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S O L A R - G E O P H Y S I C A L D A T A

NUMBER 564

(Issued in Two Parts)

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C O N T E N T S

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PART II (COMPREHENSIVE REPORTS)

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C O N T E N T S

Comprehensive Reports DATA FOR **FEBRUARY 1991** Number 564 Part II

Hα SOLAR FLARES

FEBRUARY 1991

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	0034		0103	No Flare Patrol													
0001	PALE	01	0036E	0052U	0311D	S04	W55	6466	01	28.0	155D	SF	C 9.2	3	E		85		
0002	LEAR	01	0527	0535	0602	S13	E00	6471	02	1.2	35	SF		3	E		80		F
0003		01	0554*	0556*	0643	S07	W57	6466	01	28.1	49	SN					128	2.9	F
	TACH	01	0554	0556	0617	S08	W57	6466	01	28.1	23	SN		1	C	0556	92	1.4	F
	LEAR	01	0604	0606	0702	S04	W58	6466	01	28.0	58	SF		3	E		63		F
	TACH	01	0629	0631	0651	S08	W57	6466	01	28.1	22	1B		1	C	0631	230	4.4	F
0004		01	05588	0558*	0616	S14	W46	6469	01	28.9	18	SN	M 1.0				64	1.8	FZ
	TACH	01	0558	0558	0617	S12	W49	6469	01	28.6	19	SB		1	C	0558	117	1.8	ZF
	LEAR	01	0606	0608	0616	S16	W43	6469	01	29.1	10	SF	M 1.0	3	E		12		F
0005	LEAR	01	0623	0643	0652	S17	W40	6469	01	29.3	29	SF		3	E		40		
0006	PEKG	01	0706	0708	0711	N19	E16	6476	02	2.5	5	SB			P	0706	147	1.8	D
0007	PEKG	01	0719	0720	0730	S16	W45	6469	01	29.0	11	SN			C	0720	105	1.5	E
		01	0736		0819	No Flare Patrol													
		01	0823		0831	No Flare Patrol													
0008	SVTO	01	0831	0831	0842	S12	W39	6469	01	29.5	11	SF	C 5.0	3	E		22		F
		01	0834		0839	No Flare Patrol													
		01	1019		1054	No Flare Patrol													
0009	KANZ	01	1112	1116	1150	S12	W54	6469	01	28.5	38	SF			P				
0010	KANZ	01	1120	1120	1131	S13	W04	6471	02	1.2	11	SF			P				
0011	KANZ	01	1147	1150	1202	S19	W43	6469	01	29.3	15	SF			P				
0012	KANZ	01	1212	1216	1237	S23	W31		01	30.2	25	SF			P				
0013	KANZ	01	1224	1228	1237	S13	W05	6471	02	1.1	13	SF			P				
		01	1248		1256	No Flare Patrol													
0014	KANZ	01	1257E	1301	1338	S17	W48	6469	01	29.0	41D	SF			P				
0015	KANZ	01	1301	1301	1316	S13	W05	6471	02	1.2	15	SF			P				
0016		01	1441	14452	1506	S16	W47	6469	01	29.1	25	SF	C 5.4				19		F
	KANZ	01	1441	1445	1500D	S16	W46	6469	01	29.2	19D	SF			P				
	SVTO	01	1441	1447	1508	S16	W48	6469	01	29.1	27	SF	C 5.4	2	E		20		F
	HOLL	01	1453E	1457U	1504	S15	W46	6469	01	29.2	11D	SF		2	E		18		F
0017		01	16135	16183	1640	S15	W48	6469	01	29.1	27	SN	C 6.2				31		F
	RAMY	01	1613	1621	1646	S15	W49	6469	01	29.1	33	SF		2	E		34		
	HOLL	01	1618	1618	1633	S15	W47	6469	01	29.2	15	SN	C 6.2	3	E		28		F
0018	HOLL	01	1644	1645	1650	S19	W65	6462	01	27.8	6	SF	C 4.3	3	E		32		F
0019		01	17354	17374	1758	S16	W66	6462	01	27.8	23	SF	C 8.7				39		F
	RAMY	01	1735	1737	1807	S17	W64	6462	01	28.0	32	SF	C 8.7	3	E		38		
	HOLL	01	1739	1741	1750	S16	W68	6462	01	27.7	11	SF		3	E		40		F
		01	1836		1842	No Flare Patrol													
0020	HOLL	01	1858	1904	1911	S15	W51	6469	01	29.0	13	SF		3	E		47		F
0021		01	1911*	1917*	1953	S19	W60	6462	01	28.3	42	SF					47		F
	RAMY	01	1911	1917	1930	S19	W58	6462	01	28.5	19	SF		2	E		25		
	PALE	01	1912	1914U	1954	S20	W59	6462	01	28.4	42	SF		3	E		85		
	HOLL	01	1934	1946	2002	S18	W60	6462	01	28.3	28	SF		2	E		42		F
	PALE	01	1956	2002U	2005	S18	W65	6462	01	28.0	9	SF		3	E		35		

FEBRUARY 1991

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	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0022	RAMY	01	1913	1917	1926	S15	W50	6469	01	29.1	13	SF		2	E		24		
0023		01	1942*	2002*	2032	S15	W50	6469	01	29.1	50	SF	C 8.1				44		FK
	HOLL	01	1942	2002	2043	S15	W51	6469	01	29.0	61	SF	C 8.1		E		35		K
	HOLL	01	1942	2013	2043	S15	W51	6469	01	29.0	61	SF		3	E		74		F
	PALE	01	1952E	2004U	2025	S16	W49	6469	01	29.2	33D	SF		3	E		41		
	RAMY	01	2002	2004	2016	S15	W51	6469	01	29.1	14	SF		3	E		28		
0024		01	2007*	20216	2036	S19	W61	6462	01	28.3	29	SF					60		F
	PALE	01	2007	2027	2039	S19	W63	6462	01	28.1	32	SF		3	E		78		
	RAMY	01	2014	2022	2036	S19	W58	6462	01	28.5	22	SF		3	E		43		
	HOLL	01	2017	2021	2032	S19	W61	6462	01	28.3	15	SF		3	E		58		F
0025		01	2027*	20446	2112	S10	W66	6466	01	28.0	45	SF					48		F
	PALE	01	2027	2044	2112	S10	W68	6466	01	27.8	45	SF		3	E		56		
	HOLL	01	2045	2050	2106D	S10	W63	6466	01	28.2	21D	SF		3	E		40		F
		01	2145		2149	No Flare Patrol													
		01	2208		2344	No Flare Patrol													
0026		01	23321	2334	2406	S12	W64	6466	01	28.2	34	SF	C 4.0				52		
	LEAR	01	2332	2334	2407	S12	W63	6466	01	28.3	35	SF	C 4.0	3	E		77		
	PALE	01	2333	2334	2404	S13	W64	6466	01	28.2	31	SF	C 4.0	3	E		27		
0027		02	01211	01336	0159	N15	E08	6485	02	2.7	38	SF					85	1.2	EFIJ
	VORO	02	0121	0139	0159	N15	E08	6485	02	2.7	38	SF		2	C	0139	108	1.2	EIJ
	LEAR	02	0122	0133	0212D	N15	E09	6485	02	2.7	50D	SF		3	E		62		F
0028		02	01324	01371	0144	S10	E66	6480	02	7.0	12	SF					27		
	LEAR	02	0132	0138	0145	S10	E66	6480	02	7.0	13	SF		3	E		36		
	PALE	02	0136	0137	0143	S09	E66	6480	02	7.0	7	SF		3	E		18		
0029	VORO	02	0138	0139	0214	S18	W21	6475	01	31.5	36	SF		2	C	0139	81	0.9	DIJ
0030	PALE	02	0228	0247	0257	S09	E67	6480	02	7.1	29	SF		3	E		73		
0031	VORO	02	0252	0258	0302	N03	E19	6479	02	3.5	10	SF		2	C	0258	125	1.4	EJ
0032	PALE	02	0322	0332	0339	N03	E22	6479	02	3.8	17	SF		3	E		25		
0033	LEAR	02	0358	0359	0405	N04	E20	6479	02	3.7	7	SF		3	E		29		F
0034		02	04294	04344	0438	S16	W58	6469	01	28.9	9	1N					109	3.4	D
	LEAR	02	0429	0438	0442	S15	W56	6469	01	29.0	13	SF		3	E		50		
	PEKG	02	0433	0434	0435	S16	W60	6469	01	28.7	2	1N			P	0435	168	3.4	D
0035	TACH	02	0546	0548	0604	S16	W75	6462	01	27.6	18	SN		1	C	0604	26		D
		02	0651		0701	No Flare Patrol													
0036		02	0752	0707*	0803	S14	W57	6469	01	29.1	11	1N	C 4.7				131	2.4	EFTZ
	TACH	02	0702E	0707	0734	S13	W56	6469	01	29.2	32D	1B		1	C	0707	122	2.2	ETZ
	LEAR	02	0709E	0709	0821	S15	W58	6469	01	29.0	72D	1N	C 4.7	3	E		126		FE
	KANZ	02	0742E		0811	S15	W58	6469	01	29.0	29D	1F			P				
	TACH	02	0752	0756	0801	S11	W55	6469	01	29.3	9	SB		1	C	0756	82	1.4	ETZ
	URUM	02	0800E	0800	0810	S15	W57	6469	01	29.1	10D	1N			C		193	3.6	E
0037		02	07451	07486	0804	S22	E80	6481	02	8.5	19	1N					145		I
	LEAR	02	0745	0754	0807	S22	E81	6481	02	8.5	22	1F		3	E		234		
	TACH	02	0746	0748	0756	S22	E78	6481	02	8.3	10	SB		1	C	0748	56		I
	KANZ	02	0746	0750	0808	S21	E80	6481	02	8.4	22	1F			P				
0038		02	08153	08241	0831	S18	W76	6462	01	27.6	16	1F	M 1.1				119		F
	LEAR	02	0815	0824	0834	S18	W76	6462	01	27.6	19	1F	M 1.1	3	E		119		F
	KANZ	02	0818	0825	0828	S19	W76	6462	01	27.6	10	SF			P				
0039		02	08284	08322	0842	S16	W60	6469	01	28.9	14	SF					29		F
	LEAR	02	0828	0834	0845	S15	W60	6469	01	28.9	17	SF		3	E		29		F
	KANZ	02	0832	0832	0840	S16	W59	6469	01	29.0	8	SF			P				

Hα S O L A R F L A R E S

FEBRUARY 1991

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	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0040	KODA	02	0920	0955	1008	S22	E90	6481	02	9.3	48	2N			P	0955			ABEI
0041		02	10028	10094	1031	S15	W59	6469	01	29.0	29	SF	M 1.0				57		F
	LEAR	02	1002	1009	1029	S15	W59	6469	01	29.0	27	SF	M 1.0	3	E		49		F
	SVTO	02	1004	1012	1036	S15	W59	6469	01	29.0	32	SF		3	E		65		
	KANZ	02	1010	1013	1029	S16	W60	6469	01	29.0	19	SF			P				
0042		02	10424	10591	1125	S16	W60	6469	01	29.0	43	SF					68		
	KANZ	02	1042	1059	1121	S15	W58	6469	01	29.1	39	SF			P				
	SVTO	02	1046	1100	1129	S18	W63	6469	01	28.7	43	SF		3	E		68		
0043		02	1103	11161	1222	S14	W21	6471	01	31.9	79	SF					77		F
	KANZ	02	1103	1117	1223	S12	W22	6471	01	31.8	80	SF			P				
	SVTO	02	1116E	1116	1222	S15	W20	6471	01	31.9	66D	SF		3	E		77		F
0044		02	11412	1143*	1202	S22	E76	6481	02	8.3	21	SF					48		
	SVTO	02	1141	1153	1204	S23	E76	6481	02	8.3	23	SF		3	E		48		
	KANZ	02	1143	1143	1201	S22	E75	6481	02	8.2	18	SF			P				
0045		02	1143	11461	1222	S16	W60	6469	01	29.0	39	1N	M 1.3				119		F
	SVTO	02	1143	1146	1220	S16	W62	6469	01	28.9	37	1N	M 1.3	3	E		119		F
	KANZ	02	1143	1147	1223	S15	W59	6469	01	29.1	40	1F			P				
0046	SVTO	02	1146	1149	1151	N20	E06	6476	02	2.9	5	SF		3	E		10		F
0047		02	12161	12171	1226	S22	E74	6481	02	8.2	10	SF					30		
	SVTO	02	1216	1218	1224	S21	E74	6481	02	8.2	8	SF		3	E		30		
	KANZ	02	1217	1217	1227	S22	E75	6481	02	8.3	10	SF			P				
0048		02	12596	13147	1346	S16	W59	6469	01	29.2	47	1N	M 1.2				217		F
	SVTO	02	1259	1314	1350	S18	W60	6469	01	29.1	51	1F		3	E		132		F
	KANZ	02	1305	1321	1342	S15	W60	6469	01	29.1	37	1N			P				
	RAMY	02	1318E	1320	1338D	S14	W57	6469	01	29.3	20D	2N	M 1.2	3	E		302		
0049		02	1339	13466	1433	S17	W78	6462	01	27.7	54	SF	M 2.0						
	KANZ	02	1339	1346	1433	S15	W77	6462	01	27.8	54	SF			P				
	SVTO	02	1339	1352	1433	S19	W80	6462	01	27.6	54	SF	M 2.0	3	E				
		02	1424		1429	No Flare Patrol													
		02	1513		1529	No Flare Patrol													
0050	SVTO	02	1552	1554	1629	S15	W62	6469	01	29.1	37	SF		3	E				
		02	1608		1642	No Flare Patrol													
		02	1647		1708	No Flare Patrol													
0051	HOLL	02	1817E	1823U	1828D	S15	W66	6469	01	28.9	11D	SF		1	E		47		
0052	HOLL	02	1818E	1819U	1828D	S13	W22	6471	02	1.1	10D	SF		1	E		22		
0053		02	1852*	1853	1920	S14	W64	6469	01	29.0	28	SF					22		FH
	RAMY	02	1852	1853	1920	S14	W63	6469	01	29.1	28	SF		3	E		11		
	HOLL	02	1902	1904U	1921	S14	W64	6469	01	29.0	19	SF		2	E		33		FH
0054	RAMY	02	1923	1939	1950	S14	W63	6469	01	29.1	27	SF		2	E		27		F
		02	2103		2133	No Flare Patrol													
		02	2139		2315	No Flare Patrol													
0055	LEAR	02	2328	2334	2345	S22	E70	6481	02	8.3	17	SF		3	E		42		F
		02	2355		2400	No Flare Patrol													
		03	0000		0015	No Flare Patrol													
0056	LEAR	03	0017	0021	0031	S16	W65	6469	01	29.2	14	SB	M 1.1	3	E		91		
		03	0025		0039	No Flare Patrol													

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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	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0057		03	01021	0105	0118	S16	W70	6469	01	28.8	16	1F	C 6.8				84		D
	LEAR	03	0102	0105	0128	S16	W69	6469	01	28.9	26	SF	C 6.8	3	E		64		
	PEKG	03	0103	0105	0107	S15	W72	6469	01	28.7	4	1F			P	0106	105		D
0058	LEAR	03	0118	0118	0124	S24	E65	6481	02	8.1	6	SF		3	E		37		F
0059	LEAR	03	0230	0234	0301	N20	E10	6476	02	3.9	31	SF		3	E		24		F
0060	LEAR	03	0611	0613	0617	S14	W68	6469	01	29.2	6	SF		3	E		32		F
0061	TACH	03	0653	0657	0700	S14	W65	6469	01	29.5	7	SB		1	C	0657	143		E
0062	SVTO	03	0701	0701	0709	S18	W80	6462	01	28.3	8	SF		2	E		54		
0063		03	0720*	0726*	0737	S15	W69	6469	01	29.2	17	SF					44		F
	LEAR	03	0720	0726	0731	S14	W68	6469	01	29.3	11	SF		3	E		42		F
	KANZ	03	0726E		0729	S16	W68	6469	01	29.2	3D	SF			C				
	LEAR	03	0731	0738	0744	S14	W68	6469	01	29.3	13	SF		3	E		52		F
	SVTO	03	0734	0811	0811D	S16	W74	6469	01	28.8	37D	SN			E		39		
	KANZ	03	0737	0740	0743	S16	W68	6469	01	29.3	6	SF			C				
0064		03	08123	08132	0826	S16	W33	6475	01	31.8	14	SF					24		
	SVTO	03	0812	0813	0825	S16	W33	6475	01	31.8	13	SF		3	E		24		
	KANZ	03	0815	0815	0827	S15	W33	6475	01	31.8	12	SF			C				
0065		03	08421	08491	0856	S14	W69	6469	01	29.2	14	SF	M 1.1				21		F
	LEAR	03	0842	0849	0855	S14	W69	6469	01	29.2	13	SF	M 1.1	3	E		21		F
	KANZ	03	0843	0850	0858	S15	W69	6469	01	29.2	15	SF			P				
0066		03	09151	09166	0946	S15	W71	6469	01	29.1	31	SN	M 2.2				69		
	LEAR	03	0915	0916	0948	S14	W69	6469	01	29.3	33	SN	M 2.2	3	E		49		
	KANZ	03	0916	0916	0944	S16	W70	6469	01	29.2	28	SN			P				
	SVTO	03	0922E	0922	1010D	S16	W74	6469	01	28.9	48D	SF		3	E		89		
0067		03	1048*	1052*	1128	S16	W72	6469	01	29.1	40	1N	M 2.7				166		H
	KANZ	03	1048	1052	1118	S16	W71	6469	01	29.2	30	1N			P				
	SVTO	03	1051E	1053	1142D	S17	W74	6469	01	28.9	51D	1N	M 2.7	3	E		166		H
	KANZ	03	1125	1129	1139	S16	W71	6469	01	29.2	14	SF			P				
0068		03	1148*	1152*	1228	S16	W73	6469	01	29.0	40	SF	C 5.8				33		FHK
	RAMY	03	1148	1153	1156	S15	W75	6469	01	28.9	8	SF		3	E		22		
	KANZ	03	1150	1152	1156	S16	W71	6469	01	29.2	6	SF			P				
	SVTO	03	1151	1207	1228	S17	W74	6469	01	29.0	37	SF		2	E		53		
	RAMY	03	1202	1207	1217	S14	W71	6469	01	29.2	15	SF	C 5.8	3	E		33		F
	KANZ	03	1204	1208	1222	S16	W71	6469	01	29.2	18	SF			P				
	RAMY	03	1218	1225	1254	S15	W75	6469	01	28.9	36	SF			E		30		K
	RAMY	03	1218	1233	1254	S15	W75	6469	01	28.9	36	SF		3	E		28		FH
	KANZ	03	1233	1244	1253	S16	W71	6469	01	29.2	20	SF			P				
0069		03	12053	12084	1228	N20	E04	6476	02	3.8	23	SF					30		F
	SVTO	03	1205	1208	1226	N20	E03	6476	02	3.7	21	SF		2	E		43		
	RAMY	03	1205	1208	1228	N20	E04	6476	02	3.8	23	SF		3	E		17		F
	KANZ	03	1208	1212	1229	N21	E04	6476	02	3.8	21	SF			P				
0070		03	13083	1319*	1346	S16	W75	6469	01	28.9	38	SF	C 6.7				62		F
	RAMY	03	1308	1345	1354	S16	W77	6469	01	28.8	46	SF	C 6.7	3	E		67		F
	SVTO	03	1311E	1319	1325D	S16	W78	6469	01	28.7	14D	SF		2	E		56		
	KANZ	03	1311	1322	1337	S16	W71	6469	01	29.3	26	SF			P				
0071	RAMY	03	1436	1509	1524	S15	W79	6469	01	28.7	48	SF	C 8.3	3	E		16		
0072		03	15263	15341	1554	S15	W76	6469	01	29.0	28	SF					21		
	RAMY	03	1526	1534	1609	S15	W72	6469	01	29.3	43	SF		3	E		17		
	HOLL	03	1529	1535	1540	S15	W79	6469	01	28.8	11	SF		3	E		25		
0073		03	16187	16271	1648	S14	W80	6469	01	28.7	30	1N	C 7.9				84		H
	RAMY	03	1618	1628	1646	S14	W79	6469	01	28.8	28	1F	C 7.9	3	E		102		
	HOLL	03	1625	1627	1651	S15	W80	6469	01	28.7	26	SN	C 7.9	3	E		67		H

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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	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0074	HOLL	03	1721	1722	1726	S09	W86	6466	01	28.4	5	SF		3	E		22		
0075		03	1811*	1812*	1842	S14	W80	6469	01	28.8	31	SF					27		F
	HOLL	03	1811	1812	1830	S15	W80	6469	01	28.8	19	SF		3	E		29		
	RAMY	03	1812	1812	1817	S14	W82	6469	01	28.7	5	SF		3	E		21		
	RAMY	03	1829	1851	1900	S14	W78	6469	01	29.0	31	SF		3	E		25		
	HOLL	03	1831	1854	1903	S14	W80	6469	01	28.8	32	SF		3	E		34		F
0076	RAMY	03	1827	1827	1843	S07	W41	6471	01	31.7	16	SF		3	E		18		
0077	HOLL	03	1943	1943	1949	S14	W77	6469	01	29.1	6	SF		3	E		14		
0078	HOLL	03	2001	2003	2014	S14	W80	6469	01	28.9	13	SF		3	E		34		F
		03	2044		2053	No Flare Patrol													
0079		03	2056	2103	2113	S14	W82	6469	01	28.8	17	1N	C 6.9				99		
	HOLL	03	2056	2103	2113	S14	W81	6469	01	28.8	17	1N	C 6.9	2	E		129		
	RAMY	03	2056	2103	2119D	S14	W82	6469	01	28.8	23D	SF	C 6.9	3	E		69		
		03	2120		2232	No Flare Patrol													
0080	HOLL	03	2158	2209	2214D	S14	W81	6469	01	28.9	16D	1F	M 1.6	3	E		124		F
		03	2240		2400	No Flare Patrol													
0081	LEAR	03	2253	2255	2306	S12	W80	6469	01	29.0	13	SF		3	E		28		
		04	0000		0039	No Flare Patrol													
0082	LEAR	04	0019	0021	0027	S12	W80	6469	01	29.1	8	SF		3	E		26		F
0083		04	0115*	01515	0210	S14	W85	6469	01	28.7	55	1N	M 2.8				96		AEF
	PEKG	04	0115	0155	0210	S15	W88	6469	01	28.5	55	1F			P	0155	84		A
	LEAR	04	0142	0151	0213	S12	W81	6469	01	29.1	31	SN	M 2.8	3	E		94		FE
	MITK	04	0146	0156	0206	S15	W85	6469	01	28.7	20	1N			C	0156	110		
0084		04	0238	0243*	0336	S13	W78	6469	01	29.3	58	SN					56		FK
	LEAR	04	0238	0243	0336	S13	W78	6469	01	29.3	58	SN			E		44		K
	LEAR	04	0238	0258	0336	S13	W78	6469	01	29.3	58	SN		3	E		69		F
		04	0711		0713	No Flare Patrol													
0085		04	08263	08302	0837	S16	W80	6469	01	29.4	11	SN					32		A
	URUM	04	0826	0830	0838	S16	W82	6469	01	29.2	12	SN			C		32		A
	KANZ	04	0829	0832	0836	S15	W79	6469	01	29.5	7	SF			C				
0086		04	08363	08391	0845	S14	W42	6471	02	1.2	9	SF					13		F
	KANZ	04	0836	0840	0847	S14	W42	6471	02	1.2	11	SF			C				
	SVTO	04	0839	0839	0843	S13	W43	6471	02	1.1	4	SF		3	E		13		F
0087	KANZ	04	0957	1000	1004	S13	W47	6471	01	31.9	7	SF			P				
0088		04	10243	10243	1032	S16	W84	6469	01	29.2	8	SF					14		
	SVTO	04	1024	1024	1031	S17	W88	6469	01	28.8	7	SF		3	E		14		
	KANZ	04	1027	1027	1033	S15	W80	6469	01	29.5	6	SF			P				
0089		04	10472	10512	1116	S16	W84	6469	01	29.2	29	1N	M 6.8				204		
	SVTO	04	1047	1051	1117	S17	W87	6469	01	28.9	30	1N	M 6.8	3	E		204		
	KANZ	04	1049	1053	1115	S15	W80	6469	01	29.5	26	1N			P				
0090	KANZ	04	1057	1122	1132	N08	E77	6481A	02	10.2	35	SF			P				
0091		04	11271	1128	1132	S13	W44	6471	02	1.1	5	SF					23		
	SVTO	04	1127	1127U	1137D	S13	W44	6471	02	1.1	10D	SF		2	E		23		
	KANZ	04	1128	1128	1132	S13	W45	6471	02	1.1	4	SF			P				
0092	RAMY	04	1142	1157	1159	S16	W87	6469	01	29.0	17	SF	C 4.8	3	E		61		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Mo	CMP Day	Dur (Min)	Opt	Imp Xray	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0093	HOLL	04	1507	1507	1537	S15	W92	6469	01	28.8	30	SF		3	E		30		
0094		04	1507	1542*	1638	S12	W51	6471	01	31.8	91	1F					102		FHK
	HOLL	04	1507	1542	1638	S12	W51	6471	01	31.8	91	1F			E		130		K
	HOLL	04	1507	1611	1638	S12	W51	6471	01	31.8	91	SF		3	E		75		FH
		04	1517		1640	No Flare Patrol													
0095		04	1551	1607*	1703	S15	W92	6469	01	28.8	72	1F	M 1.2				128		FK
	HOLL	04	1551	1607	1703	S15	W92	6469	01	28.8	72	SF			E		61		K
	HOLL	04	1551	1649	1703	S15	W92	6469	01	28.8	72	1F	M 1.2	3	E		194		F
0096	HOLL	04	1715	1718	1724	N10	E70	6481A	02	10.0	9	SF		3	E		21		
0097		04	17387	17389	1748	S14	W88	6469	01	29.2	10	SF					38		
	RAMY	04	1738	1738	1744	S15	W87	6469	01	29.2	6	SF		3	E		28		
	RAMY	04	1745	1747	1752	S14	W89	6469	01	29.1	7	SF		3	E		48		
0098	HOLL	04	1749	1749	1759	S12	W51	6471	01	31.9	10	SF		3	E		14		F
0099		04	1828*	18422	1913	S15	W88	6469	01	29.2	45	1N	M 3.6				170		F
	HOLL	04	1828	1842	1923	S15	W89	6469	01	29.1	55	1N	M 3.6	3	E		235		F
	RAMY	04	1838	1844	1903	S15	W88	6469	01	29.2	25	1F	M 3.6	3	E		104		
0100		04	1857	18591	1906	S12	W54	6471	01	31.7	9	SF					65		F
	RAMY	04	1857	1859	1905	S12	W54	6471	01	31.7	8	SF		3	E		39		
	HOLL	04	1857	1900	1906	S13	W53	6471	01	31.8	9	SF		3	E		91		F
0101	HOLL	04	2006	2008	2012	N17	W28	6485	02	2.7	6	SF		3	E		31		
		04	2015		2234	No Flare Patrol													
0102	HOLL	04	2027	2028	2038	N21	W13	6476	02	3.8	11	SF		3	E		33		F
0103	HOLL	04	2111	2121	2139	S13	W90	6469	01	29.2	28	SF		3	E		35		
0104	HOLL	04	2219	2228	2246	S11	W55	6471	01	31.8	27	SF		3	E		25		
		04	2247		2334	No Flare Patrol													
0105	LEAR	04	2314	2319	2338	S13	W51	6471	02	1.1	24	SF		2	E		38		
0106	LEAR	04	2322	2323	2337	S17	W82	6469	01	29.8	15	SF		2	E		30		
0107	LEAR	04	2348	2357	2404	S13	W51	6471	02	1.1	16	SF		2	E		25		
0108	VORO	05	0115	0118	0123	S14	W90	6469	01	29.3	8	1F		2	C	0118	63		DH
0109	VORO	05	0150	0152	0155	S11	W54	6471	02	1.0	5	SF		2	C	0152	99	1.7	DIJ
		05	0742		0754	No Flare Patrol													
0110	KHAR	05	0916U	0918	0923	S12	W90	6469	01	29.7	7U	SF			V	0918			DH
0111	KHAR	05	0935U	0937	0942	S20	W90		01	29.6	7U	SF			V	0937			DH
		05	1109		1114	No Flare Patrol													
		05	1116		1120	No Flare Patrol													
0112	RAMY	05	1152	1156	1200	S12	W58	6471	02	1.1	8	SF		3	E		26		
0113	RAMY	05	1215	1217	1225	S09	W57	6471	02	1.2	10	SF		3	E		27		
0114	SVTO	05	1252	1343	1434	S11	W59	6471	02	1.1	102	SF		3	E		49		F
0115		05	14386	14451	1503	S10	W59	6471	02	1.2	25	SF	C 2.7				50		F
	SVTO	05	1438	1445	1510	S12	W60	6471	02	1.1	32	SF	C 2.7	3	E		64		F
	RAMY	05	1444	1446	1456	S09	W58	6471	02	1.3	12	SF		3	E		36		

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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	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0116	RAMY	05	1549	1553	1559	S09	W60	6471	02	1.1	10	SF		3	E		28		
0117		05	1719*	1729*	1803	S09	W65	6471	01	31.8	44	SF	C 3.3				33		FK
	HOLL	05	1719	1729	1807	S09	W67	6471	01	31.7	48	SF			E		27		K
	HOLL	05	1719	1749	1807	S09	W67	6471	01	31.7	48	SF	C 3.3	3	E		55		
	RAMY	05	1749	1749	1756	S09	W61	6471	02	1.2	7	SF		3	E		18		F
0118	HOLL	05	1841	1841	1854	S22	W36	6477	02	3.0	13	SF		3	E		42		F
0119	RAMY	05	1959	1959	2007	S09	W62	6471	02	1.2	8	SF	C 3.4	3	E		28		F
		05	2129		2133	No Flare Patrol													
0120	HOLL	05	2141	2142	2157	N21	W27	6476	02	3.8	16	SF		3	E		24		F
		05	2150		2353	No Flare Patrol													
0121	HOLL	05	2219	2219	2227	S10	W67	6471	01	31.9	8	SF	C 7.9	3	E		12		F
		05	2356		2400	No Flare Patrol													
		06	0000		0035	No Flare Patrol													
0122	LEAR	06	0157	0159	0223	S13	W68	6471	01	31.9	26	SF		3	E		26		
0123		06	0225*	0239*	0335	S14	W62	6471	02	1.4	70	SF					32	0.6	EFK
	LEAR	06	0225	0239	0335	S16	W61	6471	02	1.5	70	SF			E		42		K
	LEAR	06	0225	0249	0335	S16	W61	6471	02	1.5	70	SF		3	E		30		F
	YUNN	06	0237	0239	0246D	S10	W65	6471	02	1.2	9D	SN			P		24	0.6	E
0124		06	0337	03403	0400	S10	W66	6471	02	1.2	23	SN	C 3.2				36		E
	LEAR	06	0337	0340	0401	S10	W65	6471	02	1.3	24	SF	C 3.2	3	E		49		
	YUNN	06	0338E	0343	0359	S11	W66	6471	02	1.2	21D	SN			P		24		E
0125	LEAR	06	0403	0408	0418	N14	E60	6487	02	10.7	15	SF		3	E		27		
0126		06	0412*	04251	0439	S10	W66	6471	02	1.2	27	SN	M 1.9				84	1.9	EN
	LEAR	06	0412	0426	0444	S11	W63	6471	02	1.4	32	1N	M 1.9	3	E		108		E
	YUNN	06	0423E	0423U	0437	S10	W65	6471	02	1.3	14D	SN			P	0423	81	1.9	N
	URUM	06	0424	0425	0435	S10	W69	6471	02	1.0	11	SN			C		64		E
0127		06	0606*	0611*	0733	S11	W69	6471	02	1.1	87	1N	C 5.3				106		DEFKT
	LEAR	06	0606	0611	0646D	S10	W65	6471	02	1.4	40D	SN			E		80		KT
	LEAR	06	0606	0646	0646D	S10	W65	6471	02	1.4	40D	1N	C 5.3	3	E		176		ET
	ABST	06	0647E	0648U	0656	S17	W73	6471	01	31.7	9D	1F			P	0648	174		E
	PEKG	06	0650E	0651	0705D	S10	W68	6471	02	1.2	15D	1N			P	0651	147		D
	SVTO	06	0702E	0735	0747	S10	W70	6471	02	1.0	45D	SF		3	E		24		F
	URUM	06	0745	0751	0755	S10	W72	6471	01	31.9	10	SN			C		32		D
0128	LEAR	06	0624	0635	0656	N15	E63	6487	02	11.0	32	SF		3	E		16		
0129		06	0657*	0813*	0908	N13	E59	6487	02	10.7	131	SF	M 1.1				58	2.0	DFK
	LEAR	06	0657	0813	0837	N14	E58	6487	02	10.7	100	SN			E		36		K
	LEAR	06	0657	0823	0837	N14	E58	6487	02	10.7	100	SF		3	E		57		F
	SVTO	06	0749	0821	0938	N15	E62	6487	02	11.0	109	SF	M 1.1	3	E		66		
	LEAR	06	0843	0857	0946	N14	E58	6487	02	10.7	63	SF		3	E		43		F
	ABST	06	0855	0858	0904	N08	E61	6487	02	10.9	9	SF			C	0858	87	2.0	D
0130		06	0749	0805*	1003D	S10	W67	6471	02	1.3	134D	SN					89		FT
	SVTO	06	0749	0805	0805D	S11	W67	6471	02	1.3	16D	SF		3	E		45		F
	YUNN	06	0827E	0833U	0846D	S09	W68	6471	02	1.2	19D	SN			P	0833	33		
	LEAR	06	0833E	0833	1003D	S10	W65	6471	02	1.5	90D	1N			E		189		T
		06	0906		0924	No Flare Patrol													
0131		06	0920E	0920	1014	S10	W68	6471	02	1.3	54D	1B					64		E
	SVTO	06	0920E	0920	1054	S11	W67	6471	02	1.3	94D	1B			E		97		
	URUM	06	0925E	0925U	0935	S09	W70	6471	02	1.1	10D	SN			C		32		E
		06	0936		0959	No Flare Patrol													

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0132		06	0947	09491	1003	N14	E60	6487	02	10.9	16	SF					70		F
	LEAR	06	0947	0950	1003	N14	E57	6487	02	10.7	16	SF		3	E		84		F
	SVTO	06	0948E	0949	1003	N15	E62	6487	02	11.1	15D	SF		3	E		56		
		06	1106		1300	No Flare Patrol													
0133	SVTO	06	1338E	1339U	1346	S11	W71	6471	02	1.2	8D	SF		2	E		36		
		06	1415		1516	No Flare Patrol													
0134	HOLL	06	1449	1501	1513	S09	W71	6471	02	1.3	24	1N	M 4.0	3	E		200		H
0135	HOLL	06	1456	1507	1537	N15	E57	6487	02	10.9	41	1F		3	E		121		
0136	PALE	06	1727	1729	1735	S13	W76	6471	02	1.0	8	SF		2	E		41		F
0137	PALE	06	1744	1746	1756	S13	W90		01	31.0	12	SF		3	E		49		F
0138		06	1835	1835*	1855	S08	W78	6471	01	31.9	20	SF	M 3.1				42		FK
	HOLL	06	1835	1835	1858	S07	W81	6471	01	31.7	23	SF		3	E		45		
	RAMY	06	1835	1836	1856	S08	W76	6471	02	1.1	21	SF	M 3.1	3	E		48		F
	PALE	06	1835	1837	1848	S09	W75	6471	02	1.1	13	SF	M 3.1	3	E		35		F
	HOLL	06	1835	1848	1858	S07	W81	6471	01	31.7	23	SN			E		41		K
0139	HOLL	06	1938	1938	1943	N16	E57	6487	02	11.1	5	SF		3	E		14		
0140		06	1946*	1948*	2020	S10	W73	6471	02	1.3	34	SF	M 1.0				42		FHK
	HOLL	06	1946	1948	2000	S09	W75	6471	02	1.2	14	SF		3	E		46		
	RAMY	06	1947	1949	2003	S09	W72	6471	02	1.4	16	SF		3	E		33		
	PALE	06	1948	1949	2002	S11	W71	6471	02	1.5	14	SF		3	E		43		
	HOLL	06	2001	2006	2031	S09	W75	6471	02	1.2	30	SF			E		47		K
	HOLL	06	2001	2022	2031	S09	W75	6471	02	1.2	30	SF	M 1.0	3	E		66		FH
	PALE	06	2003E	2009U	2031	S11	W71	6471	02	1.5	28D	SF		3	E		37		
	RAMY	06	2005	2007	2033	S09	W73	6471	02	1.3	28	SF			E		34		K
	RAMY	06	2005	2021	2033	S09	W73	6471	02	1.3	28	SF	M 1.0	3	E		32		
0141		06	2120	21212	2134	S10	W72	6471	02	1.5	14	SF					40		F
	RAMY	06	2120	2121	2135	S09	W72	6471	02	1.5	15	SF		3	E		27		F
	PALE	06	2120	2123	2133	S10	W71	6471	02	1.5	13	SF		3	E		53		
0142		06	21291	2139*	2234	N14	E54	6487	02	11.0	65	1F	M 1.3				127		FU
	RAMY	06	2129	2139	2157D	N11	E54	6487	02	10.9	28D	1F		3	E		116		F
	HOLL	06	2130	2158	2213D	N15	E53	6487	02	10.9	43D	1N	M 1.3	3	E		209		UF
	PALE	06	2204E	2204U	2234	N16	E55	6487	02	11.1	30D	SF		3	E		56		
0143	HOLL	06	2148	2151	2213D	N16	E43	6484	02	10.2	25D	SF		3	E		23		
		06	2158		2335	No Flare Patrol													
0144	HOLL	06	2328	2328	2337	S09	W01	6480	02	6.9	9	SF		3	E		26		
0145	VORO	07	0037	0041	0043	S10	W88	6471	01	31.4	6	1F		1	C	0041	54		DIJ
0146	VORO	07	0108	0110	0119	N22	W45	6476	02	3.6	11	SF		1	C	0110	45	0.7	DIJ
0147	LEAR	07	0246	0247	0258	N16	E51	6487	02	11.0	12	SF		3	E		34		F
0148	PEKG	07	0352	0354	0420	S26	E17	6481	02	8.5	28	SN			P	0354	63	0.7	D
0149	PEKG	07	0545	0546	0550	S10	W04	6480	02	6.9	5	SN			P	0545	63	0.6	D
0150		07	07525	07572	0811	S11	W83	6471	02	1.1	19	1N	C 6.9				90		D
	LEAR	07	0752	0757	0820	S12	W78	6471	02	1.4	28	1N		3	E		106		
	SVTO	07	0755	0757	0808	S10	W82	6471	02	1.2	13	SN	C 6.9	4	E		78		
	ABST	07	0757	0759	0805	S10	W90	6471	01	31.6	8	1N			C	0759	87		D
0151	LEAR	07	0839	0940	1010	S10	W80	6471	02	1.3	91	SF		3	E		97		

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0152		07	08482	08522	0907	N12	E49	6487	02	11.0	19	1N	M 1.0				154	2.6	EF
	YUNN	07	0847E	0853U	0906	N12	E48	6487	02	11.0	19D	1N			P	0853	130	2.1	
	LEAR	07	0848	0852	0913	N13	E49	6487	02	11.1	25	1N	M 1.0	3	E		175		FE
	SVTO	07	0848	0852	0915D	N14	E49	6487	02	11.1	27D	1N	M 1.0	4	E		130		
	ABST	07	0850	0854	0902	N11	E49	6487	02	11.0	12	1N			C	0854	183	3.1	E
		07	1330		1335	No Flare Patrol													
		07	1431		1450	No Flare Patrol													
0153		07	14564	1502*	1545	S10	W87	6471	02	1.1	49	SF	M 8.8				87		FKY
	HOLL	07	1456	1502	1535	S10	W86	6471	02	1.2	39	1F	M 8.8	3	E		156		YF
	RAMY	07	1500	1506	1550	S10	W88	6471	02	1.0	50	SF	M 8.8	3	E		73		
	RAMY	07	1500	1525	1550	S10	W88	6471	02	1.0	50	SF			E		32		K
		07	1511		1521	No Flare Patrol													
		07	1536		1547	No Flare Patrol													
		07	1558		1603	No Flare Patrol													
		07	1615		1624	No Flare Patrol													
		07	1935		2019	No Flare Patrol													
0154	HOLL	07	1959	2000	2004	S12	W88	6471	02	1.2	5	SF	C 5.2	3	E		21		
0155	HOLL	07	2042	2043	2046	S09	W91	6471	02	1.0	4	SF		3	E		27		
		07	2057		2106	No Flare Patrol													
		07	2113		2121	No Flare Patrol													
		07	2127		2333	No Flare Patrol													
0156		07	23473	23513	2401	S11	W87	6471	02	1.4	14	1N	C 6.7				125		DEH
	LEAR	07	2347	2351	2402	S10	W83	6471	02	1.7	15	1N		3	E		129		E
	VORO	07	2350	2352	2359	S10	W89	6471	02	1.3	9	1F		1	C	2352	72		DH
	PALE	07	2350	2352U	2450D	S12	W87	6471	02	1.4	60D	1N	C 6.7	3	E		174		
	HOLL	07	2350	2354	2402	S12	W90	6471	02	1.2	12	1F		3	E		125		
0157		08	00134	00161	0032	S10	W14	6480	02	6.9	19	SF	C 4.4				93	1.4	EHIJT
	LEAR	08	0013	0016	0038	S10	W14	6480	02	6.9	25	SN	C 4.4	3	E		89		EH
	VORO	08	0015	0017	0027	S10	W15	6480	02	6.9	12	SF		1	C	0017	134	1.4	EIJT
	PALE	08	0017	0017	0031	S10	W14	6480	02	6.9	14	SF		3	E		55		
0158		08	01551	01571	0206	S10	W16	6480	02	6.9	11	SF	C 4.6				38	0.6	EIJT
	LEAR	08	0155	0157	0207	S10	W15	6480	02	6.9	12	SF	C 4.6	3	E		22		
	VORO	08	0156	0158	0206	S09	W16	6480	02	6.9	10	SF		1	C	0158	54	0.6	EIJT
0159		08	02441	02452	0252	S13	W87	6471	02	1.5	8	SF	M 2.1				67		DE
	LEAR	08	0244	0245	0252	S13	W86	6471	02	1.6	8	SN	M 2.1	3	E		67		E
	VORO	08	0245	0247	0252	S13	W90	6471	02	1.3	7	1F		1	C	0247	63		D
	PALE	08	0245	0247	0252	S13	W84	6471	02	1.8	7	SF	M 2.1	3	E		72		
0160	LEAR	08	0515	0517	0521	S11	W86	6471	02	1.7	6	SF	C 4.8	3	E		24		
0161		08	0524*	0554*	0720	N14	E34	6487	02	10.8	116	1F					257	6.1	EFK
	LEAR	08	0524	0554	0721	N14	E36	6487	02	10.9	117	SF			E		67		K
	LEAR	08	0524	0643	0721	N14	E36	6487	02	10.9	117	SF		3	E		46		F
	PEKG	08	0625	0632	0650D	N14	E33	6487	02	10.8	25D	2N			P	0632	589	7.9	E
	YUNN	08	0653E	0653U	0717	N14	E33	6487	02	10.8	24D	1F			P	0653	325	4.3	
0162	LEAR	08	0630	0646	0654	N13	E23	6484	02	10.0	24	SF		3	E		33		F
0163		08	0804	0805	0814	S10	W18	6480	02	7.0	10	SN					80	1.2	EF
	YUNN	08	0803E	0805U	0811	S11	W19	6480	02	6.9	8D	SN			P	0805	114	1.2	
	LEAR	08	0804	0805	0818	S10	W18	6480	02	7.0	14	SF		3	E		46		FE
		08	1443		1451	No Flare Patrol													
0164	RAMY	08	1531	1533	1554	N11	E29	6487	02	10.8	23	SF		3	E		12		
0165	RAMY	08	1615	1615	1622	S12	W90	6471	02	1.9	7	SF	M 7.2	3	E		50		

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0166		08	1623	1630*	1801	N11	E30	6487	02	10.9	98	SF					78		FK
	RAMY	08	1623	1630	1801	N11	E30	6487	02	10.9	98	SF		3	E		68		F
	RAMY	08	1623	1703	1801	N11	E30	6487	02	10.9	98	SF			E		87		K
0167	RAMY	08	1703	1703	1712	N15	E18	6484	02	10.1	9	SF		3	E		19		F
0168	HOLL	08	2001	2003	2005	N10	E31	6487	02	11.2	4	SF		3	E		52		
0169		08	2055	2126*	2212	N13	E28	6487	02	11.0	77	SF	C 3.3				56		FK
	HOLL	08	2009E	2128U	2233D	N14	E27	6487	02	10.9	144D	SF	C 3.3	3	E		95		F
	RAMY	08	2055	2126	2212	N13	E28	6487	02	11.0	77	SF			E		34		K
	RAMY	08	2055	2143	2212	N13	E28	6487	02	11.0	77	SF		3	E		39		F
		08	2217		2251	No Flare Patrol													
		08	2323		2336	No Flare Patrol													
0170	LEAR	08	2337	2350	2424	N11	E29	6487	02	11.2	47	SF		3	E		40		F
0171		09	00416	00564	0116	N12	E28	6487	02	11.1	35	SF	C 3.0				60		F
	LEAR	09	0041	0056	0121	N11	E28	6487	02	11.1	40	SF	C 3.0	3	E		80		F
	PALE	09	0047	0100	0111	N13	E28	6487	02	11.1	24	SF		3	E		39		
0172	LEAR	09	0147	0156	0210	N14	E25	6487	02	11.0	23	SF		3	E		24		F
		09	0736		0744	No Flare Patrol													
		09	0753		0759	No Flare Patrol													
		09	1516		1524	No Flare Patrol													
		09	1551		1621	No Flare Patrol													
		09	1707		1711	No Flare Patrol													
		09	1834		1934	No Flare Patrol													
0173	PALE	09	2011	2014	2024	N15	E17	6487	02	11.1	13	SF		3	E		10		
		09	2035		2057	No Flare Patrol													
		09	2125		2147	No Flare Patrol													
0174	PALE	09	2203	2205	2223D	N13	E15	6487	02	11.0	20D	SF		3	E		17		F
		09	2209		2220	No Flare Patrol													
		09	2255		2300	No Flare Patrol													
		09	2319		2325	No Flare Patrol													
0175	PALE	09	2348	2348	2353	N13	E14	6487	02	11.0	5	SF	C 2.1	3	E		20		F
0176		10	0043	00475	0058	N12	E13	6487	02	11.0	15	SF	C 1.7				29		F
	PALE	10	0043	0047	0051	N13	E14	6487	02	11.1	8	SF		3	E		32		F
	LEAR	10	0043	0052	0104	N11	E12	6487	02	10.9	21	SF	C 1.7	3	E		26		F
0177		10	0113	01121	0124	N13	E14	6487	02	11.1	11	SF	C 2.7				84	1.4	EFIJ
	VORO	10	0111U	0112	0122	N13	E13	6487	02	11.0	11U	SF		1	C	0112	125	1.4	EIJ
	PALE	10	0113	0113	0125	N13	E14	6487	02	11.1	12	SF	C 2.7	3	E		44		F
0178	YUNN	10	0240	0244	0254	N13	E13	6487	02	11.1	14	SN			C		81	0.9	
0179	YUNN	10	0303	0310U	0310D	N10	E10	6487	02	10.9	7D	SN			P	0310	16	0.2	
0180	PEKG	10	0528	0535	0615	N11	E07	6487	02	10.7	47	1N			P	0535	210	2.3	E
		10	0911		0930	No Flare Patrol													
0181	SVTO	10	1035	1036	1053	N13	E10	6487	02	11.2	18	SF	C 1.2	3	E		17		F
		10	1059		1119	No Flare Patrol													
0182	SVTO	10	1108	1111	1122	N13	E08	6487	02	11.1	14	SF		3	E		17		
		10	1231		1236	No Flare Patrol													
		10	1250		1344	No Flare Patrol													

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0183	SVTO	10	1401	1411	1420	N15	E05	6487	02	11.0	19	SF	C 1.5	3	E		20		
		10	1530		1902	No Flare Patrol													
0184	RAMY	10	1905	1909	1911	N13	E04	6487	02	11.1	6	SF		3	E		13		
0185		10	19443	19481	2008	N14	E04	6487	02	11.1	24	SF	C 3.1				40		F
	PALE	10	1944	1949	2012	N14	E04	6487	02	11.1	28	SF	C 3.1	3	E		30		
	RAMY	10	1947	1948	2003	N13	E03	6487	02	11.0	16	SF	C 3.1	3	E		51		F
0186		10	2040	2048U	2111D	N13	E02	6487	02	11.0	31D	SF	C 3.7				25		F
	RAMY	10	2040	2050U	2111D	N13	E02	6487	02	11.0	31D	SF	C 3.7	3	E		28		F
	PALE	10	2047E	2048U	2105D	N13	E03	6487	02	11.1	18D	SF	C 3.7	3	E		22		F
		10	2043		2048	No Flare Patrol													
		10	2133		2342	No Flare Patrol													
0187	LEAR	10	2311	2341	2436	N13	E01	6487	02	11.0	85	SF		3	E		96		F
0188	LEAR	11	0039	0054	0105	N13	E02	6487	02	11.2	26	SF		3	E		26		F
0189		11	0131	0148	0209	N13	W13	6484	02	10.1	38	SF					27		F
	PALE	11	0128E	0144U	0211D	N13	W13	6484	02	10.1	43D	SF		3	E		39		F
	LEAR	11	0131	0148	0209	N13	W13	6484	02	10.1	38	SF		3	E		15		
0190		11	01523	01543	0206	N14	E00	6487	02	11.1	14	SN	M 1.1				147	1.9	DEFIJ
	PEKG	11	0152	0156	0207	N14	E00	6487	02	11.1	15	1B			C	0156	336	3.7	D
	YUNN	11	0153	0154	0205	N14	W01	6487	02	11.0	12	SB			C		81	0.9	
	MITK	11	0154	0156	0205	N14	W00	6487	02	11.1	11	SN			C	0156			
	VORO	11	0155	0157	0206	N15	E01	6487	02	11.1	11	SF		2	C	0157	108	1.2	EIJ
	PALE	11	0159E	0200U	0229D	N14	E01	6487	02	11.1	30D	SF	M 1.1	3	E		62		F
0191	PALE	11	0336E	0336U	0341	N14	E00	6487	02	11.2	5D	SF		3	E		13		
0192		11	05521	05551	0602	N14	W02	6487	02	11.1	10	SN	C 2.7				107	1.8	D
	PEKG	11	0552	0555	0558	N14	W02	6487	02	11.1	6	SB			C	0555	168	1.8	D
	LEAR	11	0553	0556	0605	N13	W01	6487	02	11.2	12	SF	C 2.7	3	E		46		
0193		11	06524	06554	0710	S10	E46	6495A	02	14.7	18	SN					60	1.3	D
	LEAR	11	0652	0655	0712	S10	E45	6495A	02	14.7	20	SF		3	E		35		
	PEKG	11	0656	0659	0708	S10	E46	6495A	02	14.7	12	SB			C	0659	84	1.3	D
0194	LEAR	11	0659	0659	0709	S12	E37	6489	02	14.1	10	SF	C 1.3	3	E		14		
0195		11	09058	09161	1001	N12	W04	6487	02	11.1	56	1N	C 2.3				127	2.2	F
	HTPR	11	0905	0917	1000	N12	W05	6487	02	11.0	55	1N			C	0917	160	2.2	
	LEAR	11	0913	0916	1002	N11	W04	6487	02	11.1	49	SF	C 2.3	3	E		94		F
0196		11	09104	09153	0937	N14	W22	6484	02	9.7	27	SF					22	0.3	F
	LEAR	11	0910	0915	0944	N14	W21	6484	02	9.8	34	SF		3	E		15		F
	HTPR	11	0914	0918	0930	N15	W22	6484	02	9.7	16	SF			C	0918	30	0.3	
0197		11	10052	1010	1027	S09	E42	6495A	02	14.6	22	SF					48	0.8	E
	HTPR	11	1005	1010	1025	S08	E42	6495A	02	14.6	20	SF			C	1010	60	0.8	E
	LEAR	11	1007	1010	1029	S10	E43	6495A	02	14.6	22	SF		3	E		36		
0198	HTPR	11	1102	1121	1140	S08	E42	6491	02	14.6	38	SF			C	1121	100	1.3	E
0199	HTPR	11	1117	1120	1135	S15	E27	6488	02	13.5	18	SF			C	1120	50	0.6	
0200	HTPR	11	1230	1232	1250	S08	E42	6491	02	14.7	20	SF			C	1232	50	0.6	
0201	HTPR	11	1415	1418	1435	N14	W21	6484	02	10.0	20	SF			C	1418	60	0.7	
		11	1617		2007	No Flare Patrol													
		11	2020		2400	No Flare Patrol													
0202	PALE	11	2115E	2116	2154D	N14	W27	6484	02	9.8	39D	SF	C 2.0	3	E		26		F
		12	0000		0012	No Flare Patrol													

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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	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		12	0022		0031	No Flare Patrol														
0203	LEAR	12	0050	0052	0104	N24	E73	6498	02	17.7	14	SF			3	E		27		
0204	LEAR	12	0107	0147	0200	N14	W30	6484	02	9.8	53	SF			3	E		43		
0205	LEAR	12	0233	0243	0246	N25	E73	6498	02	17.8	13	SF			3	E		24		F
0206		12	0329*	03592	0438	N10	W30	6484	02	9.9	69	1N						155	3.2	DFH
	LEAR	12	0329	0359	0502	N09	W30	6484	02	9.9	93	SF			3	E		58		FH
	PEKG	12	0350	0401	0413	N10	W30	6484	02	9.9	23	1B				P	0401	252	3.2	D
0207	LEAR	12	0600	0617	0626	N27	E64	6496	02	17.2	26	SF			3	E		25		
0208	LEAR	12	0743	0754	0825	N10	W32	6484	02	9.9	42	SF			3	E		42		
0209	LEAR	12	0750	0756	0812	S13	W16	6492	02	11.1	22	SF			3	E		45		
0210	HTPR	12	1052	1100	1115	S12	W21	6492	02	10.9	23	SF				C	1100	40	0.4	
		12	1507		1656	No Flare Patrol														
		12	1701		2331	No Flare Patrol														
0211	MITK	13	0037	0041	0055	N13	W38	6484	02	10.1	18	1F				C	0041	150	2.1	
0212	YUNN	13	0315E	0315U	0317D	S13	E87	6497	02	19.7	2D	SN				P	0315	33		A
0213	URUM	13	0525E	0525U	0530	N10	W45	6484	02	9.8	5D	SN				C		80	1.2	D
0214	HTPR	13	0904	0913	0935	S11	E14	6489	02	14.4	31	SF				C	0913	60	0.6	
0215	HTPR	13	1004	1005	1020	S12	W37	6492	02	10.6	16	SF				C	1005	70	0.8	
		13	1333		1334	No Flare Patrol														
0216		13	1459*	15082	1522	S12	W36	6492	02	10.9	23	SF	C	2.8				32		F
	RAMY	13	1459	1508	1523	S11	W35	6492	02	11.0	24	SF	C	2.8	3	E		24		F
	HOLL	13	1503E	1503U	1530D	S14	W37	6492	02	8.6	27D	SF			1	E		48		F
	SVTO	13	1510	1510	1521	S11	W37	6492	02	10.8	11	SF			3	E		25		F
0217	SVTO	13	1511	1514	1522	N09	W51	6484	02	9.8	11	SF			3	E		14		F
0218		13	1536	1541	1549	S10	W36	6492	02	10.9	13	SF						42		F
	RAMY	13	1536	1541	1545	S10	W35	6492	02	11.0	9	SF			3	E		15		F
	HOLL	13	1538E	1538U	1553	S11	W37	6492	02	10.9	15D	SF			3	E		69		
0219	HOLL	13	1634	1646	1708	S11	W37	6492	02	10.9	34	SF	C	1.7	3	E		32		
		13	1636		1839	No Flare Patrol														
0220	HOLL	13	1715	1725	1821	N10	W52	6484	02	9.8	66	SF	C	2.3	3	E		63		
		13	1850		2020	No Flare Patrol														
0221	HOLL	13	1859	1902	1934	S11	W39	6492	02	10.8	35	SF			3	E		19		
0222	HOLL	13	1900	1910	1946	N11	W33	6487	02	11.3	46	SF			3	E		53		
0223	HOLL	13	1919	1922	1926	N10	W53	6484	02	9.8	7	SF	C	1.3	3	E		28		
0224	HOLL	13	2004	2130	2239	S15	E75	6497	02	19.5	155	SF			3	E		32		
		13	2025		2313	No Flare Patrol														
0225	HOLL	13	2134	2149	2246	S11	W41	6492	02	10.8	72	SF	C	4.4	3	E		54		F
0226	PALE	13	2141E		2228D	N11	W32	6487	02	11.5	47D	SF			3	E		60		F

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0227		13	23153	2319	2340	N12	W52	6484	02	10.0	25	SF	C 2.2				45		F
	LEAR	13	2315	2319	2348	N12	W52	6484	02	10.0	33	SF	C 2.2	3	E		62		F
	HOLL	13	2318	2319	2332	N13	W53	6484	02	10.0	14	SF	C 2.2	3	E		28		F
0228		13	23471	23491	2353	S15	E72	6497	02	19.4	6	SF					28		
	HOLL	13	2347	2350	2352	S15	E72	6497	02	19.4	5	SF		3	E		26		
	LEAR	13	2348	2349	2354	S15	E71	6497	02	19.4	6	SF		3	E		30		
0229	PALE	14	0325	0329	0340	S15	W43	6492	02	10.9	15	SF	C 2.5	3	E		20		
0230	URUM	14	0610	0615	0615D	S12	W46	6492	02	10.8	5D	1N			C		209	3.1	E
0231	HTPR	14	0837	0840	0848	N14	E65		02	19.3	11	SF			C	0840	40	0.8	
0232		14	1100*	11141	1122	S11	E63	6497	02	19.2	22	SN					50	1.2	
	HTPR	14	1100	1114	1125	S10	E61	6497	02	19.0	25	SN			C	1114	50	1.2	
	KANZ	14	1115	1115	1119	S12	E65	6497	02	19.4	4	SF			P				
0233		14	1231	12332	1318	N09	W47	6487	02	11.0	47	2B	M 3.6				296	5.0	F
	RAMY	14	1231	1233	1320	N10	W45	6487	02	11.1	49	2B	M 3.6	3	E		273		F
	HTPR	14	1231	1233	1320	N08	W48	6487	02	10.9	49	1B			C	1233	320	5.0	
	KANZ	14	1231	1235	1314	N10	W48	6487	02	10.9	43	2B			P				
0234		14	12351	12362	1247	N18	W57	6484	02	10.2	12	SF					74		F
	KANZ	14	1235	1238	1242	N20	W59	6484	02	10.0	7	SF			P				
	RAMY	14	1236	1236	1252	N17	W55	6484	02	10.3	16	SF		3	E		74		F
0235		14	1833*	1837*	1952	N28	E34	6496	02	17.4	79	SF	C 2.4				47		F
	PALE	14	1833	1837	1933	N28	E34	6496	02	17.4	60	SF	C 2.4	3	E		32		F
	HOLL	14	1909	1920	2010	N27	E34	6496	02	17.4	61	SF		3	E		62		
		14	1853		1859	No Flare Patrol													
0236	HOLL	14	1909E	1910U	2042D	N10	W66	6484	02	9.8	93D	SF		3	E		50		F
		14	1909		2400	No Flare Patrol													
0237	HOLL	14	1928	1939	1949	S11	E58	6497	02	19.2	21	SF		3	E		21		
0238	HOLL	14	2012	2013	2021	N23	E36	6498	02	17.6	9	SF		3	E		15		
0239	HOLL	14	2140	2141	2205	S10	W39	6490	02	12.0	25	SF		3	E		14		
0240	HOLL	14	2151	2155	2213	N10	W68	6484	02	9.8	22	SF		3	E		36		
		15	0000		0106	No Flare Patrol													
		15	0112		0129	No Flare Patrol													
0241	YUNN	15	0132	0145	0207	S17	E88	6504	02	21.7	35	SN			C		49		A
		15	0157		0159	No Flare Patrol													
0242	LEAR	15	0341	0342	0359	S06	E10	6500	02	15.9	18	SF		3	E		27		
0243	LEAR	15	0531	0540	0603	N12	W69	6484	02	10.0	32	1F	C 4.7	3	E		129		
0244		15	0724	0731*	0933	S11	W59	6492	02	10.9	129	1F	C 3.9				76		K
	LEAR	15	0724	0731	0933	S11	W59	6492	02	10.9	129	SF			E		51		K
	LEAR	15	0724	0836	0933	S11	W59	6492	02	10.9	129	1F	C 3.9	3	E		102		
0245	LEAR	15	0732	0741	0743	N12	W70	6484	02	10.0	11	SF		3	E		47		
0246		15	08201	08342	0858	S18	E89	6504	02	22.1	38	SF					28		
	LEAR	15	0820	0836	0857	S18	E88	6504	02	22.0	37	SF		3	E		36		
	HTPR	15	0821	0834	0900	S18	E90	6504	02	22.2	39	SF			C	0834	20		
0247	HTPR	15	0821	0829	0850	S12	W50	6492	02	11.6	29	SF			C	0829	30	0.5	

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0248		15	1133	1137	1154	N09	W60	6487	02	11.0	21	SF	C 4.6				56		
	KANZ	15	1133	1137	1154	N09	W60	6487	02	11.0	21	SF			P				
	SVTO	15	1146E	1146U	1151D	N09	W60	6487	02	11.0	5D	SF	C 4.6	1	E		56		
0249	KANZ	15	1137	1137	1143	S09	W12	6489	02	14.6	6	SF			P				
		15	1409		1416	No Flare Patrol													
0250	HOLL	15	1550	1552	1604	S12	W63	6492	02	10.9	14	SF		2	E		10		
0251	HOLL	15	1606	1608	1628	N22	E25	6498	02	17.6	22	SF		3	E		28		F
0252		15	17361	1739	1749	S06	E02	6500	02	15.9	13	SF	C 2.3				29		F
	HOLL	15	1736	1739	1750	S06	E02	6500	02	15.9	14	SF	C 2.3	3	E		34		F
	PALE	15	1737	1739	1748	S07	E01	6500	02	15.8	11	SF	C 2.3	3	E		24		F
0253		15	2056	2057	2130	S05	W17	6495	02	14.6	34	SF					53		F
	RAMY	15	2056	2057	2131	S05	W17	6495	02	14.6	35	SF		3	E		46		F
	PALE	15	2056	2057	2132	S06	W17	6495	02	14.6	36	SF		3	E		48		F
	HOLL	15	2059E	2102U	2128	S05	W16	6495	02	14.7	29D	SF		2	E		65		F
0254		15	21282	21354	2158	S12	E44	6497	02	19.2	30	SF	C 4.0				53		EFH
	HOLL	15	2126E	2134U	2204D	S12	E44	6497	02	19.2	38D	SF	C 4.0	2	E		56		FE
	PALE	15	2128	2135	2200	S11	E44	6497	02	19.2	32	SF	C 4.0	3	E		41		H
	RAMY	15	2130	2139	2156	S12	E43	6497	02	19.1	26	SF		3	E		62		F
0255	PALE	15	2331	2332	2336	N11	W64	6487	02	11.2	5	SF		3	E		13		
0256	LEAR	16	0021	0026	0042	N13	W63	6487	02	11.3	21	SF		3	E		36		
0257	LEAR	16	0109	0126	0141	N12	W64	6487	02	11.2	32	SF		3	E		29		
0258	PALE	16	0116	0128	0140	N10	W79	6484	02	10.1	24	SF		3	E		24		
0259	LEAR	16	0247	0249	0255	S17	E73	6504	02	21.7	8	SF		3	E		23		
0260	LEAR	16	0342	0343	0347	N13	W65	6487	02	11.2	5	SF		3	E		36		
0261	LEAR	16	0424	0431	0447	N10	W81	6484	02	10.1	23	1N	C 4.0	3	E		115		
0262	PEKG	16	0428	0432	0435D	N11	W69	6487	02	11.0	7D	1N			P	0432	147		D
0263	LEAR	16	0500	0506	0528	N10	W66	6487	02	11.2	28	SF		3	E		63		
0264		16	0736*	0745*	0824	S14	W49	6502	02	12.6	48	SN					85	2.1	EF
	SVTO	16	0736	0757	0808	S15	W49	6502	02	12.6	32	SF		4	E		43		F
	TACH	16	0737	0745	0810D	S13	W48	6502	02	12.7	33D	SB		1	C	0745	128	2.0	E
	LEAR	16	0741	0753	0838	S14	W49	6502	02	12.6	57	SF		3	E		62		F
	PEKG	16	0750	0754	0756	S15	W49	6502	02	12.6	6	1N			P	0751	147	2.2	E
	SVTO	16	0810	0814	0854	S15	W49	6502	02	12.6	44	SF		4	E		47		F
0265		16	07486	07573	0808	N12	W68	6487	02	11.2	20	SN					55		D
	SVTO	16	0748	0800	0805	N11	W71	6487	02	11.0	17	SF		4	E		44		
	TACH	16	0754	0757	0810	N13	W66	6487	02	11.3	16	SB		1	C	0757	66		D
0266	SVTO	16	0917	0919	0938D	S11	E72	6504	02	21.8	21D	SF		4	E		17		H
0267		16	0955	1002	1009	S14	E70	6504	02	21.7	14	SN	C 6.4				82		H
	LEAR	16	0955	1002	1009	S16	E68	6504	02	21.6	14	SN	C 6.4	3	E		93		
	SVTO	16	1001E	1003U	1014D	S11	E71	6504	02	21.7	13D	SF		2	E		71		H
		16	1316		1414	No Flare Patrol													
		16	1543		2328	No Flare Patrol													
0268	LEAR	16	2329	2357	2430	N23	E10	6498	02	17.7	61	SF		3	E		32		
		16	2338		2354	No Flare Patrol													

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0269		17	00301	0033	0040	N30	E65	6506	02	22.1	10	SF					22		
	LEAR	17	0030	0033	0043	N30	E65	6506	02	22.1	13	SF		3	E		29		
	PALE	17	0031	0033	0038	N30	E65	6506	02	22.1	7	SF		3	E		16		
0270	VORO	17	0100U	0104	0114	N11	W80	6487	02	11.0	14U	1F		1	C	0104	81		D
0271	LEAR	17	0243	0245	0253	N11	W76	6487	02	11.4	10	SF		3	E		50		
0272	PALE	17	0329	0330	0339	S10	W59	6501	02	12.7	10	SF		3	E		28		
0273	LEAR	17	0355	0358	0408	S10	W59	6501	02	12.7	13	SF		3	E		35		
0274	LEAR	17	0436	0438	0448	S13	E39	6505	02	20.1	12	SF		3	E		26		
0275		17	05421	0544	0548	S12	E26	6497	02	19.2	6	1N					126	2.4	E
	TACH	17	0542	0544	0550U	S12	E23	6497	02	19.0	8U	1B		1	C	0544	211	2.4	E
	LEAR	17	0543	0544	0548	S13	E28	6497	02	19.3	5	SF		3	E		41		
0276	LEAR	17	0553	0556	0603	N29	E62	6506	02	22.1	10	SF	C 4.6	3	E		36		
0277	ABST	17	0756	0759	0810	S21	E90	6509	02	24.2	14	1N			C	0759	87		AD
0278	KANZ	17	1112	1116	1123	S13	E54	6504	02	21.5	11	SF			P				
0279	KANZ	17	1222	1222	1238	S01	E36		02	20.2	16	SF			P				
0280	KANZ	17	1313	1317	1332	S14	E62	6504	02	22.2	19	SF			P				
0281		17	14596	15023	1526	S20	E86	6509	02	24.2	27	SF	C 8.0				64		
	KANZ	17	1459	1502	1517D	S20	E84	6509	02	24.0	18D	SF			P				
	RAMY	17	1505	1505	1526	S21	E89	6509	02	24.4	21	SF	C 8.0	3	E		64		
		17	1651		1658	No Flare Patrol													
		17	1722		1728	No Flare Patrol													
0282	RAMY	17	1800	1801	1805	S19	E89	6509	02	24.5	5	SF		3	E		28		
0283	RAMY	17	1826	1835	1838	S20	E88	6509	02	24.5	12	SF	C 5.6	3	E		98		
0284	HOLL	17	1847E	1848	1851	S21	E87	6509	02	24.4	4D	SF		2	E		25		F
0285	HOLL	17	1934E	1934U	1936D	S23	E86	6509	02	24.4	2D	SF		1	E		31		
0286	RAMY	17	2033	2033	2042	S20	E87	6509	02	24.5	9	SF		3	E		20		
0287	HOLL	17	2050E	2052U	2057	N24	W01	6498	02	17.8	7D	SF		2	E		16		
0288		17	21036	21056	2112	S22	E87	6509	02	24.6	9	SF					50		F
	HOLL	17	2103	2105	2108	S21	E85	6509	02	24.4	5	SF		3	E		16		F
	HOLL	17	2109	2111	2117	S22	E89	6509	02	24.7	8	SF		4	E		85		
		17	2124		2159	No Flare Patrol													
		17	2213		2333	No Flare Patrol													
		17	2358		2400	No Flare Patrol													
		18	0000		0008	No Flare Patrol													
		18	0027		0041	No Flare Patrol													
		18	0052		0112	No Flare Patrol													
		18	0149		0159	No Flare Patrol													
0289	TACH	18	0623	0644	0720	N11	W80	6487	02	12.2	57	SN		2	C	0644	31		D
0290		18	0633*	0730	0750	S18	E48	6504	02	21.9	77	SN	M 2.6				140	1.4	DEF
	LEAR	18	0633	0730	0739D	S18	E48	6504	02	21.9	66D	1N	M 2.6	3	E		189		FE
	TACH	18	0648		0753	S17	E48	6504	02	21.9	65	SB		2	C	0721	91	1.4	D
	KANZ	18	0734E	0734U	0746	S19	E48	6504	02	22.0	12D	SF			P				
0291		18	0742	0742	0752	N30	E50	6506	02	22.2	10	SN					10	0.2	ET
	TACH	18	0734E		0753	N30	E51	6506	02	22.3	19D	SB		2	C	0734	10	0.2	ET
	KANZ	18	0742	0742	0750	N29	E48	6506	02	22.1	8	SF			P				

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0292		18	0809	0813	0824	S08	W69	6501	02	13.2	15	SF						150		D
	KANZ	18	0809	0813	0824	S09	W70	6501	02	13.1	15	SF				P				
	BUCA	18	0810E	0815U	0825D	S06	W68	6501	02	13.2	15D	SF				P	0815	150		D
0293	KANZ	18	0839	0839	0850	S10	E12	6497	02	19.3	11	SF				P				
0294	KANZ	18	0853	0857	0904	S12	E13	6497	02	19.3	11	SF				P				
0295	KANZ	18	0915	0918	0928	S18	E55	6504	02	22.6	13	SF				P				
0296	KANZ	18	1016	1019	1025	S09	W73	6501	02	12.9	9	SN				P				
		18	1033		1039	No Flare Patrol														
0297	KANZ	18	1119	1123	1131	S18	E45	6504	02	21.9	12	SF				P				
0298		18	1149	11521	1204	S08	W70	6501	02	13.2	15	SF						53		
	KANZ	18	1149	1152	1200	S09	W71	6501	02	13.2	11	SF				P				
	RAMY	18	1149	1153	1209	S08	W70	6501	02	13.2	20	SF			3	E		53		
0299	KANZ	18	1204	1204	1208	S26	W71	6511	02	13.0	4	SF				P				
0300		18	12082	1211	1214	S10	E84	6508	02	24.8	6	SF						18		
	KANZ	18	1208	1211	1214	S09	E82	6508	02	24.6	6	SF				P				
	RAMY	18	1210	1211	1215	S10	E87	6508	02	25.0	5	SF			3	E		18		
0301		18	13003	13077	1322	S09	W72	6501	02	13.1	22	SF						37		
	KANZ	18	1300	1307	1320	S10	W72	6501	02	13.1	20	SF				P				
	RAMY	18	1303	1314	1324	S08	W72	6501	02	13.1	21	SF			3	E		37		
0302	KANZ	18	1355	1359	1409	S11	E80	6517	02	24.6	14	SF				P				
0303		18	1428*	1428*	1454	S09	W75	6501	02	13.0	26	SF	C	5.4				22		
	KANZ	18	1428	1428	1439	S09	W75	6501	02	13.0	11	SF				P				
	RAMY	18	1428	1429	1516D	S09	W74	6501	02	13.0	48D	SF	C	5.4	3	E		22		
	KANZ	18	1447	1451	1509	S09	W75	6501	02	13.0	22	SN				P				
0304	KANZ	18	1451	1451	1458	S25	W72	6511	02	13.0	7	SF				P				
0305	RAMY	18	1626	1631	1640	S24	W71	6511	02	13.2	14	SF			3	E		28		
0306	RAMY	18	1635	1649	1704	S18	E43	6504	02	22.0	29	1F	C	8.1	3	E		100		F
0307	RAMY	18	1706	1727	1743	S08	W73	6501	02	13.2	37	SF			3	E		23		
0308	PALE	18	1754	1757	1809	S22	E75	6509	02	24.5	15	SN			3	E		57		
		18	1853		1921	No Flare Patrol														
0309	RAMY	18	2046	2052	2057	S08	W74	6501	02	13.3	11	SF			3	E		22		
0310	RAMY	18	2051	2052	2102D	S14	E17	6505	02	20.1	11D	SF			3	E		25		F
		18	2103		2400	No Flare Patrol														
0311	HOLL	18	2201E	2208U	2246	S17	E42	6504	02	22.1	45D	SF	M	1.0	2	E		99		F
		19	0000		0009	No Flare Patrol														
0312		19	01017	01163	0143	S16	E42	6504	02	22.2	42	SN	C	7.1				54	0.8	DF
	LEAR	19	0101	0116	0154	S15	E41	6504	02	22.1	53	SF	C	7.1	3	E		46		F
	PEKG	19	0108	0119	0132	S16	E42	6504	02	22.2	24	SB				P	0119	63	0.8	D
0313	PEKG	19	0110	0119	0131	N09	E45		02	22.4	21	SB				P	0119	42	0.6	D
0314	PEKG	19	0220	0225	0231	S13	E34	6504	02	21.7	11	SB				P	0225	84	1.0	D
0315	PEKG	19	0426	0442	0510	S13	E33	6504	02	21.7	44	1N				C	0442	210	2.6	D

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0316	PEKG	19	0628	0632	0634	N30	E36	6506	02	22.1	6	SB				C	0632	42	0.7	D
0317		19	08366	08442	1045	S04	E40	6507	02	22.3	129	1N	C	8.1				179	2.0	F
	SVTO	19	0836	0846	1054	S03	E40	6507	02	22.3	138	1N	C	8.1	3	E		208		F
	KANZ	19	0840	0844	1036	S04	E40	6507	02	22.3	116	1F				P				
	HTPR	19	0842	0844	1045	S04	E40	6507	02	22.3	123	SN				C	0844	150	2.0	
0318	SVTO	19	1014	1019	1058	S04	W90	6501	02	12.7	44	SF	M	1.5	3	E		77		H
0319		19	10446	10521	1125	S12	E68	6508	02	24.6	41	SF	C	9.0				81		DF
	HTPR	19	1044	1053	1130	S12	E70	6508	02	24.7	46	SF				C	1053	100		
	SVTO	19	1047	1053	1134	S12	E64	6508	02	24.3	47	SF	C	9.0	2	E		57		F
	KANZ	19	1048	1052	1140	S10	E66	6508	02	24.4	52	SF				P				
	ABST	19	1050	1053	1056	S14	E70	6508	02	24.7	6	1N				C	1053	87		D
0320		19	11022	11035	1124	S12	E29	6504	02	21.6	22	SF						30	0.5	
	SVTO	19	1102	1103	1125	S12	E29	6504	02	21.6	23	SF			2	E		20		
	KANZ	19	1103	1103	1122	S12	E29	6504	02	21.6	19	SF				P				
	HTPR	19	1104	1108	1125	S13	E30	6504	02	21.7	21	SF				C	1108	40	0.5	
0321		19	12195	12241	1245	S12	E29	6504	02	21.7	26	SN						130	1.5	
	HTPR	19	1219	1225	1242D	S13	E30	6504	02	21.8	23D	SN				C	1225	130	1.5	
	KANZ	19	1224	1224	1245	S12	E28	6504	02	21.6	21	SN				P				
0322	KANZ	19	1341	1341	1349	S03	W62	6495	02	14.9	8	SF				P				
0323	HOLL	19	1517E	1520U	1540	S22	E59	6509	02	24.2	23D	SF			2	E		23		F
		19	1535		1606	No Flare Patrol														
0324	HOLL	19	1605	1615	1643	S17	E29	6504	02	21.9	38	SF			3	E		20		F
0325	HOLL	19	1613	1622	1629	S01	W66	6495	02	14.7	16	SF			3	E		26		
		19	1628		1716	No Flare Patrol														
0326	PALE	19	1813E	1813	1822	S03	W68	6495	02	14.7	9D	SN	M	1.0	3	E		61		E
0327		19	1859	18596	1911	S18	E28	6504	02	21.9	12	SF						19		F
	PALE	19	1859	1859	1911	S17	E27	6504	02	21.8	12	SF			3	E		20		F
	RAMY	19	1859	1905	1911	S18	E28	6504	02	21.9	12	SF			3	E		18		F
0328	PALE	19	1920	1923	1932	S17	E27	6504	02	21.8	12	SF			3	E		17		
0329	PALE	19	1928	1929	1936	S26	W89	6511	02	12.9	8	SF			3	E		24		
0330		19	2005	2006	2016	S20	E60	6509	02	24.4	11	SF						34		F
	PALE	19	2005	2006	2011	S20	E61	6509	02	24.5	6	SF			3	E		23		
	HOLL	19	2010E	2010U	2020	S21	E60	6509	02	24.4	10D	SF			3	E		45		F
0331	PALE	19	2104	2106	2120	S15	E31	6504	02	22.2	16	SF			3	E		15		
0332		19	2156	2206U	2256D	S20	E60	6509	02	24.5	60D	1F	C	7.2				67		F
	PALE	19	2156	2206U	2256D	S18	E60	6509	02	24.5	60D	1F	C	7.2	3	E		124		F
	HOLL	19	2211E	2211U	2252D	S21	E60	6509	02	24.5	41D	1F			3	E		10		F
0333	PALE	19	2225	2226	2234	S03	W69	6495	02	14.8	9	SF			3	E		16		
		19	2245		2250	No Flare Patrol														
0334	HOLL	19	2323	2332	2349	S25	W76	6503	02	14.1	26	SF			3	E		23		
0335		19	23451	23451	2354	S02	W70	6495	02	14.8	9	SF						36		
	PALE	19	2345	2345	2354	S03	W71	6495	02	14.7	9	SF			3	E		16		
	HOLL	19	2346	2346	2353	S01	W70	6495	02	14.8	7	SF			3	E		55		
0336	PALE	19	2359	2401	2404	S27	W94	6511	02	12.7	5	SF			3	E		35		
0337	PALE	20	0022	0025	0046	S26	W93	6511	02	12.8	24	SF	C	5.8	3	E		50		

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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	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0338	KAND	20	0740E	0742	0751	S22	E56	6509	02	24.6	11D	SF				P		0742	62	1.1	EZ
0339	ISTA	20	0755E		0810	S08	E59	6508	02	24.7	15D	1B				P					E
0340	ISTA	20	0758		0800	S14	E21	6504	02	21.9	2	1B				P					
0341		20	08006	08109	0905	N23	W36	6498	02	17.5	65	SN							164	2.5	EFU
	ISTA	20	0800		0910	N23	W36	6498	02	17.5	70	1B				P					EU
	KAND	20	0801	0811	0905	N23	W36	6498	02	17.6	64	SN				P		0811	104	1.5	EF
	KANZ	20	0804	0819	0909	N23	W34	6498	02	17.7	65	SF				P					
	BUCA	20	0806	0810	0855	N24	W36	6498	02	17.5	49	1N				P		0810	258	3.9	E
	YUNN	20	0842E	0842U	0847D	N23	W37	6498	02	17.5	5D	SN				P		0842	130	2.0	
0342	SVTO	20	1222	1226	1247	S12	E28	6519	02	22.6	25	SN			3	E			57		F
0343		20	13234	13283	1341	S03	W75	6495	02	14.9	18	SF	M	1.4					38		FH
	RAMY	20	1323	1328	1337	S02	W73	6495	02	15.1	14	SF	M	1.4	4	E			40		H
	SVTO	20	1325	1329	1343	S03	W79	6495	02	14.6	18	SF			3	E			36		F
	KANZ	20	1327	1331	1342	S03	W74	6495	02	15.0	15	SF				P					
0344	HOLL	20	1530	1530	1536	S12	W19	6497	02	19.2	6	SF			3	E			21		
0345	HOLL	20	1542	1556	1602	S12	E51	6508	02	24.5	20	SF			3	E			30		F
0346		20	1846	1849	1854	S04	E24	6507	02	22.6	8	SF							15		F
	HOLL	20	1846	1846U	1854	S05	E24	6507	02	22.6	8	SF			3	E			17		F
	RAMY	20	1846	1849	1854	S03	E24	6507	02	22.6	8	SF			3	E			13		
0347	HOLL	20	1911	1913	1928	N16	E30	6517A	02	23.1	17	SF			4	E			22		F
0348		20	20432	20456	2112	S22	E48	6509	02	24.5	29	SF	C	3.9					42		F
	HOLL	20	2043	2051	2108	S23	E48	6509	02	24.6	25	SF	C	3.9	4	E			58		F
	RAMY	20	2045	2045	2115	S22	E48	6509	02	24.5	30	SF	C	3.9	3	E			26		
0349		20	2101*	2105*	2207	N12	E58	6513	02	25.2	66	SF							48		FK
	HOLL	20	2101	2105	2222	N12	E58	6513	02	25.2	81	SF				E			35		K
	HOLL	20	2101	2124	2222	N12	E58	6513	02	25.2	81	SF			4	E			88		F
	RAMY	20	2123	2128	2138	N12	E58	6513	02	25.3	15	SF			3	E			21		
		20	2153		2331	No Flare Patrol															
0350		20	2206	2213*	2248	S21	E47	6509	02	24.5	42	SF							47		K
	HOLL	20	2206	2213	2248	S21	E47	6509	02	24.5	42	SF				E			39		K
	HOLL	20	2206	2234	2248	S21	E47	6509	02	24.5	42	SF			3	E			55		
0351	HOLL	20	2211	2213	2218	S14	E41	6517	02	24.0	7	SF			4	E			17		H
0352	HOLL	20	2213	2307	2339	S12	W23	6497	02	19.2	86	SF			3	E			23		F
0353	HOLL	20	2321	2328	2354	S12	E49	6508	02	24.7	33	1N	C	4.3	3	E			131		FH
0354	HOLL	20	2344	2347	2424	S11	W24	6497	02	19.2	40	SF			3	E			24		F
0355	HOLL	20	2354		2432	N11	E55	6513	02	25.1	38	SF			3	E			30		
0356		21	0007	00052	0032	S15	E13	6504	02	22.0	25	SF							16		
	LEAR	21	0002E	0005	0035	S15	E13	6504	02	22.0	33D	SF			3	E			20		
	HOLL	21	0007	0007	0030	S15	E13	6504	02	22.0	23	SF			3	E			11		
0357	LEAR	21	0108	0111	0116	S12	E52	6508	02	25.0	8	SF			3	E			25		
0358		21	0219	02191	0223	S11	E49	6508	02	24.8	4	SN							33	0.6	D
	LEAR	21	0219	0219	0223	S12	E52	6508	02	25.0	4	SF			3	E			24		
	PEKG	21	0219	0220	0223	S10	E46	6508	02	24.5	4	SN				P		0220	42	0.6	D
0359		21	0230	0234	0244	S20	E45	6509	02	24.5	14	SF							74	0.9	DFI
	VORO	21	0230	0234	0239	S19	E46	6509	02	24.6	9	SF			1	C		0234	63	0.9	DI
	LEAR	21	0230	0234	0248	S20	E44	6509	02	24.5	18	SF			3	E			86		F

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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	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0360	LEAR	21	0302	0304	0321	S15	E11	6504	02 21.9	19	SF		3	E		38		F
0361	LEAR	21	0407	0416	0425	S12	E51	6508	02 25.0	18	SF		3	E		24		
0362	ISTA	21	0711		0717	S21	E44	6509	02 24.7	6	SN			P				E
0363		21	0810*	0812	0848	S13	E46	6508	02 24.8	38	SN	C 4.2				130	3.6	DEF
	LEAR	21	0810	0812	0911	S13	E47	6508	02 24.9	61	SF	C 4.2	3	E		16		F
	ISTA	21	0812		0828	S12	E47	6508	02 24.9	16	SN			P				D
	YUNN	21	0822E	0822U	0835	S13	E45	6508	02 24.7	13D	1N			P	0822	244	3.6	
	ISTA	21	0852		0858	S14	E47	6508	02 24.9	6	SB			P				E
0364	LEAR	21	0811	0812	0816	S18	E42	6509	02 24.5	5	SF		3	E		18		
0365		21	0948*	1004*	1049	S18	E42	6509	02 24.6	61	1N					190	2.5	EFZ
	HTPR	21	0948	1020	1100	S17	E42	6509	02 24.6	72	1B			C	1020	300	3.9	F
	KAND	21	0951	1004	1030	S20	E41	6509	02 24.5	39	1N			P	1004	208	2.8	EFZ
	KAND	21	1053	1054	1058	S18	E43	6509	02 24.7	5	SF			P	1054	62	0.9	E
0366	HTPR	21	1006	1010	1015	S10	E88	6516	02 28.0	9	SF			C	1010	50		A
0367	KAND	21	1006	1010	1030	S14	E48	6508	02 25.0	24	SN			P	1010	62	0.9	E
0368	HTPR	21	1240	1251	1305	S17	E40	6509	02 24.6	25	SF			C	1251	120	1.6	E
0369	HTPR	21	1315	1320	1335	S17	E40	6509	02 24.6	20	1N			C	1320	160	2.1	E
0370		21	14378	14462	1454	S21	E38	6509	02 24.5	17	SN	C 2.8				78	1.4	EF
	HOLL	21	1437	1446	1454	S22	E38	6509	02 24.5	17	SF	C 2.8	2	E		45		F
	HTPR	21	1445	1448	1455	S20	E38	6509	02 24.5	10	SN			C	1448	110	1.4	E
0371	HOLL	21	1457	1457	1512	S14	E31	6517	02 24.0	15	SF		3	E		12		
0372		21	1535*	1536*	1554	S13	W01	6504	02 21.6	19	SN	C 3.0				79	1.6	DE
	HOLL	21	1535	1536	1541	S14	E00	6504	02 21.6	6	SF		3	E		15		
	HTPR	21	1535	1540	1550	S12	W01	6504	02 21.6	15	SN			C	1540	160	1.6	D
	RAMY	21	1554	1554	1558	S13	W01	6504	02 21.6	4	SF	C 3.0	3	E		20		
	HOLL	21	1554	1555	1559	S13	W01	6504	02 21.6	5	SN	C 3.0	4	E		39		E
	HTPR	21	1554	1556	1600	S12	W01	6504	02 21.6	6	SN			C	1556	160	1.6	
0373	HOLL	21	1557	1558	1612	S21	E36	6509	02 24.4	15	SF		3	E		20		F
0374		21	1822	1823	1847	S12	W34	6497	02 19.2	25	SF					32		F
	RAMY	21	1822	1823	1847	S11	W33	6497	02 19.3	25	SF		3	E		28		
	PALE	21	1824E	1828U	1853D	S12	W35	6497	02 19.1	29D	SF		3	E		35		F
		21	1837		1840	No Flare Patrol												
0375	HOLL	21	2015	2019	2030	S06	E09	6507	02 22.5	15	SF		3	E		22		FH
		21	2119		2121	No Flare Patrol												
		21	2147		2159	No Flare Patrol												
0376	PALE	21	2332E	2336U	2354D	S18	E32	6509	02 24.4	22D	SF		3	E		19		
		21	2343		2344	No Flare Patrol												
0377	HOLL	21	2357	2402	2425	S11	W37	6497	02 19.2	28	SF		3	E		59		F
0378	LEAR	22	0546	0549	0601	N28	W05	6506	02 21.8	15	SF		3	E		32		
0379	LEAR	22	0550	0552	0556	N23	W63	6498	02 17.4	6	SF		3	E		35		F
0380		22	0619*	06301	0647	S15	W05	6504	02 21.9	28	SN					99	1.2	D
	LEAR	22	0619	0631	0703	S15	W05	6504	02 21.9	44	SF		3	E		60		
	URUM	22	0625	0630	0640	S14	W05	6504	02 21.9	15	SN			C		80	0.8	D
	PEKG	22	0628	0630	0645	S15	W05	6504	02 21.9	17	SN			P	0630	168	1.8	D
	ABST	22	0629	0631	0640	S15	W05	6504	02 21.9	11	SN			C	0631	87	0.9	D

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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
0381	LEAR	22	0704	0733	0752	N15	E46	6514	02	25.8	48	SF		3	E		31		
0382		22	0900*	09124	0934	S04	W00	6507	02	22.4	34	SF	C 3.2				117	1.9	U
	LEAR	22	0900	0916	0936	S03	W01	6507	02	22.3	36	1F	C 3.2	3	E		124		
	HTPR	22	0905	0912	0945	S05	E00	6507	02	22.4	40	SN			C	0912	190	1.9	
	SVTO	22	0910	0916	0922	S05	E00	6507	02	22.4	12	SF	C 3.2	2	E		36		U
0383	HTPR	22	1255	1257	1305	S18	E70	6526A	02	27.9	10	SF			C	1257	40		
0384		22	13373	13376	1347	N22	W65	6498	02	17.6	10	SF					14		H
	RAMY	22	1337	1337	1343	N22	W63	6498	02	17.7	6	SF		3	E		14		H
	KANZ	22	1340	1343	1351	N21	W67	6498	02	17.4	11	SF			P				
0385	HTPR	22	1339	1341	1347	S13	E08	6519	02	23.2	8	SN			C	1341	160	1.6	E
0386		22	14181	14192	1435	N17	E42	6514	02	25.8	17	SN					57	1.1	
	HTPR	22	1418	1421	1435	N18	E40	6514	02	25.6	17	SN			C	1421	80	1.1	
	RAMY	22	1419	1419	1435	N16	E43	6514	02	25.8	16	SF		3	E		34		
0387		22	1419	14211	1431	N23	W65	6498	02	17.6	12	SF	C 3.6				44		
	RAMY	22	1419	1421	1427	N23	W62	6498	02	17.8	8	SF	C 3.6	3	E		32		
	HTPR	22	1419	1422	1435	N23	W68	6498	02	17.3	16	SN			C	1422	90		
	HOLL	22	1421E	1421U	1427D	N22	W65	6498	02	17.6	6D	SF		2	E		11		
		22	1616		1637	No Flare Patrol													
0388	HOLL	22	1725	1726	1744	N23	W67	6498	02	17.6	19	SF	C 2.8	3	E		34		F
0389	HOLL	22	1803	1806	1813	N07	W57	6515	02	18.5	10	SF		3	E		18		
		22	1803		1858	No Flare Patrol													
0390	RAMY	22	2013	2013	2021	S11	E66	6516	02	27.8	8	SF	C 2.5	3	E		23		F
		22	2109		2339	No Flare Patrol													
0391	HOLL	22	2308	2309	2338	S13	E25	6508	02	24.8	30	SF		3	E		17		
0392		22	2308	23108	2321	S20	E19	6509	02	24.4	13	SF					21		K
	HOLL	22	2308	2310	2321	S20	E19	6509	02	24.4	13	SF			E		23		K
	HOLL	22	2308	2318	2321	S20	E19	6509	02	24.4	13	SF		3	E		19		
0393		22	2326	23262	2334	N08	W61	6515	02	18.4	8	SF					18		
	PALE	22	2326	2326	2333	N08	W62	6515	02	18.3	7	SF		3	E		19		
	HOLL	22	2326	2328	2334	N09	W60	6515	02	18.5	8	SF		3	E		18		
0394	HOLL	22	2340	2342	2346	S19	E66	6526A	02	28.0	6	SF		3	E		20		
		23	0138		0159	No Flare Patrol													
0395		23	0226	02262	0242	S12	E16	6517	02	24.3	16	1N					140	2.7	EF
	PALE	23	0226	0226	0234	S13	E16	6517	02	24.3	8	SF		3	E		29		F
	PEKG	23	0226	0228	0250	S12	E16	6517	02	24.3	24	1N			P	0230	252	2.7	E
0396		23	0226*	0227*	0336	S05	W08	6507	02	22.5	70	1N	C 3.4				200	3.5	DF
	PEKG	23	0226	0227	0332	S05	W08	6507	02	22.5	66	1N			P	0230	336	3.5	D
	PALE	23	0227	0239	0319D	S05	W07	6507	02	22.6	52D	SF	C 3.4	3	E		64		F
	PALE	23	0323	0323	0335	S06	W09	6507	02	22.5	12	SF	C 2.8	3	E		66		F
	PEKG	23	0324	0325	0340	S05	W08	6507	02	22.5	16	1N			P	0325	336	3.5	D
0397	KANZ	23	0752	0756	0848	S15	E20	6508	02	24.8	56	SF			P				
0398		23	0810	08103	0828	S13	E16	6508	02	24.5	18	1N					252	2.8	E
	KANZ	23	0810	0810	0834	S12	E13	6508	02	24.3	24	SF			P				
	PEKG	23	0810	0813	0822	S14	E18	6508	02	24.7	12	1N			P	0813	252	2.8	E
0399	KANZ	23	0837	0837	0841	S17	W16	6504	02	22.1	4	SF			P				

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0400		23	0950*	0950*	1009	S17	E19	6508	02	24.8	19	SF					300	3.2	
	KANZ	23	0950	0950	0956	S17	E21	6508	02	25.0	6	SF			P				
	HTPR	23	0950	1005	1020	S17	E17	6508	02	24.7	30	1N			C	1005	300	3.2	
	KANZ	23	1004	1004	1012	S18	E20	6508	02	24.9	8	SF			P				
0401	SVTO	23	1014E	1050U	1102D	S10	W58	6497	02	19.1	48D	SF		2	E		37		
		23	1045		1057	No Flare Patrol													
		23	1102		1107	No Flare Patrol													
0402		23	1203	12052	1214	S20	E13	6509	02	24.5	11	SF	C 2.7				20		F
	SVTO	23	1202E	1205U	1211D	S21	E13	6509	02	24.5	9D	SF		2	E		10		F
	RAMY	23	1203	1205	1214	S18	E15	6509	02	24.6	11	SF	C 2.7	3	E		29		F
	KANZ	23	1203	1207	1211D	S22	E12	6509	02	24.4	8D	SF			P				
		23	1212		1214	No Flare Patrol													
0403	HTPR	23	1216	1218	1225	S26	E14	6519B	02	24.6	9	SN			C	1218	140	1.5	D
0404		23	12256	12353	1256	S10	W58	6497	02	19.1	31	1F	C 2.3				82	2.1	
	HTPR	23	1225	1235	1300	S10	W60	6497	02	19.0	35	1F			C	1235	130	2.1	
	RAMY	23	1231	1238	1251	S09	W57	6497	02	19.2	20	SF	C 2.3	3	E		35		
0405	HTPR	23	1408	1412	1420	S13	W27	6504	02	21.5	12	SF			C	1412	60	0.7	E
0406		23	1625	1628	1655	S10	E52	6516	02	27.6	30	1N	M 1.0				151	4.0	EF
	HTPR	23	1625		1630D	S09	E52	6516	02	27.6	5D	1B			C	1629	250	4.0	
	RAMY	23	1625	1628	1655	S10	E53	6516	02	27.7	30	SF	M 1.0	3	E		52		FE
		23	1631		1708	No Flare Patrol													
0407	RAMY	23	1714	1723	1729	S15	W25	6504	02	21.8	15	SF		3	E		23		F
		23	1907		2059	No Flare Patrol													
0408	PALE	23	2302	2305	2327	S18	E07	6509	02	24.5	25	SF	C 2.6	3	E		22		F
0409	PALE	23	2321	2323	2327	S10	W67	6497	02	18.9	6	SF		3	E		16		
0410	PALE	23	2345	2346	2350	S10	W67	6497	02	18.9	5	SF		3	E		27		
		23	2400		2400	No Flare Patrol													
		24	0000		0007	No Flare Patrol													
0411	PALE	24	0007E	0013U	0042D	N16	E26	6514	02	26.0	35D	SF		3	E		36		F
0412	PALE	24	0007E	0029U	0054D	S03	W23	6507	02	22.3	47D	SF		3	E		34		F
		24	0020		0028	No Flare Patrol													
0413	PALE	24	0226	0229	0239	S11	E54	6524	02	28.2	13	SF		3	E		17		
0414		24	03114	03144	0320	S13	E03	6508	02	24.3	9	SN					94	1.5	EF
	PEKG	24	0311	0314	0316	S13	E03	6508	02	24.3	5	SB			P	0314	147	1.5	E
	PALE	24	0315	0318	0325	S13	E03	6508	02	24.4	10	SF		3	E		40		F
0415	PEKG	24	0325	0330	0352	S20	E02	6509	02	24.3	27	1B			P	0330	378	4.0	E
0416	PALE	24	0326	0332	0349	S11	W64	6497	02	19.3	23	SF		3	E		11		
		24	0741		0827	No Flare Patrol													
0417	SVTO	24	0817	0823	0830	S11	W67	6497	02	19.3	13	SF		4	E		13		
0418		24	0832	0832	0843	S15	E10	6508	02	25.1	11	SF	C 2.0				29		F
	KANZ	24	0832	0832	0840	S17	E10	6508	02	25.1	8	SF			P				
	SVTO	24	0832	0832	0843	S16	E12	6508	02	25.3	11	SF	C 2.0	4	E		21		F
	LEAR	24	0832	0832	0846	S13	E08	6508	02	24.9	14	SF		3	E		37		F

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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
0419	KANZ	24	1034	1041	1044	S10	W69	6497	02	19.2	10	SF				P				
0420		24	1138*	1138*	1207	S11	W70	6497	02	19.2	29	SF	C	4.3				28		F
	KANZ	24	1138	1138	1220D	S11	W72	6497	02	19.1	42D	SF				P				
	SVTO	24	1138	1156	1207	S12	W70	6497	02	19.2	29	SF	C	4.3	3	E		23		F
	RAMY	24	1149	1156	1207	S10	W68	6497	02	19.4	18	SF			3	E		33		
0421		24	13243	13271	1333	N29	W34	6506	02	21.9	9	SF	C	2.8				28		
	KANZ	24	1324	1328	1332	N28	W34	6506	02	21.9	8	SF				P				
	SVTO	24	1327	1327	1334	N30	W35	6506	02	21.8	7	SF	C	2.8	3	E		28		
		24	1445		1451	No Flare Patrol														
		24	1528		1538	No Flare Patrol														
0422		24	16034	16101	1622	S17	W32	6504	02	22.2	19	SF	C	6.8				41		E
	RAMY	24	1603	1610	1621	S16	W32	6504	02	22.2	18	SF	C	6.8	3	E		41		E
	HOLL	24	1603	1610	1629	S17	W33	6504	02	22.2	26	SN	C	6.8	4	E		41		E
	KANZ	24	1607	1611	1615	S17	W32	6504	02	22.2	8	SF				P				
		24	1638		1643	No Flare Patrol														
0423		24	16423	16481	1703	S09	E40	6516	02	27.7	21	1N	C	5.8				99		EF
	HOLL	24	1642	1649	1703	S09	E39	6516	02	27.6	21	1N	C	5.8	4	E		128		FE
	RAMY	24	1645	1648	1701D	S09	E40	6516	02	27.7	16D	SF	C	5.8	3	E		70		F
0424	HOLL	24	1654	1655	1705	S12	W71	6497	02	19.3	11	SF			4	E		17		F
		24	1702		1727	No Flare Patrol														
		24	1732		1958	No Flare Patrol														
0425	HOLL	24	1834	1837	1842D	N19	E65	6520	03	1.7	8D	SF			4	E		22		FS
		24	2005		2032	No Flare Patrol														
0426	HOLL	24	2022	2024	2037	S17	W35	6504	02	22.2	15	SF			3	E		16		
		24	2100		2109	No Flare Patrol														
0427		24	2107	2113*	2145	S17	W36	6504	02	22.1	38	SB	C	9.8				52		K
	HOLL	24	2107	2113	2145	S17	W36	6504	02	22.1	38	SB				E		27		K
	HOLL	24	2107	2133	2145	S17	W36	6504	02	22.1	38	SB	C	9.8	3	E		78		
		24	2115		2336	No Flare Patrol														
0428	RAMY	24	2119		2125D	S05	W32	6507	02	22.5	6D	SF			3	E				F
0429	HOLL	24	2220	2226	2236	S09	W77	6497	02	19.1	16	SF	C	2.2	3	E		39		
0430		25	0123	0142*	0255	N15	E04	6513	02	25.4	92	1N	C	6.8				338	5.2	FHU
	MITK	25	0123	0154	0255	N16	E04	6513	02	25.4	92	1F				C	0154	220	2.5	FU
	PALE	25	0131E	0142	0251	N16	E04	6513	02	25.4	80D	SF	C	6.8	3	E		78		UH
	PEKG	25	0140E	0207	0300	N14	E03	6513	02	25.3	80D	2B				P	0207	715	7.9	U
0431	LEAR	25	0451	0456	0519	S24	W12	6509	02	24.3	28	SF	C	2.8	3	E		53		F
0432	LEAR	25	0603	0612	0621	S15	W46	6504	02	21.8	18	SF			2	E		53		
0433	ABST	25	0735	0735	0745	S15	E90		03	4.1	10	1N				C	0735	87		AD
0434		25	07391	0740	0746	S12	W78	6497	02	19.4	7	SN						16		
	YUNN	25	0739	0740	0748	S12	W78	6497	02	19.4	9	SN				C		16		
	KANZ	25	0740	0740	0743	S12	W77	6497	02	19.5	3	SF				P				
0435		25	08091	08211	0942	S15	W82	6497	02	19.1	93	2N	X	1.2				440		HY
	SVTO	25	0809	0822	0930	S16	W80	6497	02	19.3	81	2N	X	1.2	3	E		500		YH
	KANZ	25	0810	0821	0955	S15	W77	6497	02	19.5	105	2N				P				
	LEAR	25	0828E	0833U	0841D	S15	W90	6497	02	18.5	13D	2N			2	E		380		

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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	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0436		25	12033	12091	1221	S18	W44	6504	02	22.1	18	SF	C 4.5				27		F
	SVTO	25	1203	1209	1222	S18	W44	6504	02	22.1	19	SF	C 4.5	3	E		27		F
	KANZ	25	1206	1210	1220	S19	W44	6504	02	22.1	14	SF			P				
0437		25	1319	1319	1325	S11	E04	6521	02	25.8	6	SF					17		F
	KANZ	25	1319	1319	1323	S11	E05	6521	02	25.9	4	SF			P				
	SVTO	25	1319	1319	1327	S11	E03	6521	02	25.8	8	SF		3	E		17		F
0438		25	14091	14113	1430	S17	W45	6504	02	22.2	21	SF	C 2.7				22		F
	SVTO	25	1409	1411	1431	S17	W46	6504	02	22.1	22	SF	C 2.7	3	E		22		F
	KANZ	25	1410	1414	1429	S17	W44	6504	02	22.2	19	SF			P				
0439		25	15583	16001	1614	S16	W47	6504	02	22.1	16	1F	M 2.8				102		H
	SVTO	25	1558	1600	1616D	S17	W46	6504	02	22.2	18D	SF	M 2.8	2	E		81		
	RAMY	25	1601	1601	1609	S17	W45	6504	02	22.2	8	1F	M 2.8	3	E		115		H
	HOLL	25	1604E	1604U	1620	S15	W49	6504	02	21.9	16D	1F		2	E		110		
		25	1617		1758	No Flare Patrol													
0440	HOLL	25	1646	1652	1757	S11	E31	6524	02	28.0	71	SF		3	E		90		F
0441		25	1651	1704*	1735	S15	W23	6517	02	24.0	44	SF	M 1.0				54		HK
	HOLL	25	1651	1704	1735	S15	W23	6517	02	24.0	44	SF			E		39		K
	HOLL	25	1651	1716	1735	S15	W23	6517	02	24.0	44	SF	M 1.0	3	E		69		H
0442		25	1748*	1752*	1818	N14	W06	6513	02	25.3	30	SF	C 8.5				94		EFU
	PALE	25	1748	1752	1756	N14	W07	6513	02	25.2	8	SF		3	E		89		
	HOLL	25	1754	1754	1849D	N16	W04	6513	02	25.4	55D	1F	C 8.5	3	E		249		FEU
	RAMY	25	1759E	1759U	1831	N15	W05	6513	02	25.4	32D	SF		3	E		20		F
	PALE	25	1818	1821	1826	N11	W08	6513	02	25.2	8	SF		3	E		17		
0443	PALE	25	1831	1837	1849	S03	W47	6507	02	22.2	18	SF		3	E		24		
		25	1852		2043	No Flare Patrol													
		25	2052		2340	No Flare Patrol													
0444	HOLL	25	2138	2140	2154	S14	W53	6504	02	21.9	16	SF		3	E		21		F
0445	HOLL	25	2150	2155	2206	N03	E54	6523	03	1.9	16	SF		3	E		22		F
0446	PALE	25	2318	2320	2330	S05	W49	6507	02	22.3	12	SF		3	E		22		F
0447	VORO	26	0040	0042	0048	S12	E26	6524	02	28.0	8	SF		1	C	0042	72	0.8	DI
0448		26	03485	03531	0411	S12	E25	6524	02	28.0	23	SF	C 1.9				36		F
	LEAR	26	0348	0353	0420	S13	E26	6524	02	28.1	32	SF	C 1.9	3	E		57		F
	PALE	26	0353	0354	0402	S11	E24	6524	02	28.0	9	SF		3	E		15		F
		26	0518		0524	No Flare Patrol													
		26	0526		0528	No Flare Patrol													
0449	KANZ	26	0849	0849	0853	S27	W20	6509	02	24.8	4	SF			P				
0450	KANZ	26	1006	1010	1016	S06	W53	6506A	02	22.4	10	SF			P				
0451	KANZ	26	1039	1039	1046	S28	W21	6509	02	24.8	7	SF			P				
0452		26	11092	11134	1127	S11	W08	6521	02	25.9	18	SF	C 2.0				30	0.4	EH
	KANZ	26	1109	1113	1128	S12	W09	6521	02	25.8	19	SF			P				
	HTPR	26	1110	1114	1130	S07	W06	6521	02	26.0	20	SN			C	1114	40	0.4	E
	SVTO	26	1111	1117	1123	S12	W08	6521	02	25.9	12	SF	C 2.0	3	E		20		
	RAMY	26	1112E		1127	S12	W07	6521	02	25.9	15D	SF	C 2.0	2	E				H
0453		26	12203	12261	1243	S18	W56	6504	02	22.2	23	SF	C 5.2				78	1.8	EF
	RAMY	26	1220	1226	1243	S17	W55	6504	02	22.3	23	SF	C 5.2	3	E		56		F
	HTPR	26	1220	1226	1245	S19	W58	6504	02	22.1	25	SN			C	1226	100	1.8	E
	KANZ	26	1223	1227	1241	S19	W55	6504	02	22.3	18	SF			P				

FEBRUARY 1991

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0454		26	13151	13166	1334	S15	W18	6508	02	25.2	19	SF	C	1.9				53	0.8	EF
	HTPR	26	1315	1317	1335	S15	W18	6508	02	25.2	20	SF				C	1317	70	0.8	E
	KANZ	26	1316	1316	1320D	S16	W18	6508	02	25.2	4D	SF				P				
	RAMY	26	1316	1322	1332	S15	W17	6508	02	25.3	16	SF	C	1.9	3	E		36		F
0455	RAMY	26	1343	1344	1348	S08	E13	6516	02	27.5	5	SF			3	E		12		F
0456	HOLL	26	1513	1514	1525	S24	W31	6509	02	24.2	12	SF			3	E		21		F
0457		26	1537	15411	1548	S16	W19	6508	02	25.2	11	SF	C	1.8				42	0.7	EFU
	HTPR	26	1537	1541	1545	S15	W19	6508	02	25.2	8	SF				C	1541	60	0.7	E
	HOLL	26	1537	1542	1551	S16	W19	6508	02	25.2	14	SF	C	1.8	3	E		25		UF
		26	2021		2039	No Flare Patrol														
0458	RAMY	26	2041	2112	2116	S10	W25	6508	02	25.0	35	SF	C	1.8	3	E		39		
		26	2101		2109	No Flare Patrol														
		26	2128		2232	No Flare Patrol														
		26	2321		2327	No Flare Patrol														
0459		27	0120	01211	0131	S16	W64	6504	02	22.2	11	SF	C	5.7				74		
	PALE	27	0120	0121	0131	S16	W63	6504	02	22.3	11	SF	C	5.7	3	E		88		
	WATU	27	0120	0122	0122D	S16	W66	6504	02	22.0	2D	SF				P	0122	60		
0460		27	01351	01361	0151	S14	W24	6508	02	25.2	16	SF	C	3.0				36	0.5	F
	PALE	27	0135	0136	0155	S14	W25	6508	02	25.2	20	SF	C	3.0	3	E		31		F
	YUNN	27	0136	0137	0147	S13	W23	6508	02	25.3	11	SF				C		41	0.5	
0461	VORO	27	0210	0227	0300D	N29	W53	6506	02	22.9	50D	1F			1	C	0227	108	2.3	EJ
0462	LEAR	27	0216	0218	0233	S12	E12	6524	02	28.0	17	SF			3	E		44		
0463	LEAR	27	0222	0232	0253	S13	W25	6508	02	25.2	31	SF			3	E		74		
0464		27	03012	03031	0310	S15	W26	6508	02	25.1	9	SF	C	1.7				36		
	LEAR	27	0301	0304	0311	S17	W25	6508	02	25.2	10	SF	C	1.7	3	E		49		
	PALE	27	0303	0303	0308	S13	W28	6508	02	25.0	5	SF			3	E		24		
0465	LEAR	27	0528	0529	0551	S17	W65	6504	02	22.3	23	SN	C	3.1	3	E		60		
0466	HTPR	27	0930	0935	0955	N04	E33	6523	03	1.9	25	SF				C	0935	60	0.7	
0467		27	10303	1040*	1128	S19	W31	6509	02	25.1	58	SF	C	5.2				92	1.2	F
	HTPR	27	1030	1040	1114D	S18	W33	6509	02	24.9	44D	SF				C	1040	100	1.2	
	SVTO	27	1030	1051	1128	S19	W30	6509	02	25.1	58	SF	C	5.2	4	E		85		F
	KANZ	27	1033	1049	1129	S20	W30	6509	02	25.1	56	SF				P				
0468		27	1104*	1120*	1227	N20	W21	6514	02	25.8	83	1F	C	4.5				106		FK
	SVTO	27	1104	1120	1231	N20	W22	6514	02	25.8	87	SF	C	4.5	4	E		56		F
	SVTO	27	1104	1203	1231	N20	W22	6514	02	25.8	87	1F				E		167		K
	KANZ	27	1109	1124	1234D	N19	W21	6514	02	25.9	85D	1F				P				
	RAMY	27	1120	1132	1219	N19	W18	6514	02	26.1	59	SF			3	E		94		F
0469		27	1408	1408	1417	N30	W76	6506	02	21.6	9	SF						23		
	SVTO	27	1408	1408	1415	N29	W80	6506	02	21.3	7	SF			3	E		23		
	KANZ	27	1408	1408	1419	N30	W73	6506	02	21.8	11	SF				P				
0470		27	1455*	1500*	1520	S08	W02	6516	02	27.5	25	SF						32		FU
	HOLL	27	1455	1500	1503	S09	W01	6516	02	27.5	8	SF			3	E		21		F
	HOLL	27	1505	1511	1532	S09	W02	6516	02	27.5	27	SF			3	E		51		UF
	SVTO	27	1510	1512	1525	S08	W02	6516	02	27.5	15	SF			3	E		39		
	RAMY	27	1511	1512	1522	S08	W01	6516	02	27.5	11	SF			3	E		18		F
		27	1459		1506	No Flare Patrol														
0471	HOLL	27	1705	1710	1741	S16	W33	6508	02	25.2	36	SF			3	E		33		F
0472	HOLL	27	1708	1711	1733	S21	W34	6509	02	25.1	25	SF			3	E		18		F

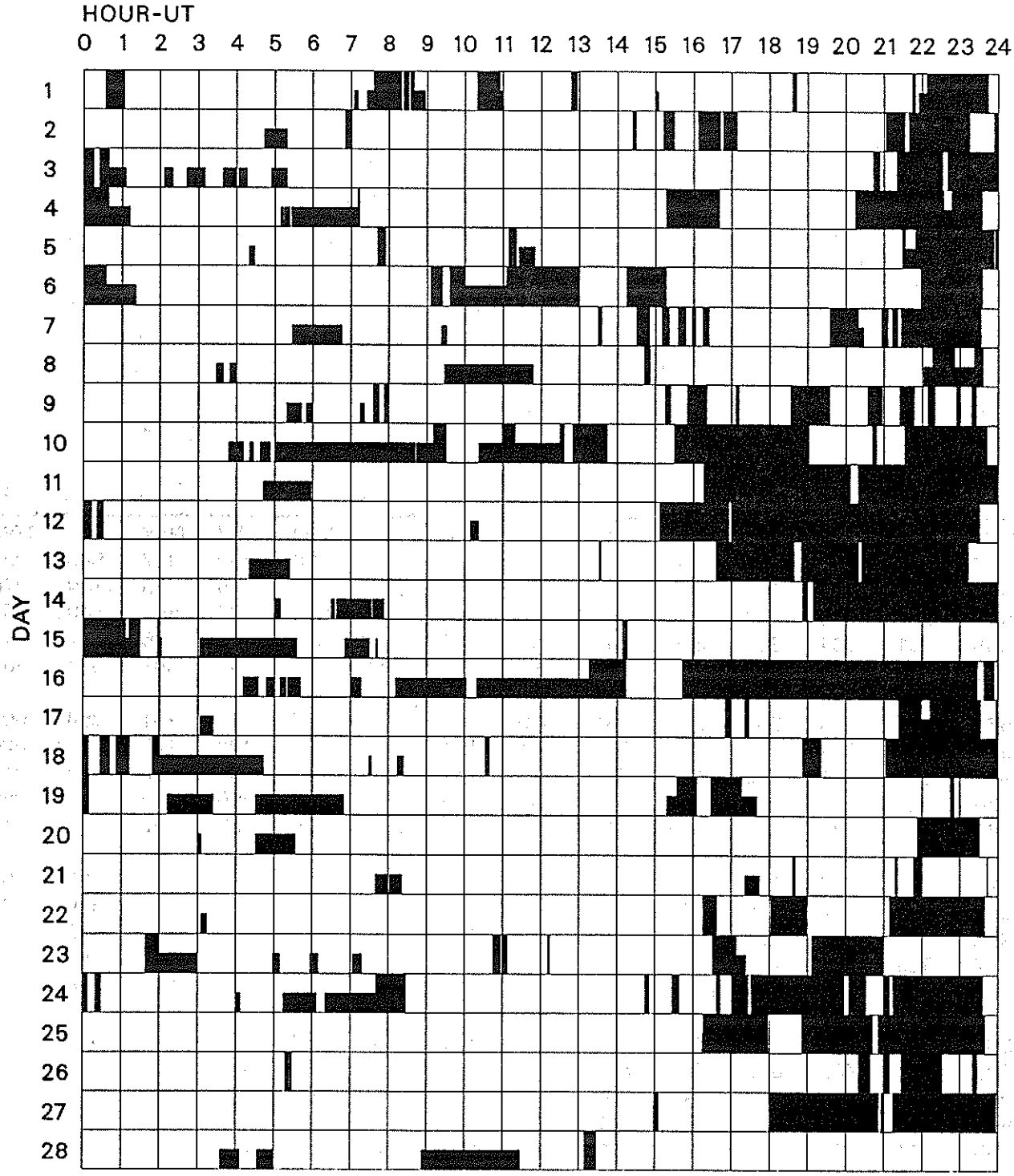
Hα S O L A R F L A R E S

FEBRUARY 1991

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0473	HOLL	27	1711	1742	1751	S09	W03	6516	02 27.5	40	SF		3	E		13		F
0474	HOLL	27	1759	1759	1805	N15	W40	6513	02 24.7	6	SF		3	E		19		
		27	1801		2052	No Flare Patrol												
0475	HOLL	27	1916E	1916U	1932D	N14	W36	6513	02 25.1	16D	SF	C 2.3	3	E		16		H
0476	HOLL	27	2019	2021	2027	S14	W36	6508	02 25.1	8	SF		3	E		22		
0477	HOLL	27	2042	2042	2105	N27	W23	6522	02 26.1	23	SF		3	E		35		
0478	HOLL	27	2042	2048	2056	S16	W73	6504	02 22.3	14	SF		3	E		25		
		27	2057		2101	No Flare Patrol												
		27	2115		2357	No Flare Patrol												
0479	HOLL	27	2120	2121	2125	N30	W76	6506	02 21.9	5	SF		3	E		34		
0480	HOLL	27	2127E	2152U	2234D	S17	W75	6504	02 22.2	67D	SF		3	E		41		
0481		27	23261	23293	2349	N15	W42	6513	02 24.8	23	SN	C 3.0				72		EH
	PALE	27	2326	2329	2347	N16	W42	6513	02 24.8	21	SN		3	E		39		E
	LEAR	27	2326	2332	2351	N15	W41	6513	02 24.9	25	SN		3	E		81		E
	HOLL	27	2327	2332	2450D	N15	W44	6513	02 24.6	83D	SN	C 3.0	3	E		95		H
0482	LEAR	27	2357	2357	2404	S08	W09	6516	02 27.3	7	SF		3	E		19		
0483		28	0228	0236	0245	N16	W44	6513	02 24.8	17	SN					81	1.2	DJ
	YUNN	28	0222E	0233U	0233D	N16	W43	6513	02 24.8	11D	SN			P	0233	81	1.3	
	VORO	28	0228	0236	0245	N15	W45	6513	02 24.7	17	SF		1	C	0236	81	1.2	DJ
0484		28	0355	03591	0430	S11	W39	6508	02 25.2	35	1N	C 5.4				165	1.1	EF
	LEAR	28	0355	0359	0436	S12	W39	6508	02 25.2	41	2N	C 5.4	3	E		250		FE
	WATU	28	0400E	0400	0423	S10	W39	6508	02 25.2	23D	SF			P	0400	80	1.1	
0485	TACH	28	0636	0638	0650	S21	E34		03 2.9	14	SN		2	C	0638	61	0.8	EG
		28	1310		1328	No Flare Patrol												
0486	RAMY	28	1550	1556	1559	S12	W44	6508	02 25.3	9	SF	C 2.3	3	E		25		F
0487	RAMY	28	1709	1709	1717	S14	W46	6508	02 25.2	8	SF	C 3.7	3	E		26		F
0488		28	18211	18263	1838	S16	W54	6508	02 24.7	17	SF	C 3.0				34		H
	RAMY	28	1821	1826	1836	S16	W54	6508	02 24.7	15	SF	C 3.0	3	E		35		H
	PALE	28	1822	1829	1839	S16	W53	6508	02 24.7	17	SF		3	E		33		
0489	PALE	28	2050	2056	2102	S16	W90	6504	02 22.0	12	SF		3	E		32		
0490		28	23232	2325	2344	S15	W49	6508	02 25.3	21	1N	C 5.1				92		EF
	LEAR	28	2323	2325	2344	S15	W49	6508	02 25.3	21	1N	C 5.1	3	E		102		FE
	PALE	28	2325		2349D	S15	W49	6508	02 25.3	24D	SF		3	E		82		F
0491	PALE	28	2334E	2334U	2359D	S07	W11	6516	02 28.1	25D	SF		3	E		15		

INTERVALS OF NO FLARE PATROL OBSERVATION
FOR PRECEDING SOLAR FLARE TABLE

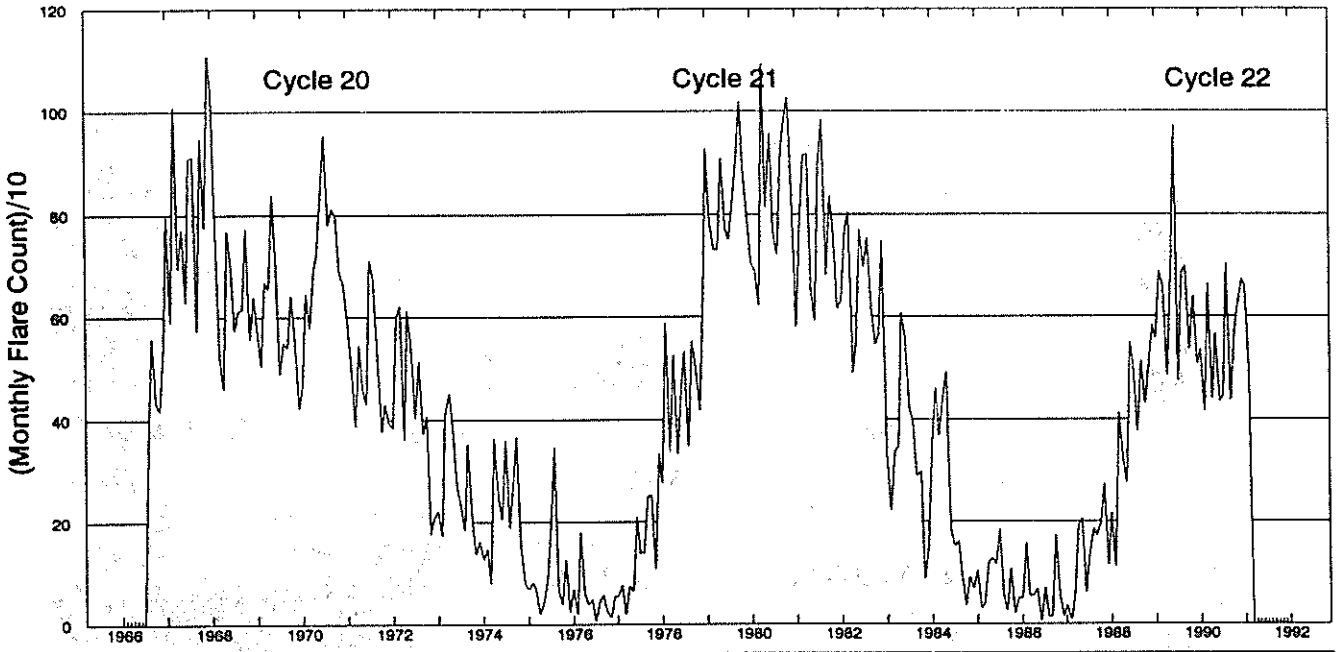
FEBRUARY 1991



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	Kharkov	Ondrejov	Tashkent
Athens	Istanbul	Kodaikanal	Palehua	Urumqi
Bucharest	Kandilli	Learmonth	Peking	Voroshilov
Haute Provence	Kanzelhoehe	Mitaka	Ramey	Watukosek
			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											1150

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

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	200	GORK	44	NS	0609.0E		351.0D		5.0		
	245	SVTO	44	NS	0647.0E	0831.0	452.0D	300.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	30.0			
	127	TORN	44	NS	0700.0E		440.0D		12.0		V=1,DISTURBED
	234	POTS	44	NS	0700.0E	0830.0U	459.0D	100.0			
	245	SGMR	44	NS	1237.0E	1718.0	536.0D	390.0			QL=2 ST=2 TYP=1
	235	CUBA	44	NS	1315.0E		495.0D		31.0		
	280	CUBA	44	NS	1315.0E		495.0D		49.0		
	245	SVTO	44	NS	1521.0E	1521.0	22.0D	88.0			QL=4 ST=2 TYP=1
	200	HIRA	44	NS	2140.0E	0253.0	620.0D	140.0	54.0		O
	245	PALE	44	NS	2151.0E	0252.0	373.0D	180.0			QL=4 ST=2 TYP=1
	245	LEAR	44	NS	2338.0E	0657.0	674.0D	220.0			QL=4 ST=2 TYP=1
	245	PALE	8	S	0156.0E	0156.0	U	96.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0208.0	0210.8	11.0	9.1			
	245	PALE	8	S	0238.0E	0238.0	U	47.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0435.0	0439.2	12.0	6.9			
	2840	PEKG	5	S	0503.0	0514.7	26.0	16.8			
	2840	PEKG	3	S	0557.0	0607.2	32.0	148.7			
	5900	KISV	23	GRF	0558.8	0616.2	50.7	41.0			
	9300	KISV	23	GRF	0559.2	0612.2	64.3	34.0			
	2950	GORK	23	GRF	0601.0	0720.1	356.0	32.0			
	2950	GORK	4	S/F	0601.9	0607.1U	8.7	120.0			
	4995	LEAR	4	S/F	0602.0E	0606.0	9.0D	270.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0602.0E	0603.0	1.0D	20.0			QL=4 ST=2 TYP=3
	5900	KISV	47	GB	0602.0	0606.8	5.6	337.0			
	9100	GORK	21	GRF	0602.7	0819.7	357.0D	36.0			
	9300	KISV	4	S/F	0602.9	0606.8	5.1	49.0			
	8800	LEAR	4	S/F	0603.0E	0606.0	7.0D	110.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	0603.0E	0607.0	7.0D	85.0			QL=2 ST=2 TYP=3
	15000	KISV	23	GRF	0604.0	0631.0	46.8	36.0			
	2850	CRIM	3	S	0604.1	0607.0	7.0	120.0	40.0		
	9100	GORK	2	S/F	0604.6	0606.8	5.6	123.0			
	15000	KISV	2	S/F	0605.2	0606.8	3.5	40.0			
	2840	PEKG	45	C	0635.0	0639.6	24.0	36.3			
	245	LEAR	4	S/F	0637.0E	0638.0	4.0D	300.0			QL=4 ST=3 TYP=3
	15400	SVTO	4	S/F	0637.0E	0639.0	4.0D	82.0			QL=2 ST=2 TYP=3
	2950	GORK	4	S/F	0637.3	0639.5	4.7	36.0			
	5900	KISV	47	GB	0637.6	0639.1	4.4	1617.0			
	100	GORK	41	F	0637.6	0638.5	3.6	4500.0			
	200	GORK	41	F	0637.6	0638.5	3.9	420.0			
	200	GORK	41	F	0637.6	0640.7		420.0			
	100	GORK	41	F	0637.6	0640.8		950.0			
	200	HIRA	46	C	0637.8	0638.0	3.4	327.0			WR
	15000	KISV	2	S/F	0637.8	0639.5	3.8	18.0			
	9300	KISV	45	C	0637.8	0639.6	4.5	37.0			
	9300	KISV	45	C	0637.8	0638.6		18.0			
	410	LEAR	8	S	0638.0E	0639.0	1.0D	88.0			QL=4 ST=3 TYP=3
	4995	LEAR	8	S	0638.0E	0639.0	2.0D	47.0			QL=2 ST=3 TYP=3
	4995	SVTO	8	S	0638.0E	0639.0	2.0D	59.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0638.0E	0638.0	1.0D	260.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0638.0E	0639.0	1.0D	110.0			QL=2 ST=2 TYP=3
	2695	SVTO	4	S/F	0638.0E	0639.0	5.0D	67.0			QL=2 ST=2 TYP=3
	500	HIRA	46	C	0638.0	0638.3	4.0	23.0			WL
	2850	CRIM	1	S	0638.1	0639.5	3.8	44.0	15.0		
	9100	GORK	2	S/F	0638.2	0639.6	3.8	30.0			
	100	HIRA	42	SER	0638.3		2.6	1000.0D			
	650	GORK	4	S/F	0638.4	0639.8	3.3	35.0			
	1415	LEAR	8	S	0639.0E	0639.0	U	13.0			QL=4 ST=3 TYP=3
	610	LEAR	8	S	0639.0E	0639.0	1.0D	36.0			QL=4 ST=3 TYP=3
	2695	LEAR	8	S	0639.0E	0639.0	1.0D	28.0			QL=2 ST=3 TYP=3
	8800	SVTO	8	S	0639.0E	0639.0	U	38.0			QL=2 ST=2 TYP=3
	950	GORK	4	S/F	0639.0U	0639.6	2.7D	40.0			
	2840	PEKG	1	S	0703.0	0706.2	9.0	9.1			
	3013	IZMI	40	F	0703.0	0720.2	24.0	14.0			
	650	GORK	4	S/F	0705.0	0706.3	1.9	35.0			
	950	GORK	1	S	0705.6	0706.3	1.9	4.0			
	2840	PEKG	5	S	0717.0	0720.2	22.0	18.1			
	5900	KISV	29	PBI	0718.1	0726.6	37.4	23.0			
	5900	KISV	4	S/F	0718.1	0719.9	8.5	68.0			

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

FEBRUARY 1991

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	9100	GORK	46	C	0718.4	0723.0		25.0			
	9100	GORK	46	C	0718.4	0730.8		12.0			
	9100	GORK	46	C	0718.4	0719.9	25.0	32.0			
	9300	KISV	29	PBI	0718.7	0727.6	18.0	15.0			
	9300	KISV	4	S/F	0718.7	0719.9	8.9	38.0			
	15000	KISV	21	GRF	0719.0	0723.2	9.0	12.0			
	9300	KISV	4	S/F	0800.6	0801.2	4.5	26.0			
	15000	KISV	47	GB	0800.7	0801.2	4.1	552.0			
	15400	LEAR	8	S	0801.0E	0801.0	1.0D	67.0			QL=4 ST=3 TYP=3
	410	LEAR	8	S	0801.0E	0802.0	1.0D	14.0			QL=4 ST=3 TYP=3
	8800	LEAR	8	S	0801.0E	0801.0	U	19.0			QL=2 ST=3 TYP=3
	15400	SVTO	8	S	0801.0E	0801.0	U	62.0			QL=2 ST=2 TYP=3
	9500	POTS	3	S	0801.0	0801.4	0.7	14.0			
	15000	KISV	2	S/F	0826.2	0826.4	2.1	20.0			
	5900	KISV	42	SER	0848.3	0854.0		19.0			
	5900	KISV	42	SER	0848.3	0849.3	10.0	10.0			
	234	POTS	4	S/F	0914.6	0915.4	1.1	1100.0			
	650	GORK	22	GRF	0956.0U	0958.0	55.0U	7.0			
	15000	KISV	2	S/F	1024.6	1024.8	1.8	15.0			
	9100	GORK	1	S	1030.1	1030.5	1.1	15.0			
	9500	POTS	3	S	1030.2	1030.4	0.7	16.0			
	15000	KISV	2	S/F	1030.2	1030.5	2.5	34.0			
	9300	KISV	2	S/F	1030.2	1030.5	2.0	16.0			
	5900	KISV	2	S/F	1112.5	1113.0	2.0	7.0			
	9300	KISV	2	S/F	1112.6	1112.9	1.5	8.0			
	5900	KISV	4	S/F	1115.5	1120.1	6.2	167.0			
	5900	KISV	29	PBI	1115.5	1121.7	38.2	48.0			
	9300	KISV	4	S/F	1115.7	1120.0U	7.4	105.0D			
	9300	KISV	29	PBI	1115.7	1123.1	37.7	46.0			
	9100	GORK	4	S/F	1116.3	1120.1	20.4	260.0			
	9500	POTS	29	PBI	1116.8	1120.1	23.2	208.0			
	15000	KISV	4	S/F	1118.4	1120.0	9.6	315.0			
	4995	SVTO	4	S/F	1119.0E	1120.0	5.0D	99.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	1119.0E	1120.0	5.0D	210.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1120.0E	1127.0	7.0D	75.0			QL=4 ST=3 TYP=5
	3013	IZMI	41	F	1120.0	1127.0	10.0	28.0	14.0		
	204	IZMI	5	S	1125.5	1125.8	1.2	500.0	250.0		
	9300	KISV	2	S/F	1125.9	1126.9	2.1	14.0			
	610	SVTO	8	S	1126.0E	1126.0	1.0D	160.0			QL=4 ST=2 TYP=3
	410	SVTO	49	GB	1126.0E	1126.0	1.0D	1200.0			QL=4 ST=2 TYP=6
	1415	SVTO	8	S	1126.0E	1126.0	1.0D	160.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1126.0E	1126.0	1.0D	3900.0			QL=4 ST=2 TYP=6
	2695	SVTO	8	S	1126.0E	1126.0	1.0D	45.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1126.0E	1127.0	1.0D	75.0			QL=4 ST=3 TYP=3
	234	POTS	4	S/F	1126.1	1126.5	1.4	3600.0			
	2950	GORK	4	S/F	1126.1	1126.9	1.7	60.0			
	2850	CRIM	1	S	1126.2	1126.9	2.0	35.0	10.0		
	5900	KISV	4	S/F	1126.4	1127.0	1.3	40.0			
	1470	POTS	8	S	1126.4	1126.7	2.6	154.0			
	3000	POTS	4	S/F	1126.5	1127.0	1.3	30.0			
	600	HUMN	8	S	1126.5	1126.6	0.2	66.0	30.0		
	650	GORK	4	S/F	1126.5	1126.9	0.8U	75.0			
	113	POTS	4	S/F	1126.6	1127.2	1.3	280.0			
	950	GORK	4	S/F	1126.6	1126.9	0.7U	75.0			
	410	SVTO	8	S	1144.0E	1145.0	2.0D	450.0			QL=4 ST=2 TYP=3
	8800	SVTO	49	GB	1144.0E	1145.0	3.0D	570.0			QL=2 ST=2 TYP=6
	610	SVTO	49	GB	1144.0E	1145.0	3.0D	520.0			QL=4 ST=2 TYP=6
	2695	SVTO	4	S/F	1144.0E	1145.0	3.0D	2.0			QL=4 ST=2 TYP=3
	245	SVTO	49	GB	1144.0E	1145.0	2.0D	3900.0			QL=2 ST=2 TYP=6
	1415	SVTO	8	S	1144.0E	1145.0	2.0D	190.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1144.0E	1145.0	3.0D	490.0			QL=2 ST=2 TYP=3
	15400	SVTO	4	S/F	1144.0E	1145.0	3.0D	260.0			QL=2 ST=2 TYP=3
	234	POTS	41	F	1144.0	1144.6	7.1	12000.0			
	127	TORN	47	GB	1144.1	1145.0U	2.0	2800.0D	360.0		
	950	GORK	47	GB	1144.1	1145.5	6.9	670.0			
	100	GORK	41	F	1144.2	1155.0		8700.0			
	204	IZMI	45	C	1144.2	1145.0	8.0	100000.0			
	9500	POTS	3	S	1144.2	1145.0	6.3	421.0			
	200	GORK	41	F	1144.2	1145.2	7.2	2500.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	100	GORK	41	F	1144.2	1145.2	12.8	2000.0			
	100	GORK	41	F	1144.2	1150.3		13600.0			
	5900	KISV	47	GB	1144.2	1145.3	5.5	750.0			
	200	GORK	41	F	1144.2	1150.4		3100.0			
	9300	KISV	47	GB	1144.2	1145.4	7.5	417.0			
	2950	GORK	4	S/F	1144.2	1145.5	4.1	220.0			
	3013	IZMI	7	C	1144.2	1145.5	6.0	200.0			
	113	POTS	41	F	1144.2	1150.7	11.9	1800.0			
	33	UPIC	46	C	1144.3	1145.0	2.7				
	40	POTS	4	S/F	1144.3	1145.2	3.5				
	9100	GORK	4	S/F	1144.3	1145.3	77.1	715.0			
	2850	CRIM	3	S	1144.3	1144.5	7.0	230.0	69.0		
	650	GORK	47	GB	1144.3	1145.5	6.7	465.0			
	600	HUMN	2	S/F	1144.3	1145.5	10.3	205.0	22.0		
	15000	KISV	4	S/F	1144.4	1145.3	6.5	344.0			
	1470	POTS	4	S/F	1144.4	1145.5	8.1	170.0			
	3000	POTS	4	S/F	1144.5U	1146.0U	6.5D	200.0			
	245	SVTO	49	GB	1149.0E	1149.0	1.0D	1900.0			QL=2 ST=3 TYP=6
	127	TORN	47	GB	1151.7	1154.0U	6.0	19000.0D	5000.0		
	15400	SGMR	8	S	1223.0E	1223.0	U	62.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1223.0E	1223.0	1.0D	95.0			QL=2 ST=2 TYP=3
	9500	POTS	40	F	1223.5	1227.8	8.8	21.0			
	9400	HUAN	2	S/F	1225.3	1226.4	4.5	11.5	4.6		
	9400	HUAN	1	S	1238.3	1241.0	4.8	9.2	3.9		
	810	KRAK	47	GB	1244.3U	1245.0U	7.0D	200.0D	40.0D		
	430	KRAK	47	GB	1244.3U	1245.0U	5.0D	140.0D	42.0D		
	9500	POTS	42	SER	1244.6	1300.0	40.4	206.0			
	3000	POTS	4	S/F	1245.0U	1248.4U	9.0D	42.0			
	9400	HUAN	4	S/F	1245.2	1248.0	7.0	39.2	18.8		
	245	SGMR	8	S	1246.0E	1246.0	1.0D	360.0			QL=4 ST=3 TYP=3
	8800	SGMR	8	S	1247.0E	1248.0	1.0D	31.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1247.0E	1248.0	2.0D	47.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1247.0E	1247.0	U	32.0			QL=2 ST=2 TYP=3
	2850	CRIM	1	S	1247.0	1247.6	3.0	35.0	11.0		
	4995	SGMR	4	S/F	1256.0E	1300.0	4.0D	110.0			QL=4 ST=2 TYP=3
	9400	HUAN	45	C	1256.6	1300.2	9.8	212.2	96.4		
	8800	SGMR	8	S	1258.0E	1300.0	2.0D	230.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1258.0E	1300.0	5.0D	220.0			QL=2 ST=2 TYP=3
	15400	SGMR	8	S	1259.0E	1300.0	1.0D	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	1259.0E	1300.0	2.0D	170.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	1300.0E	1300.0	U	57.0			QL=2 ST=2 TYP=3
	9400	HUAN	29	PBI	1306.4	1306.4	42.6	16.1	7.2		
	9500	POTS	4	S/F	1402.2	1402.5	1.3	12.0			
	15000	CUBA	1	S	1409.7	1410.0	1.3	11.0	5.0		22L
	2800	OTTA	20	GRF	1418.0	1433.0	80.0	11.7	5.0		
	245	SVTO	8	S	1516.0E	1516.0	U	120.0			QL=2 ST=2 TYP=3
	9400	HUAN	21	GRF	1558.9	1623.5	57.2	11.5	4.7		
	9400	HUAN	3	S	1616.2	1617.9	4.4	34.6	12.8		
	6700	CUBA	1	S	1616.3	1618.0	6.7	28.0	14.0		POL FAILURE
	15000	CUBA	1	S	1617.0	1618.0	1.2	9.0	4.0		38L
	9500	CUBA	21	GRF	1617.0	1620.0	10.0	8.0	4.0		
	9500	CUBA	1	S	1617.1	1618.0	2.0	19.0	9.0		
	2800	OTTA	3	S	1733.4	1735.7	7.5	14.4	3.0		
	9400	HUAN	1	S	1800.8	1804.0	6.3	13.8	5.2		
	6700	CUBA	1	S	1815.2	1816.3	2.3	21.0	11.0		
	9400	HUAN	23	GRF	1938.5	2013.4	109.7	27.7	11.6		
	9400	HUAN	4	S/F	2001.4	2002.0	3.6	34.6	13.1		
	245	PALE	8	S	2046.0E	2046.0	U	60.0			QL=4 ST=2 TYP=3
	500	HIRA	24	R	2139.0E	2657.0	406.0D	33.0	15.0		O
	245	LEAR	8	S	2311.0E	2312.0	1.0D	63.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2322.0E	2322.0	U	120.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	2322.0E	2322.0	2.0D	170.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	2322.0E	2322.0	1.0D	62.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	2322.0E	2322.0	3.0D	130.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2322.0E	2322.0	3.0D	160.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2326.0E	2326.0	2.0D	73.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2332.0E	2332.0	U	190.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2332.0E	2332.0	U	300.0			QL=2 ST=2 TYP=3

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

FEBRUARY 1991

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	200	GORK	44	NS	0609.0E		351.0D		5.0		
	245	SVTO	44	NS	0634.0E	0636.0	1046.0D	97.0			QL=4 ST=1 TYP=1
	204	IZMI	43	NS	0700.0		300.0	45.0			
	127	TORN	44	NS	0700.0E		440.0D		20.0		V=1
	260	ONDR	44	NS	1000.0E	1206.5	175.0D	190.0			
	280	CUBA	44	NS	1315.0E		495.0D		35.0		
	235	CUBA	44	NS	1315.0E		495.0D		22.0		
	200	HIRA	43	NS	2222.0	2300.0	580.0D	19.0	7.0		ML
	245	LEAR	4	S/F	0009.0E	0011.0	6.0D	280.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0010.0E	0010.0	U	20.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	0010.0E	0010.0	U	14.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0011.0E	0011.0	1.0D	380.0			QL=2 ST=2 TYP=3
	100	HIRA	27	RF	0148.0	0300.0	109.0	76.0	28.0		
	5900	KISV	22	GRF	0628.1	0630.8	19.0	13.0			
	9300	KISV	2	S/F	0630.1	0631.4	3.2	10.0			
	9100	GORK	23	GRF	0650.8	1200.0U	309.2D	30.0			
	410	LEAR	8	S	0700.0E	0700.0	1.0D	27.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0700.0E	0702.0	7.0D	1200.0			QL=2 ST=2 TYP=7
	245	SVTO	49	GB	0701.0E	0702.0	6.0D	1100.0			QL=2 ST=2 TYP=7
	2840	PEKG	20	GRF	0703.0	0706.0	16.0	9.8			
	9300	KISV	4	S/F	0703.6	0707.2	6.1	39.0			
	5900	KISV	4	S/F	0703.7	0707.2	10.0	41.0			
	8800	LEAR	4	S/F	0705.0E	0707.0	8.0D	35.0			QL=2 ST=2 TYP=3
	4995	LEAR	4	S/F	0705.0E	0707.0	6.0D	29.0			QL=2 ST=2 TYP=3
	9100	GORK	2	S/F	0705.5	0707.2	6.5	30.0			
	9300	KISV	29	PBI	0709.7E	0709.7	23.0	21.0			
	3013	IZMI	41	F	0816.0	0817.5	10.0	13.0			
	2950	GORK	2	S/F	0816.3	0817.0	3.4	10.0			
	2850	CRIM	42	SER	0816.5	0822.1		9.0			
	2850	CRIM	42	SER	0816.5	0817.5	8.0	11.0	3.0		
	430	KRAK	8	S	0818.0	0818.3	0.5	19.0			
	5900	KISV	4	S/F	0821.5	0822.2	2.0	29.0			
	9300	KISV	2	S/F	0821.5	0822.2	3.1	14.0			
	2950	GORK	1	S	0821.6	0822.1	1.0	6.0			
	9300	KISV	20	GRF	0829.6	0841.4	18.8	16.0			
	5900	KISV	2	S/F	0839.3	0841.4	4.6	9.0			
	5900	KISV	21	GRF	0854.9	0902.9		10.0			
	5900	KISV	21	GRF	0854.9	0858.9	15.2	11.0			
	9300	KISV	21	GRF	0856.7	0904.1	23.5	10.0			
	9300	KISV	21	GRF	0856.7	0858.9		9.0			
	245	LEAR	4	S/F	0910.0E	0917.0	9.0D	420.0			QL=2 ST=2 TYP=5
	410	LEAR	4	S/F	0910.0E	0912.0	3.0D	33.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0911.0E	0917.0	8.0D	470.0			QL=2 ST=2 TYP=5
	9300	KISV	20	GRF	0923.2	0929.0	11.6	9.0			
	5900	KISV	21	GRF	0933.8	0934.0	13.0	12.0			
	2950	GORK	1	S	0942.7	0943.8	2.6	6.0			
	2850	CRIM	1	S	0943.0	0943.8	1.5	6.0	2.0		
	3013	IZMI	1	S	0947.5	0948.5	3.0	8.0			
	9300	KISV	21	GRF	1005.3	1013.6	15.8	10.0			
	5900	KISV	20	GRF	1012.0	1019.9	10.2	8.0			
	15000	KISV	2	S/F	1013.5	1013.7	1.1	8.0			
	5900	KISV	4	S/F	1030.7	1033.3	8.6	15.0			
	9300	KISV	2	S/F	1031.7	1033.2	6.8	17.0			
	9300	KISV	20	GRF	1053.6	1058.4	9.3	12.0			
	9300	KISV	20	GRF	1112.7	1117.7	10.3	12.0			
	5900	KISV	20	GRF	1113.5	1115.6	9.2	9.0			
	9500	POTS	40	F	1142.5	1146.4	8.0	22.0			
	9300	KISV	45	C	1142.6	1147.4	20.4	32.0			
	9300	KISV	45	C	1142.6	1145.9		28.0			
	5900	KISV	45	C	1144.5	1147.5	18.5	23.0			
	5900	KISV	45	C	1144.5	1145.9		18.0			
	9100	GORK	2	S/F	1145.0	1147.4	3.7	20.0			
	15000	KISV	21	GRF	1145.5	1147.8	13.8	10.0			
	245	SGMR	8	S	1228.0E	1228.0	U	55.0			QL=2 ST=2 TYP=3
	9400	HUAN	23	GRF	1310.5	1356.0	113.3	31.7	17.6		
	9500	POTS	2	S/F	1329.5	1341.5	12.0	9.0			
	9500	POTS	21	GRF	1338.5	1355.0	46.6	26.0			
	3000	POTS	40	F	1339.5	1343.8	11.5	31.0			
	9400	HUAN	1	S	1341.8	1343.5	3.4	17.9	6.6		

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	9500	POTS	4	S/F	1342.2	1343.4	2.8	16.0			
	9500	POTS	1	S	1346.4	1346.6		9.0			
	9400	HUAN	22	GRF	1356.6	1442.6	61.0	18.4	8.4		
	9400	HUAN	22	GRF	1526.1	1613.4	72.0	6.0	2.7		
	245	SGMR	4	S/F	1557.0E	1559.0	3.0D	230.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1604.0E	1604.0	2.0D	170.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1637.0E	1638.0	1.0D	150.0			QL=4 ST=2 TYP=3
	9400	HUAN	22	GRF	1753.3	1849.6	75.7	21.8	10.4		
	2800	OTTA	20	GRF	1845.0	1850.5	20.0	14.8	4.0		
	245	SGMR	8	S	1912.0E	1913.0	2.0D	140.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1913.0E	1913.0	U	160.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1916.0E	1917.0	1.0D	61.0			QL=4 ST=2 TYP=3
	9400	HUAN	20	GRF	1938.5	1956.0	105.6	29.8	12.6		
	245	PALE	8	S	1958.0E	1958.0	U	130.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1958.0E	1958.0	2.0D	120.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	2004.0E	2005.0	1.0D	140.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	2004.0E	2005.0	8.0D	140.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	2211.0	2218.0	10.8	19.8	8.4		
	245	LEAR	4	S/F	2235.0E	2243.0	8.0D	75.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2237.0E	2237.0	U	75.0			QL=4 ST=2 TYP=3
	500	HIRA	20	GRF	2240.0	2300.0	95.0	6.0	4.0		WL
	200	HIRA	42	SER	2253.5	2256.8	13.2	120.0			ML
	245	LEAR	8	S	2336.0E	2337.0	2.0D	57.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	2341.0E	2343.0	2.0D	100.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2343.0E	2343.0	U	95.0			QL=4 ST=2 TYP=3
03	245	LEAR	44	NS	0317.0E	1033.0	455.0D	180.0			QL=4 ST=2 TYP=1
	200	GORK	44	NS	0551.0E		369.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	25.0			
	245	SVTO	44	NS	0709.0E	1039.0U	516.0D	180.0			QL=2 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	1033.1	240.0D	456.0			
	127	TORN	44	NS	1046.0E		240.0D		9.0		V=1
	280	CUBA	44	NS	1323.0E		468.0D		58.0		
	235	CUBA	44	NS	1323.0E		468.0D		44.0		
	245	SGMR	44	NS	1431.0E	1454.0	424.0D	300.0			QL=4 ST=2 TYP=1
	245	PALE	44	NS	2118.0E	2121.0	19.0D	88.0			QL=4 ST=2 TYP=1
	200	HIRA	44	NS	2136.0E	0628.0	620.0D	52.0	30.0		ML
	245	LEAR	44	NS	2329.0E	0205.0	601.0D	200.0			QL=4 ST=2 TYP=1
	410	LEAR	8	S	0022.0E	0023.0	1.0D	66.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0022.0E	0023.0	1.0D	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0101.0E	0101.0	1.0D	340.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0101.0E	0101.0	U	340.0			QL=4 ST=3 TYP=3
	500	HIRA	27	RF	0245.0	0308.0	60.0	4.0	2.0		WL
	245	LEAR	8	S	0255.0E	0256.0	1.0D	65.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0258.0E	0258.0	2.0D	130.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0258.0E	0258.0	U	84.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0259.0E	0300.0	1.0D	94.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0303.0E	0304.0	1.0D	110.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0310.0E	0311.0	2.0D	51.0			QL=2 ST=2 TYP=3
	5900	KISV	2	S/F	0613.0	0613.7	1.3	8.0			
	9300	KISV	22	GRF	0622.9	0630.0	30.4	10.0			
	9300	KISV	22	GRF	0622.9	0640.1		10.0			
	5900	KISV	2	S/F	0627.8	0630.0	4.9	5.0			
	9100	GORK	2	S/F	0655.8	0656.1	3.2	10.0			
	234	POTS	4	S/F	0716.3	0717.1	1.3	400.0			
	9100	GORK	23	GRF	0721.0	0927.0	279.0D	20.0			
	9300	KISV	21	GRF	0729.4	0733.1	15.8	10.0			
	5900	KISV	2	S/F	0732.5	0732.9	1.9	5.0			
	204	IZMI	8	S	0740.5	0740.5	0.5	400.0			
	5900	KISV	2	S/F	0750.7	0753.5	6.9	7.0			
	204	IZMI	8	S	0750.8	0750.9	0.2	550.0	400.0		
	9300	KISV	2	S/F	0753.0	0753.7	4.7	6.0			
	9300	KISV	20	GRF	0804.0	0811.7	17.6	13.0			
	430	KRAK	42	SER	0811.0	1050.0		125.0			
	430	KRAK	42	SER	0811.0	0957.0		190.0D			
	4995	LEAR	8	S	0811.0E	0811.0	U	14.0			QL=2 ST=2 TYP=3
	610	LEAR	8	S	0811.0E	0811.0	U	23.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0811.0E	0811.0	U	56.0			QL=4 ST=2 TYP=3
	430	KRAK	42	SER	0811.0	0811.0	280.0	210.0D			

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

FEBRUARY 1991

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	430	KRAK	42	SER	0811.0	1053.2		119.0			
	430	KRAK	42	SER	0811.0	0913.7		71.0			
	5900	KISV	42	SER	0811.2	0811.7	16.8	12.0			
	5900	KISV	42	SER	0811.2	0819.8		9.0			
	650	GORK	2	S/F	0811.3	0811.5	1.5	9.0			
	2950	GORK	1	S	0811.3	0811.5	4.0	2.5			
	950	GORK	2	S/F	0811.3	0811.5	1.5	6.0			
	600	HUMN	2	S/F	0812.0	0812.4	1.0	25.0	10.0		
	9300	KISV	23	GRF	0825.4	0842.9	27.4	8.0			
	2950	GORK	1	S	0831.3	0832.0	3.1	7.0			
	9500	POTS	4	S/F	0831.6	0832.0	2.3	30.0			
	3013	IZMI	1	S	0831.6	0832.3	2.0	7.0	4.0		
	9100	GORK	2	S/F	0831.7	0832.0	2.8	40.0			
	15000	KISV	2	S/F	0831.7	0832.0	1.9	31.0			
	5900	KISV	4	S/F	0831.7	0832.2	6.6	32.0			
	9300	KISV	4	S/F	0831.8	0832.2	1.7	41.0			
	5900	KISV	4	S/F	0842.0	0845.6	8.0	18.0			
	1415	LEAR	49	GB	0914.0E	0919.0	7.0D	2900.0			QL=4 ST=2 TYP=7
	15400	LEAR	4	S/F	0914.0E	0916.0	9.0D	310.0			QL=4 ST=3 TYP=5
	8800	LEAR	4	S/F	0914.0E	0916.0	9.0D	360.0			QL=2 ST=2 TYP=5
	4995	SVTO	4	S/F	0914.0E	0916.0	9.0D	450.0			QL=4 ST=3 TYP=5
	2695	SVTO	4	S/F	0914.0E	0916.0	8.0D	190.0			QL=4 ST=3 TYP=5
	1415	SVTO	49	GB	0914.0E	0919.0	5.0D	2600.0			QL=4 ST=3 TYP=6
	8800	SVTO	4	S/F	0914.0E	0916.0	8.0D	420.0			QL=4 ST=3 TYP=5
	15400	SVTO	4	S/F	0914.0E	0916.0	8.0D	260.0			QL=4 ST=3 TYP=5
	2695	LEAR	4	S/F	0914.0E	0916.0	11.0D	210.0			QL=2 ST=2 TYP=5
	4995	LEAR	4	S/F	0914.0E	0916.0	10.0D	420.0			QL=2 ST=2 TYP=5
	9300	KISV	4	S/F	0914.1	0917.0U	9.7	106.0D			
	5900	KISV	47	GB	0914.1	0919.2		310.0			
	5900	KISV	47	GB	0914.1	0916.7	8.7	591.0			
	5900	KISV	29	PBI	0914.1	0922.8	19.8	32.0			
	9300	KISV	29	PBI	0914.1	0923.8	79.0	18.0			
	9100	GORK	46	C	0914.2	0919.2		280.0			
	9100	GORK	46	C	0914.2	0916.7	11.3	530.0			
	3013	IZMI	7	C	0914.2	0916.8	12.0	195.0			
	2850	CRIM	45	C	0914.3	0919.2		149.0			
	15000	KISV	45	C	0914.3	0919.2		175.0			
	9500	POTS	42	SER	0914.3	0917.3	10.9	385.0			
	2850	CRIM	29	PBI	0914.3	0924.3	36.0	16.0	5.0		
	2950	GORK	46	C	0914.3	0919.4		125.0			
	2850	CRIM	45	C	0914.3	0916.5	10.0	218.0	70.0		
	2950	GORK	29	PBI	0914.3	0923.5	65.0	30.0			
	810	KRAK	8	S	0914.3	0914.6	0.4	190.0			
	15000	KISV	45	C	0914.3	0916.7	9.4	317.0			
	2950	GORK	46	C	0914.3	0916.9U	9.2	225.0			
	1470	POTS	45	C	0914.4	0919.6	8.0	790.0			
	3000	POTS	42	SER	0914.4	0916.8	11.1	233.0			
	650	GORK	22	GRF	0914.5	0940.0	102.5	10.0			
	950	GORK	4	S/F	0914.5	0914.8	0.5	120.0			
	650	GORK	8	S	0914.7	0914.7	0.2	6.0			
	950	GORK	21	GRF	0916.0	0940.0	101.0	5.0			
	1415	SVTO	49	GB	0919.0E	0919.0	U	2600.0			QL=4 ST=3 TYP=6
	234	POTS	4	S/F	0953.7	0954.4	3.5	400.0			
	410	SVTO	8	S	0956.0E	0957.0	1.0D	290.0			QL=4 ST=2 TYP=3
	536	ONDR	21	GRF	1010.0	1014.0	73.0	22.0			
	9300	KISV	2	S/F	1023.2	1023.7	1.7	6.0			
	234	POTS	4	S/F	1046.7	1047.4	0.9	250.0			
	5900	KISV	45	C	1049.0	1050.1		49.0			
	5900	KISV	45	C	1049.0	1053.2	9.2	190.0			
	808	ONDR	8	S	1049.4	1049.5	1.0	50.0			
	9300	KISV	45	C	1049.7	1050.0		55.0			
	9300	KISV	45	C	1049.7	1053.0U	9.9	107.0D			
	2950	GORK	45	C	1049.8	1050.1	8.5	15.0			
	15000	KISV	4	S/F	1049.8	1053.2	4.8	210.0			
	2950	GORK	45	C	1049.8	1053.5		58.0			
	2850	CRIM	45	C	1049.9	1050.0	6.0	18.0			
	9100	GORK	46	C	1049.9	1053.2		220.0			
	9100	GORK	46	C	1049.9	1050.2	5.0	45.0			
	2850	CRIM	45	C	1049.9	1053.4		75.0			

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

FEBRUARY 1991

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	32	ABS	1051.5	1056.5	14.0				
	8800	SVTO	8	S	1052.0E	1053.0	2.0D	160.0			QL=4 ST=2 TYP=3
	4995	SVTO	8	S	1052.0E	1053.0	2.0D	130.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1052.0E	1053.0	1.0D	140.0			QL=2 ST=2 TYP=3
	3013	IZMI	5	S	1052.6	1053.3	3.0	72.0			
	808	ONDR	8	S	1052.8	1053.0	0.7	149.0			
	810	KRAK	8	S	1053.0	1053.0	0.1	170.0			
	2695	SVTO	8	S	1053.0E	1053.0	U	59.0			QL=4 ST=2 TYP=3
	650	GORK	8	S	1053.1	1053.2	0.3	33.0			
	950	GORK	4	S/F	1053.1	1053.5	0.4	150.0			
	950	GORK	5	S	1122.0	1122.0	0.2	15.0			
	234	POTS	4	S/F	1221.2	1221.2	0.4	500.0			
	9400	HUAN	20	GRF	1311.1	1344.6	62.2	12.2	5.8		
	245	SGMR	8	S	1335.0E	1335.0	U	210.0			QL=4 ST=3 TYP=3
	245	SVTO	8	S	1335.0E	1335.0	U	230.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1431.0E	1432.0	1.0D	63.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1432.0E	1432.0	U	74.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1447.0E	1448.0	1.0D	490.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	1448.0E	1448.0	U	460.0			QL=4 ST=2 TYP=3
	6700	CUBA	3	S	1450.3	1450.7	7.7	26.0	13.0		
	245	SVTO	8	S	1454.0E	1454.0	U	310.0			QL=2 ST=2 TYP=3
	9400	HUAN	1	S	1504.2	1506.5	6.1	8.7	3.6		
	2800	OTTA	3	S	1506.3	1506.7	2.2	14.3	3.0		
	9400	HUAN	22	GRF	1540.0	1554.3	55.0	10.4	4.8		
	6700	CUBA	1	S	1555.1	1556.8	2.9	40.0	20.0		
	6700	CUBA	29	PBI	1558.0		16.0	7.0	3.0		
	410	SGMR	8	S	1641.0E	1641.0	1.0D	71.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	1654.6	1658.5	10.4	8.7	4.0		
	245	PALE	8	S	1951.0E	1952.0	1.0D	110.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2137.0E	2137.0	23.0D	16.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2138.0E	2139.0	4.0D	29.0			QL=4 ST=2 TYP=3
	2695	PALE	20	GRF	2139.0E	2150.0	19.0D	54.0			QL=4 ST=2 TYP=2
	4995	PALE	20	GRF	2139.0E	2149.0	19.0D	57.0			QL=4 ST=2 TYP=2
	9400	HUAN	1	S	2214.8	2217.2	7.8	20.9	8.9		
	245	PALE	8	S	2218.0E	2218.0	U	170.0			QL=4 ST=2 TYP=3
	500	HIRA	27	RF	2307.0	2344.0	70.0	8.0	5.0		WL
04	245	PALE	44	NS	0202.0E	0205.0	124.0D	160.0			QL=4 ST=2 TYP=1
	200	GORK	44	NS	0551.0E		399.0D		5.0		
	100	GORK	43	NS	0607.0		383.0		5.0		
	245	SVTO	44	NS	0617.0E	0655.0	80.0D	210.0			QL=4 ST=2 TYP=1
	204	IZMI	43	NS	0700.0		300.0	35.0			
	127	TORN	44	NS	0700.0E		440.0D		30.0		V=2
	245	SVTO	44	NS	1031.0E	1041.0	132.0D	170.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1400.0E		450.0D		24.0		
	280	CUBA	44	NS	1400.0E		450.0D		35.0		
	245	SGMR	44	NS	1403.0E	1823.0	454.0D	290.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	1726.0E	1823.0	113.0D	230.0			QL=4 ST=2 TYP=1
	200	HIRA	44	NS	2136.0E	0612.0	620.0D	12.0	8.0		WL
	410	LEAR	8	S	0138.0E	0138.0	U	380.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	0138.0E	0138.0	1.0D	850.0			QL=4 ST=2 TYP=6
	2840	PEKG	5	S	0148.0	0148.9	4.0	26.8			
	15400	LEAR	8	S	0149.0E	0149.0	U	80.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0149.0E	0149.0	1.0D	55.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	0149.0E	0149.0	U	71.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	0149.0E	0149.0	U	70.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0158.0E	0159.0	3.0D	320.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0158.0E	0159.0	1.0D	290.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0313.0	0314.7	5.0	35.5			
	610	LEAR	8	S	0314.0E	0314.0	2.0D	130.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0314.0E	0314.0	U	120.0			QL=4 ST=2 TYP=3
	100	GORK	4	S/F	0659.4	0700.6	1.5	130.0			
	245	LEAR	8	S	0700.0E	0701.0	1.0D	66.0			QL=2 ST=2 TYP=3
	200	GORK	4	S/F	0700.0	0700.5	0.9	530.0			
	204	IZMI	42	SER	0736.0	0743.0	7.5	1100.0			
	245	LEAR	8	S	0736.0E	0736.0	U	74.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0736.0E	0736.0	1.0D	150.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0745.0E	0745.0	U	120.0			QL=4 ST=2 TYP=3
	9300	KISV	2	S/F	0745.2	0745.6	2.9	7.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	9100	GORK	1	S	0837.0	0838.0	3.5	10.0			
	15000	KISV	2	S/F	0837.1	0838.0	3.4	43.0			
	9300	KISV	2	S/F	0837.8	0838.0	0.8	6.0			
	9500	POTS	4	S/F	0837.8	0838.0	1.0	12.0			
	9300	KISV	23	GRF	0935.2	0940.8	25.8	12.0			
	9100	GORK	2	S/F	0939.6	0940.4	2.1	10.0			
	245	LEAR	8	S	0951.0E	0952.0	2.0D	190.0			QL=4 ST=2 TYP=3
	410	LEAR	49	GB	0952.0E	0957.0	5.0D	3700.0			QL=4 ST=2 TYP=6
	430	KRAK	42	SER	0953.0	0953.2U	4.5	200.0D			
	9300	KISV	2	S/F	0953.1	0957.3	6.1	15.0			
	5900	KISV	2	S/F	0956.1	0957.4	5.0	8.0			
	410	SVTO	49	GB	0957.0E	0957.0	U	2600.0			QL=4 ST=2 TYP=6
	600	HUMN	2	S/F	0957.0	0957.2	0.6	42.0	15.0		
	2850	CRIM	1	S	0957.0	0957.3	0.6	4.0	1.0		
	9500	POTS	2	S/F	0957.0	0957.3	1.0	7.0			
	9100	GORK	2	S/F	0957.0	0957.4	0.7	10.0			
	650	GORK	4	S/F	0957.1	0957.4	0.9	45.0			
	950	GORK	45	C	0957.1	0957.4	2.9	2.0			
	2950	GORK	1	S	0957.1	0957.6	1.1	3.0			
	950	GORK	45	C	0957.1	0959.8		2.0			
	650	GORK	2	S/F	0959.6	0959.8	0.4	6.0			
	260	ONDR	40	F	1000.0	1137.8	240.0	267.0			
	200	GORK	41	F	1026.7	1035.0U	19.8	20.0D			
	200	GORK	41	F	1026.7	1045.9		280.0			
	100	GORK	41	F	1027.5	1046.1		80.0			
	100	GORK	41	F	1027.5	1031.6U	191.0	40.0D			
	245	LEAR	8	S	1035.0E	1037.0	2.0D	75.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	1041.0E	1041.0	4.0D	190.0			QL=4 ST=2 TYP=3
	9300	KISV	46	C	1043.0	1052.0		48.0			
	9300	KISV	30	PBI	1043.0	1100.0	59.0	29.0			
	9300	KISV	46	C	1043.0	1048.4	17.0	82.0			
	9300	KISV	46	C	1043.0	1048.8		81.0			
	15000	KISV	45	C	1044.4	1052.0		47.0			
	15000	KISV	29	PBI	1044.4	1058.0	37.6	17.0			
	15000	KISV	45	C	1044.4	1048.8	9.2	55.0			
	9100	GORK	46	C	1045.0	1052.0		20.0			
	5900	KISV	46	C	1045.0U	1052.0		104.0			
	5900	KISV	30	PBI	1045.0U	1100.0	58.0D	87.0			
	9100	GORK	46	C	1045.0	1048.2		100.0			
	5900	KISV	46	C	1045.0U	1050.2		112.0			
	9100	GORK	46	C	1045.0	1047.5	9.0	40.0			
	5900	KISV	46	C	1045.0U	1048.8	15.0U	125.0			
	650	GORK	1	S	1045.9	1046.1	0.3	2.0			
	2950	GORK	20	GRF	1046.4	1050.2	21.6	6.0			
	8800	SVTO	4	S/F	1047.0E	1048.0	6.0D	90.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1047.0E	1048.0	5.0D	73.0			QL=2 ST=2 TYP=3
	33	UPIC	32	ABS	1047.0	1054.0	24.0				
	9100	GORK	29	PBI	1054.0	1054.0	81.0D	25.0			
	9300	KISV	22	GRF	1124.4	1125.6	11.6	10.0			
	5900	KISV	22	GRF	1124.6	1130.2	21.4	15.0			
	9500	POTS	40	F	1124.6	1125.7	10.4	9.0			
	9300	KISV	2	S/F	1156.2	1156.6	2.8	11.0			
	15000	KISV	2	S/F	1156.3	1156.6	2.3	33.0			
	9500	POTS	2	S/F	1207.0	1207.6	1.4	9.0			
	245	SGMR	8	S	1242.0E	1242.0	1.0D	88.0			QL=4 ST=2 TYP=3
	9500	POTS	3	S	1244.8	1245.3	1.2	16.0			
	430	KRAK	8	S	1325.7	1326.1	0.5	180.0D			
	9400	HUAN	1	S	1342.8	1345.1	4.2	12.4	5.2		
	9400	HUAN	20	GRF	1409.6	1421.7	24.7	3.5	1.9		
	9400	HUAN	3	S	1449.5	1450.4	1.7	61.9	19.6		
	4995	SGMR	8	S	1450.0E	1450.0	U	28.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1450.0E	1450.0	1.0D	77.0			QL=4 ST=2 TYP=3
	610	SGMR	49	GB	1450.0E	1450.0	U	720.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	1450.0E	1450.0	1.0D	3600.0			QL=4 ST=2 TYP=6
	15400	SGMR	8	S	1450.0E	1450.0	1.0D	140.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1450.0E	1450.0	U	85.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	1450.0E	1450.0	1.0D	30.0			QL=4 ST=2 TYP=3
	410	SVTO	49	GB	1450.0E	1450.0	1.0D	4900.0			QL=4 ST=2 TYP=6
	610	SVTO	8	S	1450.0E	1450.0	U	370.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
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FEBRUARY 1991

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	8800	SVTO	8	S	1450.0E	1450.0	U	63.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1450.1	1450.8	1.0	79.0	39.0		
	15000	CUBA	1	S	1450.4	1450.5	1.9	116.0	58.0		25L
	2800	OTTA	3	S	1450.5	1450.6	7.5	19.6	4.0		
	9400	HUAN	23	GRF	1535.1	1610.6	100.4	19.4	8.8		
	245	SGMR	8	S	1540.0E	1540.0	1.0D	420.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1540.0E	1540.0	1.0D	110.0			QL=4 ST=2 TYP=3
	9400	HUAN	4	S/F	1554.6	1556.6	5.7	42.4	16.8		
	9500	CUBA	1	S	1556.1	1556.7	2.9	30.0	15.0		
	9400	HUAN	20	GRF	1722.3	1750.6	52.2	7.1	3.2		
	9400	HUAN	1	S	1840.7	1842.2	5.7	14.1	6.4		
	9500	CUBA	1	S	1841.3	1842.0	1.7	13.0	6.0		
	9400	HUAN	2	S/F	1853.7	1858.8	7.5	12.4	5.6		
	410	PALE	49	GB	1858.0E	1858.0	U	2500.0			QL=4 ST=2 TYP=6
	610	PALE	8	S	1858.0E	1858.0	1.0D	320.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1858.0E	1858.0	U	360.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1858.0E	1858.0	1.0D	1800.0			QL=4 ST=2 TYP=6
	9400	HUAN	3	S	2007.6	2010.1	6.4	24.7	11.8		
	9500	CUBA	1	S	2009.1	2010.0	3.3	11.0	5.0		
	9400	HUAN	22	GRF	2041.4	2102.2	35.0	10.6	4.6		
	9400	HUAN	3	S	2139.0	2140.5	4.3	40.6	18.8		
	9400	HUAN	1	S	2231.3	2233.8	4.9	12.4	5.1		
05	200	GORK	44	NS	0534.0E		414.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	15.0			
	127	TORN	43	NS	1019.0		240.0		8.0		V=0,DISTURBED
	235	CUBA	44	NS	1319.0E		471.0D		26.0		
	280	CUBA	44	NS	1319.0E		471.0D		37.0		
	245	SGMR	44	NS	1920.0E	2009.0	138.0D	350.0			QL=2 ST=2 TYP=1
	245	PALE	44	NS	2035.0E	2302.0	208.0D	200.0			QL=4 ST=2 TYP=1
	200	HIRA	44	NS	2136.0E	2313.0	630.0D	27.0	13.0		WL
	245	LEAR	44	NS	2250.0E	2327.0	190.0D	160.0			QL=4 ST=2 TYP=1
	245	LEAR	8	S	0044.0E	0045.0	1.0D	140.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0044.0E	0045.0	1.0D	110.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0115.0	0117.1	3.0	14.2			
	200	HIRA	42	SER	0119.0	0204.3	96.0	130.0			WL
	245	LEAR	8	S	0147.0E	0147.0	U	55.0			QL=4 ST=2 TYP=3
	2840	PEKG	1	S	0148.0	0151.2	5.0	6.4			
	245	LEAR	8	S	0440.0E	0440.0	1.0D	61.0			QL=4 ST=2 TYP=3
	5900	KISV	2	S/F	0721.0	0721.9	3.7	9.0			
	5900	KISV	2	S/F	0804.3	0805.6	3.2	10.0			
	5900	KISV	45	C	0902.3	0903.2	7.5	5.0			
	5900	KISV	45	C	0902.3	0906.5		4.0			
	2850	CRIM	1	S	0916.2	0916.4	1.5	6.0	2.0		
	2950	GORK	1	S	0916.3	0916.4	3.2	5.0			
	3013	IZMI	5	S	0916.4	0916.5	3.0	12.0	4.0		
	430	KRAK	42	SER	0950.7E	0951.0	7.5D	140.0			
	810	KRAK	7	C	0950.7E	0956.7	7.5D	57.0	7.0		
	536	ONDR	41	F	1000.0	1035.8	47.5	14.0			
	260	ONDR	40	F	1000.0	1051.8	240.0	49.0			
	9300	KISV	1	S	1026.1	1026.4	0.6	4.0			
	204	IZMI	4	S/F	1034.0	1034.5	0.8	350.0			
	9500	POTS	26	FAL	1110.0	1129.5	45.0	11.0			
	536	ONDR	2	S/F	1214.2	1214.2	0.6	24.0			
	245	SGMR	8	S	1343.0E	1343.0	U	130.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	1343.0E	1343.0	U	110.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	1727.2	1728.8	5.3	8.6	3.7		
	9400	HUAN	1	S	1851.2	1853.0	5.0	12.1	5.4		
	245	SGMR	8	S	1856.0E	1856.0	U	58.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1923.0E	1923.0	U	62.0			QL=4 ST=3 TYP=3
	2800	OTTA	20	GRF	1956.8	1959.3	26.0	5.7	1.0		
	245	PALE	8	S	2004.0E	2004.0	1.0D	120.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2026.0E	2026.0	1.0D	73.0			QL=4 ST=2 TYP=3
	9400	HUAN	4	S/F	2054.6	2059.2	8.6	34.5	16.3		
	1415	PALE	8	S	2100.0E	2100.0	U	54.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	2100.0E	2100.0	U	50.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2110.0E	2110.0	U	130.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2134.0E	2134.0	U	160.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	2143.0E	2143.0	2.0D	200.0			QL=2 ST=2 TYP=3

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

FEBRUARY 1991

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	2155.0E	2155.0	1.0D	280.0			QL=2 ST=2 TYP=3
	200	HIRA	42	SER	2203.3	2217.6	48.0	240.0			ML
	2695	PENT	20	GRF	2216.0	2219.0	37.0	14.6	6.0		
	9400	HUAN	4	S/F	2216.3	2220.6	12.7	36.2	17.2		
	245	LEAR	8	S	2245.0E	2245.0	1.0D	50.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	2337.0	2407.3	38.0	85.0			ML
06	100	GORK	44	NS	0534.0E		417.0D		5.0		
	200	GORK	44	NS	0534.0E		417.0D		5.0		
	127	TORN	44	NS	0640.0E		500.0D		19.0		V=1,DISTURBED
	280	CUBA	44	NS	1310.0E		500.0D		34.0		
	235	CUBA	44	NS	1310.0E		500.0D		18.0		
	200	HIRA	44	NS	2134.0E	2346.0	630.0D	15.0	11.0		WR
	200	HIRA	42	SER	0111.9	0146.9	37.0	180.0			O
	410	LEAR	4	S/F	0126.0E	0127.0	3.0D	150.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0127.0E	0127.0	1.0D	260.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0138.0E	0138.0	1.0D	96.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0419.0	0421.6	12.0	21.3			
	410	LEAR	8	S	0420.0E	0420.0	2.0D	230.0			QL=4 ST=2 TYP=3
	500	HIRA	41	F	0421.2	0421.2	2.3	53.0			O
	9300	KISV	23	GRF	0605.5	0636.0	70.2	18.0			
	410	LEAR	4	S/F	0606.0E	0607.0	3.0D	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0606.0E	0606.0	1.0D	61.0			QL=4 ST=2 TYP=3
	5900	KISV	23	GRF	0606.0	0636.2	96.4	21.0			
	9100	GORK	46	C	0606.7	0607.8	8.3	20.0			
	9100	GORK	46	C	0606.7	0610.8		150.0			
	2840	PEKG	3	S	0607.0	0611.2	11.0	68.3			
	5900	KISV	2	S/F	0607.5	0607.8	2.2	11.0			
	9300	KISV	2	S/F	0607.5	0607.8	2.1	23.0			
	5900	KISV	4	S/F	0609.7	0611.0	4.7	138.0			
	245	LEAR	8	S	0610.0E	0610.0	1.0D	320.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0610.0E	0611.0	2.0D	68.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	0610.0E	0610.0	2.0D	110.0			QL=2 ST=2 TYP=3
	4995	LEAR	4	S/F	0610.0E	0611.0	3.0D	86.0			QL=2 ST=3 TYP=3
	15400	LEAR	8	S	0610.0E	0610.0	1.0D	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0610.0E	0610.0	1.0D	300.0			QL=4 ST=2 TYP=3
	9300	KISV	4	S/F	0610.1	0611.0U	5.8	118.0D			
	200	HIRA	8	S	0610.2	0610.2	0.7	4300.0			O
	200	GORK	41	F	0610.2	0645.9		3800.0			
	200	GORK	41	F	0610.2	0610.9	37.8	4400.0			
	2950	GORK	3	S	0610.5	0611.0	4.0	57.0			
	500	HIRA	46	C	0610.5	0611.0	6.0	54.0			O
	100	GORK	41	F	0610.5	0646.1		8500.0			
	100	GORK	41	F	0610.5	0610.9	45.8	25600.0			
	15000	KISV	4	S/F	0610.6	0611.0	1.5	68.0			
	100	HIRA	8	S	0610.6	0611.1	1.1	16000.0D			
	2850	CRIM	3	S	0610.7	0611.0	5.0	66.0	20.0		
	950	GORK	3	S	0610.7	0611.5	2.8	23.0			
	650	GORK	29	PBI	0610.7	0613.5	3.8	6.0			
	650	GORK	4	S/F	0610.7	0610.9	2.8	60.0			
	950	GORK	29	PBI	0613.5	0613.5	5.4	7.0			
	9100	GORK	23	GRF	0624.0	0809.0	279.0D	30.0			
	2840	PEKG	1	S	0626.0	0629.4	6.0	4.3			
	2840	PEKG	1	S	0634.0	0637.0	7.0	3.6			
	5900	KISV	29	PBI	0642.4	0649.5	15.0	61.0			
	5900	KISV	47	GB	0642.4	0646.7	7.1	510.0			
	2840	PEKG	3	S	0644.0	0646.5	20.0	354.8			
	9300	KISV	47	GB	0644.0	0646.6	5.8	498.0			
	100	HIRA	42	SER	0644.4	0646.1	11.0	5500.0			
	2950	GORK	29	PBI	0644.5	0651.0	39.0	16.0			
	2950	GORK	4	S/F	0644.5	0646.6	6.5	280.0			
	15000	KISV	47	GB	0644.7	0646.5	8.1	498.0			
	1415	LEAR	4	S/F	0645.0E	0646.0	9.0D	190.0			QL=4 ST=2 TYP=3
	8800	LEAR	4	S/F	0645.0E	0646.0	7.0D	340.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	0645.0E	0646.0	9.0D	350.0			QL=2 ST=2 TYP=3
	245	LEAR	4	S/F	0645.0E	0646.0	3.0D	390.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	0645.0E	0646.0	3.0D	500.0			QL=4 ST=2 TYP=3
	8800	SVTO	4	S/F	0645.0E	0646.0	3.0D	300.0			QL=2 ST=2 TYP=3
	15400	SVTO	4	S/F	0645.0E	0646.0	4.0D	380.0			QL=2 ST=2 TYP=3

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

FEBRUARY 1991

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
06	245	SVTO	4	S/F	0645.0E	0646.0	8.0D	380.0			QL=2 ST=2 TYP=3
	4995	SVTO	4	S/F	0645.0E	0646.0	1035.0D	350.0			QL=2 ST=1 TYP=3
	9100	GORK	4	S/F	0645.0	0646.5	4.5	430.0			
	127	TORN	4	S/F	0645.0	0646.6	3.0	6200.0D	430.0		
	200	HIRA	46	C	0645.2	0645.5	4.8	240.0			0
	40	POTS	42	SER	0645.3	0645.5U	11.2				
	500	HIRA	46	C	0645.5	0646.5	17.0	49.0	10.0		0
	113	POTS	42	SER	0645.5	0646.5	10.7	140.0			
	950	GORK	29	PBI	0645.8	0651.0	18.0	27.0			
	650	GORK	29	PBI	0645.8	0651.0	13.2	22.0			
	2850	CRIM	3	S	0645.8	0646.5	9.0	374.0	100.0		
	950	GORK	3	S	0645.8	0646.7	5.2	105.0			
	650	GORK	4	S/F	0645.8	0646.8	5.2	80.0			
	2850	CRIM	29	PBI	0645.8	0654.8	11.0	12.0	4.0		
	4995	LEAR	4	S/F	0646.0E	0646.0	7.0D	290.0			QL=2 ST=2 TYP=3
	610	LEAR	4	S/F	0646.0E	0646.0	6.0D	72.0			QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0646.0E	0646.0	4.0D	150.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	0646.0E	0646.0	4.0D	160.0			QL=2 ST=2 TYP=3
	2695	SVTO	4	S/F	0646.0E	0646.0	5.0D	290.0			QL=2 ST=2 TYP=3
	610	SVTO	4	S/F	0646.0E	0646.0	5.0D	76.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	0646.0E	0646.0	2.0D	330.0			QL=2 ST=2 TYP=3
	9300	KISV	29	PBI	0647.0	0649.8	15.8	35.0			
	1470	POTS	4	S/F	0741.3	0745.6	5.2	9.0			
	650	GORK	1	S	0742.6	0745.9	4.8	3.0			
	2840	PEKG	1	S	0743.0	0745.6	7.0	3.6			
	5900	KISV	45	C	0743.6	0745.6		17.0			
	5900	KISV	45	C	0743.6	0744.7	6.2	18.0			
	9100	GORK	2	S/F	0743.8	0744.7	4.7	20.0			
	9300	KISV	45	C	0743.9	0744.7	4.0	21.0			
	9300	KISV	45	C	0743.9	0745.7		15.0			
	9300	KISV	23	GRF	0743.9	0808.7	57.2	42.0			
	9500	POTS	4	S/F	0744.2	0744.7	3.4	18.0			
	950	GORK	1	S	0744.3	0746.0	2.7	3.0			
	2950	GORK	2	S/F	0744.4	0744.7	1.8	3.8			
	5900	KISV	45	C	0751.4	0752.7	8.9	12.0			
	5900	KISV	45	C	0751.4	0756.7		10.0			
	2950	GORK	21	GRF	0751.7	0809.8	157.0	23.0			
	2850	CRIM	20	GRF	0756.0	0808.0	79.0	28.0	9.0		
	5900	KISV	45	C	0802.0	0806.5		39.0			
	5900	KISV	45	C	0802.0	0807.7	17.3	39.0			
	9500	POTS	4	S/F	0804.4	0807.6	5.0	25.0			
	3000	POTS	4	S/F	0804.5	0807.6	10.7	18.0			
	9100	GORK	2	S/F	0805.7	0807.8	3.3	15.0			
	2950	GORK	2	S/F	0805.8	0806.6	3.1	9.0			
	245	LEAR	8	S	0821.0E	0821.0	1.0D	86.0			QL=4 ST=2 TYP=3
	650	GORK	1	S	0827.0	0827.0	0.4	5.0			
	950	GORK	1	S	0827.0	0827.0	0.3	2.0			
	5900	KISV	2	S/F	0829.7	0833.0	6.0	8.0			
	9300	KISV	2	S/F	0830.7	0832.6	4.5	8.0			
	9300	KISV	23	GRF	0901.4	0932.9	61.6	9.0			
	3013	IZMI	5	S	0903.5	0907.0	5.0	16.0	10.0		
	650	GORK	21	GRF	0913.3	0915.8	27.0	3.0			
	5900	KISV	23	GRF	0913.7	0925.8	54.0	5.0			
	9300	KISV	2	S/F	0914.3	0915.5	5.4	14.0			
	9100	GORK	2	S/F	0914.5	0915.7	5.0	15.0			
	2850	CRIM	1	S	0914.8	0916.6	3.0	4.0	1.0		
	950	GORK	21	GRF	0915.0	0915.7	25.0	3.0			
	3013	IZMI	2	S/F	0915.3	0915.6	5.0	5.0			
	5900	KISV	45	C	0932.1	0937.5	9.1	67.0			
	5900	KISV	45	C	0932.1	0936.6		43.0			
	9300	KISV	45	C	0935.7	0937.5	7.1	76.0			
	9300	KISV	45	C	0935.7	0936.6		60.0			
	9100	GORK	2	S/F	0935.8	0937.5	3.8	70.0			
	15000	KISV	45	C	0935.8	0937.5	7.0	29.0			
	200	GORK	4	S/F	0935.8	0937.6	3.6	25.0D			
	15000	KISV	45	C	0935.8	0936.6		27.0			
	3013	IZMI	7	C	0935.8	0936.7	6.0	9.0	5.0		
	410	LEAR	8	S	0936.0E	0937.0	1.0D	190.0			QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0936.0E	0937.0	2.0D	63.0			QL=4 ST=2 TYP=3

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

FEBRUARY 1991

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
06	4995	SVTO	8	S	0936.0E	0937.0	2.0D	42.0			QL=4 ST=2 TYP=3
	2850	CRIM	7	C	0936.0	0937.3		11.0			
	2850	CRIM	7	C	0936.0	0936.5	3.0	11.0	4.0		
	100	GORK	4	S/F	0936.0	0936.6	2.2	130.0			
	2950	GORK	45	C	0936.3	0937.5		9.5			
	2950	GORK	45	C	0936.3	0936.6	1.9	9.0			
	3000	POTS	4	S/F	0936.4	0936.6	2.1	12.0			
	1470	POTS	4	S/F	0936.4	0937.6	3.1	9.0			
	9500	POTS	4	S/F	0936.5	0937.5	3.8	58.0			
	950	GORK	45	C	0936.5	0937.7		6.0			
	950	GORK	45	C	0936.5	0936.8	2.0	3.0			
	650	GORK	45	C	0936.6	0936.7	1.9	8.0			
	650	GORK	45	C	0936.6	0937.9		3.0			
	430	KRAK	8	S	0936.8	0937.2	0.4	60.0			
	410	SVTO	49	GB	0937.0E	0937.0	U	750.0			QL=4 ST=2 TYP=6
	15400	SVTO	8	S	0937.0E	0937.0	U	29.0			QL=4 ST=2 TYP=3
	5900	KISV	2	S/F	0955.5	0957.7	6.1	8.0			
	245	SVTO	8	S	1000.0E	1000.0	U	100.0			QL=4 ST=2 TYP=3
	260	ONDR	40	F	1000.0	1112.5	170.0	101.0			
	245	LEAR	8	S	1031.0E	1031.0	U	180.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1031.0E	1031.0	U	160.0			QL=4 ST=2 TYP=3
	204	IZMI	4	S/F	1031.0	1031.3	0.4	320.0			
	245	SVTO	8	S	1111.0E	1111.0	1.0D	98.0			QL=4 ST=2 TYP=3
	204	IZMI	5	S	1112.0	1112.3	0.5	750.0	650.0		
	15000	KISV	22	GRF	1125.6	1127.9	16.8	13.0			
	9300	KISV	42	SER	1125.8	1132.9		16.0			
	9300	KISV	42	SER	1125.8	1127.9	10.2	28.0			
	5900	KISV	42	SER	1125.9	1133.0		16.0			
	5900	KISV	42	SER	1125.9	1128.6	10.3	18.0			
	9100	GORK	2	S/F	1126.5	1128.0	4.4	25.0			
	2950	GORK	1	S	1126.5	1128.5	4.8	6.3			
	1470	POTS	2	S/F	1126.6	1127.5	4.4	4.0			
	9500	POTS	42	SER	1126.8	1128.0	7.6	21.0			
	204	IZMI	41	F	1127.0	1127.4	1.0	60.0			
	2950	GORK	1	S	1132.5	1133.6	1.9	4.4			
	9100	GORK	2	S/F	1132.5	1132.9	1.9	15.0			
	9400	HUAN	20	GRF	1242.0	1310.5	61.3	8.4	3.6		
	234	POTS	4	S/F	1243.9	1244.3	0.7	1600.0			
	245	SGMR	49	GB	1244.0E	1244.0	U	1500.0			QL=2 ST=2 TYP=6
	245	SVTO	49	GB	1244.0E	1244.0	U	1500.0			QL=4 ST=2 TYP=6
	610	SGMR	8	S	1245.0E	1245.0	U	310.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	1245.0E	1245.0	U	490.0			QL=4 ST=3 TYP=3
	600	HUMN	8	S	1245.0	1245.1	0.2	45.0	20.0		
	536	ONDR	8	S	1254.3	1254.5	0.9	216.0			
	6700	CUBA	21	GRF	1446.0	1510.0	80.0	5.0	2.0		
	9500	CUBA	45	C	1446.0	1502.3	25.0	172.0			
	9400	HUAN	45	C	1457.3	1501.9	11.7	219.0	101.4		
	2800	OTTA	28	PRE	1457.5	1458.4	2.3	11.1	3.0		
	6700	CUBA	46	C	1459.5	1502.4	8.5	138.0			
	2695	SGMR	4	S/F	1501.0E	1502.0	3.0D	180.0			QL=4 ST=2 TYP=3
	410	SGMR	49	GB	1501.0E	1502.0	1.0D	790.0			QL=4 ST=2 TYP=6
	8800	SGMR	8	S	1501.0E	1502.0	2.0D	190.0			QL=4 ST=2 TYP=3
	610	SGMR	49	GB	1501.0E	1501.0	2.0D	1800.0			QL=4 ST=2 TYP=6
	15400	SGMR	8	S	1501.0E	1502.0	2.0D	170.0			QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	1501.0E	1502.0	5.0D	170.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1501.0E	1502.0	3.0D	180.0			QL=2 ST=2 TYP=3
	410	SVTO	8	S	1501.0E	1501.0	1.0D	250.0			QL=2 ST=2 TYP=3
	1415	SVTO	4	S/F	1501.0E	1501.0	3.0D	190.0			QL=2 ST=2 TYP=3
	245	SVTO	49	GB	1501.0E	1502.0	1.0D	760.0			QL=2 ST=2 TYP=6
	4995	SVTO	4	S/F	1501.0E	1502.0	5.0D	170.0			QL=2 ST=2 TYP=3
	610	SVTO	49	GB	1501.0E	1501.0	2.0D	1800.0			QL=2 ST=2 TYP=6
	8800	SVTO	8	S	1501.0E	1502.0	2.0D	170.0			QL=2 ST=2 TYP=3
	15400	SVTO	8	S	1501.0E	1502.0	1.0D	150.0			QL=2 ST=2 TYP=3
	15000	CUBA	4	S/F	1501.0	1502.2	2.0	181.0			65L
	2800	OTTA	4	S/F	1501.2	1502.6	14.8	191.7	38.0		
	600	HUMN	2	S/F	1501.7	1502.1	4.7	483.0	36.0		
	15000	CUBA	29	PBI	1503.0		11.0	20.0	10.0		00L
	9400	HUAN	30	PBI	1509.0	1509.0	58.6	9.3	4.8		
	9400	HUAN	2	S/F	1534.7	1536.4	7.3	23.6	9.6		

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
06	15000	CUBA	1	S	1535.0	1538.0	7.0	10.0	5.0		59L
	9500	CUBA	21	GRF	1535.0	1538.0	13.0	13.0	6.0		
	6700	CUBA	1	S	1535.0	1536.9	3.6	13.0	6.0		
	6700	CUBA	1	S	1535.2	1536.8	2.2	11.0	5.0		
	9500	CUBA	1	S	1536.3	1536.5	1.6	5.0	2.0		
	9400	HUAN	1	S	1651.3	1656.0	7.5	3.4	1.4		
	9400	HUAN	3	S	1831.4	1835.0	7.9	143.2	66.8		
	8800	PALE	8	S	1834.0E	1835.0	1.0D	90.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	1834.0E	1835.0	1.0D	55.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	1834.0E	1835.0	1.0D	69.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1834.0E	1835.0	2.0D	67.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1834.0E	1835.0	1.0D	79.0			QL=2 ST=2 TYP=3
	8800	SGMR	4	S/F	1834.0E	1835.0	4.0D	120.0			QL=4 ST=2 TYP=3
	6700	CUBA	45	C	1834.1	1835.3	4.9	69.0	25.0		
	2800	OTTA	3	S	1834.1	1835.4	3.1	29.0	9.0		
	9500	CUBA	4	S/F	1834.2	1835.2	2.8	86.0	38.0		
	15000	CUBA	2	S/F	1834.3	1835.2	4.2	78.0	39.0		16L
	9500	CUBA	30	PBI	1837.0		10.5	10.0	5.0		
	2800	OTTA	29	PBI	1837.2	1837.2	18.8	6.8	3.0		
	2800	OTTA	3	S	1837.6	1838.2	2.3	4.7	1.0		
	6700	CUBA	30	PBI	1839.0		15.5	15.0	7.0		
	9400	HUAN	30	PBI	1839.3	1839.3	52.7	20.2	8.4		
	9400	HUAN	1	S	1843.1	1844.4	3.5	18.5	6.6		
	6700	CUBA	2	S/F	1843.5	1844.4	2.4	17.0	8.0		
	9500	CUBA	2	S/F	1843.8	1844.2	2.2	17.0	8.0		
	2800	OTTA	3	S	1843.9	1844.7	6.1	23.9	5.0		
	9400	HUAN	21	GRF	1952.2	2031.3	66.3	13.5	5.8		
	6700	CUBA	46	C	2013.5	2017.5	11.5	60.0	19.0		
	9400	HUAN	4	S/F	2014.3	2017.2		76.7			
	9400	HUAN	4	S/F	2014.3	2016.3	10.5	75.8	32.6		
	4995	PALE	4	S/F	2015.0E	2017.0	4.0D	64.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	2015.0E	2017.0	4.0D	65.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	2015.5	2017.5	5.5	33.0	16.0		
	2800	OTTA	3	S	2015.6	2017.7	5.5	13.6	3.0		
	610	PALE	8	S	2017.0E	2017.0	1.0D	58.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2017.0E	2017.0	U	78.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	2117.4	2122.8	11.4	15.2	7.6		
	2800	OTTA	4	S/F	2122.3	2122.7	1.8	32.4	6.0		
	9400	HUAN	20	GRF	2148.0	2200.0	31.7	13.5	6.4		
07	200	GORK	44	NS	0528.0E		422.0D		5.0		
	204	IZMI	43	NS	0700.0		300.0	20.0			
	235	CUBA	44	NS	1316.0E		494.0D		15.0		
	280	CUBA	44	NS	1316.0E		494.0D		27.0		
	245	LEAR	8	S	0050.0E	0050.0	U	52.0			QL=4 ST=2 TYP=3
	2840	PEKG	5	S	0243.0	0249.1	11.0	7.3			
	2840	PEKG	3	S	0454.0	0456.4	20.0	71.1			
	4995	LEAR	8	S	0455.0E	0456.0	1.0D	75.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0455.0E	0456.0	1.0D	49.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0455.0E	0456.0	2.0D	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0455.0E	0456.0	2.0D	96.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	0455.0E	0456.0	2.0D	69.0			QL=2 ST=2 TYP=3
	9100	GORK	45	C	0609.4	0613.1		15.0			
	9100	GORK	45	C	0609.4	0610.5	9.6	15.0			
	9300	KISV	22	GRF	0609.4	0610.5	10.6	18.0			
	5900	KISV	22	GRF	0609.7	0610.5	13.4	18.0			
	950	GORK	20	GRF	0625.5	0632.5	15.1	5.0			
	650	GORK	20	GRF	0625.5	0632.5	12.7	4.0			
	2840	PEKG	3	S	0628.0	0632.6	10.0	14.0			
	9100	GORK	2	S/F	0628.3	0632.0	9.0	10.0			
	2850	CRIM	1	S	0631.0	0632.2	3.0	10.0	3.0		
	5900	KISV	2	S/F	0631.0	0632.2	6.1	13.0			
	9300	KISV	2	S/F	0631.1	0632.5	4.0	11.0			
	2950	GORK	2	S/F	0631.3	0632.3	3.6	13.0			
	9300	KISV	23	GRF	0749.0	0751.2	15.5	8.0			
	5900	KISV	23	GRF	0749.7	0751.2	16.6	7.0			
	9100	GORK	2	S/F	0754.5	0755.9	2.0	15.0			
	5900	KISV	2	S/F	0754.6	0756.0	5.4	26.0			
	9300	KISV	2	S/F	0754.6	0756.0	5.4	25.0			

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

FEBRUARY 1991

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	2850	CRIM	1	S	0754.9	0756.1	4.0	6.0	2.0		
	15000	KISV	2	S/F	0754.9	0755.9	3.4	9.0			
	2950	GORK	2	S/F	0755.0	0756.1	4.1	6.3			
	9500	POTS	4	S/F	0755.0	0755.8	1.6	17.0			
	5900	KISV	21	GRF	0846.7	0855.5	16.7	27.0			
	9300	KISV	45	C	0847.5	0855.5	15.7	24.0			
	9100	GORK	21	GRF	0847.7	1017.7	206.1U	20.0			
	9100	GORK	45	C	0849.5	0855.5		15.0			
	9100	GORK	45	C	0849.5	0850.6	11.8	15.0			
	9300	KISV	23	GRF	0914.1	0948.8	41.0	8.0			
	2950	GORK	21	GRF	0914.3	0949.0	100.4	7.5			
	5900	KISV	23	GRF	0914.3	0931.6	28.8	7.0			
	610	LEAR	8	S	0917.0E	0917.0	U	140.0			QL=4 ST=2 TYP=3
	950	GORK	2	S/F	0917.6	0918.2	1.0	6.0			
	650	GORK	4	S/F	0917.6	0917.6	0.3	30.0			
	9500	POTS	4	S/F	0928.0	0929.5	3.0	32.0			
	9100	GORK	2	S/F	0928.3	0929.5	2.3	30.0			
	9300	KISV	4	S/F	0928.6	0929.2	1.7	30.0			
	15000	KISV	2	S/F	0928.7	0929.6	2.0	14.0			
	5900	KISV	2	S/F	0928.9	0929.6	1.7	11.0			
	2950	GORK	1	S	0938.3	0938.7	1.9	11.3			
	5900	KISV	4	S/F	0938.3	0938.7	2.6	23.0			
	9300	KISV	2	S/F	0938.3	0938.7	3.0	18.0			
	2850	CRIM	1	S	0938.3	0938.9	4.0	13.0	4.0		
	9100	GORK	1	S	0938.4	0938.7	1.6	10.0			
	9500	POTS	4	S/F	0938.4	0938.7	1.6	13.0			
	3000	POTS	4	S/F	0938.4	0938.8	1.6	13.0			
	5900	KISV	2	S/F	0947.9	0948.9	1.6	3.0			
	260	ONDR	40	F	1000.0	1157.1	140.0	24.0			
	5900	KISV	2	S/F	1105.2	1107.3	5.8	9.0			
	536	ONDR	42	SER	1106.0	1107.0	2.0	23.0			
	3013	IZMI	2	S/F	1106.0	1107.4	3.0	4.0			
	650	GORK	2	S/F	1106.2	1107.3	2.1	3.0			
	9300	KISV	2	S/F	1106.2	1107.3	1.7	6.0			
	9500	POTS	4	S/F	1106.2	1107.5	1.3	7.0			
	2950	GORK	1	S	1106.3	1107.3	1.7	5.7			
	950	GORK	1	S	1106.4	1107.4	1.9	3.0			
	8800	SGMR	49	GB	1110.0E	1510.0	770.0D	610.0			QL=2 ST=1 TYP=6
	9300	KISV	2	S/F	1121.8	1123.0	3.9	5.0			
	245	SVTO	49	GB	1136.0E	1136.0	1.0D	840.0			QL=2 ST=2 TYP=6
	536	ONDR	48	C	1221.2	1222.0	2.0	227.0			
	9400	HUAN	20	GRF	1241.3	1309.2	54.7	14.2	6.7		
	536	ONDR	8	S	1248.7	1248.8	0.5	13.0			
	9500	POTS	2	S/F	1308.6	1309.3	1.4	9.0			
	9400	HUAN	21	GRF	1357.8	1522.5	118.6	25.3	12.6		
	9400	HUAN	1	S	1411.0	1412.7	3.6	11.0	4.6		
	1470	POTS	3	S	1411.8	1412.7	3.2	9.0			
	9500	POTS	2	S/F	1412.0	1412.8	2.0	9.0			
	9400	HUAN	1	S	1421.6	1424.3	4.5	14.2	6.2		
	9500	POTS	2	S/F	1423.8	1424.3	1.2	9.0			
	600	HUMN	1	S	1430.0	1430.2	0.6	22.0	8.0		
	9400	HUAN	2	S/F	1430.1	1431.5	3.1	9.5	3.8		
	1470	POTS	4	S/F	1430.5	1431.8	4.9	12.0			
	9500	POTS	4	S/F	1430.8	1431.5	3.6	15.0			
	2800	OTTA	3	S	1431.0	1431.5	3.6	17.5	3.0		
	9500	CUBA	28	PRE	1451.2	1459.0	7.9	17.0	8.0		
	2800	OTTA	3	S	1456.0	1502.3	9.2	112.9	23.0		
	9400	HUAN	47	GB	1457.8	1511.7U	23.7	738.9	268.9		
	4995	SGMR	4	S/F	1458.0E	1501.0	542.0D	260.0			QL=4 ST=1 TYP=3
	9500	CUBA	47	GB	1459.0	1502.0		436.0			
	8800	SVTO	4	S/F	1459.0E	1501.0	8.0D	410.0			QL=2 ST=2 TYP=3
	4995	SVTO	4	S/F	1459.0E	1501.0	10.0D	310.0			QL=2 ST=2 TYP=3
	9500	CUBA	47	GB	1459.0	1512.0	32.5	713.0			
	2695	SVTO	4	S/F	1500.0E	1502.0	8.0D	110.0			QL=4 ST=2 TYP=3
	15400	SVTO	4	S/F	1500.0E	1501.0	8.0D	180.0			QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	1500.0E	1511.0	540.0D	3.0			QL=4 ST=1 TYP=3
	600	HUMN	2	S/F	1501.0	1502.0	4.0	18.0	9.0		
	245	SVTO	49	GB	1501.0E	1501.0	1.0D	1700.0			QL=4 ST=2 TYP=6
	1415	SGMR	4	S/F	1501.0E	1502.0	539.0D	35.0			QL=4 ST=1 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	245	SGMR	49	GB	1501.0E	1501.0	539.0D	1500.0			QL=4 ST=1 TYP=6
	410	SGMR	4	S/F	1502.0E	1502.0	538.0D	130.0			QL=4 ST=1 TYP=3
	2800	OTTA	29	PBI	1505.3	1505.3	24.7	13.6	6.0		
	8800	SVTO	49	GB	1508.0E	1511.0	8.0D	620.0			QL=2 ST=3 TYP=6
	4995	SVTO	4	S/F	1508.0E	1511.0	9.0D	340.0			QL=2 ST=3 TYP=3
	2800	OTTA	3	S	1508.6	1512.3	15.3	29.1	6.0		
	15400	SVTO	4	S/F	1509.0E	1511.0	8.0D	380.0			QL=2 ST=3 TYP=3
	8800	SVTO	49	GB	1510.0E	1511.0	6.0D	620.0			QL=2 ST=2 TYP=6
	4995	SVTO	4	S/F	1510.0E	1511.0	7.0D	340.0			QL=2 ST=2 TYP=3
	15400	SVTO	4	S/F	1510.0E	1511.0	7.0D	380.0			QL=2 ST=2 TYP=3
	15400	SGMR	4	S/F	1510.0E	1511.0	530.0D	380.0			QL=2 ST=1 TYP=3
	1415	SVTO	4	S/F	1511.0E	1513.0	529.0D	26.0			QL=4 ST=1 TYP=3
	9500	CUBA	29	PBI	1521.5		61.7	47.0	23.0		
	9400	HUAN	1	S	1621.7	1623.0	3.4	6.3	2.8		
	6700	CUBA	21	GRF	1622.0	1628.0	23.0	5.0	2.0		00L
	9400	HUAN	2	S/F	1627.6	1630.5	7.1	17.4	6.8		
	245	SGMR	8	S	1628.0E	1628.0	1.0D	4.0			QL=2 ST=2 TYP=3
	2800	OTTA	3	S	1628.5	1630.8	6.6	17.8	4.0		
	9500	CUBA	1	S	1629.9	1630.5	5.1	17.0	8.0		
	6700	CUBA	1	S	1630.8	1631.5	2.2	21.0	10.0		28L
	6700	CUBA	28	PRE	1700.0	1706.0	6.0	9.0	4.0		00L
	9400	HUAN	45	C	1704.6	1709.8	12.9	247.9	102.6		
	15400	SGMR	4	S/F	1705.0E	1709.0	8.0D	280.0			QL=4 ST=2 TYP=3
	15000	CUBA	46	C	1705.2	1709.9	7.8	262.0	94.0		POL OFF
	6700	CUBA	46	C	1706.0	1710.2	7.0	181.0	78.0		15R
	9500	CUBA	46	C	1706.2	1709.9	6.8	223.0	94.0		
	2800	OTTA	4	S/F	1706.3	1709.9	13.5	185.7	55.0		
	15000	CUBA	30	PBI	1713.0		34.8	36.0	18.0		POL OFF
	9500	CUBA	30	PBI	1713.0		47.0	21.0	10.0		
	6700	CUBA	30	PBI	1713.0		59.0	24.0	12.0		00L
	2800	OTTA	3	S	1716.0	1716.4	2.4	34.5	7.0		
	6700	CUBA	2	S/F	1716.1	1716.4	1.7	35.0	17.0		22R
	9500	CUBA	1	S	1716.3	1716.4	2.6	35.0	17.0		
	9400	HUAN	30	PBI	1717.5	1717.5	95.8	25.3	14.1		
	6700	CUBA	1	S	1722.0	1723.0	6.0	5.0	2.0		00L
	9400	HUAN	3	S	1739.7	1741.0	3.9	25.3	12.2		
	245	PALE	8	S	1740.0E	1740.0	U	120.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1740.0E	1740.0	1.0D	210.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1740.0E	1740.0	U	97.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1740.0E	1740.0	1.0D	130.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1740.0	1740.8	1.0	20.0	10.0		18R
	2800	OTTA	3	S	1740.4	1740.9	3.4	19.8	4.0		
	9500	CUBA	1	S	1740.9	1741.0	1.1	18.0	9.0		
	2800	OTTA	3	S	1801.6	1801.9	2.3	11.3	3.0		
	9500	CUBA	2	S/F	1841.2	1842.5	3.8	22.0	11.0		
	9400	HUAN	4	S/F	1841.3	1842.3	4.2	28.4	14.6		
	6700	CUBA	2	S/F	1841.5	1842.5	3.5	23.0	11.0		4R
	610	SGMR	8	S	1842.0E	1842.0	1.0D	170.0			QL=4 ST=3 TYP=3
	15000	CUBA	1	S	1842.1	1842.5	1.2	13.0	6.0		POL OFF
	2800	OTTA	3	S	1842.1	1842.6	3.7	16.3	3.0		
	245	PALE	8	S	1932.0E	1932.0	1.0D	90.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1937.0E	1937.0	U	120.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	1940.6	1942.4	5.4	7.9	2.9		
	410	SGMR	8	S	1945.0E	1946.0	2.0D	250.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	1946.0E	1946.0	U	160.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2003.0E	2003.0	1.0D	230.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2003.0E	2003.0	1.0D	410.0			QL=4 ST=2 TYP=3
	9500	CUBA	28	PRE	2110.0	2119.0	9.0	15.0	7.0		
	6700	CUBA	28	PRE	2110.5	2119.0	8.5	20.0	10.0		00L
	1415	SGMR	49	GB	2111.0E	2123.0	19.0D	4100.0			QL=4 ST=3 TYP=7
	15000	CUBA	28	PRE	2111.4	2120.2	8.8	31.0	15.0		POL OFF
	1415	PALE	49	GB	2112.0E	2123.0	22.0D	4000.0			QL=4 ST=2 TYP=7
	4995	PALE	49	GB	2118.0E	2122.0	17.0D	2900.0			QL=4 ST=2 TYP=7
	9400	HUAN	45	C	2118.0	2123.6U	19.3	265.2	98.4		
	2800	OTTA	47	GB	2118.2	2122.1	12.3	1980.0	396.0		
	410	PALE	49	GB	2119.0E	2122.0	4.0D	820.0			QL=4 ST=2 TYP=7
	610	PALE	49	GB	2119.0E	2119.0	6.0D	3900.0			QL=4 ST=2 TYP=7
	4995	SGMR	49	GB	2119.0E	2122.0	7.0D	2800.0			QL=4 ST=3 TYP=6
	610	SGMR	49	GB	2119.0E	2119.0	3.0D	3200.0			QL=4 ST=3 TYP=6

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	6700	CUBA	47	GB	2119.0	2122.0	16.0	776.0			SR
	8800	PALE	49	GB	2119.0E	2122.0	10.0D	2100.0			QL=2 ST=2 TYP=7
	15400	PALE	49	GB	2119.0E	2122.0	11.0D	1400.0			QL=4 ST=2 TYP=7
	2695	PALE	49	GB	2119.0E	2122.0	20.0D	1900.0			QL=4 ST=2 TYP=7
	9500	CUBA	47	GB	2119.0	2122.2	8.0	2733.0			
	245	PALE	49	GB	2120.0E	2120.0	3.0D	38000.0			QL=4 ST=2 TYP=7
	410	SGMR	49	GB	2120.0E	2120.0	3.0D	780.0			QL=4 ST=3 TYP=6
	245	SGMR	49	GB	2120.0E	2120.0	3.0D	27000.0			QL=4 ST=3 TYP=6
	2695	SGMR	49	GB	2120.0E	2122.0	7.0D	2000.0			QL=4 ST=3 TYP=6
	8800	SGMR	49	GB	2120.0E	2122.0	9.0D	2900.0			QL=4 ST=3 TYP=6
	15000	CUBA	47	GB	2120.2	2122.0U	10.2	679.0D			POL OFF
	15400	SGMR	8	S	2121.0E	2121.0	1.0D	100.0			QL=4 ST=3 TYP=3
	610	SGMR	49	GB	2121.0E	2121.0	1.0D	1400.0			QL=2 ST=2 TYP=6
	9500	CUBA	29	PBI	2127.0		10.0	30.0	15.0		
	15000	CUBA	29	PBI	2130.0		11.0	19.0	9.0		POL OFF
	2800	OTTA	29	PBI	2130.5	2130.5	140.0	45.5	22.0		
	1415	SGMR	8	S	2132.0E	2132.0	U	100.0			QL=2 ST=2 TYP=3
	6700	CUBA	29	PBI	2135.0		82.0D	14.0			13R SUNSET
	245	PALE	8	S	2243.0E	2243.0	U	56.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2349.0E	2349.0	2.0D	200.0			QL=2 ST=2 TYP=3
	410	PALE	49	GB	2350.0E	2350.0	1.0D	690.0			QL=4 ST=2 TYP=6
08	200	GORK	43	NS	0532.2		417.0D		5.0		
	127	TORN	44	NS	0640.0E		100.0D		25.0		V=1
	204	IZMI	43	NS	0700.0		120.0	10.0			
	410	SVTO	44	NS	0825.0E	0836.0	34.0D	280.0			QL=4 ST=2 TYP=1
	280	CUBA	44	NS	1329.0E		481.0D		27.0		
	235	CUBA	44	NS	1329.0E		481.0D		16.0		
	1415	LEAR	8	S	0014.0E	0014.0	U	130.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	0014.0E	0014.0	U	28.0			QL=4 ST=2 TYP=3
	1415	PALE	8	S	0014.0E	0014.0	U	130.0			QL=4 ST=2 TYP=3
	500	HIRA	46	C	0014.0	0014.0	16.0	11.0	3.0		O
	500	HIRA	46	C	0014.0	0021.7		4.0			O
	245	PALE	4	S/F	0015.0E	0016.0	3.0D	170.0			QL=4 ST=2 TYP=3
	200	HIRA	8	S	0017.2	0017.2	0.5	56.0			O
	2840	PEKG	45	C	0236.0	0248.1	22.0	184.4			
	200	HIRA	42	SER	0240.2	0246.9	8.6	630.0			O
	245	LEAR	8	S	0241.0E	0241.0	1.0D	370.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0241.0E	0241.0	1.0D	160.0			QL=2 ST=2 TYP=3
	2695	LEAR	8	S	0241.0E	0241.0	1.0D	28.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0241.0E	0241.0	2.0D	480.0			QL=4 ST=3 TYP=3
	410	PALE	49	GB	0241.0E	0241.0	2.0D	540.0			QL=4 ST=3 TYP=6
	15400	LEAR	8	S	0247.0E	0248.0	1.0D	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0247.0E	0248.0	2.0D	120.0			QL=2 ST=2 TYP=3
	4995	LEAR	8	S	0247.0E	0248.0	2.0D	180.0			QL=2 ST=2 TYP=3
	1415	LEAR	8	S	0247.0E	0248.0	2.0D	71.0			QL=4 ST=2 TYP=3
	2695	LEAR	4	S/F	0247.0E	0248.0	3.0D	180.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0247.0E	0247.0	1.0D	220.0			QL=2 ST=3 TYP=3
	245	LEAR	8	S	0247.0E	0247.0	1.0D	230.0			QL=2 ST=3 TYP=3
	610	LEAR	8	S	0247.0E	0247.0	U	130.0			QL=2 ST=3 TYP=3
	1415	PALE	8	S	0247.0E	0248.0	2.0D	60.0			QL=4 ST=3 TYP=3
	2695	PALE	8	S	0247.0E	0248.0	2.0D	130.0			QL=4 ST=3 TYP=3
	410	PALE	8	S	0247.0E	0247.0	1.0D	300.0			QL=4 ST=3 TYP=3
	245	PALE	8	S	0247.0E	0247.0	U	240.0			QL=4 ST=3 TYP=3
	8800	PALE	8	S	0247.0E	0248.0	2.0D	110.0			QL=4 ST=3 TYP=3
	4995	PALE	8	S	0247.0E	0248.0	2.0D	190.0			QL=4 ST=3 TYP=3
	500	HIRA	46	C	0247.0	0247.5	4.5	95.0			O
	15400	PALE	8	S	0248.0E	0248.0	U	28.0			QL=4 ST=3 TYP=3
	410	LEAR	8	S	0514.0E	0515.0	1.0D	150.0			QL=2 ST=2 TYP=3
	100	HIRA	24	R	0540.0	0732.0U	125.0D	80.0U	24.0U		SUNSET
	650	GORK	21	GRF	0613.3	0726.8	105.0U	7.0			
	950	GORK	21	GRF	0615.6	0736.0	104.9U	18.0			
	9300	KISV	47	GB	0617.7	0643.0	102.3	267.0			
	9300	KISV	30	PBI	0617.7	0800.0	234.0	92.0			
	9100	GORK	23	GRF	0624.0	0755.6	327.0	65.0			
	5900	KISV	47	GB	0625.5	0643.0	94.5	356.0			
	5900	KISV	29	PBI	0625.5	0800.0	254.0	93.0			
	2950	GORK	23	GRF	0638.3	0743.2	352.0D	200.0			
	2840	PEKG	28	PRE	0640.0	0657.0	25.0	66.4			

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

FEBRUARY 1991

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
08	2850	CRIM	45	C	0641.0	0715.0		63.0			
	2850	CRIM	45	C	0641.0	0743.0		257.0			
	2850	CRIM	45	C	0641.0	0656.0	89.0	32.0			
	2850	CRIM	29	PBI	0641.0	0810.0	200.0	44.0			
	2850	CRIM	45	C	0641.0	0728.8		93.0			
	15000	KISV	21	GRF	0642.0	0643.1	156.2	58.0			
	200	HIRA	24	R	0646.0	0743.0U	73.0D	75.0U	18.0U		O SUNSET
	410	LEAR	8	S	0649.0E	0649.0	U	77.0			QL=2 ST=2 TYP=3
┌	2950	GORK	2	S/F	0654.3	0655.9	3.7	13.6			
│	950	GORK	46	C	0654.4	0701.0		15.0			
├	950	GORK	46	C	0654.4	0655.1	7.6	1.9			
└	950	GORK	46	C	0654.4	0657.1		20.0			
	2840	PEKG	45	C	0705.0	0743.5	59.0	261.1			
	950	GORK	46	C	0705.8	0707.1	6.5	23.0			
	950	GORK	46	C	0705.8	0711.4		10.0			
	9100	GORK	46	C	0707.2	0746.0		160.0			
	9100	GORK	46	C	0707.2	0727.0		30.0			
	9100	GORK	46	C	0707.2	0740.5		135.0			
	9100	GORK	46	C	0707.2	0713.8	48.4	17.0			
	4995	LEAR	4	S/F	0708.0E	0743.0	55.0D	230.0			QL=2 ST=2 TYP=5
	2950	GORK	2	S/F	0723.3	0729.0	8.5	29.0			
┌	500	HIRA	46	C	0725.0U	0748.0	30.0U	550.0U	103.0U		O SUNSET
├	610	LEAR	4	S/F	0726.0E	0746.0	24.0D	230.0			QL=2 ST=2 TYP=5
├	650	GORK	46	C	0726.8	0740.3	27.2	130.0			
├	600	HUMN	40	F	0726.8	0747.4	41.6	123.0	21.0		
├	650	GORK	46	C	0726.8	0746.4U		145.0D			
├	1470	POTS	4	S/F	0731.0E	0742.2	39.0D	97.0			
├	3000	POTS	4	S/F	0732.0E	0740.4U	38.0D	173.0			
├	9500	POTS	4	S/F	0732.5E	0741.2	38.0D	101.0			
├	950	GORK	23	GRF	0736.0	0745.0	14.3	23.0			
├	245	LEAR	20	GRF	0737.0E	0743.0	12.0D	60.0			QL=2 ST=2 TYP=2
├	410	SVTO	4	S/F	0737.0E	0748.0	16.0D	430.0			QL=4 ST=2 TYP=5
├	2695	SVTO	20	GRF	0737.0E	0743.0	17.0D	200.0			QL=4 ST=2 TYP=2
├	8800	SVTO	20	GRF	0737.0E	0743.0	14.0D	130.0			QL=2 ST=2 TYP=2
├	1415	SVTO	20	GRF	0737.0E	0745.0	14.0D	100.0			QL=4 ST=2 TYP=2
├	4995	SVTO	20	GRF	0737.0E	0743.0	15.0D	210.0			QL=2 ST=2 TYP=2
├	610	SVTO	20	GRF	0737.0E	0746.0	13.0D	230.0			QL=4 ST=2 TYP=2
├	410	LEAR	4	S/F	0738.0E	0748.0	16.0D	470.0			QL=2 ST=2 TYP=5
├	1415	LEAR	20	GRF	0738.0E	0745.0	14.0D	110.0			QL=4 ST=2 TYP=2
├	2695	LEAR	4	S/F	0739.0E	0743.0	24.0D	260.0			QL=2 ST=2 TYP=3
├	8800	LEAR	4	S/F	0739.0E	0743.0	24.0D	140.0			QL=2 ST=2 TYP=5
├	15400	LEAR	4	S/F	0739.0E	0740.0	24.0D	95.0			QL=4 ST=2 TYP=3
├	15400	SVTO	4	S/F	0740.0E	0743.0	11.0D	55.0			QL=2 ST=2 TYP=3
├	204	IZMI	41	F	0741.0	0743.0	4.0	350.0			
├	3000	POTS	3	S	0742.5	0742.8	1.0	25.0			
├	950	GORK	4	S/F	0742.9	0743.2	2.1	25.0			
├	9500	POTS	8	S	0743.0	0743.2	0.5	34.0			
└	1470	POTS	8	S	0745.2	0745.4	0.3	44.0			
	2840	PEKG	29	PBI	0804.0		23.0	30.9			
┌	650	GORK	41	F	0822.2	0843.0		150.0			
├	600	HUMN	40	F	0822.2	0843.1	28.5	126.0	13.0		
├	650	GORK	41	F	0822.2	0836.2	27.0	33.0			
├	410	LEAR	49	GB	0824.0E	0844.0	28.0D	550.0			QL=2 ST=2 TYP=7
├	430	KRAK	49	GB	0824.9	0844.0		210.0D			
├	430	KRAK	49	GB	0824.9	0836.5U	40.0	210.0D	80.0D		
├	950	GORK	22	GRF	0840.6	0843.7	8.6	8.0			
├	410	SVTO	49	GB	0841.0E	0843.0	7.0D	510.0			QL=2 ST=2 TYP=6
├	810	KRAK	7	C	0841.0	0843.8	5.3	21.0	8.0		
└	610	SVTO	4	S/F	0842.0E	0844.0	4.0D	190.0			QL=4 ST=2 TYP=3
	3000	POTS	8	S	0958.2	0958.4	0.8	38.0			
	430	KRAK	8	S	1009.3	1010.0	1.5	12.0			
	9300	KISV	2	S/F	1023.4	1024.1	5.6	4.0			
	260	ONDR	42	SER	1040.0	1050.6	125.0	55.0			
	9300	KISV	2	S/F	1058.1	1058.7	4.5	6.0			
	9300	KISV	2	S/F	1111.8	1112.4	2.5	4.0			
	8800	SVTO	49	GB	1117.0E	1117.0	U	1200.0			QL=2 ST=2 TYP=6
	9400	HUAN	20	GRF	1404.6	1431.6	53.7	9.0	4.2		
	6700	CUBA	2	S/F	1509.5	1510.8	4.5	9.0	4.0		18L
	9500	CUBA	1	S	1536.0	1539.5	7.0	10.0	5.0		

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

FEBRUARY 1991

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
08	9400	HUAN	22	GRF	1553.0	1558.6	23.1	24.8	13.7		
	9500	CUBA	23	GRF	1554.0	1559.0	52.0	27.0	13.0		
	6700	CUBA	2	S/F	1601.5	1602.9	4.5	13.0	6.0		00L
	9500	CUBA	1	S	2124.2	2125.3	2.9	32.0	16.0		
	6700	CUBA	1	S	2124.2	2125.5	2.9	32.0	16.0		14L
	6700	CUBA	29	PBI	2127.1		7.1	6.0	3.0		00L
	9500	CUBA	29	PBI	2127.1		9.9	7.0	3.0		
09	245	LEAR	8	S	0036.0E	0036.0	U	82.0			QL=4 ST=2 TYP=3
	5900	KISV	22	GRF	0643.5	0658.4	26.6	9.0			
	5900	KISV	22	GRF	0720.0	0724.9	10.7	5.0			
	9300	KISV	2	S/F	0721.3	0721.6	1.5	5.0			
	5900	KISV	45	C	0927.4	0928.5		3.0			
	5900	KISV	45	C	0927.4	0929.8	6.9	5.0			
	9300	KISV	21	GRF	1005.2	1006.9	8.0	7.0			
	5900	KISV	21	GRF	1006.1	1011.6	10.5	9.0			
	9300	KISV	2	S/F	1037.1	1038.2	2.0	5.0			
	9100	GORK	2	S/F	1037.1	1038.3	2.2	6.0			
	260	ONDR	42	SER	1110.0	1131.5	84.0	6.0			
	6700	CUBA	1	S	1549.0	1550.1	3.0	3.0	1.0		100L
	8800	LEAR	8	S	2318.0E	2318.0	1.0D	52.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2318.0E	2318.0	1.0D	52.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	2347.0E	2347.0	1.0D	51.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2347.0E	2347.0	1.0D	74.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2347.0E	2347.0	1.0D	70.0			QL=2 ST=2 TYP=3
10	2840	PEKG	5	S	0523.0	0533.3	20.0	17.7			
	5900	KISV	2	S/F	0711.1	0712.4	5.2	4.0			
	650	GORK	2	S/F	0808.6	0808.7	0.3	7.0			
	950	GORK	1	S	0808.7	0808.7	0.4	5.0			
	260	ONDR	8	S	1009.0	1009.0	1.5	19.0			
	9300	KISV	2	S/F	1034.5	1036.2	3.8	11.0			
	9100	GORK	2	S/F	1035.0	1036.2	1.5	10.0			
	15000	KISV	2	S/F	1035.0	1036.2	2.1	10.0			
	260	ONDR	8	S	1059.6	1059.6	0.9	19.0			
	9400	HUAN	1	S	1404.4	1409.9	9.9	9.0	3.6		
	9500	CUBA	20	GRF	1405.0	1409.0	11.0	12.0	6.0		
	9400	HUAN	1	S	1530.4	1532.3	7.0	19.8	8.4		
	9500	CUBA	2	S/F	1531.5	1532.3	45.0	21.0	10.0		
	9400	HUAN	1	S	1551.2	1552.8	4.9	12.6	5.2		
	9500	CUBA	21	GRF	1731.0	1738.0	13.0	21.0	10.0		
	9400	HUAN	4	S/F	1732.6	1735.8	12.1	88.2	36.7		
	610	PALE	8	S	1735.0E	1735.0	U	260.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1735.0E	1735.0	U	120.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1735.0E	1735.0	2.0D	70.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1735.0E	1735.0	U	39.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1735.0E	1735.0	U	360.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1735.3	1735.5	2.2	44.0	22.0		
	9400	HUAN	4	S/F	1943.0	1947.1	15.5	34.2	15.4		
	9500	CUBA	4	S/F	1943.2	1947.3	8.3	23.0	11.0		
	9500	CUBA	22	GRF	2039.0	2043.0	7.0	9.0	4.0		
	9400	HUAN	2	S/F	2044.0	2047.0	12.0	14.4	6.3		
11	245	LEAR	8	S	0025.0E	0025.0	U	64.0			QL=4 ST=2 TYP=3
	2840	PEKG	46	C	0151.0	0156.2	8.0	17.7			
	8800	LEAR	4	S/F	0152.0E	0153.0	4.0D	92.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0153.0E	0153.0	1.0D	50.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0153.0E	0153.0	U	44.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0153.0E	0153.0	3.0D	110.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	0155.0E	0156.0	1.0D	24.0			QL=4 ST=2 TYP=3
	9100	GORK	2	S/F	0552.7	0553.8	8.9	25.0			
	2840	PEKG	1	S	0617.5	0618.9	4.5	7.3			
	200	HIRA	8	S	0652.8	0652.9	0.9	9400.0			O
	410	LEAR	8	S	0653.0E	0653.0	1.0D	140.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	0653.0E	0653.0	1.0D	1900.0			QL=4 ST=2 TYP=6
	245	SVTO	49	GB	0653.0E	0653.0	1.0D	1700.0			QL=2 ST=2 TYP=6
	410	SVTO	8	S	0653.0E	0653.0	1.0D	130.0			QL=4 ST=2 TYP=3
	100	HIRA	42	SER	0653.0	0653.5U	5.3	1000.0D			
	234	POTS	41	F	0653.2	0653.3	4.9	2000.0			

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

FEBRUARY 1991

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
11	113	POTS	42	SER	0653.2	0653.6	6.2	600.0			
	100	GORK	41	F	0653.3	0653.8	5.6	2000.0			
	100	GORK	41	F	0653.3	0657.8		520.0			
	200	GORK	41	F	0653.5	0658.0		30.0			
	500	HIRA	41	F	0653.5	0653.6	1.0	152.0			O
	650	GORK	1	S	0653.5	0653.7	0.5	3.0			
	950	GORK	1	S	0653.5	0653.7	4.2	4.0			
	200	GORK	41	F	0653.5	0653.8	4.9	16500.0			
	5900	KISV	2	S/F	0725.1	0729.5	8.6	3.0			
	2950	GORK	20	GRF	0909.0	1030.3	151.7	10.0			
	2850	CRIM	20	GRF	0911.9	0916.3	48.0	8.0	3.0		
	3013	IZMI	7	C	0913.0	0916.2	6.5	6.0	4.0		
	5900	KISV	2	S/F	0945.6	0946.1	6.0	2.0			
	9300	KISV	2	S/F	0945.6	0946.1	1.8	5.0			
	9100	GORK	1	S	0945.7	0946.0	0.7	4.0			
	650	GORK	1	S	1008.0	1008.1	0.3	5.0			
	234	POTS	4	S/F	1008.8	1010.1	1.8	200.0			
	245	LEAR	8	S	1009.0E	1010.0	1.0D	96.0			QL=4 ST=2 TYP=3
	200	GORK	4	S/F	1009.2	1010.3	1.4	40.0			
	100	GORK	4	S/F	1009.7	1010.4	1.3	130.0			
	260	ONDR	2	S/F	1009.9	1010.0	0.6	80.0			
	950	GORK	1	S	1009.9	1010.1	0.7	3.0			
	113	POTS	4	S/F	1010.0	1010.1	1.0	60.0			
	204	IZMI	7	C	1010.0	1010.5	1.5	160.0			
	5900	KISV	21	GRF	1027.4	1034.3	31.3	6.0			
	3013	IZMI	1	S	1028.0	1030.0	2.5	4.0	3.0		
	2850	CRIM	20	GRF	1028.0	1030.1	12.0	8.0	3.0		
	9300	KISV	20	GRF	1028.4	1030.3	16.5	7.0			
	260	ONDR	45	C	1053.5	1053.5	1.5	52.0			
	260	ONDR	4	S/F	1121.5	1121.5	0.5	247.0			
	127	TORN	4	S/F	1226.7	1227.3	1.4	330.0	40.0		
	9400	HUAN	20	GRF	1233.6	1242.5	38.8	9.0	4.2		
	245	PALE	8	S	1738.0E	1738.0	1.0D	61.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1738.0E	1738.0	2.0D	63.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2326.0E	2326.0	U	53.0			QL=4 ST=2 TYP=3
12	410	SVTO	44	NS	0608.0E	0609.0	1072.0D	140.0			QL=4 ST=1 TYP=1
	245	SVTO	44	NS	0608.0E	0609.0	1072.0D	340.0			QL=4 ST=1 TYP=1
	410	LEAR	8	S	0009.0E	0010.0	1.0D	13.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0009.0E	0010.0	1.0D	59.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0107.0E	0107.0	U	67.0			QL=4 ST=2 TYP=3
	2840	PEKG	41	F	0450.0	0451.6	2.6	5.9			
	2950	GORK	20	GRF	0945.0U	1057.9	105.0D	7.0			
	260	ONDR	42	SER	0951.0	1057.7	216.0	265.0			
	127	TORN	8	S	1050.1	1050.4	1.8	1000.0D	80.0		
	234	POTS	42	SER	1050.2	1057.3	8.7	750.0			
	204	IZMI	42	SER	1050.6	1051.0	9.5	670.0			
	2950	GORK	1	S	1222.8	1223.2	1.5	3.6			
	2800	OTTA	20	GRF	1925.0	1934.0	41.0	3.7	1.0		
	245	PALE	8	S	2108.0E	2109.0	2.0D	79.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2109.0E	2109.0	U	71.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2125.0E	2126.0	1.0D	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2125.0E	2126.0	1.0D	120.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2146.0E	2147.0	4.0D	52.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	2328.0E	2329.0	1.0D	19.0			QL=2 ST=2 TYP=3
13	2840	PEKG	1	S	0312.5	0313.0	1.0	3.6			
	245	LEAR	4	S/F	0654.0E	0656.0	3.0D	62.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0722.0E	0722.0	U	67.0			QL=4 ST=2 TYP=3
	950	GORK	1	S	0757.1	0757.1	0.6	2.0			
	650	GORK	1	S	0757.3	0757.3	0.7	2.5			
	245	LEAR	8	S	0810.0E	0810.0	U	77.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	1022.0E	1022.0	1.0D	59.0			QL=4 ST=2 TYP=3
	260	ONDR	8	S	1022.7	1022.7	0.6	26.0			
	260	ONDR	2	S/F	1029.9	1029.9	0.6	14.0			
	260	ONDR	4	S/F	1202.2	1202.2	0.9	49.0			
	245	SGMR	8	S	1433.0E	1433.0	U	51.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1642.1	1642.5	0.9	8.0	4.0		
	2695	PENT	3	S	2316.4	2319.6	8.2	19.7	4.0		

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
14	245	LEAR	4	S/F	0306.0E	0307.0	5.0D	81.0			QL=4 ST=2 TYP=3
	100	HIRA	42	SER	0315.8	0317.6	28.0	240.0			
	200	HIRA	46	C	0316.6	0317.3	1.1	180.0			O
	100	HIRA	46	C	0434.0	0435.3	2.8	185.0			
	5900	KISV	23	GRF	0602.8	0628.0	37.0	5.0			
	5900	KISV	45	C	0609.6	0616.8		18.0			
	5900	KISV	45	C	0609.6	0614.9	16.4	22.0			
	9300	KISV	45	C	0610.2	0615.1	19.3	18.0			
	9300	KISV	45	C	0610.2	0616.8		16.0			
	2850	CRIM	7	C	0611.0	0615.0	8.0	21.0	8.0		
	2850	CRIM	7	C	0611.0	0616.9		17.0			
	15000	KISV	20	GRF	0611.1	0615.3	18.9	9.0			
	245	LEAR	8	S	0612.0E	0612.0	2.0D	120.0			QL=4 ST=2 TYP=3
	2950	GORK	45	C	0612.1	0614.4	7.0	12.5			
	2950	GORK	45	C	0612.1	0616.8		10.0			
	650	GORK	4	S/F	0612.6	0615.1	7.0	22.0			
	950	GORK	29	PBI	0612.6	0616.1	13.9	5.0			
	950	GORK	4	S/F	0612.6	0614.8	3.5	25.0			
	2695	LEAR	4	S/F	0613.0E	0615.0	4.0D	18.0			QL=2 ST=2 TYP=3
	4995	LEAR	4	S/F	0613.0E	0615.0	4.0D	20.0			QL=2 ST=2 TYP=3
	9100	GORK	2	S/F	0613.7	0615.0	5.3	11.0			
	500	HIRA	4	S/F	0613.8	0615.0	3.5	11.0			O
	610	LEAR	8	S	0614.0E	0615.0	1.0D	15.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0614.0E	0615.0	1.0D	13.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0615.0E	0615.0	U	13.0			QL=2 ST=2 TYP=3
	650	GORK	3	S	0623.0	0625.1	5.1	8.0			
	100	GORK	46	C	0836.2	0838.2		520.0			
	40	POTS	4	S/F	0836.2	0838.6	3.8				
	100	GORK	46	C	0836.2	0837.9	3.1	650.0			
	113	POTS	4	S/F	0836.6	0837.9	3.4	120.0			
	127	TORN	4	S/F	0837.0	0838.0	2.0	650.0	90.0		
	650	GORK	1	S	0837.2	0838.0	1.6	1.5			
	950	GORK	1	S	0837.2	0838.0	1.5	2.0			
	204	IZMI	41	F	0838.0	0839.0	1.3	25.0			
	950	GORK	20	GRF	1011.3	1028.4	25.3	6.0			
	2950	GORK	46	C	1159.2	1202.2	7.2	54.0			
	2950	GORK	46	C	1159.2	1205.4		47.0			
	2950	GORK	29	PBI	1159.2	1206.5	11.5	29.0			
	2950	GORK	46	C	1159.2	1203.6		70.0			
	260	ONDR	8	S	1211.9	1211.9	2.5	10.0			
	3000	POTS	21	GRF	1228.5U	1239.6U	49.0U	28.0			
	2850	CRIM	29	PBI	1230.0	1238.0	38.0	22.0	7.0		
	2695	SGMR	4	S/F	1230.0E	1233.0	690.0D	84.0			QL=4 ST=1 TYP=3
	2850	CRIM	45	C	1230.0	1232.1	8.0	68.0	33.0		
	2850	CRIM	45	C	1230.0	1233.4		95.0			
	2850	CRIM	45	C	1230.0	1235.4		67.0			
	2850	CRIM	45	C	1230.0	1234.5		68.0			
	808	ONDR	46	C	1230.0	1233.6	8.0	35.0			
	1470	POTS	4	S/F	1230.2	1232.4	8.9	58.0			
	536	ONDR	46	C	1230.5	1231.5	6.5	55.0			
	650	GORK	29	PBI	1230.6	1235.4	10.6D	7.5			
	650	GORK	4	S/F	1230.6	1233.6	4.8	22.0			
	430	KRAK	42	SER	1230.8	1232.1	2.7	143.0			
	950	GORK	4	S/F	1230.8	1232.3	4.6	34.0			
	950	GORK	29	PBI	1230.8	1235.4	10.6D	13.0			
	9500	POTS	20	GRF	1230.8	1233.8	35.2	37.0			
	2695	SGMR	4	S/F	1231.0E	1233.0	4.0D	99.0			QL=4 ST=2 TYP=3
	1415	SVTO	4	S/F	1231.0E	1232.0	3.0D	54.0			QL=4 ST=2 TYP=3
	2695	SVTO	4	S/F	1231.0E	1233.0	6.0D	80.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	1231.0E	1233.0	10.0D	72.0			QL=2 ST=2 TYP=3
	1415	SGMR	4	S/F	1231.0E	1232.0	689.0D	53.0			QL=4 ST=1 TYP=3
	4995	SGMR	4	S/F	1231.0E	1233.0	689.0D	62.0			QL=4 ST=1 TYP=3
	810	KRAK	3	S	1231.0	1233.0U	6.0	15.0	9.0		
	3000	POTS	4	S/F	1231.0U	1234.0U	8.0U	89.0			
	600	HUMN	1	S	1231.0	1233.2	8.0	10.0	5.0		
	9100	GORK	21	GRF	1231.4	1236.0	16.6D	35.0			
	9400	HUAN	4	S/F	1231.4	1234.7	15.0	34.4	15.2		
	410	SGMR	8	S	1232.0E	1232.0	U	57.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1232.0E	1232.0	U	55.0			QL=4 ST=2 TYP=3

S O L A R R A D I O E M I S S I O N
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FEBRUARY 1991

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
14	9100	GORK	2	S/F	1232.8	1233.7	2.5	15.0			
	260	ONDR	8	S	1233.0	1233.0	1.5	45.0			
	4995	SGMR	8	S	1233.0E	1233.0	U	76.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1234.0E	1234.0	U	93.0			QL=4 ST=2 TYP=3
	9400	HUAN	29	PBI	1246.4	1246.4	43.1	19.1	8.2		
	245	PALE	4	S/F	1839.0E	1839.0	7.0D	58.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1925.0E	1926.0	2.0D	390.0			QL=4 ST=2 TYP=3
	610	PALE	8	S	1925.0E	1926.0	1.0D	84.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1925.0E	1926.0	2.0D	290.0			QL=2 ST=2 TYP=3
	610	SGMR	8	S	1926.0E	1926.0	U	61.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1941.0E	1942.0	1.0D	74.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	2002.0E	2002.0	1.0D	130.0			QL=2 ST=2 TYP=3
	1415	PALE	4	S/F	2053.0E	2054.0	4.0D	86.0			QL=4 ST=2 TYP=3
	610	PALE	4	S/F	2053.0E	2054.0	4.0D	240.0			QL=4 ST=2 TYP=3
	410	PALE	4	S/F	2053.0E	2054.0	3.0D	190.0			QL=4 ST=2 TYP=3
	410	SGMR	4	S/F	2053.0E	2054.0	3.0D	200.0			QL=2 ST=2 TYP=3
	1415	SGMR	4	S/F	2053.0E	2054.0	3.0D	65.0			QL=2 ST=2 TYP=3
	610	SGMR	4	S/F	2053.0E	2054.0	3.0D	150.0			QL=2 ST=2 TYP=3
	2800	OTTA	3	S	2053.2	2054.5	5.1	15.2	4.0		
	245	LEAR	8	S	2333.0E	2333.0	U	58.0			QL=4 ST=2 TYP=3
15	2840	PEKG	5	S	0117.0	0117.5	1.0	15.7			
	245	LEAR	8	S	0120.0E	0121.0	2.0D	68.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0120.0E	0121.0	1.0D	370.0			QL=4 ST=2 TYP=3
	410	PALE	49	GB	0120.0E	0121.0	1.0D	650.0			QL=4 ST=2 TYP=6
	500	HIRA	41	F	0120.5	0120.7	1.5	54.0			O
	245	LEAR	8	S	0413.0E	0414.0	2.0D	75.0			QL=4 ST=2 TYP=3
	200	HIRA	41	F	0413.6	0414.1	1.5	65.0			O
	100	GORK	46	C	0527.4	0528.0	4.9	600.0			
	200	HIRA	42	SER	0527.4	0528.4	16.5	270.0			O
	100	GORK	46	C	0527.4	0528.6		470.0			
	200	GORK	4	S/F	0527.8	0528.6	4.5	700.0			
	245	LEAR	8	S	0528.0E	0528.0	U	61.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0531.0E	0531.0	U	130.0			QL=4 ST=2 TYP=3
	9300	KISV	2	S/F	0700.5	0703.8	9.5	9.0			
	950	GORK	46	C	0759.3	0759.5	4.6	7.0			
	650	GORK	46	C	0759.3	0759.6	4.8	2.5			
	650	GORK	46	C	0759.3	0802.7		3.0			
	950	GORK	46	C	0759.3	0802.8		9.0			
	204	IZMI	5	S	0802.0	0802.0	1.0	10.0	5.0		
	2950	GORK	20	GRF	0822.6	0833.1	18.3	4.3			
	5900	KISV	2	S/F	0831.0	0833.1	6.0	3.0			
	650	GORK	1	S	1131.7	1134.2	5.1	2.0			
	950	GORK	1	S	1131.7	1133.9	5.1	5.0			
	2950	GORK	1	S	1131.8	1133.2	3.7	8.8			
	2850	CRIM	1	S	1131.8	1133.9	4.0	6.0	2.0		
	1470	POTS	4	S/F	1131.9	1133.5	4.3	11.0			
	260	ONDR	48	C	1159.9	1201.5	2.8	77.0			
	9400	HUAN	8	S	1935.8	1936.2	1.5	131.2	46.2		
	2800	OTTA	20	GRF	2039.0	2138.0	220.0D	19.5	9.0		
	9400	HUAN	1	S	2053.0	2054.8	5.6	7.8	2.9		
	9400	HUAN	1	S	2143.5	2146.5	6.5	9.8	4.2		
16	410	LEAR	8	S	0030.0E	0031.0	1.0D	15.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0030.0E	0031.0	1.0D	62.0			QL=4 ST=2 TYP=3
	9300	KISV	2	S/F	0628.3	0629.5	3.9	5.0			
	5900	KISV	2	S/F	0628.4	0629.6	4.5	6.0			
	5900	KISV	22	GRF	0740.0	0749.5		5.0			
	5900	KISV	22	GRF	0740.0	0742.6	13.3	5.0			
	5900	KISV	2	S/F	0831.3	0832.4	3.7	9.0			
	9300	KISV	2	S/F	0831.8	0832.5	3.5	5.0			
	100	GORK	41	F	0900.0	0958.4		3400.0			
	100	GORK	41	F	0900.0	0918.5	61.9	1050.0			
	245	LEAR	8	S	0905.0E	0906.0	1.0D	78.0			QL=4 ST=2 TYP=3
	113	POTS	4	S/F	0917.8	0918.2	1.7	400.0			
	204	IZMI	5	S	0918.0	0918.4	1.0	97.0			
	127	TORN	7	C	0918.0	0918.4	0.9	1200.0	610.0		
	200	GORK	41	F	0918.0	0918.4	43.2	390.0			
	40	POTS	4	S/F	0918.0	0918.6	1.2				

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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
16	200	GORK	41	F	0918.0	0959.9		25.0			
	204	IZMI	8	S	0929.5	0929.6	0.2	53.0	45.0		
	204	IZMI	41	F	0956.0	0959.0	3.5	320.0			
	260	ONDR	48	C	0956.0	0959.5	4.5	68.0			
	410	LEAR	8	S	0958.0E	0959.0	2.0D	37.0			QL=4 ST=2 TYP=3
	127	TORN	46	C	0958.0	0959.4	3.7	830.0	90.0		
	113	POTS	4	S/F	0958.2	0959.6	5.5	350.0			
	40	POTS	41	F	0958.5	0959.8	5.5U				
	650	GORK	4	S/F	0958.9	0959.8	2.5	11.0			
	430	KRAK	42	SER	0959.0	1000.0	1.6	57.0			
	610	LEAR	8	S	0959.0E	0959.0	1.0D	12.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0959.0E	0959.0	U	47.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	0959.0E	0959.0	1.0D	44.0			QL=4 ST=2 TYP=3
	245	SVTO	4	S/F	0959.0E	0959.0	841.0D	51.0			QL=4 ST=1 TYP=3
	950	GORK	1	S	0959.2	0959.7	1.5	3.0			
	536	ONDR	2	S/F	0959.5	0959.6	1.3	42.0			
	610	SVTO	8	S	1000.0E	1000.0	U	84.0			QL=4 ST=2 TYP=3
	127	TORN	7	C	1053.1	1053.7	1.6	20.0	6.0		
	260	ONDR	8	S	1114.1	1114.1	0.7	16.0			
	9400	HUAN	20	GRF	1923.4	2008.5	76.1	11.5	4.6		
	9400	HUAN	22	GRF	2141.8	2154.2	58.2	23.0	9.8		
17	127	TORN	43	NS	0930.0		330.0		5.0		V=1
	100	GORK	43	NS	1007.7		80.0D		5.0		
	200	GORK	43	NS	1039.5		50.5		5.0		
	235	CUBA	44	NS	1316.0E		494.0D		14.0		
	280	CUBA	44	NS	1316.0E		494.0D		24.0		
	2840	PEKG	20	GRF	0436.0	0454.0	67.0	22.8			
	245	LEAR	8	S	0514.0E	0514.0	U	54.0			QL=4 ST=2 TYP=3
	5900	KISV	22	GRF	0558.7	0617.9	39.1	19.0			
	9100	GORK	46	C	0602.0	0620.0		40.0			
	9100	GORK	46	C	0602.0	0616.3		17.0			
	9100	GORK	46	C	0602.0	0609.9	30.0	17.0			
	9300	KISV	23	GRF	0607.0	0621.4	24.3	22.0			
	15000	KISV	2	S/F	0613.1	0613.5	2.0	11.0			
	950	GORK	1	S	0615.0	0615.1	0.6	1.0			
	650	GORK	1	S	0615.0	0615.3	0.6	1.0			
	15000	KISV	4	S/F	0617.5	0619.8	3.5	65.0			
	100	GORK	41	F	0618.4	0622.1		320.0			
	100	GORK	41	F	0618.4	0619.2	5.1	1700.0			
	200	GORK	41	F	0618.5	0621.1		1500.0			
	200	GORK	41	F	0618.5	0619.4	5.5	1000.0			
	200	HIRA	42	SER	0618.8	0622.6	5.3	240.0			WL
	15400	LEAR	8	S	0619.0E	0619.0	1.0D	150.0			QL=4 ST=2 TYP=3
	950	GORK	1	S	0619.1	0619.3	0.4	2.0			
	2950	GORK	1	S	0619.1	0619.4	0.6	3.2			
	650	GORK	1	S	0619.1	0619.4	0.4	2.0			
	9300	KISV	3	S	0619.6	0620.0	1.0	23.0			
	245	LEAR	8	S	0621.0E	0621.0	U	370.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0621.0E	0621.0	U	30.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0621.0E	0621.0	U	380.0			QL=2 ST=2 TYP=3
	5900	KISV	2	S/F	0711.6	0712.8	3.8	4.0			
	9100	GORK	1	S	0723.5	0733.0	10.0	4.0			
	9300	KISV	20	GRF	0723.9	0733.1	24.1	13.0			
	204	IZMI	5	S	0726.6	0727.0	0.8	35.0	25.0		
	9300	KISV	2	S/F	0804.5	0805.2	2.4	7.0			
	9100	GORK	1	S	0804.5	0805.5	2.2	7.0			
	9100	GORK	1	S	0817.7	0818.2	1.6	10.0			
	9300	KISV	2	S/F	0817.7	0818.3	1.3	9.0			
	9300	KISV	2	S/F	0832.8	0833.3	1.5	5.0			
	15000	KISV	2	S/F	0848.9	0850.2	1.9	7.0			
	9100	GORK	3	S	0929.8	0930.0	0.4	22.0			
	9300	KISV	1	S	0929.8	0930.0	1.6	22.0			
	5900	KISV	1	S	0929.8	0930.1	0.9	8.0			
	9300	KISV	23	GRF	0948.0	0951.4	25.0	7.0			
	5900	KISV	23	GRF	0948.0	0949.8	42.0	5.0			
	245	LEAR	4	S/F	0956.0E	0956.0	4.0D	76.0			QL=4 ST=2 TYP=3
	9100	GORK	2	S/F	0957.3	1000.0	6.6	20.0			
	9300	KISV	2	S/F	0957.6	0959.8	6.6	17.0			

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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
17	9500	POTS	4	S/F	0958.4	0959.9	4.5	15.0			
	5900	KISV	2	S/F	0958.7	0959.8	3.8	12.0			
	2950	GORK	20	GRF	1003.8	1107.6	97.0	5.6			
	204	IZMI	7	C	1006.0	1006.3	0.6	20.0			
	9100	GORK	23	GRF	1016.4	1021.7	23.6	10.0			
	9300	KISV	22	GRF	1017.0	1021.3	13.0	11.0			
	245	LEAR	4	S/F	1019.0E	1020.0	5.0D	67.0			QL=4 ST=2 TYP=3
	9100	GORK	3	S	1036.0	1036.2	1.3	50.0			
	113	POTS	4	S/F	1050.0	1052.6	13.4	190.0			
	40	POTS	42	SER	1050.1	1100.2	12.6				
	9100	GORK	22	GRF	1050.6	1056.7	19.7	15.0			
	200	GORK	46	C	1101.5	1102.4	2.5	670.0			
	200	GORK	46	C	1101.5	1102.6		200.0			
	100	GORK	46	C	1101.7	1102.2	1.3	380.0			
	100	GORK	46	C	1101.7	1102.5		1300.0			
	204	IZMI	41	F	1102.0	1102.8	1.2	170.0			
	234	POTS	41	F	1113.1	1120.0	9.1	4100.0			
	100	GORK	46	C	1113.1	1114.6	7.9	4400.0			
	100	GORK	46	C	1113.1	1119.7		2400.0			
	100	GORK	46	C	1113.1	1117.7		2400.0			
	113	POTS	41	F	1113.1	1117.8	9.2	2800.0			
	200	GORK	46	C	1113.2	1116.0	7.8	670.0			
	200	GORK	46	C	1113.2	1119.7		1400.0			
	200	GORK	46	C	1113.2	1117.9		1900.0			
	204	IZMI	42	SER	1114.0	1118.0	9.0	5200.0			
	245	SVTO	8	S	1114.0E	1116.0	2.0D	360.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1114.0E	1115.0	2.0D	150.0			QL=4 ST=2 TYP=3
	127	TORN	48	C	1114.2	1120.0U	11.3	2700.0D	200.0		
	40	POTS	4	S/F	1114.2	1119.3	6.4				
	430	KRAK	42	SER	1114.3	1115.7	6.5	160.0D			
	260	ONDR	42	SER	1115.0	U	7.5	D			
	536	ONDR	42	SER	1115.0	1118.0	5.5	33.0			
	650	GORK	41	F	1117.0	1119.6		19.0			
	950	GORK	2	S/F	1117.0	1118.8	3.2	2.0			
	650	GORK	41	F	1117.0	1118.8	3.3	10.0			
	5900	KISV	45	C	1128.3	1133.1		10.0			
	5900	KISV	45	C	1128.3	1130.8	10.3	13.0			
	9100	GORK	46	C	1129.1	1133.0		15.0			
	9100	GORK	46	C	1129.1	1130.8	10.4	25.0			
	9300	KISV	45	C	1129.7	1133.2		14.0			
	9500	POTS	40	F	1129.7	1130.7	7.1	19.0			
	9300	KISV	45	C	1129.7	1130.8	11.8	25.0			
	9400	HUAN	4	S/F	1227.1	1229.8	10.0	29.0	11.6		
	245	SGMR	8	S	1259.0E	1300.0	1.0D	490.0			QL=2 ST=2 TYP=3
	234	POTS	4	S/F	1259.1	1300.1	1.9	550.0			
	113	POTS	4	S/F	1259.2	1300.1	1.8	300.0			
	40	POTS	4	S/F	1259.2	1300.5	1.8				
	245	SVTO	8	S	1300.0E	1300.0	U	470.0			QL=4 ST=2 TYP=3
	260	ONDR	8	S	1300.0	1300.5	0.5	470.0			
	9400	HUAN	1	S	1308.1	1310.2	7.1	5.8	2.1		
	9500	CUBA	21	GRF	1309.0	1332.0	161.0	7.0	3.0		
	9500	CUBA	1	S	1311.5	1312.0	4.0	5.0	2.0		
	9500	CUBA	1	S	1333.1	1333.2	3.7	5.0	2.0		
	9400	HUAN	3	S	1408.8	1411.4	8.8	42.6	20.5		
	9500	CUBA	1	S	1411.0	1411.5	4.9	26.0	13.0		
	9500	POTS	4	S/F	1411.2	1411.6	2.8	30.0			
	9400	HUAN	22	GRF	1437.8	1512.6	65.6	11.6	4.8		
	9500	CUBA	2	S/F	1530.1	1531.9	7.4	8.0	4.0		
	9400	HUAN	23	GRF	1632.1	1704.0	57.9	7.7	2.9		
	9400	HUAN	3	S	1636.7	1637.6	5.7	34.8	16.2		
	9500	CUBA	1	S	1637.2	1637.5	0.8	19.0	9.0		
	9500	CUBA	29	PBI	1638.0		9.0	7.0	3.0		
	9400	HUAN	4	S/F	1647.1	1651.0	10.3	35.8	16.2		
	9500	CUBA	4	S/F	1648.0	1651.5	9.5	22.0	11.0		
	9400	HUAN	3	S	1748.3	1750.0	3.4	33.9	14.8		
	9500	CUBA	1	S	1750.0	1750.1	1.0	10.0	5.0		
	9500	CUBA	46	C	1822.5	1835.0	23.3	41.0	19.0		
	9400	HUAN	4	S/F	1823.8	1835.0	17.2	73.6	38.4		
	8800	SGMR	4	S/F	1828.0E	1835.0	9.0D	57.0			QL=4 ST=2 TYP=5

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
17	8800	PALE	4	S/F	1832.0E	1835.0	3.0D	49.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1838.0E	1838.0	U	360.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1838.0E	1838.0	2.0D	310.0			QL=4 ST=2 TYP=3
	9400	HUAN	30	PBI	1841.0	1841.0	51.5	16.4	7.6		
	9500	CUBA	30	PBI	1845.8		20.2	19.0	9.0		
	9400	HUAN	1	S	1848.5	1851.8	6.1	11.6	4.8		
	9500	CUBA	1	S	1849.0	1851.1	5.0	12.0	6.0		
	245	SGMR	8	S	2000.0E	2000.0	1.0D	82.0			QL=2 ST=2 TYP=3
	9400	HUAN	2	S/F	2007.6	2009.8	4.7	21.3	8.7		
	9500	CUBA	1	S	2009.0	2010.0	4.0	17.0	8.0		
	9500	CUBA	22	GRF	2018.0	2024.0	9.0	16.0	8.0		
	9400	HUAN	2	S/F	2023.6	2026.0	8.8	13.6	5.8		
	9500	CUBA	21	GRF	2100.0	2110.0	90.0D	16.0			SUNSET
	9400	HUAN	20	GRF	2103.8	2111.0	21.2	17.4	7.2		
	410	PALE	8	S	2126.0E	2128.0	2.0D	470.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	2128.0E	2128.0	1.0D	1300.0			QL=4 ST=2 TYP=6
	410	SGMR	49	GB	2128.0E	2128.0	2.0D	590.0			QL=4 ST=2 TYP=6
	245	SGMR	49	GB	2128.0E	2128.0	2.0D	1200.0			QL=4 ST=2 TYP=6
	9400	HUAN	4	S/F	2128.1	2130.8	5.3	34.8	15.6		
	9500	CUBA	4	S/F	2129.2	2131.3	9.8	35.0	17.0		
	9500	CUBA	4	S/F	2129.2	2131.3	9.8	35.0	17.0		
	9400	HUAN	1	S	2224.8	2227.3	6.7	5.8	2.4		
	200	HIRA	41	F	2235.6	2237.2	4.0	97.0			ML
	245	LEAR	4	S/F	2236.0E	2237.0	5.0D	160.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2237.0E	2237.0	U	100.0			QL=4 ST=2 TYP=3
	100	HIRA	42	SER	2320.5	2406.7U	46.9	1000.0D			
	245	LEAR	8	S	2321.0E	2321.0	1.0D	92.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	2321.0E	2321.0	U	14.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2321.0E	2321.0	1.0D	73.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	2321.1	2350.5	51.5	860.0			ML
	245	PALE	49	GB	2343.0E	2351.0	11.0D	900.0			QL=4 ST=2 TYP=7
	15400	LEAR	8	S	2346.0E	2347.0	1.0D	14.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2347.0E	2347.0	1.0D	24.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2347.0E	2348.0	1.0D	110.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	2350.0E	2351.0	1.0D	450.0			QL=4 ST=2 TYP=3
	15400	LEAR	4	S/F	2350.0E	2353.0	4.0D	22.0			QL=4 ST=2 TYP=3
	245	LEAR	49	GB	2351.0E	2351.0	1.0D	790.0			QL=4 ST=2 TYP=6
	610	LEAR	4	S/F	2351.0E	2351.0	9.0D	58.0			QL=4 ST=1 TYP=3
	245	PALE	49	GB	2351.0E	2351.0	3.0D	900.0			QL=4 ST=3 TYP=6
	410	PALE	49	GB	2351.0E	2351.0	U	770.0			QL=4 ST=2 TYP=6
	610	PALE	8	S	2351.0E	2351.0	U	64.0			QL=4 ST=2 TYP=3
	4995	LEAR	4	S/F	2352.0E	2353.0	4.0D	47.0			QL=2 ST=2 TYP=3
	4995	PALE	8	S	2352.0E	2353.0	2.0D	58.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	2353.0E	2353.0	1.0D	12.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	2353.0E	2353.0	1.0D	31.0			QL=2 ST=2 TYP=3
	8800	PALE	8	S	2353.0E	2353.0	1.0D	49.0			QL=4 ST=2 TYP=3
18	200	GORK	43	NS	0502.0		478.0D		5.0		
	204	IZMI	43	NS	0920.0		160.0	20.0			
	100	GORK	43	NS	1118.0		102.0D		5.0		
	127	TORN	43	NS	1130.0		210.0		10.0		V=1
	235	CUBA	44	NS	1316.0E		500.0D		21.0		
	280	CUBA	44	NS	1316.0E		500.0D		29.0		
	245	PALE	44	NS	1800.0E	1800.0	227.0D	72.0			QL=4 ST=2 TYP=1
	200	HIRA	44	NS	2122.0E	0230.0	655.0D	19.0	10.0		ML
	245	LEAR	4	S/F	0010.0E	0012.0	4.0D	84.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0115.8	0117.8	22.4	34.0			O
	245	LEAR	8	S	0117.0E	0119.0	2.0D	35.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0117.0E	0118.0	1.0D	83.0			QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0228.0E	0229.0	1.0D	17.0			QL=2 ST=2 TYP=3
	15400	LEAR	4	S/F	0228.0E	0229.0	3.0D	240.0			QL=2 ST=2 TYP=3
	8800	LEAR	4	S/F	0228.0E	0229.0	5.0D	150.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	0228.0E	0229.0	3.0D	160.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	0228.0E	0229.0	2.0D	300.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0228.0E	0229.0	1.0D	31.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0406.0E	0406.0	U	69.0			QL=2 ST=2 TYP=3
	2840	PEKG	22	GRF	0444.0	0448.6	22.0	11.7			
	9100	GORK	22	GRF	0615.4	0651.0	44.0	11.0			
	9300	KISV	2	S/F	0619.9	0621.0	5.4	6.0			

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

FEBRUARY 1991

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	2950	GORK	21	GRF	0630.0	0746.8	390.0	19.0			
	5900	KISV	2	S/F	0634.0	0634.7	1.7	6.0			
	9300	KISV	42	SER	0634.0	0634.8	7.2	6.0			
	9300	KISV	42	SER	0634.0	0638.9		6.0			
	9100	GORK	23	GRF	0708.5	0746.3	267.5	25.0			
	5900	KISV	23	GRF	0720.5	0734.7	44.5	15.0			
	2840	PEKG	45	C	0722.0	0727.7	24.0	56.5			
	9300	KISV	23	GRF	0722.3	0737.5	61.7	20.0			
	4995	LEAR	4	S/F	0723.0E	0727.0	17.0D	63.0			QL=2 ST=3 TYP=3
	9500	POTS	29	PBI	0723.5	0727.4	36.5	36.0			
	9300	KISV	21	GRF	0723.5	0727.5	13.7	38.0			
	9100	GORK	20	GRF	0723.5	0726.8	22.8	35.0			
	3013	IZMI	7	C	0723.7	0726.5	11.0	21.0	10.0		
	2850	CRIM	29	PBI	0723.9	0730.0	120.0	14.0			
	2850	CRIM	3	S	0723.9	0727.5	6.0	63.0	20.0		
	1415	LEAR	4	S/F	0724.0E	0726.0	3.0D	69.0			QL=4 ST=3 TYP=3
	8800	SVTO	4	S/F	0724.0E	0726.0	6.0D	45.0			QL=2 ST=2 TYP=3
	15400	SVTO	20	GRF	0724.0E	0732.0	8.0D	46.0			QL=2 ST=2 TYP=2
	2695	SVTO	4	S/F	0724.0E	0726.0	4.0D	51.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0724.0E	0726.0	4.0D	46.0			QL=2 ST=2 TYP=3
	2695	LEAR	4	S/F	0724.0E	0727.0	16.0D	71.0			QL=2 ST=3 TYP=3
	8800	LEAR	4	S/F	0724.0E	0727.0	16.0D	44.0			QL=2 ST=3 TYP=3
	5900	KISV	4	S/F	0724.0	0726.8	10.0	36.0			
	2950	GORK	4	S/F	0724.1	0726.5	5.3	34.0			
	1470	POTS	4	S/F	0724.6	0726.4	5.4	84.0			
	950	GORK	2	S/F	0725.6	0726.3	2.1	8.0			
	650	GORK	2	S/F	0725.6	0726.3	2.1	3.5			
	3000	POTS	4	S/F	0725.6	0727.5	2.9	29.0			
	5900	KISV	21	GRF	0911.3	0921.0	29.7	14.0			
	9300	KISV	22	GRF	0912.3	0920.7	31.1	21.0			
	9500	POTS	22	GRF	0917.5	0921.5	27.5	17.0			
	9100	GORK	22	GRF	0917.6	0921.6	22.4	15.0			
	260	ONDR	42	SER	0930.0	1145.6	280.0	38.0			
	200	GORK	4	S/F	0948.7	0950.4	3.7	30.0D			
	100	GORK	4	S/F	0949.0	0950.6	3.5	35.0			
	15000	KISV	2	S/F	0954.8	0955.1	1.5	6.0			
	9300	KISV	2	S/F	0956.7	0957.4	2.4	8.0			
	15000	KISV	2	S/F	1004.7	1006.7	5.3	10.0			
	610	LEAR	8	S	1006.0E	1006.0	1.0D	94.0			QL=4 ST=2 TYP=3
	204	IZMI	41	F	1019.0	1023.0	4.0	30.0			
	5900	KISV	22	GRF	1028.8	1031.5	17.7	12.0			
	5900	KISV	22	GRF	1028.8	1040.8		12.0			
	9300	KISV	22	GRF	1029.0	1041.1		13.0			
	9300	KISV	22	GRF	1029.0	1031.4	15.5	16.0			
	3013	IZMI	5	S	1030.0	1031.6	6.5	5.0	3.0		
	2850	CRIM	1	S	1030.1	1031.3	3.0	7.0			
	9100	GORK	45	C	1030.4	1041.0		15.0			
	9100	GORK	45	C	1030.4	1031.9	13.4	15.0			
	2950	GORK	1	S	1030.7	1032.0	2.4	6.3			
	15000	KISV	2	S/F	1037.4	1040.6	5.6	10.0			
	200	GORK	4	S/F	1051.6	1054.1	3.9	200.0			
	5900	KISV	21	GRF	1114.8	1122.5	16.8	8.0			
	9300	KISV	21	GRF	1116.7	1122.5	12.3	16.0			
	245	SGMR	8	S	1448.0E	1449.0	1.0D	62.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1448.0E	1449.0	1.0D	68.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1536.5	1537.8	4.7	23.0	11.0		
	9400	HUAN	4	S/F	1536.6	1537.6	7.7	35.5	16.8		
	9500	CUBA	29	PBI	1541.2		5.8	9.0	4.0		
	9400	HUAN	1	S	1632.5	1634.8	5.7	14.6	6.2		
	9400	HUAN	1	S	1643.5	1647.2	5.9	10.4	4.8		
	245	SGMR	8	S	1739.0E	1739.0	1.0D	58.0			QL=2 ST=2 TYP=3
	9500	CUBA	20	GRF	1742.0	1753.0	29.0	25.0	12.0		
	6700	CUBA	2	S/F	1751.5	1752.9	4.4	9.0	4.0		30L
	245	SGMR	8	S	1759.0E	1759.0	U	61.0			QL=4 ST=3 TYP=3
	6700	CUBA	2	S/F	1856.9	1857.1	2.1	13.0	6.0		36L
	6700	CUBA	2	S/F	2009.0	2010.3	2.0	13.0	6.0		68L
	610	SGMR	8	S	2033.0E	2033.0	1.0D	300.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	2046.0E	2046.0	U	380.0			QL=2 ST=2 TYP=3
	245	SGMR	8	S	2046.0E	2046.0	U	390.0			QL=4 ST=2 TYP=3

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

FEBRUARY 1991

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	245	SGMR	4	S/F	2128.0E	2130.0	3.0D	51.0			QL=2 ST=2 TYP=3
	9400	HUAN	4	S/F	2146.8	2148.6	10.8	23.0	12.1		
	9400	HUAN	4	S/F	2146.8	2154.9	10.8	25.1			
	15400	PALE	8	S	2148.0E	2148.0	1.0D	110.0			QL=4 ST=2 TYP=3
	15000	CUBA	1	S	2148.3	2148.7	0.9	101.0	50.0		25R
	6700	CUBA	2	S/F	2149.9	2150.0	7.6	26.0	13.0		16R
	9400	HUAN	3	S	2202.5	2205.6	6.7	41.8	19.8		
	9500	CUBA	2	S/F	2215.0	2215.8	2.0	96.0	48.0		
	6700	CUBA	2	S/F	2225.0	2226.0	3.0	94.0	47.0		16L
	245	LEAR	8	S	2313.0E	2313.0	U	52.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	2350.0E	2350.0	8.0D	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	2353.0E	2354.0	1.0D	57.0			QL=4 ST=2 TYP=3
19	100	GORK	44	NS	0507.0E		473.0D		5.0		
	200	GORK	44	NS	0507.0E		473.0D		5.0		
	127	TORN	44	NS	0640.0E		500.0D		30.0		V=2
	204	IZMI	43	NS	0700.0		300.0	10.0			
	245	SVTO	44	NS	0702.0E	0720.0	19.0D	72.0			QL=4 ST=2 TYP=1
	235	CUBA	44	NS	1316.0E		514.0D		21.0		
	100	HIRA	44	NS	2120.0E	0628.0	660.0D	140.0	40.0		
	200	HIRA	44	NS	2120.0E	0612.0	660.0D	48.0	26.0		ML
	100	HIRA	8	S	0008.6		1.0	1000.0D			
	245	LEAR	8	S	0038.0E	0040.0	2.0D	54.0			QL=4 ST=2 TYP=3
	2840	PEKG	22	GRF	0126.0	0133.1	22.0	22.0			
	245	LEAR	8	S	0219.0E	0220.0	2.0D	120.0			QL=4 ST=2 TYP=3
	1415	LEAR	8	S	0337.0E	0338.0	2.0D	78.0			QL=2 ST=2 TYP=3
	100	HIRA	42	SER	0438.7		4.6	1000.0D			
	500	HIRA	41	F	0439.3	0443.0	10.0	31.0			WL
	200	HIRA	42	SER	0439.6	0442.0	8.6	150.0			ML
	245	LEAR	4	S/F	0440.0E	0442.0	3.0D	140.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0446.0E	0448.0	2.0D	37.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0446.0E	0446.0	2.0D	110.0			QL=4 ST=2 TYP=3
	610	LEAR	8	S	0447.0E	0447.0	1.0D	30.0			QL=4 ST=2 TYP=3
	2840	PEKG	20	GRF	0624.0	0652.0	69.0	16.3			
	15000	KISV	2	S/F	0640.5	0641.2	2.1	22.0			
	2950	GORK	21	GRF	0658.9	1056.9	360.0	28.0			
	245	LEAR	8	S	0704.0E	0704.0	2.0D	110.0			QL=4 ST=3 TYP=3
	245	SVTO	8	S	0704.0E	0704.0	U	130.0			QL=2 ST=3 TYP=3
	5900	KISV	22	GRF	0704.5	0708.3	19.2	4.0			
	5900	KISV	22	GRF	0704.5	0724.9		4.0			
	9300	KISV	21	GRF	0716.4	0720.7	11.4	16.0			
	245	LEAR	8	S	0720.0E	0720.0	1.0D	60.0			QL=4 ST=2 TYP=3
	9100	GORK	2	S/F	0720.0	0720.6	7.0	16.0			
	15000	KISV	2	S/F	0720.2	0720.6	3.5	12.0			
	234	POTS	4	S/F	0732.2	0733.5	2.2	250.0			
	245	LEAR	8	S	0733.0E	0733.0	1.0D	140.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	0733.0E	0733.0	1.0D	140.0			QL=4 ST=3 TYP=3
	2850	CRIM	20	GRF	0758.0	0851.5	82.0	21.0	7.0		
	9300	KISV	2	S/F	0800.7	0802.7	5.3	6.0			
	200	HIRA	46	C	0804.6	0805.0	2.1	150.0U			SL SUNSET
	204	IZMI	41	F	0805.0	0806.0	7.0	200.0			
	5900	KISV	2	S/F	0805.7	0807.0	7.0	7.0			
	9300	KISV	21	GRF	0812.3	0812.9	11.7	9.0			
	9100	GORK	23	GRF	0834.2	0857.0	253.1	25.0			
	950	GORK	23	GRF	0835.4	0842.8	11.0	15.0			
	9300	KISV	23	GRF	0835.8	0859.0	177.2	26.0			
	5900	KISV	23	GRF	0836.0	0854.1	188.7	23.0			
	1470	POTS	4	S/F	0836.2	0840.0	8.8	24.0			
	650	GORK	23	GRF	0836.2	0841.2	10.7	15.0			
	1415	LEAR	8	S	0838.0E	0840.0	2.0D	31.0			QL=4 ST=2 TYP=3
	950	GORK	46	C	0839.9	0840.3	1.2	260.0			
	650	GORK	46	C	0839.9	0840.3	1.3	100.0			
	950	GORK	46	C	0839.9	0840.8		70.0			
	650	GORK	46	C	0839.9	0840.8		60.0			
	610	LEAR	8	S	0840.0E	0840.0	1.0D	99.0			QL=4 ST=2 TYP=3
	410	LEAR	8	S	0840.0E	0842.0	2.0D	28.0			QL=4 ST=2 TYP=3
	610	SVTO	8	S	0840.0E	0840.0	1.0D	92.0			QL=4 ST=2 TYP=3
	15000	KISV	21	GRF	0841.5	0854.0	26.3	23.0			
	9500	POTS	3	S	0853.7	0854.1	1.3	22.0			

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

FEBRUARY 1991

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
19	9100	GORK	2	S/F	0853.9	0854.2	0.6	35.0			
	9300	KISV	2	S/F	0853.9	0854.2	5.1	60.0			
	15000	KISV	4	S/F	0921.5	0923.2	6.3	363.0			
	15400	SVTO	8	S	0922.0E	0923.0	2.0D	350.0			QL=4 ST=2 TYP=3
	9500	POTS	3	S	0922.4	0923.2	2.6	73.0			
	9300	KISV	4	S/F	0922.6	0923.2	8.1	75.0			
	9100	GORK	3	S	0922.8	0924.2	2.4	90.0			
	5900	KISV	2	S/F	0922.9	0923.2	6.4	12.0			
	15400	LEAR	8	S	0923.0E	0923.0	U	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0923.0E	0923.0	U	17.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	0923.0E	0923.0	U	57.0			QL=4 ST=2 TYP=3
	260	ONDR	40	F	0930.0	1223.5	191.0	263.0			
	100	GORK	41	F	0953.0	1020.7		260.0			
	100	GORK	41	F	0953.0	0954.8	28.4	900.0			
	113	POTS	4	S/F	0953.7	0955.0	1.9	700.0			
	15000	KISV	2	S/F	0957.6	0957.8	3.1	12.0			
	5900	KISV	4	S/F	1012.4	1017.4	8.6	68.0			
	9100	GORK	2	S/F	1013.7	1017.3	8.1	75.0			
	2950	GORK	4	S/F	1013.8	1017.1	7.0	42.0			
	9300	KISV	4	S/F	1013.8	1017.3	8.5	78.0			
	3000	POTS	4	S/F	1013.8	1017.4	8.0	42.0			
	2850	CRIM	46	C	1013.9	1017.0	9.0	59.0	20.0		
	9500	POTS	40	F	1013.9	1017.4	7.5	46.0			
	1470	POTS	4	S/F	1014.0	1017.2	8.0	18.0			
	3013	IZMI	7	C	1014.2	1017.0	8.0	32.0			
	808	ONDR	4	S/F	1016.0	1018.3	3.6	13.0			
	950	GORK	21	GRF	1031.5	1058.0	148.3D	7.0			
	9300	KISV	2	S/F	1042.8	1045.0	4.4	28.0			
	2850	CRIM	25	R	1043.0	1057.0		20.0			
	5900	KISV	2	S/F	1043.7	1045.0	4.3	18.0			
	15000	KISV	23	GRF	1044.0	1045.2	16.5	6.0			
	9100	GORK	1	S	1044.8	1045.0	1.0	25.0			
	650	GORK	23	GRF	1045.2	1051.6	11.2	1.5			
	3013	IZMI	22	GRF	1046.0	1046.3	20.5	9.0			
	950	GORK	1	S	1046.4	1047.0	1.1	2.0			
	15000	KISV	2	S/F	1046.4	1047.4	5.2	22.0			
	650	GORK	2	S/F	1046.6	1046.7	0.5	4.0			
	536	ONDR	8	S	1049.7	1050.0	0.5	62.0			
	204	IZMI	41	F	1102.0	1102.4	6.0	18.0			
	810	KRAK	42	SER	1126.0	1126.3	3.0	35.0			
	9100	GORK	2	S/F	1211.2	1211.8	1.3	30.0			
	9500	POTS	4	S/F	1211.2	1211.8	1.4	18.0			
	200	GORK	46	C	1213.9	1224.0		390.0			
	200	GORK	46	C	1213.9	1222.9	11.5	580.0			
	100	GORK	46	C	1215.0	1223.2	12.2	7000.0			
	100	GORK	46	C	1215.0	1226.7		900.0			
	113	POTS	29	PBI	1219.0	1223.2	51.0U	2200.0			
	234	POTS	29	PBI	1220.0	1222.7	33.6	250.0			
	536	ONDR	47	GB	1220.2	1222.3	5.0	62.0			
	650	GORK	4	S/F	1220.5	1223.0	8.3	43.0			
	1470	POTS	4	S/F	1220.5	1222.8	6.5	20.0			
	127	TORN	4	S/F	1221.1	1223.0	6.0	3600.0D	410.0		
	33	UPIC	46	C	1221.3	1222.6	4.0				
	260	ONDR	47	GB	1221.5	1223.5	5.5	263.0			
	430	KRAK	4	S/F	1221.5	1222.7	3.7	142.0	25.0		
	2850	CRIM	3	S	1221.5	1222.9	5.0	100.0			
	30	POTS	4	S/F	1221.6	1223.2	3.4U	6000.0U			
	950	GORK	4	S/F	1221.8	1222.6	3.4	16.0			
	2950	GORK	4	S/F	1221.8	1222.8	4.1	75.0			
	810	KRAK	1	S	1221.8	1222.8	1.5	18.0	6.0		
	600	HUMN	2	S/F	1222.0	1223.0	4.5	28.0	12.0		
	808	ONDR	4	S/F	1222.0	1223.0	3.3	16.0			
	2695	SGMR	8	S	1222.0E	1222.0	2.0D	85.0			QL=2 ST=2 TYP=3
	245	SGMR	4	S/F	1222.0E	1224.0	4.0D	260.0			QL=2 ST=2 TYP=5
	4995	SGMR	8	S	1222.0E	1222.0	2.0D	60.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1222.0E	1222.0	1.0D	90.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	1222.0E	1222.0	2.0D	81.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1222.0E	1222.0	2.0D	140.0			QL=4 ST=2 TYP=3
	2695	SVTO	8	S	1222.0E	1222.0	2.0D	84.0			QL=4 ST=2 TYP=3

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
19	245	SVTO	4	S/F	1222.0E	1225.0	5.0D	440.0			QL=4 ST=2 TYP=5
	3000	POTS	4	S/F	1222.0U	1223.0U	4.0U	83.0			
	9500	POTS	4	S/F	1222.1	1223.0	2.4	15.0			
	430	KRAK	42	SER	1235.7	1236.8	2.0	75.0			
	3000	POTS	3	S	1339.0U	1340.2U	2.0U	8.0			
	1470	POTS	3	S	1339.6	1340.0	1.4	8.0			
	2850	CRIM	1	S	1339.6	1340.1	1.0	7.0	2.0		
	6700	CUBA	21	GRF	1513.0	1522.0	39.0	9.0	4.0		29L
	9400	HUAN	1	S	1527.8	1531.5	9.8	8.9	3.6		
	9500	CUBA	1	S	1531.1	1531.9	3.1	7.0	3.0		
	6700	CUBA	1	S	1531.2	1531.8	1.3	5.0	2.0		92L
	6700	CUBA	2	S/F	1543.5	1545.0	5.5	9.0	4.0		12L
	9400	HUAN	23	GRF	1758.3	1923.5	158.0	26.7	12.8		
	245	PALE	8	S	1802.0E	1802.0	U	86.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1809.9	1812.9	4.1	34.0	17.0		
	9400	HUAN	3	S	1811.5	1812.6	3.1	49.9	26.1		
	2695	PALE	8	S	1812.0E	1813.0	1.0D	47.0			QL=4 ST=2 TYP=3
	610	PALE	49	GB	1812.0E	1813.0	1.0D	3700.0			QL=4 ST=2 TYP=6
	4995	PALE	8	S	1812.0E	1812.0	1.0D	68.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	1812.0E	1813.0	1.0D	42.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1812.0E	1813.0	2.0D	120.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1812.0E	1813.0	3.0D	190.0			QL=2 ST=2 TYP=3
	2695	SGMR	8	S	1812.0E	1813.0	1.0D	45.0			QL=4 ST=2 TYP=3
	2800	OTTA	4	S/F	1812.4	1813.2	5.6	51.1	10.0		
	410	SGMR	49	GB	1813.0E	1813.0	2.0D	570.0			QL=4 ST=2 TYP=6
	410	PALE	8	S	1816.0E	1817.0	1.0D	50.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	1952.0E	1953.0	3.0D	69.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	1953.0E	1953.0	U	46.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1953.0E	1953.0	2.0D	58.0			QL=2 ST=2 TYP=3
	410	SGMR	8	S	1953.0E	1953.0	2.0D	47.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	2008.0	2009.8	4.4	12.5	5.6		
	6700	CUBA	2	S/F	2151.2	2153.9	4.8	11.0	5.0		33L
	9400	HUAN	45	C	2152.0	2203.6	28.5	49.0	23.4		
	2695	PENT	20	GRF	2154.0	2159.5	59.0	39.2	16.0		
	4995	PALE	4	S/F	2155.0E	2159.0	14.0D	92.0			QL=4 ST=2 TYP=5
	8800	PALE	4	S/F	2156.0E	2205.0	13.0D	36.0			QL=4 ST=2 TYP=3
	2695	PALE	8	S	2158.0E	2159.0	2.0D	45.0			QL=4 ST=2 TYP=3
	15400	PALE	4	S/F	2159.0E	2159.0	11.0D	29.0			QL=4 ST=2 TYP=3
	245	PALE	4	S/F	2210.0E	2212.0	3.0D	140.0			QL=4 ST=2 TYP=3
20	200	GORK	44	NS	0503.0E		477.0D		5.0		
	100	GORK	44	NS	0503.0E		477.0D		10.0		
	234	POTS	44	NS	0620.0E	0844.0	524.0D	65.0			
	113	POTS	44	NS	0620.0E	0841.5	522.0D	80.0			
	127	TORN	44	NS	0640.0E		480.0D		140.0		V=1
	204	IZMI	43	NS	0700.0		300.0	20.0			
	245	SVTO	44	NS	0843.0E	1013.0U	444.0D	130.0			QL=4 ST=2 TYP=1
	260	ONDR	44	NS	1000.0E	1206.0	140.0D	102.0			
	235	CUBA	44	NS	1316.0E		509.0D		34.0		
	280	CUBA	44	NS	1316.0E		509.0D		37.0		
	245	SGMR	44	NS	1637.0E	1916.0	322.0D	170.0			QL=2 ST=2 TYP=1
	200	HIRA	44	NS	2119.0E	2213.0	660.0D	21.0	7.0		ML
	200	HIRA	42	SER	0039.3	0040.3	63.0	55.0			SL
	245	LEAR	8	S	0132.0E	0133.0	1.0D	90.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0146.0E	0147.0	1.0D	210.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	0147.0E	0147.0	U	230.0			QL=4 ST=2 TYP=3
	200	HIRA	42	SER	0219.8	0220.5	66.0	280.0			SL
	8800	LEAR	8	S	0330.0E	0330.0	1.0D	57.0			QL=2 ST=2 TYP=3
	4995	LEAR	8	S	0330.0E	0330.0	1.0D	38.0			QL=2 ST=2 TYP=3
	4995	PALE	8	S	0330.0E	0330.0	1.0D	54.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	0330.0E	0330.0	1.0D	40.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0602.0E	0603.0	2.0D	63.0			QL=2 ST=2 TYP=3
	245	LEAR	20	GRF	0610.0E	0611.0	6.0D	89.0			QL=2 ST=2 TYP=2
	950	GORK	4	S/F	0654.4	0654.8	1.3	16.0			
	650	GORK	4	S/F	0654.7	0655.2	1.7	14.0			
	5900	KISV	22	GRF	0655.7	0656.8	9.5	6.0			
	9300	KISV	2	S/F	0656.6	0656.9	1.7	5.0			
	9100	GORK	22	GRF	0721.3	0740.3	236.7				
	9300	KISV	22	GRF	0721.7	0740.0	38.8	25.0			

SOLAR RADIO EMISSION
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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
20	5900	KISV	22	GRF	0721.8	0735.5	39.0	13.0			
	1415	LEAR	8	S	0729.0E	0729.0	U	13.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0729.0E	0730.0	1.0D	99.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0730.0E	0730.0	U	11.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	0730.0E	0730.0	U	72.0			QL=2 ST=2 TYP=3
	15000	KISV	22	GRF	0735.2	0735.8	26.2	11.0			
	245	SVTO	8	S	0747.0E	0749.0	2.0D	61.0			QL=4 ST=2 TYP=3
	2950	GORK	20	GRF	0747.0	0935.2	255.0	10.0			
	2850	CRIM	1	S	0747.1	0747.5	1.0	13.0	2.0		
	2840	PEKG	1	S	0747.6	0747.8	2.2	12.7			
	245	LEAR	8	S	0748.0E	0749.0	2.0D	59.0			QL=2 ST=2 TYP=3
	950	GORK	4	S/F	0749.3	0750.8	2.1	10.0			
	5900	KISV	2	S/F	0810.2	0810.7	7.3	10.0			
	9300	KISV	1	S	0810.2	0810.7	1.0	16.0			
	15000	KISV	1	S	0810.2	0810.7	0.9	8.0			
	5900	KISV	22	GRF	0825.3	0832.9	19.5	13.0			
	650	GORK	20	GRF	0827.7	0843.8	24.4	15.0			
	600	HUMN	27	RF	0829.0	0843.0	20.0	8.0	4.0		
	430	KRAK	45	C	0829.2	0844.0	23.5	22.0	13.0		
	950	GORK	20	GRF	0831.0	0843.8	16.5	14.0			
	9300	KISV	21	GRF	0846.0	0849.8	19.2	11.0			
	5900	KISV	22	GRF	0849.7	0859.2	15.7	11.0			
	245	SVTO	8	S	0857.0E	0857.0	2.0D	200.0			QL=2 ST=3 TYP=3
	650	GORK	20	GRF	0858.4	0900.8	8.3	2.0			
	950	GORK	20	GRF	0859.2	0900.8	11.7	3.0			
	5900	KISV	21	GRF	0931.4	0935.2	17.8	8.0			
	15000	KISV	1	S	0943.1	0943.4	0.9	6.0			
	9300	KISV	2	S/F	1000.4	1003.0	8.4	12.0			
	5900	KISV	20	GRF	1000.4	1001.9	10.7	12.0			
	9500	POTS	2	S/F	1000.6	1003.0	4.4	9.0			
	245	LEAR	8	S	1012.0E	1013.0	1.0D	83.0			QL=2 ST=2 TYP=3
	245	LEAR	8	S	1017.0E	1017.0	U	53.0			QL=2 ST=2 TYP=3
	9300	KISV	23	GRF	1053.9	1112.5	30.7	13.0			
	9500	POTS	4	S/F	1108.4	1109.0	2.2	13.0			
	9300	KISV	45	C	1108.7	1109.2	2.8	13.0			
	9300	KISV	45	C	1108.7	1109.6		11.0			
	234	POTS	42	SER	1121.6	1121.7	3.6	3700.0			
	5900	KISV	20	GRF	1148.7	1152.8	10.9	8.0			
	9400	HUAN	1	S	1149.8	1151.5	3.8	8.0	3.2		
	9300	KISV	2	S/F	1151.5	1152.0	2.0	4.0			
	33	UPIC	46	C	1225.0	1225.5	2.1				
	9400	HUAN	1	S	1300.2	1302.6	5.9	14.0	6.2		
	9500	POTS	4	S/F	1302.2	1302.6	1.6	11.0			
	9400	HUAN	1	S	1308.8	1311.8	6.2	12.0	5.4		
	9400	HUAN	1	S	1317.7	1318.6	3.1	10.0	4.6		
	9400	HUAN	2	S/F	1540.6	1543.2	8.2	16.6	7.4		
	9400	HUAN	2	S/F	1807.3	1811.0	6.4	7.1	3.8		
	2800	OTTA	20	GRF	1911.0	1927.0	74.0	15.7	7.0		
	9400	HUAN	20	GRF	1918.0	1935.0U	80.2	16.0	6.9		
	9400	HUAN	21	GRF	2038.1	2057.8	56.9	6.3	3.8		
	9500	CUBA	2	S/F	2047.0	2048.2	24.0	20.0	10.0		
	9400	HUAN	3	S	2047.6	2049.4	5.7	40.9	18.4		
	2800	OTTA	20	GRF	2048.0	2049.0	13.0	14.1	6.0		
	4995	SGMR	8	S	2048.0E	2049.0	2.0D	50.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	2231.8	2237.0	8.1	6.2	2.8		
21	200	GORK	43	NS	0506.0		474.0D		5.0		
	235	CUBA	44	NS	1236.0E		524.0D		22.0		
	127	TORN	43	NS	1334.0		86.0		4.0		V=1
	280	CUBA	44	NS	1336.0E		524.0D		30.0		
	200	HIRA	44	NS	2118.0E	2246.0	660.0D	31.0	18.0		ML
	500	HIRA	41	F	0339.0	0400.5	45.0	11.0			O
	9100	GORK	23	GRF	0542.3U	1008.0	327.3D	30.0			
	2950	GORK	20	GRF	0606.0U	0843.1	305.0D	13.6			
	2840	PEKG	20	GRF	0614.0	0634.0	80.0	35.1			
	9300	KISV	21	GRF	0618.7	0624.2	14.2	8.0			
	5900	KISV	21	GRF	0620.0	0621.4	16.8	5.0			
	15000	KISV	2	S/F	0633.6	0634.6	4.0	14.0			
	9300	KISV	2	S/F	0723.0	0723.7	1.5	4.0			

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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
21	9300	KISV	2	S/F	0732.6	0733.8	4.8	6.0			
	2840	PEKG	22	GRF	0738.0	0740.8	10.0	8.1			
	9300	KISV	45	C	0738.7	0740.6	5.4	14.0			
	9300	KISV	45	C	0738.7	0739.9		11.0			
	5900	KISV	45	C	0739.2	0740.0	5.2	8.0			
	5900	KISV	45	C	0739.2	0740.7		6.0			
	5900	KISV	46	C	0806.5	0809.4		11.0			
	5900	KISV	46	C	0806.5	0811.6		20.0			
	5900	KISV	46	C	0806.5	0818.6	18.2	24.0			
	9300	KISV	22	GRF	0806.7	0818.5	23.5	21.0			
	15000	KISV	4	S/F	0807.7	0811.3	11.1	48.0			
	5900	KISV	22	GRF	0838.5	0842.8	20.0	13.0			
	9300	KISV	22	GRF	0839.4	0851.4	17.6	16.0			
	5900	KISV	22	GRF	0901.5	0904.0	22.8	10.0			
	9300	KISV	23	GRF	0902.2	0903.6	21.1	15.0			
	5900	KISV	23	GRF	0944.5	1008.3	75.8	46.0			
	9300	KISV	22	GRF	0946.0	1005.2	53.3	28.0			
	5900	KISV	2	S/F	0950.3	0951.5	6.3	18.0			
	15000	KISV	22	GRF	1003.6	1005.2	17.8	22.0			
	9500	POTS	23	GRF	1003.8	1005.2	16.2	19.0			
	9500	POTS	4	S/F	1022.0	1023.4	2.7	30.0			
	5900	KISV	4	S/F	1048.6	1053.7	9.8	43.0			
	9300	KISV	23	GRF	1051.0	1057.0	14.6	9.0			
	9300	KISV	4	S/F	1051.8	1053.7	5.2	58.0			
	9100	GORK	2	S/F	1051.9	1053.6	5.7	40.0			
	15000	KISV	2	S/F	1053.5	1053.7	1.7	15.0			
	127	TORN	45	C	1111.2	1112.7	3.0	160.0	15.0		
	410	SVTO	8	S	1112.0E	1112.0	1.0D	88.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1112.0E	1112.0	1.0D	120.0			QL=4 ST=2 TYP=3
	536	ONDR	4	S/F	1112.4	1112.8	1.5	28.0			
	430	KRAK	8	S	1112.5	1113.0	1.3	170.0			
	260	ONDR	42	SER	1112.5	1113.2	53.7	159.0			
	204	IZMI	5	S	1113.0	1113.3	1.0	250.0			
	9400	HUAN	23	GRF	1212.4	1252.2	96.0	17.8	6.4		
	9400	HUAN	4	S/F	1238.2	1243.2	7.9	51.5	26.4		
	9100	GORK	2	S/F	1240.5	1242.8	4.2	45.0			
	9500	POTS	4	S/F	1242.0E	1243.0	2.8D	32.0			
	9500	POTS	22	GRF	1310.6	1315.1	24.4	27.0			
	9400	HUAN	4	S/F	1311.1	1315.1	14.3	23.8	14.2		
	536	ONDR	42	SER	1334.8	1337.5	7.2	94.0			
	410	SGMR	4	S/F	1337.0E	1341.0	5.0D	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1337.0E	1337.0	1.0D	31.0			QL=4 ST=2 TYP=3
	610	SGMR	4	S/F	1337.0E	1338.0	5.0D	92.0			QL=4 ST=2 TYP=3
	430	KRAK	42	SER	1338.0	1339.1	4.5	180.0			
	410	SVTO	8	S	1341.0E	1341.0	U	81.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1436.0E	1436.0	1.0D	79.0			QL=4 ST=3 TYP=3
	245	SVTO	8	S	1436.0E	1437.0	1.0D	74.0			QL=4 ST=2 TYP=3
	6700	CUBA	21	GRF	1445.0	1447.0	9.0	14.0	7.0		28L
	8800	SGMR	8	S	1445.0E	1445.0	U	31.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1445.0E	1445.0	U	24.0			QL=4 ST=2 TYP=3
	9500	POTS	3	S	1445.0	1445.4	0.8	13.0			
	15000	CUBA	1	S	1445.1	1445.5	0.8	10.0	5.0		29R
	3000	POTS	4	S/F	1445.2	1445.5	1.3	21.0			
	6700	CUBA	1	S	1445.3	1445.4	0.7	13.0	6.0		42L
	4995	SGMR	8	S	1446.0E	1446.0	U	24.0			QL=4 ST=2 TYP=3
	6700	CUBA	3	S	1546.0	1557.0	11.0	12.0	6.0		25L
	15000	CUBA	1	S	1551.8	1554.5	3.6	16.0	8.0		00R
	410	SGMR	8	S	1552.0E	1552.0	U	47.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1552.0E	1552.0	U	350.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1552.0E	1552.0	1.0D	250.0			QL=4 ST=2 TYP=3
	410	SVTO	8	S	1552.0E	1552.0	U	43.0			QL=4 ST=2 TYP=3
	9400	HUAN	3	S	1553.7	1556.3	8.5	21.8	10.4		
	6700	CUBA	1	S	1554.2	1554.3	0.5	8.0	4.0		00L
	245	SGMR	8	S	1703.0E	1703.0	1.0D	490.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1703.0E	1703.0	1.0D	43.0			QL=4 ST=2 TYP=3
	245	PALE	8	S	1743.0E	1743.0	U	190.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1743.0E	1743.0	U	250.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	1800.3	1802.4	7.7	4.0	1.8		
	9400	HUAN	2	S/F	1826.2	1828.1	7.0	9.9	4.4		

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
21	245	PALE	8	S	1928.0E	1928.0	U	140.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1928.0E	1928.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1939.0E	1939.0	1.0D	65.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	2021.5	2023.7	65.7	11.9	6.2		
	9400	HUAN	1	S	2053.3	2101.0	14.8	12.9	5.8		
	9400	HUAN	1	S	2154.3	2157.1	6.1	7.9	3.2		
	245	PALE	8	S	2358.0E	2358.0	1.0D	230.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	2358.0E	2358.0	1.0D	65.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	2359.0	2532.5	118.0	9.0			WL
22	100	HIRA	43	NS	0000.0	0626.0	490.0D	45.0	18.0		
	100	GORK	44	NS	0459.0E		481.0D		10.0		
	200	GORK	44	NS	0459.0E		481.0D		5.0		
	113	POTS	44	NS	0615.0E	1342.5	528.0D	550.0			
	127	TORN	44	NS	0640.0E		50.0D		210.0		V=1
	204	IZMI	43	NS	0700.0		300.0	7.0			
	235	CUBA	44	NS	1401.0E		467.0D		53.0		
	280	CUBA	44	NS	1401.0E		467.0D		50.0		
	245	SGMR	44	NS	1857.0E	1901.0	303.0D	62.0			QL=2 ST=3 TYP=1
	100	HIRA	44	NS	2117.0E	2246.0	660.0D	135.0	62.0		
	200	HIRA	44	NS	2117.0E	2310.0	660.0D	130.0	57.0		MR
	200	HIRA	41	F	0033.7	0037.3	6.6	150.0			SL
	100	HIRA	46	C	0153.9	0154.3U	1.3	1000.0D			
	245	PALE	8	S	0321.0E	0321.0	U	78.0			QL=4 ST=2 TYP=3
	500	HIRA	42	SER	0517.5	0521.0	3.5	220.0			MR
	200	HIRA	42	SER	0519.8	0521.1	133.0	440.0			SL
	245	LEAR	8	S	0520.0E	0520.0	1.0D	51.0			QL=2 ST=2 TYP=3
	9300	KISV	2	S/F	0610.1	0611.2	5.3	7.0			
	9300	KISV	22	GRF	0626.0	0629.2	27.3	9.0			
	5900	KISV	22	GRF	0626.9	0629.9	40.7	13.0			
	5900	KISV	22	GRF	0718.0	0727.6	28.8	9.0			
	245	LEAR	8	S	0723.0E	0725.0	2.0D	57.0			QL=2 ST=2 TYP=3
	245	SVTO	8	S	0725.0E	0725.0	U	150.0			QL=4 ST=2 TYP=3
	9300	KISV	2	S/F	0746.5	0748.2	6.5	14.0			
	9100	GORK	2	S/F	0747.4	0748.0	2.1	13.0			
	9500	POTS	4	S/F	0747.6	0748.0	2.0	11.0			
	5900	KISV	23	GRF	0804.4	0854.5	112.5	25.0			
	9100	GORK	23	GRF	0812.0	0857.0	195.0	15.0			
	9300	KISV	23	GRF	0812.7	0821.2	115.8	13.0			
	9500	POTS	40	F	0815.0	0820.6	20.0	15.0			
	9300	KISV	46	C	0815.2	0819.0	9.3	25.0			
	9100	GORK	2	S/F	0815.2	0818.1	8.8	20.0			
	9300	KISV	46	C	0815.2	0818.1		23.0			
	9300	KISV	46	C	0815.2	0820.7		24.0			
	204	IZMI	4	S/F	0846.4	0846.6	0.5	180.0			
	2950	GORK	20	GRF	0849.5	1048.1	228.8	13.6			
	2850	CRIM	20	GRF	0849.6	0851.5	11.0	7.0	2.0		
	9100	GORK	46	C	0904.9	0918.2		33.0			
	9100	GORK	46	C	0904.9	0924.8		60.0			
	9100	GORK	46	C	0904.9	0907.8	31.1	20.0			
	9500	POTS	42	SER	0905.0	0924.8	19.8	41.0			
	5900	KISV	4	S/F	0905.1	0906.6	11.6	49.0			
	9300	KISV	2	S/F	0906.9	0907.6	5.0	16.0			
	9300	KISV	2	S/F	0915.7	0918.1	6.6	27.0			
	5900	KISV	4	S/F	0922.6	0924.9	11.4	53.0			
	9300	KISV	4	S/F	0923.0	0924.9	9.7	55.0			
	430	KRAK	8	S	0953.5	0953.7	0.5	23.0			
	260	ONDR	40	F	1000.0	1051.7	170.0	53.0			
	234	POTS	25	R	1140.0	1415.5	219.0D	70.0			
	234	POTS	4	S/F	1338.5	1339.3	3.0	300.0			
	245	SGMR	8	S	1339.0E	1339.0	1.0D	240.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1339.0E	1339.0	U	240.0			QL=4 ST=2 TYP=3
	9400	HUAN	20	GRF	1415.2	1427.8	29.1	10.5	4.8		
	6700	CUBA	20	GRF	1442.0	1444.0	24.0	8.0	4.0		23L
	808	ONDR	8	S	1451.0	1451.0	1.6	44.0			
	6700	CUBA	2	S/F	1853.0	1855.5	7.0	10.0	5.0		40L
	9400	HUAN	4	S/F	2012.5	2014.0	4.9	21.0	10.4		
	9400	HUAN	1	S	2026.4	2031.4	13.8	12.6	6.8		
	9400	HUAN	2	S/F	2045.0	2048.0	6.3	10.5	4.6		

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

FEBRUARY 1991

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
22	100	HIRA	42	SER	2117.0E	2121.8	99.0D	1000.0D			
	2695	PENT	20	GRF	2304.0	2306.0	42.0	21.7	10.0		
23	245	LEAR	44	NS	0437.0E	0437.0	D	64.0			QL=2 ST=2 TYP=1
	200	GORK	44	NS	0457.0E		393.0D		5.0		
	100	GORK	44	NS	0457.0E		393.0D		5.0		
	113	POTS	44	NS	0610.0E	0743.0	503.0D	150.0			
	234	POTS	44	NS	0610.0E	0734.0U	516.0D	65.0U			
	127	TORN	44	NS	0640.0E		50.0D		170.0		V=2
	204	IZMI	43	NS	0700.0		300.0	50.0			
	235	CUBA	44	NS	1316.0E		323.0D		28.0		
	280	CUBA	44	NS	1316.0E		524.0D		30.0		
	200	HIRA	44	NS	2116.0E	0720.0	660.0D	33.0	22.0		MR
	100	HIRA	42	SER	0129.0	0131.7	3.6	410.0			
	2840	PEKG	5	S	0231.0	0234.6	11.0	6.8			
	4995	PALE	20	GRF	0233.0E	0234.0	13.0D	52.0			QL=4 ST=2 TYP=2
	200	HIRA	42	SER	0236.3	0254.8	19.8	280.0			MR
	100	GORK	41	F	0521.6	0550.0		530.0			
	100	GORK	41	F	0521.6	0522.0	29.0	530.0			
	2840	PEKG	20	GRF	0526.0	0528.0	96.0	9.6			
	100	HIRA	46	C	0544.9	0548.1	5.3	440.0			
	245	LEAR	8	S	0628.0E	0628.0	1.0D	98.0			QL=2 ST=2 TYP=3
	100	HIRA	42	SER	0629.0	0637.0	40.0	360.0			
	4995	LEAR	8	S	0657.0E	0657.0	2.0D	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0657.0E	0657.0	2.0D	150.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	0657.0E	0658.0	1.0D	120.0			QL=2 ST=2 TYP=3
	2950	GORK	1	S	0657.2	0658.0	2.6	4.5			
	9300	KISV	4	S/F	0657.4	0658.2	3.6	52.0			
	5900	KISV	4	S/F	0657.5	0658.2	4.5	104.0			
	9100	GORK	3	S	0657.6	0658.0	2.9	165.0			
	15000	KISV	4	S/F	0657.8	0657.9	2.4	72.0			
	5900	KISV	2	S/F	0702.7	0703.9	6.3	6.0			
	2950	GORK	21	GRF	0724.3	0752.2	92.7	11.0			
	200	GORK	41	F	0737.9	0838.4		200.0			
	200	GORK	41	F	0737.9	0745.5		150.0			
	200	GORK	41	F	0737.9	0738.5	61.1	180.0			
	5900	KISV	2	S/F	0738.8	0741.0	4.7	8.0			
	5900	KISV	23	GRF	0738.8	0808.3	81.2	58.0			
	100	HIRA	42	SER	0738.9	0748.4	22.4	540.0			
	100	GORK	41	F	0739.0	0740.0	82.5	930.0			
	100	GORK	41	F	0739.0	0831.7		800.0			
	100	GORK	41	F	0739.0	0752.9		2500.0			
	5900	KISV	4	S/F	0744.7	0747.5	6.8	135.0			
	9300	KISV	23	GRF	0745.5	0757.1	74.5	13.0			
	8800	LEAR	4	S/F	0746.0E	0747.0	6.0D	66.0			QL=2 ST=2 TYP=3
	4995	LEAR	4	S/F	0746.0E	0747.0	13.0D	100.0			QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0746.0E	0747.0	13.0D	110.0			QL=2 ST=2 TYP=3
	8800	SVTO	4	S/F	0746.0E	0747.0	10.0D	77.0			QL=2 ST=2 TYP=3
	2850	CRIM	1	S	0746.0	0747.5	9.0	16.0	5.0		
	9300	KISV	4	S/F	0746.2	0748.6	10.0	72.0			
	2950	GORK	3	S	0746.2	0747.9	4.7	16.6			
	3000	POTS	29	PBI	0746.3	0747.6	8.7	24.0			
	9100	GORK	2	S/F	0746.5	0748.0	14.1	60.0			
	15000	KISV	23	GRF	0746.5	0752.8	13.5	7.0			
	9500	POTS	29	PBI	0746.6	0747.5	11.2	45.0			
	15000	KISV	2	S/F	0746.6	0747.6	6.2	37.0			
	15400	LEAR	8	S	0747.0E	0747.0	1.0D	31.0			QL=4 ST=2 TYP=3
	5900	KISV	4	S/F	0817.7	0820.1	4.7	15.0			
	430	KRAK	8	S	0830.8	0831.0	0.5	54.0			
	260	ONDR	42	SER	0942.0	1115.3	203.0	39.0			
	9300	KISV	23	GRF	0947.7	0957.1	41.5	9.0			
	9100	GORK	46	C	0948.4	0954.0		20.0			
	9100	GORK	46	C	0948.4	1005.2		20.0			
	9100	GORK	46	C	0948.4	0949.6	25.6	13.0			
	9300	KISV	2	S/F	0948.5	0949.7	3.9	13.0			
	5900	KISV	2	S/F	0948.7	0949.7	4.0	10.0			
	9300	KISV	2	S/F	0952.7	0954.0	3.8	15.0			
	5900	KISV	2	S/F	0953.3	0954.0	3.3	13.0			
	5900	KISV	45	C	1001.8	1005.2	10.2	14.0			

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

FEBRUARY 1991

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	5900	KISV	45	C	1001.8	1002.7		13.0			
	9300	KISV	45	C	1002.0	1005.2	9.9	18.0			
	9300	KISV	45	C	1002.0	1002.7		13.0			
	9500	POTS	40	F	1002.5	1005.6	6.3	17.0			
	5900	KISV	2	S/F	1124.4	1124.9	2.8	10.0			
	204	IZMI	4	S/F	1137.0	1137.5	1.0	250.0			
	245	SGMR	8	S	1444.0E	1444.0	U	61.0			QL=4 ST=3 TYP=3
	9400	HUAN	4	S/F	1624.8	1627.0	5.4	56.5	22.6		
	8800	SGMR	8	S	1625.0E	1626.0	2.0D	61.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1625.0E	1626.0	2.0D	34.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1625.0E	1627.0	2.0D	47.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1625.0E	1629.0	5.0D	28000.0			QL=2 ST=2 TYP=7
	2800	OTTA	3	S	1625.1	1627.1	6.9	31.7	9.0		
	9500	CUBA	2	S/F	1625.4	1627.0	4.6	45.0	22.0		
	410	SGMR	8	S	1626.0E	1628.0	2.0D	100.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1626.0E	1626.0	1.0D	29.0			QL=4 ST=2 TYP=3
	9500	CUBA	29	PBI	1630.0		9.5	8.0	4.0		
	245	PALE	4	S/F	1814.0E	1815.0	346.0D	71.0			QL=4 ST=1 TYP=3
	245	PALE	8	S	1815.0E	1815.0	1.0D	71.0			QL=4 ST=2 TYP=3
	9400	HUAN	21	GRF	2121.3	2150.0	67.5	10.5	4.4		
	9400	HUAN	4	S/F	2159.5	2201.3	6.5	125.7	54.2		
	15400	PALE	8	S	2201.0E	2201.0	1.0D	48.0			QL=4 ST=2 TYP=3
	8800	PALE	8	S	2201.0E	2201.0	1.0D	95.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	2201.0	2201.9	1.2	82.0	41.0		
24	100	GORK	44	NS	0454.0E		396.0D		5.0		
	200	GORK	44	NS	0454.0E		396.0D		5.0		
	127	TORN	44	NS	0540.0E		50.0D		30.0		V=2
	113	POTS	44	NS	0620.0E	0937.0	497.0D	40.0			
	234	POTS	44	NS	0658.0E	U	459.0D				
	204	IZMI	43	NS	0700.0		300.0	20.0			
	200	HIRA	44	NS	2115.0E	0124.0	600.0D	10.0	5.0		MR
	245	LEAR	8	S	0121.0E	0122.0	2.0D	64.0			QL=2 ST=2 TYP=3
	610	LEAR	8	S	0303.0E	0304.0	1.0D	71.0			QL=2 ST=2 TYP=3
	610	PALE	8	S	0303.0E	0304.0	1.0D	110.0			QL=4 ST=2 TYP=3
	500	HIRA	8	S	0303.9	0304.0	0.8	430.0			O
	410	LEAR	8	S	0304.0E	0304.0	U	200.0			QL=2 ST=2 TYP=3
	410	PALE	8	S	0304.0E	0304.0	U	290.0			QL=4 ST=2 TYP=3
	2840	PEKG	45	C	0317.0	0324.3	28.0	31.6			
	4995	LEAR	4	S/F	0324.0E	0324.0	4.0D	110.0			QL=2 ST=2 TYP=3
	2695	PALE	8	S	0324.0E	0324.0	1.0D	27.0			QL=4 ST=2 TYP=3
	4995	PALE	4	S/F	0324.0E	0325.0	6.0D	140.0			QL=4 ST=2 TYP=3
	8800	PALE	4	S/F	0324.0E	0325.0	3.0D	58.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0351.0E	0351.0	1.0D	65.0			QL=4 ST=2 TYP=3
	5900	KISV	4	S/F	0648.1	0650.0	3.5	25.0			
	5900	KISV	29	PBI	0648.1	0651.6	12.2	9.0			
	127	TORN	4	S/F	0649.0	0650.0	2.5	1200.0	180.0		
	2950	GORK	1	S	0830.6	0831.7	1.7	7.8			
	5900	KISV	4	S/F	0830.9	0831.5	2.4	22.0			
	9100	GORK	1	S	0830.9	0831.7	1.5	12.0			
	9300	KISV	2	S/F	0831.0	0831.5	2.0	14.0			
	5900	KISV	20	GRF	0842.6	0845.4	13.0	12.0			
	245	SVTO	49	GB	0903.0E	0904.0	1.0D	1000.0			QL=4 ST=2 TYP=6
	245	LEAR	49	GB	0904.0E	0904.0	U	730.0			QL=2 ST=2 TYP=6
	260	ONDR	40	F	0941.0	1029.3	116.0	325.0			
	430	KRAK	8	S	0951.7	0952.2	0.8	52.0			
	204	IZMI	5	S	1005.0	1005.2	0.3	200.0	100.0		
	430	KRAK	8	S	1033.0	1033.4	0.5	118.0			
	2850	CRIM	20	GRF	1101.5	1107.0	8.0	6.0	2.0		
	204	IZMI	5	S	1122.4	1122.6	0.7	800.0	700.0		
	9300	KISV	23	GRF	1134.4	1137.8	19.6	7.0			
	5900	KISV	23	GRF	1134.5	1137.9	24.3	10.0			
	3000	POTS	4	S/F	1136.0U	1140.0	7.0U	18.0			
	9300	KISV	2	S/F	1138.5	1140.0	3.5	17.0			
	5900	KISV	4	S/F	1138.7	1140.0	4.5	22.0			
	2850	CRIM	1	S	1139.0	1140.0	2.0	11.0	3.0		
	9500	POTS	4	S/F	1139.3	1140.0	1.9	11.0			
	536	ONDR	42	SER	1333.7	1334.1	2.5	54.0			
	9400	HUAN	4	S/F	1605.6	1607.5	7.7	68.8	29.6		

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

FEBRUARY 1991

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
24	15400	SGMR	8	S	1607.0E	1607.0	1.0D	85.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1607.0E	1607.0	U	76.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1607.0E	1607.0	U	52.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1607.2	1607.9	3.0	39.0	10.0		POL OFF
	15000	CUBA	2	S/F	1607.3	1607.8	5.0	53.0	27.0		POL OFF
	2800	OTTA	4	S/F	1607.3	1608.8	5.7	20.5	4.0		
	2800	OTTA	22	GRF	1623.5	1649.0	68.0	14.6	6.0		
	9400	HUAN	2	S/F	1645.6	1648.5	8.8	21.7	9.8		
	245	SGMR	8	S	1648.0E	1648.0	U	190.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1648.0E	1648.0	U	31.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1648.0E	1648.0	U	300.0			QL=4 ST=2 TYP=3
	6700	CUBA	2	S/F	1648.1	1648.6	2.9	18.0	9.0		POL OFF
	8800	PALE	4	S/F	1842.0E	1844.0	3.0D	49.0			QL=4 ST=2 TYP=3
	9400	HUAN	4	S/F	1842.6	1844.0	3.7	32.6	14.6		
	15400	PALE	8	S	1843.0E	1844.0	1.0D	36.0			QL=4 ST=2 TYP=3
	9400	HUAN	21	GRF	2119.4	2145.0	43.5	14.5	6.4		
	610	SGMR	8	S	2130.0E	2131.0	1.0D	380.0			QL=4 ST=2 TYP=3
	9400	HUAN	45	C	2130.4	2131.5	6.6	132.1	51.4		
	610	PALE	8	S	2131.0E	2131.0	1.0D	260.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	2131.0E	2131.0	3.0D	100.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	2131.0E	2131.0	U	81.0			QL=4 ST=2 TYP=3
	1415	PALE	20	GRF	2131.0E	2133.0	33.0D	74.0			QL=2 ST=2 TYP=2
	15000	CUBA	45	C	2131.1	2131.8	5.7	120.0	37.0		POL OFF
	6700	CUBA	46	C	2131.1	2131.9	6.1	48.0			
	2800	OTTA	4	S/F	2131.4	2131.9	4.9	24.9	7.0		
	410	PALE	8	S	2132.0E	2133.0	1.0D	130.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	2132.0E	2132.0	1.0D	180.0			QL=2 ST=2 TYP=3
	4995	PALE	8	S	2133.0E	2133.0	1.0D	59.0			QL=4 ST=2 TYP=3
	2695	PALE	20	GRF	2133.0E	2133.0	31.0D	55.0			QL=2 ST=2 TYP=2
25	204	IZMI	43	NS	0700.0		120.0	10.0			
	127	TORN	43	NS	0742.0	0822.0	390.0	200.0	4.0		V=1
	9100	GORK	3	S	0503.0	0503.8	3.0	35.0			
	245	LEAR	8	S	0527.0E	0527.0	2.0D	130.0			QL=2 ST=2 TYP=3
	500	HIRA	42	SER	0624.0	0625.8	2.4	49.0			O
	9300	KISV	2	S/F	0624.5	0626.7	6.5	8.0			
	5900	KISV	2	S/F	0625.1	0626.7	7.4	13.0			
	9300	KISV	1	S	0656.3	0656.6	0.7	10.0			
	245	LEAR	49	GB	0657.0E	0657.0	U	880.0			QL=2 ST=2 TYP=6
	245	SVTO	49	GB	0657.0E	0657.0	U	1100.0			QL=4 ST=2 TYP=6
	410	SVTO	8	S	0657.0E	0657.0	U	59.0			QL=4 ST=2 TYP=3
	234	POTS	8	S	0657.0	0657.4	0.7	700.0			
	500	HIRA	45	C	0657.0	0657.5	1.5	14.0			O
	200	GORK	3	S	0657.2	0657.4	0.8	1600.0			
	100	GORK	3	S	0657.2	0657.6	0.9	800.0			
	5900	KISV	2	S/F	0657.2	0657.6	1.3	11.0			
	113	POTS	4	S/F	0657.2	0657.6	0.9	200.0			
	650	GORK	1	S	0657.4	0657.7	0.9	7.0			
	950	GORK	1	S	0657.4	0657.7	0.9	2.0			
	9100	GORK	21	GRF	0800.0	0848.2	206.1	60.0			
	2850	CRIM	28	PRE	0800.0	0809.4	10.0	53.0	17.0		
	5900	KISV	2	S/F	0800.7	0801.9	3.3	13.0			
	9300	KISV	2	S/F	0801.4	0801.9	1.9	4.0			
	2950	GORK	47	GB	0804.3	0813.4	35.3	1030.0			
	2950	GORK	30	PBI	0804.3	0839.6	250.0D	155.0			
	2950	GORK	47	GB	0804.3	0828.9		1300.0			
	9100	GORK	46	C	0806.0	0819.3		1470.0			
	9100	GORK	46	C	0806.0	0826.6		650.0			
	9100	GORK	46	C	0806.0	0813.6	42.2	1980.0			
	3000	POTS	45	C	0806.5	0813.5	134.0	1180.0			
	9500	POTS	45	C	0806.5	0813.8	114.0	1420.0			
	5900	KISV	30	PBI	0806.7	0836.0	177.0	315.0			
	9300	KISV	30	PBI	0806.7	0830.0	207.0	667.0			
	5900	KISV	47	GB	0806.7	0819.3		1724.0			
	9300	KISV	47	GB	0806.7	0819.7U	23.3	1538.0D			
	5900	KISV	47	GB	0806.7	0813.8	29.3	2070.0			
	204	IZMI	45	C	0807.0	0827.9	72.0	1262.0			
	15000	KISV	29	PBI	0807.5	0830.0	112.0	279.0			
	15000	KISV	47	GB	0807.5	0813.8	22.5	1564.0			

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

FEBRUARY 1991

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
25	4995	LEAR	49	GB	0808.0E	0813.0	77.0D	1300.0			QL=2 ST=2 TYP=7
	2695	LEAR	49	GB	0808.0E	0828.0	86.0D	1600.0			QL=2 ST=2 TYP=7
	2695	SVTO	49	GB	0808.0E	0828.0	952.0D	1400.0			QL=4 ST=1 TYP=7
	8800	SVTO	49	GB	0809.0E	0813.0	39.0D	1400.0			QL=4 ST=2 TYP=6
	4995	SVTO	49	GB	0809.0E	0813.0	42.0D	1300.0			QL=4 ST=2 TYP=6
	8800	LEAR	49	GB	0809.0E	0813.0	71.0D	1600.0			QL=2 ST=2 TYP=6
	1415	SVTO	49	GB	0810.0E	0813.0	39.0D	900.0			QL=4 ST=2 TYP=6
	1415	LEAR	49	GB	0810.0E	0813.0	43.0D	1100.0			QL=2 ST=2 TYP=6
	15400	LEAR	49	GB	0810.0E	0813.0	84.0D	1500.0			QL=2 ST=2 TYP=6
	1470	POTS	45	C	0810.0	0814.5	106.0	1175.0			
	2850	CRIM	30	PBI	0810.4	0850.0	156.0	55.0	18.0		
	2850	CRIM	46	C	0810.4	0829.0U		1447.0U			
	2850	CRIM	46	C	0810.4	0819.2	44.0	2114.0	704.0		
	950	GORK	30	PBI	0810.5	0840.0	47.0	25.0			
	650	GORK	30	PBI	0810.5	0840.0	51.5	15.0			
	950	GORK	47	GB	0810.5	0831.2		65.0			
	650	GORK	47	GB	0810.5	0815.2	29.5	250.0			
	950	GORK	47	GB	0810.5	0814.2	29.5	560.0			
	950	GORK	47	GB	0810.5	0826.4		75.0			
	808	ONDR	49	GB	0810.5	0814.4	14.0	127.0			
	650	GORK	47	GB	0810.5	0831.6		45.0			
	650	GORK	47	GB	0810.5	0820.8		335.0			
	600	HUMN	40	F	0810.9	0821.2	36.2	144.0	25.0		
	15400	SVTO	49	GB	0811.0E	0813.0	40.0D	1500.0			QL=4 ST=2 TYP=6
	536	ONDR	49	GB	0811.0	0815.2	12.0	90.0			
	610	LEAR	4	S/F	0813.0E	0820.0	10.0D	160.0			QL=2 ST=2 TYP=5
	610	SVTO	4	S/F	0813.0E	0820.0	10.0D	300.0			QL=4 ST=2 TYP=5
	33	UPIC	32	ABS	0813.0	0821.0	47.0				
	204	IZMI	45	C	0813.5	0815.0	23.0	85000.0			
	234	POTS	45	C	0813.5	0815.2	33.2	450.0			
	200	HIRA	48	C	0813.7	0814.2	1.6	41000.0			O SUNSET
	200	GORK	46	C	0813.8	0825.9		130.0			
	200	GORK	46	C	0813.8	0814.9	19.2	3500.0			
	410	LEAR	4	S/F	0814.0E	0819.0	9.0D	76.0			QL=2 ST=2 TYP=5
	410	SVTO	4	S/F	0814.0E	0819.0	9.0D	130.0			QL=4 ST=2 TYP=5
	245	SVTO	8	S	0814.0E	0815.0	1.0D	120.0			QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0814.0E	0826.0	14.0D	110.0			QL=2 ST=2 TYP=5
	100	GORK	46	C	0814.2	0825.6		270.0			
	100	GORK	46	C	0814.2	0815.6	17.5	4400.0			
	260	ONDR	49	GB	0814.5	0826.6	23.0	95.0			
	127	TORN	8	S	0814.6	0815.0U	1.5	3000.0D	390.0		UNCERTAIN
	113	POTS	29	PBI	0814.7	0815.3U	25.3	2000.0D			
	430	KRAK	7	C	0822.2E	0822.5	9.0D	29.0	7.0		
	810	KRAK	7	C	0825.0E	0833.9	14.5D	30.0	9.0		
	33	UPIC	45	C	0825.5	0825.6	0.9				
	33	UPIC	45	C	0834.9	0836.7	2.0				
	600	HUMN	27	RF	0856.1	0903.5	24.8	11.0	5.0		
	430	KRAK	27	RF	0856.5	0902.2	12.5	11.0	6.0		
	2850	CRIM	20	GRF	0857.0	0903.0	15.0	52.0	17.0		
	950	GORK	20	GRF	0858.6	0903.3	13.0	23.0			
	650	GORK	20	GRF	0858.6	0903.5	13.0	30.0			
	810	KRAK	27	RF	0859.2	0904.5U	19.5	19.0	9.0		
	536	ONDR	8	S	0930.5	0930.5	0.2	92.0			
	260	ONDR	8	S	0930.6	0930.6	1.0	42.0			
	650	GORK	41	F	1032.0	1035.0		25.0			
	600	HUMN	41	F	1032.0	1035.0	5.0	15.0			
	650	GORK	41	F	1032.0	1032.4	6.4	9.0			
	536	ONDR	42	SER	1032.3	1036.0	6.0	67.0			
	5900	KISV	4	S/F	1032.3	1035.4	7.5	40.0			
	204	IZMI	7	C	1032.5	1035.3	7.5	42.0			
	950	GORK	2	S/F	1032.5	1035.4	5.9	8.0			
	9300	KISV	4	S/F	1034.0	1035.3	5.4	28.0			
	2950	GORK	4	S/F	1034.8	1035.4	2.1	27.0			
	2850	CRIM	1	S	1035.0	1035.3	1.0	47.0			
	9100	GORK	2	S/F	1035.0	1035.4	7.0	25.0			
	15000	KISV	2	S/F	1035.1	1035.5	2.8	9.0			
	260	ONDR	42	SER	1141.1	1142.5	3.0	110.0			
	245	SVTO	8	S	1142.0E	1142.0	1.0D	210.0			QL=4 ST=2 TYP=3
	260	ONDR	8	S	1227.6	1227.7	1.1	47.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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
25	536	ONDR	8	S	1250.0	1250.0	0.5	42.0			
	9400	HUAN	1	S	1330.5	1333.7	4.9	3.8	1.6		
	536	ONDR	8	S	1409.2	1409.2	0.7	75.0			
	113	POTS	4	S/F	1410.0	1410.4	1.0	250.0			
	40	POTS	8	S	1410.1	1410.5	0.9				
	33	UPIC	8	S	1410.5	1410.6	0.5				
	9500	CUBA	1	S	1417.5	1419.2	4.4	14.0	7.0		
	9400	HUAN	1	S	1504.4	1504.4U	5.9	2.8	1.2		
	9400	HUAN	4	S/F	1558.0	1600.3	5.9	26.4	11.6		
	610	SVTO	8	S	1559.0E	1600.0	2.0D	97.0			QL=2 ST=2 TYP=3
	4995	SVTO	8	S	1559.0E	1600.0	2.0D	80.0			QL=2 ST=2 TYP=3
	600	HUMN	41	F	1559.6	1600.0	4.0	25.0			
	2800	OTTA	4	S/F	1559.6	1600.3	5.9	77.1	30.0		
	1415	SVTO	8	S	1600.0E	1600.0	1.0D	61.0			QL=2 ST=2 TYP=3
	2695	SVTO	8	S	1600.0E	1600.0	2.0D	66.0			QL=2 ST=2 TYP=3
	9400	HUAN	23	GRF	1622.1	1801.2	136.3	24.5	10.4		
	2800	OTTA	22	GRF	1646.5	1657.0	97.0	65.2	15.0		
	235	CUBA	48	C	1648.0	1729.0	67.0	925.0			
	280	CUBA	48	C	1648.0	1725.0	67.0	54.0			
	245	SGMR	4	S/F	1652.0E	1657.0	7.0D	210.0			QL=4 ST=3 TYP=3
	245	SGMR	4	S/F	1655.0E	1657.0	4.0D	210.0			QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1655.0E	1656.0	4.0D	93.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1655.0E	1656.0	4.0D	76.0			QL=4 ST=2 TYP=3
	9500	CUBA	2	S/F	1655.0	1655.9	5.5	67.0	33.0		
	9400	HUAN	3	S	1655.3	1656.8	3.8	60.3	25.4		
	15000	CUBA	1	S	1655.7	1656.7	3.1	50.0	25.0		9R
	6700	CUBA	42	SER	1655.9	1656.8	11.1	68.0			23L
	2695	SGMR	8	S	1656.0E	1656.0	1.0D	62.0			QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1656.0E	1656.0	3.0D	43.0			QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1656.0E	1657.0	3.0D	38.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	1702.7	1704.4	4.8	17.0	6.8		
	8800	SGMR	4	S/F	1703.0E	1704.0	3.0D	34.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1703.0E	1704.0	1.0D	40.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1704.0E	1706.0	2.0D	24.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1705.0E	1706.0	1.0D	3100.0			QL=2 ST=2 TYP=6
	9400	HUAN	2	S/F	1712.7	1716.0	5.3	18.8	8.4		
	610	PALE	8	S	1713.0E	1713.0	U	24.0			QL=4 ST=2 TYP=3
	15000	CUBA	1	S	1713.2	1715.9	4.0	21.0	10.0		64L
	2695	PALE	8	S	1714.0E	1714.0	U	34.0			QL=4 ST=2 TYP=3
	1415	PALE	4	S/F	1714.0E	1715.0	3.0D	83.0			QL=4 ST=2 TYP=3
	245	PALE	49	GB	1715.0E	1715.0	1.0D	1800.0			QL=2 ST=2 TYP=6
	410	PALE	8	S	1715.0E	1715.0	1.0D	24.0			QL=4 ST=2 TYP=3
	410	SGMR	8	S	1715.0E	1715.0	1.0D	25.0			QL=4 ST=2 TYP=3
	8800	SGMR	8	S	1715.0E	1715.0	1.0D	44.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1715.0E	1715.0	2.0D	47.0			QL=4 ST=2 TYP=3
	2695	SGMR	8	S	1715.0E	1715.0	1.0D	50.0			QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1715.0E	1715.0	1.0D	1900.0			QL=2 ST=2 TYP=6
	4995	SGMR	8	S	1715.0E	1715.0	1.0D	54.0			QL=4 ST=2 TYP=3
	1415	SGMR	8	S	1715.0E	1716.0	1.0D	40.0			QL=4 ST=2 TYP=3
	245	SGMR	4	S/F	1723.0E	1724.0	3.0D	220.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	1724.0E	1724.0	2.0D	200.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	1727.0E	1729.0	2.0D	81.0			QL=2 ST=2 TYP=3
	280	CUBA	6	S	1830.0	1831.0	6.0	24.0			
	235	CUBA	6	S	1833.0	1836.0	4.0	12.0			
	280	CUBA	6	S	1912.0	1918.0	9.0	16.0			
	245	PALE	8	S	2037.0E	2037.0	1.0D	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8	S	2037.0E	2037.0	U	97.0			QL=4 ST=2 TYP=3
26	280	CUBA	44	NS	1355.0E		475.0D		23.0		
	235	CUBA	44	NS	1355.0E		475.0D		14.0		
	9300	KISV	22	GRF	0646.2	0647.4		9.0			
	9300	KISV	22	GRF	0646.2	0650.7	12.5	11.0			
	9100	GORK	2	S/F	0646.4	0647.4	2.2	10.0			
	5900	KISV	4	S/F	0649.6	0650.9	9.9	25.0			
	5900	KISV	2	S/F	0737.5	0738.9	3.8	4.0			
	9300	KISV	1	S	0824.3	0824.6	1.0	12.0			
	5900	KISV	1	S	0824.4	0824.6	0.3	4.0			
	33	UPIC	46	C	0836.3	0837.0	1.4				
	5900	KISV	2	S/F	0945.8	0947.6	3.2	3.0			

SOLAR RADIO EMISSION
Outstanding Occurrences

FEBRUARY 1991

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	5900	KISV	2	S/F	1005.5	1007.7	7.0	3.0			
	9100	GORK	2	S/F	1034.9	1036.5	2.8	10.0			
	5900	KISV	2	S/F	1035.3	1036.6	4.9	3.0			
	9300	KISV	2	S/F	1036.2	1036.6	4.4	10.0			
	5900	KISV	2	S/F	1045.3	1046.0	1.9	3.0			
	430	KRAK	42	SER	1111.5	1112.0	1.0	51.0			
	260	ONDR	46	C	1112.0	1112.0	2.3	39.0			
	9300	KISV	2	S/F	1115.6	1115.8	2.4	9.0			
	5900	KISV	1	S	1115.6	1115.8	0.8	7.0			
	2950	GORK	21	GRF	1218.9	1220.8	10.2	6.6			
	950	GORK	1	S	1222.2	1222.8	1.6	2.0			
	810	KRAK	8	S	1224.5	1225.0	0.8	18.0			
	650	GORK	40	F	1225.0	1226.2		2.0			
	650	GORK	40	F	1225.0	1225.2	1.6	4.0			
	3000	POTS	4	S/F	1225.0	1225.8	2.0	16.0			
	1470	POTS	4	S/F	1225.0	1225.8	2.0	13.0			
	2850	CRIM	1	S	1225.0	1225.9	2.0	18.0	5.0		
	2950	GORK	1	S	1225.1	1225.8	1.7	12.7			
	245	SGMR	8	S	1311.0E	1311.0	U	240.0			QL=4 ST=2 TYP=3
	245	SVTO	8	S	1311.0E	1311.0	U	270.0			QL=4 ST=2 TYP=3
	9400	HUAN	1	S	1313.5	1315.4	4.1	9.3	3.6		
	6700	CUBA	2	S/F	1314.8	1315.8	3.1	21.0	10.0		23R
	9400	HUAN	22	GRF	1734.0	1802.5	71.3	7.5	2.9		
	245	SGMR	8	S	1830.0E	1830.0	U	77.0			QL=4 ST=2 TYP=3
	9400	HUAN	2	S/F	2042.0	2044.8	5.5	13.0	5.8		
27	2695	LEAR	8	S	0119.0E	0120.0	2.0D	50.0			QL=2 ST=2 TYP=3
	4995	LEAR	8	S	0119.0E	0120.0	2.0D	34.0			QL=2 ST=2 TYP=3
	8800	LEAR	8	S	0120.0E	0120.0	U	32.0			QL=2 ST=2 TYP=3
	15400	LEAR	8	S	0120.0E	0120.0	U	31.0			QL=2 ST=2 TYP=3
	4995	LEAR	8	S	0134.0E	0135.0	2.0D	29.0			QL=2 ST=2 TYP=3
	8800	LEAR	4	S/F	0134.0E	0135.0	3.0D	100.0			QL=2 ST=2 TYP=3
	15400	LEAR	4	S/F	0134.0E	0135.0	3.0D	58.0			QL=2 ST=2 TYP=3
	8800	PALE	4	S/F	0134.0E	0135.0	3.0D	100.0			QL=4 ST=2 TYP=3
	15400	PALE	8	S	0135.0E	0135.0	1.0D	40.0			QL=4 ST=2 TYP=3
	4995	PALE	8	S	0135.0E	0135.0	1.0D	32.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0150.0E	0150.0	U	58.0			QL=4 ST=2 TYP=3
	245	LEAR	8	S	0246.0E	0246.0	2.0D	62.0			QL=2 ST=2 TYP=3
	410	LEAR	8	S	0246.0E	0246.0	2.0D	71.0			QL=2 ST=2 TYP=3
	245	PALE	8	S	0246.0E	0246.0	U	100.0			QL=4 ST=2 TYP=3
	410	PALE	8	S	0246.0E	0246.0	U	140.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0507.0E	0507.0	U	61.0			QL=2 ST=2 TYP=3
	9300	KISV	2	S/F	0608.3	0609.6	4.2	11.0			
	15000	KISV	2	S/F	0608.9	0609.6	2.1	14.0			
	2950	GORK	22	GRF	0619.4	0620.7	19.3	8.3			
	9300	KISV	2	S/F	0724.9	0725.4	3.5	5.0			
	9100	GORK	45	C	0732.4	0734.1	8.3	10.0			
	9300	KISV	22	GRF	0732.4	0734.3	15.6	9.0			
	9100	GORK	45	C	0732.4	0736.8		8.0			
	5900	KISV	2	S/F	0804.1	0804.6	1.3	2.0			
	5900	KISV	2	S/F	0852.1	0852.6	4.3	4.0			
	9300	KISV	2	S/F	1010.0	1011.0	5.1	5.0			
	260	ONDR	41	F	1029.5	1223.4	130.5	58.0			
	5900	KISV	21	GRF	1029.7	1030.5	18.3	6.0			
	127	TORN	4	S/F	1030.1	1030.4	1.5	400.0	60.0		
	9100	GORK	20	GRF	1031.9	1119.5	148.0D	10.0			
	127	TORN	7	C	1046.7	1047.2	1.0	45.0	10.0		
	5900	KISV	2	S/F	1107.4	1108.0	2.4	4.0			
	9400	HUAN	20	GRF	1300.5	1331.5	57.1	7.2	3.0		
	430	KRAK	8	S	1349.2	1349.5	0.6	80.0			
	33	UPIC	3	S	1423.2	1423.4	0.6				
	9400	HUAN	1	S	2019.0	2021.6	6.0	9.0	4.4		
28	4995	PALE	8	S	0355.0E	0355.0	1.0D	55.0			QL=4 ST=2 TYP=3
	15400	LEAR	8	S	0505.0E	0505.0	2.0D	43.0			QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0505.0E	0505.0	2.0D	50.0			QL=2 ST=2 TYP=3
	9300	KISV	21	GRF	0602.6	0604.1	23.4	12.0			
	5900	KISV	2	S/F	0602.7	0604.1	8.7	5.0			
	15000	KISV	2	S/F	0644.0	0644.5	1.8	12.0			

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

FEBRUARY 1991

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	9300	KISV	21	GRF	0715.9	0718.8	11.5	8.0			
	5900	KISV	2	S/F	0717.0	0718.0	2.5	4.0			
	9300	KISV	2	S/F	0819.6	0820.0	1.9	6.0			
	9100	GORK	1	S	0928.1	0928.5	1.2	7.0			
	536	ONDR	8	S	0936.9	0937.0	0.5	131.0			
	260	ONDR	8	S	0937.0	0937.5	1.4	69.0			
	536	ONDR	4	S/F	0956.6	0957.5	1.5	83.0			
	260	ONDR	2	S/F	0957.0	0957.7	1.7	50.0			
	2950	GORK	23	GRF	1024.0	1116.4	120.0	9.0			
	5900	KISV	2	S/F	1038.2	1039.0	3.2	6.0			
	1470	POTS	42	SER	1110.5	1113.0	6.5	47.0			
	2950	GORK	46	C	1110.7	1113.1		10.0			
	2950	GORK	46	C	1110.7	1111.4	4.0	16.0			
	2850	CRIM	7	C	1110.8	1113.2		17.0			
	2850	CRIM	7	C	1110.8	1111.3	4.0	27.0	9.0		
	950	GORK	2	S/F	1110.8	1111.6	3.7	16.0			
	204	IZMI	7	C	1111.0	1111.0	4.0	11.0			
	3000	POTS	42	SER	1111.2	1111.5U	2.8	16.0			
	9100	GORK	1	S	1112.3	1112.9	1.8	6.0			
	5900	KISV	4	S/F	1112.8	1113.1	1.1	27.0			
	650	GORK	2	S/F	1112.9	1113.3	1.2	4.0			
	260	ONDR	42	SER	1132.0	1142.6	13.0	417.0			
	6700	CUBA	2	S/F	1246.5	1247.8	2.5	12.0	6.0		35R
	9500	CUBA	42	SER	1313.3	1323.8	12.7	25.0			
	9400	HUAN	4	S/F	1413.0	1414.0	4.4	55.2	21.8		
	15000	CUBA	1	S	1413.1	1414.4	3.7	60.0	30.0		7R
	6700	CUBA	1	S	1413.1	1414.5	3.7	62.0	31.0		3R
	9500	POTS	4	S/F	1413.3	1414.4	3.9	67.0			
	3000	POTS	4	S/F	1413.4	1414.5	2.9	22.0			
	2695	SGMR	8	S	1414.0E	1414.0	U	32.0			QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1414.0E	1414.0	U	66.0			QL=2 ST=2 TYP=3
	4995	SGMR	8	S	1414.0E	1414.0	1.0D	53.0			QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1414.0E	1414.0	586.0D	74.0			QL=4 ST=1 TYP=3
	4995	SVTO	4	S/F	1414.0E	1414.0	586.0D	56.0			QL=2 ST=1 TYP=3
	15400	SVTO	4	S/F	1414.0E	1414.0	586.0D	55.0			QL=2 ST=1 TYP=3
	8800	SVTO	4	S/F	1414.0E	1414.0	586.0D	66.0			QL=2 ST=1 TYP=3
	9500	CUBA	2	S/F	1414.0	1414.4	3.0	53.0	26.0		
	9400	HUAN	1	S	1421.8	1424.5	5.3	5.0	2.2		
	9400	HUAN	1	S	1455.6	1457.1	4.0	6.7	2.8		
	9500	CUBA	1	S	1456.0	1457.2	1.2	12.0	6.0		
	6700	CUBA	1	S	1456.2	1457.2	2.8	31.0	15.0		34R
	6700	CUBA	29	PBI	1459.0		7.7	6.0	3.0		53R
	9500	CUBA	1	S	1515.0	1515.2	0.9	12.0	6.0		
	280	CUBA	7	C	1528.0	1530.0	4.0	13.0			
	235	CUBA	7	C	1528.0	1530.0	4.0	14.0			
	235	CUBA	6	S	1534.0	1535.0	3.0	30.0			
	280	CUBA	6	S	1534.0	1535.0	3.0	28.0			
	9400	HUAN	21	GRF	1535.3	1604.6	63.1	5.8	2.7		
	9400	HUAN	4	S/F	1548.6	1550.0	5.7	103.7	42.4		
	15400	SGMR	8	S	1549.0E	1550.0	1.0D	170.0			QL=2 ST=2 TYP=3
	8800	SGMR	8	S	1549.0E	1550.0	1.0D	81.0			QL=4 ST=2 TYP=3
	15400	SVTO	8	S	1549.0E	1550.0	1.0D	93.0			QL=2 ST=2 TYP=3
	8800	SVTO	8	S	1549.0E	1550.0	1.0D	59.0			QL=2 ST=2 TYP=3
	9500	CUBA	1	S	1549.3	1550.0	1.7	85.0	42.0		
	6700	CUBA	2	S/F	1549.5	1550.0	2.0	18.0	9.0		28L
	15000	CUBA	1	S	1550.0	1550.4	1.8	161.0	80.0		26L
	9500	CUBA	29	PBI	1551.0		5.0	10.0	5.0		
	235	CUBA	7	C	1652.0	1653.0	8.0	35.0			
	280	CUBA	7	C	1652.0	1653.0	8.0	30.0			
	245	SGMR	8	S	1653.0E	1653.0	U	68.0			QL=4 ST=3 TYP=3
	9400	HUAN	4	S/F	1707.6	1709.0	4.0	65.2	31.2		
	8800	SGMR	8	S	1708.0E	1709.0	1.0D	69.0			QL=4 ST=2 TYP=3
	4995	SGMR	8	S	1708.0E	1709.0	1.0D	44.0			QL=4 ST=2 TYP=3
	9500	CUBA	1	S	1708.0E	1709.0	30.0D	52.0			
	6700	CUBA	1	S	1708.2	1708.5	3.8	25.0	12.0		66R
	9400	HUAN	30	PBI	1711.6	1711.6	56.4	8.4	3.6		
	9400	HUAN	1	S	1735.2	1737.5	3.9	5.0	2.2		
	9400	HUAN	22	GRF	2125.9	2136.0	30.6	5.8	3.0		
	15400	LEAR	8	S	2324.0E	2325.0	1.0D	63.0			QL=4 ST=2 TYP=3

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

FEBRUARY 1991

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	4995	LEAR	8 S	2324.0E	2325.0	2.0D	46.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	2324.0E	2325.0	2.0D	180.0			QL=2 ST=2 TYP=3
	15400	PALE	8 S	2324.0E	2325.0	1.0D	140.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2324.0E	2325.0	2.0D	220.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	2324.0E	2325.0	1.0D	64.0			QL=4 ST=2 TYP=3
	500	HIRA	46 C	2330.7	2330.8	1.5	53.0			O

Reports are received routinely from the following observatories:

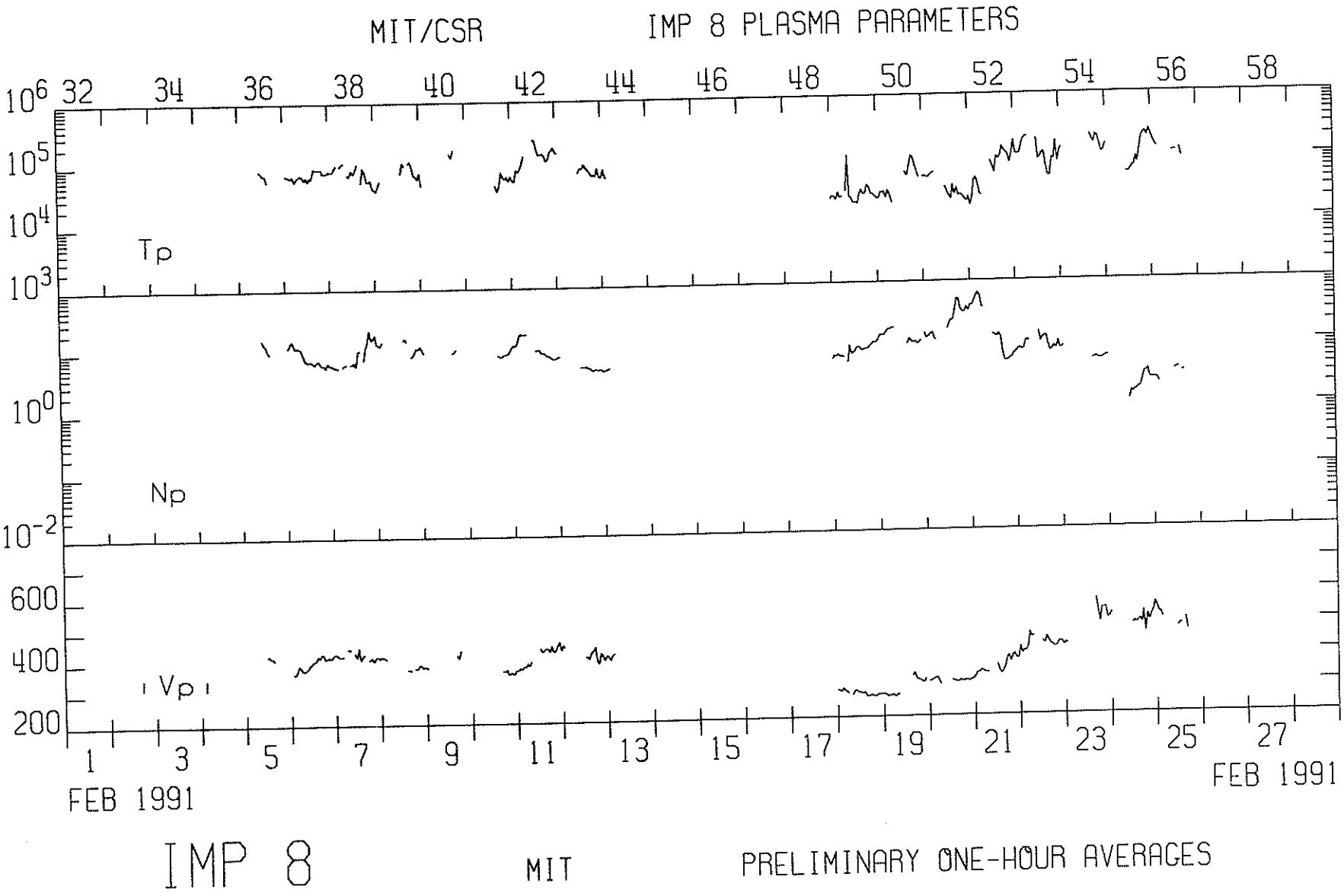
BERN = Berne	IZMI = IZMIRAN	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	KISK = Kislovodsk	OTTA = Ottawa	SYDN = Sydney
GORK = Gorky	KRAK = Krakow	PALE = Palehua	TORN = Torun
HIRA = Hiraiso	LEAR = Learmonth	PENT = Penticton	TRST = Trieste
HUAN = Huancayo	NOBE = Nobeyama	POTS = Potsdam	TYKW = Toyokawa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

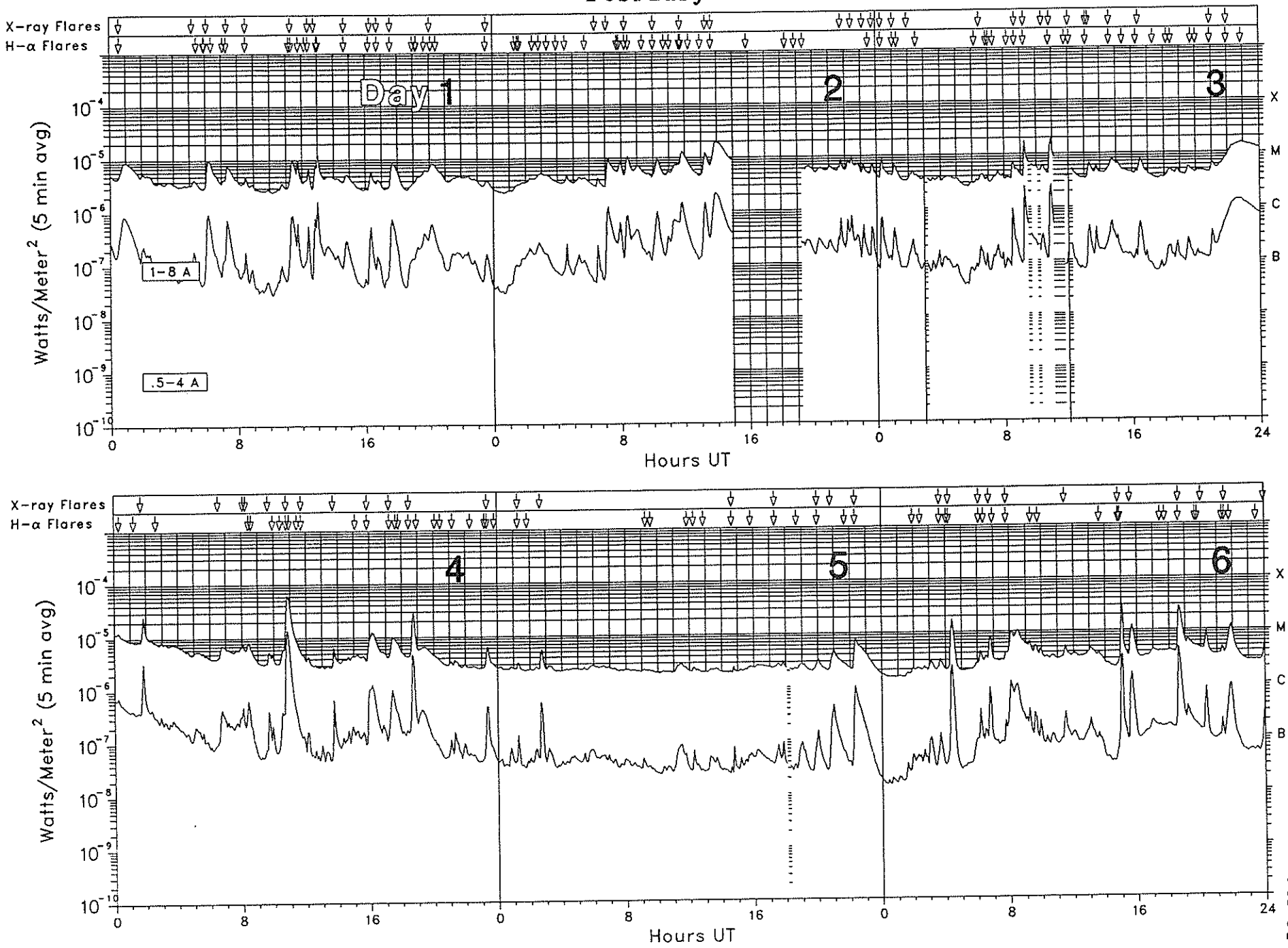
1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F
3A Simple 2A	40 Rise Only	16A Fall A	27AF Rise and Fall AF
21A Simple 3A GRF	40F Rise Only F	260 Fall Only	31A Post Burst Decrease A
2A Simple 1AF	4P Post Rise	26F Fall F	32A Absorption A

IMP 8 SOLAR WIND PLASMA
FEBRUARY 1991



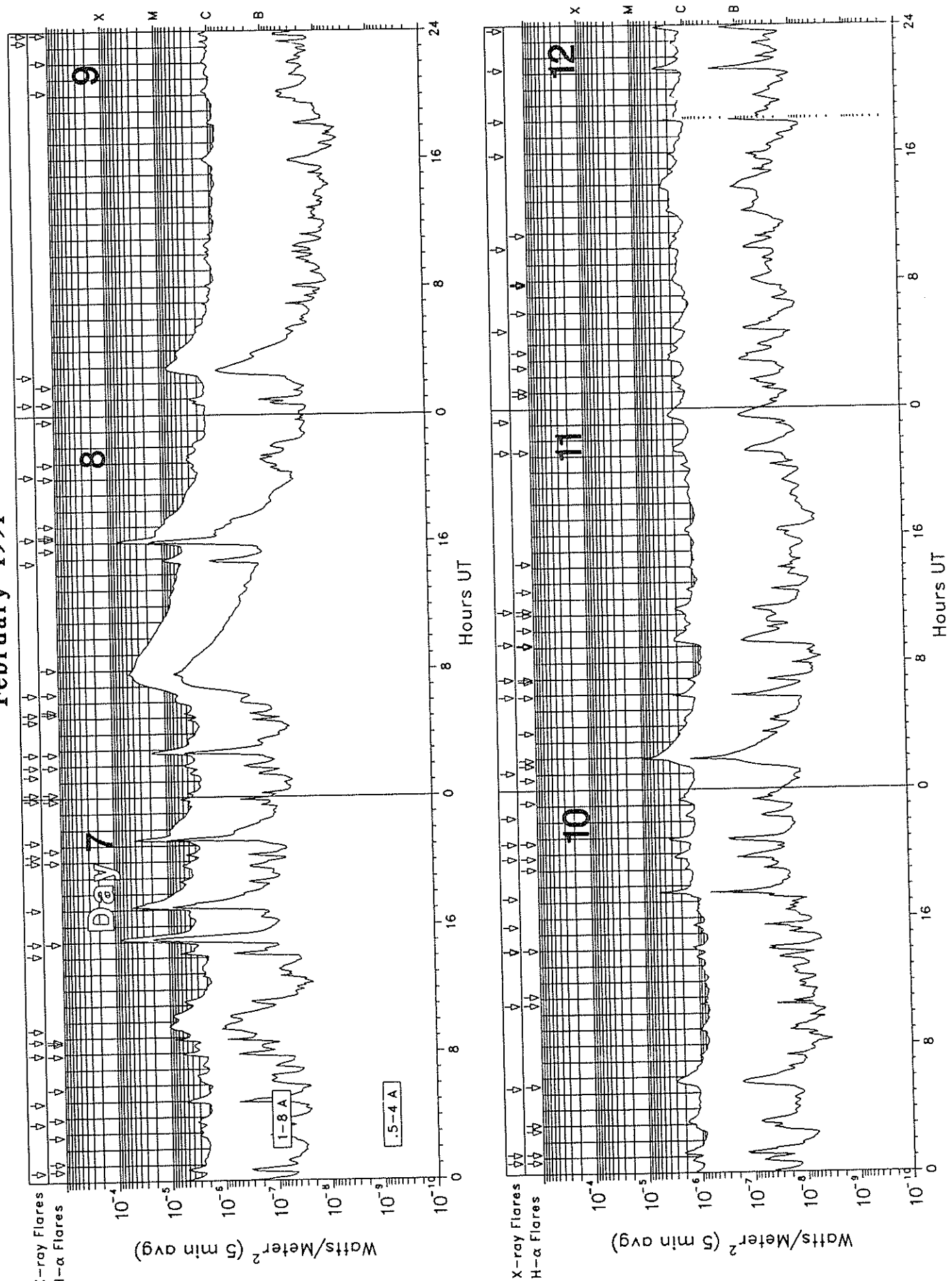
GOES-7 X-RAY DETECTOR

February 1991



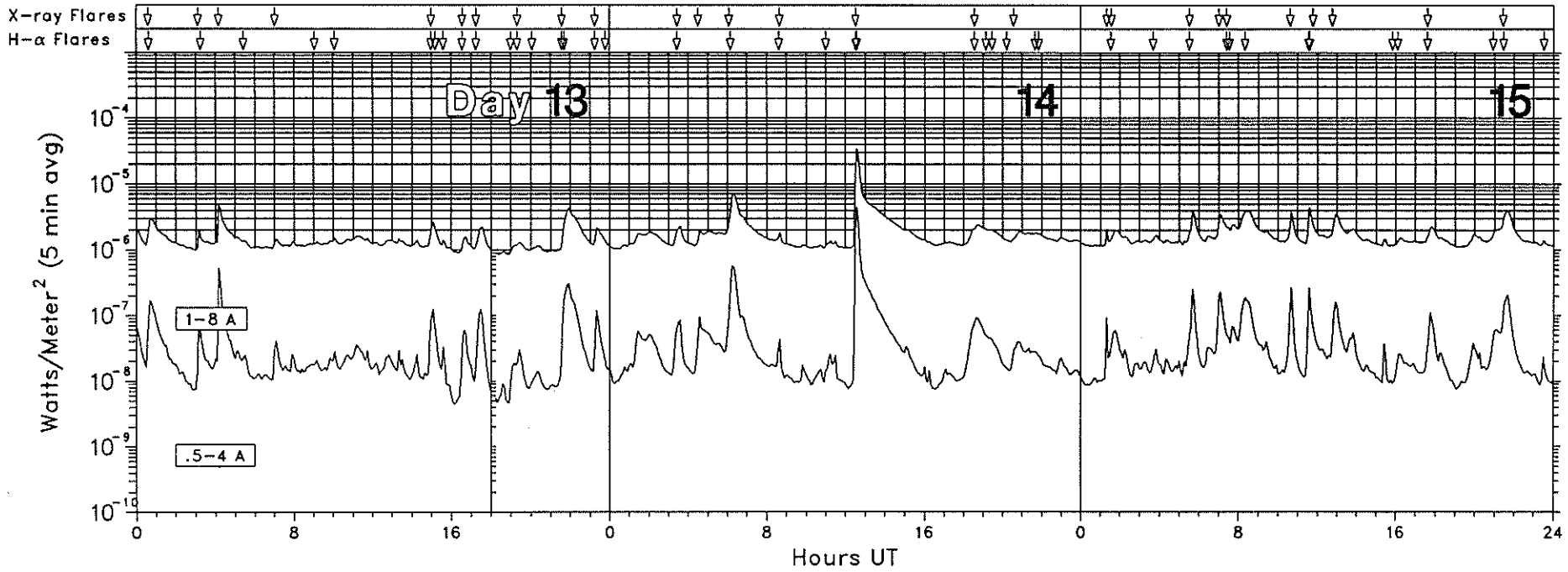
GOES-7 X-RAY DETECTOR

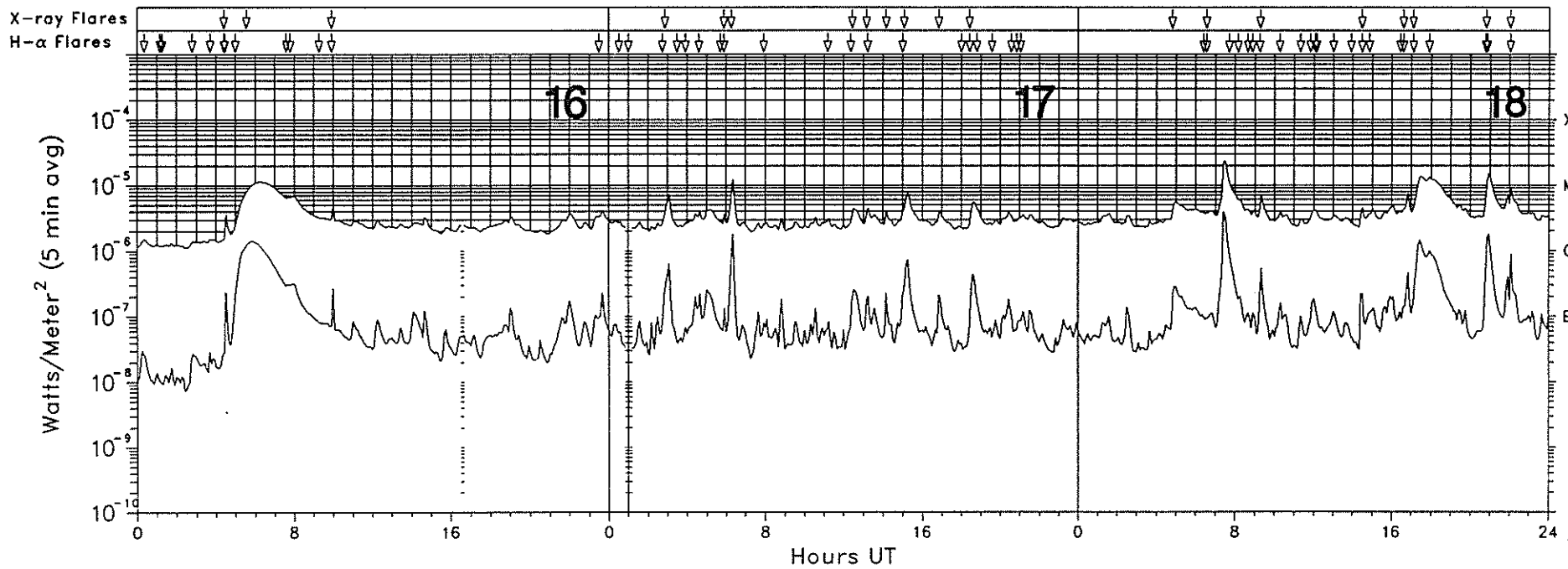
February 1991



GOES-7 X-RAY DETECTOR

February 1991





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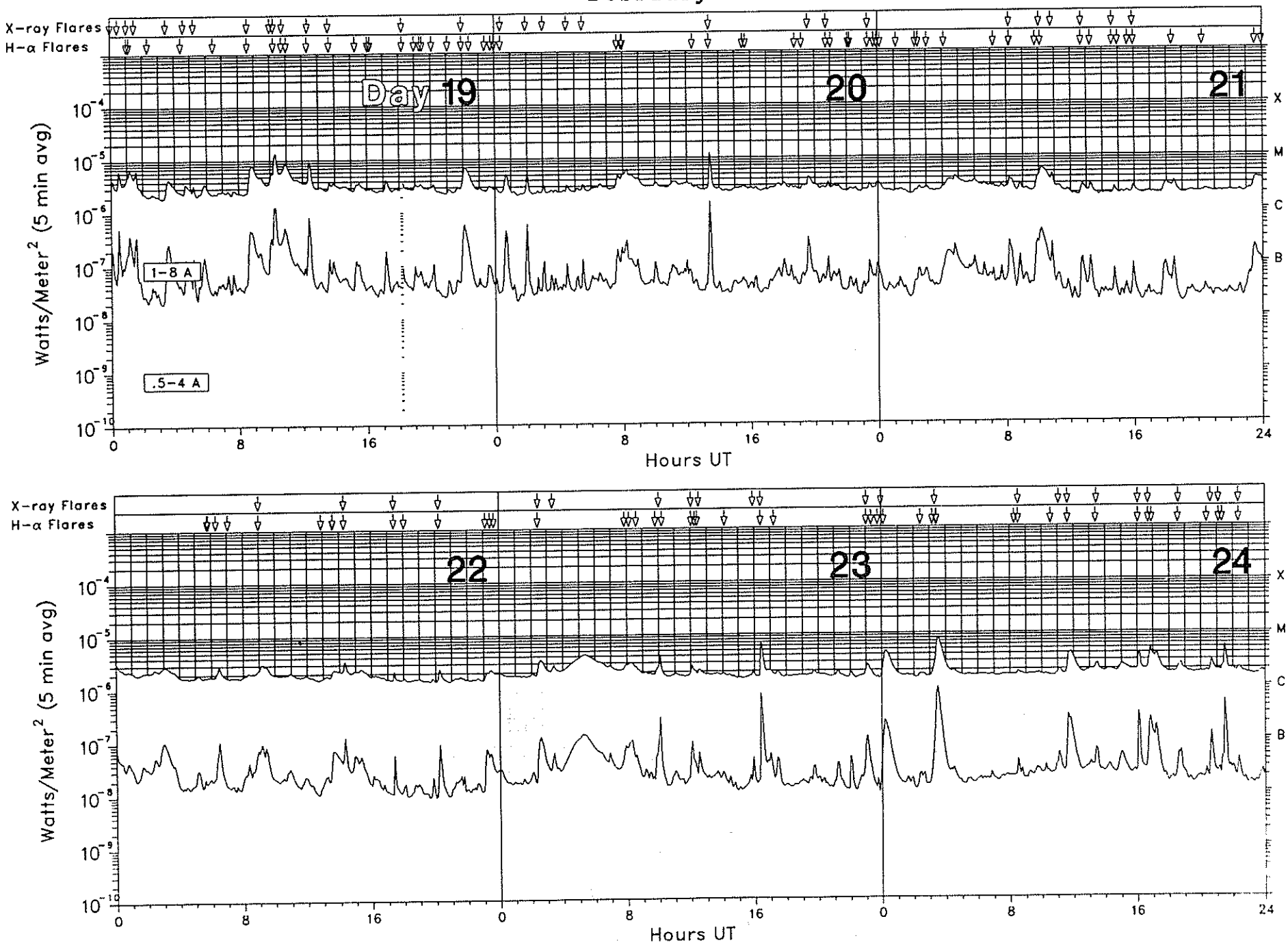
Feb 91

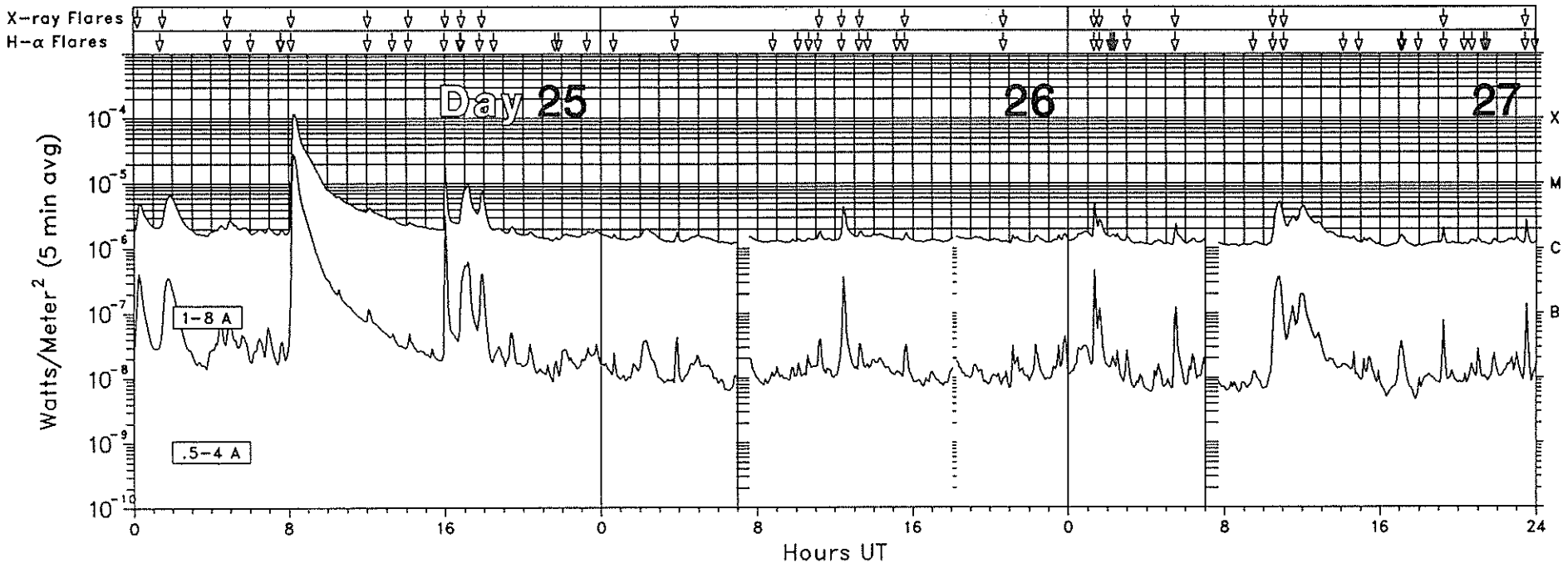
GOES-7 X-RAY DETECTOR

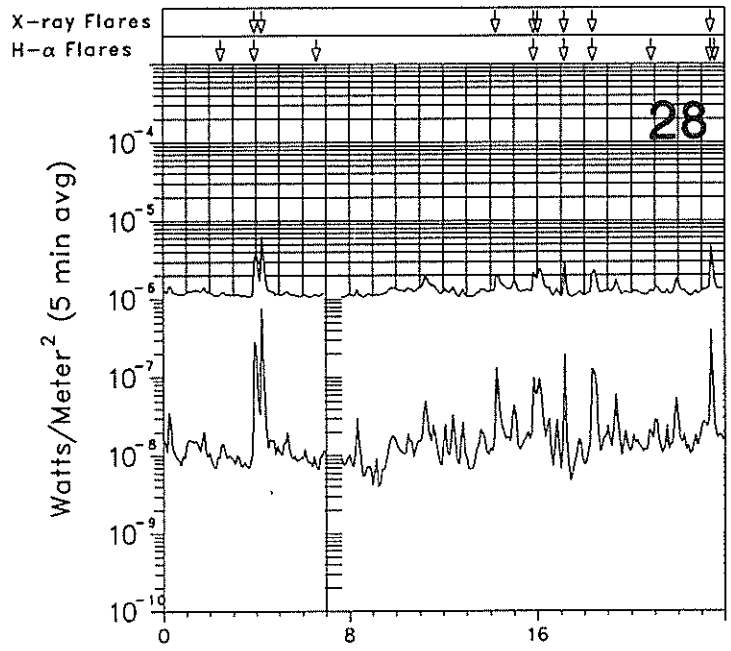
February 1991



GOES-7 X-RAY DETECTOR

February 1991





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

February 1991

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp	Opt	Xray	NOAA/ USAF Region
01	0036	0052U	0311	S04	W55		SF	C9.2	6466
01	0511	0516	0525					C4.3	
01	0606E	0608	0616D	S16	W43		SF	M1.0	6469
01	0720E	0723	0732D	S16	W49		1N	C8.4	6469
01	0831E	0831	0842D	S12	W39		SF	C5.0	6469
01	1118	1147	1154					M1.1	
01	1224	1229	1231					C8.3	
01	1246	1303	1320					M1.4	
01	1441E	1447	1508D	S16	W48		SF	C5.4	6469
01	1618E	1618	1633D	S15	W47		SN	C6.2	6469
01	1644E	1645	1650D	S19	W65		SF	C4.3	6462
01	1735E	1737	1807D	S17	W64		SF	C8.7	6462
01	2002E	2004	2016D	S15	W51		SF	C8.1	6469
01	2334E	2337	2349D	S10	W65		1N	C4.0	6466
02	0623E	0709	0821D	S15	W58		1N	C4.7	6469
02	0705E	0708	0722D	S13	W65		1N	M1.0	6469
02	0815E	0824	0834D	S18	W76		1F	M1.1	6462
02	1002E	1009	1029D	S15	W59		SF	M1.0	6469
02	1143E	1146	1220D	S16	W62		1N	M1.3	6469
02	1318	1320	1338	S14	W57		2N	M1.2	6469
02	1339E	1352	1433D	S19	W80		SF	M2.0	6462
02	2146E	2149	2157D	S13	W63		SF	C9.6	
02	2224E	2228	2238D	S13	W63		SF	M1.1	6469
02	2308E	2311	2318D	S13	W64		SF	C8.3	6469
02	2343		2345	S13	W64		SF	C8.1	6469
03	0017E	0021	0031D	S16	W65		SB	M1.1	6469
03	0102E	0105	0128D	S16	W69		SF	C6.8	6469
03	0156E	0215	0301D	S14	W65		SF	C5.3	6469
03	0628E	0635	0640D	S13	W67		SF	C4.5	6469
03	0842E	0849	0855D	S14	W69		SF	M1.1	6469
03	0915E	0916	0948D	S14	W69		SN	M2.2	6469
03	1022	1025	1029					C7.3	
03	1051	1053	1142	S17	W74		1N	M2.7	6469
03	1202E	1207	1217D	S14	W71		SF	C5.8	6469
03	1308E	1345	1354D	S16	W77		SF	C6.7	6469
03	1316	1322	1329					C6.9	
03	1436E	1509	1524D	S15	W79		SF	C8.3	6469
03	1625E	1627	1651D	S15	W80		SN	C7.9	6469
03	2056E	2103	2119	S14	W82		SF	C6.9	6469
03	2158E	2209	2214	S14	W81		1F	M1.6	6469
04	0142E	0151	0213D	S12	W81		SN	M2.8	6469
04	0632	0649	0710					C7.4	
04	0805	0808	0810					C8.8	
04	0816	0829	0831					M1.0	
04	0939	0944	0951					C5.6	
04	1047E	1051	1117D	S17	W87		1N	M6.8	6469
04	1142E	1157	1159D	S16	W87		SF	C4.8	6469
04	1343	1348	1351					C7.8	
04	1551E	1649	1703D	S15	W92		1F	M1.2	6469
04	1713	1728	1751					M1.0	
04	1828E	1842	1923D	S15	W89		1N	M3.6	6469
04	2322E	2326	2331D	S13	W86		SF	C7.5	6469
05	0115E	0118	0122D	S13	W86		SF	C3.8	6469
05	0239	0246	0251					C6.6	
05	1438E	1445	1510D	S12	W60		SF	C2.7	6471
05	1719E	1749	1807D	S09	W67		SF	C3.3	6471
05	1959E	1959	2007D	S09	W62		SF	C3.4	6471
05	2048	2101	2113					C5.2	
05	2219E	2219	2227D	S10	W67		SF	C7.9	6471
06	0337E	0340	0401D	S10	W65		SF	C3.2	6471
06	0412E	0426	0444D	S11	W63		1N	M1.9	6471
06	0606E	0646	1003	S10	W65		1N	C5.3	6471 T
06	0644	0650	0656					M1.0	
06	0749E	0821	0938D	N15	E62		SF	M1.1	6487
06	1127	1131	1136					C5.8	
06	1449E	1501	1513D	S09	W71		1N	M4.0	6471
06	1534	1543	1600					M1.2	
06	1835E	1836	1856D	S08	W76		SF	M3.1	6471
06	2001E	2022	2031D	S09	W75		SF	M1.0	6471
06	2130E	2158	2213	N15	E53		1N	M1.3	6487
06	2357	2402	2406					C6.6	
07	0035	0042	0050					C5.4	
07	0336	0340	0347					C3.5	
07	0453	0459	0509					C6.0	
07	0755E	0757	0808D	S10	W82		SN	C6.9	6471
07	0848E	0852	0915	N14	E49		1N	M1.0	6487
07	0929	0941	1048					M1.1	
07	1411	1416	1423					C6.9	
07	1456E	1502	1535D	S10	W86		1F	M8.8	6471
07	1703	1712	1832					M4.9	
07	1959E	2000	2004D	S12	W88		SF	C5.2	6471
07	2023	2027	2030					C4.9	
07	2114E	2116	2134D	N16	E43		SN	M5.3	6487
07	2350E	2352U	2450	S12	W87		1N	C6.7	6471
08	0013E	0016	0038D	S10	W14		SN	C4.4	6480
08	0121	0132	0140					C3.6	
08	0155E	0157	0207D	S10	W15		SF	C4.6	6480
08	0244E	0245	0252D	S13	W86		SN	M2.1	6471
08	0448	0453	0458					C3.8	
08	0515E	0517	0521D	S11	W86		SF	C4.8	6471
08	0629	0748	0911					M4.7	
08	1445	1453	1505					C9.9	
08	1615E	1615	1622D	S12	W90		SF	M7.2	6471
08	2009	2128U	2233	N14	E27		SF	C3.3	6487
09	0041E	0056	0121D	N11	E28		SF	C3.0	6487
09	0226	0254	0332					C7.5	
09	2318	2321	2323					C1.8	
09	2348E	2348	2353D	N13	E14		SF	C2.1	6487
10	0043E	0052	0104D	N11	E12		SF	C1.7	6487
10	0113E	0113	0125D	N13	E14		SF	C2.7	6487
10	0522	0546	0603					C2.9	
10	1035E	1036	1053D	N13	E10		SF	C1.2	6487
10	1358	1402	1406					C1.2	
10	1401E	1411	1420D	N15	E05		SF	C1.5	6487
10	1531	1534	1537					C1.6	
10	1716	1738	1741					C6.8	
10	1944E	1949	2012D	N14	E04		SF	C3.1	6487
10	2040E	2050U	2111	N13	E02		SF	C3.7	6487
10	2217	2221	2233					C1.8	
11	0106	0157U	0229	N14	E01		2N	M1.1	6487
11	0553E	0556	0605D	N13	W01		SF	C2.7	6487
11	0659E	0659	0709D	S12	E37		SF	C1.3	6489
11	0913E	0916	1002D	N11	W04		SF	C2.3	6487
11	1115	1126	1130					C2.2	
11	2115	2116	2154	N14	W27		SF	C2.0	6484
11	2312	2334	2342					C2.5	

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Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp	Opt	Xray	NOAA/ USAF Region
12	0452	0502	0523					C1.8	
12	1001	1005	1025					C2.1	
12	1552	1556	1558					C2.6	
12	1801	1807	1818					C2.4	
12	2113	2119	2126					C4.2	
12	2342	2352	2359					C3.8	
13	0036	0045	0105					C3.1	
13	0307	0312	0316					C2.3	
13	0409	0413	0417					C7.3	
13	0701	0706	0718					C1.5	
13	1459E	1508	1523D	S11	W35	SF		C2.8	6492
13	1634E	1646	1708D	S11	W37	SF		C1.7	6492
13	1715E	1725	1821D	N10	W52	SF		C2.3	6484
13	1919E	1922	1926D	N10	W53	SF		C1.3	6484
13	2134E	2149	2246D	S11	W41	SF		C4.4	6492
13	2315E	2319	2348D	N12	W52	SF		C2.2	6484
14	0325E	0329	0340D	S15	W43	SF		C2.5	6492
14	0430E	0434	0443D	S12	W41	SF		C2.1	6492
14	0605E	0613	0636D	S12	W42	SN		C7.1	6492
14	0838	0841	0844					C2.1	
14	1231E	1233	1320D	N10	W45	2B		M3.6	6487
14	1833E	1837	1933D	N28	E34	SF		C2.4	6496
14	2033	2056	2115					C2.0	
15	0119	0123	0125					C2.7	
15	0134	0154	0206					C2.0	
15	0531E	0540	0603D	N12	W69	1F		C4.7	6484
15	0700	0707	0718					C3.5	
15	0724E	0836	0933D	S11	W59	1F		C3.9	6492
15	1037	1042	1049					C3.9	
15	1146	1146U	1151	N09	W60	SF		C4.6	6487
15	1246	1300	1309					C3.7	
15	1736E	1739	1750D	S06	E02	SF		C2.3	6500
15	2126	2134U	2204	S12	E44	SF		C4.0	6497
16	0424E	0431	0447D	N10	W81	1N		C4.0	6484
16	0533	0622	0653					M1.1	
16	0955E	1002	1009D	S16	E68	SN		C6.4	6504
17	0252	0307	0312					C7.7	
17	0553E	0556	0603D	N29	E62	SF		C4.6	6506
17	0616	0622	0631					M1.5	
17	1227	1232	1250					C4.6	
17	1310	1317	1322					C4.6	
17	1410	1414	1416					C4.7	
17	1505E	1505	1526D	S21	E89	SF		C8.0	6509
17	1651	1655	1701					C4.2	
17	1826E	1835	1838D	S20	E88	SF		C5.6	6509
18	0449	0503	0532					C5.6	
18	0633E	0730	0739	S18	E48	1N		M2.6	6504
18	0917	0922	0927					C7.7	
18	1428E	1429	1516	S09	W74	SF		C5.4	6501
18	1635E	1649	1704D	S18	E43	1F		C8.1	6504
18	1705	1729	1849					M1.4	
18	2047	2057	2131					M1.5	
18	2201	2208U	2246D	S17	E42	SF		M1.0	6504
19	0001E	0003	0015D	S22	E70	SF		C4.7	6509
19	0028	0033	0038					C7.2	
19	0101E	0116	0154D	S15	E41	SF		C7.1	6504
19	0131E	0133	0142D	S10	E67	SF		C8.3	6508
19	0330	0339	0348					C4.5	
19	0436E	0443	0505D	S13	E32	SF		C4.1	6504
19	0513E	0514	0517D	S20	E69	1N		C4.0	6509
19	0836E	0846	1054D	S03	E40	1N		C8.1	6507
19	1002	1006	1012					C6.2	
19	1014E	1019	1058D	S04	W90	SF		M1.5	6501
19	1047E	1053	1134D	S12	E64	SF		C9.0	6508
19	1221	1229	1237					M1.0	
19	1338	1342	1346					C4.2	
19	1813	1813	1822D	S03	W68	SN		M1.0	6495
19	2156E	2206U	2256	S18	E60	1F		C7.2	6509
20	0022E	0025	0046D	S26	W93	SF		C5.8	6511
20	0157	0202	0205					C7.4	
20	0302	0305	0307					C3.6	
20	0430	0433	0437					C3.4	
20	0530	0533	0535					C3.7	
20	1323E	1328	1337D	S02	W73	SF		M1.4	6495
20	1935	1939	1946					C4.5	
20	2043E	2051	2108D	S23	E48	SF		C3.9	6509
20	2321E	2328	2354D	S12	E49	1N		C4.3	6508
21	0810E	0812	0911D	S13	E47	SF		C4.2	6508
21	1002	1012	1028					C5.9	
21	1047	1053	1055					C5.2	
21	1241	1246	1258					C2.9	
21	1437E	1446	1454D	S22	E38	SF		C2.8	6509
21	1554E	1555	1559D	S13	W01	SN		C3.0	6504
22	0900E	0916	0936D	S03	W01	1F		C3.2	6507
22	1419E	1421	1427D	N23	W62	SF		C3.6	6498
22	1725E	1726	1744D	N23	W67	SF		C2.8	6498
22	2013E	2013	2021D	S11	E66	SF		C2.5	6516
23	0227E	0239	0319	S05	W07	SF		C3.4	6507
23	0323E	0323	0335D	S06	W09	SF		C2.8	6507
23	1002	1007	1011					C4.5	
23	1203E	1205	1214D	S18	E15	SF		C2.7	6509
23	1231E	1238	1251D	S09	W57	SF		C2.3	6497
23	1555	1558	1600					C2.3	
23	1625E	1628	1655D	S10	E53	SF		M1.0	6516
23	2302E	2305	2327D	S18	E07	SF		C2.6	6509
23	2357	2414	2435					C4.7	
24	0320E	0325	0348D	S20	E04	1N		C8.4	6509
24	0832E	0832	0843D	S16	E12	SF		C2.0	6508
24	1104	1108	1112					C2.2	
24	1138E	1156	1207D	S12	W72	SF		C4.3	6497
24	1327E	1327	1334D	N30	W35	SF		C2.8	6506
24	1603E	1610	1629D	S17	W33	SN		C6.8	6504
24	1642E	1649	1703D	S09	E39	1N		C5.8	6516
24	1835	1845	1849					C2.7	
24	2036	2042	2048					C3.0	
24	2107E	2133	2145D	S17	W36	SB		C9.8	6504
24	2220E	2226	2236D	S09	W77	SF		C2.2	6497
25	0013	0022	0032					C5.1	
25	0131	0142	0251D	N16	E04	SF		C6.8	6513
25	0451E	0456	0519D	S24	W12	SF		C2.8	6509
25	0809E	0822	0930D	S16	W80	2N		X1.2	6497
25	1203E	1209	1222D	S18	W44	SF		C4.5	6504
25	1409E	1411	1431D	S17	W46	SF		C2.7	6504
25	1601E	1601	1609D	S17	W45	1F		M2.8	6504
25	1651E	1716	1735D	S15	W23	SF		M1.0	6517
25	1754E	1754	1849	N16	W04	1F		C8.5	6513

GOES S O L A R X-RAY F L A R E S
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Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Imp	Opt	Xray	NOAA/ USAF Region
26	0348E	0353	0420D	S13	E26		SF	C1.9	6524
26	1111E	1117	1123D	S12	W08		SF	C2.0	6521
26	1220E	1226	1243D	S17	W55		SF	C5.2	6504
26	1316E	1322	1332D	S15	W17		SF	C1.9	6508
26	1537E	1542	1551D	S16	W19		SF	C1.8	6508
26	2041E	2112	2116D	S10	W25		SF	C1.8	6508
27	0120E	0121	0131D	S16	W63		SF	C5.7	6504
27	0135E	0136	0155D	S14	W25		SF	C3.0	6508
27	0301E	0304	0311D	S17	W25		SF	C1.7	6508
27	0528E	0529	0551D	S17	W65		SN	C3.1	6504
27	1030E	1051	1128D	S19	W30		SF	C5.2	6508
27	1104E	1120	1231D	N20	W22		SF	C4.5	6514
27	1916	1916U	1932	N14	W36		SF	C2.3	6513
27	2327E	2332	2450	N15	W44		SN	C3.0	6513
28	0355E	0359	0436D	S12	W39		2N	C5.4	6508
28	0414	0418	0422					C8.1	
28	1414	1419	1426					C2.2	
28	1550E	1556	1559D	S12	W44		SF	C2.3	6508
28	1602	1610	1615					C2.5	
28	1709E	1709	1717D	S14	W46		SF	C3.7	6508
28	1821E	1826	1836D	S16	W54		SF	C3.0	6509
28	2323E	2325	2344D	S15	W49		1N	C5.1	6508

Preliminary GOES Satellite Data
Daily Average X-ray Background
Mar 1990 - Feb 1991

Day	1990 Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	1991 Jan	Feb
1	C1.1	B7.4	B3.1	B3.1	C1.2	C1.3	B8.7	B5.1	B3.8	C1.0	B7.4	C2.7
2	C1.1	B5.2	B4.2	B3.7	C1.4	C1.2	B8.6	B7.9	B3.7	B7.6	B7.6	C3.9
3	C1.0	B7.8	B2.8	B3.6	C1.2	B7.8	B6.6	C1.5	B4.0	B7.6	B7.4	C3.2
4	B9.1	B6.9	B2.7	B3.8	C1.1	B7.1	B7.3	C1.1	B5.2	B8.6	B7.8	C3.2
5	B7.0	B6.1	B4.4	B4.8	C1.1	B6.9	C1.0	B8.6	B6.7	C1.1	B9.5	C2.0
6	B7.5	B5.4	B5.7	B8.5	C1.0	B7.0	B6.0	B6.9	B9.4	C1.3	C1.1	C2.1
7	B7.4	B4.6	B7.7	C1.2	C1.1	B7.0	B6.6	B9.0	C1.1	C1.2	C1.5	C1.9
8	B6.7	B4.6	B9.8	C1.0	C1.1	B9.6	B5.9	B8.9	B9.8	C1.2	C2.3	C2.0
9	B5.4	B4.8	C1.0	B9.1	C1.1	B7.8	B6.5	B9.0	B8.6	C1.5	C2.0	B8.5
10	B5.9	B6.1	C1.4	C1.3	B9.7	B7.9	B6.9	B6.5	B7.6	C1.8	C1.9	B7.1
11	B8.5	C1.0	C1.5	C1.0	B7.9	B7.2	B8.7	B6.9	B9.6	C2.1	C1.3	B7.3
12	B5.8	C1.2	---	C1.1	B6.0	B7.9	B7.5	B6.4	C1.1	C2.1	B9.4	C1.0
13	B7.1	---	C1.5	C1.0	B7.8	B8.2	B7.6	B8.3	C1.0	C1.9	B7.3	C1.0
14	B8.8	C1.6	C1.3	B8.0	B4.6	B6.3	C1.0	B8.6	C1.1	C1.3	B6.2	C1.1
15	C1.0	C1.6	C1.9	B8.5	B4.3	B6.6	B7.9	C1.4	C1.1	C1.0	B6.7	C1.2
16	C1.2	C1.3	C1.4	B6.9	B4.6	B9.4	B7.4	C1.2	C1.2	B9.1	B7.9	---
17	B9.3	C1.2	C1.4	B5.9	B6.2	C1.2	B9.3	C1.0	C1.5	B7.6	B9.2	C2.3
18	C1.3	C1.7	C1.6	B4.9	B9.5	C1.7	B8.5	C1.2	C1.2	C1.3	C1.2	C2.7
19	C1.6	C1.3	C2.4	B4.8	B4.7	C1.6	B9.3	C1.6	C1.0	C1.6	C1.6	C2.4
20	C1.1	C1.6	C1.8	B5.2	B4.7	C1.9	B8.1	C1.4	B7.5	C1.5	C1.6	C2.3
21	C1.3	C1.4	C1.6	B5.0	B5.8	C2.0	B9.0	C1.4	B8.3	C1.3	C1.5	C2.0
22	C1.9	C1.1	C1.4	B4.6	B6.2	C2.0	B7.9	B9.5	*	C1.3	C2.2	C1.6
23	C1.4	C1.1	C1.6	B4.2	B7.2	C2.2	B9.5	B6.7	B8.0	C1.3	C1.6	C1.5
24	C1.4	C1.0	C1.3	B5.8	B7.3	C2.1	B8.9	B5.6	B8.8	C1.7	C1.9	C1.5
25	C1.1	C1.1	C1.5	B6.0	C1.0	C1.5	B6.9	B6.7	C1.0	C1.2	C2.2	C1.5
26	C1.7	C1.3	C1.4	B5.2	B9.5	C1.8	B4.8	B5.0	B9.8	C1.1	C2.0	C1.2
27	C1.6	C1.0	B6.8	B9.4	B7.0	C1.7	B4.0	B6.4	C1.1	B9.2	C2.4	C1.1
28	C1.8	B5.7	B6.4	C1.3	B7.3	C2.2	B4.1	B4.5	C1.4	B7.9	C2.6	C1.1
29	C1.3	B3.8	B4.7	C1.3	B6.6	C1.5	B4.5	B7.3	C1.4	B8.4	C2.2	
30	C1.2	B3.4	B5.5	C1.1	C1.0	C1.5	B4.8	B6.5	C1.1	B8.6	C2.8	
31	C1.0		B4.5		B9.4	C1.0		B4.4		B7.8	C2.9	

MASS EJECTIONS FROM THE SUN

FEBRUARY 1991

Site	Mo	Day	Observed UT Start	Observed UT Max	Observed UT End	Location RA*	Location R/Ro	Freq or Wavelength	Kind of Event
POTS	Feb	01	1144.4		1157.0			90- 40 MHz	II,IV
WEIS	Feb	01	1149.8		1155.7			270- 40 MHz	II Herringbone
WEIS	Feb	01	1213.9		1216.2			46- 32 MHz	II
WEIS	Feb	06	1507.7		1513.0			80- 40 MHz	II
POTS	Feb	19	1220.2		1240.5			400-200 MHz	IV Reverse slope
POTS	Feb	19	1230.8		1239.4			90- 50 MHz	II?
POTS	Feb	25	0812.3		0843.5U			400- 40 MHz	II,IV Reverse slope
ONDR	Feb	25	0814.7		0815.3			Meter	II
LEAR	Feb	25	0819.0		0912.0			Meter	IV
SVTO	Feb	25	0824.0		0847.0			Meter	IV
LEAR	Feb	25	0831.0		0847.0			Meter	II
SVTO	Feb	25	0832.0		0842.0			Meter	II
SGMR	Feb	28	1653.0		1712.0			Meter	IV

QUALIFIERS ON START, MAX AND END TIMES
- D = event ended after tabulated time
- 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
- LEAR = Learmonth
- ONDR = Ondrejov
- POTS = Potsdam
- SGMR = Sagamore Hill
- SVTO = San Vito
- WEIS = Weissenau

ACTIVE PROMINENCES AND FILAMENTS

FEBRUARY 1991

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
01	ADF	0005E	0302D	S19	E06	02	1.5	1				C	VORO		
01	AFS	0542E	0704D	S14	E00	02	1.2		03	9	9	E	LEAR	6471	
01	DSD	0543E	0704D	S15	W42	01	29.1		04	9	9	E	LEAR	6469	
01	AFS	1355E	2207D	S08	W12	01	31.7		02	9	9	E	RAMY	6471	
01	ADF	1410E	2207D	S09	W63	01	28.0	1	10	9	9	E	RAMY	6469	
01	SSB	1504		241	W05	02	4.7			0	0	E	HOLL		259 W23 326 W90
01	AFS	1518E	2142D	N06	W45	01	29.4		02	8	8	E	HOLL		
01	AFS	1518E	1634D	N02	E25	02	3.5		03	9	9	E	RAMY	6479	
01	ASR	1931E	0406D	N07	W90	01	26.2			9	9	E	PALE	6465	
01	ASR	2012E	0321D	S14	E88	02	8.5			9	9	E	PALE	6480	
01	ADF	2020E	0406D	S10	W63	01	28.2	1	04	9	9	E	PALE	6466	
01	ADF	2020E	0406D	S11	W53	01	28.9	1	07	9	9	E	PALE	6469	
01	DSD	2020E	0406D	S11	W60	01	28.4		02	9	9	E	PALE	6472	
01	ADF	2047E	2142D	S11	W45	01	29.6	1	16	9	9	E	HOLL	6469	
01	DSD	2048E	0406D	N18	E11	02	2.7		02	9	9	E	PALE	6476	
01	ADF	2048E	0406D	N20	E23	02	3.6		05	9	9	E	PALE	6476	
01	DSD	2048E	0406D	S09	E75	02	7.5		04	9	9	E	PALE	6480	
01	EPL	2319E	0750D	N48	E90	02	9.5			9	9	E	LEAR		
01	ADF	2322E	1053D	S14	W53	01	29.1	1	10	9	9	E	LEAR	6469	
01	AFS	2323E	1053D	S10	W14	01	31.9		03	9	9	E	LEAR	6471	
01	EPL	2330E	0406D	N48	E90	02	9.5			9	9	E	PALE		
02	ASR	0627E	1053D	N06	W90	01	26.6			9	9	E	LEAR	6465	
02	BSD	1335	1354	S18	W83	01	27.3		06	9	9	E	SVTO	6462	Flare Associated
02	ADF	1336E	2102D	S11	W65	01	28.8	1	08	9	9	E	RAMY	6466	
02	BSD	1422	1433	S23	E77	02	8.5		06	9	9	E	SVTO	6481	Flare Associated
02	BSD	1441E	1725D	S14	W84	01	27.4		03	8	8	E	HOLL	6462	
02	ADF	1519E	1737D	S16	W25	01	31.7	1	09	9	9	E	RAMY	6471	
02	SDF	1529E	1711D	S16	W28	01	31.5		07	0	0	E	HOLL	6471	
02	SDF	1530E	1528D	N26	E04	02	2.9		03	0	0	E	HOLL		
02	ADF	1534E	1940D	S17	W27	01	31.6	1	06	9	9	E	HOLL	6475	
02	SDF	1538E	0930D	N13	E08	02	3.2		06	0	0	E	SVTO		
02	ADF	1625E	1950D	S12	E66	02	7.6	1	05	9	9	E	HOLL	6480	
02	DSD	1625E	2354D	S13	W63	01	29.0		05	9	9	E	HOLL	6469	
02	AFS	1725E	2354D	N07	W60	01	29.3		02	7	8	E	HOLL	6482	
02	ASR	1725E	2354D	S16	W86	01	27.3			9	9	E	HOLL	6462	
02	DSD	1907	1919	S13	W67	01	28.8		10	9	9	E	HOLL	6469	Flare Associated
02	ASR	1945E	2010D	N10	W90	01	27.2			8	8	E	HOLL	6465	
02	ASR	1959E	2138D	S14	W87	01	27.3			9	9	E	PALE	6462	
02	DSD	2316E	0500D	S13	W69	01	28.9		10	9	9	E	LEAR	6469	
02	AFS	2317E	1050D	S09	W27	01	31.9		03	9	9	E	LEAR	6471	
02	DSD	2317E	1050D	S15	W16	02	1.7		02	9	9	E	LEAR	6471	
02	ASR	2318E	1050D	S07	W90	01	27.3			9	9	E	LEAR	6466	
02	ASR	2318E	1050D	S20	W90	01	27.2			9	9	E	LEAR	6462	
02	ASR	2320E	1050D	N17	E90	02	9.8			9	9	E	LEAR		
02	AFS	2337E	1050D	S25	W18	02	1.6		02	9	9	E	LEAR		
03	ASR	0710E	0812D	S17	W90	01	27.5			9	9	E	SVTO	6462	
03	DSD	0733E	0734D	S16	W77	01	28.6		09	9	9	E	SVTO	6462	
03	ASR	0825E	1535D	S20	W90	01	27.6			9	9	E	SVTO	6462	
03	AFS	0839E	1535D	S26	W24	02	1.5		01	7	7	E	SVTO		
03	AFS	0930E	1535D	S11	E46	02	6.8		01	6	6	E	SVTO		
03	DSD	1058E	1142D	N17	E74	02	9.1		09	9	9	E	SVTO	6469	Flare Associated
03	AFS	1209E	1636D	N06	W70	01	29.4		02	9	9	E	RAMY	6482	
03	ASR	1253E	1728D	N13	E85	02	9.9			8	7	E	RAMY		
03	ASR	1444E	1902D	S11	W90	01	27.9			9	9	E	HOLL	6466	
03	ADF	1444E	2237D	S09	W81	01	28.6	1	09	9	9	E	HOLL	6469	
03	ASR	1444E	2239D	S18	W90	01	27.9			9	9	E	HOLL	6462	
03	ADF	1451E	1826D	S07	W36	01	31.9	1	06	9	9	E	HOLL	6471	
03	DSD	1451E	2239D	S11	W40	01	31.6		01	9	9	E	HOLL	6471	
03	AFS	1455E	2237D	N18	E51	02	7.5		01	7	7	E	HOLL		
03	ASR	1455E	2239D	N15	E82	02	9.8			6	6	E	HOLL		
03	AFS	1455E	2239D	S11	E42	02	6.8		01	7	7	E	HOLL		
03	ADF	1523E	2037D	S15	W39	01	31.7	2	07	9	9	E	RAMY	6471	
03	DSD	1527E	2037D	S09	W35	02	1.0		05	9	9	E	RAMY	6471	
03	SSB	1529		211	W01	02	4.5			0	0	E	HOLL		253 W43
03	AFS	1625E	2239D	S22	W11	02	2.8		01	9	9	E	HOLL	6476	
03	BSD	1633E	1820D	S14	W82	01	28.6		08	9	9	E	HOLL	6469	Flare Associated
03	ASR	1820E	2239D	S14	W82	01	28.7			8	8	E	HOLL	6469	
03	ADF	1829E	2237D	S31	W33	02	1.2	2	19	9	9	E	HOLL		

ACTIVE PROMINENCES AND FILAMENTS

FEBRUARY 1991

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
03	CRN	1835E	2239D	S14	W90	01	28.1		05	0	0	E	HOLL	6469	
03	CAP	1902E	2239D	S07	W90	01	28.1		01	9	9	E	HOLL	6466	
03	ADF	2310E	1050D	N23	E00	02	4.0	1	17	9	9	E	LEAR	6476	
03	ASR	2311E	1050D	S12	W90	01	28.3			9	9	E	LEAR	6469	
03	ASR	2311E	1050D	S14	W90	01	28.3			9	9	E	LEAR	6469	
03	ASR	2312E	1050D	S21	W90	01	28.2			9	9	E	LEAR	6462	
03	AFS	2313E	1050D	S08	W42	01	31.8		02	9	9	E	LEAR	6471	
03	DSD	2313E	1050D	S12	W43	01	31.7		03	9	9	E	LEAR	6471	
03	DSD	2314E	1050D	S24	E54	02	8.1		02	9	9	E	LEAR	6481	
03	ASR	2355	1050D	S08	W90	01	28.3			9	9	E	LEAR	6466	
04	AFS	0039E	1050D	N18	E46	02	7.5		01	9	9	E	LEAR		
04	LPS	0133E	0615D	S12	W90	01	28.4			9	9	E	LEAR	6466	
04	ASR	0810E	1200D	S09	W90	01	28.7			9	9	E	SVTO	6469	
04	DSD	0813E	1200D	S13	W49	01	31.6		05	9	9	E	SVTO	6471	
04	SSB	0820		243	W43	02	7.9			0	0	E	SVTO		
04	AFS	0850E	1200D	S10	E43	02	7.6		02	9	9	E	SVTO	6480	
04	AFS	0851E	1200D	S09	E32	02	6.8		02	9	9	E	SVTO		
04	ADF	0852E	1200D	N20	W08	02	3.7	2	09	9	9	E	SVTO	6476	
04	BSL	1206	1226D	S13	W85	01	29.2			9	9	E	RAMY	6469	
04	ASR	1223E	2014D	S15	W88	01	28.9			9	9	E	RAMY	6469	
04	ADF	1253E	2014D	S13	W48	01	31.9	1	04	9	9	E	RAMY	6471	
04	DSD	1324E	1346D	S15	W27	02	2.5		03	9	9	E	RAMY	6473	
04	SSB	1358		242	W44	02	8.0			0	0	E	RAMY		
04	ASR	1442E	0030D	S12	W90	01	28.9			9	9	E	HOLL	6469	
04	AFS	1513E	0030D	S11	E28	02	6.7		02	9	9	E	HOLL	6480	
04	ADF	1514E	2119D	N06	E78	02	10.5	1	09	9	9	E	HOLL		
04	DSD	1553E	0030D	S12	W51	01	31.8		31	9	9	E	HOLL	6471	Flare Associated
04	DSD	1716E	2009D	S14	W39	02	1.8		02	9	9	E	RAMY	6471	
04	APR	1815E	0030D	S11	W90	01	29.1	1		9	9	E	HOLL	6469	
04	SSB	1907		242	W48	02	8.3			0	0	E	HOLL		
04	ASR	2323E	1003D	S17	W87	01	29.5			9	9	E	LEAR	6969	Flare Associated
04	ADF	2335E	0259D	N20	E07	02	5.5	1				C	VORO		
04	APR	2350E	0246D	S13	W90	01	29.3	1				C	VORO		
05	AFS	0025E	1003D	S11	E22	02	6.7		02	9	9	E	LEAR	6480	
05	APR	0835E	0910D	N35	E90	02	12.5	1				V	KHAR		
05	APR	0855E	0928D	S12	W90	01	29.7	1				V	KHAR		
05	ADF	0905E	0925D	S10	W57	02	1.1	1				V	KHAR		
05	BSL	0930E	0945D	S20	W90	01	29.6	1				V	KHAR		
05	AFS	1128E	2149D	S12	E17	02	6.7		02	9	9	E	RAMY	6480	
05	ADF	1130E	2149D	N20	W22	02	3.8	1	12	9	9	E	RAMY	6476	
05	SSB	1141		200	W15	02	5.5			0	0	E	RAMY		239 W54
05	DSD	1236E	1500D	S11	W59	02	1.1		05	9	9	E	SVTO	6471	
05	ASR	1236E	1545D	S15	W90	01	29.8			9	9	E	SVTO	6469	
05	ADF	1300E	1545D	N07	E60	02	10.0	1	09	9	9	E	SVTO	6484	
05	ADF	1300E	1545D	N10	E61	02	10.1	1	08	9	9	E	SVTO	6484	
05	ASR	1512E	2311D	S11	W90	01	30.0			9	9	E	HOLL	6469	
05	SSB	1515		242	W59	02	9.3			0	0	E	HOLL		
05	DSD	1524E	1848D	N15	E67	02	10.7		04	9	9	E	HOLL		
05	ADF	1528E	0031D	N22	W25	02	3.7	1	14	9	9	E	HOLL	6476	
05	ADF	1931E	2312D	S13	E52	02	9.7	1	08	9	9	E	HOLL		
05	SSB	2235		213	W33	02	7.0			0	0	E	PALE		
05	DSD	2325E	1042D	N14	E70	02	11.3		03	9	9	E	LEAR	6487	
05	ASR	2326E	1042D	S12	W90	01	30.3			9	9	E	LEAR	6469	
05	ASR	2335E	2341D	S13	W90	01	30.3			9	9	E	PALE	6469	
06	AFS	0022E	1042D	N12	E70	02	11.3		05	9	9	E	LEAR	6487	
06	BSL	0655E	0659D	S25	E90	02	13.3	1				C	ABST		
06	BSL	0655E	0659D	S28	E90	02	13.3	1				C	ABST		
06	SSB	0726		243	W69	02	10.2			0	0	E	SVTO		
06	ADF	1025E	1414D	N21	W11	02	5.6	1	13	7	9	E	SVTO		
06	SDF	1050E	1309D	N10	E56	02	10.6		12	0	0	E	SVTO		
06	AFS	1342E	2157D	N16	E62	02	11.3		02	9	9	E	RAMY	6487	
06	ADF	1342E	2157D	N21	E66	02	11.6	1	11	9	9	E	RAMY	6487	
06	DSD	1423E	2017D	N13	E59	02	11.0		04	9	9	E	HOLL	6487	
06	ASR	1453E	0008D	S02	W90	01	31.0			9	9	E	HOLL	6471	
06	DSD	1500	1552	S10	W72	02	1.2		18	9	9	E	HOLL	6471	Flare Associated
06	APR	1619E	1621D	S05	W90	01	31.0	2		9	9	E	RAMY	6471	
06	AFS	1623E	0008D	N16	E56	02	10.9		05	9	9	E	HOLL	6487	

ACTIVE PROMINENCES AND FILAMENTS

FEBRUARY 1991

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
06	AFS	1745E	2120D	S03	E71	02	12.0		03	9	9	E	PALE		
06	AFS	1748E	0328D	N17	E56	02	11.0		02	9	9	E	PALE	6487	
06	DSD	1748E	2104D	N14	E57	02	11.0		03	9	9	E	PALE	6487	
06	ADF	1753E	0328D	N21	E38	02	9.6	1	10	9	9	E	PALE	6476	
06	BSD	1930E	1944	S14	W76	02	1.1		07	9	9	E	RAMY	6575	
06	AFS	1934E	0008D	S24	W19	02	5.3		03	9	9	E	HOLL		
06	BSD	1937E	2017D	S14	W78	01	31.9		08	9	9	E	HOLL	6471	
06	BSD	1939E	2219D	S16	E75	02	12.5		17	9	9	E	PALE	6471	
06	APR	2025E	0008D	S08	W90	01	31.1	2		9	9	E	HOLL	6471	
06	ASR	2219E	0136D	S14	W90	01	31.1			9	9	E	PALE	6471	
06	ADF	2342E	0258D	N20	W18	02	5.6	1				C	VORO		
07	APR	0005	0300D	N24	W90	01	31.0	1				C	VORO		
07	ASR	0008E	0328D	S26	E90	02	14.0			9	9	E	PALE		
07	ASR	0053E	0136D	S29	W90	01	31.0			9	9	E	PALE	6483	
07	DSD	0230E	1045D	S12	E55	02	11.2		03	9	9	E	LEAR	6487	
07	AFS	0635E	1045D	S12	W06	02	6.8		02	9	9	E	LEAR	6480	
07	AFS	0636E	1045D	S23	E15	02	8.4		02	9	9	E	LEAR	6481	
07	SSB	0702		165	W04	02	12.1			0	0	E	SVTO		
07	ADF	0730E	0915D	N18	W47	02	3.7	1	15	9	9	E	SVTO	6476	
07	ASR	0849E	1045D	S11	W90	01	31.6			9	9	E	LEAR	6471	
07	BSL	0859E	0909D	S05	W90	01	31.6	1				C	ABST		
07	SDF	1045E	2250D	N37	E15	02	8.6		20	0	0	E	LEAR		
07	SDF	1045E	2250D	S15	E38	02	10.3		09	0	0	E	LEAR		
07	ASR	1120E	2126D	S12	W90	01	31.7			9	9	E	RAMY	6471	
07	ASR	1505E	0031D	S08	W90	01	31.9			9	9	E	HOLL	6471	Flare Associated
07	DSD	1510E	2126D	N10	E44	02	10.9		03	9	9	E	RAMY	6487	
07	LPS	1522	1704D	S10	W90	01	31.9			9	9	E	HOLL	6471	Flare Associated
07	ADF	1531E	2126D	N09	E35	02	10.3	2	07	9	9	E	RAMY	6484	
07	APR	1548E	2022D	S13	E90	02	14.4	2		9	9	E	RAMY		
07	ADF	1605E	0031D	N09	E33	02	10.1	1	09	9	9	E	HOLL	6484	
07	SSB	1622		164	W07	02	12.5			0	0	E	HOLL		
07	ADF	1648E	2023D	S39	W03	02	7.4	1	11	9	9	E	RAMY		
07	LPS	1729E	1830D	S10	W90	02	1.0			9	9	E	HOLL	6471	
07	LPS	1800E	1852D	S14	W90	01	31.9			9	9	E	PALE	6471	
07	ASR	1801E	2155D	S16	W90	01	31.9			9	9	E	PALE	6471	
07	DSD	1815E	0400D	N14	E44	02	11.1		02	9	9	E	PALE	6487	
07	ADF	1845E	0400D	N18	W51	02	3.9	1	20	9	9	E	PALE	6476	
07	SDF	1934E	2023D	S39	W03	02	7.6	3	11	0	0	E	RAMY		
07	BSL	2126	2157D	S10	W90	02	1.1	1		9	9	E	HOLL	6471	
07	ASR	2131E	2349D	S14	W90	02	1.1			9	9	E	PALE	6471	
07	EPL	2334E	0120	S07	W90	02	1.2	1				C	VORO		
07	ADF	2334E	0258D	N20	W42	02	4.8	1				C	VORO		
07	ASR	2336E	0014	S09	W90	02	1.2			9	9	E	LEAR	6471	
07	ASR	2337E	1042D	S14	W90	02	1.2			9	9	E	LEAR	6471	
07	ADF	2338E	1042D	N14	E40	02	11.0	1	07	9	9	E	LEAR	6487	
07	ASR	2347E	0111D	S10	W90	02	1.2			9	9	E	PALE	6471	
07	APR	2350E	0300D	S29	E90	02	15.0	1				C	VORO		
08	DSD	0013	1042D	S10	W13	02	7.0		04	9	9	E	LEAR	6480	Flare Associated
08	BSL	0014	0120D	S09	W90	02	1.2			9	9	E	LEAR	6471	Flare Associated
08	BSL	0017	0031D	S09	E90	02	14.8			9	9	E	HOLL	6471	
08	ASR	0114E	0400D	S15	W90	02	1.2			9	9	E	PALE	6471	
08	ASR	0226E	0400D	S17	E90	02	14.9			9	9	E	PALE		
08	ASR	0803E	0828	S09	W90	02	1.6			9	9	E	LEAR	6471	Flare Associated
08	LPS	0828E	1042D	S10	W90	02	1.6			9	9	E	LEAR	6471	Flare Associated
08	DSD	1147E	1307D	S09	W15	02	7.4		02	9	9	E	RAMY	6486	
08	DSD	1314E	1349D	S27	W02	02	8.4		04	9	9	E	RAMY	6481	
08	SSB	1315		206	W61	02	9.1			0	0	E	RAMY		163 W18
08	LPS	1410E	2259D	S13	W90	02	1.8			9	9	E	HOLL	6471	
08	ASR	1627E	1730D	S10	W90	02	1.9			9	9	E	RAMY	6471	
08	ASR	1627E	1835D	S07	W90	02	1.9			9	9	E	RAMY	6471	
08	APR	1835E	2208D	S14	E90	02	15.6	1		9	9	E	RAMY	6489	
08	SDF	1912E	1620D	N58	E14	02	10.0		18	0	0	E	HOLL		
08	AFS	1938E	0014D	N10	E32	02	11.2		02	9	9	E	HOLL	6487	
08	AFS	1945E	2219D	N10	E29	02	11.0		02	9	9	E	RAMY	6487	
08	ASR	2259E	0014D	S13	W90	02	2.2			6	6	E	HOLL	6471	
08	AFS	2300E	0014D	S08	E41	02	12.0		02	6	6	E	HOLL		
08	SSB	2304		164	W24	02	13.9			0	0	E	HOLL		
08	DSD	2318E	0144D	N14	E28	02	11.1		03	9	9	E	PALE	6487	

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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
08	ADF	2318E	0144D	N22	W73	02	3.4	1	10	9	9	E	PALE	6476	
08	ADF	2318E	0144D	S09	E40	02	12.0		10	9	9	E	PALE		
08	ADF	2318E	0144D	S29	W45	02	5.4	1	13	8	8	E	PALE		
08	AFS	2322E	0014D	N12	E14	02	10.0		01	9	9	E	HOLL	6484	
08	ADF	2323E	0014D	S18	W59	02	4.5	1	15	9	9	E	HOLL	6477	
08	ADF	2330E	1056D	N20	E27	02	11.0	1	08	9	9	E	LEAR	6487	
09	ASR	0003E	1056D	S11	W90	02	2.2			9	9	E	LEAR	6471	
09	ASR	0055E	0144D	N10	W90	02	2.3			8	9	E	PALE	6473	
09	SSB	0749		153	W18	02	13.4			0	0	E	SVTO		
09	ADF	0804E	1511D	N21	E22	02	11.0	1	08	9	9	E	SVTO	6487	
09	ASR	1004E	1056D	N20	W90	02	2.5			9	9	E	LEAR	6485	
09	ASR	1013E	1511D	N19	W90	02	2.5			9	9	E	SVTO	6485	
09	ASR	1038E	1146D	S16	W90	02	2.6			9	9	E	SVTO	6477	
09	AFS	1146E	2019D	N20	E00	02	9.5		02	9	9	E	RAMY	6487	
09	ADF	1240E	2019D	N20	E24	02	11.4	2	10	9	9	E	RAMY	6487	
09	DSD	1450E	2210D	N13	E05	02	10.0		02	9	9	E	HOLL	6484	
09	DSD	1450E	2210D	N16	E22	02	11.3		04	9	9	E	HOLL	6487	
09	AFS	1458E	2019D	S07	E29	02	11.8		02	9	9	E	RAMY	6490	
09	AFS	1618E	2210D	S08	E30	02	11.9		02	9	9	E	HOLL	6490	
09	SSB	1630		163	W33	02	14.7			0	0	E	HOLL		
09	AFS	1720E	0346D	N13	E15	02	10.8		03	9	9	E	PALE	6487	
09	AFS	1720E	0346D	S09	E24	02	11.5		03	9	9	E	PALE	6490	
09	AFS	1840E	2210D	N11	E18	02	11.1		02	8	7	E	HOLL	6487	
09	ASR	1841E	2210D	N20	W87	02	3.1			9	9	E	HOLL	6476	
09	AFS	1930E	0346D	S22	E25	02	11.7		01	9	9	E	PALE		
09	SSB	2017		167	W39	02	15.3			0	0	E	PALE		
09	AFS	2319E	1042D	N12	E17	02	11.2		03	9	9	E	LEAR	6487	
09	ADF	2322E	1042D	N11	E12	02	10.9	1	03	9	9	E	LEAR	6487	
09	AFS	2356E	0346D	S14	E16	02	11.2		02	9	9	E	PALE	6492	
10	BSL	0107	0120D	S50	W90	02	2.4	1				C	VORO		
10	APR	0110E	0300D	S25	E90	02	17.0	1				C	VORO		
10	ASR	0214E	0248D	N22	W78	02	4.1			9	9	E	PALE	6476	
10	AFS	0217E	0346D						01	9	9	E	PALE	6493	
10	ADF	0224E	1042D	S15	E43	02	13.3	1	02	9	9	E	LEAR	6488	
10	ASR	0235E	0545D	N21	W89	02	3.3			9	9	E	LEAR	6476	
10	ADF	0344E	0346D	N10	E11	02	11.0		06	9	9	E	PALE	6487	
10	AFS	0737E	1529D	S11	W47	02	6.8		02	9	9	E	SVTO	6480	
10	SSB	0738		154	W32	02	14.6			0	0	E	SVTO		
10	APR	0817E	1351	N47	E90	02	17.9	1		9	9	E	SVTO		
10	ASR	0848E	1529D	N27	E90	02	17.4			9	9	E	SVTO		
10	ASR	0910E	1042D	N25	E87	02	17.1			9	9	E	LEAR		
10	ADF	1016E	1529D	S11	E21	02	12.0	1	07	9	9	E	SVTO	6490	
10	ADF	1347E	2132D	N11	E05	02	10.9	1	04	9	9	E	RAMY	6487	
10	SSB	1935		163	W48	02	16.1			0	0	E	PALE		
10	ADF	1935E	1937D	N13	E02	02	11.0		06	9	9	E	PALE	6487	
10	ASR	1935E	1937D	N23	E90	02	17.7			9	9	E	PALE		
10	AFS	2001E	2003D	S11	E47	02	14.4		03	9	9	E	PALE	6489	
10	AFS	2334E	1040D	N13	E02	02	11.1		02	9	9	E	LEAR	6487	
10	DSD	2335E	1040D	S14	E44	02	14.3		04	9	9	E	LEAR	6489	
10	ASR	2336E	1040D	N24	E83	02	17.4			9	9	E	LEAR		
10	ADF	2358E	0300D	N21	E41	02	14.1	1				C	VORO		
11	APR	0007E	0301D	N20	W90	02	4.1	1				C	VORO		
11	APR	0007E	0301D	N23	E90	02	17.9	1				C	VORO		
11	AFS	0543E	1040D	S10	E42	02	14.4		02	9	9	E	LEAR	6489	
11	AFS	0840E	1040D	N11	W17	02	10.1		03	9	9	E	LEAR	6484	
11	AFS	2010E	2019D	N10	W08	02	11.2		03	9	9	E	RAMY	6487	
11	ADF	2015E	2019D	N10	W23	02	10.1	1	04	9	9	E	RAMY	6484	
11	AFS	2103E	2213D	N12	W23	02	10.1		03	9	9	E	PALE	6484	
11	DSD	2103E	2213D	N15	W27	02	9.8		03	9	9	E	PALE	6484	
11	DSD	2103E	2213D	N16	W09	02	11.2		02	9	9	E	PALE	6487	
11	AFS	2103E	2213D	N26	E69	02	17.2		03	9	9	E	PALE		
11	DSD	2103E	2213D	N30	E70	02	17.4		13	9	9	E	PALE		
11	AFS	2103E	2213D	S11	E38	02	14.7		03	9	9	E	PALE	6495	
12	ADF	0109E	0830D	N13	W29	02	9.8	1	02	9	9	E	LEAR	6484	
12	ADF	0245E	0952D	S14	W12	02	11.2	1	02	9	9	E	LEAR	6492	
12	AFS	1308E	1700D	N26	E61	02	17.3		02	9	9	E	RAMY	6496	

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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
12	AFS	1310E	1700D	S10	E29	02	14.7		02	9	9	E	RAMY	6495	
12	AFS	1313E	1700D	S12	W20	02	11.0		02	9	9	E	RAMY	6492	
12	DSD	1313E	1700D	S12	W21	02	11.0		03	9	9	E	RAMY	6492	
12	AFS	1315E	1700D	N11	W33	02	10.1		03	9	9	E	RAMY	6487	
12	DSD	1315E	1700D	N16	W35	02	9.9		02	9	9	E	RAMY	6487	
12	SSB	1324		456	W04	02	8.4			0	0	E	RAMY		
13	ADF	1335E	2024D	N08	W34	02	11.0	1	07	9	9	E	RAMY	6487	
13	DSD	1416E	1607D	N10	E15	02	14.7		03	9	9	E	RAMY	6495	
13	ADF	1424E	2023D	S13	W19	02	12.2	2	08	9	9	E	RAMY	6490	
13	ADF	1539E	0038D	N27	E50	02	17.5	1	05	9	9	E	HOLL	6496	
13	SSB	1602		458	W20	02	9.2			0	0	E	HOLL		132 W54 158 W80
13	SSB	1619		127	W50	02	16.0			0	0	E	RAMY		
13	BSD	1941E	2252D	S17	E79	02	19.8		05	9	9	E	HOLL	6497	
13	ADF	2336E	0258D	N38	W30	02	11.5	1				C	VORO		
13	AFS	2340E	0637D	S11	W40	02	11.0		03	9	9	E	LEAR	6492	
13	AFS	2341E	0637D	S13	W39	02	11.0		02	9	9	E	LEAR	6492	
13	AFS	2342E	0637D	S04	E08	02	14.6		03	9	9	E	LEAR	6495	
13	AFS	2343E	0637D	S09	W16	02	12.8		01	9	9	E	LEAR	6501	
13	AFS	2344E	0637D	S14	W16	02	12.8		02	9	9	E	LEAR		
13	ADF	2344E	0407D	S11	W34	02	11.4		05	9	9	E	PALE	6492	
13	APR	2344E	0300D	N02	W90	02	7.3	1				C	VORO		
14	DSD	0224E	0407D	N17	W51	02	10.2		04	9	9	E	PALE	6484	
14	AFS	0228E	0407D	S11	E04	02	14.4		03	9	9	E	PALE	6489	
14	SDF	0637E	0035D	S36	E08	02	14.9		47	0	0	E	LEAR		
14	AFS	1128E	1131D	N11	W58	02	10.1		07	9	9	E	RAMY	6484	
14	ADF	1133E	1133D	N11	W44	02	11.2	1	04	9	9	E	RAMY	6487	
14	AFS	1136E	1908D	S12	W43	02	11.2		02	9	9	E	RAMY	6492	
14	AFS	1217E	1845D	S11	W03	02	14.3		02	6	6	E	RAMY	6489	
14	AFS	1223E	1854D	S19	W17	02	13.2		03	9	9	E	RAMY		
14	AFS	1223E	1908D	S13	W23	02	12.8		03	9	9	E	RAMY	6502	
14	BSL	1407E	1429D	S23	W90	02	7.6			9	9	E	HOLL	6481	
14	BSL	1413E	1434	S23	W90	02	7.6	2		9	9	E	RAMY	6481	
14	APR	1429E	0032D	S23	W90	02	7.7	1		9	9	E	HOLL	6481	
14	APR	1434E	1910D	S23	W90	02	7.7	2		9	9	E	RAMY	6481	
14	AFS	1443E	0032D	S10	W24	02	12.8		02	8	8	E	HOLL	6501	
14	AFS	1444E	0032D	S15	W25	02	12.7		03	9	9	E	HOLL		
14	SSB	1447		438	W13	02	11.7			0	0	E	HOLL		453 W28 129 W64
14	ADF	1448E	0032D	N24	E35	02	17.3	1	12	9	9	E	HOLL	6498	
14	ADF	1448E	0032D	N26	E35	02	17.3	1	07	9	9	E	HOLL	6496	
14	SDF	1452E	1956D	S47	W02	02	14.4		30	0	0	E	HOLL		
14	AFS	1840E	1908D	S17	E63	02	19.6		03	9	9	E	RAMY	6497	
14	DSD	1842E	1908D	N22	E37	02	17.6		03	9	9	E	RAMY	6498	
14	DSD	1844E	1908D	S17	W15	02	13.6		03	9	9	E	RAMY	6488	
14	ADF	1904E	1908D	N10	W53	02	10.8	1	11	9	9	E	RAMY	6484	
14	ADF	1928E	0032D	S19	W13	02	13.8	1	04	9	9	E	HOLL	6488	
14	DSD	2100E	0302D	N09	W68	02	9.8		03	9	9	E	PALE	6484	
14	AFS	2337E	1030D	S14	W29	02	12.8		02	9	9	E	LEAR	6502	
15	AFS	0047E	1030D	N24	E32	02	17.5		02	9	9	E	LEAR	6496	
15	AFS	0051E	1030D	N10	W70	02	9.8		03	9	9	E	LEAR	6484	
15	ASR	0157E	1030D	S17	E90	02	21.9			9	9	E	LEAR		
15	SDF	0239E	1955D	S31	W32	02	12.6		18	0	0	E	PALE		
15	AFS	0240E	0302D	N23	E32	02	17.6		02	9	9	E	PALE	6496	
15	ASR	0253E	0302D	S17	E90	02	21.9			9	9	E	PALE		
15	AFS	0342E	1030D	S10	W29	02	13.0		02	9	9	E	LEAR	6501	
15	BSD	0542E	0559D	N12	W80	02	9.2		12	9	9	E	LEAR	6484	
15	SSB	1044		424	W10	02	13.6			0	0	E	SVTO		
15	AFS	1424E	1739D	N10	W72	02	10.2		03	9	9	E	RAMY	6484	
15	AFS	1425E	2214D	S14	W37	02	12.8		03	9	9	E	RAMY	6502	
15	DSD	1427E	1640D	N15	W57	02	11.3		03	9	9	E	RAMY	6487	
15	ASR	1432E	1646D	S17	E89	02	22.4			9	9	E	RAMY		
15	ADF	1433E	1640D	S10	E50	02	19.4	1	03	9	9	E	RAMY	6497	
15	SSB	1445		413	W01	02	14.6			0	0	E	HOLL		443 W31 126 W74
15	ADF	1457E	2205D	N11	W77	02	9.8	1	17	9	9	E	HOLL	6484	
15	AFS	1507E	1551D	S17	W40	02	12.6		02	9	9	E	SVTO	6502	
15	ADF	1513E	1551D	N10	W72	02	10.2	1	08	9	9	E	SVTO	6484	
15	ADF	1659E	2214D	N12	W75	02	10.0	1	11	9	9	E	RAMY	6484	
15	BSD	1735E	1748D	N13	W78	02	9.8		09	9	9	E	HOLL	6484	

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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	ASR	1735E	0423D	N12	W85	02	9.3			9	9	E	PALE	6484	
15	AFS	1735E	0423D	S13	W42	02	12.6		03	9	9	E	PALE	6502	
15	BSD	1738E	1838D	N14	W78	02	9.8		25	9	9	E	RAMY	6484	
15	ASR	1755E	1955D	S18	E90	02	22.6			9	9	E	RAMY		
15	SSB	1800		421	W12	02	14.2			0	0	E	PALE		
15	AFS	1800E	0423D	S11	W39	02	12.8		02	9	9	E	PALE	6501	
15	ASR	1800E	0423D	S17	E90	02	22.6			9	9	E	PALE		
15	ADF	1800E	0423D	S18	E50	02	19.5	1	06	9	9	E	PALE	6497	
15	DSD	1800E	2035D	N09	W69	02	10.6		04	9	9	E	PALE	6484	
15	ASR	2015E	2149D	N08	W90	02	9.1			9	9	E	RAMY	6484	
15	DSD	2035E	0423D	N12	W61	02	11.3		04	9	9	E	PALE	6487	
15	DSD	2035E	0423D	S05	E02	02	16.0		03	9	9	E	PALE	6500	
15	AFS	2035E	0423D	S10	E44	02	19.2		03	9	9	E	PALE	6497	
15	DSD	2135	0423D	S10	E44	02	19.2		03	9	9	E	PALE	6497	Flare Associated
16	ADF	0000E	0258D	N40	W28	02	13.7	1				C	VORO		
16	ASR	0015E	1040D	N16	W90	02	9.2			9	9	E	LEAR	6484	
16	AFS	0018E	1040D	S14	W43	02	12.8		03	9	9	E	LEAR	6502	
16	AFS	0022E	1040D	S16	E75	02	21.7		02	9	9	E	LEAR	6504	
16	APR	0030E	0300D	N40	W90	02	8.7	1				C	VORO		
16	WSL	0200	0232	N14	W90	02	9.3	2				C	VORO		
16	BSL	0216E	0302D	N14	W90	02	9.3			9	9	E	LEAR	6484	
16	ASR	0724E	1018D	N10	W90	02	9.5			9	9	E	SVTO	6484	
16	SSB	0738		423	W20	02	14.5			0	0	E	SVTO		
16	ASR	0753E	1018D	S18	E88	02	23.0			9	9	E	SVTO	6504	
16	AFS	0757E	1018D	S09	W48	02	12.7		02	9	9	E	SVTO	6501	
16	BSD	0915E	1018D	S11	E72	02	21.8		05	9	9	E	SVTO	6504	Flare Associated
16	ASR	1311E	1317D	N18	W90	02	9.7			9	9	E	RAMY	6484	
16	AFS	1805E	0407D	S11	W52	02	12.8		03	9	9	E	PALE	6501	
16	AFS	1805E	0407D	S13	E45	02	20.1		02	9	9	E	PALE		
16	AFS	1805E	0407D	S15	W55	02	12.6		03	9	9	E	PALE	6502	
16	ASR	1940E	0407D	S14	W85	02	10.4			9	9	E	PALE	6492	
16	ASR	2315E	1039D	S12	E84	02	23.3			9	9	E	LEAR		
17	ASR	0020E	0407D	S19	E90	02	23.9			9	9	E	PALE		
17	ASR	0045E	0407D	S13	W88	02	10.4			9	9	E	PALE	6487	
17	APR	0048E	0135D	N20	E90	02	23.9	1				C	VORO		
17	APR	0048E	0135D	S15	W90	02	10.2	1				C	VORO		
17	ADF	0130E	0732D	S12	E29	02	19.2	1	06	9	9	E	LEAR	6497	
17	ASR	0135E	0407D	S11	E90	02	23.8			9	9	E	PALE		
17	AFS	0205E	1039D	N22	E09	02	17.8		03	9	9	E	LEAR	6498	
17	AFS	0206E	1039D	S06	W25	02	15.2		03	9	9	E	LEAR	6491	
17	AFS	0235E	0407D	N30	E61	02	21.9		02	9	9	E	PALE		
17	AFS	0512E	1039D	S14	E41	02	20.3		03	9	9	E	LEAR		
17	AFS	0514E	1039D	S08	W57	02	12.9		03	9	9	E	LEAR	6501	
17	DSD	0540E	1039D	S16	E59	02	21.7		03	9	9	E	LEAR	6504	
17	ASR	0620E	1039D	S21	E90	02	24.2			9	9	E	LEAR		
17	ASR	0627E	1039D	N12	W75	02	11.6			9	9	E	LEAR	6487	
17	EPL	0800E	0900D	S21	E90	02	24.2	1				P	BUCA		
17	BSL	0805	0825	S19	E90	02	24.2	1				P	BUCA		
17	BSL	0845E	0855D	S20	E90	02	24.2					V	ATHN		
17	ASR	1110E	2212D	S13	E90	02	24.2			9	9	E	RAMY		
17	ADF	1114E	2212D	S13	E55	02	21.6	1	07	9	9	E	RAMY	6504	
17	AFS	1114E	2212D	S18	E57	02	21.8		02	9	9	E	RAMY	6504	
17	SSB	1547		400	W18	02	17.6			0	0	E	RAMY		442 W57
17	AFS	1805E	0331D	N28	E51	02	21.7		02	9	9	E	PALE		
17	ASR	1805E	0331D	S20	E90	02	24.6			9	9	E	PALE		
17	AFS	1805E	0331D	S22	W60	02	13.1		02	9	9	E	PALE		
17	ASR	1805E	2343D	N14	W90	02	10.9			9	9	E	PALE	6487	
17	AFS	1805E	2343D	S10	W66	02	12.8		03	9	9	E	PALE	6501	
17	AFS	1805E	2343D	S14	W67	02	12.7		03	9	9	E	PALE	6502	
17	ASR	1805E	2344D	S12	E90	02	24.5			9	9	E	PALE		
17	ASR	1838E	2357D	N13	W90	02	11.0			9	9	E	HOLL	6487	
17	AFS	1857E	2357D	S18	E53	02	21.8		03	9	9	E	HOLL	6504	
17	AFS	1912E	2357D	S04	E63	02	22.5		02	9	9	E	HOLL		
17	AFS	1912E	2357D	S13	E19	02	19.2		02	9	9	E	HOLL	6497	
17	AFS	1912E	2357D	S14	E32	02	20.2		02	9	9	E	HOLL	6505	
17	ASR	1912E	2357D	S14	E85	02	24.2			9	9	E	HOLL		
17	ASR	1912E	2357D	S21	E86	02	24.4			9	9	E	HOLL		
17	AFS	1935E	0331D	S13	E31	02	20.1		03	9	9	E	PALE	6505	

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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
17	SSB	1940		402	W19	02	17.7			0	0	E	PALE		428 W45
17	AFS	2205E	2357D	S23	W64	02	13.0		02	9	9	E	HOLL		
17	DSD	2215E	2357D	S17	W23	02	16.2		04	9	9	E	HOLL		
17	DSD	2219E	0331D	N29	E50	02	21.8		03	9	9	E	PALE	6506	
17	AFS	2219E	0331D	S17	E26	02	19.9		02	9	9	E	PALE		
17	DSD	2225E	2357D	S04	E58	02	22.3		04	9	9	E	HOLL	6507	
17	SSB	2230		403	W22	02	17.7			0	0	E	HOLL		
18	AFS	0117E	0331D	S04	E58	02	22.4		03	9	9	E	PALE	6507	
18	ASR	0117E	0331D	S11	E90	02	24.8			9	9	E	PALE	6508	
18	DSD	0240E	0331D	S25	W68	02	12.8		04	9	9	E	PALE		
18	ASR	0300E	0331D	N16	W90	02	11.3			8	8	E	PALE	6487	
18	AFS	0533E	1030D	S16	E52	02	22.2		02	9	9	E	LEAR	6504	
18	AFS	0534E	1030D	S12	E15	02	19.4		03	9	9	E	LEAR	6497	
18	AFS	0535E	1030D	N29	E51	02	22.2		02	9	9	E	LEAR	6506	
18	AFS	0536E	1030D	S04	E55	02	22.3		03	9	9	E	LEAR	6507	
18	DSD	0825	0845	S07	W68	02	13.2					P	BUCA		
18	ASR	0858E	1333D	S13	E90	02	25.2			9	9	E	SVTO	6508	
18	ASR	0908E	1030D	S13	E90	02	25.2			9	9	E	LEAR	6508	
18	AFS	1032E	1333D	S10	E11	02	19.3		02	9	9	E	SVTO	6497	
18	AFS	1038E	1333D	N32	E46	02	22.1		02	9	9	E	SVTO	6506	
18	AFS	1134E	1333D	S03	E51	02	22.3		02	8	9	E	SVTO	6507	
18	AFS	1146E	2102D	S17	E16	02	19.7		02	9	9	E	RAMY	6510	
18	DSD	1149E	1532D	S20	E82	02	24.8		03	9	9	E	RAMY	6509	
18	ADF	1149E	2102D	S26	E82	02	24.9	1	08	9	9	E	RAMY	6509	
18	ASR	1152E	1413D	S11	E90	02	25.3			9	9	E	RAMY	6508	
18	AFS	1204E	1613D	S19	E46	02	22.0		02	9	9	E	RAMY	6504	
18	SSB	1226		389	W16	02	11.8			0	0	E	RAMY		417 W44 448 W75
18	AFS	1226E	1333D	S16	E42	02	21.7		02	6	7	E	SVTO	6504	
18	AFS	1324E	1333D	S23	W75	02	12.8		02	9	9	E	SVTO		
18	DSD	1402E	1533D	N31	E44	02	22.0		04	9	9	E	RAMY	6506	
18	BSL	1616	1625	S08	E83	02	24.9			9	9	E	RAMY	6508	
18	ASR	1750E	1903D	S12	W85	02	12.3			9	9	E	PALE	6502	
18	CAP	1750E	1903D	S13	W88	02	12.1		02	9	9	E	PALE	6502	
18	ASR	1750E	1957D	N12	E90	02	25.5			9	9	E	PALE		
18	AFS	1750E	1957D	S23	W73	02	13.1		02	9	9	E	PALE	6511	
18	DSD	1755E	1957D	N28	E38	02	21.7		05	9	9	E	PALE	6506	
18	AFS	1755E	1957D	N29	E40	02	21.9		03	9	9	E	PALE	6506	
18	AFS	1802E	1957D	S03	E49	02	22.4		03	9	9	E	PALE	6507	
18	DSD	1802E	1957D	S03	E51	02	22.6		02	9	9	E	PALE	6507	
18	AFS	1802E	1957D	S12	E09	02	19.4		03	9	9	E	PALE	6497	
18	BSD	1903E	1957D	S03	W83	02	12.6		13	9	9	E	PALE	6501	
18	ASR	2335E	0022D	S12	W90	02	12.2			9	9	E	HOLL	6502	
18	BSL	2344	0022D	S12	W90	02	12.2			9	9	E	HOLL	6502	
19	AFS	0058E	0718D	S04	W54	02	15.0		02	9	9	E	LEAR	6495	
19	AFS	0059E	0718D	S12	E03	02	19.3		02	9	9	E	LEAR	6497	
19	AFS	0100E	0718D	S09	W34	02	16.5		02	9	9	E	LEAR	6500	
19	ASR	0101E	0718D	S09	W90	02	12.3			9	9	E	LEAR	6501	
19	DSD	0102E	0718D	S12	E16	02	20.2		03	9	9	E	LEAR	6505	
19	AFS	0103E	0718D	N31	E39	02	22.1		03	9	9	E	LEAR	6506	
19	DSD	0104E	0718D	S04	E41	02	22.1		03	9	9	E	LEAR	6507	
19	AFS	0104E	0718D	S04	E45	02	22.4		02	9	9	E	LEAR	6507	
19	AFS	0105E	0718D	S24	W77	02	13.1		02	9	9	E	LEAR	6511	
19	ASR	0652E	1534D	S12	W90	02	12.5			9	9	E	SVTO	6502	
19	ASR	0720E	1534D	S07	W90	02	12.6			9	9	E	SVTO	6501	
19	AFS	0722E	1534D	S05	W58	02	15.0		02	9	9	E	SVTO	6495	
19	AFS	0742E	1534D	N31	E35	02	22.1		03	9	9	E	SVTO	6506	
19	AFS	0755E	1534D	S12	E00	02	19.3		02	9	9	E	SVTO	6497	
19	ADF	0756E	1534D	N22	E52	02	23.3	1	16	8	9	E	SVTO		
19	APR	0759E	1015D	N20	E60	02	23.9	1		9	9	E	SVTO		
19	APR	0800E	0900D	S24	W90	02	12.4	1				P	BUCA		
19	EPL	1015E	1520D	N20	E60	02	24.0	1		9	9	E	SVTO		
19	ASR	1028E	1534D	S21	W90	02	12.5			9	9	E	SVTO	6511	
19	ASR	1040E	1534D	N16	E88	02	26.1			9	9	E	SVTO		
19	AFS	1200E	1534D	S08	W42	02	16.3		01	9	9	E	SVTO		
19	DSD	1522E	0040D	S23	E65	02	24.6		06	9	9	E	HOLL	6509	
19	AFS	1524E	0040D	N28	E31	02	22.1		03	9	9	E	HOLL	6506	
19	AFS	1525E	0040D	S02	W65	02	14.8		04	9	9	E	HOLL	6495	
19	ASR	1526E	0040D	S09	W90	02	12.9			9	9	E	HOLL	6501	

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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	ASR	1527E	0040D	S23	W90	02	12.7			9	9	E	HOLL	6511	
19	ASR	1535E	0040D	N11	E90	02	26.4			9	9	E	HOLL	6414	
19	DSD	1642E	0040D	N30	E28	02	21.9		05	9	9	E	HOLL	6506	
19	ASR	1727E	0322D	S23	W90	02	12.8			9	9	E	PALE	6511	
19	AFS	1730E	0322D	N29	E31	02	22.1		03	9	9	E	PALE	6506	
19	APR	1734E	0322D	N08	E90	02	26.5			9	9	E	PALE		
19	ASR	1758E	2201D	S23	W89	02	12.9			9	9	E	RAMY	6511	
19	AFS	1800E	2201D	S03	W63	02	15.0		03	9	9	E	RAMY	6495	
19	AFS	1804E	2201D	S12	W04	02	19.4		03	9	9	E	RAMY	6497	
19	DSD	1805E	1848D	S12	E03	02	20.0		02	9	9	E	RAMY	6505	
19	DSD	1811E	2201D	N30	E28	02	21.9		03	9	9	E	RAMY	6506	
19	APR	1813E	2201D	N10	E90	02	26.5	1		7	7	E	RAMY	6513	
19	ADF	1815E	2201D	S07	E58	02	24.1	2	19	9	9	E	RAMY	6508	
19	DSD	1831E	2138D	S02	W65	02	14.9		03	9	9	E	RAMY	6495	
19	AFS	1835E	0322D	S04	W65	02	14.9		03	9	9	E	PALE	6495	
19	DSD	1840E	0322D	S13	W05	02	19.4		03	9	9	E	PALE	6497	
19	DSD	1845E	0322D	S17	E27	02	21.8		02	9	9	E	PALE	6504	
19	AFS	1848E	0322D	S04	E35	02	22.4		02	9	9	E	PALE	6507	
19	ASR	1850E	0322D	S11	E90	02	26.5			8	8	E	PALE	6502	
19	APR	2025E	0040D	S18	W90	02	13.0	1		8	8	E	HOLL	6511	
19	AFS	2030E	0040D	S07	W47	02	16.3		01	9	9	E	HOLL	6512	
19	APR	2045E	0322D	S20	W90	02	13.0			8	8	E	PALE	6511	
20	APR	0006E	0300D	S27	W90	02	13.0	1				C	VORO		
20	ADF	0007E	0258D	S28	W39	02	16.9	1				C	VORO		
20	APR	0015E	0300D	N20	W90	02	13.1	1				C	VORO		
20	ADF	0020E	0040D	S18	E60	02	24.6	1	04	9	9	E	HOLL	6509	
20	ASR	0427E	0828D	S27	W90	02	13.2			9	9	E	LEAR	6511	
20	AFS	0438E	0828D	S07	W50	02	16.4		02	9	9	E	LEAR	6512	
20	BSL	0444E	0717D	S35	W90	02	13.0			9	9	E	LEAR		
20	ASR	0655E	1444D	S26	W90	02	13.3			9	9	E	SVTO	6511	
20	AFS	0656E	1444D	N29	E21	02	21.9		02	9	9	E	SVTO	6506	
20	ADF	0657E	1444D	S04	E27	02	22.3	1	08	9	9	E	SVTO	6507	
20	ADF	0658E	1444D	S02	E65	02	25.1	1	14	8	9	E	SVTO	6508	
20	ADF	0659E	1444D	S13	E52	02	24.2	1	05	9	9	E	SVTO	6508	
20	AFS	0700E	1444D	S12	W13	02	19.3	1	03	9	9	E	SVTO	6497	
20	AFS	0701E	1444D	S08	W53	02	16.3	1	04	9	9	E	SVTO	6512	
20	AFS	0702E	1444D	S03	W73	02	14.8		02	8	8	E	SVTO	6495	
20	EPL	0800E	0855D	S27	W90	02	13.3	1				P	BUCA		
20	DSD	1132E	1728D	N06	W23	02	18.7		03	9	9	E	RAMY	6515	
20	AFS	1136E	2210D	S06	W54	02	16.4		02	9	9	E	RAMY	6512	
20	ASR	1143E	2210D	S27	W90	02	13.5			9	9	E	RAMY	6511	
20	BSD	1323	1535D	S03	W73	02	15.1		04	9	9	E	RAMY	6495	Flare Associated
20	BSD	1329	1341	S04	W81	02	14.5		09	9	9	E	SVTO	6495	Flare Associated
20	SSB	1450		350	W04	02	16.9			0	0	E	HOLL		
20	DSD	1457E	1851D	S25	E49	02	24.4		02	9	9	E	HOLL	6509	
20	DSD	1515E	1851D	S15	E46	02	24.1		02	9	9	E	HOLL	6508	
20	ASR	1526E	0045D	S25	W90	02	13.7			9	9	E	HOLL	6511	
20	ADF	1534E	2210D	S13	E48	02	24.3	1	06	9	9	E	RAMY	6508	
20	ASR	1543E	0045D	S11	E90	02	27.4			9	9	E	HOLL		
20	AFS	1553E	0045D	S13	W18	02	19.3		02	8	8	E	HOLL	6497	
20	DSD	1555E	1851D	S04	E18	02	22.0		02	9	9	E	HOLL	6507	
20	ADF	1846E	0045D	S03	E27	02	22.8	2	07	9	9	E	HOLL	6507	
20	DSD	2008E	0244D	S12	W21	02	19.2		02	9	9	E	PALE	6497	
20	ASR	2043E	0244D	S10	E90	02	27.6			9	9	E	PALE		
20	AFS	2044E	0244D	N15	E60	02	25.4		03	9	9	E	PALE	6513	
20	DSD	2105E	0045D	S15	W22	02	19.2		05	9	9	E	HOLL	6497	
20	AFS	2145E	0045D	N11	E56	02	25.1		02	9	9	E	HOLL	6514	
20	DSD	2215E	2333D	S14	E41	02	24.0		06	9	9	E	HOLL		Flare Associated
20	DSD	2333E	0045D	S12	E49	02	24.7		09	9	9	E	HOLL	6508	Flare Associated
21	AFS	0101E	1020D	S12	W25	02	19.1		04	9	9	E	LEAR	6497	
21	DSD	0102E	1020D	N12	E53	02	25.0		03	9	9	E	LEAR	6413	
21	AFS	0102E	1020D	N12	E56	02	25.3		03	9	9	E	LEAR	6413	
21	DSD	0102E	1020D	N28	E13	02	22.0		04	9	9	E	LEAR	6406	
21	DSD	0103E	1020D	N19	E69	02	26.3		04	9	9	E	LEAR	6414	
21	AFS	0104E	1020D	S14	E52	02	25.0		03	9	9	E	LEAR	6508	
21	DSD	0104E	1020D	S17	E52	02	25.0		03	9	9	E	LEAR	6508	
21	ADF	0105E	1020D	S25	E47	02	24.7	1	06	9	9	E	LEAR	6409	
21	APR	0208E	0300D	N18	W90	02	14.2	1				C	VORO		

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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	APR	0209E	0259D	N60	E23	02	23.1	1				C	VORO		
21	WSL	0229E	0300	S20	E90	02	28.0	1				C	VORO		
21	AFS	1134E	2118D	S23	E34	02	24.1		02	9	9	E	RAMY	6509	
21	DSD	1505E	0048D	S14	E32	02	24.0		07	9	9	E	HOLL		Flare Associated
21	DSD	1542E	0048D	S12	E40	02	24.7		03	9	9	E	HOLL	6508	
21	ADF	1549E	0048D	N16	E65	02	26.6	1	10	9	9	E	HOLL	6514	
21	AFS	1617E	2118D	N07	W43	02	18.4		02	9	9	E	RAMY	6515	
21	SSB	1630		341	W09	02	18.6			0	0	E	HOLL		
21	AFS	1631E	2118D	N17	E55	02	25.9		02	9	9	E	RAMY	6514	
21	DSD	1634E	2030D	S18	E40	02	24.7		03	9	9	E	RAMY	6409	
21	AFS	1658E	2118D	S14	E31	02	24.0		02	9	9	E	RAMY		
21	DSD	1749E	1832D	S10	W36	02	19.0		02	9	9	E	HOLL	6497	
21	SSB	1845		341	W11	02	18.7			0	0	E	RAMY		398 W68
21	ADF	1848E	2118D	N14	E61	02	26.4	1	07	9	9	E	RAMY	6514	
21	DSD	2017E	2047D	S06	E08	02	22.4		05	9	9	E	HOLL	6507	Flare Associated
21	DSD	2020E	2049D	N06	E09	02	22.5		06	9	9	E	RAMY	6507	
21	DSD	2125E	0420D	S12	W35	02	19.2		03	9	9	E	PALE	6497	
21	ADF	2130E	0420D	S16	E39	02	24.8	1	07	9	9	E	PALE	6508	
22	AFS	0020E	0420D	N07	W49	02	18.3		01	9	9	E	PALE	6515	
22	AFS	0025E	1029D	S26	E31	02	24.4		02	6	6	E	LEAR	6509	
22	DSD	0030E	0420D	S19	E00	02	22.0		02	9	9	E	PALE	6504	
22	AFS	0035E	1029D	S11	W36	02	19.3		02	5	6	E	LEAR	6497	
22	AFS	0038E	0420D	S25	E31	02	24.4		02	9	9	E	PALE	6509	
22	ADF	0355E	1029D	S16	E36	02	24.9	1	06	6	8	E	LEAR	6509	
22	AFS	0735E	1218D	S17	W04	02	22.0		03	9	9	E	SVTO	6504	
22	AFS	0736E	1218D	N08	W51	02	18.5		02	9	9	E	SVTO	6515	
22	ADF	0844E	1218D	S04	E03	02	22.6	1	09	9	9	E	SVTO	6505	Flare Associated
22	ADF	0911E	1029D	S04	E00	02	22.4	1	02	9	9	E	LEAR	6507	
22	SSB	0931		267	W00	02	27.4			0	0	E	SVTO		
22	ADF	1242E	2108D	S20	E26	02	24.5	1	06	9	9	E	RAMY	6509	
22	DSD	1337	1524D	N23	W62	02	17.8		04	9	9	E	RAMY	6498	Flare Associated
22	DSD	1452E	1813D	S09	W47	02	19.1		03	9	9	E	HOLL	6497	
22	AFS	1452E	2340D	S12	W43	02	19.4		02	9	9	E	HOLL	6497	
22	ADF	1453E	2340D	N21	W68	02	17.4	1	07	9	9	E	HOLL	6498	
22	ADF	1455E	0028D	S16	E26	02	24.6	1	09	9	9	E	HOLL	6509	
22	AFS	1455E	2333D	S25	E23	02	24.4		02	9	9	E	HOLL	6509	
22	ADF	1755E	0413D	N15	E43	02	26.0		14	9	9	E	PALE	6514	
22	AFS	1755E	0413D	N30	W09	02	22.0		03	9	9	E	PALE	6506	
22	ADF	1755E	0413D	S06	E38	02	25.6	1	12	9	9	E	PALE	6508	
22	ADF	1755E	0413D	S16	E26	02	24.7	1	06	9	9	E	PALE	6509	
22	DSD	2042E	0413D	N18	E41	02	26.0		02	9	9	E	PALE	6514	
22	DSD	2042E	0413D	N23	W72	02	17.3		04	9	9	E	PALE	6498	
22	SSB	2048		322	W06	02	21.2			0	0	E	PALE		349 W32
22	ADF	2353E	0005D	N17	W05	02	22.6	1				C	VORO		
23	DSD	0010E	0413D	S11	W52	02	19.1		03	9	9	E	PALE	6497	
23	DSD	0010E	0413D	S16	E25	02	24.9		03	9	9	E	PALE	6508	
23	AFS	0010E	0413D	S22	E19	02	24.5		03	9	9	E	PALE	6509	
23	AFS	0015E	0028D	N08	W60	02	18.5		02	9	9	E	HOLL	6515	
23	DSD	0135E	0413D	S17	W15	02	21.9		03	9	9	E	PALE	6504	
23	EPL	1034E	1516D	N09	E90	03	2.2			9	9	E	SVTO		
23	SSB	1039		359	W50	02	18.4			0	0	E	SVTO		267 W00
23	ADF	1044E	1516D	S12	E20	02	24.9	2	08	9	9	E	SVTO	6509	
23	AFS	1119E	1618D	S27	E14	02	24.6		02	9	9	E	RAMY	6509	
23	DSD	1128E	1409D	S09	W55	02	19.3		04	9	9	E	RAMY	6497	
23	SSB	1404		351	W44	02	19.4			0	0	E	RAMY		375 W68
23	DSD	1406E	1535D	S13	E59	02	28.0		04	9	9	E	RAMY	6516	
23	AFS	1455E	1859D	S17	W21	02	22.0		02	9	9	E	HOLL	6504	
23	ADF	1456E	1859D	S17	E13	02	24.6	1	08	9	9	E	HOLL	6509	
23	ASR	1735E	0432D	N24	W90	02	16.8			9	9	E	PALE	6498	
23	ADF	1740E	0432D	S17	E11	02	24.6	1	05	9	9	E	PALE	6509	
24	AFS	0108E	0432D	S06	W24	02	22.2		01	9	9	E	PALE	6507	
24	AFS	0150E	0432D	S22	E07	02	24.6		01	9	9	E	PALE	6509	
24	AFS	0150E	0432D	S25	E04	02	24.4		02	9	9	E	PALE	6509	
24	AFS	0320E	0432D	S13	E03	02	24.4		03	9	9	E	PALE	6517	
24	DSD	0355E	0432D	S21	E03	02	24.4		01	9	9	E	PALE	6509	Flare Associated
24	ADF	0636E	1034D	S17	E07	02	24.8	1	08	9	9	E	LEAR	6509	
24	AFS	0700E	1034D	S25	E02	02	24.4		02	9	9	E	LEAR	6509	

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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	AFS	0701E	1034D	S10	W66	02	19.3		02	9	9	E	LEAR	6497	
24	AFS	0702E	1034D	S16	W27	02	22.2		02	9	9	E	LEAR	6504	
24	ASR	0710E	1034D	N21	W90	02	17.4			9	9	E	LEAR		
24	ADF	0711E	1034D	S25	E71	03	1.8	1	21	9	9	E	LEAR	6518	
24	ASR	0730E	1130D	N20	W90	02	17.4			9	9	E	SVTO		
24	SSB	0733		268	W00	03	1.4			0	0	E	SVTO		
24	ADF	0749E	1512D	S16	E07	02	24.8	1	08	9	9	E	SVTO	6508	
24	AFS	0915E	1443D	S12	W69	02	19.2		03	9	9	E	SVTO	6497	
24	AFS	0916E	1443D	S19	W06	02	23.9		02	9	9	E	SVTO	6509	
24	AFS	1120E	2125D	S07	E41	02	27.5		02	9	9	E	RAMY	6516	
24	ADF	1123E	2125D	S15	E04	02	24.8	1	07	9	9	E	RAMY	6509	
24	DSD	1132E	1401D	S10	W68	02	19.4		04	9	9	E	RAMY	6497	
24	ASR	1139	1400D	N20	W90	02	17.6			9	9	E	SVTO		
24	ASR	1145E	2057D	N20	W90	02	17.6			9	9	E	RAMY		
24	DSD	1551E	0040D	S16	W34	02	22.1		02	9	9	E	HOLL	6504	
24	DSD	1551E	1926D	S16	W38	02	21.8		05	9	9	E	HOLL	6504	
24	DSD	1552E	1927D	S13	E04	02	25.0		03	9	9	E	HOLL	6508	
24	ASR	1553E	0040D	N07	W90	02	17.9			8	8	E	HOLL	6515	
24	ADF	1554E	1928D	S24	E56	03	1.0	2	07	9	9	E	HOLL	6518	
24	ADF	1557E	1852D	N15	E64	03	1.5	2	06	9	9	E	HOLL		
24	SDF	1557E	1852D	N17	E59	03	1.1		08	0	0	E	HOLL	6520	
24	AFS	1638E	0040D	S09	E42	02	27.8		02	9	9	E	HOLL	6516	
24	ADF	2119	2124D	S03	W30	02	22.6	2	03	9	9	E	RAMY	6507	Flare Associated
24	DSD	2339E	0040D	S09	W77	02	19.2		04	9	9	E	HOLL	6497	
25	ASR	0058E	0417D	N05	W90	02	18.3			9	9	E	PALE	6515	
25	AFS	0103E	0417D	S08	E37	02	27.8		02	9	9	E	PALE	6516	
25	DSD	0106E	0417D	S15	W43	02	21.8		03	9	9	E	PALE	6504	
25	AFS	0110E	0417D	S16	W06	02	24.6		02	9	9	E	PALE	6509	
25	DSD	0135E	0417D	N16	E05	02	25.4		03	9	9	E	PALE	6513	Flare Associated
25	ADF	0243E	0256D	N04	W24	02	23.3	1				C	VORO		
25	ADF	0243E	0256D	N41	W12	02	24.1	1				C	VORO		
25	AFS	0440E	0841D	S08	E32	02	27.6		03	9	9	E	LEAR	6516	
25	ASR	0453E	0841D	N08	W81	02	19.1			9	9	E	LEAR	6515	
25	AFS	0453E	0841D	S09	W81	02	19.1		02	9	9	E	LEAR	6497	
25	AFS	0630E	1616D	S11	E08	02	25.9		02	9	9	E	SVTO	6521	
25	ADF	0632E	1616D	S12	W02	02	25.1	1	15	9	9	E	SVTO	6508	
25	ADF	0634E	1616D	S16	W05	02	24.9	1	08	9	9	E	SVTO	6509	
25	BSL	0818	0822	S18	W82	02	19.1			9	9	E	SVTO	6497	Flare Associated
25	EPL	0828	0839D	S18	W84	02	18.9			9	9	E	SVTO	6497	Flare Associated
25	LPS	0828	1432D	S13	W84	02	19.0			9	9	E	SVTO	6497	Flare Associated
25	ADF	1000E	1616D	N15	E01	02	25.5	1	07	9	9	E	SVTO	6513	
25	AFS	1020E	1616D	N27	E06	02	25.9		01	9	9	E	SVTO		
25	AFS	1024E	1616D	S07	E28	02	27.5		01	7	8	E	SVTO	6516	
25	LPS	1107E	1110D	S13	W90	02	18.7			9	9	E	RAMY	6497	
25	ADF	1138E	2051D	S17	W11	02	24.6	1	08	9	9	E	RAMY	6509	
25	AFS	1327E	1614D	S10	E04	02	25.9		03	8	8	E	RAMY		
25	LPS	1405E	1610D	S13	W90	02	18.8			9	9	E	HOLL	6497	
25	ASR	1432E	2345D	S13	W90	02	18.8			9	9	E	HOLL	6497	
25	ADF	1435E	2345D	S10	W07	02	25.1	2	08	9	9	E	HOLL	6508	
25	SSB	1502		287	W07	03	4.1			0	0	E	HOLL		326 W46
25	DSD	1557E	2002D	S12	E28	02	27.8		02	9	9	E	HOLL	6516	
25	AFS	1558E	2046D	S12	E07	02	26.2		01	8	8	E	RAMY		
25	DSD	1611E	1845D	S17	W45	02	22.2		04	9	9	E	RAMY	6504	Flare Associated
25	SDF	1616E	0738D	S03	W09	02	25.0		11	0	0	E	SVTO	6508	
25	DSD	1728E	1930D	S15	W23	02	24.0		08	9	9	E	HOLL	6517	Flare Associated
25	ADF	2049E	0050D	S24	E42	03	1.1		05	9	9	E	PALE	6518	
25	AFS	2053E	0050D	S03	W49	02	22.2		02	9	9	E	PALE	6507	
25	AFS	2055E	0050D	S17	W50	02	22.1		02	9	9	E	PALE	6504	
25	AFS	2057E	0413D	S09	W23	02	24.1		03	9	9	E	PALE	6517	
25	AFS	2058E	0050D	S07	E17	02	27.1		03	9	9	E	PALE	6516	
25	AFS	2111E	0413D	N29	E01	02	26.0		03	9	9	E	PALE	6522	
25	AFS	2112E	0050D	S24	W21	02	24.3		03	9	9	E	PALE	6509	
25	DSD	2315E	0158D	N12	W16	02	24.8		03	9	9	E	PALE	6513	
26	ADF	0027E	0300D	N10	W47	02	22.5	1				C	VORO		
26	AFS	0100E	0413D	N03	E53	03	2.0		03	9	9	E	PALE	6523	
26	DSD	0100E	0413D	N17	E45	03	1.5		03	9	9	E	PALE	6520	
26	ADF	0100E	0413D	S17	W19	02	24.6	1	09	9	9	E	PALE	6509	
26	SSB	0200		286	W12	03	4.6			0	0	E	PALE		

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	ASR	0230E	0246	S19	E87	03	4.7			9	9	E	PALE		
26	AFS	0250E	0413D	S08	E19	02	27.5		03	9	9	E	PALE	6516	
26	AFS	0305E	0809D	S24	W19	02	24.7		03	9	9	E	LEAR	6509	
26	AFS	0306E	0809D	S12	E20	02	27.6		02	9	9	E	LEAR	6516	
26	AFS	0609E	0809D	N27	W03	02	26.0		03	9	9	E	LEAR	6522	
26	ADF	0650E	1541D	S17	W18	02	24.9	1	09	9	9	E	SVTO	6509	
26	AFS	0655E	1541D	N27	W05	02	25.9		03	9	9	E	SVTO		
26	AFS	0718E	1541D	N05	E49	03	2.0		02	9	9	E	SVTO	6523	
26	ADF	0719E	1541D	N17	E01	02	26.4	1	08	9	9	E	SVTO	6514	
26	AFS	0721E	1541D	S12	W05	02	25.9		01	9	9	E	SVTO	6521	
26	ASR	0727E	0930D	S15	W90	02	19.5			9	9	E	SVTO	6497	
26	ASR	0728E	0809D	S12	W90	02	19.5			9	9	E	LEAR	6497	
26	ADF	1119E	2127D	S17	W23	02	24.7	1	07	9	9	E	RAMY	6509	
26	DSD	1125	1154D	S12	W07	02	25.9		02	9	9	E	RAMY	6521	Flare Associated
26	AFS	1153E	1155D	N03	E46	03	1.9		03	9	9	E	RAMY	6523	
26	DSD	1153E	1155D	N04	E47	03	2.0		03	9	9	E	RAMY	6523	
26	ADF	1212E	1655D	S22	W45	02	23.0	1	13	9	9	E	RAMY		
26	DSD	1222E	1513D	N15	W15	02	25.4		06	9	9	E	RAMY	6513	
26	AFS	1346E	2020D	S24	W29	02	24.3		03	9	9	E	RAMY	6509	
26	ASR	1432E	2345D	S13	W90	02	19.8			9	9	E	HOLL	6497	
26	AFS	1434E	2300D	N27	W08	02	26.0		02	9	9	E	HOLL	6522	
26	ADF	1435E	2300D	S17	W26	02	24.6	1	08	9	9	E	HOLL	6509	
26	ADF	1435E	2345D	S10	W07	02	26.1	2	08	9	9	E	HOLL	6508	
26	ADF	1439E	1852D	S11	E20	02	28.1	1	06	9	9	E	HOLL	6524	
26	SSB	1704		269	W03	03	3.9			0	0	E	RAMY		328 W62
26	AFS	1715E	0350D	N03	E43	03	1.9		03	9	9	E	PALE	6423	
26	AFS	1715E	0350D	N27	W09	02	26.0		03	9	9	E	PALE	6422	
26	DSD	1715E	0350D	N29	W63	02	21.8		04	9	9	E	PALE	6506	
26	DSD	1715E	0350D	S18	W34	02	24.1		03	9	9	E	PALE	6509	
26	ADF	1915E	0350D	S18	W30	02	24.5		08	9	9	E	PALE	6509	
26	SSB	1927		271	W06	03	4.1			0	0	E	HOLL		298 W33 331 W66
26	SSB	1932		270	W05	03	4.0			0	0	E	PALE		339 W65
26	DSD	2048E	0350D	N05	E45	03	2.2		04	9	9	E	PALE	6523	
27	AFS	0049E	1002D	N27	W13	02	26.0		04	9	9	E	LEAR	6522	
27	AFS	0053E	1002D	S08	E06	02	27.5		02	9	9	E	LEAR	6516	
27	ASR	0435E	1002D	S18	W90	02	20.3			9	9	E	LEAR	6497	
27	APR	0700E	1607D	N02	E90	03	6.0	1		9	9	E	SVTO		
27	AFS	0701E	1607D	N27	W18	02	25.9		03	8	8	E	SVTO	6522	
27	ADF	0702E	1502D	N18	W17	02	26.0	2	09	9	9	E	SVTO	6514	
27	AFS	0703E	1607D	N05	E35	03	1.9	1	02	9	9	E	SVTO	6523	
27	AFS	0704E	1607D	S13	W20	02	25.8	1	03	9	9	E	SVTO	6521	
27	ADF	0705E	1607D	S16	W32	02	24.9	1	12	9	9	E	SVTO	6509	
27	ADF	1120E	1430D	N17	W15	02	26.3	2	11	9	9	E	RAMY	6514	Flare Associated
27	AFS	1234E	2120D	N03	E33	03	2.0		02	9	9	E	RAMY	6523	
27	SSB	1303		271	W16	03	4.9			0	0	E	RAMY		318 W63
27	AFS	1309E	1657D	N09	E33	03	2.0		01	9	9	E	RAMY		
27	SDF	1400E	1915D	N10	E31	03	1.9		04	0	0	E	HOLL		
27	DSD	1435E	1924D	N15	W38	02	24.7		03	9	9	E	HOLL	6513	
27	ADF	1442E	1830D	N09	E29	03	1.8	1	07	9	9	E	HOLL		
27	AFS	1446E	0041D	N27	W21	02	26.0		02	9	9	E	HOLL	6522	
27	ADF	1447E	0041D	S15	W35	02	25.0	1	11	9	9	E	HOLL	6508	
27	SSB	1744		270	W18	03	5.1			0	0	E	HOLL		321 W69
27	DSD	1916E	2212D	N16	W40	02	24.8		04	9	9	E	HOLL	6513	Flare Associated
27	DSD	1948E	0015	S17	W72	02	22.3		17	9	9	E	PALE	6504	
27	AFS	1948E	0129D	N04	E30	03	2.1		03	9	9	E	PALE	6523	
27	AFS	1948E	0129D	N29	W24	02	25.9		02	8	8	E	PALE	6522	
27	DSD	1948E	0129D	S06	W08	02	27.2		02	9	9	E	PALE	6516	
27	DSD	1948E	0129D	S22	W36	02	25.0		02	9	9	E	PALE	6509	
27	DSD	2210E	0129D	N16	W42	02	24.7		06	9	9	E	PALE	6513	
27	SSB	2220		270	W20	03	5.3			0	0	E	PALE		320 W70
27	DSD	2225E	0129D	N29	W18	02	26.5		02	9	9	E	PALE	6522	
28	ADF	0005E	1038D	S07	W36	02	25.3	1	10	9	9	E	LEAR	6508	
28	ADF	0007E	0259D	N26	E34	03	2.6	2				C	VORO		
28	AFS	1003E	1202D	N04	E19	03	1.8		03	9	9	E	SVTO	6523	
28	ADF	1128E	1930D	S25	W48	02	24.7	2	15	9	9	E	RAMY	6509	
28	ASR	1238E	1830D	N26	W90	02	21.5			9	9	E	RAMY	6506	
28	ASR	1448	1525	S14	W90	02	21.8			9	9	E	RAMY	6504	
28	ASR	1710E	1747D	S03	W90	02	22.0			9	9	E	RAMY	6507	

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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
28	ASR	1755E	0331D	S15	W90	02	21.9			9	9	E	PALE	6504	
28	AFS	1807E	0331D	N03	E15	03	1.9		03	9	9	E	PALE	6523	
28	ASR	1823E	1903D	N31	W90	02	21.7			9	9	E	RAMY	6506	
28	ADF	2345E	1037D	S16	W55	02	24.8	1	07	9	9	E	LEAR	6509	
28	ASR	2346E	1037D	S16	W90	02	22.2			9	9	E	LEAR	6504	
28	ASR	2346E	1037D	S19	W90	02	22.1			9	9	E	LEAR	6504	
28	AFS	2347E	1037D	S12	W44	02	25.7		01	9	9	E	LEAR	6521	
28	AFS	2348E	1037D	N03	E10	03	1.7		02	9	9	E	LEAR	6523	

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 = Sudden Disappearing 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.

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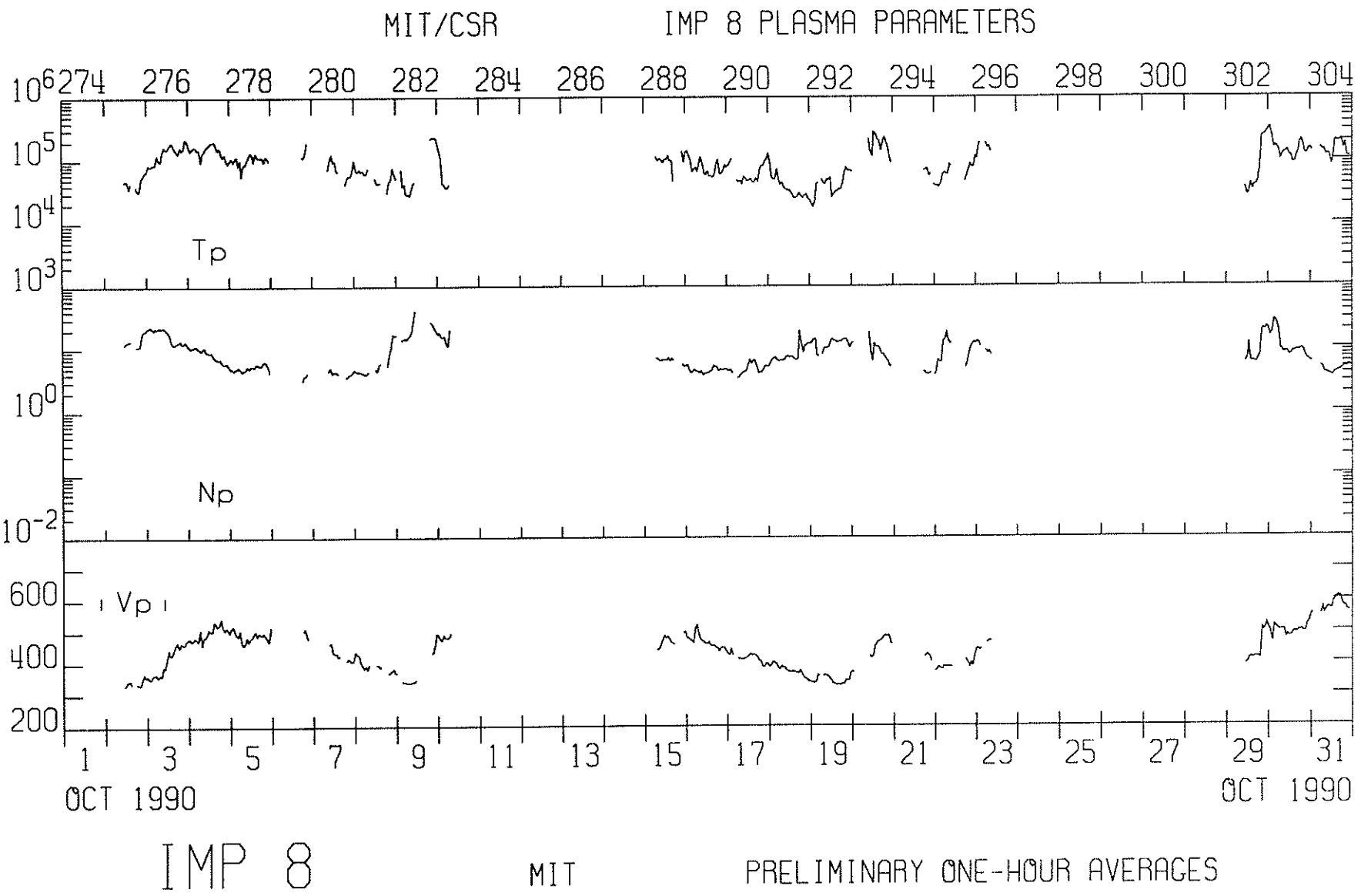
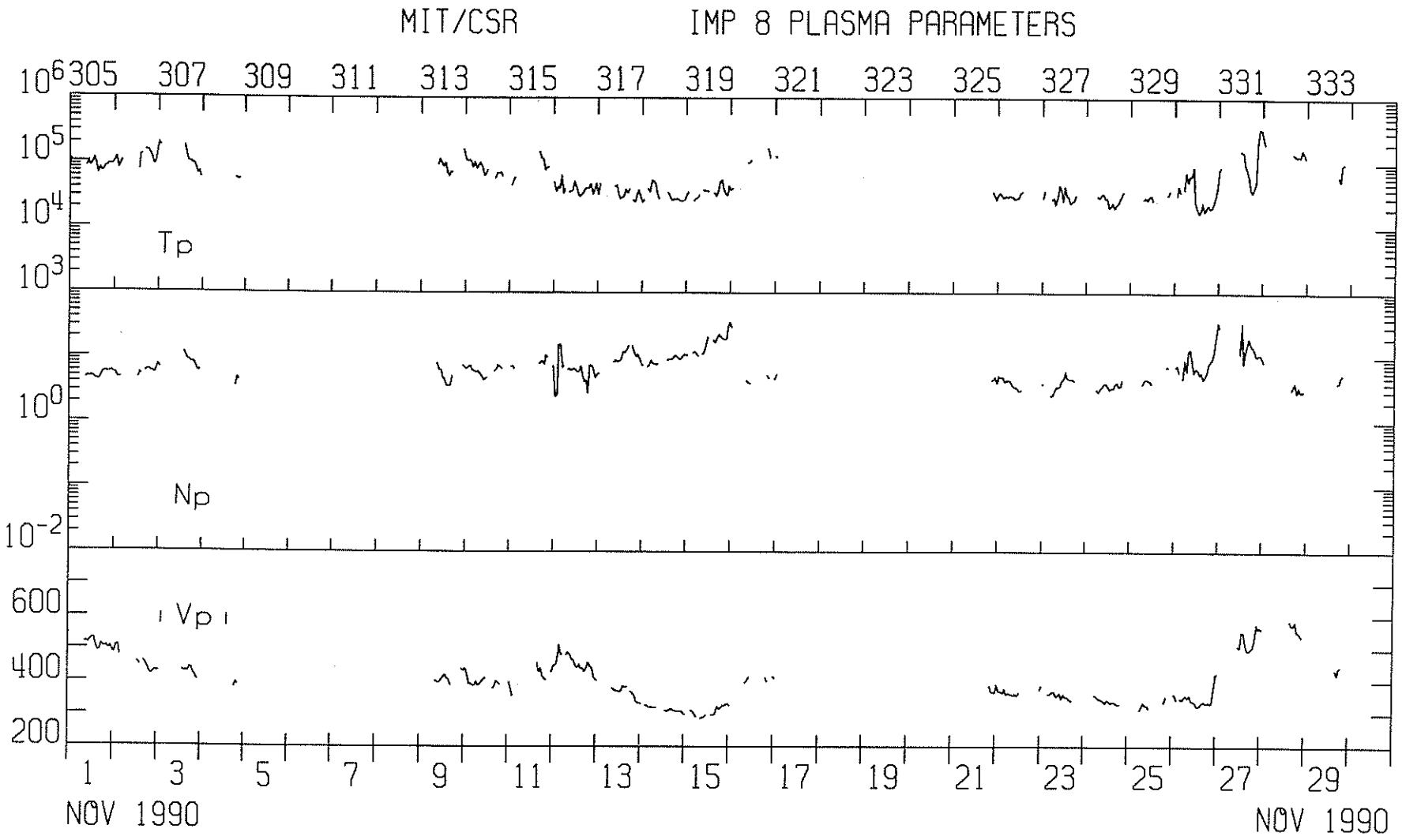
Late
Oct 90

IMP 8 SOLAR WIND PLASMA
OCTOBER 1990



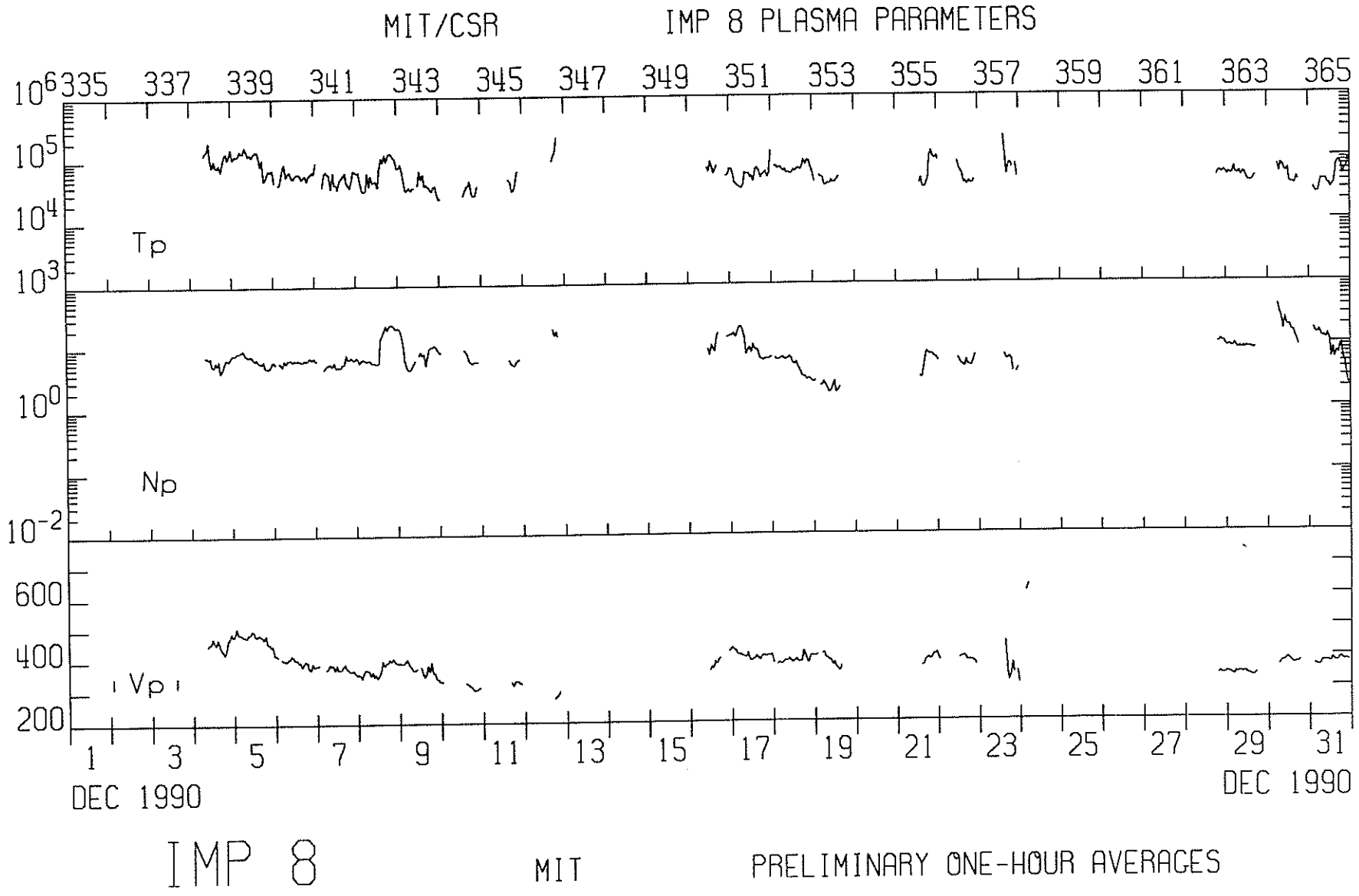
IMP 8 SOLAR WIND PLASMA
NOVEMBER 1990



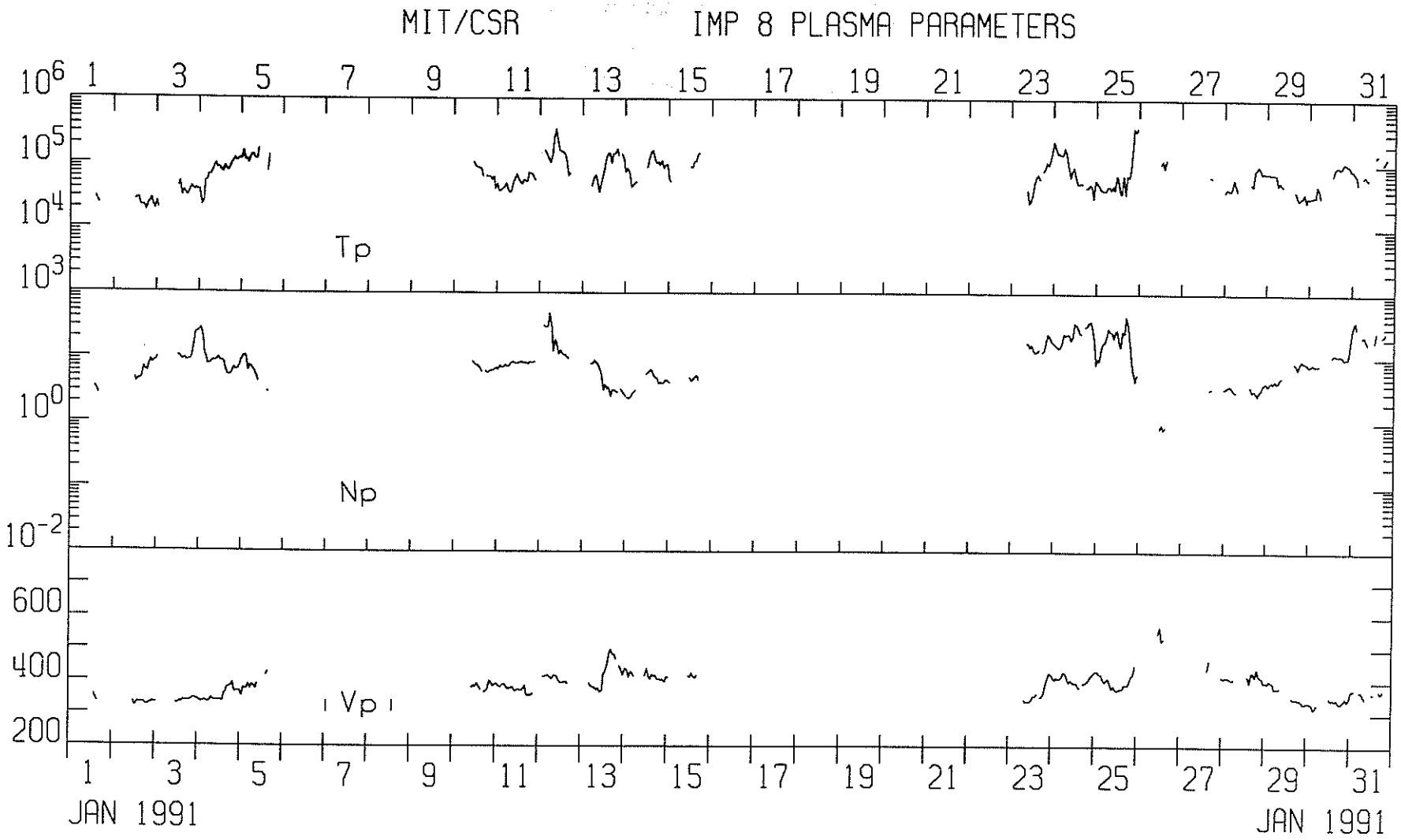
IMP 8 MIT PRELIMINARY ONE-HOUR AVERAGES

95
Late
Nov 90

IMP 8 SOLAR WIND PLASMA
DECEMBER 1990



IMP 8 SOLAR WIND PLASMA
JANUARY 1991



IMP 8 MIT PRELIMINARY ONE-HOUR AVERAGES

97
Late
Jan 91

1978 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												1372.84
2												1372.63
3												1372.70
4												1372.68
5												1372.78
6												1372.87
7												1373.37
8												1373.37
9												1372.40
10												1371.43
11												1371.40
12												1371.37
13												1371.35
14												1371.32
15												1372.30
16											1372.29	1372.87
17											1371.92	1372.85
18											1371.83	1372.42
19											1372.20	1372.84
20											1372.58	1373.00
21											1372.71	1372.73
22											1372.72	1372.45
23											1372.74	1373.11
24											1372.58	1373.34
25											1372.98	1373.28
26											1373.18	1373.23
27											1372.91	1373.61
28											1372.63	1373.66
29											1372.90	1373.17
30											1373.05	1372.68
31												1372.87

Eppley Lab

1979 DAILY MEAN SOLAR IRRADIANCE*
NIMBUS-7 (ERB Channel 10C)

Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1373.04	1374.11	1374.33	1373.67	1373.04	1373.81	1373.20	1373.97	1372.94	1372.63	1373.21	1373.14
2	1372.92	1373.85	1374.43	1373.59	1373.37	1373.05	1372.83	1373.84	1372.32	1372.97	1373.00	1373.20
3	1372.79	1373.71	1374.23	1373.52	1373.70	1372.70	1372.86	1373.70	1372.03	1373.04	1372.79	1373.03
4	1373.68	1373.56	1374.04	1373.60	1374.00	1372.35	1372.84	1373.67	1371.75	1373.40	1373.07	1372.93
5	1373.77	1373.63	1374.68	1373.68	1374.27	1372.29	1372.81	1373.79	1371.74	1373.09	1373.13	1372.83
6	1373.64	1373.70	1374.61	1374.00	1374.20	1372.35	1372.78	1373.67	1371.74	1372.78	1372.52	1373.14
7	1373.52	1373.81	1374.20	1374.33	1374.12	1372.39	1372.95	1373.56	1372.64	1372.56	1371.92	1373.46
8	1373.83	1373.92	1373.79	1374.26	1374.13	1372.44	1373.12	1373.54	1372.63	1372.48	1371.37	1373.44
9	1373.56	1374.20	1374.20	1374.18	1373.82	1372.40	1372.89	1373.66	1373.50	1372.46	1371.57	1373.42
10	1373.32	1373.87	1374.37	1373.49	1373.50	1372.06	1372.95	1373.47	1373.45	1372.43	1371.74	1373.66
11	1373.08	1373.66	1374.34	1373.76	1373.19	1372.04	1373.17	1372.89	1373.41	1372.59	1371.91	1373.64
12	1373.94	1373.45	1374.30	1373.76	1373.23	1372.02	1373.33	1372.93	1373.37	1372.91	1372.23	1373.67
13	1373.93	1374.27	1374.88	1373.71	1373.26	1372.44	1373.62	1373.04	1373.35	1373.03	1372.58	1373.71
14	1373.64	1374.19	1374.79	1373.67	1373.60	1372.78	1373.92	1372.89	1373.32	1373.15	1372.90	1373.70
15	1373.34	1373.68	1374.49	1373.69	1373.62	1372.83	1373.90	1372.73	1373.33	1373.37	1373.23	1373.71
16	1373.73	1373.17	1374.18	1373.68	1373.68	1373.88	1373.80	1372.51	1373.35	1373.09	1373.73	1373.49
17	1373.95	1373.41	1374.40	1373.75	1373.74	1373.08	1373.72	1372.47	1373.60	1372.83	1373.79	1373.26
18	1373.50	1372.86	1374.34	1373.94	1373.88	1373.25	1373.64	1372.25	1373.61	1372.57	1373.64	1373.30
19	1373.05	1372.66	1374.12	1374.21	1374.02	1373.22	1373.64	1372.02	1373.37	1372.96	1373.50	1373.34
20	1373.57	1372.46	1373.90	1374.21	1374.15	1373.19	1373.54	1372.08	1373.13	1373.12	1373.60	1373.08
21	1373.26	1373.41	1374.11	1374.23	1374.09	1373.39	1373.46	1371.78	1373.01	1373.26	1373.59	1372.82
22	1372.98	1373.93	1374.17	1374.25	1373.92	1373.54	1373.38	1371.64	1372.92	1373.40	1373.29	1372.85
23	1372.70	1373.85	1374.04	1373.98	1373.74	1373.37	1373.67	1371.62	1372.90	1373.71	1372.99	1372.80
24	1372.92	1373.77	1373.92	1373.94	1374.12	1373.21	1373.77	1372.25	1372.88	1373.58	1372.90	1372.82
25	1373.14	1373.90	1374.27	1373.90	1374.29	1373.39	1373.75	1371.97	1373.18	1373.38	1373.28	1372.84
26	1373.20	1374.02	1374.20	1373.83	1374.16	1373.60	1373.63	1371.87	1373.12	1373.19	1373.38	1373.31
27	1373.26	1373.95	1374.17	1373.69	1374.04	1373.58	1374.04	1371.77	1372.72	1372.93	1373.48	1373.35
28	1373.58	1373.87	1374.14	1373.75	1374.28	1373.49	1374.00	1372.33	1372.33	1373.07	1373.50	1373.21
29	1373.90		1374.59	1373.69	1374.22	1373.51	1373.92	1373.46	1372.03	1373.02	1373.55	1373.07
30	1374.13		1374.49	1373.36	1373.62	1373.58	1373.84	1373.34	1372.28	1372.96	1373.35	1373.28
31	1374.36		1374.08		1373.93		1373.98	1373.23		1372.78		1373.46

100
Misc
1980

1980 DAILY MEAN SOLAR IRRADIANCE*
NIMBUS-7 (ERB Channel 10C)

Eppley Lab — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1373.05	1372.51	1373.28	1371.10	1372.49	1372.68	1372.66	1372.74	1371.13	1372.95	1372.16	1372.39
2	1373.05	1372.16	1373.10	1373.08	1372.26	1372.57	1372.83	1372.81	1371.05	1373.04	1372.07	1372.48
3	1373.04	1371.81	1373.38	1373.06	1372.27	1372.55	1372.64	1373.11	1371.05	1373.40	1371.76	1372.57
4	1373.10	1372.01	1373.35	1372.58	1372.42	1372.70	1372.46	1372.92	1371.45	1373.09	1371.46	1372.65
5	1372.97	1372.28	1373.20	1372.09	1372.56	1372.63	1372.56	1372.73	1371.87	1373.22	1371.16	1372.84
6	1372.85	1372.16	1373.04	1371.49	1372.82	1372.56	1372.72	1372.74	1372.28	1373.22	1371.01	1373.04
7	1372.56	1372.04	1373.13	1370.89	1373.18	1372.59	1372.28	1372.72	1372.87	1372.98	1371.07	1373.23
8	1372.50	1372.11	1373.16	1370.83	1373.21	1372.90	1372.56	1372.77	1373.15	1372.75	1371.02	1373.38
9	1372.49	1372.33	1373.11	1370.99	1373.24	1372.78	1372.57	1372.82	1373.15	1372.44	1370.97	1373.25
10	1372.48	1372.33	1373.07	1371.16	1373.17	1372.65	1372.71	1372.93	1373.16	1372.06	1371.01	1372.96
11	1372.87	1372.33	1373.26	1371.34	1373.07	1372.75	1372.51	1373.14	1373.24	1371.81	1371.18	1372.67
12	1373.19	1372.54	1373.34	1371.69	1372.85	1372.93	1372.30	1373.12	1373.13	1371.56	1371.38	1372.25
13	1373.29	1372.62	1372.89	1372.12	1372.63	1372.80	1372.24	1373.11	1372.90	1371.68	1371.57	1372.22
14	1373.39	1372.45	1373.03	1372.31	1372.69	1372.67	1372.33	1373.29	1372.67	1372.05	1372.04	1371.95
15	1373.54	1372.28	1373.17	1372.51	1373.08	1372.59	1372.34	1373.51	1372.74	1372.59	1372.42	1371.67
16	1373.33	1372.15	1373.35	1373.05	1372.97	1373.10	1372.34	1373.25	1372.82	1373.14	1372.62	1371.50
17	1373.09	1372.37	1373.35	1373.48	1372.85	1373.26	1372.40	1373.00	1372.90	1373.27	1372.83	1371.81
18	1372.86	1372.44	1373.34	1373.54	1372.88	1373.42	1372.37	1372.97	1372.99	1373.07	1372.60	1371.87
19	1372.98	1372.51	1373.27	1373.60	1372.78	1373.50	1372.24	1373.13	1372.92	1372.66	1372.56	1371.94
20	1372.96	1372.71	1373.24	1373.51	1372.53	1373.47	1372.11	1373.04	1372.92	1372.24	1372.54	1372.39
21	1372.70	1373.21	1373.14	1373.31	1372.29	1373.04	1372.45	1372.94	1372.58	1371.96	1372.52	1372.70
22	1372.44	1372.92	1373.03	1372.93	1372.05	1372.61	1372.58	1372.93	1372.25	1371.86	1372.71	1372.60
23	1372.50	1372.63	1373.17	1372.54	1371.95	1372.61	1372.81	1372.90	1372.07	1371.96	1372.88	1372.49
24	1373.01	1372.79	1373.34	1372.56	1371.73	1372.61	1373.05	1372.61	1372.35	1372.06	1372.92	1372.16
25	1373.01	1372.84	1373.44	1372.83	1371.51	1372.54	1373.30	1372.32	1372.58	1372.38	1372.97	1372.35
26	1373.02	1372.92	1373.53	1372.85	1371.57	1372.47	1373.36	1372.35	1372.81	1372.78	1372.98	1372.23
27	1373.24	1373.01	1373.39	1372.87	1371.87	1372.72	1373.11	1372.39	1373.01	1372.77	1373.21	1372.11
28	1373.38	1373.44	1373.35	1373.10	1371.67	1372.89	1372.85	1372.18	1372.95	1372.77	1372.85	1371.93
29	1373.18	1373.45	1373.02	1373.08	1372.29	1372.57	1372.83	1371.97	1372.85	1372.82	1372.50	1371.92
30	1372.97		1372.69	1372.78	1372.52	1372.25	1372.74	1371.57	1372.74	1372.65	1372.30	1371.92
31	1372.75		1372.92		1372.80		1372.74	1371.21		1372.41		1372.68

Eppley Lab

1981 DAILY MEAN SOLAR IRRADIANCE*
NIMBUS-7 (ERB Channel 10C)

Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1372.59	1371.70	1371.09	1372.94	1372.62	1372.28	1371.22	1371.69	1372.22	1372.54	1371.82	1371.94
2	1372.89	1371.62	1371.50	1373.04	1372.72	1372.25	1371.29	1371.88	1372.08	1372.59	1371.50	1372.29
3	1372.68	1371.87	1371.65	1372.85	1372.56	1372.44	1371.50	1371.76	1372.10	1372.65	1371.34	1372.69
4	1372.48	1372.13	1371.83	1372.81	1372.41	1372.80	1371.85	1371.64	1371.90	1372.45	1371.17	1372.84
5	1372.48	1372.39	1372.02	1372.87	1372.22	1372.47	1372.02	1371.57	1371.70	1372.25	1371.74	1372.39
6	1372.60	1372.49	1372.04	1372.29	1372.06	1372.33	1372.00	1371.63	1371.42	1372.08	1372.09	1371.94
7	1372.42	1372.28	1372.14	1372.14	1372.13	1372.41	1371.99	1371.20	1371.36	1371.90	1372.21	1371.20
8	1372.24	1372.03	1371.92	1372.02	1372.21	1372.39	1372.02	1370.78	1371.43	1372.15	1372.32	1370.68
9	1372.36	1371.78	1371.71	1371.87	1372.36	1372.38	1372.13	1370.86	1371.49	1372.27	1372.29	1370.55
10	1372.43	1371.75	1371.94	1371.71	1372.05	1372.38	1371.93	1371.18	1371.58	1371.80	1372.04	1370.42
11	1372.66	1371.76	1372.19	1371.63	1371.95	1372.35	1371.73	1371.59	1371.34	1371.33	1371.81	1370.93
12	1372.84	1371.89	1372.25	1371.83	1371.86	1372.23	1371.52	1372.03	1371.56	1370.84	1371.59	1371.31
13	1372.91	1372.02	1372.31	1371.64	1371.75	1372.11	1371.69	1372.41	1371.78	1370.51	1371.64	1371.56
14	1372.91	1371.95	1372.31	1371.45	1371.65	1372.02	1371.63	1372.61	1371.98	1370.13	1372.12	1371.81
15	1372.72	1372.01	1372.49	1371.51	1371.45	1372.06	1371.58	1372.20	1372.13	1369.75	1372.38	1372.06
16	1372.53	1371.81	1372.53	1371.47	1371.24	1371.94	1371.55	1371.78	1372.10	1369.67	1372.64	1372.29
17	1372.52	1371.61	1372.57	1371.45	1371.25	1371.96	1371.60	1371.61	1372.08	1369.65	1372.49	1372.23
18	1372.53	1371.64	1372.50	1371.42	1371.28	1372.14	1371.59	1371.55	1372.08	1369.99	1372.47	1372.18
19	1372.54	1372.04	1372.46	1371.92	1371.58	1372.48	1371.59	1371.71	1372.24	1370.33	1372.31	1372.25
20	1372.56	1372.02	1372.04	1372.11	1371.89	1372.39	1371.08	1371.86	1372.28	1370.99	1372.16	1372.30
21	1372.80	1372.01	1371.62	1372.15	1372.43	1372.30	1370.44	1372.02	1372.32	1371.56	1372.17	1372.32
22	1372.92	1371.79	1371.71	1371.96	1372.63	1372.16	1369.96	1372.39	1372.65	1371.86	1372.36	1372.33
23	1372.87	1371.54	1372.00	1371.86	1372.36	1372.03	1369.49	1372.55	1372.70	1372.49	1372.42	1372.40
24	1372.82	1371.48	1372.04	1372.36	1372.09	1371.82	1369.35	1372.72	1372.95	1372.76	1372.48	1372.40
25	1372.68	1371.43	1372.08	1372.45	1372.03	1371.61	1369.20	1372.46	1372.56	1372.71	1372.61	1372.33
26	1372.69	1371.51	1372.07	1372.54	1372.03	1371.60	1369.34	1372.04	1372.57	1372.74	1372.67	1372.25
27	1372.68	1371.38	1372.30	1372.40	1372.05	1371.29	1369.49	1371.69	1372.55	1372.77	1372.15	1372.14
28	1372.68	1371.23	1372.37	1372.48	1372.07	1371.29	1369.97	1371.89	1372.36	1372.68	1371.63	1372.32
29	1372.70		1372.45	1372.49	1372.36	1371.28	1370.55	1372.07	1372.18	1372.85	1371.56	1372.49
30	1372.44		1372.54	1372.51	1372.63	1371.36	1370.82	1372.16	1372.27	1372.51	1371.60	1372.66
31	1372.07		1372.84		1372.46		1371.12	1372.19		1372.18		1372.88

1982 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1373.14	1370.12	1371.27	1372.32	1372.33	1372.25	1372.37	1371.86	1372.37	1371.56	1372.62	1371.54
2	1373.01	1370.67	1371.11	1372.65	1372.24	1372.25	1372.26	1371.72	1372.43	1371.68	1372.58	1371.55
3	1372.87	1371.26	1371.22	1372.79	1372.15	1372.07	1372.20	1371.59	1372.30	1372.24	1372.54	1371.28
4	1372.76	1371.84	1371.33	1372.53	1372.18	1371.80	1372.28	1371.73	1372.17	1372.82	1372.32	1371.12
5	1372.77	1372.06	1371.54	1372.28	1372.28	1371.39	1372.18	1371.81	1372.20	1372.82	1372.46	1370.96
6	1372.68	1371.82	1371.82	1372.24	1371.91	1371.07	1372.08	1371.76	1372.43	1372.82	1372.26	1371.25
7	1372.60	1371.19	1372.08	1372.51	1371.81	1371.03	1372.19	1371.71	1372.44	1372.48	1372.07	1371.63
8	1372.56	1370.57	1372.34	1372.61	1371.84	1371.00	1372.15	1372.01	1372.45	1372.36	1372.04	1371.51
9	1372.57	1370.22	1372.26	1372.44	1372.01	1370.93	1371.85	1372.09	1372.42	1372.20	1372.36	1371.39
10	1372.33	1370.01	1372.24	1372.12	1371.98	1370.93	1371.55	1372.19	1372.24	1372.05	1372.10	1371.04
11	1372.09	1370.22	1372.21	1371.68	1371.96	1370.94	1370.97	1372.28	1372.07	1372.06	1371.84	1370.85
12	1372.15	1370.43	1372.19	1371.59	1372.24	1370.96	1370.79	1372.41	1371.90	1372.22	1371.50	1370.57
13	1372.12	1371.00	1372.19	1371.50	1372.16	1370.91	1370.41	1372.55	1371.82	1372.15	1371.13	1370.29
14	1371.84	1371.44	1371.68	1371.46	1371.98	1370.73	1370.03	1372.41	1371.86	1372.09	1371.04	1370.57
15	1371.56	1371.49	1371.05	1371.71	1371.79	1370.33	1370.04	1372.27	1371.89	1372.04	1370.95	1370.95
16	1371.53	1371.54	1370.43	1371.75	1371.65	1369.93	1370.19	1371.86	1371.91	1372.11	1371.19	1371.31
17	1371.66	1371.29	1370.09	1371.78	1371.66	1369.85	1370.70	1371.55	1371.69	1371.94	1371.48	1371.67
18	1371.80	1371.22	1370.04	1371.74	1371.67	1370.00	1371.22	1371.58	1371.69	1371.76	1371.44	1372.07
19	1371.94	1371.35	1370.45	1371.76	1371.68	1369.94	1372.06	1371.61	1371.65	1371.84	1371.41	1372.32
20	1372.18	1371.48	1370.86	1371.78	1371.56	1369.88	1372.60	1371.69	1371.62	1371.96	1370.94	1372.17
21	1372.45	1371.95	1371.38	1371.79	1371.61	1370.43	1372.63	1371.64	1371.90	1371.90	1370.74	1372.03
22	1372.35	1372.38	1371.69	1371.69	1371.66	1370.85	1372.66	1371.32	1372.02	1371.83	1370.97	1372.03
23	1372.25	1372.44	1371.43	1371.42	1371.72	1371.23	1372.43	1371.01	1372.32	1371.97	1371.20	1371.99
24	1372.39	1372.50	1371.16	1371.24	1372.06	1371.61	1372.33	1370.89	1372.62	1371.80	1371.64	1371.86
25	1372.53	1372.53	1371.19	1371.07	1372.27	1371.86	1372.22	1370.95	1372.78	1371.57	1371.93	1371.74
26	1372.59	1372.50	1371.19	1371.50	1372.13	1372.42	1372.11	1370.88	1372.52	1371.34	1372.04	1371.51
27	1372.43	1372.05	1371.20	1372.01	1371.98	1372.30	1372.00	1370.80	1372.13	1371.26	1372.15	1371.47
28	1371.88	1371.60	1371.22	1372.26	1371.86	1372.18	1371.89	1371.10	1371.75	1371.72	1372.13	1371.54
29	1370.95		1371.35	1372.51	1372.01	1372.26	1371.89	1371.61	1371.27	1371.94	1371.89	1371.60
30	1370.48		1371.42	1372.46	1372.11	1372.58	1371.90	1371.87	1371.44	1372.16	1371.72	1371.58
31	1370.02		1371.87		1372.21		1371.77	1372.13		1372.32		1371.81

1983 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1372.08	1371.60	1371.94	1372.08	1371.76	1371.82	1371.51	1371.26	1371.79	1371.44	1371.50	1371.57
2	1372.08	1371.69	1371.80	1371.94	1371.84	1371.48	1371.58	1371.15	1371.81	1371.61	1371.60	1371.69
3	1372.16	1371.78	1371.65	1371.86	1371.81	1371.15	1371.74	1371.20	1371.84	1371.55	1371.56	1371.68
4	1372.31	1371.61	1371.49	1371.79	1371.92	1371.10	1371.75	1371.36	1371.81	1371.54	1371.78	1371.68
5	1372.30	1371.61	1371.49	1372.03	1371.76	1370.62	1371.75	1371.53	1372.00	1371.36	1371.68	1371.54
6	1372.29	1371.46	1371.56	1371.93	1371.60	1370.04	1371.68	1371.70	1371.86	1371.22	1371.69	1371.57
7	1372.30	1371.31	1371.63	1371.75	1371.71	1370.38	1371.62	1371.97	1371.72	1371.14	1371.58	1371.43
8	1372.24	1371.66	1371.88	1371.58	1371.86	1370.81	1371.48	1371.91	1371.83	1371.13	1371.70	1371.52
9	1372.22	1371.98	1372.05	1371.62	1371.49	1371.02	1371.34	1371.65	1372.11	1371.23	1371.54	1371.41
10	1372.19	1372.12	1371.92	1371.65	1371.13	1371.13	1371.44	1371.39	1372.09	1371.21	1371.63	1371.40
11	1372.26	1372.26	1371.80	1371.83	1370.53	1371.23	1371.59	1371.33	1372.07	1371.42	1371.61	1371.37
12	1372.40	1372.10	1371.85	1372.02	1370.51	1371.50	1371.64	1371.76	1372.15	1371.74	1371.63	1371.38
13	1372.36	1372.11	1371.88	1371.95	1370.46	1371.69	1371.69	1371.84	1372.21	1371.74	1371.60	1371.57
14	1372.32	1371.98	1371.78	1372.14	1371.14	1371.86	1371.67	1371.91	1371.98	1371.44	1371.54	1371.68
15	1372.15	1371.86	1371.68	1372.04	1371.49	1372.03	1371.67	1372.18	1371.86	1371.23	1371.51	1371.55
16	1371.84	1371.88	1371.57	1372.02	1371.79	1372.14	1371.77	1372.26	1371.63	1371.26	1371.27	1371.49
17	1371.53	1372.04	1371.59	1371.89	1371.79	1372.04	1371.87	1372.31	1371.70	1371.45	1371.34	1371.30
18	1371.23	1371.92	1371.30	1371.81	1371.79	1371.95	1371.93	1372.36	1371.68	1371.52	1371.38	1371.32
19	1371.30	1371.80	1371.44	1371.86	1371.87	1371.86	1371.98	1372.43	1371.76	1371.57	1371.41	1371.23
20	1371.51	1371.89	1371.35	1371.91	1371.69	1371.93	1372.34	1372.41	1371.60	1371.65	1371.49	1371.28
21	1371.68	1371.97	1371.49	1371.79	1371.59	1372.06	1371.82	1372.23	1371.79	1371.91	1371.43	1371.27
22	1371.85	1371.93	1371.71	1371.98	1371.48	1371.76	1371.71	1372.05	1371.81	1371.69	1371.34	1371.34
23	1372.06	1371.89	1371.94	1371.87	1371.69	1371.49	1371.80	1372.03	1371.82	1371.73	1371.34	1371.33
24	1372.35	1371.95	1372.03	1371.76	1371.91	1371.67	1371.73	1372.08	1371.70	1371.57	1371.43	1371.36
25	1372.05	1371.91	1372.13	1371.71	1372.03	1371.87	1371.66	1371.94	1371.55	1371.59	1371.45	1371.33
26	1371.74	1371.94	1372.14	1371.59	1372.14	1371.91	1371.84	1371.80	1371.39	1371.64	1371.43	1371.36
27	1371.71	1371.97	1372.14	1371.52	1372.28	1371.94	1371.84	1371.97	1371.19	1371.57	1371.29	1371.40
28	1371.71	1371.86	1372.08	1371.44	1372.35	1371.98	1371.65	1371.93	1371.21	1371.77	1371.42	1371.38
29	1371.55		1372.14	1371.35	1372.27	1371.98	1371.46	1371.77	1371.30	1371.64	1371.57	1371.38
30	1371.39		1372.09	1371.68	1372.18	1371.74	1371.39	1371.61	1371.35	1371.72	1371.58	1371.45
31	1371.52		1372.04		1371.92		1371.37	1371.81		1371.69		1371.37

1984 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1371.53	1370.18	1371.67	1370.59	1370.08	1371.27	1371.59	1371.87	1371.51	1371.67	1371.29	1371.43
2	1371.50	1371.04	1371.65	1370.75	1370.87	1371.56	1371.60	1372.00	1371.63	1371.62	1371.34	1371.32
3	1371.62	1371.31	1371.76	1371.04	1371.20	1371.79	1371.61	1371.98	1371.82	1371.56	1371.36	1371.32
4	1371.68	1371.58	1371.64	1371.25	1371.54	1371.74	1371.76	1371.97	1371.84	1371.60	1371.33	1371.35
5	1371.66	1371.41	1371.81	1371.42	1371.47	1371.70	1371.81	1371.90	1371.86	1371.66	1371.36	1371.29
6	1371.49	1371.35	1371.57	1371.59	1371.41	1371.71	1371.90	1372.09	1371.64	1371.63	1371.41	1371.35
7	1371.55	1371.19	1371.57	1371.64	1371.12	1371.78	1371.99	1372.00	1371.88	1371.60	1371.27	1371.21
8	1371.54	1370.92	1371.33	1371.71	1370.84	1371.81	1372.04	1371.90	1371.84	1371.53	1371.21	1371.30
9	1371.61	1370.50	1371.39	1371.53	1370.48	1371.85	1372.11	1371.77	1371.80	1371.49	1371.19	1371.24
10	1371.51	1370.50	1371.34	1371.61	1370.20	1371.86	1371.97	1371.79	1371.68	1371.42	1371.22	1371.28
11	1371.50	1370.53	1371.54	1371.48	1370.18	1372.01	1371.82	1371.89	1371.81	1371.36	1371.31	1371.13
12	1371.27	1370.88	1371.33	1371.58	1370.15	1371.92	1371.61	1372.00	1371.61	1371.27	1371.30	1371.30
13	1371.15	1370.95	1371.36	1371.49	1370.25	1371.83	1371.78	1371.98	1371.65	1371.51	1371.30	1371.19
14	1370.82	1371.47	1371.30	1371.41	1370.70	1371.81	1371.70	1371.88	1371.48	1371.41	1371.36	1371.31
15	1370.92	1371.57	1371.51	1371.28	1371.14	1371.59	1371.63	1371.79	1371.53	1371.32	1371.41	1371.22
16	1370.92	1371.62	1371.60	1371.31	1371.58	1371.53	1371.54	1371.70	1371.56	1371.32	1371.30	1371.31
17	1371.11	1371.45	1371.80	1371.26	1371.69	1371.48	1371.62	1371.62	1371.60	1371.37	1371.24	1371.32
18	1371.04	1371.63	1371.84	1371.20	1371.86	1371.43	1371.61	1371.67	1371.47	1371.34	1371.33	1371.35
19	1371.37	1371.22	1371.93	1371.43	1371.73	1371.44	1371.60	1371.62	1371.58	1371.30	1371.35	1371.31
20	1371.29	1371.26	1371.90	1371.75	1371.61	1371.53	1371.41	1371.58	1371.61	1371.33	1371.16	1371.53
21	1371.28	1370.83	1371.87	1371.69	1371.55	1371.61	1371.59	1371.63	1371.63	1371.43	1371.23	1371.35
22	1371.28	1370.63	1371.64	1371.64	1371.55	1371.58	1371.51	1371.68	1371.61	1371.50	1371.22	1371.40
23	1371.28	1370.39	1371.71	1371.34	1371.33	1371.60	1371.44	1371.63	1371.55	1371.57	1371.16	1371.33
24	1370.80	1370.53	1371.67	1370.75	1371.12	1371.49	1371.37	1371.57	1371.56	1371.43	1371.08	1371.45
25	1370.40	1370.54	1371.89	1369.92	1371.23	1371.38	1371.38	1371.53	1371.57	1371.55	1370.95	1371.39
26	1369.65	1370.87	1371.75	1369.09	1371.50	1371.33	1371.39	1371.76	1371.54	1371.51	1370.77	1371.41
27	1368.91	1371.15	1371.89	1368.91	1371.70	1371.40	1371.39	1371.76	1371.74	1371.47	1370.80	1371.50
28	1368.68	1371.64	1371.54	1368.87	1371.91	1371.45	1371.34	1371.75	1371.72	1371.31	1371.01	1371.43
29	1368.57	1371.75	1371.19	1369.12	1371.78	1371.50	1371.46	1371.44	1371.71	1371.42	1371.10	1371.65
30	1368.93		1370.80	1369.38	1371.66	1371.52	1371.75	1371.60	1371.57	1371.31	1371.38	1371.46
31	1369.50		1370.69		1371.46		1372.03	1371.56		1371.35		1371.52

1985 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1371.68	1371.44	1371.47	1371.55	1371.52	1371.35	1371.53	1371.80	1371.72	1371.57	1371.39	1371.35
2	1371.56	1371.52	1371.59	1371.63	1371.38	1371.55	1371.50	1371.64	1371.77	1371.48	1371.37	1371.28
3	1371.60	1371.64	1371.39	1371.55	1371.41	1371.39	1371.50	1371.88	1371.62	1371.49	1371.22	1371.38
4	1371.54	1371.59	1371.51	1371.62	1371.52	1371.60	1371.59	1371.82	1371.63	1371.45	1371.23	1371.28
5	1371.72	1371.69	1371.41	1371.53	1371.50	1371.41	1371.48	1372.11	1371.70	1371.49	1371.21	1371.26
6	1371.53	1371.61	1371.42	1371.51	1371.49	1371.56	1371.23	1371.91	1371.65	1371.43	1371.20	1371.30
7	1371.55	1371.37	1371.44	1371.43	1371.39	1371.53	1371.10	1371.91	1371.61	1371.36	1371.42	1371.27
8	1371.58	1371.55	1371.39	1371.35	1371.31	1371.40	1371.16	1371.82	1371.71	1371.41	1371.31	1371.41
9	1371.61	1371.47	1371.47	1371.52	1371.34	1371.36	1371.25	1371.60	1371.44	1371.38	1371.28	1371.43
10	1371.58	1371.62	1371.42	1371.42	1371.21	1371.31	1371.48	1371.57	1371.50	1371.32	1371.30	1371.52
11	1371.51	1371.66	1371.55	1371.51	1371.14	1371.30	1371.66	1371.55	1371.56	1371.42	1371.21	1371.70
12	1371.49	1371.63	1371.50	1371.37	1371.00	1371.48	1371.67	1371.54	1371.60	1371.38	1371.40	1371.55
13	1371.51	1371.64	1371.43	1371.54	1371.14	1371.73	1371.65	1371.49	1371.45	1371.27	1371.45	1371.61
14	1371.44	1371.54	1371.53	1371.52	1371.02	1371.79	1371.62	1371.61	1371.54	1371.34	1371.36	1371.52
15	1371.44	1371.47	1371.36	1371.62	1371.27	1371.66	1371.46	1371.52	1371.45	1371.40	1371.26	1371.46
16	1371.43	1371.55	1371.54	1371.50	1371.28	1371.70	1371.71	1371.65	1371.39	1371.44	1371.30	1371.34
17	1371.53	1371.57	1371.43	1371.52	1371.69	1371.76	1371.65	1371.54	1371.49	1371.34	1371.26	1371.34
18	1371.58	1371.59	1371.51	1371.45	1371.71	1371.76	1371.59	1371.53	1371.56	1371.38	1371.36	1371.38
19	1371.62	1371.44	1371.51	1371.50	1371.72	1371.52	1371.44	1371.46	1371.51	1371.23	1371.40	1371.63
20	1371.23	1371.57	1371.67	1371.51	1371.58	1371.54	1371.66	1371.55	1371.42	1371.22	1371.50	1371.44
21	1371.14	1371.54	1371.50	1371.58	1371.49	1371.63	1371.61	1371.47	1371.60	1371.10	1371.59	1371.32
22	1371.38	1371.45	1371.60	1371.30	1371.39	1371.70	1371.56	1371.62	1371.60	1370.92	1371.44	1371.19
23	1371.66	1371.46	1371.49	1371.04	1371.69	1371.63	1371.50	1371.60	1371.66	1370.98	1371.38	1371.25
24	1371.48	1371.51	1371.57	1370.67	1371.51	1371.61	1371.67	1371.61	1371.68	1371.23	1371.37	1371.37
25	1371.70	1371.38	1371.52	1370.75	1371.74	1371.53	1371.60	1371.79	1371.53	1371.44	1371.19	1371.40
26	1371.67	1371.36	1371.45	1370.74	1371.57	1371.63	1371.59	1371.69	1371.59	1371.67	1371.23	1371.40
27	1371.55	1371.43	1371.48	1370.88	1371.72	1371.44	1371.72	1371.85	1371.63	1371.60	1371.38	1371.35
28	1371.49	1371.48	1371.39	1371.08	1371.41	1371.52	1371.87	1371.71	1371.58	1371.63	1371.32	1371.39
29	1371.48		1371.30	1371.34	1371.62	1371.49	1371.89	1371.80	1371.49	1371.24	1371.25	1371.50
30	1371.44		1371.45	1371.42	1371.49	1371.72	1371.75	1371.73	1371.51	1371.29	1371.27	1371.42
31	1371.61		1371.50		1371.46		1371.82	1371.68		1371.23		1371.39

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Misc
1986

1986 DAILY MEAN SOLAR IRRADIANCE*
Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1371.34	1371.54	1371.53	1371.67	1371.64	1371.33	1371.36	1371.23	1371.21	1371.25	1370.92	1371.00
2	1371.31	1371.30	1371.59	1371.60	1371.46	1371.49	1371.37	1371.39	1371.18	1371.17	1371.24	1371.15
3	1371.36	1371.25	1371.61	1371.59	1371.50	1371.27	1371.38	1371.27	1371.25	1371.47	1371.22	1371.19
4	1371.48	1371.08	1371.47	1371.62	1371.22	1371.51	1371.38	1371.40	1371.40	1371.29	1371.35	1371.25
5	1371.57	1371.07	1371.45	1371.69	1371.47	1371.18	1371.50	1371.41	1371.39	1371.42	1371.19	1371.13
6	1371.60	1371.16	1371.42	1371.51	1371.26	1371.36	1371.43	1371.52	1371.35	1371.30	1371.34	1371.11
7	1371.69	1371.47	1371.41	1371.54	1371.45	1371.39	1371.61	1371.58	1371.40	1371.35	1371.28	1371.14
8	1371.75	1371.52	1371.39	1371.45	1371.21	1371.43	1371.46	1371.57	1371.26	1371.21	1371.37	1371.13
9	1371.66	1371.56	1371.61	1371.41	1371.43	1371.31	1371.65	1371.52	1371.27	1371.41	1371.21	1371.16
10	1371.65	1371.48	1371.56	1371.38	1371.24	1371.52	1371.53	1371.52	1371.19	1371.36	1371.14	1371.23
11	1371.66	1371.33	1371.78	1371.45	1371.52	1371.39	1371.44	1371.53	1371.35	1371.42	1371.10	1371.33
12	1371.61	1371.22	1371.75	1371.36	1371.40	1371.64	1371.53	1371.60	1371.31	1371.43	1371.19	1371.33
13	1371.49	1371.42	1371.39	1371.42	1371.40	1371.37	1371.56	1371.41	1371.38	1371.28	1371.06	1371.29
14	1371.69	1371.48	1371.31	1371.30	1371.14	1371.80	1371.59	1371.59	1371.24	1371.12	1371.32	1371.38
15	1371.79	1371.49	1371.50	1371.39	1371.45	1371.77	1371.78	1371.42	1371.27	1371.26	1371.27	1371.41
16	1371.57	1371.36	1371.38	1371.22	1371.45	1371.61	1371.67	1371.48	1371.16	1371.15	1371.34	1371.41
17	1371.65	1371.29	1371.36	1371.38	1371.54	1371.64	1371.68	1371.43	1371.25	1371.23	1371.32	1371.41
18	1371.57	1371.37	1371.37	1371.29	1371.53	1371.70	1371.74	1371.30	1371.16	1371.13	1371.35	1371.45
19	1371.47	1371.44	1371.54	1371.38	1371.68	1371.50	1371.76	1371.29	1371.37	1371.04	1371.21	1371.48
20	1371.45	1371.40	1371.44	1371.22	1371.63	1371.73	1371.64	1371.54	1371.24	1370.88	1371.47	1371.60
21	1371.43	1371.49	1371.56	1371.39	1371.82	1371.66	1371.60	1371.45	1371.42	1371.05	1371.39	1371.56
22	1371.50	1371.56	1371.47	1371.52	1371.56	1371.61	1371.42	1371.37	1371.32	1371.08	1371.48	1371.41
23	1371.35	1371.53	1371.59	1371.24	1371.77	1371.45	1371.63	1371.38	1371.40	1371.07	1371.45	1371.44
24	1371.43	1371.43	1371.35	1370.98	1371.64	1371.31	1371.54	1371.31	1371.26	1371.05	1371.63	1371.49
25	1371.43	1371.48	1371.48	1371.08	1371.69	1371.54	1371.57	1371.33	1371.31	1371.22	1371.48	1371.33
26	1371.43	1371.50	1371.49	1371.00	1371.77	1371.39	1371.48	1371.47	1371.41	1371.15	1371.53	1371.43
27	1371.42	1371.58	1371.58	1371.24	1371.73	1371.46	1371.61	1371.18	1371.48	1371.29	1371.43	1371.15
28	1371.38	1371.58	1371.55	1371.21	1371.66	1371.31	1371.52	1371.29	1371.32	1371.30	1371.43	1371.21
29	1371.33		1371.63	1371.45	1371.81	1371.41	1371.46	1371.21	1371.38	1371.46	1371.11	1371.15
30	1371.45		1371.71	1371.35	1371.68	1371.26	1371.32	1371.22	1371.26	1371.17	1371.26	1371.29
31	1371.47		1371.71		1371.63		1371.45	1371.13		1370.93		1371.10

1987 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1371.31	1371.43	1371.25	1371.15	1371.32	1371.33	1371.43	1371.42	1371.97	1371.92	1371.85	1372.02
2	1371.25	1371.43	1371.29	1371.13	1371.33	1371.43	1371.26	1371.40	1371.85	1371.87	1371.85	1372.05
3	1371.32	1371.41	1371.15	1371.18	1371.35	1371.46	1371.31	1371.38	1371.85	1371.80	1371.88	1371.95
4	1371.31	1371.40	1371.44	1371.22	1371.30	1371.39	1371.36	1371.36	1371.60	1371.70	1372.05	1372.08
5	1371.40	1371.16	1371.28	1371.22	1371.26	1371.46	1371.27	1371.35	1371.75	1371.77	1372.03	1371.85
6	1371.35	1371.29	1371.32	1371.12	1371.32	1371.53	1371.17	1371.27	1371.72	1371.87	1371.86	1371.73
7	1371.58	1371.20	1370.99	1370.96	1371.35	1371.64	1371.14	1371.19	1371.61	1371.93	1371.95	1371.69
8	1371.33	1371.40	1371.31	1371.00	1371.36	1371.75	1371.33	1371.26	1371.42	1372.02	1372.02	1371.80
9	1371.38	1371.25	1371.40	1370.76	1371.37	1371.69	1371.35	1371.34	1371.61	1372.10	1372.04	1371.77
10	1371.32	1371.30	1371.29	1370.82	1371.48	1371.39	1371.38	1371.45	1371.78	1371.89	1372.13	1371.78
11	1371.43	1371.30	1371.30	1370.86	1371.59	1371.41	1371.40	1371.55	1371.87	1371.93	1372.06	1371.91
12	1371.48	1371.30	1371.37	1370.89	1371.57	1371.43	1371.42	1371.50	1371.89	1371.72	1372.04	1371.65
13	1371.55	1371.30	1371.36	1371.05	1371.47	1371.51	1371.53	1371.45	1371.92	1371.90	1372.14	1371.61
14	1371.42	1371.30	1371.50	1371.14	1371.55	1371.58	1371.38	1371.35	1371.87	1371.64	1372.02	1371.88
15	1371.44	1371.30	1371.42	1371.25	1371.64	1371.51	1371.43	1371.25	1371.85	1371.67	1371.84	1372.03
16	1371.50	1371.28	1371.55	1371.37	1371.50	1371.44	1371.47	1371.35	1371.75	1371.65	1371.76	1371.86
17	1371.55	1371.25	1371.34	1371.50	1371.36	1371.48	1371.45	1371.25	1371.90	1371.71	1371.83	1372.05
18	1371.50	1371.36	1371.44	1371.49	1371.39	1371.53	1371.42	1371.31	1371.83	1371.92	1371.84	1371.94
19	1371.60	1371.30	1371.38	1371.58	1371.03	1371.56	1371.53	1371.37	1371.94	1372.06	1371.68	1372.10
20	1371.35	1371.33	1371.49	1371.43	1371.08	1371.59	1371.63	1371.57	1371.79	1372.07	1371.58	1371.95
21	1371.57	1371.38	1371.47	1371.34	1371.14	1371.53	1371.63	1371.77	1371.80	1372.06	1371.58	1371.84
22	1371.50	1371.38	1371.56	1371.34	1371.12	1371.48	1371.64	1371.84	1371.67	1371.93	1371.83	1372.11
23	1371.56	1371.09	1371.51	1371.35	1371.11	1371.25	1371.58	1371.84	1371.61	1371.95	1372.03	1372.01
24	1371.56	1371.33	1371.37	1371.51	1371.07	1371.03	1371.53	1371.77	1371.59	1371.88	1372.04	1372.13
25	1371.60	1371.39	1371.56	1371.02	1371.24	1371.20	1371.76	1371.70	1371.79	1371.92	1372.17	1372.02
26	1371.47	1371.38	1371.46	1371.13	1371.30	1371.37	1371.57	1371.72	1372.21	1371.95	1372.22	1371.99
27	1371.47	1371.40	1371.40	1371.23	1371.36	1371.42	1371.61	1371.73	1372.13	1371.96	1372.22	1371.84
28	1371.39	1371.34	1371.29	1371.16	1371.37	1371.47	1371.65	1371.68	1371.84	1371.73	1372.05	1371.92
29	1371.42		1371.24	1371.09	1371.26	1371.53	1371.64	1371.70	1372.07	1371.70	1371.96	1371.79
30	1371.20		1371.16	1371.20	1371.25	1371.59	1371.63	1371.63	1372.02	1371.78	1371.95	1371.62
31	1371.44		1371.17		1371.23		1371.53	1371.79		1371.79		1371.60

1988 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1371.67	1371.82	1371.69	1371.49	1371.73	1372.05	1369.46	1371.58	1370.94	1372.03	1372.00	1371.80
2	1371.80	1372.05	1371.68	1371.73	1372.06	1371.95	1369.49	1372.06	1371.14	1372.12	1371.66	1371.73
3	1371.91	1372.04	1371.71	1371.94	1372.09	1371.73	1370.12	1371.97	1371.72	1372.10	1371.38	1371.71
4	1371.88	1371.99	1371.66	1371.90	1372.10	1371.61	1371.09	1372.21	1372.32	1371.97	1371.01	1372.05
5	1372.11	1372.03	1371.72	1371.88	1372.09	1371.89	1371.85	1371.92	1372.64	1371.64	1370.96	1372.28
6	1372.17	1372.08	1371.76	1371.67	1372.07	1371.65	1372.32	1372.28	1372.80	1371.48	1371.07	1372.44
7	1372.10	1371.87	1371.83	1371.72	1372.10	1371.85	1372.48	1372.04	1372.61	1371.10	1371.44	1372.36
8	1371.67	1372.17	1371.79	1371.89	1372.13	1372.15	1372.02	1371.91	1372.49	1371.06	1371.64	1372.49
9	1371.58	1372.15	1371.90	1372.10	1372.16	1372.28	1371.84	1371.66	1372.42	1371.18	1371.77	1372.46
10	1371.65	1372.30	1371.84	1372.06	1372.17	1372.27	1371.73	1371.04	1372.29	1371.70	1372.03	1372.46
11	1371.90	1372.10	1371.79	1372.15	1372.16	1372.22	1371.64	1370.80	1372.44	1372.12	1372.02	1372.43
12	1372.05	1372.09	1371.90	1372.15	1372.26	1372.09	1371.58	1370.84	1372.50	1372.43	1372.03	1372.46
13	1372.13	1371.98	1372.02	1371.98	1372.19	1371.98	1371.86	1371.06	1372.30	1372.42	1371.71	1372.34
14	1372.18	1371.93	1371.56	1371.72	1372.26	1372.07	1371.68	1371.44	1372.24	1372.45	1371.76	1372.41
15	1372.19	1371.86	1371.50	1371.51	1372.13	1372.07	1371.52	1371.65	1372.17	1372.45	1371.87	1372.01
16	1371.76	1371.70	1371.42	1371.40	1372.06	1371.96	1371.40	1372.10	1372.19	1372.19	1371.90	1371.76
17	1371.83	1371.74	1371.27	1371.43	1371.91	1372.01	1371.33	1372.22	1372.21	1372.14	1371.98	1371.52
18	1371.73	1371.64	1371.19	1371.65	1371.97	1371.85	1371.49	1372.45	1372.32	1372.15	1372.09	1371.25
19	1371.50	1371.58	1371.23	1371.72	1372.09	1371.74	1371.59	1372.51	1372.39	1372.10	1372.07	1371.09
20	1371.59	1371.64	1371.51	1371.99	1372.08	1371.52	1371.76	1372.43	1372.37	1371.83	1372.12	1371.05
21	1371.62	1371.81	1371.76	1372.03	1372.24	1371.59	1372.05	1372.41	1372.37	1371.80	1372.16	1371.33
22	1371.67	1371.86	1371.72	1372.27	1372.32	1371.59	1372.25	1372.33	1372.22	1371.39	1372.24	1371.22
23	1371.83	1371.83	1371.65	1372.32	1372.18	1371.62	1372.37	1372.38	1372.21	1371.28	1372.39	1371.44
24	1372.03	1372.02	1371.67	1372.27	1372.01	1371.81	1372.48	1372.26	1372.30	1371.34	1372.52	1371.59
25	1372.09	1372.05	1371.62	1372.09	1371.78	1371.97	1372.50	1372.26	1372.43	1371.40	1372.66	1371.89
26	1371.74	1371.97	1371.45	1371.94	1371.71	1372.06	1372.27	1372.53	1372.39	1371.82	1372.35	1371.58
27	1371.92	1371.91	1371.64	1371.78	1371.91	1371.75	1372.01	1372.64	1372.38	1372.11	1372.41	1371.38
28	1371.79	1371.89	1371.54	1371.89	1371.82	1370.87	1371.70	1372.62	1372.34	1372.26	1372.11	1371.36
29	1371.85	1371.82	1371.46	1371.87	1371.95	1369.96	1371.49	1371.98	1372.29	1372.33	1372.23	1371.59
30	1371.97		1371.45	1371.98	1372.28	1369.55	1371.44	1371.54	1372.31	1372.35	1371.95	1371.85
31	1371.82		1371.56		1372.04		1371.41	1370.99		1372.14		1372.17

1989 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1372.13	1372.51	1372.27	1372.11	1372.24	1371.91	1372.60	1371.63	1371.64	1372.78	1372.74	1372.80
2	1372.12	1372.08	1372.01	1371.93	1372.21	1372.21	1372.85	1371.67	1371.13	1372.79	1372.65	1372.85
3	1372.22	1372.30	1372.08	1371.81	1372.29	1372.57	1372.92	1371.70	1370.64	1373.02	1372.45	1372.72
4	1372.20	1372.44	1372.23	1371.92	1372.21	1372.92	1372.66	1372.24	1370.54	1373.24	1372.48	1372.77
5	1372.22	1372.68	1372.59	1372.12	1372.44	1372.88	1372.63	1372.33	1370.46	1373.38	1372.41	1372.69
6	1372.30	1372.60	1372.69	1372.36	1372.69	1372.87	1372.70	1372.06	1370.73	1373.41	1372.37	1372.68
7	1372.14	1372.82	1372.60	1372.53	1372.96	1372.72	1373.10	1371.72	1371.19	1373.19	1372.53	1372.47
8	1371.80	1372.57	1372.38	1372.86	1373.15	1372.83	1373.21	1371.49	1371.65	1373.33	1372.67	1372.83
9	1371.77	1372.14	1371.97	1373.28	1373.23	1372.66	1373.13	1371.54	1371.84	1373.27	1372.49	1373.08
10	1371.81	1371.92	1371.50	1373.52	1373.32	1372.23	1373.07	1371.59	1371.89	1373.14	1372.40	1373.00
11	1372.25	1371.78	1371.05	1373.69	1373.25	1371.63	1372.98	1371.77	1371.58	1373.05	1372.53	1373.09
12	1372.14	1371.87	1370.84	1373.66	1373.23	1371.15	1372.85	1372.06	1371.50	1373.29	1372.71	1373.06
13	1371.90	1371.82	1370.93	1373.44	1373.18	1370.44	1372.73	1372.26	1371.65	1373.91	1372.85	1373.23
14	1371.65	1371.78	1371.42	1372.87	1372.93	1369.89	1372.58	1371.84	1371.99	1372.61	1372.79	1373.02
15	1370.92	1371.95	1371.80	1372.41	1372.70	1369.67	1372.67	1371.41	1372.19	1372.32	1372.79	1373.01
16	1370.98	1372.45	1372.23	1372.02	1372.40	1370.09	1372.68	1371.01	1372.27	1327.17	1373.06	1372.83
17	1371.13	1372.65	1372.86	1371.80	1372.27	1370.71	1372.32	1370.96	1372.35	1372.20	1373.28	1372.77
18	1371.71	1372.80	1372.89	1371.72	1372.22	1371.55	1372.20	1370.98	1372.33	1372.20	1373.07	1372.69
19	1372.27	1372.83	1372.64	1371.75	1372.01	1372.37	1372.11	1371.35	1371.88	1372.20	1372.92	1372.56
20	1372.81	1372.27	1372.23	1371.93	1371.39	1372.71	1371.86	1371.85	1371.86	1372.17	1372.84	1372.61
21	1372.90	1371.82	1371.79	1372.11	1371.31	1372.74	1371.65	1372.24	1371.73	1372.41	1372.83	1372.65
22	1372.73	1371.56	1371.70	1372.05	1371.53	1372.23	1371.50	1372.64	1371.64	1372.48	1372.83	1372.75
23	1372.12	1371.47	1371.83	1371.93	1371.62	1371.52	1371.38	1372.83	1371.62	1372.43	1372.51	1373.07
24	1371.77	1371.79	1372.02	1371.82	1371.86	1371.15	1371.58	1372.74	1371.87	1372.59	1372.55	1372.99
25	1371.67	1372.31	1372.17	1372.07	1371.80	1371.01	1371.80	1372.91	1371.87	1373.09	1372.33	1372.58
26	1371.34	1372.39	1372.40	1372.08	1371.77	1371.00	1372.06	1372.62	1371.87	1372.85	1371.84	1372.36
27	1371.47	1372.63	1372.36	1372.29	1371.87	1370.93	1372.14	1372.68	1372.44	1372.78	1371.94	1372.00
28	1371.63	1372.46	1372.13	1372.36	1371.83	1370.95	1372.12	1372.86	1373.01	1372.84	1372.36	1371.71
29	1371.71		1372.38	1372.35	1371.96	1371.39	1371.92	1372.77	1373.06	1372.80	1372.57	1371.51
30	1372.23		1372.25	1372.24	1371.84	1371.93	1371.62	1372.61	1373.01	1372.86	1372.65	1371.53
31	1372.34		1372.21		1371.67		1371.53	1372.16		1372.85		1372.04

110
Misc
1990

1990 DAILY MEAN SOLAR IRRADIANCE*

Eppley Lab — NIMBUS-7 (ERB Channel 10C) — Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1372.53	1372.62	1372.30	1372.69	1372.52	1372.67	1371.28	1373.16	1372.60	1372.41	1372.26	1372.96
2	1372.84	1372.81	1372.67	1372.54	1372.33	1372.86	1371.00	1372.86	1372.62	1372.27	1372.31	1373.14
3	1372.88	1372.62	1372.67	1372.42	1372.58	1372.89	1370.96	1372.80	1372.84	1372.44	1372.41	1373.18
4	1372.82	1372.74	1372.43	1372.31	1372.41	1372.91	1371.21	1372.88	1373.12	1372.55	1372.41	1373.22
5	1372.63	1372.47	1372.33	1372.29	1372.47	1373.15	1371.98	1372.62	1372.79	1372.62	1372.60	1373.02
6	1372.86	1372.74	1372.10	1372.36	1372.26	1372.90	1372.59	1372.42	1372.51	1372.66	1372.80	1382.84
7	1372.91	1372.75	1371.91	1372.47	1372.47	1373.15	1373.04	1372.55	1373.09	1372.67	1372.62	1372.83
8	1372.74	1372.94	1372.00	1372.68	1372.42	1373.32	1373.31	1372.45	1373.24	1372.55	1372.68	1372.78
9	1372.62	1372.82	1372.18	1372.77	1372.95	1373.13	1373.40	1372.72	1373.25	1372.56	1372.78	1372.90
10	1372.53	1372.69	1372.37	1373.10	1372.91	1373.37	1373.46	1372.93	1373.26	1372.30	1372.78	1373.34
11	1372.71	1372.50	1372.37	1372.88	1373.47	1373.40	1373.44	1372.98	1373.26	1372.13	1372.66	1373.60
12	1373.07	1372.33	1372.24	1372.92	1373.77	1373.24	1373.07	1372.91	1373.29	1372.14	1372.67	1373.36
13	1373.05	1372.28	1372.35	1373.05	1373.75	1373.50	1373.01	1372.58	1373.21	1372.09	1372.74	1372.89
14	1373.00	1372.49	1372.41	1373.36	1373.49	1373.31	1372.90	1372.50	1373.04	1372.11	1372.72	1372.32
15	1372.96	1372.85	1372.48	1373.30	1373.10	1373.28	1373.10	1372.29	1373.03	1372.00	1372.69	1371.75
16	1372.92	1373.01	1372.57	1373.12	1372.49	1373.18	1373.26	1372.37	1373.03	1372.16	1371.64	1371.50
17	1372.85	1373.12	1372.64	1372.82	1372.16	1373.21	1373.27	1372.19	1372.97	1372.44	1371.09	1371.15
18	1372.73	1373.40	1372.86	1372.60	1371.85	1373.40	1373.01	1372.18	1372.95	1372.90	1370.86	1371.14
19	1372.87	1373.40	1373.08	1372.58	1371.82	1373.50	1372.78	1371.97	1373.08	1373.10	1370.38	1371.45
20	1373.20	1373.16	1373.00	1372.86	1372.01	1373.22	1372.53	1371.86	1373.10	1373.42	1370.26	1372.19
21	1373.50	1372.60	1372.79	1373.11	1372.25	1373.17	1372.25	1371.59	1373.21	1373.38	1370.55	1372.56
22	1373.35	1372.26	1372.35	1373.30	1372.52	1373.14	1372.02	1371.05	1373.20	1373.23	1371.11	1372.86
23	1373.11	1372.02	1372.41	1373.54	1372.42	1372.94	1371.91	1370.97	1373.18	1373.15	1371.50	1372.97
24	1372.40	1371.79	1372.39	1373.47	1372.57	1372.68	1371.84	1371.01	1373.08	1372.94	1372.03	1372.85
25	1372.11	1371.94	1372.38	1373.24	1372.88	1372.54	1371.96	1371.28	1372.95	1372.82	1372.53	1372.61
26	1371.95	1372.27	1372.35	1372.80	1372.83	1372.37	1372.18	1371.62	1372.73	1372.79	1372.49	1372.61
27	1372.11	1372.22	1372.64	1372.52	1373.00	1372.22	1372.53	1371.84	1372.62	1372.72	1372.69	1372.87
28	1372.22	1372.27	1372.83	1372.53	1372.79	1372.29	1373.00	1372.34	1372.62	1372.78	1372.79	1372.78
29	1372.17		1372.60	1372.59	1372.92	1372.30	1373.09	1372.75	1372.60	1372.55	1372.99	1373.16
30	1372.39		1372.79	1372.69	1372.75	1371.97	1373.12	1372.89	1372.57	1372.25	1372.86	1373.42
31	1372.63		1372.98		1372.70		1373.24	1372.69		1372.26		1373.59

Eppley Lab

1991 DAILY MEAN SOLAR IRRADIANCE*
NIMBUS-7 (ERB Channel 10C)

Units = W/m2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1373.42	1370.88	1373.47	1372.84								
2	1373.25	1371.78	1373.66	1372.68								
3	1373.21	1372.27	1373.66	1372.78								
4	1373.19	1372.79	1373.73	1372.97								
5	1373.38	1373.13	1373.87	1373.26								
6	1373.63	1373.53	1373.94	1373.42								
7	1373.46	1373.35	1373.88	1373.99								
8	1373.23	1373.01	1373.73	1374.06								
9	1373.03	1372.60	1373.28	1373.98								
10	1372.58	1372.52	1372.84	1374.07								
11	1372.21	1372.54	1372.72	1373.88								
12	1371.69	1372.97	1372.76	1373.62								
13	1371.60	1372.83	1372.74	1373.58								
14	1371.58	1373.26	1372.84	1373.48								
15	1371.09	1373.22	1373.18	1373.42								
16	1371.06	1373.46	1373.31	1373.27								
17	1371.62	1373.32	1373.42	1373.12								
18	1371.96	1373.18	1373.27	1373.27								
19	1372.51	1372.87	1372.94	1373.33								
20	1372.94	1372.49	1372.59	1373.54								
21	1373.06	1372.18	1372.40	1373.70								
22	1372.88	1372.00	1371.90	1373.67								
23	1372.53	1371.92	1371.30	1373.54								
24	1372.27	1371.89	1371.15	1373.50								
25	1372.08	1372.28	1371.27	1373.47								
26	1371.71	1372.43	1371.74	1373.28								
27	1371.26	1372.74	1372.14	1373.18								
28	1371.07	1373.18	1372.84	1372.89								
29	1370.74		1373.25	1372.93								
30	1370.44		1373.18	1372.94								
31	1370.40		1373.03									

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."