

MARCH 2002 NUMBER 691 - Part II



Solar-Geophysical Data comprehensive reports

Data for September 2001 and Miscellaneous
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NATIONAL ENVIRONMENTAL SATELLITE,
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Number 691

(Issued in Two Parts)

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H α SOLAR FLARES

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
								Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	
0001	LEAR	01	0831	0833	0838	N13	E30	9601	09	3.6	7	SF	3	E	13		F
0002	URUM	01	1031E	1031	1031D	N17	E17		09	2.7	7D	1N		P	177	2.9	E
0003	RAMY	01	1255	1255	1306	N17	E27	9601	09	3.6	11	SF	3	E	10		
0004	01	13324	13342	1356	N14	E26	9601	09	3.5	24	SF				48		F
	HOLL	01	1332	1334	1401	N12	E26	9601	09	3.5	29	SF	3	E	66		F
	RAMY	01	1336	1336	1350	N16	E26	9601	09	3.5	14	SF	3	E	30		
	01	1851		2113	No Flare Patrol												
0005	HOLL	01	2048	2049	2054	S19	W54	9591	08	28.8	6	SF	3	E	12		
	01	2214		2314	No Flare Patrol												
0006	URUM	02	0402E	0402	0402D	N20	E14	9601	09	3.2	6D	1N		P	193	2.1	E
0007	LEAR	02	0420	0421	0424	N14	E14	9601	09	3.2	4	SF	3	E	13		F
0008	URUM	02	0428E	0428	0445	N17	E05	9601	09	2.6	17D	SN		P	193	2.0	E
0009	URUM	02	0438	0445	0511	N15	E16	9601	09	3.4	33	1N		C	321	3.5	E
0010	LEAR	02	0439	0439	0442	N10	E14	9601	09	3.2	3	SF	3	E	19		F
0011	LEAR	02	0504	0505	0510	S17	W65	9591	08	28.4	6	SF	2	E	23		F
0012	URUM	02	0543	0547	0551	S22	W59	9591	08	28.8	8	1N		C	241		E
0013	02	05545	06011	0612	S16	W66	9591	08	28.3	18	2N				217		EFH
	LEAR	02	0554	0601	0614	S17	W66	9591	08	28.3	20	1F	3	E	113		FH
	URUM	02	0559	0602	0610	S15	W66	9591	08	28.3	11	2B		C	321		E
0014	URUM	02	0602	0606	0610	N13	E18	9601	09	3.6	8	1N		C	209	2.3	E
0015	LEAR	02	0615	0617	0654	N16	E18	9601	09	3.6	39	SF	2	E	42		F
0016	URUM	02	0618	0626	0715	N12	E18	9601	09	3.6	57	1B		C	402	4.4	E
0017	URUM	02	0919E	0919U	0931	N13	E13	9601	09	3.4	12D	SB		P	193	2.1	E
	02	1010		1028	No Flare Patrol												
0018	RAMY	02	1144	1145	1147	S17	W71	9601	08	28.2	3	SF	3	E	13		
0019	RAMY	02	1151	1152	1201	S17	W71	9591	08	28.2	10	SF	3	E	19		F
0020	RAMY	02	1219	1220	1224	N11	E11	9601	09	3.3	5	SF	3	E	14		
0021	RAMY	02	1242	1242	1247	S18	W74	9591	08	28.0	5	SF	3	E	16		
0022	RAMY	02	1250	1251	1254	S18	W74	9591	08	28.0	4	SF	3	E	42		
0023	RAMY	02	1311	1315	1326	N16	E10	9601	09	3.3	15	SF	3	E	19		F
0024	RAMY	02	1345	1346	1430	S21	W65	9591	08	28.7	45	2N	3	E	305		FH
0025	RAMY	02	1513	1517	1540	N12	E11	9601	09	3.5	27	SF	3	E	53		F
0026	RAMY	02	1641	1644	1647	S17	W75	9591	08	28.1	6	SF	3	E	13		
	02	1758		2333	No Flare Patrol												
0027	LEAR	03	0327	0328	0331	N11	E02	9601	09	3.3	4	SF	3	E	52		F
0028	URUM	03	0557E	0557	0605	S05	W55		08	30.2	8D	SN		P	96	1.8	E
0029	SVTO	03	0539	0540	0543	N14	E00	9601	09	3.2	4	SF	3	E	26		

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
								Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	
0030		03	0545*	05578	0617	N12	E03	9601	09	3.5	32	SN			153	1.6	AE
	URUM	03	0545	0557	0617	N12	E06	9601	09	3.7	32	SN		C	193	2.0	E
	URUM	03	0601	0605	0605D	N12	W00	9601	09	3.2	4D	SN		P	113	1.2	A
0031		03	0553	06251	0704	N14	E05	9601	09	3.6	71	SF			26		F
	SVTO	03	0553	0625	0711	N13	E05	9601	09	3.6	78	SF	3	E	18		F
	KANZ	03	0621E	0626	0714	N15	E04	9601	09	3.6	53D	SF	2	E			
	LEAR	03	0625E	0627U	0648	N15	E05	9601	09	3.6	23D	SF	3	E	34		F
0032		03	0620*	06326	0649	N13	E02	9601	09	3.4	29	1N			225	2.3	E
	URUM	03	0620	0632	0654	N13	E07	9601	09	3.8	34	1B		C	225	2.3	E
	KANZ	03	0638	0638	0644	N13	W04	9601	09	3.0	6	SF	2	E			
0033	URUM	03	0732E	0732	0732D	N34	W59		08	29.7	6D	SB		P	80	1.7	E
0034		03	0940	0945	1014	N12	W03	9601	09	3.2	34	SF			99		F
	KANZ	03	0940	0945	1014	N11	W03	9601	09	3.2	34	SF	2	E			
	SVTO	03	0940	0946U	1013	N13	W03	9601	09	3.2	33	SF	3	E	99		F
0035		03	1042	1046	1123	N11	E02	9601	09	3.6	41	SF			68		FH
	KANZ	03	1042	1046	1106	N11	E02	9601	09	3.6	24	SF	2	E			
	SVTO	03	1042	1046	1109	N12	E02	9601	09	3.6	27	SF	3	E	77		F
	RAMY	03	1044E	1044U	1154	N11	E01	9601	09	3.5	70D	SF	3	E	59		FH
0036	RAMY	03	1542	1543	1548	S22	W58	9604	08	30.3	6	SF	3	E	25		F
0037	RAMY	03	1804	1810	1817	N10	W06	9601	09	3.3	13	SF	3	E	11		F
		03	1911		2324	No Flare Patrol											
0038	LEAR	04	0337	0338	0341	S16	E53	9606	09	8.2	4	SF	3	E	20		F
0039		04	04131	04184	0436	N14	W08	9601	09	3.6	23	SN			94	1.7	EF
	LEAR	04	0413	0418	0433	N12	W11	9601	09	3.3	20	SF	3	E	28		F
	URUM	04	0414	0422	0440	N16	W06	9601	09	3.7	26	SB		C	161	1.7	E
0040	URUM	04	0507E	0507	0530	N16	W07	9601	09	3.7	23D	SN		P	193	2.0	E
0041	LEAR	04	0854	0855	0900	N10	W17	9601	09	3.1	6	SF	3	E	14		F
0042		04	0912	0912	0916	S16	E55	9606	09	8.5	4	SF			12		
	LEAR	04	0912	0912	0916	S17	E54	9606	09	8.5	4	SF	3	E	11		
	SVTO	04	0912	0912	0916	S15	E56	9606	09	8.6	4	SF	3	E	14		
0043	URUM	04	0930E	0930	0930D	N19	W05	9601	09	4.0	4D	1N		P	225	2.4	E
0044	URUM	04	1007	1018	1027	N19	W07	9601	09	3.9	20	1N		C	241	2.6	E
0045	RAMY	04	1155	1157	1207	S17	E52	9606	09	8.4	12	SF	3	E	47		
0046	RAMY	04	1351	1351	1355	S17	E51	9606	09	8.4	4	SF	3	E	11		
0047	HOLL	04	1426	1430	1439	S16	E47	9606	09	8.2	13	SF	3	E	34		
0048	HOLL	04	1459	1500	1506	S16	E49	9606	09	8.3	7	SF	3	E	46		
0049		04	15181	1535	1614	N14	W16	9601	09	3.4	56	SF			14		F
	HOLL	04	1518	1535	1616	N15	W16	9601	09	3.4	58	SF	3	E	14		
	RAMY	04	1519	1535	1613	N14	W16	9601	09	3.4	54	SF	3	E	15		F
0050	HOLL	04	1519	1530	1532	S16	E47	9606	09	8.2	13	SF	3	E	19		F
0051		04	15358	1544	1600	S19	E46	9606	09	8.1	25	SF			12		
	HOLL	04	1535	1544	1558	S19	E45	9606	09	8.1	23	SF	3	E	10		
	RAMY	04	1543	1544	1601	S19	E47	9606	09	8.2	18	SF	3	E	14		
0052	SVTO	04	1543	1557	1603	S19	E47	9605	09	8.2	20	SF	3	E	28		F

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF			CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Region	Lat	CMD								Apparent (10-6 Disk)	Corr (Sq Deg)	
0053		04	1721	1723	1744	S16	E48	9606	09	8.4	23	SF				49		F
	HOLL	04	1721	1723	1745	S16	E46	9606	09	8.2	24	SF	3	E		57		F
	RAMY	04	1722	1723	1743	S17	E49	9606	09	8.4	21	SF	3	E		41		
0054	HOLL	04	1902	1906	1935	N13	W20	9601	09	3.3	33	SF	3	E		53		F
0055	HOLL	04	1902	1903	1907	S21	W75	9604	08	30.1	5	SF	3	E		21		
0056	HOLL	04	2008	2016	2037	S19	E45	9606	09	8.3	29	1N	3	E		100		F
0057	HOLL	04	2023	2028	2031	N14	W20	9601	09	3.3	8	SF	3	E		15		F
0058	HOLL	04	2033	2036	2043	N13	W19	9601	09	3.4	10	SF	3	E		11		
0059	HOLL	04	2058	2058	2109	S16	E45	9606	09	8.3	11	SF	3	E		22		F
0060	HOLL	04	2151	2152	2216	S16	E45	9606	09	8.3	25	SF	3	E		51		F
0061	HOLL	04	2154	2201	2232D	N15	W23	9601	09	3.2	38D	1N	3	E		236		F
			04 2233		2302	No Flare Patrol												
			05 0033		0043	No Flare Patrol												
			05 0109		0113	No Flare Patrol												
			05 0521		0544	No Flare Patrol												
			05 0606		0713	No Flare Patrol												
0062	LEAR	05	0913	0916	0921	N08	W28	9601	09	3.3	8	SF	3	E		13		
			05 0947		1007	No Flare Patrol												
			05 1017		1026	No Flare Patrol												
0063	RAMY	05	1057	1116	1136	N08	W30	9601	09	3.2	39	SF	3	E		26		F
0064	HOLL	05	1423	1423	1435	S28	E76	9608	09	11.5	12	SF	3	E		12		
0065	RAMY	05	1427	1432	1538	N15	W31	9601	09	3.2	71	2B	3	E		393		F
0066	HOLL	05	1526	1528	1559	S24	E72	9608	09	11.2	33	SF	3	E		27		
0067	RAMY	05	1538	1545	1547	N15	W39	9601	09	2.7	9	SF	3	E		10		
0068	RAMY	05	1630	1632	1635	S25	E70	9608	09	11.1	5	SF	3	E		20		F
0069	HOLL	05	1905	1907	1946	S16	E35	9606	09	8.4	41	1N	3	E		137		FU
0070	HOLL	05	1939	1940	1949	N06	W37	9601	09	3.0	10	SF	3	E		19		
0071	HOLL	05	2018	2019	2022	N08	W38	9601	09	3.0	4	SF	3	E		13		F
0072	HOLL	05	2038	2047	2058	S25	E67	9608	09	11.0	20	SF	3	E		19		
0073	HOLL	05	2054	2057	2111	N11	W38	9601	09	3.0	17	SF	3	E		73		F
0074	HOLL	05	2106	2109	2122	S17	E35	9606	09	8.5	16	SF	3	E		41		F
0075	HOLL	05	2111	2111	2117	S24	E68	9608	09	11.1	6	SF	3	E		15		
0076	HOLL	05	2202	2215	2255	S18	E31	9606	09	8.3	53	SF	3	E		97		F
0077	HOLL	05	2224	2229	2319	S25	E67	9608	09	11.1	55	SF	3	E		78		F
0078	HOLL	05	2329	2330U	2331D	S20	W54	9599	09	1.8	2D	SF	3	E		27		
0079	HOLL	05	2330	2330U	2331D	S17	E33	9606	09	8.5	1D	SF	3	E		11		
			06 0012		0146	No Flare Patrol												
0080	URUM	06	0345	0354	0401	N14	W32	9601	09	3.7	16	SB		C		161	2.0	E

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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)	
0081	URUM	06	0511E	0511	0511D	S05	W41	9609	09	3.1	16D	SN		P		113	1.6	E
0082		06	0531E	0531	0535	S26	E68	9608	09	11.5	4D	SN				40		D
	SVTO	06	0531E	0531U	0534D	S26	E67	9608	09	11.4	3D	SF	2	E		15		
	URUM	06	0531E	0531	0535	S27	E68	9608	09	11.5	4D	SB		P		64		D
0083	SVTO	06	0730	0730	0734	N12	W34	9601	09	3.7	4	SF	3	E		11		FH
0084	URUM	06	0947	0959	1010	S17	E24	9606	09	8.2	23	1N		C		193	2.4	E
0085		06	1319	13201	1332	S18	E24	9606	09	8.4	13	SF				49		F
	RAMY	06	1319	1320	1329	S18	E24	9606	09	8.4	10	SF	3	E		44		F
	SVTO	06	1319	1321	1335	S18	E23	9606	09	8.3	16	SF	3	E		54		F
0086	RAMY	06	1321	1321	1330	S19	E21	9606	09	8.1	9	SF	3	E		17		F
0087	HOLL	06	1357	1357	1404	S13	E40	9607	09	9.6	7	SF	3	E		11		
0088	HOLL	06	1537	1537	1545	S16	E45	9607	09	10.1	8	SF	3	E		16		
0089	HOLL	06	1623	1624	1632	N13	W42	9601	09	3.5	9	SF	3	E		12		
0090	HOLL	06	1719	1721	1727	S20	E50	9608	09	10.5	8	SF	3	E		20		F
0091	HOLL	06	1720	1732	1749	S14	E77	9610	09	12.5	29	SF	3	E		62		
0092	HOLL	06	1759	1802	1818	S21	E48	9608	09	10.4	19	SF	3	E		28		FU
0093	HOLL	06	1846	1846	1849	S23	E57	9608	09	11.2	3	SF	3	E		10		
0094	HOLL	06	1954	1955	1959	S14	E75	9610	09	12.5	5	SF	3	E		19		
0095	HOLL	06	2007	2008	2013	S16	E51	9607	09	10.7	6	SF	3	E		39		
0096	HOLL	06	2036	2047	2105	S13	E76	9610	09	12.6	29	SF	3	E		19		
0097	HOLL	06	2105	2111	2115	S13	E77	9610	09	12.7	10	SF	3	E		27		
0098	HOLL	06	2137	2349	2442	S14	E75	9610	09	12.6	185	SF	3	E		40		T
0099	HOLL	06	2154	2157	2200	N15	W43	9601	09	3.6	6	SF	3	E		31		F
0100	HOLL	06	2333	2334	2337	S17	E49	9607	09	10.7	4	SF	3	E		35		
0101	URUM	07	0418E	0418	0418D	N15	W50	9601	09	3.4	4D	SB		P		96	1.5	D
0102	URUM	07	0837E	0837	0837D	N12	W31		09	5.0	4D	SN		C		32	0.4	D
0103	URUM	07	1014E	1014	1014D	S24	E53	9608	09	11.5	4D	1N		P		129	2.7	E
0104	HOLL	07	1439	1441	1505	S13	E66	9610	09	12.6	26	SF	3	E		28		
0105	SVTO	07	1529	1538	1610	N19	W65	9601	09	2.7	41	1F	3	E		174		FH
0106	HOLL	07	1727	1728	1735	S22	E44	9608	09	11.1	8	SF	3	E		23		
0107	HOLL	07	1754	1756	1759	S25	E43	9608	09	11.1	5	SF	3	E		15		
0108	HOLL	07	1832	1833	1843	S22	E43	9608	09	11.1	11	SF	3	E		15		
0109		07	1851	18511	1858	S22	E44	9608	09	11.2	7	SF				12		F
	RAMY	07	1851	1851	1858	S22	E44	9608	09	11.2	7	SF	3	E		11		F
	HOLL	07	1851	1852	1858	S22	E43	9608	09	11.1	7	SF	3	E		13		
0110		07	2116	21161	2128	S14	E64	9610	09	12.7	12	SF				47		F
	HOLL	07	2116	2116	2128	S14	E64	9610	09	12.7	12	SF	3	E		56		F
	RAMY	07	2116	2117	2128	S14	E65	9610	09	12.8	12	SF	3	E		38		F
0111	HOLL	07	2126	2131	2147	S22	E42	9608	09	11.1	21	SF	3	E		26		

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Grp #	Sta	Start Day	Max (UT)	End (UT)	NOAA/USAF			CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
					Lat	CMD	Region							Time (UT)	Apparent (10-6 Disk)		Corr (Sq Deg)
0139	HOLL	08	2129	2130	S24	E30	9608	09 11.2	7	SF		3	E	16			
0140	HOLL	08	2139	2213	S26	E40	9608	09 12.0	34	SF		3	E	18		F	
0141	HOLL	08	2248	2256	S17	W71	9613	09 3.5	8	SF		3	E	11			
0142	HOLL	08	2304	2312	S17	W71	9613	09 3.6	8	SF		3	E	12			
0143	HOLL	08	2334	2351	S17	E16	9607	09 10.2	30	SF		3	E	13			
0144		09	0141	0240	S22	E26	9608	09 11.1	158	2B				330	3.1	EF	
	LEAR	09	0141	0240	S24	E26	9608	09 11.1	158	2B		3	E	418		FE	
	URUM	09	0251E	0251U	S20	E26	9608	09 11.1	158D	1B			P	241	3.1	E	
0145	URUM	09	0456E	0456	0456D	N08	E26	09 11.1	158D	SN			P	96	1.1	D	
0146	URUM	09	0549E	0549	0549D	S18	W04	9606	09 8.9	158D	1B		P	209	2.4	E	
0147	KANZ	09	0719E	0719U	0721	S19	W13	9606	09 8.3	2D	SF		2	E			
0148	KANZ	09	0746	0746	0748	S22	E24	09 11.2	2	SF			2	E			
0149		09	08012	08031	0814	S16	E08	9607	09 9.9	13	SF				13		F
	KANZ	09	0801	0804	0819	S16	E08	9607	09 9.9	18	SF		2	E			
	SVTO	09	0803	0803	0812	S16	E09	9607	09 10.0	9	SF		3	E	10		F
	LEAR	09	0803	0803	0812	S16	E08	9607	09 9.9	9	SF		3	E	16		F
0150	KANZ	09	0822	0827	0837	S19	W14	9606	09 8.3	15	SF			2	E		
0151		09	0958	1001	1010	S31	E30	9608	09 11.8	12	SF				34		F
	KANZ	09	0958	1001	1009	S31	E31	9608	09 11.9	11	SF		2	E			
	SVTO	09	0958	1001	1010	S31	E30	9608	09 11.8	12	SF		3	E	34		F
0152	RAMY	09	1036E	1036	1104	S30	E29	9608	09 11.7	28D	SF		3	E	43		F
0153		09	10521	1056	1102	S32	E28	9608	09 11.7	10	SF				33		
	SVTO	09	1052	1056	1059	S32	E29	9608	09 11.7	7	SF		3	E	33		
	KANZ	09	1053	1056	1104	S31	E27	9608	09 11.6	11	SF		2	E			
0154		09	11201	1123	1132	S24	E23	9608	09 11.2	12	SF				24		
	KANZ	09	1120	1123	1131	S23	E25	9608	09 11.4	11	SF		2	E			
	RAMY	09	1121	1123	1132	S25	E21	9608	09 11.1	11	SF		3	E	24		
0155	KANZ	09	1229	1235	1239	S30	E29	9608	09 11.8	10	SF			2	E		
0156		09	13321	1334	1344	S30	E28	9608	09 11.8	12	SF				37		F
	KANZ	09	1332	1334	1344	S30	E28	9608	09 11.8	12	SF		2	E			
	SVTO	09	1333	1334	1344	S31	E29	9608	09 11.8	11	SF		3	E	37		F
0157	RAMY	09	1332	1334	1345	S25	E20	9608	09 11.1	13	SF		3	E	49		
0158	HOLL	09	1359	1404	1509	S30	E29	9608	09 11.9	70	SF		3	E	52		F
0159		09	1401	14032	1434	S28	E20	9608	09 11.1	33	SF				26		F
	RAMY	09	1401	1403	1439	S28	E21	9608	09 11.2	38	SF		3	E	26		F
	KANZ	09	1401	1405	1430	S28	E18	9608	09 11.0	29	SF		2	E			
0160	SVTO	09	1403	1419	1423	S29	E18	9608	09 11.0	20	SF		3	E	30		
0161	SVTO	09	1425	1426	1430	S26	E22	9608	09 11.3	5	SF		3	E	20		F
0162		09	1456	1458	1502	S32	E28	9608	09 11.8	6	SF				14		F
	SVTO	09	1453E	1453U	1501	S32	E28	9608	09 11.8	8D	SF		2	E	13		F
	RAMY	09	1456	1458	1502	S31	E28	9608	09 11.8	6	SF		3	E	16		F
0163		09	1512	15161	1532	S16	E05	9607	09 10.0	20	1N				121		FH
	KANZ	09	1512	1516	1533	S16	E05	9607	09 10.0	21	1F		2	E			
	SVTO	09	1512	1517	1532	S16	E05	9607	09 10.0	20	1B		3	E	116		F
	RAMY	09	1512	1517	1532	S16	E06	9607	09 10.1	20	1N		3	E	123		F
	HOLL	09	1512	1517	1533	S17	E03	9607	09 9.9	21	1N		3	E	123		FH

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Sep 01

H α SOLAR FLARES

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	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)		
0164		09	15132	15251	1540	S32	E25	9608	09	11.6	27	SF			87		FH	
	HOLL	09	1513	1525	1543	S32	E22	9608	09	11.4	30	SN	3	E	89		F	
	KANZ	09	1515	1525	1536	S31	E28	9608	09	11.8	21	SF	2	E				
	SVTO	09	1515	1525	1541	S32	E25	9608	09	11.6	26	SF	3	E	87		F	
	RAMY	09	1515	1526	1541	S31	E26	9608	09	11.7	26	SF	3	E	86		H	
0165	KANZ	09	1545	1546	1550	S15	E05	9607	09	10.0	5	SF		2	E			
0166	RAMY	09	1825	1825	1834	S32	E31	9608	09	12.2	9	SF		3	E	41		F
0167		09	1824*	1841	1920	S24	E22	9608	09	11.5	56	2B			286		EFH	
	HOLL	09	1824	1841	1921	S26	E24	9608	09	11.6	57	2B	3	E	313		FE	
	RAMY	09	1836	1841	1920	S23	E21	9608	09	11.4	44	2N	3	E	259		FH	
0168	HOLL	09	2043	2048	2120	S31	E26	9608	09	11.9	37	2N		3	E	281		EF
0169	HOLL	09	2204	2208	2218	S22	E14	9608	09	11.0	14	SF		3	E	14		
0170	HOLL	09	2235	2238	2245	S24	E18	9608	09	11.3	10	SF		3	E	32		
		10	0113		0354	No Flare Patrol												
0171		10	0514	0515	0521	S24	E14	9608	09	11.3	7	1N			66		F	
	LEAR	10	0514	0515	0521	S24	E13	9608	09	11.2	7	1N	2	E	115		F	
	SVTO	10	0514E	0516U	0529D	S24	E15	9608	09	11.4	15D	SF	2	E	16			
0172		10	08202	08241	0836	S31	E20	9608	09	11.9	16	SF			49		F	
	KANZ	10	0820	0824	0837	S30	E19	9608	09	11.8	17	SF	2	E				
	LEAR	10	0821	0825	0836	S32	E19	9608	09	11.8	15	SF	2	E	61		F	
	SVTO	10	0822	0825	0832D	S31	E21	9608	09	12.0	10D	SF	3	E	37		F	
0173		10	14182	14193	1430	S24	E08	9608	09	11.2	12	SF			26		F	
	HOLL	10	1418	1419	1431	S24	E08	9608	09	11.2	13	SF	3	E	33		F	
	RAMY	10	1420	1422	1429	S24	E09	9608	09	11.3	9	SF	3	E	19			
0174	HOLL	10	1450	1523	1550	S16	W05	9607	09	10.2	60	SF		3	E	37		F
0175	RAMY	10	1455	1456	1506	S17	W02	9607	09	10.5	11	SF		3	E	19		F
0176		10	1502*	15161	1538	S34	E21	9608	09	12.3	36	SF			54		F	
	HOLL	10	1502	1516	1551	S33	E19	9608	09	12.1	49	SF	3	E	82		F	
	RAMY	10	1512	1516	1540	S33	E23	9608	09	12.5	28	SF	3	E	62		F	
	SVTO	10	1516	1517	1523	S35	E21	9608	09	12.3	7	SF	3	E	17		F	
0177		10	15201	15211	1532	S11	E25	9610	09	12.5	12	SF			47		F	
	HOLL	10	1520	1521	1536	S11	E24	9610	09	12.4	16	SF	3	E	56		F	
	SVTO	10	1521	1521	1530	S11	E25	9610	09	12.5	9	SF	3	E	36			
	RAMY	10	1521	1522	1531	S10	E25	9610	09	12.5	10	SF	3	E	50			
0178	HOLL	10	1807	1812	1818	S11	E23	9610	09	12.5	11	SF		3	E	51		F
0179	HOLL	10	1909	1912	1914	S32	E10	9608	09	11.6	5	SF		3	E	34		
0180	HOLL	10	1941	1942	1948	S13	E25	9610	09	12.7	7	SF		3	E	17		
0181	HOLL	10	1954	1955	2011	S13	E25	9610	09	12.7	17	SF		3	E	24		F
0182	HOLL	10	2023	2031	2046	S30	E18	9608	09	12.3	23	1F		3	E	119		FH
0183	HOLL	10	2103	2107	2109	S31	E19	9608	09	12.4	6	SF		3	E	14		
		10	2126		2140	No Flare Patrol												
0184	HOLL	10	2311	2312	2314	S25	E02	9608	09	11.1	3	SF		3	E	45		
0185		10	23391	23471	2357	S30	E16	9608	09	12.2	18	SF			50		FH	
	HOLL	10	2339	2347	2347D	S30	E16	9608	09	12.2	8D	SF	3	E	71		F	
	LEAR	10	2340	2348	2357	S30	E15	9608	09	12.2	17	SF	2	E	28		FH	

SEPTEMBER 2001

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)		
0186	HOLL	11	0017	0027	0044	S12	E22	9610	09	12.7	27	SF		3	E		11			
0187	LEAR	11	0012	0016	0022	S30	E13	9608	09	12.0	10	SF		2	E		10			F
0188		11	0012*	00311	0042	S29	E12	9608	09	11.9	30	SF					47			F
	HOLL	11	0012	0031	0046	S30	E16	9608	09	12.3	34	SF		3	E		58			F
	LEAR	11	0031	0032	0038	S28	E09	9608	09	11.7	7	SF		2	E		36			F
		11	0112		0201	No Flare Patrol														
0189	LEAR	11	0613	0614	0618	S23	E02	9608	09	11.4	5	SF		3	E		28			F
0190		11	08351	0838	0842	S12	E16	9610	09	12.6	7	SF					12			
	KANZ	11	0835	0838	0842	S12	E17	9610	09	12.6	7	SF		2	E					
	LEAR	11	0836	0838	0843	S13	E16	9610	09	12.6	7	SF		2	E		12			
0191	RAMY	11	1129	1129	1137	S12	E16	9610	09	12.7	8	SF		3	E		13			F
0192	RAMY	11	1247	1248	1300	S27	E09	9608	09	12.2	13	SF		3	E		18			
0193	HOLL	11	1416	1439	1530	N13	E35	9615	09	14.2	74	SF		3	E		54			F
0194	HOLL	11	1428	1428	1433	S27	E06	9608	09	12.1	5	SF		3	E		13			F
0195	RAMY	11	1512	1512	1525	S23	W09	9608	09	10.9	13	SF		3	E		19			F
0196	HOLL	11	1718	1721U	1753	S12	E11	9610	09	12.5	35	SF		3	E		17			F
0197	HOLL	11	1830	1846	1852	S29	E06	9608	09	12.2	22	SF		3	E		18			F
0198	HOLL	11	1928	1928	1935	S10	E09	9610	09	12.5	7	SF		3	E		26			
0199	HOLL	11	1936	1939	1945	S12	E08	9610	09	12.4	9	SF		3	E		10			F
0200	HOLL	11	2028	2029	2033	S12	E88	9616	09	18.5	5	SF		3	E		23			
0201	HOLL	11	2232	2232	2241	S09	E06	9610	09	12.4	9	SF		3	E		12			F
			2243		2316	No Flare Patrol														
			2344		2356	No Flare Patrol														
			0010		0250	No Flare Patrol														
0202	URUM	12	0335E	0335	0407	S12	E04	9610	09	12.4	32D	1N			P		241	2.6		E
			0523		0541	No Flare Patrol														
0203	SVTO	12	0648	0649	0656	S30	W08	9608	09	11.6	8	SF		3	E		36			F
			0826		0832	No Flare Patrol														
			0837		0853	No Flare Patrol														
			0937		1032	No Flare Patrol														
0204	SVTO	12	1055	1055	1104	S30	W01	9608	09	12.4	9	SF		3	E		22			F
0205	RAMY	12	1105	1106	1113	S30	W05	9608	09	12.1	8	SF		3	E		34			F
0206	RAMY	12	1340	1340	1349	N12	W85	9611	09	6.2	9	SF		3	E		12			
			2044		2125	No Flare Patrol														
			2137		2228	No Flare Patrol														
0207	HOLL	12	2229	2232	2311	S16	W62	9606	09	8.2	42	SF		3	E		42			F
0208	HOLL	12	2229	2232	2239	S29	W18	9608	09	11.5	10	SF		3	E		28			F
0209	HOLL	12	2242	2245	2259	S26	W12	9608	09	12.0	17	SF		3	E		27			
0210	HOLL	12	2257	2258	2302	S14	W03	9610	09	12.7	5	SF		3	E		14			

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Sep 01

H α SOLAR FLARES

SEPTEMBER 2001

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)	
0211	HOLL	12	2319	2319	2332	S25	W24	9608	09	11.1	13	SF		3	E		16		
		12	2321		2329	No Flare Patrol													
		13	0014		0148	No Flare Patrol													
0212	LEAR	13	0212	0214	0221	S12	E69	9616	09	18.3	9	SF		3	E		23		
		13	0253		0311	No Flare Patrol													
		13	0345		0402	No Flare Patrol													
0213	LEAR	13	0357	0358	0403	S25	W19	9608	09	11.7	6	SF		3	E		21		F
		13	0546		0632	No Flare Patrol													
0214	LEAR	13	0552E	0616U	0646	S27	W25	9608	09	11.3	54D	SF		2	E		47		F
0215		13	0647*	07103	0723	S30	W24	9608	09	11.4	36	SF					32		F
	LEAR	13	0647	0710	0736D	S30	W26	9608	09	11.2	49D	SF		2	E		46		F
	SVTO	13	0710	0710	0724	S31	W22	9608	09	11.6	14	SF		3	E		17		F
	KANZ	13	0711	0713	0722	S29	W24	9608	09	11.4	11	SF		2	E				
		13	0818		0835	No Flare Patrol													
0216	SVTO	13	0920	0923	0928	S09	W12	9610	09	12.5	8	SF		3	E		12		F
		13	1022		1027	No Flare Patrol													
0217	RAMY	13	1119	1120	1151	S29	W26	9608	09	11.4	32	SF		3	E		18		
0218	RAMY	13	1215	1218	1231	S29	W27	9608	09	11.4	16	SF		3	E		13		
0219	RAMY	13	1305	1305	1310	S15	W10	9610	09	12.8	5	SF		3	E		29		
0220	RAMY	13	1311	1312	1315	S14	W10	9610	09	12.8	4	SF		3	E		16		
0221		13	13441	13451	1356	N20	W36	9612	09	10.8	12	SF					14		
	RAMY	13	1344	1346	1357	N21	W35	9612	09	10.9	13	SF		3	E		16		
	SVTO	13	1345	1345	1354	N19	W36	9612	09	10.8	9	SF		3	E		12		
0222		13	14091	14113	1428	S30	W27	9608	09	11.5	19	SF					15		
	RAMY	13	1409	1411	1429	S29	W28	9608	09	11.4	20	SF		3	E		15		
	SVTO	13	1410	1414	1428	S30	W26	9608	09	11.5	18	SF		3	E		15		
0223	RAMY	13	1433	1434	1443	N20	W36	9612	09	10.8	10	SF		3	E		12		
0224	RAMY	13	1447	1447	1454	S26	W27	9608	09	11.5	7	SF		3	E		20		
0225		13	1600	16012	1612	S15	W10	9610	09	12.9	12	SN					56		
	RAMY	13	1600	1601	1613	S15	W11	9610	09	12.8	13	SN		3	E		69		
	SVTO	13	1600	1603	1610	S15	W10	9610	09	12.9	10	SF		3	E		43		
		13	1724		2400	No Flare Patrol													
		14	0000		0301	No Flare Patrol													
		14	0401		0500	No Flare Patrol													
0226	SVTO	14	0553	0555	0638	S10	E46	9616	09	17.7	45	SF		3	E		71		F
		14	0758		0850	No Flare Patrol													
0227	SVTO	14	0905	0905	0914	S10	E48	9616	09	18.0	9	SF		3	E		49		
		14	0943		1010	No Flare Patrol													
0228		14	11451	1147	1152	S12	E47	9616	09	18.0	7	SF					25		
	RAMY	14	1145	1147	1151	S14	E47	9616	09	18.0	6	SF		3	E		30		
	SVTO	14	1146	1147	1153	S11	E47	9616	09	18.0	7	SF		3	E		20		
0229	RAMY	14	1355	1356	1404	S15	W24	9610	09	12.8	9	SF		3	E		16		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks
								USAF Region	CMP Mo Day						Time (UT)	Apparent (10 ⁻⁶ Disk)	
0230	SVTO	14	1552	1552	1605	S08	E53	9616	09	18.6	13	SF	3	E	14		F
0231	RAMY	14	1603E	1603U	1637D	S31	W42	9608	09	11.3	34D	SF	3	E	15		
		14	1633		1713	No Flare Patrol											
0232	HOLL	14	1816	1817	1823	S28	W40	9608	09	11.6	7	SF	3	E	14		
0233	HOLL	14	1842	1842	1851	S13	W28	9610	09	12.7	9	SF	3	E	64		F
0234	HOLL	14	1842	1843	1851	S31	W36	9608	09	11.9	9	SF	3	E	52		F
		14	1852		1856	No Flare Patrol											
0235		14	1859	1900	1903	S32	W34	9608	09	12.1	4	SF			32		F
	HOLL	14	1859	1900	1903	S31	W32	9608	09	12.3	4	SF	3	E	36		F
	RAMY	14	1904E	1906U	2040D	S32	W35	9608	09	12.0	96D	SF	3	E	29		
		14	1918		1925	No Flare Patrol											
		14	1937		2322	No Flare Patrol											
		14	2330		2400	No Flare Patrol											
		15	0000		0203	No Flare Patrol											
		15	0352		0953	No Flare Patrol											
		15	1006		1022	No Flare Patrol											
0236	RAMY	15	1103	1109	1237	S21	W49	9608	09	11.7	94	1N	3	E	192		FH
0237	SVTO	15	1124E	1139U	1230	S27	W53	9608	09	11.3	66D	SF	3	E	61		FH
0238		15	1547*	16054	1636	S13	E26	9616	09	17.6	49	SF			69		FH
	RAMY	15	1547	1609	1636	S13	E27	9616	09	17.7	49	1F	3	E	101		F
	SVTO	15	1548	1609	1634D	S13	E26	9616	09	17.6	46D	SF	2	E	51		FH
	HOLL	15	1601	1605	1629D	S14	E26	9616	09	17.6	28D	SF	3	E	56		
0239	RAMY	15	1600	1601	1603	S17	W43	9608	09	12.4	3	SF	3	E	16		
0240		15	2030	2034	2130	S28	W58	9608	09	11.3	60	SN			79		F
	HOLL	15	2028E	2031U	2134D	S27	W56	9608	09	11.5	66D	SN	3	E	77		F
	RAMY	15	2030	2034	2130	S29	W59	9608	09	11.2	60	SF	3	E	81		
0241	HOLL	15	2117E	2120U	2138D	S13	E25	9616	09	17.8	21D	SF	3	E	82		
0242	HOLL	15	2135E	2135U	2138D	S11	E20	9608	09	17.4	3D	SF	3	E	16		
		15	2141		2307	No Flare Patrol											
0243	LEAR	16	0054	0055	0058	S15	W48	9610	09	12.4	4	SF	3	E	32		F
0244	LEAR	16	0245	0247	0300	N10	E75	9620	09	21.8	15	SF	3	E	96		
0245	LEAR	16	0341	0352	0514	S29	W54	9608	09	11.9	93	2N	3	E	540		EZ
0246	URUM	16	0344	0436U	0502	S31	W49	9608	09	12.3	78	2N			482	10.2	E
0247	LEAR	16	0618	0624	0641	S27	W66	9608	09	11.1	23	SF	3	E	29		F
0248		16	0742	0744	0802	S13	E18	9616	09	17.7	20	1F			64		FH
	LEAR	16	0742	0744	0802	S13	E18	9616	09	17.7	20	1F	3	E	117		FH
	SVTO	16	0746E	0746U	0759D	S13	E19	9616	09	17.7	13D	SF	2	E	11		
0249	URUM	16	0826E	0826	0826D	S45	E27		09	18.6	13D	1N			161	3.1	E
0250	LEAR	16	0912	0913	0926	S26	W59	9608	09	11.8	14	SF	3	E	38		F
0251	URUM	16	1102E	1102	1102D	S26	W60	9608	09	11.8	14D	SN			80		D
0252	RAMY	16	1337	1337	1346	N15	W09	9619	09	15.9	9	SF	3	E	44		
0253	RAMY	16	1345	1350	1424	S13	E15	9616	09	17.7	39	1F	3	E	143		F

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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	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0254	HOLL	16	1401	1404	1425	S13	E15	9616	09	17.7	24	SF	3	E		52		F
0255		16	13582	13592	1407	S28	W60	9608	09	11.9	9	SF				33		F
	RAMY	16	1358	1359	1408	S29	W61	9608	09	11.8	10	SF	3	E		41		
	HOLL	16	1400	1401	1406	S28	W58	9608	09	12.0	6	SF	3	E		25		F
0256	HOLL	16	1547	1547	1551	S30	W58	9608	09	12.1	4	SF	3	E		10		
0257		16	1606	16071	1626	S28	W68	9608	09	11.3	20	SF				16		
	RAMY	16	1606	1607	1623	S30	W70	9608	09	11.2	17	SF	3	E		14		
	HOLL	16	1606	1608	1628	S27	W65	9608	09	11.6	22	SF	3	E		18		
0258	HOLL	16	1629	1633	1637	S27	W66	9608	09	11.5	8	SF	3	E		14		
0259		16	16413	1647	1658	S28	W68	9608	09	11.4	17	SF				19		
	HOLL	16	1641	1647	1702	S27	W65	9608	09	11.6	21	SF	3	E		22		
	RAMY	16	1644	1647	1653	S29	W70	9608	09	11.2	9	SF	3	E		16		
0260	HOLL	16	1647	1647	1657	N17	W10	9619	09	15.9	10	SF	3	E		12		
0261	HOLL	16	1658	1700	1709	N17	W10	9619	09	15.9	11	SF	3	E		13		
0262		16	1709	17121	1732	S28	W66	9608	09	11.5	23	SF				28		F
	RAMY	16	1709	1712	1731	S30	W68	9608	09	11.4	22	SF	3	E		26		F
	HOLL	16	1709	1713	1733	S27	W65	9608	09	11.6	24	SF	3	E		30		
0263		16	1750	1754	1810	N16	W11	9619	09	15.9	20	SF				19		F
	RAMY	16	1750	1754	1804	N16	W11	9619	09	15.9	14	SF	3	E		13		F
	HOLL	16	1750	1754	1815	N17	W11	9619	09	15.9	25	SF	3	E		25		
0264		16	1841	18424	1919	S13	E12	9616	09	17.7	38	SF				51		
	HOLL	16	1841	1842	1923	S13	E12	9616	09	17.7	42	SF	3	E		60		
	RAMY	16	1841	1846	1915	S13	E12	9616	09	17.7	34	SF	3	E		42		
0265	HOLL	16	2126	2127	2132	N19	W80	9612	09	10.8	6	SF	3	E		31		
		16	2217		2257	No Flare Patrol												
0266	LEAR	16	2341	2346	2402	S13	E11	9616	09	17.8	21	1F	3	E		147		
0267	URUM	17	0544E	0544	0544D	S27	W62	9608	09	12.4	21D	1N		P		113		E
0268	LEAR	17	0652	0652	0700	S30	W73	9608	09	11.5	8	SF	3	E		31		
0269		17	08201	0824	0855	S14	E03	9616	09	17.6	35	2N				412	5.4	EFU
	LEAR	17	0820	0824	0900	S14	E02	9616	09	17.5	40	2N	3	E		427		UE
	SVTO	17	0821	0824	0859	S14	E04	9616	09	17.6	38	2N	3	E		327		UF
	URUM	17	0829E	0829U	0847	S15	E03	9616	09	17.6	18D	2B		P		482	5.4	E
0270		17	09281	0931	0942	N16	E67	9621	09	22.5	14	SF				39		F
	SVTO	17	0928	0930U	0941D	N17	E69	9621	09	22.6	13D	SF	2	E		24		
	LEAR	17	0929	0931	0942	N15	E65	9621	09	22.3	13	SF	3	E		54		F
0271		17	1514	15151	1519	S14	E02	9616	09	17.8	5	SF				14		F
	HOLL	17	1514	1515	1519	S15	E01	9616	09	17.7	5	SF	3	E		16		F
	RAMY	17	1514	1516	1519	S14	E02	9616	09	17.8	5	SF	3	E		11		F
0272		17	15372	15411	1548	S13	E03	9616	09	17.9	11	SF				27		F
	HOLL	17	1537	1541	1547	S13	E02	9616	09	17.8	10	SF	3	E		29		
	RAMY	17	1539	1542	1548	S13	E04	9616	09	17.9	9	SF	3	E		25		F
0273		17	1548	15493	1640	S32	W70	9608	09	12.1	52	1N				171		F
	HOLL	17	1548	1549	1648	S32	W73	9608	09	11.9	60	1N	3	E		201		F
	RAMY	17	1548	1552	1631	S31	W67	9608	09	12.4	43	1F	3	E		141		F
0274	HOLL	17	1725	1726	1732	S14	E00	9616	09	17.7	7	SF	3	E		19		F
0275	HOLL	17	1939	1945	2004	S14	W02	9616	09	17.7	25	SF	3	E		84		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
								Region	Mo Day						Time (UT)	Apparent (10 ⁻⁶ Disk)		Corr (Sq Deg)
0276	HOLL	17	1950	1958	2016	S31	W73	9608	09	12.1	26	1F	3	E		121		
0277	HOLL	17	2021	2021	2025	S31	W72	9608	09	12.2	4	SF	3	E		20		
0278	HOLL	17	2035	2037	2043	S14	W03	9616	09	17.6	8	SF	3	E		13		
0279	HOLL	17	2051	2102	2108	S31	W73	9608	09	12.1	17	SF	3	E		32		
0280	HOLL	17	2104	2105	2117	S11	W06	9616	09	17.4	13	1N	3	E		109	F	
0281	HOLL	17	2129	2138	2151	S31	W73	9608	09	12.1	22	2N	3	E		431		
0282	HOLL	18	0004	0005	0011	S32	W78	9608	09	11.8	7	SF	3	E		85		
0283	LEAR	18	0035	0038	0047	S15	W07	9616	09	17.5	12	SF	3	E		25	F	
0284	LEAR	18	0354	0354	0359	S30	W04	9625	09	17.8	5	SF	3	E		22	F	
0285	LEAR	18	0429	0439	0451	N14	E55	9621	09	22.3	22	SF	3	E		90	F	
0286		18	07021	07033	0711	S13	W09	9616	09	17.6	9	SF				71	1.8	EH
	LEAR	18	0702	0703	0708	S11	W11	9616	09	17.5	6	SF	3	E		38		
	URUM	18	0702	0706	0718	S13	W08	9616	09	17.7	16	SN		C		161	1.8	E
	SVTO	18	0703	0703	0707	S14	W09	9616	09	17.6	4	SF	3	E		14		H
0287	LEAR	18	0744	0749	0757	S15	W10	9616	09	17.6	13	SF	3	E		20		F
0288	URUM	18	0907	0920	0938	S10	W74	9610	09	12.8	31	SN		C		64		A
		18	0953		1001	No Flare Patrol												
		18	1003		1011	No Flare Patrol												
		18	1058		1107	No Flare Patrol												
0289		18	15331	15363	1611	N14	E50	9621	09	22.4	38	1F				159		FH
	HOLL	18	1533	1536	1602	N15	E49	9621	09	22.3	29	1F	3	E		149		F
	RAMY	18	1534	1539	1620	N14	E50	9621	09	22.4	46	1F	3	E		169		FH
0290	HOLL	18	1706	1706	1713	S18	E85	9628	09	25.2	7	SF	3	E		35		
		19	0100		0112	No Flare Patrol												
0291	LEAR	19	0310	0311	0315	S09	W22	9616	09	17.5	5	SF	3	E		15		
0292	LEAR	19	0352	0353	0356	S19	E73	9628	09	24.7	4	SF	3	E		11		
0293	LEAR	19	0517	0519	0528	S11	W14	9616	09	18.2	11	SF	3	E		36		FH
0294		19	0810	08111	0820	N16	E44	9621	09	22.7	10	SF				48		F
	SVTO	19	0810	0811	0819	N17	E44	9621	09	22.7	9	SF	3	E		34		F
	LEAR	19	0810	0811	0822	N16	E44	9621	09	22.7	12	SF	2	E		63		F
	KANZ	19	0810	0812	0814D	N16	E43	9621	09	22.6	4D	SF	2	E				
0295		19	11534	11552	1205	N15	E37	9621	09	22.3	12	SF				11		
	KANZ	19	1153	1155	1202	N15	E36	9621	09	22.2	9	SF	2	E				
	RAMY	19	1157	1157	1208	N15	E38	9621	09	22.4	11	SF	3	E		11		
0296	KANZ	19	1205	1207	1208D	N16	E37	9621	09	22.3	3D	SF	2	E				
0297	KANZ	19	1249E	1250U	1259D	N10	E34	9620	09	22.1	10D	SF	2	E				
0298	RAMY	19	1309	1311	1313	S19	E66	9628	09	24.6	4	SF	3	E		11		
0299		19	1540	1541	1544	S14	W29	9616	09	17.5	4	SF				30		
	RAMY	19	1540	1541	1544	S14	W29	9616	09	17.5	4	SF	3	E		30		
	HOLL	19	1540	1541	1544	S14	W29	9616	09	17.5	4	SF	3	E		30		
0300	HOLL	19	1641	1644	1650	N12	E32	9620	09	22.1	9	SF	3	E		11		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0301		19	18471	18502	1858	S19	E66	9628	09 24.8	11	SF					68		F	
	HOLL	19	1847	1852	1859	S19	E65	9628	09 24.7	12	SF		3	E		89		F	
	RAMY	19	1848	1850	1857	S19	E66	9628	09 24.8	9	SF		3	E		48			
0302	HOLL	19	2052	2054	2101	N11	E33	9620	09 22.3	9	SF		3	E		17			
0303	HOLL	19	2302	2317	2333	N12	E28	9620	09 22.1	31	SF		3	E		61		F	
0304	HOLL	19	2336	2340	2415	N25	E24	9626	09 21.8	39	SF		3	E		21			
0305	LEAR	20	0133	0133	0136	S18	E82	9632	09 26.3	3	SF		3	E		18			
0306	LEAR	20	0506	0507	0522	S17	E57	9628	09 24.5	16	SF		3	E		28		F	
0307		20	1150	1152	1154	S20	E56	9628	09 24.8	4	SF					23			
	KANZ	20	1150	1152	1154	S20	E55	9628	09 24.7	4	SF		2	E					
	RAMY	20	1150	1152	1155	S20	E56	9628	09 24.8	5	SF		3	E		23			
0308	KANZ	20	1258	1301	1310	S15	E53	9628	09 24.5	12	SF		2	E					
0309		20	14371	14381	1455	N07	W09	9631	09 19.9	18	SF					30		F	
	KANZ	20	1437	1438	1453	N06	W09	9631	09 19.9	16	SF		2	E					
	HOLL	20	1438	1439	1451	N07	W09	9631	09 19.9	13	SF		3	E		31		F	
	RAMY	20	1438	1439	1502	N08	W10	9631	09 19.9	24	SF		3	E		28		F	
0310		20	1815	18171	1840	N08	W12	9631	09 19.9	25	SN					64		U	
	RAMY	20	1815	1817	1849	N08	W12	9631	09 19.9	34	SN		3	E		63		U	
	HOLL	20	1815	1818	1830	N09	W11	9631	09 19.9	15	SN		3	E		65		U	
0311	HOLL	20	1830	1841	1854	N08	W11	9631	09 19.9	24	SF		3	E		12			
0312	HOLL	20	1850	1850	1857	S17	E54	9628	09 24.9	7	SF		3	E		30		F	
		20	1911		1912	No Flare Patrol													
		20	1929		1935	No Flare Patrol													
0313	HOLL	20	2210	2210	2217	N09	W14	9631	09 19.9	7	SF		3	E		20		F	
0314	HOLL	20	2218	2218	2222	N08	W14	9631	09 19.9	4	SF		3	E		14			
0315	HOLL	20	2351	2356	2418	N24	E11	9626	09 21.8	27	SF		3	E		20			
0316	LEAR	21	0124	0127	0138	N10	E14	9620	09 22.1	14	SF		2	E		22		FH	
0317	LEAR	21	0450	0454	0517	N10	E12	9620	09 22.1	27	SF		3	E		96		F	
0318		21	0640	06401	0646	S18	E63	9632	09 26.1	6	SF					40			
	SVTO	21	0640	0640	0645	S18	E63	9632	09 26.1	5	SF		3	E		27			
	LEAR	21	0640	0641	0646	S19	E63	9632	09 26.1	6	SF		2	E		54			
0319		21	06536	07021	0726	N08	W20	9631	09 19.8	33	SF					58			
	SVTO	21	0653	0702	0744	N08	W19	9631	09 19.9	51	SF		3	E		54			
	LEAR	21	0659	0703	0718	N07	W21	9631	09 19.7	19	SF		2	E		62			
	KANZ	21	0701E	0702	0717	N08	W19	9631	09 19.9	16D	SF		2	E					
0320		21	11271	11283	1207	S20	E42	9628	09 24.7	40	SF					39		F	
	RAMY	21	1127	1131	1230	S20	E43	9628	09 24.8	63	SF		3	E		39		F	
	KANZ	21	1128	1128	1144	S20	E42	9628	09 24.7	16	SF		2	E					
0321		21	11411	11442	1152	N25	E08	9626	09 22.1	11	SF					20			
	KANZ	21	1141	1144	1148	N25	E08	9626	09 22.1	7	SF		2	E					
	RAMY	21	1142	1146	1156	N25	E08	9626	09 22.1	14	SF		3	E		20			
0322	RAMY	21	1217	1224	1230	S19	E62	9632	09 26.2	13	SF		3	E		63		H	
0323	KANZ	21	1503	1506	1509D	N01	E16	9624	09 22.8	6D	SF		2	E					
0324	RAMY	21	1526	1531	1548	N08	W23	9631	09 19.9	22	SF		3	E		20		F	

H α SOLAR FLARES

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Sep 01

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF Region			CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
						Lat	Cmd	Region							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0325		21	1644	1645	1650	S17	E58	9632	09 26.1	6	SF				18			
	HOLL	21	1644	1645	1650	S17	E58	9632	09 26.1	6	SF	3	E		18			
	RAMY	21	1644	1646	1650	S17	E58	9632	09 26.1	6	SF	3	E		17			
0326	HOLL	21	1943	1944	1951	N08	W27	9631	09 19.8	8	SF	3	E		19			
0327	HOLL	21	1945	1949	2003	N13	W16	9622	09 20.6	18	SF	3	E		26			F
0328	HOLL	21	2010	2011	2028	N08	W26	9631	09 19.9	18	SF	3	E		47			
0329	HOLL	21	2024	2026	2032	N17	E15	9621	09 23.0	8	SF	3	E		19			F
0330	HOLL	21	2109	2110	2114	S11	W58	9616	09 17.5	5	SF	3	E		17			
0331	HOLL	21	2129	2134	2204	N13	W17	9622	09 20.6	35	SF	3	E		75			F
0332	HOLL	21	2229	2230	2244	N08	W28	9631	09 19.8	15	SF	3	E		23			
0333	HOLL	21	2325	2325	2333	N13	W18	9622	09 20.6	8	SF	3	E		32			
		22	0038		0110	No Flare Patrol												
0334		22	0543	0544	0553	S08	W64	9616	09 17.4	10	1N				68	2.3		E
	LEAR	22	0543	0546	0551	S09	W65	9616	09 17.3	8	SF	3	E		41			
	URUM	22	0544E	0544	0555	S08	W63	9616	09 17.5	11D	1B		P		96	2.3		E
0335		22	0641	0641	0654	S19	E48	9632	09 25.9	13	SF				22			F
	SVTO	22	0641	0641	0658	S18	E49	9632	09 26.0	17	SF	3	E		28			F
	LEAR	22	0641	0643	0649	S20	E48	9632	09 25.9	8	SF	3	E		17			F
0336		22	0643	0643	0700	N14	W24	9622	09 20.5	17	SF				54			F
	SVTO	22	0643	0643	0703	N14	W23	9622	09 20.5	20	SF	3	E		55			F
	LEAR	22	0643	0645	0656	N14	W24	9622	09 20.5	13	SF	2	E		53			F
0337	URUM	22	0703E	0703	0703D	N24	W32		09 19.8	13D	SB		P		161	2.0		E
0338		22	0836	0835	0841	N16	E06	9621	09 22.8	5	SN				86	1.7		E
	URUM	22	0835E	0835	0835D	N16	E07	9621	09 22.9	5D	SN		P		161	1.7		E
	SVTO	22	0836	0837	0841	N15	E06	9621	09 22.8	5	SF	3	E		12			
0339		22	0841	0843	0850	S10	W54	9616	09 18.3	9	SF				16			
	LEAR	22	0841	0843	0850	S09	W54	9616	09 18.3	9	SF	2	E		20			
	SVTO	22	0842	0844	0850	S11	W55	9616	09 18.2	8	SF	3	E		12			
0340		22	0920	0924*	0936	N24	W07	9626	09 21.8	16	SF				88	2.3		EF
	URUM	22	0915E	0936	0936D	N25	W07	9626	09 21.8	21D	1N		P		209	2.3		E
	LEAR	22	0920	0924	0935	N24	W08	9626	09 21.8	15	SF	2	E		25			F
	SVTO	22	0920	0924	0938	N24	W07	9626	09 21.8	18	SF	3	E		31			F
0341	URUM	22	0915E	0915	0936	N16	E16	9621	09 23.6	21D	1N		P		225	2.4		E
0342		22	0923	0924*	0933	N13	W26	9622	09 20.4	10	SF				66	1.8		EF
	SVTO	22	0923	0924	0934	N13	W26	9622	09 20.4	11	SF	3	E		21			F
	LEAR	22	0923	0925	0932	N14	W26	9622	09 20.4	9	SF	2	E		16			F
	URUM	22	0936E	0936	0936D	N13	W26	9622	09 20.4	9D	SN		P		161	1.8		E
0343	SVTO	22	1050	1054	1102	S18	E46	9632	09 25.9	12	SF	3	E		46			F
0344	RAMY	22	1214	1214	1224	N08	W37	9631	09 19.7	10	SF	3	E		11			F
0345	RAMY	22	1222	1224	1229	S16	E51	9632	09 26.4	7	SF	3	E		15			F
0346		22	1355	1355	1407	S18	E48	9632	09 26.2	12	SF				14			F
	RAMY	22	1355	1355	1402	S18	E49	9632	09 26.3	7	SF	3	E		11			F
	HOLL	22	1355	1356	1412	S18	E48	9632	09 26.2	17	SF	3	E		16			F
0347	RAMY	22	1407	1408	1410	S18	E49	9632	09 26.3	3	SF	3	E		21			F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks
													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0348		22	1455	1457	1500	S18	E28	9628	09 24.7	5	SF			24		F
	HOLL	22	1455	1457	1500	S18	E29	9628	09 24.8	5	SF	3 E		34		
	RAMY	22	1455	1457	1500	S17	E28	9628	09 24.7	5	SF	3 E		13		F
0349	RAMY	22	1501	1507	1546	S17	E51	9632	09 26.5	45	SF	3 E		36		F
0350		22	1502	15182	1542	S18	E50	9632	09 26.4	40	SF			30		F
	HOLL	22	1502	1520	1545	S18	E51	9632	09 26.5	43	SF	3 E		37		
	SVTO	22	1517E	1518	1540	S17	E49	9632	09 26.4	23D	SF	3 E		22		F
0351	HOLL	22	1554	1554	1600	N13	W27	9622	09 20.6	6	SF	3 E		13		
0352	HOLL	22	1706	1707	1713	N01	E18	9627	09 24.0	7	SF	3 E		20		
0353		22	17171	1718	1722	N12	W33	9622	09 20.2	5	SF			20		
	HOLL	22	1717	1718	1723	N13	W33	9622	09 20.2	6	SF	3 E		24		
	RAMY	22	1718	1718	1722	N12	W33	9622	09 20.2	4	SF	3 E		15		
0354		22	18053	18101	1820	S16	E26	9628	09 24.7	15	SF			47		F
	HOLL	22	1805	1810	1823	S15	E26	9628	09 24.7	18	SF	3 E		59		F
	RAMY	22	1808	1811	1817	S16	E26	9628	09 24.7	9	SF	3 E		35		F
0355	HOLL	22	1816	1825	1838	S18	E47	9632	09 26.3	22	SF	3 E		30		F
0356	HOLL	22	1919	1921	1929	S20	E44	9632	09 26.2	10	SF	3 E		25		
0357	HOLL	22	2000	2008	2016	S17	E25	9628	09 24.7	16	1F	3 E		104		
0358	HOLL	22	2008	2012	2031	N11	W32	9622	09 20.4	23	SF	3 E		39		F
0359	HOLL	22	2028	2030	2035	S17	E26	9628	09 24.8	7	SF	3 E		10		
0360	HOLL	22	2127	2127	2130	S18	E25	9628	09 24.8	3	SF	3 E		23		
0361	HOLL	22	2203	2205	2229	N12	W32	9622	09 20.5	26	SF	3 E		81		F
		22	2242		2251	No Flare Patrol										
0362	LEAR	22	2321	2321	2331	S15	E21	9628	09 24.6	10	SF	3 E		14		F
0363	LEAR	23	0003	0006	0013	S15	E20	9628	09 24.5	10	SF	3 E		42		F
0364	LEAR	23	0104	0107	0109	N14	W36	9622	09 20.3	5	SF	3 E		26		
0365	LEAR	23	0158	0159	0203	N12	W35	9622	09 20.4	5	SF	3 E		10		F
0366		23	0237*	03019	0313	N12	W32	9622	09 20.7	36	SN			52	1.0	EF
	URUM	23	0237	0310	0310D	N12	W34	9622	09 20.5	33D	SN	P		80	1.0	E
	LEAR	23	0250	0301	0313	N13	W31	9622	09 20.8	23	SF	3 E		23		F
0367	URUM	23	0537E	0537	0537D	N23	E54		09 27.4	23D	1N	P		209	3.7	E
0368	URUM	23	0600E	0600	0618	N13	W35	9622	09 20.6	18D	1N	P		386	4.8	E
0369	URUM	23	0618E	0618	0618D	N01	W10	9624	09 22.5	18D	SN	P		161	1.7	E
0370		23	0716	07181	0722	N13	W38	9622	09 20.4	6	SF			12		
	SVTO	23	0716	0718	0721	N14	W39	9622	09 20.3	5	SF	3 E		10		
	LEAR	23	0716	0719	0723	N12	W37	9622	09 20.5	7	SF	3 E		15		
0371	URUM	23	0757E	0757	0757D	N25	W03	9629	09 23.1	7D	1N	P		209	2.3	E
0372	URUM	23	0906	0915	0928	N13	W35	9622	09 20.7	22	1N	C		289	3.6	E
0373	SVTO	23	0959	0959	1012	S15	E13	9628	09 24.4	13	SF	3 E		25		F
0374		23	11268	1136	1153	S17	E38	9632	09 26.4	27	SN			63		F
	RAMY	23	1126	1136	1157	S18	E40	9632	09 26.5	31	SN	3 E		81		
	SVTO	23	1134	1136	1149	S16	E37	9632	09 26.3	15	SF	3 E		45		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks
													Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0375	SVTO	23	1359	1359	1405	S16	E36	9632	09 26.3	6	SF	3 E		11		F
0376	23	1352*	1422	1524	S17	E37	9632	09 26.4	92	SF				50		F
	RAMY	23	1352	1422	1524	S18	E38	9632	09 26.5	92	SF	3 E		57		F
	SVTO	23	1418	1422	1517D	S16	E36	9632	09 26.3	59D	SF	3 E		43		F
0377	23	15411	15421	1548	S21	E20	9628	09 25.2	7	SF				20		F
	HOLL	23	1541	1542	1549	S21	E20	9628	09 25.2	8	SF	3 E		23		F
	RAMY	23	1542	1543	1548	S21	E20	9628	09 25.2	6	SF	3 E		18		F
0378	HOLL	23	1704	1705	1713	S15	E10	9628	09 24.5	9	SF	3 E		24		
		23	1726		1827	No Flare Patrol										
0379	HOLL	23	1838	1840	1845	S21	E19	9628	09 25.2	7	SF	3 E		17		F
0380	HOLL	23	2044	2047	2053	N09	W43	9622	09 20.6	9	SF	3 E		36		
0381	HOLL	23	2208	2209	2225	S21	E18	9628	09 25.3	17	SF	3 E		14		U
0382	LEAR	23	2323	2325	2340	S16	E30	9632	09 26.2	17	SF	3 E		20		F
0383	HOLL	23	2354	2354	2359	S20	E16	9628	09 25.2	5	SF	3 E		24		F
0384	LEAR	24	0016	0021	0032	S16	E06	9628	09 24.5	16	SF	3 E		53		F
0385	LEAR	24	0034	0035	0044	S15	E05	9628	09 24.4	10	SF	3 E		34		F
0386	LEAR	24	0449	0450	0456	N12	E73	9636	09 29.7	7	SF	3 E		45		F
0387	LEAR	24	0611	0613	0617	S22	E11	9628	09 25.1	6	SF	3 E		12		F
0388	24	08111	08112	0818	N21	E10	9635	09 25.1	7	SF				22		
	LEAR	24	0811	0811	0818	N21	E10	9635	09 25.1	7	SF	3 E		22		
	KANZ	24	0812	0813	0828D	N21	E10	9635	09 25.1	16D	SF	2 E				
0389	URUM	24	0855E	0855	0855D	S31	W35		09 21.6	16D	1N		P	257	4.2	E
0390	LEAR	24	0913	0915	0919	N13	E75	9636	09 30.0	6	SF	3 E		30		
0391	LEAR	24	0922	0947	0949D	S20	E22	9632	09 26.1	27D	SF	3 E		73		
0392	SVTO	24	0936E	1019	1217	S16	E23	9632	09 26.1	161D	2B	2 E		284		F
0393	URUM	24	1000	1034	1034D	S17	E29	9632	09 26.6	34D	3N		P	1206	15.7	E
0394	24	12021	12034	1210	S16	E74	9637	09 30.1	8	SF				21		
	RAMY	24	1202	1207	1210	S17	E74	9637	09 30.1	8	SF	3 E		31		
	SVTO	24	1203	1203	1209	S16	E75	9637	09 30.2	6	SF	2 E		11		
0395	24	15071	1509	1524	S22	E07	9628	09 25.2	17	SF				83		
	RAMY	24	1507	1509	1529	S22	E06	9628	09 25.1	22	SF	3 E		84		
	HOLL	24	1508	1509	1519	S22	E08	9628	09 25.2	11	SF	3 E		82		
0396	HOLL	24	1624	1629	1642	N17	W21	9621	09 23.1	18	SF	3 E		26		
0397	RAMY	24	1644	1645	1650	S18	E01	9628	09 24.8	6	SF	3 E		20		
0398	24	1658	1659	1717	N09	E66	9636	09 29.7	19	1F				110		
	RAMY	24	1658	1659	1714	N08	E66	9636	09 29.6	16	SF	3 E		60		
	HOLL	24	1700E	1700U	1720	N10	E66	9636	09 29.7	20D	1F	3 E		159		
0399	RAMY	24	1723	1723	1727	N10	E67	9636	09 29.7	4	SF	3 E		21		
0400	RAMY	24	1721	1722	1728	S19	E02	9628	09 24.9	7	SF	3 E		12		F
0401	24	1737	1740	1807	S18	E02	9628	09 24.9	30	SF				31		F
	RAMY	24	1737	1738U	2057D	S17	E01	9628	09 24.8	200D	SF	3 E		30		F
	HOLL	24	1737	1740	1807	S18	E03	9628	09 25.0	30	SF	3 E		32		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Area	Measurement		Remarks	
								USAF Region						Mo	Day		Time (UT)
0402	HOLL	24	1835	1852	1900	S20	E05	9628	09	25.1	25	SF	3	E	44		F
0403	HOLL	24	1939	1939	1942	N11	E69	9636	09	30.0	3	SF	3	E	17		
0404	HOLL	24	1950	1956	2015	S17	E05	9628	09	25.2	25	SF	3	E	36		F
0405	HOLL	24	2028	2031	2041	S16	E05	9628	09	25.2	13	SF	3	E	11		F
0406	HOLL	24	2139	2139	2143	S21	E00	9628	09	24.9	4	SF	3	E	29		
0407	HOLL	24	2205	2212	2223	S16	E04	9628	09	25.2	18	SF	3	E	57		F
0408	HOLL	24	2207	2207	2213	N08	W67	9631	09	19.9	6	SF	3	E	23		F
0409	HOLL	24	2257	2259	2301	S12	W88	9616	09	18.3	4	SF	3	E	63		
0410	HOLL	24	2318	2318	2323	N11	E59	9636	09	29.4	5	SF	3	E	21		
0411	HOLL	24	2340	2403	2418	S16	W05	9628	09	24.6	38	1F	3	E	122		FU
0412	LEAR	25	0029E	0029U	0051	S17	W07	9628	09	24.5	22D	SF	3	E	74		FH
0413	LEAR	25	0133	0133	0138	S14	E03	9628	09	25.3	5	SF	3	E	13		
0414		25	0141	01512	0204	S15	E03	9628	09	25.3	23	1N			129	2.3	E
	LEAR	25	0141	0151	0208	S14	E03	9628	09	25.3	27	SF	3	E	49		
	URUM	25	0153E	0153	0159	S16	E03	9628	09	25.3	6D	1N		P	209	2.3	E
0415	LEAR	25	0349	0351	0356	N14	E76	9636	09	30.9	7	SF	3	E	57		
0416	LEAR	25	0426	0440	0506	S18	W01	9628	09	25.1	40	1N	3	E	144		FZ
0417	LEAR	25	0455	0458	0503	N14	E76	9636	09	30.9	8	SF	3	E	26		
0418	LEAR	25	0511	0511	0530	S18	E06	9628	09	25.7	19	SF	2	E	48		F
0419	LEAR	25	0517	0518	0520	S17	E17	9632	09	26.5	3	SF	3	E	14		
0420	URUM	25	0532E	0536	0547	S22	E02	9632	09	25.4	15D	2B		P	450	5.3	E
0421		25	0644*	0645*	0702	N18	W30	9621	09	23.0	18	SF			15		F
	SVTO	25	0644	0645	0702	N17	W30	9621	09	23.0	18	SF	3	E	13		F
	LEAR	25	0657	0657	0702	N18	W29	9621	09	23.1	5	SF	2	E	17		F
0422	SVTO	25	0817	0823	0835	S16	W02	9628	09	25.2	18	SF	3	E	24		F
0423	SVTO	25	1020	1027	1040	S16	W03	9628	09	25.2	20	1N	3	E	146		H
0424	SVTO	25	1043	1048	1051	S15	W04	9628	09	25.1	8	SF	3	E	12		
0425		25	1143	1144	1206	S18	W12	9628	09	24.6	23	SF			31		F
	RAMY	25	1143	1144	1211	S18	W13	9628	09	24.5	28	SF	3	E	42		F
	SVTO	25	1152E	1155U	1200	S18	W10	9628	09	24.7	8D	SF	3	E	20		F
0426	RAMY	25	1400	1400	1404	S17	W05	9628	09	25.2	4	SF	3	E	11		
0427	RAMY	25	1642	1642	1651	S16	W15	9628	09	24.5	9	SF	3	E	14		F
0428		25	16495	16516	1705	S16	E07	9632	09	26.2	16	SF			12		F
	RAMY	25	1649	1651	1704	S16	E07	9632	09	26.2	15	SF	3	E	12		F
	HOLL	25	1654	1657	1706	S16	E07	9632	09	26.2	12	SF	3	E	11		
0429		25	1713	17162	1730	S17	W08	9628	09	25.1	17	SN			76		FHU
	HOLL	25	1713	1716	1730	S17	W08	9628	09	25.1	17	SF	3	E	79		U
	RAMY	25	1713	1718	1730	S17	W08	9628	09	25.1	17	SN	3	E	74		FH
0430	HOLL	25	1726	1730	1745	S20	E05	9632	09	26.1	19	SF	3	E	23		F

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0431		25	18471	1850	1908	S20	W10	9628	09	25.0	21	SF					20		F
	HOLL	25	1847	1850	1908	S20	W08	9628	09	25.2	21	SF	3	E			26		
	RAMY	25	1848	1850	1907	S20	W11	9628	09	24.9	19	SF	3	E			13		F
0432	HOLL	25	1913	1918	1925	S21	W11	9628	09	24.9	12	SF	3	E			16		
0433	HOLL	25	1937	1938	1958	S16	W09	9628	09	25.1	21	SF	3	E			33		
0434	HOLL	25	2009	2009	2019	S19	E10	9632	09	26.6	10	SF	3	E			20		F
0435	HOLL	25	2015	2054	2158	S20	W14	9628	09	24.8	103	SF	3	E			23		
0436	HOLL	25	2308	2310	2314	S16	W12	9628	09	25.0	6	SF	3	E			12		
0437	HOLL	25	2356	2402	2415	S19	E08	9632	09	26.6	19	SF	3	E			20		F
0438	SVTO	26	0637	0639	0725	S16	W23	9628	09	24.5	48	SF	3	E			62		F
0439	URUM	26	0640	0647	0725	S09	W29		09	24.1	45	1N			C		209	2.6	E
		26	0751		0904	No Flare Patrol													
0440	RAMY	26	1118	1118	1131	N12	W57	9620	09	22.2	13	SF	3	E			19		
0441	RAMY	26	1228	1229	1305	N13	E51	9636	09	30.4	37	SF	3	E			24		F
0442		26	16156	16311	1658	N15	E54	9636	09	30.8	43	SF					34		F
	HOLL	26	1615	1631	1715	N14	E55	9636	09	30.8	60	SF	3	E			58		F
	RAMY	26	1621	1632	1642	N16	E53	9636	09	30.7	21	SF	3	E			11		F
0443		26	17121	17132	1740	S17	W21	9628	09	25.1	28	SF					33		FH
	HOLL	26	1712	1713	1740	S17	W21	9628	09	25.1	28	SF	3	E			14		FH
	RAMY	26	1713	1715	1740	S17	W21	9628	09	25.1	27	SF	3	E			52		F
0444	HOLL	26	1910	1912	1916	N11	E32	9634	09	29.2	6	SF	3	E			14		F
0445	HOLL	26	1932	1938	2002	S18	W22	9628	09	25.1	30	SF	3	E			52		F
0446	HOLL	26	1953	1953	2000	N02	W54	9624	09	22.8	7	SF	3	E			31		F
0447	HOLL	26	2118	2119	2128	S20	W24	9628	09	25.0	10	SF	3	E			21		
0448	HOLL	26	2150	2152	2205	N26	W52	9629	09	22.9	15	SF	3	E			34		FU
0449	HOLL	26	2157	2158	2203	S19	W05	9632	09	26.5	6	SF	3	E			12		
0450	HOLL	26	2227	2227	2248	S20	W26	9628	09	24.9	21	SF	3	E			19		
0451	HOLL	26	2236	2255	2347	N11	E36	9636	09	29.6	71	SF	3	E			60		F
0452	HOLL	26	2239	2240	2256	N00	W39	9627	09	24.0	17	SF	3	E			15		F
0453	HOLL	26	2249	2257	2313	N15	W54	9621	09	22.9	24	SF	3	E			23		FH
0454	HOLL	26	2307	2316	2323	S20	W23	9628	09	25.2	16	SF	3	E			19		F
0455	HOLL	26	2309	2310	2313	S13	E46	9637	09	30.4	4	SF	3	E			19		F
0456	LEAR	27	0259	0259	0304	N04	W57	9624	09	22.9	5	SF	2	E			15		
0457	LEAR	27	0351	0357	0404	N12	E34	9636	09	29.7	13	SF	3	E			17		F
0458	LEAR	27	0424	0424	0437	S20	W27	9628	09	25.1	13	SF	3	E			10		F
0459		27	0614	06191	0626	S19	W28	9628	09	25.1	12	SF					15		F
	LEAR	27	0614	0619	0625	S18	W29	9628	09	25.0	11	SF	3	E			11		F
	SVTO	27	0614	0620	0629	S21	W26	9628	09	25.3	15	SF	3	E			19		F
	KANZ	27	0621E		0625	S19	W28	9628	09	25.1	4D	SF	2	E					

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H α SOLAR FLARES

SEPTEMBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/		Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								Region	Mo Day						Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0460		27	07501	0809	0823	S17	W39	9628	09	24.4	33	SF				58		F
	LEAR	27	0750	0801U	0823D	S16	W39	9628	09	24.4	33D	SF	1	E		63		F
	SVTO	27	0751	0808U	0822D	S18	W38	9628	09	24.4	31D	SF	2	E		53		F
	KANZ	27	0751	0809	0823	S18	W39	9628	09	24.3	32	SF	2	E				
0461	RAMY	27	1118	1118	1124	S19	W31	9628	09	25.1	6	SF	3	E		24		
0462		27	1145*	12132	1228	S20	W31	9628	09	25.1	43	SF				28		
	RAMY	27	1145	1215	1240	S18	W32	9628	09	25.0	55	SF	3	E		40		
	SVTO	27	1210	1213	1217	S22	W30	9628	09	25.2	7	SF	3	E		15		
0463	RAMY	27	1359	1401	1404	S19	W40	9628	09	24.5	5	SF	3	E		10		
0464	HOLL	27	1420	1420	1427	S12	E37	9637	09	30.4	7	SF	3	E		16		
0465	SVTO	27	1542	1542	1553	N14	E28	9636	09	29.8	11	SF	3	E		11		
0466	RAMY	27	1603	1605	1621	S16	E37	9637	09	30.5	18	SF	3	E		31		FH
0467	RAMY	27	1620	1620	1625	S17	W20	9632	09	26.2	5	SF	3	E		14		F
0468	HOLL	27	1659	1701	1710	N12	E16	9634	09	28.9	11	SF	3	E		17		F
0469	HOLL	27	1704	1705	1709	S17	W43	9628	09	24.4	5	SF	3	E		12		F
0470	HOLL	27	1756	1757	1802	S20	W34	9628	09	25.1	6	SF	3	E		83		F
0471	HOLL	27	1827	1829	1838	N11	E15	9634	09	28.9	11	SF	3	E		13		
0472	HOLL	27	2046	2050	2105	N13	E33	9636	09	30.3	19	SF	3	E		51		F
0473	HOLL	27	2052	2052	2110	N12	E14	9634	09	28.9	18	SF	3	E		17		F
0474	HOLL	27	2204	2205	2209	N22	W37	9635	09	25.1	5	SF	3	E		53		
0475	HOLL	27	2215	2217	2221	S17	W19	9632	09	26.5	6	SF	3	E		27		
0476	LEAR	28	0018	0018	0028	S16	W21	9632	09	26.4	10	SF	3	E		14		F
0477	LEAR	28	0051	0054	0103	N10	E13	9634	09	29.0	12	SF	3	E		27		F
0478	LEAR	28	0203	0203	0228	S17	E32	9637	09	30.5	25	1F	3	E		122		FZ
0479		28	0400	0428	0449	S14	W27	9632	09	26.1	49	1N				139	2.7	E
	URUM	28	0400	0428	0449	S17	W29	9632	09	26.0	49	1B		C		209	2.7	E
	LEAR	28	0424E	0432U	0453D	S12	W25	9632	09	26.3	29D	SF	3	E		69		
0480	LEAR	28	0424E	0425U	0453D	S17	W49	9628	09	24.4	29D	SF	3	E		31		
0481		28	06334	06443	0700	N21	W42	9635	09	25.0	27	SF				181	4.5	E
	KANZ	28	0633	0647	0659	N21	W43	9635	09	25.0	26	SF	2	E				
	SVTO	28	0637	0647	0657	N19	W42	9635	09	25.1	20	SF	3	E		41		
	URUM	28	0644E	0644	0704	N23	W41	9635	09	25.1	20D	1N		P		321	4.5	E
0482	URUM	28	0700E	0704	0704D	S18	W29	9632	09	26.1	4D	1N		P		161	2.1	E
0483	KANZ	28	0727	0729	0733	S18	W26	9632	09	26.3	6	SF	2	E				
0484	SVTO	28	0728	0728	0732	S23	W18	9632	09	26.9	4	SF	3	E		14		F
0485	KANZ	28	0735	0744	0808	S17	W35	9632	09	25.6	33	SF	2	E				
0486	SVTO	28	0755	0757U	0802	S19	W40	9628	09	25.3	7	SF	3	E		46		
0487		28	08454	08483	0904	S18	E28	9637	09	30.5	19	SF				43		F
	KANZ	28	0845	0848	0906	S18	E28	9637	09	30.5	21	SF	2	E				
	SVTO	28	0847	0851	0904	S17	E28	9637	09	30.5	17	SF	3	E		49		F
	LEAR	28	0849	0849	0903	S19	E28	9637	09	30.5	14	SF	3	E		37		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks	
													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0488		28	08462	08495	0915	S15	W31	9632	09 26.0	29	SF				34		
	KANZ	28	0846	0849	0914	S16	W31	9632	09 26.0	28	SF	2	E				
	LEAR	28	0847	0854	0917	S14	W32	9632	09 25.9	30	SF	3	E		45		
	SVTO	28	0848	0852U	0915	S15	W31	9632	09 26.0	27	SF	3	E		22		
0489		28	08103	08221	0947	N11	E18	9636	09 29.7	97	2N				305		FH
	KANZ	28	0810	0823	1000	N11	E17	9636	09 29.6	110	2N	2	E				
	LEAR	28	0812	0822	0934	N10	E18	9636	09 29.7	82	2N	3	E		284		FH
	SVTO	28	0813	0822U	0953D	N11	E18	9636	09 29.7	100D	2N	2	E		326		FH
0490	URUM	28	0902	0905	1000	N14	E17	9636	09 29.7	58	1B		C		273	3.0	E
0491		28	09255	0948*	1123	S18	W36	9628	09 25.6	118	1N				308	7.0	E
	URUM	28	0925	1007	1046	S17	W38	9628	09 25.5	81	2B		C		482	7.0	E
	KANZ	28	0930	0948	1141	S18	W35	9628	09 25.7	131	1N	2	E				
	SVTO	28	0931E	0949U	1142	S18	W36	9628	09 25.6	131D	1N	2	E		135		
0492	URUM	28	0917E	0917	0932D	N21	W42	9635	09 25.2	15D	1N		P		193	2.7	E
0493	URUM	28	0932E	0932	0932D	N22	W40	9635	09 25.3	15D	SB		P		64	0.9	D
0494	SVTO	28	0940E	0953U	1044D	S17	W24	9632	09 26.6	64D	SF	2	E		46		
0495		28	13531	13561	1406	S18	E26	9637	09 30.5	13	SF				11		
	KANZ	28	1353	1356	1401	S19	E26	9637	09 30.6	8	SF	2	E				
	HOLL	28	1354	1357	1411	S18	E26	9637	09 30.5	17	SF	3	E		11		
0496	HOLL	28	1357	1359	1408	S17	W47	9628	09 25.0	11	SF	3	E		12		
0497	HOLL	28	1422	1426	1430	S20	W56	9628	09 24.3	8	SF	3	E		19		
0498		28	14544	1512*	1558	S19	W54	9628	09 24.5	64	SF				58		F
	HOLL	28	1454	1523	1629	S20	W57	9628	09 24.3	95	SF	3	E		78		F
	SVTO	28	1458	1512	1526	S18	W52	9628	09 24.7	28	SF	3	E		37		F
0499		28	1553	1554	1601	S17	W46	9628	09 25.2	8	SF				18		F
	RAMY	28	1553	1554	1601	S18	W47	9628	09 25.1	8	SF	3	E		14		
	SVTO	28	1553	1554	1602D	S16	W46	9628	09 25.2	9D	SF	2	E		22		F
0500	HOLL	28	1607	1611	1631	S18	W31	9632	09 26.3	24	SF	3	E		31		F
0501	HOLL	28	1700	1707	1721	N14	E14	9634	09 29.8	21	SF	3	E		28		F
0502	HOLL	28	1712	1716	1726	S17	W47	9628	09 25.1	14	SF	3	E		39		F
0503	HOLL	28	1750	1800	1812	S17	W48	9628	09 25.1	22	SF	3	E		14		F
0504	HOLL	28	1813	1824	1917	N14	E08	9634	09 29.4	64	1F	4	E		116		F
0505	HOLL	28	1813	1823	1837	S15	W50	9628	09 25.0	24	SF	3	E		13		
0506	HOLL	28	1919	1924	2027	S18	E22	9637	09 30.5	68	1F	3	E		145		FH
0507	HOLL	28	1920	1921	1926	N11	W10	9634	09 28.0	6	SF	3	E		14		
0508	HOLL	28	1920	1925	1938	S16	W50	9628	09 25.0	18	SF	3	E		19		
0509	HOLL	28	2001	2001	2007	N12	E21	9636	09 30.4	6	SF	3	E		13		F
0510	HOLL	28	2109	2123	2215	N13	E11	9634	09 29.7	66	1F	3	E		102		F
0511	HOLL	28	2113	2118	2157	S11	E21	9637	09 30.5	44	SF	3	E		84		F
0512	HOLL	28	2306	2306	2321	S16	W50	9628	09 25.2	15	SF	3	E		22		F
0513	LEAR	28	2358	2415	2451	S14	W54	9628	09 24.9	53	SF	3	E		72		F
		29	0044		0049												No Flare Patrol
		29	0057		0103												No Flare Patrol

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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	Time (UT)	Area Measurement		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
0541	RAMY	30	1134	1135	1156	S20	W75	9628	09	24.7	22	SF	3	E		54		F
		30	1632		1648	No Flare Patrol												
0542	RAMY	30	1728	1734	1807	N11	W17	9636	09	29.4	39	SF	3	E		44		F
0543	RAMY	30	1733	1735	1739	S18	W61	9628	09	26.1	6	SF	3	E		12		F
0544	RAMY	30	1822	1823	1837	N11	W16	9636	09	29.6	15	SF	3	E		22		F
0545	RAMY	30	1828	1829	1842	S18	W79	9628	09	24.7	14	SF	3	E		57		
0546	RAMY	30	1829	1829	1837	S19	W60	9632	09	26.2	8	SF	3	E		13		F
0547	RAMY	30	1842	1843	1901	N11	W16	9636	09	29.6	19	SF	3	E		33		F
0548		30	1928	1928	1934	S24	W70	9628	09	25.4	6	SF				44		
	HOLL	30	1928E	1928U	1931D	S24	W68	9628	09	25.5	3D	SF	3	E		38		
	RAMY	30	1928	1928	1934	S24	W71	9628	09	25.3	6	SF	3	E		50		
		30	2017		2026	No Flare Patrol												
		30	2036		2043	No Flare Patrol												
0549	RAMY	30	2046	2047	2057	S17	W56	9632	09	26.6	11	SF	3	E		15		
		30	2049		2400	No Flare Patrol												

"Remarks"

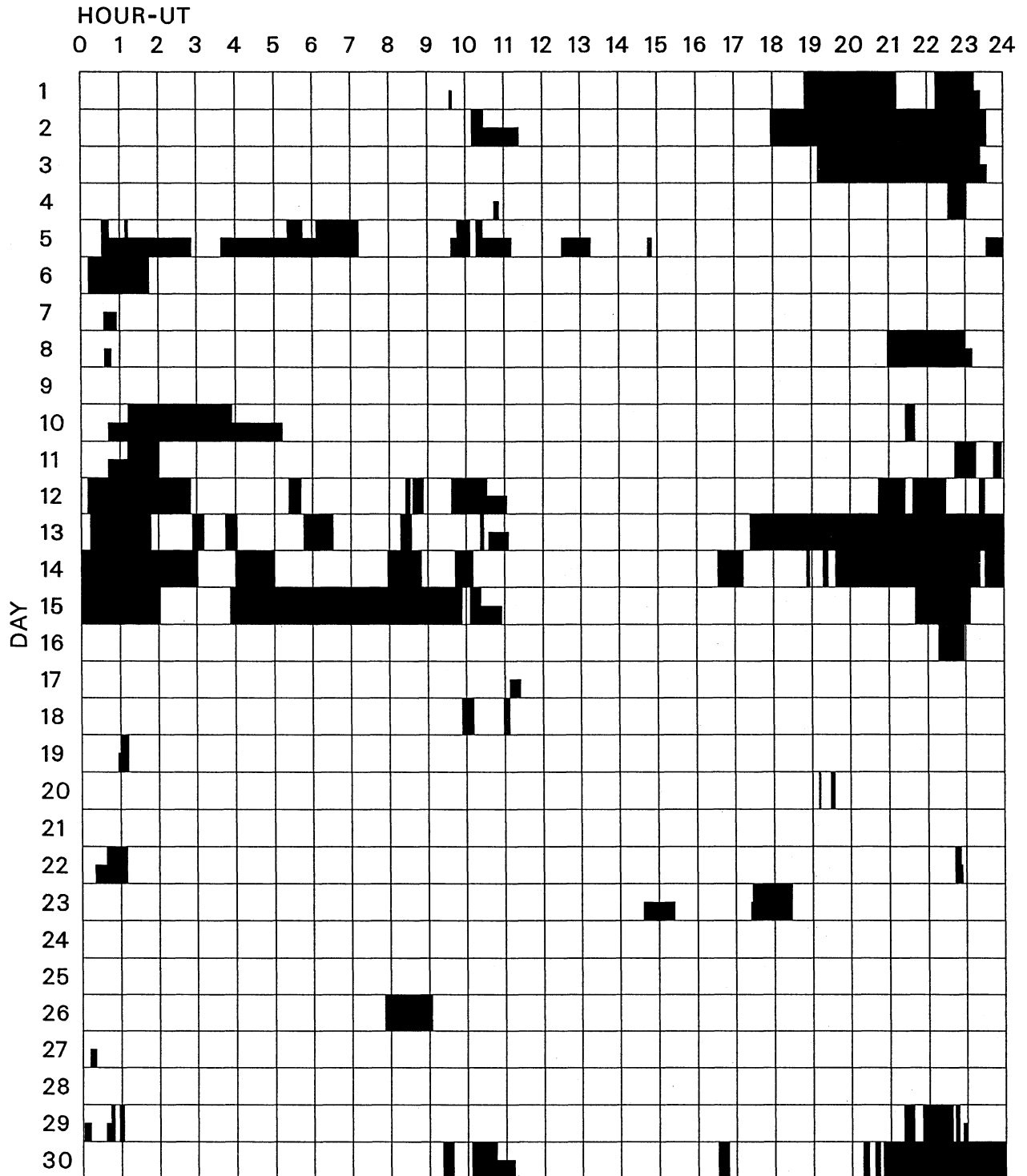
- | | |
|---|---|
| <p>A = Eruptive prominence whose base is less than 90 degrees from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in 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

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INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

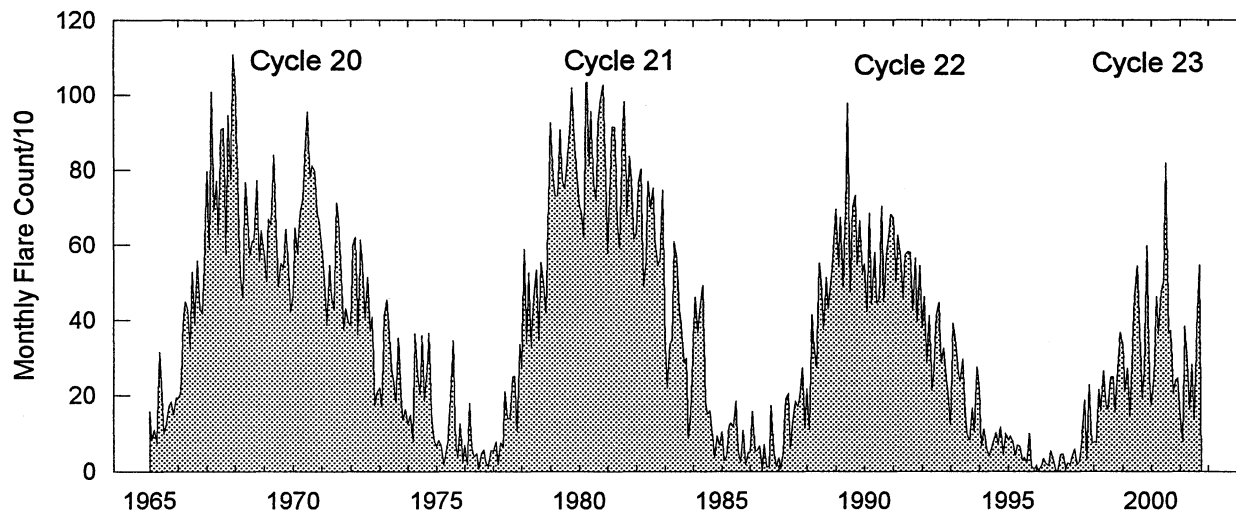
SEPTEMBER 2001



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 Learmonth Ramey San Vito
Mitaka Urumqi Kanzelhoehe

Monthly Counts of Grouped Solar Flares Jan 1965 - Sep 2001



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	208	241	246	4474
2001	147	77	383	284	164	282	137	376	549				2399

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

SEPTEMBER 2001

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	43 NS	0905.0		195.0		2.0		V=1	
	245	SGMR	43 NS	1128.0	1133.0	91.0	170.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	1224.0	1227.0	62.0	81.0			QL=4 ST=2 TYP=1	
	235	CUBA	44 NS	1316.0E		284.0D		8.0			
	280	CUBA	44 NS	1316.0E		284.0D		17.0			
	245	LEAR	8 S	0314.0	0314.0	U	120.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0325.0	0325.0	U	120.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0334.0	0334.0	1.0	140.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0342.0	0343.0	1.0	98.0				QL=4 ST=2 TYP=3
	9100	GORK	1 S	0713.8	0714.1	1.0	2.0				
	410	SVTO	8 S	0714.0	0714.0	1.0	21.0				QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0714.0	0715.0	3.0	66.0				QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0714.9	0728.2	23.1	27.0				
	204	IZMI	42 SER	0811.9	0813.9	4.6	21.0				
	204	IZMI	41 F	0815.8	0816.0	0.6	171.0				
	2840	PEKG	5 S	0829.0	0831.8	9.0	13.9				
	3000	IZMI	20 GRF	0830.3	0831.7	3.6	19.0	9.0			
	2950	GORK	4 S/F	0833.7	0834.8	3.0	11.0				
	410	SVTO	8 S	0844.0	0845.0	1.0	61.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	0845.0	0846.0	1.0	66.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0846.0	0846.0	U	82.0				QL=4 ST=2 TYP=3
	9100	GORK	2 S/F	1018.8	1019.5	1.4	8.0				
	204	IZMI	25 R	1040.0		68.0		40.0			
	610	SVTO	8 S	1100.0	1102.0	2.0	190.0				QL=4 ST=3 TYP=3
	245	SVTO	8 S	1102.0	1103.0	1.0	140.0				QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1102.0	1103.0	3.0	20.0				QL=4 ST=2 TYP=3
	204	IZMI	41 F	1128.1	1128.6	1.0	246.0				
	127	TORN	7 C	1145.6	1146.5	1.2	100.0	30.0			
	245	SGMR	48 C	1412.0	1421.0	21.0	190.0				QL=4 ST=2 TYP=8
	410	SGMR	8 S	1433.0	1433.0	U	13.0				QL=4 ST=2 TYP=3
	245	SGMR	48 C	1435.0	1435.0	2.0	63.0				QL=4 ST=2 TYP=8
	245	SGMR	48 C	1508.0	1508.0	6.0	86.0				QL=4 ST=2 TYP=8
	245	SVTO	8 S	1603.0	1604.0	1.0	27.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1604.0	1604.0	U	230.0				QL=4 ST=2 TYP=3
	410	SGMR	8 S	1604.0	1604.0	U	37.0				QL=4 ST=2 TYP=3
	410	SVTO	8 S	1604.0	1604.0	U	53.0				QL=4 ST=3 TYP=3
	245	SGMR	8 S	1924.0	1925.0	2.0	230.0				QL=4 ST=2 TYP=3
	410	SGMR	8 S	1924.0	1925.0	1.0	100.0				QL=4 ST=2 TYP=3
	610	SGMR	8 S	1925.0	1925.0	U	61.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	2008.0	2008.0	U	640.0				QL=4 ST=2 TYP=3
	2800	PENT	1 S	2039.0	2041.0	4.0	10.0				
	8800	PALE	8 S	2040.0	2041.0	2.0	100.0				QL=4 ST=2 TYP=3
	15400	PALE	8 S	2040.0	2041.0	2.0	280.0				QL=4 ST=2 TYP=3
	4995	PALE	8 S	2041.0	2041.0	1.0	48.0				QL=4 ST=2 TYP=3
	4995	SGMR	8 S	2041.0	2041.0	U	49.0				QL=4 ST=2 TYP=3
8800	SGMR	8 S	2041.0	2041.0	1.0	100.0				QL=4 ST=2 TYP=3	
15400	SGMR	8 S	2041.0	2041.0	1.0	240.0				QL=4 ST=2 TYP=3	
245	SGMR	8 S	2053.0	2053.0	1.0	170.0				QL=4 ST=2 TYP=3	
500	HIRA	8 S	2133.0	2133.0	1.0	10.0				0	
2840	PEKG	45 C	2303.0	2315.3	21.0	114.6					
2804	VORO	46 C	2308.8	2315.4	7.4	114.0					
2800	HIRA	8 S	2310.0	2310.0	1.0	40.0				WL	
2800	HIRA	4 S/F	2314.0	2315.0	2.0	85.0				ML	
2695	LEAR	8 S	2314.0	2315.0	1.0	75.0				QL=2 ST=2 TYP=3	
4995	LEAR	4 S/F	2314.0	2316.0	7.0	100.0				QL=2 ST=2 TYP=3	
8800	LEAR	4 S/F	2314.0	2316.0	7.0	200.0				QL=2 ST=2 TYP=3	
15400	LEAR	4 S/F	2314.0	2320.0	7.0	140.0				QL=2 ST=2 TYP=3	
2695	PALE	8 S	2314.0	2315.0	2.0	150.0				QL=4 ST=2 TYP=3	
4995	PALE	8 S	2314.0	2315.0	2.0	65.0				QL=4 ST=2 TYP=3	
8800	PALE	8 S	2314.0	2315.0	2.0	130.0				QL=4 ST=2 TYP=3	
15400	PALE	8 S	2314.0	2315.0	2.0	140.0				QL=4 ST=2 TYP=3	
02	245	LEAR	43 NS	0417.0	0450.0	142.0	310.0			QL=4 ST=2 TYP=1	
	245	SVTO	43 NS	0436.0	0500.0U	70.0	220.0			QL=4 ST=2 TYP=1	
	410	SVTO	43 NS	0444.0	0446.0	66.0	100.0			QL=4 ST=2 TYP=1	
	410	LEAR	43 NS	0445.0	0450.0	64.0	83.0			QL=4 ST=2 TYP=1	
	204	IZMI	43 NS	0600.0		360.0D		15.0			

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
02	127	TORN	43 NS	0744.0		436.0		8.0		V=2
	245	LEAR	43 NS	0817.0	0918.0	99.0	550.0			QL=4 ST=2 TYP=1
	245	SVTO	43 NS	0906.0	0918.0	279.0	400.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1225.0	1406.0	164.0	330.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1345.0E		485.0D		13.0		
	280	CUBA	44 NS	1345.0E		485.0D		19.0		
	245	SGMR	43 NS	1726.0	1833.0	109.0	590.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	1807.0	1833.0	89.0	800.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	2034.0	2046.0	12.0	67.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2216.0	2237.0	143.0	220.0			QL=4 ST=2 TYP=1
	2840	PEKG	1 S	0116.0	0118.6	8.0	9.4			
	2804	VORO	3 S	0118.1	0118.5	3.6	9.9			
	2800	HIRA	3 S	0310.0	0313.0	5.0	55.0			0
	2804	VORO	46 C	0310.0	0312.5	5.0	52.5			
	2840	PEKG	3 S	0310.0E	0312.8	9.0U	60.2			
	2695	LEAR	8 S	0312.0	0312.0	1.0	43.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0312.0	0312.0	U	28.0			QL=4 ST=2 TYP=3
	2804	VORO	29 PBI	0315.0	0315.0	20.0	7.0			
	2840	PEKG	5 S	0404.0E	0405.8	5.0U	28.5			
	2800	HIRA	1 S	0405.0	0406.0	2.0	30.0			0
	500	HIRA	1 S	0405.0	0406.0	2.0	10.0			0
	410	LEAR	8 S	0405.0	0406.0	1.0	11.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0405.0	0406.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0405.0	0405.0	4.0	83.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0405.0	0405.0	7.0	72.0			QL=4 ST=2 TYP=3
	2804	VORO	1 S	0405.2	0405.8	1.8	25.0			
	500	HIRA	1 S	0416.0	0418.0	4.0	15.0			0
	245	PALE	4 S/F	0417.0	0420.0	3.0	99.0			QL=4 ST=2 TYP=3
	2840	PEKG	45 C	0435.0	0438.9	10.0	32.0			
	2950	GORK	21 GRF	0436.4	0442.8	39.2	13.0			
	2950	GORK	46 C	0437.6	0439.7		10.0			
	2950	GORK	46 C	0437.6	0438.8	3.2	19.0			
	9100	GORK	2 S/F	0501.0	0501.5	1.5	12.0			
	600	GORK	46 C	0511.2	0511.6	1.4	17.0			
	600	GORK	46 C	0511.2	0511.8		11.0			
	2840	PEKG	5 S	0540.0	0543.7	7.0	53.3			
	4995	LEAR	8 S	0543.0	0543.0	1.0	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0543.0	0543.0	1.0	240.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0543.0	0543.0	1.0	370.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0543.0	0543.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0543.0	0543.0	3.0	260.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0543.0	0543.0	3.0	410.0			QL=4 ST=2 TYP=3
	9100	GORK	21 GRF	0543.2	0630.0	106.8	32.0			
	9100	GORK	46 C	0543.2	0543.7	4.1	270.0			
	9100	GORK	46 C	0543.2	0545.7		25.0			
	2950	GORK	3 S	0543.2	0543.7	0.9	39.0			
	2840	PEKG	20 GRF	0555.0	0601.6	10.0	9.5			
	9100	GORK	46 C	0556.2	0557.5		29.0			
	9100	GORK	46 C	0556.2	0556.7	2.2	23.0			
	9100	GORK	4 S/F	0600.5	0601.6	1.7	30.0			
2950	GORK	2 S/F	0600.5	0601.7	2.5	2.0				
3000	IZMI	20 GRF	0600.8	0601.7	1.2	11.0	6.0			
4995	LEAR	8 S	0601.0	0601.0	U	24.0			QL=4 ST=2 TYP=3	
8800	LEAR	8 S	0601.0	0601.0	1.0	33.0			QL=4 ST=2 TYP=3	
600	GORK	4 S/F	0601.9	0602.8	1.5	18.0				
8800	SVTO	8 S	0604.0	0604.0	U	23.0			QL=4 ST=2 TYP=3	
15400	SVTO	8 S	0604.0	0604.0	U	24.0			QL=4 ST=2 TYP=3	
2840	PEKG	1 S	0627.0	0630.7	8.0	8.3				
2950	GORK	1 S	0632.5	0632.9	1.7	3.4				
245	SVTO	8 S	0646.0	0647.0	1.0	82.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	0646.0	0647.0	2.0	51.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	0702.0	0703.0	1.0	360.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0702.0	0703.0	1.0	280.0			QL=4 ST=2 TYP=3	
204	IZMI	45 C	0702.9	0702.9	0.5	154.0				
204	IZMI	42 SER	0707.9	0707.9	0.5	42.0				
204	IZMI	25 R	0742.1		43.9		51.0			
204	IZMI	42 SER	0801.2	0802.7	6.7	189.0				
245	SVTO	48 C	0808.0	0813.0	5.0	61.0			QL=4 ST=2 TYP=8	
245	LEAR	8 S	0809.0	0809.0	1.0	58.0			QL=4 ST=2 TYP=3	

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SEPTEMBER 2001

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	245	LEAR	8 S	0813.0	0813.0	U	79.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0817.0	0817.0	1.0	88.0			QL=4 ST=2 TYP=3	
	204	IZMI	25 R	0852.0		59.0		72.0			
	204	IZMI	42 SER	0900.9	0902.4	1.9	250.0				
	204	IZMI	42 SER	0905.9	0909.3	21.1	296.0				
	2840	PEKG	45 C	0911.0	0916.2	29.0	90.2				
	900	GORK	46 C	0914.1	0916.0	2.6	37.0				
	900	GORK	46 C	0914.1	0916.3		44.0				
	4995	LEAR	8 S	0915.0	0915.0	1.0	36.0				QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0915.0	0916.0	3.0	99.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0915.0	0916.0	2.0	73.0				QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0915.0	0915.0	2.0	78.0				QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0915.0	0916.0	1.0	30.0				QL=4 ST=2 TYP=3
	2950	GORK	46 C	0915.0	0916.2		72.0				
	2950	GORK	46 C	0915.0	0915.8	4.0	74.0				
	9100	GORK	4 S/F	0915.2	0915.8	4.0	31.0				
	2950	GORK	29 PBI	0919.0	0919.0	26.5	12.0				
	204	IZMI	45 C	0942.5	0942.6	0.3	116.0				
	204	IZMI	42 SER	0943.9	0945.7	4.7	72.0				
	204	IZMI	45 C	1007.5	1007.8	0.5	112.0				
	204	IZMI	41 F	1033.6	1034.3	1.7	48.0				
	1415	SGMR	4 S/F	1038.0	1040.0	3.0	130.0				QL=2 ST=2 TYP=3
	1415	SVTO	4 S/F	1038.0	1040.0	3.0	130.0				QL=4 ST=2 TYP=3
	204	IZMI	45 C	1056.3	1056.5	0.6	68.0				
	245	SGMR	8 S	1118.0	1118.0	U	52.0				QL=4 ST=2 TYP=3
	204	IZMI	41 F	1124.7	1125.2	1.2	40.0				
	204	IZMI	41 F	1152.2	1152.4	0.6	62.0				
	33	UPIC	46 C	1226.0	1226.5	3.5					
	127	TORN	45 C	1332.0	1332.7	2.8	140.0	60.0			
	410	SGMR	8 S	1337.0	1337.0	U	78.0				QL=4 ST=2 TYP=3
	410	SVTO	8 S	1337.0	1337.0	U	130.0				QL=4 ST=2 TYP=3
	6700	CUBA	47 GB	1341.0	1346.8	11.0	810.0	405.0			4L
	8800	SGMR	4 S/F	1344.0	1345.0	6.0	750.0				QL=4 ST=2 TYP=3
	2695	SGMR	48 C	1345.0	1346.0	7.0	140.0				QL=4 ST=2 TYP=8
	15400	SGMR	49 GB	1345.0	1346.0	7.0	1500.0				QL=4 ST=2 TYP=6
	4995	SGMR	4 S/F	1345.0	1346.0	6.0	540.0				QL=4 ST=2 TYP=3
1415	SGMR	4 S/F	1347.0	1348.0	4.0	130.0				QL=4 ST=2 TYP=3	
6700	CUBA	29 PBI	1352.0		55.0	32.0	16.0			3L	
2800	PENT	21 GRF	1508.0	1541.0	43.0	9.0					
245	SGMR	8 S	1711.0	1711.0	U	95.0				QL=4 ST=2 TYP=3	
2800	PENT	21 GRF	1735.0	1754.0	54.0	18.0					
2800	PENT	21 GRF	1830.0	1839.0	54.0	11.0					
245	PALE	49 GB	1839.0	1840.0	1.0	3400.0				QL=4 ST=2 TYP=6	
410	PALE	4 S/F	1839.0	1839.0	3.0	20.0				QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1839.0	1839.0	1.0	3400.0				QL=4 ST=2 TYP=6	
245	SGMR	49 GB	1839.0	1839.0	1.0	3400.0				QL=4 ST=3 TYP=6	
2804	VORO	3 S	2326.0	2327.6	3.8	6.0					
03	127	TORN	43 NS	0848.0		256.0		5.0		V=1	
	235	CUBA	44 NS	1300.0E		300.0D		6.0			
	280	CUBA	44 NS	1300.0E		300.0D		13.0			
	245	LEAR	8 S	0128.0	0128.0	U	100.0			QL=4 ST=2 TYP=3	
	2840	PEKG	3 S	0148.0	0151.8	9.0	54.3				
	2804	VORO	1 S	0150.2	0152.7	5.0	45.0				
	2800	HIRA	3 S	0151.0	0152.0	3.0	55.0				0
	2695	LEAR	8 S	0151.0	0151.0	1.0	40.0				QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0151.0	0151.0	1.0	42.0				QL=4 ST=2 TYP=3
	4995	PALE	8 S	0151.0	0152.0	1.0	51.0				QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	0151.0	0151.0	3.0	39.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0212.0	0212.0	1.0	100.0				QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0326.0	0326.0	U	39.0				QL=4 ST=2 TYP=3
	9100	GORK	3 S	0539.0	0539.2	0.6	34.0				
	2840	PEKG	20 GRF	0549.0	0555.1	15.0	9.0				
	204	IZMI	42 SER	0617.4	0619.3	5.9	16.0				
	2840	PEKG	45 C	0936.0	0942.2	22.0	62.2				
	3000	IZMI	46 C	0937.4	0945.2	35.2	40.0	13.0			
	2950	GORK	45 C	0939.0	0945.2		33.0				
	2950	GORK	45 C	0939.0	0942.2	12.0	33.0				
9100	GORK	25 R	0939.0	1048.9	87.0D	21.0					

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m ² Hz)	Mean			
03	4995	SVTO	48 C	0940.0	0945.0	11.0	82.0			QL=4 ST=2 TYP=8	
	2695	SVTO	8 S	0941.0	0942.0	1.0	29.0			QL=4 ST=2 TYP=3	
	9100	GORK	1 S	0941.0	0942.3	2.0	13.0				
	8800	SVTO	8 S	0942.0	0942.0		29.0			QL=4 ST=2 TYP=3	
	2695	LEAR	8 S	0944.0	0944.0	1.0	23.0			QL=2 ST=2 TYP=3	
	4995	LEAR	8 S	0944.0	0944.0	2.0	54.0			QL=2 ST=2 TYP=3	
	9100	GORK	1 S	0944.5	0945.0	2.2	19.0				
	2950	GORK	29 PBI	0951.0	0951.0	36.0	13.0				
	3000	IZMI	45 C	1039.0	1042.9	35.7	30.0	10.0			
	4995	SVTO	8 S	1041.0	1042.0	2.0	28.0				QL=4 ST=2 TYP=3
	2950	GORK	45 C	1041.5	1043.0		24.0				
	900	GORK	4 S/F	1041.5	1043.0	3.2	23.0				
	2950	GORK	45 C	1041.5	1041.8	7.6	14.0				
	1415	SVTO	8 S	1042.0	1042.0	1.0	63.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1042.0	1043.0	1.0	27.0				QL=4 ST=2 TYP=3
	600	GORK	46 C	1042.0	1043.2		16.0				
	600	GORK	46 C	1042.0	1042.5	1.6	80.0				
	127	TORN	48 C	1222.0	1232.7	20.0	160.0	30.0			
	2800	PENT	24 R	1556.0	1629.0	36.0U	7.0				
	6700	CUBA	20 GRF	1647.0	1714.0	36.0D	16.0	8.0			28L
	2800	PENT	45 C	1810.0	1830.0	33.0	227.0				
	4995	PALE	48 C	1821.0	1829.0	15.0	520.0				QL=4 ST=2 TYP=8
	4995	SGMR	49 GB	1821.0	1829.0	16.0	570.0				QL=4 ST=3 TYP=6
	8800	PALE	8 S	1822.0	1823.0	2.0	370.0				QL=4 ST=2 TYP=3
	2695	PALE	48 C	1822.0	1830.0	13.0	300.0				QL=4 ST=2 TYP=8
	15400	PALE	4 S/F	1822.0	1823.0	16.0	230.0				QL=4 ST=2 TYP=3
	410	SGMR	48 C	1822.0	1823.0	14.0	54.0				QL=4 ST=3 TYP=8
	610	SGMR	46 C	1822.0	1823.0	14.0	35.0				QL=4 ST=3 TYP=8
	1415	SGMR	48 C	1822.0	1823.0	14.0	63.0				QL=4 ST=3 TYP=8
	2695	SGMR	48 C	1822.0	1830.0	14.0	170.0				QL=4 ST=3 TYP=8
	8800	SGMR	48 C	1822.0	1823.0	15.0	620.0				QL=4 ST=3 TYP=8
	15400	SGMR	48 C	1822.0	1823.0	15.0	410.0				QL=4 ST=3 TYP=8
	1415	PALE	4 S/F	1823.0	1823.0	15.0	48.0				QL=4 ST=2 TYP=3
245	SGMR	4 S/F	1827.0	1829.0	9.0	86.0				QL=4 ST=3 TYP=3	
245	SGMR	8 S	2201.0	2201.0		97.0				QL=4 ST=2 TYP=3	
04	245	LEAR	43 NS	0225.0	0225.0	426.0	230.0			QL=4 ST=2 TYP=1	
	204	IZMI	43 NS	0600.0		360.0D		15.0			
	127	TORN	44 NS	0630.0E		510.0D		30.0		V=2,DISTURBED	
	235	CUBA	44 NS	1310.0E		410.0D		9.0			
	280	CUBA	44 NS	1310.0E		410.0D		18.0			
	245	LEAR	8 S	0215.0	0216.0	1.0	88.0				QL=4 ST=2 TYP=3
	2840	PEKG	20 GRF	0445.0	0449.1	7.0	7.9				
	245	SVTO	8 S	0555.0	0555.0		370.0				QL=4 ST=3 TYP=3
	245	SVTO	8 S	0636.0	0636.0		59.0				QL=4 ST=2 TYP=3
	900	GORK	2 S/F	0815.0	0815.3	0.9	11.0				
	900	GORK	41 F	0821.7	0821.7	1.1	28.0				
	900	GORK	41 F	0821.7	0821.9		32.0				
	410	SGMR	8 S	1111.0	1111.0	1.0	80.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1302.0	1304.0	2.0	71.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1303.0	1305.0	2.0	90.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1305.0	1305.0		87.0				QL=4 ST=2 TYP=3
	6700	CUBA	3 S	1905.0	1906.2	4.5	197.0	98.0			42L
	6700	CUBA	2 S/F	1917.0	1917.5	2.0	25.0	12.0			59L
	2800	PENT	41 F	2047.0	2052.0	47.0	7.0				
	6700	CUBA	21 GRF	2127.0	2203.0	77.0	37.0	18.0			37L
	2800	PENT	29 PBI	2136.0	2155.0	56.0U	269.0				
	4995	SGMR	4 S/F	2149.0	2155.0	8.0	200.0				QL=2 ST=2 TYP=3
	2800	HIRA	3 S	2154.0	2156.0	6.0	285.0				0
	500	HIRA	3 S	2155.0	2156.0	5.0	65.0				0
	410	PALE	8 S	2155.0	2156.0	1.0	280.0				QL=4 ST=2 TYP=3
	1415	PALE	8 S	2155.0	2156.0	2.0	95.0				QL=4 ST=2 TYP=3
	2695	PALE	8 S	2155.0	2156.0	2.0	320.0				QL=4 ST=2 TYP=3
8800	PALE	8 S	2155.0	2156.0	2.0	150.0				QL=4 ST=2 TYP=3	
245	PALE	4 S/F	2155.0	2155.0	4.0	270.0				QL=4 ST=2 TYP=3	
4995	PALE	4 S/F	2155.0	2156.0	3.0	230.0				QL=4 ST=2 TYP=3	
245	SGMR	8 S	2155.0	2155.0	1.0	220.0				QL=2 ST=2 TYP=3	
410	SGMR	8 S	2155.0	2156.0	1.0	190.0				QL=2 ST=2 TYP=3	
1415	SGMR	8 S	2155.0	2156.0	1.0	54.0				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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
04	2695	SGMR	8 S	2155.0	2156.0	1.0	180.0			QL=2 ST=2 TYP=3
	8800	SGMR	8 S	2155.0	2155.0	1.0	63.0			QL=2 ST=2 TYP=3
	6700	CUBA	3 S	2155.0	2156.1	3.0	166.0	83.0		32L
	610	PALE	8 S	2156.0	2156.0	U	71.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	2156.0	2156.0	U	38.0			QL=2 ST=2 TYP=3
05	204	IZMI	44 NS	0600.0E		30.0D		5.0		
	127	TORN	43 NS	0910.0		290.0		2.0		V=1,DISTURBED
	235	CUBA	44 NS	1305.0E		525.0D		7.0		
	280	CUBA	44 NS	1305.0E		525.0D		15.0		
	15400	LEAR	43 NS	2315.0	0000.0U	45.0				QL=4 ST=1 TYP=1
	2840	PEKG	5 S	0231.0	0233.3	4.0	47.8			
	2800	HIRA	8 S	0233.0	0234.0	1.0	25.0			0
	2804	VORO	2 S/F	0242.7	0243.7	1.4	26.0			
	9100	GORK	2 S/F	0428.6	0430.0	1.4	24.0			
	2840	PEKG	1 S	0538.0	0540.1	5.0	12.1			
	500	HIRA	8 S	0630.0	0630.0	1.0	20.0			0
	9100	GORK	4 S/F	0712.1	0712.3	0.7	50.0			
	900	GORK	41 F	0742.3	0743.4		11.0			
	900	GORK	41 F	0742.3	0742.7	1.5	22.0			
	410	LEAR	8 S	0822.0	0822.0	U	57.0			QL=4 ST=2 TYP=3
	9100	GORK	3 S	0834.0	0834.4	1.3	14.0			
	9100	GORK	1 S	0910.4	0910.5	0.2	7.8			
	127	TORN	48 C	0948.7		2.6	80.0	30.0		
	204	IZMI	42 SER	1004.0	1050.2	47.0	55.0			
	33	UPIC	46 C	1117.0	1120.5	13.0				
	204	IZMI	42 SER	1120.0	1120.2	9.0	95.0			
	204	IZMI	42 SER	1142.0	1142.2	8.0	48.0			
	245	SGMR	48 C	1144.0	1144.0	3.0	59.0			QL=4 ST=2 TYP=8
	245	SVTO	8 S	1144.0	1144.0	U	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1150.0	1150.0	U	65.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	1427.0	1428.0	9.0	350.0			QL=4 ST=2 TYP=3
	1415	SGMR	48 C	1427.0	1428.0	10.0	350.0			QL=4 ST=2 TYP=8
	2695	SGMR	49 GB	1427.0	1428.0	10.0	800.0			QL=4 ST=2 TYP=6
	4995	SGMR	49 GB	1427.0	1428.0	10.0	910.0			QL=4 ST=2 TYP=6
	8800	SGMR	49 GB	1427.0	1428.0	10.0	760.0			QL=4 ST=2 TYP=6
	15400	SGMR	49 GB	1427.0	1428.0	10.0	590.0			QL=4 ST=2 TYP=6
	2695	SVTO	49 GB	1427.0	1428.0	11.0	770.0			QL=4 ST=2 TYP=6
	4995	SVTO	49 GB	1427.0	1428.0	11.0	960.0			QL=4 ST=2 TYP=6
	8800	SVTO	49 GB	1427.0	1428.0	13.0	760.0			QL=4 ST=2 TYP=6
	15400	SVTO	49 GB	1427.0	1428.0	12.0	570.0			QL=4 ST=2 TYP=6
	610	SGMR	46 C	1428.0	1428.0	9.0	38.0			QL=4 ST=2 TYP=8
	245	SGMR	49 GB	1428.0	1428.0	9.0	4300.0			QL=4 ST=2 TYP=6
	410	SGMR	4 S/F	1428.0	1428.0	9.0	160.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1428.0	1428.0	1.0	4000.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	1428.0	1428.0	1.0	380.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1428.0	1428.0	1.0	32.0			QL=4 ST=2 TYP=3
	127	TORN	8 S	1428.0	1428.4	0.9	5800.0D	2900.0D		
410	SVTO	8 S	1613.0	1613.0	1.0	58.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1829.0	1829.0	1.0	140.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1829.0	1829.0	1.0	130.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	1856.0	1906.0	36.0U	69.0				
2695	PALE	8 S	1905.0	1906.0	2.0	70.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	1905.0	1906.0	2.0	120.0			QL=4 ST=2 TYP=3	
8800	PALE	8 S	1905.0	1906.0	2.0	240.0			QL=4 ST=2 TYP=3	
15400	PALE	8 S	1905.0	1906.0	2.0	220.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	1905.0	1906.0	2.0	120.0			QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1905.0	1906.0	2.0	240.0			QL=4 ST=2 TYP=3	
15400	SGMR	8 S	1905.0	1906.0	2.0	190.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1906.0	1906.0	1.0	68.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1950.0	1950.0	U	57.0			QL=4 ST=2 TYP=3	
2800	PENT	1 S	2049.0	2054.0	10.0	5.0				
245	PALE	8 S	2054.0	2054.0	1.0	96.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	2054.0	2054.0	U	58.0			QL=4 ST=2 TYP=3	
2800	PENT	41 F	2140.0	2228.0	52.0U	37.0				
2840	PEKG	3 S	2215.0	2228.5	33.0	57.7				
4995	PALE	4 S/F	2223.0	2228.0	9.0	78.0			QL=4 ST=2 TYP=3	
8800	PALE	4 S/F	2223.0	2226.0	7.0	73.0			QL=4 ST=2 TYP=3	
2800	HIRA	3 S	2223.0	2228.0	11.0	40.0			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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
05	6700	CUBA	2 S/F	2223.4	2226.8	7.6	76.0	38.0		22L
	15400	PALE	4 S/F	2224.0	2226.0	3.0	44.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	2228.0	2228.0	U	24.0			QL=4 ST=2 TYP=3
06	127	TORN	44 NS	0800.0E		420.0D		4.0		V=1
	235	CUBA	44 NS	1330.0E		500.0D		7.0		
	280	CUBA	44 NS	1330.0E		500.0D		16.0		
	245	SGMR	43 NS	2058.0	2139.0	65.0	190.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2141.0	2143.0	171.0	100.0			QL=4 ST=2 TYP=1
	2800	PENT	20 GRF	0041.0	0051.0	18.0	9.0			
	2840	PEKG	3 S	0336.0	0344.8	21.0	144.0			
	500	HIRA	7 C	0339.0	0345.0	6.0	110.0			WR
	2800	HIRA	3 S	0343.0	0344.0	6.0	30.0			0
	610	LEAR	8 S	0343.0	0343.0	2.0	260.0			QL=2 ST=2 TYP=3
	1415	LEAR	8 S	0343.0	0344.0	2.0	140.0			QL=2 ST=2 TYP=3
	610	PALE	8 S	0343.0	0343.0	2.0	280.0			QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	0343.0	0344.0	3.0	140.0			QL=2 ST=2 TYP=3
	2804	VORO	4 S/F	0343.4	0344.6	3.6	92.8			
	245	LEAR	8 S	0344.0	0344.0	1.0	320.0			QL=2 ST=2 TYP=3
	410	LEAR	8 S	0344.0	0344.0	U	150.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	0344.0	0344.0	1.0	130.0			QL=2 ST=2 TYP=3
	4995	LEAR	8 S	0344.0	0344.0	1.0	120.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	0344.0	0344.0	1.0	53.0			QL=2 ST=2 TYP=3
	15400	LEAR	8 S	0344.0	0344.0	1.0	27.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0344.0	0344.0	1.0	390.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0344.0	0344.0	1.0	190.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0344.0	0344.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0344.0	0344.0	2.0	130.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0630.9	0631.0	1.1	10.0			
	204	IZMI	7 C	0651.9	0651.9	0.1	17.0			
	410	SVTO	8 S	0657.0	0657.0	U	54.0			QL=4 ST=2 TYP=3
	2800	HIRA	8 S	0727.0	0728.0	2.0	70.0			WR
	3000	IZMI	45 C	0727.3	0728.8	2.5	69.0	14.0		
	2950	GORK	4 S/F	0727.7	0728.8	2.3	72.0			
	500	HIRA	8 S	0728.0	0728.0	1.0	50.0			0
	610	LEAR	8 S	0728.0	0728.0	U	56.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0728.0	0728.0	1.0	68.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0728.0	0728.0	U	75.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0728.0	0728.0	U	50.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0728.0	0728.0	U	14.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0810.5	0812.3	2.1	21.0			
	127	TORN	6 S	0855.2	0855.8	1.0	20.0	10.0		
	245	SVTO	8 S	1051.0	1051.0	U	310.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1128.0	1128.0	1.0	84.0			QL=4 ST=2 TYP=8
245	SVTO	8 S	1128.0	1128.0	1.0	110.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1319.0	1320.0	3.0	110.0			QL=4 ST=2 TYP=3	
4995	SVTO	8 S	1319.0	1320.0	2.0	110.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1320.0	1320.0	1.0	53.0			QL=4 ST=2 TYP=3	
8800	SGMR	4 S/F	1320.0	1320.0	3.0	70.0			QL=4 ST=2 TYP=3	
2695	SVTO	8 S	1320.0	1320.0	1.0	46.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	1320.0	1320.0	1.0	57.0			QL=4 ST=2 TYP=3	
6700	CUBA	3 S	1320.0	1320.5	2.0	79.0	39.0		11L	
6700	CUBA	2 S/F	1532.5	1533.6	3.7	19.0	9.0		17L	
410	SGMR	8 S	1545.0	1545.0	U	37.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1545.0	1545.0	1.0	78.0			QL=4 ST=2 TYP=3	
2800	PENT	1 S	1755.0	1757.0	5.0	6.0				
245	PALE	8 S	1943.0	1943.0	1.0	110.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1943.0	1943.0	U	81.0			QL=4 ST=2 TYP=3	
245	PALE	4 S/F	2032.0	2034.0	4.0	100.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	2032.0	2032.0	4.0	82.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	2033.0	2033.0	U	34.0			QL=4 ST=2 TYP=3	
2800	PENT	41 F	2050.0	2055.0	11.0	34.0				
500	HIRA	8 S	2053.0	2053.0	1.0	25.0			0	
2800	HIRA	8 S	2055.0	2055.0	1.0	40.0			0	
500	HIRA	8 S	2055.0	2055.0	1.0	225.0			0	
410	PALE	8 S	2055.0	2055.0	U	160.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	2055.0	2055.0	U	79.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	2055.0	2055.0	U	130.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	2055.0	2055.0	U	97.0			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 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density (10 ⁻²² W/m ² Hz)		Int	Remarks
							Peak	Mean		
06	1415	SGMR	8 S	2055.0	2055.0	U	35.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	2055.0	2055.0	U	34.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	2058.0	2101.0	4.0	2800.0			QL=4 ST=2 TYP=6
	245	SGMR	8 S	2058.0	2058.0	1.0	63.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2148.0	2153.0	44.0U	16.0			
	2800	HIRA	1 S	2153.0	2154.0	2.0	20.0			0
	500	HIRA	8 S	2153.0	2154.0	1.0	90.0			0
07	204	IZMI	43 NS	0600.0		360.0D		5.0		
	245	SVTO	43 NS	0911.0	0912.0	75.0	99.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1300.0E		360.0D		8.0		
	280	CUBA	44 NS	1300.0E		360.0D		18.0		
	245	SGMR	43 NS	1605.0	1605.0	15.0	69.0			QL=4 ST=3 TYP=1
	2800	PENT	45 C	0057.0	0112.0	25.0	55.0			
	2804	VORO	40 F	0101.8	0112.5	13.2	46.7			
	2800	HIRA	7 C	0102.0	0113.0	16.0	45.0			0
	4995	LEAR	20 GRF	0103.0	0112.0	13.0	100.0			QL=4 ST=2 TYP=2
	2695	LEAR	8 S	0106.0	0107.0	1.0	34.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0106.0	0106.0	U	37.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0130.0	0131.0	1.0	53.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0131.0	0133.0	1349.0	110.0			QL=4 ST=1 TYP=3
	4995	LEAR	4 S/F	0133.0	0133.0	4.0	99.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0133.0	0133.0	3.0	93.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0133.0	0133.0	3.0	72.0			QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0133.4	0133.7	1.5	15.5			
	245	LEAR	8 S	0341.0	0341.0	U	49.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0430.6	0431.6	1.7	15.0			
	9100	GORK	1 S	0433.3	0433.6	0.8	6.3			
	245	LEAR	8 S	0600.0	0600.0	1.0	200.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0600.0	0600.0	1.0	180.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0600.4	0600.8	3.5	77.0			
	245	LEAR	8 S	0603.0	0603.0	1.0	250.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0603.0	0603.0	U	210.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0620.0	0620.0	1.0	40.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0620.0	0620.0	1.0	73.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0620.0	0620.0	1.0	55.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0620.0	0620.0	1.0	45.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0620.0	0620.0	2.0	92.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0620.0	0620.0	1.0	68.0			QL=4 ST=2 TYP=3
	3000	IZMI	5 S	0620.5	0620.9	1.3	13.0	8.0		
	9100	GORK	3 S	0620.6	0620.9	2.8	6.9			
	245	LEAR	8 S	0705.0	0706.0	2.0	51.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0709.0	0709.0	1.0	57.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	0714.8	0717.2	6.0	255.0			
	127	TORN	47 GB	0715.1	0716.2	2.9	580.0	290.0		
	245	LEAR	8 S	0716.0	0717.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0716.0	0717.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0813.0	0813.0	U	170.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0813.0	0813.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0843.0	0843.0	U	64.0			QL=4 ST=2 TYP=3
245	LEAR	8 S	0854.0	0856.0	2.0	70.0			QL=4 ST=2 TYP=3	
245	SVTO	4 S/F	0900.0	0902.0	3.0	64.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0905.0	0905.0	U	58.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0905.2	0906.6	6.2	40.0				
2950	GORK	21 GRF	0906.7	1014.4	113.3	23.0				
245	LEAR	8 S	0907.0	0909.0	2.0	110.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0909.0	0909.0	1.0	110.0			QL=4 ST=2 TYP=3	
9100	GORK	41 F	0935.0	0939.2		7.9				
9100	GORK	41 F	0935.0	0935.6	5.1	5.9				
9100	GORK	22 GRF	0946.1	1011.0	73.9D	28.0				
9100	GORK	22 GRF	0946.1	1039.6		28.0				
204	IZMI	7 C	1005.4	1005.5	0.4	75.0				
2950	GORK	4 S/F	1009.0	1010.4	3.8	8.3				
3000	IZMI	20 GRF	1009.2	1011.2	2.7	13.0	7.0			
204	IZMI	7 C	1016.6	1016.7	0.2	16.0				
204	IZMI	42 SER	1023.9	1024.1	0.4	155.0				
204	IZMI	42 SER	1104.5	1107.9	6.8	49.0				
204	IZMI	42 SER	1154.9	1155.3	0.7	63.0				
245	SVTO	8 S	1342.0	1343.0	2.0	61.0			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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
07	245	SGMR	8 S	1343.0	1343.0	U	58.0			QL=4 ST=2 TYP=3	
	6700	CUBA	21 GRF	1413.0	1534.0	108.0	20.0	10.0		23L	
	2800	PENT	29 PBI	1521.0	1529.0	30.0	145.0				
	245	SGMR	49 GB	1526.0	1529.0	9.0	1500.0			QL=4 ST=3 TYP=6	
	2695	SGMR	4 S/F	1527.0	1529.0	8.0	160.0			QL=4 ST=2 TYP=3	
	245	SVTO	49 GB	1527.0	1529.0	4.0	1900.0			QL=4 ST=2 TYP=6	
	6700	CUBA	4 S/F	1528.0	1529.0	4.0	144.0	72.0		13L	
	15400	SGMR	8 S	1528.0	1529.0	2.0	130.0			QL=4 ST=3 TYP=3	
	410	SGMR	4 S/F	1528.0	1528.0	6.0	230.0			QL=4 ST=3 TYP=3	
	610	SGMR	4 S/F	1528.0	1530.0	6.0	180.0			QL=4 ST=2 TYP=3	
	1415	SGMR	4 S/F	1528.0	1529.0	6.0	230.0			QL=4 ST=2 TYP=3	
	4995	SGMR	4 S/F	1528.0	1529.0	3.0	170.0			QL=4 ST=2 TYP=3	
	8800	SGMR	4 S/F	1528.0	1529.0	6.0	180.0			QL=4 ST=2 TYP=3	
	410	SVTO	4 S/F	1528.0	1530.0	9.0	330.0			QL=4 ST=2 TYP=3	
	610	SVTO	4 S/F	1528.0	1530.0	5.0	200.0			QL=4 ST=2 TYP=3	
	1415	SVTO	4 S/F	1528.0	1530.0	6.0	220.0			QL=4 ST=2 TYP=3	
	2695	SVTO	4 S/F	1528.0	1529.0	3.0	130.0			QL=4 ST=2 TYP=3	
	4995	SVTO	4 S/F	1528.0	1529.0	3.0	140.0			QL=4 ST=2 TYP=3	
	15400	SVTO	4 S/F	1528.0	1529.0	3.0	160.0			QL=4 ST=2 TYP=3	
	235	CUBA	7 C	1528.4	1528.9	1.4	1486.0	743.0			
	280	CUBA	7 C	1528.4	1528.9	1.4	585.0	293.0			
	8800	SVTO	8 S	1529.0	1529.0	1.0	100.0				QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1540.0	1542.0	3.8	26.0	13.0			20L
	245	SGMR	8 S	1540.0	1541.0	2.0	80.0				QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1540.0	1542.0	3.0	41.0				QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1541.0	1541.0	1.0	40.0				QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1541.0	1541.0	1.0	34.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1541.0	1542.0	1.0	75.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1546.0	1546.0	1.0	59.0				QL=4 ST=2 TYP=3
	2800	PENT	1 S	1554.0	1558.0	8.0	16.0				
	6700	CUBA	1 S	1749.3	1750.4	1.7	12.0	6.0			6L
	6700	CUBA	1 S	1755.7	1756.0	1.0	10.0	5.0			00L
	2800	PENT	41 F	2110.0	2138.0	34.0	28.0				
	245	SGMR	8 S	2137.0	2138.0	1.0	290.0				QL=4 ST=2 TYP=3
	245	PALE	49 GB	2247.0	2248.0	73.0	850.0				QL=4 ST=1 TYP=6
	2804	VORO	2 S/F	2247.5	2248.8	5.6	6.5				
	410	PALE	4 S/F	2248.0	2248.0	72.0	120.0				QL=4 ST=1 TYP=3
	2800	PENT	1 S	2329.0	2331.0	5.0	8.0				
	2804	VORO	3 S	2330.2	2332.0	5.0	9.5				
	08	204	IZMI	44 NS	0600.0E		360.0D		5.0		
127		TORN	43 NS	0716.0		344.0U		4.0		V=2, ATMOSPHERIC	
245		LEAR	43 NS	0729.0	0829.0	149.0	79.0			QL=4 ST=2 TYP=1	
235		CUBA	44 NS	1310.0E		520.0D		7.0			
280		CUBA	44 NS	1310.0E		520.0D		18.0			
9100		GORK	21 GRF	0438.4	0444.6	37.0	27.0				
8800		LEAR	4 S/F	0439.0	0441.0	7.0	58.0				QL=4 ST=2 TYP=3
9100		GORK	4 S/F	0439.5	0441.8	4.8	41.0				
2950		GORK	20 GRF	0439.9	0441.0	16.3	6.7				
4995		LEAR	4 S/F	0440.0	0442.0	5.0	37.0				QL=4 ST=2 TYP=3
15400		LEAR	4 S/F	0440.0	0441.0	3.0	40.0				QL=4 ST=2 TYP=3
9100		GORK	4 S/F	0449.9	0453.8	7.1	20.0				
8800		LEAR	4 S/F	0452.0	0453.0	3.0	37.0				QL=4 ST=2 TYP=3
204		IZMI	42 SER	0617.0	0619.9	3.5	30.0				
9100		GORK	1 S	0626.4	0627.9	3.6	10.0				
245		LEAR	8 S	0631.0	0631.0	U	63.0				QL=4 ST=2 TYP=3
245		LEAR	48 C	0702.0	0704.0	5.0	2300.0				QL=4 ST=2 TYP=8
204		IZMI	46 C	0702.5	0704.0U	5.0	200.0U				
500		HIRA	7 C	0703.0	0707.0	5.0	120.0				WR
245		SVTO	49 GB	0703.0	0704.0	4.0	1600.0				QL=4 ST=2 TYP=6
900		GORK	46 C	0703.0	0704.3	4.6	25.0				
900		GORK	46 C	0703.0	0705.8		6.1				
600		GORK	46 C	0703.2	0707.2		130.0				
2950		GORK	46 C	0703.2	0707.3		32.0				
2950		GORK	46 C	0703.2	0704.4	5.5	8.1				
600		GORK	46 C	0703.2	0704.4	7.3	44.0				
9100	GORK	41 F	0704.2	0707.2		24.0					
9100	GORK	41 F	0704.2	0704.5	3.7	10.0					
410	LEAR	8 S	0706.0	0706.0	1.0	88.0				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 2001

Day	Freq Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density (10 ⁻²² W/m ² Hz)		Int	Remarks
						Peak	Mean		
08	410 SVTO	8 S	0706.0	0707.0	1.0	95.0			QL=4 ST=2 TYP=3
	2800 HIRA	8 S	0707.0	0707.0	1.0	130.0			SL
	4995 LEAR	8 S	0707.0	0707.0	U	29.0			QL=4 ST=2 TYP=3
	8800 LEAR	8 S	0707.0	0707.0	U	30.0			QL=4 ST=2 TYP=3
	2695 SVTO	8 S	0707.0	0707.0	U	40.0			QL=4 ST=2 TYP=3
	4995 SVTO	8 S	0707.0	0707.0	U	42.0			QL=4 ST=2 TYP=3
	8800 SVTO	8 S	0707.0	0707.0	U	32.0			QL=4 ST=2 TYP=3
	15400 SVTO	8 S	0707.0	0707.0	U	24.0			QL=4 ST=2 TYP=3
	245 LEAR	8 S	0710.0	0710.0	U	62.0			QL=4 ST=2 TYP=3
	245 SVTO	8 S	0735.0	0735.0	1.0	64.0			QL=4 ST=2 TYP=3
	2950 GORK	2 S/F	0912.0	0912.4	1.0	9.5			
	600 GORK	42 SER	0943.0	1000.8		12.0			
	600 GORK	42 SER	0943.0	0957.8	18.3	13.0			
	2950 GORK	21 GRF	0948.8	0953.3	27.1	6.8			
	33 UPIC	48 C	1002.0		4.5				
	600 GORK	46 C	1002.3	1003.7	6.3	35.0			
	600 GORK	46 C	1002.3	1004.9		37.0			
	2950 GORK	4 S/F	1002.9	1003.8	3.1	12.0			
	900 GORK	46 C	1003.0	1004.0	3.5	12.0			
	900 GORK	46 C	1003.0	1005.0		15.0			
	204 IZMI	46 C	1003.0	1004.0	4.0	200.0U			
	245 SVTO	8 S	1003.0	1003.0	1.0	49.0			
	410 SVTO	8 S	1003.0	1005.0	2.0	110.0			
	4995 SVTO	8 S	1003.0	1003.0	U	26.0			
	245 SGMR	8 S	1123.0	1123.0	U	50.0			
	245 SVTO	8 S	1123.0	1123.0	U	53.0			
	204 IZMI	42 SER	1123.0	1126.5	6.0	200.0U			
	33 UPIC	46 C	1126.0	1127.0	2.0				
	245 SGMR	8 S	1452.0	1452.0	U	220.0			
	245 SVTO	8 S	1452.0	1452.0	U	230.0			
	245 SGMR	8 S	1457.0	1457.0	U	200.0			
	245 SVTO	8 S	1457.0	1457.0	U	170.0			
	2800 PENT	29 PBI	1520.0	1527.0	59.0	20.0			
	4995 SVTO	48 C	1642.0	1644.0	5.0	290.0			
	6700 CUBA	47 GB	1642.4	1645.2	3.4	463.0	231.0		
	1415 SGMR	4 S/F	1643.0	1645.0	3.0	240.0			
	2695 SGMR	4 S/F	1643.0	1644.0	3.0	130.0			
	4995 SGMR	4 S/F	1643.0	1644.0	3.0	280.0			
	8800 SGMR	4 S/F	1643.0	1644.0	3.0	480.0			
	1415 SVTO	48 C	1643.0	1645.0	8.0	210.0			
	2695 SVTO	48 C	1643.0	1644.0	5.0	120.0			
	15400 SVTO	48 C	1643.0	1644.0	2.0	180.0			
	8800 SVTO	8 S	1643.0	1644.0	2.0	450.0			
	4995 PALE	8 S	1644.0	1644.0	1.0	320.0			
	8800 PALE	8 S	1644.0	1644.0	1.0	280.0			
	1415 PALE	4 S/F	1644.0	1645.0	3.0	190.0			
	2695 PALE	4 S/F	1644.0	1644.0	4.0	100.0			
	15400 SGMR	8 S	1644.0	1644.0	1.0	240.0			
	2800 PENT	1 S	1806.0	1810.0	7.0U	6.0			
	2800 PENT	41 F	1848.0	1902.0	44.0	12.0			
410 PALE	8 S	1852.0	1852.0	1.0	110.0				
245 SGMR	8 S	1852.0	1852.0	U	130.0				
410 SGMR	8 S	1852.0	1852.0	U	64.0				
500 HIRA	8 S	2115.0	2115.0	1.0	20.0				
2800 PENT	29 PBI	2210.0	2215.0	22.0U	6.0				
500 HIRA	8 S	2224.0	2224.0	1.0	60.0				
2800 PENT	41 F	2330.0	2349.0	33.0	46.0				
2804 VORO	3 S	2333.1	2334.0	2.5	11.8				
500 HIRA	47 GB	2347.0	2350.0	9.0	505.0				
410 LEAR	49 GB	2347.0	2349.0	8.0	960.0				
410 PALE	49 GB	2347.0	2350.0	8.0	1200.0				
2804 VORO	4 S/F	2347.5	2349.8	4.5	45.6				
2800 HIRA	3 S	2348.0	2350.0	4.0	45.0				
245 LEAR	4 S/F	2348.0	2349.0	3.0	250.0				
4995 LEAR	4 S/F	2348.0	2349.0	3.0	110.0				
8800 LEAR	4 S/F	2348.0	2349.0	4.0	260.0				
15400 LEAR	4 S/F	2348.0	2349.0	4.0	220.0				
610 PALE	4 S/F	2348.0	2350.0	5.0	180.0				
15400 PALE	4 S/F	2348.0	2349.0	4.0	220.0				

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
08	1415	LEAR	8 S	2349.0	2349.0	1.0	45.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	2349.0	2349.0	1.0	39.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	2349.0	2350.0	4.0	160.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2349.0	2350.0	1.0	270.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2349.0	2350.0	1.0	50.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	2349.0	2349.0	1.0	39.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	2349.0	2349.0	1.0	100.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2349.0	2349.0	2.0	240.0			QL=4 ST=2 TYP=3
09	204	IZMI	44 NS	0600.0E		360.0D		20.0		
	127	TORN	44 NS	0630.0E		510.0D		2.0		V=2
	280	CUBA	44 NS	1300.0E		520.0D		20.0		
	235	CUBA	44 NS	1300.0E		530.0D		9.0		
	245	LEAR	8 S	0218.0	0218.0	1.0	63.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0219.0	0221.0	2.0	25.0			QL=4 ST=2 TYP=3
	8800	LEAR	20 GRF	0223.0	0230.0	8.0	44.0			QL=4 ST=2 TYP=2
	410	LEAR	49 GB	0228.0	0228.0	1.0	1200.0			QL=4 ST=2 TYP=6
	410	PALE	49 GB	0228.0	0229.0	1.0	1400.0			QL=4 ST=2 TYP=6
	4995	LEAR	8 S	0230.0	0230.0		26.0			QL=4 ST=2 TYP=3
	2804	VORO	28 PRE	0230.0	0230.6	1.5	10.3			
	2800	HIRA	3 S	0231.0	0239.0	11.0	65.0			
	2804	VORO	4 S/F	0231.5	0238.7	10.7	57.0			
	8800	LEAR	8 S	0233.0	0234.0	2.0	29.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0234.0	0238.0	7.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0236.0	0238.0	4.0	51.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	0236.0	0239.0	4.0	65.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0236.0	0239.0	5.0	180.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0238.0	0238.0	2.0	36.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0238.0	0239.0	1.0	29.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0238.0	0239.0	1.0	30.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0238.0	0238.0	2.0	140.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	0238.0	0239.0	1.0	50.0			QL=4 ST=2 TYP=3
	600	GORK	41 F	0424.3	0428.3		7.3			
	900	GORK	41 F	0424.3	0424.5	4.1	12.0			
	900	GORK	41 F	0424.3	0427.5		11.0			
	600	GORK	41 F	0424.3	0424.6	4.2	8.8			
	245	LEAR	8 S	0438.0	0439.0	1.0	59.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0459.2	0459.5	0.8	8.3			
	2950	GORK	2 S/F	0601.8	0603.0	3.8	5.1			
	2950	GORK	1 S	0638.9	0639.1	0.4	2.5			
	2800	HIRA	7 C	0649.0	0650.0	7.0	20.0			
	500	HIRA	7 C	0649.0	0650.0	4.0	110.0			
	410	LEAR	48 C	0649.0	0650.0	4.0	1000.0			QL=4 ST=2 TYP=8
	410	SVTO	48 C	0649.0	0650.0	4.0	1300.0			QL=4 ST=2 TYP=8
	245	SVTO	4 S/F	0649.0	0650.0	4.0	240.0			QL=4 ST=2 TYP=3
	900	GORK	46 C	0649.0	0650.3	4.6	56.0			
	600	GORK	40 F	0649.0	0652.8	12.3	25.0			
	900	GORK	46 C	0649.0	0651.9		27.0			
	2950	GORK	46 C	0649.1	0650.4	10.3	25.0			
	2950	GORK	46 C	0649.1	0652.8		25.0			
	3000	IZMI	22 GRF	0649.6	0650.4	4.2	31.0	17.0		
9100	GORK	4 S/F	0649.6	0652.9	8.4	24.0				
204	IZMI	46 C	0649.9	0652.0	2.6	550.0				
4995	LEAR	4 S/F	0650.0	0652.0	3.0	35.0			QL=4 ST=2 TYP=3	
4995	SVTO	4 S/F	0650.0	0652.0	3.0	41.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	0652.0	0652.0	1.0	25.0			QL=4 ST=2 TYP=3	
900	GORK	41 F	0654.0	0654.2	7.0	12.0				
900	GORK	41 F	0654.0	0655.9		6.7				
204	IZMI	42 SER	0656.8	0657.5	2.6	178.0				
900	GORK	4 S/F	0758.5	0802.0	10.5	300.0				
33	UPIC	46 C	0759.5	0802.0	6.5					
600	GORK	4 S/F	0759.6	0803.5	11.4	480.0				
127	TORN	47 GB	0759.8	0802.7	5.3	1300.0	260.0			
500	HIRA	4 S/F	0800.0	0802.0	8.0	450.0				
410	LEAR	49 GB	0800.0	0801.0	7.0	910.0			QL=4 ST=2 TYP=6	
245	LEAR	4 S/F	0800.0	0802.0	5.0	330.0			QL=4 ST=2 TYP=3	
610	LEAR	4 S/F	0800.0	0803.0	4.0	150.0			QL=4 ST=2 TYP=3	
410	SVTO	49 GB	0800.0	0801.0	7.0	990.0			QL=4 ST=2 TYP=6	
245	SVTO	4 S/F	0800.0	0802.0	6.0	310.0			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 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
09	610	SVTO	4 S/F	0800.0	0801.0	5.0	160.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0800.0	0802.0	8.0	230.0			QL=4 ST=2 TYP=3
	3000	IZMI	45 C	0800.4	0802.0	10.5	105.0	23.0		
	2950	GORK	4 S/F	0800.4	0802.2	7.0	93.0			
	204	IZMI	46 C	0800.4	0801.8	5.9	4181.0			
	2800	HIRA	3 S	0801.0	0802.0	5.0	80.0			
	1415	LEAR	8 S	0801.0	0801.0	2.0	49.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0801.0	0802.0	3.0	80.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0801.0	0802.0	5.0	200.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0801.0	0803.0	6.0	450.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0801.0	0803.0	5.0	410.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0801.0	0801.0	2.0	56.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0801.0	0802.0	3.0	74.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0801.0	0803.0	6.0	440.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0801.0	0803.0	6.0	410.0			QL=4 ST=2 TYP=3
	9100	GORK	46 C	0801.0U	0806.1		60.0			
	9100	GORK	46 C	0801.0U	0803.1	20.0D	260.0U			
	2950	GORK	29 PBI		0807.4	16.8	13.0			
	9100	GORK	1 S	0903.4	0904.1	1.4	5.9			
	3000	IZMI	5 S	0926.9	0927.2	0.8	11.0	6.0		
	204	IZMI	7 C	0931.7	0931.7	0.1	53.0			
	9100	GORK	45 C	0955.6	1000.0	6.1	54.0			
	9100	GORK	45 C	0955.6	1000.5		46.0			
	15400	SVTO	4 S/F	0958.0	1000.0	3.0	89.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0959.0	0959.0	U	50.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0959.0	1000.0	2.0	47.0			QL=4 ST=3 TYP=3
	600	GORK	41 F	0959.5	1000.0		12.0			
	600	GORK	41 F	0959.5	0959.7	5.5	15.0			
	900	GORK	40 F	0959.5	1000.8	1.7	10.0			
	9100	GORK	29 PBI	1001.7	1001.7	14.2	14.0			
	9100	GORK	1 S	1027.9	1028.3	1.0	12.0			
	9100	GORK	1 S	1043.2	1043.5	1.1	7.7			
	204	IZMI	42 SER	1130.7	1131.5	1.3	54.0			
	235	CUBA	7 C	1329.9	1331.8	4.7	35.0	17.0		
	280	CUBA	7 C	1329.9	1331.8	4.7	105.0	52.0		
	245	SGMR	8 S	1331.0	1331.0	U	83.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1331.0	1331.0	U	73.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1333.0	1334.0	2.0	36.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1414.0	1414.0	U	96.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1414.0	1414.0	U	71.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1429.0	1430.0	1.0	68.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1430.0	1430.0	U	92.0			QL=4 ST=2 TYP=3
	6700	CUBA	21 GRF	1451.0	1520.0	112.0	25.0	12.0		6R
	245	SGMR	8 S	1455.0	1455.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1455.0	1455.0	1.0	80.0			QL=4 ST=2 TYP=3
15400	SGMR	8 S	1456.0	1456.0	U	36.0			QL=4 ST=2 TYP=3	
2800	PENT	45 C	1506.0	1512.0	18.0	357.0				
245	SGMR	8 S	1508.0	1508.0	U	55.0			QL=4 ST=2 TYP=3	
33	UPIC	46 C	1510.0	1513.0	22.5					
280	CUBA	48 C	1511.0	1513.0	4.5	242.0	121.0			
245	SGMR	48 C	1511.0	1516.0	7.0	870.0			QL=4 ST=2 TYP=8	
1415	SGMR	48 C	1511.0	1512.0	3.0	76.0			QL=4 ST=2 TYP=8	
2695	SGMR	48 C	1511.0	1512.0	8.0	340.0			QL=4 ST=2 TYP=8	
4995	SVTO	48 C	1511.0	1516.0	9.0	420.0			QL=4 ST=2 TYP=8	
245	SVTO	49 GB	1511.0	1516.0	7.0	720.0			QL=4 ST=2 TYP=6	
1415	SVTO	8 S	1511.0	1512.0	2.0	73.0			QL=4 ST=2 TYP=3	
2695	SVTO	4 S/F	1511.0	1512.0	7.0	300.0			QL=4 ST=2 TYP=3	
4995	SGMR	48 C	1511.0	1516.0	10.0	430.0			QL=4 ST=2 TYP=8	
235	CUBA	48 C	1511.1	1515.3	9.1	1232.0	106.0			
6700	CUBA	4 S/F	1511.4	1516.5	16.6	379.0	189.0			
410	SGMR	48 C	1512.0	1516.0	5.0	110.0			7R C.POL	
8800	SGMR	49 GB	1512.0	1516.0	8.0	820.0			QL=4 ST=2 TYP=6	
15400	SGMR	49 GB	1512.0	1516.0	9.0	720.0			QL=4 ST=2 TYP=6	
610	SGMR	4 S/F	1512.0	1515.0	4.0	140.0			QL=4 ST=2 TYP=3	
8800	SVTO	48 C	1512.0	1516.0	9.0	860.0			QL=4 ST=2 TYP=8	
410	SVTO	4 S/F	1512.0	1516.0	5.0	120.0			QL=4 ST=2 TYP=3	
15400	SVTO	49 GB	1512.0	1516.0	16.0	720.0			QL=4 ST=2 TYP=6	
610	SVTO	4 S/F	1513.0	1515.0	3.0	96.0			QL=4 ST=2 TYP=3	
8800	SGMR	48 C	1522.0	1525.0	7.0	120.0			QL=4 ST=2 TYP=8	

S O L A R R A D I O E M I S S I O N
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Sep 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
09	15400	SGMR	48 C	1522.0	1525.0	6.0	120.0			QL=4 ST=2 TYP=8
	4995	SGMR	46 C	1525.0	1525.0	U	40.0			QL=4 ST=2 TYP=8
	245	SGMR	8 S	1543.0	1543.0	U	89.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1543.0	1543.0	U	59.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1543.0	1543.0	U	80.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1543.0	1544.0	1.0	130.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1544.0	1544.0	U	88.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1656.0	1657.0	1.0	100.0			QL=4 ST=2 TYP=3
	6700	CUBA	3 S	1656.0	1657.6	5.0	90.0	45.0		16L
	4995	SGMR	8 S	1657.0	1657.0	U	54.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1657.0	1657.0	U	71.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1718.0	1719.6	4.0	12.0	6.0		00L
	2800	PENT	1 S	1821.0	1824.0	7.0	7.0			
	2800	PENT	29 PBI	1832.0	1840.0	60.0	60.0			
	8800	SGMR	8 S	1839.0	1840.0	2.0	100.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1839.0	1840.0	1.0	57.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1839.0	1840.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1840.0	1840.0	U	36.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2037.0	2044.0	115.0U	454.0			
	2800	HIRA	8 S	2043.0	2045.0	3.0	100.0			WR
	2695	PALE	49 GB	2043.0	2044.0	3.0	510.0			QL=4 ST=2 TYP=6
	15400	PALE	49 GB	2043.0	2044.0	2.0	1600.0			QL=4 ST=2 TYP=6
	4995	PALE	8 S	2043.0	2044.0	2.0	440.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2043.0	2044.0	2.0	490.0			QL=4 ST=2 TYP=3
	1415	SGMR	49 GB	2043.0	2044.0	2.0	68.0			QL=4 ST=2 TYP=6
	4995	SGMR	49 GB	2043.0	2044.0	3.0	640.0			QL=4 ST=2 TYP=6
	8800	SGMR	49 GB	2043.0	2044.0	3.0	1000.0			QL=4 ST=2 TYP=6
	15400	SGMR	49 GB	2043.0	2044.0	5.0	2000.0			QL=4 ST=2 TYP=6
	2695	SGMR	4 S/F	2043.0	2043.0	3.0	460.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2044.0	2045.0	1.0	48.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	2206.0	2206.0	1.0	10.0			0
500	HIRA	8 S	2231.0	2231.0	1.0	20.0			WR	
410	LEAR	8 S	2259.0	2259.0	U	86.0			QL=4 ST=2 TYP=3	
10	235	CUBA	44 NS	1300.0E		510.0D		8.0		
	280	CUBA	44 NS	1300.0E		510.0D		16.0		
	8800	LEAR	8 S	0313.0	0313.0	1.0	27.0			QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0313.2	0314.0	2.7	17.0			
	9100	GORK	1 S	0445.7	0446.5	0.7	6.0			
	2950	GORK	1 S	0504.5	0504.8	0.9	5.2			
	9100	GORK	4 S/F	0506.5	0507.4	1.8	58.0			
	600	GORK	2 S/F	0509.5	0510.3	2.5	16.0			
	2800	HIRA	7 C	0513.0	0514.0	4.0	115.0			0
	1415	LEAR	8 S	0513.0	0513.0	1.0	33.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0513.0	0513.0	4.0	120.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0513.0	0513.0	4.0	250.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0513.0	0515.0	3.0	150.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0513.0	0514.0	1.0	29.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0513.0	0513.0	3.0	110.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0513.0	0513.0	3.0	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0513.0	0515.0	3.0	170.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0513.0	0515.0	8.0	320.0			QL=2 ST=2 TYP=3
	2950	GORK	46 C	0513.0	0513.7	5.2	120.0			
	2950	GORK	46 C	0513.0	0515.7		65.0			
	900	GORK	4 S/F	0513.0	0515.7	2.7	57.0			
	9100	GORK	46 C	0513.2	0515.5		140.0			
	9100	GORK	46 C	0513.2	0513.6	5.0	109.0			
	600	GORK	2 S/F	0513.6	0514.6	2.0	8.0			
	15400	LEAR	8 S	0515.0	0515.0	1.0	68.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0528.2	0528.7	0.9	14.0			
	410	SVTO	8 S	0533.0	0533.0	U	100.0			QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0541.0	0542.0	3.0	55.0			0
	2695	LEAR	8 S	0541.0	0542.0	2.0	61.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0541.0	0542.0	1.0	53.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0541.0	0541.0	1.0	26.0			QL=4 ST=2 TYP=3
2695	SVTO	8 S	0541.0	0542.0	2.0	46.0			QL=4 ST=2 TYP=3	
4995	SVTO	8 S	0541.0	0542.0	2.0	56.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	0541.0	0541.0	1.0	46.0			QL=4 ST=2 TYP=3	
500	HIRA	8 S	0546.0	0546.0	1.0	15.0			0	

S O L A R R A D I O E M I S S I O N
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SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
10	2950	GORK	2 S/F	0600.0	0600.8	1.5	6.6			
	3000	IZMI	5 S	0600.4	0600.8	0.9	11.0	5.0		
	9100	GORK	1 S	0600.5	0601.0	1.0	6.0			
	410	LEAR	8 S	0701.0	0702.0	1.0	99.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0701.0	0702.0	1.0	64.0			QL=4 ST=2 TYP=3
	9100	GORK	21 GRF	0817.6	0824.5	65.6	27.0			
	9100	GORK	46 C	0819.7	0821.7	4.4	35.0			
	2950	GORK	1 S	0819.8	0821.7	2.8	9.3			
	8800	LEAR	4 S/F	0820.0	0821.0	5.0	54.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	0820.9	0821.7	5.0	11.0	4.0		
	204	IZMI	7 C	0829.1	0829.2	0.3	18.0			
	204	IZMI	7 C	0835.6	0835.7	0.1	24.0			
	9100	GORK	3 S	0842.7	0843.0	0.6	33.0			
	245	SVTO	8 S	0857.0	0857.0		56.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	0942.6	0942.7	0.3	63.0			
	204	IZMI	7 C	1042.6	1042.6	0.1	20.0			
	245	SGMR	8 S	1116.0	1116.0		100.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1130.0	1130.0		83.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1130.0	1130.0		160.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	1157.6	1157.6	0.1	11.0	4.0		
	6700	CUBA	21 GRF	1413.0	1536.0	162.0	37.0	18.0		15L
	2800	PENT	20 GRF	1445.0	1521.0	100.0	23.0			
	6700	CUBA	1 S	1522.0	1522.5	2.0	8.0	4.0		8R
	245	SGMR	8 S	1552.0	1552.0		84.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1552.0	1552.0		89.0			QL=4 ST=2 TYP=3
	2800	PENT	41 F	2143.0	2147.0	45.0	14.0			
	500	HIRA	8 S	2245.0	2245.0	1.0	45.0			0
	410	LEAR	8 S	2245.0	2245.0		160.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2245.0	2245.0	2.0	250.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	2346.0	2347.0	2.0	57.0			QL=4 ST=2 TYP=3
15400	LEAR	8 S	2346.0	2347.0	2.0	45.0			QL=4 ST=2 TYP=3	
8800	PALE	8 S	2347.0	2347.0	1.0	41.0			QL=4 ST=2 TYP=3	
11	235	CUBA	44 NS	1300.0E		420.0D		8.0		
	280	CUBA	44 NS	1300.0E		420.0D		17.0		
	245	PALE	43 NS	2315.0	2320.0	118.0	150.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2316.0	0022.0	184.0	84.0			QL=4 ST=2 TYP=1
	2800	PENT	40 F	0001.0	0104.0	63.0U	88.0			
	245	LEAR	8 S	0023.0	0023.0		56.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0030.0	0031.0	5.0	190.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0031.0	0031.0		38.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0031.0	0031.0	4.0	180.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0031.0	0031.0	7.0	59.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0031.0	0031.0	5.0	200.0			QL=4 ST=2 TYP=3
	15400	PALE	4 S/F	0031.0	0031.0	7.0	170.0			QL=4 ST=2 TYP=3
	2804	VORO	22 GRF	0040.0	0110.6	120.0	21.5			
	2804	VORO	46 C	0051.8	0053.0	6.2	31.2			
	2800	HIRA	1 S	0052.0	0053.0	3.0	35.0			0
	2695	PALE	8 S	0052.0	0053.0	1.0	32.0			QL=4 ST=2 TYP=3
	2695	LEAR	48 C	0052.0	0104.0	28.0	86.0			QL=4 ST=2 TYP=8
	8800	LEAR	48 C	0052.0	0100.0	28.0	110.0			QL=4 ST=2 TYP=8
	4995	LEAR	4 S/F	0052.0	0053.0	28.0	61.0			QL=4 ST=2 TYP=3
	4995	PALE	20 GRF	0052.0	0104.0	34.0	77.0			QL=4 ST=2 TYP=2
	8800	PALE	20 GRF	0052.0	0100.0	34.0	120.0			QL=4 ST=2 TYP=2
	15400	LEAR	20 GRF	0057.0	0106.0	23.0	32.0			QL=4 ST=2 TYP=2
	2804	VORO	1 S	0103.7	0104.4	3.8	45.4			
	2800	HIRA	3 S	0104.0	0104.0	6.0	85.0			0
	1415	PALE	8 S	0104.0	0104.0	1.0	41.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0104.0	0104.0	16.0	44.0			QL=4 ST=2 TYP=3
	2804	VORO	3 S	0154.4	0157.3	6.0	7.9			
	245	LEAR	8 S	0514.0	0514.0	2.0	85.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0514.0	0514.0		65.0			QL=4 ST=3 TYP=3
	2840	PEKG	5 S	0933.0	0936.1	7.0	22.1			
204	IZMI	7 C	0933.6	0933.7	0.2	15.0				
900	GORK	41 F	0933.7	0936.0		17.0				
900	GORK	41 F	0933.7	0935.7	6.9	9.0				
33	UPIC	48 C	0934.0	0937.0	5.5					
9100	GORK	1 S	0935.8	0936.0	0.7	40.0				
600	GORK	3 S	0935.8	0936.0	4.9	9.0				

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
11	204	IZMI	41 F	0935.8	0935.9	0.4	41.0			
	245	SVTO	4 S/F	0943.0	0945.0	3.0	450.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0956.0	0956.0	U	350.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	1027.5	1028.3	1.6	10.0			
	245	SGMR	8 S	1231.0	1232.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1231.0	1232.0	1.0	120.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	1231.5	1232.0	4.0				
	6700	CUBA	1 S	1316.8	1316.9	0.7	16.0	8.0		4L
	6700	CUBA	2 S/F	1335.0	1335.8	3.3	7.0	3.0		10R
	2800	PENT	29 PBI	1504.0	1511.0	42.0	15.0			
	245	PALE	49 GB	1726.0	1729.0	3.0	1500.0			QL=4 ST=2 TYP=6
	410	PALE	4 S/F	1726.0	1729.0	3.0	380.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1727.0	1728.0	2.0	1300.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1728.0	1728.0	1.0	250.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1728.0	1729.2	3.0	6.0	3.0		35R
	2800	PENT	1 S	1900.0	1903.0	7.0	5.0			
	245	PALE	49 GB	1903.0	1903.0	1.0	620.0			QL=4 ST=2 TYP=6
	245	SGMR	8 S	1903.0	1903.0	U	430.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1903.0	1903.0	U	520.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1950.0	1951.0	3.0	52.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2031.0	2034.0	34.0	34.0			
	410	PALE	49 GB	2034.0	2034.0	1.0	4800.0			QL=4 ST=2 TYP=6
	245	PALE	8 S	2034.0	2034.0	1.0	390.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	2034.0	2034.0	U	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2034.0	2034.0	U	260.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	2034.0	2034.0	U	4400.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	2034.0	2034.0	U	95.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	2034.0	2034.0	U	26.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	2034.0	2034.0	1.0	38.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	2234.0	2234.0	1.0	40.0			0
2804	VORO	21 GRF	2300.0	2319.6	100.0	8.1				
2804	VORO	1 S	2302.2	2302.8	1.2	5.2				
12	235	CUBA	44 NS	1300.0E		480.0D		7.0		
	280	CUBA	44 NS	1340.0E		440.0D		13.0		
	2804	VORO	3 S	0051.0	0052.4	3.2	5.2			
	2840	PEKG	5 S	0140.0	0143.4	7.0	12.5			
	410	LEAR	8 S	0143.0	0143.0	2.0	84.0			QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0143.3	0143.7	1.4	11.1			
	9100	GORK	46 C	0436.3	0442.7		51.0			
	9100	GORK	46 C	0436.3	0441.9	16.2	55.0			
	2950	GORK	20 GRF	0440.0	0447.7	11.0	9.4			
	8800	LEAR	8 S	0442.0	0443.0	2.0	59.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0644.0	0647.0	5.0	12.3			
	900	GORK	2 S/F	0646.3	0646.6	3.7	6.1			
	3000	IZMI	7 C	0646.5	0647.0	0.9	20.0	10.0		
	600	GORK	2 S/F	0649.0	0649.2	1.0	8.8			
	2840	PEKG	5 S	0657.0	0700.8	6.0	11.1			
	900	GORK	40 F	0819.2	0819.9	1.2	9.8			
	204	IZMI	42 SER	0948.4	0948.5	0.3	12.0			
	204	IZMI	42 SER	0949.4	0950.3	1.0	25.0			
	900	GORK	41 F	1000.5	1018.5		13.0			
	900	GORK	41 F	1000.5	1000.6	21.3	7.4			
	6700	CUBA	1 S	1316.2	1316.8	1.8	11.0	5.0		27R
	235	CUBA	7 C	1340.0		1.8	32.0	16.0		
	280	CUBA	7 C	1340.0	1341.2	1.8	58.0	29.0		
	245	SGMR	49 GB	1341.0	1341.0	U	690.0			QL=4 ST=2 TYP=6
	245	SVTO	49 GB	1341.0	1341.0	U	560.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	1341.0	1341.0	U	63.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1344.0	1344.0	U	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1347.0	1347.0	U	82.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1347.0	1348.0	1.0	73.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1541.4	1541.9	0.7	14.0	7.0		5L
2800	PENT	41 F	2056.0	2139.0	90.0	19.0				
500	HIRA	7 C	2136.0	2140.0	9.0	185.0			0	
245	SGMR	48 C	2136.0	2139.0	5.0	270.0			QL=4 ST=2 TYP=8	
410	SGMR	48 C	2136.0	2139.0	4.0	340.0			QL=4 ST=2 TYP=8	
610	SGMR	48 C	2137.0	2137.0	3.0	120.0			QL=4 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 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
13	235	CUBA	44 NS	1300.0E		530.00		7.0		
	280	CUBA	44 NS	1300.0E		530.00		13.0		
	245	LEAR	8 S	0046.0	0047.0	1.0	320.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0526.8	0527.0	0.4	12.0			
	9100	GORK	2 S/F	0550.6	0551.4	8.4	16.0			
	204	IZMI	42 SER	0601.6	0602.6	1.4	21.0			
	600	GORK	41 F	0605.1	0708.5		19.0			
	600	GORK	41 F	0605.1	0607.6	5.0	13.0			
	900	GORK	46 C	0608.0	0608.2	0.7	29.0			
	900	GORK	46 C	0608.0	0608.5		25.0			
	9100	GORK	2 S/F	0615.1	0615.7	1.1	12.0			
	2840	PEKG	5 S	0706.0	0709.9	9.0	21.4			
	600	GORK	41 F	0708.6	0709.1	2.7	32.0			
	600	GORK	41 F	0708.6	0709.5		36.0			
	245	LEAR	8 S	0709.0	0710.0	1.0	360.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0709.0	0709.0	1.0	23.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0709.0	0709.0	1.0	57.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0709.0	0709.0	1.0	48.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0709.0	0709.0	1.0	43.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0709.0	0709.0	U	35.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0709.0	0709.0	1.0	63.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0709.0	0709.0	1.0	43.0			QL=4 ST=2 TYP=3
	2950	GORK	3 S	0709.3	0709.9	1.3	21.0			
	900	GORK	46 C	0709.4	0710.1		520.0			
	3000	IZMI	5 S	0709.4	0709.5	1.1	28.0	14.0		
	9100	GORK	3 S	0709.4	0709.9	1.2	38.0			
	900	GORK	46 C	0709.4	0709.9	1.3	400.0			
	204	IZMI	41 F	0709.9	0710.1	0.5	57.0			
	245	SVTO	8 S	0710.0	0710.0	U	290.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0710.0	0710.0	U	69.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0710.0	0710.0	U	21.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0723.0	0723.0	U	83.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	0749.0	0749.2	0.5	251.0			
	9100	GORK	1 S	0749.1	0749.2	0.4	8.0			
	9100	GORK	1 S	0825.0	0826.9	3.4	8.0			
	245	SVTO	49 GB	0838.0	0840.0	2.0	1600.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0839.0	0839.0	1.0	1900.0			QL=4 ST=2 TYP=6
	610	LEAR	8 S	0839.0	0839.0	1.0	450.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	0839.0	0839.0	1.0	440.0			QL=4 ST=2 TYP=3
	600	GORK	46 C	0839.2	0840.0		240.00			
	600	GORK	46 C	0839.2	0839.7	1.5	240.00			
	204	IZMI	46 C	0839.3	0840.0	1.3	1345.0			
	900	GORK	2 S/F	0839.3	0839.9	1.1	10.0			
	204	IZMI	42 SER	0841.2	0844.4	4.6	181.0			
	245	LEAR	8 S	0844.0	0844.0	U	91.0			QL=4 ST=2 TYP=3
245	SVTO	8 S	0844.0	0844.0	U	79.0			QL=4 ST=2 TYP=3	
204	IZMI	7 C	0848.4	0848.4	0.2	34.0				
900	GORK	4 S/F	1013.6	1015.4	5.2	11.0				
245	SVTO	8 S	1106.0	1106.0	U	57.0			QL=4 ST=2 TYP=3	
245	SGMR	48 C	1302.0	1303.0	4.0	730.0			QL=4 ST=2 TYP=8	
245	SVTO	49 GB	1302.0	1303.0	4.0	630.0			QL=4 ST=2 TYP=6	
410	SGMR	8 S	1303.0	1303.0	2.0	280.0			QL=4 ST=2 TYP=3	
410	SVTO	4 S/F	1303.0	1303.0	3.0	230.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1305.0	1305.0	U	76.0			QL=4 ST=2 TYP=3	
610	SVTO	8 S	1305.0	1305.0	U	49.0			QL=4 ST=2 TYP=3	
235	CUBA	7 C	1310.8	1311.7	1.3	59.0	30.0			
280	CUBA	7 C	1310.9	1311.3	1.3	156.0	78.0			
245	SGMR	8 S	1311.0	1311.0	U	110.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1311.0	1311.0	1.0	120.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1319.0	1319.0	U	69.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1319.0	1319.0	U	66.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1457.0	1458.0	1.0	2600.0			QL=4 ST=2 TYP=6	
610	SGMR	8 S	1457.0	1457.0	1.0	75.0			QL=4 ST=2 TYP=3	
245	SVTO	49 GB	1457.0	1458.0	1.0	2900.0			QL=4 ST=2 TYP=6	
610	SVTO	8 S	1457.0	1458.0	1.0	100.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	1544.0	1600.0	42.0	50.0				
245	SGMR	8 S	1600.0	1600.0	1.0	490.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1600.0	1600.0	1.0	150.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1600.0	1600.0	1.0	84.0			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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
13	1415	SGMR	8 S	1600.0	1601.0	1.0	89.0			QL=4 ST=2 TYP=3	
	2695	SGMR	8 S	1600.0	1600.0	1.0	56.0			QL=4 ST=2 TYP=3	
	4995	SGMR	8 S	1600.0	1600.0	1.0	66.0			QL=4 ST=2 TYP=3	
	8800	SGMR	8 S	1600.0	1600.0	1.0	82.0			QL=4 ST=2 TYP=3	
	15400	SGMR	8 S	1600.0	1600.0	1.0	40.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	1600.0	1600.0	1.0	430.0			QL=4 ST=2 TYP=3	
	410	SVTO	8 S	1600.0	1600.0	1.0	280.0			QL=4 ST=2 TYP=3	
	610	SVTO	8 S	1600.0	1600.0	2.0	120.0			QL=4 ST=2 TYP=3	
	1415	SVTO	8 S	1600.0	1601.0	1.0	88.0			QL=4 ST=2 TYP=3	
	2695	SVTO	8 S	1600.0	1600.0	1.0	46.0			QL=4 ST=2 TYP=3	
	4995	SVTO	8 S	1600.0	1600.0	1.0	45.0			QL=4 ST=2 TYP=3	
	8800	SVTO	4 S/F	1600.0	1600.0	3.0	57.0			QL=4 ST=2 TYP=3	
	235	CUBA	48 C	1600.6	1601.2	0.9	564.0	282.0			
	280	CUBA	48 C	1600.6	1601.2	0.9	379.0	189.0			
	245	SGMR	8 S	1606.0	1607.0	1.0	290.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1606.0	1607.0	1.0	240.0				QL=4 ST=2 TYP=3
	410	SGMR	8 S	1607.0	1607.0	U	69.0				QL=4 ST=2 TYP=3
	2800	PENT	24 R	1854.0	1907.0	38.0U	4.0				
	410	SGMR	8 S	1949.0	1950.0	1.0	630.0				QL=4 ST=2 TYP=3
	410	PALE	49 GB	1950.0	1950.0	1.0	700.0				QL=4 ST=1 TYP=6
	245	PALE	8 S	1950.0	1951.0	1.0	160.0				QL=4 ST=2 TYP=3
	1415	PALE	8 S	1950.0	1951.0	1.0	45.0				QL=4 ST=2 TYP=3
	2695	PALE	8 S	1950.0	1951.0	1.0	53.0				QL=4 ST=2 TYP=3
	15400	PALE	8 S	1950.0	1951.0	1.0	78.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1950.0	1950.0	1.0	110.0				QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1950.0	1951.0	1.0	66.0				QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1950.0	1950.0	1.0	71.0				QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1950.0	1950.0	1.0	81.0				QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1950.0	1950.0	1.0	110.0				QL=4 ST=2 TYP=3
	2840	PEKG	1 S	2304.0	2308.6	7.0	6.8				
	14	204	IZMI	43 NS	0910.0		170.0D		15.0		
		280	CUBA	44 NS	1310.0E		520.0D		19.0		
		235	CUBA	44 NS	1320.0E		510.0D		13.0		
245		SGMR	43 NS	1819.0	2103.0	213.0	460.0			QL=4 ST=2 TYP=1	
245		PALE	43 NS	1957.0	1957.0	243.0	99.0			QL=4 ST=1 TYP=1	
245		LEAR	43 NS	2238.0	0005.0	351.0	180.0			QL=4 ST=2 TYP=1	
9100		GORK	4 S/F	0501.3	0502.4	2.7	28.0				
2840		PEKG	45 C	0547.0	0554.7	21.0	109.4				
2950		GORK	46 C	0550.3	0553.4	8.5	65.0				
2950		GORK	46 C	0550.3	0554.6		110.0				
600		GORK	4 S/F	0551.9	0554.8	5.1	23.0				
2800		HIRA	4 S/F	0552.0	0555.0	7.0	80.0				0
245		LEAR	8 S	0552.0	0552.0	1.0	110.0				QL=4 ST=2 TYP=3
8800		LEAR	8 S	0552.0	0552.0	2.0	33.0				QL=4 ST=2 TYP=3
2695		LEAR	4 S/F	0552.0	0554.0	4.0	69.0				QL=4 ST=2 TYP=3
4995		LEAR	4 S/F	0552.0	0552.0	3.0	49.0				QL=4 ST=2 TYP=3
245		SVTO	8 S	0552.0	0552.0	1.0	76.0				QL=4 ST=2 TYP=3
2695		SVTO	4 S/F	0552.0	0554.0	4.0	71.0				QL=4 ST=2 TYP=3
4995		SVTO	4 S/F	0552.0	0552.0	8.0	73.0				QL=4 ST=2 TYP=3
8800		SVTO	4 S/F	0552.0	0552.0	7.0	49.0				QL=4 ST=2 TYP=3
9100		GORK	21 GRF	0552.0	0607.0	62.0	14.0				
9100		GORK	46 C	0552.0	0553.5		24.0				
9100		GORK	46 C	0552.0	0552.6	3.7	24.0				
900		GORK	4 S/F	0552.2	0554.4	6.3	19.0				
15400		SVTO	8 S	0553.0	0554.0	1.0	27.0				QL=4 ST=2 TYP=3
3000		IZMI	45 C	0553.9	0554.6	1.1	70.0	23.0			
1415		LEAR	8 S	0554.0	0554.0	U	28.0				QL=4 ST=2 TYP=3
1415		SVTO	8 S	0554.0	0554.0	U	33.0				QL=4 ST=2 TYP=3
2950		GORK	30 PBI	0558.8	0558.8	27.9	14.0				
600		GORK	46 C	0605.7	0613.0	21.7	30.0				
600	GORK	46 C	0605.7	0618.4		30.0					
900	GORK	46 C	0605.8	0618.2	24.5	58.0					
900	GORK	46 C	0605.8	0620.8		55.0					
2950	GORK	41 F	0606.2	0613.1		3.9					
2950	GORK	41 F	0606.2	0615.3		3.9					
2950	GORK	41 F	0606.2	0606.9	9.8	7.8					
900	GORK	46 C	0637.3	0705.1		85.0					
900	GORK	46 C	0637.3	0656.7	40.3	52.0					

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

SEPTEMBER 2001

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	900 GORK	21 GRF	0733.0	0828.2	156.0	13.0			
	600 GORK	21 GRF	0826.4	0857.0	31.6	13.0			
	900 GORK	41 F	0851.2	0857.0	12.2	16.0			
	900 GORK	41 F	0851.2	0858.3		16.0			
	2950 GORK	3 S	0900.6	0903.4	3.7	18.0			
	2840 PEKG	45 C	0902.0	0906.6	9.0	28.6			
	600 GORK	46 C	0902.7	0903.3		160.0			
	600 GORK	46 C	0902.7	0902.9	0.9	70.0			
	2950 GORK	46 C	0906.0	0907.6		11.0			
	2950 GORK	46 C	0906.0	0906.7	2.8	21.0			
	3000 IZMI	5 S	0906.1	0906.6	1.0	24.0	13.0		
	410 LEAR	8 S	0931.0	0931.0	1.0	170.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	0931.0	0931.0	1.0	240.0			QL=4 ST=2 TYP=3
	2950 GORK	1 S	0932.2U	0932.4U	1.1D	5.5U			
	33 UPIC	46 C	1002.0	1002.5	2.0				
	900 GORK	41 F	1048.0	1051.8	12.0	12.0			
	900 GORK	41 F	1048.0	1052.9		10.0			
	600 GORK	46 C	1058.8	1059.0	1.0	22.0			
	600 GORK	46 C	1058.8	1059.2		16.0			
	245 SGMR	8 S	1128.0	1128.0	U	52.0			QL=4 ST=2 TYP=3
	610 SGMR	8 S	1144.0	1144.0	1.0	170.0			QL=4 ST=2 TYP=3
	610 SVTO	8 S	1144.0	1144.0	1.0	120.0			QL=4 ST=2 TYP=3
	245 SGMR	8 S	1145.0	1145.0	U	36.0			QL=4 ST=2 TYP=3
	410 SGMR	8 S	1148.0	1148.0	U	250.0			QL=4 ST=2 TYP=3
	610 SGMR	8 S	1148.0	1148.0	U	33.0			QL=4 ST=2 TYP=3
	410 SVTO	8 S	1148.0	1148.0	U	110.0			QL=4 ST=2 TYP=3
	245 SGMR	8 S	1152.0	1152.0	U	58.0			QL=4 ST=2 TYP=3
	245 SGMR	48 C	1227.0	1227.0	3.0	52.0			QL=4 ST=2 TYP=8
	245 SGMR	8 S	1533.0	1533.0	U	68.0			QL=4 ST=2 TYP=3
	245 SVTO	8 S	1533.0	1533.0	U	62.0			QL=4 ST=2 TYP=3
	2800 PENT	24 R	1535.0	1611.0	57.0U	6.0			
	245 SGMR	48 C	1725.0	1729.0	4.0	93.0			QL=4 ST=2 TYP=8
	2800 PENT	29 PBI	1837.0	1842.0	55.0U	65.0			
	245 SGMR	4 S/F	1840.0	1840.0	4.0	48.0			QL=4 ST=2 TYP=3
	4995 SGMR	8 S	1841.0	1842.0	2.0	220.0			QL=4 ST=2 TYP=3
	8800 SGMR	8 S	1841.0	1842.0	2.0	250.0			QL=4 ST=2 TYP=3
	4995 PALE	8 S	1842.0	1842.0	1.0	160.0			QL=4 ST=2 TYP=3
	8800 PALE	8 S	1842.0	1842.0	2.0	87.0			QL=4 ST=2 TYP=3
	2695 SGMR	8 S	1842.0	1842.0	U	49.0			QL=4 ST=2 TYP=3
	15400 SGMR	8 S	1842.0	1842.0	U	58.0			QL=4 ST=2 TYP=3
	2800 PENT	47 GB	2137.0	2145.0	53.0	720.0			
	245 SGMR	49 GB	2143.0	2145.0	6.0	640.0			QL=4 ST=3 TYP=6
2800 HIRA	47 GB	2143.0	2146.0	13.0	1530.0			WR	
500 HIRA	4 S/F	2143.0	2147.0	12.0	35.0			0	
410 SGMR	48 C	2144.0	2145.0	3.0	74.0			QL=4 ST=3 TYP=8	
1415 SGMR	48 C	2144.0	2145.0	5.0	110.0			QL=4 ST=3 TYP=8	
4995 SGMR	48 C	2144.0	2145.0	5.0	750.0			QL=4 ST=3 TYP=8	
8800 SGMR	48 C	2144.0	2145.0	5.0	520.0			QL=4 ST=3 TYP=8	
2695 SGMR	49 GB	2144.0	2145.0	5.0	920.0			QL=4 ST=3 TYP=6	
15400 SGMR	48 C	2145.0	2145.0	3.0	240.0			QL=4 ST=3 TYP=8	
2804 VORO	46 C	2257.2	2259.1	5.6	12.9				
15	204 IZMI	44 NS	0600.0E		330.0D		85.0		
	127 TORN	43 NS	0746.0		434.0		35.0	V=2	
	235 CUBA	44 NS	1300.0E		530.0D		9.0		
	280 CUBA	44 NS	1300.0E		530.0D		13.0		
	245 PALE	43 NS	1635.0	1914.0	490.0	190.0			QL=4 ST=2 TYP=1
	245 SGMR	43 NS	1846.0	1913.0	61.0	140.0			QL=4 ST=2 TYP=1
	2800 PENT	20 GRF	0006.0	0013.0	13.0	12.0			
	2840 PEKG	45 C	0007.0	0011.1	8.0	19.5			
	2804 VORO	40 F	0009.4	0011.2	6.3	12.2			
	8800 LEAR	8 S	0052.0	0053.0	2.0	55.0			QL=4 ST=2 TYP=3
	2840 PEKG	20 GRF	0101.0	0105.5	8.0	7.3			
	245 SVTO	8 S	0755.0	0755.0	U	87.0			QL=4 ST=2 TYP=3
	245 LEAR	8 S	0800.0	0801.0	2.0	90.0			QL=4 ST=2 TYP=3
	245 SVTO	48 C	0800.0	0804.0	4.0	74.0			QL=4 ST=2 TYP=8
	245 SVTO	8 S	0804.0	0804.0	U	61.0			QL=4 ST=2 TYP=3
245 LEAR	8 S	0805.0	0807.0	2.0	57.0			QL=4 ST=2 TYP=3	
900 GORK	42 SER	0953.0	0953.1	48.7	120.0				

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

45
Sep 01

SEPTEMBER 2001

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	900	GORK	42	SER	0953.0	1024.7	48.7	27.0		
	2950	GORK	20	GRF	1026.5	1032.3	18.7	8.3		
	8800	SGMR	4	S/F	1106.0	1108.0	13.0	230.0		QL=2 ST=2 TYP=3
	8800	SGMR	4	S/F	1106.0	1108.0	13.0	230.0		QL=4 ST=2 TYP=3
	3000	IZMI	46	C	1106.6	1108.9	47.5	179.0	36.5	
	15400	SGMR	48	C	1107.0	1108.0	2.0	100.0		QL=4 ST=2 TYP=8
	15400	SGMR	8	S	1107.0	1108.0	2.0	100.0		QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1107.0	1109.0	4.0	130.0		QL=2 ST=2 TYP=3
	2695	SGMR	4	S/F	1107.0	1109.0	4.0	130.0		QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1107.0	1108.0	4.0	270.0		QL=2 ST=2 TYP=3
	4995	SGMR	4	S/F	1107.0	1108.0	4.0	270.0		QL=4 ST=2 TYP=3
	1415	SGMR	46	C	1109.0	1109.0	1.0	33.0		QL=4 ST=2 TYP=8
	1415	SGMR	8	S	1109.0	1109.0	1.0	33.0		QL=2 ST=2 TYP=3
	204	IZMI	25	R	1116.0		44.0D		140.0	
	8800	SGMR	4	S/F	1119.0	1121.0	13.0	99.0		QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1120.0	1122.0	9.0	61.0		QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1120.0	1122.0	8.0	96.0		QL=4 ST=2 TYP=3
	245	SGMR	49	GB	1121.0	1124.0	10.0	1100.0		QL=4 ST=2 TYP=6
	204	IZMI	45	C	1123.7	1123.9	0.5	259.0		
	204	IZMI	46	C	1124.5	1124.9	1.7	1839.0		
	33	UPIC	47	GB	1127.0	1131.0	41.0			
	2695	SGMR	4	S/F	1132.0	1134.0	7.0	99.0		QL=4 ST=2 TYP=3
	4995	SGMR	4	S/F	1132.0	1134.0	5.0	61.0		QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1132.0	1134.0	7.0	60.0		QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1134.0	1136.0	3.0	29.0		QL=4 ST=2 TYP=3
	245	SGMR	8	S	1138.0	1138.0	U	37.0		QL=4 ST=2 TYP=3
	15400	SGMR	4	S/F	1233.0	1255.0	66.0	38.0		QL=4 ST=2 TYP=3
	245	SGMR	8	S	1319.0	1320.0	1.0	63.0		QL=4 ST=2 TYP=3
	245	SVTO	8	S	1320.0	1320.0	U	80.0		QL=4 ST=2 TYP=3
	15400	SGMR	8	S	1351.0	1351.0	2.0	80.0		QL=4 ST=2 TYP=3
	245	SGMR	8	S	1445.0	1445.0	U	63.0		QL=4 ST=2 TYP=3
	245	SVTO	8	S	1445.0	1445.0	U	55.0		QL=4 ST=3 TYP=3
	2800	PENT	29	PBI	1532.0	1549.0	60.0U	149.0		
	6700	CUBA	21	GRF	1545.0	1556.0	45.0	29.0	14.0	63R
	2695	SVTO	48	C	1546.0	1549.0	10.0	130.0		QL=4 ST=2 TYP=8
	4995	SVTO	48	C	1546.0	1548.0	14.0	97.0		QL=4 ST=2 TYP=8
	6700	CUBA	2	S/F	1547.0	1549.0	8.0	48.0	24.0	38R
	245	SGMR	8	S	1547.0	1547.0	U	38.0		QL=4 ST=2 TYP=3
	1415	SGMR	4	S/F	1547.0	1549.0	4.0	63.0		QL=4 ST=2 TYP=3
	2695	SGMR	4	S/F	1547.0	1549.0	5.0	140.0		QL=4 ST=2 TYP=3
	1415	SVTO	48	C	1547.0	1549.0	5.0	70.0		QL=4 ST=2 TYP=8
	4995	SGMR	4	S/F	1548.0	1549.0	3.0	72.0		QL=4 ST=2 TYP=3
	8800	SGMR	4	S/F	1548.0	1549.0	5.0	51.0		QL=4 ST=2 TYP=3
	610	SVTO	46	C	1549.0	1549.0	U	23.0		QL=4 ST=2 TYP=8
	15400	SVTO	46	C	1549.0	1549.0	U	22.0		QL=4 ST=2 TYP=8
8800	SVTO	8	S	1559.0	1559.0	U	23.0		QL=4 ST=2 TYP=3	
610	SVTO	8	S	1631.0	1631.0	1.0	75.0		QL=4 ST=2 TYP=3	
1415	SVTO	8	S	1631.0	1632.0	2.0	29.0		QL=4 ST=2 TYP=3	
2695	SVTO	8	S	1631.0	1631.0	1.0	24.0		QL=4 ST=2 TYP=3	
4995	SVTO	8	S	1631.0	1631.0	1.0	39.0		QL=4 ST=2 TYP=3	
8800	SVTO	8	S	1631.0	1631.0	1.0	39.0		QL=4 ST=2 TYP=3	
15400	SVTO	8	S	1631.0	1633.0	2.0	39.0		QL=4 ST=2 TYP=3	
245	PALE	8	S	1759.0	1759.0	U	58.0		QL=4 ST=2 TYP=3	
6700	CUBA	4	S/F	2026.2	2030.2	9.8	101.0	50.0	16L	
8800	SGMR	8	S	2028.0	2030.0	2.0	60.0		QL=4 ST=2 TYP=3	
4995	SGMR	4	S/F	2028.0	2030.0	4.0	94.0		QL=4 ST=2 TYP=3	
610	PALE	8	S	2029.0	2030.0	1.0	91.0		QL=4 ST=2 TYP=3	
4995	PALE	8	S	2029.0	2030.0	2.0	82.0		QL=4 ST=2 TYP=3	
8800	PALE	8	S	2029.0	2030.0	1.0	60.0		QL=4 ST=2 TYP=3	
15400	PALE	8	S	2029.0	2029.0	1.0	76.0		QL=4 ST=2 TYP=3	
610	SGMR	8	S	2029.0	2030.0	1.0	79.0		QL=4 ST=2 TYP=3	
2695	SGMR	8	S	2029.0	2030.0	1.0	36.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	2030.0	2030.0	1.0	41.0		QL=4 ST=2 TYP=3	
2800	PENT	29	PBI	2030.0U	2030.0	41.0U				
245	SGMR	8	S	2051.0	2051.0	1.0	96.0		QL=4 ST=2 TYP=3	
2800	PENT	29	PBI	2113.0	2118.0	45.0	22.0			
16	204	IZMI	44	NS	0600.0E			15.0		
	127	TORN	44	NS	0630.0E		72.0D 510.0D	20.0		V=1

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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (2 Hz)	Int	Remarks
16	235	CUBA	44 NS	1305.0E		460.0D		8.0		
	280	CUBA	44 NS	1305.0E		460.0D		13.0		
	2840	PEKG	5 S	0244.0	0246.1	6.0	11.5			
	2804	VORO	41 F	0245.2	0246.2	4.1	9.5			
	2804	VORO	41 F	0245.2	0307.3	22.1	10.6			
	2840	PEKG	20 GRF	0257.0	0307.1	24.0	19.9			
	500	HIRA	8 S	0309.0	0310.0	1.0	20.0			0
	500	HIRA	4 S/F	0311.0	0313.0	4.0	10.0			0
	2804	VORO	28 PRE	0336.3	0341.8	8.8	14.0			
	2840	PEKG	3 S	0339.0	0349.7	21.0	62.3			
	4995	LEAR	48 C	0340.0	0349.0	52.0	83.0			QL=4 ST=2 TYP=8
	2804	VORO	2 S/F	0345.6	0349.7	7.5	42.2			
	8800	LEAR	20 GRF	0347.0	0353.0	56.0	100.0			QL=4 ST=2 TYP=2
	2800	HIRA	3 S	0348.0	0350.0	4.0	35.0			0
	15400	LEAR	20 GRF	0348.0	0407.0	34.0	60.0			QL=4 ST=2 TYP=2
	2695	LEAR	8 S	0349.0	0349.0	1.0	41.0			QL=4 ST=2 TYP=3
	2804	VORO	29 PBI	0353.1	0421.2	57.0D	6.5			
	9100	GORK	4 S/F	0615.7	0617.8	7.0	53.0			
	15400	SVTO	46 C	0617.0	0617.0	U	24.0			QL=4 ST=2 TYP=8
	4995	SVTO	8 S	0617.0	0617.0	1.0	32.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0617.0	0617.0	2.0	62.0			QL=4 ST=2 TYP=3
	2840	PEKG	45 C	0737.0	0744.1	19.0	168.3			
	2800	HIRA	3 S	0740.0	0744.0	8.0	145.0			0
	245	LEAR	4 S/F	0740.0	0743.0	5.0	250.0			QL=4 ST=2 TYP=3
	245	SVTO	48 C	0740.0	0743.0	5.0	220.0			QL=4 ST=2 TYP=8
	2950	GORK	4 S/F	0740.3	0743.9	16.5	160.0			
	600	GORK	4 S/F	0740.5	0744.2	10.8	260.0			
	900	GORK	46 C	0740.5	0744.7		120.0			
	900	GORK	46 C	0740.5	0743.9	7.5	110.0			
	204	IZMI	46 C	0740.6	0743.8	4.9	2510.0			
	3000	IZMI	45 C	0740.9	0743.9	5.5	125.0	31.0		
	500	HIRA	4 S/F	0741.0	0745.0	9.0	80.0			WL
	410	LEAR	4 S/F	0741.0	0744.0	4.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0741.0	0743.0	4.0	150.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0741.0	0743.0	4.0	230.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0741.0	0744.0	4.0	120.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0741.0	0743.0	4.0	140.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0741.0	0744.0	4.0	140.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0741.0	0743.0	4.0	130.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0741.0	0743.0	5.0	270.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0742.0	0743.0	2.0	160.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0742.0	0744.0	3.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0742.0	0743.0	3.0	140.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0742.0	0743.0	2.0	190.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	0742.0	0742.5	4.5				
	9100	GORK	4 S/F	0742.2	0743.9	3.3	130.0			
	15400	SVTO	8 S	0743.0	0743.0	1.0	37.0			QL=4 ST=2 TYP=3
	900	GORK	40 F	0749.7	0750.1	1.3	39.0			
	245	SVTO	8 S	0831.0	0831.0	1.0	52.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0831.3	0831.8	1.3	94.0			
204	IZMI	45 C	1023.6	1023.7	0.3	804.0				
9100	GORK	2 S/F	1037.2	1038.6	2.8	15.0				
33	UPIC	42 SER	1331.0	1347.0	23.0					
235	CUBA	42 SER	1335.4	1339.0	19.6	297.0	149.0			
280	CUBA	42 SER	1335.9	1339.3	17.3	969.0	485.0			
245	SGMR	8 S	1336.0	1336.0	U	140.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1336.0	1336.0	1.0	140.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1336.0	1336.0	1.0	34.0			QL=4 ST=2 TYP=3	
245	SGMR	49 GB	1339.0	1339.0	U	820.0			QL=4 ST=2 TYP=6	
245	SVTO	49 GB	1339.0	1339.0	1.0	600.0			QL=4 ST=2 TYP=6	
6700	CUBA	4 S/F	1344.2	1350.2	6.0	86.0	43.0		26R	
2695	SGMR	4 S/F	1345.0	1350.0	7.0	120.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1345.0	1350.0	8.0	150.0			QL=4 ST=2 TYP=3	
2695	SVTO	4 S/F	1345.0	1350.0	7.0	110.0			QL=4 ST=3 TYP=3	
4995	SVTO	48 C	1345.0	1350.0	14.0	160.0			QL=4 ST=3 TYP=8	
410	SGMR	8 S	1346.0	1346.0	1.0	26.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	1346.0	1347.0	5.0	60.0			QL=4 ST=2 TYP=3	
8800	SGMR	4 S/F	1346.0	1350.0	7.0	75.0			QL=4 ST=2 TYP=3	
245	SVTO	48 C	1346.0	1347.0	4.0	74.0			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

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Sep 01

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density (10 ⁻²² W/m ² Hz)		Int	Remarks	
							Peak	Mean			
16	410	SVTO	46 C	1346.0	1346.0	2.0	38.0			QL=4 ST=3 TYP=8	
	610	SVTO	46 C	1346.0	1348.0	4.0	29.0			QL=4 ST=3 TYP=8	
	1415	SVTO	4 S/F	1346.0	1350.0	5.0	48.0			QL=4 ST=3 TYP=3	
	127	TORN	48 C	1346.0	1348.6	8.2	80.0	20.0			
	610	SGMR	8 S	1347.0	1348.0	2.0	31.0				QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1347.0	1350.0	3.0	45.0				QL=4 ST=2 TYP=3
	15400	SVTO	46 C	1348.0	1350.0	4.0	32.0				QL=4 ST=3 TYP=8
	15400	SGMR	4 S/F	1349.0	1350.0	3.0	37.0				QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1355.8	1356.2	0.4	17.0	8.0			8L
	8800	SVTO	8 S	1357.0	1358.0	2.0	29.0				QL=4 ST=3 TYP=3
	6700	CUBA	2 S/F	1357.2	1358.5	1.3	22.0	11.0			16L
	245	SGMR	8 S	1430.0	1430.0	U	92.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1430.0	1430.0	2.0	67.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1501.0	1501.0	U	570.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1501.0	1501.0	U	320.0				QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1707.0	1711.0	6.6	21.0	10.0			16L
	2800	PENT	29 PBI	1827.0	1841.0	65.0U	137.0				
	2695	SGMR	4 S/F	1839.0	1841.0	5.0	120.0				QL=4 ST=2 TYP=3
	6700	CUBA	4 S/F	1839.5	1842.5	8.9	83.0	41.0			19R
	2695	PALE	4 S/F	1840.0	1840.0	3.0	120.0				QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	1840.0	1841.0	4.0	110.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1840.0	1840.0	U	34.0				QL=4 ST=2 TYP=3
	410	SGMR	8 S	1840.0	1840.0	U	39.0				QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1840.0	1841.0	3.0	44.0				QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1840.0	1842.0	6.0	140.0				QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1840.0	1842.0	5.0	77.0				QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1842.0	1842.0	1.0	35.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	2345.0	2345.0	1.0	260.0				QL=4 ST=2 TYP=3
	17	127	TORN	43 NS	0840.0		77.0D		4.0		V=1
		204	IZMI	43 NS	0851.0		189.0D		15.0		
235		CUBA	44 NS	1320.0E		510.0D		7.0			
280		CUBA	44 NS	1320.0E		510.0D		13.0			
2840		PEKG	1 S	0142.0	0144.1	3.5	4.3				
2804		VORO	40 F	0143.3	0147.1	6.3	6.7				
245		LEAR	8 S	0146.0	0146.0	1.0	150.0				QL=4 ST=2 TYP=3
2840		PEKG	1 S	0146.0	0147.0	3.0	8.0				
245		PALE	8 S	0147.0	0147.0	U	160.0				QL=4 ST=2 TYP=3
4995		PALE	8 S	0147.0	0147.0	U	26.0				QL=4 ST=2 TYP=3
2840		PEKG	1 S	0203.0	0205.8	6.0	7.3				
2804		VORO	40 F	0205.1	0205.7	2.5	4.6				
2840		PEKG	45 C	0445.0	0453.1	18.0	29.2				
2950		GORK	46 C	0449.5	0453.2		25.0				
2950		GORK	46 C	0449.5	0451.2	16.1	24.0				
900		GORK	2 S/F	0450.4	0451.0	2.2	11.0				
600		GORK	2 S/F	0450.8	0451.4	1.2	5.3				
2800		HIRA	1 S	0451.0	0451.0	9.0	20.0				0
2840		PEKG	3 S	0610.0	0613.3	10.0	32.4				
9100		GORK	3 S	0612.7	0613.3	4.2	41.0				
2950		GORK	3 S	0612.8	0613.5	3.2	29.0				
2800		HIRA	1 S	0613.0	0613.0	2.0	35.0				0
2695		SVTO	8 S	0613.0	0613.0	U	27.0				QL=4 ST=2 TYP=3
4995		SVTO	8 S	0613.0	0613.0	U	50.0				QL=4 ST=2 TYP=3
8800		SVTO	8 S	0613.0	0613.0	U	53.0				QL=4 ST=2 TYP=3
15400		SVTO	8 S	0613.0	0613.0	U	36.0				QL=4 ST=2 TYP=3
3000		IZMI	5 S	0613.0	0613.4	1.1	23.0	12.0			
2840		PEKG	5 S	0647.0	0648.7	6.0	33.5				
2950		GORK	3 S	0648.0	0649.0	1.3	30.0				
2800		HIRA	1 S	0648.0	0649.0	3.0	35.0				0
4995	LEAR	8 S	0648.0	0648.0	1.0	46.0				QL=4 ST=2 TYP=3	
8800	LEAR	8 S	0648.0	0648.0	1.0	49.0				QL=4 ST=2 TYP=3	
2695	SVTO	8 S	0648.0	0648.0	1.0	29.0				QL=4 ST=2 TYP=3	
4995	SVTO	8 S	0648.0	0648.0	1.0	55.0				QL=4 ST=2 TYP=3	
8800	SVTO	8 S	0648.0	0648.0	1.0	55.0				QL=4 ST=2 TYP=3	
15400	SVTO	8 S	0648.0	0648.0	1.0	27.0				QL=4 ST=2 TYP=3	
9100	GORK	3 S	0648.0	0648.9	4.8	47.0					
3000	IZMI	5 S	0648.3	0648.9	1.4	29.0	13.0				
600	GORK	46 C	0814.6	0822.3	21.4	300.0					
600	GORK	46 C	0814.6	0824.5		200.0					

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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
17	2840	PEKG	47 GB	0816.0	0821.8	30.0	575.1			
	127	TORN	49 GB	0817.7	0824.9	16.7	2400.0	120.0		
	204	IZMI	46 C	0818.1	0821.0	18.0	493.0			
	245	LEAR	49 GB	0819.0	0822.0	9.0	910.0			QL=4 ST=2 TYP=6
	1415	LEAR	49 GB	0819.0	0821.0	6.0	610.0			QL=4 ST=2 TYP=6
	2695	LEAR	4 S/F	0819.0	0821.0	8.0	460.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0819.0	0821.0	6.0	610.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0819.0	0821.0	7.0	420.0			QL=4 ST=3 TYP=3
	245	SVTO	49 GB	0819.0	0822.0	10.0	880.0			QL=4 ST=3 TYP=6
	900	GORK	45 C	0819.0	0822.1	12.3	280.0			
	900	GORK	45 C	0819.0	0824.2		250.0			
	33	UPIC	48 C	0819.0	0822.5	21.0				
	9100	GORK	46 C	0819.4	0821.5	26.3	530.0			
	9100	GORK	46 C	0819.4	0822.8		230.0			
	3000	IZMI	46 C	0819.7	0821.6	24.3	520.0	46.0		
	2950	GORK	46 C	0819.8	0821.6	14.2	450.0			
	2950	GORK	46 C	0819.8	0822.7		120.0			
	2800	HIRA	8 S	0820.0	0822.0	2.0	125.0			0
	500	HIRA	7 C	0820.0	0825.0	5.0	95.0			0
	410	LEAR	4 S/F	0820.0	0822.0	6.0	160.0			QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0820.0	0822.0	5.0	97.0			QL=4 ST=2 TYP=3
	1415	SVTO	49 GB	0820.0	0821.0	5.0	610.0			QL=4 ST=3 TYP=6
	410	SVTO	4 S/F	0820.0	0822.0	7.0	180.0			QL=4 ST=3 TYP=3
	610	SVTO	4 S/F	0820.0	0822.0	5.0	110.0			QL=4 ST=3 TYP=3
	4995	LEAR	49 GB	0820.0	0821.0	13.0	690.0			QL=4 ST=2 TYP=6
	8800	LEAR	49 GB	0820.0	0821.0	19.0	510.0			QL=4 ST=2 TYP=6
	15400	SVTO	48 C	0820.0	0821.0	13.0	200.0			QL=4 ST=2 TYP=8
	4995	SVTO	49 GB	0820.0	0821.0	15.0	800.0			QL=4 ST=3 TYP=6
	8800	SVTO	49 GB	0820.0	0821.0	15.0	570.0			QL=4 ST=3 TYP=6
	15400	LEAR	4 S/F	0821.0	0821.0	4.0	170.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	0821.0	0821.0	9.0	200.0			QL=4 ST=3 TYP=3
	245	SVTO	8 S	0833.0	0833.0	1.0	23.0			QL=4 ST=2 TYP=3
	2950	GORK	29 PBI	0834.0	0834.0	86.0	14.4			
	610	SVTO	4 S/F	0900.0	0905.0	5.0	96.0			QL=4 ST=2 TYP=3
	245	SVTO	46 C	0906.0	0906.0	U	22.0			QL=4 ST=2 TYP=8
	3000	IZMI	22 GRF	0926.1	0927.7	16.8	13.0	8.0		
	9100	GORK	20 GRF	0926.3	0941.0	28.2	19.0			
	245	SVTO	8 S	1011.0	1011.0	U	62.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	1053.3	1053.5	0.7	64.0			
	204	IZMI	41 F	1137.4	1137.6	0.8	42.0			
	6700	CUBA	2 S/F	1428.6	1429.8	2.6	12.0	6.0		21L
	245	SGMR	8 S	1512.0	1512.0	U	110.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	1540.0	1549.0	55.0U	383.0			
	6700	CUBA	4 S/F	1548.0	1549.0	5.8	328.0	164.0		18L
	1415	SGMR	8 S	1548.0	1548.0	1.0	100.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1548.0	1549.0	4.0	380.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1548.0	1548.0	4.0	650.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1548.0	1548.0	4.0	790.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1548.0	1548.0	5.0	1000.0			QL=4 ST=2 TYP=3
	4995	SVTO	49 GB	1548.0	1548.0	5.0	630.0			QL=4 ST=2 TYP=6
8800	SVTO	49 GB	1548.0	1548.0	7.0	950.0			QL=4 ST=2 TYP=6	
15400	SVTO	49 GB	1548.0	1548.0	4.0	920.0			QL=4 ST=2 TYP=6	
1415	SVTO	8 S	1548.0	1548.0	2.0	110.0			QL=4 ST=3 TYP=3	
2695	SVTO	4 S/F	1548.0	1549.0	8.0	390.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1652.0	1652.0	U	65.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1800.0	1800.0	U	150.0			QL=4 ST=2 TYP=3	
410	PALE	8 S	1938.0	1939.0	2.0	330.0			QL=4 ST=2 TYP=3	
245	PALE	4 S/F	1938.0	1939.0	4.0	370.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1938.0	1939.0	1.0	280.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1938.0	1938.0	1.0	370.0			QL=4 ST=2 TYP=3	
1415	SGMR	8 S	1938.0	1939.0	1.0	150.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	1938.0	1938.0	3.0	300.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	1939.0	1939.0	U	380.0			QL=4 ST=2 TYP=3	
1415	PALE	8 S	1939.0	1939.0	1.0	130.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2057.0	2105.0	88.0	178.0				
2800	HIRA	8 S	2104.0	2105.0	2.0	160.0			0	
500	HIRA	4 S/F	2104.0	2105.0	8.0	20.0			0	
245	PALE	48 C	2104.0	2108.0	5.0	3200.0			QL=2 ST=2 TYP=8	
1415	PALE	8 S	2104.0	2105.0	2.0	45.0			QL=4 ST=2 TYP=3	

S O L A R R A D I O E M I S S I O N
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Sep 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
17	2695	PALE	8 S	2104.0	2105.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	2104.0	2105.0	2.0	180.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	2104.0	2105.0	2.0	160.0			QL=4 ST=2 TYP=3
	410	PALE	4 S/F	2104.0	2105.0	3.0	260.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	2104.0	2105.0	2.0	1200.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	2104.0	2104.0	1.0	260.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	2104.0	2105.0	1.0	63.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	2104.0	2105.0	1.0	150.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	2104.0	2105.0	1.0	220.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	2104.0	2105.0	1.0	120.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	2104.0	2105.0	2.0	110.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	2105.0	2105.0	U	23.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	2106.0	2108.0	2.0	2900.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	2107.0	2107.0	U	29.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	2107.0	2107.0	173.0	29.0			QL=4 ST=2 TYP=3
245	LEAR	4 S/F	2348.0	2350.0	3.0	56.0			QL=4 ST=2 TYP=3	
18	235	CUBA	44 NS	1320.0E		510.0D		9.0		
	280	CUBA	44 NS	1320.0E		510.0D		17.0		
	235	CUBA	44 NS	1532.8	1537.9	7.4	2170.0	1085.0		
	2800	PENT	29 PBI	0001.0	0006.0	56.0	241.0			
	2840	PEKG	3 S	0004.0	0006.5	13.0	249.1			
	2804	VORO	3 S	0005.6	0006.7	11.2	210.3			
	2800	HIRA	8 S	0006.0	0006.0	4.0	240.0			WR
	1415	LEAR	8 S	0006.0	0006.0	U	25.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0006.0	0006.0	2.0	230.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0006.0	0006.0	2.0	140.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0006.0	0006.0	U	61.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0006.0	0006.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0006.0	0006.0	2.0	230.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0006.0	0006.0	2.0	170.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0006.0	0006.0	1.0	140.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0013.0	0014.0	1.0	160.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0013.0	0015.0	3.0	25.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0013.0	0014.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0014.0	0015.0	2.0	38.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0015.0	0015.0	1.0	15.0			0
	500	HIRA	8 S	0134.0	0134.0	1.0	10.0			0
	2804	VORO	1 S	0354.6	0355.8	1.1	5.7			
	410	PALE	49 GB	0355.0	0356.0	1.0	1300.0			QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0355.0E	0355.0U	1.0D	1700.0			QL=4 ST=2 TYP=6
	500	HIRA	8 S	0356.0	0356.0	1.0	50.0			0
	2840	PEKG	3 S	0420.0	0428.7	16.0	38.2			
	600	GORK	46 C	0426.3	0428.5	9.0	18.0			
	600	GORK	46 C	0426.3	0434.9		32.0			
	9100	GORK	1 S	0427.7	0428.5	2.0	21.0			
	900	GORK	1 S	0427.7	0428.5	1.5	6.1			
	500	HIRA	4 S/F	0428.0	0429.0	3.0	15.0			0
	2695	LEAR	8 S	0428.0	0428.0	1.0	35.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0428.0	0428.0	1.0	47.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0428.0	0428.0	3.0	110.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0428.0	0428.0	3.0	150.0			QL=4 ST=2 TYP=3
8800	LEAR	4 S/F	0428.0	0428.0	3.0	33.0			QL=4 ST=2 TYP=3	
2800	HIRA	42 SER	0428.0	0440.0	15.0	65.0			0	
4995	LEAR	4 S/F	0437.0	0439.0	5.0	120.0			QL=4 ST=2 TYP=3	
2840	PEKG	5 S	0437.0	0439.7	9.0	65.7				
900	GORK	4 S/F	0437.2	0440.0	4.8	38.0				
9100	GORK	4 S/F	0437.7	0439.1	4.2	64.0				
600	GORK	4 S/F	0437.8	0439.5	4.4	11.0				
500	HIRA	4 S/F	0438.0	0444.0	6.0	85.0			0	
245	LEAR	8 S	0438.0	0439.0	2.0	41.0			QL=4 ST=2 TYP=3	
610	LEAR	8 S	0438.0	0439.0	2.0	63.0			QL=4 ST=2 TYP=3	
15400	LEAR	8 S	0438.0	0439.0	1.0	37.0			QL=4 ST=2 TYP=3	
410	LEAR	4 S/F	0438.0	0439.0	4.0	240.0			QL=4 ST=2 TYP=3	
1415	LEAR	4 S/F	0438.0	0439.0	3.0	41.0			QL=4 ST=2 TYP=3	
2695	LEAR	4 S/F	0438.0	0439.0	3.0	62.0			QL=4 ST=2 TYP=3	
8800	LEAR	4 S/F	0438.0	0439.0	3.0	85.0			QL=4 ST=2 TYP=3	
2950	GORK	4 S/F	0438.3U	0439.5	6.4D	75.0				
2950	GORK	46 C	0700.5	0703.4		22.0				

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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
18	2950	GORK	46 C	0700.5	0701.5	5.0	6.5			
	3000	IZMI	7 C	0700.8	0703.4	3.4	27.0	8.0		
	245	LEAR	8 S	0701.0	0701.0	2.0	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0701.0	0701.0	1.0	190.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0701.0	0703.3	7.0	24.8			
	33	UPIC	46 C	0701.5	0702.0	3.5				
	900	GORK	4 S/F	0701.6	0703.0	4.4	13.0			
	4995	SVTO	8 S	0702.0	0703.0	1.0	39.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0702.8	0703.4	1.2	97.0			
	1415	SVTO	8 S	0703.0	0703.0	U	22.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0703.0	0703.4	0.7	10.0			
	245	SVTO	8 S	0714.0	0714.0	U	110.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	0714.3	0714.4	0.1	13.0			
	245	LEAR	8 S	0744.0	0745.0	1.0	57.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0744.0	0745.0	1.0	510.0			QL=2 ST=2 TYP=6
	410	SVTO	8 S	0744.0	0744.0	U	73.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0744.1	0745.1	1.5	153.0			
	204	IZMI	7 C	0913.4	0913.5	0.2	14.0			
	2840	PEKG	1 S	0914.0	0917.4	7.0	6.1			
	204	IZMI	7 C	0920.9	0920.9	0.1	13.0			
	204	IZMI	42 SER	1001.4	1002.3	1.5	24.0			
	204	IZMI	41 F	1124.3	1124.6	0.5	21.0			
	204	IZMI	42 SER	1128.0	1129.2	1.5	83.0			
	410	SGMR	8 S	1146.0	1146.0	U	56.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1146.0	1146.0	U	130.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1146.5	1146.9	0.5	55.0			
	410	SVTO	8 S	1211.0	1211.0	1.0	53.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1307.0	1307.3	2.0	27.0	13.0		12L
	2800	PENT	41 F	1505.0	1538.0	53.0	76.0			
	280	CUBA	41 F	1531.8	1537.9	6.9	542.0	271.0		
	33	UPIC	46 C	1532.5	1534.0	4.0				
	245	SGMR	4 S/F	1533.0	1537.0	6.0	480.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1533.0	1538.0	7.0	99.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1533.0	1537.0	4.0	450.0			QL=4 ST=3 TYP=3
	410	SVTO	4 S/F	1533.0	1536.0	6.0	250.0			QL=4 ST=3 TYP=3
	610	SVTO	4 S/F	1533.0	1538.0	5.0	77.0			QL=4 ST=3 TYP=3
	1415	SVTO	4 S/F	1533.0	1536.0	7.0	38.0			QL=4 ST=3 TYP=3
	2695	SVTO	4 S/F	1533.0	1538.0	7.0	70.0			QL=4 ST=3 TYP=3
	8800	SVTO	4 S/F	1533.0	1537.0	6.0	51.0			QL=4 ST=3 TYP=3
	6700	CUBA	4 S/F	1533.1	1538.7	13.2	73.0	36.0		19L
	1415	SGMR	4 S/F	1534.0	1536.0	5.0	52.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1534.0	1534.0	1.0	35.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1534.0	1537.0	7.0	89.0			QL=4 ST=3 TYP=3
	410	SGMR	4 S/F	1536.0	1536.0	3.0	130.0			QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	1536.0	1536.0	3.0	250.0			QL=4 ST=2 TYP=3
1415	SVTO	4 S/F	1536.0	1536.0	3.0	40.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	1537.0	1538.0	2.0	94.0			QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1537.0	1537.0	2.0	65.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	1537.0	1537.0	1.0	36.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1538.0	1538.0	U	73.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1542.0	1542.0	1.0	34.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1542.0	1542.0	U	76.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1550.0	1550.0	U	55.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1550.0	1550.0	U	32.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1606.0	1606.0	U	160.0			QL=4 ST=2 TYP=3	
610	SVTO	8 S	1606.0	1606.0	U	130.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1705.0	1705.0	U	30.0			QL=4 ST=2 TYP=3	
1415	SGMR	8 S	1705.0	1705.0	1.0	41.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1705.0	1705.0	1.0	95.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	1705.0	1705.0	1.0	85.0			QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	1705.3	1705.8	1.3	55.0	27.0		3L	
2800	PENT	1 S	1841.0	1844.0	8.0	7.0				
2800	PENT	1 S	1919.0	1922.0	6.0	10.0				
6700	CUBA	1 S	1954.4	1955.1	1.8	21.0	10.0		10R	
2800	PENT	1 S	2045.0	2048.0	7.0	11.0				
245	LEAR	8 S	2250.0	2250.0	1.0	57.0			QL=4 ST=2 TYP=3	
19	235	CUBA	44 NS	1300.0E		180.0D	6.0			
	280	CUBA	44 NS	1300.0E		180.0D	17.0			

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
19	2840	PEKG	5 S	0132.0	0133.4	4.0	12.3			
	2804	VORO	1 S	0133.0	0133.3	1.6	9.2			
	245	LEAR	8 S	0308.0	0308.0	U	56.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0308.0	0308.0	U	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0325.0	0325.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0325.0	0325.0	1.0	180.0			QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0343.0	0345.0	3.0	99.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0349.0	0351.0	2.0	91.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0349.0	0351.0	2.0	160.0			QL=4 ST=2 TYP=3
	2950	GORK	1 S	0516.4	0517.2	2.1	5.1			
	900	GORK	3 S	0539.0	0539.0	0.4	6.1			
	9100	GORK	3 S	0539.3	0539.6	0.7	12.0			
	204	IZMI	42 SER	0611.9	0623.0	20.0	36.0			
	2840	PEKG	1 S	0614.0	0616.5	6.0	4.9			
	2840	PEKG	3 S	0645.0	0654.3	24.0	27.5			
	2950	GORK	46 C	0652.4	0654.5	9.2	22.0			
	2950	GORK	46 C	0652.4	0658.6		8.0			
	3000	IZMI	22 GRF	0653.1	0654.4	11.1	22.0	7.0		
	245	LEAR	4 S/F	0655.0	0657.0	5.0	340.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0655.0	0657.0	6.0	300.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	0656.1	0658.6	5.6	2856.0			
	127	TORN	48 C	0657.0	0658.5	8.0	110.0	40.0		
	900	GORK	40 F	0659.0	0700.0	1.5	16.0			
	9100	GORK	1 S	0720.3	0720.5	0.4	11.0			
	204	IZMI	41 F	0751.6	0752.0	0.7	8.0			
	900	GORK	42 SER	0803.9	0810.6		9.8			
	900	GORK	42 SER	0803.9	0804.8	14.4	48.0			
	2840	PEKG	3 S	0804.0	0810.6	10.0	24.9			
	610	SVTO	8 S	0809.0	0810.0	1.0	65.0			QL=4 ST=2 TYP=3
	600	GORK	42 SER	0809.4	0818.2		54.0			
	600	GORK	42 SER	0809.4	0810.5	29.6	200.0U			
	9100	GORK	20 GRF	0809.6	0810.3U	9.8	7.8U			
	3000	IZMI	22 GRF	0809.7	0810.5	1.4	19.0	8.0		
	2950	GORK	21 GRF	0809.7	0816.9	18.4	6.5			
	2950	GORK	2 S/F	0810.0	0810.5U	0.5D	9.1U			
	500	HIRA	8 S	0811.0	0811.0	1.0	80.0			0
	2840	PEKG	5 S	0815.0	0818.1	6.0	13.3			
	204	IZMI	46 C	0815.7	0816.4	2.4	434.0			
	3000	IZMI	7 C	0818.1	0818.3	0.6	11.0	5.0		
	2950	GORK	2 S/F	0818.2	0818.3	0.5	9.1			
	204	IZMI	42 SER	0819.8	0820.5	0.7	22.0			
	2950	GORK	46 C	0848.0	0954.1		10.0			
	900	GORK	42 SER	0848.4	0913.3		8.6			
	900	GORK	42 SER	0848.4	0905.7	34.1	12.0			
	245	LEAR	49 GB	0914.0	0914.0	U	13000.0			QL=4 ST=2 TYP=6
245	SVTO	49 GB	0914.0	0914.0	U	13000.0			QL=4 ST=3 TYP=6	
410	SVTO	8 S	0914.0	0914.0	U	220.0			QL=4 ST=3 TYP=3	
600	GORK	2 S/F	0914.3	0914.4	0.3	13.0				
204	IZMI	7 C	0914.4	0914.4	0.1	44.0				
204	IZMI	42 SER	0933.9	0935.7	2.9	24.0				
204	IZMI	42 SER	0944.7	0945.2	0.7	11.0				
245	LEAR	8 S	0953.0	0953.0	1.0	130.0			QL=4 ST=2 TYP=3	
204	IZMI	45 C	1106.4	1106.6	0.6	158.0				
245	SGMR	8 S	1140.0	1140.0	U	83.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	1151.3	1151.9	8.6	49.0				
245	SVTO	4 S/F	1539.0	1540.0	4.0	480.0			QL=4 ST=2 TYP=3	
245	SGMR	48 C	1540.0	1540.0	2.0	280.0			QL=4 ST=2 TYP=8	
245	PALE	49 GB	1738.0	1739.0	2.0	580.0			QL=4 ST=2 TYP=6	
245	SGMR	8 S	1739.0	1739.0	U	390.0			QL=4 ST=2 TYP=3	
2800	PENT	24 R	1841.0	1846.0	43.0	6.0				
245	LEAR	8 S	2238.0	2238.0	1.0	59.0			QL=4 ST=2 TYP=3	
2804	VORO	21 GRF	2253.7	2331.3	113.0	8.9				
245	LEAR	49 GB	2342.0	2349.0	15.0	3300.0			QL=4 ST=2 TYP=6	
245	PALE	49 GB	2342.0	2349.0	14.0	2900.0			QL=4 ST=2 TYP=6	
410	LEAR	8 S	2344.0	2344.0	U	34.0			QL=4 ST=2 TYP=3	
410	PALE	4 S/F	2344.0	2344.0	14.0	40.0			QL=4 ST=2 TYP=3	
1415	LEAR	8 S	2352.0	2352.0	U	30.0			QL=4 ST=2 TYP=3	
2804	VORO	40 F	2353.8	2354.6	1.3	4.1				

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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
20	33	UPIC	43 NS	0539.0		381.0				UNCERTN
	204	IZMI	43 NS	0600.0		360.00		10.0		
	127	TORN	44 NS	1040.0E		260.00		20.0		V=2
	245	SGMR	43 NS	1117.0	1156.0	139.0	200.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1147.0	1156.0	109.0	200.0			QL=4 ST=3 TYP=1
	245	SVTO	43 NS	1214.0	1236.0	100.0	140.0			QL=2 ST=2 TYP=1
	235	CUBA	44 NS	1320.0E		510.00		15.0		
	280	CUBA	44 NS	1320.0E		510.00		27.0		
	245	SGMR	43 NS	1554.0	1554.0	26.0	69.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1902.0	1902.0	82.0	110.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	2003.0	2004.0	18.0	54.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2232.0	2315.0	285.0	400.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0115.0	0116.0	2.0	100.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0333.0	0334.0	2.0	35.0			WR
	600	GORK	40 F	0433.0	0436.0	3.7	12.0			
	900	GORK	2 S/F	0434.9	0436.0	1.9	7.4			
	900	GORK	2 S/F	0503.0	0503.5	1.5	4.9			
	2840	PEKG	5 S	0504.0	0506.6	9.0	47.3			
	2800	HIRA	8 S	0506.0	0507.0	1.0	50.0			0
	2695	LEAR	8 S	0506.0	0506.0	U	42.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0506.0	0506.0	U	94.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0506.0	0506.0	U	58.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0506.0	0506.0	1.0	53.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0506.0	0506.0	U	85.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0506.0	0506.0	U	34.0			QL=4 ST=2 TYP=3
	9100	GORK	3 S	0506.2	0506.5	1.3	60.0			
	2950	GORK	3 S	0506.2	0506.6	8.0	60.0			
	900	GORK	2 S/F	0555.2	0555.6	1.1	8.6			
	500	HIRA	8 S	0556.0	0556.0	1.0	10.0			0
	900	GORK	42 SER	0719.8	0722.3		60.6			
	900	GORK	42 SER	0719.8	0719.9	9.4	85.0			
	500	HIRA	8 S	0721.0	0722.0	2.0	25.0			WR
	410	LEAR	8 S	0721.0	0722.0	1.0	65.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0721.0	0722.0	1.0	64.0			QL=4 ST=2 TYP=3
	600	GORK	46 C	0721.7	0722.4		120.0			
	600	GORK	46 C	0721.7	0721.8	3.1	45.0			
	204	IZMI	41 F	0753.1	0753.2	0.7	36.0			
	410	SVTO	8 S	0849.0	0850.0	1.0	110.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	0849.7	0850.6	1.3	188.0			
	245	LEAR	8 S	0850.0	0850.0	U	32.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0850.0	0850.0	U	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0854.0	0854.0	1.0	62.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0854.0	0854.0	U	54.0			QL=4 ST=2 TYP=3
	9100	GORK	3 S	1024.4	1024.6	0.5	16.0			
	204	IZMI	25 R	1054.0		66.00		30.0		
	610	SGMR	8 S	1134.0	1134.0	1.0	86.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1134.0	1134.0	1.0	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1155.0	1155.0	U	130.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	1156.4	1156.6	0.9	326.0			
	1415	SGMR	8 S	1438.0	1438.0	1.0	200.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1438.0	1438.0	1.0	220.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1440.0	1441.0	2.0	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1442.0	1442.0	U	59.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1455.0	1455.0	1.0	58.0			QL=4 ST=2 TYP=8
	245	SVTO	8 S	1520.0	1520.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1537.0	1537.0	U	92.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	1809.0	1815.0	83.00	104.0			
	6700	CUBA	4 S/F	1814.7	1815.5	7.1	113.0	56.0		5L
	410	PALE	49 GB	1815.0	1816.0	8.0	2400.0			QL=4 ST=2 TYP=6
	410	SGMR	49 GB	1815.0	1816.0	7.0	3100.0			QL=4 ST=2 TYP=6
	8800	SGMR	8 S	1815.0	1815.0	1.0	97.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1815.0	1815.0	1.0	100.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1815.0	1819.0	5.0	71.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1815.0	1815.0	4.0	98.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1815.0	1815.0	4.0	160.0			QL=4 ST=2 TYP=3
	245	PALE	4 S/F	1815.0	1816.0	10.0	350.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	1815.0	1815.0	10.0	210.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	1815.0	1815.0	10.0	150.0			QL=4 ST=2 TYP=3
	610	PALE	49 GB	1816.0	1817.0	4.0	770.0			QL=4 ST=2 TYP=6

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
20	245	SGMR	4 S/F	1818.0	1820.0	5.0	100.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	1819.0	1819.0	U	52.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1822.0	1822.0	U	32.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1828.0	1828.0	U	44.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	1830.0	1831.0	7.0	880.0			QL=4 ST=2 TYP=6
	245	SGMR	4 S/F	1830.0	1833.0	5.0	85.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1832.0	1836.0	5.0	130.0			QL=4 ST=2 TYP=3
	610	PALE	4 S/F	1834.0	1836.0	3.0	130.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1834.0	1836.0	3.0	89.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1937.0	1939.0	6.0	68.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	1956.0	1957.0	3.0	54.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	2113.0	2115.0	5.0	5.0			
	2800	PENT	1 S	2222.0	2225.0	6.0	8.0			
	15400	LEAR	4 S/F	2251.0	2256.0	8.0	36.0			QL=2 ST=2 TYP=3
	410	LEAR	8 S	2300.0	2300.0	U	37.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2306.0	2306.0	U	52.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	2343.0	2347.0	4.0	79.0			QL=4 ST=2 TYP=3
	500	HIRA	7 C	2344.0	2347.0	7.0	25.0			0
	410	PALE	8 S	2345.0	2346.0	1.0	53.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	2346.0	2346.0	U	41.0			QL=4 ST=2 TYP=3
245	PALE	8 S	2346.0	2346.0	U	51.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	2346.0	2346.0	U	42.0			QL=4 ST=2 TYP=3	
21	204	IZMI	44 NS	0600.0E		360.0D		20.0		
	127	TORN	44 NS	0920.0E		340.0D		20.0		V=2
	245	SGMR	43 NS	1218.0	1228.0	10.0	210.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1300.0E		530.0D		9.0		
	280	CUBA	44 NS	1300.0E		530.0D		15.0		
	245	LEAR	43 NS	2310.0	2310.0	123.0	92.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2310.0	2319.0	128.0	190.0			QL=4 ST=2 TYP=1
	2804	VORO	23 GRF	0120.0	0150.6	145.0	10.9			
	2804	VORO	2 S/F	0141.0	0145.3	5.5	9.7			
	2804	VORO	8 S	0326.4	0326.5	0.5	4.8			
	2804	VORO	40 F	0350.5	0352.6	2.8	5.5			
	2840	PEKG	5 S	0637.0	0640.2	5.0	18.6			
	2950	GORK	4 S/F	0639.4	0640.1	1.9	16.0			
	3000	IZMI	5 S	0639.9	0640.1	0.5	14.0		6.0	
	2840	PEKG	5 S	0643.0	0645.2	5.0	26.3			
	2950	GORK	1 S	0643.5	0645.4	3.3	27.0			
	2695	LEAR	8 S	0644.0	0645.0	1.0	25.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0644.0	0645.0	2.0	80.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0644.0	0645.0	1.0	68.0			QL=4 ST=2 TYP=3
	3000	IZMI	20 GRF	0644.5	0645.4	1.8	31.0		15.0	
	2840	PEKG	3 S	0655.0	0659.2	10.0	32.7			
	2950	GORK	46 C	0657.3	0701.0		14.0			
	2950	GORK	46 C	0657.3	0659.1	5.9	29.0			
	9100	GORK	4 S/F	0657.6	0659.0	3.0	48.0			
	900	GORK	4 S/F	0657.6	0659.5	5.4	8.2			
	3000	IZMI	22 GRF	0657.9	0659.1	4.2	32.0		12.0	
	4995	LEAR	8 S	0658.0	0659.0	2.0	61.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0658.0	0659.0	1.0	49.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0658.0	0659.0	1.0	26.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0658.0	0659.0	3.0	38.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0658.0	0659.0	1.0	23.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0658.0	0659.0	1.0	48.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0658.0	0659.0	2.0	52.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0658.0	0659.0	1.0	34.0			QL=4 ST=2 TYP=3
600	GORK	45 C	0659.2	0701.3		6.6				
600	GORK	45 C	0659.2	0659.6	3.8	6.6				
9100	GORK	29 PBI	0700.6	0700.6	9.0	8.2				
600	GORK	41 F	0719.6	0719.8	2.6	160.0				
600	GORK	41 F	0719.6	0721.9		80.0				
900	GORK	40 F	0721.3	0721.6	1.0	5.9				
2840	PEKG	1 S	0724.0	0726.0	5.0	7.1				
500	HIRA	8 S	0726.0	0726.0	1.0	15.0			0	
410	LEAR	8 S	0726.0	0726.0	U	34.0			QL=4 ST=2 TYP=3	
245	LEAR	4 S/F	0726.0	0726.0	5.0	260.0			QL=4 ST=2 TYP=3	
245	SVTO	4 S/F	0726.0	0726.0	5.0	210.0			QL=4 ST=2 TYP=3	
410	SVTO	4 S/F	0726.0	0726.0	6.0	47.0			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 2001

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	204	IZMI	42	SER	0726.1	0726.4	1.7	118.0			
	900	GORK	3	S	0743.7	0744.0	0.7	7.0			
	245	LEAR	8	S	0746.0	0747.0	2.0	180.0		QL=4 ST=2 TYP=3	
	245	SVTO	8	S	0746.0	0747.0	1.0	180.0		QL=4 ST=2 TYP=3	
	245	LEAR	8	S	0902.0	0903.0	1.0	76.0		QL=4 ST=2 TYP=3	
	245	SVTO	8	S	0902.0	0903.0	1.0	60.0		QL=4 ST=2 TYP=3	
	204	IZMI	46	C	0902.2	0903.2	1.6	380.0			
	245	LEAR	8	S	0905.0	0906.0	1.0	59.0		QL=4 ST=2 TYP=3	
	245	SVTO	8	S	0906.0	0906.0	2.0	52.0		QL=4 ST=2 TYP=3	
	2695	LEAR	8	S	0959.0	0959.0	1.0	33.0		QL=4 ST=2 TYP=3	
	245	LEAR	4	S/F	1001.0	1004.0	5.0	69.0		QL=4 ST=2 TYP=3	
	1415	LEAR	4	S/F	1007.0	1008.0	4.0	92.0		QL=4 ST=2 TYP=3	
	410	LEAR	8	S	1008.0	1009.0	2.0	37.0		QL=4 ST=2 TYP=3	
	245	SVTO	8	S	1228.0	1228.0	U	190.0		QL=4 ST=2 TYP=3	
	245	SVTO	4	S/F	1325.0	1326.0	5.0	85.0		QL=4 ST=2 TYP=3	
	245	SGMR	8	S	1326.0	1326.0	U	110.0		QL=4 ST=2 TYP=3	
	245	SGMR	8	S	1343.0	1343.0	U	97.0		QL=4 ST=2 TYP=3	
	245	SVTO	8	S	1343.0	1343.0	2.0	68.0		QL=4 ST=2 TYP=3	
	245	SGMR	8	S	1503.0	1503.0	2.0	480.0		QL=4 ST=2 TYP=3	
	245	SVTO	4	S/F	1503.0	1503.0	3.0	410.0		QL=4 ST=2 TYP=3	
	2800	PENT	41	F	2056.0	2206.0	78.0	13.0			
	245	LEAR	8	S	2247.0	2248.0	1.0	55.0		QL=4 ST=2 TYP=3	
	245	LEAR	8	S	2254.0	2254.0	1.0	110.0		QL=4 ST=2 TYP=3	
	245	PALE	8	S	2254.0	2255.0	1.0	120.0		QL=4 ST=2 TYP=3	
	245	LEAR	8	S	2258.0	2258.0	1.0	48.0		QL=4 ST=2 TYP=3	
	245	PALE	8	S	2258.0	2258.0	1.0	64.0		QL=4 ST=2 TYP=3	
	2804	VORO	1	S	2321.0	2321.2	1.1	4.2			
	22	204	IZMI	44	NS	0600.0E		360.0D	30.0		
		245	SVTO	43	NS	0731.0	0736.0	5.0	65.0		QL=2 ST=3 TYP=1
		245	SVTO	43	NS	0731.0	0736.0	8.0	65.0		QL=2 ST=3 TYP=1
127		TORN	43	NS	0740.0		270.0	6.0		V=2	
235		CUBA	44	NS	1300.0E		530.0D	9.0			
280		CUBA	44	NS	1300.0E		530.0D	15.0			
2804		VORO	1	S	0036.0	0036.2	1.3	2.9			
245		PALE	8	S	0131.0	0133.0	2.0	93.0		QL=4 ST=2 TYP=3	
245		LEAR	8	S	0132.0	0134.0	2.0	62.0		QL=4 ST=2 TYP=3	
245		LEAR	8	S	0441.0	0442.0	1.0	460.0		QL=4 ST=2 TYP=3	
245		SVTO	8	S	0530.0	0530.0	U	120.0		QL=4 ST=3 TYP=3	
2840		PEKG	5	S	0540.0	0541.6	6.0	11.2			
2950		GORK	46	C	0541.3	0543.6		6.1			
2950		GORK	46	C	0541.3	0541.7	5.2	8.5			
9100		GORK	46	C	0542.4	0543.2	1.7	14.0			
9100		GORK	46	C	0542.4	0543.6		26.0			
245		LEAR	8	S	0628.0	0628.0	U	55.0		QL=4 ST=2 TYP=3	
245		SVTO	8	S	0628.0	0628.0	U	54.0		QL=2 ST=2 TYP=3	
2840		PEKG	3	S	0639.0	0643.4	13.0	39.5			
9100		GORK	46	C	0639.1	0641.3	5.9	84.0			
9100		GORK	46	C	0639.1	0643.3		70.0			
4995		LEAR	4	S/F	0640.0	0643.0	4.0	69.0		QL=4 ST=2 TYP=3	
8800		SVTO	48	C	0640.0	0643.0	4.0	73.0		QL=4 ST=2 TYP=8	
4995		SVTO	4	S/F	0640.0	0643.0	5.0	76.0		QL=4 ST=2 TYP=3	
8800		LEAR	48	C	0640.0	0641.0	11.0	92.0		QL=4 ST=2 TYP=8	
3000		IZMI	45	C	0640.7	0643.4	4.9	44.0	13.0		
2950		GORK	46	C	0640.8	0641.3	7.5	12.0			
2950		GORK	46	C	0640.8	0643.5		57.0			
15400		SVTO	8	S	0641.0	0641.0	U	25.0		QL=4 ST=2 TYP=3	
2695		LEAR	8	S	0643.0	0643.0	U	32.0		QL=4 ST=2 TYP=3	
2695	SVTO	8	S	0643.0	0643.0	U	31.0		QL=4 ST=2 TYP=3		
9100	GORK	29	PBI	0645.0	0645.0	45.0	24.0				
245	LEAR	4	S/F	0721.0	0723.0	8.0	170.0		QL=4 ST=2 TYP=3		
245	SVTO	4	S/F	0721.0	0723.0	3.0	160.0		QL=4 ST=2 TYP=3		
245	LEAR	8	S	0731.0	0731.0	1.0	110.0		QL=4 ST=2 TYP=3		
900	GORK	41	F	0734.9	0736.5	2.8	10.0				
245	LEAR	8	S	0738.0	0739.0	1.0	65.0		QL=4 ST=2 TYP=3		
900	GORK	40	F	0833.1	0833.9	1.2	28.0				
204	IZMI	41	F	0856.0	0856.2	0.4	44.0				
245	LEAR	4	S/F	0911.0	0913.0	4.0	56.0		QL=4 ST=2 TYP=3		
204	IZMI	42	SER	0920.1	0922.9	4.3	92.0				

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Outstanding Occurrences

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Sep 01

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
22	900	GORK	40 F	0939.0	0941.0	2.2	6.1			
	3000	IZMI	22 GRF	1051.0	1051.4	9.8	12.0	2.0		
	6700	CUBA	21 GRF	1450.0E	1450.0	57.0D	25.0	12.0		00L
	6700	CUBA	1 S	1450.7	1451.2	2.2	11.0	5.0		00L
	2800	PENT	20 GRF	1501.0	1518.0	44.0	7.0			
	6700	CUBA	2 S/F	1629.8	1630.4	2.2	11.0	5.0		12R
	4995	PALE	4 S/F	1646.0	1648.0	4.0	69.0			QL=4 ST=3 TYP=3
	2695	PALE	4 S/F	1648.0	1651.0	6.0	67.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1652.0	1652.0	U	29.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1653.0	1653.0	U	30.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	1653.0	1653.0	U	24.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1716.0	1717.0	2.0	210.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1717.0	1717.0	1.0	51.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1717.2	1717.8	0.8	16.0	8.0		00L
	2800	PENT	41 F	1756.0	1814.0	54.0	13.0			
	6700	CUBA	4 S/F	1815.0	1818.2	10.0	13.0	6.0		10R
	6700	CUBA	2 S/F	1835.0	1837.5	5.0	12.0	6.0		6R
	6700	CUBA	2 S/F	1916.0	1919.8	6.0	8.0	4.0		00L
	6700	CUBA	20 GRF	1955.0	2008.0	13.0	14.0	7.0		9L
	2800	PENT	29 PBI	2108.0	2126.0	77.0	9.0			
	245	LEAR	8 S	2316.0	2316.0	U	62.0			QL=4 ST=2 TYP=3
	23	235	CUBA	44 NS	1300.0E		360.0D		7.0	
280		CUBA	44 NS	1300.0E		360.0D		12.0		
2800		PENT	1 S	0100.0	0100.0	15.0U	47.0			
2840		PEKG	3 S	0102.0	0104.1	10.0	64.1			
245		LEAR	49 GB	0103.0	0104.0	1.0	1500.0			QL=4 ST=2 TYP=6
610		LEAR	49 GB	0103.0	0103.0	1.0	1100.0			QL=4 ST=2 TYP=6
410		LEAR	8 S	0103.0	0104.0	1.0	310.0			QL=4 ST=2 TYP=3
1415		LEAR	8 S	0103.0	0104.0	2.0	44.0			QL=4 ST=2 TYP=3
2695		LEAR	8 S	0103.0	0104.0	1.0	51.0			QL=4 ST=2 TYP=3
4995		LEAR	8 S	0103.0	0103.0	1.0	44.0			QL=4 ST=2 TYP=3
610		PALE	49 GB	0103.0	0104.0	1.0	1200.0			QL=4 ST=2 TYP=6
2804		VORO	2 S/F	0103.1	0104.3	3.1	54.9			
2800		HIRA	8 S	0104.0	0104.0	1.0	60.0			WL
500		HIRA	8 S	0104.0	0104.0	1.0	165.0			0
245		PALE	49 GB	0104.0	0104.0	U	2200.0			QL=4 ST=2 TYP=6
410		PALE	8 S	0104.0	0104.0	U	200.0			QL=4 ST=2 TYP=3
1415		PALE	8 S	0104.0	0104.0	U	36.0			QL=4 ST=2 TYP=3
245		LEAR	8 S	0334.0	0334.0	U	190.0			QL=4 ST=2 TYP=3
2840		PEKG	5 S	0404.0	0410.4	9.0	13.8			
610		LEAR	8 S	0409.0	0410.0	2.0	160.0			QL=4 ST=2 TYP=3
410		LEAR	4 S/F	0409.0	0410.0	3.0	300.0			QL=4 ST=2 TYP=3
500		HIRA	8 S	0410.0	0411.0	1.0	140.0			0
410		PALE	8 S	0410.0	0410.0	2.0	350.0			QL=4 ST=2 TYP=3
610		PALE	8 S	0410.0	0410.0	U	110.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0531.0	0531.0	U	54.0			QL=4 ST=2 TYP=3
600		GORK	4 S/F	0650.3	0650.5	0.5	21.0			
245		SVTO	8 S	0730.0	0730.0	U	110.0			QL=4 ST=2 TYP=3
900		GORK	40 F	0741.3	0741.5	2.0	34.0			
2840		PEKG	5 S	0909.0	0912.6	6.0	13.5			
204		IZMI	46 C	0911.7	0912.9	1.7	318.0			
245		LEAR	8 S	0912.0	0912.0	1.0	250.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0912.0	0912.0	1.0	230.0			QL=4 ST=2 TYP=3
33		UPIC	46 C	0912.0	0913.0	3.0				
600		GORK	3 S	0912.0	0912.8	1.4	22.0			
204		IZMI	42 SER	0914.4	0915.1	1.1	9.0			
245		LEAR	8 S	0916.0	0916.0	U	110.0			QL=4 ST=2 TYP=3
245	SVTO	8 S	0916.0	0916.0	U	110.0			QL=4 ST=3 TYP=3	
204	IZMI	45 C	0916.1	0916.2	0.2	173.0				
245	LEAR	8 S	0928.0	0929.0	1.0	77.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0928.0	0929.0	1.0	60.0			QL=4 ST=2 TYP=3	
9100	GORK	46 C	0955.2	0957.2		15.0				
9100	GORK	46 C	0955.2	0956.3	2.8	20.0				
3000	IZMI	20 GRF	0956.8	0959.1	5.1	24.0	9.0			
204	IZMI	42 SER	1111.2	1113.2	3.1	17.0				
8800	SGMR	4 S/F	1134.0	1135.0	4.0	79.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	1135.0	1135.0	U	35.0			QL=4 ST=2 TYP=3	
6700	CUBA	20 GRF	1446.0	1459.0	13.0	24.0	12.0		11L	

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SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
23	2800	PENT	41 F	1535.0	1535.0	21.0	11.0				
	6700	CUBA	4 S/F	1539.0	1543.0	14.0	22.0	11.0		16L	
	245	PALE	8 S	2012.0	2012.0	1.0	81.0			QL=4 ST=2 TYP=3	
	245	SGMR	8 S	2012.0	2012.0	U	61.0			QL=4 ST=2 TYP=3	
	245	PALE	8 S	2036.0	2036.0	U	85.0			QL=4 ST=2 TYP=3	
	245	SGMR	8 S	2036.0	2036.0	U	55.0			QL=4 ST=2 TYP=3	
	245	PALE	8 S	2117.0	2117.0	1.0	76.0			QL=4 ST=2 TYP=3	
	500	HIRA	8 S	2213.0	2213.0	1.0	10.0			0	
24	410	LEAR	44 NS	0924.0E	0938.0	38.0D	72.0			QL=4 ST=2 TYP=1	
	245	LEAR	44 NS	0926.0E	0926.0	36.0D	71.0			QL=4 ST=2 TYP=1	
	127	TORN	43 NS	1122.0		118.0		30.0		V=1	
	204	IZMI	43 NS	1152.0		52.0D		30.0			
	235	CUBA	44 NS	1320.0E		510.0D		9.0			
	280	CUBA	44 NS	1320.0E		510.0D		13.0			
	245	PALE	4 S/F	0243.0	0244.0	3.0	110.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0244.0	0244.0	U	85.0				QL=4 ST=3 TYP=3
	8800	SVTO	8 S	0547.0	0547.0	U	38.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0547.0	0547.0	U	52.0				QL=4 ST=2 TYP=3
	204	IZMI	25 R	0606.0		25.0		30.0			
	204	IZMI	42 SER	0733.9	0734.8	1.5	44.0				
	204	IZMI	42 SER	0746.4	0746.5	0.7	18.0				
	204	IZMI	41 F	0827.0	0827.2	0.4	36.0				
	900	GORK	49 GB	0830.0	1025.0	240.0D	14400.0				
	204	IZMI	42 SER	0838.2	0838.3	3.5	24.0				
	2840	PEKG	3 S	0851.0	0856.0	16.0	23.4				
	204	IZMI	41 F	0851.5	0851.6	1.7	44.0				
	410	LEAR	8 S	0854.0	0855.0	2.0	100.0				QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0854.0	0855.0	3.0	96.0				QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0854.0	0855.0	4.0	140.0				QL=4 ST=2 TYP=3
	410	SVTO	8 S	0854.0	0854.0	1.0	62.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0854.0	0855.0	2.0	74.0				QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0854.0	0855.0	4.0	98.0				QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0854.0	0855.0	4.0	130.0				QL=4 ST=2 TYP=3
	9100	GORK	4 S/F	0854.2	0855.5	5.4	130.0				
	2950	GORK	3 S	0854.3	0855.8	4.5	18.0				
	600	GORK	47 GB	0854.7	1024.7	185.3	6100.0				
	3000	IZMI	20 GRF	0854.8	0855.9	2.6	22.0		10.0		
	15400	LEAR	8 S	0855.0	0855.0	1.0	65.0				QL=4 ST=2 TYP=3
	3000	IZMI	20 GRF	0859.4	0929.9	31.5	12.0		6.0		
	2950	GORK	49 GB	0900.0U	1031.1	189.0D	12000.0				
	610	SVTO	48 C	0917.0	1021.0	883.0	520.0				QL=4 ST=1 TYP=8
	410	SVTO	4 S/F	0920.0	0923.0	5.0	45.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0921.0	0922.0	1.0	150.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	0921.0	0922.0	1.0	110.0				QL=4 ST=2 TYP=3
	9100	GORK	1 S	0921.8	0922.4	1.6	6.0				
	410	LEAR	8 S	0922.0	0923.0	1.0	53.0				QL=4 ST=2 TYP=3
	3000	IZMI	5 S	0922.2	0922.9	1.2	8.0		4.0		
	610	SVTO	49 GB	0930.0	1040.0	129.0	3400.0				QL=4 ST=3 TYP=6
	245	SVTO	49 GB	0930.0	1048.0	140.0	1900.0				QL=4 ST=3 TYP=6
	410	SVTO	49 GB	0930.0	1024.0	185.0	1700.0				QL=4 ST=3 TYP=6
	204	IZMI	46 C	0931.0	1051.7	141.0	1057.0				
	9100	GORK	49 GB	0932.0	1029.9	178.0D	25000.0				
	15400	SVTO	49 GB	0933.0	1029.0	150.0	15000.0				QL=4 ST=3 TYP=6
	4995	SVTO	49 GB	0933.0	1030.0	231.0	22000.0				QL=4 ST=3 TYP=6
	8800	SVTO	49 GB	0933.0	1030.0	230.0	23000.0				QL=4 ST=3 TYP=6
	410	LEAR	4 S/F	0935.0E	0944.0	10.0D	48.0				QL=4 ST=2 TYP=3
610	LEAR	4 S/F	0935.0E	0945.0	10.0D	62.0				QL=4 ST=2 TYP=3	
1415	LEAR	4 S/F	0935.0E	0944.0	10.0D	19.0				QL=4 ST=2 TYP=3	
2695	LEAR	4 S/F	0935.0E	0945.0	10.0D	29.0				QL=4 ST=2 TYP=3	
4995	LEAR	4 S/F	0935.0E	0945.0	10.0D	20.0				QL=4 ST=2 TYP=3	
3000	IZMI	46 C	0935.2	1031.0	164.8D	8793.0					
245	LEAR	8 S	0937.0E	0937.0	U	200.0				QL=4 ST=2 TYP=3	
2695	SVTO	49 GB	0943.0	1034.0	128.0	7500.0				QL=4 ST=3 TYP=6	
127	TORN	47 GB	0945.0		95.0			8600.0			
1415	SVTO	49 GB	0957.0	1019.0	105.0	4300.0				QL=4 ST=3 TYP=6	
33	UPIC	49 GB	0958.0	1019.0U	34.0						
33	UPIC	29 PBI	1032.0	1052.5	152.0						
4995	SGMR	48 C	1055.0	1056.0	14.0	720.0				QL=4 ST=2 TYP=8	

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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
24	2695	SGMR	48 C	1055.0	1056.0	32.0	1800.0			QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1055.0	1059.0	64.0	790.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1121.0	1122.0	5.0	50.0			QL=4 ST=2 TYP=8
	610	SGMR	46 C	1122.0	1122.0	U	29.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	1123.0	1125.0	757.0	75.0			QL=4 ST=1 TYP=8
	4995	SGMR	48 C	1134.0	1136.0	23.0	110.0			QL=4 ST=3 TYP=8
	8800	SGMR	48 C	1134.0	1136.0	29.0	110.0			QL=4 ST=3 TYP=8
	2695	SGMR	4 S/F	1134.0	1134.0	23.0	120.0			QL=4 ST=3 TYP=3
	610	SGMR	48 C	1135.0	1136.0	7.0	51.0			QL=4 ST=3 TYP=8
	245	SGMR	48 C	1135.0	1145.0	15.0	82.0			QL=4 ST=3 TYP=8
	15400	SGMR	48 C	1136.0	1136.0	17.0	65.0			QL=4 ST=3 TYP=8
	1415	SGMR	46 C	1157.0	1158.0	2.0	27.0			QL=4 ST=3 TYP=8
	410	SGMR	48 C	1234.0	1234.0	U	56.0			QL=4 ST=2 TYP=8
	245	SGMR	8 S	1250.0	1250.0	U	54.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1303.0	1308.0	8.0	73.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1308.0	1308.0	1.0	43.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1421.0	1421.0	U	110.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1421.0	1421.0	U	95.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1436.2	1436.7	2.1	22.0	11.0		27L
	410	SGMR	8 S	1441.0	1441.0	U	55.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1508.0	1508.0	U	60.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1508.0	1508.0	U	42.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1509.0	1509.0	U	60.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1509.0	1509.0	U	48.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	1657.0	1659.0	4.0	23.0			
	6700	CUBA	1 S	1658.8	1659.4	3.3	20.0	10.0		8L
	2800	PENT	41 F	1733.0	1802.0	36.0	13.0			
	245	SGMR	8 S	1808.0	1809.0	1.0	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1832.0	1832.0	U	160.0			QL=4 ST=3 TYP=3
	410	SGMR	8 S	1833.0	1833.0	U	61.0			QL=4 ST=3 TYP=3
	2800	PENT	41 F	1833.0	1851.0	23.0	10.0			
	245	PALE	49 GB	1836.0	1836.0	U	540.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	1836.0	1836.0	U	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1836.0	1836.0	U	330.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1836.0	1836.0	1.0	73.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1850.0	1851.0	2.0	150.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1850.0	1851.0	1.0	68.0			QL=4 ST=2 TYP=3
	6700	CUBA	2 S/F	1850.3	1851.2	3.9	15.0	7.0		26L
	245	PALE	4 S/F	1855.0	1856.0	4.0	150.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1856.0	1856.0	U	46.0			QL=4 ST=2 TYP=3
6700	CUBA	2 S/F	1925.2	1926.4	3.7	24.0	12.0		7L	
410	SGMR	8 S	2015.0	2015.0	U	77.0			QL=4 ST=2 TYP=3	
2800	PENT	1 S	2041.0	2045.0	9.0	7.0				
2800	PENT	1 S	2135.0	2139.0	7.0	6.0				
2800	PENT	40 F	2153.0	2209.0	35.0	18.0				
500	HIRA	7 C	2204.0	2209.0	9.0	120.0			ML	
6700	CUBA	4 S/F	2222.0	2229.0	7.0	95.0	47.0		26L	
2804	VORO	20 GRF	2310.0	2400.6	95.0	11.7				
500	HIRA	7 C	2316.0	2318.0	5.0	265.0			WL	
410	LEAR	8 S	2318.0	2318.0	1.0	390.0			QL=4 ST=2 TYP=3	
25	127	TORN	43 NS	0745.0		335.0		5.0		V=1,DISTURBED
	235	CUBA	44 NS	1305.0E		355.0D		8.0		
	280	CUBA	44 NS	1305.0E		355.0D		12.0		
	245	PALE	49 GB	0120.0	0120.0	1360.0	790.0			QL=4 ST=1 TYP=6
	2840	PEKG	3 S	0144.0	0151.6	17.0	74.7			
	2804	VORO	28 PRE	0144.9	0146.8	4.4	8.3			
	245	PALE	48 C	0148.0	0148.0	1.0	1400.0			QL=4 ST=2 TYP=8
	2800	HIRA	3 S	0149.0	0151.0	8.0	65.0			0
	500	HIRA	7 C	0149.0	0153.0	9.0	305.0			SL
	8800	LEAR	4 S/F	0149.0	0151.0	5.0	73.0			QL=4 ST=2 TYP=3
	2804	VORO	4 S/F	0149.3	0151.8	6.2	79.4			
	610	LEAR	48 C	0150.0	0153.0	4.0	700.0			QL=4 ST=2 TYP=8
	245	LEAR	8 S	0150.0	0151.0	1.0	68.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0150.0	0151.0	2.0	53.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0150.0	0151.0	2.0	34.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0150.0	0151.0	4.0	230.0			QL=4 ST=2 TYP=3
4995	LEAR	4 S/F	0150.0	0151.0	4.0	100.0			QL=4 ST=2 TYP=3	
610	PALE	49 GB	0150.0	0153.0	5.0	650.0			QL=4 ST=2 TYP=6	

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

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
25	410	PALE	8 S	0150.0	0151.0	2.0	210.0			QL=4 ST=2 TYP=3	
	2695	PALE	8 S	0150.0	0151.0	2.0	110.0			QL=4 ST=2 TYP=3	
	4995	PALE	4 S/F	0150.0	0151.0	4.0	95.0			QL=4 ST=2 TYP=3	
	1415	LEAR	8 S	0151.0	0151.0	1.0	31.0			QL=4 ST=2 TYP=3	
	1415	PALE	8 S	0151.0	0151.0	1.0	29.0			QL=4 ST=2 TYP=3	
	2804	VORO	29 PBI	0155.5	0156.5	14.5	12.6				
	500	HIRA	8 S	0237.0	0237.0	1.0	385.0				0
	245	LEAR	49 GB	0237.0	0237.0	U	3900.0				QL=4 ST=2 TYP=6
	410	LEAR	49 GB	0237.0	0237.0	1.0	730.0				QL=4 ST=2 TYP=6
	2840	PEKG	45 C	0424.0	0434.9	76.0	187.8				
	8800	LEAR	48 C	0425.0	0434.0	57.0	770.0				QL=4 ST=2 TYP=8
	9100	GORK	28 PRE	0425.1	0425.9	7.4	38.0				
	4995	LEAR	4 S/F	0429.0	0434.0	53.0	390.0				QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0432.0	0433.0	5.0	3600.0				QL=4 ST=2 TYP=6
	9100	GORK	46 C	0432.5	0434.1	51.5	540.0				
	9100	GORK	46 C	0432.5	0455.4		180.0				
	9100	GORK	46 C	0432.5	0510.6		60.0				
	9100	GORK	46 C	0432.5	0439.8		240.0				
	600	GORK	46 C	0432.6	0458.3		110.0				
	600	GORK	46 C	0432.6	0434.3	28.5	130.0				
	600	GORK	46 C	0432.6	0443.6		26.0				
	600	GORK	46 C	0432.6	0439.8		53.0				
	900	GORK	46 C	0432.7	0434.4	29.2	155.0				
	900	GORK	46 C	0432.7	0439.8		130.0				
	410	LEAR	49 GB	0433.0	0434.0	11.0	1100.0				QL=4 ST=2 TYP=6
	610	LEAR	4 S/F	0433.0	0434.0	10.0	180.0				QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0433.0	0434.0	17.0	120.0				QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0433.0	0434.0	11.0	190.0				QL=4 ST=2 TYP=3
	500	HIRA	4 S/F	0433.0	0434.0	25.0	120.0				ML
	2800	HIRA	42 SER	0433.0	0435.0	43.0	200.0				0
	15400	LEAR	49 GB	0434.0	0434.0	29.0	510.0				QL=4 ST=2 TYP=6
	900	GORK	46 C	0509.5	0514.3		10.0				
	900	GORK	46 C	0509.5	0510.9	6.4	12.0				
	600	GORK	2 S/F	0509.7	0510.9	4.8	6.6				
	900	GORK	41 F	0520.4	0521.3	5.1	4.5				
	900	GORK	41 F	0520.4	0523.8		11.0				
	600	GORK	40 F	0604.0	0606.2	2.9	20.0				
	9100	GORK	4 S/F	0631.7	0632.1	0.7	180.0				
	245	SVTO	8 S	0642.0	0643.0	1.0	110.0				QL=4 ST=2 TYP=3
	2840	PEKG	1 S	0652.0	0657.1	8.0	5.2				
	600	GORK	4 S/F	0653.8	0654.3	1.7	20.0				
	9100	GORK	1 S	0726.5	0727.3	1.7	14.0				
	9100	GORK	2 S/F	0732.7	0733.2	0.8	14.0				
	600	GORK	4 S/F	0802.8	0804.9	2.7	19.0				
	2840	PEKG	20 GRF	0812.0	0827.3	32.0	25.2				
	3000	IZMI	42 SER	0815.7	0827.2	16.0	24.0				
	204	IZMI	42 SER	0816.4	0820.5	19.6	124.0				
	410	LEAR	4 S/F	0817.0	0818.0	3.0	200.0				QL=4 ST=2 TYP=3
	410	SVTO	8 S	0817.0	0819.0	2.0	130.0				QL=4 ST=2 TYP=3
	410	SVTO	4 S/F	0824.0	0826.0	4.0	150.0				QL=4 ST=2 TYP=3
610	LEAR	8 S	0826.0	0826.0	U	35.0				QL=4 ST=2 TYP=3	
410	LEAR	4 S/F	0826.0	0826.0	5.0	260.0				QL=4 ST=2 TYP=3	
610	SVTO	8 S	0826.0	0826.0	2.0	45.0				QL=4 ST=2 TYP=3	
600	GORK	40 F	0846.5	0847.3	3.5	14.0					
610	LEAR	48 C	0848.0	0851.0	3.0	150.0				QL=4 ST=2 TYP=8	
610	SVTO	48 C	0848.0	0852.0	5.0	5800.0				QL=4 ST=2 TYP=8	
2840	PEKG	3 S	0849.0	0852.4	13.0	14.9					
204	IZMI	42 SER	0850.6	0901.4	19.1	18.0					
410	LEAR	49 GB	0851.0	0852.0	2.0	730.0				QL=4 ST=2 TYP=6	
610	LEAR	49 GB	0851.0	0852.0	2.0	4400.0				QL=4 ST=2 TYP=6	
410	SVTO	8 S	0851.0	0852.0	2.0	260.0				QL=4 ST=2 TYP=3	
600	GORK	4 S/F	0851.0	0852.6	3.6	1000.0					
900	GORK	4 S/F	0851.5	0852.6	2.0	22.0					
3000	IZMI	22 GRF	0851.7	0852.5	4.5	22.0		6.0			
33	UPIC	42 SER	0852.0	0949.0	114.0						
600	GORK	40 F	0903.5	0907.5	5.3	20.0					
900	GORK	40 F	0903.7	0907.2	5.0	11.0					
410	LEAR	4 S/F	0904.0	0907.0	4.0	420.0				QL=4 ST=2 TYP=3	
610	LEAR	4 S/F	0904.0	0907.0	4.0	110.0				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 01

SEPTEMBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
25	410	SVTO	4 S/F	0904.0	0907.0	4.0	270.0			QL=4 ST=2 TYP=3
	610	SVTO	4 S/F	0904.0	0907.0	4.0	140.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0915.6	0915.8	0.7	7.1			
	127	TORN	4 S/F	0922.2	0923.1	1.5	520.0	100.0		
	600	GORK	4 S/F	0950.5	0951.4	2.0	14.5			
	900	GORK	46 C	1010.8	1022.4		56.0			
	900	GORK	46 C	1010.8	1020.4	23.2	50.0			
	900	GORK	46 C	1010.8	1029.5		110.0			
	410	SVTO	4 S/F	1013.0	1013.0	3.0	130.0			QL=4 ST=2 TYP=3
	410	SVTO	48 C	1019.0	1021.0	10.0	210.0			QL=4 ST=2 TYP=8
	610	SVTO	49 GB	1019.0	1020.0	13.0	1800.0			QL=4 ST=2 TYP=6
	4995	SVTO	4 S/F	1019.0	1022.0	821.0	110.0			QL=4 ST=1 TYP=3
	8800	SVTO	4 S/F	1019.0	1022.0	821.0	97.0			QL=4 ST=1 TYP=3
	600	GORK	4 S/F	1019.3	1033.2	13.9	250.0			
	3000	IZMI	46 C	1019.7	1021.9	23.2	68.0			
	204	IZMI	46 C	1019.8	1023.2	13.4	137.0			
	9100	GORK	46 C	1019.8	1029.4		70.0			
	9100	GORK	46 C	1019.8	1022.5	17.1	77.0			
	245	SVTO	48 C	1020.0	1020.0	7.0	160.0			QL=4 ST=2 TYP=8
	1415	SVTO	48 C	1020.0	1024.0	4.0	63.0			QL=4 ST=2 TYP=8
	8800	SVTO	48 C	1020.0	1022.0	12.0	97.0			QL=4 ST=2 TYP=8
	15400	SVTO	48 C	1020.0	1022.0	12.0	67.0			QL=4 ST=2 TYP=8
	2695	SVTO	4 S/F	1020.0	1022.0	820.0	48.0			QL=4 ST=1 TYP=3
	33	UPIC	48 C	1020.0	1022.5	12.0				
	4995	SVTO	4 S/F	1026.0	1029.0	5.0	110.0			QL=4 ST=2 TYP=3
	2695	SVTO	46 C	1027.0	1029.0	2.0	38.0			QL=4 ST=2 TYP=8
	204	IZMI	41 F	1112.5	1113.1	1.4	12.0			
	204	IZMI	42 SER	1115.9	1116.8	1.1	14.0			
	204	IZMI	42 SER	1148.5	1148.6	0.4	20.0			
	33	UPIC	42 SER	1314.0	1352.5	151.0				
	245	SGMR	8 S	1352.0	1352.0	U	140.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1352.0	1352.0	1.0	65.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1352.0	1352.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1352.0	1352.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1400.0	1400.0	U	40.0			QL=4 ST=2 TYP=3
	610	SGMR	48 C	1401.0	1403.0	5.0	540.0			QL=4 ST=2 TYP=8
	410	SGMR	8 S	1402.0	1403.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	SVTO	49 GB	1402.0	1403.0	4.0	560.0			QL=2 ST=2 TYP=6
	2800	PENT	1 S	1542.0	1544.0	4.0	10.0			
	610	SGMR	8 S	1544.0	1544.0	1.0	2300.0			QL=4 ST=2 TYP=3
	610	SVTO	49 GB	1544.0	1544.0	U	2100.0			QL=4 ST=2 TYP=6
	245	SGMR	8 S	1630.0	1630.0	U	64.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1630.0	1630.0	U	40.0			QL=4 ST=2 TYP=3
	6700	CUBA	4 S/F	1708.0	1712.8	11.0	365.0	182.0		15L
	610	PALE	49 GB	1711.0	1712.0	5.0	5800.0			QL=4 ST=2 TYP=6
245	PALE	49 GB	1712.0	1712.0	3.0	4900.0			QL=4 ST=2 TYP=6	
410	PALE	49 GB	1712.0	1713.0	3.0	3200.0			QL=4 ST=2 TYP=6	
1415	PALE	8 S	1712.0	1713.0	2.0	100.0			QL=4 ST=2 TYP=3	
2695	PALE	8 S	1712.0	1713.0	2.0	260.0			QL=4 ST=2 TYP=3	
4995	PALE	4 S/F	1712.0	1713.0	5.0	230.0			QL=4 ST=2 TYP=3	
8800	PALE	8 S	1713.0	1713.0	1.0	71.0			QL=4 ST=2 TYP=3	
410	SGMR	4 S/F	1933.0	1938.0	6.0	45.0			QL=4 ST=2 TYP=3	
610	PALE	4 S/F	1936.0	1937.0	8.0	240.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1936.0	1937.0	1.0	180.0			QL=4 ST=2 TYP=3	
410	SGMR	48 C	1942.0	1959.0	28.0	180.0			QL=4 ST=2 TYP=8	
2800	PENT	1 S	2341.0	2343.0	4.0	6.0				
245	PALE	49 GB	2342.0	2343.0	1.0	990.0			QL=4 ST=3 TYP=6	
245	LEAR	49 GB	2343.0	2343.0	U	650.0			QL=4 ST=2 TYP=6	
2804	VORO	8 S	2343.0	2343.2	0.6	6.9				
26	127	TORN	44 NS	0830.0E		250.0D		1.0		V=1
	235	CUBA	44 NS	1300.0E		510.0D		8.0		
	280	CUBA	44 NS	1300.0E		510.0D		13.0		
	2840	PEKG	20 GRF	0057.0	0106.8	31.0	27.2			
	2804	VORO	46 C	0101.9	0106.8	38.0	18.8			
	4995	PALE	20 GRF	0104.0	0115.0	20.0	63.0			QL=4 ST=3 TYP=2
	8800	PALE	20 GRF	0105.0	0114.0	12.0	69.0			QL=4 ST=3 TYP=2
	610	LEAR	4 S/F	0251.0	0254.0	8.0	79.0			QL=4 ST=3 TYP=3
	2840	PEKG	45 C	0251.0	0255.9	20.0	100.9			

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
26	245	LEAR	4 S/F	0252.0	0253.0	7.0	81.0			QL=4 ST=3 TYP=3	
	410	LEAR	4 S/F	0252.0	0255.0	7.0	67.0			QL=4 ST=3 TYP=3	
	4995	LEAR	4 S/F	0252.0	0256.0	7.0	150.0			QL=4 ST=3 TYP=3	
	1415	LEAR	4 S/F	0253.0	0256.0	6.0	31.0			QL=4 ST=3 TYP=3	
	2695	LEAR	4 S/F	0253.0	0256.0	4.0	74.0			QL=4 ST=3 TYP=3	
	8800	LEAR	4 S/F	0253.0	0256.0	6.0	120.0			QL=4 ST=3 TYP=3	
	2804	VORO	41 F	0253.3	0256.1	4.4	87.4				
	2804	VORO	41 F	0253.3	0302.5	9.2	44.8				
	500	HIRA	7 C	0254.0	0256.0	8.0	145.0				WL
	410	LEAR	8 S	0254.0	0255.0	2.0	66.0				QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0254.0	0256.0	2.0	33.0				QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0254.0	0255.0	2.0	74.0				QL=4 ST=2 TYP=3
	610	LEAR	4 S/F	0254.0	0254.0	3.0	79.0				QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0254.0	0256.0	3.0	160.0				QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0254.0	0256.0	3.0	130.0				QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0254.0	0256.0	5.0	49.0				QL=4 ST=3 TYP=3
	410	PALE	8 S	0254.0	0256.0	2.0	110.0				QL=4 ST=2 TYP=3
	610	PALE	8 S	0254.0	0255.0	1.0	55.0				QL=4 ST=2 TYP=3
	1415	PALE	8 S	0254.0	0256.0	2.0	36.0				QL=4 ST=2 TYP=3
	2695	PALE	8 S	0254.0	0255.0	2.0	81.0				QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0254.0	0256.0	3.0	170.0				QL=4 ST=2 TYP=3
	2800	HIRA	7 C	0254.0	0256.0	12.0	85.0				0
	15400	LEAR	8 S	0255.0	0256.0	2.0	53.0				QL=4 ST=2 TYP=3
	8800	PALE	8 S	0255.0	0256.0	1.0	100.0				QL=4 ST=2 TYP=3
	245	LEAR	4 S/F	0259.0	0302.0	3.0	99.0				QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0300.0	0302.0	6.0	40.0				QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0300.0	0302.0	6.0	42.0				QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0301.0	0302.0	3.0	22.0				QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	0301.0	0302.0	4.0	74.0				QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0301.0	0302.0	5.0	64.0				QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0301.0	0302.0	5.0	48.0				QL=4 ST=2 TYP=3
	15400	PALE	4 S/F	0301.0	0303.0	5.0	99.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0302.0	0302.0	U	100.0				QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0302.0	0302.0	1.0	12.0				QL=4 ST=2 TYP=3
	2804	VORO	40 F	0348.7	0348.9	0.8	9.1				
	500	HIRA	8 S	0349.0	0349.0	1.0	30.0				ML
	2840	PEKG	5 S	0401.0	0404.1	6.0	10.6				
	2804	VORO	2 S/F	0403.2	0404.0	1.9	11.4				
	600	GORK	4 S/F	0451.2	0451.7	1.8	20.0				
	600	GORK	2 S/F	0544.7	0545.0	0.6	10.0				
	610	LEAR	8 S	0559.0	0600.0	1.0	59.0				QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0614.0	0617.0	5.0	13.9				
	2950	GORK	2 S/F	0616.7	0617.0	0.6	7.8				
	600	GORK	46 C	0620.5	0623.6		19.0				
	600	GORK	46 C	0620.5	0621.7	3.7	6.6				
204	IZMI	41 F	0705.0	0705.0	0.4	106.0					
204	IZMI	42 SER	0707.8	0708.2	1.0	10.0					
2840	PEKG	1 S	0716.0	0718.2	4.0	7.6					
2950	GORK	1 S	0717.6	0718.3	1.3	6.7					
9100	GORK	1 S	0717.7	0718.3	1.0	22.0					
204	IZMI	45 C	0717.8	0717.9	0.3	90.0					
8800	SVTO	8 S	0718.0	0718.0	U	27.0				QL=4 ST=2 TYP=3	
410	SVTO	8 S	0719.0	0719.0	U	66.0				QL=4 ST=2 TYP=3	
245	SVTO	8 S	0720.0	0720.0	1.0	60.0				QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0720.2	0721.4	1.4	37.0					
600	GORK	4 S/F	0802.6	0803.4	1.7	13.0					
204	IZMI	42 SER	0814.3	0814.8	0.9	9.0					
2840	PEKG	3 S	0818.0	0824.6	10.0	15.2					
9100	GORK	2 S/F	0823.0	0824.5	3.0	19.0					
3000	IZMI	5 S	0824.1	0824.7	1.1	12.0	5.0				
2840	PEKG	5 S	0833.0	0837.7	9.0	16.9					
2950	GORK	46 C	0835.7	0837.0	3.8	8.9					
2950	GORK	46 C	0835.7	0838.0		16.0					
9100	GORK	2 S/F	0836.3	0837.9	3.0	13.0					
3000	IZMI	22 GRF	0836.6	0838.0	2.0	23.0	10.0				
204	IZMI	42 SER	0849.7	0851.6	2.1	25.0					
204	IZMI	41 F	0857.8	0857.8	0.1	74.0					
600	GORK	40 F	0927.6	0931.0	4.4	14.0					
204	IZMI	42 SER	0937.1	0937.8	2.5	75.0					

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Sep 01

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density (10 ⁻²² W/m ² Hz)		Int	Remarks
							Peak	Mean		
26	204	IZMI	41 F	0942.1	0942.3	0.4	97.0			
	9100	GORK	1 S	0948.2	0950.4	2.4	6.5			
	600	GORK	40 F	1018.0	1018.3	4.0	10.0			
	245	SVTO	8 S	1021.0	1021.0	U	590.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1021.0	1021.0	U	170.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	1021.0	1021.1	0.5	252.0			
	9100	GORK	3 S	1050.5	1050.6	0.3	28.0			
	2950	GORK	2 S/F	1052.7	1054.8	4.3	8.8			
	9100	GORK	1 S	1053.6	1054.7	1.5	9.0			
	33	UPIC	3 S	1103.0	1103.5	1.0				
	2800	PENT	24 R	1454.0	1609.0	98.0U	22.0			
	2800	PENT	24 R	1753.0	1931.0	99.0U	7.0			
	27	245	PALE	43 NS	0108.0	0109.0	1372.0	72.0		
245		LEAR	43 NS	0126.0	0546.0	517.0	200.0			QL=4 ST=2 TYP=1
245		SVTO	43 NS	0500.0	0657.0	363.0	260.0			QL=2 ST=3 TYP=1
245		SVTO	43 NS	0500.0	0657.0	474.0	260.0			QL=2 ST=3 TYP=1
204		IZMI	43 NS	0600.0		360.0D		130.0		
127		TORN	44 NS	0630.0E		410.0D		240.0		V=1
235		CUBA	44 NS	1400.0E		240.0D		6.0		
280		CUBA	44 NS	1400.0E		240.0D		13.0		
245		LEAR	8 S	0123.0	0123.0	U	73.0			QL=4 ST=2 TYP=3
2840		PEKG	3 S	0414.0	0424.6	24.0	66.6			
9100		GORK	3 S	0421.7	0423.5	3.8	140.0			
2800		HIRA	3 S	0422.0	0425.0	7.0	55.0			0
2950		GORK	4 S/F	0422.0U	0424.6	5.5D	42.0			
2695		LEAR	8 S	0423.0	0424.0	2.0	42.0			QL=4 ST=2 TYP=3
4995		LEAR	4 S/F	0423.0	0424.0	4.0	71.0			QL=4 ST=2 TYP=3
8800		LEAR	8 S	0424.0	0424.0	U	34.0			QL=4 ST=2 TYP=3
900		GORK	3 S	0428.5	0428.8	0.7	16.0			
9100		GORK	46 C	0430.0	0432.1		190.0			
9100		GORK	46 C	0430.0	0430.6	2.7	14.0			
2840		PEKG	5 S	0524.0	0527.2	6.0	14.0			
245		SVTO	8 S	0544.0	0544.0	1.0	44.0			QL=2 ST=3 TYP=3
410		SVTO	8 S	0544.0	0545.0	1.0	230.0			QL=2 ST=3 TYP=3
9100		GORK	2 S/F	0704.1	0704.8	1.8	24.0			
9100		GORK	1 S	0715.2	0715.6	2.0	5.5			
2840		PEKG	3 S	0754.0	0802.8	16.0	51.7			
900		GORK	8 S	0759.1	0759.2	0.2	32.0			
2950		GORK	46 C	0801.8	0802.7	2.7	41.0U			
2950		GORK	46 C	0801.8	0803.8		15.0U			
3000		IZMI	7 C	0801.8	0802.8	2.4	51.0	20.0		
2695		LEAR	8 S	0802.0	0802.0	1.0	40.0			QL=4 ST=2 TYP=3
4995		LEAR	8 S	0802.0	0802.0	2.0	85.0			QL=4 ST=2 TYP=3
8800		LEAR	8 S	0802.0	0802.0	1.0	50.0			QL=4 ST=2 TYP=3
9100		GORK	46 C	0802.1	0802.6	2.8	53.0			
9100	GORK	46 C	0802.1	0803.8		22.0				
33	UPIC	42 SER	0802.5	0803.5	66.0					
2695	SVTO	8 S	0803.0	0803.0	U	27.0			QL=4 ST=2 TYP=3	
4995	SVTO	8 S	0803.0	0803.0	1.0	54.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	0803.0	0803.0	1.0	51.0			QL=4 ST=2 TYP=3	
600	GORK	20 GRF	0810.0	0817.5	14.7	9.0				
245	SVTO	8 S	0812.0	0812.0	1.0	130.0			QL=2 ST=2 TYP=3	
9100	GORK	1 S	1008.6	1008.8	0.5	6.9				
9100	GORK	1 S	1028.3	1028.6	1.0	17.0				
245	SGMR	8 S	1055.0	1055.0	1.0	54.0			QL=2 ST=2 TYP=3	
245	SGMR	8 S	1136.0	1136.0	U	78.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1136.0	1136.0	U	69.0			QL=4 ST=2 TYP=3	
2800	PENT	41 F	2040.0	2046.0	33.0	6.0				
2804	VORO	40 F	2358.6	2403.6	6.3	7.6				
28	127	TORN	44 NS	0840.0E		380.0D		710.0		V=1, DISTURBED
	204	IZMI	43 NS	0850.0		190.0D		30.0		
	245	SVTO	43 NS	1047.0	1049.0U	22.0	96.0			QL=2 ST=2 TYP=1
	235	CUBA	44 NS	1500.0E		410.0D		11.0		
	280	CUBA	44 NS	1500.0E		410.0D		20.0		
	245	PALE	43 NS	2224.0	2358.0	187.0	120.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2224.0	2312.0	341.0	120.0			QL=4 ST=2 TYP=1
2840	PEKG	1 S	0000.0	0003.5	5.0	9.4				

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak	Mean		
							(10 -22 W/m 2 Hz)			
28	2840	PEKG	3 S	0200.0	0203.2	10.0	50.8			
	2800	HIRA	3 S	0201.0	0203.0	4.0	45.0		0	
	8800	LEAR	4 S/F	0201.0	0203.0	4.0	120.0		QL=4 ST=2 TYP=3	
	2804	VORO	2 S/F	0201.8	0203.3	4.4	34.7			
	15400	LEAR	8 S	0202.0	0203.0	1.0	52.0		QL=4 ST=2 TYP=3	
	4995	LEAR	4 S/F	0202.0	0203.0	3.0	120.0		QL=4 ST=2 TYP=3	
	4995	PALE	8 S	0202.0	0203.0	2.0	130.0		QL=4 ST=2 TYP=3	
	8800	PALE	8 S	0203.0	0203.0	U	83.0		QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0335.0	0335.0	U	220.0		QL=4 ST=2 TYP=3	
	2840	PEKG	5 S	0420.0	0422.4	4.0	41.1			
	2804	VORO	8 S	0422.1	0422.4	0.6	21.9			
	9100	GORK	28 PRE	0455.7	0456.1	1.3	7.0			
	9100	GORK	4 S/F	0457.0	0457.5	1.2	35.0			
	245	LEAR	8 S	0528.0	0528.0	U	68.0		QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0528.0	0528.0	U	57.0		QL=4 ST=2 TYP=3	
	410	SVTO	8 S	0637.0	0637.0	U	54.0		QL=4 ST=2 TYP=3	
	600	GORK	41 F	0642.5	0643.1	7.1	40.0			
	600	GORK	41 F	0642.5	0649.2	7.7	12.0			
	2950	GORK	1 S	0658.4	0701.1	6.0	3.4			
	9100	GORK	2 S/F	0709.7	0710.8	2.3	10.0			
	600	GORK	40 F	0721.2	0833.3	221.6	700.0			
	9100	GORK	1 S	0725.7	0727.8	3.5	7.0			
	2840	PEKG	3 S	0805.0	0819.3	52.0	174.4			
	9100	GORK	23 GRF	0810.5	0944.5		85.0			
	9100	GORK	23 GRF	0810.5	0835.6	229.5D	80.0			
	3000	IZMI	46 C	0810.6	0819.1	32.6	177.0	66.0		
	900	GORK	40 F	0810.7	0957.7	170.1	720.0			
	2695	LEAR	4 S/F	0811.0	0819.0	67.0	180.0		QL=4 ST=2 TYP=3	
	410	LEAR	48 C	0812.0	0833.0	66.0	1400.0		QL=4 ST=2 TYP=8	
	1415	LEAR	4 S/F	0812.0	0813.0	66.0	150.0		QL=4 ST=2 TYP=3	
	1415	SVTO	48 C	0812.0	1003.0	129.0	1100.0		QL=4 ST=2 TYP=8	
	2695	SVTO	20 GRF	0812.0	0819.0	141.0	150.0		QL=4 ST=2 TYP=2	
	4995	SVTO	20 GRF	0812.0	0951.0	154.0	200.0		QL=4 ST=2 TYP=2	
	204	IZMI	42 SER	0812.0	0813.7	6.4	42.0			
	2950	GORK	46 C	0812.4	0852.1		150.0			
	2950	GORK	46 C	0812.4	0819.1	227.6	150.0			
	2950	GORK	46 C	0812.4	0835.7		90.0			
	8800	LEAR	20 GRF	0813.0	0835.0	62.0	89.0		QL=4 ST=2 TYP=2	
	8800	SVTO	20 GRF	0813.0	0951.0	140.0	140.0		QL=4 ST=2 TYP=2	
	245	LEAR	48 C	0814.0	0834.0	64.0	2300.0		QL=4 ST=2 TYP=8	
	610	LEAR	48 C	0817.0	0833.0	61.0	510.0		QL=4 ST=2 TYP=8	
	15400	SVTO	20 GRF	0817.0	0947.0	136.0	76.0		QL=4 ST=2 TYP=2	
	15400	LEAR	20 GRF	0818.0	0840.0	60.0	62.0		QL=4 ST=2 TYP=2	
	204	IZMI	42 SER	0820.3	0822.0	6.1	65.0			
	410	SVTO	48 C	0821.0	0833.0	137.0	2400.0		QL=4 ST=2 TYP=8	
	610	SVTO	48 C	0826.0	0943.0	120.0	720.0		QL=4 ST=2 TYP=8	
	204	IZMI	46 C	0829.4	0837.8	17.5	614.0			
	33	UPIC	48 C	0830.0	0835.5	11.5				
	245	SVTO	48 C	0831.0	1001.0	136.0	3800.0		QL=4 ST=2 TYP=8	
	9100	GORK	46 C	0904.3	0922.0	38.5	67.0			
9100	GORK	46 C	0904.3	0931.2		44.0				
410	LEAR	48 C	0921.0E	1004.0	43.0D	1400.0		QL=4 ST=2 TYP=8		
2840	PEKG	3 S	0928.0	0938.9	11.0D	132.2				
3000	IZMI	46 C	0930.7	0952.1	55.2	114.0	50.0			
204	IZMI	46 C	0933.3	1008.0	108.7	605.0				
1415	LEAR	48 C	0935.0E	1004.0	29.0D	1000.0		QL=4 ST=2 TYP=8		
4995	LEAR	48 C	0935.0E	1003.0	29.0D	220.0		QL=4 ST=2 TYP=8		
610	LEAR	48 C	0936.0E	0943.0	28.0D	590.0		QL=4 ST=2 TYP=8		
8800	LEAR	48 C	0937.0E	0951.0	27.0D	120.0		QL=2 ST=2 TYP=8		
15400	LEAR	48 C	0938.0E	0944.0	26.0D	86.0		QL=2 ST=2 TYP=8		
2695	LEAR	48 C	0941.0E	1002.0	23.0D	240.0		QL=4 ST=2 TYP=8		
245	LEAR	48 C	0942.0E	1004.0	22.0D	6000.0		QL=4 ST=2 TYP=8		
127	TORN	49 GB	0942.0	0944.2	79.0U	6800.0	1800.0			
33	UPIC	41 F	1005.0	1014.5	66.5					
600	GORK	4 S/F	1105.4	1110.1	14.2	43.0				
900	GORK	40 F	1106.5	1109.1	9.0	95.0				
600	GORK	20 GRF	1125.2	1134.7	17.9	23.0				
245	SGMR	8 S	1410.0	1410.0	U	82.0		QL=4 ST=2 TYP=3		
245	SVTO	8 S	1410.0	1410.0	1.0	62.0		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 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
28	2800	PENT	41 F	1455.0	1522.0	97.0U	28.0			
	2800	PENT	29 PBI	1758.0	1821.0	94.0U	22.0			
	410	PALE	4 S/F	1815.0	1815.0	4.0	110.0		QL=4	ST=2 TYP=3
		SGMR	48 C	1815.0	1815.0	4.0	85.0		QL=4	ST=2 TYP=8
	610	PALE	8 S	1818.0	1818.0	U	35.0		QL=4	ST=2 TYP=3
		SGMR	46 C	1818.0	1818.0	U	32.0		QL=4	ST=2 TYP=8
	245	PALE	48 C	2017.0	2020.0	4.0	110.0		QL=4	ST=3 TYP=8
		SGMR	8 S	2019.0	2019.0	2.0	92.0		QL=4	ST=2 TYP=3
	2800	PENT	45 C	2103.0	2117.0	85.0	52.0			
	4995	PALE	8 S	2109.0	2110.0	2.0	59.0		QL=4	ST=2 TYP=3
	2695	PALE	8 S	2110.0	2110.0	1.0	50.0		QL=4	ST=2 TYP=3
	410	PALE	8 S	2123.0	2124.0	1.0	150.0		QL=4	ST=2 TYP=3
		SGMR	8 S	2123.0	2123.0	U	100.0		QL=4	ST=3 TYP=3
	245	PALE	8 S	2124.0	2124.0	1.0	74.0		QL=4	ST=2 TYP=3
		LEAR	8 S	2229.0	2229.0	1.0	28.0		QL=2	ST=2 TYP=3
	4995	LEAR	8 S	2229.0	2229.0	1.0	56.0		QL=2	ST=2 TYP=3
		LEAR	8 S	2229.0	2229.0	1.0	24.0		QL=2	ST=2 TYP=3
	410	LEAR	8 S	2246.0	2246.0	U	56.0		QL=4	ST=2 TYP=3
	1415	LEAR	8 S	2310.0	2312.0	2.0	78.0		QL=4	ST=2 TYP=3
	2804	VORO	21 GRF	2336.1	2357.1	50.0	7.2			
2840	PEKG	3 S	2351.1	2356.5	10.0	10.4				
2804	VORO	1 S	2355.0	2356.1	1.6	8.2				
29	204	IZMI	44 NS	0600.0E		360.0D		20.0		
	235	CUBA	44 NS	1305.0E		195.0D		10.0		
		CUBA	44 NS	1305.0E		195.0D		17.0		
	2840	PEKG	1 S	0249.0	0252.7	7.0	7.9			
	9100	GORK	45 C	0450.8	0452.2	5.3	7.1			
		GORK	45 C	0450.8	0455.4		8.9			
	2804	VORO	1 S	0551.8	0552.8	2.4	3.9			
	2840	PEKG	5 S	0609.0	0610.4	6.0	15.7			
		GORK	40 F	0609.8	0610.3	4.6	10.0			
	2840	PEKG	20 GRF	0616.0	0620.5	13.0	12.2			
	2950	GORK	2 S/F	0618.4	0620.0	7.9	12.0			
		3000	IZMI	22 GRF	0619.6	0620.6	4.3	16.0	5.0	
	2840	PEKG	20 GRF	0646.0	0650.5	19.0	15.2			
	3000	IZMI	22 GRF	0647.6	0650.5	4.4	27.0	12.0		
		GORK	45 C	0648.4	0651.3		9.8			
	2950	GORK	45 C	0648.4	0650.5	5.2	14.0			
		2840	PEKG	3 S	0723.0	0727.3	13.0	21.4		
	2950	GORK	4 S/F	0724.6	0727.3	5.4	17.0			
		9100	GORK	20 GRF	0725.5	0728.0	9.0	9.0		
	3000	IZMI	22 GRF	0726.1	0727.3	4.0	23.0	8.0		
		2840	PEKG	1 S	0806.0	0808.4	8.0	6.8		
	204	IZMI	7 C	0810.7	0810.8	0.2	123.0			
	33	UPIC	41 F	1032.0	1045.0	58.0				UNCERTN
	9100	GORK	24 R	1039.0	1054.0	15.0D	17.0			
	410	SVTO	48 C	1040.0	1046.0	9.0	380.0		QL=4	ST=2 TYP=8
	900	GORK	45 C	1044.4	1048.0	11.1	18.0			
	900	GORK	45 C	1044.4	1051.3		19.0			
	600	GORK	45 C	1045.6	1048.1	8.7	9.3			
	600	GORK	45 C	1045.6	1051.4		10.0			
	4995	SVTO	8 S	1049.0	1050.0	2.0	27.0		QL=4	ST=2 TYP=3
	610	SVTO	4 S/F	1049.0	1050.0	3.0	42.0		QL=4	ST=2 TYP=3
	245	SVTO	8 S	1051.0	1051.0	1.0	32.0		QL=4	ST=2 TYP=3
4995	SVTO	8 S	1054.0	1054.0	U	27.0		QL=4	ST=2 TYP=3	
410	SVTO	48 C	1054.0	1101.0	12.0	370.0		QL=4	ST=2 TYP=8	
410	SGMR	48 C	1059.0	1101.0	6.0	100.0		QL=2	ST=2 TYP=8	
410	SGMR	48 C	1059.0	1101.0	6.0	100.0		QL=4	ST=2 TYP=8	
610	SVTO	8 S	1059.0	1059.0	1.0	34.0		QL=4	ST=2 TYP=3	
15400	SVTO	8 S	1059.0	1100.0	1.0	30.0		QL=4	ST=2 TYP=3	
410	SGMR	48 C	1111.0	1112.0	4.0	180.0		QL=2	ST=2 TYP=8	
245	SVTO	4 S/F	1250.0	1301.0	13.0	420.0		QL=4	ST=3 TYP=3	
245	SGMR	8 S	1301.0	1301.0	U	440.0		QL=4	ST=2 TYP=3	
245	SGMR	49 GB	1334.0	1334.0	U	1300.0		QL=4	ST=2 TYP=6	
410	SGMR	8 S	1334.0	1334.0	U	150.0		QL=4	ST=2 TYP=3	
245	SVTO	49 GB	1334.0	1334.0	1.0	1000.0		QL=2	ST=2 TYP=6	
410	SVTO	8 S	1334.0	1334.0	1.0	210.0		QL=4	ST=2 TYP=3	
245	SGMR	8 S	1529.0	1529.0	1.0	1000.0		QL=4	ST=2 TYP=3	

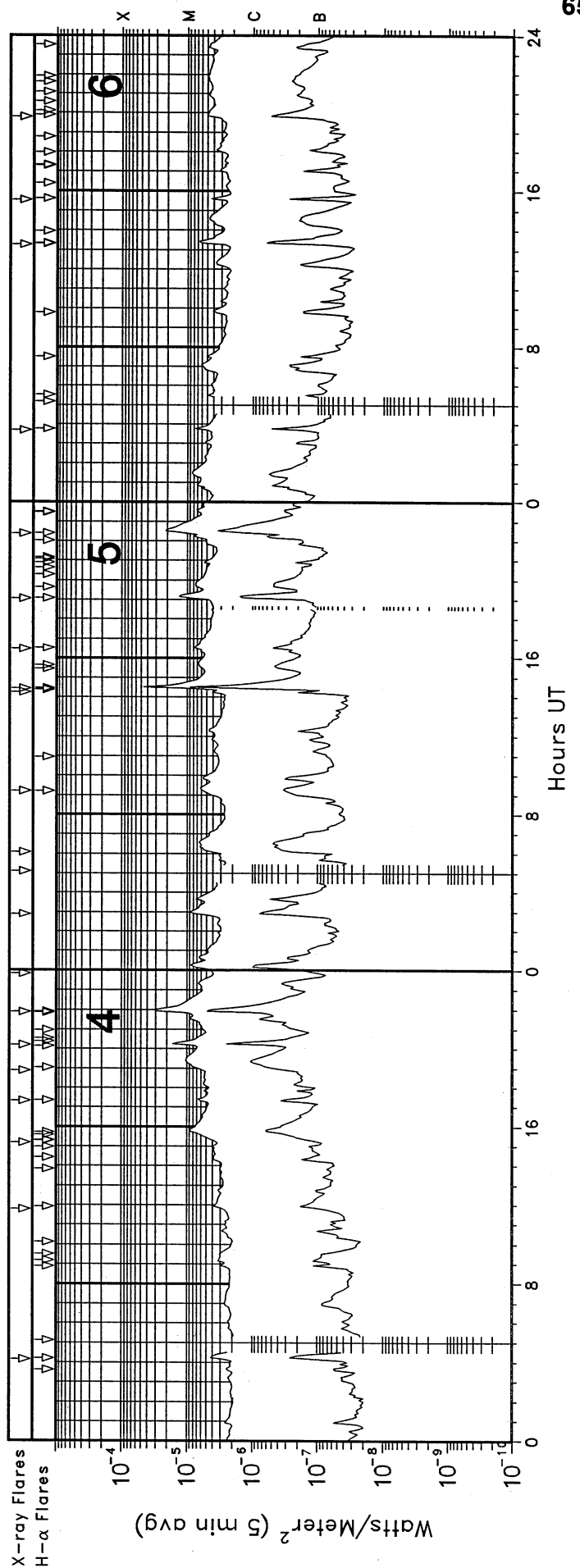
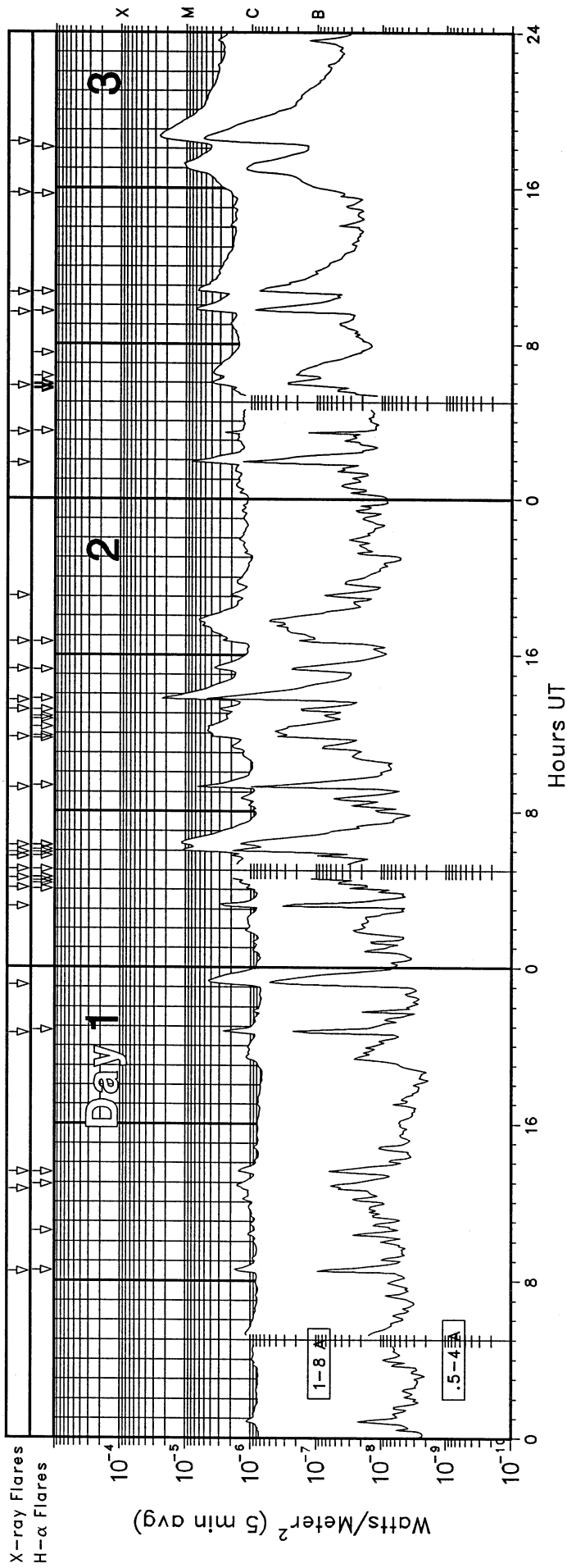
S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

SEPTEMBER 2001

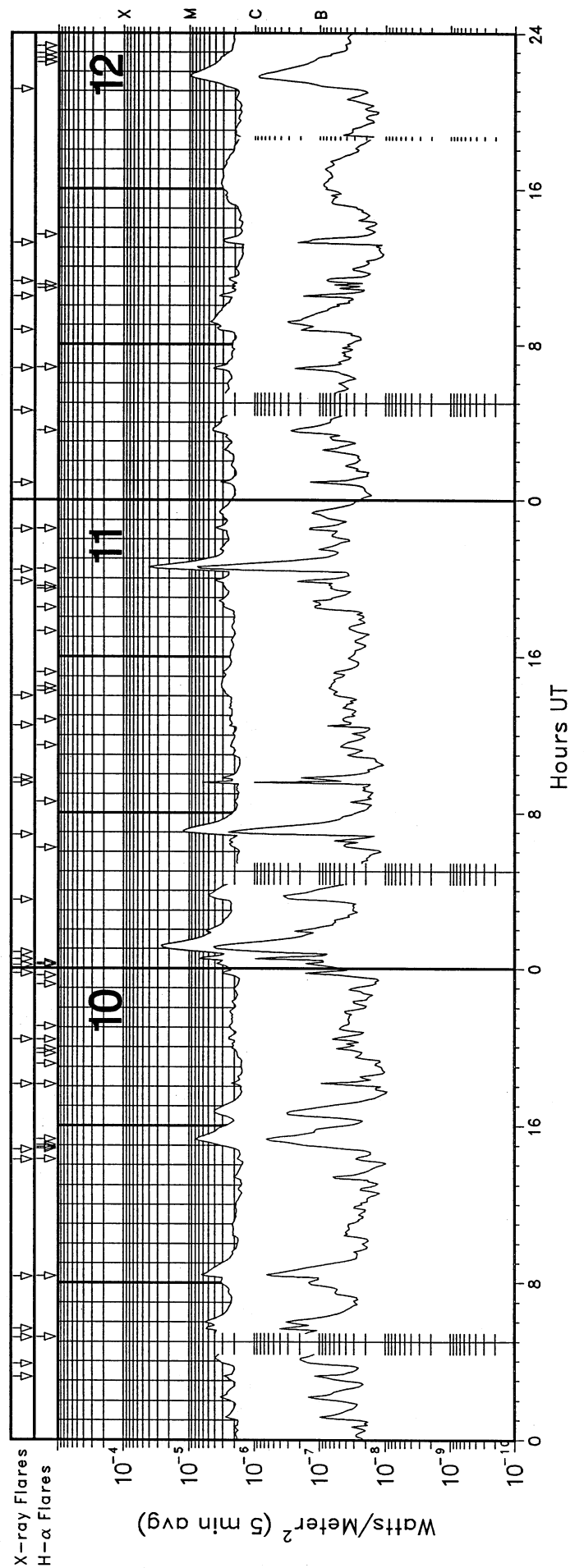
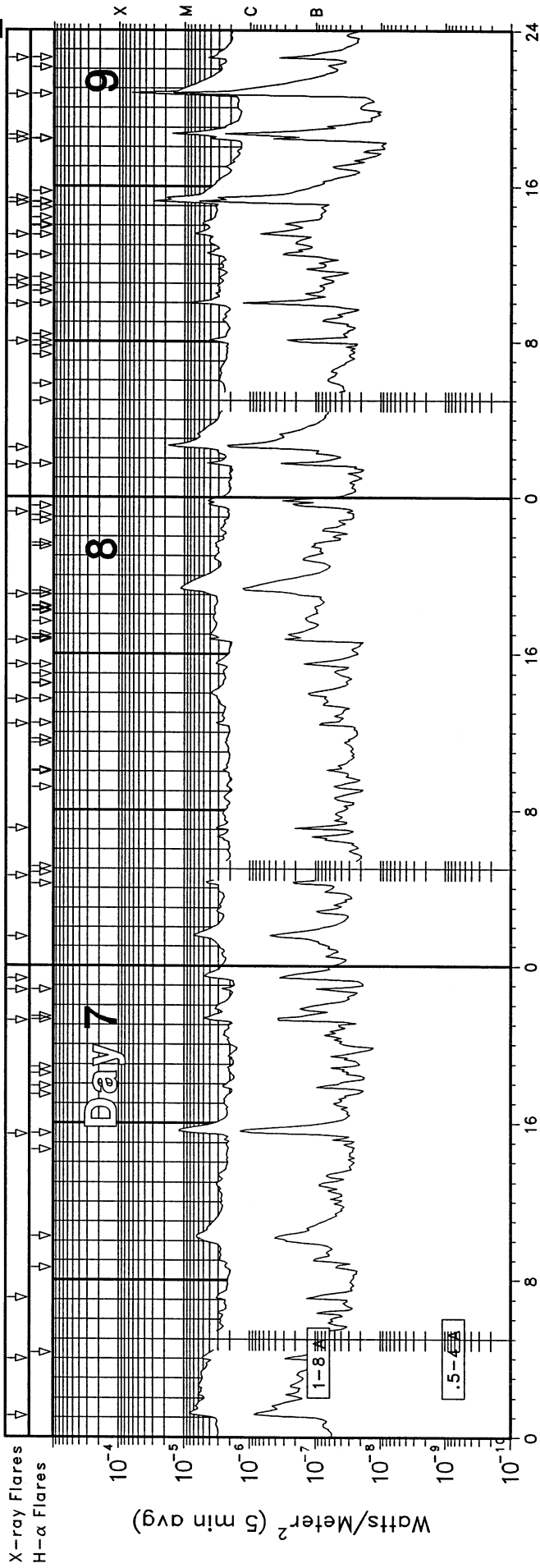
Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
29	410	SGMR	8 S	1529.0	1529.0	1.0	440.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	1529.0	1529.0	1.0	670.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	1529.0	1530.0	1.0	410.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1923.0	1923.0	U	77.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1955.0	1955.0	U	100.0			QL=4 ST=2 TYP=3
30	204	IZMI	44 NS	0600.0E		360.00		15.0		
	127	TORN	43 NS	0840.0		380.0		1.0		V=1,DISTURBED
	245	LEAR	43 NS	0957.0	0957.0	7.0	64.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1310.0E		520.00		10.0		
	280	CUBA	44 NS	1310.0E		520.00		18.0		
	245	SGMR	43 NS	1752.0	1839.0	47.0	92.0			QL=4 ST=3 TYP=1
	2804	VORO	46 C	0338.9	0346.2	18.6	76.4			
	2800	HIRA	7 C	0340.0	0346.0	12.0	65.0			0
	2840	PEKG	45 C	0346.0E	0348.3	11.0U	67.5			
	2840	PEKG	1 S	0501.0	0503.6	6.0	6.0			
	2840	PEKG	3 S	0556.0	0559.4	10.0	10.4			
	9100	GORK	45 C	0558.2	0600.3		9.2			
	9100	GORK	45 C	0558.2	0559.4	2.7	16.0			
	2840	PEKG	1 S	0646.0	0650.6	8.0	4.7			
	204	IZMI	41 F	0648.9	0650.2	1.9	27.0			
	204	IZMI	42 SER	0709.0	0709.2	0.9	24.0			
	9100	GORK	3 S	0746.7	0746.9	0.5	36.0			
	3000	IZMI	22 GRF	0829.9	0831.1	3.0	8.0	3.0		
	9100	GORK	3 S	0835.8	0836.3	0.7	34.0			
	9100	GORK	2 S/F	0842.4	0842.8	0.8	12.0			
	900	GORK	40 F	0901.8	0902.8	2.6	12.0			
	2950	GORK	1 S	0903.5	0903.7	0.8	3.3			
	204	IZMI	25 R	0911.0		79.0		40.0		
	2950	GORK	4 S/F	0940.2	0940.6	0.8	48.0			
	3000	IZMI	7 C	0940.5	0940.6	0.3	55.0	24.0		
	127	TORN	42 SER	0941.5	0942.2	7.0	30.0			
	9100	GORK	2 S/F	0953.0	0953.6	5.1	12.0			
	204	IZMI	42 SER	0958.5	0958.8	0.7	99.0			
	3000	IZMI	22 GRF	1038.7	1040.4	2.2	11.0	6.0		
	410	SVTO	8 S	1050.0	1050.0	U	65.0			QL=4 ST=3 TYP=3
	3000	IZMI	45 C	1133.0	1134.6	3.7	39.0	15.0		
	204	IZMI	7 C	1134.4	1134.5	0.2	82.0			
	204	IZMI	7 C	1143.2	1143.4	0.2	80.0			
	245	SVTO	8 S	1153.0	1153.0	1.0	76.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1233.0	1233.0	1.0	82.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1233.0	1234.0	2.0	76.0			QL=4 ST=2 TYP=3
	33	UPIC	45 C	1234.0	1234.5	2.0				UNCERTN
	245	SVTO	8 S	1238.0	1238.0	1.0	67.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1238.0	1238.0	U	34.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1302.0	1302.0	U	88.0			QL=4 ST=2 TYP=3
245	SVTO	8 S	1302.0	1302.0	U	66.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1644.0	1644.0	U	50.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	1646.0	1647.0	1.0	68.0			QL=4 ST=2 TYP=3	
2695	PALE	8 S	1648.0	1649.0	2.0	65.0			QL=4 ST=2 TYP=3	
1415	PALE	4 S/F	1651.0	1653.0	4.0	43.0			QL=4 ST=2 TYP=3	
2800	PENT	1 S	1740.0	1747.0	19.0	23.0				
1415	PALE	8 S	1745.0	1745.0	U	66.0			QL=4 ST=2 TYP=3	
1415	SGMR	8 S	1745.0	1745.0	U	69.0			QL=4 ST=3 TYP=3	
4995	SGMR	48 C	1746.0	1747.0	3.0	52.0			QL=4 ST=3 TYP=8	
6700	CUBA	2 S/F	1746.8	1748.0	2.7	33.0	16.0		7L	
4995	PALE	4 S/F	1747.0	1747.0	3.0	45.0			QL=4 ST=2 TYP=3	
15400	PALE	8 S	1748.0	1748.0	U	47.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1752.0	1752.0	U	50.0			QL=4 ST=2 TYP=3	
245	SGMR	48 C	1931.0	1931.0	1.0	61.0			QL=4 ST=2 TYP=8	
245	PALE	8 S	1953.0	1954.0	1.0	60.0			QL=4 ST=2 TYP=3	
6700	CUBA	2 S/F	2009.3	2010.5	3.6	31.0	15.0		27L	
6700	CUBA	1 S	2051.6	2053.3	2.2	18.0	9.0		17L	
2800	PENT	40 F	2121.0	2132.0	44.0	19.0				
245	LEAR	8 S	2227.0	2228.0	1.0	210.0			QL=4 ST=2 TYP=3	

GOES X-RAY DETECTOR

September 2001

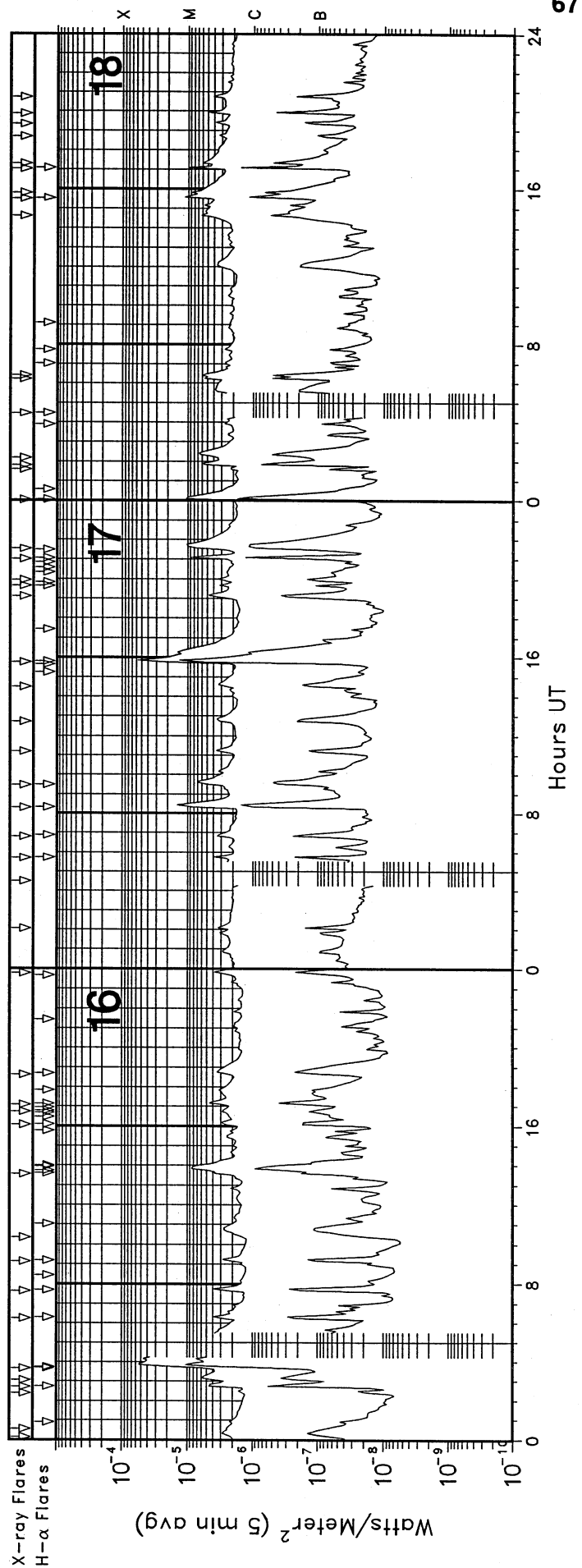
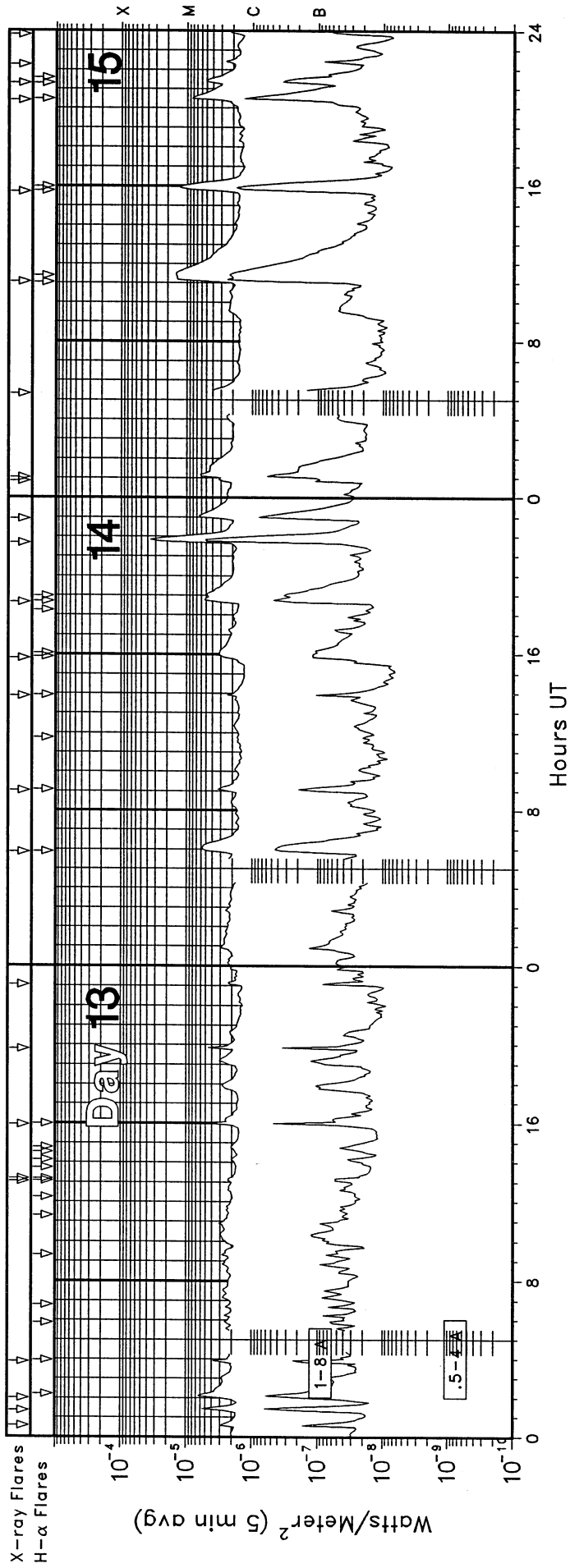


GOES X-RAY DETECTOR September 2001

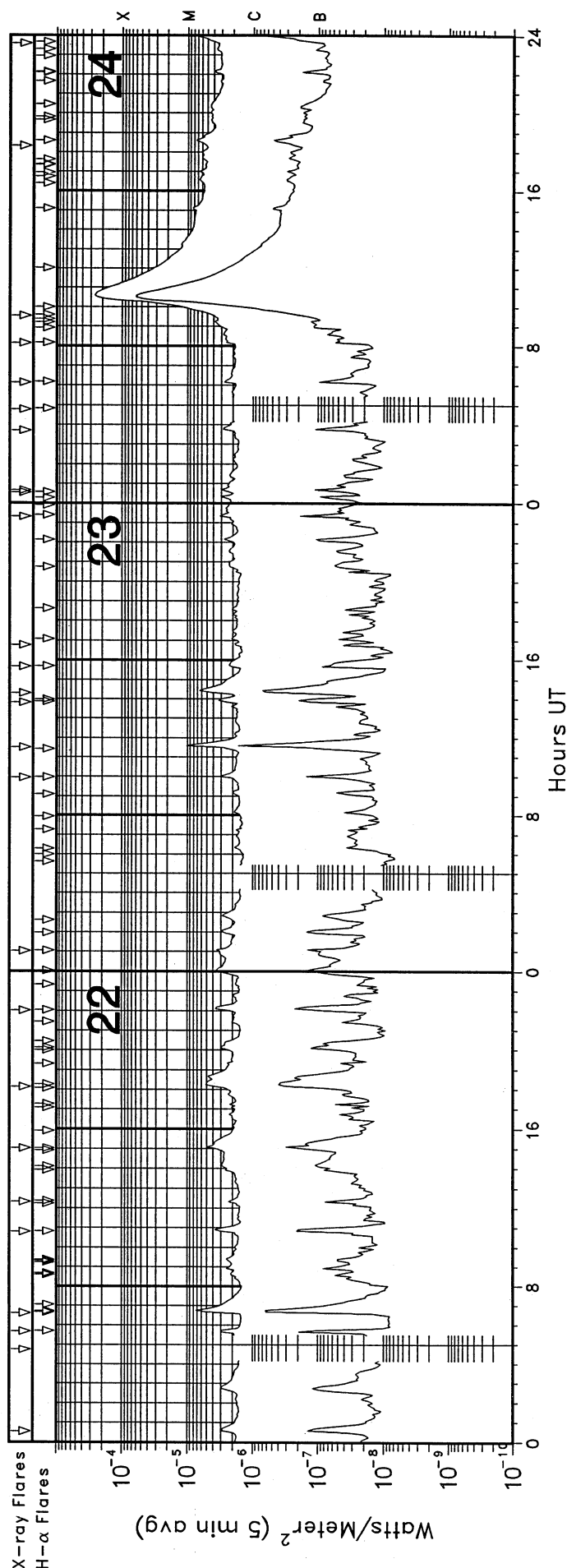
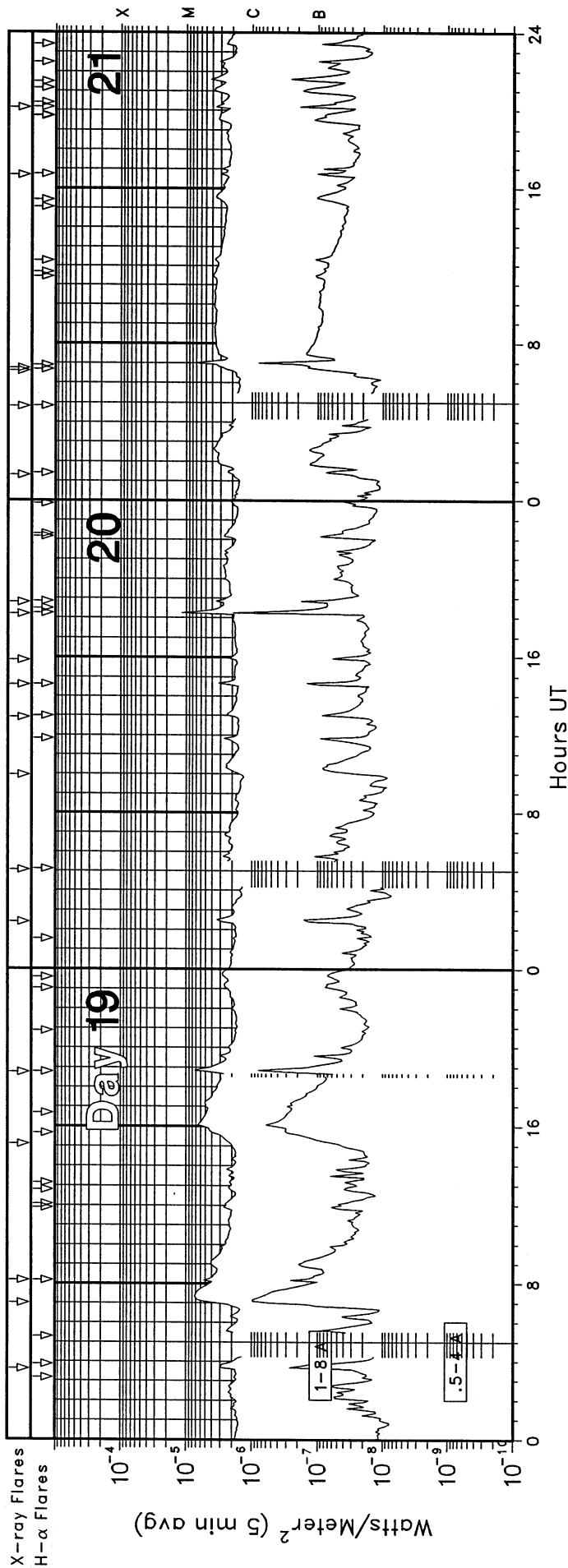


GOES X-RAY DETECTOR

September 2001

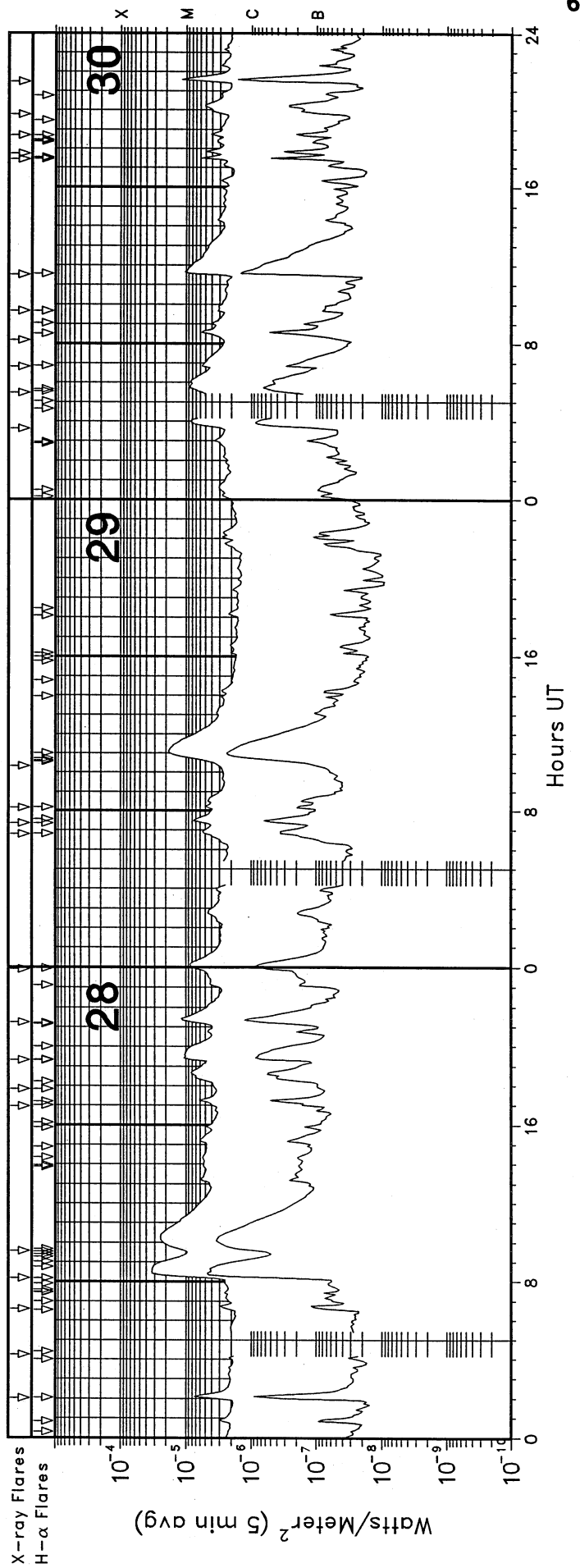
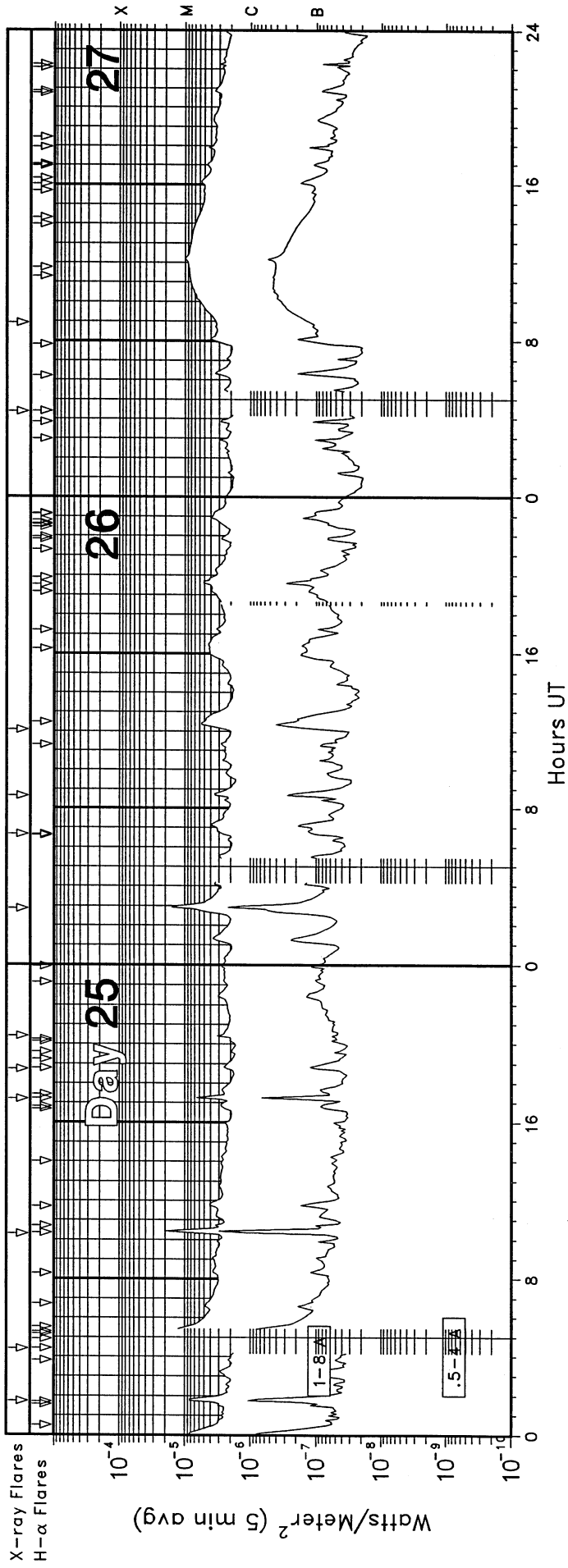


GOES X-RAY DETECTOR September 2001



GOES X-RAY DETECTOR

September 2001



GOES SOLAR X-RAY FLARES
Preliminary Listing

September 2001

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/USAF Region	Flux
01	0828	0834	0842	N13	E30	SF	C1.9	9601	1.3E-03
01	1239	1254	1302	N17	E27	SF	C1.6	9601	2.0E-03
01	1331	1335	1348	N16	E26	SF	C1.5	9601	1.4E-03
01	2039	2047	2052	S19	W54	SF	C2.7	9591	1.6E-03
01	2306	2320	2336				C4.5		5.9E-03
02	0308	0314	0318				C4.5		1.5E-03
02	0405	0408	0411				C1.3		4.3E-04
02	0436	0440	0444	N14	E14	SF	C4.9	9601	1.6E-03
02	0503	0508	0512	S17	W65	SF	C2.7	9591	1.3E-03
02	0542	0546	0550				C2.1		8.7E-04
02	0554	0602	0612	S17	W66	1F	M1.3	9591	8.5E-03
02	0616	0624	0635	N16	E18	SF	M1.1	9601	1.2E-02
02	0912	0917	0921				C8.4		2.7E-03
02	1146	1208	1233	S17	W71	SF	C4.7	9591	1.1E-02
02	1311	1315	1318	N16	E10	SF	C3.3	9601	1.2E-03
02	1341	1348	1354	S21	W65	2N	M3.0	9591	1.3E-02
02	1515	1517	1529	N12	E11	SF	C3.6	9601	8.7E-03
02	1640	1750	1806	S17	W75	SF	C6.4	9591	2.1E-02
02	1902	1906	1915				C2.0		1.5E-03
03	0149	0158	0203				C9.0		4.9E-03
03	0324	0327	0329	N11	E02	SF	C3.4	9601	7.4E-04
03	0549	0602	0712	N13	E05	SF	C4.2	9601	1.6E-02
03	0938	0948	1004	N13	W03	SF	C7.2	9601	8.6E-03
03	1040	1049	1106	N12	E02	SF	C6.8	9601	8.7E-03
03	1545	1716	1737				M1.1	9601	3.8E-02
03	1821	1841	1910				M2.5		6.0E-02
04	0410	0418	0427	N12	W11	SF	C5.0	9601	3.7E-03
04	1148	1156	1215	S17	E52	SF	C3.9	9606	5.5E-03
04	1512	1553	1630	S16	E49	SF	C9.0	9606	3.0E-02
04	1720	1724	1728	S16	E46	SF	C7.4	9606	3.2E-03
04	1853	1925	1937				M1.0		2.3E-02
04	2012	2017	2022	S19	E45	1N	M1.8	9606	8.4E-03
04	2153	2159	2205	N15	W23	1N	M3.7	9601	2.0E-02
04	2350	2416	2439				C8.9		7.5E-03
05	0253	0259	0311				C9.3		8.7E-03
05	0507	0515	0519				C4.2		2.6E-03
05	0605	0636	0655				C6.4		1.7E-02
05	0913	0916	0921	N08	W28	SF	C5.7	9601	2.8E-03
05	1414	1417	1420				C4.5		1.5E-03
05	1425	1432	1434	N15	W31	2B	M6.0	9601	1.6E-02
05	1628	1634	1638	S25	E70	SF	C8.1		4.4E-03
05	1903	1913	1922	S16	E35	1N	M1.3	9606	1.2E-02
05	2223	2233	2246	S25	E67	SF	M2.2	9608	2.3E-02
06	0341	0346	0351				C8.1	9601	4.0E-03
06	1316	1324	1334	S18	E24	SF	C6.7	9605	6.0E-03
06	1532	1536	1543	S16	E45	SF	C4.6	9607	2.5E-03
06	1947	1955	2023	S14	E75	SF	C5.0	9610	9.8E-03
07	0105	0117	0129				C8.2		9.9E-03
07	0359	0402	0412				C5.5		4.0E-03
07	0705	0709	0712				C3.7		1.4E-03
07	1526	1538	1551	N19	W65	1F	M1.2	9601	1.3E-02
07	2113	2120	2133	S14	E64	SF	C5.1	9610	4.8E-03
07	2246	2250	2254	N14	W58	SF	C2.9	9601	1.2E-03
07	2321	2333	2346				C4.9		6.1E-03
08	0130	0135	0145				C7.4		5.8E-03
08	0438	0457	0507	S28	E50	SF	M1.2	9608	1.4E-02
08	0703	0708	0714				C3.4		2.0E-03

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/USAF Region	Flux
08	1225	1229	1234	S17	W64	SF	C3.5	9613	1.7E-03
08	1340	1401	1412	N11	W32	SF	C3.8	9611	6.5E-03
08	1526	1532	1544	S19	W03	SF	C3.3	9606	3.2E-03
08	1640	1645	1649	S23	E32	SF	C5.1	9608	1.9E-03
08	1900	1923	1946				M1.1	9601	2.2E-02
08	2314	2353	2358	S17	E16	SF	C4.6	9607	8.3E-03
09	0139	0145	0151				C5.0	9608	2.6E-03
09	0232	0240	0247	S24	E26	2B	M1.9	9608	1.2E-02
09	0800	0805	0811	S16	E09	SF	C4.5	9607	2.4E-03
09	0955	1001	1006	S31	E30	SF	M1.0	9608	4.4E-03
09	1052	1056	1058	S30	E29	SF	C3.2	9608	1.1E-03
09	1116	1122	1125	S25	E21	SF	C3.0	9608	1.6E-03
09	1229	1235	1241				C4.7		2.9E-03
09	1331	1335	1344	S25	E20	SF	C7.5	9608	4.8E-03
09	1510	1516	1521	S17	E03	1N	M3.4	9607	1.3E-02
09	1523	1526	1528	S32	E22	SN	M2.2	9608	5.7E-03
09	1822	1828	1834				C4.5	9608	2.4E-03
09	1835	1841	1843				M2.0	9608	5.4E-03
09	2040	2045	2048	S31	E26	2N	M9.5	9608	2.2E-02
09	2233	2238	2241	S24	E18	SF	C4.9	9608	1.9E-03
10	0312	0315	0317				C3.4		9.1E-04
10	0351	0412	0425				C4.0		7.1E-03
10	0512	0516	0518	S24	E13	1N	C8.7	9608	2.3E-03
10	0539	0543	0547				C6.8		2.6E-03
10	0818	0825	0838	S32	E19	SF	C6.9	9608	6.6E-03
10	1417	1420	1423	S24	E08	SF	C1.9	9608	6.4E-04
10	1447	1522	1537	S16	W05	SF	C8.1	9607	1.4E-02
10	1806	1810	1816	S11	E23	SF	C2.3	9610	1.2E-03
10	2023	2031	2046	S30	E18	1F	C2.4	9608	3.1E-03
10	2345	2348	2351	S30	E15	SF	C3.6	9608	1.2E-03
11	0011	0017	0022	S30	E13	SF	C3.9	9608	2.2E-03
11	0028	0033	0037	S28	E09	SF	C9.5	9608	3.4E-03
11	0049	0111	0123				M2.6		3.6E-02
11	0332	0349	0405				C5.1		8.4E-03
11	0653	0704	0722				M1.2		1.6E-02
11	0933	0937	0939				C9.7		2.0E-03
11	0947	0951	0955				C3.3		1.4E-03
11	1230	1233	1235				C2.9		7.4E-04
11	1400	1437	1508	N13	E35	SF	C3.2	9615	1.2E-02
11	1950	1954	1958				C4.6		1.9E-03
11	2025	2036	2043	S12	E88	SF	M4.5	9616	3.0E-02
11	2231	2235	2237	S09	E06	SF	C4.8	9610	1.4E-03
12	0052	0056	0059				C3.5		1.3E-03
12	0435	0444	0452				M1.0		7.2E-03
12	0645	0649	0652	S30	W08	SF	C4.9	9608	1.8E-03
12	0844	0911	0939				C4.7		1.3E-02
12	1028	1033	1038				C3.8		2.0E-03
12	1116	1119	1122				C3.0		8.8E-04
12	1314	1318	1332				C3.4		3.1E-03
12	2105	2149	2211				C9.6		2.3E-02
13	0034	0037	0041				C3.7		1.2E-03
13	0121	0125	0128				C7.0		2.0E-03
13	0200	0207	0217	S12	E69	SF	C6.6	9616	5.2E-03
13	0351	0354	0359	S25	W19	SF	C4.6	9608	1.7E-03
13	1303	1306	1307	S15	W10	SF	C2.4	9610	5.5E-04
13	1310	1312	1314	S14	W10	SF	C2.4	9610	5.4E-04
13	1557	1602	1604	S15	W11	SN	C7.0	9610	1.7E-03
13	1948	1951	1954				C5.8		1.5E-03
13	2303	2309	2315				C2.4		1.5E-03

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 Sep 01

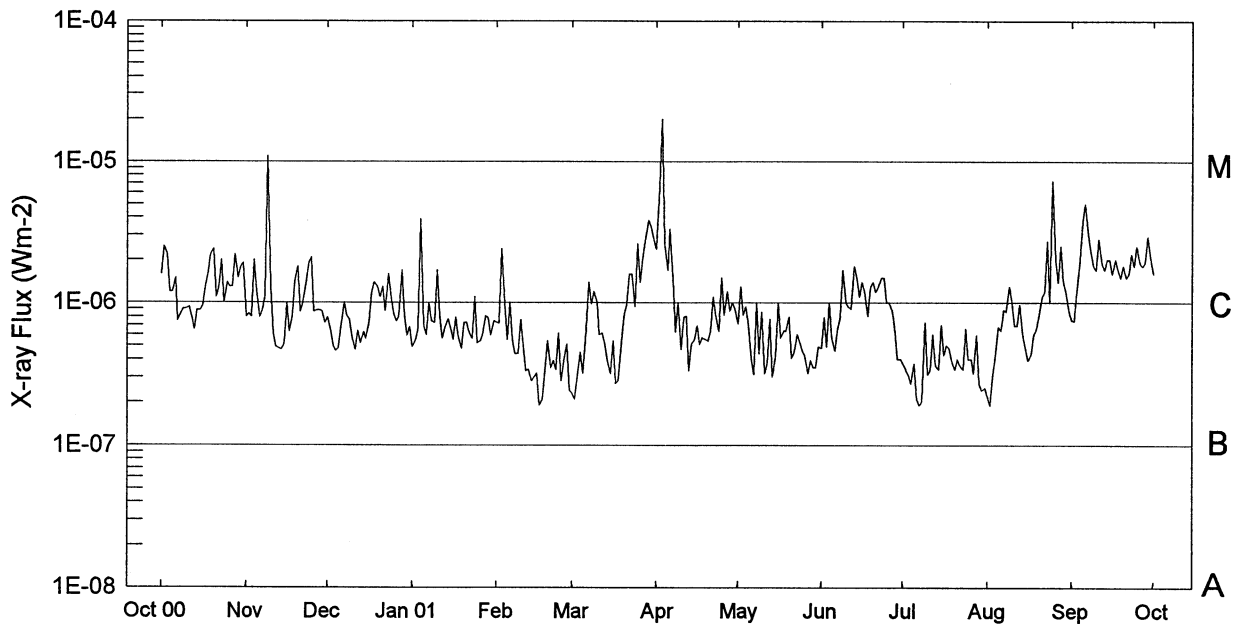
GOES SOLAR X-RAY FLARES
 Preliminary Listing

September 2001

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
27	0422	0432	0448	S20	W27	SF	C3.8	9628	5.3E-03
27	0855	1213	1406				M1.0		1.4E-01T
28	0201	0207	0215	S17	E32	1F	C7.5	9637	5.0E-03
28	0415	0425	0438				C3.5	9628	4.1E-03
28	0635	0646	0652	N19	W42	SF	C2.9	9635	2.7E-03
28	0810	0830	0910	N10	E18	2N	M3.3	9636	9.2E-02
28	0934	1014	1050	S18	W36	1N	M2.4	9628	9.1E-02
28	1658	1717	1722				C6.3	9628	6.8E-03
28	1751	1825	1831				C7.2	9628	1.1E-02
28	1751	1842	1851				C8.4	9634	8.9E-03
28	1918	1926	2005	S18	E22	1F	M1.0	9637	2.7E-02
28	2115	2125	2134				M1.2	9634	1.2E-02
28	2355	2410	2421	S14	W54	SF	C8.6	9628	1.2E-02
29	0648	0656	0705	S18	W54	SF	C5.4	9628	5.2E-03
29	0721	0733	0742	N12	E05	SF	C7.5	9636	8.0E-03

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
29	0809	0816	0822	S16	W54	SF	C4.9	9628	3.6E-03
29	1019	1106	1148	N13	E03	1F	M1.8	9636	6.2E-02
30	0338	0401	0418				C8.3		1.4E-02
30	0529	0606	0620				C8.4	9636	2.3E-02
30	0649	0653	0704	N13	W11	SF	C5.8	9636	4.8E-03
30	0810	0839	0845	N11	W09	SF	C6.1	9636	8.2E-03
30	0940	0942	0945	S14	E03	SF	C3.3	9637	9.6E-04
30	1131	1141	1219	S20	W75	SF	M1.0	9628	2.3E-02
30	1727	1733	1736				C6.6	9628	2.7E-03
30	1744	1752	1757				C5.1		3.3E-03
30	1841	1845	1851	N11	W16	SF	C4.4	9636	2.4E-03
30	1946	2014	2029				C5.1		1.0E-02
30	2129	2136	2145				M1.2		7.9E-03

Preliminary GOES Satellite Daily X-Ray Background Oct 2000 - Sep 2001



Day	Oct 00	Nov	Dec	Jan 01	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	C1.5	B8.0	B7.9	B4.9	B7.3	B2.3	C2.4	B7.1	B4.8	B3.8	B2.2	B7.5
2	C1.3	B8.4	B6.5	B5.4	B7.2	B2.1	C6.5	C1.3	B7.9	B3.4	B1.9	B7.4
3	B7.7	B8.0	B5.0	B6.5	C2.4	B3.2	M2.0	B8.2	B4.9	B3.1	B3.0	C1.2
4	B7.0	C2.0	B4.6	C3.9	B9.8	B4.5	C2.6	B9.3	C1.0	B2.7	B4.1	C2.0
5	B6.1	C1.2	B4.8	B6.9	B5.5	B3.2	C1.7	B7.1	B5.6	B3.7	B6.8	C3.7
6	B5.3	B8.0	B6.9	B6.0	C1.0	B5.5	C3.3	B4.0	B4.6	B2.1	B6.4	C5.0
7	B5.3	B8.9	C1.0	C1.0	B5.5	C1.4	C1.5	B3.1	B6.6	B1.9	B8.9	C3.0
8	B7.4	C1.1	B8.1	B7.4	B4.4	B9.8	B6.2	C1.0	B7.9	B2.0	B8.7	C2.4
9	B5.0	M1.1	B7.7	B7.3	B4.4	C1.2	C1.0	B4.4	C1.7	B7.3	C1.3	C1.8
10	C1.7	C1.3	B5.8	C1.7	B7.6	C1.0	B4.7	B8.6	C1.0	B3.1	C1.0	C1.7
11	B5.3	B6.1	B4.7	B8.0	B5.0	B6.0	B7.9	B3.2	B9.3	B3.3	B6.9	C2.8
12	B4.7	B4.9	B6.4	B5.6	B3.3	B6.1	B8.1	B3.7	B9.0	B6.0	B6.9	C1.9
13	C1.3	B4.8	B5.2	B6.7	B3.4	B5.1	B3.3	B7.7	C1.8	B3.6	B9.7	C1.7
14	C1.1	B4.7	B6.2	B7.7	B2.8	B3.9	B5.1	B3.0	C1.5	B3.4	B5.9	C2.0
15	C1.2	B5.1	B5.6	B6.7	B3.0	B3.2	B5.5	B4.2	C1.1	B7.0	B4.8	C2.0
16	C1.5	B9.9	B7.2	B5.5	B3.2	B5.4	B6.9	C1.0	C1.4	B4.3	B3.9	C1.6
17	B8.8	B6.3	C1.2	B7.9	B1.9	B2.7	B5.1	B5.7	C1.2	B5.0	B4.3	C2.0
18	B8.2	B8.3	C1.4	B5.8	B2.1	B2.8	B5.7	B6.4	B8.1	B4.8	B5.9	C1.7
19	B6.8	C1.4	C1.3	B4.8	B3.3	B5.2	B5.5	B6.3	C1.3	B3.8	B6.5	C1.5
20	B5.5	C1.8	C1.1	B7.3	B5.4	B8.2	B5.4	B8.0	C1.4	B3.4	B8.1	C1.8
21	B5.3	B8.7	C1.3	B7.3	B3.5	B9.6	B6.4	B4.1	C1.2	B4.0	C1.1	C1.5
22	B5.1	C1.0	B8.8	B6.2	B3.9	C1.6	C1.1	B4.5	C1.3	B3.6	C1.2	C1.6
23	B6.6	C1.4	C1.6	B5.6	B3.4	C1.6	B8.1	B6.0	C1.5	B3.4	C2.7	C2.2
24	B6.1	C1.9	C1.1	C1.1	B6.1	B9.4	B6.3	B5.3	C1.5	B6.6	C1.0	C1.8
25	B6.0	C2.1	B8.4	B5.2	B2.8	C2.6	C1.5	B4.6	C1.0	B4.0	C7.2	C2.5
26	B9.4	B8.7	B7.4	B5.4	B4.1	C1.4	B8.2	B4.2	C1.0	B4.0	C2.0	C1.9
27	C1.0	B8.9	B8.1	B5.9	B5.1	C2.1	C1.2	B3.2	B8.8	B3.2	C1.4	C1.8
28	C1.1	B8.9	C1.7	B8.1	B2.4	C2.8	B8.8	B3.9	B6.5	B5.9	C2.5	C1.9
29	C1.5	B8.7	B8.1	B7.8		C3.8	C1.0	B3.5	B4.0	B2.7	C1.4	C2.9
30	B9.4	B7.3	B5.9	B5.9		C3.4	B9.0	B3.5	B4.0	B2.4	C1.2	C2.0
31	C1.0		B6.8	B7.4		C2.8		B4.9		B2.5	B8.7	

ACTIVE PROMINENCES AND FILAMENTS

SEPTEMBER 2001

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
03	BSL	0158	0230	S22	E87	09	9.8	3		3	7	E	LEAR		
04	LPS	2140E	2343	S23	E74	09	10.6			9	9	E	HOLL		
08	DSF	1658U	1101	N30	E22	09	10.4		22	0	0	E	RAMY		
14	DSF	1629U	0856U	S37	E20	09	16.3		14	0	0	E	SVTO		
14	DSF	1908U	1138U	N27	W45	09	11.3		25	0	0	E	RAMY		
19	DSF	0926U	2334U	S11	E34	09	21.9		07	0	0	E	LEAR		
19	BSL	0936E	0955	S15	W90	09	12.6	1	6			P	WROC		
20	DSF	0915U	2337U	N07	E30	09	22.6		09	0	0	E	LEAR		
25	DSF	1524U	0556U	N27	E02	09	25.8		08	0	0	E	SVTO		
25	DSF	1848U	1103U	N29	E02	09	25.9		07	0	0	E	RAMY		
26	DSF	1524U	0556U	N27	E02	09	26.8		08	0	0	E	SVTO		
28	DSF	0009U	1349U	S34	E22	09	29.7	3	30	0	0	E	HOLL		
28	DSF	1555U	0539U	S30	E11	09	29.5		09	0	0	E	SVTO		

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

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

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

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

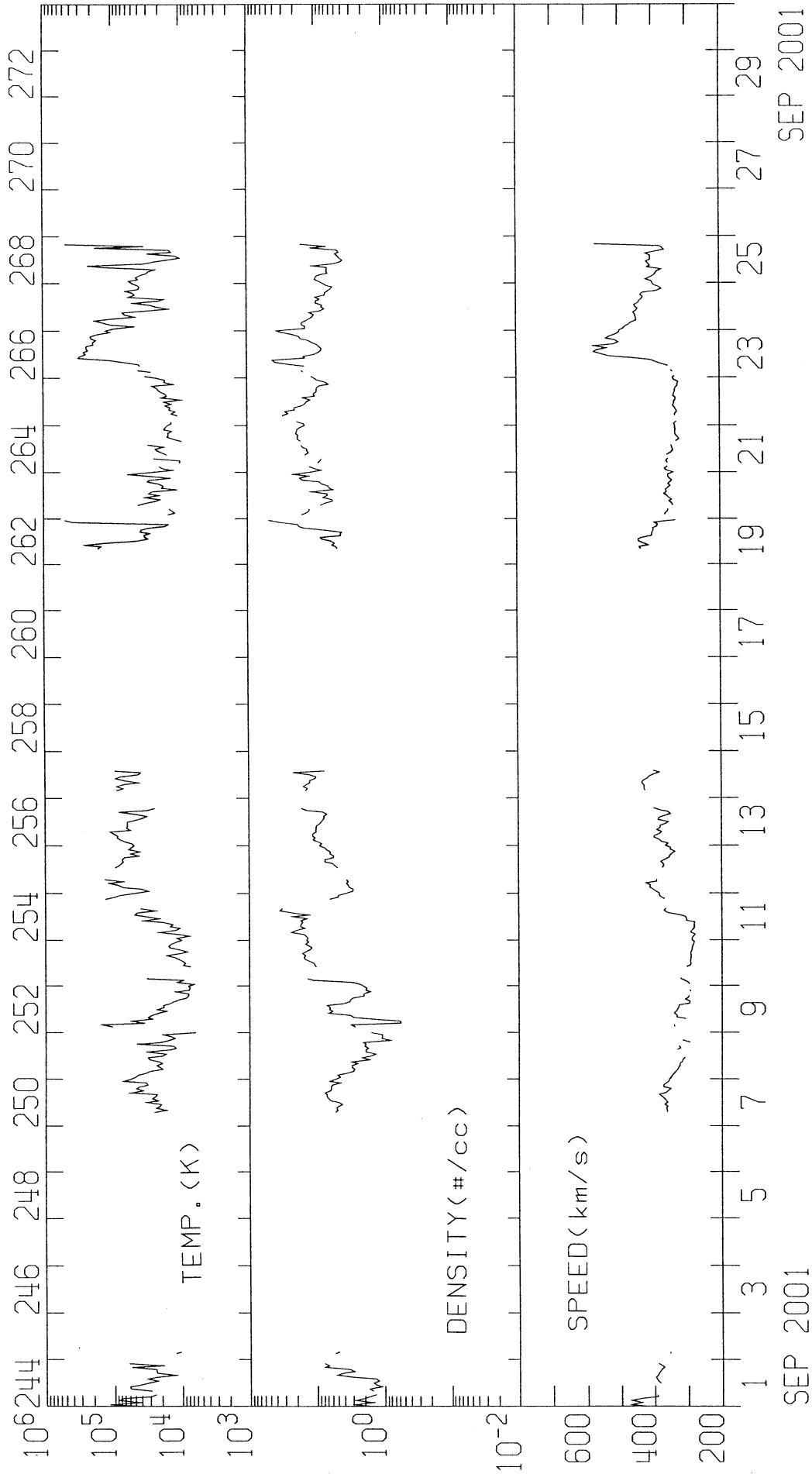
Observation Type: C= Cinematographic, E= Electronic, P= Photographic, V= Visual.

ABST = Abastumani	HOLL = Holloman	RAMY = Ramey
ATHN = Athens	KHAR = Kharkov	SVTO = San Vito
BUCA = Bucharest	LEAR = Learmonth	VORO = Voroshilov
CATA = Catania	PALE = Palehua	VALA = Valasske Mezirici
		WROC = Wroclaw

NOTE: The U.S. Air Force solar observing sites (HOLL, LEAR, RAMY, AND SVTO) have changed operational requirements and will only report the following: BSL, EPL, LPS, SPY, and DSF's.

IMP 8 SOLAR WIND PLASMA
SEPTEMBER 2001

MIT/CSR IMP 8 PLASMA PARAMETERS



IMP 8 MIT ONE-HOUR AVERAGES