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Part II (Comprehensive Reports)

DATA FOR
FEBRUARY 1986

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

NUMBER 504

(Issued in Two Parts)

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CARTE SYNOPTIQUE
ACTIVE REGIONS
CARRINGTON ROTATION 1772

(10 FEBRUARY to 9 MARCH 1986)

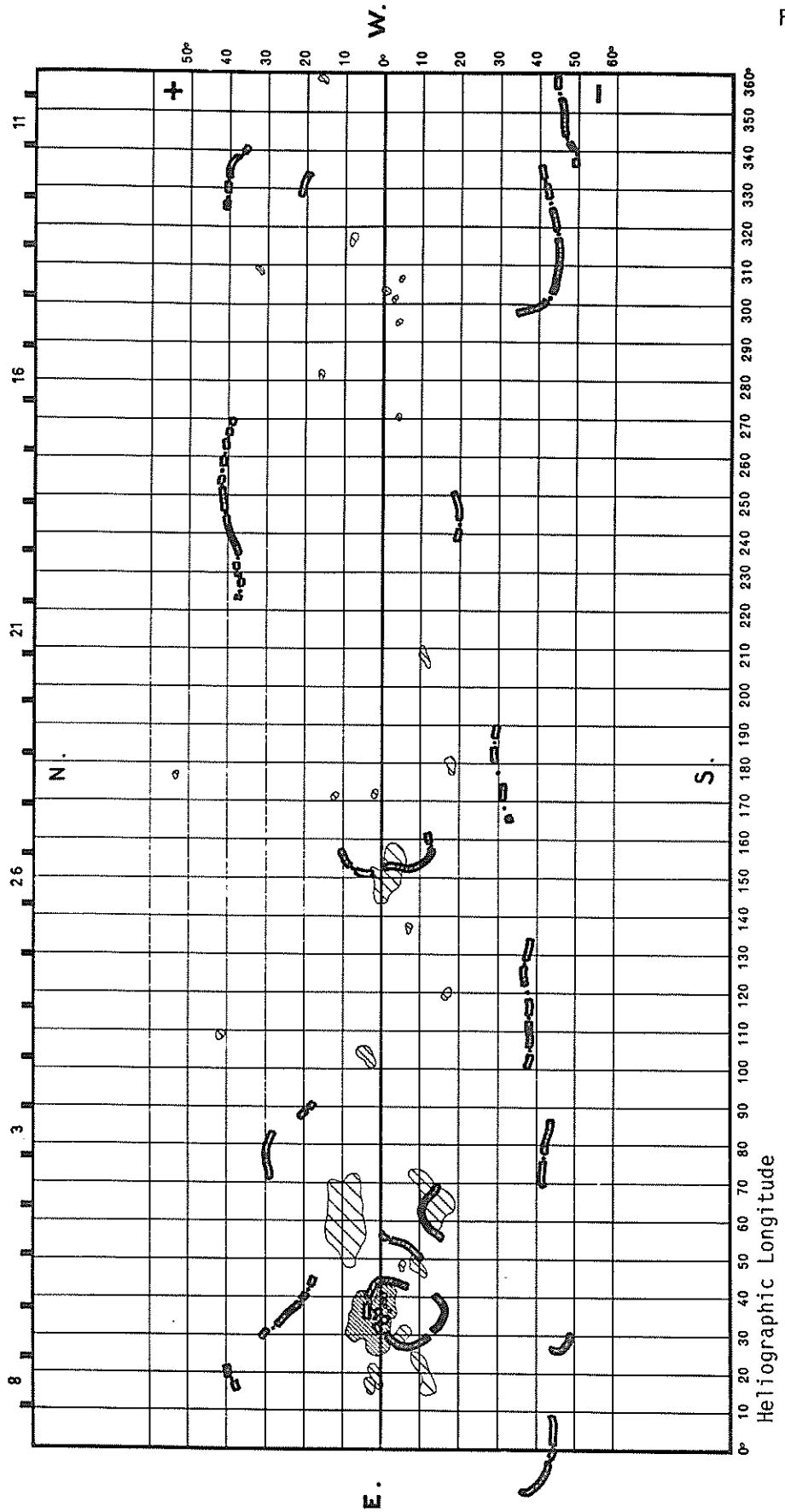
Region No.	Coordinates		Imp	Age at	Spotless Region	Region No. in Rotation 1771	Activity at West Limb
	Lat.	Long.		CMP (Days)			
1	11°S	208	1	+1	x		disappeared
2	2°S	152	1	>6	x		dispersed
3	4°N	104	1	0	x		disappeared
4	14°S	66	1	>6	x		dispersed
5	10°S	49	1	0	x		disappeared
6	6°S	48	1	0	x		disappeared
7	1°S	39	3	>6			decreasing
8	3°N	34	3	>6			decreasing
9	5°S	30	1	>6	x		dispersed
10	1°N	20	1	>6	x		disappeared
11	3°N	17	1	-3	x		dispersed

CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1772
(10 February to 9 March 1986)

Meudon Observatory

February 1986



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Feb 86

H - ALPHA SOLAR FLARES

FEBRUARY 1986

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			01 0000		0038			No Flare Patrol											
0001	PALE	01	0022	0025	0038	S09	E62	4711	02	5.7	16	1F	3	C		229		F	
			01 0712		0721			No Flare Patrol											
			01 0748		0749			No Flare Patrol											
			01 0836		0849			No Flare Patrol											
0002		01	1000	1010	1028	S07	E55	4711	02	5.5	28	SN				45	.8	D	
	CATA	01	1000	1010	1015D	S06	E57	4711	02	5.7	15D	SN	2	P	1010	45	.8	D	
	KHAR	01	1006E		1030D	S08	E53	4711	02	5.4	24D	SF		V	1014			D	
	ISTA	01	1010E		1028	S07	E56	4711	02	5.6	18D	SB						D	
0003		01	1953*	2012	2026	S11	E53	4711	02	5.8	33	SB				32			
	RAMY	01	1953	2012	2035D	S11	E53	4711	02	5.8	42D	SB	3	C		39			
	PALE	01	2004	2012	2026	S11	E53	4711	02	5.8	22	SN	3	C		24			
			01 2300		2333			No Flare Patrol											
			01 2338		2342			No Flare Patrol											
0004	PEKG	02	0014	0020	0032	S07	E47	4711	02	5.5	18	SN		P	0020	42	.7	D	
0005	PALE	02	0314	0314	0317	S09	E48	4711	02	5.7	3	SF	3	C		46		E	
0006	PURP	02	0349	0351	0359	S09	E53	4711	02	6.1	10	SN		C	0351	32	.6	D	
0007	PEKG	02	0623	0630	0755	S08	E48	4711	02	5.9	92	1N		C	0630	210	2.9	E	
0008	CATA	02	0820	0820	0820D	S06	E46	4711	02	5.8	92D	SB	2	P	0820	56	.8		
0009	CATA	02	1120	1120	1130	S06	E44	4711	02	5.8	10	SB	2	C	1120	112	1.6		
			02 1206		1214			No Flare Patrol											
			02 1246		1435			No Flare Patrol											
			02 1451		1559			No Flare Patrol											
			02 1624		1726			No Flare Patrol											
0010	PALE	02	1946	1946	2101	S10	E49	4711	02	6.5	75	SF C	3.0	3	C		20		F
			02 1955		2037			No Flare Patrol											
			02 2135		2144			No Flare Patrol											
			02 2151		2156			No Flare Patrol											
0011	PEKG	03	0413	0434	0507	S04	W49	4712	01	30.6	54	SN		C	0434	84	1.3	D	
0012		03	0430	04313	0437	N00	E86	4713	02	9.6	7	1B				32	2.9	D	
	LEAR	03	0430	0431	0437	N02	E86	4713	02	9.6	7	SN	3	C		23			
	PEKG	03	0430	0434	0437	S01	E85	4713	02	9.5	7	1B		C	0434	42	2.9	D	
0013	LEAR	03	0828	0844	0850	S05	E36	4711	02	6.0	22	SF	3	C		59		F	
			03 1300		1339			No Flare Patrol											
0014	RAMY	03	1400	1404	1409	S06	E31	4711	02	5.9	9	SN		C		43			
			03 1535		1604			No Flare Patrol											
0015		03	1804	18041	1832	S08	E29	4711	02	5.9	28	SF C	1.0			38		EF	
	PALE	03	1804	1804	1811	S06	E29	4711	02	5.9	7	SF C	1.0	3	C	26		E	
	RAMY	03	1804	1804	1848	S09	E31	4711	02	6.1	44	SN C	1.0	3	C	36			
	HOLL	03	1804	1805	1836	S09	E28	4711	02	5.8	32	SF C	1.0	3	C	51		F	
0016	HOLL	03	1844	1844	1856	S03	W55	4712	01	30.8	12	SF		C		30			
0017		03	2037*	2040*	2252	S09	E27	4711	02	5.9	135	1B M	2.3			439		FKSU	
	HOLL	03	2037	2040	2240	S09	E26	4711	02	5.8	123	1B M	2.3	3	C	365		UFK	
	HOLL	03	2037	2117	2240	S09	E26	4711	02	5.8	123	2B		C		606		K	
	PALE	03	2039	2040	2304	S09	E26	4711	02	5.8	145	1B M	2.3	3	C	278		FSK	
	PALE	03	2039	2127	2304	S09	E26	4711	02	5.8	145	1N		C		461		K	
	RAMY	03	2111	2116	2139D	S11	E31	4711	02	6.2	28D	1B		C		487			

H - ALPHA SOLAR FLARES

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Feb 86

FEBRUARY 1986

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	(10 ⁻⁶ Disk)	Corr (Sq Deg)		
0018	LEAR	04	0303	0304	0318	S04	E24	4711	02	5.9	15	SF		3	C		43		F	
0019		04	05179	0518*	0534	S06	E23	4711	02	5.9	17	SN					57	.8	DF	
	PURP	04	0517	0518	0520	S09	E24	4711	02	6.0	3	SN			C	0518	86	1.0	D	
	PURP	04	0520	0529U	0545	S07	E22	4711	02	5.9	25	SN			C	0529	56	.6	D	
	LEAR	04	0526	0528	0536	S03	E23	4711	02	5.9	10	SF		3	C		28		F	
0020	LEAR	04	0649	0650	0713	S07	E22	4711	02	5.9	24	SF	C 1.9	3	C		35		F	
0021		04	0732*	0740*	0828	S04	E21	4711	02	5.9	56	3B	X 3.0				2036	27.9	BEFH I	
	PEKG	04	0732	0747	0835	S07	E22	4711	02	6.0	63	4B	X 3.0		C	0747	2484	27.9	I	
	LEAR	04	0735	0740	0837	S03	E21	4711	02	5.9	62	3B	X 3.0	3	C		1589		FH	
	HURB	04	0756	0756	0813	S03	E21	4711	02	5.9	17	2N							BE	
0022		04	10251	10282	1106	S03	E66	4713	02	9.4	41	2N	M 6.4				248	6.1	BCDEJ	
	LVOV	04	1024E	1030U	1051D	S04	E68	4713	02	9.5	27D	2N			C	1030	250	6.5	EJ	
	WEND	04	1025	1029	1128	S05	E64	4713	02	9.2	63	1B	M 6.4		C	1029	206	4.9		
	HURB	04	1026	1028	1044	S04	E65	4713	02	9.3	18	3B							CD	
	ATHN	04	1027E	1030	1049D	S02	E68	4713	02	9.5	22D	SB		1	V	1030	95			
	TACH	04	1142E		1201D	S02	E67	4713	02	9.5	19D	2F			C	1142	442	6.8	BE	
		04	1541		1545	No Flare Patrol														
		04	1600		1732	No Flare Patrol														
		04	1744		1751	No Flare Patrol														
		04	1814		2027	No Flare Patrol														
		04	2036		2042	No Flare Patrol														
		04	2052		2240	No Flare Patrol														
0023		05	00474	0052*	0119	S06	E11	4711	02	5.8	32	SF	C 3.9				147	2.4	EFS	
	VORO	05	0047	0052	0101D	S08	E11	4711	02	5.8	14D	1F			C	0052	269	2.8	E	
	MITK	05	0047	0052	0126	S06	E11	4711	02	5.8	39	SN			C	0052			E	
	PALE	05	0051	0052	0113	S06	E11	4711	02	5.8	22	SF	C 3.9	3	C		32		FS	
	LEAR	05	0100E	0107	0119	S04	E12	4711	02	5.9	19D	SF	C 3.9	3	C		87		FS	
	PURP	05	0118E	0127	0141D	S07	E13	4711	02	6.0	23D	1N			C	0127	200	2.1	E	
0024		05	0607	06092	0623	N00	E58	4713	02	9.6	16	1N					100	3.3	E	
	ABST	05	0602E	0609	0646D	S01	E57	4713	02	9.5	44D	1N			P	0609	174	3.3	E	
	LEAR	05	0607	0611	0623	N01	E58	4713	02	9.6	16	SF		3	C		26			
0025	ABST	05	0622E	0623	0628	S09	E10	4711	02	6.0	6D	SN			P	0623	87	.9	DI	
0026	LEAR	05	0726	0728	0746	N02	E53	4713	02	9.3	20	SF		3	C		24		F	
0027	HURB	05	0934	0944	0952	S03	E53	4713	02	9.3	18	1N							D	
0028		05	0939*	0942*	0954	S05	E06	4711	02	5.8	15	SN	C 1.9				112	2.3	EFH	
	LEAR	05	0939	0942	0954	S04	E06	4711	02	5.8	15	SF	C 1.9	3	C		47		F	
	CATA	05	0940	0945	1010D	S07	E05	4711	02	5.8	30D	1N		2	P	0945	225	2.3		
	KHAR	05	0941E		1008D	S07	E06	4711	02	5.8	27D	SN			P	0941			EH	
	LEAR	05	0958	1003	1004D	S03	E05	4711	02	5.8	6D	SF		3	C		64		F	
0029	LVOV	05	1234E	1247U	1335D	S06	E04	4711	02	5.8	61D	2N			C	1255	550	5.7	HJKUW	
0030	PALE	05	1929	1929	1932	S10	E04	4711	02	6.1	3	SF		3	C		25		F	
0031	HOLL	05	2143E	2143U	2215	S08	W03	4711	02	5.7	32D	SF		3	C		101		F	
0032	PALE	05	2254	2254	2259	S01	E48	4713	02	9.5	5	SF		3	C		32		F	
0033		05	23162	23191	2325	S04	W03	4711	02	5.7	9	SF					48			
	PALE	05	2316	2320	2328	S06	W03	4711	02	5.7	12	SF		3	C		61			
	LEAR	05	2318	2319	2322	S03	W03	4711	02	5.7	4	SF		3	C		35			
0034		05	23312	2334	2347	S06	W06	4711	02	5.5	16	SF					128	3.2	BEF	
	PALE	05	2331	2334	2339	S07	W06	4711	02	5.5	8	SF		3	C		48		F	
	LEAR	05	2333	2334	2342	S03	W05	4711	02	5.6	9	SF		3	C		23		F	
	MITK	05	2341E		2359	S07	W07	4711	02	5.5	18D	SN			C	2344			E	
	VORO	05	2343E	2349U	2359D	S07	W06	4711	02	5.5	16D	1F			C	2349	314	3.2	EB	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0035	LEAR	06	0058	0058	0103	N00	E42	4713	02	9.2	5	SF	3	C		23			
0036	VORO	06	0112	0115	0117	S08	W02	4711	02	5.9	5	1F		C	0115	314	3.2	ET	
0037		06	01172	01174	0132	S02	E40	4713	02	9.0	15	SN				87	1.6	DF	
	LEAR	06	0117	0117	0134	N00	E41	4713	02	9.1	17	SF	3	C		65		F	
	PALE	06	0117	0118	0130	S02	E41	4713	02	9.1	13	SF	2	C		42		F	
	VORO	06	0117	0119	0123D	S03	E38	4713	02	8.9	6D	SF		C	0119	152	2.0	D	
	PURP	06	0119	0121	0132	S03	E41	4713	02	9.1	13	SB		C	0121	90	1.2		
0038		.06	02114	02182	0248	S06	W05	4711	02	5.7	37	SN C	1.8			229	2.6	EFIT	
	VORO	06	0211	0214U	0244	S07	W05	4711	02	5.7	33	1F		C	0227	475	4.8	ET	
	PURP	06	0211	0220	0243	S07	W04	4711	02	5.8	32	SN		C	0220	148	1.5		
	LEAR	06	0212	0220	0246	S04	W04	4711	02	5.8	34	SN C	1.8	3	C	105		F	
	PEKG	06	0215	0218	0300	S06	W05	4711	02	5.7	45	SN C	1.8	C	0218	168	1.7	I	
	MITK	06	0225E		0229D	S05	W06	4711	02	5.6	4D	1N		P	0227	250	2.6	E	
0039		06	0335*	0340*	0419	S07	W06	4711	02	5.7	44	SN C	1.9			104	1.9	EF	
	PALE	06	0335	0340	0355	S08	W06	4711	02	5.7	20	SF C	1.9	2	C	25		F	
	MITK	06	0354	0402	0422	S05	W08	4711	02	5.6	28	SN		C	0402			E	
	PURP	06	0356	0409	0439	S07	W05	4711	02	5.8	43	SN		C	0409	184	1.9		
0040	LEAR	06	0531	0533	0541	S07	W02	4711	02	6.1	10	SN C	1.7	3	C		110		FU
0041		06	0618	0622*	0714	S07	W02	4711	02	6.1	56	2B X	1.7			1137	11.8	HIJUW	
	PURP	06	0618	0622	0653	S09	W08	4711	02	5.7	35	3B		C	0622	1294	13.5	W	
	PEKG	06	0618	0628	0736	S07	W06	4711	02	5.8	78	3B X	1.7	C	0628	2061	21.3	HIJU	
	CATA	06	0730E	0730	0730D	S05	E08	4711	02	6.9	78D	SB		2	P	0730	56	.6	
0042	LEAR	06	0814	0815	0828	S06	W01	4711	02	6.3	14	SF	3	C		92		F	
		06	1212		1319	No Flare Patrol													
0043		06	13578	1414*	1524	S10	W12	4711	02	5.7	87	SN				67	.6	EFK	
	RAMY	06	1357	1501	1548	S10	W12	4711	02	5.7	111	SN	3	C		37		K	
	RAMY	06	1357	1528	1548	S10	W12	4711	02	5.7	111	SB	3	C		103		F K	
	HTPR	06	1405	1414	1436	S10	W12	4711	02	5.7	31	SN		C	1414	60	.6	E	
0044		06	14256	14343	1440	S03	W90	4712	01	31.0	15	SN				40			
	HTPR	06	1425	1437	1445	S02	W90	4712	01	31.0	20	SN		C	1437	40			
	RAMY	06	1431	1434	1436	S04	W90	4712	01	31.0	5	SF	3	C					
0045		06	18332	1836	1841	S02	E33	4713	02	9.2	8	SF				28			
	PALE	06	1833	1836	1841	S03	E35	4713	02	9.4	8	SF	3	C		27			
	RAMY	06	1835	1836	1841	S01	E31	4713	02	9.1	6	SF	3	C		29			
0046		06	1919	19201	1934	S12	W12	4711	02	5.9	15	SN C	1.6			102		F	
	PALE	06	1919	1921	1934	S11	W11	4711	02	6.0	15	SF C	1.6	3	C	60		F	
	RAMY	06	1920E	1920	1942D	S13	W13	4711	02	5.8	22D	SN C	1.6	3	C	145			
0047	HOLL	06	2016E	2016U	2028	S06	W15	4711	02	5.7	12D	SF		2	C		39		
0048	PALE	06	2126	2129	2136	S11	W10	4711	02	6.1	10	SF C	1.2	3	C		50		F
0049	LEAR	07	0133	0137	0151	S09	W16	4711	02	5.9	18	SF		3	C		107		F
0050		07	0326	03311	0344	S10	W16	4711	02	5.9	18	SN C	2.2			127		F	
	LEAR	07	0326	0331	0342	S08	W15	4711	02	6.0	16	SN C	2.2	3	C	140		F	
	PALE	07	0326	0332	0345	S11	W17	4711	02	5.9	19	SN C	2.2	3	C	114			
0051	LEAR	07	0523	0525	0533	S09	W18	4711	02	5.9	10	SN		3	C		87		F
0052	ABST	07	0651	0654	0659	S12	W22	4711	02	5.6	8	SN		C	0654	87	1.0	DI	
0053	ABST	07	0727	0735	0802	N01	E25	4713	02	9.2	35	1F		C	0735	192	2.2	FI	
0054		07	0728*	0731*	0809	S10	W18	4711	02	5.9	41	SN				92	1.1	FIK	
	ABST	07	0728	0817	0858D	S11	W19	4711	02	5.9	90D	1N		P	0817	201	2.2	FIK	
	LEAR	07	0729	0731	0758	S08	W18	4711	02	6.0	29	SF	3	C		95		F K	
	LEAR	07	0729	0751	0758	S08	W18	4711	02	6.0	29	SF	3	C		55		K	
	CATA	07	0820	0820	0830D	S10	W15	4711	02	6.2	10D	SB	2	P	0820	84	.9		
	CATA	07	0820	0820	0830D	S12	W21	4711	02	5.8	10D	SB	2	P	0820	84	.9		
	ATHN	07	0820	0825	0831	S08	W18	4711	02	6.0	11	SF	3	V	0825	32	.4		

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																		Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0055		07	10114	1024*	1242	S11	W21	4711	02	5.8	151	2B	M	5.2					1139	13.1	EFHIOUV	
	CATA	07	0935E	1025	1035D	S12	W22	4711	02	5.7	60D	3B			2	P	1025	1405	15.7			
	KHAR	07	0953E	1024U	1130D	S10	W24	4711	02	5.6	97D	3N				P	1017	1264	13.9	EHOV		
	ATHN	07	1011	1029	1125	S10	W20	4711	02	5.9	74	2B			2	V	1029	796	8.9			
	LEAR	07	1014	1024	1035D	S09	W20	4711	02	5.9	21D	2B	M	5.2	2	C		859		F		
	HTPR	07	1015	1030	1215	S10	W20	4711	02	5.9	120	3B				C	1030	1500	16.0	EIU		
	CATA	07	1105E	1105	1105D	S13	W22	4711	02	5.8	120D	2B			2	P	1105	1012	11.3			
	RAMY	07	1208E		1426	S11	W21	4711	02	5.9	138D	1N			3	C				F		
0056	PALE	07	2124	2127	2130	S01	E16	4713	02	9.1	6	SF							36			
0057	HOLL	07	2256	2259	2308	N00	E09	4713	02	8.6	12	SF							32			
0058		07	23263	23283	2338	S08	W27	4711	02	5.9	12	SN	C	1.1					72		F	
	HOLL	07	2326	2328	2338	S08	W27	4711	02	5.9	12	SN	C	1.1	3	C			74		F	
	PALE	07	2329	2331	2337	S08	W27	4711	02	5.9	8	SF	C	1.1	3	C			69			
0059	PALE	08	0241	0241	0245	S08	W29	4711	02	5.9	4	SF							27			
0060		08	04152	04214	0445	S05	W34	4711	02	5.6	30	SN							87	1.4	DF	
	PURP	08	0415	0421	0437	S07	W35	4711	02	5.5	22	SN				C	0421	94	1.2			
	PEKG	08	0415	0425	0500	S05	W35	4711	02	5.5	45	SN				C	0425	126	1.6	D		
	LEAR	08	0417	0421	0437	S04	W33	4711	02	5.7	20	SF			3	C		41		F		
0061	LEAR	08	0557	0559	0611	S04	W36	4711	02	5.5	14	SF							28			
0062		08	06092	0616*	0645	S01	E12	4713	02	9.1	36	1F	C	1.7					222	2.8	EFK	
	LEAR	08	0609	0618	0652	S00	E12	4713	02	9.1	43	1F			3	C			284		K	
	LEAR	08	0609	0629	0652	S00	E12	4713	02	9.1	43	SF	C	1.7	3	C			76		F	
	MITK	08	0611	0616	0627	S03	E12	4713	02	9.1	16	SN				C	0616				K	
	ATHN	08	0616E	0616	0645	S01	E12	4713	02	9.1	29D	1F			1	V	0616	271	2.9	E		
	PURP	08	0620E	0627	0651	S02	E12	4713	02	9.2	31D	1N				C	0627	255	2.7	E		
0063	HTPR	08	1014	1017	1023	S04	E10	4713	02	9.2	9	SF							30	.3	E	
0064	HTPR	08	1025	1029	1034	S06	W37	4711	02	5.7	9	SF							10	.1		
0065		08	1356*	1357*	1418	S09	W40	4711	02	5.6	22	SF							20	.2	E	
	HTPR	08	1356	1357	1407	S06	W39	4711	02	5.7	11	SF				C	1357	30	.4	E		
	HTPR	08	1407	1418	1428	S12	W41	4711	02	5.5	21	SF				C	1418	10	.1			
0066	RAMY	08	1630	1637	1715	S10	W37	4711	02	5.9	45	SF							26			
0067		08	19179	19198	1928	S10	W38	4711	02	5.9	11	SF							20			
	RAMY	08	1917	1919	1924	S10	W38	4711	02	5.9	7	SF							18			
	RAMY	08	1926	1927	1931	S10	W38	4711	02	5.9	5	SF							22			
0068	RAMY	08	1935	1936	1943	S01	E01	4713	02	8.9	8	SF							50			
0069		08	2012*	2019*	2030	S02	E03	4713	02	9.1	18	SF							26			
	RAMY	08	2012	2019	2026	S03	E04	4713	02	9.1	14	SF							27			
	RAMY	08	2028	2029	2033	S02	E02	4713	02	9.0	5	SF							25			
0070	RAMY	08	2030	2036	2041	S12	W40	4711	02	5.8	11	SF							19			
0071	LEAR	08	2327	2327	2332	S05	W40	4711	02	6.0	5	SF							18		F	
0072		09	01202	01251	0131	S01	E00	4713	02	9.0	11	SN							80	.8	DE	
	VORO	09	0120	0126	0134	S01	W00	4713	02	9.0	14	SF							134	1.4	D	
	PURP	09	0122	0125	0128	S01	W00	4713	02	9.0	6	SN							26	.3	E	
0073	PURP	09	0122	0125	0128	S07	W44	4711	02	5.8	6	SN							20	.3	E	
0074	LEAR	09	0929	0931	0943	S04	W46	4711	02	5.9	14	SF							44			
		09	1026		1039	No Flare Patrol																
		09	1051		1144	No Flare Patrol																
0075	CATA	09	1225	1230	1230D	S06	W48	4711	02	5.9	5D	SB							28	.4		

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																	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			09 1849		1942			No Flare Patrol												
			09 2043		2218			No Flare Patrol												
0076	PURP	10	0038	0043	0049	N01	W13	4713	02	9.0	11	SN			C	0043	160	1.7		
0077	LEAR	10	0058	0101	0106	N02	W12	4713	02	9.1	8	SF		3	C		28			
0078	PURP	10	0231E	0231U	0231D	S08	W02	4713	02	9.9	8D	SN			P	0231	102	1.1	G	
0079	LEAR	10	0511	0513	0514	N01	W20	4713	02	8.7	3	SF		3	C		22			
0080	LEAR	10	0533	0533	0540	N01	W15	4713	02	9.1	7	SF		3	C		31			
0081		10	0708I	0719*	0818	S00	W19	4713	02	8.9	70	SN	C 5.2				153	1.6	FK	
	LEAR	10	0708	0720	0821	N01	W18	4713	02	8.9	73	SN	C 5.2	3	C		195		F K	
	LEAR	10	0708	0743	0821	N01	W18	4713	02	8.9	73	SF		3	C		115		K	
	ATHN	10	0709	0719	0813	S02	W20	4713	02	8.8	64	SN		3	V	0719	191	2.1		
	CATA	10	0735E	0735	0810D	S01	W21	4713	02	8.7	35D	SB		2	P	0735	112	1.2		
0082		10	0946I	0948	0955	S06	W60	4711	02	5.9	9	SF					32	.9		
	ATHN	10	0946	0948	0956	S07	W59	4711	02	6.0	10	SF				0948	48	.9		
	LEAR	10	0947	0948	0954	S06	W60	4711	02	5.9	7	SF		3	C		17			
0083	LEAR	10	1003	1007	1008D	N01	W23	4713	02	8.7	5D	SF		2	C		29			
0084		10	1147I	1155I	1234	S06	W62	4711	02	5.8	47	1B	C 3.4				119	2.5		
	RAMY	10	1147	1155	1235	S06	W66	4711	02	5.5	48	SB	C 3.4	3	C		111			
	ATHN	10	1148	1156	1234	S07	W59	4711	02	6.1	46	1B		3	V	1156	127	2.5		
0085	RAMY	10	1603	1606	1615	S09	W64	4711	02	5.9	12	SN		3	C		58		F	
0086		10	2025I	2055	2100D	S01	W32	4713	02	8.5	35D	SB	C 9.5				187		FKS	
	HOLL	10	2025	2048U	2100D	S01	W32	4713	02	8.5	35D	SB	C 9.5	3	C		60		K	
	HOLL	10	2025	2055	2100D	S01	W32	4713	02	8.5	35D	1B		3	C		314		K	
	RAMY	10	2026		2056D	S01	W31	4713	02	8.5	30D	SB		3	C				FS	
0087	VORO	11	0040	0046	0051	S01	W27	4713	02	9.0	11	1F			C	0046	340	4.0	E	
0088		11	0058A	01063	0115	S04	W69	4711	02	5.9	17	SN					134		D	
	VORO	11	0058	0106	0118	S04	W70	4711	02	5.8	20	SN			C	0106	224		D	
	LEAR	11	0102	0109	0112	S04	W68	4711	02	5.9	10	SF		3	C		45			
0089		11	0100	0102*	0124	S00	W28	4713	02	8.9	24	1N					264	3.0	E	
	VORO	11	0100	0102	0117	S01	W27	4713	02	9.0	17	1F			C	0107	296	3.4	E	
	PURP	11	0114E	0116	0130	N00	W28	4713	02	9.0	16D	1N			C	0116	232	2.7		
0090		11	0330I	0337*	0439	S00	W30	4713	02	8.9	69	1B	M 1.1				548	10.1	EFKU	
	PURP	11	0330	0337	0427	S01	W30	4713	02	8.9	57	1N			C	0337	236	2.8	E	
	PEKG	11	0330	0345	0450	S01	W30	4713	02	8.9	80	3B			C	0345	1471	17.4	EU	
	LEAR	11	0332	0338	0440	N00	W30	4713	02	8.9	68	1B	M 1.1	3	C		294		F K	
	LEAR	11	0332	0406	0440	N00	W30	4713	02	8.9	68	SN		3	C		189		K	
0091	LEAR	11	0450	0452	0509	N00	W29	4713	02	9.0	19	SF		3	C		24		F	
0092	PEKG	11	0615	0635	0726	N01	W37	4713	02	8.5	71	1N			C	0635	210	2.7	E	
0093		11	0816B	08197	0840	S02	W38	4713	02	8.5	24	1N					88	1.2	EI	
	HTPR	11	0816	0819	0840	S01	W39	4713	02	8.4	24	SF			C	0819	20	.3	E	
	ABST	11	0824	0826	0838D	S03	W37	4713	02	8.6	14D	1N			P	0826	157	2.1	EI	
0094	LEAR	11	0854	0854	0900	N02	W37	4713	02	8.6	6	SF	C 1.1	3	C		25			
0095	HTPR	11	0923	0923	0934	N01	W39	4713	02	8.5	11	SF			C	0923	30	.4		
0096	HTPR	11	1015	1031	1040	S01	W39	4713	02	8.5	25	SF			C	1031	40	.5	E	
0097	HTPR	11	1055	1059	1103	N01	W40	4713	02	8.5	8	SF			C	1059	30	.4	E	

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Lat	CMD								Region	Region		Apparent (10 ⁻⁶ Disk)
0098	HTPR	11	1109	1118	1132	N01	W40	4713	02	8.5	23	SF		C	1118	20	.3	E
0099	HTPR	11	1357	1359	1412	S03	W36	4713	02	8.9	15	SF		C	1359	20	.2	
0100	HTPR	11	1546	1551	1553	N01	W42	4713	02	8.5	7	SF		C	1551	40	.5	
0101	HOLL	11	2154E	2159	2231	S06	W80	4711	02	5.9	37D	SF	3	C		59		H
0102		11	2303*	2321	2358	S00	W44	4713	02	8.7	55	1N M 1.0				136	2.4	BEFZ
	LEAR	11	2303	2321	2405	N00	W43	4713	02	8.7	62	SN M 1.0	3	C		110		ZF
	VORO	11	2340	2343U	2350	S01	W46	4713	02	8.5	10	1N		C	2343	161	2.4	EB
0103		12	00261	00272	0033	N01	W48	4713	02	8.4	7	SF				59	2.1	DKT
	VORO	12	0026	0029	0033D	N02	W49	4713	02	8.3	7D	1F		C	0029	125	2.1	DKT
	PALE	12	0027	0027	0030	S03	W47	4713	02	8.5	3	SN	3	C		24		
	LEAR	12	0027	0027	0036	N03	W49	4713	02	8.3	9	SF	3	C		29		
0104		12	0249*	0251*	0307	N02	W50	4713	02	8.4	18	SF C 1.6				50	1.5	
	PURP	12	0249	0251	0308	N01	W51	4713	02	8.3	19	SN		C	0251	90	1.5	
	LEAR	12	0251	0259	0303	N03	W49	4713	02	8.4	12	SF C 1.6	3	C		28		
	LEAR	12	0304	0308	0310	N03	W49	4713	02	8.5	6	SF C 1.6	3	C		31		
0105	PURP	12	0407	0409	0411	N01	W52	4713	02	8.3	4	SN		C	0409	23	.4	D
0106	PURP	12	0507	0509	0514	N01	W52	4713	02	8.3	7	SF		C	0509	39	.7	E
0107	LEAR	12	0541	0543	0552	N03	W51	4713	02	8.4	11	SF	3	C		19		
0108	LEAR	12	0704	0706	0709	N03	W51	4713	02	8.5	5	SF	3	C		25		
0109		12	09103	09131	0919	N02	W52	4713	02	8.5	9	SN				64	1.2	
	KANZ	12	0910	0914	0918	N01	W52	4713	02	8.5	8	SN	2					
	HTPR	12	0911E		0921	N01	W53	4713	02	8.4	10D	SB		C	0914	100	1.6	
	ATHN	12	0912	0914	0920	N03	W51	4713	02	8.6	8	SN	1	V	0914	48	.8	
	LEAR	12	0913	0913	0918	N03	W52	4713	02	8.5	5	SF	3	C		43		
0110		12	09534	09552	1001	N02	W53	4713	02	8.4	8	SN				63	1.6	DH
	HTPR	12	0953	0955	1002	N01	W53	4713	02	8.4	9	SN		C	0955	100	1.6	DH
	KHAR	12	0955E		1003D	N03	W55	4713	02	8.3	8D	SN		P	0955			
	LEAR	12	0955	0956	1001	N03	W52	4713	02	8.5	6	SF	3	C		26		
	KANZ	12	0957	0957	1000	N01	W53	4713	02	8.4	3	SF	2					
0111		12	1034*	1042*	1112	N02	W54	4713	02	8.4	38	SN C 1.7				84	1.4	DE
	WEND	12	1034	1104	1207	N03	W53	4713	02	8.5	93	1F C 1.7		C	1104	156	2.7	
	HTPR	12	1039		1051D	N01	W53	4713	02	8.5	12D	SN		C	1044	100	1.6	
	ATHN	12	1040	1042	1045	N03	W52	4713	02	8.5	5	SF	2	V	1042	32	.5	
	KANZ	12	1040	1044	1052	N01	W53	4713	02	8.5	12	SF	2					
	KHAR	12	1042E	1043U	1053D	N03	W55	4713	02	8.3	11D	SN		V	1043			D
	HTPR	12	1056E		1113	N02	W55	4713	02	8.3	17D	SB		C	1100	70	1.2	E
	KHAR	12	1059E	1101U	1110D	N03	W55	4713	02	8.3	11D	SN		V	1101			D
	ATHN	12	1059	1101	1110	N03	W53	4713	02	8.5	11	SN	3	V	1101	64	1.0	
	KANZ	12	1100	1100	1108	N02	W55	4713	02	8.3	8	SN	2					E
0112		12	1121	1127	1136	N02	W52	4713	02	8.6	15	SF				20	.3	DE
	HTPR	12	1121	1127	1136	N02	W55	4713	02	8.4	15	SF		C	1127	20	.3	E
	KHAR	12	1125E		1131D	N03	W55	4713	02	8.4	6D	SF		V	1125			D
	KHAR	12	1135E		1148D	N01	W45	4713	02	9.1	13D	SF		V	1135			D
	KHAR	12	1155E		1200D	N03	W55	4713	02	8.4	5D	SF		V	1155			D
0113		12	12153	12181	1224	N02	W52	4713	02	8.6	9	SN				20	.4	
	HTPR	12	1215	1218	1224	N02	W56	4713	02	8.3	9	SN		C	1218	20	.4	
	ATHN	12	1218	1219	1223	N02	W49	4713	02	8.8	5	SF	3	V	1219	19	.3	
0114	HTPR	12	1236	1238	1242	N02	W56	4713	02	8.3	6	SF		C	1238	20	.4	
0115		12	1309*	1326*	1408	N00	W54	4713	02	8.5	59	SN C 2.1				53	.8	EF
	HTPR	12	1309	1326	1335	N02	W57	4713	02	8.3	26	SF		C	1326	30	.5	E
	HTPR	12	1334	1356	1403	S02	W48	4713	02	9.0	29	SF		C	1356	40	.6	E
	RAMY	12	1351	1403	1425	S01	W53	4713	02	8.6	34	SB C 2.1	3	C		62		FE
	HTPR	12	1400	1404	1430	N02	W57	4713	02	8.3	30	SN		C	1404	80	1.4	E

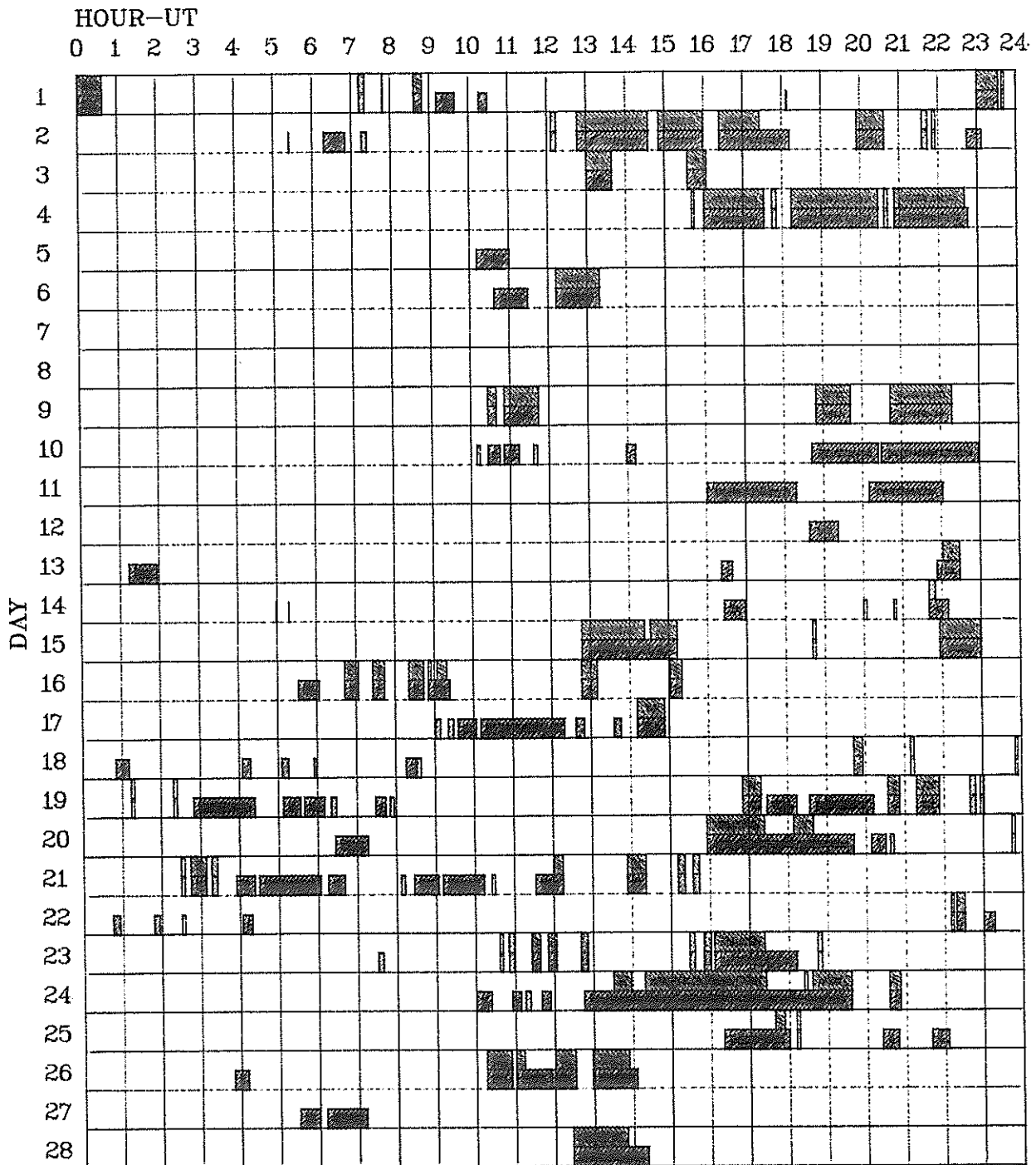
H - ALPHA SOLAR FLARES

FEBRUARY 1986

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/ USAF Lat CMD Region	CMP Mo Day	Dur (Min)	Imp Opt Xray	Obs See Type	Area Measurement			Remarks		
											Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)			
0116	HTPR	12	1451	1458	1504	S02 W59 4713	02	8.2	13	SF		C	1458	20	.4	E
0117	HOLL	12	2129E	2133	2139	N02 W62 4713	02	8.3	10D	SF	3	C		114		F
0118	LEAR	13	0234	0235	0240	S01 W54 4713	02	9.1	6	SF	3	C		55		
0119		13	0246*	0246*	0256	N04 W63 4713	02	8.4	10	1F M 1.0				91	5.2	EF
	LEAR	13	0246	0246	0254	N04 W63 4713	02	8.4	8	SF M 1.0	3	C		43		F
	PEKG	13	0246	0248	0252	N05 W64 4713	02	8.3	6	2N M 1.0		C	0248	210	5.2	E
	LEAR	13	0256	0256	0302	N02 W61 4713	02	8.6	6	SF	3	C		20		F
0120	LEAR	13	0316	0327	0332	N02 W61 4713	02	8.6	16	SF	3	C		31		F
0121	LEAR	13	0354	0354	0359	N02 W63 4713	02	8.4	5	SF	3	C		23		F
0122	PEKG	13	0454	0458	0502	N05 W64 4713	02	8.4	8	1N		C	0458	168	3.9	E
0123		13	0600*	0624*	0743	N02 W66 4713	02	8.3	103	SN				54		FIK
	ABST	13	0600	0624	0752	N01 W66 4713	02	8.3	112	1N		C	0624	140		FIK
	LEAR	13	0710	0716	0721	N03 W65 4713	02	8.4	11	SF	3	C		24		
	LEAR	13	0729	0732	0738	N04 W67 4713	02	8.3	9	SF	3	C		24		F
	CATA	13	0735E	0750	0800	N01 W68 4713	02	8.2	25D	SB	2	P	0750	28		
0124		13	08304	08307	0840	S00 W64 4713	02	8.6	10	SN				54	.6	D
	CATA	13	0830	0830	0835	S04 W60 4713	02	8.9	5	SN	2	C	0830	28	.6	
	ABST	13	0834	0837	0845	N03 W69 4713	02	8.2	11	SF		C	0837	79		D
0125		13	0944E		1022D	N01 W63 4713	02	8.7	38D	SF						DEH
	KHAR	13	0944E		1000D	N03 W68 4713	02	8.3	16D	SF		V	0945			EH
	KHAR	13	1017E		1022D	S01 W58 4713	02	9.1	5D	SF		V	1017			D
0126		13	17172	1720	1732	S03 W65 4713	02	8.9	15	SB C 2.0				63		FH
	HOLL	13	1717	1720	1742	S03 W65 4713	02	8.9	25	SB C 2.0	3	C		76		FH
	RAMY	13	1719	1720	1723	S03 W65 4713	02	8.9	4	SB C 2.0	3	C		50		
0127	PALE	13	1933	1933	1935	N01 W70 4713	02	8.6	2	SF	2	C		16		H
		13	2202		2228	No Flare Patrol										
0128		13	23151	23162	2320	S02 W67 4713	02	9.0	5	SN C 5.1				60		
	PALE	13	2315	2316	2319	S03 W68 4713	02	8.9	4	SN C 5.1	2	C		60		
	LEAR	13	2316	2318	2320	S01 W66 4713	02	9.0	4	SN C 5.1	3	C		60		
0129		13	2340*	2344*	2408	S01 W71 4713	02	8.7	28	SF				131		DE
	VORO	13	2340	2344	2351D	N02 W78 4713	02	8.1	11D	SF		C	2344	251		E
	PALE	14	0002	0003	0009	S03 W68 4713	02	8.9	7	SF	3	C		34		
	VORO	14	0002	0004	0007	S03 W67 4713	02	9.0	5	SF		C	0004	108		D
0130		14	00452	0047	0050	S04 W67 4713	02	9.0	5	SF				61		D
	PALE	14	0045	0047	0049	S03 W68 4713	02	9.0	4	SF	3	C		23		
	VORO	14	0047	0047	0050	S04 W66 4713	02	9.1	3	SF		C	0047	99		D
0131	LEAR	14	0301	0304	0306	N04 W76 4713	02	8.4	5	SF	3	C		15		
0131	ABST	14	0810E	0818	0831	N02 W85 4713	02	8.0	21D	1F		P	0818	114		EI
0132		14	09091	09224	1010	N00 W78 4713	02	8.5	61	1N M 6.4				258		AEFHOR
	KHAR	14	0909E	0916U	1040D	N03 W82 4713	02	8.2	91D	2B		P	0919	700		FHOR
	LEAR	14	0909	0922	1034D	S01 W76 4713	02	8.7	85D	1N M 6.4	3	C		114		F
	ATHN	14	0910	0925	0925D	N01 W76 4713	02	8.7	15D	1B	3	V	0925	127		
	WEND	14	0910	0926	1000	S02 W80 4713	02	8.4	50	1N M 6.4		C	0926	90		A
	KANZ	14	0915E	0923	1021	S01 W76 4713	02	8.7	66D	1N	1					EF
0133		14	1545	15451	1600	S01 W79 4713	02	8.7	15	SB C 5.8				84		F
	HOLL	14	1545	1545	1600	N01 W80 4713	02	8.7	15	SB C 5.8	3	C		89		F
	RAMY	14	1545	1546	1549D	S03 W78 4713	02	8.8	4D	SB C 5.8	3	C		79		
0134	HOLL	14	2038	2038	2052	N00 W86 4713	02	8.4	14	SB C 3.5	3	C		40		

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

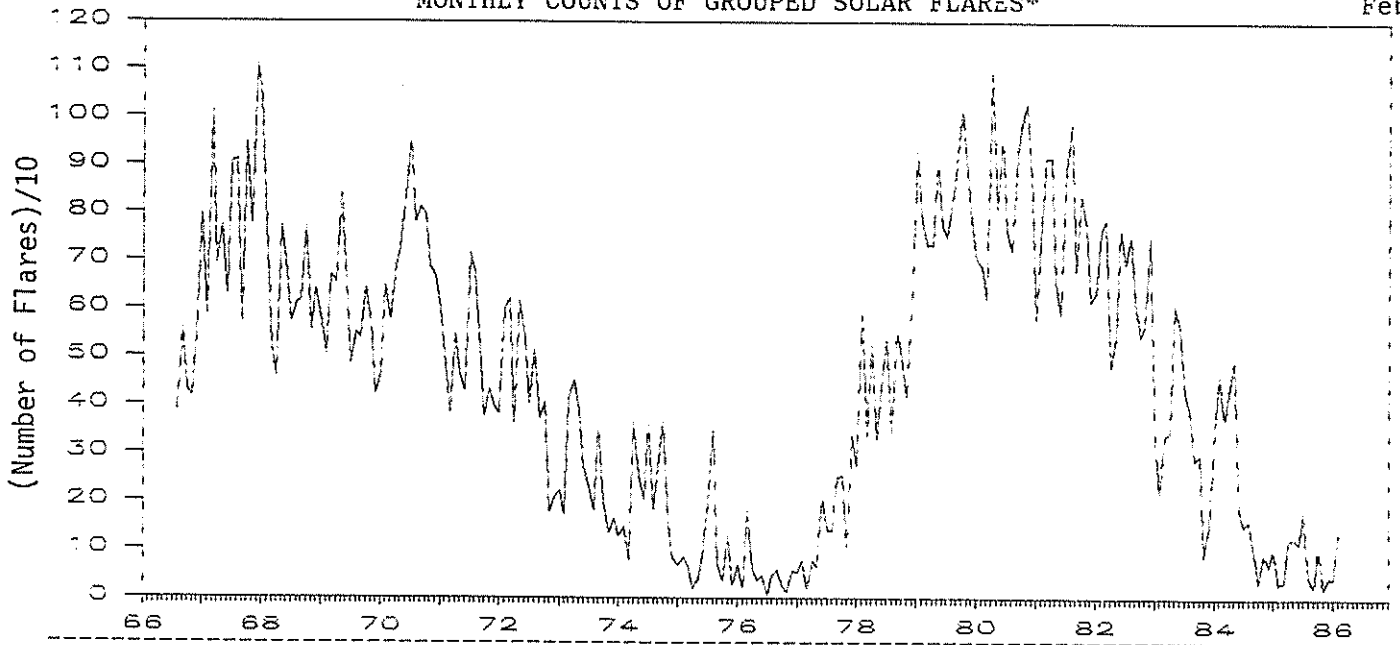
FEBRUARY 1986



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

- | | | | | |
|----------------|-------------|-----------|------------|-------------|
| Abastumani | Holloman | Kharkov | Mitaka | Ramey |
| Athens | Hurbanovo | Learmonth | Palehua | Tashkent |
| Catania | Istanbul | Lvov | Peking | Voroshilov |
| Haute Provence | Kanzelhoehe | Manila | Purple Mt. | Wendelstein |

MONTHLY COUNTS OF GROUPED SOLAR FLARES*



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1966								391	558	432	417	543	2341
1967	796	589	1009	694	771	629	907	911	573	946	775	1109	9709
1968	1037	773	519	460	768	697	573	611	616	772	556	640	8022
1969	581	504	669	655	839	694	489	551	540	643	566	422	7153
1970	466	646	578	688	722	836	954	780	811	797	687	667	8632
1971	598	505	387	546	461	430	713	673	518	375	431	394	6031
1972	384	599	621	361	614	541	404	515	371	408	175	210	5203
1973	221	171	410	453	388	270	232	182	353	201	136	163	3180
1974	127	148	79	364	255	204	360	187	270	366	153	81	2594
1975	68	82	69	19	42	85	196	346	68	38	127	25	1165
1976	69	18	180	60	38	48	6	47	57	23	13	55	614
1977	54	77	18	76	64	210	140	140	250	252	107	336	1724
1978	274	588	338	526	330	460	533	346	554	499	418	648	5514
1979	926	781	731	731	907	772	750	821	901	1018	888	786	10012
1980	703	689	621	1092	811	956	763	720	924	988	1027	838	10132
1981	578	782	914	915	658	592	893	982	680	836	773	615	9218
1982	631	763	783	480	540	769	696	753	616	545	565	749	7890
1983	332	220	337	346	609	561	427	395	289	298	88	152	4054
1984	353	461	366	440	492	185	151	161	95	36	92	69	2901
1985	104	29	38	118	126	113	177	48	22	106	19	45	945
1986	43	136											179

*Flare counts are preliminary from July 1982 to present.

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
01	260	ONDR	44 NS	0756.0E	1206.0	374.0D	137.0			
	245	LEAR	44 NS	2222.0E	0536.1	729.1D	189.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0129.0	0130.0	2.5	3.0	1.0		
	3750	TYKW	21 GRF	0220.0	0250.0	100.0	1.5	.7		
	2000	TYKW	5 S	0230.0	0232.0	6.0	1.0	.3		
	9400	TYKW	20 GRF	0230.0	0250.0	90.0	2.0	1.0		
	245	LEAR	47 GB	0252.1	0252.6	1.0	67.0			QL=6 ST=2 TYP=5
	3750	TYKW	20 GRF	0320.0	0330.0	35.0	1.0	.5		
	3750	TYKW	20 GRF	0620.0	0650.0	80.0	1.5	.7		
	204	IZMI	7 C	0843.2	0843.4	1.0	14.0	7.0		
	204	IZMI	4 S/F	0858.5	0858.8	.6	54.0	20.0		
	245	LEAR	8 S	0858.6	0858.8	.4	35.0			QL=6 ST=2 TYP=3
	430	KRAK	42 SER	0947.0	0949.7	25.0	30.0			
	2950	GORK	20 GRF	0958.3	1003.6	43.5	2.3	.8		
	930	BORD	41 F	0959.4	1001.8	2.6	23.0	2.0		
	810	KRAK	42 SER	1000.0	1002.0	2.0	95.0			
	536	ONDR	40 F	1001.0	1001.5	3.0	5.0			
	808	ONDR	40 F	1001.0	1001.8	1.0				
	930	BORD	8 S	1013.8	1014.0	.3	48.0	2.0		
	430	KRAK	42 SER	1125.2	1130.3	8.2	37.0			
	430	KRAK	8 S	1205.2	1205.5	.5	24.0			
	2800	OTTA	240 R	1653.0	1700.0	7.0	1.2	.6		
	2800	OTTA	20 GRF	1830.0	1847.0	40.0	1.4	.5		
	2695	PENT	20 GRF	2120.0	2125.0	20.0	1.6	.8		
	9400	TYKW	5 S	2324.8	2325.0	0.5	6.0	1.5		
	3750	TYKW	20 GRF	2325.0	2355.0	170.0	3.0	1.5		
	9400	TYKW	45 C	2326.0	2327.3	9.0	5.0	1.5		
	2000	TYKW	20 GRF	2345.0	0000.0	75.0	1.0	.5		
	9400	TYKW	21 GRF	2346.0	2350.0	45.0	3.0	1.5		
	9400	TYKW	5 S	2351.0	2354.3	10.0	3.0	1.0		
500	HIRA	8 S	2352.9	2353.4	.5	21.0				
02	430	KRAK	44 NS	0800.0E	1333.8	344.0D	11.0			
	260	ONDR	44 NS	0858.0E	1259.5	313.0D	60.0			
	245	PALE	43 NS	1751.0	1822.1		16.0			QL=6 ST=1 TYP=1
	245	PALE	43 NS	1751.0	1954.8		180.0			QL=6 ST=1 TYP=1
	245	PALE	43 NS	1751.0	2146.0		250.0			QL=6 ST=1 TYP=1
	610	PALE	43 NS	1945.0	2030.3	180.0	33.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	1945.0	2146.3	250.0	45.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2138.0E	2253.0	150.0D	30.0	5.0		WL
	245	LEAR	43 NS	2223.0	0059.5	749.0D	110.0			QL=6 ST=2 TYP=1
	410	LEAR	43 NS	2223.0	0137.3		13.0			QL=6 ST=1 TYP=1
	610	LEAR	43 NS	2223.0	0148.8		9.0			QL=6 ST=1 TYP=1
	500	HIRA	8 S	0000.2	0000.3	.2	11.0			
	500	HIRA	8 S	0112.2	0112.4	.3	5.0			0
	2000	TYKW	5 S	0312.0	0313.6	3.0	3.0	1.5		
	2840	PEKG	3 S	0312.0	0313.7	10.0	13.7	4.2		
	3750	TYKW	5 S	0312.0	0313.8	4.0	17.0	5.0		
	9400	TYKW	5 S	0312.5	0313.7	2.5	4.0	2.0		
	9400	TYKW	29 PBI	0315.0		40.0	2.0	1.0		
	2000	TYKW	30 PBI	0315.0		5.0	1.0	.5		
	3750	TYKW	30 PBI	0316.0		4.0	1.0	.5		
	3750	TYKW	31 ABS	0320.0	0410.0	100.0	-2.0	-1.0		
	2000	TYKW	31 ABS	0320.0	0420.0	100.0	-1.0	-.5		
	2000	TYKW	5 S	0329.0	0329.3	1.0	1.5	.5		
	200	HIRA	46 C	0535.7	0536.0	1.0	290.0	110.0		0
	1000	TYKW	45 C	0604.0	0604.3	.5	3.0	.7		
	1000	TYKW	45 C	0605.6	0606.3	1.0	7.0	1.0		
	2000	TYKW	21 GRF	0630.0	0636.0	60.0	1.0	.5		
	3750	TYKW	20 GRF	0630.0	0645.0	60.0	3.0	1.5		
	950	GORK	22 GRF	0630.6	0644.2	18.0	7.6			
	9300	KISV	20 GRF	0631.9	0646.0	37.5	6.0			
2950	GORK	22 GRF	0635.3	0646.5	97.0	3.3				
9400	TYKW	20 GRF	0640.0	0646.0	40.0	3.0	1.5			
1000	TYKW	45 C	0641.5	0641.8	2.0	2.0	.5			
650	GORK	46 C	0641.5	0644.2	6.6	4.0				
2000	TYKW	45 C	0641.5	0644.3	5.5	8.0	2.0			
650	GORK	45 C	0641.5	0645.1		13.0				
1000	TYKW	45 C	0644.0	0644.3	3.0	5.0	1.5			
2000	TYKW	29 PBI	0647.0		40.0	1.0	.5			
9300	KISV	1 S	0732.4	0732.9	2.0	9.0				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

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Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
02	113	POTS	4 S/F	0853.2	0853.8	1.0	100.0	25.0		
	100	GORK	8 S	0853.5	0853.7	.9	30.00			
	234	POTS	4 S/F	0853.5	0854.0	1.5	200.0	20.0		
	200	GORK	4 S/F	0853.6	0853.9	1.3	1000.0			
	204	IZMI	4 S/F	0853.6	0853.9	.7	630.0	315.0		
	9300	KISV	45 C	0853.6	0854.0	7.0	7.0			
	9300	KISV		0853.6	0857.6		5.0			
	808	ONDR	4 S/F	0947.5	0947.7	.8				
	204	IZMI	7 C	0948.0	0948.5	.7	24.0	10.0		
	9100	GORK	21 GRF	1052.7	1124.0	110.00	9.0			
	2950	GORK	21 GRF	1057.3	1122.8	46.9	1.2			
	204	IZMI	8 S	1109.0	1109.1	.2	15.0	7.0		
	9500	POTS	22 GRF	1119.0	1121.7	17.0	12.0			
	9300	KISV		1119.0	1120.1		12.0			
	9300	KISV	45 C	1119.0	1122.0	12.0	16.0			
	9100	GORK	46 C	1119.9	1120.1	3.3	5.0			
	9100	GORK		1119.9	1122.0		10.0			
	3000	POTS	21 GRF	1121.0	1121.5	16.0	3.0			
	1470	POTS	22 GRF	1121.0	1122.0	17.0	3.0			
	2950	GORK	2 S/F	1121.4	1122.0	1.5	1.7			
	808	ONDR	8 S	1121.8	1122.0	.3				
	204	IZMI	8 S	1135.5	1135.5	.2	17.0	8.0		
	234	POTS	4 S/F	1258.5	1259.0	1.5	140.0	15.0		
	1470	POTS	21 GRF	1306.00	1310.5	5.50	3.0			
	9500	POTS	21 GRF	1307.8	1308.0	9.7	8.0			
	234	POTS	41 F	1405.1	1405.5	4.5	175.0	5.0		
	113	POTS	41 F	1405.2	1406.3	3.0	350.0	20.0		
	40	POTS	42 SER	1406.6	1407.7	4.7	525.0	25.0		
	2800	OTTA	8 S	1543.2	1543.3	.7	6.4	2.1		
	930	BORD	46 C	1543.3	1543.7	2.4	12.0	4.0		
	2800	OTTA	4 S/F	1651.0	1652.1	3.0	25.0	6.2		
	2800	OTTA	29 FBI	1654.0	1654.0	20.0	2.6	1.3		
2800	OTTA	23 GRF	1935.0	2057.0	205.00	12.6				
245	SGMR	49 GB	1943.1	2010.1		960.0			QL=2 ST=3 TYP=6	
2800	OTTA	1 S	2028.0	2030.0	4.0	2.0	1.4			
2695	PENT	1 S	2202.0	2204.0	8.0	2.4	1.2			
500	HIRA	8 S	2334.4	2334.6	.2	8.0			WL	
9400	TYKW	5 S	2340.5	2341.5	3.5	3.0	1.0			
03	100	GORK	43 NS	0613.0		347.00		10.0		
	204	IZMI	43 NS	0700.0		300.0	80.0			
	260	ONDR	44 NS	0806.0E		379.00	131.0			
	430	KRAK	44 NS	0817.5E	1344.0	343.00	80.0			
	536	ONDR	43 NS	1128.0	1131.5	142.0	46.0			
	245	SGMR	43 NS	1216.0	1901.6		300.0			QL=1 ST=3 TYP=1
	245	PALE	43 NS	1733.0	1811.8	632.00	380.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	1733.0	2148.8	632.00	430.0			QL=6 ST=2 TYP=1
	610	PALE	43 NS	1733.0	2157.6	632.00	520.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2138.0E	2310.0	640.00	440.0	230.0		ML
	100	HIRA	44 NS	2138.0E	2348.0	640.00	2000.0	930.0		SL
	410	LEAR	43 NS	2224.0	0200.1	747.00	119.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2224.0	0314.0	747.00	330.0			QL=6 ST=2 TYP=1
	610	LEAR	43 NS	2224.0	2251.3	747.00	59.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0051.0	0051.4	3.0	3.0	1.0		
	200	HIRA	41 F	0058.6	0059.3	2.0	230.0			WL
	9400	TYKW	5 S	0100.0	0100.9	3.0	4.0	1.0		
	500	HIRA	8 S	0148.3	0148.7	.6	6.0	4.0		WL
	200	HIRA	42 SER	0311.5	0311.7	26.0	105.0			WL
	100	HIRA	8 S	0358.0	0358.2	.5	480.0			
	200	HIRA	42 SER	0358.0	0358.3	64.0	230.0			0
	2000	TYKW	20 GRF	0545.0	0610.0	105.0	1.0	.5		
	3750	TYKW	20 GRF	0545.0	0610.0	105.0	2.0	1.0		
	100	GORK	8 S	0600.4	0600.6	.7	20.00			
	100	GORK	41 F	0607.8	0609.8	38.0	20.00			
	100	GORK		0607.8	0623.7		20.00			
	100	GORK		0607.8	0624.7		20.00			
100	GORK		0607.8	0625.4		20.00				
100	GORK		0607.8	0629.8		30.0				
100	GORK		0607.8	0645.0		35.0				
9300	KISV	1 S	0609.2	0609.9	4.0	8.0				
200	GORK	4 S/F	0609.6	0609.8	.9	900.0				

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (10 ⁻²² W/m ² Hz)	Int	Remarks
03	9300	KISV	1 S	0623.6	0623.7	1.0	7.0			
	9100	GORK	23 GRF	0709.8	0943.5	325.00	13.0			
	9400	TYKW	5 S	0710.0	0710.9	3.0	11.0	3.0		
	9300	KISV	1 S	0710.3	0710.9	2.5	10.0			
	9100	GORK	1 S	0710.8	0710.9	1.2	7.0	3.0		
	9400	TYKW	29 PBI	0713.0		15.0	2.0	1.0		
	2950	GORK	21 GRF	0718.5	1045.9	293.0	5.2	2.7		
	930	BORD	46 C	0813.0E	0813.9	44.00	2025.00	25.00		
	113	POTS	4 S/F	0823.6	0824.3	1.4	800.0	200.0		
	40	POTS	4 S/F	0823.8	0824.4	1.2	450.0	100.0		
	200	GORK	4 S/F	0824.0	0824.1	.7	500.0			
	100	GORK	8 S	0824.0	0824.2	.6	550.0			
	200	GORK	41 F	0850.0	0850.5	13.4	200.0			
	200	GORK		0850.0	0855.9		200.0			
	200	GORK		0850.0	0902.4		7100.0			
	100	GORK	41 F	0855.2	0855.4	8.2	130.0			
	100	GORK		0855.2	0901.0		130.0			
	100	GORK		0855.2	0902.4		1600.0			
	100	GORK		0855.2	0902.7		450.0			
	245	LEAR	47 GB	0859.8	0902.3	3.0	270.0			QL=6 ST=2 TYP=5
	234	POTS	4 S/F	0900.1	0902.4	3.4	1100.0	30.0		
	204	IZMI	41 F	0900.2	0902.4	3.7	710.0			
	113	POTS	4 S/F	0900.5	0902.5	3.0	2100.0	30.0		
	30	POTS	4 S/F	0900.9	0902.8	26.0	17000.0			
	410	LEAR	4 S/F	0901.0	0902.3	2.1	37.0			QL=6 ST=2 TYP=3
	536	ONDR	8 S	0902.0	0902.2	.5	21.0			
	610	LEAR	8 S	0902.1	0902.3	.5	20.0			QL=6 ST=2 TYP=3
	1470	POTS	8 S	0902.1	0902.3	.9	11.0			
	33	UPIC	4 S/F	0902.3	0902.5	.7				
	29	UPIC	8 S	0902.5	0902.7	.8				
	9300	KISV	40 F	0941.0	0950.8	15.0	8.0			
	234	POTS	4 S/F	0941.0	0941.3	1.5	630.0	125.0		
	113	POTS	4 S/F	0941.0	0941.6	1.0	1300.0	35.0		
	100	GORK	41 F	0941.1	0941.5	13.2	670.0			
	410	LEAR	8 S	0941.1	0941.6	1.9	34.0			QL=6 ST=2 TYP=3
	100	GORK		0941.1	0953.6		200.0			
	200	GORK	41 F	0941.3	0941.4	12.8	1100.0			
	245	LEAR	47 GB	0941.3	0941.5	1.7	350.0			QL=6 ST=2 TYP=5
	30	POTS	4 S/F	0941.3	0941.6	.7	150.0	40.0		
	200	GORK		0941.3	0953.5		160.0			
	9100	GORK	1 S	0950.4	0950.8	1.2	8.0	4.0		
	2950	GORK	2 S/F	0950.6	0950.8	.9	1.6	.8		
	204	IZMI	4 S/F	0952.8	0953.6	1.4	47.0	20.0		
	9100	GORK	1 S	0953.2	0953.6	1.1	7.0	3.5		
	930	BORD	46 C	1022.0	1028.0	20.0	132.0	24.0		
	100	GORK	46 C	1024.6	1025.1	1.2	260.0			
	100	GORK		1024.6	1025.6		300.0			
	200	GORK	4 S/F	1024.6	1025.8	1.7	500.0			
	9300	KISV	2 S/F	1043.0E	1044.6	1.50	9.0			
	9100	GORK	1 S	1043.9	1044.6	1.7	8.0	4.0		
3000	IZMI	1 S	1044.0	1044.6	1.6	5.0	2.5			
2950	GORK	2 S/F	1044.2	1044.7	1.8	2.9	1.5			
3000	POTS	21 GRF	1245.0	1247.7	20.00	6.0				
9500	POTS	21 GRF	1245.0	1247.7	15.0	14.0				
930	BORD	46 C	1245.0	1248.5	5.0	10.0	4.0			
1470	POTS	40 F	1246.5	1247.7	14.0	7.0				
33	UPIC	2 S/F	1307.0	1307.0	.4					
29	UPIC	2 S/F	1307.0	1307.1	.5					
9500	POTS	4 S/F	1349.2	1350.0	4.3	14.0				
2800	OTTA	46F C	1538.0	1539.5	17.0	23.2	10.0			
2800	OTTA	30 PBI	1555.0	1555.0	35.0	4.0	2.4			
2800	OTTA	21 GRF	1600.0	1604.0	12.0	2.0	1.0			
2800	OTTA	1 S	1606.0	1606.5	2.0	2.6	1.2			
245	SGMR	49 GB	1652.5	1652.6	.5	660.0			QL=1 ST=2 TYP=6	
2800	OTTA	28 PRE	1723.8	1726.0	7.2	4.6				
2800	OTTA	4 S/F	1731.0	1733.0	7.0	28.4	14.0			
2800	OTTA	30 PBI	1738.0	1738.0	18.0	4.0	2.0			
2800	OTTA	1 S	1740.7	1741.0	2.0	2.0	1.0			
245	SGMR	49 GB	1811.6	1811.8	.5	590.0			QL=1 ST=2 TYP=6	
2800	OTTA	1 S	1909.0	1909.7	5.0	3.4	1.1			
2800	OTTA	2 S/F	1958.0	2000.0	8.0	2.0	.8			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (10 ⁻²² W/m ² Hz)	Int	Remarks
03	2800	OTTA	46F C	2036.7	2042.5	86.3	228.0	65.0		
	410	PALE	49 GB	2036.8	2036.8	3.2	620.0			QL=6 ST=2 TYP=6
	410	SGMR	49 GB	2036.8	2037.1		2199.0			QL=6 ST=3 TYP=6
	245	PALE	49 GB	2036.8	2037.8	25.2	950.0			QL=6 ST=2 TYP=6
	8800	SGMR	49 GB	2037.0	2042.6		590.0			QL=6 ST=3 TYP=6
	4995	SGMR	47 GB	2037.1			73.0			QL=6 ST=3 TYP=5
	245	SGMR	49 GB	2037.1	2037.3		1500.0			QL=6 ST=3 TYP=6
	4995	SGMR	47 GB	2037.1	2037.3		73.0			QL=6 ST=3 TYP=5
	15400	SGMR	47 GB	2037.1	2037.3		450.0			QL=6 ST=3 TYP=5
	15400	PALE	49 GB	2037.1	2046.8	22.2	1100.0			QL=6 ST=2 TYP=6
	610	PALE	47 GB	2037.5	2038.3	3.1	83.0			QL=6 ST=2 TYP=5
	610	SGMR	47 GB	2038.1	2038.3		62.0			QL=6 ST=3 TYP=5
	1415	SGMR	47 GB	2040.1	2040.6		100.0			QL=6 ST=3 TYP=5
	2695	SGMR	47 GB	2040.1	2042.6		210.0			QL=6 ST=3 TYP=5
	410	SGMR	47 GB	2110.1	2114.3	25.9D	340.0			QL=6 ST=2 TYP=5
	610	SGMR	47 GB	2113.0	2113.5	4.1D	370.0			QL=6 ST=2 TYP=5
	2695	SGMR	47 GB	2115.1	2115.6	1.0D	61.0			QL=6 ST=2 TYP=5
	1415	SGMR	47 GB	2115.1	2116.1	1.4D	58.0			QL=6 ST=2 TYP=5
	500	HIRA	48 C	2140.0E	2157.0	90.0D	450.0	80.0		SL, SUNRISE
	500	HIRA		2140.0E	2204.8		400.0			SL
	500	HIRA		2140.0E	2227.3		150.0			SL
	2800	OTTA	29 PBI	2203.0	2203.0	90.0D	25.7			
	1000	TYKW	45 C	2208.0E	2212.8	7.5D	115.0	10.0U		
	1000	TYKW	45 C	2216.0	2219.1	8.0	12.0	2.0U		
	1000	TYKW	45 C	2224.5	2228.8	6.5	50.0	6.0		
	410	PALE	47 GB	2227.3	2227.8	1.5	150.0			QL=6 ST=2 TYP=5
	3750	TYKW	20 GRF	2230.0E	2230.0U	100.0D	8.0	4.0D		
	2000	TYKW	20 GRF	2230.0E	2230.0U	100.0D	6.0	3.0D		
	9400	TYKW	20 GRF	2230.0E	2230.0U	70.0D	10.0	5.0D		
	1000	TYKW	29 PBI	2231.0		50.0	2.0	1.0		
500	HIRA	27 RF	2314.3	2359.0	93.0	15.0	6.0		ML	
04	200	GORK	44 NS	0600.0E		360.0D		50.0		
	100	GORK	44 NS	0600.0E		360.0D		600.0		
	113	POTS	44 NS	0655.0E	0838.0	493.0D	700.0			
	204	IZMI	44 NS	0700.0E		300.0D	250.0			
	234	POTS	44 NS	0708.0E	0903.0	469.0D	360.0			
	30	POTS	44 NS	0714.0E	0842.0	476.0D	4400.0			
	33	UPIC	43 NS	0722.5	0734.7	487.5D				
	29	UPIC	43 NS	0722.8	0736.3	487.2D				
	430	KRAK	44 NS	0751.5E	0805.0U	369.0D	110.0D	17.0		
	536	ONDR	44 NS	0800.0E		60.0D	73.0D			
	260	ONDR	44 NS	0810.0E		373.0D	138.0D			
	410	SGMR	43 NS	1217.0			73.0			QL=6 ST=3 TYP=1
	245	SGMR	43 NS	1217.0			98.0			QL=6 ST=3 TYP=1
	245	PALE	44 NS	1739.0E	0324.1	628.0D	160.0			QL=6 ST=2 TYP=1
	100	HIRA	44 NS	2137.0E	0112.0	640.0D	2000.0	470.0		SL
	200	HIRA	44 NS	2137.0E	0716.0	640.0D	340.0	140.0		ML
	245	LEAR	43 NS	2224.0	0659.8	747.0D	230.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0157.0	0157.6	2.0	2.0	.7		
	9400	TYKW	5 S	0200.0	0203.0	10.0	2.0	1.0		
	500	HIRA	6 S	0204.3	0205.2	1.8	110.0	7.0		WL
	9400	TYKW	21 GRF	0220.0	0237.0	120.0	4.0	2.0		
	3750	TYKW	21 GRF	0220.0	0240.0	120.0	3.0	1.5		
	500	HIRA		0220.0	0226.5		12.0			ML
	500	HIRA	46 C	0220.0	0242.6	27.0	25.0	5.0		ML
	2000	TYKW	20 GRF	0223.0	0232.0	40.0	1.0	.5		
	9400	TYKW	5 S	0239.0	0239.8	7.0	6.0	1.5		
	9400	TYKW	21 GRF	0250.0	0255.0	30.0	4.0	2.0		
	500	HIRA	42 SER	0301.4	0306.4	7.0	30.0			ML
	9400	TYKW	45 C	0302.0	0303.6	2.0D	13.0	4.0D		
	3750	TYKW	5 S	0303.0	0304.0	4.0	1.5	.7		
9400	TYKW	29 PBI	0307.0E		10.0D	4.0	2.0D			
500	HIRA	46 C	0314.2	0319.3	30.0	100.0	15.0		ML	
2000	TYKW	21 GRF	0320.0	0340.0	60.0	1.0	.5			
3750	TYKW	21 GRF	0325.0	0333.0	55.0	2.0	1.0			
9400	TYKW	21 GRF	0325.0	0333.0	55.0	5.0	2.0			
2000	TYKW	20 GRF	0345.0	0351.0	30.0	1.0	.5			
3750	TYKW	45 C	0349.0	0356.0	27.0	3.0	1.5			
9400	TYKW	20 GRF	0349.0	0402.0	30.0	4.0	2.0			
500	HIRA	45 C	0402.0	0402.8	9.3	10.0	5.0		WL	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
04	2000	TYKW	21 GRF	0430.0	0450.0	90.0	1.0	.5		
	9395	PEKG	28 PRE	0432.0	0435.5	12.0	9.5	4.9		
	9400	TYKW	28 PRE	0432.0	0436.0	12.0	5.0	2.0		
	3750	TYKW	21 GRF	0432.0	0452.0	85.0	2.0	1.0		
	9400	TYKW	5 S	0444.0	0445.6	8.0	95.0	18.0		
	9395	PEKG	3 S	0444.0	0445.7	10.0	95.0	27.5		
	3750	TYKW	5 S	0445.0	0445.5	5.0	3.0	1.0		
	15400	LEAR	47 GB	0445.3	0445.6	1.0	119.0			QL=6 ST=2 TYP=5
	8800	LEAR	47 GB	0445.3	0445.6	1.8	110.0			QL=6 ST=2 TYP=5
	17000	NOBE	1 S	0445.3	0445.6	4.0	95.0			R
	35000	NOBE	1 S	0445.3	0445.6	3.0	60.0			R
	9400	TYKW	30 PBI	0452.0		60.0	5.0			
	9395	PEKG	30 PBI	0454.0	0527.8	66.0	26.0	10.6		
	2000	TYKW	28 PRE	0500.0	0510.0	10.0	1.0	.5		
	500	HIRA	42 SER	0500.7	0504.5	6.5	7.0			0
	2840	PEKG	45 C	0502.0	0528.1	58.0	9.2	2.8		
	3750	TYKW	28 PRE	0505.0	0510.0	5.0	1.0	.5		
	1000	TYKW	45 C	0510.0	0512.3	4.0	2.0	.3		
	9400	TYKW	45 C	0510.0	0516.3	30.0	35.0	6.0		
	3750	TYKW	45 C	0510.0	0516.3	30.0	16.0	5.0		
	2000	TYKW	45 C	0510.0	0528.0	25.0	8.0	3.0		
	9395	PEKG	3 S	0516.0	0516.4	2.0	29.0	11.1		
	8800	LEAR	47 GB	0516.1	0516.1	.5	51.0			QL=6 ST=2 TYP=5
	4995	LEAR	8 S	0516.1	0516.3	.7	45.0			QL=6 ST=2 TYP=3
	1000	TYKW	45 C	0518.0	0523.2	17.0	13.0	2.0		
	500	HIRA	45 C	0521.3	0521.6	3.2	13.0	4.0		WL
	2695	LEAR	8 S	0521.6	0521.8	.4	13.0			QL=6 ST=2 TYP=3
	500	HIRA	46 C	0526.8	0529.3	7.0	75.0	15.0		ML
	2695	LEAR	8 S	0527.1	0528.1	1.2	13.0			QL=6 ST=2 TYP=3
	4995	LEAR	8 S	0527.3	0528.1	1.0	25.0			QL=6 ST=2 TYP=3
	610	LEAR	47 GB	0527.6	0528.1	1.0	270.0			QL=6 ST=2 TYP=5
	2000	TYKW	29 PBI	0535.0		20.0	2.0	1.0		
	3750	TYKW	29 PBI	0540.0		10.0	2.0	1.0		
	650	GORK	23 GRF	0603.0E		252.0D	2.0			
	500	HIRA	6 S	0611.6	0612.1	1.0	14.0	5.0		WL
	3100	CRIM	28 PRE	0616.0	0643.1	27.0	5.0	2.0		
	2840	PEKG	28 PRE	0637.0	0733.0	56.0	4.0	3.1		
	500	HIRA		0638.5	0644.9		40.0			WL
	500	HIRA		0638.5	0649.4		100.0			ML
	500	HIRA	42 SER	0638.5	0658.0	48.0	150.0			ML
	500	HIRA		0638.5	0719.8		90.0			ML
	2950	GORK	21 GRF	0639.0U	0701.0	167.0U	12.3	4.8		
	3750	TYKW	45 C	0640.0	0649.2	25.0	101.0	20.0		
	9395	PEKG	28 PRE	0640.0	0730.0	50.0	9.0	1.6		
	2000	TYKW		0641.0	0649.4		36.0			
2000	TYKW	45 C	0641.0	0657.3	20.0	42.0	12.0			
9400	TYKW	28 PRE	0642.0	0645.0	4.0	4.0	2.0			
2840	PEKG	45 C	0642.0	0649.3	18.0	57.6	21.4			
950	GORK	23 GRF	0642.0		308.0	3.0				
9300	KISV	42 SER	0642.5	0649.3	19.0	49.0				
9300	KISV		0642.5	0657.3		26.0				
9100	GORK	21 GRF	0642.5	0703.5	132.0	20.0				
3100	CRIM	3 S	0643.1	0649.1	57.0	91.0	30.0			
2950	GORK	46 C	0643.5	0649.3	17.5	5.8				
2950	GORK		0643.5	0657.4		18.0				
650	GORK	45 C	0644.2	0644.4	1.4	9.0				
650	GORK		0644.2	0645.0		8.5				
9395	PEKG	45 C	0646.0	0649.1	17.8	172.0	35.7			
9400	TYKW	45 C	0646.0	0649.2	16.0	170.0	40.0			
200	GORK	46 C	0647.6	0648.2	4.8	1400.0				
200	HIRA	46 C	0647.6	0649.0	4.0	600.0	278.0		ML	
200	GORK		0647.6	0649.8		1300.0				
9100	GORK	46 C	0647.9	0649.6	14.5	160.0				
9100	GORK		0647.9	0657.4		60.0				
9100	GORK		0647.9	0657.8		57.0				
1000	TYKW	45 C	0648.0	0657.7	15.0	56.0	5.0			
15000	KISV	42 SER	0648.0	0649.1	13.5	96.0				
15000	KISV	42 SER	0648.0	0657.4		62.0				
245	LEAR	49 GB	0648.1	0649.0	2.5	1100.0			QL=6 ST=2 TYP=6	
2695	LEAR	47 GB	0648.1	0649.3	10.4	58.0			QL=6 ST=2 TYP=5	
950	GORK	2 S/F	0648.1	0649.4	4.2	23.0				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

21
Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
04	650	GORK	46 C	0648.2	0649.7	13.5	66.0			
	650	GORK		0648.2	0657.7		1400.0			
	650	GORK		0648.2	0700.0		140.0			
	8800	LEAR	47 GB	0648.3	0649.1	3.5	189.0			QL=6 ST=2 TYP=5
	4995	LEAR	47 GB	0648.3	0649.1	4.0	119.0			QL=6 ST=2 TYP=5
	17000	NOBE	7 C	0648.3	0649.2	15.0	48.0			R
	1415	LEAR	4 S/F	0648.3	0649.3	2.8	23.0			QL=6 ST=2 TYP=3
	100	GORK	46 C	0648.5	0648.6	1.8	11000.0			
	100	GORK		0648.5	0649.0		14000.0			
	410	LEAR	47 GB	0648.5	0649.1	2.3	440.0			QL=6 ST=2 TYP=5
	950	GORK	2 S/F	0655.3	0658.0	3.5	57.0			
	200	GORK	46 C	0655.6	0657.4	6.3	500.0			
	200	GORK		0655.6	0700.2		300.0			
	100	GORK	46 C	0656.0	0656.3	3.2	1300.0			
	100	GORK		0656.0	0657.3		1800.0			
	3100	CRIM	1 S	0657.0	0657.2	15.0	15.0	5.0		
	610	LEAR	49 GB	0657.5	0657.6	.5	1000.0			QL=2 ST=2 TYP=6
	2840	PEKG	29 PBI	0700.0		30.0	7.9	2.5		
	808	ONDR	46 C	0700.0	0703.0	10.0				
	2000	TYKW	30 PBI	0701.0		30.0	5.0	2.0		
	9400	TYKW	30 PBI	0702.0		30.0	19.0	16.0		
	3750	TYKW	30 PBI	0705.0		28.0	11.0	7.0		
	808	ONDR	46 C	0712.0	0713.5	3.0				
	808	ONDR	46 C	0715.0	0719.0	6.0				
	2000	TYKW	5 S	0716.0	0717.4	11.0	1.5	.5		
	410	LEAR	47 GB	0716.6	0721.3	5.4	320.0			QL=6 ST=2 TYP=5
	650	GORK	4 S/F	0720.5	0721.0	1.9	16.0			
	200	GORK	47 GB	0729.6	0737.1	144.0	16400.0			
	200	GORK		0729.6	0743.1		1900.0			
	200	GORK		0729.6	0752.5		3000.0			
	200	GORK		0729.6	0845.5		2400.0			
	9395	PEKG	47 GB	0730.0	0737.2	28.9				
	9400	TYKW	47 GB	0732.0	0737.3	23.0	5130.0	850.0		
	9300	KISV	47 GB	0732.7	0737.0U	20.0U	51.0D			
	2840	PEKG	45 C	0733.0	0737.3	26.0				
	2000	TYKW	47 GB	0733.0	0737.3	21.0D	605.0	130.0D		
	3750	TYKW	47 GB	0733.0	0737.3	22.0	1220.0	250.0		
	9100	GORK	47 GB	0733.0	0737.3	29.0	5370.0			
	9100	GORK		0733.0	0739.1		3300.0			
	9100	GORK		0733.0	0742.6		2520.0			
	2950	GORK	47 GB	0733.2	0737.6	26.8	660.0			
	2950	GORK		0733.2	0739.1		540.0			
	2950	GORK		0733.2	0742.8		425.0			
	113	POTS	49 GB	0733.5	0736.2		21000.0			
	100	GORK	47 GB	0733.7	0736.2	38.0	39000.0			
	100	GORK		0733.7	0750.7		8000.0			
	100	GORK		0733.7	0809.7		13500.0			
	950	GORK	47 GB	0733.9	0737.5	53.0	530.0			
	950	GORK		0733.9	0752.4		1375.0			
	950	GORK		0733.9	0756.4		780.0			
	950	GORK	47 GB	0733.9	0813.8		1375.0			
	950	GORK		0733.9	0819.0		880.0			
	234	POTS	49 GB	0734.0	0742.8		1900.0			
	200	HIRA	46 C	0734.0	0736.0U	25.0D	1200.0U	280.0U		WL, SUNSET
	3000	IZMI	46 C	0734.0	0737.8	552.0	900.0	50.6		
	500	HIRA	48 C	0734.0	0739.9	30.0	7000.0	600.0		SL, SUNSET
	100	HIRA	48 C	0734.1	0735.7	8.0D	8300.0U	2200.0U		SL, SUNSET
	8800	LEAR	49 GB	0734.1	0737.1	28.0	6700.0			QL=6 ST=3 TYP=7
	15000	KISV	47 GB	0734.1	0740.0U	19.5	572.0D			
	80000	NOBE	47 GB	0734.2	0737.2	14.0	1500.0			
	17000	NOBE	47 GB	0734.2	0737.2	14.0	8700.0			R
	35000	NOBE	47 GB	0734.2	0737.2	14.0	6900.0			R
	650	GORK	47 GB	0734.2	0738.7U		560.0D			
	650	GORK		0734.2	0759.2		2200.0			
	650	GORK		0734.2	0804.3		2450.0			
	2695	LEAR	49 GB	0734.3	0737.1	23.0	820.0			QL=6 ST=3 TYP=7
	4995	LEAR	49 GB	0734.3	0737.1	39.5	1899.0			QL=6 ST=3 TYP=7
	33	UPIC	48 C	0734.5	0734.7	6.0				
	30	POTS	49 GB	0734.5	0736.0		26000.0			
	29	UPIC	48 C	0734.5	0736.3	5.9				
	15400	LEAR	49 GB	0734.5	0737.1	31.5	18999.0			QL=6 ST=3 TYP=7

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (W/m ² Hz)	Int	Remarks
04	1415	LEAR	49 GB	0734.5	0737.3	8.1	550.0			QL=6 ST=3 TYP=7
	204	IZMI	46 C	0734.6	0737.2	7.0	8100.0	320.0		
	410	LEAR	49 GB	0734.6	0739.3	5.0	860.0			QL=6 ST=3 TYP=7
	610	LEAR	49 GB	0734.8	0738.3	4.7	1100.0			QL=2 ST=3 TYP=7
	3000	POTS	46 C	0735.0	0737.0	80.0	810.0D			
	9500	POTS	46 C	0735.0	0737.5	60.0	3070.0			
	1470	POTS	46 C	0735.0	0737.9	65.0	415.0			
	245	LEAR	49 GB	0735.3	0737.1	4.0	13999.0			QL=6 ST=3 TYP=7
	204	IZMI	40 F	0740.0	0752.2	35.0	1100.0			
	3100	CRIM	47 GB	0744.0	0747.6	16.0	1163.0	388.0		
	810	KRAK	42 SER	0751.5E	0759.3U	63.0D	360.0D			
	810	KRAK		0751.5E	0804.5U		360.0D			
	810	KRAK		0751.5E	0813.7		360.0D			
	430	KRAK		0751.5E	0919.5		57.0			
	430	KRAK		0751.5E	1026.5		110.0D			
	430	KRAK		0751.5E	1113.5		86.0			
	430	KRAK		0751.5E	1130.0		110.0D			
	430	KRAK		0751.5E	1244.0U		110.0D			
	9400	TYKW	29 PBI	0755.0		10.0D	65.0	50.0D		
	3750	TYKW	29 PBI	0755.0		3.0D	20.0	20.0D		
	9395	PEKG	29 PBI	0758.9		37.1	82.0	14.9		
	2840	PEKG	29 PBI	0759.0		26.0D	13.9	2.5		
	3100	CRIM	3 S	0800.0	0803.0	5.0	52.0	17.0		
	2950	GORK	2 S/F	0817.7	0818.4	1.7	2.3	.8		
	410	LEAR	47 GB	0825.3	0827.5	3.0	440.0			QL=6 ST=2 TYP=5
	9100	GORK	31 ABS	0827.0	0834.7	14.1	-3.5			
	410	LEAR	47 GB	0837.3	0837.3	.3	219.0			QL=6 ST=2 TYP=5
	2950	GORK	1 S	0840.4	0842.3	2.4	1.8	.9		
	9100	GORK	20 GRF	0920.7	0922.4	122.0	10.0			
	9500	POTS	21 GRF	0921.0	0922.2	10.0	11.0			
	9300	KISV	23 GRF	0921.5	0922.4	10.0	10.0			
	2950	GORK	21 GRF	0926.4	1041.4	150.0	5.0	1.9		
	9100	GORK	23 GRF	1004.6	1042.1	146.0D	19.0			
	9500	POTS	45 C	1018.0	1026.0	77.0	1190.0			
	100	GORK	46 C	1019.3	1019.8	1.8	2500.0			
	100	GORK		1019.3	1020.8		1500.0			
	1470	POTS	45 C	1020.0	1025.0	22.0	133.0			
	3000	POTS	45 C	1020.0	1025.8	60.0	740.0			
	2950	GORK	47 GB	1020.0	1027.0U	21.3	39.0D			
	9100	GORK	47 GB	1020.1	1026.2	22.0	1350.0			
	3000	IZMI	45 C	1020.4	1026.0	20.0	225.0	125.0		
	9300	KISV	47 GB	1020.4	1030.0U	21.0	510.0D			
	3100	CRIM	45 C	1021.0	1026.0	23.0	252.0	84.0		
	3100	CRIM		1021.0	1027.0		238.0			
	950	GORK	46 C	1022.9	1025.5	19.0	60.0			
	950	GORK		1022.9	1027.7		90.0			
	950	GORK		1022.9	1034.1		30.0			
	536	ONDR	46 C	1023.0	1023.0	6.5	66.0D			
	19600	BERN	47 GB	1023.4	1026.0	200.0U	167.0			
	11800	BERN	47 GB	1023.4	1026.0	25.0U	376.0			
35000	BERN	47 GB	1023.4	1026.0	20.0U	42.0				
50000	BERN	47 GB	1023.4	1026.0	20.0U	34.0				
19600	BERN	47 GB	1023.4	1026.1	20.0U	1170.0				
50000	BERN	47 GB	1023.4	1026.1	20.0U	1530.0				
15000	KISV	47 GB	1023.4	1026.1	9.0	1303.0				
11800	BERN	47 GB	1023.4	1026.1	25.0U	1580.0				
35000	BERN	47 GB	1023.4	1026.1	20.0U	1000.0				
8400	BERN	47 GB	1023.4	1027.0	25.0U	1560.0				
650	GORK	46 C	1023.5	1028.0	14.7	350.0				
808	ONDR	46 C	1023.5	1028.0	6.5					
650	GORK		1023.5	1034.8		24.0				
810	KRAK	45 C	1023.7	1028.2	14.5	140.0	30.0			
200	GORK	4 S/F	1025.7	1026.8	2.0	3400.0				
204	IZMI	7 C	1025.8	1026.3	2.1	520.0	100.0			
234	POTS	8 S	1025.9	1026.0	1.1	525.0	175.0			
808	ONDR	29 PBI	1030.0	1030.5	10.0					
536	ONDR	29 PBI	1030.5	1030.5	20.0	23.0	5.0			
3100	CRIM	3 S	1033.0	1034.0	2.0	26.0	9.0			
536	ONDR	4 S/F	1033.0	1034.0	4.0	15.0	11.0			
650	GORK	30 PBI	1038.2	1038.2		2.0				
536	ONDR	8 S	1045.0	1045.2	.5	5.0				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

23
Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak 10 ⁻²² W/m ²	Mean 2 Hz		
04	536	ONDR	46 C	1053.0	1054.0	4.5	49.0	34.0		
	810	KRAK	1 S	1053.5	1054.2	1.8	9.0	4.0		
	1470	POTS	4 S/F	1053.5	1054.6	14.0	11.0			
	2950	GORK	1 S	1054.0	1054.4	1.0	1.6	.8		
	536	ONDR	29 PBI	1057.5	1057.5	12.5	5.0	2.0		
	536	ONDR	40 F	1059.0	1105.5	8.5	12.0			
	536	ONDR	46 C	1109.5		9.5	67.0D			
	810	KRAK	41 F	1109.5	1113.5	8.5	11.0	3.0		
	536	ONDR	29 PBI	1119.6	1119.8	14.2	16.0	5.0		
	810	KRAK	1 S	1127.2	1127.5	.8	5.0	2.0		
	536	ONDR	46 C	1132.0	1142.5	12.0	10.0	7.0		
	650	GORK	2 S/F	1138.5	1142.4	7.0	8.0			
	810	KRAK	3 S	1140.8	1142.3	3.5	6.0	3.0		
	9300	KISV	2 S/F	1141.2	1148.0	6.8U	11.0			
	9100	GORK	1 S	1147.5	1148.0	1.9	10.0	5.0		
	9500	POTS	3 S	1147.5	1148.0	2.5	11.0			
	536	ONDR	42 SER	1211.0	1214.5	3.5	27.0			
	3100	CRIM	1 S	1212.0	1214.0	6.0	8.0	2.0		
	9500	POTS	21 GRF	1212.0	1215.8	18.0	12.0			
	3000	POTS	29 PBI	1212.5	1213.7	18.0	10.0			
	9300	KISV	45 C	1212.7	1215.9	13.5	16.0			
	9300	KISV		1212.7	1222.1		15.0			
	9100	GORK	1 S	1215.4	1215.8	1.4	9.5			
	9100	GORK	1 S	1221.2	1222.0	2.9	10.0	5.0		
	536	ONDR	8 S	1224.7	1224.7	.1	4.0			
	536	ONDR	42 SER	1253.0	1253.5	1.0	7.0			
	536	ONDR	8 S	1316.5	1316.5	.1	5.0			
	536	ONDR	4 S/F	1354.5	1355.0	1.3	22.0			
	808	ONDR	1 S	1354.5	1355.1	1.0				
	2800	OTTA	20 GRF	1355.0	1530.0	130.0	2.0	1.7		
	2800	OTTA	8 S	1610.5	1610.9	.7	9.0	4.5		
	2800	OTTA	4 S/F	1648.0	1649.7	6.0	20.0	10.0		
	8800	SGMR	47 GB	1649.1	1649.3		61.0			QL=6 ST=3 TYP=5
	4995	SGMR	47 GB	1649.3	1649.5		52.0			QL=6 ST=3 TYP=5
	2800	OTTA	30 PBI	1654.0	1654.0	70.0	4.2	1.8		
2800	OTTA	22 GRF	1720.0	1723.0	20.0	2.4	1.4			
2800	OTTA	20 GRF	1930.0	1940.0	70.0	2.0	1.0			
500	HIRA	45 C	2211.3	2217.4	14.0	330.0	70.0		ML	
1000	TYKW	45 C	2213.0U	2219.3	9.0U	160.0	15.0U			
200	HIRA	46 C	2214.8	2217.4	3.8	430.0	140.0		WL	
2695	PENT	4 S/F	2215.5	2216.9	5.5	32.0	8.4			
2000	TYKW	45 C	2216.0U	2217.6	4.0U	20.0	6.0U			
100	HIRA	46 C	2216.3	2217.3	1.9	5200.0	800.0		ML	
9400	TYKW	5 S	2309.0	2311.2	7.0	4.0	1.0			
9400	TYKW	5 S	2317.0	2317.7	2.0	3.0	1.0			
500	HIRA	45 C	2341.4	2342.0	2.5	8.0	2.0		WL	
05	410	LEAR	43 NS	0104.0	0106.1	587.00	31.0			QL=6 ST=2 TYP=1
	200	GORK	44 NS	0557.0E		360.00		170.0		
	100	GORK	44 NS	0558.0E		362.00		900.0		
	30	POTS	44 NS	0620.0E	0828.0	530.00	180.0			
	113	POTS	44 NS	0648.0E	0846.5	497.00	1400.0			
	204	IZMI	44 NS	0700.0E		300.00	150.0			
	234	POTS	44 NS	0702.0E	0804.2	481.00	525.0			
	260	ONDR	44 NS	0807.0E		379.00	165.0D			
	430	KRAK	44 NS	0808.0E	0841.0	352.00	30.0	5.0		
	29	UPIC	44 NS	1011.3E	1254.3	318.7D				
	33	UPIC	44 NS	1011.5E	1244.6	318.5D				
	245	SGMR	43 NS	1216.0	1317.6	562.8D	5200.0			QL=6 ST=2 TYP=1
	245	PALE	44 NS	1727.0E	2339.6	640.0D	180.0			QL=6 ST=2 TYP=1
	100	HIRA	44 NS	2136.0E	2300.0	640.0D	1200.0	360.0		0
	200	HIRA	44 NS	2136.0E	2310.0	640.0D	200.0	100.0		ML
	245	LEAR	43 NS	2225.0	0034.8	746.0D	100.0			QL=6 ST=2 TYP=1
	410	LEAR	43 NS	2225.0	0811.1	746.0D	28.0			QL=6 ST=2 TYP=1
	2000	TYKW	28 PRE	0035.0	0040.0	5.0	1.0	.5		
	9395	PEKG	45 C	0036.0	0046.7	26.0	205.0	42.8		
	9395	PEKG		0036.0	0048.4		211.0			
	1000	TYKW	45 C	0038.0	0046.4	26.0	24.0	5.0		
	3750	TYKW	45 C	0038.0	0046.8	30.0	230.0	40.0		
500	HIRA	46 C	0039.6	0054.6	25.0	130.0	20.0		ML	
2000	TYKW	45 C	0040.0	0046.5	26.0	95.0	17.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)			
05	9400	TYKW	45 C	0040.0	0048.4	28.0	190.0	40.0			
	2840	PEKG	45 C	0043.0E	0046.7	26.00	137.0	33.6			
	17000	NOBE	7 C	0043.5	0048.2	12.0	72.0			R	
	15400	PALE	47 GB	0046.0	0048.5	4.1	100.0			QL=6 ST=2 TYP=5	
	410	PALE	47 GB	0046.1	0046.3	.7	139.0			QL=6 ST=2 TYP=5	
	200	HIRA	27 RF	0051.2	0113.0	50.0	210.0	120.0		ML	
	2695	LEAR	4 S/F	0051.8	0052.1	3.5	47.0			QL=6 ST=2 TYP=3	
	4995	LEAR	47 GB	0051.8	0052.1	11.3	77.0			QL=6 ST=2 TYP=5	
	8800	LEAR	47 GB	0051.8	0052.1	2.2	78.0			QL=6 ST=2 TYP=5	
	1415	LEAR	8 S	0051.8	0053.0	1.5	43.0			QL=6 ST=2 TYP=3	
	410	LEAR	47 GB	0051.8	0100.8	11.3	180.0			QL=6 ST=2 TYP=5	
	245	LEAR	49 GB	0051.8	0102.1	11.3	4000.0			QL=6 ST=2 TYP=6	
	610	LEAR	4 S/F	0052.3	0055.3	5.7	41.0			QL=6 ST=2 TYP=3	
	200	HIRA	41 F	0052.4	0102.0	11.0	3800.0			ML	
	9395	PEKG	29 PBI	0102.0		25.0	32.0	9.8			
	1000	TYKW	30 PBI	0104.0		25.0	1.0	.5			
	2000	TYKW	30 PBI	0106.0		42.0	2.5	1.0			
	3750	TYKW	30 PBI	0108.0		30.0	8.0	4.0			
	9400	TYKW	30 PBI	0108.0		30.0	10.0	5.0			
	2840	PEKG	30 PBI	0109.0		45.0	4.5	2.8			
	500	HIRA	42 SER	0114.4	0126.9	13.0	14.0				WL
	2000	TYKW	45 C	0126.0	0126.8	4.0	21.0	1.0			
	2840	PEKG	1 S	0126.0	0127.1	5.0	3.8	1.7			
	3750	TYKW	5 S	0126.0	0127.2	5.0	5.0	1.5			
	1000	TYKW	45 C	0126.5	0127.2	1.5	2.0	.5			
	3750	TYKW	31 ABS	0138.0	0205.0	110.0	-2.0	-1.0			
	9400	TYKW	31 ABS	0138.0	0205.0	170.0	-4.0	-2.0			
	2000	TYKW	31 ABS	0148.0	0255.0	97.0	-2.0	-1.0			
	500	HIRA	8 S	0155.7	0155.9	.5	9.0				WL
	9400	TYKW	45 C	0319.0	0321.0	4.0	4.0	1.0			
	500	HIRA	45 C	0322.0	0330.6	21.0	150.0	20.0			ML
	2000	TYKW	28 PRE	0327.0	0330.5	3.5	1.0	.5			
	2840	PEKG	1 S	0328.0	0330.8	6.0	8.1	2.7			
	3750	TYKW	5 S	0330.0	0330.8	3.0	6.0	2.0			
	200	HIRA	46 C	0330.1	0330.5	2.3	1300.0	318.0			WL
	245	PALE	49 GB	0330.3	0330.6	1.3	740.0				QL=6 ST=2 TYP=6
	410	LEAR	47 GB	0330.3	0330.6	1.5	110.0				QL=6 ST=2 TYP=5
	100	HIRA	46 C	0330.3	0330.7	1.7	12000.0	4400.0			ML
	9400	TYKW	5 S	0330.4	0330.8	2.5	5.0	1.5			
	245	LEAR	49 GB	0330.5	0330.6	1.1	820.0				QL=6 ST=2 TYP=6
	610	LEAR	47 GB	0330.5	0330.6	1.3	110.0				QL=6 ST=2 TYP=5
	1000	TYKW	45 C	0330.5	0330.8	3.5	13.0	3.0			
	2000	TYKW	5 S	0330.5	0330.9	3.5	9.0	3.0			
	1415	LEAR	8 S	0330.6	0330.6	.2	11.0				QL=6 ST=2 TYP=3
	410	PALE	47 GB	0330.6	0330.6	.7	80.0				QL=6 ST=2 TYP=5
	3750	TYKW	5 S	0334.0	0335.6	4.0	1.0	.3			
	2000	TYKW	5 S	0335.0	0335.7	5.0	1.0	0.3			
	9400	TYKW	5 S	0434.0	0436.4	8.0	3.0	1.0			
	500	HIRA	27 RF	0458.5	0508.9	20.0	5.0	3.0			WL
	2000	TYKW	5 S	0520.0	0525.0	15.0	1.0	.5			
3750	TYKW	21 GRF	0533.0	0605.0	125.0	3.0	1.5				
500	HIRA	8 S	0535.6	0535.7	.5	24.0				0	
245	LEAR	8 S	0535.6	0535.8	.4	26.0				QL=6 ST=2 TYP=3	
610	LEAR	8 S	0535.6	0535.8	.5	28.0				QL=6 ST=2 TYP=3	
410	LEAR	8 S	0535.6	0535.8	1.4	19.0				QL=6 ST=2 TYP=3	
2000	TYKW	21 GRF	0537.0	0610.0	120.0	2.0	1.0				
9400	TYKW	45 C	0540.0	0551.3	15.0	11.0	2.0				
2000	TYKW	45 C	0546.0	0546.4	1.0	3.0	.3				
3750	TYKW	5 S	0547.0	0548.4	3.0	4.0	1.5				
2000	TYKW	45 C	0548.0	0548.5	1.5	5.0	.5				
3750	TYKW	45 C	0607.0	0608.0	4.0	3.0	1.0				
950	GORK	22 GRF	0622.1	1104.0U	368.00	5.0					
9400	TYKW	45 C	0625.0	0627.8	5.0	11.0	3.0				
2000	TYKW	20 GRF	0625.0	0635.0	55.0	1.0	.5				
9100	GORK	20 GRF	0625.1	0627.8	58.0	11.0					
100	GORK	46 C	0625.4	0627.7	11.8	4300.0					
100	GORK		0625.4	0627.9		3000.0					
100	GORK		0625.4	0631.9		1200.0					
650	GORK	23 GRF	0625.8	0748.8	216.0	5.5					
3750	TYKW	20 GRF	0626.0	0634.0	55.0	3.0	1.5				
200	GORK	46 C	0626.2	0626.9	2.8	560.0					

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (W/m ² Hz)		
05	9300	KISV	40 F	0626.2	0627.7	3.5	9.0			
	200	GORK		0626.2	0627.9		500.0			
	500	HIRA	42 SER	0627.3	0627.7	12.5	20.0			WL
	650	GORK	41 F	0627.6	0634.2	11.6	4.6			
	650	GORK		0627.6	0636.4		8.4			
	650	GORK		0627.6	0640.0		8.0			
	2950	GORK	20 GRF	0629.2	1020.3	325.0	4.3			
	9400	TYKW	29 PBI	0630.0		20.0	2.0	1.0		
	950	GORK	41 F	0636.0	0636.7	10.0	4.5			
	950	GORK		0636.0	0637.6		11.0			
	950	GORK		0636.0	0638.4		14.0			
	950	GORK		0636.0	0645.7		12.5			
	100	GORK	41 F	0836.5	0839.1	22.0	2700.0			
	100	GORK		0836.5	0849.4		1500.0			
	100	GORK		0836.5	0858.1		200.0			
	9300	KISV	21 GRF	0929.5	0938.3	33.5	26.0			
	9300	KISV		0929.5	0940.8		22.0			
	9100	GORK	21 GRF	0929.7	0940.8	75.0	17.0			
	9100	GORK	45 C	0936.7	0937.8	2.8	12.0			
	9100	GORK	45 C	0936.7	0938.5		16.0			
	9500	POTS	22 GRF	1015.0	1020.0	20.00	7.0			
	9300	KISV	2 S/F	1018.8	1020.0	2.5	7.0			
	9100	GORK	20 GRF	1052.9	1125.2	92.0	5.0			
	3000	POTS	45 C	1230.0	1246.8	95.0	825.00			
	1470	POTS	45 C	1231.0	1246.8	99.0	285.0			
	430	KRAK	49 GB	1232.5	1241.0U	29.0	120.00	60.00		
	930	BORD	45 C	1233.0	1246.0	31.0	182.0	32.0		
	536	ONDR	46 C	1233.5		18.5	60.00			
	113	POTS	49 GB	1233.5	1242.0		1250.0			
	810	KRAK	45 C	1233.5	1245.0	29.5	110.0	25.0		
	30	POTS	49 GB	1233.5	1254.0	32.0	6400.0			
	234	POTS	49 GB	1233.5	1317.5		3600.0			
	9500	POTS	45 C	1234.0	1243.0	93.0	1420.0			
	808	ONDR	46 C	1234.0		28.0				
	19600	BERN	47 GB	1234.0	1244.0	60.00	840.0			
	8800	ATHN	49 GB	1234.0	1244.0	65.0	2600.0			QL=3 ST=2 TYP=6
	8400	BERN	47 GB	1234.0	1244.0	60.00	2300.0			
	4995	ATHN	49 GB	1234.0	1244.0	64.0	2399.0			QL=3 ST=2 TYP=6
	5200	BERN	47 GB	1234.0	1244.0	60.00	1500.00			
	11800	BERN	47 GB	1234.0	1244.0	60.00	1750.0			
	3100	BERN	47 GB	1234.0	1244.0	60.00	1200.00			
	3100	CRIM	47 GB	1234.0	1246.5	50.00	1172.0	390.0		
	2695	ATHN	49 GB	1234.0	1247.0	40.0	1199.0			QL=3 ST=2 TYP=6
	1415	ATHN	47 GB	1234.0	1247.0	36.0	260.0			QL=3 ST=2 TYP=5
	9300	KISV	47 GB	1234.1	1245.0U	21.00	885.00			
	33	UPIC	49 GB	1234.2	1244.6	24.7				
	15000	KISV	28 PRE	1234.5	1236.0	5.0	55.0			
	29	UPIC	49 GB	1234.5	1254.3	25.0				
	15000	KISV	47 GB	1239.3	1244.3	14.5	1989.0			
	35000	BERN	4 S/F	1240.0U	1244.0	30.00	410.0			
50000	BERN	4 S/F	1240.0U	1244.0	30.00	200.0				
260	ONDR	46 C	1240.0	1245.0	9.0	165.00				
610	SGMR	47 GB	1246.1	1246.3	.7	180.0				
4995	SGMR	49 GB	1246.1	1246.3	8.2	1399.0			QL=6 ST=2 TYP=5	
410	SGMR	49 GB	1246.1	1246.3	8.5	550.0			QL=6 ST=2 TYP=6	
8800	SGMR	49 GB	1246.1	1246.3	6.4	1600.0			QL=6 ST=2 TYP=6	
15400	SGMR	47 GB	1246.1	1246.3	3.7	470.0			QL=6 ST=2 TYP=5	
1415	SGMR	47 GB	1246.1	1246.6	6.9	250.0			QL=6 ST=2 TYP=5	
2695	SGMR	49 GB	1246.1	1246.8	8.5	810.0			QL=6 ST=2 TYP=6	
260	ONDR	46 C	1250.0		30.0	165.00				
2800	OTTA		1254.0		16.00	87.0				
536	ONDR	29 PBI	1255.0		25.0	60.00				
245	SGMR	49 GB	1256.3	1300.0	3.7	900.0			QL=6 ST=2 TYP=6	
410	SGMR	47 GB	1256.6	1300.0	3.7	139.0			QL=6 ST=2 TYP=5	
930	BORD	29 PBI	1304.0	1330.8	31.0	6.0	3.0			
2800	OTTA	29 PBI	1310.0	1310.0	90.0	10.2	4.7			
245	SGMR	49 GB	1311.0	1317.6	14.8	5200.0				
2800	OTTA	1 S	1441.7	1443.0	7.0	1.6	.8		QL=6 ST=2 TYP=6	
2800	OTTA	20 GRF	1515.0	1517.5	15.0	1.8	.9			
930	BORD	42 SER	1547.0	1602.0	38.0	42.0	3.0			
2800	OTTA	20 GRF	1840.0	1910.0	80.0	1.6	.9			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
05	2695	PENT	20 GRF	2135.0	2205.0	70.0	2.8	1.0		
	9400	TYKW	21 GRF	2314.0	2317.0	35.0	3.0	1.5		
	3750	TYKW	20 GRF	2315.0	2320.0	35.0	2.0	1.0		
	9400	TYKW	45 C	2330.0	2332.2	6.0	12.0	5.0		
	9400	TYKW	30 PBI	2336.0		10.0	2.0	1.0		
	9400	TYKW	5 S	2341.0	2341.4	3.0	3.0	1.0		
06	200	GORK	44 NS	0549.0E		370.0D		25.0		
	100	GORK	44 NS	0550.0E		370.0D		700.0		
	200	GORK	44 NS	0552.0E		368.0D		10.0		
	30	POTS	44 NS	0645.0E	0829.5	435.0D	3800.0			
	113	POTS	44 NS	0648.0E	0734.5	492.0D	980.0			
	234	POTS	44 NS	0700.0E	0735.0	480.0D	175.0			
	204	IZMI	44 NS	0700.0E		300.0D	240.0			
	29	UPIC	43 NS	0736.5	0810.3	419.0U				
	260	ONDR	44 NS	0810.0E		380.0D	20.0			
	33	UPIC	44 NS	0810.6E	1101.2	439.4D				
	245	SGMR	43 NS	1215.0	1226.0	565.0D	150.0			QL=6 ST=3 TYP=1
	245	PALE	43 NS	1725.0	0314.0	644.0D	160.0			QL=6 ST=3 TYP=1
	410	SGMR	43 NS	1725.3	1728.0	254.7D	64.0			QL=6 ST=1 TYP=1
	410	SGMR	43 NS	1725.3	1728.0		64.0			QL=6 ST=1 TYP=1
	410	LEAR	43 NS	2225.0	2254.6	745.0D	11.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2225.0	2321.1	745.0D	110.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	2345.0	0018.3		19.0			QL=6 ST=3 TYP=1
	410	PALE	43 NS	2345.0	0205.3	264.0D	22.0			QL=6 ST=3 TYP=1
	3750	TYKW	21 GRF	0045.0	0122.0	150.0	4.0	2.0		
	9400	TYKW	5 S	0105.0	0106.3	3.0	4.0	1.5		
	9400	TYKW	20 GRF	0112.0	0120.0	35.0	2.0	1.0		
	2000	TYKW	45 C	0113.0	0117.3	10.0	4.0	1.5		
	2000	TYKW	29 PBI	0123.0		45.0	1.5	.7		
	9400	TYKW	45 C	0210.0	0212.3	6.0	9.0	4.0		
	3750	TYKW	20 GRF	0210.0	0223.0	40.0	4.0	2.0		
	9400	TYKW	30 PBI	0216.0		45.0	4.0	2.0		
	2000	TYKW	5 S	0218.0	0223.0	20.0	1.5	.7		
	9400	TYKW	5 S	0218.5	0219.7	3.5	6.0	2.0		
	3750	TYKW	45 C	0327.0	0339.0	20.0	7.0	4.0		
	2000	TYKW	21 GRF	0330.0	0410.0	120.0	2.0	1.0		
	2000	TYKW	5 S	0336.0	0340.0	18.0	2.0	1.0		
	3750	TYKW	30 PBI	0347.0		125.0	5.0	2.5		
	9400	TYKW	5 S	0347.0	0347.7	2.0	4.0	1.0		
	3750	TYKW	45 C	0351.0	0403.0	24.0	7.0	4.0		
	2840	PEKG	21 GRF	0354.0	0405.9	62.0	3.8	2.2		
	9400	TYKW	20 GRF	0355.0	0407.0	70.0	4.0	2.0		
	3750	TYKW	30 PBI	0415.0		90.0	3.0	1.5		
	3750	TYKW	5 S	0422.0	0427.2	20.0	11.0	3.0		
	2840	PEKG	5 S	0422.0	0427.2	20.0	4.7	2.7		
	2000	TYKW	20 GRF	0425.0	0435.0	40.0	1.0	.5		
	9400	TYKW	5 S	0530.0	0531.0	20.0	2.0	1.0		
	3750	TYKW	45 C	0530.5	0531.0	6.0	2.0	.7		
2950	GORK	20 GRF	0600.0E							
3750	TYKW	28 PRE	0610.0	0615.0	5.0	2.0	1.0			
2000	TYKW	28 PRE	0612.0	0617.0	5.0	1.5	.7			
2840	PEKG	46 C	0614.0	0623.0	19.3					
650	GORK	23 GRF	0614.1	0719.2	238.7	4.0				
3750	TYKW	47 GB	0615.0	0622.0	25.0	2260.0	360.0			
3100	CRIM	47 GB	0615.0	0622.0	25.0	1850.0	616.0			
17000	NOBE	47 GB	0616.1	0622.2	15.4	11000.0			R	
2950	GORK	47 GB	0616.4	0620.6	23.4	1270.0				
4995	LEAR	49 GB	0616.5	0621.8	53.6	4200.0			QL=6 ST=2 TYP=7	
1000	TYKW	47 GB	0617.0	0621.7	35.0	1350.0	130.0			
2000	TYKW	47 GB	0617.0	0621.8	30.0	1020.0	160.0			
9395	PEKG	47 GB	0617.0	0622.5	15.0	4479.0	1201.0			
9400	TYKW	47 GB	0617.0	0622.7	25.0	5960.0	940.0			
9100	GORK	47 GB	0617.1	0622.0	12.6	6000.0				
9100	GORK		0617.1	0623.2		6000.0				
950	GORK	47 GB	0617.4	0621.6	53.6	1384.0				
950	GORK		0617.4	0658.0		36.0				
950	GORK		0617.4	0704.5		38.0				
950	GORK		0617.4	0708.2		67.0				
8800	LEAR	49 GB	0617.5	0621.8	57.6	8800.0			QL=6 ST=2 TYP=7	
9300	KISV	47 GB	0617.9	0622.0U	13.0U	510.0D				

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (W/m ² Hz)		
06	2695	LEAR	49 GB	0618.1	0622.6	45.2	1300.0			QL=6 ST=2 TYP=7
	1415	LEAR	49 GB	0618.3	0621.8	25.7	1399.0			QL=6 ST=2 TYP=7
	650	GORK	47 GB	0618.3	0622.0	52.9	2900.0			
	15000	K1SV	47 GB	0618.3	0622.2	8.0	13654.0			
	650	GORK		0618.3	0623.9		1440.0			
	650	GORK		0618.3	0631.0		410.0			
	650	GORK		0618.3	0658.1		50.0			
	650	GORK		0618.3	0708.2		55.0			
	15400	LEAR	49 GB	0618.5	0622.1	50.6	26000.0			QL=6 ST=2 TYP=7
	500	HIRA	48 C	0618.6	0622.0	52.0	5500.0	150.0		SL
	500	HIRA		0618.6	0704.0		300.0			SL
	500	HIRA		0618.6	0709.5		210.0			SL
	35000	NOBE	47 GB	0618.7	0622.2	8.8	9760.0			R
	80000	NOBE	47 GB	0618.7	0622.2	8.8	1980.0			
	200	HIRA	48 C	0619.0	0621.3	100.00	6500.0	148.00		WL, SUNSET
	200	HIRA		0619.0	0634.2		950.0			ML
	200	HIRA		0619.0	0657.5		2400.0			ML
	200	HIRA		0619.0	0708.6		3300.0			ML
	245	LEAR	49 GB	0619.1	0620.8	56.0	6200.0			QL=6 ST=2 TYP=7
	100	HIRA	48 C	0619.1	0621.3	100.00	90000.0	900.00		WL, SUNSET
	100	GORK	47 GB	0619.1	0621.4	91.0	38000.0			
	610	LEAR	49 GB	0619.1	0621.6	51.9	990.0			QL=6 ST=2 TYP=7
	200	GORK	47 GB	0619.1	0622.0	52.6	20800.0			
	410	LEAR	49 GB	0619.1	0624.3	32.7	3500.0			QL=6 ST=2 TYP=7
	100	GORK		0619.1	0628.6		2200.0			
	100	HIRA		0619.1	0631.7		1200.0			WL
	100	GORK		0619.1	0631.7		5500.0			
	200	GORK		0619.1	0634.5		2380.0			
	200	GORK		0619.1	0658.0		6600.0			
	200	GORK		0619.1	0704.4		6270.0			
	100	GORK		0619.1	0705.6		900.0			
	100	HIRA		0619.1	0708.7		2700.0			ML
	200	GORK		0619.1	0708.8		9200.0			
	35000	NOBE	29 PBI	0627.5	0627.5	24.0	240.0			O
	80000	NOBE	29 PBI	0627.5	0627.5	24.0	560.0			
	9100	GORK	29 PBI	0629.7	0630.2	360.0	150.0			
	17000	NOBE	29 PBI	0631.5	0631.5	20.0	220.0			R
	9395	PEKG	29 PBI	0632.0		51.0	119.5	45.1		
	2840	PEKG	30 PBI	0633.3		72.7	51.4	9.3		
	3750	TYKW	30 PBI	0640.0		65.0	45.0	19.0		
	3100	CRIM	29 PBI	0640.0	0640.0	80.0	52.0	14.0		
	9400	TYKW	29 PBI	0642.0		80.00	75.0	25.00		
	2000	TYKW	30 PBI	0647.0		55.00	16.0	9.00		
	1000	TYKW	30 PBI	0652.0		20.00	3.0	2.00		
	1000	TYKW	45 C	0655.5	0658.1	5.0	26.0	5.0		
	2950	GORK	1 S	0657.5	0658.0	1.4	2.2			
	2000	TYKW	45 C	0657.5	0658.1	2.5	8.0	2.0		
	3750	TYKW	5 S	0657.8	0658.2	2.0	5.0	1.5		
	3000	IZMI	7 C	0700.0	0703.4	13.0	28.0	14.0		
	1000	TYKW		0703.0	0704.2		34.0			
3750	TYKW	5 S	0703.0	0704.5	3.0	7.0	2.0			
2000	TYKW	45 C	0703.0	0704.5	3.0	13.0	5.0			
2840	PEKG	45 C	0703.0	0708.3	10.0	12.4	3.2			
1000	TYKW	45 C	0703.0	0708.3	9.0	53.0	12.0			
2950	GORK	3 S	0703.3	0704.5	2.6	7.0				
204	IZMI	45 C	0703.3	0709.9	8.2	4300.0	1300.0			
100	GORK		0705.6	0710.1		800.0				
2000	TYKW	30 PBI	0706.0		25.0	2.0	1.0			
2950	GORK	45 C	0706.9	0708.3	4.0	9.0				
2950	GORK		0706.9	0709.1		9.3				
3750	TYKW	45 C	0707.0	0709.1	5.0	9.0	4.0			
2000	TYKW	45 C	0707.0	0709.5	5.0	18.0	6.0			
950	GORK	29 PBI	0711.0	0711.0	26.0	4.0				
3000	POTS	20 GRF	0807.5	0813.5	14.0	7.0				
950	GORK	22 GRF	0807.5	0813.5	47.9	3.0				
3000	IZMI	7 C	0807.8	0818.6	12.5	7.0	3.0			
1470	POTS	40 F	0810.0	0813.0	7.5	19.0				
2950	GORK	4 S/F	0810.2	0813.1	8.9	4.8				
650	GORK	2 S/F	0810.3	0814.6	5.3	4.0				
204	IZMI	5 S	1101.0	1101.3	.4	350.0	150.0			
808	ONDR	40 F	1154.8	1157.5	5.5					

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
06	536	ONDR	46 C	1234.0		73.0D				
	536	ONDR	46 C	1234.0	1236.0					
	536	ONDR	46 C	1234.0	1244.0					
	536	ONDR	46 C	1234.0	1252.0					
	536	ONDR	29 PBI	1303.0		17.0	60.0D			
	930	BORD	8 S	1303.6	1303.7	.2	22.0	2.0		
	2800	OTTA	21 GRF	1400.0	1435.0	100.0	4.2	2.2		
	2800	OTTA	24OAR	1400.0	1545.0	105.0	2.0	1.0		
	1470	POTS	21 GRF	1405.0	1410.5	10.0	5.0			
	3000	POTS	20 GRF	1407.0	1410.4	8.0	4.0			
	930	BORD	8 S	1508.1	1508.3	.4	10.0	2.0		
	2800	OTTA	1 S	1527.7	1527.7	1.5	2.0	1.0		
	2800	OTTA	3 S	1725.0	1726.1	3.0	10.8	5.2		
	2800	OTTA	30 PBI	1728.0	1728.0	140.0	3.0	1.5		
	2800	OTTA	20 GRF	1733.0	1743.0	30.0	3.4	1.2		
	2800	OTTA	20 GRF	1822.0	1825.5	20.0	2.8	1.0		
	2800	OTTA	21 GRF	1905.0	1925.0	30.0	4.2	2.1		
2800	OTTA	1 S	1916.0	1917.0	7.0	5.6	1.9			
500	HIRA	6 S	2223.0	2223.6	2.3	5.0	3.0		WL	
07	200	HIRA	44 NS	0028.0E	0030.0	300.0D	100.0	70.0		ML
	100	HIRA	44 NS	0028.0E	0040.0	300.0D	160.0	80.0		ML
	200	GORK	44 NS	0554.0E		368.0D		30.0		
	100	GORK	44 NS	0555.0E		365.0D		20.0		
	68	POTS	44 NS	0628.0E	0642.0	522.0D	650.0			
	113	POTS	44 NS	0650.0E	1221.0	499.0D	180.0			
	204	IZMI	44 NS	0700.0E		300.0D	30.0			
	234	POTS	44 NS	0710.0E	1339.0	476.0D	215.0			
	260	ONDR	44 NS	0815.0E		365.0D	8.0			
	245	SGMR	44 NS	1214.0E	1225.1	567.0D	189.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	1725.0	0314.0	644.0D	160.0			QL=6 ST=2 TYP=1
	245	PALE	43 NS	1725.0	1815.8	644.0D	67.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2135.0E	2238.0	300.0D	10.0	6.0		WL
	245	LEAR	43 NS	2226.0	2303.1	744.0D	13.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	2345.0	0205.3	264.0D	22.0			QL=6 ST=2 TYP=1
	3750	TYKW	21 GRF	0012.0	0018.0	40.0	1.5	.7		
	2000	TYKW	32 ABS	0037.0	0130.0	90.0	-2.0	-1.0		
	3750	TYKW	31 ABS	0052.0	0132.0	75.0	-2.0	-1.0		
	3750	TYKW	5 S	0133.0	0133.2	1.0	9.0	3.0		
	3750	TYKW	30 PBI	0134.0		12.0	1.5	.7		
	3750	TYKW	45 C	0137.0	0137.2	1.0	3.0	1.0		
	3750	TYKW	20 GRF	0207.0	0210.0	40.0	1.5	.7		
	2000	TYKW	45 C	0207.0	0210.3	23.0	3.0	1.5		
	2000	TYKW	29 PBI	0230.0		40.0	1.0	.5		
	15400	LEAR	47 GB	0306.1	0306.1	.4	62.0			QL=6 ST=2 TYP=5
	17000	NOBE	8 S	0306.1	0306.2	.3	63.0			R
	15400	PALE	8 S	0306.1	0306.3	.4	55.0			QL=5 ST=2 TYP=3
	3750	TYKW	45 C	0325.0	0328.5	10.0	7.0	4.0		
	9400	TYKW	20 GRF	0326.0	0335.0	35.0	3.0	1.5		
	3750	TYKW	30 PBI	0335.0		15.0	1.0	.5		
	2000	TYKW	32 ABS	0335.0	0430.0	110.0	-1.0	-.5		
	3750	TYKW	31 ABS	0350.0	0435.0	105.0	-2.0	-1.0		
	3750	TYKW	5 S	0402.8	0403.1	1.0	4.0	1.0		
	9400	TYKW	5 S	0414.5	0414.8	2.5	4.0	1.5		
	650	GORK	21 GRF	0651.0E		255.0D	4.0			
	3750	TYKW	21 GRF	0700.0	0735.0	50.0D	4.0	2.0D		
	2950	GORK	21 GRF	0705.2U	1106.0	346.0U	35.0			
	3750	TYKW	45 C	0728.0	0728.8	2.0	9.0	2.0		
	3000	IZMI	1 S	0728.5	0728.6	1.7	5.0	2.5		
	2000	TYKW	45 C	0728.5	0728.8	1.5	2.0	.5		
	2950	GORK	2 S/F	0728.5	0729.0	1.3	5.7			
	650	GORK	1 S	0738.4	0739.9	1.7	3.0			
650	GORK	1 S	0744.1	0744.3	.4	4.0	2.0			
100	GORK	8 S	0813.2	0813.4	.6	300.0				
430	KRAK	4 S/F	0829.5	0830.5U	2.5	60.0	30.0			
810	KRAK	8 S	0836.5	0836.5	.1	47.0				
200	GORK	27 RF	0904.4	0930.0	39.3	45.0	25.0			
3000	POTS	46 C	0905.0		310.0U	800.0D				
950	GORK	23 GRF	0906.0	0945.5U	135.0	4.0				
930	BORD	28 PRE	0907.0	0953.4	65.0	53.0	6.0			
1470	POTS	46 C	0908.0	1027.4	242.0	600.0				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

29
Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (10 ⁻²² W/m ² Hz)	Int	Remarks
07	430	KRAK	4 S/F	0914.0	0916.2	3.5	90.0	2.0		
	1470	POTS	40 F	0933.0	0933.2	1.4	9.0			
	650	GORK	1 S	0933.8	0934.4	1.3	3.0			
	9500	POTS	46 C	0940.0	1027.0	260.00	1590.0			
	950	GORK	46 C	0945.5	0953.5	22.2	41.0			
	950	GORK		0945.5	0954.5		41.0			
	950	GORK		0945.5	0955.9		31.0			
	808	ONDR	28 PRE	0947.0	0953.5	26.0				
	430	KRAK	45 C	0947.0	0956.3	19.0	40.0	8.0		
	810	KRAK	45 C	0947.8	0955.0	14.5	26.0	9.0		
	9100	GORK	21 GRF	0948.0		180.00				
	650	GORK	4 S/F	0949.0	0954.6	12.1	41.0			
	650	GORK		0949.0	0956.0		43.0			
	650	GORK		0949.0	0957.2		41.0			
	536	ONDR	28 PRE	0950.0	0953.3	21.0	59.0	21.0		
	1415	ATHN	4 S/F	0950.0	0957.0	12.0	20.0			QL=6 ST=2 TYP=3
	1470	POTS	40 F	0951.0	0956.9	10.0	25.0			
	1415	LEAR	4 S/F	0951.1	0953.1	8.0	28.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0951.8	0953.3	1.7	21.0			QL=6 ST=2 TYP=3
	610	LEAR	4 S/F	0953.0	0954.3	5.6	48.0			QL=2 ST=2 TYP=3
	9300	KISV	28 PRE	0953.0	1012.5	20.0	6.0			
	2695	LEAR	8 S	0953.1	0953.8	.7	11.0			QL=6 ST=2 TYP=3
	234	POTS	49 GB	1002.0	1017.5	68.0	3200.0			
	200	GORK	47 GB	1002.7	1019.6U	46.3	23400.00			
	113	POTS	49 GB	1006.0	1021.0		980.0			
	650	GORK	1 S	1006.3	1006.9	1.0	2.5			
	260	ONDR	46 C	1010.0		22.0	45.0			
	536	ONDR	46 C	1011.0		19.0	504.00			
	430	KRAK	49 GB	1011.0		54.5U	110.00	40.00		
	950	GORK	47 GB	1011.2	1017.7	44.9	880.0			
	650	GORK	47 GB	1011.4	1018.8	47.6	820.0			
	650	GORK		1011.4	1021.4		900.0			
	33	UPIC	49 GB	1011.7		30.4U				
	2950	GORK	47 GB	1011.7	1030.0	27.0	1853.0			
	30	POTS	49 GB	1012.0	1019.0	41.0	28000.0			
	930	BORD	47 GB	1012.0	1017.8	64.0	881.0	110.0		
	930	BORD		1012.0	1018.7		628.0			
	2695	ATHN	49 GB	1012.0	1026.0	39.0	3199.0			QL=6 ST=3 TYP=6
	930	BORD		1012.0	1026.2		365.0			
	1415	ATHN	49 GB	1012.0	1027.0	39.0	1199.0			QL=6 ST=2 TYP=6
	29	UPIC	49 GB	1012.2	1018.9	33.6				
	810	KRAK	49 GB	1012.5	1017.0U	55.0	300.00	100.00		
	204	IZMI	47 GB	1012.8		18.8	9000.0			
	808	ONDR	46 C	1013.0	1015.5	9.0				
	4995	ATHN	49 GB	1013.0	1023.0	43.0	3500.0			QL=6 ST=3 TYP=6
	5200	BERN	47 GB	1013.0	1023.5	75.0U	2670.0			
	3100	BERN	47 GB	1013.0	1023.5	75.0U	1400.00			
	8400	BERN	47 GB	1013.0	1024.1	75.0U	2450.0			
	9300	KISV		1013.0	1024.1		2080.0			
	35000	BERN	47 GB	1013.0	1024.3	75.0U	770.0			
	19600	BERN	47 GB	1013.0	1026.9	75.0U	1160.0			
	8800	ATHN	49 GB	1013.0	1027.0	43.0	3600.0			QL=6 ST=2 TYP=6
	9300	KISV	47 GB	1013.0	1027.0	44.0	2100.0			
	100	GORK	46 C	1013.2	1014.3	37.5	6000.0			
	100	GORK		1013.2	1018.2		3200.0			
	9100	GORK	47 GB	1013.2	1018.3	30.8	920.0			
	100	GORK		1013.2	1022.2		2000.0			
	100	GORK		1013.2	1026.5		2000.0			
	3100	CRIM	47 GB	1013.5						
	3000	IZMI	45 C	1013.5	1019.9	57.8	1800.0	900.0		
	15000	KISV		1013.5	1024.2		1575.0			
	15000	KISV	47 GB	1013.5	1027.4	45.0	1680.0			
	9100	GORK		1021.6			1150.0			
	808	ONDR	29 PBI	1022.5	1025.5	37.0				
	9100	GORK		1024.3			2000.0			
	9100	GORK		1027.1			2027.0			
	536	ONDR	29 PBI	1030.0		35.0	122.0	100.0		
	260	ONDR	29 PBI	1032.0	1041.5	40.0	71.0			
	204	IZMI	21 GRF	1032.0	1044.0	16.2	320.0	100.0		
	9300	KISV	29 PBI	1054.0	1057.0	55.0	35.0			
	15000	KISV	29 PBI	1058.0	1058.0	53.0	92.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
07	3100	CRIM	29 PBI	1100.0	1100.0		62.0			
	430	KRAK	42 SER	1114.5	1135.0U	113.5	110.0D			
	430	KRAK		1114.5	1147.5U		110.0D			
	430	KRAK		1114.5	1150.8U		110.0D			
	430	KRAK		1114.5	1304.5U		110.0D			
	810	KRAK	8 S	1157.5	1157.5	.1	13.0			
	2800	OTTA	20 GRF	1720.0	1815.0	110.0	1.6	.9		
	2800	OTTA	20 GRF	2030.0	2038.0	25.0	1.2	.6		
	9400	TYKW	5 S	2236.0	2237.2	3.0	4.0	1.0		
	9400	TYKW	45 C	2327.0	2327.8	4.0	5.0	1.0		
3750	TYKW	5 S	2327.3	2327.8	1.5	1.0	.3			
08	200	GORK	44 NS	0556.0E		364.0D		30.0		
	245	PALE	44 NS	1816.0E	1844.8	294.0D	24.0			QL=6 ST=2 TYP=1
	9400	TYKW	5 S	0011.5	0011.9	1.0	6.0	2.0		
	9400	TYKW	5 S	0136.0	0136.6	1.0	6.0	3.0		
	9400	TYKW	29 PBI	0137.0		8.0	2.0	1.0		
	500	HIRA	8 S	0137.3	0137.4	.4	12.0			0
	9400	TYKW	5 S	0239.0	0239.9	3.0	18.0	5.0		
	9395	PEKG	3 S	0239.0	0239.9	5.0	19.0	6.3		
	3750	TYKW	5 S	0239.3	0239.9	1.5	1.5	.5		
	8800	LEAR	8 S	0239.6	0239.8	.5	28.0			QL=6 ST=2 TYP=3
	9400	TYKW	29 PBI	0242.0		20.0	2.0	1.0		
	9400	TYKW	20 GRF	0405.0	0424.0	55.0	3.0	1.5		
	3750	TYKW	20 GRF	0410.0	0420.0	40.0	1.0	.5		
	3750	TYKW	20 GRF	0557.0	0617.0	100.0	2.0	1.0		
	2840	PEKG	1 S	0609.0	0610.0	17.0	2.8	1.1		
	2000	TYKW	20 GRF	0609.0	0615.0	80.0	2.0	1.0		
	2950	GORK	20 GRF	0609.5	0613.5	102.0	2.9			
	9400	TYKW	20 GRF	0610.0	0620.0	40.0	2.0	1.0		
	2950	GORK	20 GRF	0824.0	1000.0	141.0	2.2			
	2800	OTTA	22 GRF	1617.0	1635.0	150.0	2.4	1.0		
9400	TYKW	5 S	2353.0	2355.4	7.0	2.0	1.0			
09	29	UPIC	44 NS	0700.0E		510.0D				
	33	UPIC	44 NS	0700.0E		510.0D				
	260	ONDR	43 NS	1200.0	1205.5	32.0	3.0			
	245	PALE	43 NS	1806.0	2204.5	602.0D	200.0			QL=6 ST=2 TYP=1
	245	LEAR	43 NS	2227.0	1041.3	742.0D	100.0			QL=6 ST=2 TYP=1
	200	HIRA	44 NS	2342.0E	0108.0	490.0D	85.0	40.0		MR
	100	HIRA	44 NS	2342.0E	0711.0	490.0D	70.0	25.0		SR
	650	GORK	2 S/F	0650.8	0651.3	.7	6.0			
	100	GORK	47 GB	0705.6	0708.9		1300.0			
	9100	GORK	20 GRF	0741.4	0746.8	8.3	3.5			
	9300	KISV	2 S/F	0741.5	0743.1	2.5	6.0			
	430	KRAK	8 S	1121.2	1121.5	.8	11.0D			
	2800	OTTA	240 R	1645.0	1720.0	35.0	2.0	1.0		
	2800	OTTA	20 GRF	1745.0	1750.0	25.0	1.0	.5		
	9400	TYKW	21 GRF	2315.0	2319.0	30.0	3.0	1.5		
	3750	TYKW	5 S	2315.0	2319.0	15.0	3.0	1.0		
	9400	TYKW	5 S	2339.0	2339.4	2.0	3.0	1.0		
10	100	GORK	44 NS	0600.0E		360.0D		40.0		
	113	POTS	44 NS	0643.0E	0935.0	517.0D	200.0			
	68	POTS	44 NS	0647.0E	1003.0	506.0D	925.0			
	234	POTS	44 NS	0654.0E	1337.0	497.0D	66.0			
	204	IZMI	44 NS	0700.0E		300.0D	50.0			
	260	ONDR	44 NS	0804.0E	1154.0	401.0D	35.0			
	245	SGMR	43 NS	1323.0			56.0			QL=6 ST=3 TYP=1
	245	PALE	43 NS	1723.0	2107.8	648.0D	320.0			QL=6 ST=2 TYP=1
	410	PALE	43 NS	1755.5	2013.6	615.5D	130.0			QL=6 ST=2 TYP=1
	610	PALE	43 NS	1808.0	2013.0	277.0	110.0			QL=6 ST=3 TYP=1
	100	HIRA	44 NS	2131.0E	2307.0	640.0D	1000.0	140.0		SR
	200	HIRA	44 NS	2131.0E	2307.0	640.0D	220.0	80.0		MR
	245	LEAR	43 NS	2228.0	2237.1	740.0D	310.0			QL=6 ST=2 TYP=1
	410	LEAR	43 NS	2228.0	2237.5	740.0D	23.0			QL=6 ST=2 TYP=1
	9400	TYKW	20 GRF	0025.0	0100.0	120.0	4.0	2.0		
	3750	TYKW	21 GRF	0025.0	0100.0	165.0	4.0	2.0		
	2000	TYKW	21 GRF	0025.0	0108.0	85.0	2.0	1.0		
500	HIRA	27 RF	0052.0	0127.7	100.0	5.0	3.0		WR	
500	HIRA	42 SER	0055.6	0058.9	35.0	26.0			MR	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
10	2000	TYKW	31 ABS	0150.0	0340.0	240.0	-3.0	-1.5		
	1000	TYKW	32 ABS	0225.0	0340.0	140.0	-1.0	-.5		
	9400	TYKW	32 ABS	0250.0	0345.0	130.0	-2.0	-1.0		
	3750	TYKW	31 ABS	0310.0	0345.0	100.0	-3.0	-1.5		
	500	HIRA	8 S	0402.3	0402.3	.1	7.0			WR
	500	HIRA	8 S	0507.3	0507.4	.1	6.0			0
	610	LEAR	8 S	0507.5	0507.6	.3	25.0			QL=6 ST=2 TYP=3
	410	LEAR	8 S	0507.5	0507.6	.3	71.0			QL=6 ST=2 TYP=3
	3750	TYKW	32 ABS	0510.0	0540.0	110.0	-1.5	-0.7		
	2950	GORK	21 GRF	0633.0U	0721.0	173.0U	6.5			
	650	GORK	2 S/F	0650.1	0650.3	1.1	1.6			
	9100	GORK	20 GRF	0704.0	0812.0	185.0	11.0			
	4995	ATHN	4 S/F	0708.0	0714.0	23.0	8.0			QL=6 ST=2 TYP=3
	8800	ATHN	4 S/F	0708.0	0720.0	23.0	34.0			QL=6 ST=2 TYP=3
	3750	TYKW	45 C	0709.0	0717.0	9.0	8.0	4.0		
	9400	TYKW	21 GRF	0709.0	0725.0	50.0D	12.0	8.0D		
	3100	CRIM	1 S	0709.0	0717.0	11.0	9.0	3.0		
	9300	KISV	20 GRF	0709.1	0717.1	60.0D	15.0			
	15000	KISV	20 GRF	0710.1	0725.5	60.0D	11.0			
	2950	GORK	4 S/F	0712.0U	0716.7	7.0U	3.7			
	2000	TYKW	45 C	0713.0	0717.0	7.0	3.0	1.5		
	1415	ATHN	4 S/F	0713.0	0714.0	15.0	3.0			QL=6 ST=2 TYP=3
	9400	TYKW	45 C	0714.0	0717.0	12.0	3.0	1.0		
	950	GORK	1 S	0715.0	0715.0	.7	1.7			
	950	GORK	1 S	0716.3	0716.5	1.2	3.9			
	650	GORK	45 C	0716.8	0717.1	1.1	3.6			
	650	GORK		0716.8	0718.8		4.5			
	3750	TYKW	29 PBI	0718.0		30.0	4.0	2.0		
	3100	CRIM	29 PBI	0719.0	0720.0	60.0	5.0	2.0		
	2000	TYKW	29 PBI	0720.0		20.0	1.5	.7		
	9400	TYKW	5 S	0743.0	0743.9	5.0	6.0	2.0		
	100	GORK	41 F	0831.6	0832.9	36.5	150.0			
	100	GORK		0831.6	0840.3		200.0			
	100	GORK		0831.6	0850.7		130.0			
	100	GORK		0831.6	0907.3		150.0			
	650	GORK	1 S	0854.2	0854.4	.3	2.0			
	650	GORK	22 GRF	0928.8	0957.0	150.0U	3.5			
	536	ONDR	8 S	1003.0U	1003.0U	.1U	10.0			
	9100	GORK	20 GRF	1045.0	1224.0	105.0D	11.0			
	100	GORK	46 C	1047.3	1047.8	3.0	750.0			
	100	GORK		1047.3	1048.8		350.0			
	2950	GORK	21 GRF	1122.7	1204.0	60.0D	6.5			
	3100	CRIM	21 GRF	1130.0	1202.0	100.0D	8.0			
	3100	CRIM	1 S	1145.0	1152.0	8.0	5.0	2.0		
	950	GORK	2 S/F	1149.3	1151.6	4.2	4.1			
	2950	GORK	4 S/F	1149.7	1151.7	3.4	5.2			
	2800	OTTA	20 GRF	1547.0	1635.0	125.0	4.0	1.8		
	2800	OTTA	28 PRE	1935.0	2016.5	43.0	23.0			
	610	SGMR	47 GB	2012.6	2013.1		79.0			QL=6 ST=1 TYP=5
	610	SGMR	47 GB	2012.6	2014.0		119.0			QL=6 ST=1 TYP=5
410	SGMR	47 GB	2013.6	2014.8		57.0			QL=6 ST=1 TYP=5	
410	SGMR	47 GB	2013.6	2021.3		239.0			QL=6 ST=1 TYP=5	
410	SGMR	47 GB	2013.6	2021.3		230.0			QL=6 ST=1 TYP=5	
410	PALE	47 GB	2017.3	2019.6	19.0	460.0			QL=6 ST=2 TYP=5	
2800	OTTA	47 GB	2018.0	2023.5	47.0	850.0	209.0			
1415	SGMR	47 GB	2019.1	2023.1		360.0			QL=6 ST=1 TYP=5	
1415	SGMR	47 GB	2019.1	2024.1		370.0			QL=6 ST=1 TYP=5	
2695	SGMR	49 GB	2020.3	2023.3		730.0			QL=6 ST=1 TYP=6	
2695	SGMR	49 GB	2020.3	2023.3		740.0			QL=6 ST=1 TYP=6	
4995	SGMR	49 GB	2020.5	2023.1		720.0			QL=6 ST=1 TYP=6	
245	PALE	49 GB	2020.6	2024.3	27.0	1100.0			QL=1 ST=2 TYP=6	
8800	SGMR	49 GB	2020.8	2022.6		790.0			QL=6 ST=1 TYP=6	
15400	SGMR	47 GB	2021.1	2022.6		440.0			QL=6 ST=1 TYP=5	
15400	PALE	47 GB	2021.1	2022.6	21.2	480.0			QL=6 ST=2 TYP=5	
610	PALE	47 GB	2023.8	2024.1	1.3	239.0			QL=6 ST=2 TYP=5	
2800	OTTA	29 PBI	2105.0	2105.0	165.0	21.0	9.4			
9400	TYKW	20 GRF	2230.0E	2230.0U	110.0D	14.0	6.0D			
2000	TYKW	20 GRF	2230.0E	2230.0U	115.0D	8.0	4.0D			
3750	TYKW	20 GRF	2230.0E	2230.0U	110.0D	8.0	4.0D			
500	HIRA	8 S	2231.3	2231.4	.1	140.0			MR	
11	200	GORK	44 NS	0557.0E		360.0D		55.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
11	100	GORK	44 NS	0600.0E		360.0D		60.0		
	113	POTS	44 NS	0640.0E	1214.0	513.0D		400.0		
	234	POTS	44 NS	0654.0E	1157.5	496.0D		190.0		
	204	IZMI	44 NS	0700.0E		300.0D		50.0		
	260	ONDR	44 NS	0805.0E	1044.0	3000.0D		96.0		
	430	KRAK	44 NS	0835.0E	1143.3	211.5D		17.0	4.0	
	33	UPIC	43 NS	1045.9	1142.7	203.9				
	29	UPIC	43 NS	1045.9	1234.4	172.3U				
	536	ONDR	43 NS	1048.0	1109.5	122.5		17.0		
	30	POTS	44 NS	1125.0E	1159.0	155.0D		110.0		
	245	SGMR	44 NS	1208.0E	1253.3	523.0D		270.0		QL=6 ST=2 TYP=1
	245	PALE	43 NS	1724.0	2052.3	647.0D		87.0		QL=6 ST=2 TYP=1
	100	HIRA	44 NS	2131.0E	0056.0	640.0D		55.0	25.0	SR
	200	HIRA	44 NS	2131.0E	0238.0	640.0D		30.0	20.0	MR
	245	LEAR	43 NS	2228.0	0813.3	740.0D		400.0		QL=6 ST=2 TYP=1
	410	PALE	43 NS	2255.0	0319.1	316.0D		37.0		QL=6 ST=2 TYP=1
	3750	TYKW	21 GRF	0032.0	0055.0	145.0		4.0	2.0	
	9400	TYKW	21 GRF	0034.0	0055.0	130.0		4.0	2.0	
	9400	TYKW	5 S	0038.0	0039.7	4.0		3.0	1.0	
	2000	TYKW	21 GRF	0040.0	0055.0	120.0		1.5	.7	
	2840	PEKG	21 GRF	0041.0	0105.0	84.0		4.4	2.9	
	3750	TYKW	5 S	0047.0	0047.7	4.0		2.0	.5	
	9400	TYKW	45 C	0048.0	0050.7	5.0		3.0	1.0	
	9395	PEKG	21 GRF	0048.0	0105.0	82.0		21.7	12.0	
	9395	PEKG	3 S	0058.0	0059.1	3.0		39.5	10.7	
	2840	PEKG	1 S	0058.0	0059.2	7.0		10.0	4.5	
	3750	TYKW	45 C	0058.0	0100.1	20.0		25.0	4.0	
	9400	TYKW	45 C	0059.0	0100.0	23.0		20.0	5.0	
	9400	TYKW		0059.0	0110.2			10.0		
	2000	TYKW	45 C	0059.5	0102.0	10.5		4.0	1.5	
	17000	NOBE	21 GRF	0059.6	0100.0	60.0		10.0		0
	2000	TYKW	29 PBI	0110.0		80.0		1.0	.5	
	3750	TYKW	29 PBI	0118.0		65.0		3.0	1.5	
	9400	TYKW	29 PBI	0122.0		40.0		4.0	2.0	
	9400	TYKW	45 C	0330.0	0335.5	10.0		47.0	17.0	
	2840	PEKG	45 C	0330.0	0336.2	20.0		18.8	10.6	
	2000	TYKW		0330.0	0336.4			8.0		
	3750	TYKW	45 C	0330.0	0336.4	90.0		26.0	14.0	
	2000	TYKW	45 C	0330.0	0344.8	90.0		11.0	8.0	
	3750	TYKW		0330.0	0356.4			19.0		
	2000	TYKW		0330.0	0416.0			10.0		
	2000	TYKW		0330.0	0434.0			10.0		
	3750	TYKW		0330.0	0434.2			17.0		
	9395	PEKG	45 C	0333.0E	0336.5	7.0D		49.0	27.1	
	8800	LEAR	47 GB	0333.1	0336.5	25.0		55.0		QL=6 ST=2 TYP=5
	17000	NOBE	21 GRF	0334.5	0335.4	110.0		14.0		L
	4995	LEAR	4 S/F	0334.5	0336.3	26.1		28.0		QL=6 ST=2 TYP=3
	1000	TYKW	21 GRF	0335.0	0455.0	190.0		4.0	2.0	
	15400	LEAR	8 S	0335.1	0336.6	2.0		21.0		QL=6 ST=2 TYP=3
	2695	LEAR	8 S	0335.6	0336.0	.5		15.0		QL=6 ST=2 TYP=3
9400	TYKW	30 PBI	0340.0		110.0		20.0	10.0		
1000	TYKW	45 C	0340.0	0344.4	10.0		3.0	.5		
9395	PEKG	29 PBI	0340.0	0356.1	122.0		23.7	12.6		
2840	PEKG	29 PBI	0350.0	0432.9	106.0D		17.5	13.3		
9400	TYKW	5 S	0354.0	0356.7	6.0		6.0	2.0		
9400	TYKW	20 GRF	0430.0	0446.0	50.0		4.0	2.0		
2000	TYKW	30 PBI	0500.0		160.0D		8.0	6.0D		
3750	TYKW	29 PBI	0500.0		70.0		8.0	4.0		
500	HIRA	8 S	0626.0	0626.0	.6		15.0		WR	
9395	PEKG	20 GRF	0630.0	0638.0	53.0		10.0	4.8		
2000	TYKW	20 GRF	0630.0	0640.0	65.0		2.0	1.0		
2950	GORK	21 GRF	0630.6U	0651.0	124.0U		5.1			
2840	PEKG	20 GRF	0631.0	0638.5	45.0		2.6	1.9		
9400	TYKW	20 GRF	0631.0	0641.0	80.0		6.0	3.0		
3750	TYKW	20 GRF	0631.0	0643.0	70.0		4.0	2.0		
3100	CRIM	20 GRF	0632.0	0641.0	35.0		4.0	1.0		
9100	GORK	20 GRF	0632.0	0650.5	85.0		9.0			
3100	CRIM	26 FAL	0720.0	0800.0			7.0			
650	GORK	22 GRF	0758.5		115.0U		3.5			
2950	GORK	1 S	0824.8	0825.6	1.0		1.7			
9300	KISV	1 S	0825.0	0825.5	2.5		10.0			

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

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Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)		
11	▲	9100	GORK	1 S	0825.0	0825.6	1.7	8.0		
	650	GORK	23 GRF	1024.6E		35.0D	8.0			
	2950	GORK	23 GRF	1044.1	1133.0	136.0D	6.6			
	650	GORK	46 C	1048.0	1049.3	12.4	4.6			
	650	GORK		1048.0	1051.7		6.0			
	650	GORK		1048.0	1054.1		11.5			
	650	GORK		1048.0	1056.5		4.6			
	650	GORK		1048.0	1059.7		5.4			
	930	BORD	40 F	1048.0	1142.0	144.0	101.0	8.0		
	204	IZMI	27 RF	1100.0	1157.3	60.0	300.0	150.0		
	650	GORK	46 C	1102.4	1103.7	3.6	23.0			
	650	GORK		1102.4	1104.7		45.0			
	950	GORK	23 GRF	1103.0	1154.0	117.0D	7.5			
	950	GORK	1 S	1104.5	1104.7		.8			
	808	ONDR	40 F	1104.5	1124.0	38.5	7.5			
	9100	GORK	20 GRF	1107.2	1142.9	87.0	8.6			
	100	GORK	27 RF	1110.0		50.0D				
	200	GORK	27 RF	1110.2		50.0D				
	1470	POTS	42 SER	1115.0	1143.0U	140.0	105.0			
	950	GORK	46 C	1121.9	1124.9	11.0	24.5			
	950	GORK		1121.9	1127.0		25.0			
	950	GORK		1121.9	1130.8		26.0			
	1415	ATHN	47 GB	1122.0	1124.0	12.0	58.0			QL=1 ST=2 TYP=5
	650	GORK	46 C	1122.2	1123.9	10.1	18.5			
	650	GORK		1122.2	1127.5		30.0			
	650	GORK		1122.2	1131.7		13.5			
	2950	GORK	2 S/F	1129.7	1130.8	2.5	2.6			
	650	GORK	40 F	1133.4	1136.4	9.8	6.0			
	650	GORK		1133.4	1141.9		6.5			
	1415	ATHN	47 GB	1134.0	1143.0	10.0	130.0			QL=1 ST=2 TYP=5
	2950	GORK	2 S/F	1135.2	1135.5	1.6	3.9			
	2950	GORK	1 S	1139.0	1139.3	1.0	3.9			
	2950	GORK	45 C	1140.5	1142.1	2.8	7.9			
	2950	GORK		1140.5	1142.8		6.3			
	950	GORK	46 C	1141.3	1141.9	2.0	61.0			
	950	GORK		1141.3	1142.8		41.0			
	650	GORK	40 F	1203.2	1210.9	29.8	3.5			
	650	GORK	40 F	1203.2	1214.0		35.0			
	650	GORK		1203.2	1232.1		2.5			
	2950	GORK	4 S/F	1206.1	1210.3	5.5	2.3			
950	GORK	2 S/F	1210.1	1210.5	1.1	17.0				
2950	GORK	1 S	1230.7	1232.1	1.8	2.6				
950	GORK	2 S/F	1231.5	1232.2	1.3	8.0				
950	GORK	4 S/F	1233.4	1234.9	2.1	25.0				
650	GORK	4 S/F	1234.0	1234.4	1.3	15.0	7.5			
808	ONDR	40 F	1234.0	1235.0	4.5					
2950	GORK	1 S	1234.1	1234.5	1.0	3.6				
2950	GORK	4 S/F	1239.7	1240.6	2.5	3.3				
2950	GORK	4 S/F	1248.7	1252.6	5.5	2.9				
808	ONDR	40 F	1250.0	1251.0	1.0					
950	GORK	4 S/F	1250.1	1250.8	1.0	67.0				
234	POTS	4 S/F	1311.9	1312.4	1.6	220.0	45.0			
1470	POTS	40 F	1415.0	1417.3	12.0	4.0				
2800	OTTA	260 FAL	1520.0	1755.0	155.0	-10.2	-5.2			
2695	PENT	240 R	2120.0	2150.0	30.0	3.4	1.7			
3750	TYKW		2255.0	2313.3		19.0				
3750	TYKW	45 C	2255.0	2324.5	45.0	21.0	9.0			
2695	PENT	21 GRF	2255.0	2330.0	60.0D	10.6				
9400	TYKW		2257.0	2315.2		29.0				
9400	TYKW	45 C	2257.0	2324.5	58.0	36.0	15.0			
2000	TYKW	45 C	2300.0	2314.3	40.0	9.0	3.0			
2000	TYKW		2300.0	2329.6		6.0				
2695	PENT	1 S	2311.5	2313.0	5.0	6.0	3.0			
1000	TYKW	45 C	2312.7	2313.2	4.0	9.0	1.0			
2695	PENT	40 F	2320.0	2324.5	8.0	5.2				
1000	TYKW	45 C	2324.0	2326.8	10.0	6.0	1.0			
2000	TYKW	30 PBI	2340.0		60.0	3.0	1.5			
3750	TYKW	30 PBI	2340.0		60.0	8.0	4.0			
9400	TYKW	30 PBI	2355.0		35.0	10.0	5.0			
12	▼	200	GORK	44 NS	0542.0E	378.0D		15.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 ⁻²² W/m ² Hz)	Mean (W/m ² Hz)			
12	100	GORK	44 NS	0542.0E		378.0D		20.0			
	113	POTS	44 NS	0650.0E	1221.5	497.0D	30.0				
	410	LEAR	43 NS	0650.1	0715.3	237.9D	16.0			QL=6 ST=2 TYP=1	
	234	POTS	44 NS	0651.0E	1217.0	494.0D	38.0				
	204	IZMI	44 NS	0700.0E		300.0D	30.0				
	260	ONDR	44 NS	0750.0E	1132.5	372.0D	64.0				
	245	SGMR	43 NS	1207.0	2009.3	581.0D	139.0			QL=6 ST=2 TYP=1	
	245	PALE	43 NS	1723.0	1824.3	643.0D	150.0			QL=6 ST=2 TYP=1	
	200	HIRA	44 NS	2129.0E	0400.0	640.0D	175.0	75.0		MR	
	100	HIRA	44 NS	2129.0E	0400.0	640.0D	230.0	150.0		SR	
	410	LEAR	43 NS	2229.0	0359.3	738.0D	17.0			QL=6 ST=2 TYP=1	
	2000	TYKW	5 S	0029.7	0029.9	0.7			1.0		
	9400	TYKW	31 ABS	0030.0	0140.0	150.0	-8.0		-4.0		
	3750	TYKW	31 ABS	0040.0	0120.0	135.0	-3.0		-1.5		
	2000	TYKW	31 ABS	0040.0	0210.0	130.0	-1.0		-.5		
	500	HIRA	42 SER	0240.0	0319.2	51.0			9.0	WR	
	9400	TYKW	32 ABS	0309.0	0400.0	185.0	-4.0		-2.0		
	3750	TYKW	32 ABS	0325.0	0400.0	125.0	-2.0		-1.0		
	9395	PEKG	45 C	0333.0	0334.9	5.0			22.2		
	2000	TYKW	32 ABS	0335.0	0400.0	110.0	-1.0		-.5		
	500	HIRA	42 SER	0405.0	0428.9	49.0			16.0	0	
	9100	GORK	20 GRF	0850.1	0901.5	53.4			4.3		
	930	BORD	41 F	0938.3	0938.8	1.3			21.0	3.0	
	9100	GORK	20 GRF	1027.0	1133.3	83.0D			8.6		
	8800	ATHN	47 GB	1044.0	1044.0	1.0			85.0		
	2950	GORK	20 GRF	1057.0	1102.3	51.0			1.6	QL=1 ST=2 TYP=5	
	8800	ATHN	4 S/F	1059.0	1104.0	9.0			36.0	QL=1 ST=2 TYP=3	
	2800	OTTA	22 GRF	1310.0	1355.0	185.0			4.2	2.1	
	2800	OTTA	240 R	1700.0	1710.0	10.0			2.8	1.0	
	2800	OTTA	21 GRF	1715.0	1725.0	50.0			3.2	1.0	
	2800	OTTA	1 S	1722.0	1723.0	2.0			4.2	1.4	
	2800	OTTA	240 R	1825.0	1835.0	10.0			1.6	.8	
	2800	OTTA	20 GRF	1935.0	2120.0	220.0D			6.2		
	3750	TYKW	5 S	2327.0	2327.7	2.0			3.0	1.5	
	3750	TYKW	29 PBI	2329.0		20.0			2.0	1.0	
	13	200	GORK	44 NS	0539.0E		384.0D		15.0		
		100	GORK	44 NS	0540.0E		380.0D		30.0		
		113	POTS	44 NS	0640.0E	0711.0	5120.0D	100.0			
		234	POTS	44 NS	0650.0E	0716.5	495.0D	52.0			
		68	POTS	44 NS	0650.0E	0751.5	504.0D	1200.0			
204		IZMI	44 NS	0700.0E		300.0D	20.0				
260		ONDR	43 NS	1026.5		94.5			14.0		
245		SGMR	43 NS	1205.0	1529.0	585.0D	84.0			QL=1 ST=2 TYP=1	
245		PALE	43 NS	1727.0	0350.1	644.0D	230.0			QL=6 ST=2 TYP=1	
200		HIRA	44 NS	2128.0E	0600.0	640.0D	20.0		8.0	0	
245		LEAR	43 NS	2229.0	0330.1	738.0D	189.0			QL=6 ST=2 TYP=1	
9400		TYKW	21 GRF	0100.0	0205.0	330.0	12.0		6.0		
3750		TYKW	21 GRF	0100.0	0205.0	400.0	10.0		5.0		
2000		TYKW	21 GRF	0100.0	0210.0	380.0	4.0		2.0		
9400		TYKW	45 C	0102.0	0113.7	35.0	8.0		2.0		
3750		TYKW	45 C	0105.0	0115.2	25.0	4.0		1.0		
2000		TYKW	45 C	0108.0	0115.2	20.0	2.0		.7		
2840		PEKG	21 GRF	0157.0	0314.9	229.0	12.5		4.3		
3750		TYKW	21 GRF	0217.0	0338.0	250.0	10.0		5.0		
9395		PEKG	21 GRF	0219.0	0254.6	151.0	24.2		19.0		
2000		TYKW	21 GRF	0220.0	0310.0	240.0	4.0		2.0		
2000		TYKW	28 PRE	0224.0	0227.7	9.5	2.0		1.0		
3750		TYKW	28 PRE	0225.0	0227.4	8.0	2.0		1.0		
9400		TYKW	45 C	0225.0	0234.3	65.0	15.0		8.0D		
1000		TYKW	21 GRF	0225.0	0240.0	100.0	1.5		.7		
9400		TYKW		0225.0	0255.0U		15.0				
1000		TYKW	5 S	0226.7	0227.5	2.0	1.5		.5		
2840		PEKG	46 C	0233.0	0234.3	27.0	11.2		4.5		
9395		PEKG	3 S	0233.0	0234.3	2.0	13.0		10.4		
3750		TYKW		0233.0	0234.5		14.0				
3750	TYKW	45 C	0233.0	0255.4	26.0	19.0		4.0			
2840	PEKG		0233.0	0255.5		19.1					
2000	TYKW	5 S	0233.5	0234.3	3.5	6.0		3.0			
1000	TYKW	45 C	0233.6	0234.4	1.5	33.0		3.0			
2695	LEAR	8 S	0234.0	0234.1	.3	13.0			QL=6 ST=2 TYP=3		

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (10 ⁻²² W/m ² Hz)		
13	4995	LEAR	8 S	0234.1	0234.5	.5	15.0			QL=6 ST=2 TYP=3
	2000	TYKW	30 PBI	0237.0		25.0	3.0	1.5		
	2000	TYKW		0240.0	0243.3		3.0			
	1000	TYKW	5 S	0240.5	0242.3	5.5	2.0	.5		
	2000	TYKW	45 C	0240.5	0255.4	20.0	7.0	1.5		
	1000	TYKW	45 C	0247.0	0255.2	12.0	3.0	1.0		
	500	HIRA	42 SER	0249.0	0254.9	9.0	15.0			WR
	3750	TYKW	29 PBI	0259.0		25.0	3.0	1.5		
	245	PALE	47 GB	0303.6	0303.8	.5	189.0			QL=6 ST=2 TYP=5
	1000	TYKW	45 C	0310.0	0310.4	1.0	6.0	.7		
	2000	TYKW	28 PRE	0313.0	0323.0	12.0	4.0	1.0		
	1000	TYKW	45 C	0314.4	0314.8	3.0	1.0	.3		
	2000	TYKW	45 C	0325.0	0325.5	2.0	24.0	4.0		
	2000	TYKW	30 PBI	0327.0		50.0	1.5	.7		
	9400	TYKW	29 PBI	0330.0		80.0	8.0	4.0		
	2000	TYKW		0331.0	0331.9		4.0			
	2000	TYKW	45 C	0331.0	0336.9	10.0	5.0	.7		
	1000	TYKW	45 C	0335.0	0337.8	7.0	2.0	.5		
	2000	TYKW	45 C	0346.0	0350.5	9.0	4.0	.5		
	500	HIRA	27 RF	0353.0	0357.2	45.0	9.0	2.0		WR
	3750	TYKW	45 C	0452.0	0453.2	2.0	2.0	.5		
	9400	TYKW	5 S	0452.5	0453.3	1.5	8.0	2.0		
	9400	TYKW	29 PBI	0454.0		30.0	2.0	1.0		
	9100	GORK	20 GRF	0513.0	0536.0U	200.0	12.0			
	2950	GORK	20 GRF	0624.0E	0625.0	315.0D	9.7			
	3750	TYKW	20 GRF	0655.0	0658.0	30.0	2.0	1.0		
	3100	CRIM	26 FAL	0710.0	1200.0		12.0			
	650	GORK	20 GRF	0730.9	0739.3	20.6	3.0			
	430	KRAK	7 C	1240.7	1241.0	3.8	10.0	4.0		
	2800	OTTA	21 GRF	1315.0	1328.0	205.0	4.0	2.0		
	2800	OTTA	20 GRF	1350.0	1355.0	30.0	2.4	1.2		
	2800	OTTA	20 GRF	1440.0	1445.0	30.0	2.4	1.4		
	15400	SGMR	49 GB	1604.6	1604.8		470.0			QL=6 ST=1 TYP=7
	2695	SGMR	49 GB	1604.6	1605.3		189.0			QL=6 ST=1 TYP=7
	8800	SGMR	49 GB	1604.6	1606.1		1600.0			QL=6 ST=1 TYP=7
	410	SGMR	49 GB	1604.6	1607.3		2199.0			QL=6 ST=1 TYP=7
	4995	SGMR	49 GB	1604.6	1607.6		380.0			QL=6 ST=1 TYP=7
	610	SGMR	49 GB	1604.6	1607.8		77.0			QL=6 ST=1 TYP=7
	1415	SGMR	49 GB	1604.6	1608.6		110.0			QL=6 ST=1 TYP=7
	2800	OTTA	21 GRF	1715.0	1721.0	25.0	2.0	.7		
	2800	OTTA	2 S/F	1718.7	1719.0	1.3	1.8			
	2800	OTTA	20 GRF	1750.0	1815.0	65.0	2.0	1.0		
	2800	OTTA	20 GRF	1920.0	1935.0	25.0	1.0	.5		
	2800	OTTA	27 RF	1950.0		90.0	2.0	1.6		
	2800	OTTA	24 R	1950.0	2010.0	20.0	2.0	1.5		
2800	OTTA	24P R	2010.0		55.0	2.0				
2800	OTTA	26 FAL	2105.0	2120.0	15.0	-2.0	-1.5			
3750	TYKW	28 PRE	2311.0	2311.9	4.0	1.5	.5			
3750	TYKW	5 S	2315.0	2315.5	4.0	125.0	18.0			
2695	PENT	3 S	2315.0	2315.5	47.0	107.0	17.8			
9400	TYKW	5 S	2315.0	2315.5	2.0	58.0	10.0			
2000	TYKW	5 S	2315.0	2315.6	5.0	57.0	13.0			
1000	TYKW	45 C	2315.0U	2315.6	10.0U	37.0	4.0			
2695	LEAR	47 GB	2315.1	2315.5	1.9	110.0			INTERFERENCE	
4995	LEAR	47 GB	2315.1	2315.5	1.5	100.0			QL=6 ST=2 TYP=5	
1415	LEAR	47 GB	2315.1	2315.5	1.7	57.0			QL=6 ST=2 TYP=5	
500	HIRA	8 S	2315.2	2315.4	.3	100.0			WL	
8800	LEAR	47 GB	2315.3	2315.3	.5	67.0			QL=6 ST=2 TYP=5	
610	LEAR	47 GB	2315.3	2315.3	.3	58.0			QL=2 ST=2 TYP=5	
2695	PALE	47 GB	2315.3	2315.5	.7	98.0			QL=2 ST=2 TYP=5	
1415	PALE	47 GB	2315.3	2315.5	.5	67.0			QL=2 ST=2 TYP=5	
4995	PALE	47 GB	2315.3	2315.5	.5	110.0			QL=2 ST=2 TYP=5	
9400	TYKW	29 PBI	2317.0		15.0	2.0	1.0			
3750	TYKW	29 PBI	2319.0		50.0	2.0	1.0			
2000	TYKW	29 PBI	2320.0		45.0	1.0	.5			
14	200	GORK	44 NS	0530.0E		390.0D		20.0		
	100	GORK	44 NS	0530.0E		390.0D		10.0		
	68	POTS	44 NS	0640.0E	1459.0	504.0D	440.0			
	234	POTS	44 NS	0651.0E	1338.0	491.0D	37.0			
	113	POTS	44 NS	0655.0E	1359.0	489.0D	70.0			

SOLAR RADIO EMISSION
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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
14	204	IZMI	44 NS	0700.0E		300.0D	50.0			
	260	ONDR	44 NS	0820.0E	1000.0	356.0D	161.0D			
	245	PALE	43 NS	1907.0	2327.6	544.0D	50.0			QL=6 ST=3 TYP=1
	200	HIRA	44 NS	2127.0E	0714.0	640.0D	48.0	8.0		WR
	500	HIRA	8 S	0002.0	0002.0	.3	320.0			WL
	2000	TYKW	20 GRF	0030.0	0100.0	140.0	1.0	.5		
	3750	TYKW	20 GRF	0030.0	0130.0	140.0	2.0	1.0		
	9400	TYKW	20 GRF	0034.0	0100.0	130.0	2.0	1.0		RAIN
	500	HIRA	42 SER	0244.0	0316.0	36.0	25.0			WR
	2950	GORK	1 S	0705.3	0708.0	8.5	1.7			
	2950	GORK	1 S	0721.4	0721.6	.8	1.0			
	950	GORK	20 GRF	0749.5	0751.0	21.2	1.3			
	650	GORK	23 GRF	0830.0	1006.0	203.0D	14.0			
	430	KRAK	27 RF	0838.5	0956.5	131.0	60.0	11.0		
	3100	CRIM	28 PRE	0858.0	0904.0	6.0	2.0	1.0		
	3000	POTS	45 C	0901.0		334.0	720.0D			
	930	BORD	45 C	0901.0	0911.9	15.0	273.0	61.0		
	2950	GORK	47 GB	0901.5	0921.6	180.0D	148.6			
	234	POTS	49 GB	0902.0	0919.0	160.0	85.0			
	810	KRAK	45 C	0902.5	0911.5	92.0	110.0	20.0		
	950	GORK	47 GB	0903.0	0912.0	63.0	280.0			
	430	KRAK	48 C	0903.5	0910.0U	14.0	180.0D	70.0		
	430	KRAK		0903.5	0915.5U		180.0D			
	9100	GORK	21 GRF	0903.7	1028.7	207.0D	66.0			
	3100	CRIM	47 GB	0904.0	0940.4		1321.0D			
	204	IZMI	3 S	0904.2	0904.3	.5	50.0	25.0		
	1470	POTS	45 C	0905.0	0939.6	295.0	535.0			
	808	ONDR	46 C	0905.0		75.0				
	536	ONDR	46 C	0905.0	0910.5	18.0	54.0			
	808	ONDR		0905.0	0911.5					
	808	ONDR		0905.0	0941.5					
	200	GORK	4 S/F	0905.2	0911.2	6.0	3400.0	1000.0		
	3000	IZMI	47 GB	0905.6	0921.8	79.3	1380.0			
	113	POTS	49 GB	0906.0	0917.5	152.0	320.0			
	35000	BERN	47 GB	0906.0	0921.0	120.0D	540.0			
	19600	BERN	47 GB	0906.0	0921.0	120.0D	990.0			
	11800	BERN	47 GB	0906.0	0921.0	120.0D	2680.0			
	8800	ATHN	49 GB	0906.0	0921.0	84.0	4300.0			QL=6 ST=3 TYP=6
	4995	ATHN	49 GB	0906.0	0921.0	84.0	9400.0			QL=6 ST=3 TYP=6
	50000	BERN	3 S	0906.0	0921.0	120.0D	290.0U			
	2695	ATHN	49 GB	0906.0	0921.0	84.0	2100.0			QL=6 ST=3 TYP=6
	8400	BERN	47 GB	0906.0	0921.0	120.0D	3600.0			
3100	BERN	47 GB	0906.0	0921.0	120.0D	1500.0D				
5200	BERN	47 GB	0906.0	0921.0	120.0D	2250.0				
1415	ATHN	49 GB	0906.0	0921.0	84.0	670.0			QL=6 ST=3 TYP=6	
650	GORK	46 C	0906.5	0910.7	59.5	95.0				
9300	KISV		0906.5	0912.6		1792.0				
650	GORK		0906.5	0912.7		75.0				
15000	KISV	47 GB	0906.5	0920.9	34.0	1895.0				
9500	POTS	45 C	0906.5	0921.0	291.0	2150.0				
9300	KISV	47 GB	0906.5	0921.0	35.5	3545.0				
650	GORK		0906.5	0941.5		50.0				
9100	GORK	47 GB	0906.6	0921.0	82.0	2980.0				
100	GORK	41 F	0907.5	0917.6	46.0	14500.0				
100	GORK		0907.5	0932.6		1100.0				
100	GORK		0907.5	0949.4		800.0				
204	IZMI	25 R	0908.7	0953.0	65.2	180.0	90.0			
204	IZMI	41 F	0910.6	0911.5	.9	500.0				
33	UPIC	48 C	0911.7	0919.0	15.1					
29	UPIC	48 C	0911.7	0919.3	17.8					
30	POTS	49 GB	0914.5	0920.5	98.0	8800.0				
930	BORD	29 PBI	0916.0	0941.0	104.0	152.0	51.0			
536	ONDR	46 C	0922.5	0941.5	57.5	37.0				
9300	KISV	29 PBI	0936.0	0936.0	28.0	983.0				
15000	KISV	29 PBI	0940.4	0940.4	29.0	442.0				
950	GORK	29 PBI	1006.0	1006.0	144.0D	29.0				
3100	CRIM	29 PBI	1030.0	1030.0	90.0	63.0	31.0			
430	KRAK	42 SER	1125.5	1127.3	111.0D	180.0D				
430	KRAK		1125.5	1134.5U		180.0D				
430	KRAK		1125.5	1204.3U		180.0D				
430	KRAK		1125.5	1206.5U		180.0D				

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Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (2 Hz)	Int	Remarks
14	430	KRAK		1125.5	1211.0U		180.0D			
		KRAK		1125.5	1243.5U		180.0D			
	930	BORD	41 F	1309.0	1312.0	7.0	111.0	4.0		
	2800	OTTA	26A FAL	1315.0	1600.0	165.0	-12.6	-6.0		
	930	BORD	46 C	1544.0	1545.2	5.0	81.0	6.0		
	2800	OTTA	4 S/F	1544.2	1545.2	5.0	20.4	5.2		
	245	SGMR	47 GB	1544.6	1544.8	.5	100.0			QL=6 ST=3 TYP=5
	410	SGMR	47 GB	1544.8	1544.8	.2	90.0			QL=6 ST=3 TYP=5
	2800	OTTA	20 GRF	1630.0	1700.0	80.0	1.8	1.2		
	2800	OTTA	260 FAL	1845.0	1940.0	55.0	-3.8	-2.5		
15	610	LEAR	43 NS	0503.0	0907.3	343.0D	24.0			QL=2 ST=2 TYP=1
	200	GORK	44 NS	0535.0E		395.0D		40.0		
	100	GORK	44 NS	0537.0E		383.0D		5.0		
	40	POTS	44 NS	0620.0E	0738.0	270.0D	300.0			
	234	POTS	44 NS	0651.0E	1059.0	289.0D	80.0			
	204	IZMI	44 NS	0700.0E		300.0D	50.0			
	113	POTS	44 NS	0710.0E	0727.0	220.0D	20.0			
	430	KRAK	44 NS	0800.0E	0954.3	151.0D	19.0	4.0		
	260	ONDR	44 NS	0820.0E	1000.0	356.0D	161.0D			
	33	UPIC	43 NS	0840.0		347.0				
	29	UPIC	43 NS	0840.1		329.0				
	500	HIRA	8 S	0056.0	0056.1	.3	29.0	15.0		0
	9400	TYKW	20 GRF	0125.0	0140.0	65.0	2.0	1.0		
	3750	TYKW	20 GRF	0127.0	0143.0	75.0	1.5	.7		
	245	LEAR	47 GB	0300.1	0300.6	.5	71.0			QL=6 ST=2 TYP=5
	3750	TYKW	21 GRF	0322.0	0338.0	80.0	1.0	.5		
	500	HIRA	42 SER	0402.4	0402.5	11.0	90.0			0
	3750	TYKW	5 S	0412.0	0413.0	2.5	1.5	.5		
	9400	TYKW	5 S	0412.0	0413.1	2.5	3.0	1.0		
	9395	PEKG	3 S	0456.0	0457.1	5.0	35.0	6.0		
	2000	TYKW	45 C	0501.0	0501.8	7.0	56.0	10.0		
	1000	TYKW	45 C	0501.0	0501.9	11.0	82.0	7.0		
	3750	TYKW	45 C	0501.3	0501.6	7.0	91.0	11.0		
	500	HIRA	46 C	0501.5	0501.7	1.6	30.0	10.0		0
	2695	LEAR	47 GB	0501.5	0501.8		61.0			QL=6 ST=1 TYP=5
	9400	TYKW	45 C	0501.5	0502.0	3.5	31.0	7.0		
	410	LEAR	47 GB	0501.6	0501.8		98.0			QL=6 ST=1 TYP=5
	1415	LEAR	47 GB	0501.6	0501.8		119.0			QL=6 ST=1 TYP=5
	4995	LEAR	47 GB	0501.6	0501.8		72.0			QL=6 ST=1 TYP=5
	8800	LEAR	8 S	0501.6	0501.8		45.0			QL=6 ST=1 TYP=3
	200	HIRA	8 S	0501.6	0501.8	.3	190.0			0
	610	LEAR	8 S	0501.6	0502.1		40.0			QL=2 ST=1 TYP=3
	9400	TYKW	29 PBI	0505.0		10.0	2.0	1.0		
	2000	TYKW	29 PBI	0508.0		5.0	1.0	.5		
	2000	TYKW	5 S	0528.0	0528.7	2.0	1.5	.5		
	3750	TYKW	5 S	0528.0	0528.7	2.0	4.0	1.0		
	1000	TYKW	5 S	0528.5	0528.8	1.5	1.5	.5		
	650	GORK	22 GRF	0539.0E	0721.0	267.0D	9.5			
	100	GORK	41 F	0619.8	0620.4	11.7	25.0D			
	100	GORK		0619.8	0622.6		25.0D			
	100	GORK		0619.8	0629.4		25.0D			
	3750	TYKW	21 GRF	0625.0	0650.0	95.0U	2.0	1.0U		
	2000	TYKW	45 C	0635.0	0639.2	7.0	1.5	.5		
	500	HIRA	8 S	0636.7	0637.0	.4	210.0			WR
	2000	TYKW	21 GRF	0645.0	0648.0	60.0	1.5	.7		
	2950	GORK	3 S	0653.3	0655.3	3.4	3.2	1.6		
	1000	TYKW	45 C	0654.5	0655.3	2.5	18.0	3.0		
	2000	TYKW	5 S	0654.5	0655.5	3.0	3.0	1.0		
	3750	TYKW	5 S	0654.5	0655.5	3.0	3.0	1.0		
	950	GORK	4 S/F	0654.6	0655.3	1.7	10.0			
650	GORK	2 S/F	0654.6	0655.4	1.0	4.5				
3100	CRIM	1 S	0654.8	0655.3	3.0	2.0	.5			
650	GORK	2 S/F	0700.0	0700.7	1.0	4.3				
3750	TYKW	20 GRF	0705.0	0730.0	55.0D	4.0	2.5D			
9400	TYKW	20 GRF	0705.0	0740.0	40.0D	8.0	4.0D			
9100	GORK	21 GRF	0713.8	0840.3	168.0	8.0	5.0			
100	GORK	41 F	0716.5	0718.1	8.3	20.0D				
100	GORK		0716.5	0724.4		300.0				
200	HIRA	8 S	0724.0	0724.2	.5	1200.0			0	
234	POTS	4 S/F	0724.0	0724.3	1.0	1150.0	200.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (W/m ² Hz)		
15	113	POTS	4 S/F	0724.1	0724.3	.9	175.0	15.0		
	245	LEAR	49 GB	0724.3	0724.3	.5	570.0			QL=6 ST=2 TYP=6
	204	IZMI	4 S/F	0724.3	0724.4	.6	1650.0	400.0		
	200	GORK	4 S/F	0724.3	0724.4	.8	3500.0			
	9100	GORK	1 S	0724.3	0724.6	.6	4.4	2.2		
	234	POTS	4 S/F	0825.4	0826.0	.9	1450.0	150.0		
	430	KRAK	8 S	0825.7	0825.7	.1	60.0			
	810	KRAK	8 S	0825.7	0825.7	.1	20.0			
	410	LEAR	49 GB	0825.8	0825.8		670.0			QL=6 ST=2 TYP=6
	245	LEAR	49 GB	0825.8	0825.8	.2	350.0			QL=6 ST=2 TYP=6
	200	GORK	41 F	0825.8	0825.8	20.6	5500.0			
	610	LEAR	4 S/F	0825.8	0825.8		20.0			QL=2 ST=2 TYP=3
	204	IZMI	3 S	0825.8	0826.0	.5	2750.0	550.0		
	200	GORK		0825.8	0840.1		2700.0			
	200	GORK		0825.8	0846.2		1550.0			
	430	KRAK		0829.7	0842.3		90.0			
	950	GORK	2 S/F	0834.3	0834.7	.9	2.6			
	650	GORK	1 S	0834.5	0834.7	.2	2.6			
	3100	BERN	41 F	0838.3	0845.6	10.0	31.0			
	5200	BERN	41 F	0838.3	0845.6	10.0	49.0			
	8400	BERN	41 F	0838.3	0845.6	10.0	45.0			
	430	KRAK	42 SER	0839.7	0839.7	4.0	180.00			
	430	KRAK		0839.7	0846.0		180.00			
	650	GORK	4 S/F	0839.9	0840.6	2.0	4.4			
	234	POTS	42 SER	0840.0	0840.1	11.0	2150.0			
	100	GORK	41 F	0840.0	0840.2	11.3	1500.0			
	9300	KISV	2 S/F	0840.0	0840.3	1.5	10.0			
	2950	GORK	3 S	0840.0	0840.5	2.2	7.8			
	3100	CRIM	45 C	0840.0	0840.5		10.0			
	3000	IZMI	5 S	0840.0	0840.8	2.7	6.0	3.0		
	950	GORK	41 F	0840.0	0841.0	11.0	16.6			
	9500	POTS	42 SER	0840.0	0845.5	8.0	20.0			
	3000	POTS	42 SER	0840.0	0845.5	10.0	12.0			
	100	GORK		0840.0	0845.5		3500.0			
	3100	CRIM		0840.0	0845.5		11.0		4.0	
	113	POTS	42 SER	0840.0	0845.6	11.0	1700.0			
	30	POTS	42 SER	0840.0	0845.6	12.0	11000.0			
	950	GORK		0840.0	0845.9		17.5			
	1470	POTS	42 SER	0840.0	0846.1	9.0	11.0			
	204	IZMI	41 F	0840.0	0846.4	6.4	1650.0			
	100	GORK	41 F	0840.0	0850.2		500.0			
	9100	GORK	2 S/F	0840.2	0840.3	12.0	14.0			
810	KRAK	2 S/F	0840.2	0840.5	1.2	16.0			5.0	
2950	GORK	45 C	0845.3	0845.7	2.0	12.6				
3000	IZMI	5 S	0845.3	0845.8	2.3	10.0			5.0	
9100	GORK	4 S/F	0845.4	0845.6	1.1	28.0				
9300	KISV	S/F	0845.4	0845.9	1.0	25.0				
650	GORK	4 S/F	0845.4	0846.1	1.2	17.0				
810	KRAK	2 S/F	0845.5	0846.0	1.2	13.0			4.0	
950	GORK	2 S/F	0900.0	0901.0	1.5	5.0				
810	KRAK	1 S	0907.2	0907.3	.3	4.0				
260	ONDR	27 RF	0930.00	1108.00	172.00	41.0		31.0		
234	POTS	42 SER	0933.5	0940.0	29.0	1450.0				
200	GORK	41 F	0943.9	0944.0	7.5	2800.0				
200	GORK		0943.9	0950.0		3800.0				
808	ONDR	8 S	0944.0	0944.1	.5					
204	IZMI	41 F	0944.2	0950.2	18.4	225.0				
810	KRAK	8 S	0944.3	0944.3	.2	120.0				
113	POTS	42 SER	0949.0	0957.4	29.0	700.0				
3100	BERN	4 S/F	0949.3	0950.2	6.0	33.0				
11800	BERN	4 S/F	0949.3	0950.3	6.0	64.0				
8400	BERN	3 S	0949.3	0950.3	6.0	45.0				
5200	BERN	3 S	0949.3	0950.3	6.0	21.0				
19600	BERN	3 S	0949.3	0950.3	6.0	59.0				
430	KRAK	5 S	0949.5	0950.0	1.5	17.0				
9500	POTS	4 S/F	0949.5	0950.2	5.5	36.0				
1470	POTS	45 C	0949.5	0950.8	4.5	390.0				
68	POTS	42 SER	0949.5	0957.1	8.5	1250.0				
950	GORK	4 S/F	0949.6	0950.1	7.3	129.0				
15000	KISV	4 S/F	0949.6	0950.3	2.5	60.0				
9300	KISV	4 S/F	0949.6	0950.3	2.5	40.0				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

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Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Peak (10 ⁻²² W/m ² Hz)	Density Mean (W/m ² Hz)	Int	Remarks
15	808	ONDR	8 S	0949.7	0950.0	1.5				
	9100	GORK	4 S/F	0949.7	0950.3	1.5	40.0			
	650	GORK	4 S/F	0949.7	0950.4	1.0	420.0			
	536	ONDR	8 S	0949.8	0950.0	1.0	72.0			
	810	KRAK	5 S	0949.8	0950.5	2.0	240.0	50.0		
	4995	ATHN	8 S	0950.0	0950.0	2.0	10.0			QL=6 ST=2 TYP=3
	8800	ATHN	47 GB	0950.0	0950.0	2.0	52.0			QL=6 ST=2 TYP=5
	2695	ATHN	47 GB	0950.0	0950.0	2.0	68.0			QL=1 ST=2 TYP=5
	1415	ATHN	49 GB	0950.0	0950.0	2.0	1000.0			QL=6 ST=2 TYP=6
	3100	CRIM	1 S	0950.0	0950.2	4.0	16.0	5.0		
	3000	POTS	4 S/F	0950.0	0950.2	5.0	15.0			
	3000	IZMI	1 S	0950.0	0950.3	1.6	6.0	3.0		
	15400	LEAR	47 GB	0950.1	0950.1	.5	73.0			QL=6 ST=2 TYP=5
	610	LEAR	49 GB	0950.1	0950.3	.7	560.0			QL=2 ST=2 TYP=6
	1415	LEAR	47 GB	0950.1	0950.3	.5	500.0			QL=6 ST=2 TYP=5
	8800	LEAR	8 S	0950.1	0950.3	.5	31.0			QL=6 ST=2 TYP=3
	100	GORK	46 C	0956.9	0957.0	2.1	400.0			
	100	GORK		0956.9	0958.1		240.0			
	245	LEAR	49 GB	1000.3	1000.6	1.0	650.0			QL=6 ST=2 TYP=6
	536	ONDR	40 F	1036.5	1037.0	9.5	11.0			
	536	ONDR	27 RF	1038.0	1045.0	25.0	4.0			
	650	GORK	21 GRF	1041.4E	1045.6	16.0D	2.6			
	9100	GORK	21 GRF	1051.8	1230.0	120.0D	95.0			
	204	IZMI	27 RF	1052.0	1104.5	300.0	180.0	90.0		
	650	GORK	2 S/F	1053.7	1054.0	.8	2.6			
	113	POTS	25 R	1100.0	1122.0	45.0	42.0			
	1470	POTS	47 GB	1108.0	1108.0	127.0	1860.0			
	3000	POTS	47 GB	1108.0	1108.0	152.0	720.0D			
	930	BORD	21 GRF	1108.0	1156.6	101.0	182.0	91.0		
	930	BORD		1108.0	1203.3		192.0			
	3000	IZMI	47 GB	1108.8	1117.9	52.0	960.0	500.0		
	950	GORK	46 C	1109.0	1121.0	93.0	84.0			
	950	GORK		1109.0	1136.4		69.0			
	950	GORK		1109.0	1155.5		180.0			
	950	GORK		1109.0	1203.5		170.0			
	2950	GORK	47 GB	1109.0	1117.4	105.0D	990.0			
	3100	CRIM	47 GB	1109.0	1120.0U	60.0D	1854.0			
	810	KRAK	20 GRF	1109.0	1156.0U	90.0	74.0			
	9300	KISV	47 GB	1109.1	1118.0	80.0	1630.0			
	9300	KISV		1109.1	1132.8		1360.0			
	9300	KISV		1109.1	1150.4		770.0			
	15000	KISV		1109.2	1118.0		550.0			
	15000	KISV	47 GB	1109.2	1132.8	65.0	560.0			
	650	GORK	21 GRF	1109.4	1119.5	72.3	8.0			
	9500	POTS	47 GB	1110.0	1118.0	142.0	1080.0			
	30	POTS	49 GB	1110.0	1137.5	40.0	1700.0			
	536	ONDR	27 RF	1110.0	1119.0	20.0	4.0	3.0		
	808	ONDR	28 PRE	1110.0	1120.0	32.0				
	11800	BERN	47 GB	1112.0	1117.0	130.0U	974.0			
	8400	BERN	47 GB	1112.0	1117.0	130.0U	2000.0			
	3100	BERN	47 GB	1112.0	1117.0	130.0U	1670.0			
	5200	BERN	47 GB	1112.0	1117.0	130.0U	2115.0			
	9100	GORK	47 GB	1112.0	1118.0	78.0	1370.0			
	35000	BERN	3 S	1112.0	1132.6	130.0U	259.0			
	19600	BERN	4 S/F	1112.0	1132.6	130.0U	403.0			
	50000	BERN	3 S	1112.0	1133.8	130.0U	226.0			
	536	ONDR	20 GRF	1140.0	1155.0	15.0	10.0	9.0		
	650	GORK	21 GRF	1141.6	1152.3	24.6	16.0			
	808	ONDR	45 C	1142.0	1154.0	27.5				
	15000	KISV		1150.4	1150.4		310.0			
	30	POTS	41 F	1156.4	1201.0U	8.1	720.0D			
	113	POTS	41 F	1158.5	1203.6	8.5	700.0			
	100	GORK	41 F	1159.0	1159.2	5.2	500.0			
	100	GORK		1159.0	1203.6		1300.0			
	536	ONDR	40 F	1200.0	1203.5	3.8	25.0			
	430	KRAK	41 F	1200.5	1201.5	3.2	15.0			
	234	POTS	41 F	1200.8	1202.7	3.4	275.0			
	650	GORK	41 F	1201.1	1201.5	3.0	5.0			
	650	GORK		1201.1	1201.8		4.6			
	650	GORK		1201.1	1202.7		8.0			
	650	GORK		1201.1	1203.5		24.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

FEBRUARY 1986

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
15	200	GORK	8 S	1202.8	1202.9	.3	450.0			
	808	ONDR	1 S	1203.0	1203.5	1.0				
	810	KRAK	2 S/F	1203.3	1203.5	1.0	48.0	15.0		
	1415	SGMR	47 GB	1204.3E	1204.6	63.0D	189.0			QL=6 ST=2 TYP=5
	2695	SGMR	47 GB	1204.3E	1204.6	63.0D	290.0			QL=6 ST=2 TYP=5
	4995	SGMR	47 GB	1204.5E	1215.8	62.8D	180.0			QL=6 ST=2 TYP=5
	808	ONDR	29 PBI	1210.0		22.0				
	15000	KISV	29 PBI	1212.5	1212.5	20.0D	75.0			
	8800	SGMR	47 GB	1215.3E	1215.8	52.0D	169.0			QL=6 ST=2 TYP=5
	9300	KISV	29 PBI	1228.5	1228.5	20.0D	80.0			
	2800	OTTA		1250.0		23.0	18.4			
	30	POTS	41 F	1301.5	1309.8	12.0	7600.0			
	113	POTS	41 F	1301.6	1308.5	14.0	1450.0			
	234	POTS	41 F	1303.6	1308.6	12.0	165.0			
	536	ONDR	40 F	1303.8	1303.8	2.0	8.0			
	430	KRAK	41 F	1303.8	1304.0	1.5	23.0			
	810	KRAK	41 F	1303.8	1305.2	2.5	14.0	2.0		
	930	BORD	41 F	1303.8	1306.1	2.6	20.0	4.0		
	1470	POTS	40 F	1303.9	1304.1	3.1	8.0			
	3000	POTS	40 F	1303.9	1304.5	2.6	20.0			
	9500	POTS	40 F	1304.0	1308.9	6.0	24.0			
	2800	OTTA	30 PBI	1313.0	1313.0	180.0	7.8	3.9		
	536	ONDR	8 S	1325.8	1326.0	.3	28.0			
	430	KRAK	8 S	1326.0	1326.0	.1	95.0			
	2800	OTTA	20 GRF	1345.0		40.0	2.8			
	113	POTS	41 F	1403.9	1404.6	5.4	200.0			
	30	POTS	4 S/F	1404.3	1405.2	3.2	4800.0			
	2800	OTTA	20 GRF	1427.0	1505.0	65.0	3.0	1.5		
500	HIRA	8 S	2220.4	2220.4	.1	7.0			0	
500	HIRA	27 RF	2256.0	2318.0	47.0	4.0	2.0		0	
500	HIRA	45 C	2324.0	2327.6	12.0	5.0	3.0		0	
16	260	ONDR	44 NS	0758.0E	1019.0	322.0D	11.0			
	2000	TYKW	20 GRF	0000.0	0045.0	140.0	2.0	1.0		
	1000	TYKW	20 GRF	0005.0	0045.0	100.0	1.0	.5		
	3750	TYKW	20 GRF	0010.0	0050.0	110.0	2.0	1.0		
	100	GORK	46 C	0544.2	0544.6	1.2	100.0			
	100	GORK		0544.2	0544.9		100.0			
	33	UPIC	45 C	1300.2	1300.9	2.1				
	29	UPIC	2 S/F	1300.9	1301.1	.4				
	33	UPIC	45 C	1336.6	1336.8	1.9				
	29	UPIC	45 C	1336.7	1338.3	1.9				
	2800	OTTA	1 S	1438.0	1439.0	4.0	2.0	1.0		
	930	BORD	46 C	1438.0	1438.9	5.7	15.0	3.0		
	33	UPIC	4 S/F	1442.9	1443.1	1.5				
	29	UPIC	2 S/F	1443.0	1443.3	1.2				
	1000	TYKW		2228.0	2246.8		20.0			
	2695	PENT	3 S	2228.0	2247.0	60.0	135.0	41.0		
	2000	TYKW	45 C	2228.0	2247.9	50.0	120.0	45.0		
	1000	TYKW	45 C	2228.0	2257.8	50.0	21.0	10.0		
	1415	PALE	20 GRF	2228.0E	2248.1	42.0D	85.0			QL=2 ST=2 TYP=2
	2695	PALE	47 GB	2228.1E	2251.1	42.2D	98.0			QL=2 ST=2 TYP=5
	3750	TYKW	45 C	2230.0	2246.9	43.0	61.0	24.0		
	1415	LEAR	20 GRF	2230.6	2249.1	40.9	79.0			QL=6 ST=2 TYP=2
	1415	LEAR	20 GRF	2230.6	2249.1	20.7	79.0			QL=6 ST=2 TYP=2
	2695	LEAR	20 GRF	2230.8	2245.8	20.5	139.0			QL=6 ST=2 TYP=2
	2695	LEAR	20 GRF	2230.8	2245.8	38.5	139.0			QL=6 ST=2 TYP=2
	500	HIRA	6 S	2241.4	2242.4	2.0	6.0	4.0		WR
	9400	TYKW	20 GRF	2242.0	2252.0	40.0	4.0	2.0		
	4995	LEAR	20 GRF	2244.1	2245.8	9.0	23.0			QL=6 ST=2 TYP=2
4995	LEAR	4 S/F	2244.1	2245.8	7.2	23.0			QL=6 ST=2 TYP=3	
3750	TYKW	29 PBI	2313.0		35.0	2.0	1.0			
1000	TYKW	29 PBI	2318.0		75.0	2.0	1.0			
2000	TYKW	29 PBI	2318.0		55.0	3.0	1.5			
17	33	UPIC	45 C	1344.7	1345.6	2.5				
	29	UPIC	45 C	1345.5	1346.0	2.3				
18	500	HIRA	8 S	0355.4	0355.6	.7	12.0			WR
	9100	GORK	2 S/F	0736.4	0739.3	4.0	3.5			
	33	UPIC	2 S/F	0838.8	0839.6	1.7				

S O L A R R A D I O E M I S S I O N
O U T S T A N D I N G O C C U R R E N C E S

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Feb 86

F E B R U A R Y 1 9 8 6

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
18	204	IZMI	5 S	0838.9	0839.2	1.2	55.0	35.0		
	29	UPIC	2 S/F	0839.1	0839.9	1.4				
	9100	GORK	1 S	0845.3	0845.7	1.7	7.0	3.0		
	3100	CRIM	26 FAL	0906.0	1120.0		5.0			
	808	ONDR	1 S	1215.5	1216.0	1.0				
	9500	POTS	1 S	1323.0	1323.1	1.5	10.0			
19	9395	PEKG	3 S	0421.0	0421.9	3.0	20.4	14.2		
	930	BORD	46 C	0808.3	0809.0	.8	119.0	4.0		
	930	BORD	41 F	1309.2	1309.4	1.8	79.0	3.0		
20	930	BORD	46 C	0801.5	0801.7	.7	148.0	3.0		
	930	BORD	41 F	0904.0	0905.9	2.6	13.0	3.0		
	930	BORD	8 S	1309.6	1309.7	.4	79.0	3.0		
21	930	BORD	8 S	0804.4	0804.9	.5	58.0	2.0		
	1470	POTS	22 GRF	1020.0	1027.4	15.0	3.0			
	3100	CRIM	24 R	1030.0	1220.0		16.0			
	930	BORD	41 F	1150.4	1150.7	.7	32.0	3.0		
	2800	OTTA	21 GRF	1715.0	1805.0	130.0	2.0	1.0		
22	3100	CRIM	20 GRF	0809.0	1012.0	123.0U	18.0	6.0		
23	500	HIRA	41 F	0640.9	0641.0	5.0	3.0			WL
24	808	ONDR	8 S	1040.3	1040.3	.1				
	536	ONDR	8 S	1040.5	1040.5	.2	4.0			
	930	BORD	41 F	1104.5	1104.8	.6	14.0	2.0		
	930	BORD	41 F	1306.2	1306.4	.8	62.0	2.0		
25	930	BORD	8 S	1504.3	1504.4	.2	18.0	2.0		
26	3750	TYKW	20 GRF	0410.0	0440.0	80.0	1.0	.5		
	3100	CRIM	24 R	0600.0	0950.0		16.0			
	930	BORD	8 S	1320.3	1320.6	.5	88.0	3.0		
27	3100	CRIM	20 GRF	0620.0	0730.0	132.0	4.0	1.0		
	930	BORD	46 C	0800.2	0801.0	.9	98.0	4.0		
	930	BORD	46 C	1256.4	1256.6	.7	59.0	3.0		
28	260	ONDR	43 NS	0903.0	0903.5	120.0	5.0			
	245	LEAR	43 NS	2236.0	0344.6	720.0D	24.0			QL=6 ST=2 TYP=1
	930	BORD	46 C	0806.8	0807.2	.7	98.0	5.0		
	930	BORD	41 F	1106.8	1107.3	.7	14.0	2.0		
	930	BORD	41 F	1319.5	1319.7	.6	46.0	3.0		
	930	BORD	8 S	1501.7	1502.1	.7	273.0	3.0		
	2800	OTTA	8 S	1502.5	1502.7	.6	1.2	.6		
	9400	TYKW	5 S	2233.0	2234.2	4.0	7.0	2.0		

Reports are received routinely from the following observatories:

ATHN = Athens	IZMI = IZMIRAN	OTTA = Ottawa	SYDN = Sydney
BERN = Berne	KISV = Kislovodsk	PALE = Palehua	TORN = Torun
BORD = Bordeaux	KRAK = Krakow	PEKG = Peking	TYKW = Toyokawa
CRIM = Crimea	LEAR = Learmonth	PENT = Penticton	TRST = Trieste
GORK = Gorky	MANI = Mania	POTS = Potsdam	UPIC = Upice
HIRA = Hiraïso	NOBE = Nobeyama	SAOP = Sao Paulo	VORO = Voroshilov
HUAN = Huancayo	ONDR = Ondrejov	SGMR = Sagamore Hill	

Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm In Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precursor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major
1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F	
3A Simple 2A	240 Rise only	16A Fall A	27AF Rise and Fall AF	
21A Simple 3A GRF	240F Rise only F	260 Fall Only	31A Post Burst Decrease A	
2A Simple 1AF	24P Post Rise	26F Fall F	32A Absorption A	
			46F Complex F	

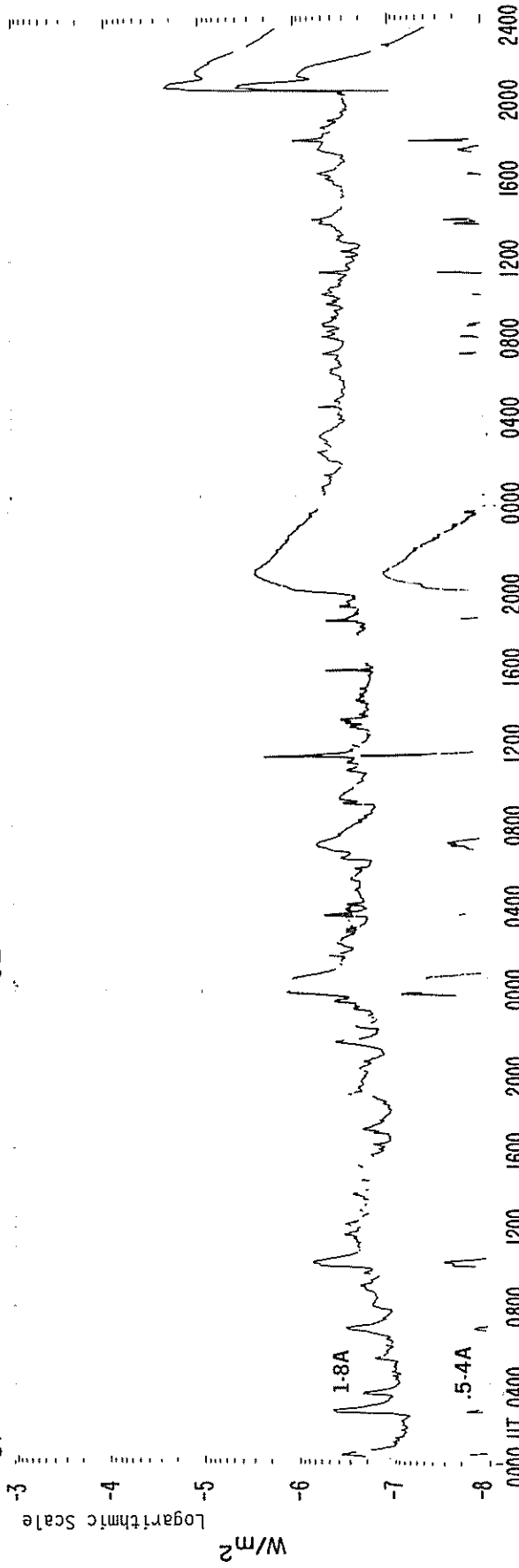
GOES 6 X-RAYS

FEBRUARY 1986

03

02

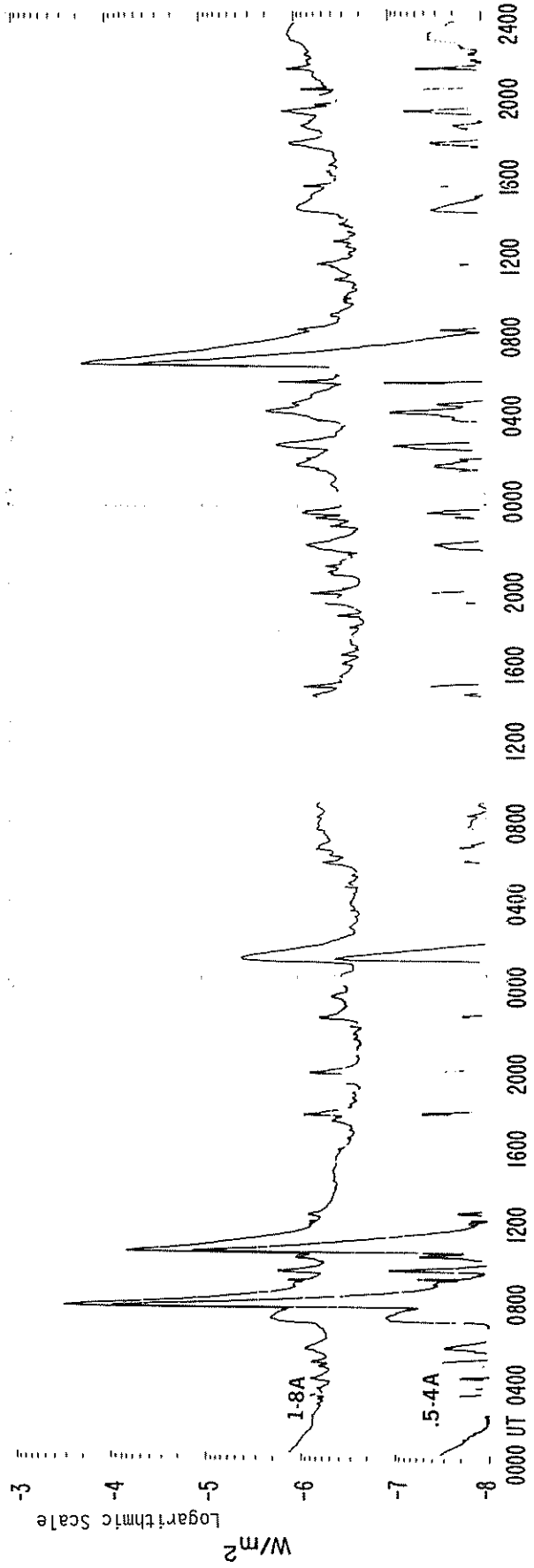
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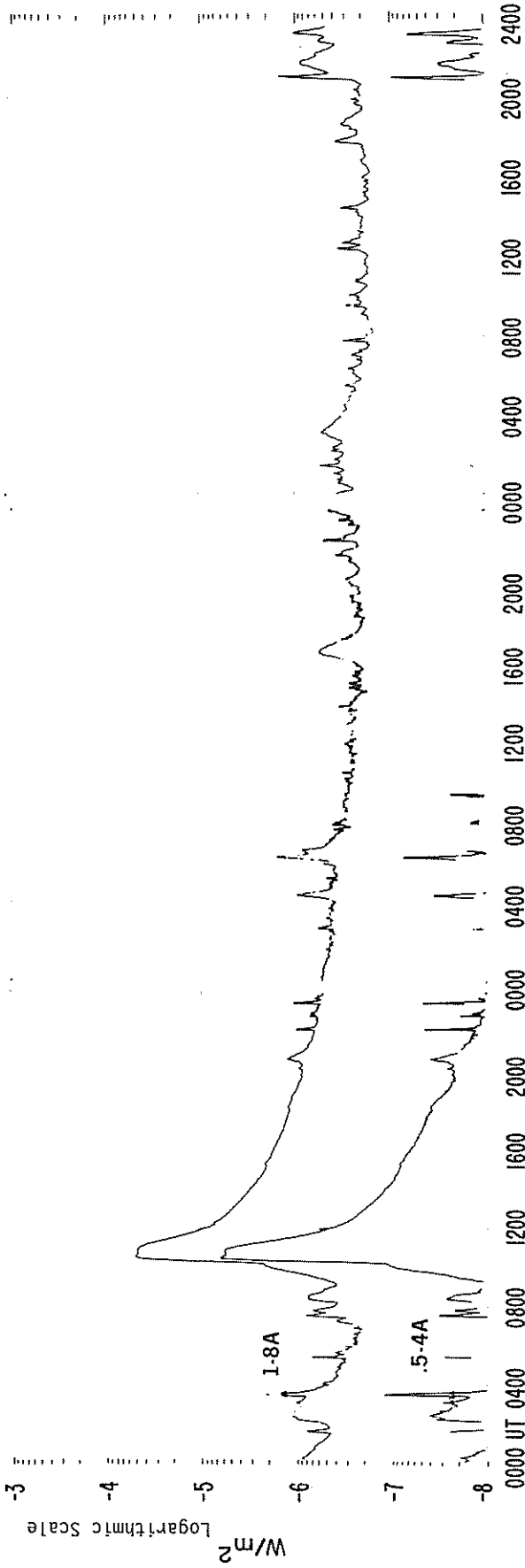
GOES 6 X-RAYS

FEBRUARY 1986

07

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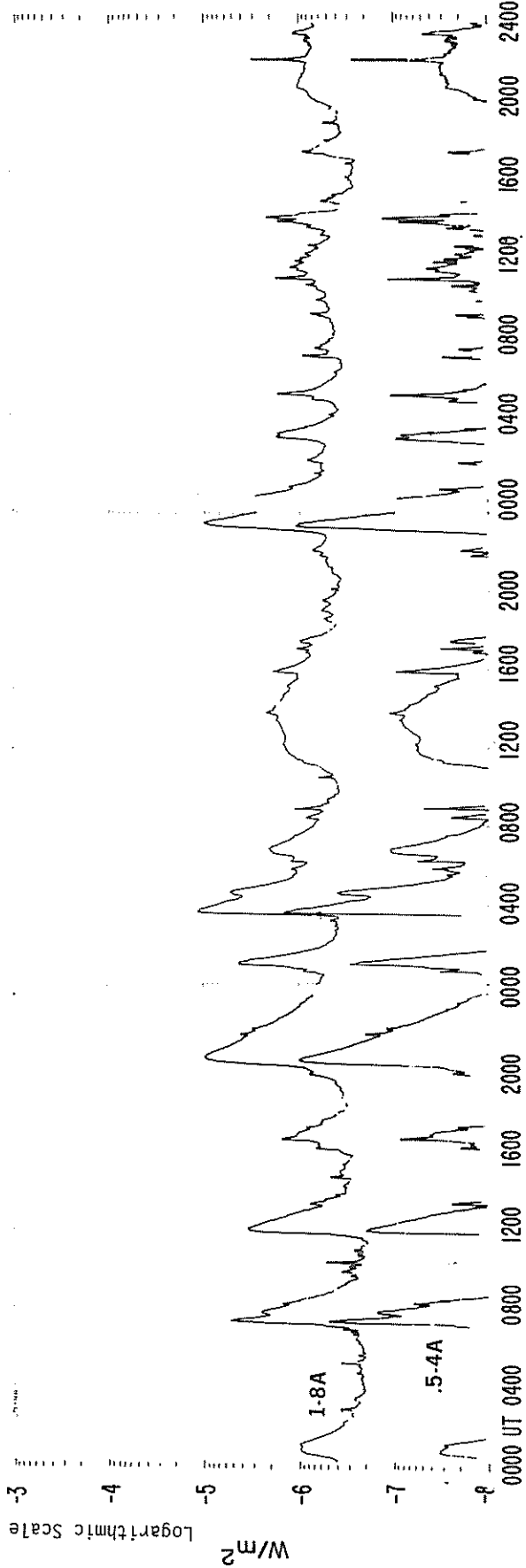
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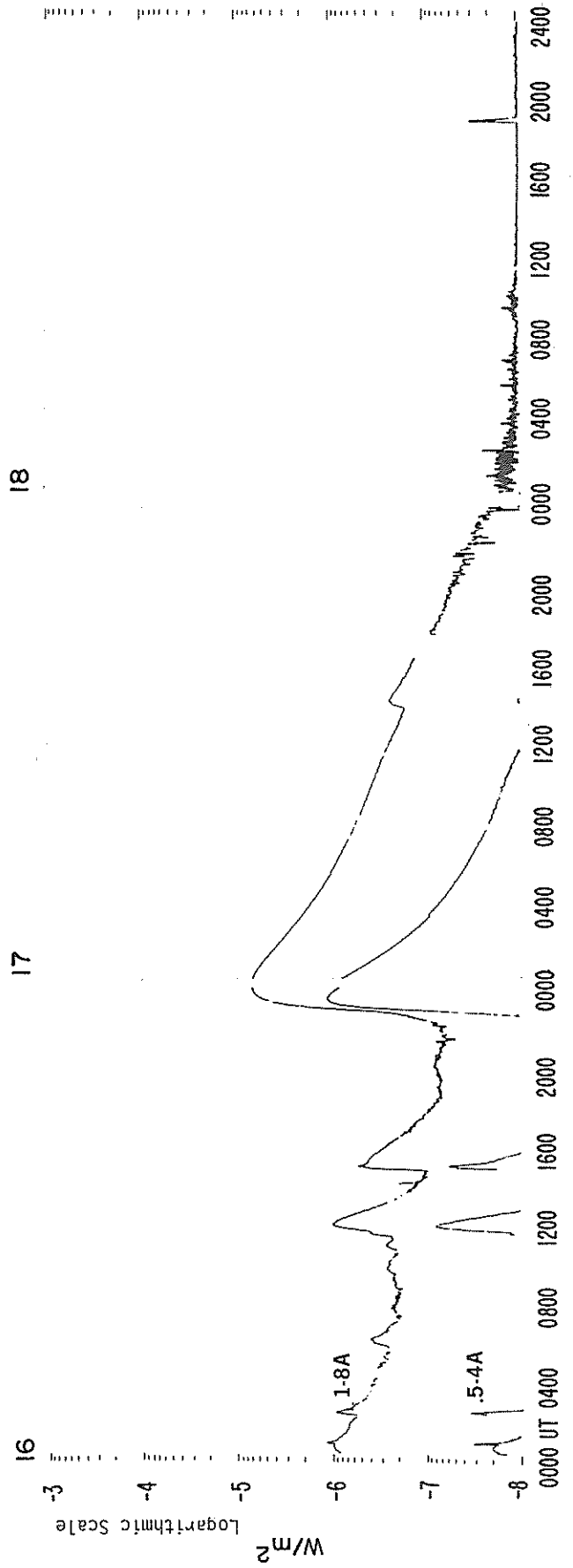
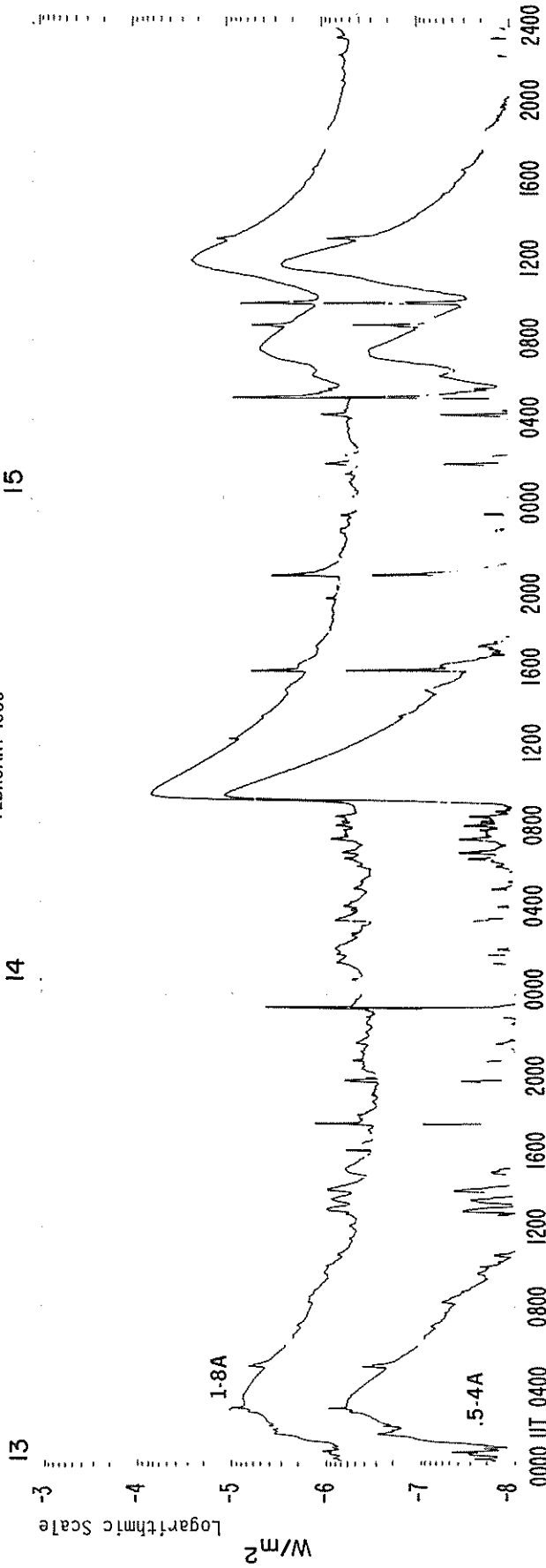
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GOES 6 X-RAYS

FEBRUARY 1986



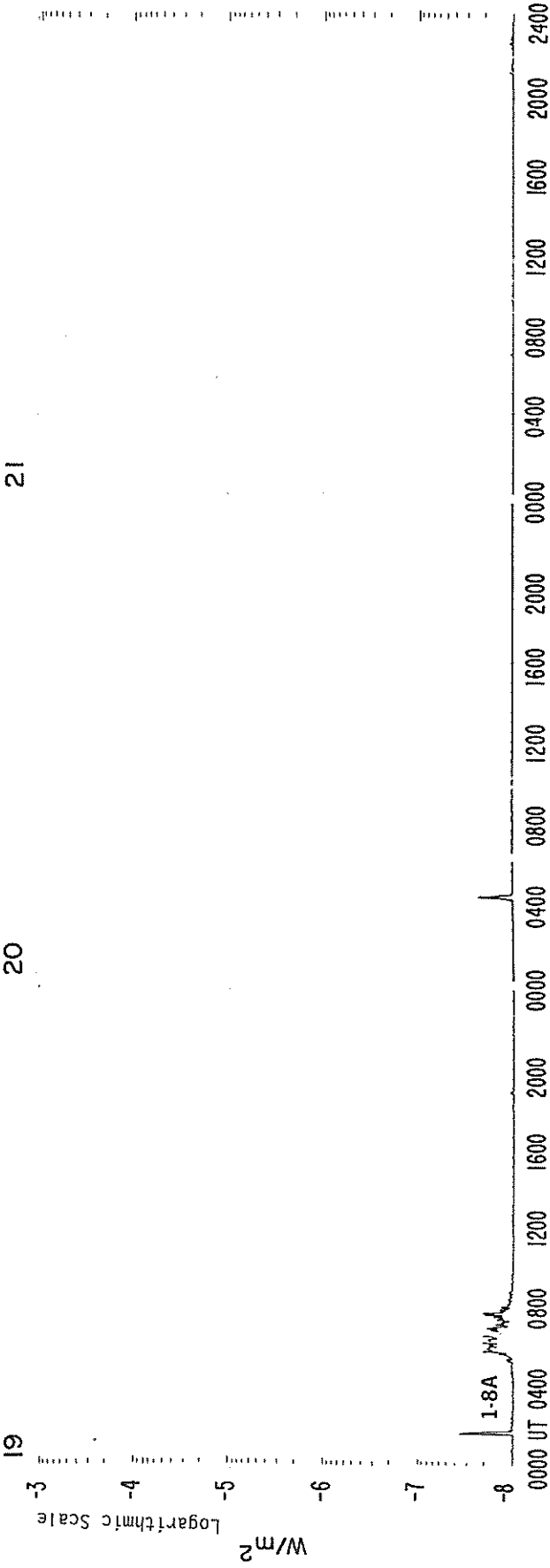
GOES 6 X-RAYS

FEBRUARY 1986

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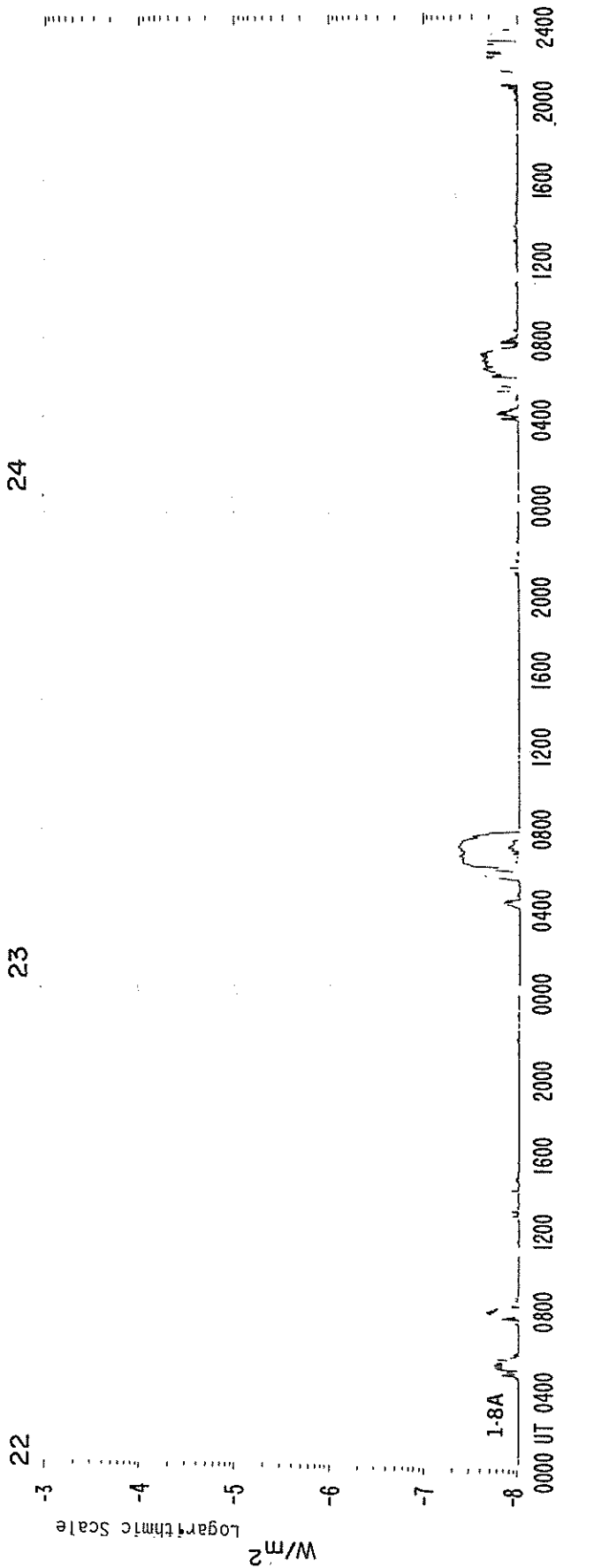
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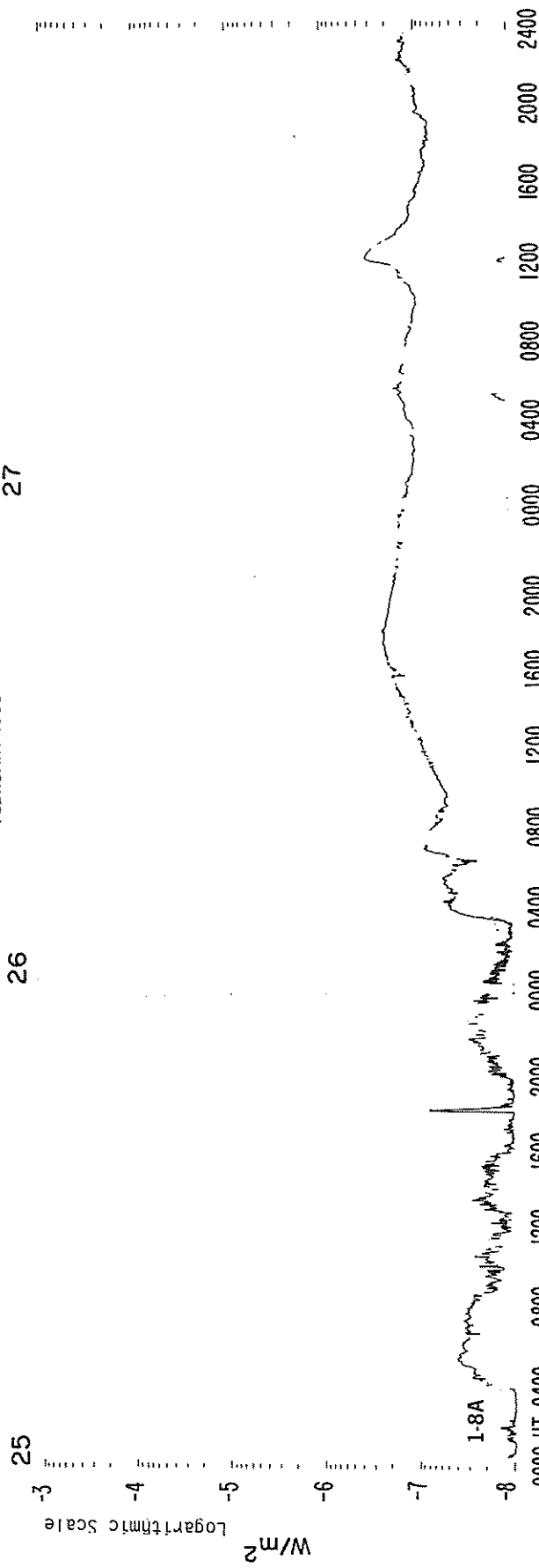
GOES 6 X-RAYS

FEBRUARY 1986

25

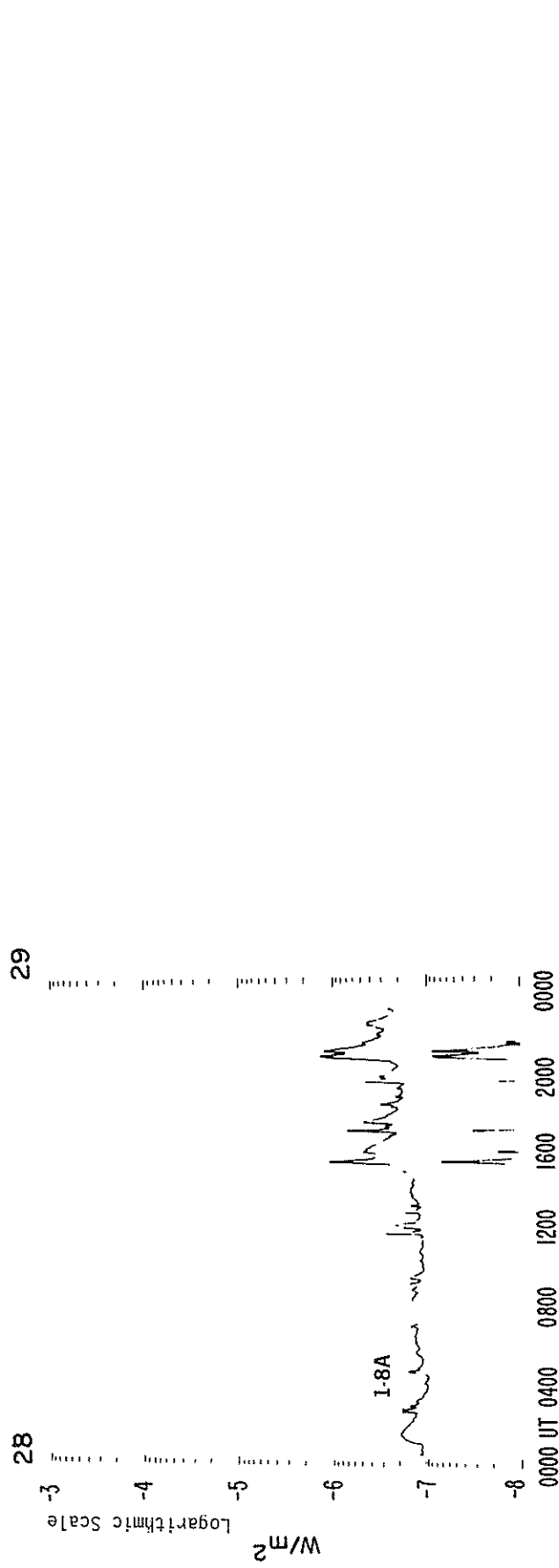
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GOES SOLAR X-RAY FLARES
 Preliminary Listing

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 Feb 86

February 1986

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
01	0022	0025	0038	S09	E62	4711	1F	B3.8	06	0335	0340	0355	S08	W06	4711	SF	C1.9
01	0227	0239	0247					B4.6	06	0531	0533	0541	S07	W02	4711	SN	C1.7
01	0325	0334	0339					B2.2	06	0618	0625	0753	S04	W06	4711	3B	X1.7
01	0957	1014	1027					B7.5	06	1128	1132	1137					B5.6
01	1520	1524	1527					B2.9	06	1238	1243	1246					B3.8
01	1648	1651	1655					B2.0	06	1357	1528	1548	S10	W12	4711	SB	B9.2
01	1843	1848	1856					B3.1	06	1526	1530	1533					B8.0
01	2122	2127	2132					B4.1	06	1724	1742	1749					C1.1
01	2207	2213	2225					B2.4	06	1833	1836	1841	S02	E33	4713	SF	B9.5
01	2325	2330	2337					B4.2	06	1919	1920	1942D	S12	W12	4711	SN	C1.6
01	2345	2356	0012					C1.3	06	2016E	2016	2028D	S06	W15	4711	SF	B9.9
									06	2126	2129	2136	S11	W10	4711	SF	C1.2
									06	2252	2310	2314					C1.1
02	0110	0113	0116					B4.5	07	0133	0137	0151	S09	W16	4711	SF	B8.6
02	0230	0233	0235					B3.1	07	0208	0221	0230					C1.5
02	0314	0314	0317	S09	E48	4711	SF	B5.0	07	0326	0332	0345	S10	W16	4711	SN	C2.2
02	0602	0654	0714					B5.8	07	0523	0525	0533	S09	W18	4711	SN	B7.7
02	0852	0858	0903					B2.9	07	0729	0731	0758	S08	W18	4711	SF	B8.5
02	1118	1122	1125					C2.2	07	0820	0825	0831	S08	W18	4711	SF	B8.0
02	1541	1544	1546					B4.8	07	1011	1029	1125	S10	W20	4711	2B	M5.2
02	1607	1615	1624					B2.9	07	2033	2039	2047					C1.2
02	1635	1639	1641					B5.2	07	2206	2209	2211					C1.7
02	1649	1655	1703					C1.7	07	2256	2259	2308	N00	E09	4713	SF	B8.7
02	1814	1817	1821					B4.5	07	2326	2328	2338	S08	W27	4711	SN	C1.15
02	1946	1946	2101	S10	E49	4711	SF	C3.0									
03	0430	0431	0437	N02	E86	4713	SN	B6.2	08	0241	0241	0245	S08	W29	4711	SF	B5.8
03	0709	0713	0719					B5.0	08	0417	0421	0437	S04	W33	4711	SF	B9.6
03	0828	0844	0850	S05	E36	4711	SF	B5.1	08	0609	0629	0652	S00	E12	4713	SF	C1.7
03	1118	1121	1123					B6.3	08	1630	1637	1715	S10	W37	4711	SF	B5.6
03	1400	1404	1409	S06	E31	4711	SN	B7.2	08	2138	2141	2144					B3.7
03	1736	1805	1836	S09	E28	4711	SF	C1.0	08	2222	2227	2230					B5.0
03	2037	2040	2240	S09	E26	4711	1B	M2.3	08	2327	2327	2332	S05	W40	4711	SF	B3.4
04	0303	0304	0318	S04	E24	4711	SF	B7.7	09	0121	0124	0126					B5.6
04	0444	0448	0453					B7.4	09	0740	0744	0747					B3.2
04	0526	0528	0536	S03	E23	4711	SF	B8.6	09	0929	0931	0943	S04	W46	4711	SF	B2.9
04	0649	0650	0713	S07	E22	4711	SF	C1.9	09	1220	1224	1228					B3.6
04	0735	0740	0837	S03	E21	4711	3B	X3.0	09	1238	1242	1247					B3.2
04	0919	0923	0931					C1.8	09	1425	1429	1432					B3.5
04	1004	1009	1014					C1.0	09	1746	1751	1801					B3.8
04	1027E	1033	1049D	S02	E68	4713	1B	M6.4	09	2100	2107	2111					C1.8
04	1720	1725	1731					B8.9	09	2316	2322	2329					C1.0
04	1927	1932	1939					B7.3									
04	2215	2222	2228					B5.8	10	0027	0045	0050			4713		B9.6
05	0051	0052	0113	S06	E11	4711	SF	C3.9	10	0511	0513	0514	N01	W20	4713	SF	B3.6
05	0542	0547	0551					B5.7	10	0708	0720	0821	N01	W18	4713	SN	C5.2
05	0624	0628	0644			4713		B6.4	10	0946	0948	0956	S07	W59	4711	SF	B3.5
05	0726	0728	0746	N02	E53	4713	SF	B6.8	10	1014	1018	1020			4713		B5.8
05	0939	0942	0954	S04	E06	4711	SF	C1.9	10	1147	1155	1235	S06	W66	4711	SB	C3.4
05	1017	1022	1027					C1.1	10	1435	1439	1442					B4.7
05	1237	1253	1401	S07	E06	4711	2B	M3.0	10	1602	1634	1643			4711		C1.8
05	1439	1444	1448					B8.8	10	2025	2048	2124	S01	W32	4713	SB	C9.5
05	1617	1621	1626					B3.5	11	0039	0101	0134	N02	W33	4713	1N	C4.3
05	1817	1821	1825					B3.9	11	0332	0338	0440	N00	W30	4713	1B	M1.1
05	1929	1929	1932	S10	E04	4711	SF	B7.8	11	0429	0440	0450			4713		C5.2
05	2022	2035	2046					B4.8	11	0612	0652	0714					C2.1
05	2143E	2143	2215	S08	W03	4711	SF	B8.1	11	0823	0826	0834					B9.0
05	2254	2254	2259	S01	E48	4713	SF	B4.5	11	0854	0854	0900	N02	W37	4713	SF	C1.1
05	2316	2320	2328	S05	W03	4711	SF	B6.3	11	1027	1030	1032					B6.9
05	2331	2334	2342	S05	W06	4711	SF	B8.8	11	1109	1139	1139					C1.2
06	0117	0117	0134	S01	E41	4713	SF	B9.5	11	1150	1153	1155					C2.0
06	0212	0220	0246	S04	W04	4711	SN	C1.8	11	1342	1347	1351					C2.3

GOES SOLAR X-RAY FLARES
Preliminary Listing

February 1986

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
11	1546	1553	1603					C1.9
11	2303	2321	0005	N00	W43	4713	SN	M1.0
12	0251	0259	0303	N03	W49	4713	SF	C1.6
12	0450	0509	0514					C1.9
12	0659	0706	0709					B8.4
12	0704	0706	0709	N03	W51	4713	SF	B8.5
12	1059	1101	1110	N03	W53	4713	SN	C1.7
12	1336	1338	1343					B7.7
12	1350	1353	1357					C1.9
12	1351	1403	1425	S01	W53	4713	SB	C2.1
12	1453	1456	1500					B5.8
12	1721	1727	1733					B8.4
12	2201	2208	2211					C2.7
12	2322	2325	2335					C1.0
13	0246	0246	0254	N04	W63	4713	SF	M1.0
13	0451	0454	0501					C6.9
13	1250	1258	1306					C1.0
13	1351	1358	1406					C1.0
13	1607	1611	1614					B6.4
13	1717	1720	1742	S03	W65	4713	SB	C2.0
13	1933	1933	1935	N01	W70	4713	SF	B6.9
13	2032	2035	2037					B5.9
13	2315	2316	2319	S03	W68	4713	SN	C5.1
14	0053	0056	0103					B7.6
14	0259	0303	0319					B7.5
14	0301	0304	0306	N04	W76	4713	SF	B7.6
14	0626	0630	0636					B6.2
14	0749	0753	0757					B7.2
14	0910	0921	1025	N01	W76	4713	1B	M6.4
14	1545	1545	1600	N00	W79	4713	SB	C5.8
14	2038	2038	2052	N00	W86	4713	SB	C3.5

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
15	0137	0142	0147					4713 B9.2
15	0407	0412	0414					4713 C1.0
15	0503	0503	0507	S02	W80	4713	SN	C9.3
15	0543	0611	0627					4713 C1.4
15	0642	0733	0824					4713 C4.4
15	0842	0846	0849	S01	W83	4713	SN	C5.7
15	0950	0951	0955	S02	W83	4713	SN	C7.4
15	1016	1203	1300					4713 M2.2
15	1304	1309	1316					4713 M1.6
15	1746	1749	1801					4713 C2.3
16	0209	0216	0223					B9.4
16	1134	1151	1156					C1.0
16	1436	1450	1537					B5.3
16	2246	2357	0150					C7.0
25	1600	1758	1802					B1.1
26	0920	1720	2400D			4715		B2.0
27	0000E	0000E	0130			4715		B2.0
28	0214	0217	0226					B1.9
28	0415	0420	0425					B1.6
28	1119	1124	1126					B2.6
28	1138	1151	1156					B2.2
28	1456	1506	1510					C1.0
28	1636	1640	1643					B7.0
28	1701	1707	1717					B4.5
28	1907	1911	2139					B4.4
28	2016	2027	2035	S01	E82	4717	SF	C1.6
28	2042	2045	2051	N02	E85	4717	1N	C1.2

Preliminary GOES-6 Data
Daily Average X-ray Background

March 1985 - February 1986

Day	Mar 85	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb 86
1	B0.1	B0.3	B1.6	B0.1	B1.1	B0.5	B0.1	B0.0	B0.0	B0.1	B0.0	B0.2
2	B0.0	B0.3	B1.7	B0.5	B1.0	B0.5	B0.1	B0.0	B0.0	B0.1	B0.0	B0.3
3	B0.0	B0.2	C1.1	B0.7	B0.9	B0.4	B0.1	B0.0	B0.1	B0.0	B0.0	**
4	B0.0	B0.4	B7.7	B0.7	B0.8	B0.4	B0.1	B0.0	B0.1	B0.0	B0.0	**
5	B0.0	B0.3	B0.3	B1.8	B1.0	B0.4	B0.2	B0.0	B0.0	B0.0	B0.0	**
6	B0.0	B0.1	B0.8	B2.9	B1.1	B0.4	B0.2	B0.0	B0.1	B0.1	B0.0	**
7	B0.0	B0.0	B1.5	B1.0	B3.2	B0.6	B0.1	B0.1	B0.2	B0.2	B0.0	B7.2
8	B0.1	B0.0	B1.2	B1.0	B4.1	B0.6	B0.1	B0.0	B0.6	B0.5	B0.0	B2.5
9	B0.0	B0.0	B1.8	B1.0	B3.1	B0.5	B0.0	B0.0	B0.5	B0.2	B0.0	B2.0
10	B0.0	B0.0	B1.6	B1.2	B4.1	B0.3	B0.0	B0.0	B0.4	B0.5	B0.0	B2.5
11	B0.1	B0.0	B1.9	B1.0	B3.2	B0.2	B0.0	B0.0	B0.5	B1.0	B0.0	B9.8
12	B0.1	B0.0	B1.2	B1.0	B3.5	B0.1	B0.1	B0.0	B0.4	B1.0	B0.0	B5.7
13	B0.1	B0.0	B2.0	B0.9	B3.4	B0.0	B0.5	B0.0	B0.5	B0.6	B0.3	B6.1
14	B0.1	B0.0	B2.0	B0.7	B1.5	B0.0	B0.2	B0.3	B0.6	B0.4	B0.4	B0.1
15	B0.1	B0.0	B1.9	B0.7	B0.7	B0.0	B0.1	B1.2	B1.3	B0.5	B0.4	B5.7
16	B0.0	B0.0	B2.1	B0.6	B0.2	B0.0	B0.1	B0.9	B0.7	B0.6	B0.5	B2.1
17	B0.1	B0.0	B1.9	B0.5	B0.2	B0.0	B0.0	B1.0	B0.5	B0.5	B1.0	B2.3
18	B0.2	B0.1	B1.8	B0.3	B0.1	B0.0	B0.0	B0.5	B0.4	B0.5	B0.7	B0.0
19	B0.3	B0.1	B1.3	B0.2	B0.1	B0.0	B0.1	B0.6	B0.4	B0.3	B0.6	B0.0
20	B0.2	B0.1	B1.3	B0.1	B0.1	B0.0	B0.1	B0.7	B0.3	B0.3	B4.7	B0.0
21	B1.9	B1.0	B1.4	B0.1	B0.1	B0.1	B0.3	B0.9	B0.3	B0.2	B9.5	B0.0
22	B0.7	B2.9	B0.9	B0.1	B0.1	B0.1	B0.0	B2.4	B0.2	B0.3	B2.9	B0.0
23	B0.7	B3.8	B0.8	B5.5	B0.1	B0.4	B0.0	B1.8	B0.2	B0.2	B2.7	B0.0
24	B0.5	C1.0	B0.8	B1.3	B0.1	B0.1	B0.0	B3.5	B0.2	B0.2	B1.3	B0.0
25	B0.4	B5.5	B0.7	B0.1	B0.5	B0.1	B0.0	B3.4	B0.2	B0.2	B0.8	B0.1
26	B0.4	B2.5	B0.5	B0.1	B1.0	B0.1	B0.1	B2.3	B0.1	B0.2	B0.6	B0.8
27	B0.3	B1.2	B0.5	B0.2	B1.0	B0.1	B0.0	B1.4	B0.1	B0.2	B0.2	B1.0
28	B0.4	B1.0	B0.4	B0.3	B0.8	B0.1	B0.0	B0.8	B0.0	B0.2	B0.0	B1.3
29	B0.3	B1.4	B0.4	B0.9	B0.8	B0.1	B0.1	B0.7	B0.0	B0.2	B0.0	
30	B0.3	B0.9	B0.3	B0.7	B0.8	B0.1	B0.0	B0.1	B0.0	B0.1	B0.0	
31	B0.3		B0.0		B0.7	B0.5		B0.0		B0.2	B0.0	

MASS EJECTIONS FROM THE SUN

FEBRUARY 1986

Sta	Day	Observed UT			Location		Freq or Wavelength	Kind of Event
		Start	Max	End	RA°	R/R ₀		
KHAR	Feb 01	1045		1108	097	0.78	H-alpha	S
CULG	Feb 03	[2100.0		0742.5			Meter; dekameter	II Intermittent
CULG	Feb 03	[2117.0		2125.5			Meter	II Possible
LEAR	Feb 03	2224.0		1051.0			Meter	IV
WEIS	Feb 04	1026.1		1032.3			250-130 MHz	II
KHAR	Feb 05	0959		1005	083	0.08	H-alpha	S
KHAR	Feb 05	1045 E		1105	155	0.10	H-alpha	S
BLEN	Feb 05	1234.7		1318.9			Decimeter; meter	IV Pulsations
LEAR	Feb 06	[0619.1		0630.0			Meter	II
CLUG	Feb 06	[0624.0		0746.0			Meter	IV
CULG	Feb 06	[0625.5		0641.5			Meter; dekameter	II Possible
LEAR	Feb 06	[0630.0		1051.0			Meter	IV
KHAR	Feb 06	0850 E	0854	0915	268	1.00	H-alpha	S
BLEN	Feb 07	1011.5		1027.7			Decimeter; meter	II Herringbone
WEIS	Feb 07	[1012.8		1032			700- 30 MHz	IV
LEAR	Feb 07	[1013.1		1050.0			Meter	IV
BLEN	Feb 07	[1015.6		1105.5			Decimeter; meter	IV
KHAR	Feb 07	[1035		1142 D	258	0.40	H-alpha	SP
PALE	Feb 10	2021.3		0411.0			Meter	IV
PALE	Feb 10	[2024.3		2043.3			Meter	II
SMGR	Feb 10	[2024.6		2035.6			Meter	II
PALE	Feb 11	[2311.1		2315.1			Meter	II
PALE	Feb 11	[2313.3		2323.8			Meter	II
KHAR	Feb 12	1003	1010	1040	277	0.83	H-alpha	S
KHAR	Feb 13	0905 E		0925	274	0.95	H-alpha	S
KHAR	Feb 13	0928		0937	280	0.96	H-alpha	S
KHAR	Feb 13	0955		1015	275	0.94	H-alpha	S
LEAR	Feb 14	[0912.0		1047.0			Meter	IV
LEAR	Feb 14	[0914.3		0917.1			Meter	II
KHAR	Feb 14	0950 E	1005 U	1105 D	274	1.00	H-alpha	Flare Loop
WEIS	Feb 15	0956.3		0958.3			70- 46 MHz	II
LEAR	Feb 15	0959.1		1046.0			Meter	IV
CULG	Feb 26	0715.0		0720.0			Meter	II

QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time
 E = event began before the tabulated time
 U = uncertain time

TYPE OF EVENT

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

REPORTING STATIONS

BLEN = Bleien
 CULG = Culgoora
 KHAR = Kharkov
 LEAR = Learmonth
 PALE = Palehua
 SMGR = Sagamore Hill
 WEIS = Weissenau

ACTIVE PROMINENCES AND FILAMENTS

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FEBRUARY 1986

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
01	APR	0056E	0747D	S40	E90	02	8.4	1		7	7	E	LEAR		
01	ADF	0059E	0747D	S05	E68	02	6.1	2	14	9	9	E	LEAR	4711	
01	AFS	0104E	0400D	N10	E14	02	2.1	1	02	8	8	E	LEAR		
01	AFS	0115E	0120D	S06	E62	02	5.7	2	03	9	9	E	LEAR	4711	
01	AFS	0145E	0153D	S03	E62	02	5.7	2	02	9	9	E	LEAR	4711	
01	DSD	0330E	0331D	S04	E69	02	6.3		08	9	9	E	LEAR	4711	
01	BSL	0820	0835D	N81	W90	01	24.1	1-				C	CATA		
01	BSL	0950	1000	S16	W90	01	25.7	1-				C	CATA		
01	BSL	0950	1015D	S06	W90	01	25.8	1-				C	CATA		
01	BSL	1000	1015D	N53	W90	01	24.8	1-				C	CATA		
01	DSD	1045	1108	S09	E53	02	5.4	1				V	KHAR		
01	ADF	1047E	1337D	S07	E61	02	6.0	2	10	9	9	E	ATHN	4711	
01	BSL	1130E	1150	S38	W90	01	25.3	1-				C	CATA		
01	APR	1232E	1337D	S42	E90	02	8.9	2		9	9	E	ATHN		
01	DSD	1405E	2158D	S08	E50	02	5.3	2	03	9	9	E	RAMY	4711	
01	ADF	1405E	2158D	S09	E60	02	6.1	2	04	9	9	E	RAMY	4711	
01	ADF	1825E	0346D	S08	E51	02	5.6	2	07	9	9	E	PALE	4711	
01	DSD	1825E	0346D	S11	E54	02	5.8		02	9	9	E	PALE	4711	
01	ADF	2045E	0346D	S08	E56	02	6.1	2	13	9	9	E	PALE	4711	
01	AFS	2140E	2158D	S11	E51	02	5.7	1	02	7	8	E	RAMY	4711	
02	BSL	0805	0840	S01	E90	02	9.0	1-				C	CATA		
02	ADF	0820E	1016D	S05	E45	02	5.7	2	03	9	9	E	LEAR	4711	
02	ADF	0820E	1016D	S06	E48	02	5.9	2	03	9	9	E	LEAR	4711	
02	ADF	0820E	1016D	S06	E55	02	6.5	1	06	9	9	E	LEAR	4711	
02	AFS	0830E	1016D	S03	W36	01	30.8		02	9	9	E	LEAR		
02	APR	0834E	1016D	N03	E90	02	9.1	3		9	9	E	LEAR		
02	APR	0835E	1016D	S14	E90	02	9.1	1		8	9	E	LEAR		
02	BSL	0850	0905D	S02	E90	02	9.1	1-				C	CATA		
02	BSL	0900	0905D	S01	E90	02	9.1	1-				C	CATA		
02	SDF	1016E	2224D	S07	E57	02	6.7		08	0	0	E	LEAR	4711	
02	BSL	1030	1055	S01	E90	02	9.1	1-				C	CATA		
02	AFS	1438E	1623D	S06	W39	01	30.8		02	9	9	E	RAMY		
02	AFS	1438E	1623D	S08	E46	02	6.0		01	9	9	E	RAMY	4711	
02	ADF	1438E	1623D	S09	E48	02	6.2	2	11	9	9	E	RAMY	4711	
02	SDF	1945E	1949D	S10	E49	02	6.5		07	0	0	E	PALE	4711	
03	BSL	0825	0825D	N72	E90	02	11.6	1-				C	CATA		
03	BSL	0945	0950D	N88	W90	01	26.1	1-				C	CATA		
03	BSL	1100	1110	N89	W90	01	26.1	1-				C	CATA		
03	BSL	1115E	1125	N62	W90	01	26.6	1-				C	CATA		
03	ADF	1401E	2139D	S03	W55	01	30.6	1	03	9	9	E	RAMY	4712	
03	AFS	1401E	2139D	S04	W54	01	30.6		02	8	9	E	RAMY	4712	
03	DSD	1401E	2139D	S04	W57	01	30.4	2	03	9	9	E	RAMY	4712	
03	AFS	1710E	1958D	S10	E28	02	5.8		01	9	8	E	HOLL	4711	
03	AFS	1749E	0342D	S03	W57	01	30.6		01	7	7	E	PALE	4712	
03	ADF	1759E	2039D	S08	E30	02	6.0	1	04	8	7	E	PALE	4711	
03	ADF	1848E	0009D	S09	E47	02	7.3	2	09	9	9	E	HOLL	4711	
03	DSD	2010E	2204D	S05	W54	01	30.9		02	9	9	E	HOLL	4712	
03	DSD	2012E	2059D	S08	W56	01	30.7		02	9	9	E	PALE	4712	
03	SDF	2038E	2039D	S08	E30	02	6.1		04	0	0	E	PALE	4711	
03	DSD	2107E	0342D	S09	E26	02	5.8		02	9	9	E	PALE	4711	
03	DSD	2300E	0048D	S06	E29	02	6.1		03	9	9	E	LEAR	4711	
03	ADF	2300E	1013D	S06	E28	02	6.0	3	05	9	9	E	LEAR	4711	
03	AFS	2302E	1013D	S01	W50	01	31.2		02	9	9	E	LEAR	4712	
03	DSD	2336E	0046D	S09	E23	02	5.7		02	9	9	E	PALE	4711	
03	ADF	2357E	1013D	S05	E20	02	5.5	2	04	9	9	E	LEAR	4711	
04	ADF	0056E	0342D	S06	E19	02	5.5	1	02	8	6	E	PALE	4711	
04	ADF	0159E	1013D	S02	E25	02	5.9	2	03	9	9	E	LEAR	4711	
04	ADF	0210E	1013D	S01	E69	02	9.2	2	03	9	9	E	LEAR	4713	
04	DSD	1315E	2051D	S01	E55	02	8.6	2	02	9	9	E	RAMY	4713	
04	ADF	1315E	2051D	S07	E16	02	5.7	2	13	6	7	E	RAMY	4711	
04	AFS	2302E	0344D	S02	E60	02	9.4	1	02	9	8	E	PALE	4713	
04	ADF	2304E	0344D	S09	E15	02	6.1	1	09	9	9	E	PALE	4711	
04	DSD	2304E	2335D	S07	E18	02	6.3		02	9	9	E	PALE	4711	
04	ADF	2305E	1004D	S03	E15	02	6.1	2	03	9	9	E	LEAR	4711	
04	ADF	2305E	1004D	S04	E08	02	5.5	2	05	9	9	E	LEAR	4711	
04	ADF	2305E	1004D	S05	E20	02	6.4	2	10	9	9	E	LEAR	4711	
04	AFS	2307E	1004D	S07	W71	01	30.7		02	9	9	E	LEAR	4712	
04	AFS	2308E	1004D	N01	E60	02	9.4		02	9	9	E	LEAR	4713	

ACTIVE PROMINENCES AND FILAMENTS

FEBRUARY 1986

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/ USAF Reg#	Remarks
04	ADF	2335E	0344D	S06	E13	02	5.9	1	07	9	7	E	PALE	4711	
04	ADF	2337E	0040D	S06	E11	02	5.8	2	02	6	9	E	PALE	4711	
04	ADF	2337E	0344D	S06	E01	02	5.0	1	02	8	9	E	PALE	4711	
04	DSD	2348E	0014	S09	E16	02	6.2	1				V	VORO		
05	SDF	0040E	0048D	S06	E11	02	5.8		02	0	0	E	PALE	4711	
05	SDF	0100E	0105D	S06	E15	02	6.2		05	9	9	E	LEAR	4711	Flare Associated
05	DSD	0210E	0344D	S06	E10	02	5.8		01	9	9	E	PALE	4711	
05	DSD	0543E	0635D	S06	E12	02	6.1		06	9	9	E	LEAR	4711	
05	ADF	0735E	1004D	N04	E58	02	9.6	2	05	9	9	E	LEAR	4713	
05	ADF	0739E	1004D	S06	E15	02	6.4	1	06	9	9	E	LEAR	4711	
05	DSD	0959	1005	S06	E05	02	5.8	1				V	KHAR		
05	DSD	1045	1105	S11	E02	02	5.6	1				V	KHAR		
05	DSD	1342E	2159D	S08	E09	02	6.2	2	07	9	9	E	RAMY	4711	
05	ADF	1458E	2159D	S12	E03	02	5.8	2	03	9	9	E	RAMY	4711	
05	ADF	1708E	2159D	S02	E52	02	9.6	2	02	9	9	E	RAMY	4713	
05	ADF	1759E	0400D	S10	E01	02	5.8	1	06	9	9	E	PALE	4711	
05	ADF	2040E	0026D	S07	E03	02	6.1	1	07	9	9	E	HOLL	4711	
05	ASR	2245E	0400D	S01	W90	01	30.3			9	9	E	PALE	4712	
05	ADF	2312E	1028D	S07	W01	02	5.9	2	05	9	9	E	LEAR	4711	
05	ADF	2313E	1028D	S05	E03	02	6.2	2	03	9	9	E	LEAR	4711	
06	ASR	0040E	1028D	S01	W90	01	30.4			9	9	E	LEAR	4712	
06	ADF	0247E	1028D	S05	W03	02	5.9	2	05	7	7	E	LEAR	4711	
06	AFS	0414E	1028D	N01	E44	02	9.5		02	9	9	E	LEAR	4713	
06	DSD	0600E	0650D	N01	E38	02	9.1		07	9	9	E	LEAR	4713	
06	BSL	0730E	0730D	N76	E90	02	14.6	1-				C	CATA		
06	BSL	0840E	0845	N87	W90	01	29.0	1-				C	CATA		
06	BSL	0850	0915	S02	W90	01	30.7	1				V	KHAR		
06	BSL	1135	1140	S03	W90	01	30.8	1-				C	CATA		
06	ASR	1150E	1727D	S05	W90	01	30.9	2		9	9	E	RAMY	4712	
06	ADF	1150E	2125D	S02	E34	02	9.0	1	04	9	9	E	RAMY	4713	
06	ADF	1150E	2125D	S13	W12	02	5.6	2	06	9	8	E	RAMY	4711	
06	BSL	1155	1155D	N86	E90	02	14.9	1-				C	CATA		
06	DSD	1736E	2036D	S10	W04	02	6.4	2	04	9	9	E	RAMY	4711	
06	ADF	1819E	0408D	S07	W19	02	5.3	1	02	7	9	E	PALE	4711	
06	ADF	1819E	0408D	S13	W13	02	5.8	2	07	9	9	E	PALE	4711	
06	SDF	1921E	1930D	S12	W12	02	5.9		03	0	0	E	PALE	4711	
06	ADF	1939E	2125D	S09	W18	02	5.5	2	02	9	9	E	RAMY	4711	
06	ADF	2040E	0026D	S07	E03	02	7.1	1	07	9	9	E	HOLL	4711	
06	ASR	2322E	0217D	S06	W90	01	31.2			9	9	E	LEAR	4712	
06	ADF	2353E	1035D	N01	E29	02	9.2	2	03	9	9	E	LEAR	4713	
06	AFS	2354E	1035D	N01	E33	02	9.5	2	02	9	9	E	LEAR	4713	
07	ADF	0010	0156	S07	W13	02	6.0	1				V	VORO		
07	ADF	0010	0156	S10	W20	02	5.5	1				V	VORO		
07	ADF	0102E	1035D	S07	W12	02	6.1	2	09	9	9	E	LEAR	4711	
07	ADF	0103E	0105D	S17	W13	02	6.0	2	10	9	9	E	LEAR	4711	
07	ADF	0104E	1035D	S09	W18	02	5.7	1	08	9	9	E	LEAR	4711	
07	ADF	0716E	1400D	S07	W14	02	6.2	2	18	9	9	E	ATHN	4711	
07	BSL	0815E	0825	N28	E90	02	14.4	1-				C	CATA		
07	ADF	0848E	1400D	S04	E22	02	9.0		07	8	8	E	ATHN	4713	
07	DSD	1035	1142	S11	W23	02	5.7	2				V	KHAR		
07	ADF	1220E	2118D	S05	E23	02	9.2	1	06	9	9	E	RAMY	4713	
07	LPS	1240E	1305D	S12	W22	02	5.9	1		5	9	E	RAMY	4711	
07	AFS	1758E	0405D	N00	E17	02	9.0		01	9	9	E	PALE	4713	
07	ADF	1758E	0405D	S08	W24	02	5.9	1	02	9	9	E	PALE	4711	
07	ADF	2255E	1010D	N01	E20	02	9.4	1	04	9	9	E	LEAR	4713	
07	AFS	2255E	1010D	N02	E12	02	8.8	2	03	9	9	E	LEAR	4713	
07	ADF	2255E	1010D	S07	W21	02	6.4	1	05	9	9	E	LEAR	4711	
07	AFS	2300E	0031D	N01	E09	02	8.6		02	9	9	E	HOLL	4713	
08	AFS	0710E	1225D	S01	E06	02	8.7		03	9	9	E	ATHN	4713	
08	ADF	0710E	1225D	S03	E12	02	9.2		05	9	9	E	ATHN	4713	
08	ADF	0710E	1225D	S07	W28	02	6.2		06	9	9	E	ATHN	4711	
08	ADF	0710E	1225D	S11	W36	02	5.6		08	9	9	E	ATHN	4711	
08	ADF	0900	0935	S11	W34	02	5.8	1				V	KHAR		
08	BSL	0930E	0935	N58	E90	02	16.2	1-				C	CATA		
08	ADF	1159E	2138D	S04	E10	02	9.2	1	04	9	9	E	RAMY	4713	
08	ADF	1159E	2138D	S10	W31	02	6.2	1	05	9	9	E	RAMY	4711	
08	ADF	1159E	2138D	S13	W37	02	5.7	1	07	9	9	E	RAMY	4711	

ACTIVE PROMINENCES AND FILAMENTS

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FEBRUARY 1986

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
08	ADF	1849E	0314D	S03	E07	02	9.3	1	04	9	8	E	PALE	4713	
08	ADF	1849E	0314D	S12	W33	02	6.3	2	13	9	9	E	PALE	4711	
08	ADF	2325E	1013D	S06	W35	02	6.3	2	09	9	9	E	LEAR	4711	
08	ADF	2325E	1013D	S09	W45	02	5.6	2	12	9	9	E	LEAR	4711	
08	ADF	2326E	1013D	S05	W40	02	6.0	2	03	9	9	E	LEAR	4711	
08	ADF	2348E	1013D	S01	E04	02	9.3	2	05	9	9	E	LEAR	4713	
08	ADF	2348E	1013D	S14	E05	02	9.4	1	12	8	9	E	LEAR		
08	AFS	2349E	0840D	N10	E03	02	9.2		03	9	9	E	LEAR		
08	AFS	2349E	1013D	N02	W02	02	8.8		03	9	9	E	LEAR	4713	
09	ADF	0630	0905	S08	W49	02	5.6					V	ATHN		
09	AFS	0630E	0905D	N01	W07	02	8.7		02		9	E	ATHN	4713	
09	ADF	0630E	0905D	S02	E11	02	10.1	1	05	9	9	E	ATHN	4713	
09	ADF	0630E	0905D	S03	W04	02	9.0	1	07	9	9	E	ATHN	4713	
09	ADF	0630E	0905D	S10	W43	02	6.0	1	10	9	9	E	ATHN	4711	
09	BSL	0750	0750D	S33	W90	02	2.2	1-				C	CATA		
09	BSL	0900	0905	S63	W90	02	1.4	1-				C	CATA		
09	BSL	1050	1050D	S68	W90	02	1.3	1-				C	CATA		
09	ADF	1307E	2042D	S13	W57	02	5.2	1	07	9	9	E	RAMY	4711	
09	ADF	1307E	2042D	S14	W45	02	6.1	1	10	9	9	E	RAMY	4711	
09	ADF	1320E	2042D	S03	W07	02	9.0	1	04	9	9	E	RAMY	4713	
09	AFS	1320E	2042D	S03	W09	02	8.9		01	9	9	E	RAMY	4713	
09	ADF	1350E	2042D	S08	W55	02	5.4	2	03	9	9	E	RAMY	4711	
09	AFS	1759E	2042D	S01	W14	02	8.7		02	9	8	E	RAMY	4713	
09	ADF	2234E	0354D	S03	W10	02	9.2	1	05	8	9	E	PALE	4713	
09	ADF	2234E	0354D	S05	W19	02	8.5	1	08	7	8	E	PALE	4713	
09	ADF	2234E	0354D	S12	W48	02	6.3	1	14	9	9	E	PALE	4711	
09	AFS	2340E	0455D	S23	W23	02	8.2		01	9	9	E	LEAR		
09	ADF	2345E	1008D	S11	W46	02	6.5	2	36	9	9	E	LEAR	4711	
10	ADF	0022	0259D	S00	W19	02	8.6	2				V	VORO		
10	ADF	0022	0259D	S04	W15	02	8.9	2				V	VORO		
10	AFS	0027E	0354D	S25	W25	02	8.1	1	01	9	9	E	PALE		
10	ADF	0050E	1008D	S03	W16	02	8.8	2	09	9	8	E	LEAR	4713	
10	AFS	0231E	0354D	S01	W18	02	8.8	1	02	9	8	E	PALE	4713	
10	ADF	0755E	1430D	N02	W10	02	9.6		04	7	7	E	ATHN	4713	
10	ADF	0755E	1430D	N03	W11	02	9.5		02	7	7	E	ATHN	4713	
10	AFS	0755E	1430D	S01	W20	02	8.8		03	9	9	E	ATHN	4713	
10	ADF	0755E	1430D	S03	W13	02	9.3		05	7	7	E	ATHN	4713	
10	ADF	0755E	1430D	S04	W21	02	8.7		04	8	8	E	ATHN	4713	
10	ADF	0755E	1430D	S13	W45	02	6.9		14	8	8	E	ATHN	4711	
10	ADF	0755E	1430D	S14	W58	02	5.9		12	8	8	E	ATHN	4711	
10	BSL	0955	1000D	S59	W90	02	2.5	1-				C	CATA		
10	SDF	1008E	2242D	N01	W33	02	7.9		07	0	0	E	LEAR	4713	
10	ADF	1315E	1943D	S03	W35	02	7.9	2	06	9	8	E	RAMY	4713	
10	AFS	1315E	2028D	S02	W25	02	8.7		02	9	8	E	RAMY	4713	
10	ADF	1315E	2028D	S04	W22	02	8.9	1	03	9	9	E	RAMY	4713	
10	ADF	1315E	2028D	S07	W28	02	8.4	1	04	9	9	E	RAMY	4713	
10	ADF	1315E	2028D	S10	W60	02	6.0	2	08	9	9	E	RAMY	4711	
10	ADF	1315E	2028D	S13	W72	02	5.1	2	05	9	9	E	RAMY	4711	
10	ADF	1750E	0034D	S08	W61	02	6.2	2	12	9	9	E	HOLL	4711	
10	SDF	1943E	1943D	S03	W35	02	8.2		06	0	0	E	RAMY	4713	
10	APR	2000E	2231D	S11	W80	02	4.8	1		9	9	E	HOLL	4711	
10	SDF	2010E	2055D	N08	W33	02	8.4		08	0	0	E	HOLL	4713	
10	DSD	2154E	2231D	S06	W80	02	4.9	2	02	9	9	E	HOLL	4711	Flare Associated
10	ADF	2304E	1007D	S05	W67	02	5.9	2	03	9	9	E	LEAR	4711	
10	ADF	2304E	1007D	S13	W59	02	6.5	2	15	9	9	E	LEAR	4711	
10	ADF	2306E	1007D	N01	W26	02	9.0	2	03	9	9	E	LEAR	4713	
10	AFS	2306E	1007D	N02	W30	02	8.7		02	9	9	E	LEAR	4713	
10	ADF	2306E	1007D	N03	W18	02	9.6	2	14	9	9	E	LEAR	4713	
11	APR	0645E	0700D	N20	W90	02	4.4			8	5	E	ATHN		
11	ADF	0645E	0940D	S03	W29	02	9.1		06	9	9	E	ATHN	4713	
11	AFS	0645E	0940D	S03	W34	02	8.7	1	02	9	9	E	ATHN	4713	
11	ADF	0645E	0940D	S11	W65	02	6.4	1	15	9	9	E	ATHN	4711	
11	APR	0800E	1007D	N31	W90	02	4.2			9	9	E	LEAR		
11	DSD	0900E	0925D	S04	W40	02	8.4	1	05	7	9	E	ATHN	4713	
11	BSL	1120	1130	N79	E90	02	19.8	1-				C	CATA		
11	AFS	1315E	1943D	S01	W46	02	8.1	1	02	9	9	E	RAMY	4713	
11	ADF	1315E	1943D	S03	W33	02	9.1	2	05	7	8	E	RAMY	4713	
11	ADF	1315E	1943D	S12	W71	02	6.2	2	16	9	9	E	RAMY	4711	

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
11	ADF	1442E	2246D	S09	W71	02	6.3	2	09	9	9	E	HOLL	4711	
11	AFS	1610E	1755D	N02	W43	02	8.5		02	9	9	E	HOLL	4713	
11	APR	2000E	2231D	S11	W80	02	5.8	1		9	9	E	HOLL	4711	
11	ADF	2154E	0034D	N03	W40	02	8.9	2	06	9	9	E	HOLL	4713	
11	DSD	2154E	2231D	S06	W80	02	5.9	2	02	9	9	E	HOLL	4711	Flare Associated
11	ADF	2258E	1013D	N03	W33	02	9.5	2	05	9	9	E	LEAR	4713	
12	APR	0010E	1013D	S04	W90	02	5.3	2		9	9	E	LEAR	4711	
12	AFS	0011E	1013D	N03	W47	02	8.5		02	9	9	E	LEAR	4713	
12	DSD	0022E	0330D	S03	W47	02	8.5		01	9	9	E	PALE	4713	
12	AFS	0022E	0330D	S04	W47	02	8.5		01	9	9	E	PALE	4713	
12	APR	0038	0300D	S06	W90	02	5.3	1				V	VORO		
12	BSL	0820	0840	N77	W90	02	4.0	1-				C	CATA		
12	ADF	0950E	1336D	S03	W41	02	9.3	1	05	7	7	E	ATHN	4713	
12	DSD	1003	1040	N02	W56	02	8.2	1				V	KHAR		
12	APR	1030E	1035D	S09	W90	02	5.7	2		9	9	E	ATHN	4711	
12	ADF	1055E	1336D	N01	W48	02	8.9	1	03	9	9	E	ATHN	4713	
12	AFS	1055E	1336D	N03	W51	02	8.6		02	9	9	E	ATHN	4713	
12	SSB	1330		117	W44	02	9.2			0	0	E	RAMY		
12	ADF	1330E	2107D	N01	W43	02	9.3	2	09	9	9	E	RAMY	4713	
12	ADF	1330E	2107D	S03	W62	02	7.9	2	09	9	9	E	RAMY	4713	
12	APR	1330E	2107D	S10	W84	02	6.2	2		8	9	E	RAMY	4711	
12	SSB	1520		118	W45	02	9.2			0	0	E	HOLL		
12	DSD	1630E	1725D	S01	W61	02	8.1		04	8	8	E	HOLL	4713	
12	DSD	1718E	2107D	N02	W59	02	8.3	2	03	9	9	E	RAMY	4713	
12	ADF	1733	0039D	N01	W61	02	8.2	1	05	9	9	E	HOLL	4713	
12	DSD	1733	2347D	S02	W61	02	8.2	1	05	9	9	E	HOLL	4713	
12	APR	1748E	2347D	S13	W85	02	6.3	2		9	9	E	HOLL	4711	
12	ADF	2312E	1012D	N00	W52	02	9.1	1	05	9	9	E	LEAR	4713	
12	ADF	2312E	1012D	N05	W44	02	9.7	2	08	9	9	E	LEAR	4713	
12	APR	2316E	1012D	S12	W90	02	6.2	2		9	9	E	LEAR	4711	
12	ADF	2324E	2325D	N02	W58	02	8.6	2	06	9	9	E	LEAR	4713	
13	AFS	0208E	1012D	S16	W53	02	9.1	2	02	9	9	E	LEAR	4713	
13	BSL	0615	0806	S18	W90	02	6.4	1				C	ABST		
13	DSD	0905	0925	N02	W71	02	8.1	1				V	KHAR		
13	DSD	0928	0937	N08	W71	02	8.1	1				V	KHAR		
13	DSD	0955	1015	N04	W68	02	8.3	1				V	KHAR		
13	APR	1007	1120	N04	W90	02	6.7	1				V	KHAR		
13	ADF	1125E	1815D	S01	W59	02	9.1	1	08	9	9	E	RAMY	4713	
13	APR	1142	1200	N04	W90	02	6.7	1				V	KHAR		
13	APR	1215E	1708D	N00	W90	02	6.8	2		9	9	E	RAMY	4713	
13	APR	1215E	1708D	S13	W90	02	6.7	2		9	9	E	RAMY	4711	
13	DSD	1714E	1815D	S01	W69	02	8.6	2	05	9	9	E	RAMY	4713	
13	DSD	1732E	1803D	N00	W70	02	8.5		05	9	9	E	HOLL	4713	Flare Associated
13	SDF	1752E	1752D	S01	W69	02	8.6	2	10	0	0	E	HOLL	4713	
13	ADF	1834E	0412D	S01	W62	02	9.1	1	06	8	9	E	PALE	4713	
13	DSD	1855E	1857D	S01	W62	02	9.1		02	9	9	E	PALE	4713	
13	DSD	1855E	2310D	N01	W71	02	8.5		04	9	9	E	PALE	4713	
13	DSD	1908E	2156D	N01	W71	02	8.5	2	06	9	8	E	HOLL	4713	
13	ASR	2003E	2124D	S10	W90	02	7.1			9	9	E	PALE	4711	
13	APR	2006E	2201D	S11	W90	02	7.1			8	8	E	HOLL		
13	APR	2124E	0145D	S14	W90	02	7.1			7	7	E	PALE	4711	
13	ADF	2312E	1034D	N04	W59	02	9.5	1	09	9	9	E	LEAR	4713	
13	BSL	2346	0015	S09	W90	02	7.2	1				V	VORO		
13	ASR	2350E	0145D	S11	W90	02	7.2			9	9	E	PALE	4711	
13	ASR	2354E	0155D	S11	W90	02	7.2			9	9	E	LEAR	4711	
14	BSL	0020	0051	S10	W90	02	7.2	1				V	VORO		
14	ASR	0109E	0230D	N00	W90	02	7.3			9	9	E	LEAR	4713	
14	AFS	0159E	0950D	N00	W71	02	8.8		02	9	9	E	LEAR	4713	
14	AFS	0306	1034D	N03	W76	02	8.4	1	03	9	9	E	LEAR	4713	
14	ASR	0322E	0335D	N01	W90	02	7.4			9	9	E	LEAR	4713	
14	APR	0442E	1034D	S01	W90	02	7.5	1		9	9	E	LEAR	4713	
14	ADF	0742E	1330D	N02	W67	02	9.3	1	05	9	9	E	ATHN	4713	
14	ADP	0900	0950	N03	W75	02	8.8	1				V	KHAR		
14	BSL	0950	1105	N04	W90	02	7.7	1				V	KHAR		
14	DSD	0950E	1034D	N00	W72	02	9.0		02	9	9	E	LEAR	4713	
14	ASR	0956E	1330D	N01	W90	02	7.7	2		9	9	E	ATHN	4713	
14	APR	0958	1417D	N01	W90	02	7.7	2				C	WEND		
14	LPS	1121E	1953D	N02	W88	02	7.9	2		9	9	E	RAMY	4713	

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
14	SSB	1253		117	W70	02	9.2			0	0	E	RAMY		
14	ASR	1450E	2355D	N01	W90	02	7.9			7	7	E	HOLL	4713	
14	ADF	1530E	2139D	N02	W69	02	9.5	1	11	9	9	E	RAMY	4713	
14	DSD	1545	1610D	S04	W78	02	8.8	2	12	9	9	E	RAMY	4713	
14	ASR	1623E	2139D	N03	W90	02	7.9	2		9	9	E	RAMY	4713	
14	ASR	2010E	0310D	N00	W90	02	8.1			9	9	E	PALE	4713	
14	LPS	2212E	2215D	N02	W90	02	8.2			9	9	E	PALE	4713	
14	ASR	2315E	1029D	N05	W90	02	8.2	1		9	9	E	LEAR	4713	
15	LPS	0225E	0325	N05	W90	02	8.4	2		9	9	E	LEAR	4713	
15	BSL	0408E	0435D	S04	W90	02	8.4	2		9	9	E	LEAR	4713	
15	ASR	0435	1029D	S04	W90	02	8.5			9	9	E	LEAR	4713	
15	APR	0809E	1246D	N00	W90	02	8.6	1				C	WEND		
15	LPS	0840	1029D	N05	W90	02	8.6			9	9	E	LEAR	4713	
15	ADF	1151E	2023D	S38	W04	02	15.2	2	08	9	9	E	RAMY		
15	ASR	1151E	2155D	S02	W86	02	9.1	2		9	9	E	RAMY	4713	
15	APR	1544E	1926D	S01	W90	02	8.9	1		7	8	E	RAMY	4713	
15	ASR	1650E	2355D	S02	W89	02	9.0			9	9	E	HOLL	4713	
15	BSL	2316	2350	S05	W90	02	9.2	2				V	VORO		
15	ASR	2331E	0329D	N01	W90	02	9.2			9	9	E	LEAR		
15	ASR	2331E	0329D	S01	W90	02	9.2			9	9	E	LEAR		
16	BSL	0000	0020	S02	W90	02	9.3	1				V	VORO		
16	BSL	0030	0111D	S07	W90	02	9.3	2				V	VORO		
16	ADF	0140E	0329D	S16	E43	02	19.3	1	14	8	5	E	LEAR		
16	SDF	0140E	0605D	S16	E43	02	19.3		14	9	9	E	LEAR		
16	BSL	0207	0240	S05	W90	02	9.3	2				V	VORO		
16	SDF	0255E	1731D	S18	E37	02	18.9		14	0	0	E	PALE		
16	BSL	0705E	0715	S04	W90	02	9.6	1-				C	CATA		
16	BSL	0715	0720	S77	W90	02	8.0	1-				C	CATA		
16	BSL	0745	0755	S03	W90	02	9.6	1-				C	CATA		
16	BSL	0800	0805	S02	W90	02	9.6	1-				C	CATA		
16	BSL	0810	0815	S03	W90	02	9.6	1-				C	CATA		
16	BSL	0845E	0850D	S03	W90	02	9.6	1-				C	CATA		
16	BSL	1005	1015	N88	W90	02	8.0	1-				C	CATA		
16	BSL	1005	1025	S03	W90	02	9.7	1-				C	CATA		
16	BSL	1045	1055	N44	E90	02	23.9	1-				C	CATA		
16	BSL	1100	1115	N89	W90	02	8.0	1-				C	CATA		
16	ADF	1342E	2050D	N39	E38	02	19.6	1	09	8	7	E	RAMY		
16	ADF	1342E	2050D	S39	W18	02	15.1	1	08	8	7	E	RAMY		
17	BSL	1005E	1010D	S16	E90	02	24.2	1-				C	CATA		
17	ADF	1541E	1902D	N37	E23	02	19.5	1	06	8	7	E	RAMY		
17	ADF	1541E	1902D	S38	W33	02	15.0	1	08	8	7	E	RAMY		
18	BSL	1145	1155	N68	E90	02	26.6	1-				C	CATA		
18	SDF	2124E	2323D	S32	W52	02	14.8		16	0	0	E	HOLL		
18	SDF	2124E	2323D	S47	W72	02	12.9		16	0	0	E	HOLL		
19	BSL	0810E	0815D	N03	E90	02	26.1	1				C	CATA		
19	BSL	0915	0920D	N01	E90	02	26.1	1-				C	CATA		
19	BSL	0940	1000D	N02	E90	02	26.1	1-				C	CATA		
19	BSL	1010E	1025	N03	E90	02	26.1	1-				C	CATA		
19	BSL	1040	1110	S43	E90	02	26.9	1-				C	CATA		
19	BSL	1105	1110	N70	W90	02	11.3	1-				C	CATA		
20	BSL	0825	0835	S08	W90	02	13.6	1-				C	CATA		
21	AFS	0727E	0825D	N05	E10	02	22.0		01	9	7	E	LEAR		
21	ADF	0735E	1205D	S03	E68	02	26.4	1	07	9	9	E	ATHN	4714	
21	BSL	1055	1100D	S53	W90	02	13.7	1-				C	CATA		
21	DSD	1919E	2009D	S02	E54	02	25.8	1	02	9	9	E	HOLL	4714	
22	AFS	0640E	0828D	S09	W02	02	22.1		03	9	9	E	LEAR		
22	BSL	0740E	0800	S62	W90	02	14.3	1-				C	CATA		
23	ADF	0430E	0643D	N03	E43	02	26.4	1	08	9	9	E	LEAR	4714	
23	ADF	0635E	1400D	S16	E34	02	25.8		11	7	7	E	ATHN	4714	
23	BSL	0940	1010	N54	W90	02	15.6	1-				C	CATA		
23	BSL	1045E	1050D	N35	E90	03	2.6	1-				C	CATA		
23	AFS	2020E	2326D	S04	W28	02	21.7	1	02	8	8	E	PALE	4714	

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Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
23	ADF	2317E	0959D	N01	E33	02 26.4	2	14	9	9	E	LEAR	4714	
24	ADF	0730E	1330D	N00	E28	02 26.4	2	13	8	6	E	ATHN	4714	
24	BSL	0815	0825	S88	E90	03 4.8	1-				C	CATA		
24	BSL	0900E	0905D	N88	E90	03 4.8	1-				C	CATA		
24	BSL	1040E	1050D	N72	W90	02 16.2	1-				C	CATA		
24	BSL	1040E	1050D	S72	E90	03 4.7	1-				C	CATA		
24	BSL	1110E	1115D	S33	W90	02 17.3	1-				C	CATA		
24	BSL	1155E	1220	S73	E90	03 4.7	1-				C	CATA		
24	BSL	1210	1220	S82	E90	03 4.9	1-				C	CATA		
24	BSL	1240	1245D	N76	E90	03 4.8	1-				C	CATA		
24	AFS	2050E	2240D	S17	E02	02 25.0		02	9	9	E	HOLL		
24	ADF	2115E	0031D	S02	E13	02 25.8	1	02	9	9	E	HOLL	4714	
24	AFS	2116E	0350D	S17	W02	02 24.7	1	01	9	9	E	PALE		
24	ADF	2257E	0350D	S58	W19	02 23.3	2	09	8	9	E	PALE	4714	
25	SDF	0009E	0151D	S12	E14	02 26.1		04	0	0	E	PALE	4714	
25	ADF	0128E	0954D	S01	E18	02 26.4	1	09	9	9	E	LEAR	4714	
25	AFS	0218E	0954D	N00	W05	02 24.7	1	02	9	9	E	LEAR		
25	BSL	0935	0945D	S73	E90	03 5.6	1-				C	CATA		
25	BSL	1010	1015D	S48	W90	02 17.9	1-				C	CATA		
25	BSL	1250E	0735D	S10	E09	02 26.2	1				C	CATA		
25	ADF	1516E	1823D	S11	E08	02 26.2	1	05	9	9	E	HOLL	4714	
25	ADF	1914E	0415D	S19	E05	02 26.2	1	07	8	9	E	PALE	4714	
25	SDF	2006E	0339D	S04	E05	02 26.2		10	9	9	E	PALE	4714	
25	ADF	2332E	0000D	S06	E06	02 26.4	2	09	9	9	E	LEAR	4714	
25	SDF	2337E	0050D	S07	E04	02 26.3		04	9	9	E	HOLL	4714	
26	SDF	0000E	0431D	S06	E06	02 26.4		09	9	9	E	LEAR	4714	
26	BSL	1055	1100	S81	W90	02 18.1	1-				C	CATA		
26	BSL	1055E	1100	S22	E90	03 5.4	1-				C	CATA		
26	BSL	1055E	1100	S50	W90	02 18.8	1-				C	CATA		
26	AFS	1747E	0359D	N02	E01	02 26.8		01	7	7	E	PALE	4714	
26	ADF	1747E	0359D	S04	W04	02 26.4	1	03	9	9	E	PALE	4714	
26	AFS	1933E	0051D	N01	E00	02 26.8		02	8	8	E	HOLL	4714	
26	SDF	2006E	0339D	S04	E05	02 27.2		10	9	9	E	PALE	4714	
27	AFS	0720E	0952D	N03	W06	02 26.8		02	9	9	E	LEAR		
27	ADF	0720E	0952D	N03	W09	02 26.6	2	04	9	9	E	LEAR		
27	ADF	0905E	1210D	N02	W10	02 26.6		03	9	9	E	ATHN	4714	
27	DSD	1945E	0354D	N01	W15	02 26.7		02	8	8	E	PALE	4716	
27	ADF	2030E	0419D	N01	W18	02 26.5	1	03	9	7	E	PALE	4716	
27	SDF	2200E	0019D	S16	W40	02 24.9		03	0	0	E	HOLL		
27	ADF	2205E	0052D	N01	W16	02 26.7	1	02	8	9	E	HOLL	4716	
27	ASR	2257E	2325D	S02	E90	03 6.7			9	9	E	HOLL		
28	ADF	0300E	1000D	N03	W17	02 26.8	2	05	9	9	E	LEAR	4716	
28	APR	0545E	1000D	S05	E90	03 7.0	2		9	9	E	LEAR		
28	ADF	0730E	1000D	S02	W23	02 26.6	2	10	7	7	E	LEAR	4714	
28	APR	0900	0925	S01	E90	03 7.1	1				V	KHAR		
28	APR	1040	1210	S04	E90	03 7.2	2				V	KHAR		
28	ASR	1734E	0028D	N01	E90	03 7.4			9	9	E	HOLL	4717	
28	ADF	1945E	0330D	S08	W32	02 26.4	2	06	9	9	E	PALE	4714	
28	SDF	1945E	2139D	S08	W35	02 26.2		02	0	0	E	PALE	4714	
28	ADF	2001E	0330D	S09	E62	03 5.5	1	07	9	9	E	PALE	4715	
28	ASR	2009E	0046D	N03	E90	03 7.6			9	9	E	PALE	4717	
28	ASR	2354E	0045D	N06	E90	03 7.7			9	9	E	LEAR	4717	
28	APR	2355E	1003D	S06	E90	03 7.7	2		9	9	E	LEAR		
28	ADF	2357E	1003D	S10	E63	03 5.7	2	15	9	9	E	LEAR	4715	
28	ADF	2358E	1003D	S11	W37	02 26.2	2	09	6	9	E	LEAR	4714	

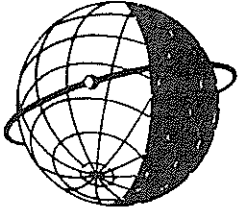
ADF = Active Dark Filament BSL = Bright Surge on Limb LPS = Loops
 AFS = Arch Filament System CAP = CAP Prominence (Tandberg-Hanssen) MDP = Mound Prominence
 APR = Active Prominence CRN = Coronal Rain SDF = Sudden Disappearing Filament
 ASR = Active Surge Region DSD = Dark Surge on Disk SPY = Spray
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

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

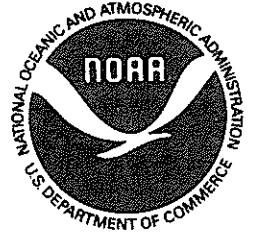
The EXTENT field for limb events is the radial extent above the limb in hundredths of solar radius. For disk events this field contains the heliographic extent in whole degrees.

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

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



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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."