	KANZ	30	1208	1208	1232	S14	E55	7039	02	3.7	24	SF		2	C				
0339		30	12093	12352	1317	S10	E20	7033	02	1.0	68	SF					44		
	RAMY	30	1209	1235	1323	S11	E22	7033	02	1.2	74	SF		3	E		37		
	SVTO	30	1211	1237	1302	S10	E17	7033	01	31.8	51	SF		3	E		52		
	KANZ	30	1212	1236	1326	S10	E21	7033	02	1.1	74	SF		2	C				
0340		30	1318	13184	1330	S04	W06	7031	01	30.1	12	SF							
	KANZ	30	1318	1318	1322	S04	W09	7031	01	29.9	4	SF		2	C				
	KANZ	30	1318	1322	1337	S05	W03	7031	01	30.3	19	SF		2	C				
0341	KANZ	30	1341	1353	1357D	S10	E20	7033B	02	1.1	16D	SF		2	C				
0342	RAMY	30	1343	1345	1400	S04	W03	7031	01	30.3	17	SF		3	E		12		
0343		30	13563	1400	1443	S14	W46	7026	01	27.1	47	1F	M 1.8				237		FU
	SVTO	30	1356	1357U	1425D	S14	W43	7026	01	27.3	29D	2N		3	E		304		UF
	KANZ	30	1357	1357U	1503D	S14	W48	7026	01	26.9	66D	1F		2	C				
	RAMY	30	1359	1400	1443	S14	W47	7026	01	27.0	44	1F	M 1.8	3	E		170		F
0344	SVTO	30	1357	1413	1425D	S19	W54	7025	01	26.5	28D	1F		3	E		118		
0345		30	14181	14231	1431	S14	E80	7042	02	5.6	13	SF					22		
	RAMY	30	1418	1424	1431	S15	E80	7042	02	5.6	13	SF		3	E		22		
	KANZ	30	1419	1423	1431	S14	E80	7042	02	5.6	12	SF		2	C				
0346		30	14311	14332	1444	S10	E20	7033	02	1.1	13	SF					29		
	KANZ	30	1431	1435	1443	S10	E20	7033	02	1.1	12	SF		2	C				
	RAMY	30	1432	1433	1445	S11	E19	7033	02	1.0	13	SF		3	E		29		
0347	HOLL	30	1433E	1433U	1545D	S14	W45	7026	01	27.2	72D	1F		1	E		116		FH
0348	HOLL	30	1433E	1433U	1556	S17	E10	7030B	01	31.4	83D	SF		1	E		36		FH
0349	RAMY	30	1542	1543	1548	S11	E18	7033	02	1.0	6	SF		3	E		16		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0350		30	1558	1558	1606	S22	W77	7017	01	24.7	8	SF	C 7.0				34		H
	HOLL	30	1556E	1600U	1609	S22	W75	7017	01	24.9	13D	SF		3	E		49		H
	RAMY	30	1558	1558	1603	S21	W79	7017	01	24.6	5	SF	C 7.0	3	E		19		
0351		30	1656	17091	1730	S14	E85	7042	02	6.1	34	SN	M 1.6				34		
	HOLL	30	1656	1709	1729	S13	E84	7042	02	6.0	33	SN	M 1.6	3	E		43		
	RAMY	30	1656	1710	1730	S14	E86	7042	02	6.2	34	SF		3	E		25		
0352	HOLL	30	1702	1737	1751	S10	E18	7033	02	1.1	49	SF		3	E		21		
0353	HOLL	30	1750	1815	1833	S12	W17	7038	01	29.5	43	SF		3	E		20		
0354	HOLL	30	1924	1946	1959	S12	W18	7038	01	29.4	35	SF		3	E		25		F
0355		30	1935	1958*	2142	S07	W06	7031	01	30.4	127	2B	M 2.4				179		FKUZ
	HOLL	30	1935	1958	2142	S07	W06	7031	01	30.4	127	2B	M 2.4	4	E		217		ZU
	HOLL	30	1935	1958	2142	S07	W06	7031	01	30.4	127	2B			E		258		K
	PALE	30	2012E	2014	2204D	S07	W07	7031	01	30.3	112D	SN		4	E		62		F
0356	HOLL	30	1942	1951	2017	S11	E13	7033	01	31.8	35	SB		3	E		85		F
0357	HOLL	30	2015	2016	2033	S13	W16	7038	01	29.6	18	SF		3	E		30		F
0358	HOLL	30	2050	2056	2100	S13	E83	7042	02	6.1	10	SF		3	E		22		
0359	HOLL	30	2154	2155	2206	N06	W03	7030	01	30.7	12	SF		3	E		20		F
0360		30	23195	2324*	2414	S07	W08	7031	01	30.4	55	SF	C 8.4				95		FH
	LEAR	30	2319	2332	2431	S07	W09	7031	01	30.3	72	1F	C 8.4	3	E		153		F
	HOLL	30	2320	2324	2324D	S07	W08	7031	01	30.4	4D	SF		2	E		52		FH
	PALE	30	2324	2336	2358	S08	W08	7031	01	30.4	34	SF		3	E		79		F
0361	LEAR	31	0317	0337	0434	S23	E46	7035	02	3.7	77	SF		3	E		90		
0362	LEAR	31	0333	0337	0340	S05	W10	7031	01	30.4	7	SF		3	E		44		
0363	LEAR	31	0356	0401	0421	S05	W11	7031	01	30.3	25	SF		3	E		44		
0364	LEAR	31	0423	0447	0556	S06	W10	7031	01	30.4	93	SF		3	E		89		
0365	LEAR	31	0608	0610	0624	S13	E66	7042	02	5.2	16	SF	C 3.6	3	E		62		
0366	LEAR	31	0609	0610	0616	S27	E76	7044	02	6.2	7	SF		3	E		35		
0367	LEAR	31	0645	0710	0750	S28	E78	7044	02	6.4	65	SF		3	E		23		
0368		31	07015	07061	0822	S11	E08	7033	01	31.9	81	SF					26		F
	LEAR	31	0701	0706	0727	S11	E09	7033	02	1.0	26	SF		3	E		32		
	SVTO	31	0706	0707	0916	S11	E07	7033	01	31.8	130	SF		2	E		21		F
0369	SVTO	31	0901	0906	0909	N07	W06	7030	01	30.9	8	SF		3	E		41		
0370		31	09152	09211	0952	N06	W09	7030	01	30.7	37	SF					68		
	SVTO	31	0915	0922	1010	N07	W06	7030	01	30.9	55	SF		2	E		68		
	KANZ	31	0917	0921	0933	N05	W12	7030	01	30.5	16	SF		2	C				
0371		31	09401	09453	0956	S14	E68	7042	02	5.5	16	SN							
	HTPR	31	0940	0948	0958	S14	E67	7042	02	5.5	18	SB			C				
	KANZ	31	0941	0945	0953	S14	E68	7042	02	5.5	12	SF		2	C				
0372		31	11202	11242	1136	S02	W21	7031	01	29.9	16	SF					78	1.2	
	HTPR	31	1120	1124	1135	S02	W20	7031	01	30.0	15	SN			C	1124	110	1.2	
	KANZ	31	1121	1125	1137	S01	W22	7031	01	29.8	16	SF		2	C				
	SVTO	31	1122	1126	1136	S03	W20	7031	01	30.0	14	SF		2	E		47		

Hα SOLAR FLARES

JANUARY 1992

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0373		31	1216*	1220*	1334	S07	W15	7031	01	30.4	78	1F	C 5.9				176	3.0	FZ
	SVTO	31	1216	1220	1402	S09	W15	7031	01	30.4	106	SF	C 5.9	3	E		75		ZF
	HTPR	31	1217	1220	1230	S06	W16	7031	01	30.3	13	1F			C	1220	190	2.0	
	RAMY	31	1217	1246	1342	S07	W16	7031	01	30.3	85	SF		3	E		50		F
	KANZ	31	1218	1250	1356	S08	W17	7031	01	30.2	98	1F		2	C				
	HTPR	31	1245	1253	1340	S03	W13	7031	01	30.5	55	1N			C	1253	390	4.1	
0374	RAMY	31	1229	1235	1248	S16	E42	7039	02	3.7	19	SF		3	E		24		
0375	HOLL	31	1634	1636	1646	S08	W19	7031	01	30.3	12	SF		3	E		13		F
0376	RAMY	31	1738	1740	1745	S05	W19	7031	01	30.3	7	SF		3	E		16		F
0377		31	18012	18046	1824	S16	E38	7039	02	3.6	23	SF	C 4.6				38		F
	RAMY	31	1801	1810	1825	S16	E38	7039	02	3.6	24	SF	C 4.6	3	E		42		F
	PALE	31	1803	1804	1824	S15	E38	7039	02	3.6	21	SF		1	E		35		F
0378		31	1850	1855	2014	N07	W24	7037	01	30.0	84	1N	M 1.5				156		FU
	PALE	31	1850	1855	1948	N07	W25	7037	01	29.9	58	1N	M 1.5	3	E		222		UF
	HOLL	31	1929E	1929U	2039	N07	W24	7037	01	30.0	70D	SF		2	E		90		U
0379		31	1912	1916	1952	S03	W21	7031	01	30.2	40	1F	M 1.9				160		F
	PALE	31	1912	1916	1947	S03	W24	7031	01	30.0	35	1F	M 1.9	3	E		173		F
	RAMY	31	1917E	1917U	1935	S03	W21	7031	01	30.2	18D	1F		3	E		172		F
	HOLL	31	1929E	1929U	2015	S03	W19	7031	01	30.4	46D	1F		2	E		136		F
0380	HOLL	31	2218E	2220	2228	N18	W41	7029	01	28.8	10D	SF		2	E		37		

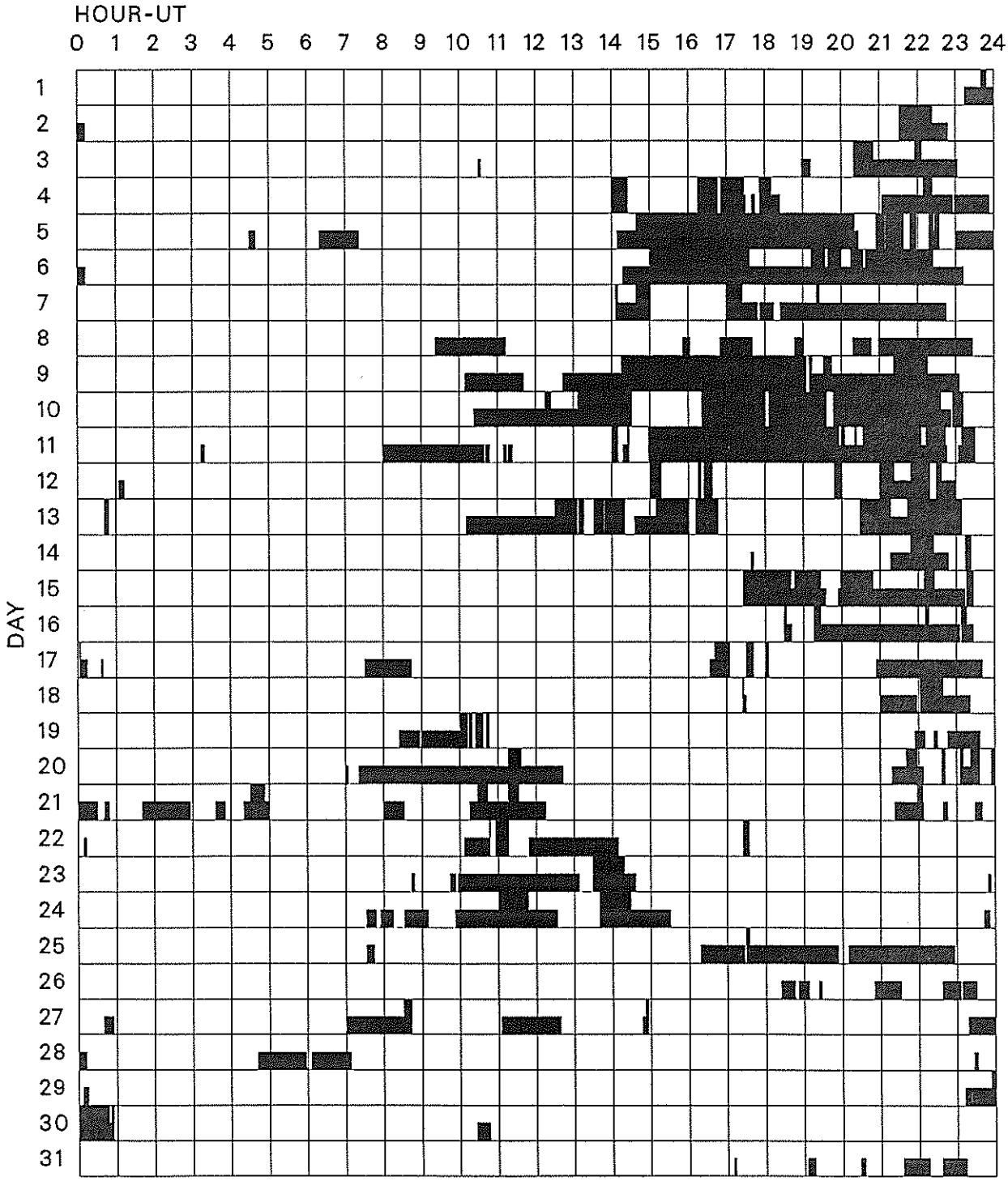
"Remarks"

A = Eruptive prominence whose base is less than 90 degrees from central meridian.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No visible spots in the neighborhood.
H = Flare accompanied by high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
P = Flare shows Helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

INTERVALS OF NO FLARE PATROL OBSERVATION
FOR PRECEDING SOLAR FLARE TABLE

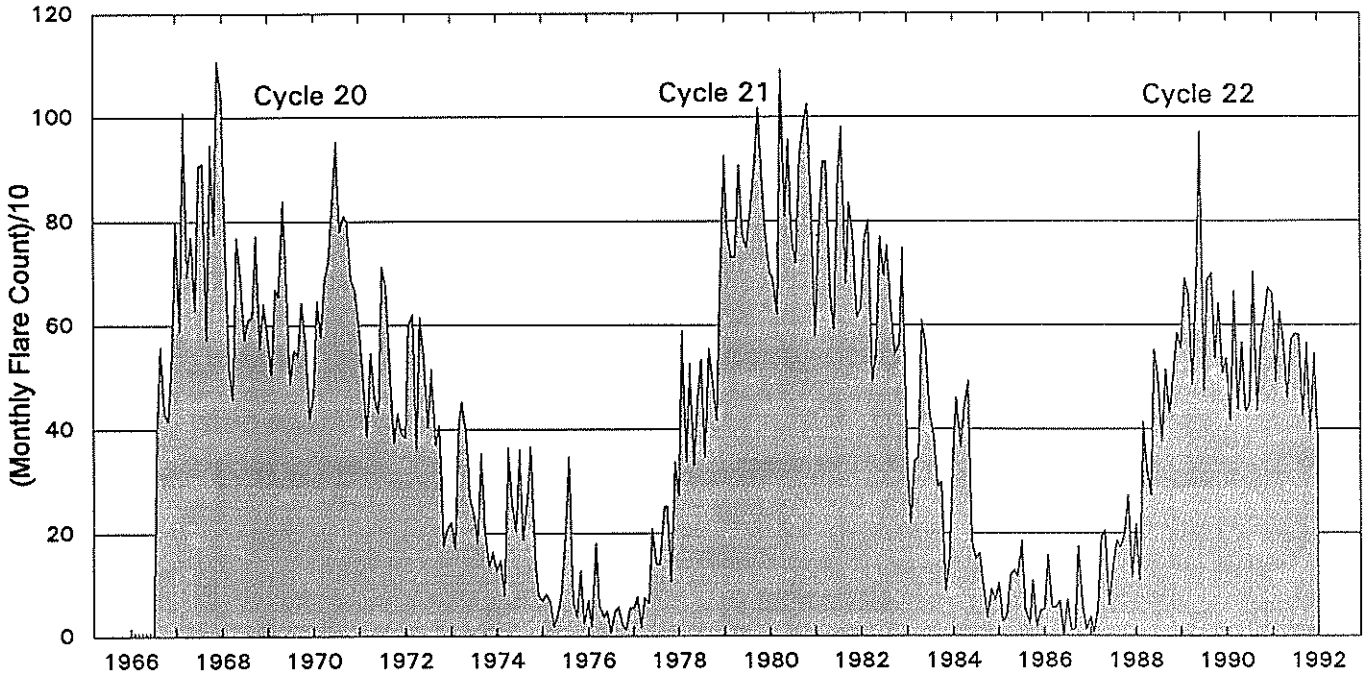
JANUARY 1992



Times of no flare patrol, shown here as shaded areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual nor cinematographic); portions of a panel with only the bottom half shaded mark times of only visual patrol.

Abastumani	Holloman	Kanzelhoehe	Ondrejov	Tashkent
Athens	Hurbanovo	Kharkov	Palehua	Urumqi
Bucharest	Istanbul	Kodaikanal	Peking	Voroshilov
Haute Provence	Kandilli	Learmonth	Ramey	Watukosek
		Mitaka	San Vito	Yunnan

Monthly Counts of Grouped Solar Flares



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1966	--	--	--	--	--	--	--	391	558	432	417	543	2341
1967	796	589	1009	694	771	629	907	911	573	946	775	1109	9709
1968	1037	773	519	460	768	697	573	611	616	772	556	640	8022
1969	581	504	669	655	839	694	489	551	540	643	566	422	7153
1970	466	646	578	688	722	836	954	780	811	797	687	667	8632
1971	598	505	387	546	461	430	713	673	518	375	431	394	6031
1972	384	599	621	361	614	541	404	515	371	408	175	210	5203
1973	221	171	410	453	388	270	232	182	353	201	136	163	3180
1974	127	148	79	364	255	204	360	187	270	366	153	81	2594
1975	68	82	69	19	42	85	196	346	68	38	127	25	1165
1976	69	18	180	60	38	48	6	47	57	23	13	55	614
1977	54	77	18	76	64	210	140	140	250	252	107	336	1724
1978	274	588	338	526	330	460	533	346	554	499	418	648	5514
1979	926	781	731	731	907	772	750	821	901	1018	888	786	10012
1980	703	689	621	1092	811	956	763	720	924	988	1027	838	10132
1981	578	782	914	915	658	592	893	982	680	836	773	615	9218
1982	631	766	803	490	553	769	696	753	615	544	564	748	7932
1983	332	220	337	346	609	561	427	389	289	298	88	152	4048
1984	353	461	366	440	492	185	151	161	95	36	92	69	2901
1985	104	29	38	119	129	116	185	53	25	108	19	50	975
1986	51	158	54	56	68	3	71	12	14	174	56	13	730
1987	36	7	52	192	205	61	132	185	172	198	273	114	1627
1988	217	109	413	328	274	551	502	375	513	429	508	584	4803
1989	689	539	658	485	686	971	473	684	699	535	640	507	7566
1990	536	415	664	439	565	433	447	703	436	569	619	672	6498
1991	659	491	625	570	458	573	582	581	425	565	396	544	6469
1992	380												380

Monthly totals for the last 6 months may change significantly, as more stations submit their reports. The term "grouped" means that observations of the same event by different sites have been lumped together and counted as one.

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JANUARY 1992

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
01	204	IZMI	43	NS	0700.0		300.0	10.0			
	127	TORN	43	NS	0742.0	0828.4	380.0	770.0	2.0		V=1
	245	SGMR	44	NS	1416.0E	1748.0	398.0D	180.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	1728.0E	2038.0	348.0D	150.0			QL=2 ST=2 TYP=1
	100	HIRA	44	NS	2155.0E	0049.0	550.0D	15.0	5.0		0
	200	HIRA	44	NS	2155.0E	0110.0	550.0D	80.0	18.0		MR
	245	LEAR	8	S	0246.0E	0248.0	2.0D	77.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0305.0E	0307.0	19.0D	210.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0306.0E	0306.0	2.0D	88.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0306.0E	0308.0	1254.0D	48.0			QL=4 ST=1 TYP=3
	2840	PEKG	45	C	0320.0	0330.3	40.0	212.0			
	4995	PALE	4	S/F	0325.0E	0329.0	13.0D	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0327.0E	0330.0	9.0D	170.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0327.0E	0330.0	7.0D	150.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0328.0E	0330.0	3.0D	52.0			QL=2 ST=2 TYP=3
	15400	LEAR	4	S/F	0328.0E	0330.0	7.0D	220.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0328.0E	0330.0	7.0D	170.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	0328.0E	0330.0	5.0D	73.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0328.0E	0330.0	6.0D	130.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0328.0E	0330.0	10.0D	140.0			QL=4 ST=2 TYP=5
	610	PALE	8	S	0330.0E	0330.0	1.0D	36.0			QL=2 ST=2 TYP=3
	100	HIRA	42	SER	0342.0		19.0	1000.0D			
	200	HIRA	46	C	0343.7	0344.8	7.0	150.0	40.0		0
	100	HIRA	42	SER	0435.8		13.0	1000.0D			
	5900	KISV	2	S/F	0622.6	0624.3	3.8	9.0			
	204	IZMI	41	F	0703.0	0704.0	2.5	350.0			
	127	TORN	4	S/F	0738.1	0739.0	2.0	250.0	40.0		
	11800	BERN	3	S	0900.1	0911.1	56.9	1.6			
	5200	BERN	46	C	0900.3	0931.9	48.6	2.4			
	5900	KISV	4	S/F	0900.4	0901.1	14.0	24.0			
	5900	KISV	29	PBI	0900.4	0914.4	15.6	13.0			
	8400	BERN	46	C	0900.5	0931.8	54.2	3.5			
	3100	BERN	46	C	0902.8	0931.8	45.7	4.2			
	204	IZMI	41	F	0930.0	0931.0	5.0	80.0			
	5900	KISV	4	S/F	0930.3	0931.9	2.9	21.0			
	2695	SVTO	8	S	0931.0E	0931.0	1.0D	64.0			QL=4 ST=2 TYP=3
	3013	IZMI	5	S	0931.2	0932.0	20.0	8.0	4.0		
	260	ONDR	40	F	1000.0	1127.3	190.0	511.0			
	245	LEAR	4	S/F	1023.0E	1024.0	5.0D	94.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	1029.0	1029.4	4.0	380.0			
	11800	BERN	46	C	1123.6	1127.5	30.6	26.9			
	8400	BERN	46	C	1123.6	1127.6	31.3U	19.0			
	35000	BERN	4	S/F	1123.7	1127.5	22.7	31.0			
	5200	BERN	46	C	1123.7	1127.5	31.2U	9.7			
	5900	KISV	45	C	1123.9	1125.0		100.0			
	3100	BERN	4	S/F	1123.9	1127.2	30.9U	5.9			
	5900	KISV	45	C	1123.9	1127.6	12.9	101.0			
	9300	KISV	46	C	1124.0	1125.0		40.0			
	15400	SVTO	4	S/F	1124.0E	1127.0	5.0D	350.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1124.0E	1127.0	5.0D	200.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1124.0E	1127.0	5.0D	86.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1124.0E	1127.0	5.0D	120.0			QL=4 ST=2 TYP=5
	3013	IZMI	41	F	1124.0	1127.2	5.0	55.0			
	9300	KISV	30	PBI	1124.0	1129.2	24.8	8.0			
	50000	BERN	4	S/F	1124.0	1127.6	14.4	25.9			
	9300	KISV	46	C	1124.0	1127.7	5.2	67.0			
	19600	BERN	46	C	1124.2	1127.2	30.6U	31.4			
	127	TORN	47	GB	1125.8	1127.0U	4.0	890.0D	230.0		
	204	IZMI	41	F	1126.0	1127.0	4.0	2500.0			
	245	SVTO	49	GB	1126.0E	1126.0	1.0D	1000.0			QL=2 ST=2 TYP=6
	536	ONDR	2	S/F	1126.2	1127.5	3.0	28.0			
	600	HUMN	1	S	1126.5	1128.0	5.5	12.0	4.0		
	808	ONDR	7	C	1126.5	1126.5	6.0	25.0			
	1415	SVTO	8	S	1127.0E	1127.0	1.0D	45.0			QL=4 ST=2 TYP=3
	33	UPIC	46	C	1127.0	1128.1	2.9				
	127	TORN	46	C	1131.3	1132.2	5.0	390.0	40.0		
	33	UPIC	45	C	1137.6	1138.3	1.5				
	5900	KISV	45	C	1142.9	1147.2		19.0			
	5900	KISV	45	C	1142.9	1148.2	10.1	25.0			

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JANUARY 1992

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
01	9300	KISV	2	S/F	1146.8	1148.2	2.8	5.0			
	5900	KISV	2	S/F	1159.0	1200.0		9.0			
	245	SGMR	49	GB	1251.0E	1254.0	3.0D	530.0			QL=2 ST=2 TYP=6
	127	TORN	4	S/F	1251.3	1252.5	2.0	600.0	70.0		
	245	SGMR	8	S	1412.0E	1412.0	1.0D	180.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1515.0E	1515.0	3.0D	170.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1940.0E	1940.0	1.0D	90.0			QL=2 ST=2 TYP=3
	610	PALE	4	S/F	1958.0E	2003.0	6.0D	230.0			QL=2 ST=2 TYP=5
	2695	PALE	8	S	1959.0E	2000.0	1.0D	27.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1959.0E	2000.0	1.0D	25.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1959.0E	1959.0	1.0D	49.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1959.0E	1959.0	1.0D	63.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1959.0E	2003.0	5.0D	31.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1959.0E	2003.0	5.0D	280.0			QL=2 ST=2 TYP=3
	1415	SGMR	4	S/F	1959.0E	2003.0	6.0D	49.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1959.0E	2003.0	5.0D	34.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2000.0E	2000.0	U	22.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2003.0E	2003.0	U	33.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2022.0E	2023.0	1.0D	87.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2022.0E	2023.0	1.0D	86.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	2022.0E	2023.0	1.0D	45.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	2022.0E	2023.0	1.0D	42.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2030.0E	2033.0	8.0D	340.0			QL=2 ST=2 TYP=3
	1415	PALE	4	S/F	2031.0E	2032.0	7.0D	390.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	2031.0E	2032.0	7.0D	1300.0			QL=2 ST=2 TYP=6
	4995	PALE	49	GB	2031.0E	2032.0	7.0D	630.0			QL=4 ST=2 TYP=6
	8800	PALE	49	GB	2031.0E	2032.0	6.0D	630.0			QL=4 ST=2 TYP=6
	1415	SGMR	4	S/F	2031.0E	2032.0	6.0D	220.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	2031.0E	2032.0	6.0D	270.0			QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	2031.0E	2032.0	6.0D	180.0			QL=2 ST=2 TYP=3
	410	SGMR	49	GB	2031.0E	2032.0	6.0D	1500.0			QL=2 ST=2 TYP=6
	610	SGMR	49	GB	2031.0E	2032.0	6.0D	990.0			QL=2 ST=2 TYP=6
	8800	SGMR	4	S/F	2031.0E	2032.0	6.0D	200.0			QL=2 ST=2 TYP=3
	2800	PENT	47	GB	2031.2	2032.7	11.0	538.0	103.0		
	2800	PENT	3	S	2042.6	2044.5	7.2	37.1	13.0		
	8800	PALE	4	S/F	2044.0E	2044.0	6.0D	23.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	2044.0E	2044.0	6.0D	36.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2044.0E	2044.0	5.0D	120.0			QL=2 ST=2 TYP=3
	410	PALE	4	S/F	2044.0E	2044.0	6.0D	31.0			QL=2 ST=2 TYP=3
	2695	PALE	4	S/F	2044.0E	2044.0	3.0D	50.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	2044.0E	2044.0	3.0D	40.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2215.0E	2216.0	2.0D	34.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2215.0E	2216.0	2.0D	40.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2215.0E	2216.0	3.0D	140.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2215.0E	2216.0	2.0D	49.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2216.0E	2217.0	1.0D	29.0			QL=4 ST=2 TYP=3
02	245	LEAR	44	NS	0015.0E	0334.0	392.0D	170.0			QL=2 ST=2 TYP=1
	245	SVTO	44	NS	0636.0E	0636.0	24.0D	180.0			QL=2 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	10.0			
	127	TORN	43	NS	0720.0		400.0		1.0		V=1
	200	HIRA	44	NS	2155.0E	2313.0	550.0D	40.0	20.0		WL
	245	PALE	4	S/F	0222.0E	0224.0	3.0D	88.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	0222.0E	0224.0	2.0D	31.0			QL=2 ST=2 TYP=3
	100	HIRA	46	C	0504.8		2.0	1000.0D			
	8800	LEAR	8	S	0505.0E	0505.0	2.0D	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0505.0E	0505.0	U	420.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0505.0E	0505.0	1.0D	65.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0505.0E	0505.0	1.0D	73.0			QL=4 ST=2 TYP=3
	200	HIRA	46	C	0505.3	0505.3	1.3	700.0	80.0		WR
	2695	LEAR	8	S	0506.0E	0506.0	U	24.0			QL=4 ST=2 TYP=3
	9300	KISV	2	S/F	0605.1	0605.8	4.4	5.0			
	9300	KISV	2	S/F	0611.9	0613.6	4.9	4.0			
	9300	KISV	2	S/F	0621.9	0623.6	3.8	11.0			
	5900	KISV	2	S/F	0623.0	0623.5	1.8	13.0			
	9300	KISV	25	R	0649.5	0707.0		28.0			
	1415	SVTO	4	S/F	0650.0E	0652.0	4.0D	97.0			QL=2 ST=2 TYP=3
	410	LEAR	49	GB	0651.0E	0652.0	2.0D	630.0			QL=4 ST=2 TYP=6
	4995	LEAR	4	S/F	0651.0E	0652.0	3.0D	160.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
02	8800	LEAR	8	S	0651.0E	0652.0	2.0D	83.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0651.0E	0652.0	3.0D	180.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0651.0E	0652.0	2.0D	330.0			QL=2 ST=2 TYP=3
	2695	SVTO	4	S/F	0651.0E	0652.0	5.0D	150.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	0651.0E	0652.0	2.0D	110.0			QL=2 ST=2 TYP=3
	3013	IZMI	7	C	0651.0	0652.5	10.0	200.0			
	5900	KISV	47	GB	0651.0	0652.8	6.3	203.0			
	100	HIRA	46	C	0651.1		9.0	1000.0D			
	200	HIRA	42	SER	0651.4	0655.3	4.5	1700.0			0
	9300	KISV	4	S/F	0651.4	0652.7	5.3	112.0			
	204	IZMI	45	C	0651.5	0655.7	6.0	1500.0			
	2850	CRIM	30	PBI	0651.6	0654.0	3.8	39.0	13.0		
	2850	CRIM	4	S/F	0651.6	0652.8	24.0	192.0	64.0		
	1415	LEAR	8	S	0652.0E	0652.0	2.0D	56.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0652.0E	0652.0	U	47.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0652.0E	0653.0	2.0D	48.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0652.0E	0652.0	U	35.0			QL=2 ST=2 TYP=3
	610	SVTO	8	S	0652.0E	0652.0	1.0D	54.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	0654.0E	0655.0	2.0D	1000.0			QL=2 ST=2 TYP=6
	9300	KISV	2	S/F	0700.7	0702.0	3.3	9.0			
	5900	KISV	2	S/F	0700.7	0701.9	2.0	13.0			
	260	ONDR	40	F	1010.0	1301.0	190.0	51.0			
	9300	KISV	21	GRF	1013.1	1021.5	31.4	7.0			
	3100	BERN	4	S/F	1210.8	1218.2	34.3	4.1			
	5200	BERN	4	S/F	1211.0	1219.3	35.1	5.3			
	8400	BERN	4	S/F	1213.0	1219.2	31.4	6.4			
	11800	BERN	4	S/F	1215.9	1219.3	25.4	5.4			
	19600	BERN	46	C	1216.6	1219.2	30.8U	2.8			
	8800	SVTO	8	S	1217.0E	1219.0	2.0D	32.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1217.0E	1218.0	2.0D	51.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1217.0E	1219.0	3.0D	50.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1217.0E	1219.0	3.0D	61.0			QL=4 ST=2 TYP=3
	35000	BERN	3	S	1217.6	1231.8	29.7U	2.6			
	600	HUMN	2	S/F	1325.5	1326.5	2.0	10.0	4.0		
	410	SGMR	49	GB	1355.0E	1357.0	2.0D	3100.0			QL=2 ST=2 TYP=6
	410	SVTO	49	GB	1355.0E	1357.0	2.0D	1900.0			QL=4 ST=2 TYP=6
	600	HUMN	2	S/F	1356.5	1357.4	1.7	45.0	6.0		
	610	SGMR	8	S	1357.0E	1357.0	U	87.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1429.0E	1429.0	1.0D	51.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1458.0E	1459.0	2.0D	540.0			QL=2 ST=3 TYP=6
	245	SVTO	8	S	1459.0E	1459.0	U	330.0			QL=2 ST=2 TYP=3
	245	SGMR	49	GB	1551.0E	1551.0	1.0D	1100.0			QL=2 ST=3 TYP=7
	245	SGMR	49	GB	1730.0E	1730.0	1.0D	1400.0			QL=2 ST=2 TYP=6
	410	SGMR	8	S	1731.0E	1731.0	U	61.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1746.0E	1747.0	1.0D	51.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1926.0E	1927.0	2.0D	390.0			QL=2 ST=2 TYP=3
	1415	PALE	8	S	1927.0E	1928.0	1.0D	41.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1927.0E	1928.0	1.0D	30.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	1927.0E	1928.0	1.0D	220.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	1927.0E	1928.0	1.0D	86.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1927.0E	1927.0	1.0D	380.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1927.0E	1928.0	1.0D	290.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1927.0E	1928.0	1.0D	81.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1927.0E	1928.0	1.0D	36.0			QL=2 ST=2 TYP=3
	1415	SGMR	8	S	1927.0E	1928.0	1.0D	35.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1927.0E	1928.0	1.0D	58.0			QL=4 ST=2 TYP=3
	2800	PENT	4	S/F	1927.0	1928.4	5.4	70.2	9.0		
	245	PALE	8	S	1930.0E	1931.0	1.0D	360.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1930.0E	1931.0	1.0D	390.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2025.0E	2025.0	U	83.0			QL=2 ST=3 TYP=3
	245	SGMR	8	S	2025.0E	2025.0	U	77.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	2103.0E	2106.0	5.0D	100.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	2105.0E	2106.0	5.0D	47.0			QL=4 ST=2 TYP=3
	2800	PENT	3	S	2207.5	2211.7	8.9	60.9	20.0		
	245	LEAR	8	S	2213.0E	2213.0	1.0D	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2217.0E	2217.0	2.0D	110.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2316.0E	2317.0	1.0D	69.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2317.0E	2317.0	U	53.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
03	200	GORK	44	NS	0700.0E		270.0D		10.0		
	100	GORK	44	NS	0700.0E		270.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	10.0			
	127	TORN	44	NS	0700.0E		440.0D		4.0		V=1
	200	HIRA	44	NS	2155.0E	2241.0	360.0D	60.0	30.0		MR
	100	HIRA	44	NS	2155.0E	2233.0	360.0D	70.0	40.0		MR
	410	LEAR	8	S	0330.0E	0331.0	1.0D	490.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0330.0E	0331.0	1.0D	410.0			QL=2 ST=2 TYP=3
	2840	PEKG	1	S	0345.0	0347.0	6.0	8.3			
	245	LEAR	8	S	0405.0E	0406.0	1.0D	63.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0419.0	0420.7	4.0	5.5			
	245	LEAR	8	S	0540.0E	0540.0	1.0D	85.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0545.0	0549.2	8.0	24.6			
	5900	KISV	46	C	0611.7	0620.1		47.0			
	5900	KISV	46	C	0611.7	0614.6		33.0			
	5900	KISV	46	C	0611.7	0613.9	20.0	97.0			
	204	IZMI	42	SER	0709.0	0709.5	12.0	3000.0			
	245	LEAR	8	S	0711.0E	0711.0	U	90.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0713.0E	0713.0	4.0D	65.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0713.0E	0713.0	1.0D	87.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	0713.0E	0713.0	4.0D	83.0			QL=4 ST=2 TYP=5
	410	SVTO	8	S	0713.0E	0713.0	U	73.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0713.0E	0719.0	8.0D	63.0			QL=4 ST=2 TYP=5
	4995	SVTO	4	S/F	0713.0E	0713.0	7.0D	110.0			QL=4 ST=2 TYP=3
	3013	IZMI	7	C	0713.0	0714.0	13.0	9.0	5.0		
	2850	CRIM	46	C	0713.2	0714.0	9.5	86.0	24.0		
	9300	KISV	46	C	0713.2	0720.0	18.4	70.0			
	2850	CRIM	46	C	0713.2	0716.5		61.0			
	9300	KISV	46	C	0713.2	0714.6		34.0			
	9300	KISV	46	C	0713.2	0716.6		55.0			
	9300	KISV	46	C	0713.2	0713.9		32.0			
	2840	PEKG	45	C	0714.0	0715.1	12.0	80.1			
	410	LEAR	8	S	0715.0E	0716.0	1.0D	39.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0716.0E	0716.0	2.0D	37.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0716.0E	0717.0	2.0D	590.0			QL=4 ST=2 TYP=6
	15400	LEAR	8	S	0716.0E	0716.0	2.0D	62.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0716.0E	0716.0	U	31.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	0716.0E	0717.0	1.0D	690.0			QL=4 ST=2 TYP=6
	245	LEAR	8	S	0749.0E	0750.0	1.0D	52.0			QL=4 ST=2 TYP=3
	5900	KISV	21	GRF	0800.0	0803.4	14.6	13.0			
	8400	BERN	4	S/F	0832.6	0834.0	15.0U	2.2			
	11800	BERN	4	S/F	0832.6	0833.9	6.9	2.9			
	19600	BERN	3	S	0832.8	0833.9	2.9	1.9			
	9300	KISV	4	S/F	0832.9	0834.1	6.9	23.0			
	5900	KISV	2	S/F	0833.3	0834.0	2.5	9.0			
	5900	KISV	23	GRF	0851.2	0935.3	122.4	55.0			
	9300	KISV	23	GRF	0851.2	0942.3	149.2	61.0			
	3013	IZMI	5	S	0852.0	0854.0	4.0	9.0	5.0		
	2850	CRIM	29	PBI	0852.0	0855.3	8.0	4.7	1.0		
	2850	CRIM	1	S	0852.0	0853.5	3.3	11.0	3.0		
	5900	KISV	2	S/F	0853.0	0859.2	7.5	7.0			
	5900	KISV	1	S	0906.0	0906.4	1.2	6.0			
	2850	CRIM	20	GRF	0909.0	0935.5	46.0	21.0	7.0		
	11800	BERN	3	S	0912.6	0945.0	81.3	3.7			
	8400	BERN	3	S	0914.4	0935.4	83.7U	5.0			
	3013	IZMI	5	S	0932.0	0935.5	10.0	14.0	7.0		
	9300	KISV	2	S/F	0934.2	0935.8	6.7	12.0			
	204	IZMI	5	S	0955.0	0955.5	0.5	75.0	40.0		
	260	ONDR	41	F	1015.0	1020.5	190.0	126.0			
	9300	KISV	2	S/F	1042.0	1043.0	6.0	16.0			
	11800	BERN	3	S	1042.4	1043.0	2.8	2.2			
	8400	BERN	3	S	1042.4	1042.9	5.1	1.2			
	19600	BERN	3	S	1042.5	1042.9	2.9	3.9			
	35000	BERN	3	S	1042.6	1043.0	2.0	3.8			
	35000	BERN	3	S	1042.6	1043.0	1.0	3.9			
	9100	GORK	2	S/F	1142.8	1143.0	2.5	16.0			
	260	ONDR	42	SER	1236.0	1243.0	8.0	120.0			
	245	SGMR	8	S	1242.0E	1243.0	2.0D	75.0			QL=2 ST=2 TYP=3
	410	SGMR	4	S/F	1243.0E	1244.0	7.0D	78.0			QL=2 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
03	33	UPIC	2	S/F	1300.3	1300.5	0.8				
	245	SGMR	8	S	1607.0E	1608.0	1.0D	87.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1658.0E	1700.0	1.0D	34.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1658.0E	1700.0	4.0D	51.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1659.0E	1700.0	3.0D	50.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1700.0E	1700.0	U	26.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1713.0E	1714.0	2.0D	150.0			QL=4 ST=3 TYP=3
	8800	SGMR	8	S	1713.0E	1714.0	2.0D	99.0			QL=4 ST=3 TYP=3
	4995	SGMR	8	S	1713.0E	1714.0	2.0D	110.0			QL=4 ST=3 TYP=3
	2800	PENT	4	S/F	1730.2	1758.3	45.9	182.6	57.0		
	2695	PALE	4	S/F	1733.0E	1758.0	80.0D	260.0			QL=4 ST=2 TYP=5
	4995	PALE	4	S/F	1733.0E	1758.0	80.0D	190.0			QL=4 ST=2 TYP=5
	1415	PALE	4	S/F	1737.0E	1758.0	69.0D	190.0			QL=4 ST=2 TYP=5
	4995	SGMR	4	S/F	1741.0E	1758.0	42.0D	160.0			QL=4 ST=2 TYP=5
	2695	SGMR	4	S/F	1741.0E	1758.0	48.0D	220.0			QL=4 ST=2 TYP=5
	1415	SGMR	4	S/F	1741.0E	1759.0	53.0D	190.0			QL=4 ST=2 TYP=5
	410	PALE	49	GB	1743.0E	1744.0	28.0D	870.0			QL=2 ST=2 TYP=6
	610	SGMR	4	S/F	1750.0E	1800.0	24.0D	110.0			QL=2 ST=2 TYP=3
	8800	SGMR	20	GRF	1752.0E	1758.0	27.0D	61.0			QL=4 ST=2 TYP=2
	610	PALE	4	S/F	1755.0E	1759.0	27.0D	120.0			QL=2 ST=2 TYP=3
	15400	SGMR	4	S/F	1755.0E	1759.0	42.0D	41.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	1757.0E	1801.0	19.0D	33.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1850.0E	1851.0	1.0D	52.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1850.0E	1851.0	1.0D	67.0			QL=2 ST=2 TYP=3
	610	PALE	4	S/F	2207.0E	2213.0	8.0D	39.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	2207.0E	2209.0	6.0D	340.0			QL=2 ST=2 TYP=3
	410	PALE	4	S/F	2207.0E	2214.0	8.0D	42.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2208.0E	2209.0	1.0D	200.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	2208.0E	2209.0	3.0D	27.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	2208.0E	2210.0	5.0D	26.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2209.0E	2209.0	1.0D	24.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2209.0E	2209.0	1.0D	36.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	2209.0E	2209.0	U	33.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	2209.0E	2209.0	U	33.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	2209.0E	2209.0	1.0D	13.0			QL=4 ST=2 TYP=3
04	200	GORK	44	NS	0700.0E		270.0D		10.0		
	100	GORK	44	NS	0700.0E		270.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	10.0			
	127	TORN	43	NS	0715.0		425.0		17.0		V=2
	245	SGMR	44	NS	1439.0E	1614.0	357.0D	210.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2155.0E	2330.0	570.0D	60.0	30.0		ML
	245	LEAR	44	NS	2355.0E	2255.0	5.0D	100.0			QL=4 ST=2 TYP=1
	2840	PEKG	3	S	0048.0	0049.0	4.0	22.8			
	410	PALE	8	S	0340.0E	0340.0	2.0D	59.0			QL=2 ST=2 TYP=3
	200	HIRA	46	C	0605.2	0605.8	2.5	100.0	25.0		WR
	245	LEAR	8	S	0727.0E	0728.0	1.0D	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0727.0E	0727.0	2.0D	130.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0727.0E	0727.0	1.0D	140.0			QL=4 ST=2 TYP=3
	100	GORK	4	S/F	0727.8	0727.9	1.2	8800.0			
	204	IZMI	4	S/F	0729.0	0729.6	0.8	48.0	25.0		
	204	IZMI	8	S	0736.2	0736.5	0.3	91.0	80.0		
	127	TORN	7	C	0753.4	0754.0	2.0	1200.0D	200.0		
	100	GORK	42	SER	0923.4	0954.0	126.6	4300.0			
	100	GORK	42	SER	0934.2	1036.8		4500.0			
	650	GORK	2	S/F	0938.0	0938.6	1.1	10.0			
	950	GORK	1	S	0938.1	0938.6	0.9	2.0			
	204	IZMI	5	S	0942.5	0942.7	0.5	72.0	35.0		
	245	LEAR	8	S	0958.0E	0958.0	U	62.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0958.0E	0958.0	1.0D	63.0			QL=4 ST=2 TYP=3
	260	ONDR	40	F	1010.0	1128.0	195.0	73.0			
	33	UPIC	42	SER	1028.5	1037.1	15.4				
	5900	KISV	2	S/F	1056.2	1057.2	2.2	15.0			
	9100	GORK	22	GRF	1100.0U	1115.2		29.0			
	3013	IZMI	7	C	1106.0	1113.0	20.0	106.0	50.0		
	8400	BERN	3	S	1106.1	1112.6	36.6	2.3			
	5200	BERN	4	S/F	1106.8	1202.4	95.6U	2.0			
	3100	BERN	3	S	1106.8	1112.6	95.9U	2.5			
	2950	GORK	23	GRF	1107.3	1115.8	19.4	6.0			

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
04	19600	BERN	3	S	1108.4	1132.9	94.4U	2.7			
	2850	CRIM	3	S	1109.0	1113.0	6.0	43.0	14.0		
	2850	CRIM	29	PBI	1109.0	1115.0	60.0	14.0	4.0		
	2950	GORK	4	S/F	1109.0	1113.2	6.0	30.0			
	950	GORK	2	S/F	1109.4	1115.8	6.9	8.0			
	11800	BERN	3	S	1109.4	1113.8	41.8	1.7			
	5900	KISV	22	GRF	1110.6	1112.9	39.4	28.0			
	9300	KISV	22	GRF	1110.7	1112.9	47.3	27.0			
	2695	SVTO	4	S/F	1111.0E	1112.0	3.0D	50.0			QL=4 ST=2 TYP=3
	35000	BERN	3	S	1111.5	1131.7	51.5	5.0			
	8800	SVTO	8	S	1112.0E	1112.0	1.0D	20.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1112.0E	1113.0	9.0D	32.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1112.0E	1114.0	3.0D	28.0			QL=4 ST=2 TYP=3
	650	GORK	4	S/F	1115.3	1115.7	1.1	16.0			
	33	UPIC	45	C	1200.2	1200.4	0.9				
	245	SGMR	8	S	1327.0E	1327.0	1.0D	84.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1342.0E	1343.0	1.0D	74.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1342.0E	1343.0	1.0D	160.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1343.0E	1343.0	U	170.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1343.0E	1343.0	U	78.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1343.0E	1343.0	U	47.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1431.0E	1431.0	1.0D	170.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1431.0E	1431.0	U	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1713.0E	1713.0	1.0D	490.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1713.0E	1713.0	1.0D	120.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	1755.0E	1756.0	3.0D	67.0			QL=2 ST=2 TYP=3
	4995	PALE	4	S/F	1828.0E	1832.0	8.0D	200.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	1828.0E	1833.0	8.0D	210.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	1828.0E	1832.0	8.0D	820.0			QL=2 ST=2 TYP=6
	2695	PALE	4	S/F	1828.0E	1832.0	8.0D	290.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1829.0E	1832.0	7.0D	85.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	1829.0E	1832.0	7.0D	1500.0			QL=2 ST=2 TYP=6
	1415	SGMR	4	S/F	1830.0E	1832.0	6.0D	220.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1830.0E	1832.0	6.0D	290.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1830.0E	1832.0	5.0D	160.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1831.0E	1832.0	2.0D	1000.0			QL=2 ST=2 TYP=6
	245	SGMR	49	GB	1831.0E	1832.0	2.0D	1400.0			QL=2 ST=2 TYP=6
	8800	SGMR	8	S	1831.0E	1832.0	2.0D	88.0			QL=2 ST=2 TYP=3
	610	SGMR	49	GB	1832.0E	1832.0	3.0D	1100.0			QL=2 ST=2 TYP=6
	410	SGMR	49	GB	1832.0E	1832.0	1.0D	860.0			QL=2 ST=2 TYP=6
	245	PALE	8	S	1855.0E	1855.0	U	67.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2003.0E	2004.0	1.0D	97.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	2008.0E	2008.0	1.0D	280.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2008.0E	2009.0	1.0D	43.0			QL=2 ST=2 TYP=3
	610	PALE	4	S/F	2008.0E	2008.0	4.0D	14.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	2008.0E	2008.0	1.0D	190.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	2008.0E	2009.0	1.0D	60.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2046.0E	2046.0	U	50.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2057.0E	2058.0	1.0D	50.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2134.0E	2134.0	1.0D	62.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2152.0E	2152.0	U	100.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2205.0E	2206.0	1.0D	60.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2205.0E	2206.0	1.0D	82.0			QL=2 ST=3 TYP=3
	245	LEAR	8	S	2232.0E	2232.0	1.0D	59.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2232.0E	2232.0	1.0D	85.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	2252.0E	2256.0	4.0D	160.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2304.0E	2305.0	2.0D	58.0			QL=2 ST=2 TYP=3
05	100	GORK	44	NS	0700.0E		270.0D		5.0		
	200	GORK	44	NS	0700.0E		270.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	20.0			
	127	TORN	43	NS	0740.0		400.0		5.0		V=2
	245	SGMR	44	NS	1336.0E	1408.0	429.0D	280.0			QL=2 ST=3 TYP=1
	245	PALE	43	NS	1729.0	0118.0	617.0D	470.0			QL=2 ST=2 TYP=1
	100	HIRA	44	NS	2155.0E	0530.0	570.0D	200.0	30.0		ML
	200	HIRA	44	NS	2155.0E	0250.0	570.0D	100.0	60.0		SL
	245	LEAR	43	NS	2202.0	0015.0	637.0D	250.0			QL=4 ST=2 TYP=1
	2840	PEKG	20	GRF	0215.0	0237.0	73.0	34.8			
	245	LEAR	8	S	0227.0E	0228.0	1.0D	69.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
05	245	PALE	8	S	0228.0E	0228.0	U	100.0			QL=2 ST=2 TYP=3
	4995	PALE	20	GRF	0243.0E	0250.0	23.0D	80.0			QL=4 ST=2 TYP=2
	2695	PALE	8	S	0250.0E	0250.0	1.0D	29.0			QL=4 ST=2 TYP=3
	5900	KISV	1	S	0708.6	0708.8	1.7	37.0			
	9300	KISV	1	S	0708.7	0708.8	1.8	20.0			
	9100	GORK	22	GRF	0735.3	0737.6	18.7	7.0			
	2950	GORK	22	GRF	0735.4	0743.7	22.3	4.0			
	9300	KISV	21	GRF	0854.2	0900.0	29.8	8.0			
	245	LEAR	8	S	0924.0E	0924.0	1.0D	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0924.0E	0925.0	2.0D	100.0			QL=4 ST=2 TYP=3
	260	ONDR	42	SER	1000.0	1003.8	30.0	114.0			
	204	IZMI	41	F	1007.0	1007.5	1.5	160.0			
	9300	KISV	21	GRF	1020.0	1024.9	12.7	11.0			
	5900	KISV	21	GRF	1020.5	1025.0	14.9	18.0			
	204	IZMI	42	SER	1106.5	1112.5	8.0	122.0			
	100	GORK	4	S/F	1125.4	1126.3	1.2	650.0			
	260	ONDR	41	F	1246.0	1316.5	44.0	227.0			
	2695	SVTO	4	S/F	1315.0E	1317.0	5.0D	100.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1315.0E	1316.0	1.0D	80.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1315.0E	1317.0	4.0D	42.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1315.0E	1316.0	5.0D	120.0			QL=4 ST=2 TYP=3
	1415	SVTO	8	S	1316.0E	1317.0	2.0D	42.0			QL=4 ST=2 TYP=3
	33	UPIC	45	C	1316.0	1316.1	1.9				
	245	SGMR	8	S	1317.0E	1317.0	U	380.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1317.0E	1317.0	2.0D	72.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1317.0E	1317.0	1.0D	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1317.0E	1317.0	U	260.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1340.0E	1340.0	1.0D	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1350.0E	1351.0	2.0D	360.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1351.0E	1351.0	U	430.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1356.0E	1356.0	3.0D	400.0			QL=2 ST=2 TYP=5
	245	SVTO	4	S/F	1356.0E	1356.0	3.0D	350.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1408.0E	1408.0	U	250.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1430.0E	1430.0	1.0D	470.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1430.0E	1431.0	2.0D	380.0			QL=2 ST=2 TYP=3
06	200	GORK	44	NS	0700.0E		240.0D		10.0		
	100	GORK	44	NS	0700.0E		240.0D		10.0		
	204	IZMI	43	NS	0700.0		300.0	20.0			
	127	TORN	44	NS	0700.0E		420.0D		5.0		V=1
	245	SVTO	44	NS	0735.0E	1116.0	386.0D	240.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	1303.5	210.0D	229.0			
	245	SGMR	44	NS	1238.0E	1624.0	682.0D	900.0			QL=2 ST=3 TYP=1
	245	PALE	44	NS	1739.0E	2125.0	607.0D	170.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2155.0E	2228.0	570.0D	250.0	80.0		SL
	100	HIRA	44	NS	2155.0E	2215.0	570.0D	800.0	400.0		SL
	245	LEAR	44	NS	2203.0E	2306.0	237.0D	91.0			QL=4 ST=2 TYP=1
	2840	PEKG	45	C	0340.0	0342.1	7.0	31.9			
	9300	KISV	21	GRF	0607.3	0628.6	48.8	12.0			
	5900	KISV	20	GRF	0626.1	0628.7	13.5	8.0			
	245	LEAR	49	GB	0653.0E	0653.0	U	610.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0653.0E	0653.0	1.0D	820.0			QL=2 ST=3 TYP=6
	204	IZMI	41	F	0727.7	0731.3	4.0	250.0			
	100	GORK	4	S/F	0730.0	0730.8	4.0	530.0			
	100	GORK	42	SER	0752.0	0824.1	188.0	3400.0			
	100	GORK	42	SER	0752.0	1041.4		1930.0			
	200	GORK	4	S/F	0822.5	0824.1	3.5	24150.0			
	245	LEAR	8	S	0823.0E	0824.0	1.0D	500.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0823.0	0824.1	3.0	10000.0			
	9100	GORK	2	S/F	0848.0	0848.7	2.2	6.0			
	245	LEAR	8	S	1007.0E	1008.0	1.0D	250.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1007.0E	1008.0	2.0D	260.0			QL=2 ST=2 TYP=3
	204	IZMI	41	F	1011.0	1020.3	13.0	180.0			
	204	IZMI	41	F	1040.0	1041.0	3.0	150.0			
	127	TORN	4	S/F	1040.2	1041.4	2.0	610.0	120.0		
	808	ONDR	2	S/F	1041.0	1042.0	3.0	42.0			
	204	IZMI	42	SER	1110.0	1111.3	34.0	200.0			
07	200	GORK	44	NS	0630.0E		300.0D		25.0		

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
07	100	GORK	44	NS	0630.0E		315.0D		10.0		
	245	LEAR	44	NS	0631.0E	0645.0	262.0D	190.0			QL=4 ST=2 TYP=1
	245	SVTO	44	NS	0644.0E	1101.0	391.0D	180.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	50.0			
	127	TORN	44	NS	0700.0E		440.0D		40.0		V=1
	260	ONDR	44	NS	1000.0E	1213.8	210.0D	57.0			
	245	SGMR	44	NS	1241.0E	1356.0	679.0D	180.0			QL=2 ST=3 TYP=1
	245	PALE	43	NS	1729.0	1954.0	617.0	160.0			QL=2 ST=2 TYP=1
	245	SGMR	44	NS	1910.0E	1915.0	93.0D	150.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2155.0E	2233.0	570.0D	100.0	40.0		SL
	100	HIRA	44	NS	2155.0E	0029.0	570.0D	270.0	130.0		ML
	245	LEAR	44	NS	2204.0E	0001.0	626.0D	250.0			QL=4 ST=2 TYP=1
	8800	PALE	49	GB	0110.0E	0114.0	4.0D	1300.0			QL=4 ST=2 TYP=7
	2840	PEKG	45	C	0312.0	0327.8	72.0	78.4			
	2695	LEAR	8	S	0405.0E	0406.0	1.0D	29.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0406.0E	0406.0	U	37.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0412.0E	0413.0	5.0D	93.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0412.0E	0415.0	6.0D	59.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0413.0E	0413.0	2.0D	53.0			QL=4 ST=2 TYP=3
	1415	LEAR	4	S/F	0413.0E	0415.0	3.0D	190.0			QL=2 ST=2 TYP=3
	650	GORK	22	GRF	0630.0E	0801.0	138.0D	17.0			
	950	GORK	23	GRF	0630.0E	0709.6	314.5D	19.0			
	200	GORK	4	S/F	0633.8	0634.4	1.4	570.0			
	5900	KISV	2	S/F	0720.5	0721.1	4.6	12.0			
	9100	GORK	2	S/F	0720.6	0721.1	0.9	7.0			
	9300	KISV	2	S/F	0720.6	0721.1	3.8	9.0			
	200	GORK	42	SER	0733.0	0751.2	123.0	570.0			
	200	GORK	42	SER	0733.0	0836.3		570.0			
	100	GORK	23	GRF	0803.0	0824.5	33.0	400.0			
	100	GORK	4	S/F	0818.0	0818.6	14.0	600.0			
	100	GORK	4	S/F	0818.0	0822.8		1300.0			
	9100	GORK	1	S	0845.6	0845.7	0.4	6.0			
	950	GORK	46	C	0856.0	0857.6	4.6	21.0			
	950	GORK	46	C	0856.0	0858.8		16.0			
	410	LEAR	8	S	0857.0E	0858.0	2.0D	38.0			QL=2 ST=3 TYP=3
	410	SVTO	8	S	0858.0E	0858.0	1.0D	140.0			QL=2 ST=2 TYP=3
	9300	KISV	2	S/F	0906.0	0906.4	6.0	9.0			
	9100	GORK	2	S/F	0906.2	0906.3	1.1	9.0			
	100	GORK	4	S/F	1001.3	1004.2U	3.9	1000.0			
	200	GORK	4	S/F	1014.7	1018.1	6.4	1700.0			
	204	IZMI	41	F	1015.5	1015.7	3.0	670.0			
	2950	GORK	1	S	1039.4	1040.6	2.0	5.0			
	950	GORK	2	S/F	1040.0	1040.8	4.1	9.0			
	204	IZMI	41	F	1046.0	1047.0	3.0	800.0			
	200	GORK	4	S/F	1046.8	1047.1	1.5	4300.0			
	3100	BERN	4	S/F	1331.5	1343.4	36.9	1.4			
	5200	BERN	3	S	1331.9	1342.9	27.0	3.3			
	8400	BERN	3	S	1333.7	1343.1	34.6	2.6			
	5200	BERN	4	S/F	1333.7	1343.2	34.4	3.3			
	8400	BERN	3	S	1334.4	1343.3	22.9	2.4			
	3100	BERN	46	C	1335.2	1343.0	23.8	1.2			
	11800	BERN	3	S	1339.6	1343.2	20.7	1.2			
	11800	BERN	3	S	1339.8	1343.6	14.7	1.1			
	4995	SVTO	8	S	1342.0E	1343.0	2.0D	51.0			QL=4 ST=2 TYP=3
	5200	BERN	3	S	1448.0	1451.7	8.1	1.0			
	19600	BERN	3	S	1448.6	1451.9	10.8	4.2			
	8400	BERN	3	S	1449.0	1451.8	10.7U	3.9			
	11800	BERN	3	S	1449.2	1451.9	10.5U	5.0			
	11800	BERN	3	S	1449.7	1451.9	8.8	5.1			
	610	SGMR	8	S	1450.0E	1451.0	2.0D	53.0			QL=2 ST=2 TYP=3
	8400	BERN	3	S	1450.2	1451.8	9.2	4.3			
	5200	BERN	3	S	1450.3	1451.7	2.8	1.7			
	8800	SGMR	8	S	1451.0E	1451.0	2.0D	53.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1451.0E	1451.0	2.0D	77.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1451.0E	1451.0	1.0D	43.0			QL=4 ST=2 TYP=3
	19600	BERN	3	S	1451.0	1451.8	3.5	3.9			
	410	SGMR	8	S	1458.0E	1458.0	U	290.0			QL=2 ST=2 TYP=3
	15400	SGMR	8	S	1458.0E	1459.0	1.0D	31.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1500.0E	1500.0	U	110.0			QL=2 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
07	410	SGMR	8	S	1506.0E	1507.0	1.0D	180.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1528.0E	1528.0	U	120.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1551.0E	1551.0	U	87.0			QL=2 ST=2 TYP=3
	610	SGMR	8	S	1742.0E	1743.0	1.0D	59.0			QL=2 ST=2 TYP=3
	2800	PENT	4	S/F	2020.6	2022.7	7.8	168.8	50.0		
	610	PALE	4	S/F	2021.0E	2021.0	5.0D	99.0			QL=2 ST=2 TYP=3
	1415	PALE	4	S/F	2021.0E	2022.0	5.0D	120.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	2021.0E	2022.0	5.0D	120.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2021.0E	2022.0	1.0D	820.0			QL=2 ST=2 TYP=6
	2695	PALE	4	S/F	2021.0E	2022.0	5.0D	170.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2021.0E	2022.0	1.0D	240.0			QL=2 ST=2 TYP=3
	245	SGMR	49	GB	2021.0E	2022.0	1.0D	840.0			QL=2 ST=2 TYP=6
	1415	SGMR	4	S/F	2021.0E	2022.0	4.0D	82.0			QL=2 ST=2 TYP=5
	8800	SGMR	4	S/F	2021.0E	2022.0	4.0D	77.0			QL=2 ST=2 TYP=5
	410	SGMR	4	S/F	2021.0E	2022.0	4.0D	230.0			QL=2 ST=2 TYP=5
	2695	SGMR	4	S/F	2021.0E	2022.0	4.0D	140.0			QL=2 ST=2 TYP=3
	610	SGMR	4	S/F	2021.0E	2021.0	8.0D	150.0			QL=2 ST=2 TYP=5
	4995	SGMR	4	S/F	2021.0E	2022.0	4.0D	120.0			QL=2 ST=2 TYP=5
08	204	IZMI	43	NS	0700.0		300.0	15.0			
	127	TORN	44	NS	0700.0E		440.0D		30.0		V=2
	100	GORK	44	NS	0830.0E		180.0D		5.0		
	200	GORK	44	NS	0830.0E		195.0D		5.0		
	260	ONDR	43	NS	1200.0	1241.0	90.0	86.0			
	245	SGMR	44	NS	1241.0E	1314.0	481.0D	110.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	2128.0E	2156.0	81.0D	140.0			QL=4 ST=2 TYP=1
	100	HIRA	44	NS	2155.0E	0100.0	570.0D	130.0	5.0		ML
	245	PALE	44	NS	2156.0E	2156.0	53.0D	140.0			QL=2 ST=2 TYP=1
	245	PALE	8	S	0001.0E	0002.0	2.0D	320.0			QL=2 ST=2 TYP=3
	950	GORK	1	S	0657.8	0700.1	4.8	5.0			
	650	GORK	1	S	0657.8	0700.1	4.8	2.0			
	9100	GORK	46	C	0659.7	0700.1	3.0	15.0			
	2950	GORK	2	S/F	0659.7	0700.1	5.2	10.0			
	9100	GORK	46	C	0659.7	0701.5		16.0			
	2950	GORK	23	GRF	0801.7	0850.0	170.3U	10.0			
	9100	GORK	23	GRF	0809.6	0920.5	169.2	20.0			
	2950	GORK	2	S/F	0810.1	0810.9	1.9	6.0			
	2950	GORK	2	S/F	0814.7	0817.0	4.6	18.0			
	3013	IZMI	1	S	0815.0	0817.0	5.0	6.0	3.0		
	2850	CRIM	1	S	0815.0	0816.8	3.0	18.0	5.0		
	5900	KISV	4	S/F	0815.6	0816.9	3.3	26.0			
	2850	CRIM	1	S	0829.8	0832.0	3.5	21.0	7.0		
	2850	CRIM	29	PBI	0829.8	0833.3	6.0	7.4	2.0		
	9300	KISV	2	S/F	0834.3	0835.7	2.3	21.0			
	9100	GORK	46	C	0835.1	0841.7		24.0			
	9100	GORK	46	C	0835.1	0835.8	15.9	15.0			
	5900	KISV	22	GRF	0838.6	0841.6	11.4	28.0			
	3013	IZMI	1	S	0839.0	0842.0	7.0	6.0	3.0		
	9300	KISV	22	GRF	0839.3	0841.5	16.4	27.0			
	2950	GORK	46	C	0839.7	0842.1		20.0			
	2950	GORK	46	C	0839.7	0840.9	8.3	16.0			
	260	ONDR	40	F	1000.0	1109.0	120.0	43.0			
	9300	KISV	2	S/F	1107.0	1107.5	2.9	7.0			
	9300	KISV	2	S/F	1111.0	1111.7	6.4	20.0			
	5900	KISV	4	S/F	1111.1	1111.7	1.9	15.0			
	9100	GORK	2	S/F	1111.1	1111.8	1.6	15.0			
	9300	KISV	22	GRF	1126.0	1136.7	18.7	14.0			
	5900	KISV	22	GRF	1127.9	1136.7	13.9	10.0			
	3100	BERN	3	S	1252.5	1259.2	14.1	0.3			
	5200	BERN	3	S	1256.6	1301.8	12.1	0.6			
	8400	BERN	4	S/F	1257.8	1258.3	1.7	4.5			
	19600	BERN	3	S	1258.4	1258.8	5.9	3.7			
	11800	BERN	3	S	1258.4	1258.8	2.6	1.5			
	245	SVTO	8	S	1313.0E	1314.0	2.0D	350.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1421.0E	1421.0	U	89.0			QL=2 ST=2 TYP=5
	410	SVTO	8	S	1421.0E	1421.0	U	73.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1844.0E	1845.0	1.0D	66.0			QL=2 ST=2 TYP=3
	410	SGMR	4	S/F	2026.0E	2032.0	7.0D	71.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	2032.0E	2032.0	1.0D	78.0			QL=2 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
09	204	IZMI	43	NS	0700.0		300.0	10.0			
	127	TORN	44	NS	0700.0E		440.0D		4.0		V=0
	9300	KISV	21	GRF	0559.2	0615.6	43.0	12.0			
	5900	KISV	22	GRF	0600.2	0613.4	30.7	16.0			
	5900	KISV	2	S/F	0642.3	0643.8	7.5	12.0			
	2950	GORK	1	S	0712.9	0714.0	4.4	6.0			
	2850	CRIM	20	GRF	0713.0	0726.0		10.0	3.0		
	2950	GORK	1	S	0929.5	0930.6	2.6	3.0			
	260	ONDR	40	F	1000.0	1240.5	210.0	161.0			
	19600	BERN	46	C	1229.8	1241.8	42.4U	6.6			
	3100	BERN	46	C	1236.7	1240.9	30.4	12.3			
	11800	BERN	46	C	1237.0	1241.9	35.1U	11.4			
	5200	BERN	46	C	1237.3	1240.9	28.9	15.1			
	8400	BERN	46	C	1237.4	1241.8	35.0U	16.7			
	536	ONDR	46	C	1240.0	1241.0	9.0	115.0			
	610	SGMR	4	S/F	1240.0E	1241.0	5.0D	87.0			QL=2 ST=2 TYP=3
	8800	SGMR	4	S/F	1240.0E	1242.0	5.0D	140.0			QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	1240.0E	1240.0	3.0D	140.0			QL=2 ST=2 TYP=3
	1415	SGMR	4	S/F	1240.0E	1241.0	3.0D	39.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1240.0E	1241.0	5.0D	210.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1240.0E	1240.0	5.0D	120.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1240.0E	1240.0	1.0D	230.0			QL=2 ST=2 TYP=3
	4995	SVTO	4	S/F	1240.0E	1241.0	8.0D	190.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1240.0E	1241.0	4.0D	160.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1240.0E	1242.0	6.0D	210.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1240.0E	1241.0	1.0D	200.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1240.0E	1240.0	1.0D	200.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1240.0E	1240.0	1.0D	150.0			QL=2 ST=2 TYP=3
	1415	SVTO	8	S	1240.0E	1241.0	2.0D	47.0			QL=4 ST=2 TYP=3
	600	HUMN	2	S/F	1240.5	1241.0	3.0	46.0	18.0		
	808	ONDR	7	C	1241.0	1241.5	11.0	23.0			
	600	HUMN	1	S	1247.0	1248.0	5.0	6.0	3.0		
	610	PALE	8	S	2007.0E	2007.0	2.0D	75.0			QL=2 ST=2 TYP=3
	610	SGMR	8	S	2007.0E	2007.0	U	68.0			QL=2 ST=2 TYP=3
10	127	TORN	43	NS	0739.0	0820.6	86.0	450.0	11.0		V=1
	245	LEAR	8	S	0144.0E	0144.0	U	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0150.0E	0151.0	2.0D	98.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0151.0E	0151.0	U	110.0			QL=2 ST=2 TYP=3
	245	LEAR	49	GB	0153.0E	0153.0	2.0D	820.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	0153.0E	0153.0	2.0D	2900.0			QL=2 ST=2 TYP=6
	245	LEAR	49	GB	0254.0E	0255.0	1.0D	600.0			QL=4 ST=2 TYP=6
	245	PALE	49	GB	0254.0E	0255.0	1.0D	770.0			QL=2 ST=2 TYP=6
	410	LEAR	8	S	0651.0E	0651.0	1.0D	99.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0651.0E	0651.0	1.0D	140.0			QL=2 ST=2 TYP=3
	204	IZMI	8	S	0730.7	0731.0	0.5	72.0	30.0		
	5900	KISV	1	S	0829.0	0829.4	0.7	4.0			
	9300	KISV	2	S/F	0829.1	0829.4	1.1	4.0			
	260	ONDR	8	S	1025.3	1025.3	0.5	59.0			
	245	SGMR	4	S/F	1643.0E	1644.0	3.0D	130.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1931.0E	1931.0	1.0D	65.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1931.0E	1931.0	4.0D	64.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2341.0E	2341.0	1.0D	54.0			QL=2 ST=2 TYP=3
11	200	GORK	44	NS	0630.0E		270.0D		5.0		
	204	IZMI	8	S	0735.0	0735.3	0.4	94.0			
	245	LEAR	8	S	0821.0E	0821.0	1.0D	92.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0821.0E	0821.0	1.0D	100.0			QL=4 ST=2 TYP=3
	204	IZMI	5	S	0821.8	0822.0	0.6	42.0	21.0		
	260	ONDR	42	SER	1141.0	1147.7	22.0	84.0			
	204	IZMI	5	S	1143.0	1143.4	1.0	25.0	13.0		
	245	PALE	4	S/F	1827.0E	1830.0	7.0D	130.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1829.0E	1830.0	1.0D	150.0			QL=2 ST=2 TYP=3
12	2840	PEKG	5	S	0459.0	0501.1	7.0	5.6			
	204	IZMI	5	S	0707.2	0707.3	0.3	26.0	13.0		
	204	IZMI	5	S	0745.8	0745.9	0.3	40.0			
	204	IZMI	41	F	1013.3	1013.5	1.0	102.0			
	127	TORN	42	SER	1245.8	1246.4	4.6	20.0			

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
12	245	SGMR	8	S	1734.0E	1734.0	U	61.0			QL=2 ST=2 TYP=3
13	204	IZMI	4	S/F	0829.5	0829.7	0.4	44.0			
	260	ONDR	42	SER	1144.0	1144.5	15.0	31.0			
	610	SGMR	8	S	1329.0E	1329.0	U	59.0			QL=2 ST=2 TYP=3
	2800	PENT	3	S	1722.5	1729.4	11.2	87.5	25.0		
	4995	SGMR	49	GB	1724.0E	1729.0	9.0D	620.0			QL=4 ST=2 TYP=6
	8800	SGMR	49	GB	1725.0E	1728.0	8.0D	840.0			QL=4 ST=2 TYP=6
	15400	SGMR	49	GB	1725.0E	1728.0	8.0D	680.0			QL=4 ST=2 TYP=6
	610	SGMR	8	S	1726.0E	1727.0	2.0D	48.0			QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1727.0E	1729.0	4.0D	74.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1729.0E	1729.0	U	40.0			QL=4 ST=2 TYP=3
14	200	HIRA	42	SER	0553.5	0555.6	3.0	500.0			0
	245	LEAR	8	S	0556.0E	0556.0	U	370.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	0728.0	0729.5	3.0	32.0			
	204	IZMI	5	S	0745.3	0745.5	0.8	45.0	23.0		
	127	TORN	4	S/F	0908.0	0909.0	1.4	110.0	30.0		
	204	IZMI	41	F	0908.2	0908.4	1.4	19.0			
	204	IZMI	41	F	1118.8	1119.0	1.5	93.0			
	260	ONDR	8	S	1131.0	1131.0	1.0	41.0			
	8800	SGMR	8	S	1633.0E	1633.0	U	31.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1633.0E	1633.0	U	33.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1913.0E	1913.0	U	57.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1927.0E	1928.0	1.0D	31.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1928.0E	1928.0	U	30.0			QL=4 ST=2 TYP=3
15	2840	PEKG	1	S	0452.0	0455.6	7.0	6.8			
	2695	LEAR	8	S	0507.0E	0507.0	U	29.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0507.0E	0507.0	U	62.0			QL=4 ST=2 TYP=3
	204	IZMI	5	S	0717.5	0717.5	0.8	120.0	60.0		
	2950	GORK	21	GRF	0854.0	0900.5	25.2	5.0			
	950	GORK	22	GRF	0855.0	0856.3	9.1	7.0			
	3013	IZMI	5	S	0855.0	0855.5	2.0	4.0	2.0		
	2850	CRIM	29	PBI	0855.1	0856.6	24.0	10.0	3.0		
	2850	CRIM	1	S	0855.1	0855.8	1.5	16.0	5.0		
	127	TORN	45	C	0855.2	0855.5	1.9	60.0	20.0		
	2950	GORK	2	S/F	0855.3	0855.9	4.0	10.0			
	9100	GORK	20	GRF	0855.3	0855.9	61.7	6.0			
	260	ONDR	8	S	1227.0	1227.0	1.0	58.0			
	2695	PALE	4	S/F	1852.0E	1855.0	6.0D	50.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	1852.0E	1855.0	7.0D	100.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1852.0E	1855.0	10.0D	82.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1852.0E	1855.0	10.0D	71.0			QL=4 ST=2 TYP=5
	4995	SGMR	4	S/F	1852.0E	1855.0	10.0D	100.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	1855.0E	1855.0	1.0D	38.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1855.0E	1857.0	7.0D	41.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1855.0E	1855.0	3.0D	37.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1855.0E	1855.0	4.0D	40.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1857.0E	1858.0	1.0D	1800.0			QL=2 ST=2 TYP=6
	245	PALE	49	GB	1858.0E	1858.0	U	1600.0			QL=2 ST=2 TYP=6
	245	PALE	8	S	1901.0E	1901.0	1.0D	180.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1901.0E	1901.0	1.0D	220.0			QL=2 ST=2 TYP=3
16	245	SGMR	4	S/F	1541.0E	1541.0	6.0D	57.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1626.0E	1626.0	U	54.0			QL=2 ST=2 TYP=3
17	2840	PEKG	21	GRF	0143.3	0144.6	11.7	5.1			
	2840	PEKG	1	S	0208.0	0209.2	9.0	2.8			
	2840	PEKG	20	GRF	0232.0	0246.8	46.0	2.8			
	2840	PEKG	22	GRF	0407.0	0427.5	52.0	6.8			
	2950	GORK	20	GRF	0843.4	0846.1	12.3	5.0			
	600	HUMN	2	S/F	1227.0	1229.5	4.0	5.0	2.0		
	245	SGMR	8	S	1507.0E	1508.0	1.0D	190.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1507.0E	1508.0	1.0D	200.0			QL=2 ST=2 TYP=3
18	245	PALE	8	S	0050.0E	0050.0	U	220.0			QL=2 ST=2 TYP=3
	260	ONDR	42	SER	1000.0	1026.0	35.0	94.0			
	204	IZMI	5	S	1026.5	1026.6	0.5	25.0	12.0		

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
18	204	IZMI	41	F	1147.5	1149.5	3.0	2100.0			
	245	SGMR	49	GB	1419.0E	1421.0	2.0D	530.0			QL=2 ST=2 TYP=6
	245	SVTO	8	S	1419.0E	1421.0	2.0D	400.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1600.0E	1600.0	1.0D	57.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1600.0E	1600.0	1.0D	130.0			QL=2 ST=2 TYP=3
	610	SGMR	8	S	1600.0E	1600.0	1.0D	66.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1931.0E	1931.0	U	70.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	2156.0E	2158.0	5.0D	85.0			QL=2 ST=2 TYP=3
19	204	IZMI	43	NS	1105.0		55.0	10.0			
	127	TORN	43	NS	1132.0		150.0		7.0		V=0
	245	SGMR	44	NS	1720.0E	1739.0	196.0D	120.0			QL=2 ST=3 TYP=1
	245	PALE	44	NS	2003.0E	2003.0	45.0D	90.0			QL=2 ST=2 TYP=1
	204	IZMI	41	F	0714.0	0721.0	8.5	68.0			
	204	IZMI	41	F	0933.0	0939.0	7.0	10.0			
	260	ONDR	40	F	1015.0	1016.5	145.0	284.0			
	2850	CRIM	1	S	1020.8	1021.3	0.9	4.0	1.0		
	2950	GORK	1	S	1020.9	1021.2	1.0	3.0			
	2950	GORK	2	S/F	1043.6	1044.0	1.0	3.0			
	2850	CRIM	1	S	1043.8	1044.0	1.0	4.0	3.0		
	245	SGMR	8	S	1440.0E	1440.0	U	68.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1559.0E	1559.0	U	57.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1712.0E	1712.0	U	280.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1736.0E	1736.0	U	51.0			QL=2 ST=2 TYP=3
20	204	IZMI	43	NS	0700.0		300.0	10.0			
	200	GORK	43	NS	0800.0		210.0D		5.0		
	100	GORK	43	NS	0945.0		105.0D		10.0		
	127	TORN	43	NS	0955.0		232.0		9.0		V=1
	245	SGMR	44	NS	1328.0E	1340.0	13.0D	75.0			QL=2 ST=2 TYP=1
	9100	GORK	22	GRF	0807.4	0812.0U	103.6U	15.0			
	2950	GORK	20	GRF	0826.8U	0849.9	58.2D	5.0			
	260	ONDR	40	F	1000.0	1126.5	160.0	39.0			
	245	LEAR	8	S	1037.0E	1037.0	1.0D	58.0			QL=4 ST=2 TYP=3
	950	GORK	4	S/F	1104.9	1105.0	0.6	23.0			
	2950	GORK	2	S/F	1104.9	1105.2	1.6	4.0			
	9300	KISV	2	S/F	1105.0	1105.2	1.3	8.0			
	5900	KISV	2	S/F	1105.0	1105.3	1.4	6.0			
	410	SGMR	8	S	1449.0E	1449.0	U	420.0			QL=2 ST=2 TYP=3
	245	SGMR	49	GB	1449.0E	1449.0	U	1100.0			QL=2 ST=2 TYP=6
	410	SVTO	8	S	1449.0E	1449.0	U	320.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	1449.0E	1449.0	U	820.0			QL=2 ST=2 TYP=6
21	204	IZMI	43	NS	0700.0		300.0	10.0			
	2840	PEKG	1	S	0657.0	0658.8	4.0	1.8			
	204	IZMI	41	F	0803.2	0804.2	2.0	75.0			
	204	IZMI	5	S	0816.3	0816.6	1.0	103.0	60.0		
	260	ONDR	42	SER	1048.5	1105.5	36.0	41.0			
	536	ONDR	46	C	1241.5	1242.0	2.0	213.0			
	245	SGMR	4	S/F	1811.0E	1814.0	3.0D	63.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1935.0E	1937.0	2.0D	83.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1941.0E	1942.0	1.0D	33.0			QL=4 ST=3 TYP=3
	4995	SGMR	8	S	1941.0E	1942.0	1.0D	45.0			QL=4 ST=2 TYP=3
22	410	LEAR	8	S	0108.0E	0108.0	1.0D	63.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0131.0E	0131.0	1.0D	150.0			QL=4 ST=2 TYP=3
	2840	PEKG	20	GRF	0152.0	0206.2	35.0D	5.6			
	2950	GORK	22	GRF	0951.0	1031.3	129.0D	0.7			
	536	ONDR	27	RF	1107.0	1131.5	43.0	68.0			
	600	HUMN	4	S/F	1148.8	1154.8	37.4	30.0	8.0		
	610	SGMR	8	S	1244.0E	1244.0	1.0D	54.0			QL=2 ST=2 TYP=3
	536	ONDR	46	C	1244.0	1244.5	3.0	62.0			
	600	HUMN	2	S/F	1244.4	1245.7	6.3	23.0	5.0		
	100	HIRA	46	C	2308.1	2312.0	5.3	23.0	8.0		0
	200	HIRA	42	SER	2310.3	2312.0	1.6	160.0			0
	245	LEAR	8	S	2311.0E	2311.0	1.0D	110.0			QL=4 ST=2 TYP=3
23	2840	PEKG	1	S	0237.0	0238.3	3.0	6.7			
	950	GORK	22	GRF	0613.6	0859.5	312.2	10.0			

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
23	260	ONDR	41	F	1015.0	1215.0	130.0	367.0			
	2850	CRIM	1	S	1203.4	1205.4	3.2	18.0	6.0		
	410	SVTO	8	S	1214.0E	1214.0	1.0D	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1214.0E	1214.0	1.0D	160.0			QL=4 ST=2 TYP=3
	600	HUMN	1	S	1214.0	1214.2	4.0	16.0	3.0		
	33	UPIC	3	S	1344.5	1344.7	0.5				
	245	SGMR	8	S	1723.0E	1724.0	2.0D	330.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1938.0E	1939.0	1.0D	120.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	1940.0E	1940.0	1.0D	120.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2237.0E	2237.0	1.0D	54.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2245.0E	2245.0	U	52.0			QL=2 ST=2 TYP=3
24	200	GORK	44	NS	0600.0E		360.0D		5.0		
	204	IZMI	43	NS	0730.0		180.0	10.0			
	127	TORN	43	NS	1225.0		115.0		5.0		V=0
	245	SGMR	44	NS	1842.0E	2002.0	158.0D	120.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2150.0E	0509.0	590.0D	40.0	20.0		WR
	245	LEAR	8	S	0112.0E	0112.0	U	86.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0630.0E	0631.0	1.0D	92.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0630.0E	0630.0	1.0D	86.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0630.0E	0630.0	1.0D	100.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0643.0E	0644.0	1.0D	320.0			QL=4 ST=2 TYP=3
	650	GORK	4	S/F	0643.7	0644.3	0.9	62.0			
	950	GORK	4	S/F	0643.7	0644.3	1.6	28.0			
	610	SVTO	8	S	0644.0E	0644.0	U	170.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0749.0E	0750.0	1.0D	100.0			QL=2 ST=2 TYP=3
	204	IZMI	4	S/F	0958.5	0958.6	0.5	56.0			
	33	UPIC	3	S	1117.5	1117.6	0.4				
	245	SVTO	8	S	1126.0E	1126.0	1.0D	200.0			QL=4 ST=2 TYP=3
	204	IZMI	7	C	1126.5	1127.5	1.5	130.0	70.0		
	245	SGMR	8	S	1800.0E	1800.0	U	140.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1801.0E	1801.0	1.0D	140.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1804.0E	1806.0	2.0D	63.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1826.0E	1827.0	1.0D	50.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1830.0E	1832.0	2.0D	100.0			QL=2 ST=2 TYP=3
25	245	LEAR	44	NS	0231.0E	0458.0	439.0D	170.0			QL=4 ST=2 TYP=1
	200	GORK	44	NS	0600.0E		360.0D		25.0		
	100	GORK	44	NS	0600.0E		360.0D		5.0		
	245	LEAR	44	NS	0646.0E	0825.0	248.0D	150.0			QL=4 ST=2 TYP=1
	245	SVTO	44	NS	0654.0E	0826.0	305.0D	140.0			QL=4 ST=3 TYP=1
	204	IZMI	43	NS	0700.0		300.0	80.0			
	127	TORN	44	NS	0700.0E		440.0D		20.0		V=2
	260	ONDR	44	NS	1000.0E	1158.5	160.0D	75.0			
	200	HIRA	44	NS	2150.0E	0452.0	590.0D	60.0	30.0		WR
	2840	PEKG	5	S	0100.0	0103.6	9.0	27.5			
	2840	PEKG	1	S	0205.4	0206.4	6.6	5.5			
	2840	PEKG	5	S	0236.5	0237.0	1.5	5.5			
	245	LEAR	8	S	0401.0E	0401.0	1.0D	110.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0414.0E	0414.0	1.0D	87.0			QL=2 ST=2 TYP=3
	650	GORK	21	GRF	0746.1	0834.8	70.9	7.0			
	245	SVTO	8	S	0757.0E	0758.0	1.0D	170.0			QL=4 ST=2 TYP=3
	2850	CRIM	20	GRF	0822.0	0826.0	44.0	7.0	3.0		
	9100	GORK	22	GRF	0824.0	0835.5	168.0U	11.0			
	2950	GORK	23	GRF	0825.2U	1027.4	179.7D	10.0			
	950	GORK	21	GRF	0827.0	0847.0	104.2	4.0			
	650	GORK	2	S/F	0838.9	0839.1	0.6	12.0			
	950	GORK	2	S/F	0838.9	0839.5		15.0			
	410	SVTO	49	GB	0954.0E	0954.0	U	1700.0			QL=2 ST=2 TYP=6
	2950	GORK	1	S	1021.0	1021.5	0.9	8.0			
	650	GORK	1	S	1021.0	1021.7	2.1	2.0			
	950	GORK	1	S	1021.0	1021.7	2.1	4.0			
	600	HUMN	4	S/F	1410.6	1419.3	13.4	42.0	15.0		
	610	SGMR	4	S/F	1413.0E	1415.0	7.0D	200.0			QL=2 ST=2 TYP=3
	610	SVTO	4	S/F	1413.0E	1415.0	7.0D	130.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1825.0E	1825.0	U	350.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1825.0E	1825.0	U	370.0			QL=2 ST=2 TYP=3
	2800	PENT	4	S/F	2211.5	2214.8	6.0	32.1	12.0		

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
26	200	GORK	44	NS	0600.0E		360.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	50.0			
	127	TORN	43	NS	0728.0	0830.6	92.0	50.0	20.0		V=1
	245	SVTO	44	NS	0809.0E	0817.0	41.0D	74.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	U	160.0D	U			
	245	SGMR	44	NS	1239.0E	1727.0	524.0D	170.0			QL=2 ST=2 TYP=1
	410	SGMR	44	NS	1654.0E	1654.0	66.0D	88.0			QL=2 ST=3 TYP=1
	245	PALE	43	NS	1729.0	1920.0	515.0D	140.0			QL=2 ST=2 TYP=1
	410	SGMR	44	NS	1754.0E	1654.0	6.0D	88.0			QL=2 ST=2 TYP=1
	245	LEAR	44	NS	2330.0E	0511.0	684.0D	270.0			QL=4 ST=3 TYP=1
	2840	PEKG	20	GRF	0159.0	0204.8	108.0	9.1			
	245	PALE	8	S	0224.0E	0225.0	1.0D	140.0			QL=2 ST=2 TYP=3
	204	IZMI	4	S/F	0720.4	0720.8	0.8	280.0			
	204	IZMI	5	S	1049.0	1049.4		200.0	150.0		
	127	TORN	4	S/F	1251.3	1251.9	2.0	40.0	10.0		
	4995	SGMR	49	GB	1524.0E	1528.0	31.0D	1200.0			QL=4 ST=2 TYP=6
	2695	SGMR	4	S/F	1525.0E	1528.0	30.0D	360.0			QL=4 ST=2 TYP=3
	8800	SGMR	49	GB	1525.0E	1528.0	30.0D	1100.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1526.0E	1528.0	7.0D	370.0			QL=2 ST=3 TYP=3
	4995	SVTO	49	GB	1526.0E	1528.0	7.0D	1200.0			QL=2 ST=2 TYP=6
	15400	SVTO	49	GB	1527.0E	1528.0	6.0D	540.0			QL=2 ST=3 TYP=6
	8800	SVTO	49	GB	1527.0E	1528.0	6.0D	990.0			QL=2 ST=3 TYP=6
	15400	SGMR	49	GB	1527.0E	1528.0	28.0D	650.0			QL=4 ST=2 TYP=6
	245	LEAR	8	S	2326.0E	2326.0	1.0D	290.0			QL=4 ST=2 TYP=3
27	200	HIRA	43	NS	0229.0	0606.0	320.0D	80.0	20.0		WR
	100	GORK	44	NS	0600.0E		300.0D		5.0		
	200	GORK	44	NS	0600.0E		360.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	30.0			
	127	TORN	43	NS	0730.0		410.0		6.0		V=1
	245	SVTO	44	NS	0746.0E	1430.0	469.0D	280.0			QL=4 ST=2 TYP=1
	410	LEAR	44	NS	0925.0E	0925.0	89.0D	240.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	1220.0	160.0D	123.0			
	245	SGMR	44	NS	1227.0E	1430.0	537.0D	390.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	2136.0E	2146.0	384.0D	520.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2150.0E	0433.0	590.0D	200.0	50.0		ML
	245	LEAR	44	NS	2217.0E	0858.0	757.0D	460.0			QL=4 ST=2 TYP=1
	2840	PEKG	1	S	0221.0	0221.5	1.5	9.1			
	2950	GORK	46	C	0537.7U	0542.6		28.0			
	2950	GORK	46	C	0537.7U	0538.7	5.7U	51.0			
	950	GORK	4	S/F	0610.6	0610.8	1.0	17.0			
	650	GORK	1	S	0724.8	0728.1	3.8	2.0			
	2950	GORK	2	S/F	0727.8	0728.2	0.7	7.0			
	650	GORK	20	GRF	0738.5	0751.0	144.5	9.0			
	950	GORK	22	GRF	0810.3	0830.2	145.7D	10.0			
	5900	KISV	22	GRF	0841.0	0848.7	60.1	9.0			
	9300	KISV	22	GRF	0841.7	0845.9	59.8	14.0			
	9100	GORK	22	GRF	0842.0	0945.7	75.0U	12.0			
	204	IZMI	7	C	0909.3	1009.5		150.0	75.0		
	245	PALE	8	S	2047.0E	2048.0	1.0D	190.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	2121.0E	2124.0	5.0D	340.0			QL=2 ST=2 TYP=3
28	200	GORK	44	NS	0600.0E		360.0D		20.0		
	245	SVTO	44	NS	0635.0E	1020.0	507.0D	320.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	150.0			
	127	TORN	44	NS	0700.0E		440.0D		6.0		V=1
	410	SVTO	44	NS	0920.0E	0950.0	90.0D	97.0			QL=4 ST=2 TYP=1
	410	LEAR	44	NS	0925.0E	0925.0	875.0D	240.0			QL=4 ST=1 TYP=1
	260	ONDR	44	NS	1000.0E	1013.5	160.0D	194.0			
	245	SGMR	44	NS	1226.0E	1245.0	539.0D	120.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2150.0E	2315.0	590.0D	100.0	30.0		WR
	245	PALE	44	NS	2305.0E	0201.0	296.0D	800.0			QL=2 ST=2 TYP=1
	2840	PEKG	1	S	0210.0	0210.9	1.5	5.6			
	200	GORK	42	SER	0600.0	0704.1	360.0	850.0			
	200	GORK	42	SER	0600.0	0827.5		1300.0			
	200	GORK	42	SER	0600.0	0753.8		850.0			
	100	GORK	4	S/F	0719.4	0720.2	1.6	4200.0			
	2850	CRIM	1	S	0737.0	0741.0	10.0	25.0	8.0		
	2950	GORK	46	C	0737.0	0739.1	5.9	10.0			

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
28	2950	GORK	46	C	0737.0	0741.2		22.0			
	2950	GORK	29	PBI	0742.9	0742.9	7.6	7.0			
	2950	GORK	20	GRF	0816.0	0825.1	24.0	5.0			
	410	SVTO	8	S	0839.0E	0839.0	1.0D	62.0			QL=2 ST=2 TYP=3
	2950	GORK	2	S/F	0847.2	0848.7	5.4	4.0			
	950	GORK	20	GRF	0853.0	0927.0	66.5	12.0			
	650	GORK	22	GRF	0854.6	0928.5	121.3	13.0			
	245	SVTO	8	S	0858.0E	0858.0	1.0D	48.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1344.0E	1345.0	1.0D	260.0			QL=2 ST=2 TYP=3
	410	SGMR	4	S/F	1621.0E	1622.0	8.0D	59.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1749.0E	1750.0	1.0D	34.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1749.0E	1749.0	U	27.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	1928.0E	1936.0	9.0D	220.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	2119.0E	2120.0	2.0D	44.0			QL=2 ST=2 TYP=3
	245	PALE	4	S/F	2120.0E	2123.0	5.0D	100.0			QL=2 ST=2 TYP=3
29	410	LEAR	44	NS	0220.0E	0220.0	37.0D	67.0			QL=4 ST=2 TYP=1
	200	GORK	44	NS	0600.0E		360.0D		25.0		
	204	IZMI	43	NS	0700.0		120.0	50.0			
	127	TORN	44	NS	0700.0E		440.0D		940.0D		V=1
	245	LEAR	44	NS	0810.0E	0810.0	164.0D	62.0			QL=4 ST=2 TYP=1
	100	GORK	44	NS	0900.0E		120.0D		60.0		
	204	IZMI	43	NS	0900.0		180.0	200.0			
	245	SVTO	44	NS	0910.0E	0946.0	890.0D	310.0			QL=4 ST=1 TYP=1
	600	HUMN	43	NS	0924.0	1027.0	360.0D	132.0			
	260	ONDR	43	NS	0940.0	1022.5	180.0	245.0			
	245	SVTO	44	NS	0957.0E	0957.0	30.0D	58.0			QL=4 ST=2 TYP=1
	610	SGMR	44	NS	1225.0E	1252.0	314.0D	260.0			QL=2 ST=2 TYP=1
	410	SGMR	44	NS	1225.0E	1345.0	347.0D	240.0			QL=2 ST=2 TYP=1
	245	SGMR	44	NS	1225.0E	1247.0	695.0D	210.0			QL=2 ST=1 TYP=1
	245	PALE	44	NS	1728.0E	1934.0	392.0D	530.0			QL=2 ST=3 TYP=1
	200	HIRA	44	NS	2150.0E	0236.0	590.0D	200.0	50.0		MR
	100	HIRA	44	NS	2150.0E	0248.0	590.0D	350.0	70.0		MR
	245	LEAR	44	NS	2224.0E	0148.0	291.0D	240.0			QL=4 ST=2 TYP=1
	200	HIRA	46	C	0158.8	0201.0	3.6	230.0	60.0		MR
	100	HIRA	46	C	0159.1	0201.0	4.6	640.0	150.0		WR
	2840	PEKG	46	C	0306.0	0306.8	17.0	22.0			
	610	LEAR	8	S	0311.0E	0311.0	1.0D	150.0			QL=4 ST=3 TYP=3
	610	PALE	8	S	0311.0E	0311.0	1.0D	100.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	0604.0E	0605.0	3.0D	130.0			QL=2 ST=3 TYP=3
	5900	KISV	2	S/F	0609.6	0611.6	4.3	8.0			
	5900	KISV	22	GRF	0903.8	1017.5	158.8	35.0			
	9300	KISV	22	GRF	0905.6	0957.5	133.5	29.0			
	2950	GORK	22	GRF	0915.0	1027.0	144.8	23.0			
	9100	GORK	22	GRF	0924.0	1000.7	171.0	24.0			
	245	LEAR	4	S/F	0932.0E	1015.0	82.0D	400.0			QL=2 ST=2 TYP=5
	610	LEAR	20	GRF	0933.0E	1027.0	81.0D	210.0			QL=4 ST=2 TYP=2
	808	ONDR	49	GB	0935.0	0956.0	87.0	275.0			
	536	ONDR	27	RF	0935.0	1023.5	75.0	166.0			
	1415	LEAR	4	S/F	0938.0E	0955.0	76.0D	80.0			QL=4 ST=2 TYP=5
	200	GORK	42	SER	0939.0	1003.2	111.0	2000.0			
	200	GORK	42	SER	0939.0	1122.8		2300.0			
	410	LEAR	20	GRF	0947.0E	1017.0	67.0D	220.0			QL=4 ST=2 TYP=2
	245	SGMR	4	S/F	1217.0E	1217.0	703.0D	93.0			QL=2 ST=1 TYP=3
	410	SGMR	4	S/F	1218.0E	1235.0	702.0D	130.0			QL=2 ST=1 TYP=5
	610	SGMR	4	S/F	1218.0E	1239.0	702.0D	170.0			QL=2 ST=1 TYP=3
	8800	LEAR	8	S	2233.0E	2233.0	2.0D	150.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	2233.0E	2233.0	1.0D	210.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	2233.0E	2233.0	1.0D	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2233.0E	2233.0	1.0D	77.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	2233.0E	2234.0	1.0D	44.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	2233.0E	2234.0	1.0D	54.0			QL=4 ST=2 TYP=3
30	204	IZMI	43	NS	0700.0		300.0	40.0			
	127	TORN	44	NS	0700.0E		440.0D		9.0		V=1
	200	GORK	44	NS	0900.0E		60.0D		5.0		
	260	ONDR	44	NS	1000.0E	1201.5	160.0D	296.0			
	245	SGMR	44	NS	1755.0E	1807.0	213.0D	340.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	1759.0E	0312.0	603.0D	1200.0			QL=2 ST=3 TYP=1

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
30	100	HIRA	44	NS	2150.0E		590.0D	1000.0D	750.0U		SL
	200	HIRA	44	NS	2150.0E	2230.0	590.0D	5000.0	900.0		SL
	410	LEAR	44	NS	2327.0E	0016.0	686.0D	430.0			QL=4 ST=2 TYP=1
	245	LEAR	44	NS	2327.0E	0805.0	686.0D	1500.0			QL=4 ST=2 TYP=1
	610	LEAR	44	NS	2346.0E	0019.0	667.0D	120.0			QL=4 ST=2 TYP=1
	410	LEAR	8	S	0024.0E	0025.0	1.0D	60.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0211.0E	0211.0	1.0D	54.0			QL=2 ST=2 TYP=3
	2840	PEKG	46	C	0224.0	0230.2	10.0	40.5			
	4995	PALE	4	S/F	0225.0E	0228.0	8.0D	60.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0227.0E	0230.0	3.0D	33.0			QL=4 ST=2 TYP=5
	8800	LEAR	8	S	0227.0E	0228.0	2.0D	110.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	0227.0E	0228.0	7.0D	55.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0227.0E	0228.0	1.0D	30.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0227.0E	0228.0	1.0D	30.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	0227.0E	0229.0	3.0D	32.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0227.0E	0228.0	11.0D	95.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0227.0E	0228.0	1293.0D	96.0			QL=4 ST=1 TYP=3
	2840	PEKG	29	PBI	0234.0	0240.0	41.0	18.6			
	245	LEAR	4	S/F	0427.0E	0428.0	62.0D	110.0			QL=2 ST=2 TYP=3
	9300	KISV	25	R	0602.8	0615.4	30.0	15.0			
	5900	KISV	25	R	0602.8	0615.4	55.0	17.0			
	2840	PEKG	5	S	0603.0	0605.2	4.0	15.1			
	5900	KISV	4	S/F	0603.7	0605.0	8.3	26.0			
	2950	GORK	2	S/F	0603.8	0605.4	3.0	12.0			
	9300	KISV	2	S/F	0604.3	0604.9	8.8	13.0			
	5900	KISV	46	C	0619.9	0623.1		16.0			
	5900	KISV	46	C	0619.9	0621.2	13.4	18.0			
	9300	KISV	2	S/F	0620.4	0623.1	5.9	8.0			
	204	IZMI	41	F	0703.0	0706.0	6.0	360.0			
	245	SVTO	4	S/F	0738.0E	0741.0	8.0D	120.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	0739.0E	0741.0	8.0D	71.0			QL=2 ST=2 TYP=3
	9300	KISV	21	GRF	0801.2	0809.3	16.5	5.0			
	5900	KISV	21	GRF	0801.3	0809.3	17.4	9.0			
	245	LEAR	4	S/F	0802.0E	0805.0	3.0D	75.0			QL=2 ST=2 TYP=3
	9100	GORK	20	GRF	0802.1	0810.2	12.9	5.0			
	5900	KISV	21	GRF	0845.5	0848.6	17.0	10.0			
	650	GORK	4	S/F	0845.8	0847.9	4.3	16.0			
	410	LEAR	4	S/F	0846.0E	0848.0	7.0D	78.0			QL=2 ST=2 TYP=3
	9100	GORK	20	GRF	0846.6	0848.6	13.4	5.0			
	950	GORK	2	S/F	0847.1	0848.5	3.2	4.0			
	9300	KISV	2	S/F	0847.2	0848.6	6.3	5.0			
	2950	GORK	2	S/F	0847.6	0848.4	1.2	4.0			
	9100	GORK	28	PRE	0918.0	0935.1	17.1	5.0			
	50000	BERN	3	S	0930.1	0936.5	25.1	41.0			
	5200	BERN	47	GB	0930.7	0936.3	45.7	74.0			
	5900	KISV	47	GB	0931.4	0936.7	19.5	843.0			
	19600	BERN	47	GB	0933.3	0936.5	35.6	92.4			
	8400	BERN	47	GB	0933.5	0936.8	39.3	54.6			
	35000	BERN	47	GB	0933.6	0936.5	35.5	52.6			
	11800	BERN	47	GB	0933.8	0936.4	47.8	94.3			
	3100	BERN	4	S/F	0934.5	0936.6	55.1	48.7			
	9300	KISV	47	GB	0934.7	0936.7	24.5	356.0D			
	1415	LEAR	4	S/F	0935.0E	0937.0	6.0D	170.0			QL=4 ST=2 TYP=3
	15400	LEAR	49	GB	0935.0E	0936.0	9.0D	920.0			QL=4 ST=2 TYP=6
	4995	LEAR	49	GB	0935.0E	0936.0	16.0D	880.0			QL=4 ST=2 TYP=6
	8800	LEAR	49	GB	0935.0E	0936.0	16.0D	620.0			QL=4 ST=2 TYP=6
	4995	SVTO	49	GB	0935.0E	0936.0	11.0D	1000.0			QL=2 ST=2 TYP=6
	2695	SVTO	49	GB	0935.0E	0936.0	11.0D	590.0			QL=4 ST=2 TYP=6
	15400	SVTO	49	GB	0935.0E	0936.0	11.0D	1000.0			QL=2 ST=2 TYP=6
	8800	SVTO	49	GB	0935.0E	0936.0	11.0D	650.0			QL=2 ST=2 TYP=6
	3013	IZMI	41	F	0935.0	0936.0	20.0	10.0	5.0		
	2695	LEAR	49	GB	0935.0E	0936.0	26.0D	570.0			QL=4 ST=2 TYP=6
	2850	CRIM	29	PBI	0935.1	0945.0	120.0	41.0	13.0		
	2850	CRIM	47	GB	0935.1	0936.0U	10.0	700.0D			
	9100	GORK	46	C	0935.1	0937.3		580.0			
	9100	GORK	46	C	0935.1	0936.6	12.9	658.0			
	2950	GORK	4	S/F	0935.2	0936.7	5.1	115.0			
	950	GORK	4	S/F	0935.5	0935.8	4.4	85.0			
	1415	SVTO	4	S/F	0936.0E	0937.0	5.0D	170.0			QL=4 ST=2 TYP=3

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Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
30	33	UPIC	32	ABS	0936.0	0940.5	21.0				
	950	GORK	29	PBI	0939.9	0939.9	20.1	16.0			
	2950	GORK	30	PBI	0940.3	0940.3	133.7D	63.0			
	9100	GORK	29	PBI	0948.0	0948.0	126.0D	38.0			
	2950	GORK	2	S/F	0952.3	0953.4	2.3	5.0			
	2950	GORK	2	S/F	1033.6	1034.3	2.2	5.0			
	245	SVTO	8	S	1103.0E	1103.0	U	140.0			QL=2 ST=2 TYP=3
	11800	BERN	4	S/F	1349.5	1356.8	25.8	4.0			
	8400	BERN	4	S/F	1349.8	1356.9	24.1	5.1			
	19600	BERN	4	S/F	1351.6	1357.2	24.5	2.1			
	5200	BERN	4	S/F	1354.3	1356.9	17.1	7.0			
	3100	BERN	4	S/F	1354.4	1356.8	18.4	7.6			
	2695	SGMR	4	S/F	1355.0E	1357.0	4.0D	82.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1355.0E	1356.0	3.0D	59.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1355.0E	1356.0	3.0D	100.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1355.0E	1357.0	3.0D	99.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1355.0E	1357.0	5.0D	140.0			QL=4 ST=2 TYP=3
	600	HUMN	2	S/F	1355.5	1357.5	4.5	12.0	5.0		
	127	TORN	47	GB	1355.7	1357.7	3.0	670.0	200.0		
	1415	SGMR	4	S/F	1356.0E	1357.0	3.0D	160.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1356.0E	1357.0	1.0D	32.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1357.0E	1357.0	1.0D	77.0			QL=2 ST=2 TYP=3
	15400	SGMR	8	S	1357.0E	1357.0	1.0D	230.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1357.0E	1357.0	U	39.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1417.0E	1417.0	1.0D	66.0			QL=2 ST=3 TYP=3
	245	SVTO	8	S	1506.0E	1506.0	1.0D	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1518.0E	1518.0	1.0D	97.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1518.0E	1518.0	1.0D	99.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1732.0E	1733.0	3.0D	110.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	1934.0E	1946.0	162.0D	110.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1935.0E	1946.0	83.0D	230.0			QL=4 ST=2 TYP=5
	1415	PALE	4	S/F	1935.0E	2010.0	191.0D	280.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	1935.0E	2022.0	295.0D	4500.0			QL=2 ST=2 TYP=7
	2695	SGMR	4	S/F	1936.0E	1946.0	91.0D	200.0			QL=4 ST=2 TYP=5
	410	SGMR	49	GB	1936.0E	2043.0	116.0D	9900.0			QL=2 ST=2 TYP=7
	410	PALE	49	GB	1936.0E	1955.0	264.0D	2600.0			QL=2 ST=1 TYP=7
	410	PALE	49	GB	1936.0E	2101.0	264.0D	7300.0			QL=2 ST=1 TYP=7
	1415	SGMR	4	S/F	1937.0E	2010.0	95.0D	290.0			QL=4 ST=2 TYP=5
	245	SGMR	49	GB	1937.0E	2110.0	115.0D	18000.0			QL=2 ST=2 TYP=7
	610	SGMR	49	GB	1937.0E	2022.0	115.0D	6200.0			QL=2 ST=2 TYP=7
	245	PALE	49	GB	1937.0E	2110.0	293.0D	17000.0			QL=2 ST=2 TYP=7
	410	PALE	49	GB	1938.0E	2101.0	292.0D	7300.0			QL=2 ST=2 TYP=7
	4995	PALE	4	S/F	1939.0E	1946.0	81.0D	190.0			QL=4 ST=2 TYP=5
	4995	SGMR	20	GRF	1939.0E	1946.0	90.0D	160.0			QL=4 ST=2 TYP=2
	8800	SGMR	20	GRF	1939.0E	1946.0	92.0D	87.0			QL=4 ST=2 TYP=2
	15400	SGMR	4	S/F	1940.0E	2034.0	55.0D	79.0			QL=4 ST=2 TYP=5
	610	LEAR	49	GB	2221.0E	2221.0	66.0D	890.0			QL=2 ST=2 TYP=6
	410	LEAR	49	GB	2221.0E	2231.0	66.0D	2600.0			QL=2 ST=2 TYP=7
	245	LEAR	49	GB	2221.0E	2224.0	66.0D	8000.0			QL=2 ST=2 TYP=6
	1415	LEAR	8	S	2226.0E	2226.0	U	68.0			QL=4 ST=2 TYP=3
31	410	PALE	43	NS	0030.0	0113.0	1410.0	340.0			QL=2 ST=1 TYP=1
	610	PALE	43	NS	0030.0	0114.0	1410.0	110.0			QL=2 ST=1 TYP=1
	610	SVTO	44	NS	0623.0E	1138.0	349.0D	310.0			QL=4 ST=2 TYP=1
	245	SVTO	44	NS	0623.0E	1139.0	557.0D	4900.0			QL=4 ST=2 TYP=1
	410	SVTO	44	NS	0623.0E	1137.0	557.0D	680.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	1500.0			
	127	TORN	44	NS	0700.0E		440.0D		1240.0D		V=1
	200	GORK	44	NS	0800.0E		180.0D		130.0		
	600	HUMN	44	NS	0900.0E	1137.0	420.0D	120.0			
	260	ONDR	44	NS	1000.0E	1137.5	160.0D	413.0U			
	410	SGMR	44	NS	1223.0E	1229.0	697.0D	290.0			QL=2 ST=3 TYP=1
	245	SGMR	44	NS	1223.0E	1229.0	697.0D	2100.0			QL=2 ST=3 TYP=1
	610	SGMR	44	NS	1223.0E	1228.0	697.0D	140.0			QL=2 ST=3 TYP=1
	410	PALE	44	NS	1728.0E	2232.0	467.0D	330.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	1728.0E	2224.0	635.0D	1600.0			QL=2 ST=2 TYP=1
	610	PALE	44	NS	1741.0E	1741.0	454.0D	140.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2150.0E	2216.0	590.0D	700.0	100.0		SL
	100	HIRA	44	NS	2150.0E	0505.0	590.0D	350.0	50.0		SL

S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

JANUARY 1992

Day	Freq	Sta	Type		Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Flux Density Mean (10 -22 W/m 2 Hz)	Int	Remarks
31	410	LEAR	44	NS	2220.0E	2222.0	245.0D	120.0			QL=4 ST=2 TYP=1
	610	LEAR	44	NS	2220.0E	2222.0	753.0D	98.0			QL=4 ST=2 TYP=1
	245	LEAR	44	NS	2220.0E	2222.0	753.0D	460.0			QL=4 ST=2 TYP=1
	410	LEAR	4	S/F	0003.0E	0003.0	1437.0D	210.0			QL=2 ST=1 TYP=3
	245	LEAR	49	GB	0004.0E	0005.0	1436.0D	7900.0			QL=2 ST=1 TYP=6
	200	HIRA	48	C	0004.3	0005.3	2.7	19000.0	6000.0		WR
	610	LEAR	4	S/F	0005.0E	0006.0	1435.0D	91.0			QL=2 ST=1 TYP=3
	2840	PEKG	20	GRF	0421.0	0425.0	14.0	7.2			
	650	GORK	22	GRF	0545.0E	0635.2	375.0D	55.0			
	2840	PEKG	20	GRF	0704.0	0707.0	12.0	7.2			
	950	GORK	22	GRF	0715.4	1137.6	284.6D	40.0			
	5900	KISV	20	GRF	0801.1	0807.3	27.2	14.0			
	9300	KISV	20	GRF	0803.5	0805.6	20.8	6.0			
	2950	GORK	22	GRF	0838.7	0951.6	187.5U	15.0			
	9100	GORK	22	GRF	0849.0	1000.0	191.0	9.0			
	245	SVTO	49	GB	1120.0E	1121.0	2.0D	5100.0			QL=2 ST=3 TYP=6
	5900	KISV	2	S/F	1120.2	1121.3	7.0	13.0			
	9300	KISV	22	GRF	1120.4	1121.1	10.5	3.0			
	9300	KISV	23	GRF	1139.5	1144.0	14.0	7.0			
	9300	KISV	1	S	1139.5	1139.9	0.5	13.0			
	5900	KISV	23	GRF	1139.5	1139.9	14.0	21.0			
	245	SGMR	49	GB	1311.0E	1313.0	3.0D	2100.0			QL=2 ST=3 TYP=6
	33	UPIC	4	S/F	1312.0	1312.5	1.0				
	8800	PALE	4	S/F	1855.0E	1857.0	305.0D	37.0			QL=4 ST=3 TYP=3
	2695	PALE	4	S/F	1855.0E	1857.0	305.0D	44.0			QL=4 ST=3 TYP=3
	4995	PALE	8	S	1856.0E	1857.0	2.0D	15.0			QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	1910.0E	1914.0	8.0D	340.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	1912.0E	1914.0	8.0D	110.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	1912.0E	1914.0	4.0D	320.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	1912.0E	1914.0	5.0D	430.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1912.0E	1914.0	6.0D	460.0			QL=4 ST=2 TYP=3
	2695	PALE	4	S/F	1913.0E	1914.0	7.0D	230.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1913.0E	1914.0	4.0D	110.0			QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1913.0E	1914.0	5.0D	230.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1913.0E	1914.0	3.0D	260.0			QL=2 ST=2 TYP=3
	610	SGMR	49	GB	1914.0E	1914.0	U	680.0			QL=2 ST=2 TYP=6

Reports are received routinely from the following observatories:

BERN = Berne	IZMI = IZMIRAN	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	KISK = Kislovodsk	OTTA = Ottawa	SYDN = Sydney
GORK = Gorky	KRAK = Krakow	PALE = Palehua	TORN = Torun
HIRA = Hiraiso	LEAR = Learmonth	PENT = Penticton	TRST = Trieste
HUAN = Huancayo	NOBE = Nobeyama	POTS = Potsdam	TYKW = Toyokawa
		SGMR = Sagamore Hill	UPIC = Upice

Explanation of Type Code:

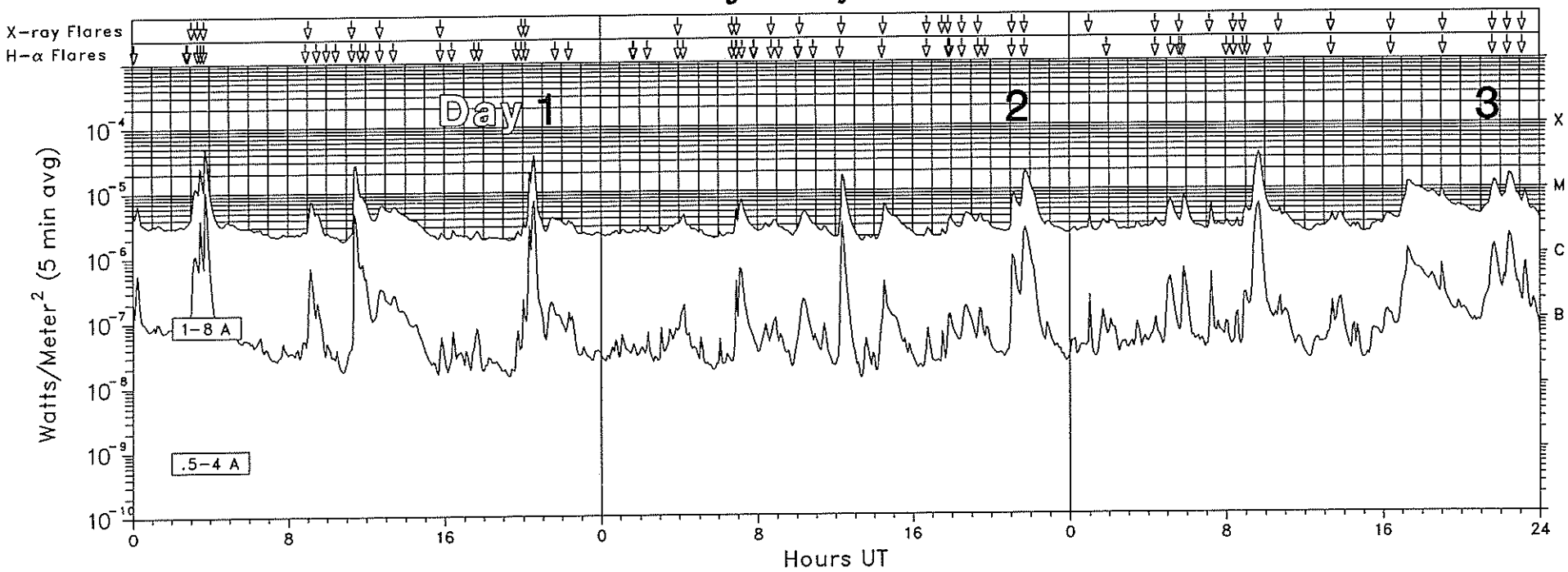
1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precusor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major

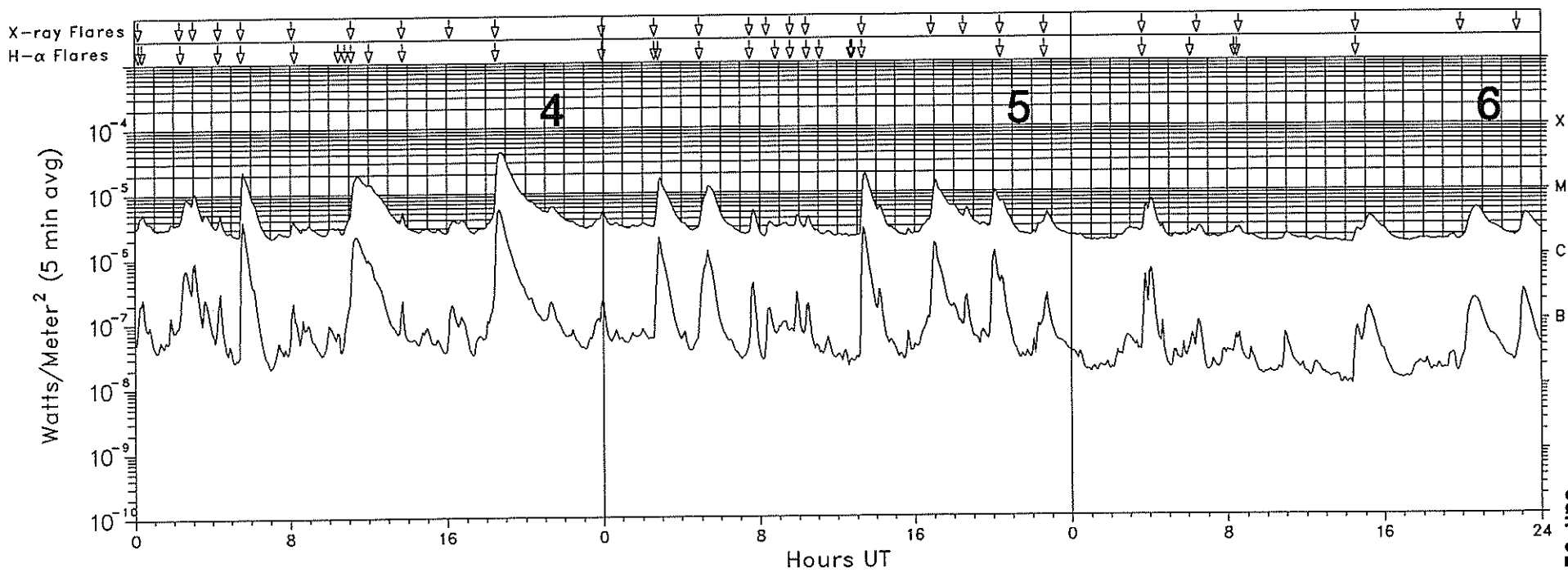
1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	4O Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	4OF Rise Only F	26O Fall Only	31A Post Burst Decrease A
2A Simple 1AF	4P Post Rise	26F Fall F	32A Absorption A

RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; Hiraiso, Japan 500 and 200 MHz; and Toyokawa, Japan 9400, 3750, 2000 and 1000 MHz.

GOES-7 X-RAY DETECTOR

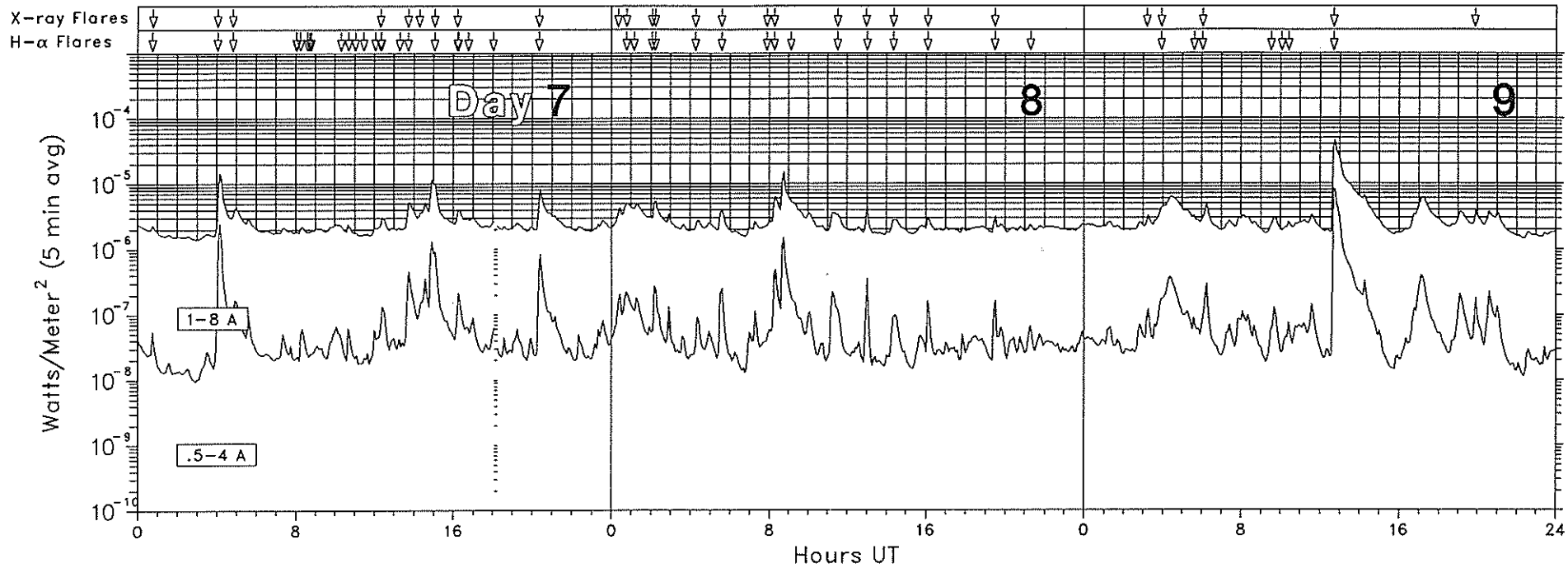
January 1992

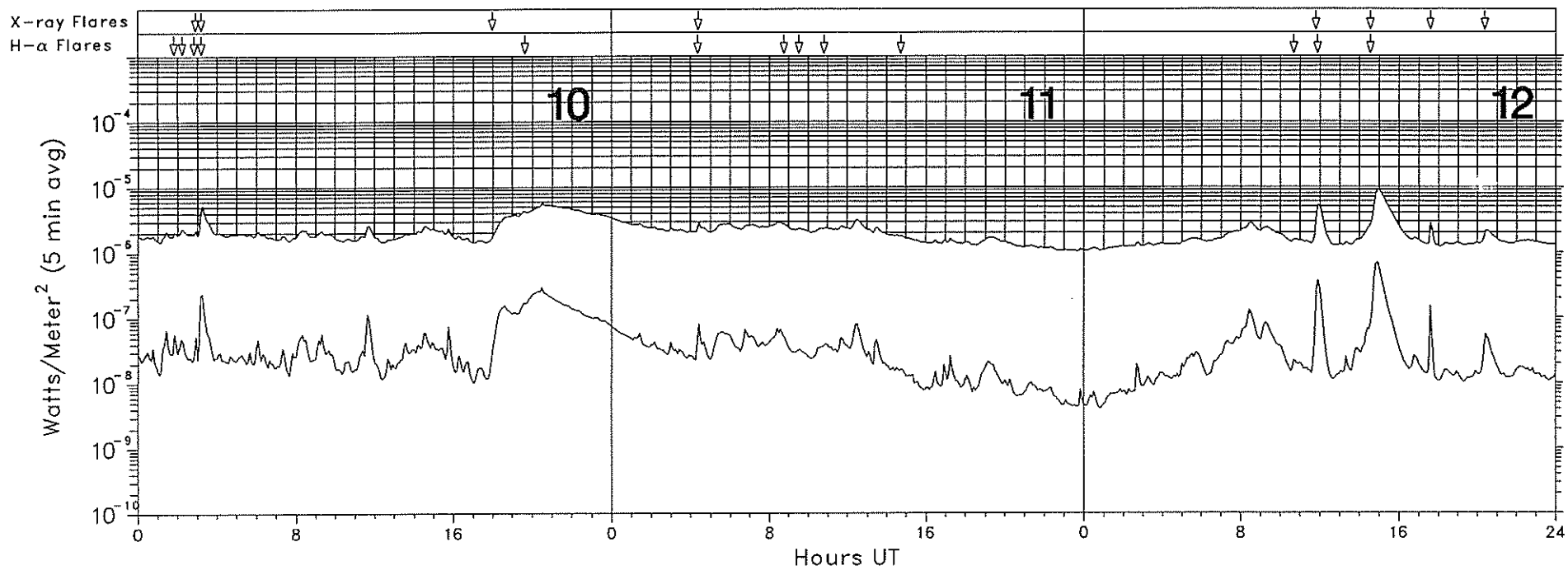




GOES-7 X-RAY DETECTOR

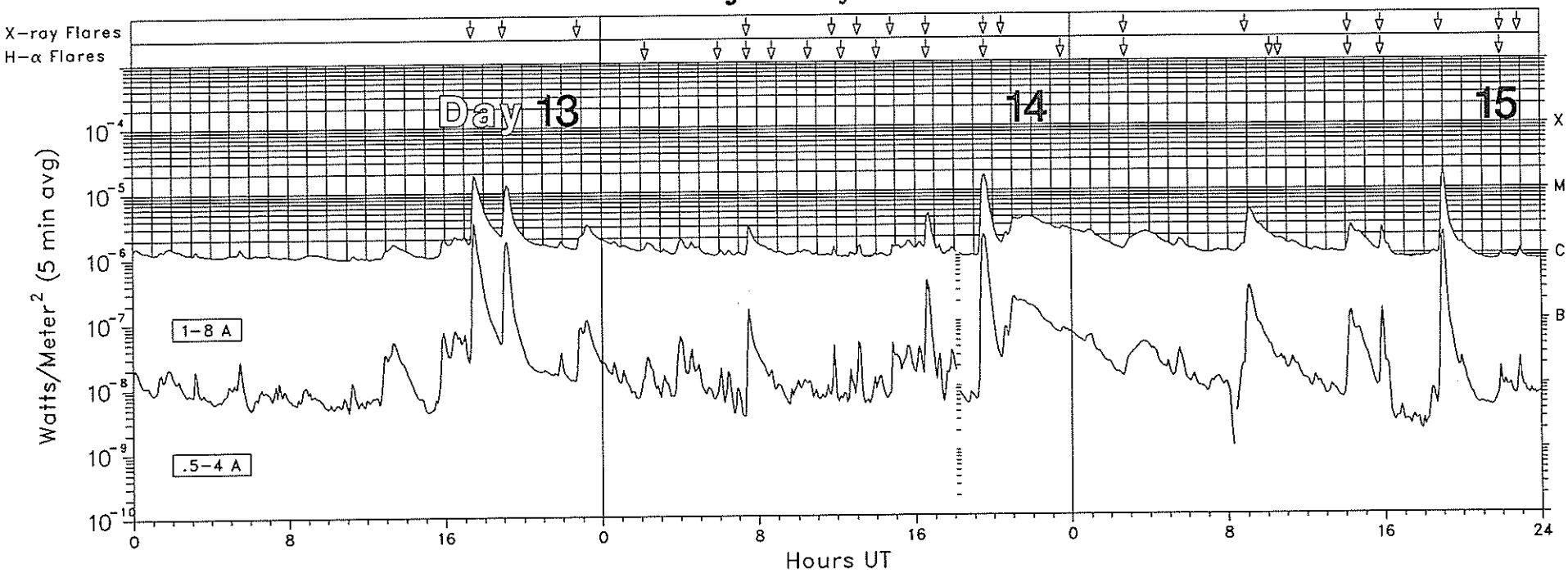
January 1992

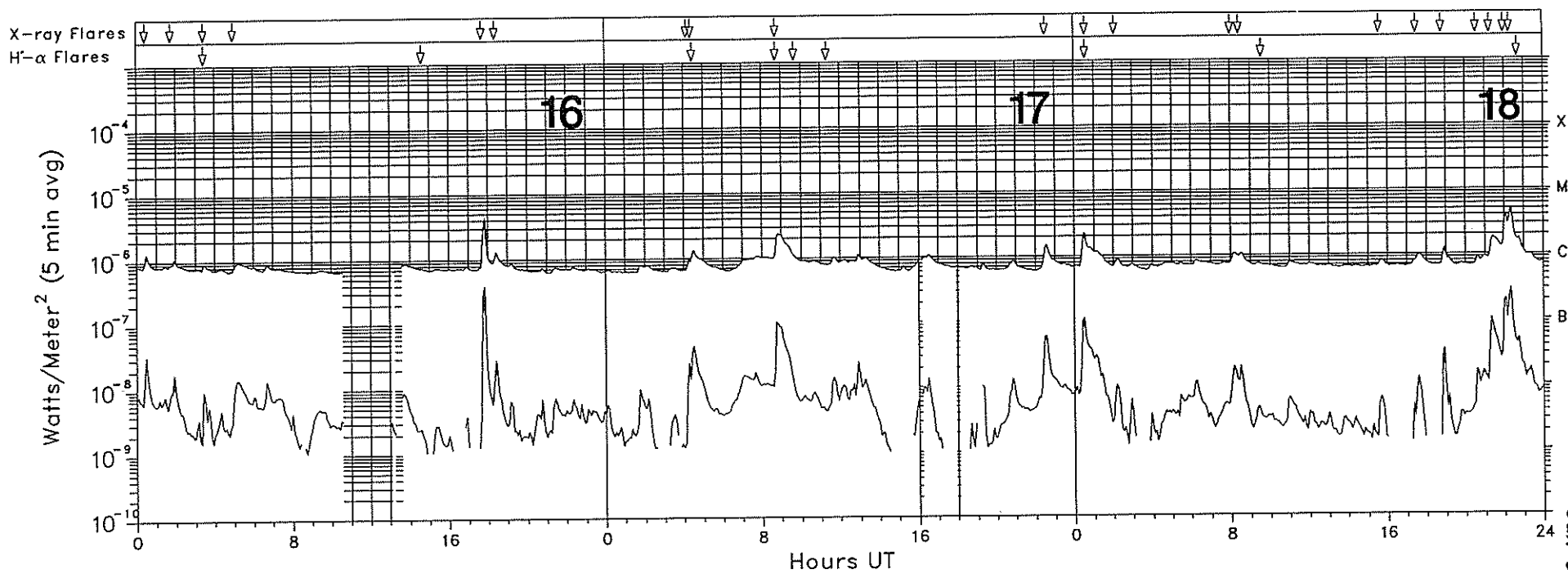




GOES-7 X-RAY DETECTOR

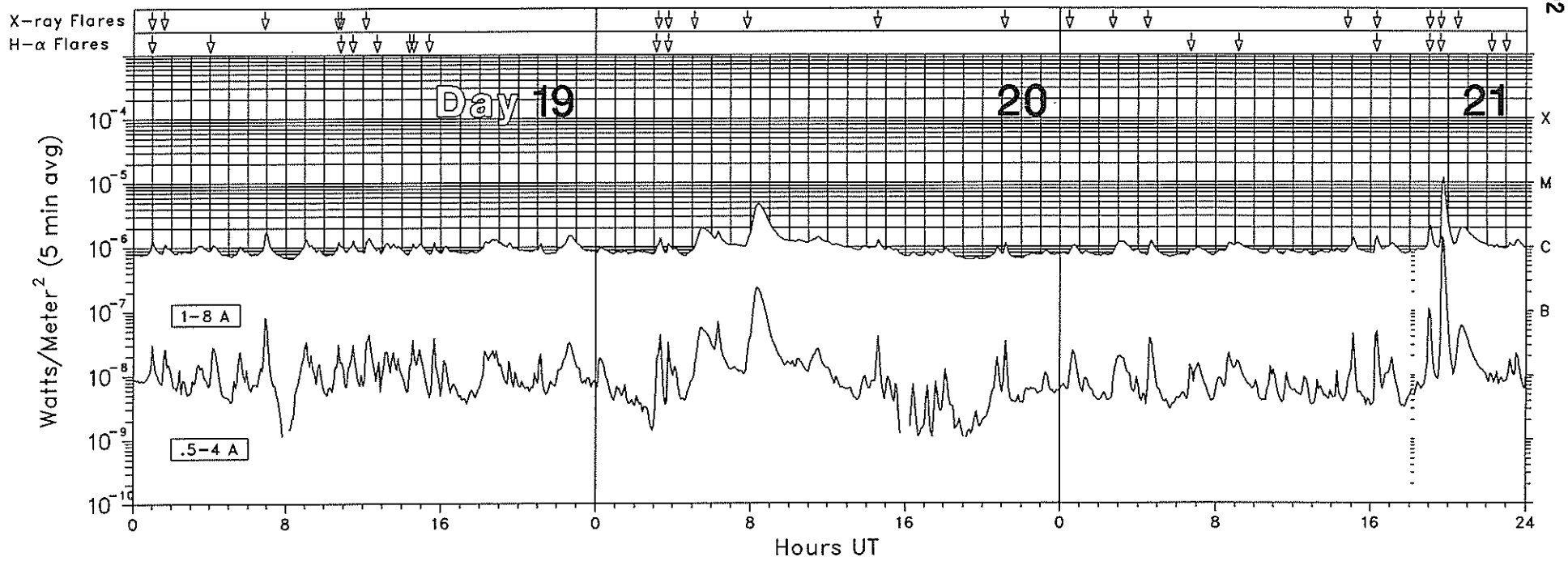
January 1992

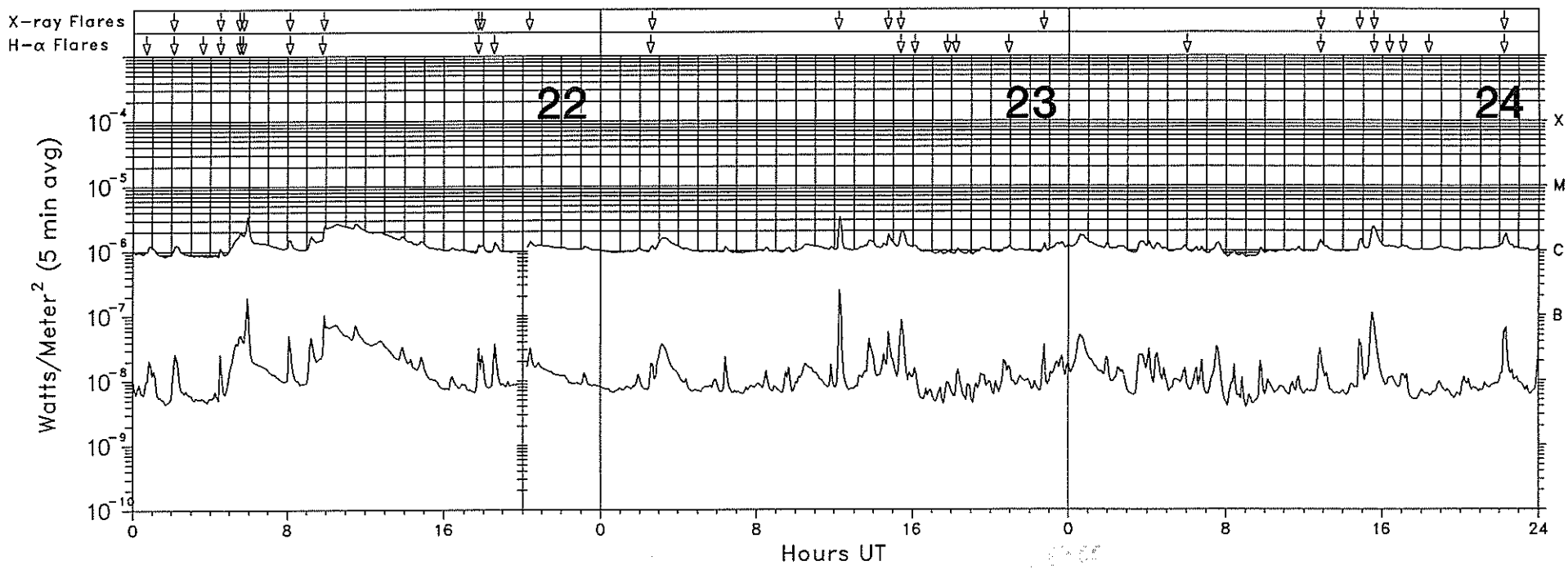




GOES-7 X-RAY DETECTOR

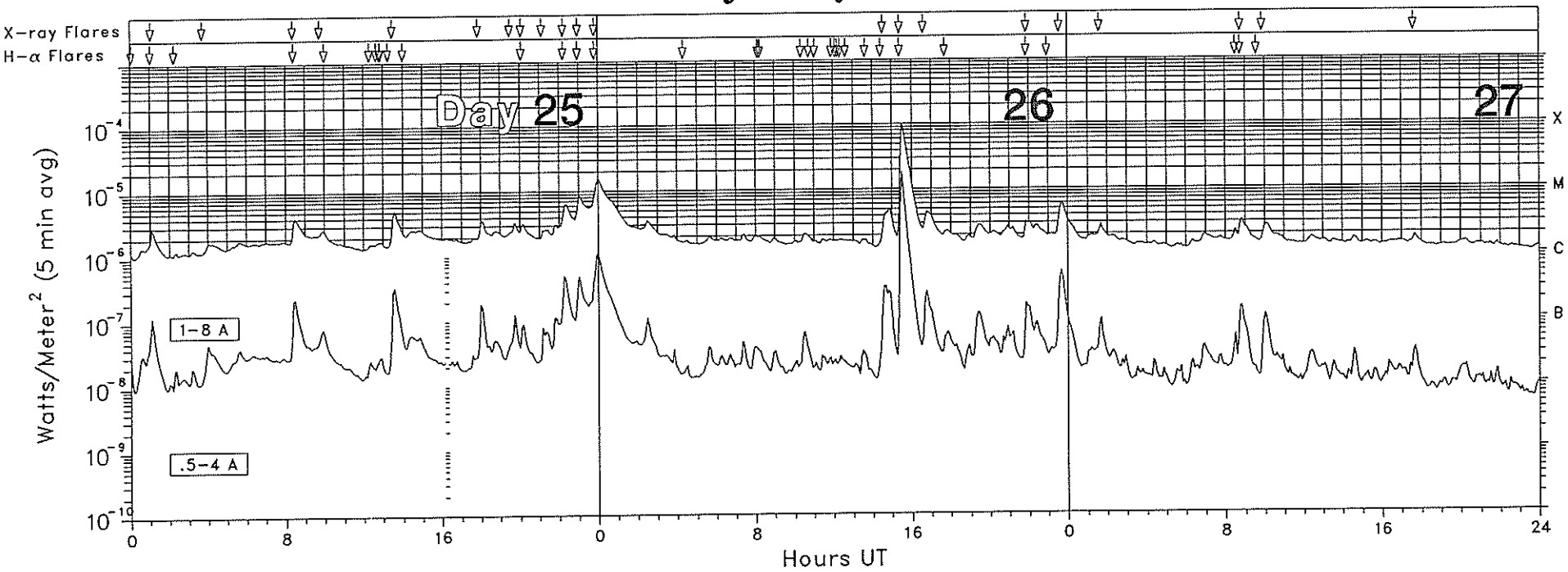
January 1992

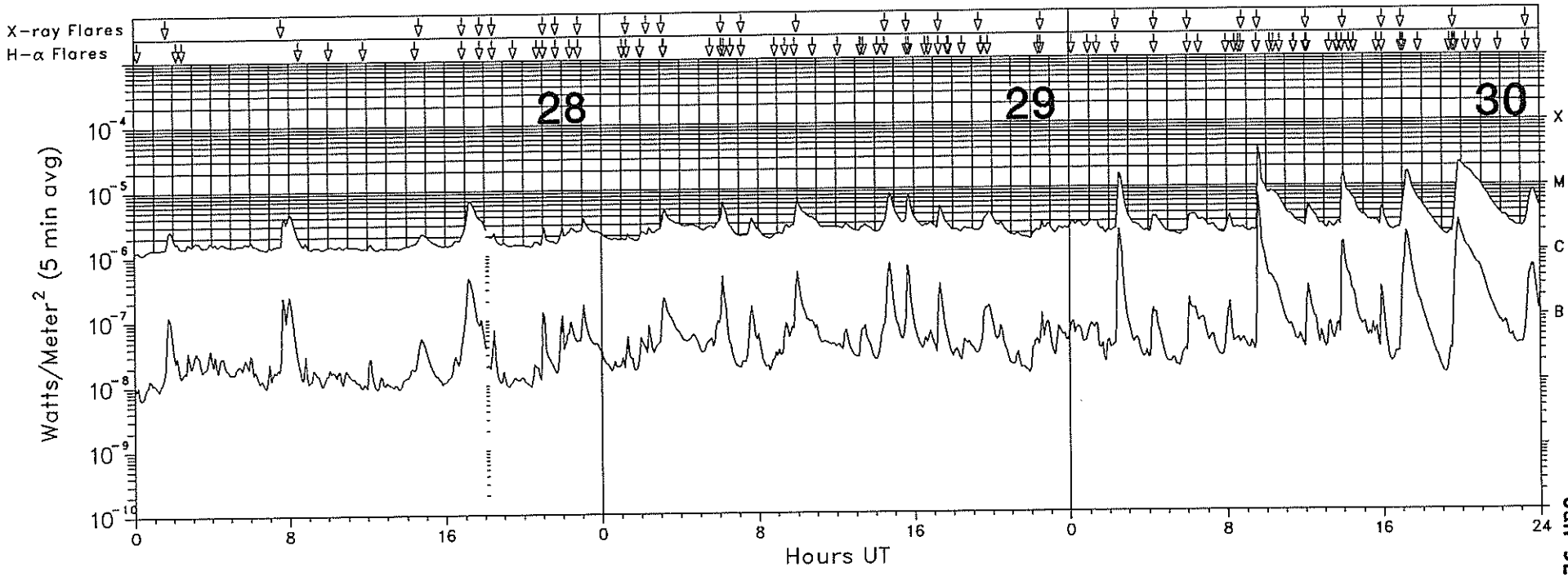




GOES-7 X-RAY DETECTOR

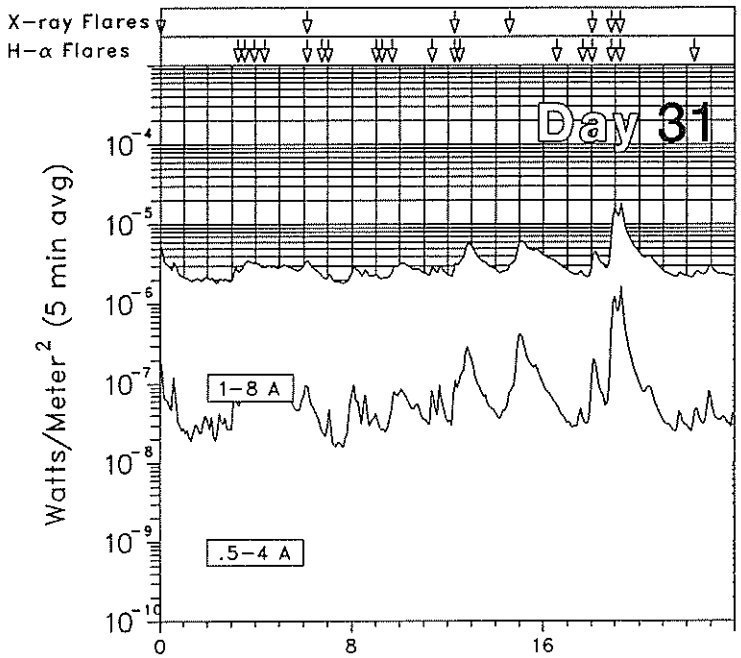
January 1992





GOES-7 X-RAY DETECTOR

January 1992



GOES S O L A R X-RAY F L A R E S
Preliminary Listing

January 1992

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region
01	0303	0314	0354	S12	W18	1N	M1.2	6988
01	0323	0331	0351	S18	W47	SN	M2.8	6985
01	0342	0354	0429	S11	E67	1F	M5.8	6993
01	0904	0911	0929	S12	W22	SF	C7.8	6988
01	1118	1131	1159	S09	E64	1N	M3.3	6993
01	1243	1254	1314	S16	E73	SF	C7.0	6994
01	1549E	1549U	1556	S14	W49	SF	C2.6	6985
01	1958	2033	2124D	S16	W58	1N	M5.1	6985
01	2011	2023	2050	S12	W26	2B	M2.4	6988
02	0358	0410	0437	S16	W37	SF	C4.9	6988
02	0643	0657	0713	S17	W66	1N	C6.6	6985
02	0657	0708	0735	S10	E52	SF	C8.4	6993
02	0844	0852	0910	S09	E34	SF	C3.7	6991
02	1012E	1018	1104	S20	W40	SF	C4.8	6988
02	1220	1228	1307	S17	E58	SF	M1.8	6994
02	1429	1430	1516	S15	W43	SF	C6.7	6988
02	1644	1651	1704	S11	W38	SF	C2.7	6988
02	1730	1732	1739				C2.7	
02	1749	1752	1804	S11	E55	SF	C3.9	6993
02	1831	1842	1905	S19	W52	SF	C4.3	6988
02	1922	1928	1934	S17	W65	SF	C5.0	6985
02	2104	2107	2230D	S15	E53	SN	C9.3	6994
02	2142E	2142U	2230	S08	E50	SN	M1.9	6993
03	0059	0102	0105				C4.9	
03	0425	0502	0536	S12	E41	SN	C7.1	6993
03	0538	0549	0617	S18	E45	1N	C8.0	6994
03	0712	0717	0720				C7.2	
03	0824	0835	0919	S09	E39	SF	C4.4	6993
03	0853	0940	1020	S19	E44	1N	M3.6	6994
03	1042	1046	1048				C5.7	
03	1321	1326	1336				C4.2	
03	1323	1344	1411	S12	E37	SF	C4.2	6993
03	1625	1714	1815	S12	E34	SF	M1.3	6993
03	1905E	1905U	1911	S09	E36	SF	M1.1	6993
03	2135	2141	2208D	S10	E31	SF	M1.3	6993
03	2220	2224U	2257D	S08	E32	SN	M1.7	6993
03	2305	2305	2351	S10	E30	SF	C9.6	6993
04	0012	0015	0019	S18	W81	SF	C5.6	6985
04	0218	0241	0300				C8.9	
04	0301	0302	0330	S10	E28	SN	M1.1	6993
04	0419	0426	0439	S10	E27	SF	C5.3	6993
04	0530	0537	0623	S10	E26	1N	M2.4	6993
04	0805	0812	0816				C4.2	
04	1108	1129	1314				M1.9	
04	1343	1346	1349				C6.4	
04	1610	1649	1659				C4.0	
04	1831	1832	1908	S17	W74	1N	M4.4	6988
04	2356	2359	0011	S09	E18	SF	C6.2	6993
05	0237	0252	0356	S18	E21	1N	M1.8	6994
05	0455	0525	0604	S16	E20	1F	M1.3	6994
05	0729	0741	0855	S10	E13	SF	C5.6	6993
05	0821	0834	0900				C3.5	
05	0935	0956	1109	S12	E10	SF	C4.7	6993
05	1023	1031	1044				C4.3	
05	1316	1324	1438D	S11	E10	1N	M1.9	6993
05	1652	1706	1815				M1.5	
05	1830	1842	1848				C5.7	
05	2022	2024U	2054D	S16	E13	1F	M1.0	6994
05	2237	2245	2249	S15	E10	SF	C4.8	6994
06	0337	0400	0459	S11	E02	1F	C7.5	6993
06	0627	0638	0644				C2.8	
06	0835	0838	0846	S13	E13	SF	C2.7	6994
06	1432E	1433U	1451D	N09	E29	SF	C3.9	6996
06	1954	2044	2112				C5.2	
06	2247	2312	2339				C4.2	
07	0047	0047	0050	S14	W10	SF	C2.5	6993
07	0403	0417	0448	S14	W12	SN	M1.5	6994
07	0449	0454	0533	S16	W07	SF	C4.4	6994
07	1220	1230	1235				C3.2	
07	1343	1344	1404	S17	W11	SF	C5.4	6994
07	1416	1436	1442				C5.7	
07	1503E	1507	1522	S15	W16	SF	M1.2	6994
07	1612	1616	1625	S12	W18	SF	C4.4	6993
07	2022	2025	2037	S16	W18	SF	C8.9	6994
08	0021	0026	0031				C4.7	
08	0046E	0046U	0110	N09	E12	SF	C5.0	6996
08	0203	0213	0300	N20	E11	1N	C6.2	7005
08	0213	0256	0323	N08	W54	SF	C3.8	7002
08	0416	0423	0432	S04	E73	SF	C3.2	7007
08	0534	0534	0539	N08	W55	SF	C4.9	7002
08	0752	0842	0908	S17	W22	1N	M1.7	6994
08	0816	0817	0835	S10	W29	1N	C6.5	6993
08	1131	1138	1154	S09	W21	SF	C3.6	6993
08	1258	1301	1305				C5.4	
08	1421	1422	1438	S09	W23	SF	C3.1	6993
08	1606	1606	1614	S10	W32	SF	C3.5	6993
08	1928	1928	1937	S11	W33	SF	C4.8	6993
09	0311	0315	0321				C3.5	
09	0356	0406	0415	S17	W32	SF	C6.3	6994
09	0603	0614	0623	S07	E68	1F	C5.6	7007
09	1241	1245U	1336	S17	W37	1N	M5.4	6994
09	1952	1957	2004				C4.0	
10	0254	0256	0303	S12	W57	SF	C2.5	6993
10	0312	0313	0325	S11	E75	SF	C5.5	7007
10	1758	2033	2256				C6.2	
11	0423	0427	0439	S15	W39	SF	C3.2	7004
12	1148	1159	1210				C5.4	
12	1433	1434	1446D	N14	W50	SF	C9.3	6996
12	1734	1739	1743				C3.4	
12	2022	2030	2045				C2.2	
13	1723	1734	1807				M2.0	6994
13	1859	1913	1931				M1.3	
13	2248	2316	2335				C3.3	
14	0728	0733	0753	S06	W04	1F	C3.1	7007
14	1149	1152	1157				C1.5	
14	1306	1311	1313				C1.7	
14	1449	1540	1556				C1.8	
14	1637	1637	1707	S15	E43	SF	C4.8	7008
14	1935E	1939	2004	S11	E89	SF	M1.7	7012
14	2028	2143	2304				C4.0	
15	0245	0347	0430				C2.2	
15	0855	0907	0927				C5.0	
15	1409	1417	1432				C2.8	
15	1548	1549	1616	S12	E28	SF	C2.6	7008
15	1849	1902	1916				M2.0	7012
15	2156	2157	2206	S11	E25	SF	C1.0	7008
15	2251	2256	2305				C1.2	

GOES S O L A R X-RAY F L A R E S
Preliminary Listing

January 1992

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region
16	0027	0032	0038				C1.3	
16	0145	0155	0203				C1.1	
16	0326	0329	0340	S08	E24	SF	B9.7	7008
16	0458	0515	0544				B9.7	
16	1743	1752	1757				C4.8	
16	1823	1826	1833				C1.3	
17	0409	0415	0420				C1.0	
17	0421	0429	0454				C1.4	
17	0843	0848	0946	S10	E50	SF	C2.5	7012
17	2231	2236	2241				C1.6	
18	0033	0036	0045	S06	E43	SF	C2.4	7012
18	0205	0213	0222				B9.1	
18	0800	0812	0825				C1.1	
18	0826	0831	0840				C1.1	
18	1535	1540	1545				B8.4	
18	1729	1735	1749				C1.0	
18	1847	1855	1906				C1.3	
18	2033	2038	2044				C1.0	
18	2114	2123	2157				C1.8	
18	2158	2206	2213				C4.9	
18	2216	2223	2227				C5.2	
19	0059	0102	0107				C1.3	
19	0137	0141	0147				C1.2	
19	0654	0701	0706				C1.8	
19	1043	1047	1053				C1.2	
19	1051	1132	1144	N03	E70	SF	C1.4	7016
19	1208	1220	1231				C1.4	
20	0314	0314	0330	N17	E12	SF	C1.5	7019
20	0345	0346	0403D	N03	E59	SF	C1.1	7016
20	0506	0534	0546				C2.0	
20	0749	0827	0905				C4.7	
20	1432	1436	1443				C1.3	
20	2108	2113	2119				C1.1	
21	0028	0042	0100				C1.1	
21	0242	0302	0344				C1.2	
21	0428	0438	0458				C1.2	
21	1448	1506	1524				C1.5	
21	1617	1617	1623	S13	E75	SF	C1.7	7026
21	1902	1903	1916	N02	E41	SF	C2.4	7016
21	1936	1946	2014	N01	E40	SF	M1.3	7016
21	2029	2046	2110				C2.0	
22	0206	0211	0240	N14	W12	SF	C1.3	7019
22	0430	0432	0445	N13	W15	SF	C1.2	7019
22	0530	0535	0543	S13	E69	SF	C2.7	7026
22	0542	0556	0626	N02	E37	SF	C3.8	7016
22	0808	0809	0817	N01	E35	SF	C1.8	7016
22	0953	1136	1205				C2.7	
22	1744	1747	1807	N02	E28	SF	C1.3	7016
22	1754	1759	1804				C1.3	
22	2021	2027	2035				C1.5	
23	0238	0239	0248	S00	E18	1F	C1.3	7016
23	1213	1221	1224				C3.8	
23	1444	1449	1454				C1.8	
23	1522	1529	1553	N01	E17	SF	C2.2	7016
23	2242	2246	2248				C1.6	
24	1251	1252	1255	N14	W46	SF	C1.5	7019
24	1450	1455	1502				C1.5	
24	1534	1535	1617	N01	E04	SF	C2.4	7016
24	2215	2218	2234	S07	E74	SF	C2.0	7031
25	0103E	0105U	0147	N02	W02	SF	C2.9	7016
25	0344	0403	0438				C1.8	
25	0823	0832	0851				C4.1	
25	0945	0956	1004				C2.7	
25	1328	1337	1349				C5.3	
25	1752	1807	1815				C3.8	
25	1930	1949	1953				C3.5	
25	2005	2005	2021	N07	E64	SF	C3.3	7030
25	2108	2113	2131				C2.8	
25	2212	2216	2236	S12	E17	SN	C6.5	7026
25	2257	2302	2315	N08	E63	SN	C8.9	7030
25	2349	2358	0022	S02	E58	SB	M1.6	7031
26	1432	1444	1510	S13	E07	SF	C5.3	7026
26	1523	1529	1625	S16	W66	3B	X1.0	7012
26	1636	1649	1707				C4.5	
26	2152E	2155U	2201	S22	E90	SF	C3.7	
26	2333	2335	2349	S04	E47	SF	C6.1	7031
27	0136	0141	0144				C3.3	
27	0844	0855	0909	S07	E40	SF	C3.1	7031
27	0952	1007	1024				C2.7	
27	1736	1745	1750				C1.8	
28	0138	0151	0203				C2.6	
28	0738	0805	0818				C4.6	
28	1442	1443	1503	S10	E42	SF	C2.2	7033
28	1654	1710	1759	S18	E70	1F	C6.9	7039
28	1749	1750	1810	S05	E22	SF	C3.7	7031
28	1827	1832	1838	S03	E16	SF	C2.5	7031
28	2103	2103	2118	S15	E74	SF	C3.4	7039
28	2141	2202	2210	S02	E14	SF	C3.3	7031
28	2251	2308	2350	N05	E11	SF	C3.9	7032
29	0117	0121	0127				C2.2	
29	0219	0228	0241	S05	E17	SN	C3.1	7031
29	0306	0316	0324				C5.1	
29	0608	0616	0642	S12	E04	SF	C6.8	7038
29	0711	0745	0815	S12	E03	SF	C3.6	7038
29	1001E	1003U	1034D	S11	E01	SF	C7.3	7038
29	1434	1451	1535	S12	W01	SF	C8.9	7038
29	1539	1543	1607	S16	E66	1F	C9.9	7039
29	1717	1718	1743	S13	E68	SF	C5.5	7039
29	1921	1953	2008				C4.3	
29	2233	2335	2344D	S03	E01	SN	C3.1	7031
30	0223	0234	0315	S02	W02	2N	M1.6	7031
30	0420	0432	0451	S10	E22	SF	C3.7	7033
30	0603	0606U	0659	S07	E01	1F	C3.9	7031
30	0847	0849	0904	N06	W01	SF	C2.4	7037
30	0935	0938	1013	S03	W06	2B	M4.9	7031
30	1206	1207	1234	S15	E57	SF	C5.2	7039
30	1359	1400	1443	S14	W47	1F	M1.8	7026
30	1558	1558	1603	S21	W79	SF	C7.0	7027
30	1656	1709	1729	S13	E84	SN	M1.6	7042
30	1935	1958	2142	S07	W06	2B	M2.4	7031
30	2319	2332	0031	S07	W09	1F	C8.4	7031
31	0000	0004	0006				C6.2	
31	0608	0610	0624	S13	E66	SF	C3.6	7042
31	1216	1220	1402	S09	W15	SF	C5.9	7031
31	1435	1507	1518				C6.1	
31	1801	1810	1825	S16	E38	SF	C4.6	7039
31	1850	1855	1948	N07	W25	1N	M1.5	7032
31	1912	1916	1947	S03	W24	1F	M1.9	7031

Preliminary GOES Satellite Data
Daily Average X-ray Background
Feb 1991 - Jan 1992

Day	1991 Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1992 Jan
1	C2.7	C1.3	C2.3	B5.8	C3.5	C1.7	C1.8	B6.6	C1.3	C1.3	B9.4	C2.0
2	C3.9	C2.3	C1.4	B4.7	C1.9	C1.6	C1.5	B8.9	C1.5	C1.3	B8.8	C1.9
3	C3.2	C2.9	B9.2	B6.3	C1.1	C1.7	C1.2	C1.2	C1.8	C1.3	B7.8	C2.3
4	C3.2	C2.9	B8.4	B7.2	C1.6	C1.7	C1.0	C1.0	C1.1	C1.3	B9.3	C2.5
5	C2.0	C2.1	B8.2	B9.1	C1.5	C2.1	B8.4	B8.5	C1.2	C1.1	C1.2	C2.1
6	C2.1	C1.8	C1.0	C1.4	C1.7	C1.7	B7.4	C1.2	B9.9	C1.1	C1.1	C1.5
7	C1.9	C2.2	B9.4	C1.4	C1.6	---	B7.9	C2.6	C1.2	C1.2	C1.5	C1.6
8	C2.0	C1.8	B8.8	C1.5	C1.3	B8.6	B6.4	C3.1	C1.4	C1.2	C1.7	C1.8
9	B8.5	C1.9	C1.3	C1.2	C1.6	B8.9	B7.2	C1.2	C1.4	C1.1	C3.4	C1.8
10	B7.1	C1.4	C2.0	C1.2	C2.3	C1.0	B5.9	C1.4	C1.0	C1.0	C2.8	C1.5
11	B7.3	C1.4	C2.0	C1.5	C2.9	C1.1	B5.6	B9.8	B8.1	B8.6	C1.7	C1.5
12	C1.0	C1.6	C2.3	C2.0	C1.9	C1.1	B5.8	B8.1	C1.0	B8.9	C1.5	C1.2
13	C1.0	C1.6	C2.0	C1.2	C1.8	C1.3	B6.9	B7.5	B7.6	B6.8	C1.5	C1.0
14	C1.1	C1.8	C2.4	C1.4	C1.5	C1.1	C1.1	B7.5	C1.1	B8.2	C1.6	C1.0
15	C1.2	C1.8	C2.9	C1.0	C2.6	C1.0	C2.0	---	B8.4	B7.3	C1.4	B9.7
16	---	C2.3	C3.1	C1.0	C1.6	C1.0	C2.7	B7.0	B7.9	B7.6	C1.7	B6.8
17	C2.3	C2.7	C1.8	C1.0	C1.3	C1.1	C1.7	B8.0	B6.5	B7.9	C1.4	B6.5
18	C2.7	C3.3	C1.5	C1.0	C1.2	C1.4	C1.5	B8.5	B5.4	B8.5	C1.3	B6.5
19	C2.4	C2.5	C1.3	B7.2	C1.0	C1.6	C1.5	B8.4	B5.6	B8.6	C1.2	B7.6
20	C2.3	C2.1	C2.1	B6.6	B9.3	C1.7	C1.6	B8.1	B8.3	B8.1	C1.3	B7.3
21	C2.0	C2.0	C1.1	B9.5	B8.9	C1.4	C1.4	B9.1	C1.3	B4.8	C2.1	B8.0
22	C1.6	C1.9	C2.0	B8.5	C1.0	C2.0	C1.9	B9.5	C1.5	B4.1	C2.1	B9.5
23	C1.5	C3.3	C1.0	B7.9	B7.6	C1.3	C1.9	C1.1	C1.5	B3.9	C2.3	B9.3
24	C1.5	C2.1	B6.3	B7.0	B9.4	C1.3	C2.1	C1.5	C2.3	B3.1	C1.9	B8.6
25	C1.5	C1.7	B6.2	B9.9	C1.0	C1.1	C3.0	C1.6	C3.3	B3.5	C1.8	C1.4
26	C1.2	C1.2	B5.7	B9.8	B8.3	C1.0	C2.0	C2.0	C2.6	B4.7	C2.0	C1.5
27	C1.1	C1.2	B6.2	C1.0	C1.9	B8.7	C1.4	C1.0	C2.6	B5.1	C1.3	C1.1
28	C1.1	C1.2	B8.0	C1.5	C1.6	B9.3	C1.1	B8.7	C2.6	B4.8	C1.5	C1.3
29		C1.6	B6.9	C1.5	C1.3	C1.0	C1.1	C1.3	C1.8	B6.1	C1.5	C1.7
30		C1.9	B5.9	--	C1.5	C1.2	C1.1	C1.0	C1.9	B9.1	C2.0	C2.2
31		C1.8		C1.4		C1.6	B7.7		C1.4		C1.8	C2.1

MASS EJECTIONS FROM THE SUN--PROXY DATA*

JANUARY 1992

Site	Mo Day	Observed UT Start	Max	End	Location RA°	R/Ro	Freq or Wavelength	Kind of Event
LEAR	Jan 01	0352.0		0414.0			Meter	II
LEAR	Jan 01	0414.0		0436.0			Meter	IV
SVTO	Jan 01	1126.0		1149.0			Meter	IV
WEIS	Jan 01	1132.8		1143.0			110- 46 MHz	II Herringbone
SGMR	Jan 01	2035.0		2040.0			Meter	II
PALE	Jan 01	2038.0		2042.0			Meter	II
POTS	Jan 09	1240.3		1245.3			400-100 MHz	II,IV
KHAR	Jan 11	0932 E		0943 D	100	1.00-1.03	H-alpha	S
POTS	Jan 29	0938		1418 U			800- 40 MHz	IV
ONDR	Jan 29	0948.5		1001.0			Decimeter	IV
SGMR	Jan 30	1945.0		1947.0			Meter	II
PALE	Jan 30	1945.0		1952.0			Meter	II
SGMR	Jan 30	1951.0		2128.0			Meter	IV
LEAR	Jan 30	2219.0		1053.0			Meter	IV
ONDR	Jan 31	1009.5		1013.0			Meter	IV

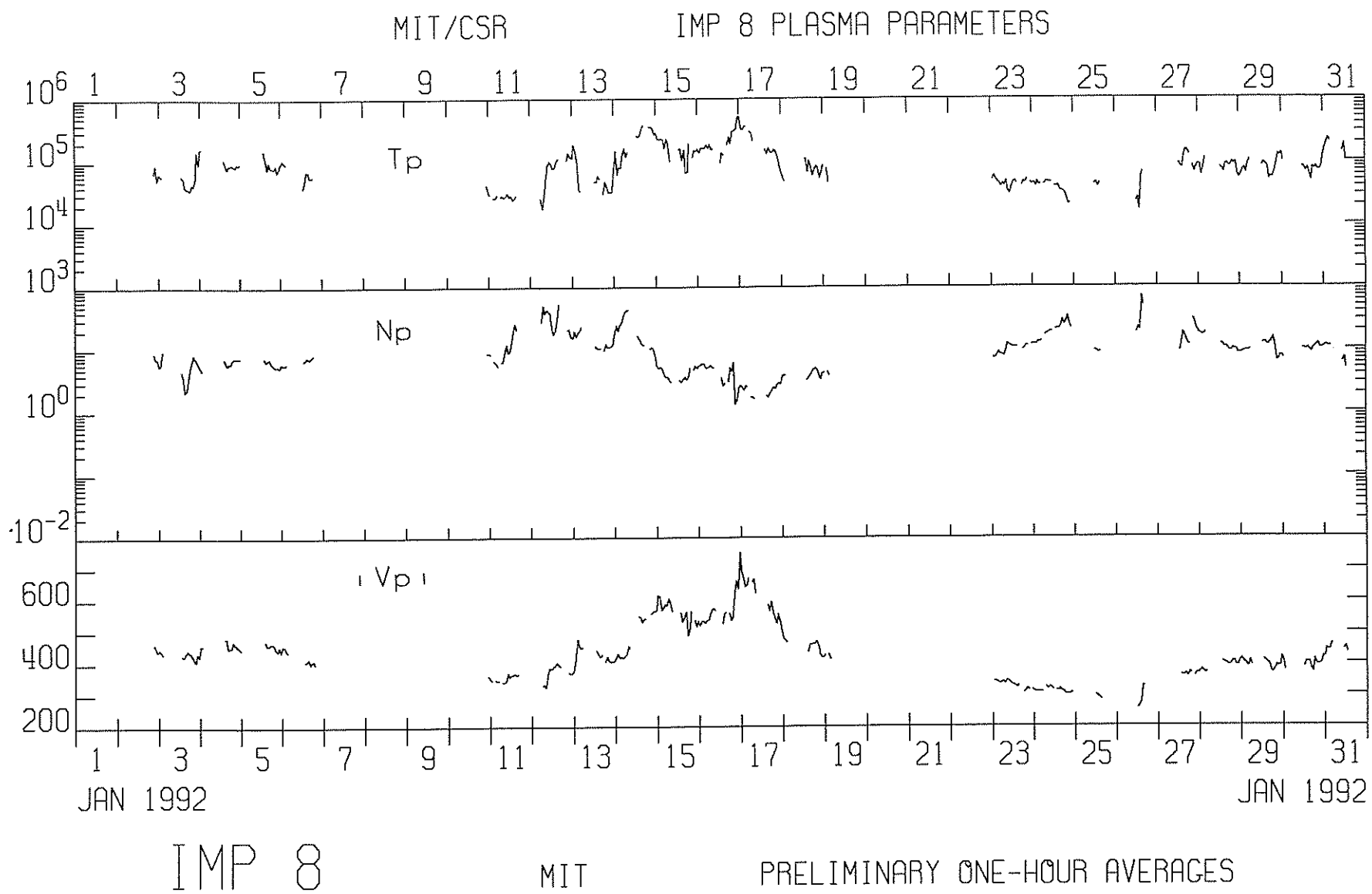
QUALIFIERS ON START, MAX AND END TIMES
- E = event began before the tabulated time
- U = uncertain time

TYPE OF EVENT
- A = eruptive active region prominence
- CB = coronal cloud bubble
- D = coronal depletions
- E = coronal enhancement
- EL = coronal expanding loop
- II = Type II radio burst
- IVm = moving Type IV radio burst
- Q = eruptive quiescent prominence
- R = coronal ray or streamer
- S = flare-surge if there is a known flare association
- SP = flare-spray if there is a known flare association
- ** = movement may be caused by ionospheric refraction

REPORTING STATIONS
- KHAR = Kharkov
- LEAR = Learmonth
- PALE = Palehua
- POTS = Potsdam
- SGMR = Sagamore Hill
- SVTO = San Vito
- WEIS = Weissenau

*Please be advised that this list is made up of proxy data--not actual measurements of coronal mass ejections (CMEs). The list was requested by the IAU Commission 10 in 1979. See page 46 in the July 1987 supplement to Solar-Geophysical Data for more information.

IMP 8 SOLAR WIND PLASMA
JANUARY 1992



ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMP CMD	Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
01	ADF	0142E	0302D	N04	E46	01	4.5	1				C	VORO		
01	APR	0158E	0302	N14	W90	12	25.4	1				C	VORO		
01	EPL	0247	0302D	S13	W90	12	25.4	1				C	VORO		
01	ASR	0713E	1510D	S15	W90	12	25.6			9	9	E	SVTO	6982	
01	DSD	0729E	1215D	S14	W15	12	31.2		02	9	9	E	SVTO	6988	
01	ADF	0729E	1510D	S22	W22	12	30.7	1	06	9	9	E	SVTO	6988	
01	AFS	0747E	1510D	S14	E75	01	7.0		03	9	9	E	SVTO	6994	
01	AFS	0753E	1218D	S10	E43	01	4.5		02	9	9	E	SVTO	6991	
01	ASR	1143E	1157D	S15	E90	01	8.3			9	9	E	SVTO		
01	APR	1156E	1919D	S05	W90	12	25.9	2		9	9	E	RAMY	6982	
01	DSD	1159E	1752D	S23	W43	12	29.3		06	9	9	E	RAMY	6985	
01	AFS	1202E	1752D	S13	W22	12	30.9		02	8	8	E	RAMY	6988	
01	DSD	1209E	1756D	S19	E76	01	7.3		02	9	9	E	RAMY	6994	
01	DSD	1209E	1919D	S16	E69	01	6.7		02	9	9	E	RAMY	6994	
01	ASR	1215E	1919D	S12	W90	12	25.8			9	9	E	RAMY	6982	
01	AFS	1219E	1919D	N04	E31	01	3.8		01	7	7	E	RAMY		
01	AFS	1222E	1919D	S12	E44	01	4.8		02	9	9	E	RAMY	6991	
01	DSF	1245U	1150U	S16	E14	01	2.6	3	10	0	0	E	RAMY		
01	DSD	1415E	1510D	S23	W47	12	29.1		05	9	9	E	SVTO	6985	
01	SSB	1520		160	W13	12	31.5			0	0	E	HOLL		
01	DSF	1520U	1519U	S17	E14	01	2.7		10	0	0	E	HOLL		
01	DSF	1520U	1519U	S22	W33	12	30.2		10	0	0	E	HOLL		
01	DSD	1600E	2330D	S14	W55	12	28.6		02	9	9	E	HOLL	6985	
01	ASR	1635E	1837D	S11	E90	01	8.5			9	9	E	HOLL		
01	AFS	1735E	0202D	S12	E62	01	6.4		03	9	9	E	PALE	6993	
01	DSD	1735E	0334D	S08	E30	01	4.0		03	9	9	E	PALE	6991	
01	DSD	1735E	0334D	S21	W52	12	28.8		05	9	9	E	PALE	6985	
01	DSF	1745U	1920U	S19	E02	01	1.9		08	0	0	E	PALE		
01	SSB	1904		158	W14	12	31.6			0	0	E	PALE		
01	DSD	2028E	2049D	S12	W29	12	30.8		04	9	9	E	PALE	6988	Flare Associated
01	DSD	2036	2049D	S16	W58	12	28.5		10	9	9	E	PALE	6985	Flare Associated
01	DSD	2038	2330D	S15	W58	12	28.6		08	9	9	E	HOLL	6985	
01	AFS	2341E	1038D	S20	W54	12	28.9		03	9	9	E	LEAR	6985	
01	ADF	2343E	1038D	S18	W53	12	29.0	1	06	9	9	E	LEAR	6985	
02	DSD	0202E	0334D	S11	E53	01	6.1		03	9	9	E	PALE	6993	
02	DSD	0202E	0334D	S16	E59	01	6.5		05	9	9	E	PALE	6994	
02	ASR	0318E	1038D	S16	W90	12	26.4			9	9	E	LEAR		
02	DSD	0645	0714	S17	W67	12	28.3		31	9	9	E	LEAR	6985	Flare Associated
02	DSD	0708E	0715D	S18	W65	12	28.4		12	9	9	E	SVTO	6985	
02	AFS	0740E	1200D	S18	W65	12	28.5		02	9	9	E	SVTO	6983	
02	DSD	0748E	1200D	S19	W41	12	30.3		02	9	9	E	SVTO	6988	
02	AFS	0752E	1200D	S23	W56	12	29.1		03	9	9	E	SVTO	6985	
02	AFS	0802E	1200D	S10	E24	01	4.1		02	9	9	E	SVTO	6991	
02	AFS	0802E	1200D	S10	E33	01	4.8		02	9	9	E	SVTO	6991	
02	ADF	1012E	1200D	S20	W40	12	30.5	1	06	9	9	E	SVTO	6988	
02	AFS	1055E	1200D	S14	E60	01	7.0		02	9	9	E	SVTO	6994	
02	DSD	1132E	1750D	S13	E20	01	4.0		03	9	9	E	RAMY	6991	
02	ADF	1135E	2037D	S14	W60	12	29.0	1	03	9	9	E	RAMY	6985	
02	AFS	1141E	1200D	N13	E07	01	3.0		01	8	8	E	SVTO		
02	DSF	1200U	0843U	N25	W16	01	1.3		06	0	0	E	SVTO		
02	DSF	1200U	0843U	S21	W43	12	30.3		08	0	0	E	SVTO		
02	DSD	1209E	1750D	S18	E62	01	7.2		02	9	9	E	RAMY	6994	
02	DSD	1403E	1452D	S16	W70	12	28.4		08	9	9	E	RAMY	6985	
02	SSB	1519		154	W21	12	31.8			0	0	E	HOLL		
02	DSD	1600E	2251D	S10	E52	01	6.6		02	9	9	E	HOLL	6993	
02	ASR	1600E	2300D	N04	E90	01	9.4			9	9	E	HOLL	6996	
02	AFS	1600E	2300D	S09	E49	01	6.3		02	9	9	E	HOLL	6993	
02	AFS	1600E	2300D	S14	E56	01	6.9		02	9	9	E	HOLL	6994	
02	DSD	1600E	2340D	S09	E32	01	5.1		02	9	9	E	HOLL	6991	
02	APR	1600E	2340D	S14	W90	12	27.0	2		9	9	E	HOLL	6982	
02	AFS	1600E	2340D	S15	E70	01	8.0		03	9	9	E	HOLL	6994	
02	DSD	1604E	2251D	S16	W68	12	28.6		06	9	9	E	HOLL	6985	
02	ASR	1635E	2340D	S13	W90	12	27.0			9	9	E	HOLL	6982	
02	AFS	1845E	2300D	S21	E56	01	7.1		02	9	9	E	HOLL		
02	DSD	1855E	2300D	S11	E18	01	4.1		02	9	9	E	HOLL	6991	
02	AFS	1855E	2300D	S11	E27	01	4.8		02	9	9	E	HOLL	6991	
02	ASR	1904E	0351D	N04	E90	01	9.5			9	9	E	PALE	6996	
02	ADF	1904E	0351D	N07	E75	01	8.4		07	9	9	E	PALE	6996	
02	AFS	1904E	0351D	S09	E48	01	6.4		03	9	9	E	PALE	6993	

ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
02	DSD	1904E	0351D	S10	E20	01	4.3		02	9	9	E	PALE	6991	
02	ADF	1904E	2345D	S12	W64	12	29.1		08	9	9	E	PALE	6985	
02	SSB	2032		157	W26	12	31.6			0	0	E	PALE		
02	AFS	2039E	0351D	S10	E27	01	4.9		03	9	9	E	PALE	6991	
02	AFS	2145E	0351D	S14	E55	01	7.1		03	9	9	E	PALE	6994	
02	AFS	2232E	0351D	S21	E53	01	7.0		02	9	9	E	PALE		
03	AFS	0234E	1052D	S23	E50	01	6.9		03	9	9	E	LEAR		
03	AFS	0754E	1343D	S14	E48	01	6.9		03	9	9	E	SVTO	6994	
03	AFS	0759E	1343D	S21	E47	01	6.9		03	9	9	E	SVTO		
03	AFS	0806E	1343D	S08	E42	01	6.5		03	9	9	E	SVTO	6993	
03	ADF	0812E	1343D	N11	E81	01	9.4	1	07	9	9	E	SVTO	6996	
03	AFS	0824E	1343D	S13	W34	12	31.8		01	9	9	E	SVTO	6992	
03	AFS	0828E	1343D	S20	W62	12	29.7		02	8	7	E	SVTO	6988	
03	AFS	0828E	1343D	S23	W70	12	29.0		02	8	8	E	SVTO	6985	
03	AFS	1134E	2019D	S13	E15	01	4.6		01	9	9	E	RAMY	6991	
03	DSD	1135E	1801D	S13	E18	01	4.8		01	9	9	E	RAMY	6991	
03	DSD	1145E	1625D	S23	E45	01	6.9		02	9	9	E	RAMY		
03	ASR	1151E	1957D	N17	E90	01	10.3			9	9	E	RAMY		
03	AFS	1157E	2019D	S16	W56	12	30.3		02	9	9	E	RAMY	6988	
03	DSD	1158E	2003D	S12	W49	12	30.9		03	9	9	E	RAMY	6988	
03	AFS	1215E	1343D	S11	E17	01	4.8		02	9	9	E	SVTO	6991	
03	DSD	1215E	1343D	S12	E07	01	4.0		02	9	9	E	SVTO	6991	
03	DSD	1225E	1343D	S07	E32	01	5.9		02	9	9	E	SVTO	6993	
03	DSD	1238E	1631D	S11	E35	01	6.1		02	9	9	E	RAMY	6993	
03	AFS	1439E	2019D	S18	E37	01	6.4		01	9	9	E	RAMY	6994	
03	AFS	1613E	2019D	N11	W10	01	2.9		01	9	9	E	RAMY		
03	AFS	1626E	2019D	S23	E42	01	6.9		02	9	9	E	RAMY		
03	AFS	1631E	2019D	S11	E37	01	6.5		02	9	9	E	RAMY	6993	
03	AFS	1740E	0243D	S11	E33	01	6.2		02	9	9	E	PALE	6993	
03	AFS	1740E	0243D	S18	E35	01	6.4		03	9	9	E	PALE	6994	
03	LPS	1811	2019D	S19	W88	12	28.1			9	9	E	RAMY	6985	
03	LPS	1822E	2304D	S20	W90	12	28.0			9	9	E	PALE	6985	
03	AFS	1827E	0243D	N12	W11	01	2.9		02	9	9	E	PALE		
03	ADF	1827E	0243D	N14	E71	01	9.1		10	9	9	E	PALE	6996	
03	AFS	1827E	0243D	S10	E13	01	4.7		03	9	8	E	PALE	6991	
03	AFS	1905E	0243D	S20	E43	01	7.1		02	9	9	E	PALE	6997	
03	ASR	2016	2019D	N16	E90	01	10.7			9	9	E	RAMY		
03	AFS	2321E	1052D	S17	E52	01	7.9		04	9	9	E	LEAR	6994	
03	AFS	2322E	1035D	S18	E37	01	6.8		04	9	9	E	LEAR	6994	
03	AFS	2323E	1052D	S12	E47	01	7.5		02	9	9	E	LEAR	6993	
03	AFS	2324E	1035D	S09	E33	01	6.4		03	9	9	E	LEAR	6993	
03	AFS	2325E	1052D	S13	E23	01	5.7		03	9	9	E	LEAR	6991	
04	ADF	0115	0300D	N16	E43	01	7.3	1				C	VORO		
04	ADF	0130E	0300D	N02	E01	01	4.1	1				C	VORO		
04	ASR	0330E	1035D	S12	W90	12	28.5			9	9	E	LEAR	6985	
04	AFS	0940E	1227D	S18	E35	01	7.1		02	9	9	E	SVTO	6994	
04	AFS	0941E	1227D	S13	W48	12	31.8		02	9	9	E	SVTO	6992	
04	ASR	0942E	1227D	S15	W90	12	28.7			9	9	E	SVTO	6985	
04	DSD	1201E	1437D	S15	E08	01	5.1		02	9	9	E	RAMY	6991	
04	ASR	1215E	1923	S20	W90	12	28.7			9	9	E	RAMY	6985	
04	AFS	1436E	2136D	S23	E31	01	7.0		02	9	9	E	RAMY	6997	
04	AFS	1440E	1914D	N11	W21	01	3.0		01	9	9	E	RAMY		
04	AFS	1446E	2136D	S17	E32	01	7.0		01	7	7	E	RAMY	6994	
04	AFS	1609E	1923D	S13	W52	12	31.7		01	9	9	E	RAMY	6992	
04	DSD	1747E	1825D	S07	E17	01	6.0		04	9	9	E	RAMY	6993	
04	ASR	1819E	2053D	S14	W90	12	29.1			9	9	E	PALE	6985	
04	DSD	1837E	0338D	S09	E19	01	6.2		02	9	9	E	PALE	6993	
04	ADF	1837E	0338D	S17	W70	12	30.5		05	9	9	E	PALE	6988	
04	DSD	1903	1921	S15	W73	12	30.4		12	9	9	E	RAMY	6988	Flare Associated
04	DSD	1930E	2006D	S14	E22	01	6.5		03	9	9	E	RAMY	6993	
04	ASR	1931E	2003	S14	W90	12	29.1			9	9	E	RAMY	6988	
04	ADF	2058E	0338D	N04	E64	01	9.6	1	05	9	9	E	PALE	6998	
04	ADF	2058E	0338D	S21	E26	01	6.9		07	9	9	E	PALE	6997	
04	ADF	2316E	1039D	N02	E56	01	9.1	1	03	9	9	E	LEAR	6998	
04	ADF	2318E	1039D	S09	E17	01	6.2	1	02	9	9	E	LEAR	6993	
05	ADF	0053E	0208D	N03	W12	01	4.1	1				C	VORO		
05	ADF	0055	0208D	N35	E26	01	7.1	1				C	VORO		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMP CMD	Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
05	ADF	0100E	0208E	N15	E30	01	7.3	1				C	VORO		
05	ASR	0345E	1039D	S16	W90	12	29.4			9	9	E	LEAR	6988	
05	ADF	0840E	1438D	S09	E13	01	6.3	2	05	9	9	E	SVTO	6993	
05	ASR	0840E	1438D	S16	W90	12	29.6			9	9	E	SVTO	6985	
05	ADF	0840E	1438D	S17	E20	01	6.9	1	03	7	9	E	SVTO	6994	
05	AFS	0840E	1438D	S18	E21	01	7.0		02	4	8	E	SVTO	6994	
05	ADF	0902E	1438D	N12	E52	01	9.3	2	09	9	9	E	SVTO	6996	
05	ADF	2119E	2259D	N11	E46	01	9.3	1	12	9	9	E	HOLL	6996	
05	DSD	2119E	2259D	S09	E00	01	5.9		02	9	9	E	HOLL	6993	
05	AFS	2119E	2259D	S10	E06	01	6.3		02	9	9	E	HOLL	6993	
05	ASR	2119E	2259D	S17	W90	12	30.1			9	9	E	HOLL		
05	SSB	2204		123	W33	01	3.4			0	0	E	HOLL		
05	DSD	2345E	1025D	S11	E05	01	6.4		02	9	9	E	LEAR	6993	
05	AFS	2345E	1025D	S17	E09	01	6.7		02	9	9	E	LEAR	6994	
06	ADF	0235E	1025D	S11	E07	01	6.6	2	06	9	9	E	LEAR	6994	
06	DSD	0338	1025D	S12	E02	01	6.3		03	9	9	E	LEAR	6993	Flare Associated
06	ASR	0427E	1025D	S17	W90	12	30.4			9	9	E	LEAR	6988	
06	ADF	0914	1501D	S10	E06	01	6.8	2	05	8	9	E	SVTO	6993	
06	ADF	0914	1501D	S11	W02	01	6.2	2	03	8	9	E	SVTO	6993	
06	AFS	0914	1501D	S12	E01	01	6.5		03	8	9	E	SVTO	6993	
06	AFS	0932	1501D	S16	W01	01	6.3		02	7	8	E	SVTO	6994	
06	AFS	0943	1501D	N07	W29	01	4.2		02	8	9	E	SVTO		
06	ASR	1754E	2342D	S16	W90	12	31.0			9	9	E	PALE	6992	
06	ASR	1754E	2342D	S16	W90	12	31.0			9	9	E	PALE	6992	
06	DSD	1804E	0327D	N17	E43	01	10.0		03	9	9	E	PALE	6999	
06	ADF	1804E	0327D	S08	W05	01	6.4	1	05	9	8	E	PALE	6993	
06	DSD	1812E	0327D	N07	W31	01	4.4		02	9	9	E	PALE		
06	AFS	1812E	0327D	N08	W34	01	4.2		04	9	9	E	PALE		
06	DSD	1812E	0327D	N17	E43	01	10.0		02	7	7	E	PALE	7000	
06	ASR	2313E	1025D	S13	W90	12	31.2			7	9	E	LEAR	6988	
06	DSD	2344E	1025D	S09	W15	01	5.9		05	9	9	E	LEAR	6993	
06	AFS	2344E	1025D	S10	W09	01	6.3		03	9	9	E	LEAR	6993	
06	AFS	2345E	1025D	N09	W35	01	4.4		04	9	9	E	LEAR	7002	
06	AFS	2345E	1025D	S16	E41	01	10.1		02	9	9	E	LEAR	6999	
06	ADF	2346E	1025D	S14	W10	01	6.2	1	08	9	9	E	LEAR	6994	
07	AFS	0526E	1025D	N21	E21	01	8.8		02	7	8	E	LEAR		
07	AFS	0810E	1438D	N17	E35	01	10.0	1	03	9	9	E	SVTO		
07	AFS	0811E	1438D	N08	E14	01	8.4		02	9	8	E	SVTO	6996	
07	AFS	0820E	1438D	N21	E20	01	8.9		01	9	9	E	SVTO		
07	AFS	0821E	1438D	N06	W44	01	4.0	1	03	9	9	E	SVTO	7002	
07	AFS	0840E	1438D	S15	E18	01	8.7		01	8	7	E	SVTO		
07	ASR	0845E	1438D	S12	W90	12	31.6			9	9	E	SVTO		
07	ASR	1035E	1438D	S03	E90	01	14.2			9	9	E	SVTO		
07	SSB	1204		110	W41	01	4.4			0	0	E	RAMY		455 W06
07	AFS	1301E	1824D	N08	W46	01	4.1		03	9	9	E	RAMY	7002	
07	BSD	1357E	1458D	S08	W22	01	5.9		02	9	9	E	RAMY	6993	
07	ASR	1510E	1824D	S07	W90	12	31.9			9	9	E	RAMY	6990	
07	AFS	1650E	1824D	N20	E16	01	8.9		03	9	9	E	RAMY	7005	
07	AFS	1745E	0342D	N07	W49	01	4.1		03	9	9	E	PALE	7002	
07	AFS	1745E	0342D	N15	E28	01	9.8		04	9	9	E	PALE	7003	
07	AFS	1745E	0342D	N21	E14	01	8.8		03	9	9	E	PALE		
07	DSD	1745E	0342D	N26	E47	01	11.4		03	9	9	E	PALE	7001	
07	DSD	1745E	2004D	S10	W17	01	6.5		02	9	9	E	PALE	6993	
07	DSF	1747U	1228U	S27	W43	01	4.4	3	03	0	0	E	RAMY		
07	SSB	1755		434	W08	01	7.1			0	0	E	PALE		107 W41
07	ADF	1755E	0047D	N07	E15	01	8.9		05	9	9	E	PALE	6996	
07	DSD	1755E	2038D	N07	W51	01	3.9		03	9	9	E	PALE	7002	
07	DSD	1755E	2204D	N10	E15	01	8.9		03	9	9	E	PALE	6996	
07	ASR	2200E	0102D	S03	E88	01	14.5			9	9	E	PALE	7007	
07	AFS	2308E	0921D	S09	W23	01	6.2		03	9	9	E	LEAR	6993	
07	AFS	2310E	0921D	S15	W24	01	6.1		04	9	9	E	LEAR	6994	
07	AFS	2311E	0921D	N07	W54	01	3.9		04	9	9	E	LEAR	7002	
07	AFS	2312E	0921D	N16	E26	01	9.9		03	9	9	E	LEAR	7003	
07	AFS	2313E	0921D	N18	E27	01	10.0		03	9	9	E	LEAR	7003	
08	ADF	0047E	0126D	N11	E16	01	9.2	3	10	9	9	E	PALE	6996	
08	ADF	0106E	0301D	N38	W15	01	6.8	1				C	VORO		
08	ADF	0106E	0301D	S08	W25	01	6.2	1				C	VORO		

ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
08	DSF	0126U	0205U	N11	E16	01	9.3		10	0	0	E	PALE	6996	
08	AFS	0800E	1430D	S18	W28	01	6.2		02	9	9	E	SVTO	6994	
08	DSF	0921U	2327U	N31	W06	01	7.9		15	0	0	E	LEAR		
08	AFS	1140E	1430D	S13	W52	01	4.6		03	9	9	E	SVTO	6991	
08	AFS	1142E	1430D	N16	E19	01	9.9		03	9	9	E	SVTO	7003	
08	AFS	1144E	1430D	N05	W58	01	4.1		05	9	9	E	SVTO	7002	
08	AFS	1145E	1430D	N21	E04	01	8.8		03	9	9	E	SVTO	7005	
08	AFS	1148E	1430D	S03	E75	01	14.1	1	03	9	9	E	SVTO	7007	
08	APR	1230E	1430D	S06	E90	01	15.2	1		9	9	E	SVTO		
08	AFS	1249E	2123D	N20	E05	01	8.9		03	9	9	E	RAMY	7005	
08	AFS	1317E	2123D	S16	E01	01	8.6		01	9	9	E	RAMY	7004	
08	AFS	1318E	2123D	N07	W59	01	4.1		04	9	9	E	RAMY	7002	
08	AFS	1330E	2123D	N16	E20	01	10.1		02	7	7	E	RAMY	7003	
08	DSF	1430U	0743U	N35	W24	01	6.7		06	0	0	E	SVTO		
08	AFS	1735E	0125D	N02	W63	01	4.0		04	9	9	E	PALE	7002	
08	AFS	1735E	0125D	N15	E16	01	9.9		04	9	9	E	PALE	7003	
08	AFS	1735E	0125D	N21	E00	01	8.7		03	9	9	E	PALE	7005	
08	SSB	1834		112	W59	01	4.3			0	0	E	PALE		435 W22
08	ASR	2049E	2123D	S08	E90	01	15.6			9	9	E	RAMY		
08	ASR	2054E	2159D	S05	E90	01	15.6			9	9	E	PALE		
08	ADF	2220E	0125D	S12	E29	01	11.1	2	16	9	9	E	PALE		
08	AFS	2220E	0125D	S15	W03	01	8.7		02	9	9	E	PALE	7004	
08	DSD	2340E	0125D	N01	E32	01	11.4		03	9	9	E	PALE		
09	AFS	0124E	1052D	S17	W04	01	8.7		02	9	9	E	LEAR	7004	
09	AFS	1025E	1415D	S03	E59	01	13.8		02	6	6	E	SVTO	7007	
09	ADF	1025E	1415D	S11	W33	01	6.9	1	03	7	9	E	SVTO	6993	
09	AFS	1025E	1415D	S16	W09	01	8.7		02	9	9	E	SVTO	7004	
09	DSF	1415U	0908U	N36	E17	01	10.9		07	0	0	E	SVTO		
09	AFS	1925E	0350D	N07	W75	01	4.2		02	9	9	E	PALE	7002	
09	AFS	1925E	0350D	S16	W13	01	8.8		02	9	9	E	PALE	7004	
09	SSB	1930		110	W72	01	4.4			0	0	E	PALE		434 W35 411 W12
09	AFS	1946E	0350D	N16	E02	01	10.0		03	9	9	E	PALE	7003	
09	DSD	1946E	0350D	S10	W50	01	6.1		04	7	9	E	PALE	6993	
09	APR	2045E	0350D	S04	E85	01	16.2	1		9	9	E	PALE		
10	ADF	0032E	0301D	S02	W16	01	8.8	1				C	VORO		
10	APR	0032E	0301D	S43	E90	01	17.4	1				C	VORO		
10	DSD	0203E	0224	S11	W57	01	5.8		08	9	9	E	LEAR	6993	
10	DSD	0258	0324	S12	W57	01	5.8		13	9	9	E	LEAR	6993	
10	AFS	0434E	1035D	N15	W03	01	10.0		03	9	9	E	LEAR	7003	
10	AFS	0435E	1035D	S16	W21	01	8.6		02	9	9	E	LEAR	7004	
10	AFS	1230E	1946D	S15	W57	01	6.2		02	9	9	E	RAMY	6994	
10	ADF	1237E	1946D	N06	W24	01	8.7	1	05	9	9	E	RAMY	6996	
10	ADF	1357E	1946D	S07	E48	01	14.2	2	02	9	9	E	RAMY	7007	
10	AFS	2325E	1042D	N14	W16	01	9.8		03	9	9	E	LEAR	7003	
10	ADF	2327E	2331D	S08	W65	01	6.1	1	03	9	9	E	LEAR	6993	
10	ADF	2329E	1042D	S05	E38	01	13.8	1	05	9	9	E	LEAR	7007	
10	ASR	2358E	1042D	S10	E90	01	17.8			9	9	E	LEAR		
11	APR	0100E	0300D	N02	W90	01	4.3	1				C	VORO		
11	ADF	0100E	0300D	S38	E43	01	14.5	1				C	VORO		
11	SSB	1958		437	W65	01	6.6			0	0	E	RAMY		
11	ASR	1958E	2011D	S11	W90	01	5.1			9	9	E	RAMY	6993	
11	SSB	2001		434	W61	01	7.0			0	0	E	PALE		
11	DSD	2026E	2033D	S08	E86	01	18.3		03	9	9	E	RAMY	7008	
11	DSD	2356E	0341D	N10	W45	01	8.6		03	9	9	E	PALE	6996	
11	DSD	2356E	0341D	S02	E24	01	13.8		02	9	9	E	PALE	7007	
11	ADF	2356E	0341D	S04	W35	01	9.4		07	9	9	E	PALE	6998	
11	ADF	2356E	0341D	S14	W69	01	6.8	1	07	9	9	E	PALE	6994	
11	DSD	2356E	0341D	S15	W45	01	8.6		03	9	9	E	PALE	7004	
11	ADF	2356E	0341D	S22	W70	01	6.6		06	9	9	E	PALE	6997	
12	ADF	0305E	1035D	S03	E26	01	14.1	2	05	9	9	E	LEAR	7007	
12	AFS	0310E	1035D	S04	E23	01	13.8		02	9	9	E	LEAR	7007	
12	ADF	0920E	1003D	S09	E26	01	14.3	1	07	9	9	E	SVTO	7007	
12	APR	0928E	1003D	S17	W71	01	7.0	1		9	9	E	SVTO	6994	
12	AFS	0935E	1003D	S16	E12	01	13.3		02	9	9	E	SVTO		
12	AFS	0945E	1003D	S17	W50	01	8.6		02	7	5	E	SVTO	7004	
12	DSD	1443E	1515D	N14	W50	01	8.8		07	9	9	E	RAMY	6996	Flare Associated

ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
12	ASR	1750E	0320D	S09	W90	01	6.0			7	6	E	PALE	6993	
12	ADF	1756E	0320D	S19	W75	01	7.0	1	06	9	9	E	PALE	6994	
12	DSD	1804E	0320D	N05	W50	01	9.0		05	9	9	E	PALE	6996	
12	DSD	1804E	0320D	S19	W67	01	7.6		05	9	9	E	PALE	6994	
12	SSB	2220		374	W16	01	11.5			0	0	E	HOLL		
12	ASR	2320E	1035D	S11	W90	01	6.2			9	9	E	LEAR	6994	
12	ADF	2338E	0320D	N00	E08	01	13.6		12	9	8	E	PALE	7007	
12	ADF	2338E	0320D	N13	W40	01	10.0	1	06	9	9	E	PALE	7003	
12	DSD	2338E	0320D	S11	E66	01	17.9		02	9	9	E	PALE	7008	
13	ASR	0859E	1035D	S09	E90	01	20.1			9	9	E	LEAR		
13	AFS	1315E	1348D	N12	E66	01	18.5		02	8	8	E	SVTO		
13	AFS	1315E	1348D	S08	W40	01	10.5		02	9	9	E	SVTO		
13	AFS	1315E	1348D	S14	W50	01	9.8		03	8	8	E	SVTO	7008	
13	ASR	1315E	1348D	S18	W90	01	6.7			9	9	E	SVTO	6994	
13	AFS	1414E	2142D	S12	E57	01	17.9		02	9	9	E	RAMY	7008	
13	ADF	1420E	2142D	N06	W54	01	9.5	1	06	9	9	E	RAMY	6996	
13	SSB	1502		374	W26	01	11.2			0	0	E	HOLL		
13	APR	1602E	1648D	S17	W87	01	7.0	2		9	9	E	RAMY	6994	
13	DSD	1655E	2123D	S10	E54	01	17.8		03	9	9	E	RAMY	7008	
13	DSD	1730E	1827D	S10	E52	01	17.6		03	9	9	E	PALE	7008	
13	AFS	1730E	1827D	S14	E48	01	17.3		03	9	9	E	PALE	7008	
13	AFS	1730E	1827D	S15	W06	01	13.3		01	9	9	E	PALE		
13	ASR	1730E	1827D	S20	W90	01	6.8			9	9	E	PALE	6994	
13	DSD	1740E	1827D	N06	W66	01	8.8		03	9	9	E	PALE	6996	
13	AFS	1740E	1827D	N13	E64	01	18.6		02	9	8	E	PALE		
13	AFS	1740E	1827D	S08	W41	01	10.7		02	8	8	E	PALE		
13	AFS	1740E	1827D	S15	W50	01	9.9		02	9	9	E	PALE		
13	LPS	1751E	1827D	S18	W90	01	6.9			9	9	E	PALE	6994	
13	ASR	2329E	1052D	S17	W90	01	7.1			9	9	E	LEAR	6994	
13	AFS	2331E	1052D	S12	W54	01	9.9		03	9	9	E	LEAR	7010	
14	BSD	0142E	0539D	N20	W72	01	8.6		08	9	9	E	LEAR	7005	
14	APR	0200E	0301D	N17	W90	01	7.2	1				C	VORO		
14	BSL	0242	0301D	S16	W90	01	7.3	1				C	VORO		
14	DSF	1020U	2240U	N19	W22	01	12.7		27	0	0	E	LEAR		
14	ASR	1025E	1230D	S11	E90	01	21.2			9	9	E	SVTO		
14	AFS	1026E	1230D	S07	W14	01	13.4		01	5	6	E	SVTO	7007	
14	SSB	1214		344	W07	01	13.9			0	0	E	RAMY		404 W67
14	DSD	1219E	1708D	S12	W61	01	9.9		03	9	9	E	RAMY	7010	
14	ADF	1219E	2147D	S12	W57	01	10.2	1	03	9	9	E	RAMY	7010	
14	DSD	1228E	1629D	S05	W12	01	13.6		02	9	9	E	RAMY	7007	
14	AFS	1228E	1804D	S06	W12	01	13.6		02	8	7	E	RAMY	7007	
14	DSF	1230U	0813U	N16	W27	01	12.5		16	0	0	E	SVTO		
14	DSF	1230U	0813U	S15	W36	01	11.8		11	0	0	E	SVTO		
14	ADF	1322E	1807D	S18	E48	01	18.2	1	18	9	9	E	RAMY		
14	ASR	1635E	1943	S15	W90	01	7.9			9	9	E	RAMY	7004	
14	AFS	2314E	1039D	S09	E38	01	17.8		05	9	9	E	LEAR	7008	
14	ADF	2316E	1039D	S16	E41	01	18.1	1	07	9	9	E	LEAR	7008	
14	AFS	2325E	1039D	S13	W23	01	13.2		03	9	9	E	LEAR	7011	
15	APR	0156	0325D	N05	W90	01	8.3	1				C	VORO		
15	SSB	0813		345	W18	01	13.8			0	0	E	SVTO		
15	APR	1154E	1320D	N19	W66	01	10.4	2		9	9	E	RAMY	7003	
15	ASR	1210E	1306D	N18	W90	01	8.6			8	7	E	SVTO	6996	
15	DSD	1232E	1329D	N11	E41	01	18.6		03	9	9	E	RAMY	7009	
15	AFS	1240E	1657D	S15	W38	01	12.6		01	9	9	E	RAMY		
15	ADF	1243E	1657D	S11	W72	01	10.1	2	04	9	9	E	RAMY	7010	
15	AFS	1243E	2105D	S12	W75	01	9.9		02	9	9	E	RAMY	7010	
15	DSD	1311E	1939D	S07	W16	01	14.3		03	9	9	E	RAMY	7007	
15	DSD	1318E	1342D	S10	E26	01	17.5		04	9	9	E	RAMY	7008	
15	AFS	1329E	2105D	N11	E42	01	18.7		02	8	8	E	RAMY	7009	
15	DSD	1338E	1306D	S08	W17	01	14.3		04	9	9	E	SVTO	7007	
15	DSD	1546E	2052D	S09	E24	01	17.4		04	9	9	E	RAMY	7008	
15	ADF	1647E	1720D	S11	E26	01	17.6	1	15	9	9	E	RAMY	7008	
15	AFS	1651E	2105D	S15	W07	01	15.2		01	9	9	E	RAMY		
15	SSB	1928		365	W45	01	11.8			0	0	E	PALE		340 W20
15	APR	1928E	0401D	N11	W90	01	9.0			9	9	E	PALE	6996	
15	BSD	1928E	2144D	S14	W80	01	9.8		02	9	9	E	PALE	7010	
15	APR	1938E	2052D	N08	W90	01	9.1	2		9	9	E	RAMY	6996	

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
15	DSD	2324E	1050D	S12	E21	01	17.5		03	9	9	E	LEAR	7008	
15	AFS	2325E	1050D	S06	W31	01	13.6		02	9	9	E	LEAR	7007	
15	AFS	2326E	1050D	N12	E37	01	18.8		01	9	9	E	LEAR	7009	
15	AFS	2327E	1050D	S13	W61	01	11.4		01	9	9	E	LEAR		
15	ADF	2328E	1050D	S11	E23	01	17.7	1	38	9	9	E	LEAR	7008	
16	BSD	0610E	0619D	S13	W85	01	9.8		03	9	9	E	LEAR	7010	
16	SSB	0706		325	W11	01	15.4			0	0	E	SVTO		
16	ASR	0731E	1530D	S14	W90	01	9.5			9	9	E	SVTO	7010	
16	AFS	0748E	1530D	S11	E20	01	17.8		03	8	9	E	SVTO	7008	
16	AFS	0748E	1530D	S12	E17	01	17.6		02	8	9	E	SVTO	7008	
16	ADF	1150E	1530D	S06	W36	01	13.8	1	03	5	7	E	SVTO	7007	
16	AFS	1150E	1530D	S07	W36	01	13.8		03	5	6	E	SVTO	7007	
16	AFS	1255E	1530D	N24	W18	01	15.1		04	9	9	E	SVTO		
16	SSB	1316		345	W34	01	13.7			0	0	E	RAMY		
16	AFS	1317E	1620D	N25	W17	01	15.2		01	9	9	E	RAMY		
16	ASR	1318E	1406	N16	W90	01	9.7			9	9	E	RAMY	7003	
16	ADF	1322E	1525D	S12	E15	01	17.7	1	16	9	9	E	RAMY	7008	
16	ASR	1351E	1404	S12	W90	01	9.8			9	9	E	RAMY	7010	
16	ASR	1520	1539	N15	W90	01	9.8			9	9	E	RAMY	7003	
16	ASR	1520	1614D	N09	W90	01	9.9			9	9	E	RAMY		
16	ADF	1616	2053D	S09	E61	01	21.2	1	06	9	9	E	RAMY	7012	
16	ADF	1849E	0034D	N12	E24	01	18.6	1	05	9	9	E	PALE	7009	
16	DSD	1849E	0034D	S09	E56	01	21.0		03	9	9	E	PALE	7012	
16	DSD	1849E	0034D	S14	E15	01	17.9		04	9	9	E	PALE	7008	
16	AFS	1930E	2111D	S05	W35	01	14.2		02	9	9	E	RAMY	7007	
16	ADF	2047E	0034D	S19	W58	01	12.4	1	07	9	9	E	PALE	7011	
17	SSB	0716		344	W44	01	13.7			0	0	E	SVTO		325 W25
17	DSF	0716U	1036U	N28	W61	01	12.5		07	0	0	E	SVTO		
17	ADF	0830E	1422D	S24	E53	01	21.4	2	28	9	9	E	SVTO	7012	
17	ADF	1036E	1422D	N06	W50	01	13.7	1	26	8	7	E	SVTO	7007	
17	ADF	1229E	2155D	S10	E49	01	21.2	2	09	9	9	E	RAMY	7012	
17	DSF	1422U	0704U	N27	E41	01	20.8		12	0	0	E	SVTO		
17	DSF	1935U	1304U	N44	E28	01	20.1	3	17	0	0	E	RAMY		
17	APR	2111E	0342D	N23	W90	01	10.9			9	9	E	PALE	7001	
17	ADF	2129E	0342D	S03	W35	01	15.3		10	9	9	E	PALE	7013	
17	ADF	2129E	0342D	S10	E45	01	21.3	1	05	9	9	E	PALE	7012	
17	DSD	2129E	0342D	S10	W03	01	17.7		02	9	9	E	PALE	7008	
17	ASR	2236E	0342D	S15	W90	01	11.1			9	9	E	PALE		
18	ASR	0750E	1514D	S13	W90	01	11.5			9	9	E	SVTO		
18	ADF	0751E	1514D	S25	E40	01	21.4	2	21	9	9	E	SVTO	7012	
18	SSB	0752		326	W39	01	15.3			0	0	E	SVTO		
18	AFS	1100E	1514D	S22	W22	01	16.8	1	03	9	9	E	SVTO		
18	AFS	1101E	1514D	S29	W69	01	13.0		02	7	7	E	SVTO		
18	ADF	1128E	2145D	S07	W23	01	16.7	1	08	9	9	E	RAMY	7008	
18	DSF	1246U	1451U	S03	W24	01	16.7		34	0	0	E	SVTO		
18	DSF	1304U	1142U	S07	W26	01	16.6	3	11	0	0	E	RAMY		
18	DSF	1501U	1500U	S07	W29	01	16.4		11	0	0	E	HOLL	7008	
18	ADF	1632E	2202D	S12	E35	01	21.3	1	09	9	9	E	HOLL	7012	
18	DSD	1753E	1955D	S14	E36	01	21.5		02	9	9	E	RAMY	7012	
18	SSB	1810		327	W46	01	15.2			0	0	E	HOLL		349 W68
18	ADF	1842E	0344D	S04	E34	01	21.3	1	09	9	9	E	PALE	7012	
18	DSD	1842E	0344D	S11	W14	01	17.7		02	9	9	E	PALE	7008	
18	DSD	1842E	0344D	S14	E35	01	21.4		03	9	9	E	PALE	7012	
18	DSD	1851E	0344D	N04	E77	01	24.5		02	9	9	E	PALE	7016	
18	ADF	1851E	0344D	S10	E82	01	24.9	1	08	9	9	E	PALE	7017	
18	DSD	1851E	0344D	S10	W60	01	14.3		03	9	9	E	PALE	7007	
18	DSD	1851E	0344D	S15	E85	01	25.2		07	9	9	E	PALE	7017	
19	ADF	0218E	0300D	N23	W38	01	16.2	1				C	VORO		
19	DSF	0344U	2245U	N19	E45	01	22.6		18	0	0	E	PALE		
19	SSB	0732		326	W53	01	15.2			0	0	E	SVTO		
19	AFS	1015E	1516D	N17	E25	01	21.3		03	9	9	E	SVTO		
19	AFS	1015E	1516D	S07	W35	01	16.8		03	9	9	E	SVTO		
19	APR	1043E	1516D	S24	E90	01	26.4	2		9	9	E	SVTO	7017	
19	APR	1043E	1516D	S24	E90	01	26.4	2		9	9	E	SVTO	7017	
19	DSD	1220E	2135D	N01	E72	01	24.9		01	9	9	E	RAMY	7016	
19	AFS	1225E	2135D	S21	W36	01	16.7		01	7	7	E	RAMY	7018	

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
19	AFS	1227E	2135D	N16	E21	01	21.1		01	9	9	E	RAMY	7019	
19	AFS	1233E	2135D	S06	W35	01	16.9		01	9	9	E	RAMY	7020	
19	ASR	1250E	1302	S04	W79	01	13.6			9	9	E	RAMY	7007	Flare Associated
19	ASR	1250E	1415D	S27	W82	01	13.1			9	9	E	RAMY		
19	AFS	1347E	2135D	N17	W30	01	17.3		01	7	7	E	RAMY		
19	AFS	1405E	1516D	N17	W30	01	17.3		01	7	6	E	SVTO		
19	APR	1439E	2135D	S08	E90	01	26.3	2		9	9	E	RAMY		
19	AFS	1455E	1737D	S21	W37	01	16.8		02	9	9	E	HOLL	7018	
19	ASR	1455E	2153D	S27	E90	01	26.6			9	9	E	HOLL		
19	AFS	1455E	2339D	N02	E70	01	24.8		02	9	9	E	HOLL	7016	
19	AFS	1455E	2339D	S07	W36	01	16.9		02	9	9	E	HOLL		
19	DSF	1521U	1536U	N13	E26	01	21.6	3	14	0	0	E	RAMY		
19	AFS	1525E	2339D	N17	E18	01	21.0		03	9	9	E	HOLL		
19	ADF	1629E	2135D	N16	E21	01	21.3	1	03	9	9	E	RAMY	7019	
19	AFS	1737E	2339D	N17	E43	01	23.0		02	9	9	E	HOLL		
19	APR	1737E	2339D	S05	E90	01	26.5	1		9	9	E	HOLL		
19	AFS	1745E	0405D	N16	E18	01	21.1		03	9	9	E	PALE	7019	
19	AFS	1745E	1915D	S21	W39	01	16.7		02	8	8	E	PALE	7018	
19	AFS	1755E	0405D	N02	E68	01	24.8		03	9	9	E	PALE	7016	
19	SSB	1800		330	W62	01	14.9			0	0	E	PALE		
19	ASR	1802E	2029D	S25	E90	01	26.7			9	9	E	PALE		
19	SSB	1815		328	W60	01	15.1			0	0	E	HOLL		
19	EPL	1915E	2010	S14	E90	01	26.6	2		9	9	E	RAMY		
19	ASR	2140E	0055D	S28	W88	01	13.0			9	9	E	PALE		
19	CRN	2145E	2339D	S22	E90	01	26.8		06	7	8	E	HOLL		
19	ASR	2145E	2339D	S27	W86	01	13.2			9	9	E	HOLL		
19	DSF	2151U	1700U	N20	E41	01	23.0		19	0	0	E	HOLL		
19	ASR	2153E	2339D	S12	E90	01	26.7			9	9	E	HOLL		
20	ADF	0025E	0150D	N22	W48	01	16.3	1				C	VORO		
20	APR	0155E	0405D	N07	W90	01	13.3	1		9	9	E	PALE		
20	ASR	0200	0405D	S28	W90	01	13.0			9	9	E	PALE		
20	DSF	0317U	1800U	S30	E09	01	20.8		34	0	0	E	PALE		
20	EPL	0800E	0812D	S19	E90	01	27.2					V	ATHN		
20	APR	0800E	0850D	S37	W90	01	13.1					V	ATHN		
20	AFS	1215E	2126D	N16	E07	01	21.0		01	9	9	E	RAMY	7019	
20	AFS	1220E	2126D	S06	W48	01	16.9		01	9	9	E	RAMY	7020	
20	AFS	1223E	2126D	S17	E57	01	24.8		01	9	9	E	RAMY	7017	
20	AFS	1228E	2126D	N03	E60	01	25.0		01	7	7	E	RAMY	7016	
20	AFS	1231E	2126D	S21	W49	01	16.8		01	7	7	E	RAMY	7018	
20	ASR	1304	2126D	S13	E90	01	27.3			9	9	E	RAMY		
20	DSD	1646E	2126D	N01	E52	01	24.6		02	9	9	E	RAMY	7016	
20	AFS	1655E	2316D	N18	E30	01	23.0		02	8	8	E	HOLL		
20	APR	1655E	2316D	S08	E90	01	27.4	1		9	9	E	HOLL		
20	DSD	1655E	2321D	N01	E52	01	24.6		02	9	9	E	HOLL	7016	
20	AFS	1655E	2321D	N16	E05	01	21.1		03	9	9	E	HOLL	7019	
20	ASR	1655E	2321D	S14	E90	01	27.5			9	9	E	HOLL		
20	AFS	1658E	2126D	N04	E29	01	22.9		02	6	6	E	RAMY		
20	DSF	1703U	2250U	S05	W10	01	20.0		04	0	0	E	HOLL		
20	SSB	1745		330	W75	01	14.8			0	0	E	PALE		
20	AFS	1745E	0323D	S23	W50	01	16.9		02	8	7	E	PALE	7018	
20	AFS	1745E	0400D	N03	E52	01	24.6		02	9	9	E	PALE	7016	
20	AFS	1745E	0400D	N16	E04	01	21.0		02	9	9	E	PALE	7019	
20	ADF	1745E	0400D	S14	W58	01	16.3	1	08	9	9	E	PALE		
20	ASR	1900E	0400D	S12	E90	01	27.6			9	9	E	PALE		
21	AFS	0214E	1002D	N17	W01	01	21.0		04	9	9	E	LEAR	7019	
21	DSF	0325U	1800U	S03	W06	01	20.7		10	0	0	E	PALE		
21	AFS	0515E	1002D	S19	E56	01	25.5		02	9	9	E	LEAR	7017	
21	AFS	0516E	1002D	S06	W60	01	16.7		02	9	9	E	LEAR	7020	
21	AFS	1159E	2157D	N02	E46	01	24.9		02	8	8	E	RAMY	7016	
21	AFS	1159E	2157D	N16	W04	01	21.2		03	9	9	E	RAMY	7019	
21	ADF	1228E	2157D	S16	E59	01	26.0	1	07	9	9	E	RAMY	7025	
21	AFS	1253E	1505D	N17	W07	01	21.0		03	8	9	E	SVTO	7019	
21	DSD	1303E	1810D	N01	E39	01	24.4		08	9	9	E	RAMY	7016	
21	DSD	1345E	1505D	N02	E39	01	24.5		03	6	9	E	SVTO	7016	
21	AFS	1346E	1951D	S27	E63	01	26.5		02	8	8	E	RAMY		
21	ADF	1501E	1638D	S13	W04	01	21.3	2	05	9	9	E	RAMY	7012	
21	DSD	1633E	1810D	S22	E05	01	22.1		01	9	9	E	RAMY	7012	
21	EPL	1728E	1951D	N05	W90	01	15.0	2		9	9	E	RAMY		

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
21	DSD	1735E	0300D	S08	W66	01	16.8		02	9	9	E	PALE	7020	
21	AFS	1735E	0405D	N03	E39	01	24.6		02	9	9	E	PALE	7016	
21	AFS	1735E	0405D	N16	W09	01	21.0		03	9	9	E	PALE	7019	
21	AFS	1735E	0405D	S06	W65	01	16.9		02	9	9	E	PALE	7020	
21	DSD	1941E	2113D	N12	W05	01	21.4		02	9	9	E	RAMY	7019	
21	EPL	2208E	0005D	N00	W90	01	15.2	2		6	6	E	HOLL		
21	AFS	2242E	0005D	S06	W67	01	16.9		03	9	9	E	HOLL	7020	
21	AFS	2243E	0005D	N18	E13	01	22.9		01	8	8	E	HOLL	7022	
21	AFS	2335E	1045D	S20	E47	01	25.6		01	9	9	E	LEAR	7017	
21	AFS	2336E	1045D	N14	W10	01	21.2		03	9	9	E	LEAR	7019	
21	AFS	2337E	1045D	N15	E12	01	22.9		02	9	9	E	LEAR	7022	
21	ADF	2338E	1045D	S20	E59	01	26.5	1	06	9	9	E	LEAR	7025	
22	AFS	0242E	1045D	N00	E36	01	24.8		02	9	9	E	LEAR	7016	
22	DSD	0505E	1045D	N02	E34	01	24.7		07	9	9	E	LEAR	7016	
22	DSD	1210E	1959D	N04	E29	01	24.7		02	9	9	E	RAMY	7016	
22	AFS	1225E	1959D	S12	E59	01	27.0		02	9	9	E	RAMY	7026	
22	AFS	1226E	1959D	S19	E52	01	26.5		02	9	9	E	RAMY	7025	
22	SSB	1447		254	W23	01	20.6			0	0	E	HOLL		
22	DSD	1505E	0016D	S12	E59	01	27.1		04	9	9	E	HOLL	7026	
22	ADF	1756E	0342D	S03	E21	01	24.3	1	06	9	9	E	PALE	7016	
22	ADF	1756E	0342D	S07	W70	01	17.5		04	9	9	E	PALE	7020	
22	ADF	1756E	0342D	S11	W22	01	21.1	1	03	9	9	E	PALE	7012	
22	DSD	1808E	0342D	N11	W25	01	20.9		03	9	9	E	PALE	7019	
22	AFS	1808E	0342D	N14	W22	01	21.1		03	8	9	E	PALE	7019	
22	DSD	1808E	0342D	S16	E37	01	25.6		02	9	8	E	PALE	7017	
22	AFS	1849E	0342D	N18	E01	01	22.9		03	7	7	E	PALE	7022	
22	DSD	1849E	0342D	S10	E11	01	23.6		02	9	9	E	PALE	7023	
22	ADF	1859E	0342D	S02	E60	01	27.3	1	11	9	9	E	PALE	7026	
22	AFS	1959E	1959D	N02	E27	01	24.8		02	9	9	E	RAMY	7016	
22	AFS	2328E	1048D	N15	W25	01	21.1		02	9	9	E	LEAR	7019	
22	AFS	2329E	1048D	S12	E49	01	26.7		02	9	9	E	LEAR	7026	
22	ADF	2330E	1048D	S16	E36	01	25.7	1	13	9	9	E	LEAR	7017	
23	APR	0930E	1145D	S40	W90	01	16.1					V	ATHN		
23	APR	1030E	1145D	N10	E90	01	30.2					V	ATHN		
23	DSD	1421E	1554D	S14	E27	01	25.6		03	9	9	E	RAMY	7017	
23	AFS	1424E	2151D	S21	E14	01	24.7		02	9	9	E	RAMY	7027	
23	ASR	1453E	0017D	S05	E90	01	30.3			9	9	E	HOLL		
23	ADF	1458E	0017D	S05	E47	01	27.1	1	08	9	9	E	HOLL	7026	
23	ASR	1504E	2151D	S06	E90	01	30.4			9	9	E	RAMY		
23	DSD	1506E	1554D	S20	E39	01	26.6		02	9	9	E	RAMY	7028	
23	AFS	1522E	0017D	S21	E12	01	24.6		02	9	9	E	HOLL	7027	
23	ADF	1555E	0017D	S18	W70	01	18.3	1	20	9	9	E	HOLL	7018	
23	DSF	1639U	1542U	S02	E47	01	27.2		09	0	0	E	HOLL	7016	
23	AFS	1758E	2151D	N02	E16	01	24.9		01	9	9	E	RAMY	7016	
23	SSB	1815		220	W05	01	23.4			0	0	E	HOLL		
23	AFS	1826E	0351D	N03	E14	01	24.8		04	7	6	E	PALE	7016	
23	ADF	1826E	0351D	S06	E40	01	26.8	1	08	8	8	E	PALE	7026	
23	ADF	1826E	0351D	S14	E30	01	26.0	1	12	9	9	E	PALE	7024	
23	DSD	1826E	0351D	S21	E13	01	24.8		02	9	9	E	PALE	7027	
23	ADF	1826E	0351D	S31	W60	01	19.0	1	08	9	9	E	PALE		
23	DSD	1831E	2151D	S18	E20	01	25.3		01	9	9	E	RAMY	7017	
23	AFS	2058E	0017D	N16	W39	01	20.9		02	9	9	E	HOLL	7019	
23	ASR	2143E	0351D	S01	E90	01	30.6			9	9	E	PALE		
23	ADF	2200E	0017D	S33	W28	01	21.7	1	17	9	9	E	HOLL	7015	
23	APR	2214E	0017D	N06	E90	01	30.7	1		9	9	E	HOLL		
24	ASR	0254E	1035D	S04	E90	01	30.8			9	9	E	LEAR		
24	AFS	1200E	2147D	S07	E80	01	30.5		02	9	9	E	RAMY	7031	
24	ADF	1202E	1329D	N20	W47	01	20.9	2	11	9	9	E	RAMY	7019	
24	ASR	1210E	1337D	S12	W90	01	17.7			9	9	E	RAMY	7008	
24	SSB	1212		206	W00	01	24.5			0	0	E	RAMY		216 W10 219 W13
24	DSD	1325E	2147D	N14	E52	01	28.5		02	9	9	E	RAMY	7029	
24	DSF	1639U	1618U	N18	E16	01	25.9		22	0	0	E	HOLL		
24	SSB	1640		219	W16	01	23.5			0	0	E	HOLL		
24	ASR	1732E	2010D	S12	E90	01	31.5			9	9	E	HOLL	7031	
24	DSD	1747E	0352D	S20	E10	01	25.5		03	9	9	E	PALE	7017	
24	ADF	1747E	0352D	S31	W45	01	21.2		04	9	9	E	PALE	7015	
24	DSD	1758E	0352D	S18	W14	01	23.7		03	9	9	E	PALE	7023	

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
24	ADF	1758E	0352D	S26	E31	01	27.1	1	06	9	9	E	PALE	7028	
24	DSD	2011E	0018D	N01	W04	01	24.5		03	9	9	E	HOLL	7016	
24	AFS	2012E	0018D	S21	W03	01	24.6		02	9	9	E	HOLL	7027	
24	ASR	2013E	0018D	S12	E90	01	31.6			9	9	E	HOLL		
24	ADF	2016E	0018D	S24	W48	01	21.1	1	16	9	9	E	HOLL	7012	
24	ASR	2043E	2147D	S14	E90	01	31.7			9	9	E	RAMY		
24	AFS	2055E	2147D	S13	E31	01	27.2		01	9	9	E	RAMY	7026	
24	AFS	2059E	2236D	S12	E32	01	27.3		02	9	9	E	HOLL	7026	
25	DSD	0025E	0932D	N01	W07	01	24.5		03	9	9	E	LEAR	7016	
25	DSF	0306U	1945U	S18	W44	01	21.8		13	0	0	E	PALE		
25	DSF	1224U	1415U	N06	W10	01	24.8		08	0	0	E	SVTO		
25	AFS	1240E	2008D	S12	E53	01	29.5		01	7	7	E	RAMY		
25	DSD	1251E	2008D	S06	E63	01	30.2		02	9	9	E	RAMY	7031	
25	ASR	1252E	2008D	S13	E90	02	1.3			9	9	E	RAMY		
25	AFS	1254E	2008D	S15	E26	01	27.5		01	9	9	E	RAMY	7026	
25	BSD	1259E	1458D	N05	E77	01	31.3		03	9	9	E	RAMY	7030	
25	DSD	1317E	2008D	S14	W51	01	21.7		05	9	9	E	RAMY	7012	
25	BSL	1333E	1415D	S13	E90	02	1.3			9	9	E	SVTO		
25	BSL	1335E	1439D	S13	E90	02	1.3			9	9	E	RAMY		
25	ASR	1621E	2048D	S12	E85	02	1.1			9	9	E	HOLL		
25	AFS	1622E	2048D	N04	E54	01	29.7		01	9	9	E	HOLL	7032	
25	AFS	1624E	2048D	S09	E64	01	30.5		03	9	9	E	HOLL	7031	
25	AFS	1625E	2048D	S12	E20	01	27.2		02	9	9	E	HOLL	7026	
25	ADF	1627E	2048D	S04	E66	01	30.6	1	08	9	9	E	HOLL	7031	
25	SSB	1721		200	W11	01	24.9			0	0	E	HOLL		
25	BSD	1735E	0033D	S10	E77	01	31.5		05	9	9	E	PALE		
25	AFS	1735E	0332D	N06	E51	01	29.5		01	9	9	E	PALE	7032	
25	DSD	1735E	0332D	S03	E58	01	30.1		02	9	9	E	PALE	7031	
25	AFS	1735E	0332D	S11	E20	01	27.2		02	9	9	E	PALE	7026	
25	AFS	1735E	0332D	S60	E03	01	26.0		03	9	9	E	PALE	7031	
25	DSD	1747E	0033D	S16	W54	01	21.6		04	9	9	E	PALE	7012	
25	ADF	1747E	0332D	N05	E58	01	30.1	1	07	9	9	E	PALE	7032	
25	ADF	1952E	2008D	N00	E55	01	29.9	2	19	9	9	E	RAMY	7031	
25	SSB	2003		204	W16	01	24.6			0	0	E	PALE		214 W26
25	AFS	2005E	0332D	N08	E63	01	30.6		03	9	9	E	PALE	7030	
25	AFS	2137E	0332D	S17	W57	01	21.6		02	9	9	E	PALE	7012	
25	AFS	2308E	1039D	S11	E16	01	27.2		03	9	9	E	LEAR	7026	
25	AFS	2310E	1039D	S15	W56	01	21.7		03	9	9	E	LEAR	7012	
25	AFS	2313E	1039D	S04	E57	01	30.2		04	9	9	E	LEAR	7031	
26	AFS	1000E	1446D	S12	E11	01	27.2		04	9	9	E	SVTO	7026	
26	AFS	1015E	1446D	N17	E35	01	29.1		03	9	9	E	SVTO	7029	
26	ASR	1140E	1446D	S10	E90	02	2.2			9	6	E	SVTO		
26	DSD	1213E	1446D	N03	W25	01	24.6	2	03	9	9	E	SVTO	7016	
26	AFS	1401E	1446D	S13	W35	01	23.9		02	8	5	E	SVTO		
26	AFS	1433E	2049D	N02	W23	01	24.9		01	7	7	E	RAMY	7016	
26	AFS	1440E	2049D	N05	E51	01	30.4		01	7	7	E	RAMY	7030	
26	AFS	1441E	2049D	S05	E49	01	30.3		01	9	9	E	RAMY	7031	
26	DSD	1445E	1653D	N06	E52	01	30.5		01	9	9	E	RAMY	7031	
26	AFS	1655E	2049D	N05	E41	01	29.8		02	9	9	E	RAMY	7032	
26	AFS	1703E	2049D	S15	W66	01	21.7		02	7	7	E	RAMY	7012	
26	AFS	1740E	0405D	N05	E39	01	29.6		02	9	9	E	PALE	7032	
26	AFS	1740E	0405D	S05	E48	01	30.3		02	9	9	E	PALE	7031	
26	AFS	1740E	0405D	S14	E67	01	31.8		02	9	9	E	PALE		
26	DSD	1750E	0405D	N02	W30	01	24.5		03	9	9	E	PALE	7016	
26	AFS	1750E	0405D	N06	E50	01	30.5		02	9	9	E	PALE	7030	
26	DSD	1750E	0405D	N16	W74	01	21.1		03	9	9	E	PALE	7019	
26	AFS	1750E	0405D	S12	E06	01	27.2		03	9	9	E	PALE	7026	
26	DSD	1757E	0405D	S05	E43	01	30.0		03	9	9	E	PALE	7031	
26	DSD	2026E	2049D	S12	W02	01	26.7		02	9	9	E	RAMY	7026	
26	ASR	2049E	2049D	S23	E88	02	2.6			9	9	E	RAMY		
26	DSD	2135E	0405D	S14	E03	01	27.1		03	9	9	E	PALE	7026	
26	ASR	2152E	2236D	S22	E90	02	2.8			9	9	E	HOLL		Flare Associated
26	ASR	2154E	2315D	S21	E90	02	2.8			9	9	E	PALE		
26	SSB	2215		215	W41	01	23.8			0	0	E	HOLL		
26	AFS	2235E	2236D	N01	E41	01	30.0		02	9	9	E	HOLL	7032	
26	DSD	2235E	2236D	S05	E40	01	29.9		03	9	9	E	HOLL	7031	
26	AFS	2235E	2236D	S05	E43	01	30.1		02	9	9	E	HOLL	7031	
26	AFS	2235E	2236D	S12	E02	01	27.1		03	9	9	E	HOLL	7026	

ACTIVE PROMINENCES AND FILAMENTS

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
26	AFS	2235E	2236D	S13	W06	01	26.5		02	9	9	E	HOLL		
26	DSD	2306E	1030D	S12	E03	01	27.2		02	9	9	E	LEAR	7026	
26	AFS	2309E	1030D	S05	E45	01	30.3		03	9	9	E	LEAR	7031	
26	AFS	2311E	1030D	N07	E38	01	29.8		02	9	9	E	LEAR	7032	
26	ASR	2315E	1030D	S20	W90	01	20.1			9	9	E	LEAR		
26	ASR	2345E	0405D	S21	E90	02	2.9			9	9	E	PALE		
27	AFS	0013E	0405D	S13	W06	01	26.5		02	9	9	E	PALE		
27	ADF	0105E	0138D	S10	E45	01	30.4	1				C	VORO		
27	AFS	0859E	1451D	N06	E31	01	29.7		02	9	9	E	SVTO	7032	
27	ADF	0859E	1451D	N16	E50	01	31.2	1	16	9	9	E	SVTO	7030	
27	AFS	0859E	1451D	S06	E39	01	30.3		04	9	9	E	SVTO	7031	
27	AFS	0859E	1451D	S14	W04	01	27.1		01	9	9	E	SVTO	7026	
27	AFS	0859E	1451D	S14	W11	01	26.5		04	9	9	E	SVTO	7026	
27	DSD	1154E	2151D	S04	E32	01	29.9		03	9	9	E	RAMY	7031	
27	AFS	1154E	2151D	S07	E38	01	30.3		02	9	9	E	RAMY	7031	
27	APR	1205E	2151D	S15	E88	02	3.2			9	9	E	RAMY	7035	
27	DSD	1211E	2020D	S17	W74	01	21.9		03	9	9	E	RAMY	7012	
27	ADF	1235E	1645D	N06	E32	01	29.9	2	06	9	9	E	RAMY	7032	
27	AFS	1235E	2151D	N06	E30	01	29.8		02	9	9	E	RAMY	7032	
27	APR	1305E	1852D	N17	E88	02	3.2	2		9	9	E	RAMY		
27	AFS	1539E	2350D	S06	E36	01	30.3		02	9	9	E	HOLL	7031	
27	DSD	1539E	2350D	S07	E31	01	30.0		02	9	9	E	HOLL	7031	
27	AFS	1639E	2151D	S12	E24	01	29.5		02	9	9	E	RAMY	7038	
27	DSD	1641E	2020D	N08	E72	02	2.1		02	9	9	E	RAMY	7034	
27	ADF	1643E	2151D	S13	E55	01	31.8	1	09	9	9	E	RAMY	7033	
27	SSB	1656		204	W40	01	24.7			0	0	E	RAMY		
27	AFS	1737E	0326D	N06	E26	01	29.7		03	9	9	E	PALE	7032	
27	DSD	1737E	0326D	S06	E28	01	29.8		02	9	9	E	PALE	7031	
27	AFS	1737E	0326D	S06	E33	01	30.2		03	9	9	E	PALE	7031	
27	APR	1737E	0326D	S18	E90	02	3.6	2		9	9	E	PALE		
27	DSD	1737E	2047D	S22	E74	02	2.4		02	9	9	E	PALE		
27	DSD	1746E	2040D	S18	W80	01	21.6		03	9	9	E	PALE	7012	
27	SSB	1834		222	W60	01	23.2			0	0	E	HOLL		
27	APR	1846E	D	N15	E90	02	3.6	2		9	9	E	HOLL		
27	AFS	1846E	2247D	N06	E26	01	29.7		02	9	9	E	HOLL	7032	
27	AFS	1846E	2247D	N06	E33	01	30.2		02	9	9	E	HOLL	7030	
27	AFS	1846E	2350D	S11	E23	01	29.5		02	9	9	E	HOLL	7028	
27	AFS	1846E	2350D	S11	E56	02	1.0		02	8	7	E	HOLL	7033	
27	APR	1846E	2350D	S22	E90	02	3.7	1		9	9	E	HOLL		
27	ASR	1846E	2350D	S26	E90	02	3.8			9	9	E	HOLL		
27	APR	1851E	2020D	S16	W90	01	20.9	2		9	9	E	RAMY	7012	
27	DSD	1855E	2252D	N02	W46	01	24.3		02	9	9	E	HOLL	7016	
27	AFS	1855E	2350D	S13	W17	01	26.5		02	9	9	E	HOLL	7026	
27	APR	1855E	2350D	S16	W86	01	21.3	2		9	9	E	HOLL	7012	
27	ASR	1855E	2235D	S23	E90	02	3.7			9	9	E	PALE		
27	SSB	1910		174	W12	01	26.7			0	0	E	PALE		223 W61
27	AFS	2040E	0326D	N17	E17	01	29.1		02	9	9	E	PALE	7029	
27	ASR	2043E	0326D	S15	E90	02	3.7			9	9	E	PALE	7035	
27	AFS	2249E	2350D	N18	E16	01	29.2		02	9	9	E	HOLL	7029	
27	AFS	2330E	0604D	N17	E15	01	29.1		02	9	9	E	LEAR	7029	
27	AFS	2330E	0604D	S07	E32	01	30.4		03	8	6	E	LEAR	7031	
28	ADF	0059E	0226D	S11	E31	01	30.4	1				C	VORO		
28	BSD	0134E	0326D	S17	W82	01	21.8		06	8	9	E	PALE	7012	
28	DSD	0214	0326D	N04	W50	01	24.3		09	9	9	E	PALE	7016	Flare Associated
28	APR	0300E	0604D	S23	E90	02	4.0	2		9	9	E	LEAR		
28	ASR	0756E	1033D	S24	W90	01	21.4			9	9	E	SVTO		
28	SSB	1205		153	W20	01	26.8			0	0	E	RAMY		
28	AFS	1446E	2158D	S06	E24	01	30.4		03	9	9	E	RAMY	7031	
28	ASR	1447E	2158D	S17	E90	02	4.4			9	9	E	RAMY	7039	
28	AFS	1507E	2158D	N17	E07	01	29.2		02	9	9	E	RAMY	7029	
28	SSB	1547		174	W23	01	26.5			0	0	E	HOLL		
28	DSF	1547U	1540U	S09	E22	01	30.3		09	0	0	E	HOLL		
28	AFS	1650E	0010D	S06	E23	01	30.4		03	9	9	E	HOLL	7031	
28	DSD	1650E	2148D	S04	E17	01	30.0		02	9	9	E	HOLL	7031	
28	ADF	1657E	0010D	S16	E68	02	2.9	2	08	9	9	E	HOLL	7039	
28	EPL	1715E	1830D	S29	E90	02	4.8			9	9	E	HOLL		
28	ASR	1743E	1830D	N11	E90	02	4.5			9	9	E	HOLL		
28	SSB	1918		203	W54	01	24.8			0	0	E	RAMY		

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
28	BSD	2045	2114D	S02	E15	01	30.0		05	9	9	E	HOLL	7031	Flare Associated
28	SSB	2232		178	W24	01	26.7			0	0	E	PALE		
29	AFS	0130E	1045D	N18	E01	01	29.1		03	9	9	E	LEAR	7029	
29	AFS	0133E	1045D	S06	E19	01	30.5		03	5	4	E	LEAR	7031	
29	ASR	0459E	1045D	S15	E90	02	5.0			9	9	E	LEAR	7039	
29	AFS	0845E	1525D	N18	W04	01	29.1		03	9	9	E	SVTO	7029	
29	AFS	0845E	1525D	S12	E01	01	29.4		02	9	9	E	SVTO	7038	
29	AFS	0943E	1525D	S12	W33	01	26.9		03	9	9	E	SVTO	7026	
29	AFS	1124E	2133D	N17	W03	01	29.2		02	8	8	E	RAMY	7029	
29	AFS	1126E	2133D	S08	E13	01	30.4		02	9	9	E	RAMY	7031	
29	AFS	1128E	2133D	S11	E34	02	1.0		02	9	9	E	RAMY	7033	
29	AFS	1129E	2133D	S12	E01	01	29.5		02	9	9	E	RAMY	7038	
29	AFS	1134E	2133D	S13	W38	01	26.6		02	9	9	E	RAMY	7040	
29	ASR	1138E	2133D	N07	E90	02	5.2			9	9	E	RAMY		
29	AFS	1141E	2133D	N11	W41	01	26.4		02	9	9	E	RAMY		
29	SSB	1146		172	W31	01	26.6			0	0	E	RAMY		202 W62
29	APR	1202E	2133D	S02	E90	02	5.2	2		9	9	E	RAMY		
29	MDP	1203E	1637D	N12	E90	02	5.3			9	9	E	RAMY		
29	DSF	1229U	1248U	S32	W01	01	29.4	3	12	0	0	E	RAMY		
29	AFS	1239E	2133D	S15	E74	02	4.1		02	9	9	E	RAMY	7039	
29	DSD	1239E	2133D	S16	E67	02	3.6		03	9	9	E	RAMY	7039	
29	ASR	1240E	1459D	S15	E90	02	5.3			9	9	E	RAMY		
29	DSD	1524E	1710D	S13	W01	01	29.6		03	9	9	E	HOLL	7038	Flare Associated
29	DSD	1531E	2133D	S12	E00	01	29.6		04	9	9	E	RAMY	7038	Flare Associated
29	ASR	1534E	2133D	S10	E90	02	5.4			9	9	E	RAMY		
29	ASR	1534E	2133D	S15	E90	02	5.5			9	9	E	RAMY		
29	SSB	2323		181	W52	01	25.1			0	0	E	PALE		
29	SSB	2329		174	W40	01	26.3			0	0	E	LEAR		
29	AFS	2330E	1042D	N17	W12	01	29.1		02	9	9	E	LEAR	7029	
29	AFS	2331E	1042D	S09	E24	01	31.8		03	9	9	E	LEAR	7033	
29	AFS	2331E	1042D	S11	E25	01	31.9		03	9	9	E	LEAR	7033	
29	ASR	2332E	1042D	N09	E90	02	5.7			7	8	E	LEAR	7041	
29	ASR	2333E	1042D	S15	E90	02	5.8			9	9	E	LEAR		
29	ADF	2334E	1042D	N03	E03	01	30.2	1	07	9	9	E	LEAR	7031	
30	DSF	0002U	0013U	S26	W05	01	29.6		14	0	0	E	LEAR		
30	AFS	0035E	1042D	S26	E16	01	31.3		02	9	9	E	LEAR		
30	ADF	0055E	0214D	N15	W48	01	26.4	1				C	VORO		
30	ADF	0055E	0214D	S43	E30	02	1.5	1				C	VORO		
30	SSB	0921		175	W47	01	26.1			0	0	E	SVTO		
30	ADF	1045E	1425D	S05	W07	01	29.9	2	12	9	9	E	SVTO	7031	Flare Associated
30	ADF	1100E	1425D	S11	W13	01	29.5		04	9	9	E	SVTO	7038	
30	AFS	1100E	1425D	S12	W12	01	29.5		02	9	8	E	SVTO	7038	
30	AFS	1123E	1918D	N16	W16	01	29.3		02	9	9	E	RAMY	7029	
30	ADF	1125E	1918D	S08	W03	01	30.2	1	07	9	9	E	RAMY	7031	
30	SSB	1150		128	W01	01	30.4			0	0	E	RAMY		138 W11 201 W74
30	SSB	1155		437	W00	01	30.5			0	0	E	RAMY		
30	ASR	1257E	1425D	S12	E90	02	6.3			8	9	E	SVTO		
30	DSD	1435E	1624D	S16	W49	01	26.9		08	9	9	E	HOLL	7026	Flare Associated
30	AFS	1445E	0022D	S10	E16	01	31.8		02	8	8	E	HOLL	7033	
30	ASR	1445E	1710D	S13	E84	02	5.9			8	8	E	HOLL		
30	BSD	1556E	1601D	S22	W76	01	24.8		11	9	9	E	HOLL	7031	
30	BSD	1556E	1610D	S22	W76	01	24.8		11	9	9	E	HOLL	7027	Flare Associated
30	BSD	1557	1611D	S21	W79	01	24.6		06	9	9	E	RAMY	7027	Flare Associated
30	AFS	1630E	0022D	S18	W20	01	29.2		02	9	9	E	HOLL	7029	
30	SSB	1650		143	W19	01	29.1			0	0	E	HOLL		190 W66
30	ASR	1710E	0022D	S14	E90	02	6.5			9	9	E	HOLL	7042	Flare Associated
30	ADF	1734E	0326D	S17	W71	01	25.3		04	8	8	E	PALE	7017	
30	ADF	1748E	0326D	S17	W55	01	26.6		07	9	9	E	PALE	7026	
30	ADF	1748E	0326D	S27	W54	01	26.5	1	04	9	9	E	PALE	7028	
30	AFS	1750E	0022D	S12	W17	01	29.5		02	9	9	E	HOLL	7038	
30	AFS	1752E	0326D	N15	W23	01	29.0		03	9	9	E	PALE	7029	
30	ADF	1752E	0326D	N20	W23	01	29.0	1	05	9	9	E	PALE	7029	
30	DSD	1758E	0326D	N07	W01	01	30.7		03	9	9	E	PALE	7030	
30	DSD	1758E	0326D	S04	W15	01	29.6		03	9	9	E	PALE	7031	
30	DSD	1758E	0326D	S06	W13	01	29.8		05	9	9	E	PALE	7031	
30	ADF	1808E	0326D	N06	W12	01	29.8		04	9	9	E	PALE	7032	
30	AFS	1808E	0326D	S10	E14	01	31.8		05	9	9	E	PALE	7033	
30	DSD	1808E	0326D	S11	W17	01	29.5		03	9	9	E	PALE	7038	

ACTIVE PROMINENCES AND FILAMENTS

JANUARY 1992

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	CMP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
30	ADF	1814E	0326D	S16	E60	02	4.3	1	04	9	8	E	PALE	7039	
30	SSB	1819		179	W37	01	27.3			0	0	E	PALE		
30	LPS	1935	2222D	S12	E90	02	6.6			9	9	E	HOLL	7042	
30	ADF	2100E	0022D	S04	W16	01	29.7	1	04	9	9	E	HOLL	7031	
30	ASR	2204E	0022D	S02	W88	01	24.3			9	9	E	HOLL	7016	
30	LPS	2229E	0022D	S09	W08	01	30.3			9	9	E	HOLL	7031	
31	AFS	0055E	0812D	N17	W27	01	29.0		04	9	9	E	LEAR	7029	
31	AFS	0056E	0812D	S10	E10	01	31.8		05	9	9	E	LEAR	7033	
31	AFS	0057E	0812D	S11	W23	01	29.3		06	9	9	E	LEAR	7038	
31	ADF	0058E	0812D	S04	W18	01	29.7	1	04	9	9	E	LEAR	7031	
31	ADF	0059E	0812D	S29	W46	01	27.4	1	11	9	9	E	LEAR	7023	
31	ADF	0100E	0812D	N13	E05	01	31.4	1	05	9	9	E	LEAR	7030	
31	ADF	0101E	0812D	N07	W14	01	30.0	1	04	9	9	E	LEAR	7032	
31	ADF	0102E	0812D	N07	E24	02	1.8	1	05	9	9	E	LEAR	7034	
31	ADF	0103E	0812D	N11	E65	02	4.9	1	12	9	9	E	LEAR	7041	
31	ASR	0643E	0812D	S06	E86	02	6.7			9	5	E	LEAR		
31	ASR	0643E	0812D	S13	E86	02	6.8			9	9	E	LEAR		
31	SSB	0721		172	W56	01	26.2			0	0	E	SVTO		
31	AFS	0735E	1504D	S10	E06	01	31.8		04	9	9	E	SVTO	7033	
31	AFS	0736E	1504D	S15	E49	02	4.0		02	9	9	E	SVTO	7039	
31	ADF	0737E	1504D	S02	W12	01	30.4	2	21	8	9	E	SVTO	7031	
31	AFS	0751E	1504D	N16	W31	01	29.0		03	9	9	E	SVTO	7029	
31	AFS	0805E	1504D	N05	W10	01	30.6		01	9	9	E	SVTO	7030	
31	AFS	1218E	2020D	N18	W32	01	29.1		02	9	9	E	RAMY	7029	
31	ADF	1220E	1504D	S06	W17	01	30.2	2	01	9	9	E	SVTO	7031	Flare Associated
31	ADF	1224E	2020D	N04	W12	01	30.6	1	05	9	9	E	RAMY	7030	
31	AFS	1224E	2020D	N05	W11	01	30.7		02	9	9	E	RAMY	7030	
31	AFS	1240E	1729D	S11	W27	01	29.5		01	9	9	E	RAMY	7038	
31	DSD	1415E	1446	S08	W23	01	29.9	2	06	9	9	E	SVTO	7031	
31	AFS	1510E	0008D	N17	W34	01	29.0		03	9	9	E	HOLL	7029	
31	AFS	1511E	0008D	N04	W12	01	30.7		03	9	9	E	HOLL	7030	
31	AFS	1512E	0008D	S28	E71	02	6.2		02	9	9	E	HOLL		
31	AFS	1513E	2140D	S12	W29	01	29.4		01	9	9	E	HOLL	7038	
31	ASR	1514E	2140D	S02	W90	01	24.9			7	7	E	HOLL	7016	
31	AFS	1515E	2140D	S11	E04	01	31.9		03	9	9	E	HOLL	7033	
31	DSD	1516E	2140D	S13	W69	01	26.4		02	9	9	E	HOLL	7040	
31	DSD	1517E	0008D	S05	W21	01	30.1		03	9	9	E	HOLL	7031	
31	DSD	1517E	0008D	S09	W15	01	30.5		01	9	9	E	HOLL	7031	
31	DSD	1518E	2140D	S15	E21	02	2.2		02	9	9	E	HOLL	7036	
31	AFS	1519E	0008D	S17	E37	02	3.4		02	9	9	E	HOLL	7039	
31	ADF	1526E	0008D	S09	W24	01	29.8	1	09	9	9	E	HOLL	7031	
31	SSB	1600		142	W31	01	29.1			0	0	E	HOLL		168 W57
31	ADF	1810E	2339D	S08	W24	01	29.9	1	07	9	9	E	PALE	7031	
31	AFS	1818E	0402D	N02	E54	02	4.8		01	9	9	E	PALE	7043	
31	AFS	1818E	0402D	N17	W36	01	29.0		03	9	9	E	PALE	7029	
31	AFS	1818E	0402D	S11	E02	01	31.9		02	9	9	E	PALE	7033	
31	AFS	1818E	0402D	S12	W31	01	29.4		02	9	9	E	PALE	7038	
31	BSL	1934E	1955D	N11	E66	02	5.8			9	9	E	RAMY	7042	
31	SSB	2100		110	W02	01	31.7			0	0	E	PALE		138 W30
31	AFS	2308E	0402D	S26	E69	02	6.3		02	9	9	E	PALE	7044	
31	AFS	2335E	1047D	S14	E39	02	3.9		04	9	9	E	LEAR	7039	
31	ADF	2336E	1047D	S06	W26	01	30.0	1	05	9	9	E	LEAR	7031	

ADF = Active Dark Filament
AFS = Arch Filament System
APR = Active Prominence
ASR = Active Surge Region
BSD = Bright Surge on Disk
BSL = Bright Surge on Limb
CAP = CAP Prominence (Tandberg-Hanssen)
CRN = Coronal Rain
DSD = Dark Surge on Disk
EPL = Eruptive Prominence on Limb
LPS = Loops
MDP = Mound Prominence
SDF/DSF = Disappearing Solar Filament
SPY = Spray
SSB = Solar Sector Boundary

For SOLAR SECTOR BOUNDARY REPORTS, the latitude field contains the Carrington longitude of the point where a neutral line crosses the solar equator. The comments field may contain the Carrington longitude and central meridian distance of two more intersection points.

The EXTENT field for limb events is the radial extent above the limb in hundredths of solar radius. For disk events this field contains the heliographic extent in whole degrees.

The remark "Bright Emission 1/3" indicates that bright emission was observed 1/3 of time.
The remark "Normal Emission 1/3" indicates that normal emission was observed 1/3 of time.

Observation Type: C= Cinematographic, E= Electronic, P= Photographic, V= Visual.

*U.S. Government Printing Office: 1992 — 673-029/41010

WORLD DATA CENTER A
FOR
SOLAR-TERRESTRIAL PHYSICS

The ICSU Panel on WDCs has recommended that it would be appropriate courtesy to acknowledge in publications that data were obtained from the originating station or investigator through the intermediary of the WDCs. The following statement is suggested:

"Data used in this study were provided by WDC-A for Solar-Terrestrial Physics, NOAA E/GC2, 325 Broadway, Boulder Colorado 80303, USA."