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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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Solar-Geophysical Data comprehensive reports

Data for August 1998

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Number 654

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AUGUST

_							NOAA/			P				Ob -	Area Measure		
Grp #	Sta I	Day	Start (UT)		End (UT)	Lat CMD	USAF Region		MP Day	Dur (Min)		np Xray	See	Obs Type	Time Apparent (UT) (10-6 Disk)	Corr (Sq Deg)	Remarks
			0051 0356		0132 0405	No Flar No Flar											
0001	svto	01	0622	0631	0707	S19 E44	8288	80	4.6	45	1 F		3	Ε	108		F
0002	NUVD		1102 1055E	1105	1116 1118	N17 W06 N17 W08			1.0 31.8	14 23D			3	v	16		E E
	SVTO	01	1102		1114	N17 W05 N18 W05	8286	08 08	1.1	12 12D	SF		3	E E	19 14		
		01	2222 2324 0000		2315 2400 0444	No Flar No Flar No Flar	e Patro	ŧ									
0003	svto	02	0714	0715	0717	S18 E79	8293	80	8.3	3	SF		3	E	19		
0004	svto	02	0849	0855	0910	S19 E78	8293	80	8.3	21	1F		3	E	115		
0005		02	1527 1527 1527	15273 1527 1530	1534 1533 1534	S20 E76 S19 E78 S21 E74	8293	08	8.4 8.6 8.3	6	SF SF SF		3	E E	20 14 27		
		02	2149 2239 0000		2214 2400 0433	No Flar No Flar No Flar	e Patro	l									
0006	KHAR	03	11380	1140	1143	S19 E72	8293A	80	9.0	50	SF		2	٧			DH
		03 04	2129 2247 0000 0136		2135 2400 0115 0513	No Flar No Flar	e Patro e Patro	l L									
0007	svto	04	0621	0634	0641	N13 W03	8295	80	4.0	20	SF		3	E	24		
8000	KHAR	04	0953บ		0958	S17 E53	8293	80	8.4	50	SF		2	٧			DH
0009	svto	04	1508	1508	1519	\$24 E53	8293	80	8.7	11	SF		3	E	12		
0010	HOLL	04	1950	1951	2012	N19 W48	8286	80	1.2	22	SF		3	E	31		
		04	2000 2150 0426		2004 2313 0440			l									
0011	svto	05	1137	1143	1150	S23 E40	8293	08	8.6	13	SF		3	E	34		
		05	1256 1906 2005		1333 1911 2102	No Flar	e Patro	Į									
0012	HOLL	05	2008	2008	2103D	S18 E32	8293	08	8.3	55D	SF		3	E	17		
		05 05 06 06 06	2123 2156 2347 0000 0023 0052 0511		2139 2328 2400 0008 0044 0509 0517	No Flar No Flar No Flar No Flar No Flar	e Patro	l l l l									
0013	SVTO	06	09411 0941 0942		0946	N14 W32 N13 W31 N14 W32	8295	80	4.0 4.1 4.0	5	SF SF SF		3	E C	17 17		F F
0014	KANZ	06	1002	1002	1006	N24 W52	8283	08	2.4	4	SF		2	С			
0015	KANZ	06	1022	10251 1026 1025	1030	N28 W50 N28 W50 N27 W50	8283	08	2.5 2.5 2.5	8	SF SF SF		2	C E	22 22		

Grp			Start	Mav	End			NOAA/ USAF	CI	u D	Desa	t -	025		Oba	_	Area Measure		
#	Sta	Day	(UT)			Lat	CMD			MP Day	Dur (Min)	Opt		See	0bs Type	Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0016				11251				8293		8.7		SF					20		F
			1117 1118		1143 1142			8293 8293		8.7 8.7	26 24	SF SF		3 2	E C		20		F
0017			11562 1156		1245 1256			8293 8293		8.7	49	SF		-,	_		94		FH
				1202	1234			8293		8.7 8.7	60 36	SF SF		3 2	E C		94		FH
0018	KANZ	06	1222	1226	1242	N23	E82	8299	80	12.8	20	SF		2	С				
0019	HOLL	06	1332	1333	1342	N29	W51	8283	80	2.6	10	SF		3	E		19		
0020	KA117			14265				8293		8.6	17	SF		_	_		32		F
			1422 1425	1426 1428	1442 1437			8293 8293		8.6 8.6	20 12	SF SF		2 3	C E		37		F
	SVTO	06	1426	1431	1437	\$23	E26	8293	80	8.6	11	SF		3	Ε		27		F
0021	KANZ	06	1442	1446	1450	s20	E25	8293	80	8.5	8	SF		2	C				
0022	KANZ	06	1634	1634	1638	\$22	E18	8293	80	8.1	4	SF		2	С				
0023	HOLL	06	1750	1750	1800	N17	E63	8296	80	11.5	10	SF		3	E		20		
0024	HOLL	06	1801	1808	1815	N18	E64	8296	80	11.6	14	SF		3	E		32		
0025	HOLL	06	1801	1802	1808	\$20	E16	8293	80	8.0	7	SF		3	E		12		
0026	HOLL	06	1831	1832	1838	\$23	E24	8293	80	8.6	7	SF		3	E		32		
0027	HOLL		1950 1950	1955 1955	2004 2004					8.0 7.9	14 14			3	E		30 46		
				19540					08	8.0	12D			3	Ē		15		
0028	HOLL	06	2059	2105	2113	\$22	E23	8293	80	8.6	14	SF		3	E		22		
0029	HOLL	06	2212	2213	2217	\$23	E22	8293	80	8.6	5	SF		3	E		12		
0030	HOLL	06	2233	2256	2304	s23	E22	8293	80	8.6	31	SF		3	E		40		
0031	HOLL	06	2322	2323	2327	\$23	E22	8293	80	8.7	5	SF		3	E		14		
032	HOLL	07	0005	0006	0012	N18	E60	8296	80	11.6	7	SF		3	E		24		
			0100 0137		0115 0445			Patrol Patrol											
0033	svto	07	0642	0658	0719	N14	W44	8295	80	3.9	37	SF		3	E		28		
034	svto	07	0703E	0716U	0754D	N19	E80	8299	80	13.4	51D	SF		3	E		81		
				07211						13.6	40			_	_		58		
			0703	0722 0721	0744					13.7 13.5	39 37			2 3	C E		58		
			0719		0725					8.4	6						21		
				0720 0722U		\$18 \$21				8.3 8.5	5 4D			3 2	E C		21		
037	KANZ	07	0806	0810	0814	s21	E10	8293	08	8.1	8	SF		2	С				
038			08301		0848				08		18						44		
	KANZ SVTO		0830 0831		0850 0845	N19 N20			80 80	6.0 5.8	20 14			2 3	C E		44		
				08562	0916	N19	W19	8290	08	5.9	22	SF					19		F
		07	0854		0914	N19 N19	W20	8290	80	5.8	20 24	SF		3 2	E C		19		F
				1222	1234	521	F07			8.0	12			2	-				

Grp				Max	End			NOAA/ USAF	C	MP	Dur		mp		0bs	Time	Area Measure Apparent	Cor	г	
#	Sta	Day	(UT)	(UT)	(UT)	Lat	CMD	Region	Мо	Day	(Min)	0pt	Xray	See	Туре	(UT)	(10-6 Disk)	(Sq D	eg)	Remark
0041	HOLL	07	1403* 1403 1406	1419* 1422 1430	1507 1538 1454	N18	E49	8296 8296 8296	80	11.5 11.3 11.5	64 95 48	1F 1F 1F		3 2	E C		128 166			F
				1419	1450			8296		11.5	34	SF		4	Ē		91			F
0042	HOLL	07	1515	1516	1518	\$20	E05	8293	80	8.0	3	SF		3	E		15			
0043	HOLL	07	1619	1620	1631	s21	E11	8293	08	8.5	12	SF		3	E		27			
0044	HOLL	07	1634	1637	1639	\$22	E10	8293	80	8.4	5	\$F		3	E		12			
0045	HOLL	07	1758	1759	1802	N14	E82	8299	80	13.9	4	SF		3	E		30			
0046	HOLL	07	2116	2116	2124	\$22	E08	8293	08	8.5	8	SF		3	E		12			
0047	HOLL	07	2337	2338	2356	s21	E07	8293	08	8.5	19	SF		3	Ε		45			F
		08	0011 0153 0744		0056 0431 0754	No F	lare	e Patro e Patro e Patro	ţ											
0048	SVTO	80	0817	0821	0826	N14	E74	8299	80	13.9	9	SF		3	E		40			
		80	0850		0906	No F	lare	Patro	l											
0049	HOLL	08	1357	1406	1409	N15	E72	8299	08	14.0	12	SF		3	Ε		16			
0050	RAMY		1451 1451	1452 1452	1500 1459			8299 8299		13.9 14.0	9 8	SF SF		4	Ę		24 23			
	HOLL	80	1451	1452	1500	N14	E70	8299	80	13.9	9	SF		3	E		25			
0051	HOLL	80	1535	1535	1540	\$22	E00	8293	80	8.6	5	SF		3	E		23			
0052	HOLL	80	1832	1840	1856	N15	E69	8299	80	14.0	24	1F		3	E		121			H
0053	HOLL	80	2233	2234	2238	N16	E65	8299	80	13.9	5	SF		3	E		14			
		80	2245		2336	No F	lare	Patro	l											
0054	HOLL	08	2332	2338	2410D	N15	E64	8299	80	13.8	38D	1 F		3	E		148			
		09 09 09	2348 0000 0048 0135 0341		2400 0003 0109 0239 0638	No F No F	lare lare	Patro Patro Patro Patro Patro	l l											
0055	svto	09	0725E	0736U	0756	N15	E56	8299	80	13.5	31D	SF		3	E		44			F
0056	SVTO	09	0841E	0844	0925	N14	E59	8299	80	13.8	44D	1B		3	E		134			F
0057	svto	09	0927E	0930U	0938	N19	E63	8299	80	14.2	11 D	SF		3	E		28			
0058	HOLL	09	1621	1627	1650	\$23	W15	8293	08	8.5	29	SF		3	E		59			F
0059	HOLL	09	1712	1716	1742	N15	E55	8299	80	13.9	30	2B		3	E		324			EH
0060	HOLL	09	1751	1755	1800	N19	E64	8299	80	14.6	9	SF		3	Ε		39			
		09 09	1905 1933 2333 0000		1928 2253 2400 0308	No F	lare lare	Patrole Patrole Patrole Patrole	ļ ļ											
0061	URUM	10	0454E	0454	0459	N16	E43	8299	80	13.5	5D	SN			P		80	1.1		E
0062	svto	10	0705	0706	0710	N15	E43	8299	08	13.5	5	SF		3	Ε		34			
0063	SVTO	10	0807	0809	0831	s23	W20	8293	08	8.8	24	SF		3	E		65			FH

$\label{eq:control_eq} \textbf{H}\alpha \quad \textbf{S} \ \textbf{O} \ \textbf{L} \ \textbf{A} \ \textbf{R} \quad \textbf{F} \ \textbf{L} \ \textbf{A} \ \textbf{R} \ \textbf{E} \ \textbf{S}$

Grp			Start	Max	End			NOAA/ Usaf		1P	Dur	Imp		0bs	Area Measur Time Apparent	Corr	
#	Sta I	Day	(UT)	(UT)	(UT)	Lat	CMD	Region	Мо	Day	(Min)	Opt Xray	See	Туре	(UT) (10-6 Disk	(Sq Deg)	Remarks
0064	SVTO	10	0814	0814	0823	ม15	E51	8299		14.2	9	SF	3	Е	24		
0065	SVTO	10	0835	0840	0854	s23	W18	8293	80	9.0	19	SF	2	E	45		FH
0066	SVTO	10	1035	1042	1050	\$22	W17	8293	80	9.1	15	SF	3	E	26		
0067	SVTO	10	1040	1041	1048	N15	E50	8299	08	14.2	8	SF	3	E	23		Н
8800	SVTO	10	1101	1103	1114	N15	E49	8299	80	14.2	13	SF	3	Ε	60		F
0069	RAMY	10	1102	1103	1113	\$16	E50	8299	80	14.2	11	SF	2	E	22		
0070			11045 1104	11107 1117	1132 1140			8293 8293		8.6 8.8	28 36		3	E	58 81		F F
			1109	1110	1124			8293		8.4	15		2	Ē	36		'
0071	SVTO	10	1216	1216	1221	\$22	W18	8293	80	9.1	5	SF	3	Ε	11		F
0072	SVTO	10	1339	1340	1347	พ13	E38	8299	80	13.4	8	SF	3	Ε	28		F
0073	svto	10	1356	1358	1406	S25	W28	8293	80	8.4	10	SF	3	Ε	18		F
0074	HOLL		1455	14561 1456	1504 1503			8293 8293		8.4 8.4		SF SF	4	Е	34 34		
	SVTO			1457	1506			8293	08	8.3	11	SF	3	E	35		
0075	uoi i		1627	1656	1706			8297		13.3	39		7	_	42		F
			1627 1631E		1706 1706			8297 8297		13.2 13.5	39 35d		3 3	E E	28 56		F
0076	CVTO		1631	1632	1636			8293		8.4		SF	7	- -	38		
	HOLL		1630E 1631		1637			8293 8293		8.4 8.4		SF SF	3 3	E	47 30		
0077	HOLL	10	1715	1716	1728	N17	E39	8299	80	13.7	13	SF	3	E	25		
0078	NO. I		17164		1726			8293		8.4	10		~	_	26		
	RAMY			1721 1721	1730 1723			8293 8293		8.4 8.4	14 3	SF SF	3 3	E E	40 13		
0079	HOLL	10	1802	1802	1806	N20	W22	8298	80	9.1	4	SF	3	E	17		
		10	1949		2039	No F	lare	Patrol									
0800	HOLL	10	2111	2113	2116	N21	W22	8298	80	9.2	5	SF	3	Ε	12		
		11	2135 0000 0125		2400 0109 0139	No F	lare	Patrole Patrole Patrol									
0081	svto	11	0902	0905	0912	N19	w30	8298	80	9.1	10	SF	3	E	17		F
0082	SVTO	11	1109	1109	1113	s23	W39	8293	80	8.4	4	SF	3	E	12		
		11 12	1757 2341 0000 0042		1801 2400 0005 0436	No i	lare lare	Patrol Patrol Patrol Patrol									
	RAMY	12	11523 1152 1155		1206 1206 1206	S23	W52	8293 8293 8293	80	8.5 8.5 8.6	14 14 11	SF	3	E E	14 12 16		
0084	HOLL	12 12	1515 1515 1515 1515	1516 1516 1516 1516	1519	s24 s23	W54 W53		80 80	8.5 8.5 8.5 8.4	4 4	SF SF SF SF	3 3 3	E E E	19 18 13 27		
	1274111																

C==			04		p 4			NOAA		LID.	_	_			-1		Area M			
Grp #	Sta	Day		: Max (UT)	End (UT)	Lat	CMD	USAF Region		MP Day	Dur (Min)	I Opt	mp Xray	See	Obs Type	Time (UT)	App (10-6	arent Disk)	Corr (Sq Deg)	Remarks
0085			1821					8297		***************************************								13		
		12 12 12 12 13	2102 2205 2224 2312 2330 0000 0014		2125 2217 2237 2319 2400 0006 0027	No No No No	Flar Flar Flar Flar Flar	e Patro e Patro e Patro e Patro e Patro e Patro	ol ol ol ol											
0086	SVTO	13	0534	0538	0601	N33	W10	8297	08	12.4	27	SF		3	Ε			14		
0087	LEAR	13	0744	0745	0749	N14	W02	8299	08	13.2	5	SF		3	E			29		
0088	KHAP		0930 0930	0931	0940 0942			8299 8299		13.8 13.8	10 12			2	W			23		DH
				0931	0939			8299		13.8	9			2 4	V E			23		HD
0089			10141 1014	10162 1018	1036 1032			8299		13.9	22							49		DEFZ
	SVTO	13	1015	1016	1038	N16	E06	8299 8299	80	13.9	18 23	SF		4	E			49		D F
0000			1020E		1038			8299		13.8	18D			2	V					ZE
	KHAR			12/0	1130			8300		9.4	7			2	V					DH
			1233		1247			8299		13.8	14									D
0092	SVTO	13	1335 1336	13385 1343 1338	1355 1350	N14	E04	8299 8299 8299	80	13.9 13.9 13.9	17 20 14	SF		3 3	E E			60 96 23		F F
0093			1407	1410	1429			8299		13.9	22			_				64		F
			1407 1407	1410 1410	1425 1433			8299 8299		13.9 13.9	18 26	SF SF		3	E E			38 90		F
0094	svto	13	1542	1549	1602	s24	W61	8293	80	8.9	20	SF		3	E			19		
	HOLL RAMY	13		1756 1756 1756	1806 1804D 1806	s23	W60		80	9.1 9.1 9.0	16 14D 12	SF		3	E E			50 47 52		
0096	RAMY	13	1923	1924	1926	s23	W66	8293	08	8.7	3	SF		4	E			11		
		13	2033		2045	No I	lare	Patro	l						_					
0097	HOLL	13	2205	2205	2211	s31	W51	8300	08	9.9	6	SF		3	E			10		
			2252					Patro												
0098	URUM	14	0059	0101	0114	s29	W75	8293H	08	8.2	15	SN			С			32		E
				0123						8.7	3	SF		3	E			13		_
0100	LEAR	14	0351	0413	0440	N14	W14	8299	08	13.1	49	SF		3	E			65		
0101	URUM	14	0418E	0418	0446	N17	w03	8299	08	13.9	28D	SB			P			61	1.7	E
0102		14	05001	05015	0537	N28	W18	8297	08	12.8	37	SN						74		E
	LEAR URUM			0501 0506	0536 0538		W19 W16			12.7 13.0	36 37			3	E C			52 96		E
0103	URUM	14	0501	0514	0530	s24	W82	8293		7.9	29				C			48		D
0104	LEAR	14	0557	0559	0608	s23	W73	8293	08	8.6	11	SF		3	E			37		
0105	LEAR	14	8060	0608	0611	N14	W15	8299	08	13.1	3	SF		3	E			17		
0106	LEAR	14 14	0826 0826	0826 0826	0842 0841	\$22 \$21	W72 W69	8293 8293	08	8.8	16			3	E	•	1	04 02		
	SVTO	14	0826	0826	0842	\$23	W74	8293	80	8.6	16			3	E			07		

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AUGUST

Grp			Start	Max	End			NOAA/ Usaf	CI	I P	Dur	I	mp		0bs	/ Time		easure arent		orr	
#	Sta [ay	(UT)	(UT)	(UT)	Lat	CMD	Region	Мо	Day	(Min)	0pt	Xray :	See	Туре	(UT)	(10-6	Disk)	(Sc	Deg)	Remarks
0107	KHAR	14	0836		0850 U	s27	W68	8290	80	9.0	140	SF		2	V						D
0108			08582 0858	0900 0900	0905 0903			8293 8293	80 80	8.8 8.6	7 5	SF SF		3	Ε			16 16			D
	KHAR	14		0900	0910 0903	s28	W67	8293 8293		9.1	10			2	V E			17			D
0100			0922		0926				08	8.6	4	SF		3	E			15			
	KHAR			0,25	1112				-	9.4	•	SF		2	v			1.5			D
				2155				8299		13.9	5	SF		3	v E			24			U
											_							26			
			0624		0659			8293		8.8	35	SF		2	E			34			
				0852				8293		8.6	6	SF		2	E			16			
0114			1630 1630		1649 1658			8297 8297		13.2 13.3	19 28			3	E			65 62			
				1632U				8297		13.1		SF		2	Ē			68			
0115	svto	15	1632E	1635U	1643	N16	W25	8299	08	13.8	11D	SF		2	Ë			27			F
0116	URUM	16	0354	0410	0426	N17	W28	8299	08	14.0	32	SN			С			96	1	.1	Ε
0117	SVTO	16	1157	1159	1201	N29	W46	8297	08	12.9	4	SF		3	Ε			56			
0118	SVTO	16	1157	1159	1201	N17	W32	8299	80	14.1	4	SF		3	Ε			36			
		16 16 16 16	1932 1952 2022 2103 2130 2237		1937 1955 2033 2105 2135 2242	No I No I No I	Flare Flare Flare	e Patro	l l l												
0119	SVTO	17	1339	1351	1354	N18	W48	8299	80	13.9	15	SF		3	E			13			
0120	SVTO	17	1354	1357	1359	N18	W48	8299	80	13.9	5	SF		3	E			12			
0121	HOLL	17	1712	1714	1717	N19	W 50	8299	80	13.9	5	SF		3	E			20			
0122	HOLL	17	2030	2033	2044	N17	W52	8299	80	13.9	14	SF		3	E			25			
0123	HOLL	17	2304	2306	2317	N19	W 54	8299	80	13.8	13	SF		3	E			15			
0124	LEAR	17	2353	2402	2425	N19	W52	8299	80	14.0	32	SF		3	E			20			E
0125	LEAR	18	0143	0147	0150	N16	W55	8299	80	13.9	7	SF		3	Ε			11			
0126	LEAR	18	0413	0413	0419	N20	W56	8299	80	13.9	6	SF		3	E			11			
0127		18	0619 0619 0619	0619 0619 0619	0622 0622 0622	N32	W68	8297 8297 8297	80	12.9 12.9 13.0	3 3 3	SF		3 3	E E			15 16 14			
0128	LEAR	18	0623	0627	0632	N32	W68	8297	80	12.9	9	SF		3	E			21			
0129	URUM	18	0704E	0704	0707	N19	W60	8299	08	13.7	3 D	SF			P			48	1	.0	D
0130	HURB	18	0826	0836	0848	N32	E90	8307	80	25.5	22	1B									A
0131	LEAR	18	0826	0831	0842	N33	E68	8307	80	23.7	16	SN		3	E			42			
0132	HURB	18	1238	1244	1304	N32	E90	8307	08	25.6	26	2в									A
		18	2114		2143	No I	Flare	Patro	Ļ												
0133	HOLL	18	2213	2216	2350	N33	E87	8307	08	25.8	97	1B		3	Ε		,	183			Υ

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AUGUST

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)		CMD	NOAA/ USAF Region	C	MP Day	Dur (Min)		Imp t Xray	See	Obs Type	Time	Area Mea Appar (10-6 D	ent	Cor	rr Deg)	Remarks
0134	LEAR	18	2319E	2334	2339	N29	E85	8307	08	25.6	200) SF		2	E	*****	2	8			
0135	LEAR	19	0251	0252	0259	N15	₩64	8299	08	14.3	8	SF		3	E		4	0			
0136	LEAR	19	0411	0411	0414	N16	W70	8299	80	13.9	3	SF		3	Ε		1	1			
			0949 1003		0955 1015			e Patro e Patro													
0137	SVTO	19	1025	10280	10410	N17	W71	8299	80	14.0	160	SF		3	E		2	9			F
		19	1042		1047	No	Flare	e Patro	į												
0138	RAMY	19	1238 1238 1249E	1241	1300 1251 1308	N35	E78	8307 8307 8307	80	25.7 25.8 25.6	22 13 190			3 2	E E		36 13	3			F F
0139	SVTO	19	1407	1410	1508	N36	E79	8307		25.9	61	SF		3	E		8.				FH
0140	HOLL	19	1408	1429	1456	N35	E80	8307	80	26.0	48	SF		4	E		43				F
0141	HOLL	19	1525	1533	1536	N30	E77	8307	08	25.7	11	SF		3	E		1:				r
			2028 2136		2051 2234	No f	lare	Patrol Patrol									•	•			
0142	HOLL	19	2207E	2207U	2238D	N32	E 7 5	8307	08	25.8	31D	1F		3	Ε		115	;			
0143	HOLL	19	2256	2302	2306	N30	E70	8307	80	25.5	10	SF		3	E		14				
0144	LEAR	20	0029	0029	0051	N16	W81	8299	80	13.9	22	SF		3	Ε		27	,			H
145	URUM	20	0040	0047	0119	N19	W77	8299	08	14.1	39	1 N			С		129	,			E
0146	svto	20	0529	0530	0534	N17	E21	8309	08	21.8	5	SF		3	E		11				
147	svto	20	0553	0615	0631	N18	E24	8309	08	22.1	38	SF		2	E		13	;			
		20	0955		0957	No F	lare	Patrol													
148	KHAR	20	1054		1058	N16	W88	8299	80	13.8	4	SF		2	٧						D
		20	12273 1227 1230	1232	1303	S 34	E36	8320A	80	23.4 23.4 23.4	39 36 38	1N 1N SF		3 2	E E		77 105 49				F F
		20	1401		1438	No F	lare	Patrol						_	_		47				
150	svto	20	1613	1613	1616	N17	E19 8	8309	08	22.1	3	SF		3	E		14				
		20	1639		1657	No F	lare	Patrol									· ·				
151	KOLL	20	1949E	1959U	2045D	N31	E62 8	B307 (08	25.7	56D	SF		3	E		48				
		20 2 20 2	2024 2047 2146 0951		2049 2318	No F	lare lare	Patrol Patrol Patrol Patrol													
152 }	CHAR	21 '	1049	1052	1103	N12 I	490 8	3299 (08	14.7	14	SB		2	ν					H	I
			1116 1313					Patrol Patrol													
153 I	fOLL :	21 1	1506	1507	1511	N33 E	53 8	307 (8 2	25.8	5	SF		3	E		23			F	:
154 I	HOLL	21 1	1612	1613	1640	N32 E	51 8	307 (8 2	25.7	28	SF		3	E		16				
			843 1922		1911 1930	No F	lare lare	Patrol Patrol													

AUGUST

err.			Start	Mav	End			NOAA/ USAF	C)	4P	Dur	Imp		0bs	Area Measure Time Apparent	ment Corr	
îrp #	Sta	Day	(UT)			Lat	CMD						See		(UT) (10-6 Disk)		Remarks
			1954		2018			Patro									
			2052 2234		2145 2242			Patro Patro									
			2251		2320	No F	lare	Patro	l								
155	LEAR	22	0010E	0010	0140D	N42	E51	8307	80	26.2	90D	2B	3	E	284		
156	LEAR	22	0158	0215	0230	N26	E44	8307	80	25.5	32	SF	3	E	54		
157	LEAR	22	0320	0329	0340	N27	E44	8307	80	25.6	20	SF	3	Ε	38		
158	LEAR	22	0443	0446	0500	N30	E43	8307	80	25.6	17	SF	3	E	37		
159	LEAR	22	0508	0512	0517	N19	W03	8309	08	22.0	9	SF	3	E	15		
160	svto	22	0601	0601	8060	N28	E41	8309	80	25.4	7	SF	3	E	12		
161		22	0847	0849	0852	N30	E47	8307	08	26.1		SF			26		H
			0847 0847	0849 0849	0852 0852			8307 8307		26.0 26.1		SF SF	3 3	E E	21 32		н
															32		
162	KHAR	22		1107	1117					26.0	14		2	٧			H
				1307		N30			80	26.1	4	SF	3	E	16		FH
64	SVTO	22	1506	1506	1511	и30	E44	8307	80	26.1	5	SF	3	E	38		
65				16592				8307		25.4		1F	7	_	60		
			1646 1700	1659 1701	1748 1739			8307 8307		25.5 25.4	62 39	1F SF	3 3	E	108 12		
166			19271		1958			8307		25.5	31	1F			72		
			1927 1928	1932 1932	2006 1949			8307 8307		25.6 25.5	39 21	1F SF	3 3	E E	108 37		
			2033		2038			Patro	ı								
		22	2050		2054	No F	lare	Patro	Ĺ								
			2118		2159			Patro									
67	HOLL	22	2147E	2158		N27	E46	8307	80	26.5	D	1F	3	E	137		
168			0229	02346 0240				8309		22.1	27 21		3	E	71 29	1.2	E
			0234E		0301	N17 N12		8309		22.1	27D		3	P	113	1.2	E
69	LEAR	23	0514	0515	0519	N20	E44	8310	80	26.6	5	SF	3	E	23		
70	LEAR	23	0608	0610	0727	N33	E33	8307	80	25.9	79	SF	3	Ε	62		EF
71	svto	23	0609	0638	0711	N33	E34	8307	08	25.9	62	SF	3	E	65		F
172	LEAR	23	0752	0753	0759	N15	W14	8309	08	22.3	7	SF	3	E	14		
173		23	08313	08314	0843	N16	W15	8309	08	22.2	12	SF			11		
			0831	0831 0835	0841 0845			8309 8309		22.3	10 11		3 3	E E	11 11		
			0834							22.1			3	E	•		
174	LIRIIM			0931 0928U						26.1	66 50			Р	316 530	7.4 7.4	EFU E
	LEAR	23	0926	0931	1000D	N32	E33	8307	80	26.0	34D	1N	3	Ε	180	,	FE
	SVTO	23	0930	0937U	1045	N34	E34	8307	80	26.1	75	1N	3	E	239		UF
175				11071						26.5	27		_	_	84	1.8	EF
			1107 1108E	1107 1108	1156 1113					26.5	49 5D	SF SN	3	E P	38 129	1.8	F E
	21.01										20			•	127		-
			2137 2145					Patro Patro									
		23	2205		2221	No F	lare	Patro	l								
		23	2254		2572	NO F	· lare	Patro	ι								

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AUGUST

Grp #	Sta	Day	Start	Max (UT)	End (UT)		CMD	NOAA USAF Regio		CMP o Dav	Dur	ነ በኮ	Imp	Sac	Obs	Area Measure Time Apparent (UT) (10-6 Disk)	Corr	
0176			0620					8309		3 22.1		SF	L Aldy	3	E	14	(Sq Deg)	Remark
			0932E					8307		3 25.4		SF		3	E	15		
0178			1524	1524	1530	N32	E18	8307		3 26.1				_	-	18		F
			1524 1524	1524 1524	1530 1530			8307 8307		3 26.1 3 26.1	6 6	SF SF		3 3	E E	19 16		F
0179	HOLL	24	2036	2037	2048	N31	E07	8307	08	3 25.4	12	SF		3	E	13		
0180	HOLL	24	2148	2204	25080	N35	E09	8307	08	25.6	2000	3B		3	E	892		T
0181	LEAR	24	2312E	2336	2450	N29	W03	8307	80	24.7	980	1F		3	Ε	106		U
182	KHAR		09171 0917	0919	0925 0926	N14 J N12	W45	8309 8300		22.0		SF		2	.,	15		E
			0918	0919	0925	N16	W44	8309		22.0		SF SF		2 3	V E	15		E
		25 25 26 26 26 26 26 26	1923 2157 2243 0000 0820 2005 2018 2036 2118		2400 0435 1038 2010	No F No F No F No F No F	lare lare lare lare lare	Patro Patro Patro Patro Patro Patro Patro Patro Patro	il il il il il il									
183	SVTO	27	0840	0844	0850	N21	E05	8319	08	27.7	10	SF		3	E	12		
		27	1056		1141	No F	lare	Patro	l									
184	SVTO	27	1142E	11420	1204D	N19	E04	8319	80	27.8	22D	SF		2	E	19		
		27	1215		1312	No F	lare	Patro	l									
	HOLL SVTO	27		15291 1529 1530	1541 1540 1542	N14 N14 N15	E59	8243	09 09 09	1.1 1.1 1.1	12	SF SF SF		3	E E	42 53 32		F
		27 27 27 27 27	1814 1916 1951 2013 2210		1832 1944 1958 2205 2400 0011	No F No F No F	lare lare lare lare	Patrol Patrol Patrol Patrol Patrol	[[[
186 9	SVTO	28 ()521E	0521U	0531	S21 I	E38 8	3242	80	31.1	10D	SF		3	E	37	F	:
		28 1	1646 1843 1014		1704 2304 0100	No F	lare	Patrol Patrol Patrol										
l87 ι	EAR	29 ()131 (0132	0140	N21 I	/18 8	319	08	27.7	9	SF		3	E	35		
188 L S	EAR :	29 (0500	0509	N20 W N20 W N20 W	116 8	319	80	28.0 28.0 28.0	12 12 12D	SF			E E	35 52 18	F F	
89 s	VTO :	29 0	646 (0646	0650	N18 h	118 8	319	80	27.9	4	SF		3	-	17	•	
			952 326 355		1331	No Fl	are	Patrol Patrol Patrol										
90 R	AMY 2	9 1	532 1	1534	1547	N30 W	145 8	307	08	26.1	15	SF		3	Ė	12		
		9 1						Patrol Patrol										

$\mbox{\bf H}\alpha \ \ \mbox{\bf S} \ \mbox{\bf O} \ \mbox{\bf L} \ \mbox{\bf A} \ \mbox{\bf R} \ \mbox{\bf F} \ \mbox{\bf L} \ \mbox{\bf A} \ \mbox{\bf R} \ \mbox{\bf E} \ \mbox{\bf S}$

Grp			Start	Max	End			NOAA/ USAF	()	4P	Dur	Ţ	mp		0bs	Area Measurement Time Apparent Corr
#	Sta	Day	(UT)	(UT)	(UT)	Lat	CMD	Region					•	See	Туре	
0191	HOLL	29	2148	2153	2202	N31	W49	8307	80	26.0	14	SF		3	E	70
0192	LEAR	30	0039	0040	0054	N19	W29	8319	80	27.8	15	SF		3	E	22 F
0193	LEAR	30	0059	0059	0104	N18	W29	8319	80	27.8	, 5	SF		3	E	16 F
0194	LEAR	30	0116	0119	0131	N19	W30	8319	80	27.8	15	SF		3	E	20
0195	LEAR	30	0336	0340	0359	N18	W28	8319	80	28.0	23	SF		3	E	87 F
0196	LEAR	30	0400	0402	0410	N19	W30	8319	80	27,9	10	SF		3	E	23 F
0197	LEAR	30	0430	0431	0443	N19	W29	8319	80	28.0	13	SF		3	E	32 F
0198	LEAR	30	0500	0503	0511	N29	W68	8307	80	24.9	11	SF		3	E	28
0199	LEAR	30	0514	0540	0612	N21	W33	8319	80	27.7	58	1N		3	E	111 FH
0200	LEAR	30	0618	0620	0646	N21	W33	8319	80	27.7	28	1 F		3	Ε	104 F
0201	LEAR	30	0638	0640	0656	N20	W17	8322	80	29.0	18	SF		3	E	20
0202	LEAR	30	0643	0651	0707	N29	W69	8307	80	24.9	24	SF		3	E	71
0203	LEAR	30	0736	0738	0746	N21	W34	8319	80	27.7	10	SF		3	E	15
0204	LEAR	30	0740	0743	0746	\$22	E56	8323	09	3.6	6	SF		3	E	18
0205	LEAR	30	0854	0903	0907	N21	W35	8319	80	27.7	13	SF		3	E	33
0206	LEAR	30	0932	09350	0953D	N21	W35	8319	80	27.7	21D	1 N		3	Ε	106
			0954 1122		1050 1135		_	e Patrol e Patrol								
0207	svto	30	1249	1253	1300	s20	E60	8323	09	4.1	11	SF		3	E	30
0208		30	12531 1253 1254	1255 1255 1255	1303 1310 1256	N31	W56	8307 8307 8307	08	26.1 26.1 26.0	10 17 2	SF SF SF		3	E E	39 64 14
0209	HOLL	30	1358	1359	1404	\$18	E61	8323	09	4.2	6	SF		3	Ε	43
0210		30	1328* 1328 1428	1359 1359 1433U	1440 1438 1443	N16	W38	8319 8319 8319	80	27.7 27.7 27.7	72 70 15	SF SF SF		3 3	E	33 F 50 F 16
0211	svto	30	1349E	135 <i>7</i> U	1423	N19	W37	8319	08	27.7	34D	SF		3	E	60
0212	SVTO HOLL	30 30			1536D 1457	N21 N21	W38 W38	8319	80 80	27.8 27.7 27.7 27.9	9 49D 10 4	SF SF		3 3 3	E E	59 78 71 27
0213	HOLL	30	1507	1524	1555	\$22	E51	8323	09	3.5	48	SF		3	E	65
0214	HOLL	30	15282 1528 1530	1531 1531 1531	1534 1535 1534	N21	W38	8319 8319 8319	80	27.7 27.7 27.8	6 7 4	SF		3 3	E E	34 FH 42 26 FH
0215	RAMY	30	1547	1548	1551	s21	E61	8323	09	4.3	4	SF		3	E	16
0216	HOLL	30	1602	1603	1611	s22	E51	8323	09	3.6	9	SF		3	E	15
0217	HOLL	30	1603	1612	1620	N21	W39	8319	80	27.7	17	1 F		3	E	109
0218	HOLL	30	1726	1726	1731	\$22	E50	8323	09	3.6	5	SF		3	E	25
0219	HOLL	30	1753	1756	1800	N21	W40	8319	08	27.7	7	SF		3	E	17

AUGUST

Grp #	Sta	Day		Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	С	MP Day	Dur (Min)	I Opt	mp : Xray	See	Obs Type	Time	An	Measure parent 6 Disk)	_		Remarks
0220				18080				*****		26.0		SN			E		-	48		Deg,	KCHIZI K.
0221	HOLL	30	1904	1906	1910	N21	W40	8319	08	27.7	6	SF		3	E			12			
0222	RAMY	30	1945E	19460	1956	N30	W60	8307	08	26.1	11D	SF		2	E			20			
0223	RAMY	30	1947E	19480	1951	s21	E57	8323	09	4.2	4D	SF		2	Ε			18			
0224			1958 1958	2000 2000	2014	N16	W40	8319		27.8 27.7		SF		-	_			24			
	RAMY	30	2002E	2003U	2005D	N17	W38	8319		27.9		SF SF		3 2	E E			19 28			
0225	HOLL	30	2049	2052	2101	\$17	E59	8323	09	4.3	12	SF		3	E			33			
0226	HOLL	30	2151	2154	2158	N17	W41	8319	80	27.8	7	SF		3	Ε			32			
0227	HOLL	3 0	2247	2259	2304	s22	E47	8323	09	3.6	17	SF		3	E			86			
0228	HOLL	31	0037	0041	0044D	s22	E46	8323	09	3.6	7 D	SF		3	E			48			
0229	LEAR	31	0055	0056	0058	s19	W63	8323	80	26.2	3	SF		3	Ε			27			
230	LEAR	31	0215	0217	0227	s21	E56	8323	09	4.4	12	SF		3	E			35			
231				03071 0307			W44 W43	8319 8319		27.8 27.8	26 18			3	E			98	2.	4	EF
	URUM	31	0300	0308	0332	N19	W45	8319		27.7	32			J	C			36 161	2.	4	F E
232	LEAR	31	0444	0445	0449	\$23	E52	8323	09	4.2	5	SF		3	E			20			
233	URUM	31	0510E	0510	0552	N37	W73	8307	80	25.3	42D	18			P			80			Ε
	SVTO	31 31	0522 0518E	0524 0519U	0556 0556	N28 N28	W78 W78			25.1 25.1	34 38D			2	_			78			FH
				0524		N29				25.1	33			3	E			54 102			FH FK
235		31 31	0625 0619E	0629 0628U		N29 N29				25.0 25.0	17 270			3	E			46			
	LEAR	31	0625	0629	0637					25.1	12			3	E			49 43			
236	LEAR	31	0727	0728	0732	\$23	E50	8323	09	4.2	5	SF		3	E			28			
237	SVTO	31	0824	0826U	0837	N32	W64	8307	80	26.3	13	SF		3	E			31			
				0826	0836	N29	W80 I	B307	80	25.1	11	SF		3	E			38			
			0900 0900		0908 0908	\$23 \$23	E50 8	8323 8323	09 09		8 8			3	_			16			
				0905U	0909	s23			09	4.2	6D			3	E E			20 13			
240	SVTO	31	1022	1028	1033	s23	E49 8	3323	09	4.2	11	SF		3	Ε			17			
241	SVTO		15295 1529			N31 I N32 I				26.1 26.2	31 40			,	_			58			F
	RAMY					N30 1				26.1	17	SF SF		3 3	E E			93 22			F
242	HOLL	31 <i>'</i>	1815	1825	1848	s21 I	E47 8	3323	9	4.4	33	SF		3	E			36			
243	HOLL :	31 ′	827	1827	1848	N22 (W38 8	3322	8	28.8	21	SF		3	E			10			
244	HOLL :	31 1	835	1836	1843	N21 \	453 E	319 (8	27.7	8	SF		3	E			21			
245	HOLL :	31 1	855	1904 ′	1911	N21 \	√53 E	319 (8 3	27.7	16	SF		3	Ε			16			
246 (HOLL :	31 1	954 '	1957 2	2006	N21 V	154 8	319 (8	27.7	12	SF		3	E			36			
247	HOLL :	31 2	2039	2041 2	2046	N21 V	√54 8	319 (8	27.7	7	SF		3	E			36			
		31 2	101	7	2135	No Fl	lare	Patrol													

SOLAR FLARES Ηα

AUGUST

1998

***************************************	-						**		NOAA/	, , , , , , , , , , , , , , , , , , ,							ı	Area Measure	nent	
Grp #	St	ta I	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	USAF Region		MP Day	Dur (Min)		np Xray	See	0bs Type	Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0248	НС	OLL	31	2139	2141	2217	s20	E47	8323	09	4.5	38	SF		3	Ε		32		

"Remarks"

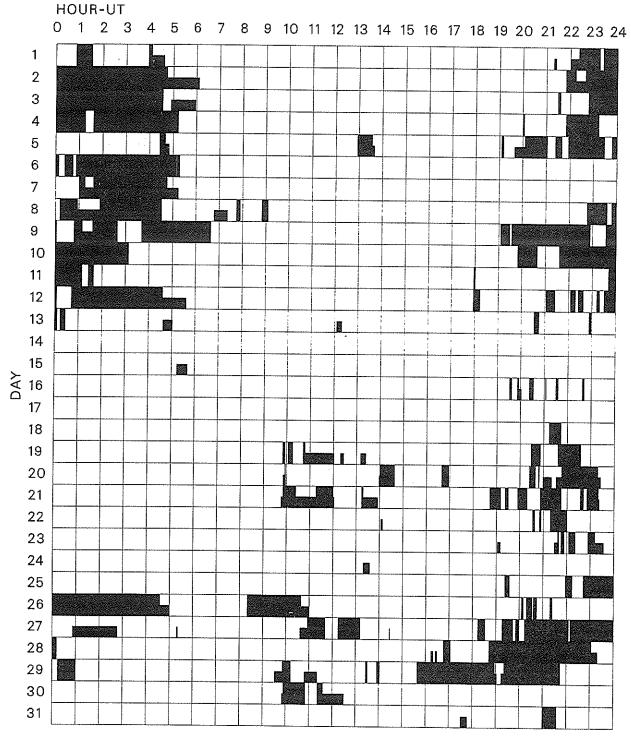
- A = Eruptive prominence whose base is less than 90 degrees from central meridian.
- B = Probably the end of a more important flare.
- C = Invisible 10 minutes before.
- D = Brilliant point.
- E = Two or more brilliant points.
- F = Several eruptive centers.
 G = No visible spots in the neighborhood.
- H = Flare accompanied by high-speed dark filament.
- I = Active region very extended.
- J = Distinct variations of plage intensity before or after the flare.
- K = Several intensity maxima.
- L = Existing filaments show signs of sudden activity.
- M = White-light flare.
- N = Continuous spectrum shows effects of polarization.

- O = Observations have been made in the H and K lines of Ca II.
- P = Flare shows Helium D3 in emission.
- Q = Flare shows Balmer continuum in emission.
- R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
- S = Brightness follows disappearance of filament in same position.
- T = Region active all day.
- U = Two bright branches, parallel or converging.
- V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
- W = Great increase in area after time of maximum intensity.
- X = Unusually wide H-alpha line.
- Y = System of loop-type prominences.
- Z = Major sunspot umbra covered by flare.

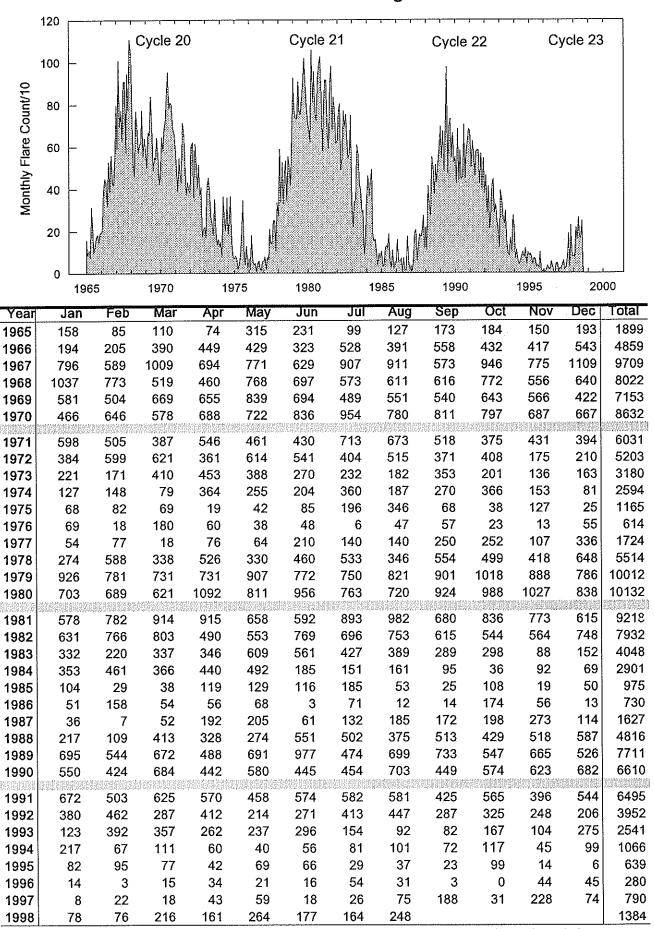
Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

AUGUST 1998



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 Kanzelhoehe Learmonth Ramey Urumqi Hurbanovo Kharkov Mitaka San Vito



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

AUGUST

Day Freq Sta Type (UT) (UT) Duration (Min) Peak Mean (10 -22 W/m 2 Hz) II 01	QL=4 ST=2 TYP=1 QL=4 ST=2 TYP=3 QL=4 ST=3 TYP=3
235 CUBA 44 NS 1300.0E 530.0D 8.0 245 LEAR 43 NS 2323.0 2324.0U 14.0 77.0 245 SGMR 8 S 1554.0 1554.0 1.0 79.0 245 SVTO 8 S 1554.0 1554.0 1.0 71.0 245 SGMR 4 S/F 2323.0 2325.0 2.0 99.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 02	QL=4 ST=2 TYP=3
245 LEAR 43 NS 2323.0 2324.0U 14.0 77.0 245 SGMR 8 S 1554.0 1554.0 1.0 79.0 245 SGMR 8 S 1554.0 1554.0 1.0 71.0 245 PALE 8 S 2323.0 2325.0 2.0 99.0 245 SGMR 4 S/F 2323.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 02	QL=4 ST=2 TYP=3
245 SGMR 8 S 1554.0 1554.0 1.0 79.0 245 SVTO 8 S 1554.0 1554.0 1.0 71.0 245 PALE 8 S 2323.0 2325.0 2.0 99.0 245 SGMR 4 S/F 2323.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 02	QL=4 ST=2 TYP=3
245 SVTO 8 S 1554.0 1554.0 1.0 771.0 245 PALE 8 S 2323.0 2325.0 2.0 99.0 245 SGMR 4 S/F 2323.0 2326.0 3.0 83.0 245 SGMR 8 S 0817.0 0817.0 1.0 76.0 60.0 610 SVTO 8 S 0851.0 0851.0 U 130.0 60.0 610 SVTO 8 S 0851.0 0851.0 1.0 140.0 245 SGMR 8 S 1016.0 1017.0 1.0 93.0 245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 245 SGMR 44 NS 1300.0E 530.0D 18.0 245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 245 SGMR 43 NS 1947.0 1951.0 14.0 140.0 2245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 SGMR 43 NS 2050.0 2057.0 190.0 65.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 2057.0 69.0 65.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 245 SGMR 43 NS 2150.0 2057.0 50.0 100.0 2057.0 20	
245 PALE 8 S 2323.0 2325.0 2.0 99.0 245 SGMR 4 S/F 2323.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 2326.0 3.0 83.0 245 SGMR 8 S 2323.0 2326.0 3.0 83.0 2326.0 3.0 83.0 245 SGMR 8 S 0817.0 0817.0 1.0 76.0 60.0 610 LEAR 8 S 0851.0 0851.0 U 130.0 610 SVTO 8 S 0851.0 0851.0 1.0 140.0 245 SGMR 8 S 1016.0 1017.0 1.0 93.0 245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 245 SGMR 44 NS 1300.0E 530.0D 14.0 18.0 245 SGMR 43 NS 1306.0 1351.0 62.0 59.0 245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 245 SGMR 43 NS 1947.0 1951.0 14.0 140.0 2245 SGMR 43 NS 1947.0 1951.0 14.0 140.0 2245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 SGMR 43 NS 2050.0 2057.0 190.0 65.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 2245 SGMR 43 NS 2150.0 2057.0 5.0 100.0 2245 SVTO 8 S 0742.0 0742.0 1.0 120.0	
02	QL=4 ST=2 TYP=3
02	QL=2 ST=2 TYP=3
610 SVTO 8 S 0817.0 0817.0 1.0 60.0 610 LEAR 8 S 0851.0 0851.0 U 130.0 610 SVTO 8 S 0851.0 0851.0 1.0 140.0 245 SGMR 8 S 1016.0 1017.0 1.0 93.0 245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 03 235 CUBA 44 NS 1300.0E 530.0D 14.0 280 CUBA 44 NS 1300.0E 530.0D 18.0 245 SVTO 43 NS 1306.0 1351.0 62.0 59.0 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 245 SGMR 43 NS 1902.0 1951.0 14.0 140.0 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 245 SGMR 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0	QL=2 ST=2 TYP=3
Color	QL=4 ST=2 TYP=3
610 SVTO 8 S 0851.0 0851.0 1.0 140.0 245 SGMR 8 S 1016.0 1017.0 1.0 93.0 245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 03	QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
245 SGMR 4 S/F 1521.0 1523.0 3.0 51.0 03	QL=2 ST=2 TYP=3
03	QL=4 ST=3 TYP=3
- 280 CUBA 44 NS 1300.0E 530.0D 18.0 - 245 SVTO 43 NS 1306.0 1351.0 62.0 59.0 - 245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 - 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 - 245 PALE 43 NS 1947.0 1951.0 14.0 140.0 - 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 - 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 - 245 PALE 43 NS 2151.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=4 ST=2 TYP=3
- 245 SVTO 43 NS 1306.0 1351.0 62.0 59.0 - 245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 - 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 - 245 PALE 43 NS 1947.0 1951.0 14.0 140.0 - 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 - 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 - 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0	
245 SGMR 43 NS 1306.0 1317.0 164.0 60.0 245 SGMR 43 NS 1902.0 1951.0 59.0 150.0 245 PALE 43 NS 1947.0 1951.0 14.0 140.0 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=4 ST=2 TYP=1
- 245 PALE 43 NS 1947.0 1951.0 14.0 140.0 - 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 - 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 - 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=4 ST=2 TYP=1
- 245 SGMR 43 NS 2050.0 2057.0 7.0 79.0 - 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 - 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=4 ST=2 TYP=1
- 245 PALE 43 NS 2050.0 2057.0 190.0 65.0 - 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=2 ST=2 TYP=1
- 245 PALE 43 NS 2150.0 2057.0 69.0 65.0 - 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 - 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=4 ST=2 TYP=1
☐ 245 SGMR 43 NS 2151.0 2153.0 5.0 100.0 ☐ 245 SVTO 8 S 0742.0 0742.0 1.0 120.0	QL=2 ST=3 TYP=1 QL=2 ST=2 TYP=1
144	QL=4 ST=2 TYP=1
- 410 SVIO 6 5 0742.0 0742.0 1.0 25 6	QL=4 ST=2 TYP=3
	QL=4 ST=2 TYP=3
245 SVTO 8 S 0749.0 0749.0 1.0 60.0 - 410 PALE 4 S/F 1813.0 1816.0 3.0 82.0	QL=4 ST=2 TYP=3
└ 410 SGMR 4 S/F 1813.0 1816.0 3.0 76.0	QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
- 245 PALE 8 \$ 1848.0 1850.0 2.0 68.0	QL=2 ST=2 TYP=3
245 2418 0 3 1350.0 1350.0 0 84.0	QL=4 ST=2 TYP=3
2/F DALF 0 0 4000 0 4000	QL=2 ST=2 TYP=3
245 PALE 8 S 1920.0 1920.0 1.0 53.0 — 245 PALE 8 S 2238.0 2238.0 U 60.0	QL=2 ST=2 TYP=3
└ 245 SGMR 8 S 2238.0 2238.0 U 72.0	QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
04	QL=4 ST=2 TYP=1
- 245 SVTO 43 NS 0415.0 0416.0 14.0 75.0 - 245 SVTO 43 NS 0708.0 0708.0 7.0 69.0	QL=4 ST=2 TYP=1
- 245 SVIO 43 NS 0708.0 0708.0 7.0 69.0 - 245 SVIO 43 NS 0858.0 0914.0 44.0 97.0	QL=4 ST=2 TYP=1
- 245 SGMR 43 NS 1033.0 1041.0 368.0 160.0	QL=4 ST=2 TYP=1 QL=4 ST=2 TYP=1
- 245 SVTO 43 NS 1244.0 1418.0 237.0 120.0	QL=4 ST=2 TYP=1
- 280 CUBA 44 NS 1300.0E 388.0D 18.0	
235 CUBA 44 NS 1332.0E 300.0D 9.0 245 SGMR 43 NS 1905.0 1914.0 10.0 62.0	
- 245 SGMR 43 NS 1905.0 1914.0 10.0 62.0 - 410 LEAR 4 S/F 0132.0 0133.0 6.0 290.0	QL=4 ST=2 TYP=1
- 410 PALE 4 S/F 0132.0 0133.0 6.0 83.0	QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
245 LEAR 8	QL=4 ST=2 TYP=3
└─ 245 PALE 8 S 0225.0 0225.0 1.0 81.0 ├─ 245 PALE 8 S 0418.0 0418.0 1.0 95.0	QL=2 ST=2 TYP=3
245 PALE 8 S 0418.0 0418.0 1.0 95.0 245 SVTO 8 S 0418.0 0418.0 1.0 110.0	QL=2 ST=2 TYP=3
245 SVTO 8 S 0423.0 0423.0 U 100.0	QL=4 ST=2 TYP=3
245 SVTO 8 S 0520.0 0520.0 U 58.0	QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
245 SVTO 8 S 0545.0 0545.0 U 69.0	QL=4 ST=2 TYP=3
245 SVTO 8 S 0633.0 0633.0 1.0 55.0 245 SVTO 8 S 0645.0 0645.0 1.0 91.0	QL=4 ST=2 TYP=3
245 SVTO 8 S 0645.0 0645.0 1.0 91.0 245 SVTO 8 S 0804.0 0805.0 2.0 250.0	QL=4 ST=2 TYP=3
245 SVTO 8 S 0821.0 0822.0 1.0 64.0	QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
245 SVTO 48 C 1029.0 1033.0 5.0 130.0	QL=4 ST=2 TYP=8
245 SVTO 8 S 1040.0 1041.0 2.0 180.0	QL=4 ST=2 TYP=3
- 410 SGMR 8 S 1143.0 1.0 480.0 - 610 SGMR 8 S 1143.0 1.0 32.0	QL=4 ST=2 TYP=3
├─ 610 SGMR 8 S 1143.0 1.0 32.0 ├─ 245 SGMR 8 S 1143.0 1143.0 2.0 150.0	QL=4 ST=2 TYP=3
- 410 SVTO 8 S 1143.0 1143.0 1.0 460.0	QL=4 ST=2 TYP=3
└─ 245 SVTO 8 S 1143.0 1143.0 2.0 210.0	QL=4 ST=2 TYP=3
- 410 SVTO 8 S 1233.0 1235.0 2.0 46.0	QL=4 ST=2 TYP=3
└ 245 SVTO 8 S 1233.0 1233.0 U 110.0	QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3

AUGUST

-	******	***************************************		· · · ·			******		=1	B 7 b				
						Start	Time of Maximum	Duration	Flux Peak	Density Mean				
Day		Freq	Sta	Ту	/pe	(UT)	(UT)	(Min)		W/m 2 Hz)	Int	Remar	`ks	
04			SVTO		s	1428.0	1429.0	1.0	140.0					TYP=3
			SVTO	8	S	1727.0	1727.0	1.0	72.0					TYP=3
	_		SGMR Pale	8 8	S S	1812.0 2229.0	1812.0 2229.0	1.0 U	56.0 89.0					TYP=3 TYP=3
			SGMR	8	S	2229.0	2229.0	Ü	93.0					TYP=3
			PALE	8	s	2241.0	2241.0	Ü	71.0					TYP=3
05			TORN	44	NS	1110.0E	1156.6	60.0D	270.0	20.0		V=1		
	Г		CUBA	44	NS	1300.0E		530.0D		10.0				
			CUBA SGMR	44 43	NS NS	1300.0E 1459.0	1500.0	530.0D 5.0	170.0	20.0		01 -4	cr-2	TYP=1
			SVTO	43	NS	1500.0	1500.0	4.0	150.0					TYP=1
	_		SGMR	43	NS	1629.0	1725.0	58.0	130.0					TYP=1
	L_		SVTO	43	NS	1630.0	1725.0	68.0	75.0					TYP=1
	Г	245	LEAR	43	NS	2339.0	0040.0	608.0	1200.0					TYP=1
	_		PALE PALE	43 8	NS S	2340.0 0106.0	0040.0 0106.0	297.0 1.0	1200.0 69.0					TYP=1 TYP=3
			PALE	8	S	0100.0	0120.0	2.0	62.0					TYP=3
		245	LEAR	8	s	0120.0	0120.0	1.0	59.0					TYP=3
	Γ		LEAR	8	S	0324.0	0324.0	1.0	51.0			QL=4	ST=2	TYP=3
	_		PALE	8	S	0324.0	0324.0	1.0	52.0					TYP=3
			SGMR	8	S	1550.0	1550.0	U	61.0					TYP=3
			SGMR CUBA	8 23	S GRF	1626.0 1831.0	1626.0 2149.0	U 241.0	62.0 13.0	6.0		QL=4 00L	51 = 2	TYP=3
			SGMR	8	S	2101.0	2101.0	1.0	50.0	0.0			ST=2	TYP=3
			SGMR	8	S	2130.0	2131.0	2.0	23.0					TYP=3
	L		SGMR	8	S	2131.0	2131.0	U	430.0					TYP=3
			SGMR	8	S	2213.0	2214.0	1.0	79.0					TYP=3
			SGMR LEAR	4 8	S/F S	2216.0 2316.0	2218.0 2318.0	4.0 2.0	77.0 110.0					TYP=3 TYP=3
			SGMR	8	S	2316.0	2318.0	2.0	100.0					TYP=3
	L		PALE	4	S/F	2317.0	2318.0	4.0	120.0					TYP=3
06	Г		SVTO	43	NS	0437.0	0437.0	U	52.0					TYP=1
	\vdash		SVTO	43	NS	0552.0	1557.0	627.0	280.0					TYP=1
			SGMR TORN	43 44	NS NS	1103.0 1210.0E	1201.0	180.0 170.0D	260.0	30.0		uL=4 V=1	51=2	TYP=1
			SGMR	43	NS	1514.0	1557.0	65.0	320.0	50.0			ST=2	TYP=1
	_		PALE	43	NS	1734.0	2024.0	356.0	220.0					TYP=1
	L		SGMR	43	NS	1734.0	2021.0	361.0	190.0					TYP=1
	Г		LEAR	8	S	0150.0	0151.0	1.0	260.0					TYP=3
	-		LEAR LEAR	8 8	S S	0151.0 0211.0	0151.0 0211.0	U U	21.0 66.0					TYP=3
			LEAR	8	S	0211.0	0212.0	Ü	38.0					TYP=3
			SVTO	8	S	0423.0	0423.0	บ	80.0					TYP=3
			SVTO	8	S	0558.0	0559.0	2.0	140.0			QL=4	ST=2	TYP=3
	Γ-		SVTO	8	S	0629.0	0630.0	1.0	38.0					TYP=3
	ـــــ		SVTO		S	0630.0	0630.0	U	52.0					TYP=3
	_		SVTO SVTO	8 8	S S	1106.0 1133.0	1106.0 1134.0	ປ 1.0	170.0 40.0					TYP=3 TYP=3
	F		SVTO	8	S	1133.0	1134.0	1.0	320.0					TYP=3
	L.	410	SVTO	8	S	1133.0	1134.0	1.0	170.0					TYP=3
			TORN	4	S/F	1223.4U	1223.60	2.00	5200.0	650.0				
			TORN	4	S/F	1228.5U	1229.50	2.00	1500.0	750.0		٠,		TV5 -
			SGMR SGMR	8 8	S S	1255.0 1255.0	1255.0 1255.0	ນ ປ	79.0 120.0					TYP=3 TYP=3
	Г		SVTO	8	S	1255.0	1255.0	U	110.0					TYP=3
	\vdash		SVTO	8	Š	1255.0	1255.0	ŭ	55.0					TYP=3
	L	610	SGMR	8	S	1256.0	1256.0	U	57.0			QL≈4	ST=2	TYP=3
	Г		SGMR	8	S	1340.0	1341.0	1.0	160.0					TYP=3
	l		SVTO	8	S	1340.0	1341.0	1.0	160.0					TYP=3
			SGMR SVTO	49 8	GB S	1358.0 1358.0	1359.0 1359.0	1.0 1.0	550.0 480.0					TYP=6 TYP=3
	_		SGMR	48	C	1403.0	1406.0	3.0	85.0					TYP=8
	L		SVTO	8	s	1403.0	1404.0	2.0	82.0					TYP=3
	Г	410	SGMR	4	S/F	1444.0	1445.0	3.0	120.0			QL=4	ST=2	TYP=3
	_		SVTO	4	S/F	1444.0	1445.0	3.0	120.0					TYP=3
			SVTO SVTO	8 48	S	1514.0 1514.0	1515.0 1515.0	1.0 5.0	180.0 52.0					TYP=3
	_	4 I U	3410	40		1214.0	0.01	٠.٠	J2.U			wL-4	31-2	TYP=8

AUGUST

				AUGU	ST I	998				
Day	Freq Sta	Туре	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux De Peak (10 -22 W,	Mean	Int	Remarks	***************************************
	2800 PENT 245 SVTO 610 PALE 410 PALE 1415 PALE 1415 SGMR 610 SGMR 245 SGMR 245 SGMR 245 PALE 410 PALE 245 PALE 610 PALE 245 SGMR 245 PALE 610 SGMR 245 PALE 610 SGMR 245 SGMR 245 PALE 610 SGMR 245 PALE 410 SGMR 245 SGMR 245 SGMR 245 SGMR 245 PALE 245 SGMR	1 8 4 4 8 8 8 8 8 4 4 8 8 8 9 S GB/F S GB S G	1557.0 1612.0 1759.0 1759.0 1800.0 1800.0 1800.0 1800.0 1800.0 1800.0 1800.0 1947.0 1947.0 1947.0 1947.0 1948.0 1953.0 1953.0 1953.0 1958.0 1958.0 1958.0 1958.0 2023.0 2024.0 2025.0	1602.0 1613.0 1800.0 1801.0 1800.0 1800.0 1800.0 1800.0 1800.0 1800.0 1801.0 1800.0 1804.0 1951.0 1953.0 1953.0 1953.0 1954.0 1959.0 1953.0 1954.0 1959.0 1958.0 1959.0 1958.0 2006.0 2006.0 2006.0 2006.0 2016.0	11.0 1.0 3.0 2.0 1.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	11.0 130.0 45.0 34.0 54.0 92.0 95.0 34.0 50.0 120.0 76.0 72.0 210.0 1500.0 300.0 140.0 740.0 66.0 250.0 310.0 320.0 1100.0 8300.0 130.0 120.0 1100.0 8300.0 130.0 1200.0 4800.0 110.0 240.0 370.0 310.0 170.0 100.0 67.0 30.0 79.0 17.0 74.0 880.0 72.0 2400.0			QL=2 ST=3 QL=4 ST=2 QL=4 ST=2 QL=4 ST=2 QL=4 ST=2 QL=4 ST=2 QL=4 ST=2 QL=4 ST=2 QL=4 ST=3 QL=2 ST=3 QL=2 ST=3 QL=4 ST=2 QL=4 ST=2	TYP=3 TYP=3 TYP=3 TYP=3 TYP=3 TYP=3 TYP=3 TYP=6 TYP=6 TYP=6 TYP=6 TYP=7 TYP=6 TYP=7 TYP=6 TYP=7
07	245 PALE 245 SVTO 127 TORN 235 CUBA 280 CUBA 245 SVTO 245 PALE 2800 PENT 245 LEAR 410 LEAR 245 LEAR 245 LEAR 410 LEAR 245 LEAR 410 LEAR 2840 BEIJ 245 LEAR 410 LEAR 410 LEAR 2840 BEIJ 245 LEAR 410 LEAR 410 LEAR 2840 BEIJ 245 LEAR 410 LEAR 2840 BEIJ 245 LEAR 2840 BEIJ 284	43 NS 44 NS 44 NS 44 NS 43 NS 43 NS 43 NS 43 S 5	0318.0 0926.0 1250.0E 1300.0E 1300.0E 1605.0 1643.0 1651.0 0002.0 0149.0 0142.0 0148.0 0316.0 0318.0 0318.0 0318.0 0318.0 0318.0 0318.0 0318.0 0318.0	0318.0 0927.0 1651.0 1734.0 1651.0 0007.0 0140.0 0143.0 0148.0 0148.0 0317.2 0318.0 0321.0 0318.0 0318.0 0318.0 0318.0	29.0 36.0 130.0D 530.0D 530.0D 174.0 53.0 49.0 10.0 3.0 2.0 1.0 2.0 1.0 2.0 1.0 3.0 2.0 1.0 3.0 2.0	140.0 110.0 130.0 230.0 100.0 4.0 69.0 39.0 220.0 220.0 40.0 13.7 130.0 21.0 17.0 13.0 60.0 11.0 46.0 93.0	10.0 15.0 24.0		QL=2 ST=2 QL=4 ST=2 V=1,DISTURI QL=4 ST=3 QL=4 ST=2 QL=4 ST=2	TYP=1 BED TYP=1 TYP=1 TYP=3

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

AUGUST

				AUGUL	J.L	790			
				Time of		Flux	Density		
		_	Start	Maximum	Duration	Peak	Mean	_	
Day	Freq Sta	Type	(UT)	(UT)	(Min)	(10 -22	W/m 2 Hz)	Int	Remarks
07	410 SGMR	8 S	1223.0	1223.0	1.0	16.0			QL=4 ST=2 TYP=3
•	└ 245 SGMR	8 S	1223.0	1223.0	1.0	57.0			QL=4 ST=2 TYP=3
	245 SGMR	49 GB	1227.0	1228.0	2.0	580.0			QL=4 ST=2 TYP=6
	└─ 410 SGMR	8 S	1227.0	1228.0	2.0	7.0			QL=4 ST=2 TYP=3
	E 245 SVTO	48 C	1507.0	1510.0	3.0	100.0			QL=4 ST=3 TYP=8
	└ 245 SGMR	4 S/F	1508.0	1510.0	5.0	84.0			QL=4 ST=2 TYP=3
	6700 CUBA	1 S	1522.8	1523.7	2.0	9.0	4.0		8R
	6700 CUBA — 245 PALE	20 GRF 4 S/F	1948.0 2233.0	1950.0 2236.0	20.0 7.0	8.0 130.0	4.0		9L QL=2 ST=2 TYP=3
	245 SGMR	48 C	2235.0	2236.0	3.0	150.0			QL=4 ST=2 TYP=8
	☐ 2800 PENT	1 s	2336.0	2337.0	23.0	6.0			42 . 0. 2 0
80	245 SGMR 245 LEAR	43 NS 43 NS	2157.0 2341.0	2157.0 2349.0	60.0 71.0	50.0 53.0			QL=4 ST=2 TYP=1
	2840 BEIJ	45 M3 4 S/F	0153.0	0215.0	52.0	40.0	26.3		QL=4 ST=2 TYP=1
	- 2840 BEIJ	4 S/F	0314.0	0316.0	8.0	128.0	84.3		
	-15400 LEAR	49 GB	0314.0	0315.0	3.0	1300.0	01.0		QL=4 ST=2 TYP=6
	- 610 LEAR	8 S	0314.0	0314.0	2.0	75.0			QL=4 ST=2 TYP=3
	- 1415 LEAR	8 S	0314.0	0314.0	2.0	280.0			QL=4 ST=2 TYP=3
	─ 8800 LEAR	4 S/F	0314.0	0315.0	3.0	380.0			QL=4 ST=2 TYP=3
	— 245 LEAR	49 GB	0314.0	0317.0	7.0	35000.0			QL=4 ST=2 TYP=6
	- 2695 LEAR	8 S	0314.0	0315.0	2.0	140.0			QL=4 ST=2 TYP=3
	- 4995 LEAR	88	0314.0	0315.0	2.0	180.0			QL=4 ST=2 TYP=3
	610 PALE8800 PALE	8 S 4 S/F	0314.0 0314.0	0314.0 0315.0	2.0 3.0	74.0 270.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 4995 PALE	8 S	0314.0	0315.0	2.0	180.0			QL=4 ST=2 TYP=3
	- 245 PALE	49 GB	0314.0	0317.0	7.0	40000.0			QL=2 ST=2 TYP=6
	- 1415 PALE	8 S	0314.0	0314.0	2.0	280.0			QL=4 ST=2 TYP=3
	_ 2700 PURP	4 S/F	0314.0	0315.5	4.0	141.2			
	- 2800 HIRA	4 S/F	0314.7	0316.0	3.5	130.0	30.0		WR
	- 410 LEAR	49 GB	0315.0	0316.0	2.0	690.0			QL=4 ST=2 TYP=6
	-15400 PALE	49 GB 49 GB	0315.0 0315.0	0315.0	2.0 2.0	1100.0 1900.0			QL=2 ST=2 TYP=6
		8 S	0315.0	0316.0 0315.0	1.0	120.0			QL=2 ST=2 TYP=6 QL=4 ST=2 TYP=3
	_ 4995 SGMR	20 GRF	1244.0	1454.0	297.0	31.0			QL=4 ST=2 TYP=2
	8800 SGMR	46 C	1244.0	1451.0	676.0	47.0			QL=4 ST=2 TYP=8
	- 4995 SGMR	20 GRF	1244.0	1454.0	676.0	31.0			QL=4 ST=3 TYP=2
	— 4995 SGMR	46 C	1244.0	1454.0	676.0	31.0			QL=4 ST=2 TYP=8
	8800 SGMR	20 GRF	1244.0	1317.0	676.0	31.0			QL=4 ST=3 TYP=2
	─ 8800 SGMR	4 S/F	1244.0	1317.0	676.0	31.0			QL=4 ST=3 TYP=3
	- 4995 SGMR	20 GRF	1244.0	1605.0	676.0	19.0			QL=4 ST=3 TYP=2
	- 4995 SGMR	20 GRF 20 GRF	1244.0 1244.0	1246.0	676.0	19.0			QL=4 ST=3 TYP=2
	─ 8800 SGMR ─ 8800 SGMR	20 GRF	1244.0	1358.0 1450.0	676.0 676.0	33.0 46.0			QL=4 ST=3 TYP=2 QL=4 ST=3 TYP=2
	8800 SGMR	20 GRF	1244.0	1451.0	676.0	47.0			QL=4 ST=3 TYP=2
	8800 SGMR	20 GRF	1244.0	1559.0	676.0	46.0			QL=4 ST=3 TYP=2
	2800 PENT	1 S	1453.0	1454.0	3.0	5.0			
	8800 SGMR	4 S/F	1841.0	1844.0	6.0	130.0			QL=4 ST=2 TYP=3
	245 SGMR	8 S	2151.0	2151.0	1.0	100.0			QL=4 ST=2 TYP=3
	2840 BEIJ	4 S/F	2334.0	2336.0	4.0	16.3	10.3		
	└ 2800 PENT	1 S	2335.0	2337.0	4.0	9.0			
09	245 LEAR	44 NS	0202.0E	0208.0	8.0D	210.0			QL=4 ST=1 TYP=1
	- 245 LEAR	43 NS	0202.0	0208.00	1318.0	210.0			QL=4 ST=1 TYP=1
	— 127 TORN	44 NS	0700.0E		130.0D		40.0		V=2
	└ 245 svto	43 NS	0728.0	0728.0	14.0	78.0			QL=4 ST=2 TYP=1
	_ 280 CUBA	44 NS	1300.0E		530.0D		27.0		
	□ 235 CUBA	44 NS 4 S/F	1300.0E	0205.00	530.0D	99.0	15.0		DI -/ CT-1 TVD-7
	C 245 LEAR 245 LEAR	4 S/F 4 S/F	0202.0 0202.0	0203.0U 0208.0U	1318.0 1318.0	88.0 210.0			QL=4 ST=1 TYP=3 QL=4 ST=1 TYP=3
	- 410 LEAR	8 S	0208.0	0208.0	U	140.0			QL=4 ST=2 TYP=3
	└ 410 PALE	8 S	0208.0	0208.0	Ū	72.0			QL=4 ST=2 TYP=3
	245 LEAR	8 S	0506.0	0506.0	2.0	64.0			QL=4 ST=2 TYP=3
	└ 245 SVTO	8 S	0506.0	0506.0	U	75.0			QL=4 ST=2 TYP=3
	- 410 LEAR	8 S	0739.0	0740.0	1.0	32.0			QL=4 ST=2 TYP=3
	- 245 LEAR - 410 SVTO	8 S 8 S	0740.0 0740.0	0740.0 0740.0	U U	98.0 31.0			QL=4 ST=2 TYP=3
	245 SVTO	8 S	0740.0	0740.0	U	120.0			QL=2 ST=2 TYP=3 QL=2 ST=2 TYP=3
	2840 BEIJ	46 C	0832.0	0847.0	22.0	21.5	13.6		

AUGUST

					Start	Time of Maximum	Dunation		Density		
Day	Freq	Sta	T	ype	(UT)	Maximum (UT)	Duration (Min)	Peak (10 -22	Mean W/m 2 Hz)	Int	Remarks
09	F 4995		4		0842.0	0844.0	6.0	62.0		···	QL=2 ST=3 TYP=3
	- 8800 4005		4	-	0843.0	0844.0	4.0	55.0			QL=4 ST=2 TYP=3
	- 4995 - 8800		4	-	0843.0 0843.0	0844.0	4.0	50.0			QL=4 ST=2 TYP=3
	-15400 E		8		0846.0	0844.0 0848.0	4.0	62.0			QL=2 ST=3 TYP=3
	L15400		8		0846.0	0848.0	2.0 2.0	25.0 15.0			QL=4 ST=3 TYP=3
	2800 1		1	S	1416.0	1417.0	4.0	6.0			QL=4 ST=3 TYP=3
	F 6700 (46	C	1710.8	1716.2	8.6	483.0			8L
	<u> </u>		4	S/F	1712.0	1716.0	8.0	150.0			QL=4 ST=2 TYP=3
	- 8800 I	PALE	4	S/F	1712.0	1716.0	6.0	200.0			QL=4 ST=2 TYP=3
	- 2695 I - 2695 S	PALE	4	S/F	1712.0	1716.0	6.0	83.0			QL=4 ST=2 TYP=3
	- 8800 s	CUD	4	S/F S/F	1712.0 1712.0	1716.0 1716.0	8.0	100.0			QL=4 ST=2 TYP=3
	4995		4	S/F	1712.0	1716.0	10.0 10.0	210.0 150.0			QL=2 ST=2 TYP=3
	- 1415 F		4	S/F	1714.0	1716.0	4.0	79.0			QL=4 ST=2 TYP=3
	—15400 F		4	S/F	1714.0	1716.0	5.0	170.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
	├-15400 s		4	S/F	1714.0	1716.0	4.0	190.0			QL=4 ST=2 TYP=3
	1415 9		4	S/F	1714.0	1716.0	8.0	77.0			QL=4 ST=2 TYP=3
	245 9		4	S/F	1715.0	1715.0	7.0	33.0			QL=4 ST=2 TYP=3
	610 s		4	S/F S/F	1716.0 1716.0	1716.0	6.0	27.0			QL=4 ST=2 TYP=3
	6700 0		29	PBI	1719.4	1716.0	6.0 18 /	28.0	27.0		QL=4 ST=2 TYP=3
	245 P		8	S	1728.0	1728.0	18.4 1.0	54.0 110.0	27.0		00L
	L 245 s		8	s	1728.0	1728.0	1.0	120.0			QL=2 ST=2 TYP=3
	6700 C		31	ABS	1737.0	1743.2	7.7	4.0	2.0		QL=4 ST=2 TYP=3 42R
	_ 6700 C		21	GRF	1746.0	1757.0	27.0	8.0	4.0		5L
	⊢ 245 P	PALE	8	S	1749.0	1750.0	2.0	250.0			QL=2 ST=2 TYP=3
	2800 P		1	S	1749.0	1750.0	2.0	4.0			
	6700 0		8	S S	1749.0 1942.5	1750.0 1943.9	2.0	250.0	40.		QL=4 ST=2 TYP=3
	- 410 P		8	\$	2029.0	2030.0	4.5 1.0	21.0 120.0	10.0		5A
	└ 410 s	GMR	8	Š	2030.0	2030.0	U	120.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	2800 P	ENT	28	PRE	2047.0	2052.0	17.0	12.0			4L-4 31-2 11P=3
	410 s		8	S	2111.0	2112.0	1.0	62.0			QL=4 ST=2 TYP=3
	410 S		8	\$	2129.0	2129.0	U	70.0			QL=4 ST=2 TYP=3
	☐ 6700 C		21	GRF	2152.0	2155.0	9.00	11.0	5.0U		00L
	245 S		2 4	S/F S/F	2152.6 2210.0	2153.4 2219.0	1.4	13.0	6.0		12L
	245 P.		8	\$	2219.0	2219.0	10.0 U	57.0			QL=4 ST=2 TYP=3
	245 S		8	Š	2226.0	2228.0	2.0	51.0 400.0			QL=2 ST=2 TYP=3
	└ 245 P.	ALE	8	S	2227.0	2228.0	1.0	450.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
10	410 S		43	NS	0809.0	0847.0	55.0	100.0			QL=4 ST=3 TYP=1
	127 To	CMD	44 43	NS	1246.0E	1257.0	5.0D	40.0			V=1
	- 1415 S	GMR	43	NS NS	1257.0 1257.0	1257.0 1257.0	U 60.0	42.0			QL=4 ST=3 TYP=1
	- 410 S		43	NS	1300.0	1342.0	207.0	42.0 270.0			QL=4 ST=3 TYP=1
	- 245 S	VTO	43	NS	1305.0	1343.0	233.0	360.0			QL=4 ST=3 TYP=1 QL=4 ST=3 TYP=1
	— 245 St	GMR	43	NS	1307.0	1339.0	219.0	300.0			QL=4 ST=2 TYP=1
	- 245 St		43	NS	1307.0	1339.0	653.0	300.0			QL=4 ST=2 TYP=1
	⊢ 610 P/		43	NS	1730.0	1730.0U	46.0	86.0			QL=4 ST=2 TYP=1
	└ 410 St		43	NS	1752.0	1754.0	66.0	65.0			QL=4 ST=2 TYP=1
	- 610 P/		43 43	NS	2007.0	2126.0	111.0	110.0			QL=2 ST=2 TYP=1
	245 St		43	NS NS	2007.0 2035.0	2026.0 2049.0	122.0	110.0			QL=4 ST=2 TYP=1
	- 245 PA		43	NS	2042.0	2049.0	65.0 74.0	95.0 81.0			QL=4 ST=2 TYP=1
	- 410 sc		43	NS	2111.0	2158.0	64.0	150.0			QL=2 ST=2 TYP=1
	410 PA	ALE	43	NS	2112.0	2158.0	63.0	150.0			QL=4 ST=2 TYP=1 QL=2 ST=2 TYP=1
	245 P#	ALE	8	S	0018.0	0018.0	Ü	160.0			QL=2 ST=2 TYP=3
	245_P#		4	S/F	0153.0	0156.0	3.0	110.0			QL=2 ST=2 TYP=3
	- 610 PA		4	S/F	0153.0	0156.0	3.0	18.0			QL=4 ST=2 TYP=3
	- 410 PA - 610 LE		4	S/F	0153.0	0156.0	3.0	22.0			QL=4 ST=2 TYP=3
	- 245 LE		4	S/F S/F	0154.0 0154.0	0156.0	3.0	14.0			QL=4 ST=2 TYP=3
	410 LE		4	S/F	0154.0	0156.0 0156.0	3.0 3.0	99.0			QL=4 ST=2 TYP=3
	_ 410 LE		_	S .	0219.0	0219.0	3.U U	18.0 6.0			QL=4 ST=2 TYP=3
	- 245 LE	AR		Š	0219.0	0219.0	U	86.0			QL=4 ST=2 TYP=3
	└ 245 PA	\LE	8	S	0219.0	0219.0	ŭ	77.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
	245 LE	AR	8	\$	0348.0	0348.0	Ū	51.0			QL=4 ST=2 TYP=3
											UI-C IIF-3

AUGUST

						AUGU	21 T	990			
3						Time of		Flux	Density		
					Start	Maximum	Duration	Peak	Mean		
Day	Freq	Sta	Ty	pe –	(UT)	(UT)	(Min)	(10 -22	W/m 2 Hz)	Int	Remarks
10	2/5	LEAR	4	S/F	0519.0	0521.0	5.0	58.0			QL=4 ST=2 TYP=3
10		SVTO	48	C	0519.0	0521.0	5.0	50.0			QL=4 ST=2 TYP=8
		LEAR	8	Š	0705.0	0705.0	1.0	210.0			QL=4 ST=2 TYP=3
		SVTO	8	S	0705.0	0705.0	1.0	260.0			QL=4 ST=2 TYP=3
		SVTO	4	S/F	0715.0	0717.0	3.0	160.0			QL=4 ST=2 TYP=3
		LEAR	8	S	0716.0	0717.0	1.0	120.0			QL=4 ST=2 TYP=3
		LEAR	20	GRF	0752.0 0752.0	0757.0 0758.0	24.0 24.0	70.0			QL=4 ST=2 TYP=2
		LEAR LEAR	20 20	GRF GRF	0752.0	0.808.0	24.0	45.0 48.0			QL=4 ST=2 TYP=2 QL=4 ST=2 TYP=2
		LEAR	8	S	0813.0	0814.0	1.0	8.0			QL=4 ST=2 TYP=3
		LEAR	8	S	0813.0	0814.0	1.0	9.0			QL=4 ST=2 TYP=3
		SVTO	8	S	0813.0	0814.0	1.0	170.0			QL=2 ST=3 TYP=3
		LEAR	8	S	0814.0	0814.0	U	72.0			QL=4 ST=2 TYP=3
		LEAR	8 8	S S	0814.0 0814.0	0814.0 0814.0	U U	67.0 110.0			QL=4 ST=2 TYP=3 QL=2 ST=3 TYP=3
	L 2840	SVTO	1	S	0814.0	0814.4	1.0	12.6	8.2		Mr-5 21-3 115-3
		LEAR	8	S	0822.0	0822.0	2.0	100.0	012		QL=4 ST=2 TYP=3
	610	LEAR	8	S	0836.0	0837.0	2.0	59.0			QL=4 ST=2 TYP=3
		LEAR	4	S/F	0842.0	0847.0	6.0	56.0			QL=4 ST=2 TYP=3
		LEAR	48	C	0843.0	0847.0	5.0	70.0			QL=4 ST=2 TYP=8
		SGMR SGMR	4	S/F S/F	1039.0 1039.0	1039.0 1039.0	6.0 6.0	110.0 82.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	1	SGMR	8	S	1039.0	1039.0	U.U	17.0			QL=4 ST=2 TYP=3
		SGMR	8	s	1051.0	1051.0	1.0	71.0			QL=4 ST=2 TYP=3
		SVTO	8	S	1051.0	1051.0	1.0	59.0			QL=4 ST=3 TYP=3
		SGMR	8	S	1102.0	1102.0	U	73.0			QL=4 ST=2 TYP=3
		SVTO	8	S	1102.0	1102.0	Ų	71.0			QL=4 ST=3 TYP=3
		SGMR SGMR	8 8	S S	1212.0 1212.0	1213.0 1212.0	1.0 1.0	20.0 230.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
		SVTO	8	s	1212.0	1212.0	1.0	200.0			QL=4 ST=2 TYP=3
		SGMR	8	S	1217.0	1218.0	1.0	50.0			QL=4 ST=3 TYP=3
		SGMR	8	S	1218.0	1218.0	U	36.0			QL=4 ST=3 TYP=3
		SGMR	8	S	1251.0	1251.0	U	100.0			QL=4 ST=3 TYP=3
		SVTO SVTO	8 4	S S/F	1251.0 1256.0	1251.0 1257.0	ປ 3.0	83.0 41.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
		SVTO	49	GB	1357.0	1358.0	1.0	550.0			QL=2 ST=2 TYP=6
	— 245	SGMR	8	S	1426.0	1426.0	1.0	430.0			QL=4 ST=2 TYP=3
		SVTO	8	\$	1426.0	1426.0	1.0	490.0			QL=4 ST=2 TYP=3
		SGMR	8	S	1723.0	1724.0	1.0	55.0			QL=4 ST=2 TYP=3
		SGMR	8	S	1732.0	1732.0	1.0	64.0			QL=4 ST=2 TYP=3
		SGMR Pale	4 8	S/F S	1841.0 1842.0	1842.0 1842.0	3.0 1.0	85.0 81.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
		PALE	8	s	1920.0	1920.0	1.0	87.0			QL=4 ST=2 TYP=3
		SGMR	8	S	1920.0	1920.0	1.0	90.0			QL=4 ST=2 TYP=3
	610	SGMR	8	S	1933.0	1935.0	2.0	50.0			QL=4 ST=2 TYP=3
		PALE	8	S	2059.0	2059.0	1.0	63.0			QL=4 ST=2 TYP=3
		LEAR PALE	4	S/F	2309.0 2309.0	2310.0 2310.0	6.0 1.0	71.0 80.0			QL=4 ST=2 TYP=3
	245	LEAR	8 8	S S	2350.0	2350.0	U	72.0			QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
		PALE	8	S	2350.0	2350.0	ŭ	79.0			QL=2 ST=3 TYP=3
							4.				
11		LEAR	43	NS	0129.0	0133.0	64.0	55.0			QL=4 ST=2 TYP=1
		PALE SVTO	43 43	NS NS	0344.0 0416.0	0423.0 0421.0U	52.0 1184.0	130.0 120.0			QL=2 ST=2 TYP=1
		SVTO	43 43	NS NS	0416.0	0421.00 0430.0U	1184.0	160.0			QL=4 ST=1 TYP=1 QL=4 ST=1 TYP=1
		SVTO	43	NS	0421.0	0428.0	7.0	73.0			QL=4 ST=2 TYP=1
	L 610	LEAR	43	NS	0439.0	0443.0	74.0	50.0			QL=4 ST=2 TYP=1
		SGMR	43	NS	1135.0	1256.0	92.0	140.0			QL=4 ST=2 TYP=1
		SVTO	43	NS	1151.0	1304.0	172.0	200.0	10.0		QL=4 ST=2 TYP=1
		CUBA	44 44	NS NS	1300.0E 1300.0E		530.0D		19.0		
		CUBA SGMR	44 43	NS NS	1420.0	1427.0	530.0D 23.0	280.0	16.0		QL=4 ST=2 TYP=1
		SGMR	43	NS	1555.0	1613.0	18.0	230.0			QL=4 ST=2 TYP=1
		SVTO	43	NS	1606.0	1607.0	10.0	150.0			QL=4 ST=2 TYP=1
		SGMR	43	NS	1652.0	1653.0	41.0	73.0			QL=4 ST=2 TYP=1
		SGMR	43	NS	2017.0	2017.0	3.0	91.0			QL=4 ST=2 TYP=1
		LEAR PALE	8 8	S S	0.000 0.0000	0000.0 0000.0	U U	110.0 1 00. 0			QL=4 ST=2 TYP=3
		PALE	8	S	0112.0	0112.0	U	63.0			QL=2 ST=2 TYP=3 QL=2 ST=2 TYP=3
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AUGUST

200	TORUGAL				Time of		Flux D	ensity		
Day		Enca Cto	T	Start	Maximum	Duration	Peak	Mean		
Day		Freq Sta	Туре	(UT)	(UT)	(Min)	(10 -22 W	/m 2 Hz)	Int	Remarks
11		610 LEAR	8 s	0157.0	0157.0	U	66.0			QL=4 ST=2 TYP=
	_	610 PALE	8 S	0157.0	0157.0	U	62.0			QL=2 ST=2 TYP=
		245 PALE 245 SVTO	49 GE 8 S	0402.0 0603.0	0402.0	1.0	900.0			QL=2 ST=2 TYP=
		245 SVTO	8 S	1255.0	0604.0 1256.0	1.0	60.0			QL=2 ST=2 TYP=
		245 SGMR	8 S	1345.0	1347.0	1.0 2.0	230.0 95.0			QL=2 ST=2 TYP=3
		245 SVTO	8 S	1427.0	1427.0	U	360.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
		245 SVTO	8 S	1654.0	1654.0	Ū	73.0			QL=2 ST=2 TYP=3
		245 PALE	8 S	1855.0	1855.0	U	62.0			QL=4 ST=2 TYP=
		245 SGMR	8 S	1855.0	1855.0	U	64.0			QL=4 ST=2 TYP=3
		245 PALE 245 SGMR	8 S 8 S	1928.0 1928.0	1928.0 1928.0	1.0 1.0	60.0 75.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
12		2/E EAD	/7 vc	2750.0						WL-4 51-2 11F-1
12		245 LEAR 15400 LEAR	43 NS 4 S/		0655.0U 0358.0	599.0 3.0	220.0 11.0			QL=4 ST=2 TYP=1
		1415 LEAR	4 S/		0358.0	3.0	47.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
		8800 LEAR	4 S/	F 0357.0	0358.0	5.0	12.0			QL=4 ST=2 TYP=3
	-	2695 LEAR	8 S	0357.0	0358.0	2.0	68.0			QL=4 ST=2 TYP=3
	-	245 LEAR	8 \$	0357.0	0357.0	U	88.0			QL=4 ST=2 TYP=3
	_	2700 PURP 245 SVTO	1 S	0358.0	0358.4	8.0	8.8			
		245 SVIO	8 S 8 S	0610.0 0611.0	0611.0 0611.0	1.0	79.0			QL=4 ST=2 TYP=3
	r=	245 LEAR	4 S/		0655.0	ນ 3.0	120.0 74.0			QL=4 ST=2 TYP=3
	L	245 SVTO	8 S	0655.0	0655.0	J.U	68.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	Γ	245 LEAR	8 S	0744.0	0745.0	1.0	54.0			QL=4 ST=2 TYP=3
	ᆫ	245 SVTO	8 S	0744.0	0745.0	1.0	52.0			QL=4 ST=2 TYP=3
		245 LEAR	8 S	0841.0	0843.0	2.0	60.0			QL=4 ST=2 TYP=3
	_	245 SVTO 245 PALE	8 S 8 S	0842.0 1816.0	0843.0 1817.0	1.0	63.0			QL=4 ST=2 TYP=3
	L,	245 SGMR	8 S	1817.0	1817.0	2.0 U	170.0 190.0			QL=4 ST=3 TYP=3
	Γ	245 PALE	8 S	1833.0	1833.0	1.0	290.0			QL=4 ST=2 TYP=3
	L	245 SGMR	8 S	1833.0	1833.0	1.0	300.0			QL=4 ST=2 TYP=3 QL=4 ST=3 TYP=3
	Г	245 PALE	8 S	1923.0	1924.0	1.0	430.0			QL=4 ST=2 TYP=3
	\vdash	245 SGMR	8 \$	1923.0	1924.0	1.0	430.0			QL=4 ST=2 TYP=3
	_	410 PALE 245 PALE	8 \$	1924.0	1924.0	Ū	66.0			QL=4 ST=2 TYP=3
		245 PALE 245 SGMR	8 S 8 S	1959.0 1959.0	1959.0 1959.0	2.0	340.0			QL=4 ST=2 TYP=3
	L	410 SGMR	8 S	2000.0	2001.0	1.0 2.0	140.0 15.0			QL=4 ST=2 TYP=3
		245 SGMR	4 S/I		2032.0	3.0	59.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	Г	245 PALE	8 S	2143.0	2143.0	U	170.0			QL=4 ST=2 TYP=3
	_	245 SGMR	8 \$	2143.0	2143.0	1.0	180.0			QL=4 ST=2 TYP=3
13		245 PALE	43 NS	0.8000	0.8000	54.0	210.0			QL=4 ST=2 TYP=1
		245 SVTO	43 NS	0422.0	0738.0	649.0	170.0			QL=4 ST=2 TYP=1
		245 SGMR 280 CUBA	43 NS 44 NS	1250.0	1442.0	409.0	250.0			QL=4 ST=2 TYP=1
		235 CUBA	44 NS 44 NS	1400.0E 1400.0E		240.0D 470.0D		22.0		
	\vdash	245 PALE	43 NS	1727.0	1727.0	156.0	380.0	13.0		01-/ 07-7 TVD 4
	L	610 SVTO	43 NS	2050.0	2055.0	1323.0	480.0			QL=4 ST=3 TYP=1 QL=4 ST=2 TYP=1
		245 SVTO	8 S	0509.0	0509.0	U	120.0			QL=2 ST=2 TYP=3
		245 SVT0	8 S	0526.0	0526.0	U	140.0			QL=2 ST=2 TYP=3
		245 SVTO	8 S	0655.0	0655.0	1.0	260.0			QL=2 ST=2 TYP=3
		245 SVTO 410 SGMR	8 S 8 S	0931.0 1033.0	0932.0 1033.0	1.0	180.0			QL=2 ST=2 TYP=3
		245 SGMR	8 S	1046.0	1033.0	1.0 U	64.0 120.0			QL=4 ST=2 TYP=3
		245 SVTO	8 S	1048.0	1048.0	1.0	120.0			QL=4 ST=2 TYP=3
		245 SGMR	4 S/F		1125.0	5.0	220.0			QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
		245 SVTO	8 S	1121.0	1121.0	U	120.0			QL=2 ST=2 TYP=3
		245 SGMR	8 \$	1214.0	1214.0	U	67.0			QL=4 ST=2 TYP=3
		245 SVTO	8 S	1324.0	1324.0	U	160.0			QL=2 ST=2 TYP=3
		245 SVTO 245 SGMR	8 S 8 S	1342.0 1343.0	1343.0 1343.0	1.0	52.0			QL=2 ST=2 TYP=3
	5 2	240 SGMK 2800 PENT	1 S	1406.0	1408.0	u 9.0	52.0 6.0			QL=4 ST=2 TYP=3
		1415 SGMR	4 S/F		1409.0	3.0	6.0 66.0			OL=/ CT=0 TV5 7
	1	1415 SVTO	8 \$	1408.0	1409.0	1.0	77.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	L 2	2695 SVTO	8 \$	1409.0	1409.0	U	22.0			QL=4 ST=2 TYP=3
		245 SVTO	8 S	1442.0	1442.0	U	360.0			QL=2 ST=2 TYP=3
		235 CUBA	7 C	1504.2	1506.3	5.8	144.0			
		280 CUBA	7 C	1504.2	1506.3	5.0	8.3			
							*			

AUGUST

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			C4	Time of	D + *		Density		
Day	Freq Sta	Type	Start (UT)	Maximum (UT)	Duration (Min)	Peak (10 -22	Mean W/m 2 Hz)	Int	Remarks
	1 4/45 0000	/ 6/5	1504.0	4507.0	7.0				o. / az a zua z
13	─ 1415 SGMR	4 S/F 29 PBI	1506.0 1507.0	1507.0 1507.0	3.0 4.0	29.0 18.0			QL=4 ST=2 TYP=3
	- 245 SGMR	8 S	1507.0	1507.0	2.0	260.0			QL=4 ST=2 TYP=3
	— 2695 SGMR	8 S	1507.0	1507.0	2.0	19.0			QL=4 ST=2 TYP=3
	- 4995 SGMR	8 S	1507.0	1507.0	2.0	14.0			QL=4 ST=2 TYP=3
	610 SGMR	8 \$ 8 \$	1507.0 1507.0	1507.0	2.0	80.0			QL=4 ST=2 TYP=3
	- 410 SGMR - 1415 SVTO	8 S	1507.0	1507.0 1507.0	2.0 1.0	31.0 33.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 2695 SVTO	8 S	1507.0	1507.0	U	24.0			QL=4 ST=2 TYP=3
	- 410 SVTO	8 S	1507.0	1508.0	1.0	33.0			QL=4 ST=2 TYP=3
	- 610 SVTO	8 S	1507.0	1507.0	1.0	48.0			QL=4 ST=2 TYP=3
	245 SVTO	8 \$	1507.0	1507.0	2.0	260.0	F 0		QL=2 ST=2 TYP=3
	└ 6700 CUBA 245 SVTO	2 S/F 8 S	1507.0 1657.0	1507.6 1659.0	1.9 2.0	11.0 70.0	5.0		8L
	_ 245 PALE	8 S	1708.0	1708.0	2.0	160.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 410 PALE	8 \$	1708.0	1708.0	2.0	47.0			QL=4 ST=2 TYP=3
	└ 6700 CUBA	21 GRF	1710.0	1756.0	50.0	19.0	4.0		6L
	245 SVT0	8 S	1727.0	1727.0	1.0	64.0			QL=4 ST=2 TYP=3
	245 PALE	48 C	1752.0	1754.0	4.0	350.0			QL=4 ST=2 TYP=8
		4 S/F 4 S/F	1752.0 1752.0	1754.0 1754.0	4.0 4.0	390.0 55.0			QL=4 ST=2 TYP=3
	-15400 SGMR	8 S	1752.0	1754.0	2.0	77.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	_ 2695 SGMR	4 S/F	1752.0	1754.0	4.0	53.0			QL=4 ST=2 TYP=3
	— 4995 SGMR	4 S/F	1752.0	1754.0	3.0	130.0			QL=4 ST=2 TYP=3
	- 4995 PALE	4 S/F	1753.0	1754.0	3.0	130.0			QL=4 ST=2 TYP=3
	- 410 SGMR	4 S/F	1753.0	1754.0	3.0	390.0			QL=4 ST=3 TYP=3
		4 S/F 4 S/F	1753.0 1753.0	1757.0 1754.0	5.0 3.0	460.0 260.0			QL=4 ST=3 TYP=3
	2800 PENT	29 PBI	1753.0	1753.0	17.0	56.0			QL=4 ST=3 TYP=3
	- 6700 CUBA	3 S	1753.9	1754.2	1.5	150.0	75.0		11L
	- 610 PALE	8 S	1754.0	1754.0	2.0	250.0			QL=4 ST=2 TYP=3
	-15400 PALE	8 S	1754.0	1754.0	U	56.0			QL=2 ST=2 TYP=3
	- 1415 PALE	8 S 8 S	1754.0	1754.0	U	43.0			QL=4 ST=2 TYP=3
	- 8800 PALE - 410 PALE	8 S 8 S	1754.0 1754.0	1754.0 1754.0	ບ 2.0	120.0 420.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 2695 PALE	8 S	1754.0	1754.0	U	42.0			QL=4 ST=2 TYP=3
	-15400 SGMR	8 S	1754.0	1754.0	ū	77.0			QL=4 ST=3 TYP=3
	— 245 SGMR	4 S/F	1754.0	1757.0	4.0	460.0			QL=4 ST=2 TYP=3
	- 8800 SGMR	8 S	1754.0	1754.0	1.0	110.0			QL=4 ST=3 TYP=3
	1415 SGMR 2695 SGMR	8 S 8 S	1754.0 1754.0	1754.0 1754.0	2.0 2.0	55.0			QL=4 ST=3 TYP=3
	- 4995 SGMR	8 S	1754.0	1754.0	1.0	53.0 130.0			QL=4 ST=3 TYP=3 QL=4 ST=3 TYP=3
	235 CUBA	48 C	1754.4E	1757.4	4.1D	2153.0			4E-4 31-3 11F-3
	_ 245 PALE	49 GB	1922.0	1923.0	1.0	910.0			QL=4 ST=2 TYP=6
	─ 410 PALE	4 S/F	1922.0	1924.0	3.0	60.0			QL=4 ST=2 TYP=3
	- 245 SGMR	49 GB	1922.0	1923.0	1.0	840.0			QL=4 ST=2 TYP=6
	- 610 PALE - 2800 PENT	8 S 1 S	1923.0 1923.0	1923.0 1924.0	2.0 3.0	52.0 9.0			QL=4 ST=2 TYP=3
		. 8 \$	1923.0	1924.0	2.0	56.0			QL=4 ST=2 TYP=3
	— 610 SGMR	8 \$	1923.0	1923.0	2.0	53.0			QL=4 ST=2 TYP=3
	└ 6700 CUBA	2 S/F	1923.2	1924.1	2.7	16.0	8.0		52L
14	2700 bush	1 6	0055 5	0056.6	, E	17.0			
14	2700 PURP 2840 BEIJ	1 S 1 S	0055.5 0057.0	0056.6	4.5 5.0	17.0 6.3	4.5		
	245 LEAR	8 8	0556.0	0556.0	2.0	270.0	7.2		QL=4 ST=2 TYP=3
	_ 245 SVTO	8 S	0556.0	0556.0	1.0	370.0			QL=4 ST=2 TYP=3
	└ 2840 BEIJ	1 S	0556.0	0556.7	4.0	11.3	8.0		
	8800 LEAR	8 S	0825.0	0826.0	2.0	350.0			QL=4 ST=2 TYP=3
	1415 LEAR	4 S/F	0825.0	0826.0	3.0	340.0			QL=4 ST=2 TYP=3
		4 S/F 4 S/F	0825.0 0825.0	0826.0 0826.0	3.0 3.0	250.0 370.0			QL=4 ST=2 TYP=3
	15400 LEAR	4 3/r 8 S	0825.0	0826.0	2.0	280.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 610 LEAR	8 S	0825.0	0825.0	1.0	140.0			QL=4 ST=2 TYP=3
	- 1415 SVTO	4 S/F	0825.0	0826.0	3.0	370.0			QL=4 ST=2 TYP=3
	- 610 SVTO	8 S	0825.0	0825.0	1.0	110.0			QL=2 ST=2 TYP=3
	8800 SVTO	8 S	0825.0	0826.0	2.0	270.0			QL=2 ST=2 TYP=3
	-15400 SVTO - 4995 SVTO	8 \$ 4 \$/F	0825.0 0825.0	0826.0	1.0	180.0			QL=4 ST=2 TYP=3
	2695 SVTO	4 S/F 4 S/F	0825.0	0826.0 0826.0	6.0 3.0	440.0 250.0			QL=4 ST=2 TYP=3
	1 5073 3410	7 3/1	0.620	0020.0	J.U	20.0			QL=4 ST=2 TYP=3

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				Start	Time of	_		x Density	The state of the s
Day	Freq Sta		Type	(UT)	Maximum (UT)	Duration (Min)		Mean 2 W/m 2 Hz)	Test Dames to
14	⊢ 2800 HIR/	Δ	3 s	0825.5				- H/III & N2)	Int Remarks
	├ 500 HIR/	4	7 GB	0825.5	0826.4 0825.9	6.0 4.0	220.0 1400.0	70.0	0
	- 245 LEAF		8 S	0826.0	0826.0	Ų.	1500.0		0
	410 LEAF		9 GB	0826.0	0826.0	Ü	1700.0		QL=4 ST=3 TYP=3 QL=4 ST=2 TYP=6
	- 410 SVTC			0826.0	0826.0	U	2600.0		QL=4 ST=2 TYP=6
	- 2840 BEIJ			0826.0 0827.0	0828.0	4.0	1500.0		QL=4 ST=2 TYP=8
	127 TORM			0829.0	0829.7	12.0 6.0	299.0	210.0	
	2800 PENT	•	1 s	2152.0	2153.0	5.0	1400.0 6.0	140.0	
	245 PALE		8 S	2204.0	2204.0	U	67.0		01~2 cr_2 rvp_7
	└ 245 SGMR		8 \$	2204.0	2204.0	1.0	74.0		QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
	245 PALE		8 S 8 S	2214.0 2215.0	2216.0	2.0	52.0		QL=4 ST=2 TYP=3
					2216.0	1.0	53.0		QL=2 ST=2 TYP=3
15	127 TORN			0620.0E		520.0D		40.0	V=3
	235 CUBA 280 CUBA			1300.0E		530.0D		8.0	•-5
	2840 BEIJ			1300.0E 0622.0	0625.0	530.0D		16.0	
	410 SVTO		-	0725.0	0625.0 0725.0	5.0 U	3.8	2.7	
	- 2840 BEIJ	1		0915.0	0917.0	6.0	120.0 14.8	10.8	QL=4 ST=2 TYP=3
	245 SVTO	8		0916.0	0917.0	1.0	58.0	10.0	01-/ 07-2 7/0 7
	- 8800 SVTO - 4995 SVTO	20			0917.0	2.0	72.0		QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=2
	- 1415 SVTO	8		0916.0	0917.0	2.0	53.0		QL=4 ST=2 TYP=3
	- 8800 SVTO			0916.0 0916.0	0918.0	2.0	43.0		QL=4 ST=2 TYP=3
	245 SGMR	8		1407.0	0917.0 1409.0	2.0	72.0		QL=2 ST=3 TYP=3
	6700 CUBA	23		1433.0U	1538.0	2.0 88.0U	57.0 22.0	41.0	QL=4 ST=2 TYP=3
	6700 CUBA	23	GRF	1625.0	1639.0	125.0	25.0	11.0 7.0	3R 12L
16	245 PALE	8	s	0015.0	0015 0				124
	2800 PENT	45		1731.0	0015.0 1743.0	U 60.0	99.0 97.0		QL=4 ST=2 TYP=3
7	245 SVTO	/7	110				<i>71.</i> 0		
•	245 SVTO	43 43		0606.0 0710.0	0606.0 0712.0	13.0	78.0		QL=4 ST=2 TYP=1
	└ 245 LEAR	43		0710.0	0712.0	57.0 65.0	150.0		QL=4 ST=2 TYP=1
	- 235 CUBA	44		1300.0E	0712.0	530.0D	110.0	9.0	QL=4 ST=2 TYP=1
	└ 280 CUBA	44		1300.0E		530.0D		8.0 16.0	
	245 SGMR	43		1803.0	1803.0	21.0	100.0	10.0	QL=4 ST=2 TYP=1
	245 PALE 2840 BEIJ	8	S	0041.0	0042.0	1.0	62.0		QL=4 ST=2 TYP=3
	245 LEAR	1 8	S S	0219.0	0219.8	4.0	8.1	. 6.1	4 01-E 111-5
	- 8800 SVTO	20	GRF	0606.0 0649.0	0606.0 0700.0	1.0	61.0		QL=4 ST=2 TYP=3
	- 2840 BEIJ	45	C	0658.0	0700.0	27.0 21.0	80.0	077.0	QL=2 ST=3 TYP=2
	- 2695 LEAR	4	\$/F	0659.0	0700.0	6.0	312.0 270.0	237.0	
- 1	- 1415 SVTO	4	S/F	0659.0	0700.0	6.0	140.0		QL=4 ST=2 TYP=3
1	- 2695 SVTO - 2800 HIRA	4		0659.0	0700.0	6.0	290.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
[- 1415 LEAR	46 4	C S/F	0659.5	0700.9	9.0	240.0	60.0	0
	- 610 LEAR	4	S/F	0700.0 0700.0	0700.0 0700.0	5.0	130.0		QL=4 ST=2 TYP=3
ŀ	- 4995 LEAR	8	S	0700.0	0700.0	4.0 2.0	480.0 100.0		QL=4 ST=2 TYP=3
ł	- 610 SVTO	8	S	0700.0	0700.0	U	280.0		QL=4 ST=2 TYP=3
ŀ	- 4995 SVTO	4	S/F	0700.0	0700.0	5.0	130.0		QL=2 ST=2 TYP=3
Ĺ	- 500 HIRA - 410 SVTO	46	C	0700.0	0702.0	12.0	400.0	15.0	QL=4 ST=2 TYP=3 O
	- 410 SVIO - 410 LEAR	48 4	C S/F	0700.0	0706.0	12.0	230.0		QL=4 ST=2 TYP=8
]_	- 245 LEAR	49	GB	0701.0 0702.0	0702.0 0704.0	6.0	250.0		QL=4 ST=2 TYP=3
Ļ	- 245 SVTO	49	GB	0702.0	0704.0	4.0 4.0	10000.0		QL=4 ST=2 TYP=6
Г	- 2800 PENT	40	F	1454.0	1540.0	54.0	12000.0 9.0		QL=4 ST=2 TYP=6
L	- 6700 CUBA	20	GRF	1456.0	1501.0	10.0	9.0	4.0	001
	245 SGMR	8	S	1755.0	1755.0	U	46.0	7.0	00L QL=4 ST=2 TYP=3
_	2800 PENT - 245 SGMR	45 4	C S/F	1806.0 1813.0	1815.0	16.0	6.0		4F-4 01-6 11F-3
-	- 410 SGMR	8	. 5/ F S	1813.0 1813.0	1815.0 1813.0	3.0	59.0		QL=4 ST=2 TYP=3
L	- 610 SGMR	8	S	1813.0	1813.0	1.0 ປ	24.0		QL=4 ST=2 TYP=3
	245 SGMR		S/F	1956.0	2001.0	7.0	48.0 57.0		QL=4 ST=2 TYP=3
	2800 PENT	40	F	2050.0	2116.0	50.0	296.0		QL=4 ST=2 TYP=3
Γ	- 8800 PALE		C	2113.0	2117.0	8.0	130.0		01=4 07=0 TVD: 0
	-15400 SGMR - 6700 CUBA		S/F	2113.0	2117.0	8.0	360.0		QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=3
	J. UU CUDA	46	L	2113.0	2118.0	15.3	135.0	34.0	VI & IIF=3

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	, , , , , , , , , , , , , , , , , , ,		***************************************		Time of		Flux	Density		
Day	Freq Sta	1	уре	Start (UT)	Maximum (UT)	Duration (Min)	Peak	Mean W/m 2 Hz)	Int	Remarks
17	⊢ 6700 CUBA	46	5 C	2113.0	2118.0	15.3	135.0	34.0		13L
	-15400 PALE	4		2113.0	2117.0	13.0	500.0	34.0		QL=4 ST=2 TYP=3
	- 2695 PALE	48		2113.0	2117.0	10.0	290.0			QL=4 ST=2 TYP=8
	- 500 HIRA - 2800 HIRA	46 46		2113.0 2113.5	2117.5	17.0	40.0	4.0		0
	- 1415 PALE	4		2114.0	2118.4 2118.0	15.0 8.0	230.0 140.0	60.0		0
	- 4995 PALE	48	-	2114.0	2117.0	7.0	170.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=8
	— 2695 SGMR	48		2114.0	2118.0	166.0	280.0			QL=4 ST=1 TYP=8
	- 4995 SGMR	48		2114.0	2117.0	166.0	170.0			QL=4 ST=1 TYP=8
	2695 SGMR2695 SGMR	4		2114.0	2115.0	166.0	150.0			QL=4 ST=1 TYP=3
	- 1415 SGMR	4		2114.0 2114.0	2115.0 2118.0	166.0 166.0	150.0			QL=4 ST=1 TYP=3
	- 4995 SGMR	4		2114.0	2115.0	166.0	150.0 89.0			QL=4 ST=1 TYP=3
	- 4995 SGMR	4		2114.0	2115.0	166.0	89.0			QL=4 ST=1 TYP=3 QL=4 ST=1 TYP=3
	235 CUBA	7		2116.8	2117.5	1.2	325.0D			42 4 01-1 117-5
	- 280 CUBA - 410 PALE	7 8		2116.8	2117.5	1.2	152.0			
	- 245 PALE	49		2117.0 2117.0	2117.0 2117.0	2.0 1.0	81.0 9200.0			QL=4 ST=2 TYP=3
	- 8800 SGMR	4		2117.0	2118.0	163.0	88.0			QL=4 ST=2 TYP=6
	- 245 PALE	4		2128.0	2128.0	5.0	43.0			QL=4 ST=1 TYP=3 QL=2 ST=2 TYP=3
	└ 245 SGMR	8		2128.0	2128.0	1.0	71.0			QL=4 ST=2 TYP=3
	245 SGMR	8	S	2253.0	2253.0	1.0	53.0			QL=4 ST=2 TYP=3
18	245 SVTO	43		0625.0	0627.0	5.0	87.0			QL=4 ST=2 TYP=1
	- 4995 SVTO	49		0.000.0	0820.0	U	970.0			QL=4 ST=1 TYP=6
	└ 610 SVTO 2840 BEIJ	8 1		0000.0 0243.0	0000.0 0245.5	U C	130.0			QL=4 ST=2 TYP=3
	_ 410 PALE	4	S/F	0319.0	0325.0	6.0 6.0	8.4 43.0	6.1		01 / 07 0 705 7
	— 245 LEAR	8		0321.0	0321.0	1.0	240.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	— 410 LEAR	48		0321.0	0324.0	4.0	70.0			QL=4 ST=2 TYP=8
	└ 245 PALE	8	S	0321.0	0321.0	1.0	300.0			QL=4 ST=2 TYP=3
	2840 BEIJ 2840 BEIJ	1 45	S C	0353.0	0402.5	12.0	7.5	5.4		
	-15400 LEAR	4	S/F	0408.0 0409.0	0412.2 0411.0	16.0 11.0	22.4 140.0	16.0		
	- 8800 LEAR	20	GRF	0409.0	0416.0	11.0	91.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=2
	- 8800 PALE	48	C	0409.0	0416.0	12.0	87.0			QL=4 ST=2 TYP=8
	245 LEAR	8	S	0410.0	0410.0	U	97.0			QL=4 ST=2 TYP=3
	- 410 PALE - 245 PALE	4 8	S/F S	0410.0 0410.0	0411.0	4.0	230.0			QL=4 ST=2 TYP=3
	- 4995 LEAR	8	S	0411.0	0410.0 0412.0	2.0 1.0	110.0 30.0			QL=4 ST=2 TYP=3
	- 2695 LEAR	8	S	0411.0	0412.0	1.0	28.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 4995 PALE	8	S	0411.0	0412.0	2.0	34.0			QL=4 ST=2 TYP=3
	-15400 PALE	8	S	0411.0	0412.0	2.0	110.0			QL=4 ST=2 TYP=3
	2695 PALE 245 LEAR	8 4	S S/F	0412.0	0412.0	U	22.0			QL=4 ST=2 TYP=3
	_ 245 SVTO	4		0420.0 0423.0	0426.0 0425.0	8.0 7.0	53.0 83.0			QL=4 ST=2 TYP=3
	- 410 SVTO	8	s	0424.0	0424.0	ν.ο	32.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	□ 8800 SVTO	8	S	0427.0	0427.0	1.0	40.0			QL=2 ST=2 TYP=3
	245 SVTO	8	S	0528.0	0528.0	U	53.0			QL=4 ST=2 TYP=3
	245 LEAR 2840 BEIJ	8 45	S C	0627.0	0627.0	U D	60.0			QL=4 ST=2 TYP=3
	245 SVTO	43	S/F	0628.0 0634.0	0636.3 0636.0	27.0 4.0	9.9	7.1		
	- 8800 LEAR	4	S/F	0635.0	0636.0	4.0	82.0 58.0			QL=2 ST=2 TYP=3
	15400 LEAR	4	S/F	0635.0	0636.0	4.0	60.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 8800 SVTO	4	S/F	0635.0	0636.0	4.0	68.0			QL=2 ST=2 TYP=3
i	15400 SVTO 4995 SVTO	4	S/F	0635.0	0636.0	4.0	60.0			QL=4 ST=2 TYP=3
	245 LEAR	8 8	S S	0635.0 0636.0	0636.0 0636.0	2.0	34.0			QL=4 ST=2 TYP=3
	- 410 SVTO	4	S/F	0805.0	0805.0	U 4.0	60.0 29.0			QL=4 ST=2 TYP=3
1	245 SVTO	4	S/F	0805.0	0809.0	4.0	82.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
1	2840 BEIJ	47	GB	0816.0	0820.0	26.0	689.0	500.0	,	31-6 11F=3
	-15400 SVTO	49	GB	0817.0	0821.0	16.0	4100.0	-	(QL=4 ST=2 TYP=6
İ	4995 SVTO	49	GB	0817.0	0820.0	12.0	970.0		(QL=4 ST=2 TYP=6
	- 8800 SVTO - 500 HIRA	49 46	GB C	0817.0 0817.5	0820.0	15.0	700.0			QL=2 ST=2 TYP=6
	- 2800 HIRA	46	C	0817.7	0818.9 0820.2	19.0 17.0	100.0 540.0	10.0)
- 1	— 1415 LEAR	48	Č	0818.0	0821.0	10.0	540.0 280.0		() QL=4 ST=2 TYP=8
ī									· ·	xL-4 31-6 11P=8
	— 2695 SVTO — 1415 SVTO	49 4	GB S/F	0818.0 0818.0	0820.0 0821.0	10.0	680.0		0	L=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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					Start	Time of Maximum	Duration	Flux Peak	Density			
Day	Freq :	Sta	Ty	/ре	(UT)	(UT)	(Min)		Mean W/m 2 Hz)	Int	Remarks	
18	⊢ 610 l		48	С	0819.0	0820.0	941.0	78.0			QL=4 ST	=1 TYP=8
	- 610 I		4 47	S/F GB	0819.0 0819.0	0820.0	941.0	78.0	4***		QL=4 ST	=1 TYP=3
	_ 245		48	C	0820.0	0822.7 0821.0	10.0U 3.0	1000.0 9200.0	170.0		01-6-07	2
	410		49	GB	0820.0	0820.0	7.0	2300.0			QL=4 ST	
	610		8	S	0820.0	0820.0	1.0	74.0			QL=4 ST	
	245		49	GB	0820.0	0821.0	8.0	13000.0			QL=4 ST	
	└ 610 s 410 s		4	S/F	0820.0 1055.0	0820.0	961.0	74.0			QL=4 ST	
	245		20	S/F GRF	1055.0	1102.0U 1111.0U	11.0 17.0	57.0 76.0			QL=4 ST	
	610		4	S/F	1101.0	1105.0	5.0	130.0			QL=4 ST=	
	2800 1		41	F	1726.0	1733.0	84.0	15.0			WL-4 31-	-Z 11P-3
	245 \$		8	S	1745.0	1746.0	1.0	59.0			QL=4 ST=	2 TYP=3
	245 s 15400 s		4	S/F	2150.0	2156.0	8.0	60.0			QL=2 ST=	
	-15400 s		49 49	GB GB	2213.0 2213.0	2216.0 2216.0	14.0 14.0	4800.0 4800.0			QL=4 ST=	
	8800 8		49	GB	2213.0	2216.0	35.0	2000.0			QL=4 ST=	
	─ 8800 s		49	GB	2213.0	2216.0	35.0	2000.0			QL=4 ST=	
	<u></u> 15400 S		49	GB	2213.0	0000.0	107.0	4800.0			QL=4 ST=	
	-15400 F		48	C	2213.0	2216.0	127.0	6900.0			QL=2 ST=	
	⊢ 8800 F ⊢ 2800 F		48 47	C GB	2213.0 2213.7	2216.0 2216.2	158.0	2800.0			QL=2 ST=	2 TYP=8
	- 2695 s		49	GB	2214.0	2216.0	220.0 39.0	2100.0 2400.0			0	2 TVP (
	- 4995 s	SGMR	49	GB	2214.0	2215.0	36.0	2900.0			QL=4 ST= QL=4 ST=	
	─ 4995 S		49	GB	2214.0	2215.0	36.0	2900.0			QL=4 ST=	
	⊢ 4995 s	SGMR	49	GB	2214.0	2215.0	36.0	2900.0			QL=4 ST=	
	− 2695 S − 1415 S		49	GB	2214.0	2216.0	39.0	2400.0			QL=4 ST=	2 TYP=6
	- 1415 s		49 49	GB GB	2214.0 2214.0	2216.0 2216.0	44.0 44.0	980.0			QL=4 ST=	
	4995 P		49	GB	2214.0	2215.0	44.0 157.0	980.0 3400.0			QL=4 ST=	
	├ 1415 P	ALE	49	GB	2214.0	2216.0	157.0	1000.0			QL=2 ST=	
	- 2695 P	ALE	49	GB	2214.0	2216.0	157.0	2400.0			QL=2 ST=	
		ALE	48 49	C GB	2215.0	2216.0	7.0	5300.0			QL=2 ST=	
	245 s		49	GB	2215.0 2215.0	2216.0 2216.0	11.0 24.0	5100.0			QL=4 ST=	
	- 410 P		49	GB	2215.0	2216.0	74.0	39000.0			QL=4 ST=	
	610 ₽	ALE	49	GB	2215.0	2216.0	99.0	37000.0			QL=2 ST= QL=2 ST=	
	└ 410 s	GMR	49	GB	2216.0	2216.0	18.0	31000.0			QL=4 ST=	
	- 410 L		4	S/F	2302.0E	2315.0U	13.0D	24.0			QL=4 ST=	
	15400 L - 8800 L		4 48	S/F C	2302.0E 2302.0E	2312.0U	94.0D	210.0			QL=4 ST=	
	- 1415 L		48	C	2302.0E	2313.0U 2317.0U	103.OD 109.OD	350.0 530.0			QL=4 ST=	
	- 4995 L		48	C	2302.0E	2313.0U	109.0D	710.0			QL=4 ST=	
	- 2695 L		48	C	2302.0E	2313.0U	109.0D	990.0			QL=4 ST= QL=4 ST=	
	└ 610 L	EAR	4	S/F	2302.0E	2333.00	109.0D	82.0			QL=4 ST=	
9	, 245 s	VTO	43	NS	1126.0	1136.0	28.0	58.0			01-4-07-	7 TVD-4
	└ 245 S	VTO	43	NS	1126.0	1136.0	28.0	58.0			QL=4 ST=	
	ے 245 s		43	NS	1233.0	1409.0	111.0	470.0			QL=4 ST=	
	- 245 S		43	NS	1357.0	1400.0	6.0	97.0			QL=4 ST=	
	- 235 CI - 280 CI		44 44	NS NS	1400.0E 1400.0E		470.0D		9.0			
	245 St		43	NS	1652.0	1652.0	470.0D 28.0	88.0	18.0			
	- 245 SI		43	NS	1736.0	2220.0	312.0	97.0			QL=4 ST=2	
	_ 245 P		43	NS	1757.0	1818.0	118.0	95.0			QL=4 ST=2 QL=4 ST=2	
	└ 245 P/			NS	2119.0	0023.0	261.0	190.0			QL=4 ST=2	
	2840 BI		1	S	0845.0	0846.0	2.0	4.0	3.0			
ĺ	- 245 LI 245 SI			S C	0939.0	0940.0	2.0	72.0			QL=4 ST=2	2 TYP=3
	245 LE			S	0940.0 0945.0	0945.0 0945.0	13.0 1.0	140.0			QL=4 ST=.	
	245 LI			Š	0948.0	0948.0	1.0	120.0 54.0			QL=4 ST=2	
ſ	4995 SI			S/F	1006.0	1009.0	9.0	130.0			QL=4 ST=2 QL=4 ST=2	
ŀ	- 8800 st		4	S/F	1007.0	1010.0	7.0	120.0			QL=4 31=2 QL=2 ST=2	
L	-15400 s\			S/F	1008.0	1011.0	4.0	51.0			QL=4 ST=2	
	245 St			S	1200.0	1200.0	U	73.0			QL=4 ST=2	
	410 Sc			S C	1217.0 1224.0	1217.0 1238.0	U 27 0	58.0		(QL=4 ST=2	
_	—154AA eA											
[—15400 so — 8800 so			C	1226.0	1238.0	27.0 25.0	180.0 170.0			QL=4 ST=3 QL=4 ST=3	_

AUGUST

		,					JJ0		
					Time of		Flux	Density	
Day	Freq Sta	7	(vno	Start	Maximum	Duration		Mean	
—	ried sta	I	ype	(UT)	(UT)	(Min)	(10 -22	W/m 2 Hz)	Int Remarks
19	├ 2695 SGMR	4	S/F	1236.0	1238.0	15.0	35.0		QL=4 ST=3 TYP=3
	- 4995 SGMR	4		1236.0	1239.0	15.0	100.0		QL=4 ST=3 TYP=3
	└- 245 SGMR	4		1238.0	1238.0	13.0	97.0		QL=4 ST=3 TYP=3
	245 SGMR	8		1326.0	1326.0	1.0	130.0		QL=4 ST=2 TYP=3
	→ 410 SGMR	8		1327.0	1327.0	1.0	70.0		QL=4 ST=2 TYP=3
		1		1327.0	1327.9	2.3	7.0	2.0	33L
	- 6700 CUBA	49 49		1405.0 1405.0	1419.5	22.0	200.0		10L
	- 2800 PENT	47		1405.0	1410.8 1409.0	22.0	1611.0		ML
	- 8800 SVTO	49		1406.0	1412.0	24.0 43.0	105.0		
	-15400 SGMR	49		1407.0	1412.0	17.0	1000.0 1100.0		QL=2 ST=2 TYP=6
	- 8800 SGMR	49		1407.0	1412.0	14.0	850.0		QL=4 ST=2 TYP=6
	- 4995 SVTO	48	С	1407.0	1413.0	18.0	510.0		QL=4 ST=2 TYP=6
	-15400 SVTO	49	GB	1407.0	1412.0	42.0	1200.0		QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=6
	— 4995 SGMR	20	GRF	1408.0	1413.0	13.0	470.0		QL=4 ST=2 TYP=2
	— 2695 SGMR	4		1409.0	1410.0	6.0	110.0		QL=4 ST=2 TYP=3
	2695 SVTO	4		1409.0	1410.0	6.0	120.0		QL=4 ST=2 TYP=3
	- 245 SVTO	49		1409.0	1409.0	1.0	530.0		QL=4 ST=2 TYP=6
	1415 SGMR	8		1410.0	1410.0	1.0	35.0		QL=4 ST=2 TYP=3
	6700 CUBA	4 29		1410.0	1410.0	3.0	42.0		QL=4 ST=2 TYP=3
	_ 245 SGMR	8		1427.0 1639.0	1470 0	44.0	16.0	8.0	15L
	245 SVTO	8		1639.0	1639.0 1639.0	1.0	59.0		QL=4 ST=2 TYP=3
	- 6700 CUBA	21		1652.0	1657.0	1.0 21.0	55.0	7.0	QL=4 ST=2 TYP=3
	- 6700 CUBA	1		1653.2	1654.0	1.0	7.0 8.0	3.0	00L
	6700 CUBA	1	s	1833.8	1834.2	1.0	7.0	4.0 3.0	00L
	6700 CUBA	1	S	1840.6	1841.2	2.6	16.0	8.0	00L 5L
	6700 CUBA	23	GRF	1925.0	1948.0	46.0	11.0	5.0	28L
	— 6700 CUBA	21	GRF	2033.0	2043.0	18.0	13.0	6.0	OOL RAIN
	- 2800 PENT	1	S	2035.0	2037.0	25.0	9.0		OUE RAIN
	└ 6700 CUBA	1	S	2035.9	2037.4	5.1	21.0	10.0	OOL RAIN
	6700 CUBA	28	PRE	2135.0	2139.0	7.4	35.0	17.0	OOL
	- 2800 PENT	41	F	2138.0	2141.0	53.0	1695.0		
	- 4995 SGMR - 8800 SGMR	49 49	GB	2139.0	2143.0	10.0	2600.0		QL=4 ST=2 TYP=6
	-15400 SGMR	49	GB GB	2139.0 2139.0	2143.0	10.0	2000.0		QL=4 ST=2 TYP=6
	- 6700 CUBA	47	GB	2139.4	2143.0 2156.0	22.0	5800.0		QL=4 ST=2 TYP=6
	- 6700 CUBA	47	GB	2139.4	2143.4	17.0 27.0D	56.0		6L
	- 1415 SGMR	49	GB	2140.0	2143.0	9.0	4469.0 740.0		10L 2206 OFF
	- 2695 SGMR	49	GB	2140.0	2143.0	9.0	1300.0		QL=4 ST=2 TYP=6
	- 2800 HIRA	47	GB	2140.0	2143.5	52.0	1100.0		QL=4 ST=2 TYP=6 O
	— 280 CUBA	48	С	2141.0	2143.5	6.0	4646.0D		o .
	— 235 CUBA	48	C	2141.0	2143.5	6.0	3334.0D		
	— 610 SGMR	49	GB	2142.0	2143.0	8.0	740.0		QL=4 ST=2 TYP=6
	- 410 SGMR	49	GB	2142.0	2144.0	15.0	5100.0		QL=4 ST=2 TYP=6
	└ 245 SGMR	49	GB	2143.0	2146.0	4.0	18000.0		QL=4 ST=2 TYP=6
	2840 BEIJ	47	GB	2247.0	2321.0	228.0	856.0	616.0	
20	- 2840 BEIJ	45	С	0020.0	0020.2	22.0	F		
	- 2695 LEAR		S/F	0026.0	0029.2 0029.0	22.0	56.3	39.7	
	- 8800 LEAR	4		0026.0	0029.0	5.0 5.0	54.0		QL=4 ST=2 TYP=3
	- 4995 LEAR	4	S/F	0026.0	0029.0	5.0	32.0 76.0		QL=4 ST=2 TYP=3
	- 245 LEAR	8	s	0026.0	0027.0	1.0	21.0		QL=4 ST=2 TYP=3
	— 1415 LEAR	4	S/F	0026.0	0031.0	7.0	26.0		QL=4 ST=2 TYP=3
	— 2695 PALE	4	S/F	0027.0	0029.0	6.0	69.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	2800 PENT	40	F	0027.0	0040.0	19.0	61.0		WL-4 31-2 11P=3
	15400 LEAR	4	S/F	0028.0	0029.0	3.0	26.0		QL=4 ST=2 TYP=3
	- 8800 PALE	4	S/F	0028.0	0029.0	3.0	50.0		QL=4 ST=2 TYP=3
	-15400 PALE	4		0028.0	0029.0	9.0	43.0		QL=4 ST=2 TYP=3
	- 1415 PALE	4	S/F	0028.0	0031.0	4.0	34.0		QL=4 ST=2 TYP=3
	4995 PALE		S/F	0028.0	0029.0	4.0	96.0		QL=4 ST=2 TYP=3
	245 SGMR		S	1035.0	1036.0	1.0	51.0		QL=4 ST=3 TYP=3
	└ 245 SVTO	8		1036.0	1036.0	1.0	60.0		QL=4 ST=2 TYP=3
	-15400 SGMR	8	S/F	1126.0	1127.0	2.0	51.0		QL=4 ST=3 TYP=3
	- 8800 SVTO	8		1126.0 1126.0	1126.0	3.0	240.0		QL=4 ST=3 TYP=3
	15400 SVTO	8		1126.0	1127.0 1126.0	2.0	51.0		QL=2 ST=2 TYP=3
	- 245 SGMR	8		1145.0	1146.0	2.0 2.0	190.0 61.0		QL=4 ST=2 TYP=3
	245 SVTO	8		1145.0	1146.0	1.0	62.0		QL=4 ST=2 TYP=3
									QL=4 ST=2 TYP=3

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			Start	Time of Maximum	Duration	Flux Peak	Density Mean		
Day	Freq Sta	Туре	(UT)	(UT)	(Min)	(10 -22	W/m 2 Hz)	Int	Remarks
20	127 TORN 15400 SGMR	45 C 8 S	1232.6 1233.0	1235.4 1234.0	4.5	170.0	30.0		_
	8800 SGMR	49 GB	1310.0	1314.0	2.0 5.0	42.0 640.0			QL=4 ST=2 TYP= QL=4 ST=2 TYP=
	_ 245 SVTO	49 GB	1401.0	1403.0	4.0	700.0			QL=4 ST=2 TYP=
	- 610 SGMR	8 S	1402.0	1403.0	1.0	10.0			QL=4 ST=2 TYP=
	- 410 SGMR	8 S	1402.0	1403.0	2.0	22.0			QL=4 ST=2 TYP=
	- 245 SGMR - 610 SVTO	49 GB 8 S	1402.0 1402.0	1403.0 1403.0	2.0	720.0			QL=4 ST=2 TYP=
	410 SVTO	8 S	1402.0	1403.0	1.0 2.0	6.0 50.0			QL=2 ST=2 TYP=
	- 245 SGMR	8 S	1530.0	1530.0	1.0	240.0			QL=4 ST=2 TYP= QL=4 ST=2 TYP=
	410 SGMR	8 S	1530.0	1531.0	1.0	14.0			QL=4 ST=2 TYP=
	└ 245 SVTO	8 S	1530.0	1530.0	2.0	290.0			QL=4 ST=2 TYP=
	☐ 245 SGMR 245 SVTO	8 S 8 S	1537.0	1539.0	2.0	410.0			QL=4 ST=2 TYP=
	4995 SGMR	8 S	1538.0 1607.0	1539.0 1608.0	1.0 1.0	420.0 32.0			QL=4 ST=2 TYP=
	- 245 SGMR	8 S	1654.0	1655.0	2.0	160.0			QL=4 ST=2 TYP= QL=4 ST=2 TYP=
	└ 245 svto	8 \$	1655.0	1655.0	υ	150.0			QL=4 ST=2 TYP=
	245 PALE	8 S	1903.0	1903.0	U	100.0			QL=4 ST=2 TYP=
	└ 245 SGMR	8 S	1903.0	1903.0	U	110.0			QL=4 ST=2 TYP=
	_ 245 LEAR _ 410 LEAR	8 S 8 S	2323.0 2323.0	2323.0 2323.0	U U	110.0 9.0			QL=4 ST=2 TYP=
	245 PALE	8 S	2323.0	2323.0	Ü	130.0			QL=4 ST=2 TYP= QL=4 ST=2 TYP=
21	_ 245 SGMR	43 NS	1216.0	1218.0	704.0	65.0			QL=4 ST=1 TYP=
	280 CUBA	44 NS	1300.0E		530.0D		15.0		
	└ 235 CUBA	44 NS 4 S/F	1300.0E 0000.0	0.006.0	530.0D 6.0	55.0	8.0		01-3 0T 0 TVD
	4995 LEAR	48 C	0000.0	0.8000	11.0	310.0			QL=2 ST=2 TYP= QL=4 ST=2 TYP=
	_ 2695 LEAR	48 C	0.000	0002.0	10.0	130.0			QL=4 ST=2 TYP=
	-15400 PALE	49 GB	0.000	0003.0	13.0	1400.0			QL=2 ST=2 TYP=
	8800 PALE	49 GB	0.000	0003.0	11.0	690.0			QL=2 ST=2 TYP=
	- 4995 PALE 1415 LEAR	4 S/F 48 C	0000.0 0001.0	0008.0 0003.0	10.0 3.0	290.0 75.0			QL=2 ST=2 TYP=
	- 2695 PALE	4 S/F	0001.0	0003.0	8.0	150.0			QL=4 ST=2 TYP= QL=2 ST=2 TYP=
	245 PALE	49 GB	0001.0	0003.0	8.0	1700.0			QL=2 ST=2 TYP=
	1415 PALE	8 S	0001.0	0003.0	2.0	79.0			QL=2 ST=2 TYP=
	245 LEAR	48 C	0003.0	0003.0	1.0	1600.0			QL=4 ST=2 TYP=
	410 LEAR 2840 BEIJ	46 C 2 S/F	0005.0 0657.0	0006.0 0659.0	1.0	44.0	E /		QL=4 ST=2 TYP=
	245 SGMR	4 S/F	1217.0	1218.0	6.0 3.0	7.8 62.0	5.6		QL=4 ST=2 TYP=
	6700 CUBA	20 GRF	1523.0	1616.0	65.0	5.0	2.0		00L
	6700 CUBA	21 GRF	1942.0	2118.0	123.0D	23.0			00L 2145 RAIN
	2800 PENT	41 F	2032.0	2109.0	108.0	17.0			
	6700 CUBA	3 S 8 S	2033.5	2035.6	7.6	14.0	7.0		42L
	1415 PALE 1415 SGMR	8 S 8 S	2035.0 2035.0	2035.0 2035.0	1.0 1.0	81.0 93.0			QL=4 ST=2 TYP=
	6700 CUBA	46 C	2105.0	2111.0	12.8	46.0	16.0		QL=4 ST=2 TYP=
	- 2840 BEIJ	45 C	2356.0	0002.0	36.0	155.5	119.0		7.
	- 2800 PENT	45 C	2358.0	0.000	62.0	155.0			
	─15400 LEAR ─ 8800 LEAR	48 C 48 C	2359.0 2359.0	0003.0	18.0	1600.0			QL=4 ST=2 TYP=8
_				0003.0	14.0	780.0			QL=4 ST=2 TYP=8
2	- 410 PALE - 610 PALE	43 NS 43 NS	0026.0 0026.0	0032.0 0035.0	9.0 9.0	73.0 64.0			QL=4 ST=2 TYP='QL=4 ST=2 TYP='
	610 LEAR	43 NS	0026.0	0035.0	15.0	55.0			QL=4 ST=3 TYP=
	- 410 LEAR	43 NS	0026.0	0032.0	15.0	64.0			QL=4 ST=2 TYP=
	245 LEAR 245 PALE	43 NS 43 NS	0027.0	0039.0	56.0	240.0			QL=4 ST=2 TYP='
	127 TORN	43 NS 44 NS	0027.0 0620.0E	0227.0	120.0 520.0D	220.0			QL=4 ST=2 TYP=
	2800 HIRA	46 C	0000.0	0002.5	12.0	110.0	4.0 30.0		V=1 0
	- 410 LEAR	8 S	0022.0	0022.0	U	29.0	2010		QL=4 ST=2 TYP=3
	└ 245 LEAR	8 S	0023.0	0023.0	1.0	89.0			QL=4 ST=2 TYP=3
	2840 BEIJ	45 C	0210.0	0220.0	18.0	4.2	3.2		
	245 SGMR	8 S	1305.0	1305.0	1.0	330.0			QL=4 ST=2 TYP=3
	└ 245 SVTO	8 S 8 S	1305.0 1414.0	1305.0 1414.0	1.0	440.0			QL=4 ST=2 TYP=3
	245 SVTO	8 \$	1414.0	1414.0	U U	110.0 100.0			QL=4 ST=2 TYP=3
						100.0			QL=4 ST=2 TYP=3
	_ 2800 PENT _ 8800 SGMR	4 S/F	1504.0	1505.0	16.0	19.0			

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Day Freq Sto					AUGU	19.T. T	.998		
Day					Time of		Flux	Density	and the second s
22	Day	Fred Sta	Type				Peak	Mean	
- 1415 SORR 8 S 1505.0 1505.0 1.0 2.0 34.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1					(01)	(MIII)	(10 -22	W/m 2 Hz)	Int Remarks
- 245 SERRE 49 GEL 1505.0 1505.0 1.0 250.0 1.0 1100.0 1.0 14.4 ST=2 TYP=5 1505.0 1505.0 1.0 250.0 1.0 250.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 250.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 1.0 160.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 1.0 160.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 1.0 160.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 1.0 160.0 1.0 14.5 ST=2 TYP=6 1505.0 1505.0 1.0 1505.0 1.0 1.0 1.0 1505.0 1.0 1.0 1505.0 1.0 1.0 1.0 1.0 1505.0 1.0 1.0 1.0 1505.0 1.0 1.0 1.0 1505.0 1.0 1.0 1.0 1.0 1	22								QL=4 ST=2 TYP=3
154.00 SCHR									
- 4909 SVIO 8 S 1505.0 1505.0 1.0 65.0				1505.0					
- 154.00 SVTO 8 S 1505.0 1505.0 1.0 1506.0 0 1.4 ST2 TYP-3 - 2695 SVTO 8 S 1505.0 1506.0 1.0 0 1506.0 0 1.4 ST2 TYP-3 - 245 SVTO 49 GB 1505.0 1506.0 1.0 0 1300.0 0 1.4 ST2 TYP-3 - 245 SVTO 49 GB 1505.0 1506.0 1.0 1300.0 0 1.4 ST2 TYP-3 - 410 SGMR 8 S 1505.0 1506.0 1.0 1.0 31.0 0 1.4 ST2 TYP-3 - 410 SGMR 8 S 1506.0 1506.0 0 1.0 17.0 0 1.4 ST2 TYP-3 - 2695 SGMR 8 S 1506.0 1506.0 U 17.0 0 1.4 ST2 TYP-3 - 2695 SGMR 8 S 1506.0 1506.0 U 17.0 0 1.4 ST2 TYP-3 - 2695 SGMR 8 S 1538.0 1538.0 U 90.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 90.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 1538.0 U 92.0 0 1.0 SGMR 8 S 1538.0 U 92.0 0 1.4 ST2 TYP-3 - 2605 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2024.0 U 95.0 0 1.4 ST2 TYP-3 - 275 SGMR 8 S 2024.0 2031.0 SGM 8 S 2024.0 2031.0 U 95.0 0 1.4 ST2 TYP-3 245 SGMR 8 S 2024.0 2031.0 SGMR 8 S 2024.0 2031.0 U 95.0 0 1.4 ST2 TYP-3 245 SGMR 8 S 2024.0 2031.0 SGMR 8 S 2025.0 U 95.0									
- 2695 SVTO 9 GB 5 1505.0 1506.0 1.0 255.0 0L-4 ST=2 TYP=3									
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2840 BELJ 2 S/F 0606.0 0632.7 44.0 12.8 10.1 2840 BELJ 2 S/F 0927.0 0931.0 14.0 415.0 327.0 8800 LEAR 49 GB 0928.0 0931.0 11.0 1000.0 0 0L=4 ST=2 TYP=6 8800 LEAR 49 GB 0928.0 0931.0 11.0 1000.0 0L=4 ST=2 TYP=6 8800 SVT0 49 GB 0928.0 0931.0 87.0 2000.0 0L=4 ST=2 TYP=6 15400 LEAR 49 GB 0929.0 0931.0 8.0 2000.0 0L=4 ST=2 TYP=6 -4995 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4995 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4995 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 9.0 540.0 0L=4 ST=2 TYP=6 -4905 LEAR 49 GB 0929.0 0931.0 7.0 2000.0 0L=4 ST=2 TYP=6 -41415 LEAR 4 S/F 0930.0 0932.0 5.0 200.0 0L=4 ST=2 TYP=6 -41415 SVTO 4 S/F 0930.0 0932.0 5.0 200.0 0L=4 ST=2 TYP=5 -4105 LEAR 49 S/F 0933.0 0936.0 3.0 140.0 0L=4 ST=2 TYP=3 -4105 LEAR 49 S/F 0933.0 0936.0 3.0 140.0 0L=4 ST=2 TYP=3 -4105 LEAR 49 S/F 0933.0 0936.0 3.0 140.0 0L=4 ST=2 TYP=3 -4105 LEAR 49 S/F 0933.0 0936.0 3.0 140.0 0L=4 ST=2 TYP=3 -4105 SWIN 4 S/F 0933.0 0936.0 3.0 140.0 0L=4 ST=2 TYP=3 -4105 SWIN 48 S 1426.0 1448.0 1149.0 7.0 200.0 0L=4 ST=2 TYP=3 -4245 SWIN 8 S 1301.0 1440.0 15.0 160.0 0L=4 ST=2 TYP=3 -4245 SWIN 8 S 1301.0 1310.0 U 50.0 0L=4 ST=2 TYP=3 -4245 SWIN 8 S 1300.0 E 1448.0 U 63.0 0L=4 ST=2 TYP=3 -4245 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -4245 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -440 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3 -445 SWIN 8 S 1050.0 1050.0 1.0 100.0 0L=4 ST=2 TYP=3						63.0	69.0		QL=4 ST=2 TYP=1
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8800 SVT0 4 S/F 0959.0 0959.0 1437.0 62.0 QL=4 ST=2 TYP=3									QL=4 ST=2 TYP=3
245 SGMR 48 C 1148.0 1149.0 7.0 200.0 QL=4 ST=2 TYP=8 245 SGMR 48 C 1148.0 1149.0 15.0 160.0 QL=4 ST=2 TYP=8 245 SGMR 8 S 1227.0 1227.0 U 54.0 QL=4 ST=3 TYP=8 245 SGMR 8 S 1243.0 1244.0 1.0 50.0 QL=4 ST=3 TYP=3 245 SGMR 8 S 1310.0 1310.0 U 50.0 QL=4 ST=2 TYP=3 245 SGMR 4 S/F 1338.0 1341.0 5.0 51.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP		8800 SVTO							
245 SGMR 8 S 1227.0 1227.0 U 54.0 QL=4 ST=3 TYP=8 245 SGMR 8 S 1243.0 1244.0 1.0 50.0 QL=4 ST=3 TYP=3 245 SGMR 8 S 1310.0 1310.0 U 50.0 QL=4 ST=2 TYP=3 245 SGMR 4 S/F 1338.0 1341.0 5.0 51.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1049.0 1050.0 U 63.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1049.0 1050.0 2.0 76.0 QL=2 ST=2 TYP=3 24.0 QL=4 ST=2 TYP=3 24.0					1149.0				
245 SGMR 8 S 1243.0 1244.0 1.0 50.0 QL=4 ST=3 TYP=3 QL=4 SGMR 8 S 1310.0 1310.0 U 50.0 QL=4 ST=2 TYP=3 QL=4 SGMR 8 S 1310.0 1341.0 5.0 51.0 QL=4 ST=2 TYP=3 QL=4 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 QL=4 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 QL=4 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 SGMR 8 S 1606.0 1606.0 U 63.0 QL=2 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 SGMR 8 S 1606.0 1606.0 U 63.0 QL=2 SGMR 8 S 1606.0 1606.0 U 160.0 QL=2 SGMR 8 S 1606.0 1606.0 U 160.0 QL=2 SGMR 8 S 1606.0 1606.0 U 1606.0 QL=2 SGMR 8 S 1606.0 1606.0 QL=4 SGMR 8 S 1606.0 QL=4 SGMR 9 QL=4 S									
245 SGMR 8 S 1310.0 1310.0 U 50.0 QL=4 ST=2 TYP=3 QL5 SGMR 8 S 1426.0 1426.0 U 81.0 QL=4 ST=2 TYP=3 QL=4 ST=2				1227.U 1243 N					QL=4 ST=3 TYP=3
245 SGMR			8 S	1310.0					QL=4 ST=2 TYP=3
245 SGMR 8 S 1606.0 1606.0 U 63.0 QL=4 ST=2 TYP=3 QL=4 ST=2 TY									
24									
280 CUBA 44 NS 1300.0E 148.0D 22.0 8800 SGMR 8 S 1049.0 1050.0 2.0 76.0 15400 SGMR 8 S 1050.0 1050.0 1.0 100.0 QL=2 ST=2 TYP=3 4995 SVTO 8 S 1050.0 1050.0 1.0 28.0 QL=2 ST=2 TYP=3 8800 SVTO 8 S 1050.0 1050.0 1.0 170.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1341.0 1341.0 U 55.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 1341.0 1341.0 U 55.0 QL=4 ST=2 TYP=3 2800 PENT 40 F 1523.0 1524.0 8.0 474.0 245 PALE 8 S 2114.0 2116.0 2.0 53.0 QL=4 ST=2 TYP=3 2800 PENT 45 C 2150.0 2205.0 42.0D 2720.0 QL=4 ST=2 TYP=3 2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 - 500 HIRA 46 C 2156.5 2202.5 50 0 140.0 TE 2			0 0		1000.0	U	63.0		QL=4 ST=2 TYP=3
## 1300.0E	24							14.0	
15400 SGMR					1050.0		7		
- 4995 SVTO 8 S 1050.0 1050.0 1.0 28.0 QL=2 ST=2 TYP=3 R800 SVTO 8 S 1050.0 1050.0 1.0 170.0 QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3 Q		-15400 SGMR			1050.0				
S800 SVTO			8 S	1050.0					
245 SGMR 8 S 1341.0 1341.0 U 55.0 QL=4 ST=2 TYP=3 CL=4 ST=2 TYP=3 QL=4 ST=2 TY		0000 \$VT0				1.0	170.0		
6700 CUBA 2 S/F 1522.9 1523.1 3.9 12.0 6.0 13L 2800 PENT 40 F 1523.0 1524.0 8.0 474.0 245 PALE 8 S 2114.0 2116.0 2.0 53.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 2115.0 2116.0 1.0 52.0 QL=4 ST=2 TYP=3 2800 PENT 45 C 2150.0 2205.0 42.0D 2720.0 245 SGMR 8 S 2151.0 2151.0 U 60.0 QL=4 ST=2 TYP=3 2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 500 HIRA 46 C 2156.5 2202.5 50 0 140.0 TE 2									QL=4 ST=2 TYP=3
L 2800 PENT 40 F 1523.0 1524.0 8.0 474.0 245 PALE 8 S 2114.0 2116.0 2.0 53.0 QL=4 ST=2 TYP=3 2800 PENT 45 C 2150.0 2205.0 42.0D 2720.0 2800 PENT 45 C 2150.0 2205.0 42.0D 2720.0 245 SGMR 8 S 2151.0 2151.0 U 60.0 2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 500 HIRA 46 C 2156.5 2202.5 50.0 140.0 TE 2		— 6700 CUBA						4 0	QL=4 ST=2 TYP=3
245 PALE 8 S 2114.0 2116.0 2.0 53.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 2115.0 2116.0 1.0 52.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 2150.0 2205.0 42.0D 2720.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 2151.0 2151.0 U 60.0 QL=4 ST=2 TYP=3 245 SGMR 8 S 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 2500 HIRA 46 C 2156.5 2202.5 50.0 140.0 TT 2		— 2800 PENT	40 F	1523.0				0.0	15L
2800 PENT 45 C 2150.0 2205.0 42.0D 2720.0 QL=4 ST=2 TYP=3 2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 500 HIRA 46 C 2156.5 2202.5 50.0 140.0 TT 2			_		2116.0	2.0			QL=4 ST=2 TYD=7
245 SGMR 8 S 2151.0 2151.0 U 60.0 QL=4 ST=2 TYP=3 - 2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 - 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 - 500 HIRA 46 C 2156.5 2202.5 50.0 140.0 75.0 QL=4 ST=2 TYP=3		- 240 SGMR - 2800 PENT							
2800 HIRA 47 GB 2155.7 2205.5 180.0 1800.0 QL=4 ST=2 TYP=3 - 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3 - 500 HIRA 46 C 2156.5 2202.5 50.0 140.0 75.2		└ 245 SGMR	_						
- 410 SGMR 8 S 2156.0 2156.0 U 48.0 QL=4 ST=2 TYP=3		_ 2800 HIRA	47 GB	2155.7					
					2156.0	U			
		——————————————————————————————————————	40 U	2156.5	2202.5	50.0	160.0	35.0	

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				AUGU.	2.1. T2	998			
Day	Freq Sta	Туре	Start (UT)	Time of Maximum (UT)	Duration (Min)	Peak	Density Mean W/m 2 Hz)	Int	Remarks
24	- 1415 PALE - 2695 SGMR - 1415 SGMR - 2695 PALE - 410 PALE - 245 SGMR - 4995 PALE	48 C 49 GB 48 C 48 C 4 S/F 49 GB	2157.0 2157.0 2157.0 2157.0 2158.0 2158.0 2158.0	2210.0 2205.0 2210.0 2205.0 2203.0 2203.0 2203.0	39.0 34.0 34.0 65.0 38.0 33.0 64.0	930.0 2200.0 940.0 2100.0 500.0 780.0 3200.0			QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=6
	- 245 PALE - 610 PALE - 610 SGMR - 4995 SGMR - 8800 SGMR - 15400 PALE - 8800 PALE	49 GB 48 C 49 GB 49 GB 49 GB	2158.0 2159.0 2159.0 2159.0 2200.0 2200.0	2203.0 2203.0 2203.0 2203.0 2203.0 2203.0 2203.0	64.0 36.0 32.0 32.0 31.0 62.0	830.0 290.0 220.0 4900.0 1900.0 1200.0 2100.0			QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=8 QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=6
	- 15400 SGMR - 2695 LEAR - 4995 LEAR - 8800 LEAR - 8800 LEAR - 2695 LEAR - 4995 LEAR	49 GB 4 S/F 4 S/F 48 C 20 GRF 20 GRF 48 C	2201.0 2255.0 2255.0 2255.0 2257.0E 2257.0E 2257.0E	2203.0 2258.0 2256.0 2259.0 2303.0U 2309.0U 2259.0U	26.0 65.0 65.0 65.0 9.0D 23.0D	910.0 37.0 98.0 64.0 67.0 42.0 110.0			QL=4 ST=2 TYP=6 QL=4 ST=1 TYP=3 QL=4 ST=1 TYP=3 QL=4 ST=1 TYP=8 QL=4 ST=2 TYP=2 QL=4 ST=2 TYP=2 QL=4 ST=2 TYP=8
25	280 CUBA 235 CUBA 127 TORN	44 NS 44 NS 4 S/F	1325.0E 1325.0E 1012.0	1013.1	405.0D 405.0D 1.9	40.0	14.0 7.0 20.0		
26	280 CUBA 235 CUBA 245 LEAR 245 SVTO 410 SVTO 245 SVTO 2800 PENT	44 NS 44 NS 4 S/F 8 S 8 S 49 GB 8 S 20 C	1300.0E 1300.0E 0327.0 0557.0 0557.0 1116.0 1116.0 2147.0	0327.0 0557.0 0557.0 1116.0 1116.0 2156.0	200.0D 200.0D 753.0 1.0 1.0 1.0 1.0 44.0D	91.0 490.0 54.0 510.0 45.0 9.0	15.0 7.0		QL=4 ST=1 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
27	245 LEAR	4 S/F	0327.0	0327.0	753.0	91.0			QL=4 ST=1 TYP=3
28	410 LEAR 410 LEAR 245 LEAR 245 SVTO 610 LEAR	8 S 4 S/F 8 S 8 S	0511.0 0523.0 0719.0 0719.0 0829.0	0511.0 0525.0 0719.0 0719.0 0830.0	Մ 4.0 Մ Մ 1.0	46.0 28.0 300.0 380.0 69.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
29	2840 BEIJ 2840 BEIJ 245 LEAR 410 LEAR 245 SGMR 410 SVTO 245 SVTO 245 SVTO 245 SVTO 245 SVTO 245 SGMR 2800 PENT	1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0338.0 0456.0 0848.0 0848.0 1208.0 1208.0 1208.0 1413.0 1413.0 1432.0	0344.0 0457.0 0848.0 0848.0 1208.0 1208.0 1208.0 1413.0 1413.0 1432.0	15.0 23.0 1.0 1.0 U 1.0 1.0 U U U U U	4.1 28.6 110.0 36.0 120.0 150.0 150.0 110.0 110.0 160.0 15.0	2.8 19.7		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	410 SGMR - 1415 SVTO - 610 SVTO - 410 SVTO - 1415 SGMR - 610 SGMR - 610 SGMR - 2695 SVTO - 245 SGMR - 2800 PENT - 245 PALE	8 S S S S S S S S S S S S S S S S S S S	1530.0 1530.0 1530.0 1530.0 1531.0 1531.0 1713.0 1740.0 1831.0	1531.0 1531.0 1531.0 1531.0 1531.0 1531.0 1531.0 1715.0 1832.0	2.0 2.0 2.0 1.0 1.0 2.0 111.0 3.0	140.0 110.0 110.0 140.0 93.0 100.0 26.0 420.0 88.0 400.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 245 SGMR - 1415 PALE - 410 PALE - 410 SGMR	4 S/F 8 S 8 S 4 S/F	1831.0 1832.0 1832.0 1832.0	1832.0 1833.0 1833.0 1833.0	4.0 2.0 2.0 3.0	390.0 150.0 180.0 160.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3

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	***************************************		The same section of the sa	Time of	- Control of the Cont	Flux Densi	V	
.	F 04-		Start	Maximum	Duration	Peak Me	ean	
Day	Freq Sta	Туре	(UT)	(UT)	(Mîn)	(10 -22 W/m 2	Hz) Int	Remarks
29	├ 1415 SGMR	4 S/F	1832.0	1833.0	3.0	150.0		QL=4 ST=2 TYP=3
	- 2695 PALE	8 S	1833.0	1833.0	1.0	68.0		QL=4 ST=2 TYP=3
	- 610 PALE - 4995 PALE	8 S 8 S	1833.0	1833.0	1.0	330.0		QL=4 ST=2 TYP=3
	- 2695 SGMR	8 S 8 S	1833.0 1833.0	1833.0 1833.0	1.0 2.0	83.0 76.0		QL=4 ST=2 TYP=3
	- 4995 SGMR	8 S	1833.0	1833.0	2.0	89.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 8800 SGMR	8 S	1833.0	1833.0	2.0	41.0		QL=4 ST=2 TYP=3
	└ 610 SGMR	8 \$	1833.0	1833.0	2.0	320.0		QL=4 ST=2 TYP=3
	245 SGMR	49 GB	2150.0	2151.0	1.0	1000.0		QL=4 ST=2 TYP=6
	└ 410 SGMR	49 GB	2150.0	2150.0	1.0	790.0		QL=4 ST=2 TYP=6
30	245 LEAR	43 NS	0416.0	0726.0	340.0	250.0		QL=4 ST=2 TYP=1
	└ 245 svto	43 NS	0456.0	0851.0	403.0	94.0		QL=4 ST=3 TYP=1
	245 SGMR	43 NS	1259.0	1321.0	34.0	93.0		QL=4 ST=2 TYP=1
	└ 245 SVTO	43 NS 43 NS	1313.0 1852.0	1333.0 1917.0	20.0 26.0	99.0		QL=4 ST=2 TYP=1
	245 PALE	43 NS	1852.0	1852.0	308.0	77.0 63.0		QL=4 ST=2 TYP=1 QL=4 ST=3 TYP=1
	410 LEAR	8 \$	0031.0	0032.0	1.0	34.0		QL=4 ST=2 TYP=3
	— 610 LEAR	8 S	0031.0	0032.0	1.0	11.0		QL=4 ST=2 TYP=3
	└ 245 LEAR	8 S	0031.0	0032.0	1.0	130.0		QL=4 ST=2 TYP=3
	245 LEAR 410 LEAR	49 GB 8 S	0050.0 0050.0	0051.0 0051.0	1.0	720.0		QL=4 ST=2 TYP=6
	410 PALE	8 \$	0050.0	0051.0	1.0 1.0	83.0 140.0		QL=4 ST=2 TYP=3
	245 PALE	49 GB	0050.0	0051.0	1.0	980.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=6
	- 410 LEAR	8 S	0126.0	0126.0	U	190.0		QL=4 ST=2 TYP=3
	410 PALE	8 S	0126.0	0126.0	U	330.0		QL=4 ST=2 TYP=3
	245 LEAR	8 S	0135.0	0135.0	U	71.0		QL=4 ST=2 TYP=3
	└ 245 PALE	8 S 8 S	0135.0 0257.0	0135.0 0258.0	ນ 1.0	56.0 140.0		QL=4 ST=2 TYP=3
	245 PALE	8 S	0258.0	0258.0	U	160.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	_ 245 PALE	8 S	0323.0	0324.0	1.0	94.0		QL=4 ST=2 TYP=3
	└ 245 LEAR	8 S	0324.0	0324.0	· U	120.0		QL=4 ST=2 TYP=3
	☐ 410 LEAR 410 SVTO	8 S	0459.0	0459.0	1.0	66.0		QL=4 ST=2 TYP=3
	1415 SVTO	8 S 4 S/F	0459.0 0532.0	0459.0 0533.0	1.0 1108.0	71.0 54.0		QL=2 ST=2 TYP=3
	_ 245 LEAR	49 GB	0637.0	0637.0	1.0	1200.0		QL=4 ST=1 TYP=3 QL=4 ST=2 TYP=6
	- 410 LEAR	8 S	0637.0	0637.0	1.0	45.0		QL=4 ST=2 TYP=3
	- 410 SVTO	8 S	0637.0	0637.0	1.0	82.0		QL=2 ST=2 TYP=3
	└ 245 SVTO	49 GB	0637.0	0637.0	1.0	1800.0		QL=2 ST=2 TYP=6
	- 610 LEAR - 410 LEAR	8 S 8 S	0645.0 0645.0	0645.0	1.0	120.0		QL=4 ST=2 TYP=3
	245 LEAR	49 GB	0645.0	0645.0 0645.0	1.0 1.0	230.0 660.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=6
	- 245 SVTO	49 GB	0645.0	0645.0	1.0	960.0		QL=2 ST=2 TYP=6
	─ 610 SVTO	8 S	0645.0	0645.0	1.0	130.0		QL=2 ST=2 TYP=3
	410 SVTO	8 \$	0645.0	0645.0	1.0	260.0		QL=2 ST=2 TYP=3
	245 SVTO	48 C	0647.0	0649.0	3.0	270.0		QL=2 ST=2 TYP=8
	- 410 LEAR - 410 SVTO	8 S 48 C	0648.0 0648.0	0649.0 0648.0	2.0 2.0	190.0 380.0		QL=4 ST=2 TYP=3
	- 610 LEAR	8 S	0649.0	0649.0	1.0	66.0		QL=2 ST=2 TYP=8 QL=4 ST=2 TYP=3
	└ 245 LEAR	8 S	0649.0	0649.0	1.0	220.0		QL=4 ST=2 TYP=3
	_ 610 SVTO	8 S	0649.0	0649.0	1.0	67.0		QL=2 ST=2 TYP=3
	└ 245 LEAR	48 C	0705.0	0713.0	13.0	560.0		QL=4 ST=2 TYP=8
	245 SVTO 245 SGMR	48 C 8 S	0705.0 1225.0	0713.0 1225.0	12.0 ປ	770.0		QL=2 ST=2 TYP=8
	245 SGMR	8 S	1247.0	1248.0	2.0	61.0 63.0		QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 410 SGMR	4 S/F	1251.0	1251.0	3.0	230.0		QL=4 ST=2 TYP=3
	410 SVTO	8 S	1251.0	1251.0	2.0	270.0		QL=2 ST=2 TYP=3
	- 127 TORN	4 S/F	1252.3	1253.6	2.4	50.0 10.	.0	
	- 610 SGMR - 610 SVTO	8 \$ 8 \$	1253.0	1253.0	1.0	120.0		QL=4 ST=2 TYP=3
	245 SVTO	8 S 8 S	1253.0 1253.0	1253.0 1253.0	1.0 U	51.0 62.0		QL=2 ST=2 TYP=3
	245 SGMR	8 S	1447.0	1449.0	2.0	52.0 52.0		QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
	245 SVTO	8 S	1637.0	1637.0	1.0	210.0		QL=4 ST=2 TYP=3
	- 610 PALE	49 GB	1802.0	1803.0	3.0	570.0		QL=4 ST=2 TYP=6
	- 1415 PALE	4 S/F	1802.0	1803.0	3.0	53.0		QL=4 ST=2 TYP=3
	- 245 PALE	49 GB	1802.0	1803.0	4.0	1800.0		QL=4 ST=2 TYP=6
	- 410 PALE -15400 SGMR	49 GB 4 S/F	1802.0 1802.0	1802.0 1803.0	3.0	1800.0		QL=4 ST=2 TYP=6
	8800 SGMR	4 S/F	1802.0	1803.0	6.0 6.0	190.0 140.0		QL=4 ST=2 TYP=3
	1	. 0/.			5.0	140.0		QL=4 ST=2 TYP=3

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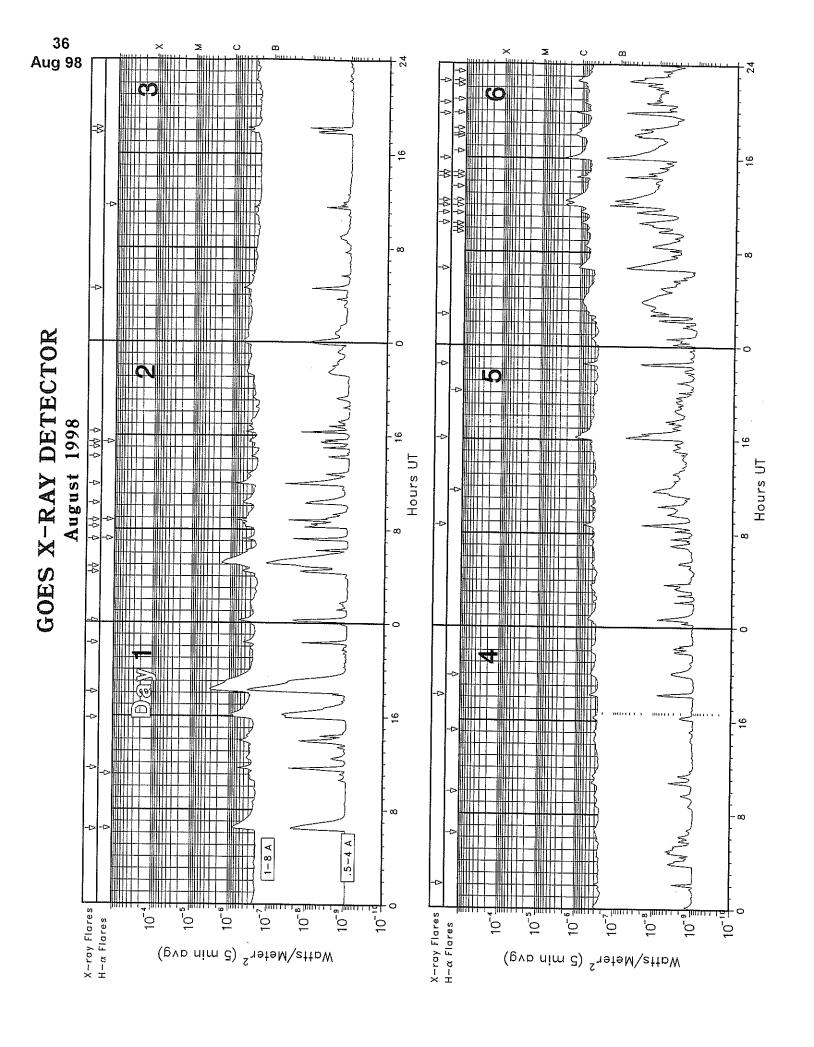
				71000		770	The second secon		-
			Start	Time of	D		Density		
Day	Freq Sta	Type	(UT)	Maximum (UT)	Duration (Min)	Peak (10 -22	Mean W/m 2 Hz)	Int	Remarks
30	245 SGMR	49 GB	1802.0	1803.0	6.0	1700.0			01. / 07. 0. 7/0. /
	- 2695 SGMR	4 S/F	1802.0	1803.0	6.0	77.0			QL=4 ST=2 TYP=6 QL=4 ST=2 TYP=3
	- 610 SGMR	4 S/F	1802.0	1803.0	3.0	440.0			QL=4 ST=2 TYP=3
	- 1415 SGMR	4 S/F	1802.0	1803.0	4.0	51.0			QL=4 ST=2 TYP=3
	- 410 SGMR - 8800 PALE	49 GB 8 S	1802.0 1803.0	1802.0	3.0	1500.0			QL=4 ST=2 TYP=6
	-15400 PALE	4 S/F	1803.0	1803.0 1803.0	1.0 3.0	150.0 180.0			QL=4 ST=2 TYP=3
	- 2695 PALE	4 S/F	1803.0	1803.0	3.0	71.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 4995 PALE	4 S/F	1803.0	1803.0	3.0	140.0			QL=4 ST=2 TYP=3
	└ 4995 SGMR	4 S/F	1803.0	1803.0	5.0	120.0			QL=4 ST=2 TYP=3
	- 245 PALE - 610 PALE	48 C 49 GB	1824.0 1825.0	1828.0 1827.0	11.0	73.0			QL=4 ST=2 TYP=8
	410 PALE	48 C	1826.0	1832.0	21.0 10.0	600.0 180.0			QL=4 ST=2 TYP=6
	- 610 SGMR	4 S/F	1826.0	1827.0	14.0	480.0			QL=4 ST=2 TYP=8 QL=4 ST=3 TYP=3
	— 410 SGMR	48 C	1826.0	1832.0	11.0	140.0			QL=4 ST=3 TYP=8
	610 SGMR 410 SGMR	4 S/F	1826.0	1827.0	334.0	480.0			QL=4 ST=3 TYP=3
	- 245 PALE	48 C 49 GB	1826.0 1927.0	1832.0 1927.0	334.0 1.0	140.0			QL=4 ST=3 TYP=8
	410 PALE	8 S	1927.0	1927.0	1.0	2000.0 61.0			QL=4 ST=2 TYP=6
	- 245 SGMR	49 GB	1927.0	1927.0	1.0	1900.0			QL=4 ST=2 TYP=3 QL=4 ST=2 TYP=6
	→ 410 SGMR	8 S	1927.0	1928.0	1.0	42.0.			QL=4 ST=2 TYP=3
	└ 610 SGMR 410 SGMR	8 S	1928.0	1928.0	_ U	32.0			QL=4 ST=2 TYP=3
	245 SGMR	4 S/F 4 S/F	1938.0 2018.0	1940.0 2021.0	3.0 3.0	53.0			QL=4 ST=2 TYP=3
					3,0	71.0			QL=4 ST=2 TYP=3
31	245 SVTO	43 NS 43 NS	0659.0 0702.0	0709.0 0715.0	603.0 15.0	280.0 59.0			QL=4 ST=2 TYP=1
	— 127 TORN	43 NS	0720.0	011510	300.0	39.0	3.0		QL=4 ST=2 TYP=1 V=1
	- 245 LEAR	43 NS	0842.0	0851.0	74.0	110.0	3.0		QL=4 ST=2 TYP=1
	- 245 SGMR	43 NS	1126.0	1550.0	682.0	180.0			QL=4 ST=2 TYP=1
	- 280 CUBA - 245 PALE	44 NS 43 NS	1320.0E 1652.0	105/ 0	288.0D	440.0	39.0		
	410 SGMR	43 NS	2211.0	1854.0 2212.0	696.0 37.0	110.0 68.0			QL=2 ST=2 TYP=1
	245 LEAR	43 NS	2251.0	2323.00	446.0	62.0			QL=4 ST=2 TYP=1 QL=4 ST=2 TYP=1
	_ 610 SVTO	8 S	0.000	0.000	U	320.0			QL=4 ST=3 TYP=3
	- 610 SVTO	8 S	0.000	0000.0	U	320.0			QL=4 ST=3 TYP=3
	610 SVTO	4 S/F 4 S/F	0.000	1536.0 1811.0	938.0	320.0			QL=4 ST=3 TYP=3
	245 LEAR	8 S	0249.0	0249.0	1090.0 ປ	320.0 55.0			QL=4 ST=3 TYP=3
	2840 BEIJ	45 C	0501.0	0510.1	14.0	16.3	9.4		QL=4 ST=2 TYP=3
	245 LEAR	8 S	0624.0	0624.0	U	79.0			QL=4 ST=2 TYP=3
	- 245 SVTO - 610 SVTO	48 C 4 S/F	0624.0	0624.0	3.0	100.0			QL=2 ST=2 TYP=8
	410 SVTO	8 S	0624.0 0624.0	0626.0 0626.0	3.0 2.0	17.0 19.0			QL=2 ST=2 TYP=3
	- 610 LEAR	8 S	0625.0	0626.0	1.0	26.0			QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
	└ 410 LEAR	8 S	0625.0	0626.0	1.0	32.0			QL=4 ST=2 TYP=3
	245 LEAR	20 GRF	0659.0	0709.0	23.0	200.0			QL=4 ST=3 TYP=2
	245 LEAR 245 LEAR	8 S 8 S	0724.0 0751.0	0724.0	U	87.0			QL=4 ST=3 TYP=3
	245 LEAR	8 S	0817.0	0751.0 0817.0	U V	60.0 83.0			QL=4 ST=2 TYP=3
	610 SVTO	8 \$	1026.0	1027.0	2.0	230.0			QL=4 ST=2 TYP=3 QL=2 ST=2 TYP=3
	- 410 SVTO	8 S	1026.0	1026.0	U.	34.0			QL=2 ST=2 TYP=3
	245 SVTO	49 GB	1026.0	1026.0	U	950.0			QL=2 ST=2 TYP=6
	- 610 SGMR - 1415 SGMR	8 S 4 S/F	1053.0 1053.0	1055.0	2.0	38.0			QL=2 ST=2 TYP=3
	- 245 SGMR	4 S/F	1053.0	1054.0 1054.0	3.0 3.0	56.0 66.0			QL=2 ST=2 TYP=3
	- 410 SGMR	8 S	1053.0	1053.0	1.0	90.0			QL=2 ST=2 TYP=3 QL=2 ST=2 TYP=3
	- 410 SVTO	8 S	1053.0	1053.0	1.0	210.0			QL=2 ST=2 TYP=3
	127 TORN	8 S	1053.5	1054.1	1.5	290.0	140.0		UNCERTAIN
	└ 245 SVTO	8 S 8 S	1054.0	1054.0	U	66.0			QL=2 ST=2 TYP=3
	610 SGMR	8 S	1112.0 1112.0	1112.0 1112.0	1.0 1.0	64.0 64.0			QL=4 ST=3 TYP=3
	245 SVTO	8 S	1241.0	1242.0	1.0	190.0			QL=4 ST=2 TYP=3
	_ 2695 SGMR	8 S	1254.0	1254.0	Ü	38.0			QL=2 ST=2 TYP=3 QL=4 ST=2 TYP=3
	- 4995 SGMR	8 S	1254.0	1254.0	2.0	48.0			QL=4 ST=2 TYP=3
	— 8800 SGMR — 245 SGMR	8 S 4 S/F	1254.0	1254.0	2.0	28.0			QL=4 ST=2 TYP=3
	1415 SGMR	4 S/F 8 S	1254.0 1254.0	1257.0 1254.0	4.0 U	61.0			QL=4 ST=2 TYP=3
	_ 1415 SGMR	8 S	1535.0	1535.0	2.0	18.0 66.0			QL=4 ST=2 TYP=3
	•	-							QL=4 ST=2 TYP=3

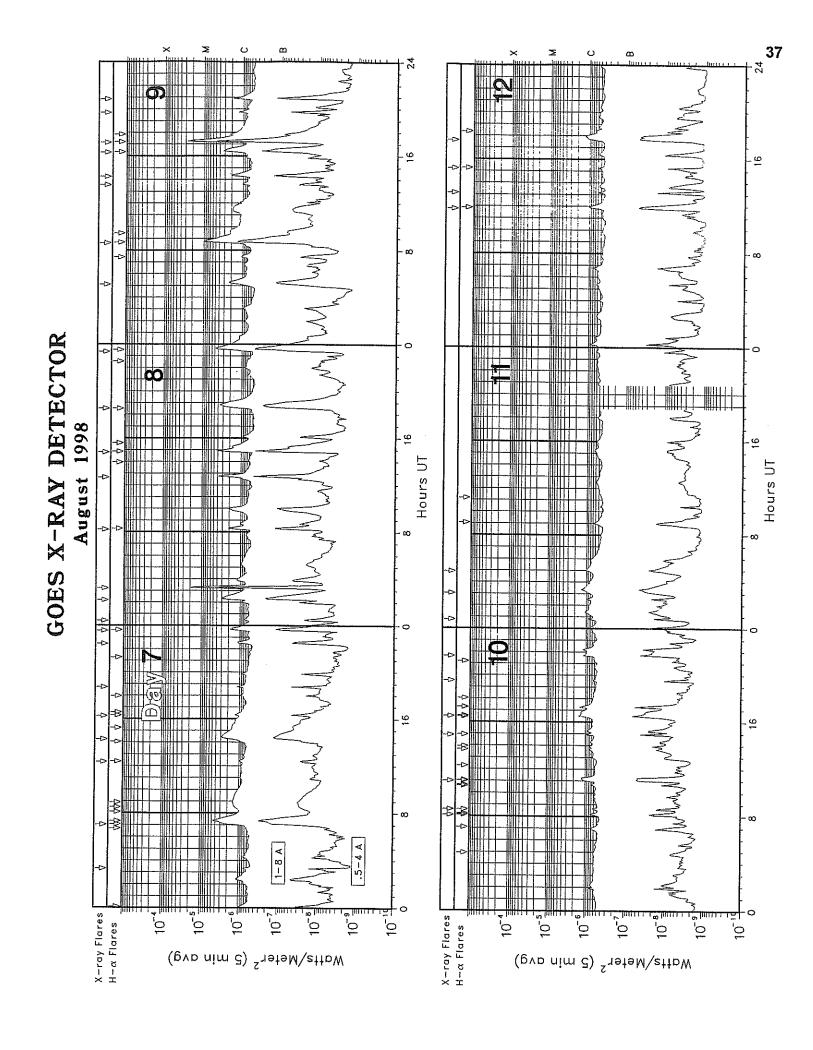
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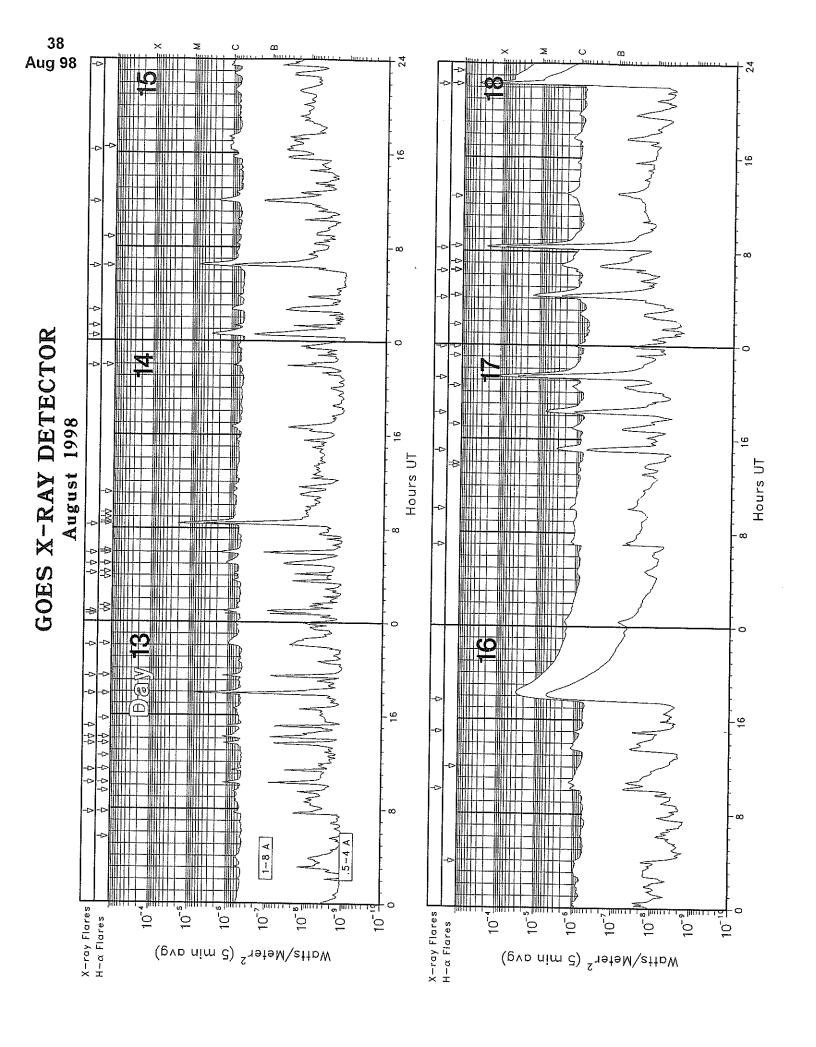
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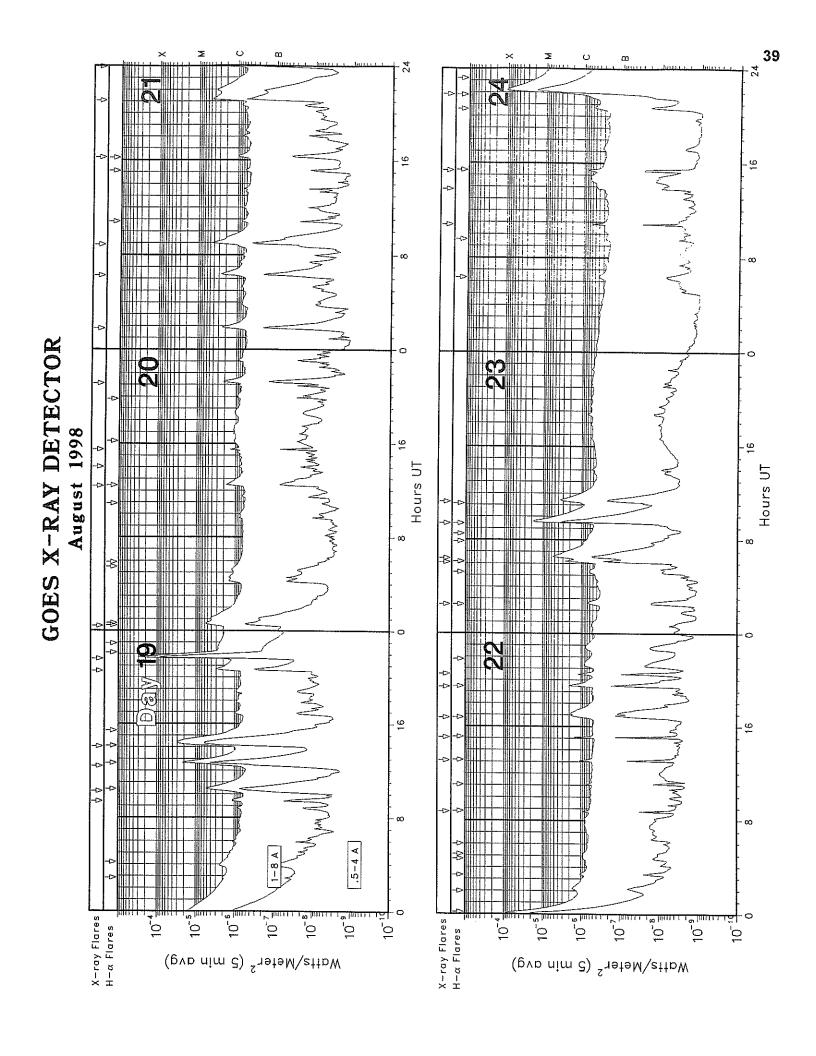
1	Day	Freq	Sta	Ту	pe	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Densit on Peak Me (10 -22 W/m 2	an	Remarks
- 4995 SGMR 8 S 1535.0 1536.0 2.0 69.0	31	<u>⊢</u> 610	SGMR	8	s	1535.0	1535.0	2.0	410.0	***************************************	01=4 ST=2 TYP=7
- 410 SVTO 49 GB 1535.0 1535.0 2.0 950.0 QL=2 ST=3 TYP=6 - 245 SVTO 49 GB 1535.0 1536.0 1.0 930.0 QL=2 ST=3 TYP=6 - 610 SVTO 4 S/F 1535.0 1536.0 3.0 320.0 QL=4 ST=3 TYP=6 - 1415 SVTO 8 S 1535.0 1535.0 2.0 94.0 QL=4 ST=3 TYP=6 - 8800 SVTO 8 S 1535.0 1535.0 2.0 73.0 QL=4 ST=3 TYP=6 - 8800 SVTO 8 S 1535.0 1536.0 1.0 51.0 QL=4 ST=3 TYP=6 - 15400 SGMR 8 S 1536.0 1536.0 1.0 51.0 QL=4 ST=2 TYP=6 - 15400 SGMR 8 S 1536.0 1536.0 1.0 39.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 1.0 44.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 1.0 47.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 8800 SGMR 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=2 TYP=6 - 2695 SVTO 8 S 1536.0 QL=4 ST=6 TYP=6 - 2695 SVTO 8 S 15		4995	SGMR	8	S	1535.0	1536.0				
- 245 SVTO 49 GB 1535.0 1536.0 1.0 930.0 QL=2 ST=3 TYP=6 - 610 SVTO 4 S/F 1535.0 1536.0 3.0 320.0 QL=4 ST=3 TYP=5 - 1415 SVTO 8 S 1535.0 1535.0 2.0 94.0 QL=4 ST=3 TYP=3 - 8800 SVTO 8 S 1535.0 1536.0 1.0 51.0 QL=2 ST=3 TYP=3 - 15400 SGMR 8 S 1536.0 1536.0 1.0 39.0 QL=4 ST=2 TYP=3 - 15400 SGMR 8 S 1536.0 1536.0 1.0 39.0 QL=4 ST=2 TYP=3 - 18400 SGMR 8 S 1536.0 1536.0 1.0 39.0 QL=4 ST=2 TYP=3 - 2695 SVTO 8 S 1536.0 1536.0 1.0 45.0 QL=4 ST=2 TYP=3 - 2695 SVTO 8 S 1536.0 1536.0 1.0 45.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 1536.0 1.0 45.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 000.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 1536.0 QL=4 ST=3 TYP=3 - 2695 SVTO 8 S 153				49	GB	1535.0		2.0	950.0		
- 610 SVTO 4 S/F 1535.0 1536.0 3.0 320.0 QL=4 ST=3 TYP=3					GB		1536.0	1.0	930.0		
- 1415 SVTO 8 S 1535.0 1535.0 2.0 94.0 QL=4 ST=3 TYP=3				•			1536.0	3.0	320.0		
- 2695 SMRR 8 \$ 1536.0 1536.0 1.0 51.0 0 1.4 ST=2 TYP=3				-	-		1535.0	2.0	94.0		
- 2695 SGMR 8 \$ 1536.0 1536.0 1.0 51.0 QL=4 ST=2 TYP=3									73.0		QL=2 ST=3 TYP=3
					-				51.0		
- 4995 SVTO 8 S 1536.0 1536.0 U 47.0 QL=4 ST=3 TYP=3 C955 SVTO 8 S 1535.0 1536.0 1.0 45.0 QL=4 ST=3 TYP=3 C955 SVTO 8 S 1535.0 1536.0 U 33.0 QL=4 ST=3 TYP=3 C955 SVTO 4 S/F 1536.0 0000.0 504.0 45.0 QL=4 ST=3 TYP=3 C955 SVTO 4 S/F 1538.0 1536.0 U 33.0 QL=4 ST=3 TYP=3 C955 SVTO 4 S/F 1538.0 1536.0 QL=4 ST=3 TYP=3 C955 SVTO 4 S/F 1538.0 1540.0 3.0 200.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1539.0 1540.0 2.0 98.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1539.0 1540.0 2.0 98.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1540.0 U 250.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1709.0 3.0 56.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1709.0 3.0 56.0 QL=4 ST=2 TYP=3 C955 SVTO 8 S 1540.0 1709.0 3.0 SVTO 8 SVT			,		-				39.0		QL=4 ST=2 TYP=3
- 2695 SVTO 8 S 1536.0 1536.0 1.0 45.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1535.0 1536.0 10 33.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1535.0 1536.0 10 33.0 200.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1535.0 1540.0 2.0 98.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1539.0 1540.0 2.0 98.0 0L=4 ST=2 TYP=3 FF.505 SVTO 8 S 1539.0 1540.0 2.0 98.0 0L=4 ST=2 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 1.0 30.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=2 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=4 ST=2 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=4 ST=2 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=4 ST=2 TYP=3 FF.505 SVTO 8 S 1540.0 1540.0 0L=4 ST=3 TYP=3 FF.505 SVTO 8 S 1540.0 0L=4 ST=3 TY		1						1.0	64.0		QL=4 ST=2 TYP=3
-15400 SVTO 8 S 1536.0 1536.0 U 33.0 QL=4 ST=3 TYP=3 C855 SVTO 4 S/F 1536.0 0000.0 504.0 45.0 QL=4 ST=3 TYP=3 C855 SVTO 4 S/F 1536.0 0000.0 504.0 45.0 QL=4 ST=3 TYP=3 C855 SVTO 4 S/F 1536.0 1540.0 3.0 200.0 QL=4 ST=3 TYP=3 C855 SVTO 4 S/F 1538.0 1540.0 2.0 98.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1539.0 1540.0 2.0 98.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1539.0 1540.0 2.0 86.0 QL=2 ST=3 TYP=3 C855 SVTO 8 S 1540.0 1540.0 1.0 30.0 QL=4 ST=3 TYP=3 C855 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C855 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 56.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 C855 SVTO 8 S 1540.0 QL=4 ST=2 TYP=3 C		1						-			QL=4 ST=3 TYP=3
- 2695 SVTO 4 S/F 1536.0 0000.0 504.0 45.0 01=4 ST=3 TYP=3				_	_						QL=4 ST=3 TYP=3
245 SGMR				_				_			QL=4 ST=3 TYP=3
410 SGMR											QL=4 ST=3 TYP=3
- 410 SVTO 8 S 1539.0 1540.0 2.0 86.0 QL=2 ST=3 TYP=3 1415 SVTO 8 S 1540.0 1540.0 1.0 30.0 QL=4 ST=3 TYP=3 245 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3 410 PALE 4 S/F 1708.0 1709.0 3.0 56.0 QL=4 ST=2 TYP=3 245 PALE 4 S/F 1708.0 1709.0 3.0 91.0 QL=4 ST=2 TYP=3 QL=4 ST=3 TYP=3 QL=4					•						QL=4 ST=2 TYP=3
1415 SVTO 8 S				_	_						QL=4 ST=2 TYP=3
245 SVTO 8 S 1540.0 1540.0 U 250.0 QL=2 ST=3 TYP=3											QL=2 ST=3 TYP=3
A 10 PALE 4 S/F 1708.0 1709.0 3.0 56.0 QL=4 ST=2 TYP=3 Reports are received routinely from the following observatories: BERN = Berne HUMN = Humain ONDR = Ondrejov SVIO = San Vito CRIM = Crimea IZMI = IZMIRAN PEKG = Peking TORN = Torun CUBA = Havana KISV = Kislovodsk PALE = Palehua TRST = Trieste GORK = Gorky KRAK = Krakow PENT = Penticton TYKW = Toyokawa HIRA = Hiraiso LEAR = Learmonth POTS = Potsdam UPIC = Upice Explanation of Type Code: 1 Simple 1 7 Minor + 24 Rise 30 Post Burst Increase A 43 Onset of Noise Storm 2 Simple 2 20 Simple 3 26 Fall 33 Absorption 45 Complex 4 Simple 2F 21 Simple 3A 27 Rise and Fall 40 Fluctuation 46 Complex F 5 Simple 22 Simple 3A 27 Rise and Fall 40 Fluctuation 46 Complex F 5 Simple 22 Simple 3A 29 Post Burst Increase 42 Series of Bursts 48 Major 1A Simple 1A 4A Simple 2AF 24PF Post Rise F 27F Rise and Fall F 3A Simple 2A 40 Rise Only 16A Fall A 27AF Rise and Fall AF 21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A 21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A 25 Foreas Burst Decrease A 27AF Rise and Fall AF 27AF Rise AF 2				_							
Reports are received routinely from the following observatories: Reports are received routinely from the following observatories: RERN = Berne HUMN = Humain ONDR = Ondrejov SVTO = San Vito CRIM = Crimea IZMI = IZMIRAN PEKG = Peking TORN = Torun CUBA = Havana KISV = Kislovodsk PALE = Palehua TRST = Trieste GORK = Gorky KRAK = Krakow PENT = Penticton TYKW = Toyokawa HIRA = Hiraiso LEAR = Learmonth POTS = Potsdam UPIC = Upice HUAN = Huancayo NOBE = Nobeyama SGMR = Sagamore Hill Explanation of Type Code: 1 Simple 1 7 Minor + 24 Rise 30 Post Burst Increase A 43 Onset of Noise Storm 2 Simple 1 7 Minor + 24 Rise A 31 Post Burst Decrease 44 Noise Storm in Progress A Simple 2 20 Simple 3 26 Fall 33 Absorption 45 Complex 4 Simple 2F 21 Simple 3A 27 Rise and Fall 40 Fluctuation 46 Complex F 5 Simple 22 Simple 3F 28 Precusor 41 Group of Bursts 47 Great Burst 6 Minor 23 Simple 3AF 29 Post Burst Increase 42 Series of Bursts 48 Major 1A Simple 1A 4A Simple 2AF 24PF Post Rise F 27F Rise and Fall F 3A Simple 2A 40 Rise Only 16A Fall A 27AF Rise and Fall AF 21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A				_	_						
Reports are received routinely from the following observatories: BERN = Berne											
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Explanation of Type Code: 1 Simple 1 7 Minor + 24 Rise 30 Post Burst Increase A 43 Onset of Noise Storm 2 Simple 1F 8 Spike 25 Rise A 31 Post Burst Decrease 44 Noise Storm in Progress 3 Simple 2 20 Simple 3 26 Fall 33 Absorption 45 Complex 4 Simple 2F 21 Simple 3A 27 Rise and Fall 40 Fluctuation 46 Complex F 5 Simple 22 Simple 3F 28 Precusor 41 Group of Bursts 47 Great Burst 6 Minor 23 Simple 3AF 29 Post Burst Increase 42 Series of Bursts 48 Major 1A Simple 1A 4A Simple 2AF 24PF Post Rise F 27F Rise and Fall F 3A Simple 2A 40 Rise Only 16A Fall A 27AF Rise and Fall AF 21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A										UPI	c = Upice
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3A Simple 2A 40 Rise Only 16A Fall A 27AF Rise and Fall AF 21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A	חואס	or	25 Si	mple	3AF	29 Post B	urst Increas	e 42 Se	ries of Bursts	48 Major	
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21A Simple 3A GRF 40F Rise Only F 260 Fall Only 31A Post Burst Decrease A	3AS	imple 2A			4						
The Atlanta and the second and the s	21A S	imple 3A	GRF		4						
	2A S	imple 1A	F								

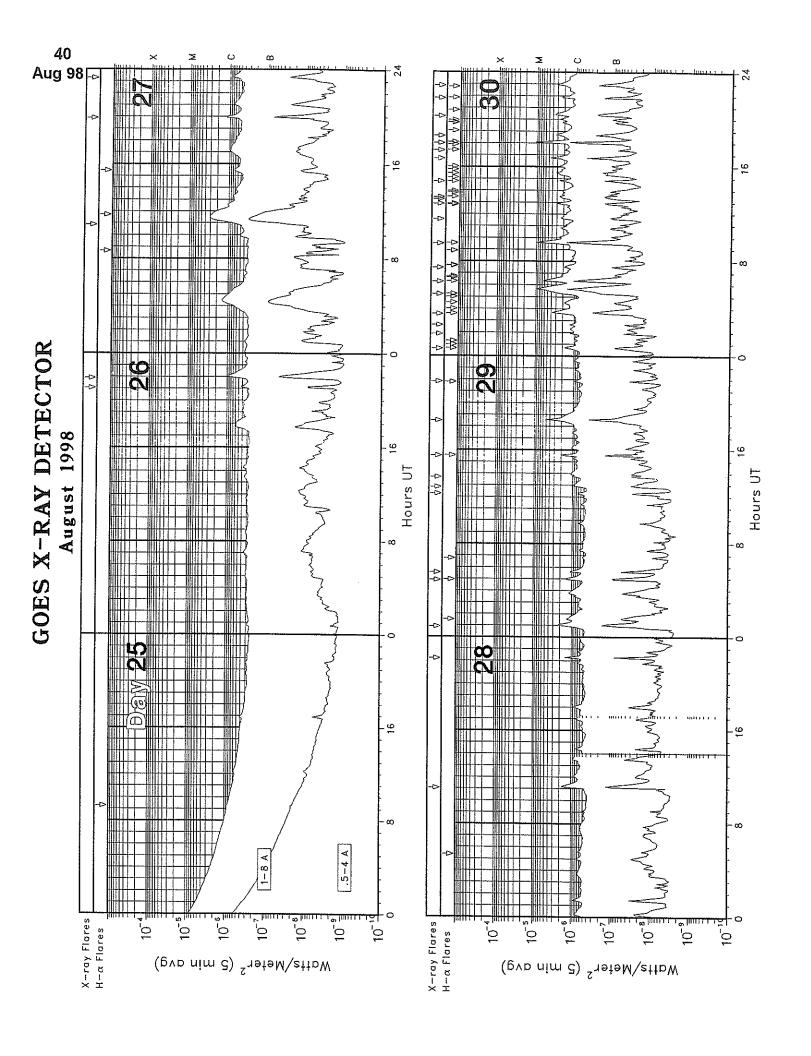
RSTN Site Information: Beginning in April 1986, the RSTN sites LEAR, PALE, SGMR, and SVTO fixed frequency solar radio data are periodically adjusted to several world standard stations. These world standard stations include: Kislovodsk, USSR 15,500 MHz; Penticton, Canada 2800 MHz; and Hiraiso, Japan 500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

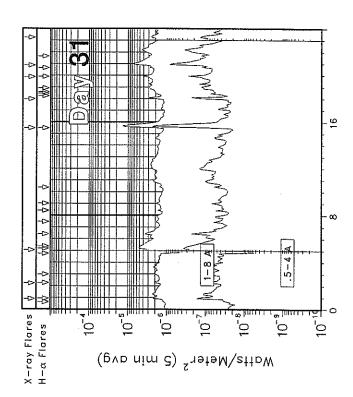












GOES SOLAR X-RAY FLARES **Preliminary Listing**

August 1998

01 1731 7137 1147 86.2 2.9E-04 09 1619 1626 1641 \$23 W15 SF C3.4 8293 01 1552 1610 1628 89.2 1.6E-03 09 1709 1718 1723 N15 E55 28 M3.3 8299 01 1804 1820 1842 C3.3 5.1E-03 09 1941 1946 1952	1.5E-03 3.4E-03 1.4E-02 7.7E-04 4.6E-04 4.6E-04 6.2E-04 6.3E-04 6.9E-04
01 0618 0630 0651 S19 E44 1F B7.8 8288 1.2E-03 01 1131 1137 1141 B6.2 2.9E-04 01 1552 1610 1628 B9.2 1.6E-03 01 1804 1820 1842 C3.3 5.1E-03 01 2217 2221 2225 B5.3 2.0E-04 02 0009 0015 0019 B7.0 2.8E-04 02 0422 0432 0438 B5.1 4.2E-04 02 0450 0513 0532 C1.7 2.7E-03 02 0711 0715 0717 S18 E79 SF B8.2 1.8E-04 02 0814 0818 0822 B6.1 2.1E-04 09 1415 1423 1430 C2.1 09 1619 1626 1641 S23 W15 SF C3.4 8293 09 1709 1718 1723 N15 E55 2B M3.3 8299 09 1941 1946 1952 C1.3 09 2050 2055 2101 C2.0	1.5E-03 3.4E-03 1.4E-02 7.7E-04 4.6E-04 4.6E-04 5.2E-04 5.3E-04
01 0618 0630 0651 S19 E44 1F B7.8 8288 1.2E-03 01 1131 1137 1141 B6.2 2.9E-04 01 1552 1610 1628 B9.2 1.6E-03 01 1804 1820 1842 C3.3 5.1E-03 01 2217 2221 2225 B5.3 2.0E-04 02 0009 0015 0019 B7.0 2.8E-04 02 0422 0432 0438 B5.1 4.2E-04 02 0450 0513 0532 C1.7 2.7E-03 02 0711 0715 0717 S18 E79 SF B8.2 1.8E-04 02 0814 0818 0822 B6.1 2.1E-04 09 1415 1423 1430 C2.1 09 1619 1626 1641 S23 W15 SF C3.4 8293 09 1709 1718 1723 N15 E55 2B M3.3 8299 09 1941 1946 1952 C1.3 09 2050 2055 2101 C2.0	1.5E-03 3.4E-03 1.4E-02 7.7E-04 4.6E-04 4.6E-04 5.2E-04 5.3E-04
01 1131 1137 1141	3.4E-03 1.4E-02 7.7E-04 4.6E-04 4.6E-04 5.2E-04 5.3E-04 6.9E-04
01 1552 1610 1628 B9.2 1.6E-03 09 1709 1718 1723 N15 E55 2B M3.3 8299 01 1804 1820 1842 C3.3 5.1E-03 09 1941 1946 1952 C1.3 02 2217 2221 2225 B5.3 2.0E-04 09 2050 2055 2101 C2.0 02 0009 0015 0019 B7.0 2.8E-04 10 0805 0814 0816 N15 E51 SF B8.4 8299 02 0422 0432 0438 B5.1 4.2E-04 10 0835 0840 0842 S23 W18 SF B7.6 8293 02 0450 0513 0532 C1.7 2.7E-03 10 1059 1103 1107 N15 E49 SF C1.6 8293 02 0711 0715 0717 S18 E79 SF B8.2 1.8E-04 10 1452 1456 1502 S24 W28 SF C1.0 8293 02 0814 0818 0822 B6.1 2.1E-04 10 1628 1632 1636 N27 E33 SF C1.7 8297	1.4E-02 7.7E-04 9.7E-04 4.6E-04 2.8E-04 5.2E-04 5.3E-04 6.9E-04
01 1804 1820 1842 C3.3 5.1E-03 09 1941 1946 1952 C1.3 C2.0 02 0009 0015 0019 B7.0 2.8E-04 10 0805 0814 0816 N15 E51 SF B8.4 8299 02 0422 0432 0438 B5.1 4.2E-04 10 0835 0840 0842 S23 W18 SF B7.6 8293 02 0450 0513 0532 C1.7 2.7E-03 10 1059 1103 1107 N15 E49 SF C1.6 8293 02 0711 0715 0717 S18 E79 SF B8.2 1.8E-04 10 1452 1456 1502 S24 W28 SF C1.0 8293 02 0814 0818 0822 B6.1 2.1E-04 10 1628 1632 1636 N27 E33 SF C1.7 8297	7.7E-04 9.7E-04 4.6E-04 2.8E-04 5.2E-04 5.3E-04 6.9E-04
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02 0450 0513 0532	5.2E-04 5.3E-04 5.9E-04 2.1E-04
02 0711 0715 0717 S18 E79 SF B8.2 1.8E-04 10 1452 1456 1502 S24 W28 SF C1.0 8293 02 0814 0818 0822 B6.1 2.1E-04 10 1628 1632 1636 N27 E33 SF C1.7 8297	3E-04 5.9E-04 2.1E-04
02 0814 0818 0822 B6.1 2.1E-04 10 1628 1632 1636 N27 E33 SF C1.7 8297	5.9E-04 2.1E-04
	.1E-04 .7E-03
	.7E-03
02 1014 1019 1029 B5.8 4.2E-04 10 2137 2142 2206 N21 W22 SF C1.1 8298 02 1151 1156 1201 B8.9 3.8E-04	
02 1/11 1/15 1/10 P7 5 1 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
02 1/50 1507 1504 87.0	.6E-04
02 1525 1530 1536 S21 E74 SF B3.8 8293 2.3E-04 11 0454 0459 0509 C1 0	2.7E-03
02 1619 1623 1626 B6.5 1.9E-04	
03 0431 0437 0443 B5.7 3.6E-04 12 1308 1311 1314 B7.0	
A A A A A A A A A A A A A A A A A A A	.1E-04
03 1811 1815 1818 PE 5 4 95 07 42 475 1710 1710 523 W33 SF B6.9 8293	
11.5 4 11.5 11.5 1000 (1.5	.1E-03
04 0202 0205 0209 B3.3 1.3E-04 13 0741 0744 0746 N14 W02 SF B9.0 8299	.1E-04
04 1010 1016 1025 84.5 3.6E-04 1 13 1012 1016 1021 N16 E06 SF C1.5 8299 1	.6E-04
05 0841 0846 0852 B6.9 4.1E-04 13 1334 1340 1345 N15 F04 SE 01 3 8300	.7E-04
2017 4-16 04 13 1334 1340 1343 N13 E04 SF C1-3 8299 (.9E-04
05 2224 2230 2235 B9.0 4.5E-04 13 1504 1509 1512 C1.5 13 1750 1756 1800 S25 W61 SF C9.5 8293	.2E-04
06 0238 0351 0438 B8.3 4.8E-03 13 1920 1925 1928 523 W66 SE C1 8 8203	75-0/
06 0633 0643 0711 C1.0 2.1E-03 13 2201 2208 2233 531 U51 5E BO 8 8700	.7E-03
06 1026 1033 1043 N27 W50 SF C1_0 8283 9.1F-04	.,
	.9E-04
06 1156 1203 1213 S23 E29 SF C2.8 2.1E-03 14 0055 0101 0105 C1.5 06 1221 1225 1234 C2.6 1.8E-03 14 0410 0414 0417 N14 N14 SE RR 7 R200 7	.1E-04
04 4/33 4/39 4/77 633 534 65 14 5 15 15 15 15 15 15 15 15 15 15 15 15 1	
06 1422 1428 1433 S22 E26 SF C1.4 8293 7.4E-04 14 0458 0508 0520 N29 W19 SF C1.2 06 1442 1445 1447 B9.1 2.3E-04 14 0555 0603 0608 S23 W73 SF C1.9 8299	.4E-03
06 1442 1445 1447 B9.1 2.3E-04 14 0555 0603 0608 \$23 W73 \$F C1.9 8299 06 1556 1605 1605 1612 C2.8 1.9E-03 14 0819 0828 0832 \$23 W74 1N M3.1 8293 \$25 W74 1N M3.1 8293 \$25 W74 1N M3.1 8293 \$25 W74 N M3.1 829 \$25 W74 N M3.1 829 \$25 W74 N M3.1 \$25 W74 N M3.1 \$25 W74 N M3.1 \$25 W74 N M3.1 \$.1E-U3
- 00 1743 1734 2001 S20 t14 SE C1.4 8293 9.8E-04 - 14 2152 2156 2200 N15 U13 SE RO S 8200 S	OE-04
06 2040 2045 2052 B9.2 6.0E-04	•) [04
06 2231 2238 2257 S23 E22 SF C1.3 8293 1.7E-03 15 0026 0038 0045 C3.3	.5E-03
07 0318 0321 0323 89.3 2 3F-06 15 0326 0326 0327 04.0	.8E-04
07 0318 0321 0323 89.3 2.3E-04 15 0236 0244 0257 C1.0 07 0701 0722 0735 C4.8 8295 6.5E-03 15 0621 0633 0638 \$26 U83 \$5 6.7 4 9202 7	.1E-03
07 1221 1225 1227 C11 17 1003 0030 524 W83 SF C7.6 8293 2	
07 1/17 1/31 1/51 N19 FF3 of c3 0 900/ F 48 of 1	.1E-03
07 1616 1622 1626 c21 E11 cE c1 2 c207 7 4c c/ 4c c7	
07 1843 1847 1850 C1.2 4.6E-04	.1E-04
07 2227 2235 2241	.4E-03
07 2334 2343 2353 021 ED7 CE E1 0 0207 1 7F 07 44 44F4 4F00 4F0F	.3E-04
16 1737 1821 1859 M3.1	.0E-01
08 0026 0030 0032	
08 0312 0317 0320 47.0 7.00.07.1 17 0030 0717 0921 01.3	.5E-03
08 0813 0822 0827 114 574 55 52 4 2200 4 75 57	.7E-03
08 12/0 12/8 1252	.8E-03
08 1448 1458 1504 N14 E71 SF C4.0 8299 2.5E-03 17 2110 2120 2130 X1 2	.1E-03
08 1832 1850 1908	-0E-03
08 2322 2338 2354 N15 E64 1F C5.1 5.6E-03	
09 0506 0517 0527 C2.2 2.3F-03 18 0416 0427 M1.5 8299 1	4E-02
10 0010 0020 0031 N32 W68 SF C1.2 8297 1	.0E-03
	7E-01
09 1333 1339 1348 C1.0 8.8E-04 18 2210 2219 2228 N33 E87 1B X4.9 8307 3	DE. Of

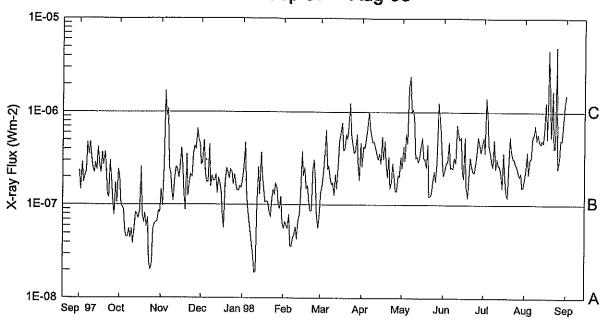
GOES SOLAR X-RAY FLARES **Preliminary Listing**

August 1998

Day	Start (UT)	Max (UT)		NOAA/ Imp USAF Lat CMD Opt Xray Region Flux	
19 19 19 19 19	0923 1014 1222 1404 2033 2135	0928 1029 1242 1426 2039 2145	1040 1251 1444 2055	N17 W71 SF C5.8 8299 6.0E-03 N35 E78 SF M2.3 8307 1.8E-02 N35 E80 SF M3.0 8307 4.8E-02 C3.2 3.1E-03	
20 20 20 20 20 20	1401	0038 1232 1404 1532 2118	1406 1535	S34 E36 1N C1.8 2.1E-03 C1.0 2.6E-04 C1.7 4.8E-04	
21 21 21 21 21 21	0147 0617 0853 1614 2103 2357	0154 0625 0903 1620 2114 0009	0203 0635 0915 1629 2139 0016	C4.5 4.4E-03 N32 E51 SF C1.0 8307 8.4E-04 C5.1 7.5E-03	
22 22 22 22 22 22 22	0844 1304 1503 1645 1924 2030	0848 1307 1506 1708 1932 2033	1310 1509 1730	N30 E45 SF C1.4 8307 3.7E-04 N30 E44 SF C1.9 8307 4.7E-04 N28 E36 1F C1.9 8307 4.1E-03 N30 E34 SF C2.2 8307 1.4E-03	
23 23 23 23 23 23	0229 0605 0626 0923 1114	0241 0612 0637 0934 1125	0249 0620 0650 0947 1138	N33 E33 SF C2.8 1.7E-03 C5.5 6.1E-03 N32 E33 1N M2.2 8307 1.7E-02	
24 24 24 24	1047 1347 1521 2150	1051 1452 1525 2212	1054 1515 1527 2235	B7.0 2.9E-03 N33 E18 SF C1.1 8307 3.1E-04 N35 E09 3B X1.0 8307 1.6E-01	
26 26	2104 2154	2110 2204	2117 2218		
27 27 27	1051 1953 2317	1129 1958 2324		C1.6 7.1E-04	

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD		Imp Xray	NOAA, USAF Regi	/ on Flux
28 28	1103 2211	1110 2216	1124 2220				C1.8 C1.6		1.7E-03 6.4E-04
29 29 29 29 29 29	0054 0454 0533 1215 1249 1341	0103 0459 0538 1219 1257 1345	0111 0507 0544 1223 1321 1351		W16		C1.2 B8.0 B9.5 C1.0		6.5E-04 3.5E-04 1.6E-03 5.7E-04
29 29	1529 1830	1535 1836	1539 1840	N30	W45	SF	C2.5 C5.3	8307	1.1E-03 2.3E-03
29	2149	2152	2155	N31	W49	SF	C1.1	8307	3.6E-04
30 30 30	0036 0151 0236	0041 0156 0240	0049 0202 0244	N19	W29	SF	C1.8 C1.3 C1.4	8319	1.2E-03 7.4E-04 6.0E-04
30 30 30	0333 0512 0615	0341 0541 0620	0352 0551 0633	N18 N21 N21	W28 W33 W33	1N	C4.3	8319	3.2E-03 1.2E-02 5.2E-03
30 30 30	0726 0929 1133	0730 0937 1141	0735 0943 1200	N21	W35	1N	C2.0 M1.0 C2.4	8319	9.7E-04 5.8E-03 3.3E-03
30 30 30	1251 1316 1326	1257 1320 1329	1300 1325 1332		W38	SF	C3.1 C2.5 C3.4	8307	1.5E-03 1.1E-03 9.9E-04
30 30	1446 1642	1451 1647	1454 1651	N21	W38	SF	C2.8	8319	1.2E-03 2.1E-03
30 30 30 30	1723 1800 1837 2017	1726 1805 1842 2031	1729 1809 1850 2037		E50 W60		C2.3 M1.3 C3.3 C3.6	8323 8319	7.1E-04 4.7E-03 2.3E-03 3.5E-03
30 30	2148 2252	2154 2256	2159 2301	N17 S22	W41 E47		c2.8 c3.6		1.5E-03 1.6E-03
31 31 31 31 31 31 31 31	0053 0213 0503 1529 1759 1952 2051 2315	0056 0220 0514 1539 1806 1956 2101 2318	0107 0222 0541 1547 1808 2000 2111 2324	S21 N29 N32		SF 1F SF	C3.8	8323 8323 8307	1.7E-03 1.1E-03 9.9E-03 1.0E-02 1.4E-03 1.8E-03 7.1E-03

Preliminary GOES Satellite Daily X-Ray Background Sep 97 - Aug 98



Day	Sep 97	Oct	Nov	Dec	Jan 98	Feb	Mar	Apr	May	Jun	Jul	Aug
1	B2.3	B2.0	B1.4	B2.7	B1.9	A5.6	B1.3	B2.6	B2.4	B2.0	B5.3	B1.9
2	B1.4	B1.0	A9.7	B2.8	B2.6	A6.6	B1.5	B4.3	B4.2	B2.4	B3.6	B2.4
3	B2.8	A9.4	B2.6	B4.9	B4.7	A6.1	B2.2	B4.1	B2.9	B2.8	C1.4	B3.7
4	B1.7	A8.9	C1.6	B2.2	B1.4	A5.5	B3.6	B5.2	B5.8	B2.8	B9.2	B2.1
5	B2.0	A5.3	B9.1	B1.7	A9.4	A7.9	B6.3	B6.6	B4.6	B4.7	B4.2	B3.1
	500											
6	B2.3	A4.5	C1.0	B1.7	A6.5	A3.6	B2.4	C1.0	C1.8	B2.4	B3.5	B3.1
7	B4.7	A4.6	B2.4	B4.4	A5.0	A3.5	B2.6	B6.6	C2.4	B2.5	B2.8	B5.4
8	B3.5	A5.5	B2.2	B1.5	A3.8	A4.5	B1.9	B5.6	B9.9	B2.4	B2.5	B5.8
9	B4.8	A4.4	B1.4	B2.0	A2.9	A4.7	B1.6	B4.7	C1.0	B3.2	B5.0	B7.2
10	B3.3	A5.5	B1.1	B1.8	A1.8	A5.7	B1.7	B4.8	B8.7	B2.8	B2.4	B4.9
11	B2.4	A3.9	B2.0	B1.8	A1.9	A4.3	B1.2	B4.1	B3.1	B7.2	Do 4	DC 0
12	B2.2	A5.8	B2.5	B2.1	B1.1	A6.6	B2.1	B3.5	B3.3		B3.1	B5.8
13	B2.8	A8.2	B2.4	B1.3	B2.5	A7.9	B1.4	B3.1	B2.8	B6.0	B2.6	B4.8
14	B2.4	A7.9	B1.9	B1.9	B1.3	B1.4	B2.5	B3.6		B5.0	B2.6	B4.5
15	B4.1	A7.1	B2.3	B1.6	B3.6	B3.7	B4.8	B2.8	B3.2 B4.4	B5.3	B2.2	B4.9
			02.0	51.0	00.0	D3.7	04.0	DZ.0	D4.4	B2.3	B1.5	B4.6
16	B2.6	A8.6	B4.1	B1.3	B2.0	B2.0	B6.1	B5.4	B5.3	B1.9	B3.6	B6.5
17	B2.2	B2.5	B2.6	A7.5	B1.5	B2.5	B7.6	B3.1	B3.1	B5.3	B2.0	C1.2
18	B3.6	A8.0	B1.3	A5.7	B1.0	B1.4	B3.8	B4.9	B3.0	B1.5	B1.2	B5.1
19	B2.7	A6.5	A8.9	B1.7	B1.0	B1.6	B4.0	B3.0	B2.5	B1.2	B1.2	C4.5
20	B3.7	A8.1	B3.5	B2.4	B1.0	B1.1	B5.7	B2.0	B4.4	B1.9	B2.5	C1.6
21	DO 2	A.F.O	D4 0	DO 0								
21	B2.3	A5.8	B1.2	B2.2	A8.6	A8.6	B5.1	B3.3	B1.2	B3.2	B5.4	B5.3
22 23	B1.2 B1.2	A7.2	B1.7	B1.9	A7.4	A8.6	B7.5	B1.5	B1.2	B2.6	B3.8	C1.6
23 24		A2.4	B2.1	B2.4	B1.1	B2.4	C1.2	B1.8	B1.3	B2.2	B3.1	B4.0
25	B2.9 B1.7	A2.0	B2.0	B2.2	B1.4	B3.0	B5.6	B2.8	B1.8	B2.2	B3.1	B4.1
20	D1./	A2.3	B3.6	B1.6	B1.2	B1.8	B4.3	B2.0	B2.2	B2.7	B2.7	B4.9
26	B1.0	A5.5	B4.3	B2.1	B1.7	A8.0	B3.6	B1.4	B1.7	B3.8	B2.6	B2.4
27	A7.8	A6.3	B3.9	B1.6	B1.5	A5.6	B3.8	B1.4	B2.7	B5.3	B2.0 B2.2	B2.4 B3.0
28	B1.7	A6.5	B6.6	B1.4	A9.9	A7.5	B5.6	B2.1	C1.2	B3.3 B4.4	B2.2 B2.0	вз.0 В5.0
29	B1.0	A6.7	B5.0	B1.4	A9.1	, ,, ,	B2.5	B2.1	B8.8	B3.7	B2.0 B2.2	B5.0 B4.8
30	B2.4	A8.6	B4.6	B1.6	B1.2		B1.8	B3.3	B5.9	B3.7 B4.4	B2.2 B1.5	
31		A8.2		B1.5	A6.6		B1.6	0.00	B2.7	D4.4		B7.3
		- 10/184		<u> </u>	7.0.0		U+.U		DZ.1		B1.5	C1.2

ACTIVE PROMINENCES AND FILAMENTS

AUGUST

1998

Day	Event Type	Start (UT)		Lat	CMD		IP Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	0bs Type	Sta	NOAA/ USAF Reg#	Remarks
02 02 02	DSF DSF DSF	2238U	0504U 1045U 1526U	s57	W44 W06 E05		30.2 2.4 3.3	2	14 12 11	0 0 0	0 0 0	E E E	SVTO RAMY HOLL		
03 03 03 03 03	DSD BSD BSL DSF DSF		1143	S19 S20 N33	E62 E72 E90 W19 E21	80 80	8.2 8.9 10.3 2.4 5.5	1 1 1 2 2	03 03 04 05 11	9 9 9 0	9 9 0 0	V V E E	KHAR KHAR KHAR RAMY RAMY	8283	
04 04 04	DSD ADF DSF		1000 1015D 1253U	N27	E54 W65 E45	07	8.5 30.5 8.5	1	01 03 16	6 0	9 9 0	V V E	KHAR KHAR RAMY		
06 06 06	SPY BSL DSF	1605E 1612E 1830U		N13	E90 E90 W44	80	13.5 13.5 3.4	2	07	9 9 0	9 9 0	E E E	RAMY SVTO RAMY	8292	
07 07	DSF DSF		0545U 1049U	N18 N21		80 80	7.8 7.8		32 25	0 0	0	E E	SVTO RAMY		
80 80	DSF DSF		1240U 1240U	N14 N23			7.3 8.9		21 28	0	0 0	E E	HOLL		
10 10 10 10	DSF DSF DSF DSF	1621U 1621U	2351U 0508U 0508U 1442U	S19 S19	E24 E20 E20 W18	80 80	12.2 12.2 12.2 9.4		10 15 16 14	0 0 0	0 0 0 0	E E E	LEAR SVTO SVTO RAMY		
11 11	DSF EPL	1604U 1953	0519U 2130	N16 S44	W65 E90		6.7 19.3	3	10	0 0	0 0	E E	SVTO HOLL		
13 13 13	DSD DSD DSD	0918U 0923U 1125		N19	W58 E07 W53		9.0 13.9 9.5	1 1 1	03 06 04	9 9 9	9	V V V	KHAR KHAR KHAR		
14 14 14 14	BSL BSL DSF DSF	16210	0853 09100 0455U 1134U	S23 S37	W90 W90 E04 W04	80 80	7.5 7.5 15.0 14.6	1	02 02 18 35	4 9 0 0	9 9 0 0	V V E E	KHAR KHAR SVTO RAMY		
15 15 15 15	BSL BSL DSD BSL	0900E 0900E 0937E 0943	0915	S26 N12	W90 W90 W20 W90	80 80	8.6 8.6 13.9 8.6	1 1 1	02 02 03 06	6 6 9 9	9 9 9	V V V	KHAR KHAR KHAR KHAR		
17 17 17 17 17	DSF DSF DSF LPS LPS	0936U		S30 S51 N32	W38 E22 E16 E90 E90	80 80 80	14.2 19.1 19.1 25.0 25.0	1	15 09 10	0 0 0 9 9	0 0 0 9 6	E E E E	LEAR LEAR RAMY HOLL LEAR		
18 18 18 18 18	LPS LPS DSF LPS LPS	0539E		N35 S30 N29	E90 E90 W56 E90 E90	08 08 08	25.4 25.4 14.0 26.0 26.0	2	15	9 9 0 9	9 9 0 9	E E E	SVTO LEAR HOLL	8307	Flare Associated Flare Associated
19 19 19 19	DSF DSF DSF DSF	0037U 1512U	1326U 1326U 0508U 1112U	N39 N14	W02 E53 W52 W45	80 80	18.9 23.3 15.7 16.2		12 08 06 08	0 0 0	0 0 0 0	E E E	HOLL HOLL SVTO RAMY		
20 20 20 20	ADF BSL EPL BSL	1054	1616D	N18 S16	E21 W90 E90 E90	80 80	22.0 13.6 27.5 27.5	1 1 3	04 03	9 9 6	9 9 7	V V E E	KHAR KHAR RAMY SVTO		
21 21	APR BSL	1055 1055	1103 1105		W90 W90		14.6 14.6	1	05 08	9 6	9	V V	KHAR KHAR		

ACTIVE PROMINENCES AND FILAMENTS

								AU	GUST	1	998				
Day		Start (UT)	End (UT)	Lat	: CMD		MP Day	qmI	Extent	Blue Shift (.1 A)		0bs Type	Sta	NOAA/ USAF Reg#	Remarks
21	BSL	11000	1115D	N18	W90	80	14.6	1	03	9	9	٧	KHAR		
22	DSD	1110	1125D	N34	W47	80	18.9	1	04	9	9	v	KHAR		
23	DSF	1843U	12250	s 26	W26	80	21.7		10	0	0	E	RAMY	8304	
24	LPS	2220	2242	N30	E07	80	25.5	1		9	9	E	HOLL	8307	Flare Associated
26 26	DSF DSF		0618U 1152U		E40 E40		29.8 30.0		11 13	0 0	0 0	E E	SVTO RAMY		
28 28	EPL DSF	0607 1610U	0740 0510บ		W90 W38		21.5 25.8	3	12	9	9 0	E E	LEAR SVTO	8232	
29 29	DSF DSF		2305U 0748U		W31 E21		27.0 31.2		07 39	0 0	0	E E	LEAR SVTO	8313	
30 30	DSF DSF		2321U 1146U		W14 W18		29.3 29.3	2	10 09	0 0	0	E E	LEAR RAMY		
31 31 31		0518E 0527E 1848U		N35 N37 S35	W80	08	24.9 24.8 4.9	1	06	9 9 0	9 9 0	E E	SVTO LEAR RAMY		Flare Associated
AFS = Arch Filement System						ight Surge on Limb P Prominence (Tandberg-Hanssen) Pronal Rain Pk Surge on Disk Bappearing Solar Filament					EPL = Eruptive Prominence on Limb LPS = Loops MDP = Mound Prominence SDF/DSF = Sudden Disappearing Filamer 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.

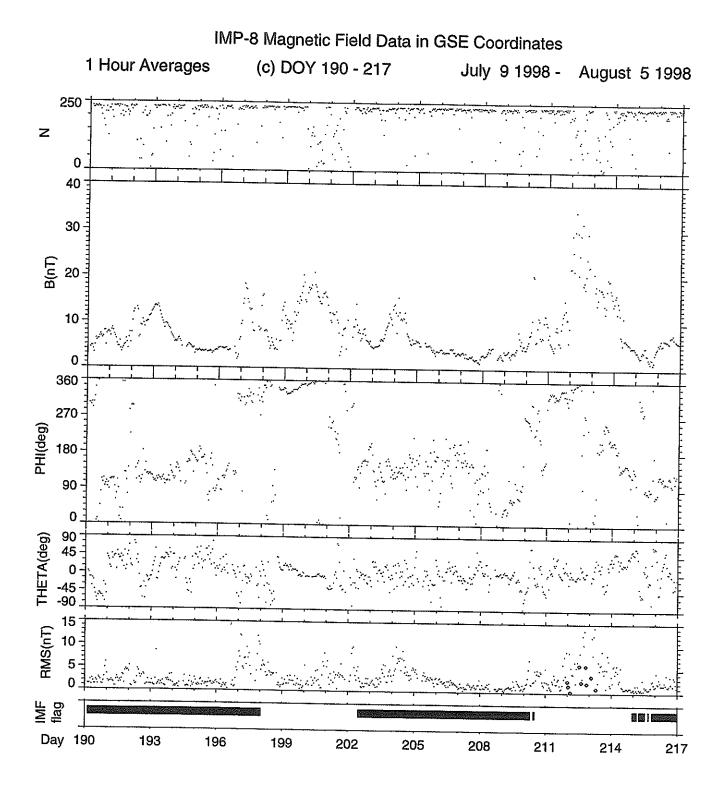
The remark "Bright Emission 1/3" indicates that bright emission was observed 1/3 of time. The remark "Normal Emission 1/3" indicates that normal emission was observed 1/3 of time.

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
	11122 1 4 1 2 1 1 4 1	
		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.

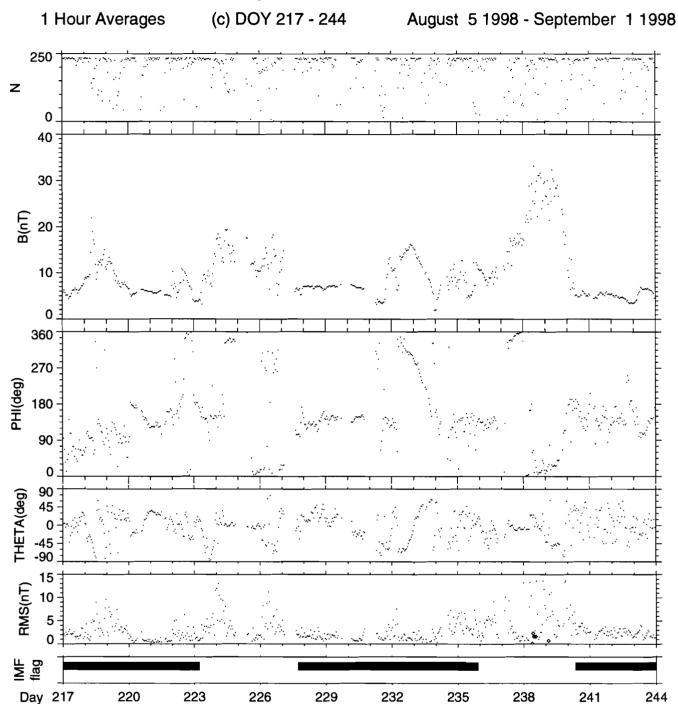
IMP 8 SOLAR WIND PLASMA AUGUST 1998



Generation Date: Mon Nov 9 16:06:14 1998

NOTE: The IMF "flag" (black boxes at the bottom of the plots) indicates where the interplanetary magnetic field regions are according to a dynamic model of the location of the bow shock. At all other times IMP-8 is in the magnetosphere.

IMP-8 Magnetic Field Data in GSE Coordinates



Generation Date: Mon Nov 9 16:06:15 1998

NOTE: The IMF "flag" (black boxes at the bottom of the plots) indicates where the interplanetary magnetic field regions are according to a dynamic model of the location of the bow shock. At all other times IMP-8 is in the magnetosphere.

\$U.S. GOVERNMENT PRINTING OFFICE:1999-773-002/29022



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SOLAR-TERRESTRIAL PHYSICS

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

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