

MARCH 2001 NUMBER 679 - Part II

Solar-Geophysical Data comprehensive reports



Data for September 2000 and Miscellaneous
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NATIONAL ENVIRONMENTAL SATELLITE,
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Number 679

(Issued in Two Parts)

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H α SOLAR FLARES

SEPTEMBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	LEAR	01	0542	0545	0555	S20	W18	9143	08	31.0	13	SF	4	E		19		F
0002	RAMY	01	1320	1321	1325	S20	W27	9143	08	30.6	5	SF	3	E		21		H
0003	HOLL	01	1810	1816	1851	N10	W60	9140	08	28.3	41	1N	3	E		155		U
		01	2242		2308	No Flare Patrol												
0004	URUM	02	0235	0304	0330	N10	E17	9149	09	3.4	55	2N		C		482	5.2	E
0005	KANZ	02	0758	0758	0800D	S28	W04	9153	09	2.0	2D	SF	2	E				
0006	KANZ	02	1435	1438	1442	N11	E03	9149	09	2.8	7	SF	2	E				
0007	MITK	03	0613	0614	0617	N26	W60		08	29.7	4	SN		C	0614	41	0.8	D
0008	HOLL	03	1331	1349	1410	S21	E26	9154	09	5.5	39	SF	3	E		25		F
0009	HOLL	03	1751	1752	1757	S10	E36	9155	09	6.4	6	SF	3	E		20		
0010	LEAR	03	2321E	2336U	2430D	S22	E19	9154	09	5.4	69D	1F	3	E		162		F
		03	2354		2400	No Flare Patrol												
		04	0000		0015	No Flare Patrol												
		04	0019		0047	No Flare Patrol												
0011		04	0107	0115	0152	S21	E18	9154	09	5.4	45	1N				143	1.6	E
	LEAR	04	0106E	0109U	0202D	S21	E17	9154	09	5.3	56D	1N	3	E		157		
	URUM	04	0107	0115	0152	S21	E18	9154	09	5.4	45	SN		C		129	1.6	E
0012	URUM	04	0313E	0313	0317	N13	W13	9149	09	3.1	4D	SF		P		32	0.3	E
0013	LEAR	04	0456E	0456U	0540D	S20	E15	9154	09	5.3	44D	SF	3	E		26		
0014		04	06492	0653	0658	S20	E17	9154	09	5.6	9	SN				70	1.6	E
	URUM	04	0649	0653	0700	S20	E17	9154	09	5.6	11	SN		C		129	1.6	E
	SVTO	04	0651	0653	0655	S20	E17	9154	09	5.6	4	SF	3	E		12		
0015	RAMY	04	1137	1137	1142	N13	W19	9149	09	3.0	5	SF	3	E		19		
0016	RAMY	04	1251	1252	1300	N14	W20	9149	09	3.0	9	SF	3	E		14		
0017	RAMY	04	1417	1419	1423	S20	E10	9154	09	5.3	6	SF	3	E		12		
0018	HOLL	04	1444	1449	1455	S18	E12	9154	09	5.5	11	SF	3	E		15		
0019		04	1454	14541	1506	N14	W21	9149	09	3.0	12	SF				27		
	HOLL	04	1454	1454	1506	N13	W21	9149	09	3.0	12	SF	3	E		30		
	RAMY	04	1454	1455	1505	N14	W21	9149	09	3.0	11	SF	3	E		24		
0020	RAMY	04	1528	1528	1531	S20	E09	9154	09	5.3	3	SF	3	E		13		
0021	RAMY	04	1635	1637	1645	N14	W22	9149	09	3.0	10	SF	3	E		28		
0022		04	16391	16471	1700	S20	E10	9154	09	5.4	21	SF				28		F
	HOLL	04	1639	1647	1704	S19	E10	9154	09	5.4	25	SF	3	E		29		
	RAMY	04	1640	1648	1656	S20	E09	9154	09	5.4	16	SF	3	E		26		F
0023		04	1747	17491	1756	N13	W22	9149	09	3.1	9	SF				48		
	HOLL	04	1747	1749	1756	N13	W22	9149	09	3.1	9	SF	3	E		46		
	RAMY	04	1747	1750	1756	N13	W22	9149	09	3.1	9	SF	3	E		50		
0024	HOLL	04	1807	1809	1816	S18	E11	9154	09	5.6	9	SF	3	E		17		
0025	HOLL	04	2017	2021	2026	S19	E08	9154	09	5.4	9	SF	3	E		18		
0026	HOLL	04	2036	2044	2053	S20	E08	9154	09	5.5	17	SF	3	E		36		
0027	HOLL	04	2130	2134	2154	S19	E07	9154	09	5.4	24	SF	3	E		81		

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Sep 00

H α SOLAR FLARES

SEPTEMBER 2000

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
			07 2014		2033			No Flare Patrol											
0051	RAMY	07	2035	2037	2141	N06	W47	9151	09	4.3	66	SF		3	E		38		
			07 2041		2120			No Flare Patrol											
0052	HOLL	07	2121E	2122U	2126	N12	W55	9149	09	3.7	5D	SF		3	E		14		
0053	LEAR	08	0402	0403	0423	N07	W53	9151	09	4.2	21	SF		4	E		31		F
			08 0951		0956			No Flare Patrol											
			08 0958		1005			No Flare Patrol											
			08 1016		1023			No Flare Patrol											
0054	HOLL	08	1733	1733	1736	S20	W38	9154	09	5.8	3	SF		3	E		19		
0055	HOLL	08	1912	1916	1919	N09	W57	9147	09	4.5	7	SF		3	E		13		F
			08 2114		2144			No Flare Patrol											
			08 2214		2258			No Flare Patrol											
0056	MITK	09	0038	0038	0040	S10	W18		09	7.7	2	SN		C	0038	54	0.6	E	
0057	LEAR	09	0519	0520	0525	S19	W52	9154	09	5.2	6	SF		3	E		26		
0058	LEAR	09	0830	0836	0921	N07	W67	9151	09	4.3	51	1N		3	E		227		F
0059	KANZ	09	0852E	0852U	0922	N07	W71	9151	09	4.0	30D	SN		2	E				
0060	KANZ	09	0921E	0924	1000	N19	W34	9152	09	6.8	39D	1F		2	E				
			09 2200		2216			No Flare Patrol											
0061	LEAR	09	2359	2406	2446	N23	E37	9158	09	12.8	47	SF		3	E		68		EU
0062	MITK	10	0653	0654	0700	N00	W26		09	8.3	7	SN		C	0654	47	0.6	D	
0063		10	0732	0732	0734	S22	W67	9154	09	5.2	2	SN				32		D	
	KANZ	10	0732	0732	0733	S21	W66	9154	09	5.2	1	SF		2	E				
	URUM	10	0732E	0732	0736	S22	W68	9154	09	5.1	4D	SN			P	32		D	
0064	KANZ	10	1453	1454	1455	N27	E34	9158	09	13.3	2	SF		2	E				
			10 1654		1657			No Flare Patrol											
			10 1807		1811			No Flare Patrol											
			10 1910		2026			No Flare Patrol											
			10 2109		2115			No Flare Patrol											
			10 2130		2201			No Flare Patrol											
			10 2205		2304			No Flare Patrol											
0065	LEAR	11	0222	0223	0229	S18	W77	9154	09	5.2	7	SF		4	E		41		
0066	LEAR	11	0720	0722	0730	S22	W87	9154	09	4.6	10	SF		4	E		35		F
0067		11	07521	07521	0756	N06	E61	9161	09	15.9	4	SF				21			
	LEAR	11	0752	0752	0756	N05	E62	9161	09	16.0	4	SF		3	E		21		
	KANZ	11	0753	0753	0756	N06	E60	9161	09	15.8	3	SF		2	E				
0068	LEAR	11	0918	0920	0922	S19	W88	9154	09	4.7	4	SF		3	E		32		
0069	KANZ	11	0920	0924	0940	N06	E61	9161	09	15.9	20	SF		2	E				
0070	HOLL	11	1754	1810	1830	N30	E17	9158	09	13.1	36	SF		3	E		31		F
0071	LEAR	12	0538	0542	0557	N24	E07	9158	09	12.8	19	SF		3	E		26		
0072	URUM	12	0710	0722	0739	S26	W78		09	6.2	29	2B			C		257		A
0073	KANZ	12	1122	1200	1458	S19	W08	9163	09	11.9	216	2F		2	E				U

H α SOLAR FLARES

7
Sep 00

SEPTEMBER 2000

Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp	Obs	Area Measurement	Corr	Remarks
							USAF Region							
0074	SVTO	12 1138E	1139U	1238	S17	W09	9163	09 11.8	60D	SF	3	E	36	SU
0075		12 1246	1247	1251	S17	W09	9163	09 11.8	5	1N			277	U
	RAMY	12 1240E	1240U	1315D	S17	W09	9163	09 11.8	35D	2N	1	E	527	U
	SVTO	12 1246	1247	1251	S17	W09	9163	09 11.8	5	SF	3	E	27	U
0076	KANZ	12 1438	1449	1502	S33	W30	9162	09 10.2	24	SF	2	E		
0077	URUM	13 1044E	1044	1044D	S44	W21		09 11.7	24D	SF		P	64	1.1 E
0078		14 0600	0600	0610	N12	E26	9165	09 16.2	10	SN			48	0.9 E
	LEAR	14 0600	0600	0607	N11	E27	9165	09 16.3	7	SF	4	E	15	
	URUM	14 0600	0604	0614	N13	E24	9165	09 16.1	14	SN		C	80	0.9 E
0079		14 0700	0701	0708	N12	E24	9165	09 16.1	11	SN			64	1.1 E
	LEAR	14 0700	0701	0708	N11	E23	9165	09 16.0	8	SF	4	E	31	
	URUM	14 0702	0704	0714	N12	E24	9165	09 16.1	12	SN		C	96	1.1 E
0080	URUM	14 0902	0907	0915	S34	W53	9162	09 10.1	13	SB		C	32	D
0081		14 1051	1055	1119	N11	E21	9165	09 16.0	28	SB		C	161	1.8 E
	URUM	14 1051	1055	1119	N11	E21	9165	09 16.0	28	SB		C	161	1.8 E
	SVTO	14 1056	1058	1114	N12	E20	9165	09 16.0	18	SF	3	E	18	
	KANZ	14 1056	1058	1127	N11	E20	9165	09 16.0	31	SF	2	E		
0082	KANZ	14 1158	1158	1203	N13	E19	9165	09 15.9	5	SF	2	E		
0083	HOLL	14 1443E	1443U	1620	N14	E17	9165	09 15.9	97D	SF	3	E	42	F
0084	HOLL	14 1443	1443	1511	S15	E82	9166	09 20.8	28	SF	3	E	92	
0085	HOLL	14 2033	2037	2051	S13	E80	9166	09 20.9	18	SF	3	E	28	
0086	HOLL	14 2111	2111	2114	S13	E80	9166	09 20.9	3	SF	3	E	15	
0087	HOLL	14 2234	2237	2242	S12	E79	9166	09 20.9	8	SF	3	E	24	
0088	HOLL	15 0005	0009	0014	S14	E79	9166	09 21.0	9	SF	3	E	22	
0089	LEAR	15 0155	0201	0203	N11	E15	9165	09 16.2	8	SF	3	E	24	
0090	LEAR	15 0233	0237	0245	S15	E75	9166	09 20.8	12	SF	3	E	34	
0091		15 0504*	0538*	0619	N14	E09	9165	09 15.9	75	1N			202	5.4 EF
	LEAR	15 0504	0604	0626	N13	E09	9165	09 15.9	82	SF	3	E	66	F
	SVTO	15 0521	0559	0624	N15	E09	9165	09 15.9	63	SF	3	E	27	F
	URUM	15 0523	0538	0606	N14	E10	9165	09 16.0	43	2B		C	514	5.4 E
0092		15 0822	0826	0846	N12	E10	9165	09 16.1	24	SF			14	
	LEAR	15 0822	0826	0849	N12	E10	9165	09 16.1	27	SF	3	E	17	
	SVTO	15 0823	0830	0842	N13	E09	9165	09 16.0	19	SF	3	E	10	
0093	URUM	15 0840E	0840	0840D	N13	E11	9165	09 16.2	19D	SB		P	48	0.5 D
0094	KANZ	15 0942	0942	0948	N14	E09	9165	09 16.1	6	SF	2	E		
0095		15 0950	0951	1041	N15	E05	9165	09 15.8	51	SF	2	E	17	F
	KANZ	15 0950	0951	1041	N15	E05	9165	09 15.8	51	SF	2	E	17	F
	SVTO	15 0950	0954	1028	N15	E07	9165	09 15.9	38	SF	3	E	17	F
0096		15 1054	1057	1121	N12	E08	9165	09 16.0	27	SF			56	F
	RAMY	15 1054E	1056U	1125	N12	E08	9165	09 16.0	31D	SN	3	E	68	F
	KANZ	15 1054	1057	1119	N12	E08	9165	09 16.0	25	SF	2	E		
	SVTO	15 1054	1057	1120	N13	E08	9165	09 16.0	26	SF	3	E	44	F
0097	HOLL	15 1340	1341	1343	S12	E71	9166	09 20.9	3	SF	3	E	14	
0098	HOLL	15 1344	1348	1353	S12	E70	9166	09 20.8	9	SF	3	E	27	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								Region	Class							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0099		15	14311	14344	1502	N12	E06	9165	09	16.0	31	1N					121		EF
	HOLL	15	1431	1438	1506	N12	E07	9165	09	16.1	35	1N		3	E		135		F
	SVTO	15	1432	1433U	1451D	N12	E06	9165	09	16.0	19D	1N		3	E		101		F
	RAMY	15	1432	1434	1457	N13	E04	9165	09	15.9	25	1N		3	E		128		FE
0100	HOLL	15	1507	1507	1514	N13	E03	9165	09	15.8	7	SF		3	E		13		
0101		15	1610*	17084	1732	N14	E04	9165	09	16.0	82	SF					40		F
	HOLL	15	1610	1712	1746	N14	E04	9165	09	16.0	96	SF		3	E		68		
	RAMY	15	1704	1708	1719	N14	E03	9165	09	15.9	15	SF		3	E		11		F
0102	HOLL	15	1756	1756	1808	N13	E03	9165	09	16.0	12	SF		3	E		21		F
0103	HOLL	15	1831	1832	1845	S14	E71	9166	09	21.1	14	SF		3	E		69		F
0104	HOLL	15	2045	2047	2049	S33	W71	9156	09	10.2	4	SF		3	E		32		
0105	HOLL	15	2053	2056	2130	N12	E04	9165	09	16.2	37	SF		3	E		84		F
0106	HOLL	15	2355	2355	2358	S12	E65	9166	09	20.9	3	SF		3	E		15		
0107	LEAR	16	0224	0224	0236	N15	W07	9165	09	15.6	12	SF		4	E		51		
0108	LEAR	16	0331	0345	0406	N12	W01	9165	09	16.1	35	1N		4	E		115		F
0109		16	04073	04175	0509	N14	W06	9165	09	15.7	62	2B					590	7.5	EU
	LEAR	16	0407	0417	0548	N14	W07	9165	09	15.6	101	2B		4	E		456		UE
	URUM	16	0410	0422	0430	N14	W05	9165	09	15.8	20	2B			C		723	7.5	E
0110		16	0644	06457	0702	N13	W04	9165	09	16.0	18	SF					21		F
	SVTO	16	0644	0645	0648	N14	W05	9165	09	15.9	4	SF		3	E		12		F
	LEAR	16	0644	0652	0710	N15	W06	9165	09	15.8	26	SF		4	E		30		F
	KANZ	16	0655E		0709	N11	W02	9165	09	16.1	14D	SF		2	E				
0111		16	08161	0818	0826	N07	W06	9161	09	15.9	10	SF					13		F
	KANZ	16	0816	0818	0825	N07	W06	9161	09	15.9	9	SF		2	E				
	LEAR	16	0817	0818	0827	N07	W06	9161	09	15.9	10	SF		4	E		13		F
0112		16	09016	0910	0926	N12	W04	9165	09	16.1	25	SF					22		F
	LEAR	16	0901	0910	0925	N12	W04	9165	09	16.1	24	SF		3	E		32		F
	KANZ	16	0901	0910	0931	N11	W04	9165	09	16.1	30	SF		2	E				
	SVTO	16	0907	0910	0921	N12	W04	9165	09	16.1	14	SF		3	E		11		F
0113		16	10402	10421	1048	N14	W08	9165	09	15.8	8	SF					18		F
	KANZ	16	1040	1043	1048	N14	W08	9165	09	15.8	8	SF		2	E				
	SVTO	16	1042	1042	1047	N14	W08	9165	09	15.8	5	SF		3	E		18		F
0114	KANZ	16	1117	1121	1142	N11	W06	9165	09	16.0	25	SF		2	E				
0115		16	13082	13102	1319	N14	W08	9165	09	15.9	11	SF					28		F
	RAMY	16	1308	1312	1323	N14	W08	9165	09	15.9	15	SF		3	E		39		F
	SVTO	16	1310	1310	1315	N14	W09	9165	09	15.9	5	SF		3	E		17		F
0116	RAMY	16	1326	1326	1328	N14	W10	9165	09	15.8	2	SF		3	E		16		
0117		16	14181	1428	1501	N14	W07	9165	09	16.1	43	2N					353		FU
	HOLL	16	1418	1428	1509	N13	W07	9165	09	16.1	51	2N		3	E		350		UF
	SVTO	16	1419	1428	1455	N14	W07	9165	09	16.1	36	2N		3	E		289		F
	RAMY	16	1419	1428	1500	N14	W06	9165	09	16.1	41	2N		3	E		419		UF
0118		16	1422	14225	1428	N06	W08	9161	09	16.0	6	SF					22		
	HOLL	16	1422	1422	1428	N04	W10	9161	09	15.8	6	SF		3	E		24		
	RAMY	16	1422	1427	1429	N07	W07	9161	09	16.1	7	SF		3	E		20		
0119	HOLL	16	1641	1645	1657	S12	E56	9166	09	20.9	16	SF		3	E		98		
0120	HOLL	16	1659	1703	1708	S12	E55	9166	09	20.8	9	SF		3	E		12		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0121		16	17151	17222	1733	N12	W08	9165	09	16.1	18	SF				22		F
	HOLL	16	1715	1722	1734	N12	W08	9165	09	16.1	19	SF	3	E		26		
	RAMY	16	1716	1724	1732	N12	W07	9165	09	16.2	16	SF	3	E		18		F
0122	HOLL	16	1732	1741	1815	S13	E55	9166	09	20.9	43	SF	3	E		59		
0123	HOLL	16	2015	2018	2038	N14	W14	9165	09	15.8	23	SF	3	E		58		
0124	HOLL	16	2040	2041	2053	S12	E54	9166	09	20.9	13	SF	3	E		12		
0125	HOLL	16	2137	2138	2143	N11	W11	9165	09	16.1	6	SF	3	E		29		
0126	HOLL	16	2200	2200	2221	S14	E54	9166	09	21.0	21	SF	3	E		12		
0127	HOLL	16	2215	2217	2228	N12	W09	9165	09	16.2	13	SF	3	E		74		
0128	HOLL	16	2223	2231	2253	S13	E41	9166	09	20.0	30	SF	3	E		21		
0129	HOLL	16	2253	2253	2304	N11	W10	9165	09	16.2	11	SF	3	E		43		
0130	HOLL	16	2254	2257	2300	S12	E53	9166	09	20.9	6	SF	3	E		25		
0131	HOLL	16	2300	2306	2309	S12	E53	9166	09	20.9	9	SF	3	E		11		
0132	HOLL	17	0021	0021	0024	N15	E82	9167	09	23.2	3	SF	3	E		15		
0133	HOLL	17	0024	0025	0028	S15	W58	9163	09	12.6	4	SF	3	E		16		
0134	LEAR	17	0030	0039	0100	S16	E51	9166	09	20.9	30	SF	3	E		34		
0135	LEAR	17	0041	0042	0115	N12	W12	9165	09	16.1	34	SF	3	E		68		
0136	URUM	17	0114	0122	0130	N15	W11	9165	09	16.2	16	1F		C		241	2.6	E
0137	LEAR	17	0159	0200	0214	S13	E49	9166	09	20.8	15	SF	3	E		38		
0138	URUM	17	0304E	0304	0308	N10	W13	9165	09	16.1	4D	SB		P		48	0.5	E
0139	URUM	17	0422	0426	0430	N12	W14	9165	09	16.1	8	SF		C		48	0.5	E
0140	LEAR	17	0448	0449	0504	N13	E86	9167	09	23.7	16	SF	4	E		37		
0141		17	05132	05171	0520	N12	W14	9165	09	16.2	7	SN				24	0.3	DFH
	URUM	17	0513	0517	0521	N12	W14	9165	09	16.2	8	SB		C		32	0.3	D
	LEAR	17	0515	0518	0520	N13	W15	9165	09	16.1	5	SF	4	E		15		FH
0142		17	05291	05365	0554	N14	W18	9165	09	15.9	25	SN				126	1.7	EF
	URUM	17	0529	0541	0556	N13	W17	9165	09	15.9	27	SN		C		161	1.7	E
	LEAR	17	0530	0536	0553	N14	W18	9165	09	15.9	23	SF	3	E		90		F
0143		17	06306	06371	0654	N14	E84	9167	09	23.6	24	1F				166		
	LEAR	17	0630	0638	0706	N13	E85	9167	09	23.7	36	1F	3	E		244		
	SVTO	17	0636	0637	0643	N14	E82	9167	09	23.5	7	SF	3	E		88		
0144	URUM	17	0640	0644	0704	N12	E81	9167	09	23.4	24	SF		C		32		A
0145	URUM	17	0927E	0927	0927D	N12	W17	9165	09	16.1	24D	SB		P		32	0.3	D
0146	HOLL	17	1634	1635	1647	N13	W25	9165	09	15.8	13	SF	3	E		23		
0147	HOLL	17	1714	1715	1718	S10	E40	9166	09	20.7	4	SF	3	E		21		
0148	HOLL	17	1821	1824	1841	N13	W26	9165	09	15.8	20	SF	3	E		23		
0149	HOLL	17	2058	2101	2112	N16	E75	9167	09	23.6	14	SF	3	E		46		
0150	HOLL	17	2116	2117	2141	N13	W29	9165	09	15.7	25	SF	3	E		51		
0151	HOLL	17	2119	2129	2152	S10	E39	9166	09	20.8	33	SF	3	E		55		

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0152	HOLL	17	2304	2304	2312	N12 W31	9165	09	15.6	8	SF		3	E		10			
0153	LEAR	18	0247	0249	0253	N12 E69	9167	09	23.3	6	SF		4	E		46			
0154	LEAR	18	0334	0336	0345	N15 W33	9165	09	15.6	11	SF		4	E		17			
0155	LEAR	18	0519	0530	0535	S10 E35	9166	09	20.8	16	SF		3	E		73			F
0156	LEAR	18	0700	0701	0708	N11 E68	9167	09	23.4	8	SF		3	E		19			
0157	URUM	18	0856	0904	0913	N13 W35	9165	09	15.7	17	SF			P		96	1.2		E
0158		18	0900	09013	0910	S12 E31	9166	09	20.7	10	SN					52	1.0		EF
	SVTO	18	0900	0901	0908	S12 E30	9166	09	20.6	8	SF		3	E		23			F
	URUM	18	0904E	0904	0913	S13 E32	9166	09	20.8	9D	SN			P		80	1.0		E
		18	1131		1222	No Flare Patrol													
0159	RAMY	18	1227	1230	1244	N12 E63	9167	09	23.3	17	SF		3	E		11			F
0160	HOLL	18	1342	1344	1349	N13 E64	9167	09	23.4	7	SF		3	E		11			
0161	HOLL	18	1352	1352	1356	N14 E65	9167	09	23.5	4	SF		3	E		14			
0162	HOLL	18	1444	1449	1545	S13 E31	9166	09	20.9	61	SF		3	E		34			F
0163	HOLL	18	1513	1514	1522	N11 E63	9167	09	23.4	9	SF		3	E		17			F
0164	HOLL	18	1854	1857	1915	S10 E26	9166	09	20.7	21	SF		3	E		34			F
0165	HOLL	18	2018	2107	2200	S14 E27	9166	09	20.9	102	1F		3	E		105			
0166	HOLL	18	2030	2034	2105	N15 E61	9167	09	23.5	35	SF		3	E		27			F
0167	HOLL	18	2215	2222	2242	S11 E24	9166	09	20.7	27	SF		3	E		55			F
0168	HOLL	18	2330	2332	2343	N14 E59	9167	09	23.4	13	SF		3	E		22			
0169	HOLL	18	2343	2353	2357	N14 E59	9167	09	23.4	14	SF		3	E		11			
0170		18	2348	23512	2405	N15 W37	9165	09	16.2	17	1F					104			F
	LEAR	18	2348	2351	2405	N15 W36	9165	09	16.3	17	1F		3	E		102			
	HOLL	18	2348	2353	2405	N15 W38	9165	09	16.1	17	1F		3	E		107			F
0171		18	23491	2351	2417	S14 E26	9166	09	20.9	28	1F					136			F
	LEAR	18	2349	2351	2405	S15 E26	9166	09	21.0	16	1F		3	E		151			
	HOLL	18	2350	2351	2429	S14 E25	9166	09	20.9	39	1F		3	E		120			F
0172	HOLL	19	0014	0028	0031	N14 E57	9167	09	23.3	17	SF		3	E		40			
0173	LEAR	19	0143	0144	0154	S14 E25	9166	09	21.0	11	SF		3	E		20			F
0174	LEAR	19	0158	0159	0212	N14 E65	9169	09	24.0	14	SF		3	E		99			F
0175	LEAR	19	0227	0228	0237	S15 E25	9166	09	21.0	10	SF		3	E		32			F
0176	URUM	19	0326	0330	0338	N14 E63	9167	09	23.9	12	SN			C		32	0.7		E
0177		19	0330	03322	0346	S15 E24	9166	09	21.0	16	SN					119	2.0		EF
	LEAR	19	0330	0332	0343	S15 E23	9166	09	20.9	13	SF		3	E		77			F
	URUM	19	0330	0334	0350	S15 E24	9166	09	21.0	20	SB			C		161	2.0		E
0178	LEAR	19	0409	0409	0416	S10 E21	9166	09	20.7	7	SF		3	E		14			F
0179	LEAR	19	0614	0616	0618	N09 E64	9169	09	24.1	4	SF		3	E		14			
0180	URUM	19	0646	0651	0655	S13 E24	9166	09	21.1	9	SN			C		32	0.4		D

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks	
												Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0181		19 0647	0651	0701	N12	E63	9169	09 24.0	14	SF			41			
	LEAR	19 0647	0651	0702	N09	E64	9169	09 24.1	15	SF	3	E	41			
	KANZ	19 0648	0652	0700	N15	E62	9169	09 24.0	12	SF	2	E				
0182	URUM	19 0727	0731	0739	S14	E22	9166	09 21.0	12	SN		C	129	1.5	E	
0183	LEAR	19 0809	0812U	0930D	N14	W46	9165	09 15.9	81D	1N	3	E	130		F	
0184		19 0820	0838	0931	N14	W44	9165	09 16.0	71	2N			418	6.0	E	
	KANZ	19 0820E	0824U	0932	N14	W44	9165	09 16.0	72D	1F	2	E				
	URUM	19 0820	0838	0930	N14	W44	9165	09 16.0	70	2B		C	418	6.0	E	
		19 1123		1131	No Flare Patrol											
		19 1237		1325	No Flare Patrol											
0185	HOLL	19 1433	1434	1449	N10	E66	9169	09 24.6	16	SF	3	E	21			
0186		19 1516	1517	1538	S10	E12	9166	09 20.5	22	1F			142		FH	
	HOLL	19 1516	1517	1538	S08	E12	9166	09 20.5	22	1F	3	E	119		H	
	RAMY	19 1518	1518	1546D	S12	E13	9166	09 20.6	28D	1F	3	E	164		FH	
0187		19 1638*	1638*	1656	N09	E63	9169	09 24.4	18	SF			16		F	
	HOLL	19 1638	1638	1656	N10	E63	9169	09 24.4	18	SF	3	E	19		F	
	RAMY	19 1648	1649	1655	N08	E63	9169	09 24.4	7	SF	3	E	12			
0188	RAMY	19 1744	1744	1816	S14	E16	9166	09 20.9	32	SF	3	E	13			
0189		19 1956	2001	2008	N13	E45	9167	09 23.2	12	SF			30			
	HOLL	19 1956	2001	2008	N14	E45	9167	09 23.2	12	SF	3	E	38			
	RAMY	19 1958	2001	2009	N12	E45	9167	09 23.2	11	SF	3	E	22			
0190	HOLL	19 2043	2043	2053	S13	E14	9166	09 20.9	10	SF	3	E	15		F	
0191	HOLL	19 2235	2237	2241	S12	E12	9166	09 20.8	6	SF	3	E	46		F	
0192	HOLL	19 2244	2245	2309	S13	E13	9166	09 20.9	25	SF	3	E	21		F	
0193	HOLL	19 2240	2241	2252	N12	W55	9165	09 15.8	12	SF	3	E	23			
0194	LEAR	20 0024	0024	0040	N13	E44	9167	09 23.3	16	SF	3	E	23			
		20 0059		0103	No Flare Patrol											
0195	LEAR	20 0346	0346	0350	S12	E08	9166	09 20.7	4	SF	3	E	17			
0196		20 0556	0559	0612	N12	W59	9165	09 15.8	16	SN			67	1.0	D	
	LEAR	20 0556	0600	0618	N13	W59	9165	09 15.8	22	SF	3	E	85			
	MITK	20 0559	0559	0607	N12	W59	9165	09 15.8	8	SN		C	0559	49	1.0	D
0197		20 0801	0809	0816	N16	W55	9165	09 16.2	15	SF			35			
	LEAR	20 0801	0809	0816	N16	W55	9165	09 16.2	15	SF	3	E	35			
	KANZ	20 0802	0810	0812D	N15	W55	9165	09 16.2	10D	SF	2	E				
		20 0935		0948	No Flare Patrol											
		20 0959		1009	No Flare Patrol											
0198		20 1148	1156	1209	N06	E52	9169	09 24.4	21	SF			58			
	KANZ	20 1148	1156	1208	N08	E51	9169	09 24.3	20	SF	2	E				
	RAMY	20 1152	1156	1210	N05	E52	9169	09 24.4	18	SF	3	E	58			
0199	KANZ	20 1231	1243U	1247D	N09	E41	9169	09 23.6	16D	SF	2	E				
0200		20 1441	1441	1448	N08	E50	9169	09 24.4	7	SF			17		F	
	SVTO	20 1441	1441	1447	N09	E50	9169	09 24.4	6	SF	3	E	10		F	
	RAMY	20 1442	1442	1448	N06	E51	9169	09 24.4	6	SF	3	E	24			
0201	HOLL	20 1514	1521	1545	N09	E41	9169	09 23.7	31	SF	3	E	44			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								USAF Region							Mo	Day	Time (UT)	
0202		20	18421	1843	1853	N11	E40	9169	09	23.8	11	SF				24		FH
	HOLL	20	1842	1843	1848	N13	E40	9169	09	23.8	6	SF	3	E		18		H
	RAMY	20	1843	1843	1858	N09	E39	9169	09	23.7	15	SF	3	E		29		F
0203	RAMY	20	1908	1909	1913	N10	E40	9169	09	23.8	5	SF	3	E		18		F
		20	2400		2400	No Flare Patrol												
		21	0000		0009	No Flare Patrol												
		21	0017		0024	No Flare Patrol												
0204	LEAR	21	0155E	0159U	0225D	N12	E45	9169	09	24.5	30D	SF	3	E		87		
0205		21	09161	0917	0932	N14	W70	9165	09	16.1	16	SF				20		
	LEAR	21	0916	0917U	0925D	N15	W72	9165	09	15.9	9D	SF	2	E		20		
	KANZ	21	0917	0917	0932	N14	W69	9165	09	16.2	15	SF	2	E				
0206	KANZ	21	0926	0930	0935	S12	W09	9166	09	20.7	9	SF	2	E				
0207	RAMY	21	1117	1131	1133	N08	E52	9169	09	25.4	16	SF	3	E		15		
0208	RAMY	21	1255	1255	1258	S11	W13	9166	09	20.6	3	SF	3	E		22		
		21	2122		2151	No Flare Patrol												
0209	HOLL	21	2309	2317	2328	N09	E24	9169	09	23.8	19	SF	3	E		35		
0210	HOLL	21	2337	2338	2343	N08	E28	9169	09	24.1	6	SF	3	E		32		
0211	URUM	22	0308E	0308	0308D	S04	W16		09	20.9	6D	SB		P		96	1.0	E
0212		22	0416	04166	0426	N06	E22	9169	09	23.8	10	SN				74	1.4	E
	LEAR	22	0416	0416	0426	N07	E21	9169	09	23.7	10	SF	4	E		20		
	URUM	22	0422E	0422	0426	N06	E22	9169	09	23.8	4D	SN		P		129	1.4	E
0213	LEAR	22	0434	0436	0447	N15	W87	9165	09	15.6	13	SF	4	E		29		
0214	KANZ	22	0926	0928	0931	N12	E24	9169	09	24.2	5	SF	2	E				
0215	KANZ	22	0940	0942	0952	N17	E07	9167	09	22.9	12	SF	2	E				
0216		22	0931	0940*	1017	N08	E17	9169	09	23.7	46	SF				40		F
	KANZ	22	0931	0940	0958D	N07	E17	9169	09	23.7	27D	SF	2	E				
	SVTO	22	0947E	0951	1017	N08	E17	9169	09	23.7	30D	SF	3	E		40		F
0217	RAMY	22	1255	1304	1338	N07	E23	9169	09	24.3	43	SF	3	E		91		F
0218	HOLL	22	1420	1422	1427	N07	E20	9169	09	24.1	7	SF	3	E		19		F
0219		22	16078	16114	1630	N06	E24	9169	09	24.5	23	SF				38		F
	HOLL	22	1607	1611	1635	N08	E24	9169	09	24.5	28	SF	3	E		42		F
	RAMY	22	1615	1615	1624	N05	E25	9169	09	24.5	9	SF	3	E		34		
0220	HOLL	22	1635	1636	1641	S12	W27	9166	09	20.6	6	SF	3	E		25		
0221	HOLL	22	1729	1730	1745	N08	E19	9169	09	24.1	16	SF	3	E		18		F
0222	HOLL	22	1745	1747	1753	N08	E18	9169	09	24.1	8	SF	3	E		15		F
0223	HOLL	22	1804	1805	1807	N09	E14	9169	09	23.8	3	SF	3	E		22		F
0224	HOLL	22	1838	1839	1849	N11	E13	9169	09	23.7	11	SF	3	E		17		F
0225	HOLL	22	1855	1904U	1921	N09	E23	9169	09	24.5	26	SF	3	E		46		F
		22	1857		1905	No Flare Patrol												
0226	HOLL	22	2011	2012	2014	N14	E18	9169	09	24.2	3	SF	3	E		23		
0227	HOLL	22	2044	2045	2054	N13	E26	9169	09	24.8	10	SF	3	E		15		

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
							USAF Region							Mo	Day	Time (UT)	
0228		22	2100	2101	2113	N11 E15	9169	09	24.0	13	SF				70		FH
	HOLL	22	2100	2101	2113	N12 E15	9169	09	24.0	13	SF	3	E		74		FH
	RAMY	22	2100	2101	2131D	N10 E15	9169	09	24.0	31D	SF	3	E		65		
0229		22	21033	2107	2145	S13 W30	9166	09	20.6	42	1F				138		F
	HOLL	22	2103	2107	2145	S14 W26	9166	09	20.9	42	1F	3	E		146		F
	RAMY	22	2106	2107	2131D	S12 W33	9166	09	20.4	25D	1F	3	E		130		
0230	HOLL	22	2145	2147	2149	S12 W30	9166	09	20.6	4	SF	3	E		26		
0231	HOLL	22	2142	2142	2148	N08 E17	9169	09	24.2	6	SF	3	E		14		
0232	HOLL	22	2149	2151	2156	N14 E18	9169	09	24.3	7	SF	3	E		36		
0233	HOLL	23	0018	0020U	0048D	N09 E14	9169	09	24.1	30D	SF	3	E		51		F
		23	0108		0120	No Flare Patrol											
0234	LEAR	23	0152	0155	0230	S13 W31	9166	09	20.7	38	SF	4	E		45		F
0235	URUM	23	0158	0214	0248	S12 W31	9166	09	20.7	50	2N		P		418	5.4	E
0236		23	02149	0225*	0246	N12 E09	9169	09	23.8	32	SN				82	1.2	DF
	URUM	23	0214	0225	0241	N12 E09	9169	09	23.8	27	SB		C		113	1.2	D
	LEAR	23	0223	0236	0250	N11 E09	9169	09	23.8	27	SF	4	E		51		F
0237	URUM	23	0233	0237	0252	N09 E19	9169	09	24.5	19	SF		C		32	0.3	E
0238		23	0402	04024	0418	S10 W34	9166	09	20.6	16	SN				86	1.5	E
	LEAR	23	0402	0402	0418	S10 W34	9166	09	20.6	16	SF	3	E		58		
	URUM	23	0402	0406	0418	S11 W34	9166	09	20.6	16	SN		C		113	1.5	E
0239		23	04226	04265	0434	N08 E10	9169	09	23.9	12	SF				48	0.8	E
	URUM	23	0422	0426	0434	N06 E13	9169	09	24.1	12	SF		C		80	0.8	E
	LEAR	23	0428	0431	0434	N11 E08	9169	09	23.8	6	SF	3	E		16		
0240		23	04531	04553	0517	N12 E06	9169	09	23.6	24	SN				66	0.8	EF
	LEAR	23	0453	0455	0515	N11 E06	9169	09	23.6	22	SF	3	E		53		F
	URUM	23	0454	0458	0519	N12 E06	9169	09	23.6	25	SB		C		80	0.8	E
0241		23	05511	05524	0604	N17 W04	9167	09	22.9	13	SF				59	1.4	EF
	LEAR	23	0551	0556	0605	N17 W04	9167	09	22.9	14	SF	3	E		39		F
	SVTO	23	0552	0552	0604	N17 W04	9167	09	22.9	12	SF	3	E		10		F
	URUM	23	0552	0556	0604	N17 W04	9167	09	22.9	12	SN		C		129	1.4	E
0242	LEAR	23	0606	0611	0624	N12 E06	9169	09	23.7	18	SF	3	E		22		
0243		23	0628	06302	0637	N12 E06	9169	09	23.7	9	SN				31	0.3	D
	LEAR	23	0628	0630	0637	N11 E06	9169	09	23.7	9	SF	3	E		30		
	URUM	23	0632E	0632	0632D	N12 E07	9169	09	23.8	9D	SN		P		32	0.3	D
0244		23	07028	07181	0734	N06 E11	9169	09	24.1	32	SF				52		FH
	KANZ	23	0702	0718	0733	N06 E10	9169	09	24.0	31	SF	2	E				
	LEAR	23	0706	0718	0738	N05 E11	9169	09	24.1	32	SF	3	E		68		FH
	SVTO	23	0710	0719	0731	N06 E11	9169	09	24.1	21	SF	3	E		37		FH
0245	KANZ	23	0722	0722	0805	N11 E05	9169	09	23.7	43	SF	2	E				
0246	KANZ	23	0813	0814	0824D	S10 W35	9166	09	20.7	11D	SF	2	E				
0247	KANZ	23	0816	0816	0824D	N07 E13	9169	09	24.3	8D	SF	2	E				
0248	KHAR	23	0903U	0915	0925	S07 E90	9173	09	30.1	22U	SF	2	P	0907	40		DH
0249	RAMY	23	1145	1146	1150	N12 E08	9169	09	24.1	5	SF	3	E		25		
0250	KANZ	23	1349E	1350	1409	N19 W08	9167	09	23.0	20D	SF	2	E				
0251	RAMY	23	1539	1541	1543	N09 E03	9169	09	23.9	4	SF	3	E		16		

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks		
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)			
		23	1626		1716			No Flare Patrol													
		23	1756		2036			No Flare Patrol													
0252	HOLL	23	2039	2039	2049	S14	W44	9166	09	20.5	10	SF		3	E			11			
		23	2140		2143			No Flare Patrol													
0253	RAMY	23	2158E	2158U	2202D	N09	E02	9169	09	24.1	4D	1F		3	E			138		F	
0254	HOLL	23	2227	2228U	2308D	N09	E01	9169	09	24.0	41D	SF		3	E			18		F	
		23	2230		2256			No Flare Patrol													
0255		23	2307	2309U	2334	S12	W44	9166	09	20.6	27	1F						109		F	
	HOLL	23	2259E	2309U	2337D	S13	W44	9166	09	20.6	38D	1F		3	E			123		F	
	LEAR	23	2307	2309U	2334	S11	W45	9166	09	20.6	27	SF		3	E			95		F	
0256	LEAR	24	0255	0258	0307	S18	W43	9166	09	20.8	12	SF		3	E			15		F	
0257	LEAR	24	0311	0337	0423	S15	W45	9166	09	20.7	72	2N		3	E			267		EF	
0258	LEAR	24	0652	0703	0728	S11	W50	9166	09	20.5	36	SF		3	E			38		F	
0259	LEAR	24	0721	0721	0726	N13	E05	9169	09	24.7	5	SF		3	E			20			
0260		24	09003	09033	0918	S11	W50	9166	09	20.6	18	SF						26		DO	
	KHAR	24	0900	0906	0915	S13	W49	9166	09	20.7	15	SF		2	P	0915		35		OD	
	LEAR	24	0903	0903	0922	S09	W50	9166	09	20.6	19	SF		3	E			18			
0261	KHAR	24	0918		0926	S13	W12	9170	09	23.5	8	SF		2	P					DL	
0262	KHAR	24	0948	0951	1001	S13	W10	9170	09	23.6	13	SN		2	P	0957		54		L	
0263	KHAR	24	1005	1006	1015	S07	E82	9173	09	30.6	10	SF		2	V					D	
0264		24	1127	1129	1145	S10	W50	9166	09	20.7	18	SF						21		DF	
	KHAR	24	1127		1132D	S13	W50	9166	09	20.7	5D	SF		2	V					D	
	RAMY	24	1127	1129	1145	S08	W51	9166	09	20.6	18	SF		3	E			21		F	
0265		24	1158*	1321	1333	S09	W52	9166	09	20.6	95	SF						32			
	RAMY	24	1158	1321	1341	S08	W53	9166	09	20.5	103	SF		3	E			54			
	SVTO	24	1321	1321	1325	S10	W51	9166	09	20.7	4	SF		3	E			11			
0266	RAMY	24	1240	1242	1245	N14	W09	9169	09	23.8	5	SF		3	E			13			
0267	RAMY	24	1315	1316	1324	N11	W11	9169	09	23.7	9	SF		3	E			14		F	
0268		24	1405	14051	1426	S12	W53	9166	09	20.6	21	SF						38		F	
	RAMY	24	1405	1405	1430	S10	W53	9166	09	20.6	25	SF		3	E			42		F	
	HOLL	24	1405	1406	1423	S14	W53	9166	09	20.6	18	SF		3	E			35		F	
0269	HOLL	24	1517	1518	1524	S13	W51	9166	09	20.8	7	SF		3	E			14			
0270		24	1517*	15321	1545	S10	W52	9166	09	20.7	28	SF						14		F	
	RAMY	24	1517	1532	1547	S09	W52	9166	09	20.7	30	SF		3	E			12		F	
	HOLL	24	1533	1533	1543	S12	W51	9166	09	20.8	10	SF		3	E			15		F	
0271	HOLL	24	1623	1624	1633	N16	W04	9169	09	24.4	10	SF		3	E			15		F	
0272	HOLL	24	1626	1627	1631	S12	W51	9166	09	20.8	5	SF		3	E			17			
0273	HOLL	24	1732	1734	1739	S11	W53	9166	09	20.7	7	SF		3	E			23			
0274	HOLL	24	2141	2141	2149	S14	W55	9166	09	20.7	8	SF		3	E			10		F	
0275		24	22571	23056	2326	S13	W56	9166	09	20.7	29	SF						27		F	
	HOLL	24	2257	2305	2323	S15	W56	9166	09	20.7	26	SF		3	E			27		F	
	LEAR	24	2258	2311	2330	S11	W56	9166	09	20.7	32	SF		3	E			27		F	

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Grp #	Sta	Start Day	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
							USAF Region								Mo Day	Apparent (10-6 Disk)	
0276		25 0016	0017	0024	N13	W16	9169	09 23.8	8	SF					45		F
	HOLL	25 0016	0017	0023	N13	W17	9169	09 23.7	7	SF		3	E		41		
	LEAR	25 0016	0017	0024	N13	W16	9169	09 23.8	8	SF		3	E		49		F
0277		25 00452	00496	0117	S13	W60	9166	09 20.5	32	1N					238	5.8	EF
	LEAR	25 0045	0055	0121	S11	W59	9166	09 20.6	36	1N		3	E		176		FE
	MITK	25 0047	0049	0109	S13	W58	9166	09 20.6	22	2N			C	0049	280	5.8	E
	URUM	25 0050E	0050	0121	S14	W62	9166	09 20.3	31D	1B			P		257		E
0278		25 0207	02118	0242	N10	W20	9169	09 23.6	35	2B					431	4.8	ET
	URUM	25 0207	0211	0238	N10	W20	9169	09 23.6	31	2B			C		563	6.2	E
	MITK	25 0207	0219	0246	N10	W20	9169	09 23.6	39	1B			C	0219	299	3.3	T
0279	URUM	25 0815E	0815	0834	N17	W12	9169	09 24.4	19D	SN			P		32	0.3	D
0280	KHAR	25 0923U		0935D	S14	W62	9166	09 20.7	12U	SF		2	V				D
0281	KANZ	25 1128	1132	1139	N15	W13	9169	09 24.5	11	SF		2	E				
0282	SVTO	25 1223	1223U	1250D	N17	W15	9169	09 24.4	27D	SF		3	E		16		
0283	KANZ	25 1241E	1241U	1305	N16	W14	9169	09 24.5	24D	SF		2	E				
0284	HOLL	25 1339	1341	1351	S13	W63	9166	09 20.8	12	SF		3	E		37		
0285	HOLL	25 1423	1426	1430	S10	E73	9173	10 1.1	7	SF		4	E		22		
0286	HOLL	25 2320	2320	2326	N10	W23	9169	09 24.2	6	SF		3	E		14		F
0287	KANZ	26 0654	0654	0701	N07	W31	9169	09 24.0	7	SF		2	E				
0288	KHAR	26 1034	1036	1045	S18	W71	9166	09 21.0	11	SF		2	P	1037	50		D
0289	KHAR	26 1107	1108	1120	N05	W33	9169	09 24.0	13	SN		2	P	1108	35		D
0290	KANZ	26 1222	1224	1228	N05	W35	9169	09 23.9	6	SF		2	E				
0291		26 1230	1232	1242	S14	E60	9173	10 1.0	12	SF					24		
	KANZ	26 1230	1232	1242	S14	E60	9173	10 1.0	12	SF		2	E				
	SVTO	26 1232E	1233U	1240D	S15	E59	9173	10 1.0	8D	SF		3	E		24		
0292	HOLL	26 1339	1342	1348	S07	W27	9170	09 24.5	9	SF		3	E		22		
0293	HOLL	26 1348	1354	1400	S07	W26	9170	09 24.6	12	SF		3	E		10		F
0294	HOLL	26 2106	2110	2116	S08	E89	9176	10 3.5	10	SF		3	E		46		
0295	HOLL	26 2116	2122	2129	S09	E89	9176	10 3.6	13	SF		3	E		88		
0296	HOLL	26 2142	2147	2205	S13	E57	9173	10 1.2	23	SF		3	E		54		F
0297	HOLL	26 2248	2249	2254	S08	E89	9176	10 3.6	6	SF		3	E		30		
0298	HOLL	26 2307	2308	2311	N15	W34	9169	09 24.4	4	SF		3	E		13		F
0299		26 23511	2353	2357	N24	E68	9175	10 2.2	6	SF					32		
	LEAR	26 2351	2353	2358	N22	E68	9175	10 2.2	7	SF		3	E		29		
	HOLL	26 2352	2353	2356	N25	E69	9175	10 2.3	4	SF		3	E		35		
0300	HOLL	27 0015	0016	0031	S13	E53	9173	10 1.0	16	SF		3	E		16		
0301		27 0117	0119*	0148	N16	W52	9167	09 23.1	31	1N					183	5.5	EFU
	LEAR	27 0117	0119	0154	N17	W52	9167	09 23.1	37	SF		3	E		45		UF
	URUM	27 0120E	0132	0143	N16	W53	9167	09 23.0	23D	2B			P		321	5.5	E
0302	LEAR	27 0137	0138	0200	N11	W46	9169	09 23.6	23	SF		3	E		70		F
0303		27 0307	03103	0328	N18	W58	9167	09 22.7	21	1B					120	2.6	EH
	LEAR	27 0307	0310	0331	N18	W56	9167	09 22.9	24	1N		3	E		110		EH
	URUM	27 0313E	0313	0324	N17	W60	9167	09 22.6	11D	1B			P		129	2.6	E

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
								Region	Mo Day							Apparent (10-6 Disk)	Corr (Sq Deg)		
0304	LEAR	27	0311	0312	0317	S09	E83	9176	10	3.4	6	SF	3	E		21			
0305	LEAR	27	0332	0332	0339	S13	E49	9173	09	30.8	7	SF	3	E		15			
0306		27	0446	0449.5	0457	S09	W38	9170	09	24.3	11	SN				22	0.2	D	
	LEAR	27	0446	0449	0455	S08	W37	9170	09	24.4	9	SF	3	E		27			
	URUM	27	0446	0454	0459	S10	W38	9170	09	24.3	13	SN		C		16	0.2	D	
0307	KHAR	27	0944	0946	0956	S03	E78	9176	10	3.2	12	SF	2	P				O	
0308	KHAR	27	0947	0948	0957	N07	W40	9169	09	24.4	10	SF	2	P	0953	35		DH	
0309	KANZ	27	1334	1334	1337	N07	W47	9169	09	24.0	3	SF	2	E					
0310	HOLL	27	1350	1353	1406	S07	E77	9176	10	3.3	16	SF	3	E		38			
0311		27	1414.1	1415.3	1426	N08	W46	9169	09	24.1	12	SF				39		F	
	KANZ	27	1414	1418	1427	N06	W46	9169	09	24.1	13	SF	2	E					
	HOLL	27	1415	1415	1424	N10	W45	9169	09	24.2	9	SF	3	E		39		F	
0312		27	1429	1430	1436	N08	W47	9169	09	24.1	7	SF				13			
	KANZ	27	1429	1430	1436	N08	W47	9169	09	24.1	7	SF	2	E					
	HOLL	27	1429	1430	1437	N07	W47	9169	09	24.1	8	SF	3	E		13			
0313	HOLL	27	1416	1421	1428	S07	E78	9176	10	3.4	12	SF	3	E		14			
0314	HOLL	27	1428	1435	1439	S08	E77	9176	10	3.4	11	SF	3	E		11			
0315	HOLL	27	1508	1508	1512	S08	E78	9176	10	3.5	4	SF	3	E		19			
0316		27	1514	1515	1522	N12	W44	9169	09	24.3	8	SF				32		F	
	SVTO	27	1514	1515	1520	N10	W45	9169	09	24.2	6	SF	3	E		16		F	
	HOLL	27	1514	1515	1525	N14	W44	9169	09	24.3	11	SF	3	E		49		F	
0317	HOLL	27	1553	1558	1602	S11	E45	9173	10	1.0	9	SF	3	E		18			
0318	HOLL	27	1557	1557	1602	N07	W48	9169	09	24.1	5	SF	3	E		11		F	
0319	HOLL	27	1917	1918	1923	N07	W50	9169	09	24.0	6	SF	3	E		32			
0320	HOLL	27	2137	2138	2143	S14	E44	9173	10	1.2	6	SF	3	E		10			
0321		27	2257.1	2258.2	2308	S14	E42	9173	10	1.1	11	SF				22		F	
	LEAR	27	2257	2300	2310	S16	E41	9173	10	1.1	13	SF	3	E		30		F	
	HOLL	27	2258	2258	2307	S12	E42	9173	10	1.1	9	SF	3	E		13		F	
0322		27	2348	2350	2425	S13	E37	9173	09	30.8	37	SF				25		F	
	HOLL	27	2348	2348.0	2436.0	S12	E38	9173	09	30.8	48.0	SF	3	E		16			
	LEAR	27	2348	2350	2425	S14	E36	9173	09	30.7	37	SF	3	E		34		F	
0323	URUM	28	0117	0121	0141	N08	W64	9167	09	23.2	24	SN		C		16	0.4	D	
0324		28	0335.2	0336.5	0342	N11	W58	9169	09	23.8	7	SN				44	1.0	DH	
	LEAR	28	0335	0336	0345	N12	W56	9169	09	23.9	10	SF	3	E		33		H	
	MITK	28	0337	0337	0338	N11	W57	9169	09	23.9	1	SN		C	0337	20	0.4	D	
	URUM	28	0337	0341	0344	N11	W60	9169	09	23.6	7	SB		C		80	1.6	D	
0325	URUM	28	0344	0348	0404	N14	W52	9169	09	24.2	20	1N		C		129	2.1	E	
0326	KHAR	28	0852	0903	0912	S10	W51	9170A	09	24.5	20	SF	2	P	0857	45		DLO	
0327	KHAR	28	1001	1003	1015	S09	W54	9170A	09	24.4	14	SN	2	V				D	
0328	KHAR	28	1018	1021	1027	S13	E03	9171	09	28.6	9	SF	2	P	1025	40		E	
		28	1550		1556	No Flare Patrol													
		28	1656		1709	No Flare Patrol													
0329	HOLL	28	2018	2024	2027	S04	E54	9176	10	2.9	9	SF	3	E		12		F	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Xray Opt	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0330	HOLL	28	2018	2022	2037	S10	E30	9173	10	1.1	19	SF	3	E		20		F
0331	HOLL	28	2041	2044	2110	S11	E23	9173	09	30.6	29	SF	3	E		84		EF
0332	HOLL	28	2148	2154	2209	N12	E21	9172	09	30.5	21	SF	3	E		32		F
0333	LEAR	28	2250E	2252U	2341D	S13	E25	9173	09	30.8	51D	1F	3	E		110		F
0334	LEAR	29	0032	0035	0105	S12	E23	9173	09	30.7	33	SF	3	E		55		
0335	URUM	29	0220	0224	0228	S13	E24	9173	09	30.9	8	SF		C		16	0.2	D
0336	LEAR	29	0308	0319	0337	S23	E62	9178	10	3.9	29	SF	3	E		78		
0337	URUM	29	0315	0323	0338	S21	E69	9178	10	4.4	23	SF		C		32		E
0338		29	06535	0656*	0713	S13	E18	9173	09	30.6	20	1F				84	1.1	EF
	LEAR	29	0653	0657	0715	S13	E18	9173	09	30.6	22	1F	3	E		104		F
	KANZ	29	0653	0657	0718	S12	E18	9173	09	30.6	25	1F	2	E				
	SVTO	29	0654	0656	0707	S13	E19	9173	09	30.7	13	SF	3	E		53		F
	URUM	29	0658	0706	0710D	S14	E19	9173	09	30.7	12D	SN		P		96	1.1	E
0339	URUM	29	0859	0904	0923	S14	E22	9173	10	1.0	24	SF		C		16	0.2	D
0340		29	10124	1014	1025	S06	E48	9176	10	3.0	13	SF				22		H
	KANZ	29	1012	1014	1025	S06	E47	9176	10	2.9	13	SF	2	E				
	SVTO	29	1016	1016U	1021D	S07	E50	9176	10	3.2	5D	SF	3	E		22		H
0341	KANZ	29	1312	1312	1321D	S06	E45	9176	10	2.9	9D	SF	2	E				
0342	HOLL	29	1450	1451	1456	S12	E17	9173	09	30.9	6	SF	3	E		17		
0343		29	1642	1644	1652	S12	E15	9173	09	30.8	10	SF				24		
	HOLL	29	1642	1644	1652	S12	E15	9173	09	30.8	10	SF	3	E		26		
	RAMY	29	1643E	1643U	1651D	S13	E15	9173	09	30.8	8D	SF	3	E		23		
0344	HOLL	29	1753	1757	1802	S22	E56	9178	10	4.0	9	SF	3	E		11		
0345	HOLL	29	2049	2049	2055	S11	E13	9173	09	30.8	6	SF	3	E		36		
0346	LEAR	29	2359	2404	2416	N11	W78	9169	09	24.1	17	1F	3	E		112		
0347	HOLL	29	2359		2411	N04	W90	9169	09	23.3	12	SF	3	E		95		
0348	LEAR	30	0317	0317	0325	S13	E10	9173	09	30.9	8	SF	3	E		14		F
0349	LEAR	30	0554	0554	0602	S23	E49	9178	10	4.0	8	SF	3	E		13		
0350		30	0825	0829	0849	S19	E46	9178	10	3.9	24	SF				63		E
	LEAR	30	0825	0829	0843	S21	E45	9178	10	3.8	18	SF	3	E		71		
	KHAR	30	0838E		0855	S17	E47	9178	10	3.9	17D	SF	2	P	0850	55		E
0351	KHAR	30	0853U	0856	0901	N04	W90	9169	09	23.6	8U	SF	2	V				DH
0352		30	0858	0859I	0906	S12	E08	9173	10	1.0	8	SN				30		DE
	LEAR	30	0858	0859	0904	S13	E07	9173	09	30.9	6	SF	3	E		19		E
	KHAR	30	0858	0900	0907	S11	E09	9173	10	1.0	9	SN	2	P	0905	40		D
0353	KHAR	30	0913	0914	0927	S19	E48	9178	10	4.0	14	SF	2	P	0922	64		EL
0354	SVTO	30	0957E	1006U	1012D	S24	E50	9178	10	4.3	15D	SF	2	E		40		F
0355	KHAR	30	0958	1000	1020	S17	E47	9178	10	4.0	22	1N	2	P				EO
0356	KHAR	30	1023	1025	1032	S04	E33	9176	10	2.9	9	SN	2	V				DL
0357		30	1055*	1056*	1112	S12	E10	9173	10	1.2	17	SF						DL
	KHAR	30	1055	1056	1110	S12	E11	9173	10	1.3	15	SF	2	V				LD
	KHAR	30	1111	1112	1115	S11	E09	9173	10	1.1	4	SF	2	V				D

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H α SOLAR FLARES

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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	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0358	KHAR	30	1133		1140D	S17	E47	9178	10	4.0	7D	SF		2	V					ET
0359	RAMY	30	1300	1302	1307	S24	E42	9178	10	3.8	7	SF		3	E		25			
		30	1311		1316	No Flare Patrol														
0360		30	1544	1548	1554	S07	E32	9176	10	3.0	10	SF					30			F
	HOLL	30	1544	1548	1556	S05	E33	9176	10	3.1	12	SF		4	E		40			F
	RAMY	30	1545	1550	1552	S09	E31	9176	10	3.0	7	SF		3	E		20			F
0361	HOLL	30	1623	1625	1627	S20	E43	9178	10	4.0	4	SF		4	E		21			
0362	HOLL	30	1624	1625	1644	S08	E39	9176	10	3.6	20	SF		4	E		50			H
0363	HOLL	30	1740	1742	1745	S20	E42	9178	10	3.9	5	SF		4	E		18			FH
0364	HOLL	30	1758	1800	1805	S20	E40	9178	10	3.8	7	SF		3	E		29			
0365	HOLL	30	1800	1801	1805	S12	E07	9173	10	1.3	5	SF		3	E		12			
0366	HOLL	30	1811	1814	1818	S20	E41	9178	10	3.9	7	SF		3	E		14			F
0367	HOLL	30	1931	1941	2013	S20	E41	9178	10	3.9	42	SF		3	E		53			
0368	HOLL	30	1950	1950	1955	N10	W90	9169	09	24.1	5	SF		3	E		54			
0369	HOLL	30	2048	2049	2054	S19	E38	9178	10	3.8	6	SF		3	E		26			
0370	HOLL	30	2103	2107	2115	S20	E39	9178	10	3.9	12	SF		3	E		55			F
0371	HOLL	30	2120	2120	2124	S22	E40	9178	10	4.0	4	SF		3	E		11			F
0372	HOLL	30	2324	2326	2329	N07	W91	9169	09	24.1	5	SF		3	E		49			

"Remarks"

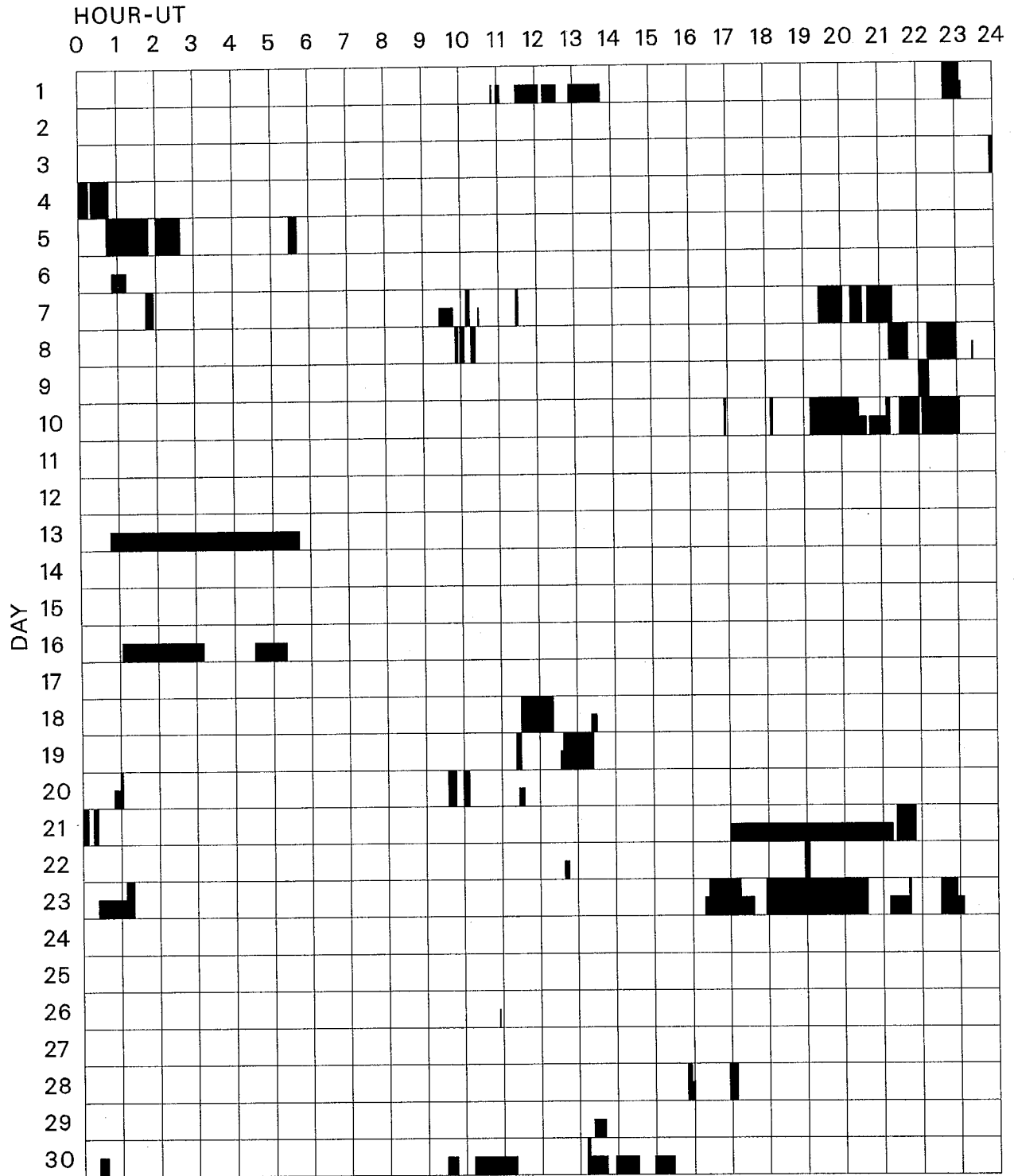
- | | |
|---|---|
| <p>A = Eruptive prominence whose base is less than 90 degrees from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in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

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

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

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Sep 00

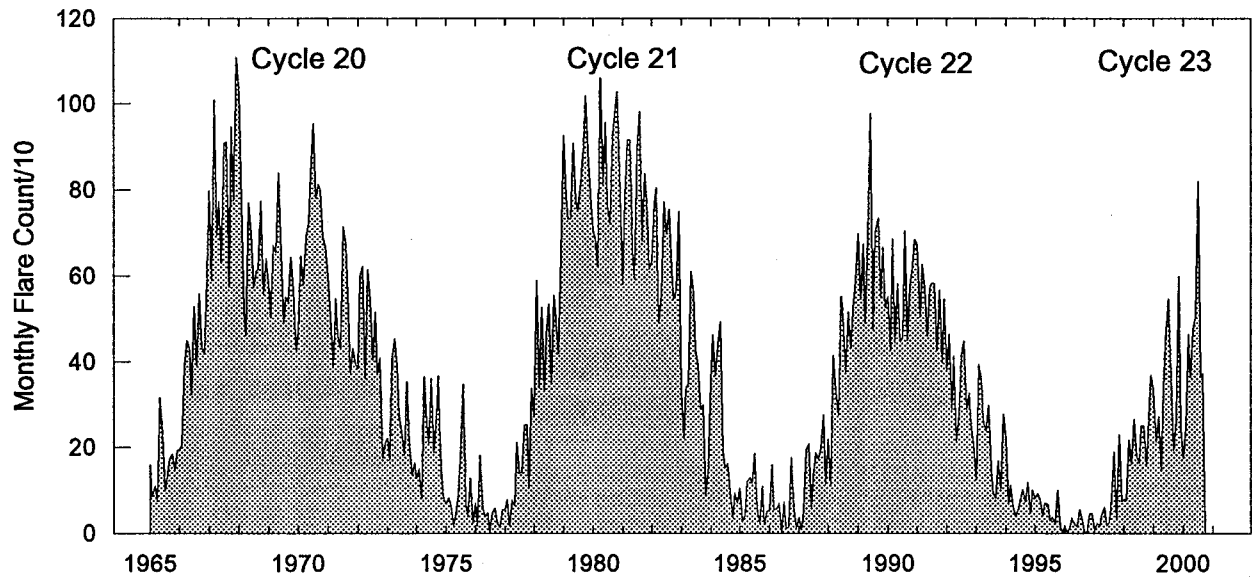
SEPTEMBER 2000



Times of no flare patrol, shown here as shades 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 or cinematographic): portions of a panel with only the bottom half shaded mark times of only visual patrol.

Holloman	Urumqi	Learmonth	Ramey	San Vito
Mitaka	Kharkov	Kanzelhoehe		

Monthly Counts of Grouped Solar Flares Jan 1965 - Sep 2000



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	158	85	110	74	315	231	99	127	173	184	150	193	1899
1966	194	205	390	449	429	323	528	391	558	432	417	543	4859
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	518	587	4816
1989	695	544	672	488	691	977	474	699	733	547	665	526	7711
1990	550	424	684	442	580	445	454	703	449	574	623	682	6610
1991	672	503	625	570	458	574	582	581	425	565	396	544	6495
1992	380	462	287	412	214	271	413	447	287	325	248	206	3952
1993	123	392	357	262	237	296	154	92	82	167	104	275	2541
1994	217	67	111	60	40	56	81	101	72	117	45	99	1066
1995	82	95	77	42	69	66	29	37	23	99	14	6	639
1996	14	3	15	34	21	16	54	31	3	0	44	45	280
1997	8	22	18	43	59	18	26	75	188	31	228	74	790
1998	78	76	216	161	264	177	164	248	249	155	268	367	2423
1999	330	212	271	145	330	466	544	368	192	264	598	243	3963
2000	175	248	462	362	473	505	818	364	372				3779

The term 'grouped' means observations of the same event by different sites were lumped together and counted as one.

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

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SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
01	127	TORN	44 NS	0620.0E		520.0D		14.0		V=1
	280	CUBA	44 NS	1300.0E		450.0D		18.0		
	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	245	LEAR	8 S	0106.0	0106.0		U	120.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0108.0	0108.0	2.0		98.0		QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0118.0	0118.0	3.0		91.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0129.0	0129.0		U	100.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0233.0	0234.0	1.0		71.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0411.0	0413.0	2.0		79.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0423.0	0424.0	2.0		68.0		QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0540.0	0543.0	4.0		43.0		QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0540.0	0541.0	5.0		86.0		QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0541.0	0542.0	2.0		48.0		QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0541.0	0542.0	1.0		45.0		QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0541.0	0543.0	3.0		39.0		QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0541.0	0541.0	4.0		100.0		QL=4 ST=2 TYP=3
	245	LEAR	8 S	0608.0	0608.0		U	100.0		QL=4 ST=2 TYP=3
	245	SVTO	8 S	0608.0	0608.0		U	72.0		QL=4 ST=2 TYP=3
	127	TORN	4 S/F	0828.6	0829.9	2.2		90.0	30.0	
	204	IZMI	41 F	0839.2	0839.4	1.9		19.0		
	245	SVTO	8 S	1010.0	1010.0		U	79.0		QL=4 ST=2 TYP=3
	204	IZMI	41 F	1150.8	1151.5	0.9		28.0		
	245	SGMR	8 S	1217.0	1218.0	1.0		160.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1534.0	1534.0		U	85.0		QL=4 ST=2 TYP=3
	245	SVTO	8 S	1534.0	1534.0	1.0		74.0		QL=4 ST=2 TYP=3
	2800	PENT	8 S	1756.0	1814.0	96.0U		75.0		
	280	CUBA	7 C	1808.9	1814.3	10.9		19.0		
	235	CUBA	7 C	1808.9	1814.3	10.9		4.0		
	6700	CUBA	21 GRF	1809.0	1820.0	40.0		18.0	9.0	4R
	1415	PALE	8 S	1814.0	1815.0	1.0		37.0		QL=4 ST=2 TYP=3
	410	PALE	8 S	1814.0	1815.0	1.0		28.0		QL=4 ST=2 TYP=3
	2695	PALE	8 S	1814.0	1814.0	1.0		130.0		QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1814.0	1815.0	9.0		31.0		QL=4 ST=2 TYP=3
2695	SGMR	4 S/F	1814.0	1814.0	7.0		110.0		QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	1814.0	1816.0	9.0		65.0		QL=4 ST=2 TYP=3	
6700	CUBA	1 S	1814.0	1814.8	2.6		9.0	4.0	OOL	
610	PALE	4 S/F	1815.0	1817.0	3.0		50.0		QL=4 ST=2 TYP=3	
8800	SGMR	4 S/F	1815.0	1821.0	8.0		20.0		QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1815.0	1817.0	8.0		42.0		QL=4 ST=2 TYP=3	
4995	SGMR	46 C	1815.0	1820.0	8.0		25.0		QL=4 ST=2 TYP=8	
410	SGMR	4 S/F	1815.0	1815.0	8.0		33.0		QL=4 ST=2 TYP=3	
6700	CUBA	20 GRF	1922.0	2026.0	142.0		11.0	5.0	OOL	
02	127	TORN	44 NS	0620.0E		520.0D		8.0		V=1
	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	280	CUBA	44 NS	1300.0E		530.0D		17.0		
	245	SVTO	49 GB	0453.0	0453.0	1.0		810.0		QL=4 ST=3 TYP=6
	410	SVTO	8 S	0453.0	0453.0	1.0		35.0		QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0453.0	0453.0	1.0		810.0		QL=4 ST=2 TYP=6
	410	SVTO	8 S	0453.0	0453.0	1.0		35.0		QL=4 ST=3 TYP=3
	410	SVTO	8 S	0545.0	0545.0	1.0		99.0		QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0545.0	0545.0	1.0		660.0		QL=4 ST=2 TYP=6
	200	HIRA	8 S	0608.0	0609.0	2.0		30.0		SL
	245	SVTO	8 S	0617.0	0617.0		U	300.0		QL=4 ST=2 TYP=3
	204	IZMI	41 F	0629.0	0629.6	1.2		26.0		
	204	IZMI	7 C	0638.3	0638.3	0.1		29.0		
	410	SVTO	8 S	0726.0	0727.0	1.0		39.0		QL=4 ST=2 TYP=3
	245	SVTO	8 S	0726.0	0727.0	1.0		310.0		QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0736.0	0738.0	7.0		100.0		0
	200	HIRA	47 GB	0802.0	0809.0	10.0		1050.0		WR
	127	TORN	45 C	0831.6	0832.6	2.5		40.0	10.0	
	245	SVTO	8 S	0853.0	0853.0		U	53.0		QL=4 ST=2 TYP=3
	410	SVTO	8 S	0853.0	0853.0		U	140.0		QL=4 ST=2 TYP=3
	127	TORN	47 GB	0933.7	0941.6	8.3		3400.0	500.0	
	33	UPIC	46 C	0937.5	0938.0	6.0				
	204	IZMI	46 C	0937.6	0942.0	4.9		328.0		
245	LEAR	49 GB	0939.0	0942.0	3.0		800.0		QL=4 ST=2 TYP=6	
245	SVTO	49 GB	0939.0	0942.0	4.0		920.0		QL=4 ST=2 TYP=6	
204	IZMI	45 C	0942.6	0943.2	1.1		130.0			

S O L A R R A D I O E M I S S I O N
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SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
02	204	IZMI	42 SER	1005.8	1006.9	1.9	25.0			
	204	IZMI	45 C	1118.8	1119.4	0.8	158.0			
	33	UPIC	46 C	1132.0	1133.5	6.0				
	204	IZMI	42 SER	1137.7	1137.9	0.4	70.0			
	245	SVTO	48 C	1412.0	1419.0	1439.0	220.0			QL=4 ST=2 TYP=8 UNCERTN
	33	UPIC	46 C	1431.0	1433.0	8.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1550.0	1550.0	U	81.0			
03	245	LEAR	43 NS	0033.0	0033.0	1.0	57.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0242.0	0254.0	26.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0242.0	0254.0	1278.0	130.0			QL=4 ST=1 TYP=1
	127	TORN	44 NS	0620.0E		460.0D		7.0		V=1
	235	CUBA	44 NS	1300.0E		460.0D		6.0		
	280	CUBA	44 NS	1300.0E		460.0D		16.0		
	245	LEAR	8 S	0033.0	0033.0	1.0	57.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0254.0	0254.0	U	120.0			QL=4 ST=2 TYP=3
	6700	CUBA	23 GRF	1358.0E	1358.0	59.0D	7.0	3.0		00L
04	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	280	CUBA	44 NS	1300.0E		530.0D		16.0		
	3000	IZMI	1 S	0630.0	0630.0	0.1	15.0	6.0		
	410	SVTO	8 S	0950.0	0950.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0950.0	0952.0	2.0	39.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0955.0	0956.0	2.0	52.0			QL=4 ST=2 TYP=3
	3000	IZMI	5 S	1059.1	1059.3	0.5	14.0	6.0		
	3000	IZMI	1 S	1143.2	1143.4	0.4	6.0	4.0		
	245	SVTO	8 S	1147.0	1147.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1308.0	1308.0	2.0	110.0			QL=4 ST=2 TYP=3
	2800	PENT	41 F	1745.0	1749.0	7.0	17.0			
	410	PALE	4 S/F	1747.0	1750.0	8.0	82.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1749.0	1749.0	1.0	71.0			QL=4 ST=2 TYP=3
	6700	CUBA	23 GRF	1837.0	1843.0	21.0	8.0	4.0		00L
	6700	CUBA	2 S/F	1950.6	1952.4	5.5	7.0	3.0		22L
6700	CUBA	20 GRF	2035.0	2126.0	84.0	13.0	6.0		00L	
200	HIRA	8 S	2339.0	2339.0	1.0	40.0			0	
245	LEAR	8 S	2351.0	2352.0	1.0	100.0			QL=4 ST=2 TYP=3	
05	127	TORN	44 NS	0620.0E		340.0D		3.0		V=0
	280	CUBA	44 NS	1300.0E		480.0D		18.0		
	235	CUBA	44 NS	1300.0E		480.0D		7.0		
	2800	PENT	8 S	0000.0	0006.0	55.0U	96.0			
	5730	IRKU	46 C	0003.7	0006.4	7.3	130.0		U	
	2840	PEKG	5 S	0004.0	0006.8	7.0	164.1			
	2800	HIRA	4 S/F	0005.0	0006.0	6.0	110.0			WR
	8800	LEAR	4 S/F	0005.0	0006.0	5.0	71.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0005.0	0006.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0005.0	0006.0	2.0	100.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0006.0	0006.0	1.0	39.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0158.0	0202.2	7.0	20.3			
	2840	PEKG	5 S	0218.0	0221.6	9.0	27.1			
	2840	PEKG	5 S	0339.0	0341.6	6.0	10.4			
	500	HIRA	7 C	0357.0	0418.0	21.0	330.0			0
	200	HIRA	8 S	0358.0	0359.0	2.0	30.0			0
	610	LEAR	4 S/F	0358.0	0402.0	6.0	160.0			QL=4 ST=2 TYP=3
	610	PALE	4 S/F	0358.0	0403.0	7.0	140.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	0358.0	0402.0	18.0	740.0			QL=4 ST=2 TYP=6
	245	LEAR	8 S	0731.0	0731.0	U	110.0			QL=4 ST=2 TYP=3
204	IZMI	42 SER	1105.8	1107.5	1.8	23.0				
245	SGMR	8 S	1213.0	1213.0	2.0	190.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1213.0	1213.0	1.0	170.0			QL=4 ST=2 TYP=3	
245	PALE	4 S/F	2014.0	2014.0	8.0	95.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	2014.0	2014.0	U	73.0			QL=4 ST=2 TYP=3	
06	280	CUBA	44 NS	1300.0E		530.0D		34.0		
	235	CUBA	44 NS	1300.0E		530.0D		18.0		
	200	HIRA	8 S	0119.0	0119.0	1.0	150.0			0
	2840	PEKG	1 S	0134.0	0136.3	4.0	9.5			
	500	HIRA	8 S	0549.0	0550.0	1.0	20.0			WL
	245	SVTO	8 S	0549.0	0549.0	U	76.0			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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
06	204	IZMI	42 SER	1054.0U	1113.1	31.9U	54.0			
	204	IZMI	41 F	1139.2	1139.4	0.5	60.0			
	2800	PENT	24 R	1453.0	1611.0	99.0U	5.0			
	245	PALE	8 S	1741.0	1741.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1741.0	1741.0	U	88.0			QL=4 ST=2 TYP=3
07	235	CUBA	44 NS	1300.0E		530.0D		10.0		
	280	CUBA	44 NS	1300.0E		530.0D		20.0		
	2840	PEKG	45 C	0216.0	0219.1	8.0	44.5			
	200	HIRA	42 SER	0442.0	0443.0	18.0	70.0			0
	500	HIRA	42 SER	0443.0	0452.0	16.0	50.0			0
	204	IZMI	42 SER	0634.3	0635.7	3.8	20.0			
	410	SVTO	4 S/F	1004.0	1006.0	3.0	70.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1013.0	1013.0	U	52.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1054.4	1059.0	65.6D	18.0	8.0		
	2800	PENT	20 GRF	1838.0	1854.0	37.0	3.0			
	6700	CUBA	1 S	1959.6	1959.8	0.4	23.0	11.0		7L
	2800	PENT	40 F	2030.0	2036.0	122.0U	33.0			
	6700	CUBA	22 GRF	2034.0	2037.0	86.0D	21.0	10.0		16L
	9500	CUBA	22 GRF	2034.0	2049.0	86.0	14.0	7.0		
245	SGMR	4 S/F	2035.0	2036.0	3.0	58.0			QL=4 ST=2 TYP=3	
1415	SGMR	8 S	2057.0	2057.0	U	80.0			QL=4 ST=2 TYP=3	
200	HIRA	8 S	2255.0	2256.0	1.0	60.0			MR	
08	204	IZMI	43 NS	0600.0		149.0U		5.0		
	245	LEAR	8 S	0134.0	0134.0	U	66.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0311.0	0312.0	4.0	69.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	0920.5	0920.6	0.6	20.0			
	410	SVTO	4 S/F	1015.0	1018.0	3.0	180.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	1015.3	1015.4	0.3	35.0			
	245	SVTO	8 S	1100.0	1100.0	2.0	76.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	1111.3	1111.7	0.5	143.0			
	204	IZMI	7 C	1129.9	1130.1	0.3	28.0			
09	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	280	CUBA	44 NS	1300.0E		530.0D		16.0		
	245	LEAR	8 S	0041.0	0042.0	1.0	130.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0042.0	0042.0	1.0	120.0			0
	245	PALE	8 S	0042.0	0042.0	U	150.0			QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0327.0	0327.0	2.0	80.0			0
	410	SVTO	8 S	0550.0	0550.0	1.0	56.0			QL=4 ST=2 TYP=3
	1415	SVTO	48 C	0830.0	0834.0	5.0	89.0			QL=4 ST=2 TYP=8
	2840	PEKG	3 S	0830.0	0844.4	21.0	35.6			
	3000	IZMI	45 C	0830.9	0844.0	15.3	34.0	14.5		
	1415	LEAR	48 C	0831.0	0834.0	4.0	83.0			QL=4 ST=2 TYP=8
	610	SVTO	4 S/F	0831.0	0835.0	6.0	90.0			QL=4 ST=2 TYP=3
	1415	LEAR	48 C	0831.0	0834.0	929.0	83.0			QL=4 ST=1 TYP=8
	610	LEAR	4 S/F	0832.0	0835.0	5.0	59.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0832.0	0835.0	928.0	59.0			QL=4 ST=1 TYP=3
	204	IZMI	46 C	0832.0	0837.9	17.0	10826.0			
	410	LEAR	8 S	0833.0	0834.0	1.0	30.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0833.0	0834.0	1.0	29.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0833.0	0834.0	927.0	30.0			QL=4 ST=1 TYP=3
245	LEAR	49 GB	0835.0	0836.0	1.0	520.0			QL=4 ST=2 TYP=6	
245	SVTO	49 GB	0835.0	0836.0	7.0	530.0			QL=4 ST=2 TYP=6	
245	LEAR	49 GB	0835.0	0836.0	925.0	520.0			QL=4 ST=1 TYP=6	
10	127	TORN	44 NS	0620.0E		490.0D		2.0		V=1, DISTURBED
	127	TORN	27 RF	1341.0	1346.0	11.0	40.0	20.0		
	500	HIRA	8 S	2248.0	2248.0	1.0	70.0			0
11	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	280	CUBA	44 NS	1300.0E		530.0D		15.0		
	245	LEAR	8 S	0313.0	0313.0	U	230.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0313.0	0313.0	U	250.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0533.0	0533.0	1.0	40.0			0
	3000	IZMI	22 GRF	0702.9	0707.6	12.3	16.0	6.0		
	200	HIRA	8 S	0724.0	0725.0	1.0	30.0			
	33	UPIC	46 C	0950.0	0951.0	6.5				

S O L A R R A D I O E M I S S I O N
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SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
12	2840	PEKG	5 S	0536.0	0538.7	5.0	19.8			
	410	SVTO	8 S	0611.0	0612.0	1.0	55.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1122.8	1129.2	93.0D	56.0	34.0		
	204	IZMI	46 C	1126.5	1141.6	83.0D	64.0			
	245	SVTO	8 S	1128.0	1129.0	1.0	84.0			QL=4 ST=2 TYP=3
	410	SVTO	48 C	1130.0	1133.0	7.0	61.0			QL=4 ST=2 TYP=8
	245	SVTO	8 S	1139.0	1140.0	1.0	61.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	1144.0	1149.5	14.5				
	4995	SVTO	20 GRF	1147.0	1222.0	733.0	48.0			QL=4 ST=1 TYP=2
	8800	SVTO	20 GRF	1148.0	1222.0	732.0	45.0			QL=4 ST=1 TYP=2
	15400	SVTO	20 GRF	1148.0	1215.0	732.0	46.0			QL=4 ST=1 TYP=2
	2695	SVTO	20 GRF	1149.0	1222.0	731.0	40.0			QL=4 ST=1 TYP=2
	15400	SVTO	20 GRF	1152.0	1215.0	77.0	46.0			QL=4 ST=2 TYP=2
	15400	SVTO	20 GRF	1152.0	1215.0	728.0	46.0			QL=4 ST=1 TYP=2
	8800	SVTO	20 GRF	1154.0	1222.0	93.0	45.0			QL=4 ST=2 TYP=2
	4995	SVTO	20 GRF	1154.0	1222.0	107.0	48.0			QL=4 ST=2 TYP=2
	4995	SVTO	20 GRF	1154.0	1222.0	726.0	48.0			QL=4 ST=1 TYP=2
	8800	SVTO	20 GRF	1154.0	1222.0	726.0	45.0			QL=4 ST=1 TYP=2
	2695	SVTO	20 GRF	1158.0	1222.0	89.0	40.0			QL=4 ST=2 TYP=2
	2695	SVTO	20 GRF	1158.0	1222.0	722.0	40.0			QL=4 ST=1 TYP=2
	33	UPIC	46 C	1207.0	1209.0	7.0				
	410	SVTO	8 S	1208.0	1208.0	U	100.0			QL=4 ST=2 TYP=3
	4995	SGMR	20 GRF	1210.0	1257.0	95.0	63.0			QL=4 ST=2 TYP=2
	2695	SGMR	20 GRF	1210.0	1325.0	95.0	54.0			QL=4 ST=2 TYP=2
	2695	SGMR	20 GRF	1210.0	1231.0	710.0	47.0			QL=4 ST=1 TYP=2
	2695	SGMR	20 GRF	1210.0	1257.0	710.0	52.0			QL=4 ST=1 TYP=2
	4995	SGMR	20 GRF	1210.0	1257.0	710.0	63.0			QL=4 ST=1 TYP=2
	4995	SGMR	46 C	1210.0	1220.0	710.0	45.0			QL=4 ST=1 TYP=8
410	SVTO	48 C	1215.0	1215.0	5.0	290.0			QL=4 ST=2 TYP=8	
410	SVTO	48 C	1228.0	1230.0	4.0	69.0			QL=4 ST=2 TYP=8	
410	SVTO	8 S	1300.0	1300.0	2.0	96.0			QL=4 ST=2 TYP=3	
13	127	TORN	44 NS	1250.0E		130.0D		1.0		V=1
	280	CUBA	44 NS	1300.0E		530.0D		15.0		
	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	410	SVTO	8 S	0655.0	0655.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0655.0	0655.0	1.0	140.0			QL=4 ST=2 TYP=3
	33	UPIC	45 C	0846.0	0846.5	1.5				
	245	SGMR	8 S	2209.0	2209.0	U	65.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2235.0	2236.0	1.0	70.0			0
	245	LEAR	8 S	2235.0	2235.0	U	150.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	2235.0	2235.0	U	150.0			QL=4 ST=2 TYP=3
14	410	LEAR	43 NS	0100.0	0106.0	1380.0	66.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	0118.0	0118.0	1362.0	74.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	0515.0	0810.0	285.0	230.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0515.0	0530.0	1125.0	70.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0541.0	1618.0	658.0	690.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0541.0	0544.0	1099.0	70.0			QL=4 ST=1 TYP=1
	204	IZMI	43 NS	0600.0		360.0D		40.0		
	127	TORN	44 NS	0620.0E		520.0D		70.0		V=3
	33	UPIC	43 NS	0812.0	1055.5	462.5				
	245	SGMR	43 NS	1043.0	1634.0	676.0	460.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1043.0	1214.0	797.0	210.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1043.0	1057.0	797.0	50.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1043.0	1109.0	797.0	120.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1043.0	1634.0	797.0	460.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1043.0	1426.0	797.0	380.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1043.0	1214.0	797.0	210.0			QL=4 ST=1 TYP=1
	235	CUBA	44 NS	1300.0E		530.0D		53.0		
	280	CUBA	44 NS	1300.0E		530.0D		55.0		
	410	SGMR	43 NS	1347.0	1425.0	56.0	130.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1347.0	1357.0	613.0	50.0			QL=4 ST=1 TYP=1
	410	SGMR	43 NS	1347.0	1425.0	613.0	130.0			QL=4 ST=1 TYP=1
	410	SVTO	43 NS	1411.0	1418.0	148.0	180.0			QL=4 ST=2 TYP=1
	410	SVTO	43 NS	1411.0	1418.0	589.0	180.0			QL=2 ST=1 TYP=1
	410	SGMR	43 NS	1540.0	1540.0	6.0	78.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1540.0	1540.0	500.0	78.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1635.0	2007.0	445.0	370.0			QL=4 ST=1 TYP=1

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

25
Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
14	245	PALE	43 NS	1635.0	1635.0	445.0	300.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1635.0	0000.0	445.0	300.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1635.0	1635.0	445.0	300.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	1918.0	2129.0	201.0	110.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	1918.0	1931.0	282.0	54.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	1918.0	1937.0	282.0	58.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	1918.0	1937.0	282.0	58.0			QL=4 ST=1 TYP=1
	410	SGMR	43 NS	2123.0	2129.0	36.0	68.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	2123.0	2129.0	157.0	68.0			QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2237.0E	0128.0	683.0D	430.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2237.0	0044.0U	83.0	400.0			QL=4 ST=1 TYP=1
	410	LEAR	4 S/F	0043.0	0044.0	8.0	76.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0043.0	0044.0	2.0	120.0			QL=4 ST=2 TYP=3
	245	PALE	4 S/F	0247.0	0249.0	3.0	71.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0248.0	0249.0	2.0	84.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0308.0	0309.0	2.0	81.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	0309.0	0309.0	1.0	60.0			0
	245	PALE	8 S	0309.0	0309.0		74.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0454.0	0454.0	2.0	61.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0501.0	0506.0	13.0	73.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0506.0	0507.0	2.0	70.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0506.0	0506.0	1.0	82.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0506.0	0507.0	8.0	61.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0506.0	0507.0	1134.0	70.0			QL=4 ST=1 TYP=3
	410	LEAR	4 S/F	0506.0	0506.0	1134.0	82.0			QL=4 ST=1 TYP=3
	200	HIRA	8 S	0507.0	0508.0	2.0	220.0			WL
	245	SVTO	4 S/F	0514.0	0516.0	9.0	72.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0517.0	0517.0	6.0	26.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0529.0	0530.0	2.0	56.0			QL=4 ST=2 TYP=3
	5730	IRKU	4 S/F	0559.3	0603.0	12.7	22.0			U
	610	LEAR	8 S	0638.0	0638.0		120.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0713.0	0718.0	5.0	650.0			QL=4 ST=2 TYP=6
	610	LEAR	8 S	0729.0	0729.0		110.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0809.0	0813.0	5.0	350.0			QL=4 ST=2 TYP=3
	204	IZMI	25 R	0811.9	0813.4	4.6	593.0			
	127	TORN	46 C	1052.8	1054.6	5.1	1700.0	140.0		
	3000	IZMI	7 C	1054.1	1054.4	0.6	31.0	6.0		
	2800	PENT	46 C	1442.0	1444.0	17.0	131.0			
	610	SGMR	48 C	1443.0	1451.0	9.0	940.0			QL=4 ST=2 TYP=8
	2695	SGMR	4 S/F	1443.0	1444.0	9.0	94.0			QL=4 ST=2 TYP=3
	410	SGMR	48 C	1443.0	1449.0	9.0	610.0			QL=2 ST=2 TYP=8
	245	SVTO	8 S	1443.0	1443.0	1.0	280.0			QL=4 ST=2 TYP=3
1415	SVTO	4 S/F	1443.0	1447.0	9.0	230.0			QL=4 ST=2 TYP=3	
610	SVTO	48 C	1443.0	1451.0	9.0	810.0			QL=4 ST=2 TYP=8	
410	SVTO	48 C	1443.0	1449.0	8.0	360.0			QL=4 ST=2 TYP=8	
1415	SGMR	4 S/F	1443.0	1447.0	10.0	190.0			QL=4 ST=2 TYP=3	
2695	SVTO	20 GRF	1443.0	1444.0	10.0	120.0			QL=4 ST=2 TYP=2	
9500	CUBA	21 GRF	1443.0	1455.0	31.0	14.0	7.0			
6700	CUBA	21 GRF	1443.0	1536.0	437.0D	18.0	9.0			
410	SGMR	4 S/F	1443.0	1444.0	557.0	410.0			8R	
1415	SGMR	4 S/F	1443.0	1447.0	557.0	190.0			QL=4 ST=1 TYP=3	
610	SGMR	4 S/F	1443.0	1443.0	557.0	87.0			QL=4 ST=1 TYP=3	
2695	SGMR	4 S/F	1443.0	1444.0	557.0	94.0			QL=4 ST=1 TYP=3	
6700	CUBA	2 S/F	1447.0	1451.6	9.0	30.0	15.0			
4995	SVTO	4 S/F	1449.0	1451.0	3.0	40.0			53R	
9500	CUBA	2 S/F	1449.0	1451.6	5.6	17.0	8.0			
8800	SVTO	8 S	1451.0	1451.0		27.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1618.0	1618.0		850.0			QL=2 ST=2 TYP=6	
2800	PENT	24 R	1922.0	1927.0	10.0U	3.0				
410	SGMR	8 S	2048.0	2048.0		62.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	2100.0	2100.0		60.0			QL=4 ST=2 TYP=3	
15	410	LEAR	43 NS	0100.0	0106.0	58.0	66.0			QL=4 ST=2 TYP=1
	410	LEAR	43 NS	0100.0	0152.0	58.0	140.0			QL=4 ST=3 TYP=1
	245	SVTO	43 NS	0539.0	1612.0	658.0	790.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0539.0	0539.0U	1101.0	130.0			QL=2 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		1000.0		
	410	SVTO	43 NS	0608.0	1203.0	629.0	750.0			QL=4 ST=2 TYP=1
	410	SVTO	43 NS	0608.0	0608.0	1072.0	60.0			QL=2 ST=1 TYP=1

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
15	127	TORN	44 NS	0620.0E		520.0D		70.0		V=1
	33	UPIC	43 NS	0722.0		490.0				
	245	SGMR	43 NS	1122.0	1719.0	661.0	1100.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1122.0	1126.0U	758.0	540.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1122.0	1719.0U	758.0	1100.0			QL=4 ST=1 TYP=1
	245	SGMR	44 NS	1122.0E	1529.0U	758.0D	780.0			QL=4 ST=1 TYP=1
	280	CUBA	44 NS	1300.0E		530.0D		177.0		
	235	CUBA	44 NS	1300.0E		530.0D		185.0		
	410	SGMR	43 NS	1526.0	2102.0	350.0	400.0			QL=4 ST=2 TYP=1
	410	SGMR	44 NS	1526.0E	1530.0U	514.0D	75.0			QL=4 ST=1 TYP=1
	410	SGMR	43 NS	1526.0	2102.0U	514.0	400.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	1636.0	0000.0	444.0	63.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1636.0	0000.0	444.0	210.0			QL=4 ST=1 TYP=1
	410	LEAR	44 NS	2236.0E	0007.0	685.0D	270.0			QL=4 ST=2 TYP=1
	245	LEAR	44 NS	2236.0E	0134.0	685.0D	560.0			QL=4 ST=2 TYP=1
	410	LEAR	44 NS	2236.0E	2248.0U	84.0D	85.0			QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2236.0E	0024.0U	84.0D	430.0			QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2236.0E	2239.0U	84.0D	360.0			QL=4 ST=1 TYP=1
	410	LEAR	44 NS	2236.0E	2252.0U	84.0D	130.0			QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2236.0E	0050.0U	84.0D	480.0			QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2236.0E	0006.0U	84.0D	400.0			QL=4 ST=1 TYP=1
	410	LEAR	44 NS	2236.0E	0007.0U	84.0D	270.0			QL=4 ST=1 TYP=1
	410	LEAR	44 NS	2236.0E	0007.0U	84.0D	270.0			QL=4 ST=1 TYP=1
	245	LEAR	49 GB	0008.0	0011.0	6.0	700.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0008.0	0011.0	6.0	700.0			QL=4 ST=3 TYP=6
	5730	IRKU	1 S	0043.0	0044.0	2.0	12.0		U	
	2840	PEKG	5 S	0141.0	0143.9	5.0	53.8			
	500	HIRA	42 SER	0142.0	0143.0	8.0	40.0			0
	1415	LEAR	8 S	0142.0	0143.0	2.0	47.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0142.0	0143.0	2.0	64.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0142.0	0142.0	1.0	56.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0142.0	0143.0	1.0	59.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0143.0	0143.0	1.0	70.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0143.0	0143.0	1.0	47.0			QL=4 ST=2 TYP=3
	2800	HIRA	42 SER	0143.0	0144.0	12.0	50.0			MR
	2840	PEKG	5 S	0146.0	0148.2	4.0	26.9			
	1415	LEAR	4 S/F	0147.0	0152.0	7.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0147.0	0147.0	1.0	84.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0147.0	0148.0	2.0	76.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0147.0	0147.0	1.0	44.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0147.0	0148.0	2.0	53.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0151.0	0153.6	5.0	13.4			
	410	LEAR	4 S/F	0449.0	0450.0	4.0	80.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0449.0	0450.0	4.0	80.0			QL=4 ST=3 TYP=3
	245	LEAR	8 S	0452.0	0452.0	1.0	280.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0457.0	0500.1	5.0	26.2			
	1415	LEAR	8 S	0459.0	0459.0	1.0	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0459.0	0459.0	1.0	42.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0459.0	0459.0	1141.0	41.0			QL=4 ST=1 TYP=3
	2695	LEAR	4 S/F	0459.0	0459.0	1141.0	42.0			QL=4 ST=1 TYP=3
1415	SVTO	4 S/F	0505.0	0507.0	8.0	120.0			QL=4 ST=2 TYP=3	
1415	LEAR	4 S/F	0506.0	0507.0	8.0	180.0			QL=4 ST=2 TYP=3	
4995	LEAR	8 S	0512.0	0513.0	1.0	25.0			QL=4 ST=2 TYP=3	
2840	PEKG	20 GRF	0517.0	0523.0	13.0	31.8				
4995	LEAR	20 GRF	0518.0	0523.0	17.0	48.0			QL=4 ST=2 TYP=2	
2695	LEAR	20 GRF	0519.0	0523.0	6.0	45.0			QL=4 ST=2 TYP=2	
8800	LEAR	20 GRF	0519.0	0530.0	16.0	39.0			QL=4 ST=2 TYP=2	
1415	LEAR	20 GRF	0520.0	0523.0	4.0	36.0			QL=4 ST=2 TYP=2	
15400	LEAR	20 GRF	0527.0	0527.0	U	24.0			QL=4 ST=2 TYP=2	
410	LEAR	8 S	0538.0	0538.0	U	75.0			QL=4 ST=2 TYP=3	
500	HIRA	47 GB	0551.0	0558.0	14.0	820.0			SR	
200	HIRA	42 SER	0551.0	0552.0	13.0	70.0			WL	
2840	PEKG	3 S	0554.0	0559.1	10.0	37.5				
3000	IZMI	22 GRF	0555.1	0559.2	8.1	42.0		9.0		
204	IZMI	45 C	0555.5	0558.8	7.2	1345.0				
610	LEAR	49 GB	0556.0	0557.0	4.0	3200.0			QL=4 ST=3 TYP=6	
410	LEAR	49 GB	0556.0	0558.0	8.0	770.0			QL=4 ST=2 TYP=6	
410	LEAR	49 GB	0556.0	0558.0	9.0	770.0			QL=4 ST=3 TYP=6	
245	LEAR	48 C	0556.0	0557.0	3.0	470.0			QL=4 ST=3 TYP=8	

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

27
Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
15	245	LEAR	4 S/F	0556.0	0557.0	3.0	470.0			QL=4 ST=2 TYP=3
	610	LEAR	49 GB	0556.0	0557.0	4.0	3200.0			QL=4 ST=2 TYP=6
	410	SVTO	49 GB	0556.0	0558.0	5.0	810.0			QL=4 ST=2 TYP=6
	245	SVTO	4 S/F	0556.0	0557.0	4.0	470.0			QL=4 ST=2 TYP=3
	610	SVTO	49 GB	0556.0	0558.0	4.0	4100.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0556.0	0558.0	1084.0	770.0			QL=4 ST=1 TYP=6
	245	LEAR	4 S/F	0556.0	0557.0	1084.0	470.0			QL=4 ST=1 TYP=3
	610	LEAR	49 GB	0556.0	0557.0	1084.0	3200.0			QL=4 ST=1 TYP=6
	245	SVTO	4 S/F	0556.0	0557.0	1084.0	470.0			QL=4 ST=1 TYP=3
	610	SVTO	49 GB	0556.0	0558.0	1084.0	4100.0			QL=4 ST=1 TYP=6
	410	SVTO	49 GB	0556.0	0558.0	1084.0	810.0			QL=4 ST=1 TYP=6
	1415	LEAR	4 S/F	0557.0	0558.0	3.0	140.0			QL=4 ST=3 TYP=3
	1415	LEAR	4 S/F	0557.0	0558.0	3.0	140.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0557.0	0558.0	2.0	140.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0557.0	0558.0	1083.0	140.0			QL=4 ST=1 TYP=3
	1415	SVTO	4 S/F	0557.0	0558.0	1083.0	140.0			QL=4 ST=1 TYP=3
	2695	LEAR	8 S	0558.0	0558.0	2.0	37.0			QL=4 ST=3 TYP=3
	2695	LEAR	8 S	0558.0	0558.0	2.0	37.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0558.0	0559.0	2.0	46.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0558.0	0558.0	1082.0	37.0			QL=4 ST=1 TYP=3
	4995	SVTO	4 S/F	0558.0	0559.0	1082.0	46.0			QL=4 ST=1 TYP=3
	4995	LEAR	8 S	0559.0	0559.0	U	31.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0559.0	0559.0	U	31.0			QL=4 ST=3 TYP=3
	2695	SVTO	8 S	0559.0	0559.0	U	24.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0559.0	0559.0	1081.0	31.0			QL=4 ST=1 TYP=3
	410	SVTO	8 S	0603.0	0604.0	1.0	69.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0603.0	0604.0	1.0	170.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0611.0	0613.0	2.0	18.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0611.0	0613.0	4.0	140.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0715.0	0715.0	U	55.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0715.0	0715.0	U	55.0			QL=4 ST=4 TYP=3
	200	HIRA	42 SER	0715.0	0742.0	29.0	310.0			ML
	500	HIRA	47 GB	0715.0	0749.0	34.0	790.0			SR
	1415	LEAR	4 S/F	0719.0	0723.0	6.0	82.0			QL=4 ST=2 TYP=3
	410	LEAR	48 C	0720.0	0741.0	29.0	4500.0			QL=4 ST=3 TYP=8
	410	LEAR	48 C	0720.0	0741.0	32.0	4500.0			QL=4 ST=3 TYP=8
	410	LEAR	48 C	0720.0	0741.0	32.0	4500.0			QL=4 ST=2 TYP=8
	410	LEAR	49 GB	0720.0	0726.0	1000.0	1600.0			QL=4 ST=1 TYP=6
	410	LEAR	48 C	0720.0	0730.0	1000.0	2100.0			QL=4 ST=1 TYP=8
	410	LEAR	48 C	0720.0	0741.0	1000.0	4500.0			QL=4 ST=4 TYP=8
	610	LEAR	48 C	0722.0	0725.0	8.0	180.0			QL=4 ST=3 TYP=8
	610	LEAR	8 S	0722.0	0722.0	1.0	38.0			QL=4 ST=2 TYP=3
	410	SVTO	48 C	0722.0	0729.0	14.0	2700.0			QL=4 ST=2 TYP=8
	410	SVTO	49 GB	0722.0	0726.0	998.0	2000.0			QL=4 ST=1 TYP=6
	245	LEAR	49 GB	0723.0	0726.0	8.0	8900.0			QL=4 ST=3 TYP=6
	1415	LEAR	48 C	0723.0	0723.0	5.0	81.0			QL=4 ST=3 TYP=8
	1415	SVTO	4 S/F	0723.0	0723.0	3.0	86.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0723.0	0726.0	8.0	9500.0			QL=4 ST=2 TYP=6
	1415	LEAR	4 S/F	0723.0	0723.0	997.0	81.0			QL=4 ST=1 TYP=3
	1415	SVTO	4 S/F	0723.0	0723.0	997.0	86.0			QL=4 ST=1 TYP=3
	245	SVTO	49 GB	0723.0	0726.0	997.0	9500.0			QL=4 ST=1 TYP=6
	610	SVTO	4 S/F	0724.0	0726.0	3.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0724.0	0726.0	29.0	8900.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0724.0	0726.0	29.0	8900.0			QL=4 ST=3 TYP=6
	245	LEAR	49 GB	0724.0	0726.0	996.0	8900.0			QL=4 ST=1 TYP=6
	610	SVTO	4 S/F	0724.0	0726.0	996.0	150.0			QL=4 ST=1 TYP=3
	204	IZMI	46 C	0724.7	0726.8	3.1	2498.0			
	410	SVTO	48 C	0737.0	0741.0	6.0	5800.0			QL=4 ST=2 TYP=8
	610	SVTO	4 S/F	0737.0	0738.0	4.0	400.0			QL=4 ST=2 TYP=3
	245	SVTO	48 C	0737.0	0741.0	5.0	11000.0			QL=4 ST=2 TYP=8
	204	IZMI	46 C	0737.4	0741.6	5.3	15680.0			
	610	LEAR	8 S	0740.0	0741.0	2.0	440.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0740.0	0741.0	2.0	440.0			QL=4 ST=3 TYP=3
	610	LEAR	4 S/F	0740.0	0741.0	980.0	440.0			QL=4 ST=4 TYP=3
	1415	LEAR	8 S	0741.0	0741.0	1.0	61.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0741.0	0741.0	1.0	61.0			QL=4 ST=3 TYP=3
	410	SVTO	49 GB	0746.0	0749.0	4.0	2800.0			QL=4 ST=2 TYP=6
	245	SVTO	8 S	0746.0	0746.0	1.0	310.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0746.0	0747.0	3.0	380.0			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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
15	245	SVTO	4 S/F	0746.0	0746.0	974.0	310.0			QL=4 ST=1 TYP=3
	610	SVTO	4 S/F	0746.0	0747.0	974.0	380.0			QL=4 ST=1 TYP=3
	410	SVTO	49 GB	0746.0	0749.0	974.0	2800.0			QL=4 ST=1 TYP=6
	1415	SVTO	8 S	0748.0	0748.0	1.0	30.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0748.0	0748.0	972.0	30.0			QL=4 ST=1 TYP=3
	610	SVTO	8 S	0806.0	0806.0	2.0	64.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0806.0	0806.0	1.0	44.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0806.0	0807.0	2.0	760.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	0807.0	0807.0		340.0		U	QL=4 ST=2 TYP=3
	410	LEAR	48 C	0816.0	0822.0	944.0	1100.0			QL=4 ST=1 TYP=8
	410	LEAR	4 S/F	0816.0	0818.0	944.0	260.0			QL=4 ST=1 TYP=3
	245	LEAR	48 C	0818.0	0822.0	8.0	11000.0			QL=4 ST=2 TYP=8
	1415	LEAR	48 C	0818.0	0820.0	5.0	240.0			QL=4 ST=2 TYP=8
	610	LEAR	48 C	0818.0	0822.0	5.0	610.0			QL=4 ST=2 TYP=8
	410	LEAR	48 C	0818.0	0822.0	5.0	1100.0			QL=4 ST=2 TYP=8
	245	SVTO	48 C	0818.0	0822.0	8.0	12000.0			QL=4 ST=2 TYP=8
	610	SVTO	49 GB	0818.0	0822.0	5.0	600.0			QL=4 ST=2 TYP=6
	410	SVTO	49 GB	0818.0	0822.0	6.0	1000.0			QL=4 ST=2 TYP=6
	610	LEAR	49 GB	0818.0	0822.0	942.0	610.0			QL=4 ST=1 TYP=6
	1415	LEAR	4 S/F	0818.0	0820.0	942.0	240.0			QL=4 ST=1 TYP=3
	410	SVTO	49 GB	0818.0	0822.0	942.0	1000.0			QL=4 ST=1 TYP=6
	610	SVTO	49 GB	0818.0	0822.0	942.0	600.0			QL=4 ST=1 TYP=6
	245	SVTO	48 C	0818.0	0822.0	942.0	12000.0			QL=4 ST=1 TYP=8
	5730	IRKU	4 S/F	0818.0	0822.5	17.0	68.0		U	
	204	IZMI	46 C	0818.4	0822.2	8.9	50123.0			
	2840	PEKG	3 S	0819.0	0822.8	14.0	35.0			
	3000	IZMI	22 GRF	0819.6	0822.5	8.0	37.0		8.0	
	4995	SVTO	4 S/F	0820.0	0822.0	3.0	43.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0820.0	0820.0	3.0	280.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0820.0	0822.0	940.0	11000.0			QL=4 ST=1 TYP=6
	1415	SVTO	4 S/F	0820.0	0820.0	940.0	280.0			QL=4 ST=1 TYP=3
	4995	SVTO	4 S/F	0820.0	0822.0	940.0	43.0			QL=4 ST=1 TYP=3
	2695	SVTO	8 S	0822.0	0822.0		27.0		U	QL=4 ST=2 TYP=3
	245	LEAR	8 S	0846.0	0846.0	1.0	290.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0846.0	0846.0	1.0	78.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0846.0	0846.0	1.0	35.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0846.0	0847.0	1.0	240.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0846.0	0846.0	1.0	440.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	0931.2	0946.9	29.7	33431.0			
	3000	IZMI	20 GRF	0935.9	0952.4	50.8	80.0		12.0	
	245	LEAR	48 C	0939.0E	0953.0	17.0D	18000.0			QL=4 ST=2 TYP=8
	245	LEAR	48 C	0939.0	0946.0	861.0	6000.0			QL=4 ST=1 TYP=8
	245	LEAR	48 C	0939.0	0953.0	861.0	18000.0			QL=4 ST=1 TYP=8
	245	LEAR	48 C	0939.0	0953.0	861.0	18000.0			QL=4 ST=1 TYP=8
	245	SVTO	48 C	0943.0	0952.0	15.0	20000.0			QL=4 ST=2 TYP=8
	245	SVTO	49 GB	0943.0	0946.0	857.0	6900.0			QL=4 ST=1 TYP=6
	245	SVTO	48 C	0943.0	0952.0	857.0	20000.0			QL=4 ST=1 TYP=8
	610	LEAR	8 S	0946.0E	0946.0		90.0		U	QL=4 ST=2 TYP=3
	410	LEAR	48 C	0946.0E	0952.0	10.0D	590.0			QL=4 ST=2 TYP=8
	410	SVTO	48 C	0946.0	0958.0	13.0	730.0			QL=4 ST=2 TYP=8
610	SVTO	48 C	0946.0	0952.0	14.0	430.0			QL=4 ST=2 TYP=8	
410	LEAR	48 C	0946.0	0952.0	854.0	590.0			QL=4 ST=1 TYP=8	
610	LEAR	4 S/F	0946.0	0946.0	854.0	90.0			QL=4 ST=1 TYP=3	
410	LEAR	48 C	0946.0	0957.0	854.0	840.0			QL=4 ST=1 TYP=8	
410	LEAR	4 S/F	0946.0	0948.0	854.0	480.0			QL=4 ST=1 TYP=3	
610	SVTO	48 C	0946.0	0952.0	854.0	430.0			QL=4 ST=1 TYP=8	
610	SVTO	4 S/F	0946.0	0946.0	854.0	190.0			QL=4 ST=1 TYP=3	
410	SVTO	48 C	0946.0	0952.0	854.0	640.0			QL=4 ST=1 TYP=8	
4995	SVTO	4 S/F	0947.0	0952.0	13.0	110.0			QL=4 ST=2 TYP=3	
4995	SVTO	4 S/F	0947.0	0952.0	853.0	110.0			QL=4 ST=1 TYP=3	
2840	PEKG	3 S	0948.0	0952.8	10.0	57.1				
2695	SVTO	4 S/F	0949.0	0952.0	5.0	65.0			QL=4 ST=2 TYP=3	
8800	SVTO	4 S/F	0949.0	0952.0	5.0	76.0			QL=4 ST=2 TYP=3	
8800	SVTO	4 S/F	0949.0	0952.0	851.0	76.0			QL=4 ST=1 TYP=3	
2695	LEAR	4 S/F	0950.0E	0952.0	3.0D	46.0			QL=4 ST=2 TYP=3	
1415	SVTO	4 S/F	0950.0	0952.0	3.0	63.0			QL=4 ST=2 TYP=3	
1415	SVTO	4 S/F	0950.0	0952.0	850.0	63.0			QL=4 ST=1 TYP=3	
4995	LEAR	8 S	0951.0E	0952.0	2.0D	59.0			QL=4 ST=2 TYP=3	
4995	LEAR	4 S/F	0951.0	0952.0	849.0	59.0			QL=4 ST=1 TYP=3	

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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
15	1415	LEAR	4 S/F	0951.0	0952.0	849.0	47.0			QL=4 ST=1 TYP=3
	2695	LEAR	4 S/F	0951.0	0952.0	849.0	46.0			QL=4 ST=1 TYP=3
	1415	LEAR	8 S	0952.0E	0952.0		47.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	1000.0	1011.0	13.0	240.0			QL=4 ST=2 TYP=8
	4995	SVTO	4 S/F	1000.0	1003.0	840.0	29.0			QL=4 ST=1 TYP=3
	410	SVTO	48 C	1001.0	1011.0	24.0	3300.0			QL=4 ST=2 TYP=8
	245	SVTO	48 C	1001.0	1018.0	26.0	4800.0			QL=4 ST=2 TYP=8
	245	SVTO	4 S/F	1001.0	1001.0	839.0	320.0			QL=4 ST=1 TYP=3
	410	SVTO	49 GB	1001.0	1003.0	839.0	1900.0			QL=4 ST=1 TYP=6
	204	IZMI	46 C	1032.3	1049.6U	59.3	79000.0U			
	245	SVTO	49 GB	1035.0	1037.0	6.0	2100.0			QL=4 ST=2 TYP=6
	245	SVTO	49 GB	1035.0	1037.0	805.0	2100.0			QL=4 ST=1 TYP=6
	410	SVTO	8 S	1037.0	1037.0	1.0	300.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	1037.0	1042.0	7.0	150.0			QL=4 ST=2 TYP=8
	410	SVTO	4 S/F	1037.0	1037.0	803.0	300.0			QL=4 ST=1 TYP=3
	610	SVTO	4 S/F	1037.0	1037.0	803.0	130.0			QL=4 ST=1 TYP=3
	245	SGMR	48 C	1044.0	1055.0	22.0	31000.0			QL=2 ST=2 TYP=8
	245	SGMR	48 C	1044.0	1055.0	796.0	31000.0			QL=2 ST=1 TYP=8
	245	SGMR	49 GB	1044.0	1049.0	796.0	2200.0			QL=2 ST=1 TYP=6
	245	SVTO	48 C	1047.0	1055.0	12.0	74000.0			QL=4 ST=2 TYP=8
	245	SVTO	49 GB	1047.0	1049.0	793.0	9600.0			QL=4 ST=1 TYP=6
	245	SVTO	48 C	1047.0	1055.0	793.0	74000.0			QL=4 ST=1 TYP=8
	410	SVTO	4 S/F	1048.0	1055.0	11.0	2700.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1048.0	1048.0	792.0	180.0			QL=4 ST=1 TYP=3
	3000	IZMI	45 C	1051.7	1054.7	14.7	122.0	25.0		
	1415	SVTO	4 S/F	1052.0	1055.0	6.0	220.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	1052.0	1057.0	6.0	410.0			QL=4 ST=2 TYP=8
	610	SVTO	4 S/F	1052.0	1054.0	788.0	330.0			QL=4 ST=1 TYP=3
	1415	SVTO	4 S/F	1052.0	1055.0	788.0	220.0			QL=4 ST=1 TYP=3
	2695	SVTO	4 S/F	1053.0	1054.0	6.0	110.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1053.0	1054.0	8.0	200.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1053.0	1054.0	4.0	100.0			QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1053.0	1055.0	13.0	530.0			QL=2 ST=2 TYP=6
	410	SGMR	49 GB	1053.0	1055.0	787.0	530.0			QL=2 ST=1 TYP=6
	4995	SVTO	4 S/F	1053.0	1054.0	787.0	200.0			QL=4 ST=1 TYP=3
	8800	SVTO	4 S/F	1053.0	1054.0	787.0	100.0			QL=4 ST=1 TYP=3
	2695	SVTO	4 S/F	1053.0	1054.0	787.0	110.0			QL=4 ST=1 TYP=3
	1415	SGMR	4 S/F	1054.0	1055.0	9.0	73.0			QL=2 ST=2 TYP=3
	15400	SVTO	8 S	1054.0	1055.0	1.0	39.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1054.0	1055.0	786.0	73.0			QL=2 ST=1 TYP=3
	15400	SVTO	4 S/F	1054.0	1055.0	786.0	39.0			QL=4 ST=1 TYP=3
	2695	SGMR	4 S/F	1056.0	1058.0	7.0	50.0			QL=2 ST=2 TYP=3
	4995	SGMR	4 S/F	1056.0	1057.0	4.0	69.0			QL=2 ST=2 TYP=3
	410	SGMR	48 C	1106.0	1112.0	14.0	1200.0			QL=2 ST=2 TYP=8
	245	SGMR	49 GB	1106.0	1112.0	16.0	3100.0			QL=2 ST=2 TYP=6
	245	SGMR	49 GB	1106.0	1112.0	774.0	3100.0			QL=2 ST=1 TYP=6
	410	SGMR	48 C	1106.0	1112.0	774.0	1200.0			QL=2 ST=1 TYP=8
	410	SVTO	48 C	1107.0	1112.0	11.0	2100.0			QL=4 ST=2 TYP=8
	245	SVTO	49 GB	1107.0	1112.0	15.0	4300.0			QL=4 ST=2 TYP=6
	610	SGMR	8 S	1112.0	1112.0		60.0			QL=2 ST=2 TYP=3
	610	SVTO	8 S	1112.0	1112.0		150.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1112.0	1112.0	768.0	60.0			QL=2 ST=1 TYP=3
	410	SVTO	49 GB	1323.0	1323.0	2.0	1900.0			QL=4 ST=2 TYP=6
	610	SVTO	8 S	1323.0	1323.0	1.0	270.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1323.0	1325.0	3.0	4800.0			QL=4 ST=2 TYP=6
	610	SVTO	4 S/F	1323.0	1359.0	456.0	270.0			QL=4 ST=2 TYP=3
410	SVTO	49 GB	1323.0	1323.0	637.0	1900.0			QL=4 ST=1 TYP=6	
610	SVTO	4 S/F	1323.0	1323.0	637.0	270.0			QL=4 ST=1 TYP=3	
245	SVTO	49 GB	1323.0	1325.0	637.0	4800.0			QL=4 ST=1 TYP=6	
6700	CUBA	2 S/F	1323.0	1323.9	3.0	13.0	6.0		53R	
9500	CUBA	1 S	1323.3	1323.8	2.7	5.0	2.0			
127	TORN	48 C	1430.5	1434.1	6.0	370.0D	120.0D			
1415	SVTO	4 S/F	1431.0	1431.0	4.0	230.0			QL=4 ST=2 TYP=3	
2695	SVTO	4 S/F	1431.0	1433.0	12.0	190.0			QL=4 ST=2 TYP=3	
4995	SVTO	4 S/F	1431.0	1435.0	11.0	380.0			QL=4 ST=2 TYP=3	
2695	SVTO	4 S/F	1431.0	1433.0	569.0	190.0			QL=4 ST=1 TYP=3	
1415	SVTO	4 S/F	1431.0	1431.0	569.0	230.0			QL=4 ST=1 TYP=3	
4995	SVTO	4 S/F	1431.0	1435.0	569.0	380.0			QL=4 ST=1 TYP=3	
6700	CUBA	47 GB	1431.0	1435.1	5.2	610.0			8R	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int.	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
15	9500	CUBA	45 C	1431.4	1435.0	6.6	389.0D				
	280	CUBA	48 C	1431.9	1431.9	13.1	2802.0				
	235	CUBA	48 C	1431.9	1431.9	13.1	3510.0				
	15400	SVTO	4 S/F	1432.0	1435.0	6.0	290.0			QL=4 ST=2 TYP=3	
	610	SVTO	49 GB	1432.0	1434.0	7.0	3700.0			QL=4 ST=2 TYP=6	
	410	SVTO	49 GB	1432.0	1435.0	13.0	24000.0			QL=4 ST=2 TYP=6	
	8800	SVTO	49 GB	1432.0	1435.0	11.0	520.0			QL=4 ST=2 TYP=6	
	245	SVTO	48 C	1432.0	1438.0	22.0	31000.0			QL=4 ST=2 TYP=8	
	610	SVTO	49 GB	1432.0	1434.0	568.0	3700.0			QL=4 ST=1 TYP=6	
	8800	SVTO	49 GB	1432.0	1435.0	568.0	520.0			QL=4 ST=1 TYP=6	
	410	SVTO	49 GB	1432.0	1435.0	568.0	24000.0			QL=4 ST=1 TYP=6	
	15400	SVTO	4 S/F	1432.0	1435.0	568.0	290.0			QL=4 ST=1 TYP=3	
	245	SVTO	49 GB	1432.0	1433.0	568.0	13000.0			QL=4 ST=1 TYP=6	
	6700	CUBA	29 PBI	1436.2		72.8	140.0			5R	
	9500	CUBA	29 PBI	1438.0		55.0	27.0			13.0	
	6700	CUBA	21 GRF	1611.0	1818.0	164.0	17.0			8.0	16R
	280	CUBA	48 C	1649.0	1700.0	16.0	3103.0				
	235	CUBA	48 C	1649.0	1700.0	16.0	2861.1				
	245	SGMR	48 C	1649.0	1659.0	15.0	10000.0				QL=4 ST=2 TYP=8
	245	SGMR	48 C	1649.0	1659.0	15.0	10000.0				QL=4 ST=3 TYP=8
	245	SGMR	49 GB	1649.0	1649.0	431.0	2100.0				QL=4 ST=1 TYP=6
	245	SGMR	48 C	1649.0	1659.0	431.0	10000.0				QL=4 ST=1 TYP=8
	410	SGMR	49 GB	1653.0	1653.0	11.0	840.0				QL=4 ST=3 TYP=6
	410	SGMR	49 GB	1653.0	1653.0	11.0	840.0				QL=4 ST=2 TYP=6
	410	SGMR	49 GB	1653.0	1653.0	427.0	840.0				QL=4 ST=1 TYP=6
	610	SGMR	48 C	1707.0	1708.0	8.0	180.0				QL=4 ST=2 TYP=8
	610	SGMR	48 C	1707.0	1708.0	8.0	180.0				QL=4 ST=3 TYP=8
	2695	SGMR	4 S/F	1708.0	1711.0	7.0	59.0				QL=4 ST=3 TYP=3
	410	SGMR	49 GB	1708.0	1708.0	7.0	790.0				QL=4 ST=2 TYP=6
	1415	SGMR	46 C	1708.0	1710.0	7.0	41.0				QL=4 ST=2 TYP=8
	245	SGMR	49 GB	1708.0	1708.0	7.0	720.0				QL=4 ST=2 TYP=6
	2695	SGMR	4 S/F	1708.0	1711.0	7.0	59.0				QL=4 ST=2 TYP=3
	1415	SGMR	46 C	1708.0	1710.0	7.0	41.0				QL=4 ST=3 TYP=8
	245	SGMR	49 GB	1708.0	1708.0	7.0	720.0				QL=4 ST=3 TYP=6
	410	SGMR	49 GB	1708.0	1708.0	7.0	790.0				QL=4 ST=3 TYP=6
	4995	SGMR	4 S/F	1708.0	1710.0	7.0	74.0				QL=2 ST=2 TYP=3
	4995	SGMR	4 S/F	1708.0	1710.0	7.0	74.0				QL=2 ST=3 TYP=3
	8800	SGMR	4 S/F	1709.0	1710.0	6.0	33.0				QL=2 ST=3 TYP=3
	8800	SGMR	4 S/F	1709.0	1710.0	6.0	33.0				QL=2 ST=2 TYP=3
	245	PALE	49 GB	1711.0	1716.0	7.0	600.0				QL=4 ST=2 TYP=6
	410	PALE	49 GB	1711.0	1716.0	7.0	3300.0				QL=4 ST=2 TYP=6
	2695	PALE	4 S/F	1711.0	1711.0	5.0	7.0				QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	1711.0	1711.0	5.0	6.0				QL=4 ST=2 TYP=3
	410	SGMR	49 GB	1715.0	1716.0	6.0	3400.0				QL=4 ST=2 TYP=6
	410	SGMR	49 GB	1715.0	1716.0	405.0	3400.0				QL=4 ST=1 TYP=6
4995	PALE	8 S	1717.0	1717.0	1.0	1.0				QL=4 ST=2 TYP=3	
610	PALE	8 S	1717.0	1717.0	1.0	18.0				QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1717.0	1719.0	4.0	190.0				QL=4 ST=2 TYP=3	
4995	PALE	8 S	1721.0	1721.0	1.0	50.0				QL=4 ST=2 TYP=3	
2695	PALE	4 S/F	1721.0	1721.0	8.0	69.0				QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	1808.2	1811.0	7.3	20.0			10.0	37R	
6700	CUBA	2 S/F	1830.5	1830.9	2.2	8.0			4.0	22R	
2800	PENT	40 F	2037.0	2055.0	67.0	100.0					
2695	PALE	4 S/F	2052.0	2055.0	7.0	150.0				QL=4 ST=2 TYP=3	
610	PALE	48 C	2052.0	2055.0	6.0	280.0				QL=4 ST=2 TYP=8	
410	SGMR	48 C	2052.0	2055.0	9.0	1700.0				QL=4 ST=2 TYP=8	
410	PALE	48 C	2052.0	2055.0	17.0	1700.0				QL=4 ST=2 TYP=8	
6700	CUBA	21 GRF	2052.0	2100.0	68.0D	18.0			9.0	19R	
6700	CUBA	21 GRF	2052.0	2100.0	68.0D	18.0			9.0	19R	
2695	PALE	4 S/F	2052.0	2055.0	188.0	150.0				QL=4 ST=1 TYP=3	
610	PALE	48 C	2052.0	2055.0	188.0	280.0				QL=4 ST=1 TYP=8	
410	PALE	48 C	2052.0	2055.0	188.0	1700.0				QL=4 ST=1 TYP=8	
410	SGMR	48 C	2052.0	2055.0	188.0	1700.0				QL=4 ST=1 TYP=8	
280	CUBA	7 C	2052.3	2052.3	6.3	2597.0					
235	CUBA	7 C	2052.3	2052.3	6.3	4991.0					
1415	PALE	4 S/F	2053.0	2055.0	5.0	50.0				QL=4 ST=2 TYP=3	
610	SGMR	48 C	2053.0	2055.0	8.0	260.0				QL=4 ST=2 TYP=8	
9500	CUBA	21 GRF	2053.0	2058.0	27.0	22.0			11.0		
1415	PALE	4 S/F	2053.0	2055.0	187.0	50.0				QL=4 ST=1 TYP=3	

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

31
Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
15	610	SGMR	4 S/F	2053.0	2053.0	187.0	150.0			QL=4 ST=1 TYP=3
	6700	CUBA	45 C	2053.0	2055.9	6.6	186.0			32R
	4995	PALE	4 S/F	2054.0	2055.0	4.0	210.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	2054.0	2055.0	7.0	250.0			QL=2 ST=2 TYP=3
	245	PALE	49 GB	2054.0	2055.0	17.0	20000.0			QL=4 ST=2 TYP=6
	4995	PALE	4 S/F	2054.0	2055.0	186.0	210.0			QL=4 ST=1 TYP=3
	245	PALE	49 GB	2054.0	2055.0	186.0	20000.0			QL=4 ST=1 TYP=6
	9500	CUBA	3 S	2055.0	2056.0	3.0	94.0	47.0		
	8800	PALE	4 S/F	2055.0	2055.0	4.0	140.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	2055.0	2056.0	2.0	47.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	2055.0	2055.0	6.0	22000.0			QL=4 ST=2 TYP=6
	2695	SGMR	4 S/F	2055.0	2055.0	6.0	82.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	2055.0	2055.0	2.0	110.0			QL=2 ST=2 TYP=3
	8800	PALE	4 S/F	2055.0	2055.0	185.0	140.0			QL=4 ST=1 TYP=3
	245	SGMR	49 GB	2055.0	2055.0	185.0	22000.0			QL=4 ST=1 TYP=6
	1415	SGMR	4 S/F	2056.0	2057.0	5.0	31.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	2103.0	2107.0	11.0	5500.0			QL=4 ST=2 TYP=8
	245	SGMR	49 GB	2103.0	2104.0	177.0	3800.0			QL=4 ST=1 TYP=6
	245	SGMR	48 C	2103.0	2107.0	177.0	5500.0			QL=4 ST=1 TYP=8
	16	410	SVTO	43 NS	0450.0	0512.0	124.0	160.0		
245		SVTO	43 NS	0450.0	0450.0	705.0	600.0			QL=4 ST=2 TYP=1
410		SVTO	43 NS	0450.0	0451.0	1150.0	74.0			QL=4 ST=1 TYP=1
245		SVTO	43 NS	0450.0	0450.0	1150.0	600.0			QL=4 ST=1 TYP=1
204		IZMI	44 NS	0600.0E		360.0D		200.0		
127		TORN	44 NS	0620.0E		520.0D		100.0		V=1
33		UPIC	43 NS	0636.0		480.0				
245		SGMR	43 NS	1045.0	1306.0	682.0	1000.0			QL=4 ST=2 TYP=1
245		SGMR	44 NS	1045.0E	1049.0U	795.0D	50.0			QL=4 ST=1 TYP=1
245		SGMR	44 NS	1045.0E	1055.0U	795.0D	210.0			QL=4 ST=1 TYP=1
245		SGMR	44 NS	1045.0E	1306.0U	795.0D	1000.0			QL=4 ST=1 TYP=1
280		CUBA	44 NS	1300.0E		530.0D		53.0		
235		CUBA	44 NS	1300.0E		530.0D		50.0		
410		PALE	43 NS	1636.0	0000.0	444.0	63.0			QL=4 ST=1 TYP=1
245		PALE	43 NS	1636.0	0000.0	444.0	210.0			QL=4 ST=1 TYP=1
410		PALE	43 NS	1636.0	0050.0	702.0	340.0			QL=4 ST=2 TYP=1
245		PALE	43 NS	1636.0	2016.0	702.0	1000.0			QL=4 ST=2 TYP=1
245		PALE	43 NS	1648.0	1656.0	432.0	120.0			QL=4 ST=1 TYP=1
245		PALE	43 NS	1648.0	1709.0	542.0	270.0			QL=4 ST=2 TYP=1
245		LEAR	43 NS	2235.0	2241.0U	85.0	110.0			QL=4 ST=4 TYP=1
245		LEAR	43 NS	2235.0	2247.0U	85.0	130.0			QL=4 ST=1 TYP=1
245		LEAR	43 NS	2235.0	2247.0U	85.0	130.0			QL=4 ST=2 TYP=1
245		LEAR	43 NS	2235.0	2247.0U	349.0	130.0			QL=4 ST=2 TYP=1
2840		PEKG	5 S	0221.0	0223.9	6.0	77.8			
5730		IRKU	4 S/F	0221.8	0224.0	8.2	52.0		U	
1415		LEAR	8 S	0223.0	0223.0	1.0	58.0			QL=4 ST=2 TYP=3
2695		LEAR	8 S	0223.0	0223.0	1.0	75.0			QL=4 ST=2 TYP=3
500		HIRA	7 C	0334.0	0337.0	18.0	170.0			MR
2840		PEKG	5 S	0335.0	0339.5	8.0	21.9			
5730		IRKU	21 GRF	0335.8	0349.8	17.2	30.0		U	
610		LEAR	8 S	0336.0	0336.0		140.0			QL=4 ST=2 TYP=3
410		LEAR	8 S	0336.0	0336.0		180.0			QL=4 ST=3 TYP=3
410		LEAR	8 S	0336.0	0336.0		180.0			QL=4 ST=2 TYP=3
610		LEAR	4 S/F	0339.0	0347.0	10.0	45.0			QL=4 ST=2 TYP=3
245		LEAR	49 GB	0339.0	0347.0	10.0	1900.0			QL=4 ST=2 TYP=6
410		LEAR	4 S/F	0339.0	0347.0	10.0	210.0			QL=4 ST=2 TYP=3
245		LEAR	49 GB	0339.0	0347.0	10.0	1900.0			QL=4 ST=3 TYP=6
2840		PEKG	20 GRF	0345.0	0349.6	9.0	29.9			
2840		PEKG	47 GB	0405.0	0414.9	51.0	1708.5			
5730		IRKU	49 GB	0407.5	0413.5	21.5	34000.0		U	
2800	HIRA	47 GB	0408.0	0415.0	29.0	1300.0			0	
500	HIRA	47 GB	0408.0	0433.0	50.0	4540.0			0	
610	PALE	49 GB	0409.0	0412.0	11.0	760.0			QL=4 ST=2 TYP=6	
1415	LEAR	48 C	0409.0	0412.0	37.0	1000.0			QL=4 ST=2 TYP=8	
2695	LEAR	48 C	0409.0	0415.0	41.0	1100.0			QL=4 ST=2 TYP=8	
610	LEAR	48 C	0409.0	0428.0	41.0	6600.0			QL=4 ST=2 TYP=8	
1415	LEAR	48 C	0409.0	0412.0	1191.0	1000.0			QL=4 ST=1 TYP=8	
1415	LEAR	48 C	0409.0	0412.0	1191.0	1000.0			QL=4 ST=1 TYP=8	
1415	LEAR	49 GB	0409.0	0412.0	1191.0	1000.0			QL=4 ST=1 TYP=6	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
16	2695	LEAR	48 C	0409.0	0415.0	1191.0	1100.0			QL=4 ST=1 TYP=8
	1415	LEAR	48 C	0409.0	0412.0	1191.0	1000.0			QL=4 ST=1 TYP=8
	610	LEAR	48 C	0409.0	0425.0	1191.0	4000.0			QL=4 ST=1 TYP=8
	610	LEAR	49 GB	0409.0	0412.0	1191.0	760.0			QL=4 ST=1 TYP=6
	610	LEAR	48 C	0409.0	0412.0	1191.0	760.0			QL=4 ST=1 TYP=8
	610	LEAR	48 C	0409.0	0412.0	1191.0	760.0			QL=4 ST=1 TYP=8
	610	LEAR	48 C	0409.0	0428.0	1191.0	6600.0			QL=4 ST=1 TYP=8
	1415	LEAR	49 GB	0409.0	0412.0	1191.0	1000.0			QL=4 ST=1 TYP=6
	410	PALE	49 GB	0410.0	0412.0	10.0	1100.0			QL=4 ST=2 TYP=6
	15400	LEAR	48 C	0410.0	0413.0	24.0	1200.0			QL=4 ST=2 TYP=8
	4995	LEAR	48 C	0410.0	0413.0	46.0	2100.0			QL=4 ST=2 TYP=8
	8800	LEAR	48 C	0410.0	0413.0	46.0	2500.0			QL=4 ST=2 TYP=8
	8800	LEAR	48 C	0410.0	0413.0	1190.0	2500.0			QL=4 ST=1 TYP=8
	15400	LEAR	48 C	0410.0	0413.0	1190.0	1200.0			QL=4 ST=1 TYP=8
	4995	LEAR	48 C	0410.0	0413.0	1190.0	2100.0			QL=4 ST=1 TYP=8
	410	LEAR	48 C	0411.0	0433.0	40.0	32000.0			QL=4 ST=2 TYP=8
	410	LEAR	49 GB	0411.0	0412.0	1189.0	1000.0			QL=4 ST=1 TYP=6
	410	LEAR	48 C	0411.0	0412.0	1189.0	1000.0			QL=4 ST=1 TYP=8
	410	LEAR	48 C	0411.0	0412.0	1189.0	1000.0			QL=4 ST=1 TYP=8
	410	LEAR	49 GB	0411.0	0412.0	1189.0	1000.0			QL=4 ST=1 TYP=6
	410	LEAR	48 C	0411.0	0412.0	1189.0	1000.0			QL=4 ST=1 TYP=8
	15400	PALE	49 GB	0412.0	0416.0	8.0	1800.0			QL=4 ST=2 TYP=6
	200	HIRA	7 C	0412.0	0416.0	34.0	200.0			SL
	245	LEAR	48 C	0412.0	0432.0	40.0	10000.0			QL=4 ST=2 TYP=8
	245	LEAR	48 C	0412.0	0413.0	1188.0	1400.0			QL=4 ST=1 TYP=8
	245	LEAR	49 GB	0412.0	0413.0	1188.0	1400.0			QL=4 ST=1 TYP=6
	245	LEAR	48 C	0412.0	0413.0	1188.0	1400.0			QL=4 ST=1 TYP=8
	245	PALE	49 GB	0413.0	0413.0	4.0	1600.0			QL=4 ST=2 TYP=6
	1415	PALE	8 S	0415.0	0415.0	U	52.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0557.8U	0558.3	2.5U	2015.0			
	245	LEAR	8 S	0559.0	0600.0	1.0	150.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0559.0	0559.0	1.0	87.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0559.0	0559.0	1.0	140.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0559.0	0559.0	1.0	150.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0559.0	0600.0	1.0	150.0			QL=2 ST=2 TYP=3
	610	SVTO	8 S	0559.0	0559.0	1.0	100.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0638.8	0639.2	0.7	1699.0			
	204	IZMI	42 SER	0645.1	0653.6	10.3	6344.0			
	200	HIRA	7 C	0646.0	0652.0	10.0	70.0			0
	500	HIRA	42 SER	0647.0	0652.0	9.0	200.0			MR
	610	SVTO	4 S/F	0647.0	0648.0	3.0	57.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0647.0	0648.0	3.0	480.0			QL=2 ST=2 TYP=3
	410	SVTO	4 S/F	0647.0	0649.0	3.0	320.0			QL=2 ST=2 TYP=3
	3000	IZMI	20 GRF	0650.7	0651.9	4.3	8.0	3.0		
	610	SVTO	8 S	0651.0	0651.0	1.0	170.0			QL=4 ST=2 TYP=3
	410	SVTO	49 GB	0651.0	0652.0	1.0	670.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	0651.0	0651.0	1.0	1200.0			QL=2 ST=2 TYP=6
	204	IZMI	42 SER	0750.6	0751.9	2.0	2197.0			
	200	HIRA	7 C	0751.0	0752.0	2.0	30.0			0
	204	IZMI	46 C	0816.6E	0817.5	1.8U	5779.0			
	410	LEAR	8 S	0817.0	0817.0	U	110.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0817.0	0817.0	U	350.0			QL=2 ST=2 TYP=3
	410	SVTO	8 S	0817.0	0817.0	1.0	120.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	0817.0	0817.0	1.0	340.0			QL=2 ST=2 TYP=3
204	IZMI	42 SER	0856.5	0900.4	22.3	6402.0				
410	LEAR	48 C	0857.0	0901.0	12.0	220.0			QL=2 ST=2 TYP=8	
245	LEAR	48 C	0857.0	0901.0	12.0	6700.0			QL=2 ST=2 TYP=8	
410	LEAR	48 C	0857.0	0901.0	903.0	220.0			QL=4 ST=1 TYP=8	
410	LEAR	4 S/F	0857.0	0858.0	903.0	120.0			QL=4 ST=1 TYP=3	
245	LEAR	48 C	0857.0	0901.0	903.0	6700.0			QL=4 ST=1 TYP=8	
2840	PEKG	1 S	0859.0	0901.2	8.0	9.0				
610	LEAR	48 C	0900.0	0906.0	6.0	380.0			QL=4 ST=2 TYP=8	
410	SVTO	48 C	0900.0	0901.0	2.0	270.0			QL=2 ST=2 TYP=8	
245	SVTO	49 GB	0900.0	0901.0	2.0	8200.0			QL=2 ST=2 TYP=6	
610	LEAR	4 S/F	0900.0	0901.0	900.0	45.0			QL=4 ST=1 TYP=3	
610	LEAR	48 C	0900.0	0903.0	900.0	68.0			QL=4 ST=1 TYP=8	
610	SVTO	4 S/F	0900.0	0901.0	900.0	54.0			QL=4 ST=1 TYP=3	
410	SVTO	4 S/F	0900.0	0901.0	900.0	160.0			QL=2 ST=1 TYP=3	
410	SVTO	4 S/F	0900.0	0901.0	900.0	270.0			QL=2 ST=1 TYP=3	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
16	245	SVTO	49 GB	0900.0	0901.0	900.0	8200.0			QL=2 ST=1 TYP=6
	3000	IZMI	22 GRF	0900.9	0901.4	9.3	13.0			
	1415	LEAR	8 S	0901.0	0901.0	U	25.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0901.0	0901.0	899.0	25.0			QL=4 ST=1 TYP=3
	245	SVTO	48 C	0903.0	0907.0	6.0	260.0			QL=2 ST=2 TYP=8
	610	SVTO	48 C	0903.0	0906.0	3.0	330.0			QL=4 ST=2 TYP=8
	410	SVTO	48 C	0903.0	0903.0	6.0	150.0			QL=2 ST=2 TYP=8
	410	LEAR	8 S	0916.0	0916.0	1.0	31.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0916.0	0917.0	1.0	280.0			QL=2 ST=2 TYP=3
	3000	IZMI	40 F	1005.9	1014.6	29.3	15.0	7.0		
	204	IZMI	42 SER	1010.8	1014.4	21.9	1152.0			
	245	SVTO	49 GB	1012.0	1014.0	3.0	820.0			QL=2 ST=2 TYP=6
	410	SVTO	8 S	1013.0	1014.0	2.0	200.0			QL=2 ST=2 TYP=3
	610	SVTO	8 S	1014.0	1014.0	1.0	180.0			QL=2 ST=2 TYP=3
	245	SVTO	4 S/F	1027.0	1028.0	5.0	450.0			QL=2 ST=2 TYP=3
	410	SVTO	4 S/F	1028.0	1030.0	4.0	360.0			QL=2 ST=2 TYP=3
	204	IZMI	46 C	1115.4	1118.8	6.1	9321.0			
	245	SGMR	49 GB	1116.0	1118.0	3.0	3700.0			QL=2 ST=2 TYP=6
	410	SGMR	4 S/F	1116.0	1118.0	3.0	210.0			QL=2 ST=2 TYP=3
	3000	IZMI	22 GRF	1116.4	1118.9	15.1	14.0	5.0		
	410	SVTO	49 GB	1118.0	1118.0U	1.0	500.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	1118.0	1118.0U	1.0	4700.0			QL=2 ST=2 TYP=6
	410	SVTO	49 GB	1118.0	1118.0U	762.0	500.0			QL=2 ST=1 TYP=6
	245	SVTO	49 GB	1118.0	1118.0U	762.0	4700.0			QL=2 ST=1 TYP=6
	410	SGMR	49 GB	1123.0	1126.0	7.0	510.0			QL=4 ST=2 TYP=6
	410	SVTO	49 GB	1123.0	1126.0	5.0	1200.0			QL=2 ST=2 TYP=6
	410	SGMR	49 GB	1123.0	1126.0	757.0	510.0			QL=4 ST=1 TYP=6
	410	SVTO	49 GB	1123.0	1126.0	757.0	1200.0			QL=2 ST=1 TYP=6
	204	IZMI	46 C	1124.3	1126.2	4.1	7684.0			
	610	SGMR	4 S/F	1125.0	1125.0	3.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1125.0	1126.0	2.0	24000.0			QL=2 ST=2 TYP=6
	245	SVTO	49 GB	1125.0	1126.0	2.0	21000.0			QL=2 ST=2 TYP=6
	245	SGMR	49 GB	1125.0	1126.0	755.0	24000.0			QL=4 ST=1 TYP=6
	610	SGMR	4 S/F	1125.0	1125.0	755.0	120.0			QL=4 ST=1 TYP=3
	245	SVTO	49 GB	1125.0	1126.0	755.0	21000.0			QL=2 ST=1 TYP=6
	410	SGMR	8 S	1255.0	1255.0	U	53.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1306.0	1306.0	1.0	840.0			QL=2 ST=2 TYP=6
	610	SGMR	4 S/F	1327.0	1328.0	4.0	89.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1328.0	1328.0	1.0	420.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1328.0	1328.0	1.0	3600.0			QL=2 ST=2 TYP=6
	410	SVTO	8 S	1328.0	1328.0	1.0	240.0			QL=2 ST=2 TYP=3
	245	SVTO	49 GB	1328.0	1328.0	1.0	3200.0			QL=2 ST=2 TYP=6
	610	SVTO	8 S	1328.0	1328.0	U	73.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1328.0	1328.0	632.0	3200.0			QL=2 ST=1 TYP=6
	410	SVTO	4 S/F	1328.0	1328.0	632.0	240.0			QL=2 ST=1 TYP=3
	245	SVTO	49 GB	1346.0	1347.0	2.0	520.0			QL=2 ST=2 TYP=6
	410	SVTO	8 S	1347.0	1347.0	U	33.0			QL=2 ST=2 TYP=3
	235	CUBA	49 GB	1400.0	1426.0	28.8	5174.0			
	280	CUBA	49 GB	1400.0	1426.0	28.8	8570.0			
	127	TORN	48 C	1413.9	1422.8	13.0	5800.0	100.0		
	6700	CUBA	21 GRF	1415.0	1431.0	177.0	35.0	17.0		2R
	610	SGMR	8 S	1417.0	1418.0	2.0	79.0			QL=4 ST=2 TYP=3
	9500	CUBA	21 GRF	1418.0	1431.0	55.0	32.0	16.0		
	2695	SVTO	4 S/F	1418.0	1420.0	582.0	53.0			QL=4 ST=1 TYP=3
	2695	SVTO	48 C	1418.0	1427.0	582.0	130.0			QL=4 ST=1 TYP=8
	2695	SGMR	4 S/F	1419.0	1420.0	4.0	57.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1419.0	1420.0	4.0	50.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1423.0	1427.0	12.0	140.0			QL=4 ST=3 TYP=3
	15400	SGMR	4 S/F	1423.0	1427.0	12.0	140.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1423.0	1427.0	577.0	140.0			QL=4 ST=1 TYP=3
	410	SGMR	49 GB	1424.0	1426.0	9.0	36000.0			QL=4 ST=2 TYP=6
	410	SGMR	49 GB	1424.0	1426.0	9.0	36000.0			QL=4 ST=3 TYP=6
	8800	SGMR	4 S/F	1424.0	1427.0	11.0	240.0			QL=4 ST=3 TYP=3
	8800	SGMR	4 S/F	1424.0	1427.0	11.0	240.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1424.0	1427.0	576.0	240.0			QL=4 ST=1 TYP=3
	410	SGMR	49 GB	1424.0	1426.0	576.0	36000.0			QL=4 ST=1 TYP=6
	6700	CUBA	45 C	1424.2	1427.2	4.8	243.0			16R
	1415	SGMR	4 S/F	1425.0	1427.0	6.0	89.0			QL=4 ST=3 TYP=3
	1415	SGMR	4 S/F	1425.0	1427.0	6.0	89.0			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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
16	2695	SGMR	4 S/F	1425.0	1427.0	10.0	140.0			QL=4 ST=3 TYP=3
	4995	SGMR	4 S/F	1425.0	1427.0	10.0	340.0			QL=4 ST=3 TYP=3
	2695	SGMR	4 S/F	1425.0	1427.0	10.0	140.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1425.0	1427.0	10.0	340.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1425.0	1427.0	10.0	170.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1425.0	1427.0	10.0	170.0			QL=4 ST=3 TYP=3
	1415	SGMR	4 S/F	1425.0	1427.0	575.0	89.0			QL=4 ST=1 TYP=3
	4995	SGMR	4 S/F	1425.0	1427.0	575.0	340.0			QL=4 ST=1 TYP=3
	610	SGMR	4 S/F	1425.0	1427.0	575.0	170.0			QL=4 ST=1 TYP=3
	2695	SGMR	4 S/F	1425.0	1427.0	575.0	140.0			QL=4 ST=1 TYP=3
	8800	SVTO	4 S/F	1425.0	1427.0	575.0	190.0			QL=4 ST=1 TYP=3
	610	SVTO	4 S/F	1425.0	1427.0	575.0	110.0			QL=4 ST=1 TYP=3
	4995	SVTO	4 S/F	1425.0	1427.0	575.0	230.0			QL=4 ST=1 TYP=3
	15400	SVTO	4 S/F	1425.0	1427.0	575.0	99.0			QL=4 ST=1 TYP=3
	410	SVTO	49 GB	1425.0	1426.0	575.0	30000.0			QL=2 ST=1 TYP=6
	9500	CUBA	45 C	1425.5	1427.2	4.5	179.0			
	245	SGMR	49 GB	1426.0	1426.0	9.0	3000.0			QL=2 ST=3 TYP=6
	245	SGMR	49 GB	1426.0	1426.0	9.0	3000.0			QL=2 ST=2 TYP=6
	245	SGMR	49 GB	1426.0	1426.0	574.0	3000.0			QL=4 ST=1 TYP=6
	1415	SVTO	4 S/F	1426.0	1427.0	574.0	88.0			QL=4 ST=1 TYP=3
	245	SVTO	49 GB	1426.0	1426.0	574.0	2700.0			QL=2 ST=1 TYP=6
	245	SVTO	8 S	1438.0	1439.0	1.0	470.0			QL=2 ST=2 TYP=3
	6700	CUBA	1 S	1535.8	1536.4	1.4	11.0	5.0		14R
	245	SVTO	8 S	1623.0	1624.0	2.0	110.0			QL=2 ST=2 TYP=3
	410	SVTO	8 S	1623.0	1624.0	2.0	43.0			QL=2 ST=2 TYP=3
	245	PALE	48 C	1642.0	1659.0	438.0	13000.0			QL=4 ST=1 TYP=8
	245	PALE	49 GB	1649.0	1649.0	2.0	2700.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	1653.0	1659.0	7.0	11000.0			QL=4 ST=2 TYP=6
	410	PALE	49 GB	1653.0	1653.0	7.0	820.0			QL=4 ST=2 TYP=6
	2695	PALE	4 S/F	1711.0	1711.0	5.0	7.0			QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	1711.0	1711.0	5.0	6.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	1711.0	1716.0	7.0	3300.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	1711.0	1716.0	7.0	600.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	1714.0	1714.0	3.0	930.0			QL=4 ST=2 TYP=6
	410	SGMR	4 S/F	1714.0	1714.0	3.0	320.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1714.0	1714.0	3.0	930.0			QL=4 ST=3 TYP=6
	410	SGMR	4 S/F	1714.0	1714.0	3.0	320.0			QL=4 ST=3 TYP=3
	235	CUBA	48 C	1715.0	1723.0	12.5	2202.0			
	280	CUBA	48 C	1715.0	1723.0	12.5	1354.0			
	4995	PALE	8 S	1717.0	1717.0	1.0	1.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	1717.0	1717.0	1.0	18.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	1721.0	1721.0	1.0	50.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	1721.0	1721.0	8.0	69.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1722.0	1723.0	5.0	87.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1722.0	1724.0	5.0	1500.0			QL=4 ST=2 TYP=6
	410	SGMR	49 GB	1722.0	1724.0	7.0	890.0			QL=4 ST=2 TYP=6
	610	SGMR	4 S/F	1722.0	1723.0	398.0	87.0			QL=4 ST=1 TYP=3
	245	SGMR	49 GB	1722.0	1724.0	398.0	1500.0			QL=4 ST=1 TYP=6
	410	SGMR	49 GB	1722.0	1724.0	398.0	890.0			QL=4 ST=1 TYP=6
	6700	CUBA	1 S	1727.9	1728.2	3.2	12.0	6.0		34R
245	PALE	49 GB	1747.0	1747.0	1.0	1000.0			QL=4 ST=2 TYP=6	
245	PALE	49 GB	1747.0	1747.0	1.0	1000.0			QL=4 ST=3 TYP=6	
410	PALE	8 S	2009.0	2009.0	U	270.0			QL=4 ST=2 TYP=3	
245	PALE	49 GB	2016.0	2017.0	6.0	25000.0			QL=4 ST=2 TYP=6	
410	PALE	49 GB	2016.0	2017.0	5.0	7600.0			QL=4 ST=2 TYP=6	
610	PALE	4 S/F	2016.0	2017.0	4.0	330.0			QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	2016.0	2017.0	6.0	380.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	2016.0	2017.0	8.0	21000.0			QL=4 ST=2 TYP=6	
410	SGMR	49 GB	2016.0	2017.0	8.0	7600.0			QL=4 ST=2 TYP=6	
610	PALE	4 S/F	2016.0	2017.0	224.0	330.0			QL=4 ST=1 TYP=3	
245	PALE	49 GB	2016.0	2017.0	224.0	25000.0			QL=4 ST=1 TYP=6	
410	PALE	49 GB	2016.0	2017.0	224.0	7600.0			QL=4 ST=1 TYP=6	
610	SGMR	4 S/F	2016.0	2017.0	224.0	380.0			QL=4 ST=1 TYP=3	
245	SGMR	49 GB	2016.0	2017.0	224.0	21000.0			QL=4 ST=1 TYP=6	
280	CUBA	48 C	2016.8	2017.2	2.4	7561.0				
235	CUBA	48 C	2016.8	2017.2	2.4	21619.0				
4995	PALE	8 S	2017.0	2017.0	1.0	50.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	2017.0	2017.0	7.0	54.0			QL=4 ST=2 TYP=3	
4995	PALE	4 S/F	2017.0	2017.0	223.0	50.0			QL=4 ST=1 TYP=3	

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

35
Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
16	610	PALE	4 S/F	2052.0	2053.0	188.0	160.0			QL=4 ST=1 TYP=3
	410	PALE	48 C	2052.0	2055.0	188.0	1700.0			QL=4 ST=1 TYP=8
	245	PALE	49 GB	2054.0	2055.0	186.0	20000.0			QL=4 ST=1 TYP=6
	500	HIRA	7 C	2105.0	2111.0	8.0	60.0			MR
	200	HIRA	47 GB	2107.0	2108.0	1.0	1630.0			WR
	245	PALE	49 GB	2107.0	2107.0	1.0	9000.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	2107.0	2107.0	2.0	8800.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	2110.0	2110.0	5.0	1100.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	2110.0	2110.0	4.0	1100.0			QL=4 ST=2 TYP=6
	410	SGMR	4 S/F	2110.0	2111.0	4.0	120.0			QL=4 ST=2 TYP=3
	500	HIRA	7 C	2132.0	2136.0	8.0	440.0			SR
	410	SGMR	48 C	2132.0	2136.0	7.0	1800.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	2132.0	2137.0	9.0	970.0			QL=4 ST=2 TYP=8
	245	SGMR	49 GB	2132.0	2133.0	148.0	800.0			QL=4 ST=1 TYP=6
	410	SGMR	48 C	2132.0	2136.0	148.0	1800.0			QL=4 ST=1 TYP=8
	200	HIRA	4 S/F	2136.0	2137.0	2.0	350.0			WR
	610	SGMR	8 S	2136.0	2136.0	2.0	330.0			QL=4 ST=2 TYP=3
	2800	PENT	40 F	2153.0	2215.0	29.0	14.0			
	200	HIRA	47 GB	2213.0	2216.0	5.0	2880.0			ML
	500	HIRA	47 GB	2213.0	2217.0	5.0	750.0			SR
	610	PALE	4 S/F	2213.0	2215.0	5.0	490.0			QL=4 ST=2 TYP=3
	410	PALE	48 C	2213.0	2217.0	5.0	2700.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	2213.0	2216.0	5.0	23000.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	2213.0	2217.0	107.0	2700.0			QL=4 ST=1 TYP=8
	610	PALE	4 S/F	2213.0	2215.0	107.0	490.0			QL=4 ST=1 TYP=3
	245	PALE	48 C	2213.0	2216.0	107.0	23000.0			QL=4 ST=1 TYP=8
	410	PALE	49 GB	2213.0	2215.0	107.0	2000.0			QL=4 ST=1 TYP=6
	245	PALE	49 GB	2213.0	2213.0	107.0	2600.0			QL=4 ST=1 TYP=6
	8800	PALE	8 S	2215.0	2215.0	U	37.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	2215.0	2215.0	105.0	37.0			QL=4 ST=1 TYP=3
	500	HIRA	4 S/F	2251.0	2252.0	5.0	90.0			WR
	200	HIRA	7 C	2251.0	2252.0	4.0	280.0			WR
	410	LEAR	4 S/F	2251.0	2252.0	3.0	310.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	2251.0	2252.0	4.0	12000.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	2251.0	2252.0	1.0	420.0			QL=4 ST=4 TYP=3
	410	PALE	8 S	2251.0	2252.0	1.0	420.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	2251.0	2252.0	2.0	12000.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	2251.0	2252.0	2.0	12000.0			QL=4 ST=4 TYP=6
	410	LEAR	4 S/F	2251.0	2252.0	69.0	310.0			QL=4 ST=1 TYP=3
	245	LEAR	49 GB	2251.0	2252.0	69.0	12000.0			QL=4 ST=1 TYP=6
245	PALE	49 GB	2251.0	2252.0	69.0	12000.0			QL=4 ST=1 TYP=6	
410	PALE	4 S/F	2251.0	2252.0	69.0	420.0			QL=4 ST=1 TYP=3	
17	204	IZMI	44 NS	0600.0E		360.0D		5.0		
	280	CUBA	44 NS	1600.0E		350.0D		14.0		
	235	CUBA	44 NS	1600.0E		350.0D		8.0		
	410	PALE	49 GB	0003.0	0003.0	2.0	940.0			QL=4 ST=2 TYP=6
	610	PALE	4 S/F	0003.0	0005.0	4.0	210.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0004.0	0005.0	2.0	190.0			MR
	410	LEAR	49 GB	0004.0	0005.0	1.0	750.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0004.0	0005.0	1436.0	750.0			QL=4 ST=1 TYP=6
	610	LEAR	8 S	0005.0	0005.0	U	170.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0005.0	0005.0	1435.0	170.0			QL=4 ST=1 TYP=3
	245	LEAR	8 S	0025.0	0026.0	1.0	74.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0025.0	0026.0	1.0	79.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	0037.0	0041.0	8.0	14.0			
	2840	PEKG	5 S	0039.0	0042.0	5.0	19.1			
	200	HIRA	47 GB	0040.0	0041.0	3.0	700.0			0
	500	HIRA	47 GB	0040.0	0042.0	4.0	2290.0			SR
	610	LEAR	49 GB	0040.0	0041.0	2.0	1600.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0040.0	0041.0	2.0	3400.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0040.0	0041.0	4.0	7400.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0040.0	0041.0	1400.0	7400.0			QL=4 ST=1 TYP=6
245	LEAR	49 GB	0040.0	0041.0	1400.0	3400.0			QL=4 ST=1 TYP=6	
610	LEAR	49 GB	0040.0	0041.0	1400.0	1600.0			QL=4 ST=1 TYP=6	
5730	IRKU	4 S/F	0040.7	0042.0	1.9	30.0			U	
4995	LEAR	8 S	0041.0	0041.0	U	27.0			QL=4 ST=2 TYP=3	
1415	LEAR	8 S	0041.0	0041.0	1.0	41.0			QL=4 ST=2 TYP=3	
15400	LEAR	8 S	0041.0	0041.0	1.0	23.0			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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
17	8800	LEAR	8 S	0041.0	0041.0		30.0			QL=4 ST=2 TYP=3
	610	PALE	49 GB	0041.0	0041.0	1.0	2000.0			QL=4 ST=2 TYP=6
	8800	PALE	8 S	0041.0	0041.0	1.0	33.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	0041.0	0041.0	3.0	7800.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	0041.0	0041.0	1.0	3300.0			QL=4 ST=2 TYP=6
	1415	PALE	8 S	0041.0	0041.0	1.0	41.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0041.0	0041.0	1399.0	41.0			QL=4 ST=1 TYP=3
	245	PALE	49 GB	0041.0	0041.0	1399.0	3300.0			QL=4 ST=1 TYP=6
	610	PALE	49 GB	0041.0	0041.0	1399.0	2000.0			QL=4 ST=1 TYP=6
	1415	PALE	4 S/F	0041.0	0041.0	1399.0	41.0			QL=4 ST=1 TYP=3
	410	PALE	49 GB	0041.0	0041.0	1399.0	7800.0			QL=4 ST=1 TYP=6
	8800	PALE	4 S/F	0041.0	0041.0	1399.0	33.0			QL=4 ST=1 TYP=3
	1415	PALE	8 S	0223.0	0224.0	1.0	57.0			QL=4 ST=2 TYP=3
	200	HIRA	7 C	0258.0	0301.0	3.0	300.0			0
	500	HIRA	8 S	0258.0	0258.0	1.0	450.0			SR
	610	LEAR	8 S	0258.0	0258.0		200.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0258.0	0258.0		440.0			QL=4 ST=2 TYP=3
	410	LEAR	49 GB	0258.0	0258.0		1400.0			QL=4 ST=2 TYP=6
	610	PALE	8 S	0258.0	0258.0		200.0			QL=4 ST=2 TYP=3
	410	PALE	49 GB	0258.0	0258.0	1.0	1600.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	0258.0	0258.0		550.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0258.0	0258.0	1262.0	1400.0			QL=4 ST=1 TYP=6
	245	LEAR	4 S/F	0258.0	0258.0	1262.0	440.0			QL=4 ST=1 TYP=3
	610	LEAR	4 S/F	0258.0	0258.0	1262.0	200.0			QL=4 ST=1 TYP=3
	610	PALE	4 S/F	0258.0	0258.0	1262.0	200.0			QL=4 ST=1 TYP=3
	410	PALE	49 GB	0258.0	0258.0	1262.0	1600.0			QL=4 ST=1 TYP=6
	245	PALE	49 GB	0258.0	0258.0	1262.0	550.0			QL=4 ST=1 TYP=6
	610	LEAR	8 S	0300.0	0301.0	1.0	73.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0300.0	0301.0	1.0	110.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0300.0	0301.0	1.0	73.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	0300.0	0301.0	1.0	790.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0301.0	0301.0		650.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	0336.0	0336.0	1.0	460.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0336.0	0336.0	1.0	170.0			QL=4 ST=2 TYP=3
	610	PALE	49 GB	0409.0	0412.0	1191.0	760.0			QL=4 ST=1 TYP=6
	410	PALE	49 GB	0410.0	0412.0	1190.0	1100.0			QL=4 ST=1 TYP=6
	15400	PALE	49 GB	0412.0	0416.0	1188.0	1800.0			QL=4 ST=1 TYP=6
	245	PALE	49 GB	0413.0	0413.0	1187.0	1600.0			QL=4 ST=1 TYP=6
	1415	PALE	4 S/F	0415.0	0415.0	1185.0	52.0			QL=4 ST=1 TYP=3
	410	LEAR	4 S/F	0420.0	0424.0	4.0	68.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0420.0	0423.0	4.0	41.0			QL=4 ST=2 TYP=3
	200	HIRA	7 C	0421.0	0424.0	4.0	80.0			0
	245	LEAR	4 S/F	0421.0	0423.0	3.0	140.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0513.0	0514.0	1.0	75.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0513.0	0513.0		66.0			QL=4 ST=2 TYP=3
	200	HIRA	7 C	0514.0	0516.0	3.0	260.0			MR
	500	HIRA	8 S	0515.0	0516.0	1.0	150.0			WR
	610	SVTO	8 S	0515.0	0516.0	1.0	250.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0515.0	0516.0	1.0	930.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0516.0	0516.0		870.0			QL=4 ST=2 TYP=6
610	LEAR	8 S	0516.0	0516.0		250.0			QL=4 ST=2 TYP=3	
410	LEAR	49 GB	0516.0	0516.0		510.0			QL=4 ST=2 TYP=6	
410	SVTO	49 GB	0516.0	0516.0		590.0			QL=4 ST=2 TYP=6	
5730	IRKU	4 S/F	0530.0	0536.0	12.5	56.0			U	
2840	PEKG	5 S	0533.0	0536.0	6.0	10.1				
410	LEAR	8 S	0839.0	0839.0	1.0	87.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	0839.0	0839.0	1.0	93.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0844.0	0844.4	21.0	35.0				
204	IZMI	42 SER	0922.9	0926.4	3.7	166.0				
410	LEAR	8 S	0926.0	0926.0		81.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	0926.0	0926.0		100.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0926.0	0926.0		88.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	0926.0	0926.0		99.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	1114.2	1114.6	0.5	50.0				
6700	CUBA	2 S/F	1820.4	1821.0	3.6	12.0	6.0		25R	
2800	PENT	42 SER	2040.0	2058.0	62.0	14.0				
245	LEAR	4 S/F	2258.0	2301.0	3.0	95.0			QL=4 ST=2 TYP=3	
18	280	CUBA	44 NS	1740.0E		250.0D		14.0		

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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
18	235	CUBA	44 NS	1740.0E		250.0D		9.0		
	2840	PEKG	5 S	0113.0	0115.5	5.0	16.4			
	4995	LEAR	20 GRF	0115.0	0115.0	U	22.0			QL=4 ST=2 TYP=2
	245	LEAR	8 S	0217.0	0217.0	1.0	67.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0246.0	0246.0	1.0	56.0			QL=4 ST=2 TYP=3
	4995	LEAR	20 GRF	0408.0	0414.0	37.0	10.0			QL=4 ST=3 TYP=2
	4995	LEAR	20 GRF	0408.0	0414.0	37.0	1.0			QL=4 ST=2 TYP=2
	8800	LEAR	20 GRF	0408.0	0415.0	47.0	4.0			QL=4 ST=2 TYP=2
	8800	LEAR	20 GRF	0408.0	0415.0	47.0	36.0			QL=4 ST=3 TYP=2
	2840	PEKG	5 S	0526.0	0529.9	6.0	16.1			
	500	HIRA	8 S	0528.0	0529.0	2.0	320.0			WL
	610	LEAR	8 S	0528.0	0528.0	1.0	66.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0528.0	0528.0	U	55.0			QL=4 ST=2 TYP=3
	410	LEAR	49 GB	0529.0	0529.0	U	620.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	0529.0	0529.0	1.0	320.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0529.0	0529.0	1.0	20.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0554.0	0554.0	2.0	23.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0554.0	0554.0	2.0	92.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	0809.4	0818.2	14.2	12.0	5.0		
	2800	PENT	29 PBI	1848.0	1858.0	44.0U	13.0			
	2800	PENT	22 GRF	2040.0	2055.0	90.0	11.0			
	8800	LEAR	20 GRF	2341.0	2350.0	14.0	45.0			QL=4 ST=2 TYP=2
	4995	LEAR	20 GRF	2341.0	2350.0	11.0	34.0			QL=4 ST=2 TYP=2
15400	LEAR	20 GRF	2346.0	2352.0	6.0	12.0			QL=4 ST=2 TYP=2	
2695	LEAR	20 GRF	2346.0	2353.0	7.0	13.0			QL=4 ST=2 TYP=2	
19	204	IZMI	43 NS	0930.0		150.0D		5.0		
	280	CUBA	44 NS	1300.0E		530.0D		15.0		
	235	CUBA	44 NS	1300.0E		530.0D		8.0		
	245	LEAR	49 GB	0006.0	0006.0	1.0	2000.0			QL=4 ST=2 TYP=6
	245	PALE	49 GB	0006.0	0006.0	1.0	1800.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0006.0	0006.0	1434.0	2000.0			QL=4 ST=1 TYP=6
	2840	PEKG	45 C	0806.0	0811.9	33.0	363.0			
	3000	IZMI	46 C	0806.5	0811.8	23.7	376.0	115.0		
	2695	SVTO	4 S/F	0807.0	0811.0	28.0	350.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0807.0	0811.0	953.0	350.0			QL=4 ST=1 TYP=3
	245	SVTO	4 S/F	0808.0	0813.0	19.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0808.0	0811.0	21.0	360.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0808.0	0811.0	25.0	480.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0808.0	0811.0	27.0	210.0			QL=4 ST=2 TYP=3
	4995	LEAR	49 GB	0808.0	0811.0	33.0	530.0			QL=4 ST=2 TYP=6
	8800	SVTO	4 S/F	0808.0	0811.0	36.0	260.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0808.0	0811.0	952.0	360.0			QL=4 ST=1 TYP=3
	4995	LEAR	49 GB	0808.0	0811.0	952.0	530.0			QL=4 ST=1 TYP=6
	4995	SVTO	4 S/F	0808.0	0811.0	952.0	480.0			QL=4 ST=1 TYP=3
	8800	SVTO	4 S/F	0808.0	0811.0	952.0	260.0			QL=4 ST=1 TYP=3
	245	SVTO	4 S/F	0808.0	0813.0	952.0	120.0			QL=4 ST=1 TYP=3
	1415	SVTO	4 S/F	0808.0	0811.0	952.0	210.0			QL=4 ST=1 TYP=3
	204	IZMI	46 C	0808.8	0814.3	26.2	261.0			
	410	LEAR	4 S/F	0809.0	0811.0	12.0	94.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0809.0	0812.0	12.0	75.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0809.0	0811.0	16.0	68.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0809.0	0811.0	20.0	210.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0809.0	0811.0	32.0	300.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0809.0	0811.0	38.0	140.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0809.0	0811.0	38.0	1400.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0809.0	0811.0	951.0	210.0			QL=4 ST=1 TYP=3
	8800	LEAR	4 S/F	0809.0	0811.0	951.0	300.0			QL=4 ST=1 TYP=3
	410	LEAR	4 S/F	0809.0	0811.0	951.0	94.0			QL=4 ST=1 TYP=3
410	SVTO	4 S/F	0809.0	0811.0	951.0	68.0			QL=4 ST=1 TYP=3	
15400	SVTO	4 S/F	0809.0	0811.0	951.0	1400.0			QL=4 ST=1 TYP=3	
610	SVTO	4 S/F	0809.0	0812.0	951.0	75.0			QL=4 ST=1 TYP=3	
610	LEAR	20 GRF	0810.0	0812.0	9.0	130.0			QL=4 ST=2 TYP=2	
15400	LEAR	20 GRF	0810.0	0811.0	30.0	140.0			QL=4 ST=2 TYP=2	
15400	LEAR	4 S/F	0810.0	0811.0	950.0	140.0			QL=4 ST=1 TYP=3	
245	LEAR	4 S/F	0811.0	0813.0	13.0	160.0			QL=4 ST=2 TYP=3	
33	UPIC	48 C	0811.5	0813.0U	14.5					
3000	IZMI	29 PBI	0847.5U	0905.2	36.5U	11.0				
204	IZMI	42 SER	1120.8	1120.9	1.6	69.0				

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
19	9500	CUBA	1 S	1333.3	1334.0	1.5	12.0	6.0		
	2800	PENT	1 S	1511.0	1517.0	12.0	18.0			
	6700	CUBA	21 GRF	1600.0	1614.0	33.0	20.0	10.0		7R
	6700	CUBA	1 S	1602.0	1602.8	1.0	20.0	10.0		26R
	9500	CUBA	1 S	1602.4	1602.9	1.0	48.0	24.0		
	6700	CUBA	20 GRF	1737.0	1807.0	76.0	16.0	8.0		00L
	9500	CUBA	1 S	1910.0	1910.8	2.0	9.0	4.0		
	6700	CUBA	1 S	1910.0	1910.8	1.7	9.0	4.0		26L
	6700	CUBA	21 GRF	1943.0	2011.0	77.0D	14.0	7.0		10L
	6700	CUBA	2 S/F	2036.0	2037.6	2.8	14.0	7.0		22R
	6700	CUBA	2 S/F	2057.8	2058.0	2.2D	58.0	29.0		35L
	2800	PENT	1 S	2154.0	2157.0	6.0	5.0			
	9500	CUBA	2 S/F	2157.0	2158.1	3.0D	71.0			
	410	PALE	8 S	2308.0	2308.0	U	240.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	2312.0	2315.0	4.0	66.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	2345.0	2345.0	1.0	65.0			QL=4 ST=2 TYP=3
245	PALE	8 S	2345.0	2346.0	1.0	55.0			QL=4 ST=2 TYP=3	
20	245	LEAR	43 NS	0002.0	0045.0	123.0	56.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0002.0	0002.0	1438.0	52.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		20.0		
	127	TORN	44 NS	0620.0E		520.0D		2.0		V=2
	235	CUBA	44 NS	1300.0E		530.0D		9.0		
	280	CUBA	44 NS	1300.0E		530.0D		16.0		
	410	PALE	8 S	0056.0	0056.0	2.0	45.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0056.0	0057.0	1.0	61.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0108.0	0108.0	U	60.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0108.0	0108.0	U	49.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0108.0	0108.0	1.0	66.0			QL=4 ST=3 TYP=3
	4995	PALE	8 S	0108.0	0108.0	1.0	58.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0108.0	0108.0	1.0	66.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0108.0	0108.0	1.0	58.0			QL=4 ST=3 TYP=3
	2840	PEKG	5 S	0514.0	0515.5	4.0	16.3			
	127	TORN	46 C	0823.1	0826.5	6.5	700.0	20.0		
	127	TORN	2 S/F	0854.4	0855.2	1.0	200.0	10.0		
	3000	IZMI	22 GRF	0950.6	0951.9	7.6	12.0	3.0		
	15400	SVTO	8 S	1053.0	1053.0	1.0	74.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1053.0	1054.0	3.0	120.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1327.2	1329.0	3.8	10.0	5.0		
	9500	CUBA	2 S/F	1440.3	1442.0	3.7	19.0	9.0		
	6700	CUBA	2 S/F	1441.0	1442.0	5.0	15.0	7.0		22R
	2800	PENT	40 F	1455.0	1521.0	79.0	29.0			
	6700	CUBA	1 S	1520.8	1521.0	1.3	10.0	5.0		52L
	6700	CUBA	2 S/F	1530.3	1531.0	1.9	11.0	5.0		48L
	2695	SGMR	4 S/F	1537.0	1538.0	3.0	28.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1537.0	1538.0	3.0	22.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1537.0	1538.0	3.0	82.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1537.0	1539.0	3.0	24.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1537.0	1538.0	3.0	28.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1537.0	1538.0	3.0	20.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1537.0	1537.0	3.0	51.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	1537.0	1538.0	3.0	50.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	1537.0	1538.0	6.0	70.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1537.0	1537.0	1.0	29.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1538.0	1538.0	U	27.0			QL=4 ST=2 TYP=3
	1415	SVTO	48 C	1544.0	1551.0	14.0	120.0			QL=4 ST=2 TYP=8
	610	SVTO	48 C	1547.0	1600.0	17.0	230.0			QL=4 ST=2 TYP=8
	610	SGMR	48 C	1549.0	1600.0	19.0	290.0			QL=4 ST=2 TYP=8
	1415	SGMR	4 S/F	1550.0	1551.0	15.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1551.0	1551.0	U	33.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1600.0	1600.0	1.0	29.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	1832.0	1839.0	56.0	41.0			
	245	SGMR	8 S	1839.0	1840.0	2.0	60.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1839.0	1839.0	2.0	92.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1839.0	1839.0	2.0	28.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1839.0	1840.0	2.0	49.0			QL=4 ST=2 TYP=3
	610	SGMR	48 C	1852.0	1858.0	10.0	150.0			QL=4 ST=2 TYP=8
	410	SGMR	4 S/F	1858.0	1859.0	4.0	56.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	2200.0	2203.0	7.0	7.0			

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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 -22 W/m 2 Hz)	Mean	Int	Remarks
20	200	HIRA	8 S	2228.0	2229.0	1.0	170.0		0	
	500	HIRA	8 S	2251.0	2252.0	2.0	40.0		0	
21	127	TORN	44 NS	0620.0E		520.0D		2.0		V=1,DISTURBED
	204	IZMI	43 NS	0916.0		60.0		5.0		
	280	CUBA	44 NS	1420.0E		450.0D		11.0		
	245	LEAR	43 NS	2317.0	2318.0	41.0	52.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2317.0	2318.0	43.0	52.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	2318.0	2328.0	13.0	92.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	2318.0	2322.0	30.0	140.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2318.0	2328.0	42.0	92.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	2318.0	2322.0	42.0	140.0			QL=4 ST=1 TYP=1
	410	LEAR	43 NS	2319.0	2321.0	41.0	88.0			QL=4 ST=1 TYP=1
	410	LEAR	43 NS	2319.0	2321.0	69.0	88.0			QL=4 ST=2 TYP=1
	2840	PEKG	1 S	0132.0	0134.7	5.0	6.4			
	500	HIRA	42 SER	0425.0	0429.0	21.0	40.0			WL
	500	HIRA	7 C	0615.0	0616.0	5.0	110.0			ML
	410	SVTO	8 S	0615.0	0616.0	1.0	63.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0647.0	0647.0	U	64.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0648.0	0649.0	1.0	80.0			ML
	204	IZMI	42 SER	0740.7	0741.2	0.7	23.0			
	410	SVTO	8 S	0854.0	0854.0	U	80.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	1014.1	1014.4	30.7	11.0	4.0		
	204	IZMI	7 C	1046.9	1046.9	0.1	31.0			
	410	SVTO	8 S	1321.0	1322.0	1.0	57.0			QL=4 ST=2 TYP=3
	6700	CUBA	23 GRF	1446.0E	1446.0	44.0D	30.0	15.0		10L
	6700	CUBA	23 GRF	1656.0	1755.0	116.0	20.0	10.0		14L
	410	SGMR	4 S/F	1735.0	1736.0	3.0	80.0			QL=4 ST=2 TYP=3
	280	CUBA	27 RF	1735.0	2009.0	254.3	12.0			
	410	PALE	8 S	1736.0	1736.0	U	85.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	1736.0	1736.0	U	36.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1736.0	1736.0	2.0	39.0			QL=4 ST=2 TYP=3
	2800	PENT	40 F	1738.0	1753.0	60.0	23.0			
	610	PALE	8 S	1755.0	1755.0	1.0	120.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1755.0	1755.0	2.0	130.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1814.0	1814.0	U	48.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1814.0	1814.0	U	220.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1814.0	1814.0	1.0	180.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1815.0	1816.0	2.0	56.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1824.0	1825.0	3.0	89.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1825.0	1825.0	2.0	220.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1825.0	1825.0	2.0	48.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1825.0	1825.0	2.0	230.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1825.0	1825.0	2.0	58.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	1826.0	1831.0	7.0	2100.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	1840.0	1840.0	U	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1840.0	1840.0	1.0	49.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1840.0	1840.0	1.0	100.0			QL=4 ST=4 TYP=3
	245	SGMR	8 S	1840.0	1840.0	1.0	49.0			QL=4 ST=4 TYP=3
	410	SGMR	8 S	1840.0	1840.0	1.0	100.0			QL=4 ST=2 TYP=3
410	SGMR	8 S	1933.0	1933.0	2.0	120.0			QL=4 ST=2 TYP=3	
410	PALE	8 S	1935.0	1935.0	1.0	1.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2005.0	2005.0	1.0	150.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	2005.0	2005.0	1.0	130.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	2008.0	2008.0	1.0	56.0			QL=4 ST=2 TYP=3	
9500	CUBA	2 S/F	2017.3	2018.1	1.1	33.0	16.0			
6700	CUBA	1 S	2017.5	2018.2	0.9	41.0	20.0		19L	
2800	PENT	41 F	2129.0	2134.0	45.0	15.0				
410	SGMR	8 S	2130.0	2130.0	1.0	83.0			QL=4 ST=2 TYP=3	
280	CUBA	7 C	2131.0	2134.8	4.0	313.0				
410	SGMR	8 S	2132.0	2132.0	U	120.0			QL=4 ST=2 TYP=3	
9500	CUBA	2 S/F	2133.2	2134.3	2.0	18.0	9.0			
6700	CUBA	1 S	2133.8	2134.4	1.0	14.0	7.0		21L	
500	HIRA	8 S	2134.0	2134.0	1.0	120.0			0	
200	HIRA	8 S	2134.0	2134.0	1.0	160.0			0	
245	SGMR	8 S	2134.0	2134.0	2.0	91.0			QL=4 ST=2 TYP=3	
410	SGMR	49 GB	2134.0	2134.0	2.0	670.0			QL=4 ST=2 TYP=6	
200	HIRA	8 S	2234.0	2235.0	1.0	80.0			ML	
200	HIRA	8 S	2303.0	2304.0	1.0	40.0			WL	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
21	500	HIRA	8 S	2306.0	2306.0	1.0	200.0			ML	
	[610	PALE	4 S/F	2318.0	2319.0	8.0	75.0			QL=4 ST=2 TYP=3
		610	LEAR	8 S	2319.0	2319.0		72.0	U		QL=4 ST=2 TYP=3
		200	HIRA	8 S	2329.0	2329.0	1.0	70.0			WR
22	410	PALE	43 NS	0148.0	0152.0	53.0	110.0			QL=4 ST=2 TYP=1	
	245	PALE	43 NS	0148.0	0154.0	59.0	90.0			QL=4 ST=2 TYP=1	
	410	PALE	43 NS	0148.0	0152.0	1332.0	110.0			QL=4 ST=1 TYP=1	
	245	PALE	43 NS	0148.0	0154.0	1332.0	90.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	0153.0	0513.0	347.0	380.0			QL=4 ST=2 TYP=1	
	410	LEAR	43 NS	0153.0	0824.0	489.0	260.0			QL=4 ST=3 TYP=1	
	410	LEAR	43 NS	0153.0	0500.0	1327.0	230.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	0153.0	0246.0	1327.0	160.0			QL=4 ST=1 TYP=1	
	410	LEAR	43 NS	0153.0	0824.0	1327.0	260.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	0153.0	0156.0	1327.0	92.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	0153.0	0513.0	1327.0	380.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	0153.0	0413.0	1327.0	180.0			QL=4 ST=1 TYP=1	
	410	LEAR	43 NS	0153.0	0205.0	1327.0	150.0			QL=4 ST=1 TYP=1	
	410	LEAR	43 NS	0153.0	0205.0	1327.0	150.0			QL=4 ST=1 TYP=1	
	410	LEAR	43 NS	0153.0	0203.0	1327.0	66.0			QL=4 ST=1 TYP=1	
	610	LEAR	43 NS	0442.0	0458.0	178.0	100.0			QL=4 ST=2 TYP=1	
	610	LEAR	43 NS	0442.0	0450.0	1158.0	64.0			QL=4 ST=1 TYP=1	
	610	LEAR	43 NS	0442.0	0458.0	1158.0	100.0			QL=4 ST=1 TYP=1	
	610	SVTO	43 NS	0529.0	0530.0	9.0	61.0			QL=4 ST=2 TYP=1	
	410	SVTO	43 NS	0529.0	0531.0	14.0	64.0			QL=4 ST=2 TYP=1	
	410	SVTO	43 NS	0529.0	0531.0	1111.0	64.0			QL=4 ST=1 TYP=1	
	610	SVTO	43 NS	0529.0	0530.0	1111.0	61.0			QL=4 ST=1 TYP=1	
	245	SVTO	43 NS	0530.0	0555.0	45.0	130.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	0530.0	0531.0	1110.0	95.0			QL=4 ST=1 TYP=1	
	204	IZMI	44 NS	0600.OE		360.0D			15.0		
	410	LEAR	43 NS	0735.0	0736.0	148.0	140.0				QL=4 ST=2 TYP=1
	410	LEAR	43 NS	0735.0	0736.0	985.0	140.0				QL=4 ST=1 TYP=1
	410	SVTO	43 NS	0745.0	0951.0	207.0	570.0				QL=4 ST=2 TYP=1
	410	SVTO	43 NS	0745.0	0819.0	975.0	98.0				QL=4 ST=1 TYP=1
	33	UPIC	43 NS	0843.0		288.5					
	127	TORN	44 NS	1250.OE		130.0D			10.0		V=1,DISTURBED
	235	CUBA	44 NS	1300.OE		530.0D			23.0		
	280	CUBA	44 NS	1300.OE		530.0D			31.0		
	245	SGMR	43 NS	1301.0	1542.0	537.0	310.0				QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1301.0	1542.0	659.0	310.0				QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1301.0	1307.0	659.0	73.0				QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1301.0	1542.0	659.0	310.0				QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1301.0	1442.0	659.0	290.0				QL=4 ST=1 TYP=1
	245	SVTO	43 NS	1350.0	1348.0	155.0	220.0				QL=4 ST=2 TYP=1
	245	SVTO	43 NS	1350.0	1348.0	610.0	90.0				QL=4 ST=1 TYP=1
	410	SGMR	43 NS	1542.0	1552.0	46.0	110.0				QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1542.0	1543.0	498.0	97.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1637.0	1747.0	443.0	180.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1637.0	0000.0	443.0	110.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1637.0	0159.0	443.0	580.0				QL=4 ST=1 TYP=1
	245	PALE	43 NS	1637.0	0159.0	660.0	580.0				QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1750.0	1757.0	124.0	140.0				QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1750.0	1757.0	370.0	140.0				QL=4 ST=1 TYP=1
	410	PALE	43 NS	1757.0	1958.0	121.0	110.0				QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2229.0	0159.0	694.0	520.0				QL=4 ST=2 TYP=1
	245	LEAR	44 NS	2229.OE	0159.OU	91.0D	520.0				QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2229.OE	2246.OU	91.0D	140.0				QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2229.OE	0128.OU	91.0D	450.0				QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2229.OE	2313.OU	91.0D	200.0				QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2229.OE	2242.OU	91.0D	120.0				QL=4 ST=1 TYP=1
	245	LEAR	44 NS	2229.OE	0159.OU	91.0D	520.0				QL=4 ST=1 TYP=1
	410	PALE	43 NS	2243.0	2247.0	77.0	62.0				QL=4 ST=1 TYP=1
410	PALE	43 NS	2243.0	2252.0	77.0	82.0				QL=4 ST=1 TYP=1	
410	PALE	43 NS	2243.0	2252.0	280.0	82.0				QL=4 ST=2 TYP=1	
200	HIRA	8 S	0126.0	0127.0	1.0	30.0				ML	
410	LEAR		0153.0	0824.0	489.0	260.0				QL=4 ST=3 TYP=/	
500	HIRA	8 S	0206.0	0206.0	1.0	70.0				WR	
2840	PEKG	1 S	0232.0	0235.5	5.0	4.7					
200	HIRA	42 SER	0241.0	0247.0	7.0	70.0				0	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
22	200	HIRA	42 SER	0413.0	0421.0	10.0	70.0			
	2840	PEKG	5 S	0413.0	0416.1	8.0	45.1			
	4995	LEAR	8 S	0415.0	0416.0	1.0	31.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0415.0	0416.0	1.0	38.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0415.0	0416.0	1.0	32.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0415.0	0415.0	1.0	32.0			QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0438.0	0513.0	72.0	180.0			
	500	HIRA	7 C	0442.0	0442.0	2.0	70.0			
	410	SVTO	4 S/F	0452.0	0456.0U	8.0	230.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0452.0	0500.0U	10.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0453.0	0457.0U	4.0	88.0			QL=4 ST=2 TYP=3
	2840	PEKG	1 S	0535.0	0538.2	6.0	5.4			
	204	IZMI	7 C	0647.1	0647.2	0.1	53.0			
	204	IZMI	42 SER	0704.2	0706.5	24.7	120.0			
	200	HIRA	4 S/F	0705.0	0706.0	2.0	40.0			
	245	SVTO	8 S	0705.0	0706.0	1.0	70.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0838.0	0838.0	1.0	62.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0839.0	0839.0	1.0	29.0			QL=4 ST=2 TYP=3
	3000	IZMI	46 C	0916.7	0951.0	83.2	327.0			
	204	IZMI	46 C	0926.6	0935.0	73.8	4585.0			
	410	SVTO	4 S/F	0928.0	0935.0	8.0	260.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0928.0	0935.0	8.0	1800.0			QL=4 ST=3 TYP=6
	245	SVTO	49 GB	0928.0	0935.0	8.0	1800.0			QL=4 ST=2 TYP=6
	410	SVTO	4 S/F	0928.0	0935.0	8.0	260.0			QL=4 ST=3 TYP=3
	610	SVTO	4 S/F	0928.0	0937.0	10.0	100.0			QL=4 ST=3 TYP=3
	610	SVTO	4 S/F	0928.0	0937.0	10.0	45.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	0928.0	0938.0	68.0	99.0			QL=4 ST=2 TYP=8
	610	SVTO	4 S/F	0928.0	0937.0	68.0	100.0			QL=4 ST=3 TYP=3
	245	SVTO	48 C	0928.0	0935.0	71.0	1800.0			QL=4 ST=2 TYP=8
	245	SVTO	49 GB	0928.0	1035.0	71.0	1800.0			QL=4 ST=3 TYP=6
	245	SVTO	48 C	0928.0	0935.0	872.0	1800.0			QL=4 ST=1 TYP=8
	610	SVTO	48 C	0928.0	0938.0	872.0	99.0			QL=4 ST=1 TYP=8
	610	SVTO	4 S/F	0928.0	0930.0	872.0	32.0			QL=4 ST=1 TYP=3
	2695	SVTO	4 S/F	0929.0	0935.0	7.0	14.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0929.0	0935.0	7.0	22.0			QL=4 ST=3 TYP=3
	1415	SVTO	4 S/F	0929.0	0935.0	7.0	44.0			QL=4 ST=3 TYP=3
	1415	SVTO	4 S/F	0929.0	0935.0	7.0	13.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0930.0	0935.0	6.0	1600.0			QL=4 ST=2 TYP=6
	4995	SVTO	4 S/F	0931.0	0935.0	5.0	17.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0931.0	0935.0	5.0	40.0			QL=4 ST=3 TYP=3
	410	SVTO	8 S	0934.0	0935.0	2.0	270.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0934.0	0935.0	866.0	270.0			QL=4 ST=1 TYP=3
	2840	PEKG	5 S	0947.0	0950.8	5.0	217.9			
	8800	LEAR	4 S/F	0948.0	0950.0	4.0	380.0			QL=4 ST=4 TYP=3
	410	LEAR	4 S/F	0948.0	0952.0	5.0	350.0			QL=4 ST=4 TYP=3
	2695	LEAR	4 S/F	0948.0	0951.0	8.0	290.0			QL=4 ST=4 TYP=3
	610	LEAR	4 S/F	0948.0	0950.0	8.0	290.0			QL=4 ST=4 TYP=3
	4995	LEAR	4 S/F	0948.0	0950.0	5.0	290.0			QL=4 ST=4 TYP=3
	15400	LEAR	4 S/F	0948.0	0950.0	4.0	460.0			QL=4 ST=4 TYP=3
	1415	LEAR	4 S/F	0948.0	0951.0	8.0	300.0			QL=4 ST=4 TYP=3
	245	LEAR	48 C	0949.0	0957.0	851.0	420.0			QL=4 ST=1 TYP=8
	245	LEAR	4 S/F	0949.0	0950.0	851.0	390.0			QL=4 ST=1 TYP=3
	245	LEAR	4 S/F	0950.0	0957.0	8.0	270.0			QL=4 ST=4 TYP=3
	15400	SVTO	49 GB	0950.0	0950.0	5.0	530.0			QL=4 ST=2 TYP=6
	8800	SVTO	49 GB	0950.0	0950.0	5.0	680.0			QL=4 ST=2 TYP=6
	15400	LEAR	4 S/F	0950.0	0950.0	850.0	390.0			QL=4 ST=1 TYP=3
	2695	LEAR	4 S/F	0950.0	0951.0	850.0	270.0			QL=4 ST=1 TYP=3
	8800	LEAR	4 S/F	0950.0	0950.0	850.0	290.0			QL=4 ST=1 TYP=3
	410	LEAR	4 S/F	0950.0	0950.0	850.0	440.0			QL=4 ST=1 TYP=3
	1415	LEAR	4 S/F	0950.0	0951.0	850.0	290.0			QL=4 ST=1 TYP=3
	4995	LEAR	4 S/F	0950.0	0950.0	850.0	250.0			QL=4 ST=1 TYP=3
	610	LEAR	4 S/F	0950.0	0950.0	850.0	290.0			QL=4 ST=1 TYP=3
	8800	SVTO	49 GB	0950.0	0950.0	850.0	680.0			QL=4 ST=1 TYP=6
	15400	SVTO	49 GB	0950.0	0950.0	850.0	530.0			QL=4 ST=1 TYP=6
	610	SVTO	20 GRF	1029.0	1032.0	28.0	150.0			QL=4 ST=2 TYP=2
	610	SVTO	4 S/F	1029.0	1030.0	811.0	150.0			QL=4 ST=1 TYP=3
	610	SVTO	4 S/F	1029.0	1030.0	811.0	150.0			QL=4 ST=4 TYP=3
	245	SVTO	4 S/F	1032.0	1032.0	27.0	72.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1035.0	1035.0	24.0	27.0			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

SEPTEMBER 2000

Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
22	8800 SVTO	4 S/F	1035.0	1035.0	24.0	27.0			QL=4 ST=2 TYP=3
	410 SVTO	4 S/F	1039.0	1039.0	20.0	120.0			QL=4 ST=2 TYP=3
	1415 SVTO	8 S	1044.0	1044.0	1.0	33.0			QL=4 ST=2 TYP=3
	410 SGMR	4 S/F	1054.0	1101.0	8.0	95.0			QL=2 ST=2 TYP=3
	245 SGMR	4 S/F	1234.0	1235.0	5.0	73.0			QL=4 ST=2 TYP=3
	245 SVTO	4 S/F	1234.0	1235.0	3.0	68.0			QL=4 ST=2 TYP=3
	410 SGMR	8 S	1235.0	1235.0	1.0	55.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	1235.0	1235.0	1.0	66.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	1244.0	1244.0		93.0			QL=4 ST=2 TYP=3
	9500 CUBA	20 GRF	1300.0	1322.0	54.0	18.0	9.0		
	4995 SVTO	20 GRF	1314.0	1320.0	26.0	35.0			QL=4 ST=2 TYP=2
	410 SVTO	4 S/F	1318.0	1319.0	22.0	60.0			QL=4 ST=2 TYP=3
	245 SVTO	48 C	1321.0	1337.0	19.0	210.0			QL=4 ST=2 TYP=8
	8800 SVTO	4 S/F	1322.0	1322.0	18.0	25.0			QL=4 ST=2 TYP=3
	410 SVTO	4 S/F	1340.0	1343.0	3.0	88.0			QL=4 ST=2 TYP=3
	245 SVTO	4 S/F	1340.0	1341.0	8.0	130.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	1346.0	1346.0		48.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	1352.0	1352.0	1.0	72.0			QL=4 ST=2 TYP=3
	6700 CUBA	21 GRF	1430.0E	1430.0	42.0D	18.0	9.0		48L
	6700 CUBA	2 S/F	1448.0	1449.0	5.8	7.0	3.0		36L
	9500 CUBA	1 S	1459.2	1459.6	0.8	15.0	7.0		
	2800 PENT	42 SER	1526.0	1534.0	63.0	21.0			
	8800 SGMR	8 S	1534.0	1534.0	2.0	130.0			QL=4 ST=2 TYP=3
	245 SGMR	49 GB	1534.0	1534.0	2.0	4700.0			QL=4 ST=2 TYP=6
	610 SGMR	8 S	1534.0	1534.0	2.0	82.0			QL=4 ST=2 TYP=3
	4995 SGMR	8 S	1534.0	1534.0	2.0	47.0			QL=4 ST=2 TYP=3
	410 SGMR	8 S	1534.0	1534.0	2.0	110.0			QL=4 ST=2 TYP=3
	15400 SGMR	8 S	1534.0	1534.0	2.0	68.0			QL=4 ST=2 TYP=3
	2695 SVTO	8 S	1534.0	1534.0	1.0	30.0			QL=4 ST=2 TYP=3
	245 SVTO	49 GB	1534.0	1534.0	1.0	4000.0			QL=4 ST=2 TYP=6
	4995 SVTO	8 S	1534.0	1534.0	1.0	48.0			QL=4 ST=2 TYP=3
	8800 SVTO	8 S	1534.0	1534.0	1.0	120.0			QL=4 ST=2 TYP=3
	15400 SVTO	8 S	1534.0	1534.0	1.0	51.0			QL=4 ST=2 TYP=3
	610 SVTO	8 S	1534.0	1534.0	1.0	51.0			QL=4 ST=2 TYP=3
	410 SVTO	20 GRF	1534.0	1534.0	12.0	150.0			QL=4 ST=2 TYP=2
	235 CUBA	49 GB	1534.0	1535.0	45.6	6891.0			
	280 CUBA	49 GB	1534.0	1535.0	45.6	4334.0			
	6700 CUBA	21 GRF	1534.0	1610.0	101.0	24.0	12.0		27L
	8800 SVTO	4 S/F	1534.0	1534.0	506.0	120.0			QL=4 ST=1 TYP=3
	15400 SVTO	4 S/F	1534.0	1534.0	506.0	51.0			QL=4 ST=1 TYP=3
	4995 SVTO	4 S/F	1534.0	1534.0	506.0	48.0			QL=4 ST=1 TYP=3
	410 SVTO	4 S/F	1534.0	1534.0	506.0	150.0			QL=4 ST=1 TYP=3
	610 SVTO	4 S/F	1534.0	1534.0	506.0	51.0			QL=4 ST=1 TYP=3
	245 SVTO	49 GB	1534.0	1534.0	506.0	4000.0			QL=4 ST=1 TYP=6
	9500 CUBA	3 S	1534.0	1534.8	2.3	100.0	50.0		
	6700 CUBA	3 S	1534.2	1534.7	2.8	91.0	45.0		16L
	410 SVTO	20 GRF	1546.0	1555.0	13.0	120.0			QL=4 ST=2 TYP=2
	4995 SVTO	8 S	1555.0	1555.0		25.0			QL=4 ST=2 TYP=3
	8800 SVTO	8 S	1555.0	1555.0		27.0			QL=4 ST=2 TYP=3
	410 SVTO	4 S/F	1559.0	1559.0	6.0	65.0			QL=4 ST=2 TYP=3
	410 SVTO	4 S/F	1559.0	1559.0	481.0	65.0			QL=4 ST=1 TYP=3
	9500 CUBA	21 GRF	1602.0	1637.0	58.0	11.0	5.0		
	8800 SVTO	8 S	1603.0	1603.0		23.0			QL=4 ST=2 TYP=3
	9500 CUBA	1 S	1634.0	1634.3	1.2	29.0	14.0		
	6700 CUBA	1 S	1634.0	1634.4	1.4	18.0	9.0		00L
	6700 CUBA	22 GRF	1723.0	1751.0	55.0	19.0	9.0		26L
	235 CUBA	27 RF	1736.0	1803.0	57.0	110.0			
	280 CUBA	27 RF	1736.0	1803.0	57.0	150.0			
	245 PALE	49 GB	1802.0	1802.0	1.0	670.0			QL=4 ST=2 TYP=6
	410 PALE	49 GB	1802.0	1802.0	1.0	1300.0			QL=4 ST=2 TYP=6
	245 SGMR	49 GB	1802.0	1802.0	2.0	650.0			QL=4 ST=2 TYP=6
	410 SGMR	49 GB	1802.0	1802.0	2.0	1100.0			QL=4 ST=2 TYP=6
	245 SGMR	49 GB	1837.0	1838.0	1.0	830.0			QL=4 ST=2 TYP=6
	235 CUBA	7 C	1837.3	1838.0	1.5	5597.0			
	280 CUBA	7 C	1837.3	1838.0	1.5	3931.0			
	9500 CUBA	45 C	1837.7	1841.0	7.3	70.0			
	245 PALE	49 GB	1838.0	1838.0		1000.0			QL=4 ST=2 TYP=6
	6700 CUBA	42 SER	1838.0D	1859.3	31.0D	81.0	40.0		11L
	15400 PALE	8 S	1841.0	1841.0		70.0			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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
22	15400	SGMR	8 S	1841.0	1841.0	U	69.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1841.0	1841.0	U	80.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1856.2	1859.2	9.8	41.0	20.0		
	8800	PALE	8 S	1859.0	1859.0	U	56.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1859.0	1859.0	2.0	53.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1948.0	1948.6	1.0	15.0	7.0		00L
	9500	CUBA	2 S/F	1948.0	1948.7	1.6	18.0	9.0		
	9500	CUBA	2 S/F	2008.0	2009.2	2.1	19.0	9.0		
	6700	CUBA	2 S/F	2008.0	2009.3	4.0	21.0	10.0		17L
	2800	PENT	21 GRF	2055.0	2106.0	71.0	19.0			
	9500	CUBA	2 S/F	2102.0	2103.9	6.0	36.0	18.0		
	6700	CUBA	2 S/F	2105.0	2105.0	4.3	18.0	9.0		34L
	410	PALE	8 S	2223.0	2224.0	1.0	62.0			QL=4 ST=2 TYP=3
	200	HIRA	8 S	2250.0	2250.0	1.0	50.0			WL
	2800	PENT	3 S	2342.0	2347.0	12.0	16.0			
2840	PEKG	5 S	2345.0	2348.1	8.0	14.4				
23	410	LEAR	43 NS	0059.0	0100.0	138.0	57.0			QL=4 ST=2 TYP=1
	410	LEAR	43 NS	0059.0	0100.0	1381.0	57.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0458.0	0504.0U	1142.0	92.0			QL=2 ST=1 TYP=1
	245	SVTO	43 NS	0558.0	0851.0	626.0	570.0			QL=2 ST=2 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		60.0		
	410	SVTO	43 NS	0615.0	0623.0	1065.0	83.0			QL=2 ST=1 TYP=1
	127	TORN	44 NS	0620.0E		520.0D		25.0		V=3
	410	SVTO	43 NS	0623.0	0720.0	331.0	250.0			QL=2 ST=2 TYP=1
	410	SVTO	43 NS	0623.0	0623.0	1057.0	83.0			QL=2 ST=1 TYP=1
	33	UPIC	43 NS	0720.0		247.0				
	245	SGMR	43 NS	1102.0	1510.0	663.0	310.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1102.0	1144.0	778.0	280.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1102.0	1106.0	778.0	130.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1102.0	1102.0	778.0	110.0			QL=4 ST=1 TYP=1
	410	SGMR	43 NS	1103.0	1144.0	51.0	270.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1103.0	1104.0	777.0	110.0			QL=4 ST=1 TYP=1
	235	CUBA	44 NS	1300.0E		240.0D		25.0		
	280	CUBA	44 NS	1300.0E		240.0D		35.0		
	410	SGMR	43 NS	1323.0	1323.0	7.0	67.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	1323.0	1323.0	637.0	67.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1800.0	1824.0	86.0	190.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	1800.0	1801.0	360.0	90.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	2202.0	2205.0	118.0	600.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	2202.0	2205.0	368.0	600.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	2204.0	2205.0	116.0	130.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	2204.0	2205.0	144.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2228.0	2232.0	695.0	500.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2228.0	2232.0U	92.0	500.0			QL=4 ST=1 TYP=1
	8800	LEAR	8 S	0010.0	0011.0	2.0	55.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	0015.0	0018.0	7.0	10.0			
	2840	PEKG	5 S	0016.0	0018.6	8.0	10.8			
	4995	LEAR	4 S/F	0017.0	0018.0	17.0	55.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0018.0	0018.0	2.0	55.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0018.0	0018.0	1.0	28.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0228.0	0231.0	4.0	57.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0230.0	0231.0	1.0	42.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0401.0	0401.0	1.0	52.0			QL=4 ST=2 TYP=3
	200	HIRA	7 C	0425.0	0432.0	9.0	130.0			ML
	200	HIRA	47 GB	0450.0	0451.0	9.0	1130.0			0
	245	LEAR	49 GB	0450.0	0450.0	7.0	3000.0			QL=4 ST=2 TYP=6
	2695	LEAR	4 S/F	0450.0	0454.0	7.0	40.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0450.0	0454.0	7.0	47.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0450.0	0454.0	7.0	29.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0450.0	0454.0	7.0	52.0			QL=4 ST=2 TYP=3
610	LEAR	4 S/F	0450.0	0454.0	7.0	210.0			QL=4 ST=2 TYP=3	
410	LEAR	49 GB	0450.0	0454.0	7.0	540.0			QL=4 ST=2 TYP=6	
15400	LEAR	4 S/F	0450.0	0454.0	6.0	23.0			QL=4 ST=2 TYP=3	
500	HIRA	7 C	0450.0	0454.0	11.0	370.0			MR	
2840	PEKG	5 S	0450.0	0454.5	9.0	55.8				
410	SVTO	48 C	0457.0	0458.0U	7.0	130.0			QL=2 ST=2 TYP=8	
245	SVTO	48 C	0457.0	0458.0U	1.0	200.0			QL=2 ST=2 TYP=8	
610	SVTO	48 C	0457.0	0500.0U	7.0	130.0			QL=2 ST=2 TYP=8	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
23	200	HIRA	8 S	0504.0	0504.0	1.0	170.0			ML
	410	LEAR	8 S	0504.0	0504.0	1.0	72.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0504.0	0504.0	2.0	77.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0512.0	0512.0	U	66.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0512.0	0512.0	1.0	78.0			QL=4 ST=2 TYP=3
	2840	PEKG	1 S	0602.0	0604.5	5.0	4.7			
	3000	IZMI	42 SER	0604.0	0604.5	4.5	11.0			
	410	LEAR	8 S	0720.0	0720.0	2.0	170.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0720.0	0720.0	1.0	250.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0720.0	0721.0	1.0	290.0			QL=4 ST=2 TYP=3
	200	HIRA	42 SER	0721.0	0729.0	16.0	240.0			MR
	410	LEAR	8 S	0744.0	0744.0	U	61.0			QL=4 ST=4 TYP=3
	410	LEAR	8 S	0744.0	0744.0	U	61.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0800.1	0800.3	0.5	418.0			
	410	SVTO	8 S	0815.0	0815.0	U	140.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	0843.2	0843.7	0.8	1835.0			
	204	IZMI	42 SER	0857.9	0859.3	1.7	762.0			
	3000	IZMI	22 GRF	1100.1	1104.3	7.8	33.0	8.0		
	8800	SVTO	8 S	1102.0	1103.0	2.0	30.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1103.0	1104.0	2.0	30.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1103.0	1104.0	6.0	230.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1103.0	1105.0	2.0	39.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1103.0	1103.0	2.0	35.0			QL=4 ST=2 TYP=3
	245	SVTO	20 GRF	1103.0	1103.0	8.0	280.0			QL=4 ST=2 TYP=2
	610	SVTO	4 S/F	1103.0	1104.0	3.0	140.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1144.0	1144.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1144.0	1144.0	U	60.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1144.0	1144.0	1.0	170.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1144.0	1144.0	U	230.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1306.0	1306.0	1.0	110.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1306.0	1306.0	1.0	93.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1306.0	1306.0	1.0	180.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1306.0	1306.0	1.0	81.0			QL=4 ST=2 TYP=3
	6700	CUBA	22 GRF	1318.0	1409.0	89.0	13.0	6.0		11L
	410	SGMR	8 S	1320.0	1320.0	2.0	57.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1320.0	1320.0	1.0	74.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1320.0	1321.0	1.0	150.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1402.0	1403.0	4.0	45.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1402.0	1403.0	4.0	40.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1402.0	1402.0	4.0	800.0			QL=4 ST=2 TYP=6
	245	SVTO	8 S	1402.0	1402.0	1.0	490.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1403.0	1403.0	3.0	59.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1403.0	1403.0	1.0	77.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1403.4	1404.2	1.2	31.0	15.0		
	6700	CUBA	2 S/F	1433.2	1434.1	1.8	5.0	2.0		51L
	9500	CUBA	2 S/F	1525.3	1527.0	2.7	16.0	8.0		
	6700	CUBA	1 S	1605.5	1606.0	1.0	21.0	10.0		31L
	9500	CUBA	1 S	1605.5	1606.0	1.0	20.0	10.0		
	2800	PENT	21 GRF	1809.0	1846.0	83.0U	19.0			
	4995	SGMR	4 S/F	1844.0	1846.0	5.0	46.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1845.0	1845.0	U	27.0			QL=4 ST=2 TYP=3
	2800	PENT	42 SER	2033.0	2139.0	119.0U	97.0			
	200	HIRA	42 SER	2126.0	2133.0	12.0	400.0			0
	500	HIRA	7 C	2133.0	2136.0	11.0	480.0			WR
	2800	HIRA	7 C	2133.0	2135.0	11.0	90.0			0
	410	SGMR	48 C	2133.0	2139.0	11.0	510.0			QL=4 ST=2 TYP=8
	610	SGMR	4 S/F	2133.0	2139.0	11.0	330.0			QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	2133.0	2138.0	11.0	280.0			QL=4 ST=2 TYP=3
	1415	SGMR	48 C	2133.0	2135.0	11.0	150.0			QL=4 ST=2 TYP=8
	4995	SGMR	4 S/F	2133.0	2139.0	11.0	92.0			QL=4 ST=2 TYP=3
	8800	SGMR	20 GRF	2133.0	2139.0	11.0	64.0			QL=4 ST=2 TYP=2
	2695	SGMR	4 S/F	2133.0	2135.0	11.0	100.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	2145.0	2145.0	4.0	81.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2147.0	2147.0	2.0	180.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	2147.0	2149.0	2.0	65.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	2153.0	2154.0	2.0	480.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2153.0	2154.0	2.0	450.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	2153.0	2154.0	1.0	81.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	2153.0	2154.0	2.0	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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks	
23	200	HIRA	8 S	2154.0	2156.0	2.0	240.0			WL	
	245	PALE	4 S/F	2154.0	2157.0	5.0	390.0			QL=4 ST=2 TYP=3	
	500	HIRA	8 S	2224.0	2224.0	1.0	40.0			0	
	200	HIRA	8 S	2237.0	2238.0	1.0	170.0			0	
	2840	PEKG	3 S	2249.0	2252.1	10.0	15.1				
24	410	LEAR	43 NS	0235.0	0236.0	1285.0	640.0			QL=4 ST=1 TYP=1	
	410	PALE	43 NS	0241.0	0241.0	1279.0	620.0			QL=4 ST=1 TYP=1	
	245	SVTO	43 NS	0503.0	0919.0	256.0	290.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	0503.0	0919.0	1137.0	290.0			QL=4 ST=1 TYP=1	
	245	SVTO	43 NS	0503.0	0509.0	1137.0	110.0			QL=4 ST=1 TYP=1	
	204	IZMI	44 NS	0600.0E		360.0D		15.0			
	127	TORN	44 NS	0620.0E		520.0D		13.0		V=1	
	410	SVTO	43 NS	0934.0	1009.0	127.0	120.0			QL=4 ST=2 TYP=1	
	410	SVTO	43 NS	0934.0	1009.0	866.0	120.0			QL=4 ST=1 TYP=1	
	410	SVTO	43 NS	0934.0	0944.0	866.0	66.0			QL=4 ST=1 TYP=1	
	410	LEAR	43 NS	0959.0	0959.0	4.0	64.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	1057.0	1324.0	325.0	450.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	1057.0	1057.0	783.0	140.0			QL=4 ST=1 TYP=1	
	245	SVTO	43 NS	1157.0	1324.0	723.0	450.0			QL=4 ST=1 TYP=1	
	245	SGMR	43 NS	1209.0	2129.0	587.0	560.0			QL=4 ST=2 TYP=1	
	245	SGMR	43 NS	1209.0	1324.0	711.0	400.0			QL=4 ST=1 TYP=1	
	245	SGMR	43 NS	1209.0	1314.0	711.0	200.0			QL=4 ST=1 TYP=1	
	245	SGMR	43 NS	1209.0	1324.0	711.0	400.0			QL=4 ST=1 TYP=1	
	245	SGMR	43 NS	1209.0	1230.0	711.0	180.0			QL=4 ST=1 TYP=1	
	235	CUBA	44 NS	1300.0E		530.0D		43.0			
	280	CUBA	44 NS	1300.0E		530.0D		94.0			
	410	SVTO	43 NS	1338.0	1454.0	164.0	270.0			QL=4 ST=2 TYP=1	
	410	SVTO	43 NS	1338.0	1454.0	622.0	270.0			QL=4 ST=1 TYP=1	
	410	SVTO	43 NS	1338.0	1415.0	622.0	89.0			QL=4 ST=1 TYP=1	
	410	SGMR	43 NS	1406.0	1454.0	455.0	240.0			QL=4 ST=2 TYP=1	
	410	SGMR	43 NS	1406.0	1406.0	594.0	60.0			QL=4 ST=1 TYP=1	
	410	SGMR	43 NS	1406.0	1454.0	594.0	240.0			QL=4 ST=1 TYP=1	
	410	PALE	43 NS	1653.0	1741.0	399.0	95.0			QL=4 ST=2 TYP=1	
	245	PALE	43 NS	1653.0	1740.0	427.0	380.0			QL=4 ST=1 TYP=1	
	245	PALE	43 NS	1653.0	1653.0	427.0	120.0			QL=4 ST=1 TYP=1	
	410	PALE	43 NS	1653.0	1741.0	427.0	95.0			QL=4 ST=1 TYP=1	
	245	PALE	43 NS	1653.0	0241.0	427.0	1400.0			QL=4 ST=1 TYP=1	
	410	PALE	43 NS	1653.0	1701.0	427.0	84.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	2227.0	0242.0	696.0	1400.0			QL=4 ST=3 TYP=1	
	245	LEAR	43 NS	2227.0	0242.0	697.0	1400.0			QL=4 ST=2 TYP=1	
	245	LEAR	43 NS	2227.0	0242.0U	93.0	1400.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	2227.0	2230.0U	93.0	180.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	2227.0	2255.0U	93.0	300.0			QL=4 ST=1 TYP=1	
	245	LEAR	43 NS	2227.0	0237.0U	93.0	1300.0			QL=4 ST=1 TYP=1	
	8800	LEAR	4 S/F	0330.0	0335.0	10.0	310.0			QL=4 ST=2 TYP=3	
	8800	LEAR	4 S/F	0330.0	0335.0	1230.0	310.0			QL=4 ST=1 TYP=3	
	2840	PEKG	3 S	0331.0	0335.5	10.0	22.6				
	4995	LEAR	4 S/F	0334.0	0335.0	4.0	100.0			QL=4 ST=2 TYP=3	
	15400	LEAR	4 S/F	0334.0	0335.0	9.0	110.0			QL=4 ST=2 TYP=3	
	15400	LEAR	4 S/F	0334.0	0335.0	1226.0	110.0			QL=4 ST=1 TYP=3	
	4995	LEAR	4 S/F	0334.0	0335.0	1226.0	100.0			QL=4 ST=1 TYP=3	
	15400	PALE	8 S	0335.0	0335.0	1.0	98.0			QL=4 ST=2 TYP=3	
	8800	SVTO	4 S/F	0719.0	0720.0	3.0	110.0			QL=4 ST=2 TYP=3	
	8800	LEAR	8 S	0720.0	0720.0	1.0	110.0			QL=4 ST=2 TYP=3	
	2840	PEKG	5 S	0934.0	0936.5	5.0	21.4				
	245	SVTO	4 S/F	1022.0	1025.0	3.0	75.0			QL=4 ST=2 TYP=3	
	204	IZMI	42 SER	1144.2	1146.2	6.1	130.0				
	204	IZMI	42 SER	1154.4	1157.5	35.3	1070.0				
	9500	CUBA	2 S/F	1305.5	1306.4	2.3	21.0	10.0			
	6700	CUBA	20 GRF	1314.0E	1314.0	18.0D	7.0	3.0			OOL
	410	SGMR	8 S	1342.0	1342.0	U	54.0			QL=4 ST=2 TYP=3	
	8800	SGMR	4 S/F	1404.0	1405.0	3.0	100.0			QL=4 ST=2 TYP=3	
	4995	SVTO	8 S	1404.0	1405.0	1.0	29.0			QL=4 ST=2 TYP=3	
	8800	SVTO	8 S	1404.0	1405.0	1.0	68.0			QL=4 ST=2 TYP=3	
	15400	SVTO	8 S	1404.0	1405.0	1.0	50.0			QL=4 ST=2 TYP=3	
	6700	CUBA	21 GRF	1405.0	1411.0	27.0	19.0	9.0			OOL
	9500	CUBA	3 S	1405.0	1406.2	5.0	78.0	39.0			
	6700	CUBA	1 S	1623.0	1623.5	1.8	11.0	5.0			OOL

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
24	9500	CUBA	1 S	1623.2	1623.6	1.4	24.0	12.0		
	2800	PENT	20 GRF	1730.0	1738.0	27.0	5.0			
	245	SGMR	49 GB	1955.0	2001.0	7.0	660.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	1955.0	2001.0	7.0	660.0			QL=2 ST=3 TYP=6
	6700	CUBA	1 S	2015.0	2015.5	1.6	19.0	9.0		OOL
	245	SGMR	49 GB	2020.0	2021.0	4.0	640.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	2020.0	2021.0	4.0	640.0			QL=2 ST=3 TYP=6
	245	PALE	49 GB	2021.0	2022.0	1.0	710.0			QL=4 ST=2 TYP=6
	2800	PENT	24 R	2106.0	2230.0	89.0U	16.0			
	2800	PENT	1 S	2345.0	2350.0	8.0	10.0			
	2840	PEKG	5 S	2348.0	2350.3	4.0	10.1			
25	410	LEAR	43 NS	0235.0	0236.0	40.0	640.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	0241.0	0241.0	41.0	620.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0522.0	0642.0	118.0	170.0			QL=2 ST=2 TYP=1
	245	SVTO	43 NS	0522.0	0522.0	1118.0	75.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		50.0		
	127	TORN	44 NS	0620.0E		520.0D		40.0		V=1
	280	CUBA	44 NS	1300.0E		530.0D		23.0		
	235	CUBA	44 NS	1300.0E		530.0D		17.0		
	245	SVTO	43 NS	1308.0	1343.0	55.0	120.0			QL=2 ST=2 TYP=1
	245	SVTO	43 NS	1308.0	1331.0	652.0	110.0			QL=2 ST=1 TYP=1
	245	SVTO	43 NS	1308.0	1309.0	652.0	59.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1846.0	1909.0	23.0	290.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1846.0	1909.0	314.0	290.0			QL=4 ST=1 TYP=1
	245	SGMR	43 NS	1846.0	1846.0	314.0	76.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	2155.0	2210.0	114.0	280.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2255.0	2203.0	65.0	120.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2332.0	2340.0	17.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2332.0	2340.0	28.0	100.0			QL=4 ST=1 TYP=1
	2800	PENT	1 S	0042.0	0048.0	19.0	19.0			
	5730	IRKU	46 C	0042.6	0048.5	62.4	255.0		U	
	8800	LEAR	4 S/F	0044.0	0047.0	13.0	130.0			QL=4 ST=2 TYP=3
	8800	PALE	20 GRF	0044.0	0047.0	10.0	160.0			QL=4 ST=2 TYP=2
	2840	PEKG	5 S	0045.0	0048.3	11.0	21.2			
	4995	LEAR	4 S/F	0046.0	0048.0	10.0	79.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0047.0	0048.0	2.0	87.0			QL=4 ST=2 TYP=3
	15400	LEAR	20 GRF	0047.0	0052.0	11.0	46.0			QL=4 ST=2 TYP=2
	15400	PALE	8 S	0052.0	0053.0	1.0	75.0			QL=4 ST=2 TYP=3
	5730	IRKU	46 C	0155.6	0209.2	130.4	491.0		U	
	4995	LEAR	4 S/F	0200.0	0209.0	10.0	450.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0200.0	0209.0	10.0	490.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0200.0	0209.0	10.0	470.0			QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0201.0	0209.0	9.0	3300.0			QL=4 ST=2 TYP=6
	245	LEAR	48 C	0201.0	0209.0	34.0	3300.0			QL=4 ST=2 TYP=8
	245	LEAR	48 C	0201.0	0209.0	1319.0	3400.0			QL=4 ST=1 TYP=8
	2840	PEKG	45 C	0201.0	0209.9	27.0	358.6			
	8800	LEAR	4 S/F	0202.0	0208.0	8.0	320.0			QL=4 ST=2 TYP=3
	610	LEAR	49 GB	0204.0	0209.0	6.0	760.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0204.0	0209.0	6.0	2400.0			QL=4 ST=2 TYP=6
	1415	PALE	4 S/F	0205.0	0210.0	29.0	480.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0205.0	0209.0	30.0	470.0			QL=4 ST=2 TYP=3
	410	LEAR	49 GB	0205.0	0209.0	30.0	2400.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0205.0	0209.0	1315.0	2400.0			QL=4 ST=1 TYP=6
	1415	PALE	4 S/F	0205.0	0210.0	1315.0	480.0			QL=4 ST=1 TYP=3
	8800	PALE	20 GRF	0206.0	0209.0	8.0	260.0			QL=4 ST=2 TYP=2
	8800	LEAR	4 S/F	0206.0	0208.0	14.0	280.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0206.0	0209.0	14.0	460.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0206.0	0209.0	15.0	430.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	0206.0	0209.0	12.0	480.0			QL=4 ST=2 TYP=3
4995	PALE	20 GRF	0206.0	0209.0	10.0	410.0			QL=4 ST=2 TYP=2	
15400	PALE	20 GRF	0206.0	0208.0	10.0	260.0			QL=4 ST=2 TYP=2	
610	LEAR	49 GB	0206.0	0209.0	29.0	760.0			QL=4 ST=2 TYP=6	
245	PALE	49 GB	0206.0	0209.0	35.0	3600.0			QL=4 ST=2 TYP=6	
2695	LEAR	4 S/F	0206.0	0209.0	1314.0	460.0			QL=4 ST=1 TYP=3	
4995	LEAR	4 S/F	0206.0	0209.0	1314.0	430.0			QL=4 ST=1 TYP=3	
8800	LEAR	4 S/F	0206.0	0208.0	1314.0	280.0			QL=4 ST=1 TYP=3	
610	LEAR	49 GB	0206.0	0209.0	1314.0	760.0			QL=4 ST=1 TYP=6	
8800	PALE	4 S/F	0206.0	0209.0	1314.0	260.0			QL=4 ST=1 TYP=3	

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

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Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
25	15400	PALE	4 S/F	0206.0	0208.0	1314.0	260.0			QL=4 ST=1 TYP=3
	2695	PALE	4 S/F	0206.0	0209.0	1314.0	480.0			QL=4 ST=1 TYP=3
	4995	PALE	4 S/F	0206.0	0209.0	1314.0	410.0			QL=4 ST=1 TYP=3
	245	PALE	49 GB	0206.0	0209.0	1314.0	3600.0			QL=4 ST=1 TYP=6
	610	PALE	48 C	0207.0	0209.0	28.0	740.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	0207.0	0212.0	34.0	2600.0			QL=4 ST=2 TYP=8
	610	PALE	49 GB	0207.0	0209.0	1313.0	740.0			QL=4 ST=1 TYP=6
	410	PALE	49 GB	0207.0	0209.0	1313.0	2500.0			QL=4 ST=1 TYP=6
	410	PALE	49 GB	0207.0	0209.0	1313.0	2500.0			QL=4 ST=1 TYP=6
	610	PALE	49 GB	0207.0	0209.0	1313.0	740.0			QL=4 ST=1 TYP=6
	610	PALE	48 C	0207.0	0212.0	1313.0	530.0			QL=4 ST=1 TYP=8
	410	PALE	48 C	0207.0	0212.0	1313.0	2600.0			QL=4 ST=1 TYP=8
	15400	LEAR	8 S	0209.0E	0210.0U	1.0D	1.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0212.0E	0213.0U	4.0D	59.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0709.3	0709.7	1.7	2092.0			
	245	SVTO	8 S	0807.0	0807.0	U	290.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1110.3	1110.5	1.1	297.0			
	2695	SGMR	8 S	1222.0	1222.0	2.0	170.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1222.0	1222.0	2.0	33.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1222.0	1222.0	1.0	150.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1222.0	1222.0	1.0	23.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1223.0	1223.0	U	84.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1253.3	1253.7	0.7	22.0	11.0		
	6700	CUBA	45 C	1345.0	1345.8	2.2	34.0			15R
	8800	SGMR	8 S	1457.0	1457.0	U	170.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1457.0	1457.0	U	170.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1457.0	1457.0	U	140.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1457.0	1457.0	U	140.0			QL=4 ST=2 TYP=3
	6700	CUBA	3 S	1457.0	1457.2	1.8	66.0	33.0		16L
	9500	CUBA	3 S	1457.0	1457.2	2.0	175.0	87.0		
	245	SGMR	4 S/F	1704.0	1704.0	6.0	91.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1909.0	1909.0	1.0	290.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2016.0	2016.0	U	61.0			QL=4 ST=2 TYP=3
245	SGMR	4 S/F	2039.0	2041.0	3.0	100.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	2119.0	2122.0	3.0	60.0			QL=4 ST=2 TYP=3	
245	LEAR	4 S/F	2240.0	2245.0	6.0	110.0			QL=4 ST=2 TYP=3	
26	204	IZMI	44 NS	0600.0E		360.0D		25.0		
	245	SVTO	43 NS	0919.0	1054.0	96.0	120.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0919.0	0943.0	881.0	68.0			QL=4 ST=1 TYP=1
	127	TORN	44 NS	1250.0E		130.0D		35.0		V=1
	245	SVTO	43 NS	1256.0	1452.0	117.0	100.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1453.0	1453.0	547.0	64.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1836.0	1837.0	324.0	75.0			QL=4 ST=3 TYP=1
	245	PALE	43 NS	1839.0	1837.0	321.0	75.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2316.0	0218.0	44.0	110.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2316.0	0026.0	44.0	85.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2316.0	2316.0	44.0	67.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2316.0	0026.0	648.0	85.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0100.0	0101.0	1.0	66.0			QL=4 ST=2 TYP=3
	245	LEAR	48 C	0103.0	0106.0	4.0	87.0			QL=4 ST=2 TYP=8
	2840	PEKG	1 S	0520.0	0522.0	5.0	9.9			
	2840	PEKG	1 S	0801.0	0802.5	4.0	8.2			
	3000	IZMI	5 S	0802.3	0802.5	0.6	18.0	7.0		
	204	IZMI	25 R	0850.2	0933.2	118.5	82.0			
	204	IZMI	45 C	0911.2	0911.7	1.1	124.0			
	204	IZMI	46 C	0920.3	0920.4	0.4	297.0			
	2840	PEKG	5 S	0921.0	0924.0	5.0	13.4			
3000	IZMI	42 SER	1047.8	1049.7	3.1	25.0				
127	TORN	47 GB	1346.9	1347.7	2.0	1500.0	320.0			
245	SGMR	8 S	1449.0	1449.0	U	65.0			QL=4 ST=2 TYP=3	
2800	PENT	45 C	2137.0	2148.0	20.0	13.0				
2800	PENT	41 F	2204.0	2217.0	28.0U	12.0				
27	245	SVTO	43 NS	0501.0	1342.0	676.0	180.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0501.0	0503.0	1139.0	80.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0501.0	1342.0	1139.0	180.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0501.0	0753.0	1139.0	150.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		40.0		

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
27	127	TORN	44 NS	0620.0E		520.0D		230.0		V=1
	245	SGMR	43 NS	1132.0	1150.0	748.0	64.0			QL=4 ST=1 TYP=1
	235	CUBA	44 NS	1300.0E		480.0D		31.0		
	280	CUBA	44 NS	1300.0E		480.0D		38.0		
	245	PALE	43 NS	1639.0	1648.0U	441.0	65.0			QL=4 ST=1 TYP=1
	245	PALE	43 NS	1639.0	1801.0U	441.0	310.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2224.0	2335.0	96.0	90.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	2224.0	2335.0	700.0	90.0			QL=4 ST=2 TYP=1
	5730	IRKU	4 S/F	0036.4	0037.5	5.6	59.0		U	
	2840	PEKG	5 S	0114.0	0117.0	8.0	25.0			
	2840	PEKG	5 S	0135.0	0137.5	7.0	51.9			
	200	HIRA	8 S	0136.0	0138.0	3.0	180.0			WR
	2800	HIRA	1 S	0136.0	0137.0	5.0	50.0			0
	245	LEAR	8 S	0136.0	0137.0	1.0	450.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0136.0	0137.0	3.0	52.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0136.0	0137.0	3.0	80.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0136.0	0137.0	3.0	51.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	0136.0	0137.0	2.0	630.0			QL=4 ST=2 TYP=6
	8800	LEAR	4 S/F	0136.0	0137.0	1344.0	52.0			QL=4 ST=1 TYP=3
	2695	LEAR	4 S/F	0136.0	0137.0	1344.0	51.0			QL=4 ST=1 TYP=3
	4995	LEAR	4 S/F	0136.0	0137.0	1344.0	80.0			QL=4 ST=1 TYP=3
	245	LEAR	49 GB	0136.0	0137.0	1344.0	500.0			QL=4 ST=1 TYP=6
	410	LEAR	8 S	0137.0	0138.0	1.0	30.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0137.0	0137.0		25.0		U	QL=4 ST=2 TYP=3
	4995	PALE	8 S	0137.0	0137.0	1.0	64.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0306.0	0311.0	7.0	26.0			
	410	LEAR	8 S	0308.0	0309.0	1.0	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0308.0	0309.0	3.0	54.0			QL=4 ST=2 TYP=3
	5730	IRKU	4 S/F	0308.5	0310.0	5.5	37.0		U	
	4995	LEAR	8 S	0309.0	0309.0	1.0	36.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0309.0	0309.0		77.0		U	QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0826.0	0828.5	5.0	10.5			
	3000	IZMI	7 C	0828.9	0829.2	0.6	11.0	9.0		
	3000	IZMI	7 C	1010.4	1010.7	0.8	18.0	7.0		
	6700	CUBA	1 S	1309.1	1309.4	0.9	21.0	10.0		4R
	6700	CUBA	2 S/F	1333.2	1334.3	2.2	20.0	10.0		30R
	6700	CUBA	21 GRF	1410.0	1417.0	47.0	13.0	6.0		00R
	6700	CUBA	1 S	1414.8	1415.2	1.0	22.0	11.0		00R
	410	SGMR	48 C	1459.0	1508.0	24.0	77.0			QL=4 ST=2 TYP=8
	2800	PENT	1 S	1553.0	1556.0	7.0	14.0			
2800	PENT	1 S	1616.0	1618.0	5.0	6.0				
6700	CUBA	2 S/F	1656.4	1656.5	0.8	7.0	3.0		58R	
2800	PENT	29 PBI	1914.0	1917.0	18.0U	25.0				
6700	CUBA	2 S/F	1917.0	1917.3	1.6	44.0	22.0		31R	
9500	CUBA	1 S	1917.1	1917.2	0.9	27.0	13.0			
28	245	SVTO	43 NS	0524.0	0556.0	471.0	110.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0524.0	0525.0	1116.0	51.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0524.0	0000.0	1116.0	51.0			QL=4 ST=1 TYP=1
	245	SVTO	43 NS	0524.0	0525.0	1116.0	51.0			QL=4 ST=1 TYP=1
	204	IZMI	44 NS	0600.0E		360.0D		40.0		
	127	TORN	44 NS	0620.0E		520.0D		60.0		V=1
	235	CUBA	44 NS	1300.0E		480.0D		12.0		
	280	CUBA	44 NS	1300.0E		480.0D		24.0		
	200	HIRA	8 S	0109.0	0110.0	2.0	230.0			MR
	200	HIRA	4 S/F	0325.0	0329.0	5.0	70.0			0
	3000	IZMI	22 GRF	0946.5	1011.6	30.9	12.0	3.0		
	3000	IZMI	20 GRF	1125.5	1127.3	3.6	9.0	4.0		
	245	SGMR	8 S	1230.0	1231.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1634.0	1634.0	1.0	170.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1649.0	1649.0	2.0	85.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1905.0	1905.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1909.0	1909.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2030.0	2031.0	1.0	82.0			QL=4 ST=2 TYP=3
2695	LEAR	8 S	2247.0	2247.0		42.0		U	QL=4 ST=2 TYP=3	
29	204	IZMI	44 NS	0600.0E		360.0D		5.0		
	127	TORN	44 NS	0620.0E		520.0D		14.0		V=2
	280	CUBA	44 NS	1300.0E		360.0D		19.0		

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

49
Sep 00

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
29	235	CUBA	44 NS	1300.0E		360.00		11.0		
	5730	IRKU	1 S	0314.2	0316.0	3.3	22.0	U		
	200	HIRA	8 S	0502.0	0503.0	1.0	30.0			0
	5730	IRKU	1 S	0653.0	0653.7	1.2	4.0	U		
	6700	CUBA	21 GRF	1306.0	1312.0	14.0	14.0	7.0		9R
	410	SGMR	49 GB	1309.0	1311.0	2.0	540.0			QL=4 ST=2 TYP=6
	410	SVTO	4 S/F	1309.0	1311.0	3.0	500.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1310.2	1311.8	1.8	38.0	19.0		31R
	410	SGMR	4 S/F	1311.0	1311.0	4.0	300.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1311.0	1311.0	U	45.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1311.0	1311.0	4.0	41.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1311.0	1311.0	4.0	49.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1311.0	1311.0	1.0	25.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1311.0	1311.0	U	81.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1311.0	1311.0	1.0	24.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1311.0	1311.0	1.0	50.0			QL=4 ST=2 TYP=3
9500	CUBA	2 S/F	1311.6	1311.8	1.4	20.0	10.0			
2800	PENT	29 PBI	2044.0	2048.0	18.0	14.0				
30	127	TORN	43 NS	0740.0		440.0U		2.0		V=0,DISTURBED
	245	SGMR	43 NS	1357.0	1519.0	228.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1357.0	1359.0	603.0	65.0			QL=4 ST=1 TYP=1
	5730	IRKU	1 S	0316.0	0317.3	2.3	5.0	U		
	2840	PEKG	1 S	0430.0	0432.9	4.0	8.2			
	5730	IRKU	4 S/F	0432.2	0432.8	6.4	20.0	U		
	200	HIRA	8 S	0532.0	0533.0	1.0	30.0			0
	245	LEAR	8 S	0532.0	0532.0	1.0	55.0			QL=4 ST=2 TYP=3
	5730	IRKU	1 S	0549.3	0549.8	4.2	6.0	U		
	5730	IRKU	1 S	0619.8	0620.8	6.2	12.0	U		
	5730	IRKU	1 S	0629.0	0631.0	15.0	6.0	U		
	245	LEAR	8 S	0804.0	0805.0	1.0	65.0			QL=4 ST=2 TYP=3
	5730	IRKU	1 S	0808.0	0808.5	2.0	3.0	U		
	245	LEAR	8 S	0814.0	0815.0	1.0	110.0			QL=4 ST=2 TYP=3
	5730	IRKU	1 S	0814.0	0814.2	3.0	4.0	U		
	245	SVTO	8 S	0815.0	0815.0	U	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0821.0	0821.0	U	84.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0821.0	0821.0	U	79.0			QL=4 ST=2 TYP=3
	127	TORN	42 SER	0829.2	0845.1	31.5		4.0		
	2840	PEKG	5 S	0856.0	0858.4	5.0	19.3			
	5730	IRKU	4 S/F	0856.9	0857.3	7.1	42.0	U		
	8800	SVTO	8 S	0857.0	0858.0	1.0	54.0			QL=4 ST=2 TYP=3
	3000	IZMI	7 C	0857.8	0858.2	2.2	24.0	8.0		
	15400	SVTO	8 S	0858.0	0858.0	U	35.0			QL=4 ST=2 TYP=3
	5730	IRKU	4 S/F	0928.0	0929.0	7.0	52.0	U		
	245	LEAR	8 S	0942.0	0942.0	2.0	74.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0942.0	0942.0	U	66.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0946.0	0946.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0946.0	0946.0	U	110.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1712.0	1713.0	1.0	110.0			QL=4 ST=2 TYP=3
	2800	PENT	21 GRF	1734.0	1759.0	45.0	12.0			
	4995	SGMR	4 S/F	2012.0	2013.0	5.0	31.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	2012.0	2013.0	5.0	52.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	2012.0	2012.0	5.0	48.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	2034.0	2040.0	12.0	8.0			
	15400	SGMR	8 S	2034.0	2034.0	2.0	50.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	2039.0	2040.0	3.0	73.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	2039.0	2040.0	3.0	99.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	2039.0	2040.0	3.0	25.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2040.0	2040.0	1.0	71.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	2040.0	2040.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	2126.0	2127.0	2.0	660.0			QL=4 ST=2 TYP=6
	245	SGMR	8 S	2126.0	2127.0	2.0	450.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	2249.0	2249.0	2.0	280.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	2315.0	2320.1	20.0	174.6			
	4995	LEAR	49 GB	2316.0	2319.0	18.0	920.0			QL=4 ST=2 TYP=6
	8800	LEAR	49 GB	2316.0	2319.0	18.0	1500.0			QL=4 ST=2 TYP=6
	15400	LEAR	49 GB	2316.0	2319.0	18.0	2700.0			QL=4 ST=2 TYP=6
15400	LEAR	49 GB	2316.0	2319.0	44.0	2700.0			QL=4 ST=1 TYP=6	
8800	LEAR	49 GB	2316.0	2319.0	44.0	1500.0			QL=4 ST=1 TYP=6	

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

SEPTEMBER 2000

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
30	4995	LEAR	49 GB	2316.0	2319.0	44.0	920.0			QL=4 ST=1 TYP=6
	2695	LEAR	4 S/F	2317.0	2320.0	7.0	140.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	2317.0	2320.0	5.0	130.0			QL=4 ST=2 TYP=3
	15400	PALE	49 GB	2317.0	2319.0	9.0	2800.0			QL=4 ST=2 TYP=6
	4995	PALE	49 GB	2317.0	2319.0	7.0	1000.0			QL=4 ST=2 TYP=6
	2800	HIRA	3 S	2317.0	2320.0	10.0	140.0			0
	8800	PALE	49 GB	2317.0	2319.0	10.0	1700.0			QL=4 ST=2 TYP=6
	2695	LEAR	4 S/F	2317.0	2320.0	43.0	140.0			QL=4 ST=1 TYP=3
	4995	PALE	49 GB	2317.0	2319.0	43.0	1000.0			QL=4 ST=1 TYP=6
	15400	PALE	49 GB	2317.0	2319.0	43.0	2800.0			QL=4 ST=1 TYP=6
	2695	PALE	4 S/F	2317.0	2320.0	43.0	130.0			QL=4 ST=1 TYP=3
	8800	PALE	49 GB	2317.0	2319.0	43.0	1700.0			QL=4 ST=1 TYP=6
	245	LEAR	8 S	2319.0	2320.0	1.0	36.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	2323.0	2325.0	3.0	160.0			QL=4 ST=2 TYP=3

Reports are received routinely from the following observatories:

BERN = Berne	HUMN = Humain	ONDR = Ondrejov	SVTO = San Vito
CRIM = Crimea	IZMI = IZMIRAN	PEKG = Peking	TORN = Torun
CUBA = Havana	KISV = Kislovodsk	PALE = Palehua	TRST = Trieste
GORK = Gorky	KRAK = Krakow	PENT = Penticton	TYKW = Toyokawa
HIRA = Hiraiso	LEAR = Learmonth	POTS = Potsdam	UPIC = Upice
HUAN = Huancayo	NOBE = Nobeyama	SGMR = Sagamore Hill	

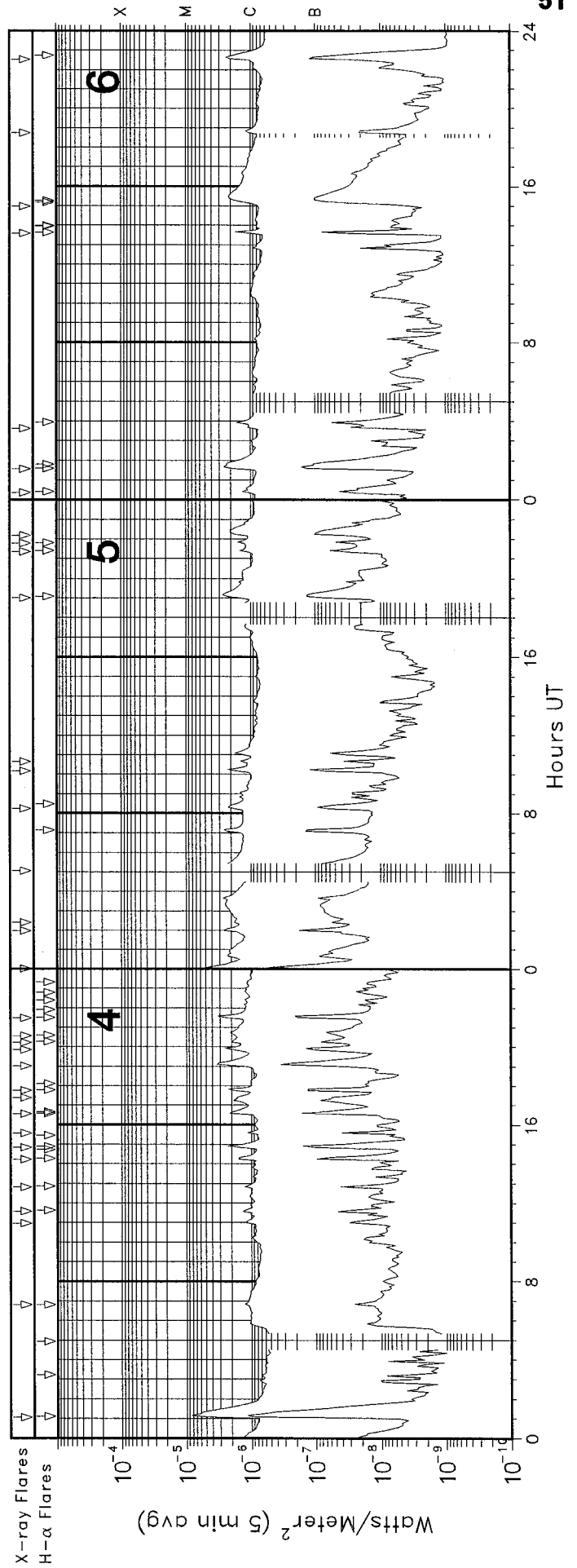
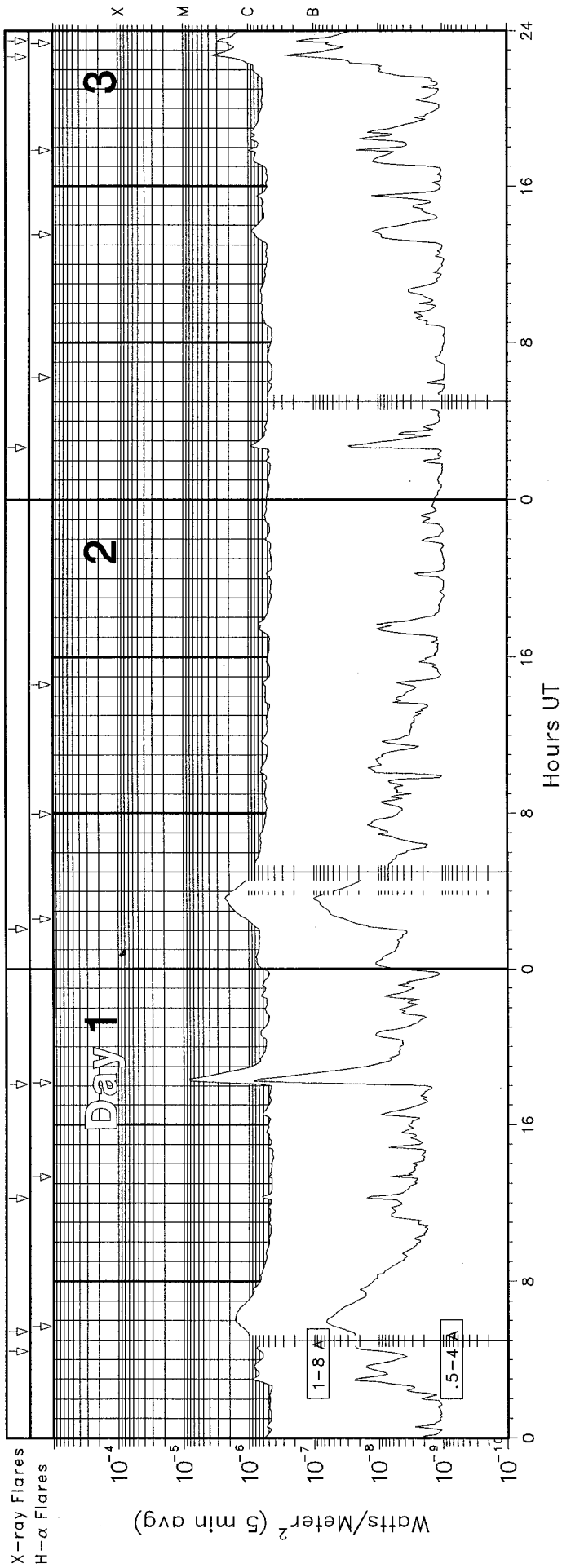
Explanation of Type Code:

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 Precursor	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	

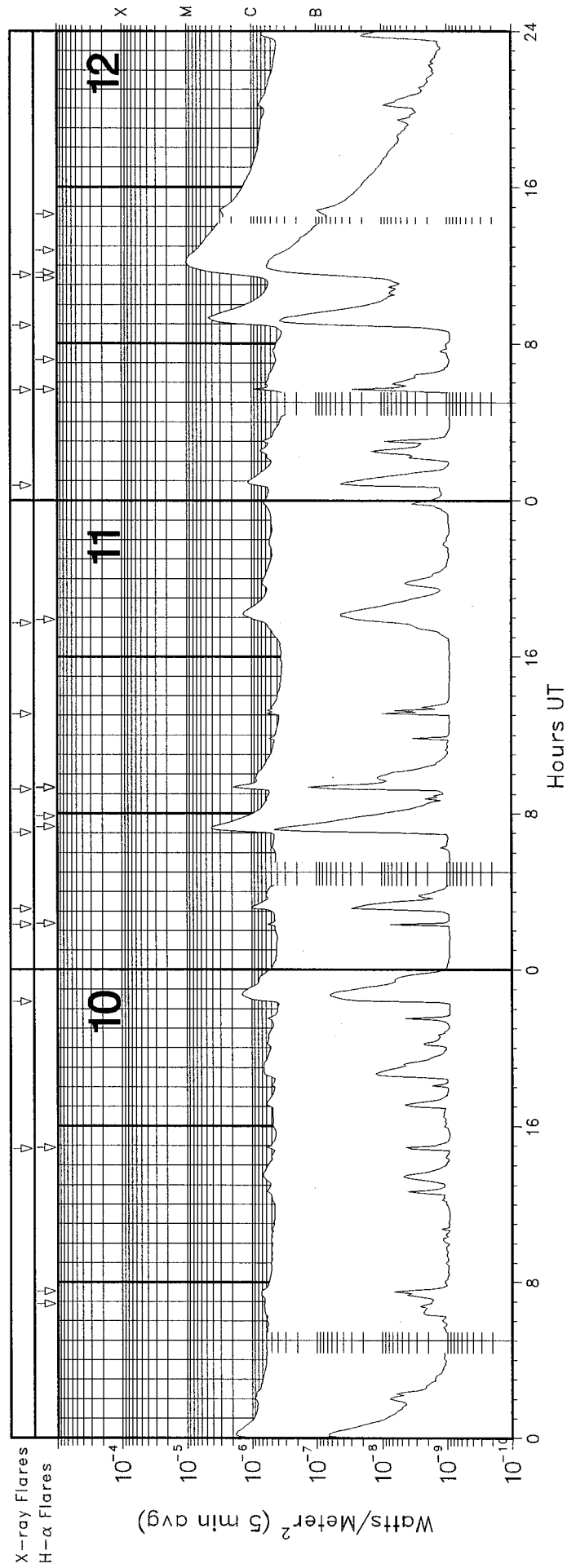
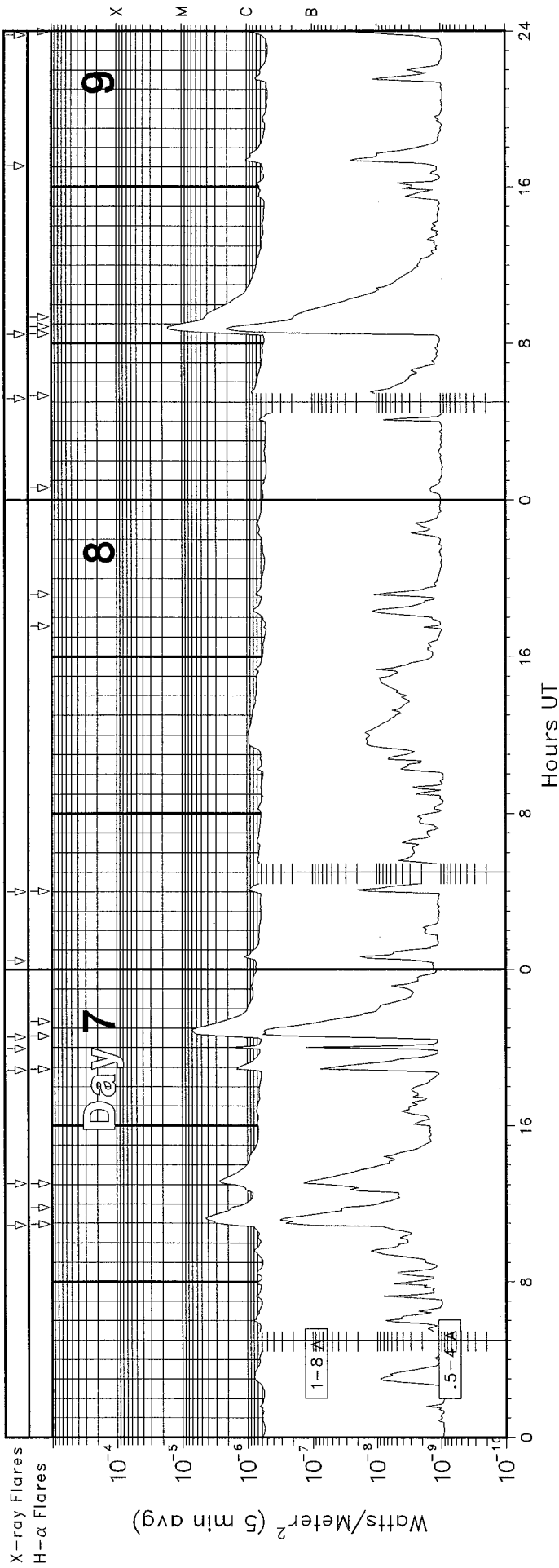
RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; and Hiraiso, Japan 500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

GOES X-RAY DETECTOR

September 2000

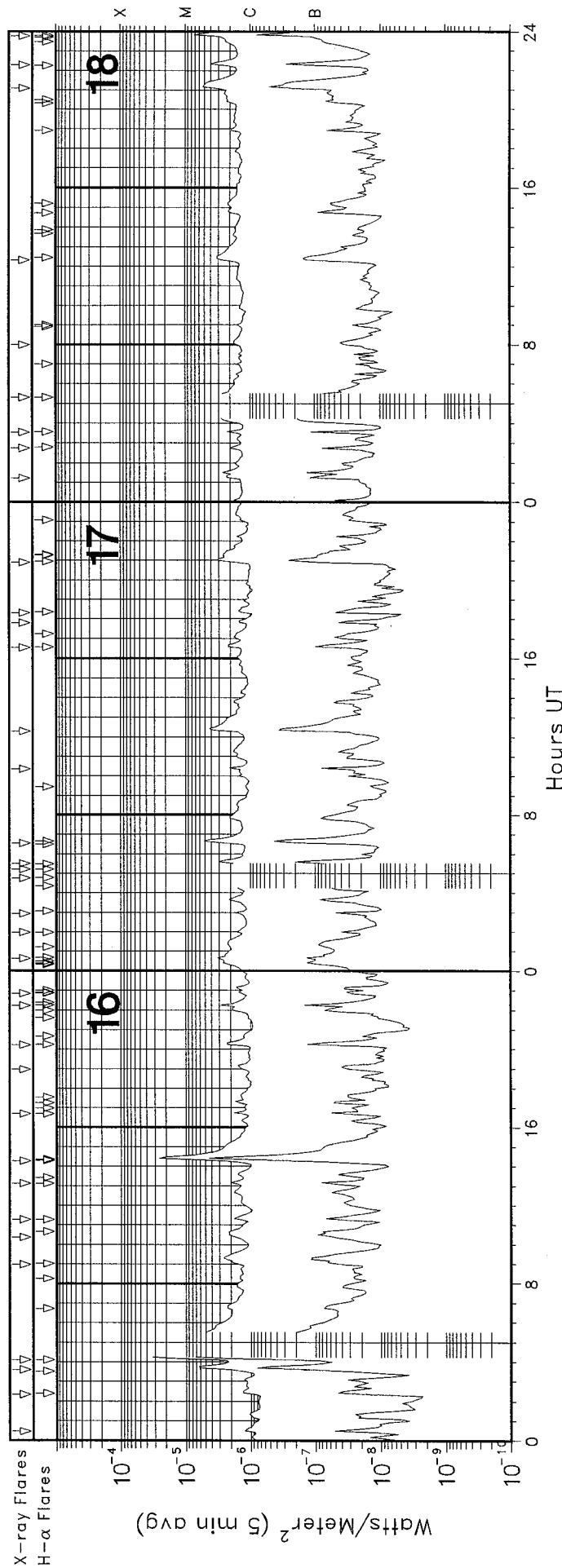
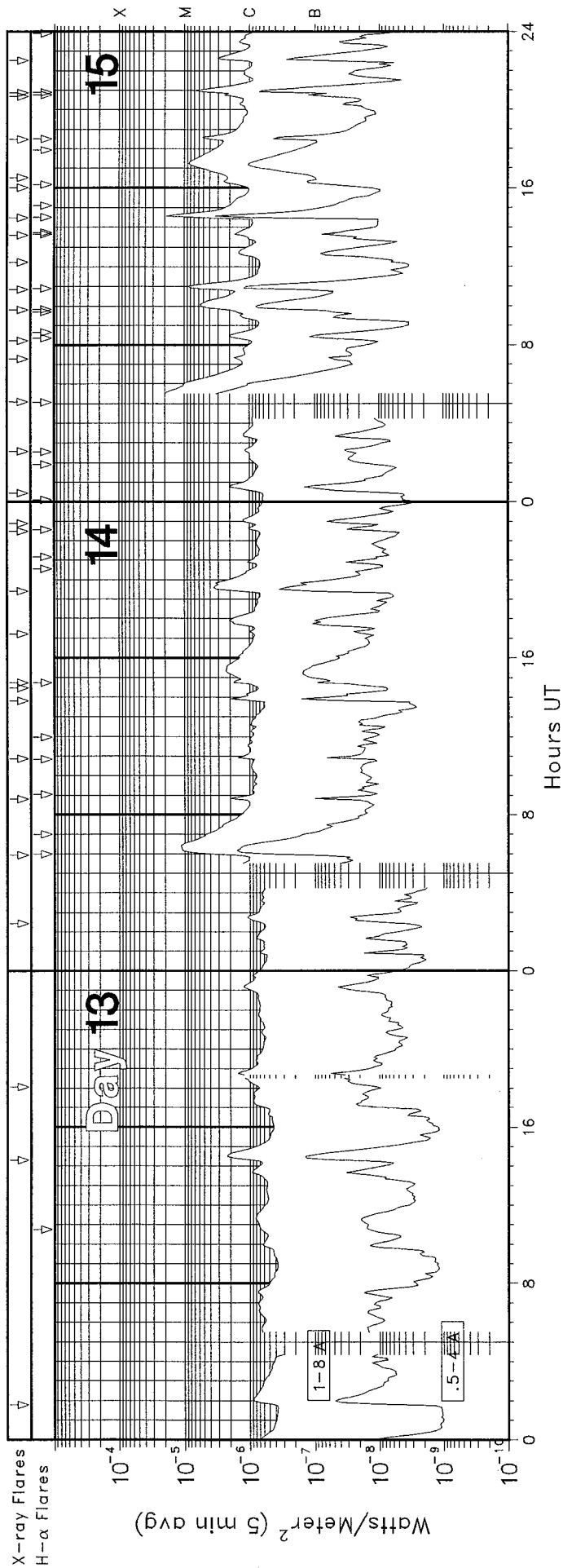


GOES X-RAY DETECTOR September 2000

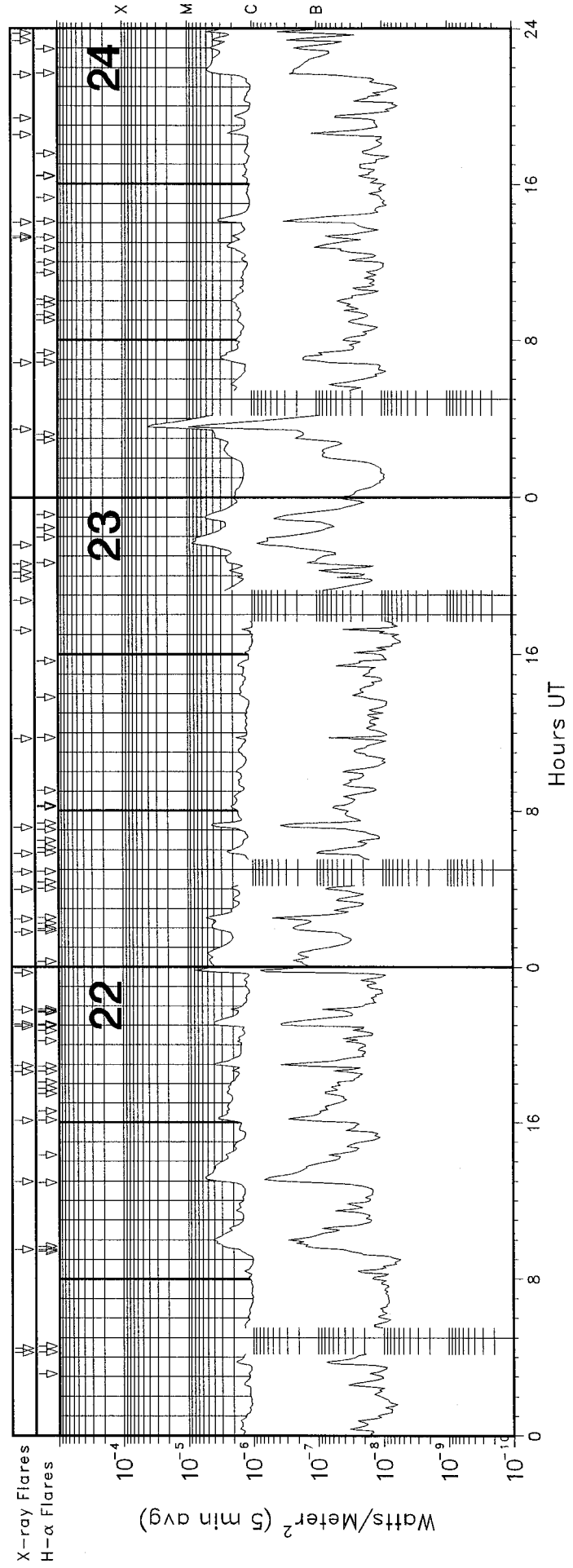
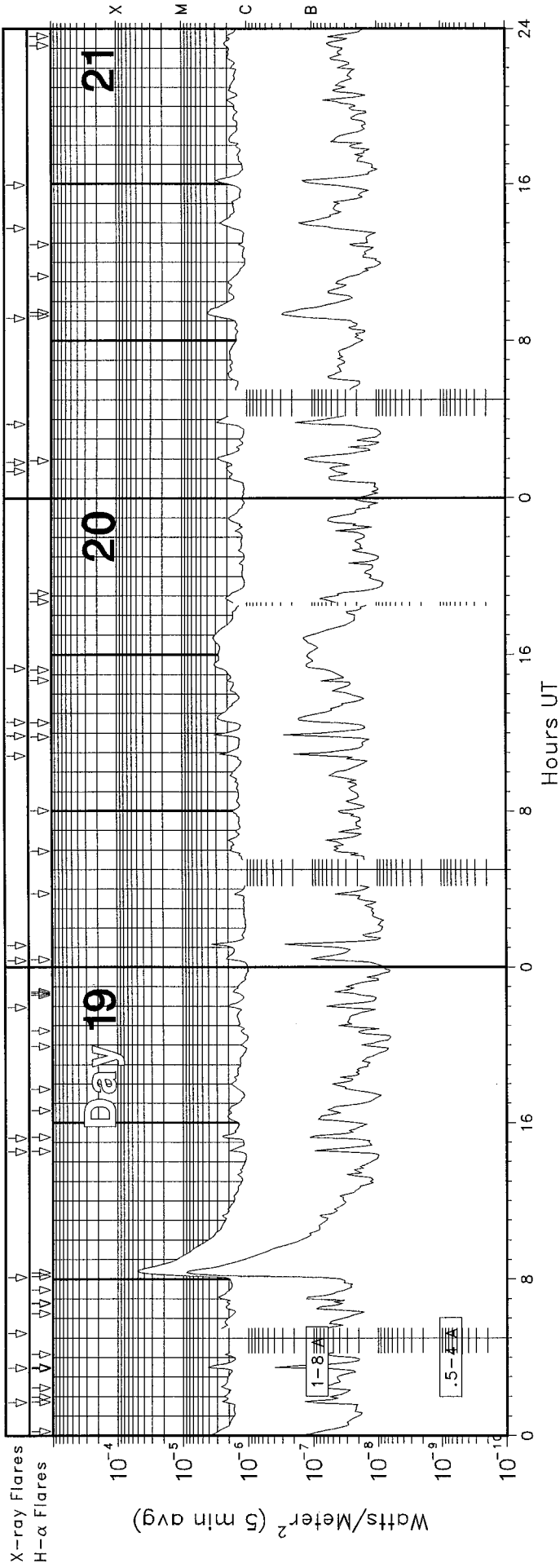


GOES X-RAY DETECTOR

September 2000

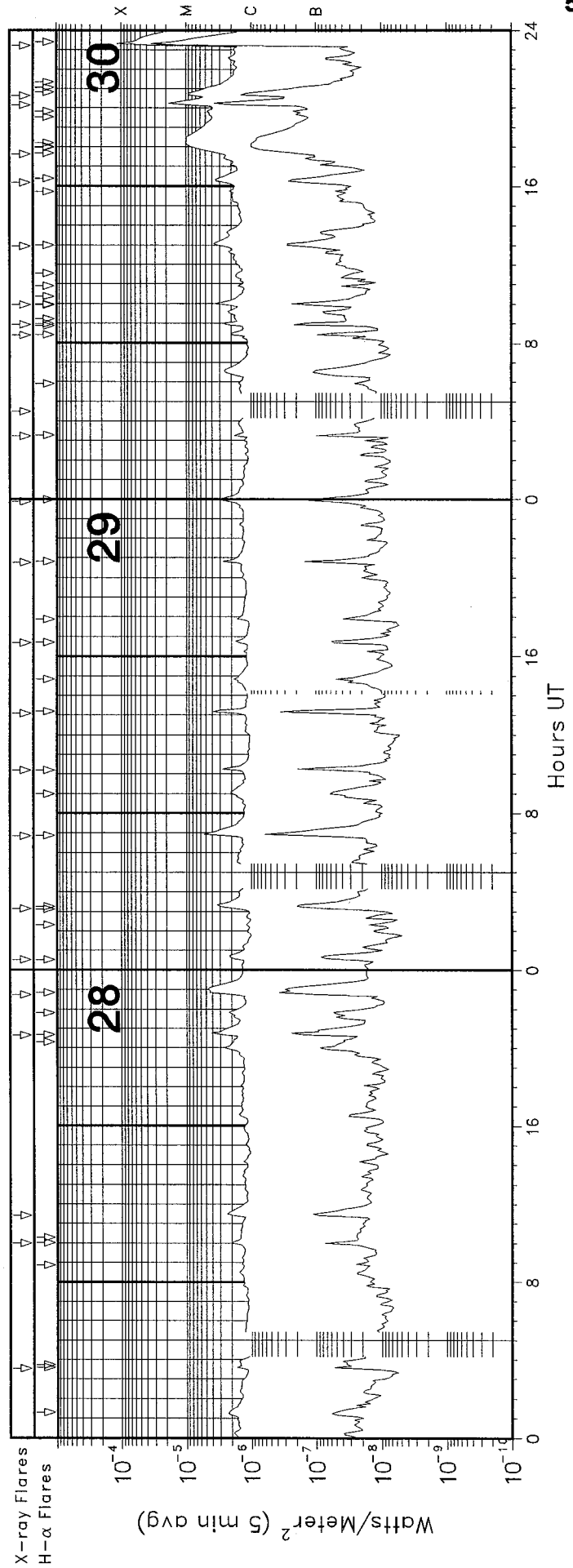
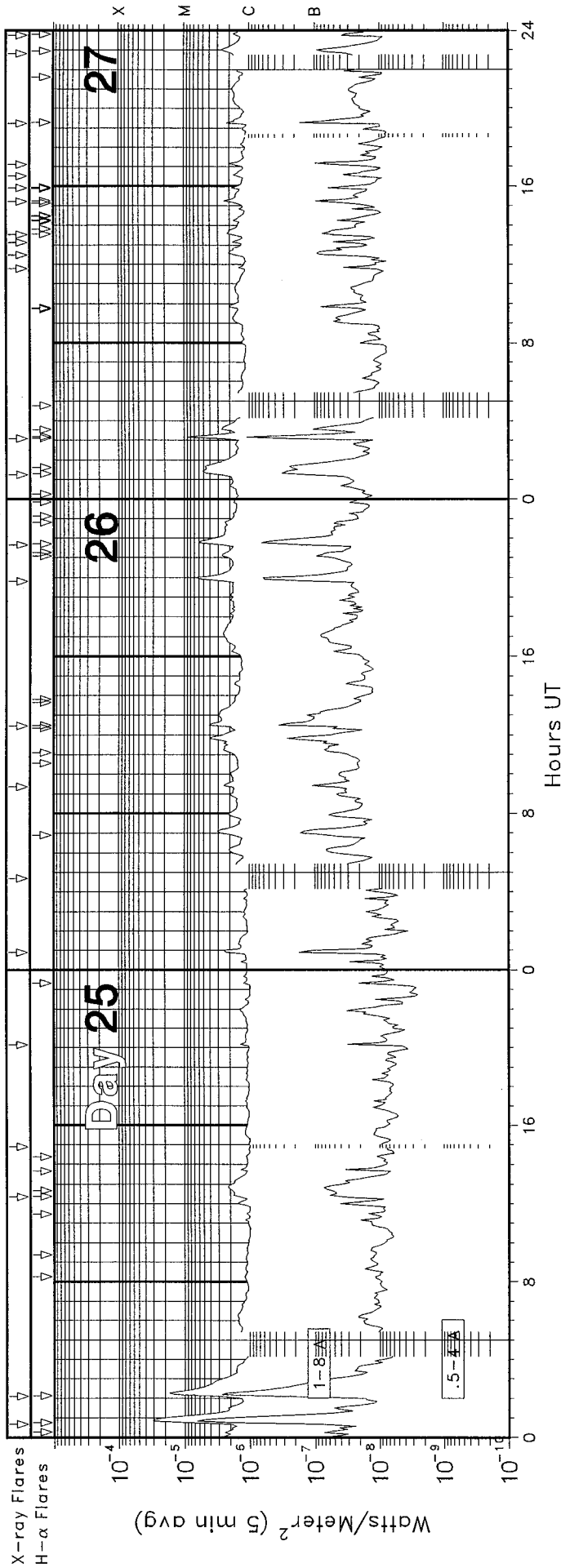


GOES X-RAY DETECTOR September 2000



GOES X-RAY DETECTOR

September 2000



GOES SOLAR X-RAY FLARES
Preliminary Listing

September 2000

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
01	0425	0505				C1.1		1.4E-03
01	0526	0606	S20	W18	SF	C1.6	9143	6.7E-03
01	1215	1219				B8.4		2.8E-04
01	1805	1820	N10	W60	1N	C9.1	9140	7.9E-03
02	0205	0340				C2.3		1.2E-02
03	0239	0244				C1.0		8.5E-04
03	2240	2246				C3.7		2.3E-03
03	2330	2333	S22	E19	1F	C4.2	9154	9.4E-04
04	0103	0109	S21	E17	1N	M1.3	9154	3.7E-03
04	0649	0652	S20	E17	SF	C1.5	9154	3.8E-04
04	1057	1101				C1.2		8.8E-04
04	1134	1138	N13	W19	SF	C1.6	9149	4.8E-04
04	1248	1251	N14	W20	SF	C1.3	9149	5.0E-04
04	1414	1418	S20	E10	SF	C2.2	9154	7.7E-04
04	1450	1454	N13	W21	SF	C2.9	9149	1.1E-03
04	1534	1537				C1.3		4.0E-04
04	1633	1638	N14	W22	SF	C2.7	9149	1.2E-03
04	1723	1726				C1.7		6.0E-04
04	1745	1750	N13	W22	SF	C3.3	9149	9.6E-04
04	1901	1909				C4.1		2.3E-03
04	1950	1955				C3.3		1.1E-03
04	2013	2016	S19	E08	SF	C2.0	9154	1.5E-03
04	2034	2046	S20	E08	SF	C2.1	9154	2.0E-03
04	2129	2135	S19	E07	SF	C4.9	9154	1.5E-03
05	0002	0008	S19	E06	SF	C6.3	9154	2.3E-03
05	0159	0203				C3.7		1.1E-03
05	0225	0229				C2.1		6.7E-04
05	0504	0508				C3.0		8.5E-04
05	0815	0818	S22	W01	SF	C2.2	9154	1.8E-03
05	1010	1015				C2.7		1.1E-03
05	1039	1042				C1.6		4.2E-04
05	1900	1913	N12	W38	SF	C2.6	9149	3.4E-03
05	2121	2125	S19	W04	SF	C1.6	9154	8.0E-04
05	2147	2151	S17	W07	SF	C1.6	9154	6.2E-04
05	2212	2224				C2.1		2.7E-03
06	0021	0025	N12	W36	SF	C1.5	9149	5.2E-04
06	0133	0142	S17	W11	SF	C2.7	9149	3.5E-03
06	0338	0357	S22	W14	SF	C1.7	9154	1.7E-03
06	1335	1340	S18	W15	SF	C2.2	9154	6.7E-04
06	1459	1529	S20	W19	SF	C2.2	9154	6.0E-03
06	1844	1850				C1.2		8.5E-04
06	2232	2241	N28	E78	SF	C2.3		2.0E-03
07	1054	1115	N08	W43	SF	C4.4	9151	8.0E-03
07	1303	1310	N08	W45	SF	C2.7	9151	2.7E-03
07	1851	1858	N12	W58	SF	C1.6	9149	1.3E-03
07	1957	2001				C2.2		5.4E-04
07	2032	2055	N06	W47	SF	C7.2	9151	1.3E-02
08	0027	0040				C1.1		1.3E-03
08	0401	0406	N07	W53	SF	C1.0	9151	8.2E-04
09	0510	0520	S19	W52	SF	C1.0	9154	7.9E-04
09	0828	0849	N07	W67	1N	M1.6	9151	2.3E-02
09	1704	1723				C1.1		1.3E-03
09	2349	0010	N23	E37	SF	C1.8	9158	4.4E-03
10	1451	1455				B6.3		2.7E-04
10	2222	2249				C1.4		3.4E-03
11	0219	0222	S18	W77	SF	B6.6	9154	1.7E-04
11	0307	0313				C1.2		7.1E-04
11	0702	0715	S22	W87	SF	C4.2	9154	5.8E-03
11	0914	0921	S19	W88	SF	C2.0	9154	1.4E-03
11	1303	1307				B6.6		2.2E-04
11	1743	1813	N30	E17	SF	C1.3	9158	3.3E-03
12	0045	0055				C1.1		1.9E-03
12	0536	0542	N24	E07	SF	B9.8	9158	4.3E-04
12	0855	0921				C4.6		8.5E-03
12	1131	1213	S17	W09	2N	M1.0		4.5E-02
13	0146	0205				B8.9		2.7E-03
13	1419	1434				C2.2		3.0E-03
13	1803	1848				C1.6		3.1E-03
14	0226	0248				C1.1		1.6E-03
14	0556	0627				M1.1		2.8E-02
14	0848	0853				C2.2		8.7E-04
14	1052	1056	N12	E20	SF	C1.6	9165	8.6E-04
14	1349	1356				C2.2		1.1E-03
14	1427	1523				C2.3	9166	9.1E-03
14	1443	1448	S15	E82	SF	C2.1	9166	1.0E-03
14	1713	1720				C1.0		6.1E-04
14	1924	1935				C3.6		6.5E-03
14	2229	2241	S12	E79	SF	C1.0	9166	9.7E-04
14	2253	2306				C1.2		1.3E-03
15	0027	0048				C2.0		2.8E-03
15	0235	0240	S15	E75	SF	C1.2	9166	6.9E-04
15	0505	0532				M2.1	9165	4.0E-02
15	0717	0720				C1.8		6.9E-04
15	0814	0819	N12	E10	SF	C2.1	9165	2.4E-03
15	0949	1005	N15	E07	SF	C5.8	9165	8.7E-03
15	1051	1100	N13	E08	SF	C9.5	9165	6.9E-03
15	1214	1245				C1.4		3.1E-03
15	1337	1341	S12	E71	SF	C1.7	9166	1.0E-03
15	1429	1437	N12	E07	1N	M2.0	9165	1.1E-02
15	1601	1620				C2.5		3.3E-03
15	1632	1716	N14	E04	SF	C8.7	9165	2.3E-02
15	1829	1835	S14	E71	SF	C6.1	9166	3.1E-03
15	2041	2046	S33	W71	SF	C2.4	9156	1.4E-03
15	2052	2100	N12	E04	SF	C7.4	9165	4.4E-03
15	2231	2240				C3.1		3.0E-03
16	0027	0031				C1.2		9.5E-04
16	0221	0228	N15	W07	SF	C1.3	9165	1.6E-03
16	0335	0344	N12	W01	1N	C7.2	9165	4.7E-03
16	0406	0426	N14	W07	2B	M5.9	9165	9.8E-02
16	0859	0922	N12	W04	SF	C2.6	9165	4.3E-03
16	1022	1034				C2.4		9.7E-04
16	1116	1121				C1.8		1.3E-03
16	1307	1311	N14	W08	SF	C2.2	9165	8.1E-04
16	1416	1428	N13	W07	2N	M3.3	9165	1.4E-02
16	1641	1646	S12	E56	SF	C1.8	9166	8.5E-04
16	1857	1909				C1.7		1.4E-03
16	2013	2019	N14	W14	SF	C2.7	9165	1.4E-03
16	2213	2217	N12	W09	SF	C3.4	9165	9.6E-04
16	2251	2254	N11	W10	SF	C1.7	9165	6.4E-04
17	0039	0042	N12	W12	SF	C3.8	9165	9.6E-04
17	0158	0200	S13	E49	SF	C1.5	9166	9.0E-04
17	0257	0300				C1.7		6.7E-04
17	0446	0449	N13	E86	SF	C1.6	9167	3.4E-04
17	0513	0516	N13	W15	SF	C2.9	9165	6.6E-04

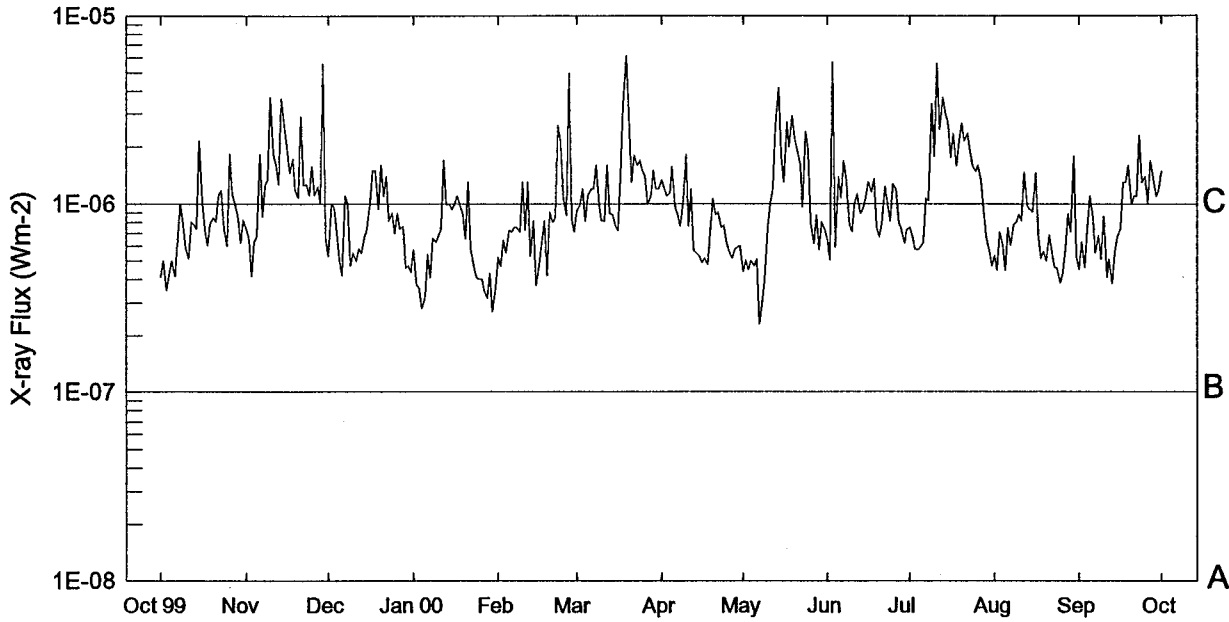
GOES SOLAR X-RAY FLARES
 Preliminary Listing

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 Sep 00

September 2000

Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF						Imp Xray	Region	Flux
				Lat	CMD	Opt	Xray	Region	Flux			
17	0531	0538	0544	N14	W18	SF	C3.1	9165	2.1E-03			
17	0633	0643	0649	N13	E85	1F	C5.4	9167	3.8E-03			
17	1022	1025	1028				C2.3		7.0E-04			
17	1217	1224	1237				C4.7		4.2E-03			
17	1632	1641	1647	N13	W25	SF	C2.2	9165	1.8E-03			
17	1748	1751	1758				C1.6		8.7E-04			
17	1819	1825	1838	N13	W26	SF	C1.6	9165	1.6E-03			
17	2055	2103	2134	N16	E75	SF	C3.4	9167	6.0E-03			
18	0113	0133	0137				C3.0		3.2E-03			
18	0244	0249	0251	N12	E69	SF	C2.3	9167	8.5E-04			
18	0333	0336	0338	N15	W33	SF	C3.2	9165	6.7E-04			
18	0518	0529	0556	S10	E35	SF	C3.2	9166	3.3E-03			
18	0759	0806	0820				C1.9		2.1E-03			
18	1219	1231	1242	N12	E63	SF	C3.3	9167	4.1E-03			
18	2105	2114	2129				C5.7	9166	6.7E-03			
18	2217	2223	2228	S11	E24	SF	C4.3	9166	2.4E-03			
18	2347	2352	2356				C8.6	9166	3.2E-03			
19	0141	0145	0152	S14	E25	SF	C2.6	9166	1.6E-03			
19	0328	0332	0337	S15	E23	SF	C4.9	9166	2.0E-03			
19	0513	0518	0535				C2.9		3.5E-03			
19	0806	0826	0842	N14	W46	1N	M5.1	9165	7.1E-02			
19	1431	1435	1441	N10	E66	SF	C2.0	9169	1.0E-03			
19	1513	1519	1524	S08	E12	1F	C3.0	9166	1.5E-03			
19	2156	2203	2209				C2.0		1.4E-03			
20	0021	0027	0046	N13	E44	SF	C2.1	9167	2.8E-03			
20	0107	0110	0114				C4.1		1.4E-03			
20	1051	1056	1100				C2.8		1.2E-03			
20	1151	1156	1201	N05	E52	SF	C3.4	9169	1.6E-03			
20	1233	1247	1301				C2.8		4.1E-03			
20	1519	1531	1542	N09	E41	SF	C3.1	9169	4.1E-03			
21	0122	0134	0140				C2.1		2.1E-03			
21	0150	0205	0210	N12	E45	SF	C3.0	9169	3.0E-03			
21	0345	0353	0407				C2.9		3.3E-03			
21	0908	0928	0957				C4.1		8.9E-03			
21	1344	1403	1416				C2.5		4.0E-03			
21	1557	1613	1628				C2.9		4.1E-03			
22	0415	0418	0421	N07	E21	SF	C1.7	9169				
22	0427	0443	0500	N15	W87	SF	C2.6	9165				
22	0930	1003	1017	N08	E17	SF	C4.4	9169	8.9E-03			
22	1258	1311	1350	N07	E23	SF	C5.5	9169	1.4E-02			
22	1606	1614	1622	N08	E24	SF	C3.6	9169	3.0E-03			
22	1837	1841	1848	N11	E13	SF	C2.1	9169	1.3E-03			
22	1856	1902	1908	N09	E23	SF	C4.4	9169	2.5E-03			
22	2057	2101	2103	N12	E15	SF	C5.3	9169	1.1E-03			
22	2103	2109	2117	S14	W26	1F	C4.2	9166	3.2E-03			
22	2148	2152	2154	N14	E18	SF	C2.6	9169	7.7E-04			
22	2342	2350	0000				C8.5		5.7E-03			
23	0148	0204	0222	S13	W31	SF	C4.2	9166	7.6E-03			
23	0228	0232	0237	N11	E09	SF	C5.6	9169	2.6E-03			
23	0359	0402	0409	S10	W34	SF	C2.2	9166	1.2E-03			
23	0452	0457	0502	N11	E06	SF	C2.2	9169	1.2E-03			
23	0548	0555	0602	N17	W04	SF	C2.7	9167	1.9E-03			
23	0708	0719	0723	N05	E11	SF	C5.4	9169	3.5E-03			
23	1142	1145	1148	N12	E08	SF	C2.1	9169	6.1E-04			
23	1713	1716	1718				C1.7		4.2E-04			
23	1844	1852	1910				C3.8		5.4E-03			
23	1952	1956	1958				C1.9		5.7E-04			
23	2011	2014	2018				C2.7		9.0E-04			
23	2036	2100	2111	S14	W44	SF	C2.6	9166	4.9E-03			
23	2135	2142	2151	N09	E02	1F	C8.6	9169	7.2E-03			
24	0328	0338	0347	S15	W45	2N	M4.3	9166	3.0E-02			
24	0650	0711	0726	S11	W50	SF	C3.0	9166	5.3E-03			
24	1314	1317	1319	N11	W11	SF	C1.8	9169	5.1E-04			
24	1319	1321	1323	S10	W51	SF	C2.2	9166	4.7E-04			
24	1402	1408	1418	S10	W53	SF	C3.6	9166	2.8E-03			
24	1831	1837	1844				C2.4		1.6E-03			
24	1922	1930	1938				C1.9		1.5E-03			
24	2137	2154	2244	S14	W55	SF	C5.0	9166	1.6E-02			
24	2323	2327	2334	S11	W56	SF	C4.4	9166	2.4E-03			
24	2346	2351	2356				C5.6		2.4E-03			
25	0041	0053	0104	S11	W59	1N	M3.4	9166	2.7E-02			
25	0205	0215	0225				M1.8		1.5E-02			
25	1221	1254	1313	N17	W15	SF	C2.2	9169	5.7E-03			
25	1454	1457	1459				C1.8		4.3E-04			
25	2008	2011	2014				C1.5		4.7E-04			
26	0055	0059	0102				C4.2		1.1E-03			
26	0443	0446	0448				C2.0		5.1E-04			
26	0922	0926	0936				C2.5		1.9E-03			
26	1228	1231	1241	S15	E59	SF	C4.3	9173	2.9E-03			
26	1949	2000	2005				C8.2		4.8E-03			
26	2140	2149	2159	S13	E57	SF	C6.7	9173	5.5E-03			
27	0115	0126	0149	N17	W52	SF	C5.2	9167	9.0E-03			
27	0305	0312	0316	N18	W56	1N	C9.6	9167	4.1E-03			
27	1148	1151	1153				C1.8		4.3E-04			
27	1229	1235	1248				C2.0		2.1E-03			
27	1308	1311	1315				C1.8		7.1E-04			
27	1331	1336	1352	S07	E77	SF	C2.2	9176	2.5E-03			
27	1513	1517	1520	N14	W44	SF	C2.4	9169	9.6E-04			
27	1554	1557	1600	N07	W48	SF	C2.1	9169	6.4E-04			
27	1631	1635	1641				C1.7		9.6E-04			
27	1707	1710	1712				C2.6		6.1E-04			
27	1914	1918	1920	N07	W50	SF	C3.6	9169	7.7E-04			
27	2249	2302	2309	S16	E41	SF	C2.7	9173	2.7E-03			
27	2346	2349	2352	S14	E36	SF	C2.0	9173	6.4E-04			
28	0333	0336	0339	N12	W56	SF	C1.9	9169	5.7E-04			
28	1000	1004	1006				C2.4		7.7E-04			
28	1124	1132	1146				C2.4		2.8E-03			
28	2039	2046	2052	S11	E23	SF	C4.4	9173	2.6E-03			
28	2244	2302	2317	S13	E25	1F	C4.7	9173	7.6E-03			
29	0032	0045	0054	S12	E23	SF	C2.2	9173	2.6E-03			
29	0310	0321	0329	S23	E62	SF	C3.4	9178	3.1E-03			
29	0651	0657	0705	S13	E18	1F	C5.9	9173	3.4E-03			
29	1011	1017	1022	S07	E50	SF	C3.0	9176	1.5E-03			
29	1305	1313	1317				C4.5		2.2E-03			
29	1640	1644	1650	S12	E15	SF	C1.9	9173	9.8E-04			
29	2046	2051	2056	S11	E13	SF	C2.8	9173	1.4E-03			
29	2353	0001	0008	N11	W78	1F	C2.9	9169	2.4E-03			
30	0314	0318	0321	S13	E10	SF	C2.3	9173	7.6E-04			
30	0429	0434	0436	S13	E09	SF	C4.7	9173	1.2E-03			
30	0824	0829	0835	S21	E45	SF	C2.2	9178	1.3E-03			
30	0855	0859	0901	S13	E07	SF	C5.7	9173	1.1E-03			
30	0956	1001	1007	S24	E50	SF	C3.7	9178	2.0E-03			
30	1257	1306	1314	S24	E42	SF	C3.9	9178	3.4E-03			
30	1611	1619	1629	S20	E43	SF	C3.6	9178	3.4E-03		</	

Preliminary GOES Satellite Daily X-Ray Background Oct 1999 - Sep 2000



Day	Oct 99	Nov	Dec	Jan 00	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	B4.1	B7.3	B5.3	B5.7	B5.2	B9.2	C1.3	B4.4	B6.4	B7.4	B5.2	B4.5
2	B4.9	B6.5	C1.0	B3.7	B4.7	B9.9	C1.2	B5.0	B5.0	B6.7	B4.4	B6.3
3	B3.4	B4.1	B9.6	B3.6	B6.4	C1.2	C1.0	B4.5	C5.6	B5.7	B7.0	B4.6
4	B4.2	B6.3	B7.1	B2.8	B5.5	B8.1	C1.1	B5.0	B5.9	B5.7	B6.0	B7.5
5	B4.9	B6.7	B5.1	B3.2	B7.2	C1.1	C1.5	B4.7	C1.3	B5.9	B4.4	C1.1
6	B4.1	C1.8	B4.2	B5.4	B7.1	C1.2	B9.6	B5.1	C1.0	B6.2	B7.4	B8.2
7	B5.7	B8.5	C1.1	B4.1	B7.5	C1.2	B8.7	B2.3	C1.6	C1.0	B6.0	B5.5
8	C1.0	C1.2	C1.0	B6.6	B7.5	C1.6	B7.6	B2.9	C1.3	C1.0	B7.7	B6.8
9	B7.9	C1.3	B4.7	B6.3	B7.1	B9.7	C1.0	B3.9	B7.7	C3.3	B7.9	B5.1
10	B5.8	C3.6	B5.5	B6.8	C1.3	B8.2	C1.8	B7.4	B7.1	C1.7	B8.7	B8.6
11	B5.1	C1.8	B5.0	B7.4	B7.3	B8.1	B7.6	C1.0	C1.0	C5.5	B8.2	B4.1
12	B7.9	C1.6	B5.8	C1.7	C1.3	C1.6	C1.1	C1.2	C1.1	C2.4	C1.4	B5.1
13	B7.8	C1.2	B5.5	B9.9	B5.3	B8.9	B5.6	C2.6	B8.8	C3.6	B9.7	B3.8
14	B7.3	C3.6	B6.8	C1.0	B8.1	B8.7	B5.4	C4.1	B9.4	C2.9	B9.3	B5.5
15	C2.1	C2.5	B7.2	B9.3	B3.7	B7.7	B5.3	C1.8	C1.0	C2.6	B9.0	B6.7
16	C1.0	C1.9	C1.0	C1.0	B4.6	B7.2	B4.8	C1.3	C1.2	C1.7	C1.4	B7.4
17	B7.3	C1.4	C1.5	C1.1	B5.9	C1.4	B5.1	C2.7	C1.1	C2.3	B6.7	C1.3
18	B6.0	C1.7	C1.5	C1.0	B8.1	C3.4	B4.7	C2.0	C1.3	C1.5	B5.1	C1.3
19	B7.9	C1.1	B9.4	B8.8	B4.2	C6.1	B7.2	C2.9	B7.4	C2.1	B5.5	C1.6
20	B8.4	C1.0	C1.6	B6.5	B9.0	C2.9	C1.0	C2.2	B6.7	C2.6	B5.0	C1.0
21	B8.0	C2.8	C1.1	C1.3	B8.0	C1.3	B8.7	C1.9	B7.9	C2.1	B6.8	C1.1
22	C1.1	C1.2	C1.4	B5.8	B8.4	C1.8	B8.9	C1.6	C1.2	C2.3	B5.5	C1.1
23	C1.1	C1.2	B8.2	B4.7	C2.6	C1.6	B7.4	B9.6	B9.9	C1.8	B4.5	C2.3
24	B7.5	C1.1	B8.9	B4.1	C2.1	C1.7	B7.6	C2.4	B8.1	C1.5	B4.5	C1.3
25	B5.9	C1.5	B7.0	B4.0	C1.1	C1.5	B6.2	C1.9	C1.2	C1.4	B3.8	C1.4
26	C1.8	C1.1	B8.9	B4.0	B8.7	C1.4	B5.5	B7.9	C1.1	C1.5	B4.3	C1.0
27	C1.1	C1.2	B7.4	B3.5	C4.9	C1.0	B5.1	B6.2	B7.9	C1.3	B5.8	C1.7
28	C1.0	B9.9	B7.6	B3.2	B8.4	C1.1	B5.7	B8.7	B7.3	B9.2	B8.8	C1.4
29	B8.4	C5.5	B4.6	B4.3		C1.5	B5.8	B5.7	B6.2	B6.6	B7.1	C1.1
30	B6.2	B6.5	B4.7	B2.7		C1.2	B6.0	B8.0	B8.0	B5.5	C1.7	C1.2
31	B8.1		B4.4	B3.6		C1.2		B7.3		B4.6	B5.2	

ACTIVE PROMINENCES AND FILAMENTS

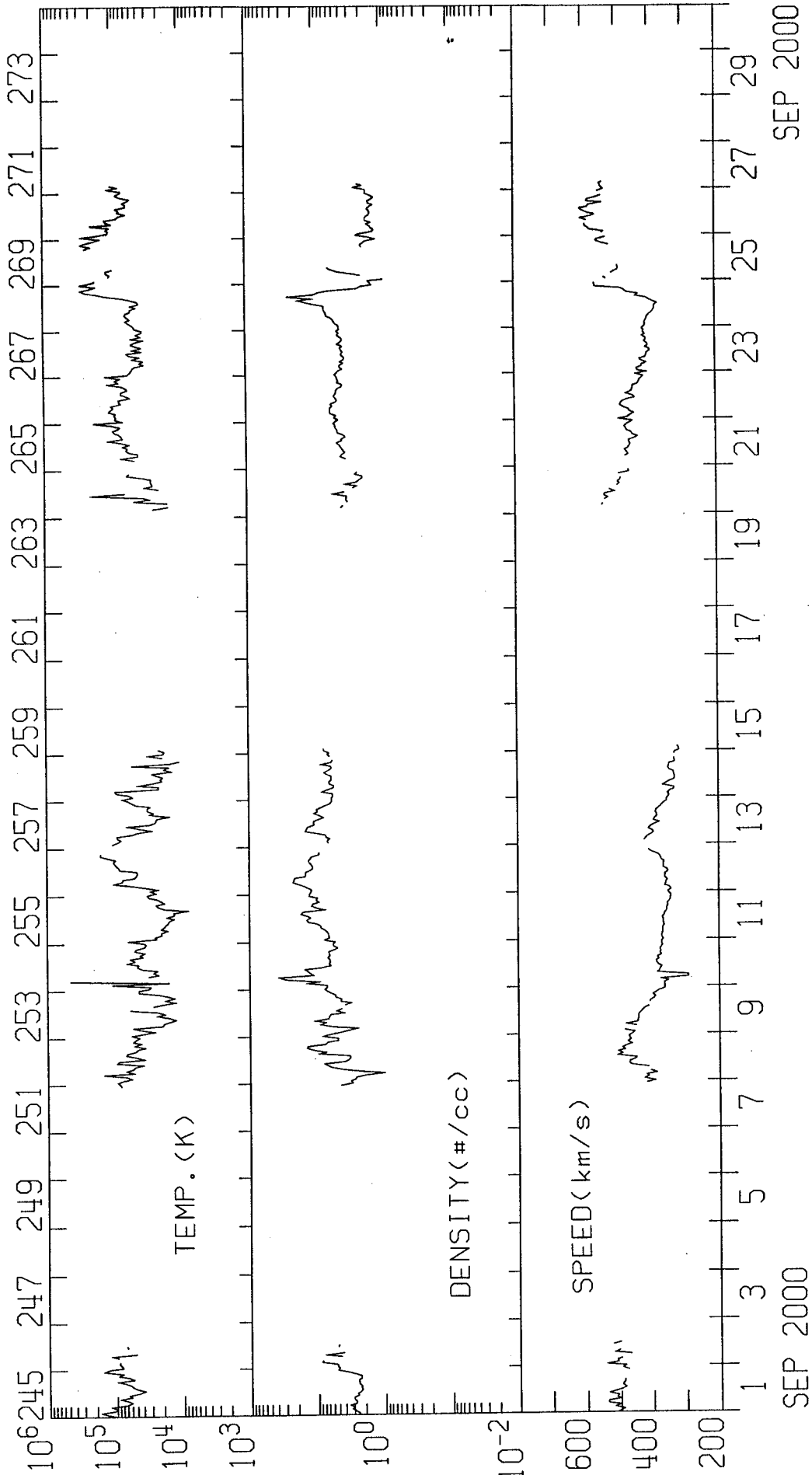
59
Sep 00

SEPTEMBER 2000

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
01	DSF	1632U	0513U	S30	W07	09	1.1	2	08	0	0	E	SVTO		
01	DSF	2031U	1150U	S29	W20	08	31.3		06	0	0	E	RAMY		
01	DSF	2031U	1150U	S30	W02	09	1.7		12	0	0	E	RAMY		
01	DSF	2031U	1150U	S35	E47	09	5.6		10	0	0	E	RAMY		
02	DSF	0046U	1332U	S33	W21	08	31.4	3	09	0	0	E	HOLL		
04	DSF	0501U	0606	N12	W37	09	1.4	3	32	0	0	E	SVTO		
04	DSF	0510	0607U	N13	W38	09	1.3	3	31	0	0	E	LEAR		
05	DSF	1801U	1157U	S26	E20	09	7.3		14	0	0	E	RAMY		
10	DSF	2108U	1214	N46	W05	09	10.5		55	0	0	E	RAMY		
11	DSF	0019U	1330U	N41	E17	09	12.4	3	10	0	0	E	HOLL		
11	DSF	0907U	2342U	N41	E13	09	12.4	3	14	0	0	E	LEAR		
11	DSF	0907U	2342U	N43	W09	09	10.6	3	26	0	0	E	LEAR		
11	DSF	1241U	1334U	N38	W01	09	11.4	2	12	0	0	E	SVTO		
11	DSF	1534U	0629U	N23	E13	09	12.6	3	12	0	0	E	SVTO		
12	DSF	0821U	2332U	S11	W16	09	11.1	3	26	0	0	E	LEAR		
12	DSF	1050U	1230	S12	W18	09	11.1	3	23	0	9	E	SVTO		Flare Associated
16	DSF	1450U	0530U	S14	E27	09	18.6	3	07	0	0	E	SVTO		
16	DSF	1450U	0530U	S25	E21	09	18.2	3	11	0	0	E	SVTO		
18	DSF	0034U	1335U	N14	W60	09	13.5	3	30	0	0	E	HOLL		
18	DSF	0637	1145	N28	W41	09	15.1	3	30	9	9	E	SVTO		
18	DSF	0848U	2340U	N20	W56	09	14.1	3	16	0	0	E	LEAR		
20	DSF	1525U	0706U	N33	E14	09	21.7	3	08	0	0	E	SVTO		
20	DSF	2107U	1118	N39	E10	09	21.7		08	0	0	E	RAMY		
21	DSF	1658U	1118U	S10	W45	09	18.3		07	0	0	E	RAMY		
22	DSF	2113U	1130U	N18	E23	09	24.6		11	0	0	E	RAMY	9169	
23	BSL	0903U	1006	S07	E90	09	30.1	2	12	9	9	V	KHAR		
23	ADF	0958	1015D	N28	E04	09	23.7	1	05	9	9	V	KHAR		
23	BSL	1110E	1128	S06	E90	09	30.2	1	04	9	9	V	KHAR		
24	ADF	0920	0930	N15	W11	09	23.5	1	07	9	9	V	KHAR		
24	ADF	1000U	1028	N15	W11	09	23.6	1	07	9	9	V	KHAR		
24	APR	1030U	1132D	N06	E90	10	1.2	2	14	9	9	V	KHAR		
26	APR	1010E	1130D	S05	E90	10	3.1	2	06	9	9	V	KHAR		
27	BSL	0900U	0925	S05	E90	10	4.1	1	04	9	9	V	KHAR		
27	APR	0915	1000	S15	E90	10	4.2	1	02	9	9	V	KHAR		
27	DSF	0932U	2231U	S32	E09	09	28.1	2	16	0	0	E	LEAR		
27	DSF	0932U	2231U	S35	E35	09	30.2	2	17	0	0	E	LEAR		
27	DSD	0953	1008	N05	W41	09	24.3	1	01	9	9	V	KHAR		
27	APR	1026	1056	S15	E90	10	4.2	1	02	9	9	V	KHAR		
27	DSF	1603U	0531U	S24	E19	09	29.1	2	08	0	0	E	SVTO		
27	DSF	1938	1959	S23	E15	09	29.0	3	18	0	0	E	HOLL		
28	ADF	0904	0916	S12	W50	09	24.6	1	02	9	9	V	KHAR		
28	ADF	1008	1024	S02	W52	09	24.5	1	03	4	9	V	KHAR		
30	BSL	0759E	0831	S30	E90	10	7.4			8	9	E	LEAR		
30	BSL	0853U	0902	N01	W90	09	23.6	1	02	9	9	V	KHAR		
30	ADF	0909U	0925	S03	E34	10	2.9	1	03	9	9	V	KHAR		
30	DSD	0945E	0955	S17	E51	10	4.3	1	06	9	4	V	KHAR		
30	BSL	0945E	0956	N04	W90	09	23.7	1	02	9	9	V	KHAR		
30	ADF	1026U	1042	S04	E30	10	2.7	1	04	9	9	V	KHAR		
30	ADF	1056	1115	S10	E18	10	1.8	1	08	9		V	KHAR		

IMP 8 SOLAR WIND PLASMA
SEPTEMBER 2000

MIT/CSR IMP 8 PLASMA PARAMETERS



IMP 8 MIT ONE-HOUR AVERAGES