

APRIL 2002 NUMBER 692 - Part II

Solar-Geophysical Data comprehensive reports



Data for October 2001 and Miscellaneous

Explanation of Data Reports Issued as Number 515 (Supplement) July 1987

NGDC On-Line Addresses:

World-Wide Web <http://www.ngdc.noaa.gov>
Gopher gopher.ngdc.noaa.gov
Anonymous FTP: ftp.ngdc.noaa.gov

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE,
DATA, AND INFORMATION SERVICE

NATIONAL GEOPHYSICAL
DATA CENTER

BOULDER,
COLORADO



U.S. DEPARTMENT OF COMMERCE

Donald L. Evans, Secretary

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Vice Admiral Conrad C. Lautenbacher, Jr., Under Secretary/Administrator

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE

Gregory W. Withee, Assistant Administrator

APRIL 2002 NUMBER 692 - Part II

Solar-Geophysical Data comprehensive reports

Data for October 2001 and Late Data

International Standard Serial Number: 0038-0911

Library of Congress Catalog Number: 79-640375 //r81

NATIONAL GEOPHYSICAL DATA CENTER

Michael S. Loughridge, Director

Boulder, Colorado

Subscription information is on the inside back cover.

SOLAR-GEOPHYSICAL DATA

Number 692

(Issued in Two Parts)

Editor: Helen E. Coffey

Chief: Herbert W. Kroehl
Solar-Terrestrial Physics Division

Staff: Edward H. Erwin

CONTENTS

PART I (PROMPT REPORTS)	Page
DETAILED INDEX FOR 2001-2002	2
DATA FOR MARCH 2002	3- 41
DATA FOR FEBRUARY 2002	43-156

PART II (COMPREHENSIVE REPORTS)	Page
DETAILED INDEX FOR 2001-2002	2
DATA FOR OCTOBER 2001	3-58

DETAILED INDEX OF OBSERVATIONS PUBLISHED IN SOLAR-GEOPHYSICAL DATA

CODE	KIND OF OBSERVATION	AUG 01	SEP	OCT	NOV	DEC	JAN 02	FEB	MAR
A. SOLAR AND INTERPLANETARY									
A.1	Sunspot Drawings	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.2aa	International Provisional Sunspot Numbers	685A 27	686A 27	687A 28	688A 26	689A 29	690A 30	691A 27	692A 28
A.2c	American Sunspot Numbers	685A 27	686A 27	687A 28	688A 26	689A 29	690A 30	691A 27	692A 28
A.3a	Mt. Wilson Magnetograms	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.3b	Sunspot Mag Class and Regions	686A105	687A105	688A102	689A103	690A 98	691A 90	692A 86	
A.3c	Kitt Peak Magnetograms	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.3d	Mean Solar Magnetic Field (Stanford)	685A 45	686A 49	687A 45	688A 45	689A 45	690A 43	691A 41	692A 39
A.3e	Stanford Magnetograms	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.4	H-alpha Filtergrams	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.5d	Photometric Ca II Faculae (San Fernando)	Jan 92-Dec 96 in 631B 22; 1997-1998 in 663B 66							
A.6c	Stanford Solar Mag Field Synoptic Maps	686A 52	687A 48	688A 48	689A 50	690A 48	691A 44	692A 44	
A.6d	Kitt Peak Solar Mag Field Synoptic Maps	686A 55	687A 56						
A.6f	Active Prominences and Filaments	690B 52	691B 74	692B 56					
A.6g	Sac Peak Coronal Line Synoptic Maps	686A 54	687A 52	688A 50	689A 56	690A 50	691A 46	692A 46	
A.6h	Photometric White Light (San Fernando)	Jul-Dec 96 630B 32; 1997-1998 in 663B 51							
A.7h	Coronal Line Emission (Sac Peak)	686A 56	687A 58	688A 54	689A 56	690A 54	691A 50	692A 50	
A.7j	Coronal Hole Daily Maps (NSO/KP)	686A 95	687A 96	688A 93	689A 94	690A 89	691A 81	692A 78	
A.7k	Coronal Index (Slovak Academy)	1939-1996 in 644B 28							
A.8aa	2800 MHz- Solar Flux (Penticton)	685A 27	686A 27	687A 28	688A 26	689A 29	690A 30	691A 27	692A 28
A.8ac	2800 MHz- Adj. Solar Flux (Penticton)	685A 27	686A 27	687A 28	688A 26	689A 29	690A 30	691A 27	692A 28
A.8g	Adjusted Daily Solar Fluxes (Learmonth)	685A 27	686A 27	687A 28	688A 26	689A 29	690A 30	691A 27	692A 28
A.10g	Nancay Radioheliograph - 164&327 MHz	686A154	687A171	688A159	689A144	690A145	691A130	692A137	
A.10h	Nobeyama Radioheliograph Maps - 17 GHz	686A 99	687A100	688A 96	689A 98	690A 92	691A 84	692A 81	
A.11g	Solar X-ray GOES (graphs/event table)	690B 42	691B 65	692B 46					
A.11k	Solar UV NOAA-9	May 86-Dec 88 in 566B 84							
A.11l	Solar UV NIMBUS7	Nov 78-Oct 84 in 542B 82							
A.11m	Solar UV SOLSTICE (UARS)	Oct 91-Sep 94 in 607B 46							
A.11n	Solar YOHKOH Soft X-ray Images	686A 87	687A 88	688A 85	689A 86	690A 85			
A.11o	Solar UV SUSIM (UARS)	Oct 91-Jan 97 in 629B 30							
A.12g	Solar Particles (GOES-7)	685A 4	686A 4	687A 4	688A 4	689A 4	690A 4	691A 4	692A 4
A.12h	Interplanetary Particles (SAMPEX)	Jul 95-Dec 96 in 632B 22; Jan-Dec 97 in 647B 33							
A.13e	Solar Plasma (IMP-8)	690B 54	691B 75	692B 58					
A.16c	ERBS, NOAA-9 & -10 Solar Irradiance	ERBS Oct 84-Jun 00 in 671B 36							
A.16d	UARS Solar Irradiance	Oct 91-May 2001 684B 26 - Complete Mission							
A.16e	VIRGO/SOHO Solar Irradiance	Jan 96-Sep 00 in 678B 46							
A.17c	Inferred Interplanetary Mag Field	1984-1988 data in 542A168; 1989-Jan 94 in 611A118							
A.17	IMP-8 Interplanetary Mag Field								
C. SOLAR FLARE-ASSOCIATED EVENTS									
C.1a	H-alpha Flares	685A 30	686A 30	687A 31	688A 29	689A 32	690A 33	691A 30	692A 31
C.1ba	H-alpha Flare Groups	690B 4	691B 4	692B 4					
C.1d	Flare Patrol Observations	690B 21	691B 26	692B 18					
C.1h	H-alpha Flare Index (ImpxDur)	Jan 76-Dec 85 in 639B 26; Jan 86-Oct 96 in 635B 24; Jan 96-Dec 98 in 665B 63							
C.3	Radio Bursts Fixed Frequency	690B 23	691B 28	692B 20					
C.3	Radio Bursts Fixed Frequency Selected	685A 42	686A 43	687A 41	688A 40	689A 43	690A 42	691A 38	692A 37
C.4	Radio Bursts Spectral	686A137	687A143	688A134	689A126	690A128	691A118	692A116	
C.6	Sudden Ionospheric Disturbances	686A133	687A140	688A131	689A123	690A125	691A116	692A114	
D. GEOMAGNETIC EVENTS									
D.1a	Geomagnetic Indices	686A164	687A182	688A166	689A151	690A155	691A139	692A147	
D.1ba	27-day Chart of Kp Indices	686A166	687A184	688A168	689A153	690A157	691A141	692A149	
D.1cb	Monthly Mean aa Indices	686A167	687A185	688A169	689A154	690A159	691A142	692A150	
D.1d	Principal Magnetic Storms	686A172	687A190	688A174	689A159	690A166	691A147	692A155	
D.1f	Sudden Commencements/Flare Effects	686A173	687A191	688A175	689A160	690A167	691A148	692A156	
D.1g	Equatorial Indices Dst	686A169	687A187	688A171	689A156	690A163	691A144	692A152	
D.1l	Polar Cap (PC) Index	686A170	687A188	688A172	689A157	690A164	691A145	692A153	
F. COSMIC RAYS									
F.1b	Cosmic Ray Neutron Cts (Climax)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1h	Cosmic Ray Neutron Cts (Thule)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1i	Cosmic Ray Neutron Cts (Kiel)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1n	Cosmic Ray Neutron Cts (Beijing)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1m	Cosmic Ray Neutron Cts (Haleakala)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1o	Cosmic Ray Neutron Cts (Moscow)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1p	Cosmic Ray Neutron Cts (Calgary)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
F.1r	Cosmic Ray Neutron Cts (Goose Bay)	686A156	687A174	688A161	689A146	690A147	691A131	692A139	
H. MISCELLANEOUS									
H.60	ISES Alert Periods	685A 20	686A 19	687A 20	688A 19	689A 20	690A 20	691A 18	692A 20

The entry "686A 56" under Aug 01, for example, means that the sunspot drawings for Aug 01 appear in SOLAR-GEOPHYSICAL DATA No. 686, Part I, and that they begin on page 56. "A" denotes Part I and "B", Part II. Blanks indicate data not yet received and dashes mark unavailable data.

CONTENTS

Comprehensive Reports

Number 692 Part II

DATA FOR OCTOBER 2001

	Page
SOLAR FLARES	
H-alpha Solar Flare Groups	4-17
Intervals of No Flare Patrol Observation	18
Number of Solar Flares January 1965-present	19
SOLAR RADIO BURSTS AT FIXED FREQUENCIES.....	20-45
SOLAR X-RAY RADIATION FROM GOES SATELLITE	
Graphs	46-51
Preliminary Event List	52-54
Preliminary Daily Average Background	55
ACTIVE PROMINENCES AND FILAMENTS	56-57
IMP-8 SOLAR WIND Plot	58
IMP-8 INTERPLANETARY MAGNETIC FIELD Plot – Instrument onboard IMP-8 is in failure mode.	

4
Oct 01

H α S O L A R F L A R E S

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
	01		0339		0544			No Flare Patrol										
0001	SVTO	01	0613	0616	0624	S29	W76	9628	09	25.4	11	SF	2	E		42		F
0002	SVTO	01	0633	0639	0644	S29	W76	9628	09	25.4	11	SF	3	E		19		F
0003	SVTO	01	0918	0923	0934	N10	W24	9636	09	29.7	16	SF	3	E		19		F
0004		01	1140	11401	1147	N14	W24	9636	09	29.8	7	SF				12		F
	RAMY	01	1140	1140	1147	N15	W24	9636	09	29.8	7	SF	3	E		13		F
	SVTO	01	1140	1141	1147	N14	W24	9636	09	29.8	7	SF	3	E		10		F
0005	RAMY	01	1407	1408	1415	S18	W88	9628	09	25.0	8	SF	3	E		86		
		01	1829		2011			No Flare Patrol										
		01	2034		2310			No Flare Patrol										
0006	LEAR	01	2343	2344	2353	S16	W86	9632	09	25.6	10	SF	1	E		80		F
0007	SVTO	02	1125	1127	1145D	S15	E17	9641	10	3.8	20D	SF	3	E		34		F
0008	HOLL	02	1541E	1550U	1555	N11	W42	9634	09	29.6	14D	SF	3	E		18		F
		02	1842		1926			No Flare Patrol										
0009	HOLL	02	1928	1943	2026	S15	W11	9645	10	2.0	58	SF	3	E		21		F
		02	2047		2102			No Flare Patrol										
0010	HOLL	02	2105	2106	2126	S15	W12	9645	10	2.0	21	SF	3	E		14		
		02	2151		2229			No Flare Patrol										
0011	HOLL	02	2212	2237	2240	S16	W15	9645	10	1.8	28	SF	3	E		28		
0012	LEAR	03	0049	0049	0053	S08	E80	9648	10	9.0	4	SF	1	E		20		
0013	URUM	03	0440	0500	0520	N08	E03	9640	10	3.4	40	2B		C		530	5.5	E
0014		03	06411	06421	0651	N18	W46	9636	09	29.9	10	SF				92		H
	LEAR	03	0641	0643	0651	N19	W46	9636	09	29.9	10	SF	3	E		98		
	SVTO	03	0642	0642	0651	N16	W45	9636	09	30.0	9	SF	3	E		87		H
0015	SVTO	03	1233	1238	1247	S20	E73	9650	10	9.1	14	SF	3	E		91		
0016	SVTO	03	1409	1409	1421	S18	W18	9645	10	2.2	12	SF	3	E		20		
0017	SVTO	03	1430	1434	1441	N18	W26	9644	10	1.6	11	SF	3	E		15		F
		03	1658		1706			No Flare Patrol										
0018	HOLL	03	1708E	1708U	1718D	N13	W55	9634	09	29.7	10D	SF	3	E		57		F
		03	1713		1717			No Flare Patrol										
0019	HOLL	03	1852	1852	1907	S15	W30	9645	10	1.5	15	SF	3	E		21		FH
0020	HOLL	03	1917	1928	1939	N13	W59	9634	09	29.4	22	1F	3	E		100		F
0021	HOLL	03	2014	2015	2019	N15	W46	9636	09	30.4	5	SF	3	E		19		
0022	HOLL	03	2027	2032	2037	N14	W58	9634	09	29.6	10	SF	3	E		14		
		03	2152		2159			No Flare Patrol										
		03	2205		2245			No Flare Patrol										
0023	LEAR	04	0234	0234	0238	N15	W58	9636	09	29.8	4	SF	2	E		17		FH
0024	LEAR	04	0310	0311	0318	N15	W57	9636	09	29.9	8	SF	2	E		50		F

H α S O L A R F L A R E S

5
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/		CMP	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Region	Mo								Day	Apparent (10-6 Disk)	
	04	0332			0452	No Flare Patrol											
0025	04	06081	06103	0616	S20 W36	9645	10	1.5	8	SF				12			F
	SVTO	04 0608	0610	0616	S22 W35	9645	10	1.6	8	SF		3	E	13			F
	LEAR	04 0609	0613	0615	S18 W38	9645	10	1.4	6	SF		2	E	10			F
0026	04	0634	06341	0638	S18 W38	9645	10	1.4	4	SF				19			F
	SVTO	04 0634	0634	0640	S20 W37	9645	10	1.4	6	SF		3	E	16			F
	LEAR	04 0634	0635	0637	S16 W39	9645	10	1.3	3	SF		2	E	22			F
0027	LEAR	04 0758	0800	0802	S17 E65	9650	10	9.3	4	SF		2	E	28			
0028	RAMY	04 1222	1227	1236	N11 W63	9634	09	29.9	14	SF		3	E	13			F
0029	04	1416	1419	1427	N17 W41	9644	10	1.5	11	SF				42			F
	RAMY	04 1416	1419	1426	N18 W41	9644	10	1.5	10	SF		3	E	42			F
	SVTO	04 1416	1419	1428	N16 W41	9644	10	1.5	12	SF		3	E	41			
	04	1914		1921	No Flare Patrol												
0030	HOLL	04 1954	1959	2008	S11 W16	9641	10	3.6	14	SF		4	E	19			F
	04	2013		2028	No Flare Patrol												
	04	2047		2202	No Flare Patrol												
	04	2229		2356	No Flare Patrol												
	05	0027		0519	No Flare Patrol												
	05	1042		1048	No Flare Patrol												
	05	1108		1115	No Flare Patrol												
0031	SVTO	05 1133	1134	1141	S12 W26	9641	10	3.5	8	SF		3	E	29			
0032	SVTO	05 1343	1346	1349	N12 W78	9636	09	29.8	6	SF		3	E	15			
0033	SVTO	05 1353	1355	1401	S13 E49	9650	10	9.3	8	SF		3	E	56			
0034	SVTO	05 1529	1530U	1533D	N11 W80	9636	09	29.7	4D	SF		2	E	32			
	05	1534		1540	No Flare Patrol												
	05	1556		1619	No Flare Patrol												
	05	1916		1934	No Flare Patrol												
0035	HOLL	05 2017	2018	2024	S14 W68	9637	09	30.7	7	SF		3	E	35			
0036	HOLL	05 2111	2113	2155	S12 W29	9641	10	3.7	44	1F		4	E	110			FU
	06	0024		0630	No Flare Patrol												
	06	0746		0754	No Flare Patrol												
0037	SVTO	06 1041	1041	1049	S14 E38	9650	10	9.3	8	SF		3	E	46			
	06	1202		1222	No Flare Patrol												
	06	1300		1321	No Flare Patrol												
	06	1326		1358	No Flare Patrol												
0038	HOLL	06 1723	1736	1811	S05 E31	9648	10	9.0	48	1F		3	E	102			FH
	07	0225		0232	No Flare Patrol												
	07	0242		0529	No Flare Patrol												
0039	SVTO	07 0730	0731	0737	S22 E51	9653	10	11.2	7	SF		3	E	39			
0040	HOLL	07 1637	1637	1645	S17 E21	9650	10	9.3	8	SF		3	E	17			F
0041	HOLL	07 1654	1656	1725	S20 E10	9650	10	8.5	31	SF		3	E	41			FS
0042	HOLL	07 1927	1929	1934	S16 E19	9650	10	9.2	7	SF		3	E	14			
0043	HOLL	07 2254	2254	2300	S16 E17	9650	10	9.2	6	SF		3	E	31			F

6
Oct 01

H α S O L A R F L A R E S

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0044	HOLL	08	1514	1514	1520	N08	W29	9654	10	6.5	6	SF		3	E		10		
		08	1804		1810			No Flare Patrol											
		08	1914		1925			No Flare Patrol											
		08	1934		1948			No Flare Patrol											
		08	2017		2028			No Flare Patrol											
		08	2208		2212			No Flare Patrol											
		08	2224		2235			No Flare Patrol											
		08	2252		2300			No Flare Patrol											
0045	LEAR	09	0727	0728	0736	N19	E67	9657	10	14.4	9	SF		2	E		48		F
0046		09	1059	1100	1210	S26	E09	9653	10	10.1	71	2N				1057	411		EFLO
	KHAR	09	1057E		1210	S25	E10	9653	10	10.2	73D	1N		2	P		420		LOE
	SVTO	09	1059	1100	1204D	S28	E08	9653	10	10.1	65D	2F		2	E		402		F
0047	RAMY	09	1108E	1108U	1220	S23	E17	9653	10	10.8	72D	2F		3	E		572		F
0048		09	1410A	1414	1421	S12	E72	9658	10	15.0	11	SF					23		
	HOLL	09	1410	1414	1422	S12	E71	9658	10	14.9	12	SF		3	E		30		
	RAMY	09	1414	1414	1420	S11	E72	9658	10	15.0	6	SF		3	E		16		
		09	1710		1730			No Flare Patrol											
0049	HOLL	09	1826	1828	1832	N22	E59	9657	10	14.3	6	SF		3	E		31		H
0050	HOLL	09	1939	1944	1947	N21	E58	9657	10	14.3	8	SF		3	E		26		
0051	HOLL	09	1955	1957	1959	N22	E58	9657	10	14.3	4	SF		3	E		12		
0052	HOLL	09	2130	2205	2217	N23	E63	9657	10	14.7	47	SF		3	E		79		
		09	2140		2201			No Flare Patrol											
0053	HOLL	09	2319	2323	2327	N21	E56	9657	10	14.3	8	SF		3	E		34		
		10	0028		0112			No Flare Patrol											
0054	LEAR	10	0457	0506	0509	N19	E53	9657	10	14.2	12	SF		3	E		37		F
0055		10	0819	0820	0827	S14	E64	9658	10	15.2	8	SF					30		F
	LEAR	10	0819	0820	0824	S16	E64	9658	10	15.2	5	SF		3	E		26		F
	SVTO	10	0819	0820	0830	S12	E64	9658	10	15.2	11	SF		3	E		34		F
0056	SVTO	10	0917	0917	0929	S16	E66	9658	10	15.4	12	SF		3	E		18		
0057	KHAR	10	0917	0919	0935	S11	E65	9658	10	15.3	18	SN		2	P	0924	85		DH
0058	KHAR	10	0924		0930	N27	E53	9657	10	14.5	6	SF		2	P	0924	40		D
0059	KHAR	10	0936	0938	0954	S13	W12	9650	10	9.5	18	SF		2	P	0942	135		E
0060	KHAR	10	0955	0957	1006	N21	E90	9661	10	17.3	11	SF		2	P	1001	50		D
0061	KHAR	10	1008		1021	N03	W75		10	4.8	13	SF		2	P	1009	35		D
0062		10	1059A	1100A	1113	S11	E65	9658	10	15.3	14	SF					72		DF
	RAMY	10	1057E	1102U	1114	S12	E63	9658	10	15.2	17D	SF		3	E		115		F
	SVTO	10	1059	1100	1107	S13	E65	9658	10	15.4	8	SF		3	E		29		F
	KHAR	10	1103	1104	1118	S09	E66	9658	10	15.5	15	SF		2	V				D
0063	SVTO	10	1339E	1339	1344	N23	E53	9657	10	14.6	5D	SF		3	E		15		
0064		10	14201	14205	1427	S22	E10	9653	10	11.4	7	SF					16		F
	RAMY	10	1420	1420	1426	S22	E10	9653	10	11.4	6	SF		3	E		18		
	SVTO	10	1421	1421	1425	S23	E12	9653	10	11.5	4	SF		3	E		12		F
	HOLL	10	1421	1425	1431	S22	E08	9653	10	11.2	10	SF		3	E		18		F
0065	HOLL	10	1921	1928	1954	N22	E49	9657	10	14.6	33	SF		3	E		72		FU

H α SOLAR FLARES

7
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	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)		
		10	2110		2114		No Flare Patrol											
0066	LEAR	11	0418	0420	0426	N22	E46	9657	10	14.7	8	SF	3	E		27		U
0067	LEAR	11	0426	0426	0438	N22	E47	9657	10	14.8	12	SF	3	E		46		FU
0068	KHAR	11	0942	0944	0953	N13	E49	9662	10	15.1	11	SF	2	P	0942	60		D
0069	KHAR	11	1043		1053	N14	E15	9660	10	12.6	10	SF	2	V				D
0070	HOLL	11	1741	1744	1747	N15	E77	9661	10	17.6	6	SF	3	E		14		F
0071	HOLL	11	2207	2208	2215	S17	E46	9658	10	15.4	8	SF	3	E		14		F
0072	HOLL	11	2244	2245	2248	S14	E65	9663	10	16.8	4	SF	3	E		17		
0073	HOLL	12	0010E	0013	0027D	S17	E46	9658	10	15.5	17D	SF	3	E		30		F
0074	LEAR	12	0325	0325	0331	N12	E69	9661	10	17.3	6	SF	3	E		15		F
0075	LEAR	12	0420	0421	0428	N22	E32	9657	10	14.6	8	SF	3	E		19		
0076	SVTO	12	1057	1058	1100	N17	E61	9661	10	17.1	3	SF	3	E		16		
0077	SVTO	12	1104	1104	1112	S15	E36	9658	10	15.2	8	SF	3	E		25		
0078	SVTO	12	1137	1137	1141	S19	E38	9658	10	15.4	4	SF	3	E		10		
0079	SVTO	12	1150E	1200U	1220	N15	E60	9661	10	17.0	30D	SF	2	E		22		F
0080	RAMY	12	1154	1157	1212	S18	E08	9661	10	13.1	18	SF	3	E		69		
0081	HOLL	12	1716	1723	1733	N15	E59	9661	10	17.2	17	SF	3	E		13		
		12	1931		2154	No Flare Patrol												
0082	HOLL	12	2216	2217	2221	N09	E30	9662	10	15.2	5	SF	3	E		11		
0083	HOLL	12	2232	2233	2240	S18	E31	9658	10	15.3	8	SF	3	E		59		F
0084	LEAR	13	0522	0522	0531	S19	E34	9658	10	15.8	9	SF	3	E		30		F
0085	SVTO	13	0903	0904	0909	S06	W61	9648	10	8.8	6	SF	3	E		17		F
0086	SVTO	13	1228	1228	1241	N15	E47	9661	10	17.1	13	SF	3	E		37		F
0087	RAMY	13	1312	1314	1317	S15	E23	9658	10	15.3	5	SF	3	E		18		
0088		13	2339A	2343I	2354	S14	E16	9658	10	15.2	15	SF				29		F
	HOLL	13	2339	2344	2359	S14	E17	9658	10	15.3	20	SF	3	E		46		F
	LEAR	13	2343	2343	2349	S13	E15	9658	10	15.1	6	SF	3	E		12		F
0089	HOLL	14	1350	1406	1430	N16	E38	9661	10	17.4	40	SF	3	E		17		F
0090	HOLL	14	1421	1423	1425	N24	E83	9667	10	21.0	4	SF	3	E		10		
0091	HOLL	14	1522	1523	1540	S20	E11	9658	10	15.5	18	SF	3	E		21		F
0092	HOLL	14	1547	1550	1600	N16	E38	9661	10	17.5	13	SF	3	E		27		
0093	HOLL	14	1949	1956	2003	N14	E33	9661	10	17.3	14	SF	3	E		18		F
		15	0026		0250	No Flare Patrol												
		15	0300		0348	No Flare Patrol												
0094	SVTO	15	0751	0751U	0831	N17	E25	9661	10	17.2	40	SF	3	E		13		F
		15	0858		0932	No Flare Patrol												

8
Oct 01

H α SOLAR FLARES

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0095	SVTO	15	1037	1037	1042	N24	E69	9667	10	20.8	5	SF		3	E		22		
0096	SVTO	15	1258	1300	1317	N16	E22	9661	10	17.2	19	SF		3	E		16		
0097	HOLL	15	1516	1518	1532	N24	E67	9667	10	20.8	16	SF		3	E		42		H
0098	HOLL	15	1614	1616	1643	N16	E24	9661	10	17.5	29	SF		3	E		28		FH
0099	HOLL	15	2229	2230	2235	N11	E69	9669	10	21.1	6	SF		3	E		35		
		16	0059		0349	No Flare Patrol													
0100	SVTO	16	0630	0631	0637	S11	E13	9666	10	17.2	7	SF		3	E		13		F
0101	HOLL	16	1758	1807	1907	N16	E11	9661	10	17.6	69	SF		3	E		12		
0102	HOLL	16	1920	1928	2009	N14	E08	9661	10	17.4	49	SF		3	E		72		F
		17	0058		0552	No Flare Patrol													
0103		17	07161	07172	0744	N14	W03	9661	10	17.1	28	SF					40		F
	LEAR	17	0716	0719	0747	N13	W03	9661	10	17.1	31	SF		3	E		54		F
	SVTO	17	0717	0717	0741	N15	W03	9661	10	17.1	24	SF		3	E		25		F
0104		17	1119	1121U	1137	S17	W23	9658	10	15.7	18	SF					72		F
	RAMY	17	1118E	1124U	1142D	S17	W24	9658	10	15.6	24D	SF		3	E		98		F
	SVTO	17	1119	1121U	1137	S17	W22	9658	10	15.8	18	SF		3	E		47		F
		17	1145		1328	No Flare Patrol													
0105	RAMY	17	1535	1537	1539	S17	W27	9658	10	15.6	4	SF		3	E		12		
0106	HOLL	17	1615	1617	1639	N06	W71	9659	10	12.4	24	SF		3	E		72		F
0107	HOLL	17	1626	1632	1638	S17	W26	9658	10	15.7	12	SF		3	E		19		FH
0108	HOLL	17	1719	1720	1731	N15	W02	9661	10	17.6	12	SF		3	E		36		F
		17	2321		2400	No Flare Patrol													
		18	0000		0630	No Flare Patrol													
		18	0817		0847	No Flare Patrol													
		18	0938		0955	No Flare Patrol													
		18	1002		1012	No Flare Patrol													
		18	1046		1051	No Flare Patrol													
		18	1056		1100	No Flare Patrol													
0109	RAMY	18	1240	1240	1253	N17	W12	9661	10	17.6	13	SF		3	E		11		F
0110	RAMY	18	1324	1350	1400	S16	W37	9658	10	15.7	36	1N		3	E		138		F
0111	RAMY	18	1405	1417	1436	S16	W37	9658	10	15.8	31	SF		3	E		11		F
0112		18	1508	15102	1516	S18	E46	9670	10	22.1	8	SF					21		
	RAMY	18	1508	1510	1515	S18	E46	9670	10	22.1	7	SF		3	E		11		
	HOLL	18	1512E	1512	1517	S17	E47	9670	10	22.2	5D	SF		3	E		31		
0113	RAMY	18	1531	1532	1535	N10	W47	9662	10	15.1	4	SF		3	E		11		F
0114	HOLL	18	1536	1537	1542	N16	W12	9661	10	17.7	6	SF		3	E		21		
0115	HOLL	18	1605	1609	1642	N16	W13	9661	10	17.7	37	SF		3	E		67		F
0116	RAMY	18	1612	1613	1637	N16	W14	9661	10	17.6	25	SF		3	E		75		F
0117	HOLL	18	1743	1744	1748	N16	W14	9661	10	17.7	5	SF		3	E		29		F
0118	HOLL	18	1805	1808	1813	S16	W37	9658	10	15.9	8	SF		3	E		12		H
0119	HOLL	18	1907	1908	1919	S17	E69	9672	10	24.0	12	SF		3	E		31		

H α SOLAR FLARES

9
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0120	HOLL	18	1938	1938	1949	N15	W18	9661	10	17.4	11	SF		3	E		11		
0121	HOLL	18	1949	1959	2044	N15	W18	9661	10	17.5	55	SF		3	E		34		FU
0122	HOLL	18	2048	2048	2056	N17	W17	9661	10	17.6	8	SF		3	E		16		F
0123	HOLL	18	2117	2119	2125	S15	W38	9658	10	16.0	8	SF		3	E		50		
0124	HOLL	18	2147	2147	2200	N15	W15	9661	10	17.8	13	SF		3	E		22		F
0125	HOLL	18	2259	2259	2304	S17	W43	9658	10	15.7	5	SF		3	E		13		
0126	HOLL	18	2337	2337	2348	N18	W19	9661	10	17.5	11	SF		3	E		19		F
0127	LEAR	19	0049	0059	0355	N16	W18	9661	10	17.7	186	2B		3	E		519		EZ
0128	LEAR	19	0255	0256	0315	N16	E17	9671	10	20.4	20	SF		3	E		46		F
0129	LEAR	19	0639	0646	0716	N16	E14	9671	10	20.3	37	1F		2	E		101		FH
0130	LEAR	19	0644	0645	0654	S16	W44	9658	10	15.9	10	SF		2	E		22		F
0131	LEAR	19	0655	0659	0733	N13	W30	9661	10	17.0	38	1F		2	E		118		FH
0132	SVTO	19	0858	0859	0902	S14	W47	9658	10	15.8	4	SF		3	E		10		
0133	SVTO	19	0924	0941U	1026D	S14	W47	9658	10	15.8	62D	1B		3	E		182		F
		19	1011		1025	No Flare Patrol													
0134	SVTO	19	1025E	1025U	1042	N17	E13	9671	10	20.4	17D	SF		3	E		32		
0135	SVTO	19	1037	1037	1040	N13	W31	9661	10	17.1	3	SF		3	E		18		
		19	1111		1117	No Flare Patrol													
0136		19	12129	12242	1259	N16	W28	9661	10	17.4	47	1F					216		F
	RAMY	19	1212	1226	1257	N16	W28	9661	10	17.4	45	1F		3	E		246		F
	SVTO	19	1221	1224	1301	N15	W29	9661	10	17.3	40	1F		3	E		187		F
0137		19	1227	12311	1304	S18	E60	9672	10	24.1	37	SF					51		
	SVTO	19	1227	1231	1311	S18	E59	9672	10	24.0	44	SF		3	E		43		
	RAMY	19	1227	1232	1257	S19	E60	9672	10	24.1	30	SF		3	E		59		
0138		19	1338	13392	1348	S14	W48	9658	10	15.9	10	SF					29		F
	RAMY	19	1338	1339	1348	S14	W49	9658	10	15.9	10	SF		3	E		25		F
	SVTO	19	1338	1341	1348	S14	W48	9658	10	15.9	10	SF		3	E		33		
0139	HOLL	19	1445	1451	1509	N16	W27	9661	10	17.6	24	SF		3	E		45		F
0140	HOLL	19	1448	1448	1455	N17	E10	9671	10	20.4	7	SF		3	E		13		F
0141		19	15272	15301	1552	N14	W32	9661	10	17.2	25	SF					74		
	RAMY	19	1527	1531	1549	N14	W32	9661	10	17.2	22	SF		3	E		97		
	HOLL	19	1529	1530	1554	N14	W33	9661	10	17.1	25	SF		3	E		52		
0142	RAMY	19	1531	1532	1535	N17	E12	9671	10	20.5	4	SF		3	E		11		
0143		19	1547	1548	1554	N15	E10	9671	10	20.4	7	SF					36		
	RAMY	19	1547	1548	1553	N15	E10	9671	10	20.4	6	SF		3	E		35		
	HOLL	19	1547	1548	1554	N15	E11	9671	10	20.5	7	SF		3	E		38		
0144		19	1614	1636	1820	N15	W30	9661	10	17.4	126	2N					356		FUY
	HOLL	19	1614	1636	1849	N15	W29	9661	10	17.5	155	2B		3	E		483		UY
	RAMY	19	1616E	1623U	1750	N15	W30	9661	10	17.4	94D	1F		3	E		230		F
0145	HOLL	19	1850	1850	1858	N15	W32	9661	10	17.4	8	SF		3	E		16		

10
Oct 01

H α SOLAR FLARES

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
						Region	Lat	Cmd								Apparent (10-6 Disk)	Corr (Sq Deg)	
0146	19	17221	1724	1726	S14	W50	9658	10	15.9	4	SF					34		
	HOLL	19	1722	1724	1728	S14	W50	9658	10	15.9	6	SF	3	E		55		
	RAMY	19	1723	1724	1725	S14	W51	9658	10	15.9	2	SF	3	E		14		
0147	HOLL	19	1939	1940	1943	S16	W53	9658	10	15.8	4	SF	3	E		26		
0148	HOLL	19	2023	2024	2029	S17	W55	9658	10	15.7	6	SF	3	E		28		F
0149	HOLL	19	2058	2100	2109	S15	W63	9658	10	15.1	11	SF	3	E		30		
0150	HOLL	19	2100	2106	2112	S09	E38	9674	10	22.7	12	SF	3	E		18		
0151	HOLL	19	2140	2145	2150	S18	W53	9658	10	15.9	10	SF	3	E		47		F
0152	HOLL	19	2152	2157	2203	S18	W53	9658	10	15.9	11	SF	3	E		11		
0153	HOLL	19	2216	2218	2224	N16	W30	9661	10	17.6	8	SF	3	E		16		
0154	HOLL	19	2216	2219	2222	S15	W64	9658	10	15.1	6	SF	3	E		18		
0155	HOLL	19	2235	2236	2239	S15	W64	9658	10	15.1	4	SF	3	E		26		
		19	2241		2312	No Flare Patrol												
0156	HOLL	19	2314	2316	2327D	S17	W57	9658	10	15.6	13D	1F	3	E		136		
		19	2328		2400	No Flare Patrol												
		20	0000		0017	No Flare Patrol												
		20	0030		0145	No Flare Patrol												
		20	0154		0625	No Flare Patrol												
		20	0636		0700	No Flare Patrol												
0157	SVTO	20	0701E	0701U	0711D	S19	E26	9670	10	22.3	10D	SF	1	E		36		F
		20	0712		0830	No Flare Patrol												
		20	0841		0852	No Flare Patrol												
		20	0856		0911	No Flare Patrol												
		20	1043		1128	No Flare Patrol												
0158	RAMY	20	1537	1539	1600	N15	W41	9661	10	17.5	23	SF	3	E		12		
		20	1934		2004	No Flare Patrol												
0159	HOLL	20	2109	2112U	2127D	S09	E24	9674	10	22.7	18D	SF	3	E		43		
		20	2118		2124	No Flare Patrol												
0160	HOLL	20	2129	2147	2157	S15	E18	9670	10	22.2	28	SF	3	E		54		
0161	HOLL	20	2236	2237	2243	S09	E24	9674	10	22.7	7	SF	3	E		25		
		20	2326		2341	No Flare Patrol												
		20	2344		2400	No Flare Patrol												
		21	0000		0004	No Flare Patrol												
0162	LEAR	21	0007	0007U	0025D	S16	E33	9672	10	23.5	18D	SF	2	E		15		FH
		21	0030		0747	No Flare Patrol												
0163	LEAR	21	0802	0805	0810	S18	E34	9672	10	23.9	8	SF	3	E		25		
		21	0959		1139	No Flare Patrol												
0164	RAMY	21	1141E	1142U	1230	N13	W56	9661	10	17.3	49D	2N	3	E		290		F
0165	SVTO	21	1151E	1157U	1308D	N12	W56	9661	10	17.3	77D	SF	1	E		154		F
0166	RAMY	21	1313	1313	1334	S19	E09	9670	10	22.2	21	SF	3	E		15		F

H α SOLAR FLARES

11
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								Region	Day							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0167		21	1425	1425	1432	S18	E32	9672	10	24.0	7	SF					24		F
	RAMY	21	1425	1425	1431	S19	E31	9672	10	24.0	6	SF	3	E			21		
	HOLL	21	1425	1426	1433	S18	E32	9672	10	24.0	8	SF	3	E			28		F
0168		21	1452	1453	1457	S21	E16	9670	10	22.8	5	SF					21		
	RAMY	21	1452	1453	1456	S21	E16	9670	10	22.8	4	SF	3	E			16		
	HOLL	21	1452	1453	1458	S21	E16	9670	10	22.8	6	SF	3	E			26		
0169	HOLL	21	1533	1533	1539	S18	E31	9672	10	24.0	6	SF	3	E			11		
		21	2105		2119	No Flare Patrol													
0170	LEAR	22	0024	0025	0040	N17	W57	9661	10	17.7	16	SF	2	E			39		F
0171	LEAR	22	0346	0350	0434	N14	W12	9669	10	21.2	48	1F	2	E			126		F
0172	LEAR	22	0537	0546	0600	N11	W15	9669	10	21.1	23	SF	2	E			24		FU
0173	LEAR	22	0555	0559	0604	N17	W61	9661	10	17.6	9	SF	2	E			26		F
0174	SVTO	22	0654E	0654U	0657D	S19	E23	9672	10	24.0	3D	SF	2	E			10		
0175	SVTO	22	1140	1140	1148	S18	E19	9672	10	23.9	8	SF	3	E			16		F
0176	SVTO	22	1206	1212U	1255	N12	W19	9669	10	21.1	49	1F	3	E			109		F
0177	RAMY	22	1228E	1228U	1256	N11	W19	9669	10	21.1	28D	SF	3	E			79		F
0178	RAMY	22	1337	1337	1348	N15	W69	9672	10	17.3	11	SF	3	E			10		
0179	SVTO	22	1338	1338	1347	S15	E18	9672	10	23.9	9	SF	3	E			14		
0180		22	1416S	1455S	1552	S17	E20	9672	10	24.1	96	2N					482		F
	SVTO	22	1416	1458	1534D	S17	E20	9672	10	24.1	78D	2N	3	E			594		F
	RAMY	22	1421	1455	1552	S17	E19	9672	10	24.0	91	2N	3	E			371		F
0181	HOLL	22	1425E	1512	1602	S21	E18	9672	10	24.0	97D	2N	3	E			542		Z
0182		22	1450Z	1456Z	1515	N16	W67	9661	10	17.5	25	SF					46		F
	RAMY	22	1450	1456	1513	N16	W67	9661	10	17.5	23	SF	3	E			34		F
	SVTO	22	1452	1458	1517	N16	W67	9661	10	17.5	25	SF	3	E			58		F
0183	HOLL	22	1508	1508	1513	N17	W66	9661	10	17.6	5	SF	3	E			18		
0184	HOLL	22	1606	1613	1625	S17	E17	9672	10	24.0	19	SF	3	E			56		F
0185	HOLL	22	1744	1758	1911	S18	E16	9672	10	23.9	87	2B	3	E			375		UZ
		22	2037		2238	No Flare Patrol													
0186	LEAR	23	0004	0005	0007	N12	W25	9669	10	21.1	3	SF	3	E			18		F
0187	LEAR	23	0015	0018	0052	S18	E11	9672	10	23.8	37	SN	3	E			80		FZ
0188	LEAR	23	0026	0033	0049	N13	W25	9669	10	21.1	23	SF	3	E			26		F
0189	LEAR	23	0057	0057	0100	N07	E60	9678	10	27.5	3	SF	3	E			12		
0190	LEAR	23	0138	0138	0144	N16	E47	9676	10	26.6	6	SF	3	E			15		F
0191	LEAR	23	0145	0149	0153	N16	E37	9676	10	25.9	8	SF	3	E			11		F
0192	LEAR	23	0145	0145	0149	S21	E13	9672	10	24.1	4	SF	3	E			14		F
0193	LEAR	23	0214	0220	0313	S18	E11	9672	10	23.9	59	1B	3	E			216		FZ
0194	LEAR	23	0449	0542	0605	N08	E57	9678	10	27.5	76	SF	3	E			72		F
0195	SVTO	23	0553	0553	0603	N09	E57	9678	10	27.5	10	SF	3	E			14		

H α SOLAR FLARES

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Area Measurement			Remarks
						Region	Day							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0196	LEAR	23	0606	0634	0659	N08 E58	9678	10	27.6	53	SF	3	E		45		
0197	23	0759	0801	0817	N16 E42	9676	10	26.5	18	1F				98		F	
	LEAR	23	0759	0801	0814	N16 E42	9676	10	26.5	15	1F	3	E		100		F
	SVTO	23	0759	0801	0820	N17 E42	9676	10	26.5	21	SF	3	E		97		
0198	23	0803	0805	0810	N20 E42	9677	10	26.5	7	SF				20		F	
	SVTO	23	0803	0805	0810	N20 E41	9677	10	26.5	7	SF	3	E		21		F
	LEAR	23	0804	0805	0809	N19 E42	9677	10	26.5	5	SF	3	E		19		F
0199	LEAR	23	0833	0836	0910	N08 E53	9678	10	27.3	37	SF	2	E		43		F
	23	1036		1054	No Flare Patrol												
0200	RAMY	23	1203	1204	1219	N14 W29	9669	10	21.3	16	SF	3	E		16		F
0201	23	1205	1208	1218	S19 E06	9672	10	24.0	13	SF				39		F	
	SVTO	23	1205E	1206U	1212D	S19 E06	9672	10	24.0	7D	SF	2	E		13		
	RAMY	23	1205	1208	1218	S19 E06	9672	10	24.0	13	SF	3	E		65		F
0202	RAMY	23	1228	1228	1239	S19 E06	9672	10	24.0	11	SF	3	E		55		F
0203	23	1250	1258	1315	S17 E04	9672	10	23.8	25	SF				23		F	
	RAMY	23	1250	1258	1315	S17 E04	9672	10	23.8	25	SF	3	E		21		F
	SVTO	23	1256E	1259U	1318D	S17 E04	9672	10	23.8	22D	SF	2	E		25		F
0204	23	1415	1415	1422	S18 E06	9672	10	24.0	7	SF				16		F	
	RAMY	23	1415	1415	1422	S19 E06	9672	10	24.0	7	SF	3	E		20		F
	HOLL	23	1415	1418	1423	S18 E05	9672	10	24.0	8	SF	4	E		11		
0205	23	1510*	1511*	1531	S18 E05	9672	10	24.0	21	SF				16		F	
	HOLL	23	1510	1511	1532	S18 E04	9672	10	23.9	22	SF	3	E		21		F
	RAMY	23	1526	1526	1530	S19 E06	9672	10	24.1	4	SF	3	E		11		
0206	LEAR	24	0254	0254	0303	S18 W06	9672	10	23.7	9	SF	3	E		16		F
0207	LEAR	24	0602	0603	0610	S13 E27	9675	10	26.3	8	SF	3	E		19		F
0208	LEAR	24	0609	0610	0614	N07 E43	9678	10	27.5	5	SF	3	E		12		F
	24	0817		0848	No Flare Patrol												
0209	SVTO	24	0846E	0846U	0855	N17 W41	9669	10	21.2	9D	SF	3	E		16		F
	24	0952		1006	No Flare Patrol												
	24	1027		1045	No Flare Patrol												
0210	SVTO	24	1052	1054	1119	S18 W08	9672	10	23.8	27	SF	3	E		35		F
0211	24	1406	1416	1430	N13 W44	9669	10	21.3	24	SF				36		F	
	RAMY	24	1406	1416	1433	N12 W45	9669	10	21.2	27	SF	3	E		47		
	HOLL	24	1409	1417	1426	N14 W42	9669	10	21.4	17	SF	3	E		23		
	SVTO	24	1410	1417	1432	N12 W46	9669	10	21.1	22	SF	3	E		37		F
0212	24	1442	1447	1459	N07 E39	9678	10	27.5	15	SF				45		F	
	HOLL	24	1442	1447	1459	N09 E41	9678	10	27.7	17	SF	3	E		62		F
	SVTO	24	1445	1448	1456	N06 E37	9678	10	27.4	11	SF	3	E		37		
	RAMY	24	1446	1448	1455	N07 E39	9678	10	27.5	9	SF	3	E		36		F
0213	HOLL	24	1519	1527	1544	N07 E39	9678	10	27.5	25	SF	3	E		10		
0214	HOLL	24	1639	1643	1648	N07 E39	9678	10	27.6	9	SF	3	E		13		F
0215	24	1708	1708	1719	S18 W10	9672	10	23.9	12	SF				18		F	
	HOLL	24	1708	1708	1719	S18 W11	9672	10	23.9	11	SF	3	E		16		F
	RAMY	24	1708	1709	1721	S18 W09	9672	10	24.0	13	SF	3	E		20		F
0216	24	1755	1758	1814	N08 E38	9678	10	27.6	19	SF				32		F	
	HOLL	24	1755	1758	1813	N07 E39	9678	10	27.7	18	SF	3	E		36		
	RAMY	24	1756	1758	1815	N09 E36	9678	10	27.4	19	SF	3	E		29		F

H α SOLAR FLARES

13
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0217	HOLL	24	1833	1836	1906	N08	E38	9678	10	27.6	33	SF		3	E		44			
0218	RAMY	24	1833	1854	1904	N09	E38	9678	10	27.6	31	SF		3	E		12		F	
0219	24	19073	19092	1914		N08	E38	9678	10	27.6	7	SF					30		FU	
	HOLL	24	1907	1909	1913	N08	E38	9678	10	27.6	6	SF		3	E		15		UF	
	RAMY	24	1910	1911	1916	N08	E37	9678	10	27.6	6	SF		3	E		45		F	
0220	24	19234	19243	1936		N02	W04	9673	10	24.5	13	SF					13		F	
	HOLL	24	1923	1924	1937	N03	W04	9673	10	24.5	14	SF		3	E		14		F	
	RAMY	24	1927	1927	1934	N02	W04	9673	10	24.5	7	SF		3	E		12			
0221	24	19311	19321	1940		N08	E36	9678	10	27.5	9	SF					18		FU	
	HOLL	24	1931	1932	1938	N07	E36	9678	10	27.5	7	SF		3	E		26		UF	
	RAMY	24	1932	1933	1942	N09	E35	9678	10	27.4	10	SF		3	E		11		F	
0222	HOLL	24	2218	2224	2303	N07	E34	9678	10	27.5	45	SF		3	E		38		FU	
0223	HOLL	24	2232	2232	2254	N21	E49	9680	10	28.7	22	SF		3	E		34		F	
0224	HOLL	24	2307	2312	2344	N06	E33	9678	10	27.4	37	SF		3	E		19		FU	
0225	LEAR	25	0001	0001	0010	S18	W15	9672	10	23.8	9	SF		3	E		32		F	
0226	LEAR	25	0325	0330	0337	N09	E34	9678	10	27.7	12	SF		3	E		28		F	
0227	LEAR	25	0338	0344	0348	N09	E33	9678	10	27.6	10	SF		3	E		12			
0228	LEAR	25	0431	0431	0445	S18	W17	9672	10	23.9	14	SF		3	E		28		F	
0229	LEAR	25	0447	0447	0455	N07	E31	9678	10	27.5	8	SF		3	E		23		F	
0230	LEAR	25	0518	0519	0534	S19	W16	9672	10	24.0	16	SF		4	E		40		F	
0231	LEAR	25	0627	0627	0635	S18	W18	9672	10	23.9	8	SF		3	E		22		F	
0232	LEAR	25	0631	0634	0639	N24	E19	9677	10	26.7	8	SF		3	E		34		FH	
0233	LEAR	25	0646	0647	0657	S11	E15	9675	10	26.4	11	SF		3	E		18		F	
0234	LEAR	25	0717	0719	0722	N06	E30	9678	10	27.5	5	SF		2	E		13		F	
0235	LEAR	25	0746	0746	0757	N07	E29	9678	10	27.5	11	SF		2	E		15		F	
		25	0844		0854	No Flare Patrol														
		25	0940		0954	No Flare Patrol														
0236	RAMY	25	1222	1228	1253	N14	W58	9669	10	21.1	31	SF		3	E		45		F	
0237	RAMY	25	1442	1454	1906	S16	W21	9672	10	24.0	264	2B		3	E		520		FU	
0238	HOLL	25	1451E	1513	1635D	S17	W20	9672	10	24.1	104D	3B		3	E		720		UZ	
0239	HOLL	25	1456	1456	1519	N09	E26	9678	10	27.6	23	SF		3	E		23			
0240	RAMY	25	1921	1923	1935	N07	E20	9678	10	27.3	14	SF		3	E		35		F	
		25	2019		2030	No Flare Patrol														
0241	HOLL	25	2047	2048	2054	N08	E21	9678	10	27.4	7	SF		2	E		18			
		25	2103		2109	No Flare Patrol														
0242	HOLL	25	2122	2125	2130	N08	E25	9678	10	27.8	8	SF		3	E		26			
		25	2134		2221	No Flare Patrol														
		25	2248		2300	No Flare Patrol														
0243	LEAR	25	2345	2346	2355	N08	E18	9678	10	27.3	10	SF		3	E		39		F	

H α SOLAR FLARES

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Time (UT)	Area Measurement		Remarks
						Region	Lat								Apparent (10-6 Disk)	Corr (Sq Deg)	
0244	LEAR	26	0143	0145	0159	N08 E19	9678	10	27.5	16	SF	3	E		48		F
0245	LEAR	26	0419	0421	0443	N09 E17	9678	10	27.4	24	SF	3	E		53		EF
			26 0625		0632	No Flare Patrol											
			26 0818		0922	No Flare Patrol											
0246	KHAR	26	0923E		0942	N09 E12	9678	10	27.3	19D	1F	2	P	0930	270		O
0247	KHAR	26	1002U		1017	N10 E18	9678	10	27.8	15U	SN	2	P	1002	40		DH
0248	KHAR	26	1002	1003	1055	S20 W34	9672	10	23.8	53	1N	2	P	1002	325		E
0249	KHAR	26	1106U	1107	1116	N19 E67	9682	10	31.6	10U	SF	2	P	1110	35		D
			26 1136		1208	No Flare Patrol											
0250	RAMY	26	1311	1316	1413	N10 E66	9682	10	31.5	62	SF	3	E		51		F
0251	RAMY	26	1430	1436	1445	N07 E16	9678	10	27.8	15	SN	3	E		54		
0252	RAMY	26	1609	1610	1614	N07 E15	9678	10	27.8	5	SF	3	E		20		H
0253		26	18061	18123	1821	N08 E14	9678	10	27.8	15	SF				16		
	HOLL	26	1806	1812	1817	N09 E14	9678	10	27.8	11	SF	3	E		15		
	RAMY	26	1807	1815	1825	N07 E15	9678	10	27.9	18	SF	3	E		18		
0254	HOLL	26	1839	1839	1844	N13 E59	9682	10	31.2	5	SF	3	E		18		
0255		26	19301	19501	2113	N12 E59	9682	10	31.2	103	SF				28		F
	HOLL	26	1930	1951	2208	N14 E59	9682	10	31.3	158	SF	3	E		36		F
	RAMY	26	1931	1950	2018	N11 E59	9682	10	31.2	47	SF	3	E		20		
0256	RAMY	26	2024	2024	2050	N11 E60	9682	10	31.4	26	SF	3	E		13		
0257	HOLL	26	2109	2109	2129	N09 E08	9678	10	27.5	20	SF	3	E		19		F
0258	HOLL	26	2152	2153	2156	N07 E13	9678	10	27.9	4	SF	3	E		12		
0259	HOLL	26	2222	2228	2246	N13 E56	9682	10	31.1	24	SF	3	E		25		
0260	LEAR	27	0048	0049	0058	N12 E58	9682	10	31.4	10	SF	1	E		16		F
0261	LEAR	27	0416	0416	0420	N11 E50	9682	10	30.9	4	SF	2	E		54		F
0262		27	0807	0810	0820	N12 E52	9682	10	31.2	13	SF				38		FH
	LEAR	27	0807	0810	0820	N12 E53	9682	10	31.3	13	SF	4	E		44		FH
	SVTO	27	0808E	0810U	0834D	N13 E52	9682	10	31.3	26D	SF	2	E		31		
0263	LEAR	27	0808	0809	0912	N10 W07	9676	10	26.8	64	SF	4	E		89		F
0264		27	0808	0817	0836	N08 W03	9678	10	27.1	28	SF				38		F
	LEAR	27	0808	0817	0836	N07 W04	9678	10	27.0	28	SN	4	E		38		F
	SVTO	27	0809E	0817	0921D	N10 W07	9678	10	26.8	72D	SF	2	E		52		F
	SVTO	27	0815E	0819U	0840D	N07 E02	9678	10	27.5	25D	SF	2	E		24		F
			27 1113		1126	No Flare Patrol											
0265	RAMY	27	1225	1225	1233	S21 W48	9672	10	23.8	8	SF	3	E		63		
0266	RAMY	27	1245	1246	1252	N06 W02	9678	10	27.4	7	SF	3	E		11		F
0267		27	15212	15391	1602	S15 W50	9672	10	23.8	41	SF				22		F
	RAMY	27	1521	1540	1600	S15 W50	9672	10	23.8	39	SF	3	E		19		F
	HOLL	27	1523	1539	1603	S15 W50	9672	10	23.8	40	SF	3	E		25		
0268		27	15231	15291	1542	N13 E50	9682	10	31.4	19	SF				50		F
	RAMY	27	1523	1530	1541	N12 E50	9682	10	31.4	18	SF	3	E		44		F
	HOLL	27	1524	1529	1542	N14 E50	9682	10	31.4	18	SF	3	E		57		F

H α S O L A R F L A R E S

15
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/USAF		Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
								Region	Mo Day							Apparent (10-6 Disk)	Corr (Sq Deg)	
0269	RAMY	27	1529	1529	1535	S18	W63	9670	10	22.8	6	SF	3	E		20		F
0270		27	1635*	16452	1656	N06	W04	9678	10	27.4	21	SF				42		F
	HOLL	27	1635	1645	1657	N07	W03	9678	10	27.5	22	SF	3	E		20		
	RAMY	27	1646	1647	1655	N06	W06	9678	10	27.2	9	SF	3	E		65		F
0271	HOLL	27	1714	1714	1717	S16	W74	9670	10	22.1	3	SF	3	E		11		
0272		27	1844	1845	1853	S20	W50	9672	10	23.9	9	SF				22		F
	HOLL	27	1844	1845	1853	S20	W50	9672	10	23.9	9	SF	3	E		21		F
	RAMY	27	1844	1845	1906D	S21	W51	9672	10	23.9	22D	SF	3	E		24		
0273	HOLL	27	2042	2042	2045	N09	E00	9678	10	27.9	3	SF	3	E		41		H
0274	HOLL	27	2106	2107	2145	N11	W12	9676	10	27.0	39	SF	3	E		12		F
0275	HOLL	27	2145	2151	2210	N14	E46	9682	10	31.4	25	SF	3	E		104		EF
0276	HOLL	27	2155	2156	2159	N08	E00	9678	10	27.9	4	SF	3	E		41		
		27	2334		2400	No Flare Patrol												
		28	0000		0239	No Flare Patrol												
		28	0253		0258	No Flare Patrol												
		28	0317		0416	No Flare Patrol												
0277	LEAR	28	0443	0448	0531	N12	E40	9682	10	31.2	48	1F	2	E		123		F
		28	0506		0536	No Flare Patrol												
		28	0549		0600	No Flare Patrol												
		28	0628		0633	No Flare Patrol												
0278		28	0649	0652U	0752D	N12	E40	9682	10	31.3	63D	1F				80		
	LEAR	28	0649	0658U	0723D	N12	E40	9682	10	31.3	34D	1F	2	E		116		
	SVTO	28	0651E	0652U	0752D	N12	E39	9682	10	31.2	61D	SF	2	E		45		
		28	0708		0843	No Flare Patrol												
0279	SVTO	28	0842E	0842U	0905	N12	E41	9682	10	31.4	23D	SF	2	E		15		
0280	SVTO	28	0901	0901	0905	N06	W06	9678	10	27.9	4	SF	3	E		23		
		28	0946		1044	No Flare Patrol												
		28	1053		1055	No Flare Patrol												
0281	RAMY	28	1336	1337	1340	N12	E33	9682	10	31.0	4	SF	3	E		10		F
0282		28	1408	1414	1453	N11	E34	9682	10	31.1	45	SF				28		FH
	RAMY	28	1408	1414	1453	N11	E36	9682	10	31.3	45	SF	3	E		41		FH
	SVTO	28	1411E	1415U	1421D	N11	E33	9682	10	31.1	10D	SF	2	E		14		
0283	RAMY	28	1500	1500	1505	N12	E35	9682	10	31.3	5	SF	3	E		10		
0284	RAMY	28	1510	1510	1513	N12	E37	9682	10	31.4	3	SF	3	E		11		
0285		28	1642	1651	1710	N13	E31	9682	10	31.0	28	1N				136		F
	RAMY	28	1642	1651	1702	N13	E31	9682	10	31.0	20	1N	3	E		209		
	HOLL	28	1653E	1654U	1719	N13	E31	9682	10	31.0	26D	SF	3	E		63		F
0286	RAMY	28	1706	1706	1710	N12	E35	9682	10	31.3	4	SF	3	E		30		
		28	1851		1853	No Flare Patrol												
		28	1936		2021	No Flare Patrol												
		28	2026		2041	No Flare Patrol												
0287	HOLL	28	2102	2103	2106	N03	E71	9684	11	3.2	4	SF	3	E		14		
0288	LEAR	29	0042	0044	0052	N13	E32	9682	10	31.4	10	SF	3	E		19		
		29	0122		0123	No Flare Patrol												
		29	0149		0214	No Flare Patrol												

16
Oct 01

H α SOLAR FLARES

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
			29 0220		0224		No Flare Patrol											
			29 0326		0558		No Flare Patrol											
0289			29 0809	0811	0818	S17 W80	9672	10	23.3	9	1F						89	
	SVTO		29 0809	0811	0816	S18 W82	9672	10	23.1	7	1F			3	E		109	
	LEAR		29 0815E	0815U	0821	S16 W79	9672	10	23.3	6D	SF			3	E		69	
0290	SVTO		29 0910	0919U	0940D	N12 E27	9682	10	31.4	30D	SF			2	E		37	
			29 0931		0948		No Flare Patrol											
0291	SVTO		29 1045	1046	1050	N12 E23	9682	10	31.2	5	SF			3	E		12	
0292			29 1058*	1133	1240	N12 E24	9682	10	31.3	102	1N						140	FH
	SVTO		29 1058	1134U	1202D	N12 E25	9682	10	31.3	64D	1F			3	E		135	FH
	RAMY		29 1127	1133	1240	N12 E23	9682	10	31.2	73	1N			3	E		146	FH
0293	RAMY		29 1105E	1106U	1116	N13 E26	9682	10	31.4	11D	SF			3	E		44	
0294	RAMY		29 1331	1335	1349	N12 E23	9682	10	31.3	18	SF			3	E		27	FH
0295	HOLL		29 1533	1534	1547	N12 E24	9682	10	31.4	14	SF			3	E		32	F
0296			29 1630	16331	1657	N16 E24	9682	10	31.5	27	1N						230	FH
	HOLL		29 1630	1633	1655	N16 E23	9682	10	31.4	25	1N			3	E		246	FH
	RAMY		29 1630	1634	1659	N15 E25	9682	10	31.6	29	1F			3	E		213	
0297			29 1736	17401	1758	N12 E24	9682	10	31.5	22	SF						26	F
	HOLL		29 1736	1740	1754	N13 E24	9682	10	31.5	18	SF			3	E		30	F
	RAMY		29 1736	1741	1803	N12 E24	9682	10	31.5	27	SF			3	E		21	
0298	HOLL		29 1754	1755	1758	N12 E19	9682	10	31.2	4	SF			3	E		17	
0299	HOLL		29 1846	1846	1854	N14 E24	9682	10	31.6	8	SF			3	E		30	H
0300	HOLL		29 1900	1900	1905	N12 E19	9682	10	31.2	5	SF			3	E		16	FH
0301			29 1916*	19381	1951	N12 E20	9682	10	31.3	35	1F						113	F
	HOLL		29 1916	1939	1959	N12 E22	9682	10	31.5	43	1F			3	E		103	F
	RAMY		29 1937	1938	1943	N11 E19	9682	10	31.2	6	1F			3	E		123	F
0302	HOLL		29 2022	2030	2052	N12 E22	9682	10	31.5	30	SF			3	E		58	FH
			29 2132		2201		No Flare Patrol											
0303	LEAR		29 2351	2356	2429	N12 E20	9682	10	31.5	38	SF			3	E		77	F
0304	LEAR		30 0051	0052	0057	N11 E18	9682	10	31.4	6	SF			3	E		12	
			30 0210		0233		No Flare Patrol											
			30 0241		0329		No Flare Patrol											
0305	LEAR		30 0420	0429U	0443D	N12 E16	9682	10	31.4	23D	SF			3	E		27	F
			30 0451		0459		No Flare Patrol											
			30 0531		0602		No Flare Patrol											
0306	LEAR		30 0754	0758	0811	N12 E15	9682	10	31.4	17	SF			2	E		19	F
0307	SVTO		30 0804	0804	0820	N12 E14	9682	10	31.4	16	SF			3	E		15	F
0308			30 0833	0836	0918	N12 E12	9682	10	31.3	45	1N						142	EF
	SVTO		30 0833	0836	0920	N12 E11	9682	10	31.2	47	1N			3	E		144	F
	LEAR		30 0838E	0839U	0916	N12 E13	9682	10	31.3	38D	1N			1	E		140	FE
0309	SVTO		30 1012	1015U	1037	N13 E13	9682	10	31.4	25	SF			3	E		37	F
0310			30 11571	1158	1202	N03 E48	9684	11	3.1	5	SF						22	FH
	RAMY		30 1157	1158	1202	N03 E48	9684	11	3.1	5	SF			3	E		23	F
	SVTO		30 1158	1158	1201	N03 E49	9684	11	3.2	3	SF			3	E		20	H

H α SOLAR FLARES

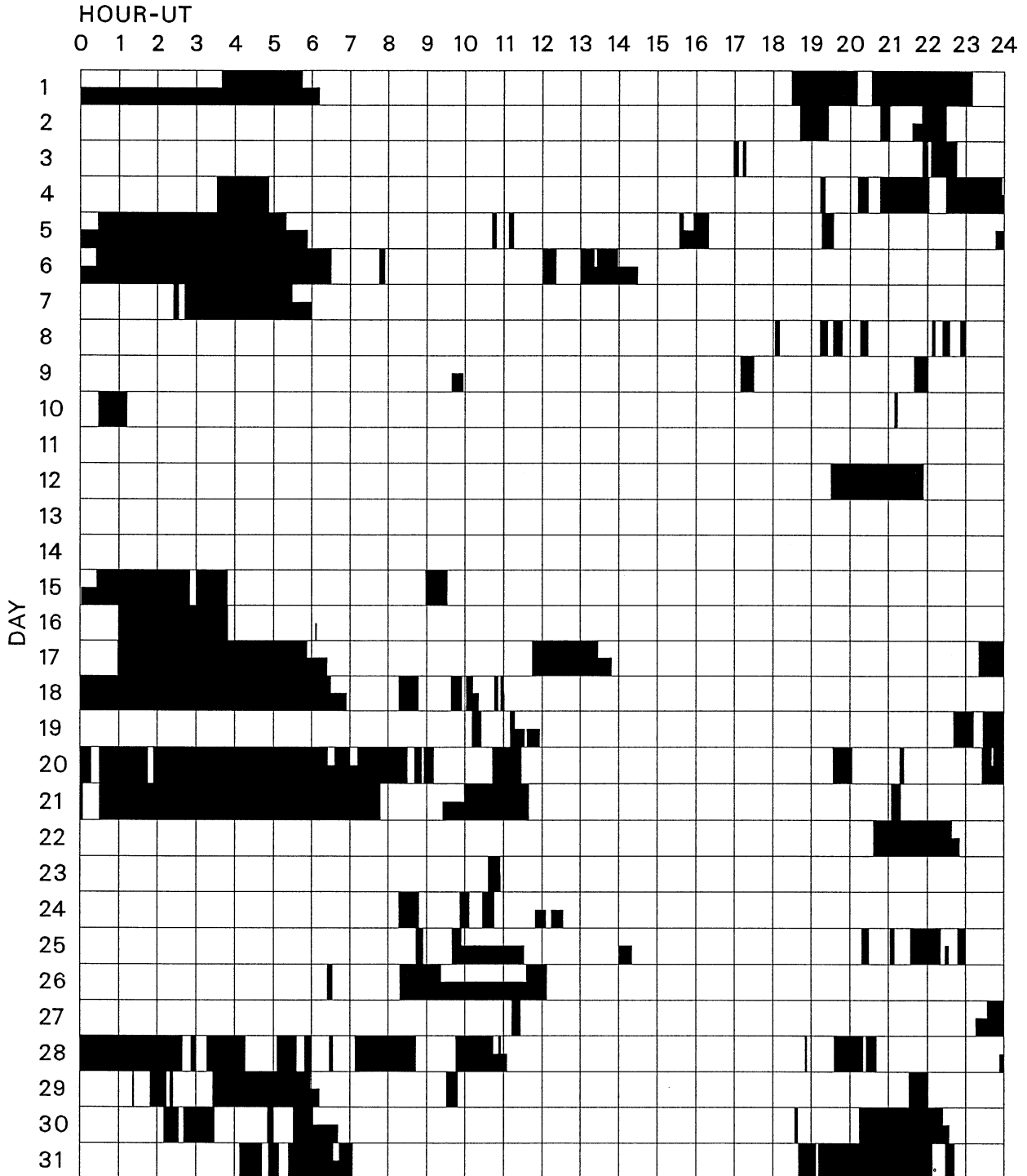
17
Oct 01

OCTOBER 2001

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0311	SVTO	30	1109	1208U	1217	N12	E11	9682	10	31.3	68	SF		3	E		42		F
0312		30	1127*	1221	1230	N12	E08	9682	10	31.1	63	1N					120		FH
	RAMY	30	1127	1221	1229	N12	E11	9682	10	31.3	62	1N		3	E		130		F
	SVTO	30	1218	1220U	1232	N13	E05	9682	10	30.9	14	1N		3	E		109		H
0313	SVTO	30	1400E	1400U	1410D	N04	E45	9684	11	2.9	10D	SF		1	E		24		F
0314	RAMY	30	1402	1403	1408	N13	E11	9682	10	31.4	6	SF		3	E		25		F
0315	HOLL	30	1516	1518	1541	N12	E10	9682	10	31.4	25	SF		3	E		36		F
0316		30	1639S	1657	1727	N13	E09	9682	10	31.4	48	SF					77		F
	HOLL	30	1639	1657	1727	N14	E09	9682	10	31.4	48	SF		3	E		96		F
	RAMY	30	1644	1658U	1722D	N12	E09	9682	10	31.4	38D	SF		3	E		58		F
		30	1835		1839	No Flare Patrol													
0317	HOLL	30	1907	1907	1910	N11	E07	9682	10	31.3	3	SF		3	E		12		
0318	HOLL	30	1926	1930	1936	N12	E05	9682	10	31.2	10	SF		3	E		23		F
		30	2015		2224	No Flare Patrol													
0319	LEAR	31	0001	0010	0020	N12	E05	9682	10	31.4	19	SF		3	E		17		
		31	0408		0442	No Flare Patrol													
		31	0453		0508	No Flare Patrol													
		31	0524		0634	No Flare Patrol													
		31	0644		0704	No Flare Patrol													
0320		31	0800	0805	0847	N10	E00	9682	10	31.3	47	1N					176		EF
	LEAR	31	0800	0805	0847	N11	E02	9682	10	31.5	47	1N		2	E		202		FE
	SVTO	31	0816E	0816U	0820D	N09	W01	9682	10	31.3	4D	1F		2	E		149		F
0321	SVTO	31	0918	0918	0925	N16	W04	9682	10	31.1	7	SF		3	E		11		
0322	SVTO	31	1206	1228	1316	N14	W63	9676	10	26.7	70	SF		3	E		78		F
0323		31	1332I	1345	1353	N06	W53	9678	10	27.6	21	SF					14		F
	RAMY	31	1332	1345	1355	N07	W54	9678	10	27.5	23	SF		3	E		16		F
	SVTO	31	1333	1345	1351	N06	W52	9678	10	27.7	18	SF		3	E		12		
0324	RAMY	31	1522	1524	1531	N13	W05	9682	10	31.3	9	SF		3	E		10		F
0325	RAMY	31	1603	1604	1613	N13	W04	9682	10	31.4	10	SF		3	E		38		F
		31	1840		1907	No Flare Patrol													
		31	1911		2208	No Flare Patrol													
		31	2228		2242	No Flare Patrol													

**INTERVALS OF NO FLARE PATROL OBSERVATION
FOR PRECEDING SOLAR FLARE TABLE**

OCTOBER 2001

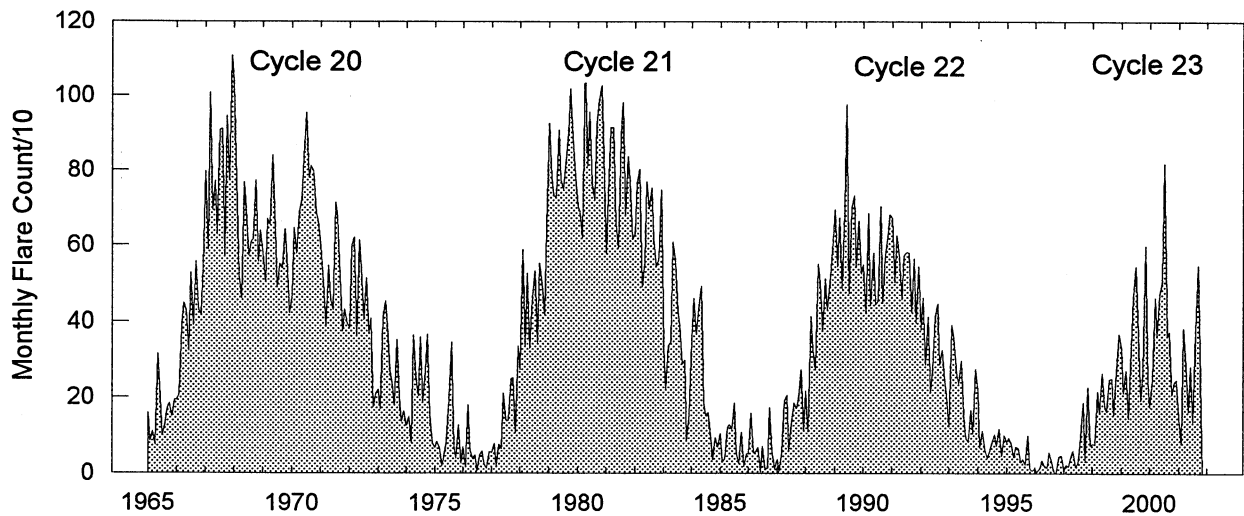


Times of no flare patrol, shown here as shades areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual or cinematographic): portions of a panel with only the bottom half shaded mark times of only visual patrol.

Holloman Learmonth Ramey San Vito
 Kharkov Voroshilov

Monthly Counts of Grouped Solar Flares

Jan 1965 - Oct 2001



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1965	158	85	110	74	315	231	99	127	173	184	150	193	1899
1966	194	205	390	449	429	323	528	391	558	432	417	543	4859
1967	796	589	1009	694	771	629	907	911	573	946	775	1109	9709
1968	1037	773	519	460	768	697	573	611	616	772	556	640	8022
1969	581	504	669	655	839	694	489	551	540	643	566	422	7153
1970	466	646	578	688	722	836	954	780	811	797	687	667	8632
1971	598	505	387	546	461	430	713	673	518	375	431	394	6031
1972	384	599	621	361	614	541	404	515	371	408	175	210	5203
1973	221	171	410	453	388	270	232	182	353	201	136	163	3180
1974	127	148	79	364	255	204	360	187	270	366	153	81	2594
1975	68	82	69	19	42	85	196	346	68	38	127	25	1165
1976	69	18	180	60	38	48	6	47	57	23	13	55	614
1977	54	77	18	76	64	210	140	140	250	252	107	336	1724
1978	274	588	338	526	330	460	533	346	554	499	418	648	5514
1979	926	781	731	731	907	772	750	821	901	1018	888	786	10012
1980	703	689	621	1092	811	956	763	720	924	988	1027	838	10132
1981	578	782	914	915	658	592	893	982	680	836	773	615	9218
1982	631	766	803	490	553	769	696	753	615	544	564	748	7932
1983	332	220	337	346	609	561	427	389	289	298	88	152	4048
1984	353	461	366	440	492	185	151	161	95	36	92	69	2901
1985	104	29	38	119	129	116	185	53	25	108	19	50	975
1986	51	158	54	56	68	3	71	12	14	174	56	13	730
1987	36	7	52	192	205	61	132	185	172	198	273	114	1627
1988	217	109	413	328	274	551	502	375	513	429	518	587	4816
1989	695	544	672	488	691	977	474	699	733	547	665	526	7711
1990	550	424	684	442	580	445	454	703	449	574	623	682	6610
1991	672	503	625	570	458	574	582	581	425	565	396	544	6495
1992	380	462	287	412	214	271	413	447	287	325	248	206	3952
1993	123	392	357	262	237	296	154	92	82	167	104	275	2541
1994	217	67	111	60	40	56	81	101	72	117	45	99	1066
1995	82	95	77	42	69	66	29	37	23	99	14	6	639
1996	14	3	15	34	21	16	54	31	3	0	44	45	280
1997	8	22	18	43	59	18	26	75	188	31	228	74	790
1998	78	76	216	161	264	177	164	248	249	155	268	367	2423
1999	330	212	271	145	330	466	544	368	192	264	598	243	3963
2000	175	248	462	362	473	505	818	364	372	208	241	246	4474
2001	147	77	383	284	164	282	137	376	549	325			2724

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

20
Oct 01

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean		
01	245	LEAR	43 NS	0550.0	0557.0	105.0	550.0			QL=2 ST=3 TYP=1
	204	IZMI	44 NS	0600.0E		212.0D		45.0		
	245	SVTO	43 NS	0620.0	0652.0U	45.0	160.0			QL=2 ST=2 TYP=1
	127	TORN	44 NS	0630.0E		200.0D		20.0		V=2
	235	CUBA	44 NS	1316.0E		284.0D		8.0		
	280	CUBA	44 NS	1316.0E		284.0D		17.0		
	2800	HIRA	7 C	0340.0	0346.0	19.0	90.0			0
	2840	PEKG	3 S	0449.0	0511.9	44.0	91.8			
	4995	LEAR	8 S	0456.0	0456.0	1.0	50.0			QL=2 ST=2 TYP=3
	4995	LEAR	8 S	0459.0	0500.0	2.0	110.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	0500.0	0500.0	U	43.0			QL=2 ST=2 TYP=3
	8800	LEAR	8 S	0500.0	0500.0	U	50.0			QL=2 ST=2 TYP=3
	15400	LEAR	8 S	0500.0	0500.0	U	38.0			QL=2 ST=2 TYP=3
	4995	SVTO	48 C	0509.0E	0511.0U	4.0D	94.0			QL=4 ST=2 TYP=8
	8800	SVTO	48 C	0509.0E	0511.0U	6.0D	130.0			QL=4 ST=2 TYP=8
	2695	SVTO	4 S/F	0510.0E	0512.0U	5.0D	69.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0511.0E	0513.0U	3.0D	41.0			QL=4 ST=2 TYP=3
	600	GORK	40 F	0511.6U	0515.2	21.4D	62.0			
	600	GORK	40 F	0511.6U	0523.4		57.0			
	900	GORK	40 F	0511.7	0511.9	22.9	28.0			
	245	SVTO	8 S	0524.0	0524.0	U	82.0			QL=4 ST=2 TYP=3
	9100	GORK	21 GRF	0545.0	0710.3	237.0	50.0			
	245	SVTO	48 C	0550.0	0557.0	30.0	450.0			QL=4 ST=2 TYP=8
	410	LEAR	4 S/F	0551.0	0557.0	29.0	120.0			QL=2 ST=2 TYP=3
	410	SVTO	4 S/F	0551.0	0619.0	29.0	120.0			QL=4 ST=2 TYP=3
	610	LEAR	48 C	0553.0	0616.0	27.0	200.0			QL=2 ST=2 TYP=8
	900	GORK	40 F	0553.7	0610.4	28.5	70.0			
	900	GORK	40 F	0553.7	0616.9		50.0			
	500	HIRA	7 C	0555.0	0607.0	43.0	165.0			0
	610	SVTO	48 C	0556.0	0617.0	24.0	190.0			QL=4 ST=2 TYP=8
	600	GORK	40 F	0556.1	0617.3		370.0			
	600	GORK	40 F	0556.1	0600.8	31.7	250.0			
	9100	GORK	45 C	0556.7	0605.1		20.0			
	9100	GORK	45 C	0556.7	0600.7		20.0			
	9100	GORK	45 C	0556.7	0558.8	8.4	16.0			
	3000	IZMI	42 SER	0557.7	0601.0	16.9	32.0			
	2840	PEKG	3 S	0558.0	0601.2	19.0	34.7			
	2950	GORK	46 C	0600.0	0605.4		8.3			
	2950	GORK	46 C	0600.0	0600.9	8.0	26.0			
	9100	GORK	1 S	0610.0	0610.7	1.8	9.2			
	2950	GORK	1 S	0613.4	0614.5	3.7	6.2			
	9100	GORK	1 S	0613.5	0614.4	1.7	11.0			
	900	GORK	4 S/F	0623.5U	0624.9	2.3D	120.0			
	600	GORK	40 F	0653.0	0703.4		25.0			
	600	GORK	40 F	0653.0	0659.5	22.0	36.0			
	2950	GORK	20 GRF	0654.0	0806.2	231.0	20.0			
	900	GORK	40 F	0654.5	0702.5	17.5	180.0			
	900	GORK	40 F	0654.5	0711.6		450.0			
	2840	PEKG	1 S	0700.0	0703.4	6.0	6.2			
	1415	LEAR	8 S	0701.0	0702.0	1.0	160.0			QL=4 ST=2 TYP=3
1415	SVTO	8 S	0701.0	0702.0	1.0	160.0			QL=4 ST=2 TYP=3	
900	GORK	2 S/F	0746.5	0746.7	0.7	11.0				
204	IZMI	42 SER	0748.6	0749.3	2.7	190.0				
204	IZMI	42 SER	0916.3	0917.0	1.9	190.0	9.0			
9100	GORK	1 S	0951.2	0951.4	0.5	8.8				
900	GORK	40 F	0956.0	0957.7	1.8	16.0				
204	IZMI	7 C	1030.9	1031.0	0.2	20.0				
245	SVTO	8 S	1153.0	1154.0	1.0	71.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1154.0	1154.0	U	100.0			QL=4 ST=2 TYP=3	
204	IZMI	7 C	1157.9	1157.9	0.1	28.0				
204	IZMI	41 F	1159.1	1159.3	0.4	17.0				
245	SGMR	8 S	1217.0	1217.0	U	57.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1243.0	1244.0	2.0	59.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1313.0	1314.0	2.0	160.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1314.0	1314.0	U	120.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	1731.0	1734.0	77.0	10.0				
2800	PENT	29 PBI	2113.0	2142.0	54.0	13.0				
8800	LEAR	4 S/F	2342.0	2344.0	4.0	170.0			QL=2 ST=2 TYP=3	
15400	LEAR	4 S/F	2342.0	2344.0	3.0	68.0			QL=2 ST=2 TYP=3	

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

21
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
01	4995	LEAR	4 S/F	2343.0	2344.0	3.0	74.0			QL=2 ST=2 TYP=3
	8800	PALE	8 S	2343.0	2344.0	2.0	170.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	2344.0	2344.0	1.0	62.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	2344.0	2344.0	1.0	49.0			QL=4 ST=2 TYP=3
02	204	IZMI	44 NS	0600.0E		42.0D		5.0		
	235	CUBA	44 NS	1335.0E		495.0D		7.0		
	280	CUBA	44 NS	1335.0E		495.0D		13.0		
	2840	PEKG	45 C	0358.0	0402.9	9.0	11.3			
	2804	VORO	46 C	0400.5	0401.2	4.7	7.8			
	2804	VORO	46 C	0400.5	0402.9		6.6			
	245	SVTO	8 S	0544.0	0544.0	U	85.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	0801.9	0802.0	0.2	8.0			
	204	IZMI	41 F	0824.8	0825.1	0.6	12.0			
	9100	GORK	3 S	0915.0	0915.3	0.6	23.0			
	2950	GORK	1 S	0921.8	0922.7	3.2	4.0			
	9100	GORK	1 S	1019.0U	1020.1	2.7D	7.1			
	204	IZMI	7 C	1029.5	1029.5	0.1	27.0			
	245	SGMR	8 S	1124.0	1125.0	1.0	85.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1124.0	1125.0	1.0	66.0			QL=4 ST=2 TYP=3
	204	IZMI	46 C	1124.6	1124.6	5.4	161.0			
	3000	IZMI	22 GRF	1124.7	1126.3	4.1	29.0	13.0		
	2695	SVTO	46 C	1125.0	1126.0	1.0	28.0			QL=4 ST=2 TYP=8
	15400	SVTO	46 C	1125.0	1126.0	1.0	42.0			QL=4 ST=2 TYP=8
	4995	SVTO	4 S/F	1125.0	1126.0	3.0	45.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1125.0	1126.0	3.0	72.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1126.4	1127.1	2.8	11.0			
	33	UPIC	48 C	1158.0	1202.0	8.5				
	2695	SVTO	8 S	1200.0	1201.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1200.0	1201.0	2.0	61.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1200.0	1201.0	3.0	120.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1201.0	1201.0	U	100.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1201.0	1201.0	U	56.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1201.0	1201.0	U	23.0			QL=4 ST=2 TYP=3
	2800	PENT	20 GRF	1528.0	1602.0	44.0	13.0			
	245	SGMR	8 S	1545.0	1545.0	U	220.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1545.0	1545.0	1.0	230.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2034.0	2043.0	29.0	5.0			
2800	PENT	29 PBI	2208.0	2219.0	29.0U	6.0				
03	245	LEAR	43 NS	0207.0	0217.0	114.0	92.0			QL=4 ST=2 TYP=1
	610	LEAR	43 NS	0250.0	0304.0	43.0	64.0			QL=4 ST=2 TYP=1
	410	LEAR	43 NS	0250.0	0306.0	76.0	84.0			QL=4 ST=2 TYP=1
	410	PALE	43 NS	0301.0	0327.0	1259.0	53.0			QL=4 ST=1 TYP=1
	204	IZMI	43 NS	0600.0		360.0D		20.0		
	235	CUBA	44 NS	1310.0E		520.0D		9.0		
	280	CUBA	44 NS	1310.0E		520.0D		18.0		
	2804	VORO	28 PRE	0038.2	0040.7	3.6	6.0			
	2840	PEKG	5 S	0040.0	0043.9	7.0	23.5			
	2804	VORO	2 S/F	0041.8	0044.0	3.4	14.8			
	2804	VORO	29 PBI	0045.2	0050.8	85.0	9.5			
	245	LEAR	8 S	0109.0	0109.0	1.0	72.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0112.0	0112.0	2.0	73.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0116.0	0116.0	1.0	75.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0117.0	0117.0	U	66.0			QL=4 ST=2 TYP=3
	410	LEAR	20 GRF	0137.0	0155.0	22.0	45.0			QL=4 ST=2 TYP=2
	610	LEAR	4 S/F	0140.0	0142.0	3.0	28.0			QL=4 ST=2 TYP=3
	245	LEAR	20 GRF	0155.0	0203.0	10.0	62.0			QL=4 ST=2 TYP=2
	1415	LEAR	8 S	0159.0	0159.0	U	45.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0250.0	0251.0	2.0	77.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0518.0	0518.0	U	64.0			QL=4 ST=2 TYP=3
	410	SVTO	48 C	0545.0	0641.0	64.0	400.0			QL=4 ST=2 TYP=8
	245	SVTO	4 S/F	0546.0	0550.0	4.0	37.0			QL=4 ST=2 TYP=3
	610	SVTO	46 C	0552.0	0559.0	11.0	35.0			QL=4 ST=2 TYP=8
	900	GORK	46 C	0610.8	0614.2		18.0			
	900	GORK	46 C	0610.8	0611.7	5.6	15.0			
	2840	PEKG	45 C	0638.0	0641.6	10.0	35.4			
410	LEAR	4 S/F	0640.0	0641.0	3.0	450.0			QL=4 ST=2 TYP=3	
410	SVTO	4 S/F	0640.0	0641.0	3.0	380.0			QL=2 ST=3 TYP=3	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
03	600	GORK	45 C	0640.7	0642.0		32.0			
	600	GORK	45 C	0640.7	0641.2	5.0	12.0			
	2950	GORK	45 C	0640.9	0642.5		23.0			
	204	IZMI	46 C	0640.9	0641.5	2.1	2374.0			
	2950	GORK	45 C	0640.9	0641.7	5.2	28.0			
	2800	HIRA	4 S/F	0641.0	0642.0	2.0	40.0			0
	500	HIRA	7 C	0641.0	0642.0	5.0	40.0			WL
	245	LEAR	49 GB	0641.0	0641.0	2.0	700.0			QL=4 ST=2 TYP=6
	4995	LEAR	8 S	0641.0	0642.0	1.0	40.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0641.0	0641.0	2.0	700.0			QL=2 ST=3 TYP=6
	4995	SVTO	8 S	0641.0	0642.0	1.0	48.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0641.0	0642.0	7.0	45.0			QL=4 ST=2 TYP=3
	3000	IZMI	22 GRF	0641.0	0641.7	2.7	33.0	13.0		
	33	UPIC	4 S/F	0641.5	0642.0	2.0				UNCERTN
	9100	GORK	2 S/F	0641.5	0641.7	3.1	17.0			
	204	IZMI	45 C	0643.2	0643.2	0.1	286.0			
	204	IZMI	42 SER	0644.2	0645.2	2.7	93.0			
	204	IZMI	45 C	0647.5	0648.2	1.1	428.0			
	204	IZMI	41 F	0945.3	0946.4	1.7	16.0			
	245	SVTO	49 GB	1020.0	1020.0	1.0	570.0			QL=4 ST=2 TYP=6
	410	SVTO	8 S	1020.0	1020.0	1.0	94.0			QL=4 ST=2 TYP=3
	204	IZMI	45 C	1020.7	1020.9	0.6	62.0			
	610	SVTO	8 S	1021.0	1023.0	2.0	420.0			QL=2 ST=2 TYP=3
	245	SVTO	8 S	1025.0	1025.0	U	55.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	1025.1	1025.5	0.5	27.0			
	204	IZMI	42 SER	1152.8	1154.7	2.0	37.0			
	245	SGMR	8 S	1154.0	1154.0	U	59.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1206.0	1206.0	U	57.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1408.0	1409.0	1.0	51.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1409.0	1409.0	U	51.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1719.0	1719.0	U	160.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1719.0	1719.0	U	170.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	1919.0	1922.0	6.0	6.0			
	6700	CUBA	1 S	1922.0	1922.8	2.0	11.0	5.0		5L
	2800	PENT	29 PBI	2115.0	2118.0	77.0U	77.0			
	2800	HIRA	8 S	2118.0	2118.0	1.0	120.0			SL
	500	HIRA	8 S	2118.0	2118.0	1.0	70.0			0
	2695	PALE	8 S	2118.0	2118.0	U	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2118.0	2118.0	U	180.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	2118.0	2118.0	U	110.0			QL=4 ST=2 TYP=3
245	PALE	8 S	2121.0	2121.0	1.0	120.0			QL=4 ST=2 TYP=3	
500	HIRA	8 S	2235.0	2235.0	1.0	15.0			0	
245	LEAR	8 S	2235.0	2235.0	1.0	60.0			QL=4 ST=2 TYP=3	
04	235	CUBA	44 NS	1300.0E		470.0D	8.0			
	280	CUBA	44 NS	1300.0E		470.0D	15.0			
	2800	PENT	1 S	0025.0	0027.0	5.0	9.0			
	245	LEAR	8 S	0057.0	0058.0	1.0	53.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0058.0	0058.0	U	64.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0107.0	0107.0	U	94.0			QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0300.9	0310.0	9.1	18.6			
	2840	PEKG	5 S	0309.8E	0309.9	5.0D	19.8			
	204	IZMI	42 SER	0601.8	0601.8	0.6	246.0			
	2840	PEKG	20 GRF	0602.0	0608.1	17.0	12.7			
	204	IZMI	42 SER	0602.8	0603.1	0.4	26.0			
	204	IZMI	42 SER	0927.5	0927.8	0.8	28.0			
	204	IZMI	42 SER	1047.7	1048.1	0.9	36.0			
	204	IZMI	7 C	1049.7	1049.7	0.1	9.0			
	204	IZMI	42 SER	1106.3	1106.8	0.7	35.0			
	204	IZMI	42 SER	1108.2	1108.4	0.4	14.0			
	245	SVTO	8 S	1140.0	1140.0	U	95.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1140.0	1140.0	U	43.0			QL=4 ST=2 TYP=3
	235	CUBA	48 C	1415.9	1416.4	3.2	3808.0	1904.0		
	280	CUBA	48 C	1415.9	1416.4	3.2	3442.0	1720.0		
	245	SGMR	8 S	1417.0	1417.0	1.0	190.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1417.0	1417.0	2.0	190.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	1531.0	1531.0	1.0	62.0			QL=4 ST=2 TYP=3	
6700	CUBA	1 S	2112.0	2112.6	1.2	7.0	3.0		14R	
245	LEAR	8 S	2353.0	2353.0	1.0	75.0			QL=4 ST=2 TYP=3	

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

23
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
05	204	IZMI	43 NS	1025.0		95.0D		30.0		
	235	CUBA	44 NS	1400.0E		470.0D		9.0		
	280	CUBA	44 NS	1400.0E		470.0D		15.0		
	245	SGMR	43 NS	1907.0	2006.0	134.0	150.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0312.0	0312.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0312.0	0312.0	1.0	280.0			QL=4 ST=2 TYP=3
	900	GORK	41 F	0701.9	0702.3	2.5	46.0			
	900	GORK	41 F	0701.9	0703.6		10.0			
	600	GORK	40 F	0830.4	0830.9	0.7	6.0			
	204	IZMI	42 SER	0958.1	0958.4	1.3	60.0			
	900	GORK	40 F	1000.6	1001.6	1.3	18.0			
	600	GORK	40 F	1004.2	1004.5	1.0	6.3			
	600	GORK	40 F	1010.4	1010.9	0.5	3.8			
	600	GORK	40 F	1017.6	1018.4	1.8	8.8			
	204	IZMI	41 F	1027.4	1027.9	1.0	13.0			
	33	UPIC	47 GB	1028.0	1058.5	91.0				
	204	IZMI	45 C	1132.8	1132.9	0.4	113.0			
	245	SVTO	8 S	1220.0	1220.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1258.0	1258.0	U	71.0			QL=4 ST=2 TYP=3
	33	UPIC	3 S	1303.0	1303.5	1.0				
	245	SGMR	8 S	1355.0	1355.0	U	230.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1355.0	1355.0	1.0	250.0			QL=4 ST=3 TYP=3
	245	SVTO	4 S/F	1355.0	1355.0	7.0	250.0			QL=4 ST=3 TYP=3
	245	SGMR	8 S	1504.0	1504.0	U	72.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1519.0	1519.0	U	67.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1630.0	1630.0	U	51.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1814.0	1814.0	U	68.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1821.0	1821.0	U	89.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1824.0	1824.0	1.0	260.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1824.0	1824.0	1.0	190.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1824.0	1825.2	2.0	6.0	3.0		15L
	9500	CUBA	1 S	1824.0	1825.2	2.0	8.0	4.0		
	245	SGMR	8 S	1856.0	1856.0	U	78.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1954.0	1954.0	1.0	170.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2050.0	2123.0	102.0U	17.0			
	245	SGMR	8 S	2104.0	2105.0	2.0	160.0			QL=2 ST=2 TYP=3
	1415	SGMR	4 S/F	2104.0	2109.0	8.0	75.0			QL=2 ST=2 TYP=3
	500	HIRA	7 C	2104.0	2110.0	12.0	110.0			ML
	245	PALE	8 S	2105.0	2105.0	1.0	210.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	2105.0	2113.0	9.0	95.0			QL=2 ST=2 TYP=3
610	SGMR	4 S/F	2105.0	2107.0	5.0	230.0			QL=2 ST=2 TYP=3	
610	PALE	4 S/F	2106.0	2107.0	4.0	290.0			QL=4 ST=2 TYP=3	
410	PALE	48 C	2108.0	2113.0	6.0	150.0			QL=4 ST=2 TYP=8	
1415	PALE	8 S	2109.0	2110.0	1.0	47.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2130.0	2130.0	1.0	110.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	2221.0	2221.0	U	82.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2221.0	2221.0	U	61.0			QL=4 ST=2 TYP=3	
245	LEAR	4 S/F	2244.0	2244.0	3.0	75.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	2316.0	2316.0	1.0	86.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2316.0	2316.0	1.0	77.0			QL=4 ST=2 TYP=3	
06	245	SVTO	43 NS	0534.0	0549.0	30.0	260.0			QL=2 ST=2 TYP=1
	245	SVTO	43 NS	0725.0	0733.0	328.0	390.0			QL=2 ST=2 TYP=1
	245	LEAR	43 NS	0731.0	0733.0	155.0	430.0			QL=2 ST=2 TYP=1
	204	IZMI	43 NS	0733.0		267.0D		75.0		
	127	TORN	43 NS	0813.0		407.0		45.0		V=1
	245	SGMR	43 NS	1120.0	1402.0	235.0	150.0			QL=4 ST=3 TYP=1
	235	CUBA	44 NS	1305.0E		525.0D		9.0		
	280	CUBA	44 NS	1305.0E		525.0D		14.0		
	245	LEAR	8 S	0033.0	0033.0	U	76.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0046.0	0046.0	1.0	95.0			QL=4 ST=2 TYP=3
	245	PALE	4 S/F	0239.0	0240.0	4.0	68.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0240.0	0240.0	1.0	51.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0320.0	0320.0	1.0	71.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0444.0	0444.0	U	63.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0453.0	0453.0	U	130.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0501.0	0501.0	1.0	59.0			QL=2 ST=2 TYP=3
410	SVTO	8 S	0511.0	0511.0	U	23.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0513.0	0513.0	U	67.0			QL=4 ST=2 TYP=3	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
06	2840	PEKG	3 S	0515.0	0522.5	15.0	36.9			
	245	LEAR	4 S/F	0519.0	0521.0	3.0	190.0		QL=2 ST=2 TYP=3	
	900	GORK	46 C	0519.7	0521.2		33.0			
	900	GORK	46 C	0519.7	0520.8	8.3	43.0			
	2800	HIRA	1 S	0520.0	0523.0	8.0	35.0		0	
	2695	LEAR	4 S/F	0520.0	0522.0	3.0	35.0		QL=2 ST=2 TYP=3	
	4995	LEAR	4 S/F	0520.0	0522.0	6.0	69.0		QL=2 ST=2 TYP=3	
	8800	LEAR	4 S/F	0520.0	0521.0	9.0	76.0		QL=2 ST=2 TYP=3	
	500	HIRA	4 S/F	0520.0	0521.0	10.0	60.0		0	
	600	GORK	46 C	0520.1	0521.2		33.0			
	600	GORK	46 C	0520.1	0526.2		9.2			
	600	GORK	46 C	0520.1	0520.5	8.0	57.0			
	9100	GORK	46 C	0520.2	0521.1	3.3	43.0			
	2950	GORK	46 C	0520.2	0522.6	5.6D	15.0			
	9100	GORK	46 C	0520.2	0521.7		50.0			
	2950	GORK	46 C	0520.2	0523.8		19.0			
	410	LEAR	8 S	0521.0	0521.0	U	43.0		QL=2 ST=2 TYP=3	
	610	LEAR	8 S	0521.0	0521.0	U	25.0		QL=2 ST=2 TYP=3	
	1415	LEAR	8 S	0521.0	0522.0	1.0	22.0		QL=2 ST=2 TYP=3	
	15400	LEAR	8 S	0521.0	0522.0	1.0	30.0		QL=2 ST=2 TYP=3	
	410	SVTO	48 C	0521.0	0521.0	U	54.0		QL=4 ST=2 TYP=8	
	1415	SVTO	46 C	0521.0	0522.0	2.0	33.0		QL=4 ST=2 TYP=8	
	2695	SVTO	46 C	0521.0	0522.0	1.0	24.0		QL=4 ST=2 TYP=8	
	8800	SVTO	48 C	0525.0	0531.0	7.0	53.0		QL=4 ST=2 TYP=8	
	9100	GORK	29 PBI	0525.0	0525.0	45.0	24.0			
	245	SVTO	48 C	0526.0	0526.0	6.0	110.0		QL=4 ST=2 TYP=8	
	15400	SVTO	4 S/F	0528.0	0530.0	4.0	29.0		QL=4 ST=2 TYP=3	
	4995	SVTO	8 S	0531.0	0532.0	1.0	24.0		QL=4 ST=2 TYP=3	
	245	LEAR	4 S/F	0532.0	0534.0	3.0	94.0		QL=2 ST=2 TYP=3	
	245	LEAR	4 S/F	0537.0	0538.0	3.0	120.0		QL=2 ST=2 TYP=3	
	245	LEAR	8 S	0624.0	0624.0	1.0	170.0		QL=2 ST=2 TYP=3	
	245	SVTO	8 S	0624.0	0624.0	1.0	160.0		QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0645.0	0645.0	1.0	85.0		QL=2 ST=2 TYP=3	
245	SVTO	48 C	0718.0	0718.0	U	57.0		QL=4 ST=2 TYP=8		
245	LEAR	8 S	0728.0	0728.0	1.0	230.0		QL=2 ST=2 TYP=3		
245	SGMR	48 C	1151.0	1159.0	729.0	83.0		QL=4 ST=3 TYP=8		
245	SVTO	8 S	1402.0	1402.0	U	100.0		QL=4 ST=2 TYP=3		
2800	PENT	32 ABS	1730.0	1919.0	111.0	5.0				
2800	PENT	40 F	2333.0	2414.0	49.0	7.0				
07	235	CUBA	44 NS	1305.0E		525.0D	6.0			
	280	CUBA	44 NS	1305.0E		525.0D	15.0			
	2804	VORO	8 S	0014.8	0015.0	0.9	10.7			
	2840	PEKG	3 S	0508.0	0512.4	10.0	11.1			
	2800	PENT	1 S	1804.0	1806.0	5.0	4.0			
	2840	PEKG	1 S	2252.0	2253.9	4.0	6.2			
	2804	VORO	1 S	2257.8	2258.6	1.8	8.9			
	2800	PENT	1 S	2339.0	2341.0	5.0	4.0			
	08	235	CUBA	44 NS	1315.0E		515.0D	6.0		
280		CUBA	44 NS	1315.0E		515.0D	13.0			
410		SVTO	8 S	0527.0	0527.0	1.0	75.0		QL=4 ST=2 TYP=3	
2840		PEKG	5 S	0527.0	0529.8	6.0	60.5			
245		SVTO	48 C	0528.0	0529.0	2.0	130.0		QL=4 ST=2 TYP=8	
900		GORK	46 C	0529.2	0532.1		8.6			
900		GORK	46 C	0529.2	0529.7	4.5	8.6			
2950		GORK	4 S/F	0529.7	0529.9	1.6	40.0			
2950		GORK	2 S/F	0546.6	0546.7	0.5	7.1			
2840		PEKG	45 C	0809.0	0813.0	17.0	33.0			
900		GORK	41 F	0810.4	0816.3		7.4			
900		GORK	41 F	0810.4	0812.5	6.3	6.1			
3000		IZMI	45 C	0811.6	0812.9	10.3	33.0	13.0		
2950		GORK	46 C	0812.0U	0813.0	7.5D	27.0			
2950		GORK	46 C	0812.0	0818.0		21.0			
9100		GORK	20 GRF	0812.0	0813.6	13.0	10.0			
204	IZMI	42 SER	0812.3	0814.3	5.0	11.0				
600	GORK	20 GRF	0815.0	0824.5	15.5	7.3				
2950	GORK	29 PBI	0819.5	0819.5	13.5	16.0				

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

25
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
09	245	SGMR	43 NS	1106.0	1126.0U	83.0	160.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1300.0E		530.0D		7.0		
	280	CUBA	44 NS	1300.0E		530.0D		13.0		
	204	IZMI	7 C	0716.3	0716.3	0.2	16.0			
	2950	GORK	28 PRE	0725.8	0734.4	9.0	4.6			
	2840	PEKG	20 GRF	0728.0	0734.5	15.0	13.7			
	245	LEAR	8 S	0732.0	0733.0	2.0	46.0			QL=2 ST=2 TYP=3
	2950	GORK	46 C	0732.8	0734.5	9.9	16.0			
	2950	GORK	46 C	0732.8	0738.6		9.2			
	204	IZMI	46 C	0733.1	0734.4	7.8	128.0			
	3000	IZMI	7 C	0733.3	0734.5	6.5	18.0	7.0		
	600	GORK	7 C	0734.0	0739.3		7.3			
	600	GORK	7 C	0734.0	0738.5	9.1	9.7			
	204	IZMI	42 SER	0744.8	0751.0	10.4	23.0			
	500	HIRA	3 S	0756.0	0801.0	10.0	20.0			0
	204	IZMI	45 C	0827.9	0827.9	0.1	150.0			
	204	IZMI	45 C	0834.8	0834.8	0.1	117.0			
	204	IZMI	26 FAL	1038.3	1144.1	81.7D	236.0			
	600	GORK	46 C	1044.0	1107.2		85.0			
	600	GORK	46 C	1044.0	1112.7		57.0			
	600	GORK	46 C	1044.0	1101.9	40.7	78.0			
	900	GORK	46 C	1046.3	1103.0		1400.0			
	900	GORK	46 C	1046.3	1101.8	25.2	210.0			
	3000	IZMI	45 C	1046.9	1101.7	51.3U	133.0	37.0		
	9100	GORK	20 GRF	1049.8	1103.9	40.0D	38.0			
	2950	GORK	4 S/F	1049.9	1101.8	25.1	110.0			
	410	SVTO	4 S/F	1055.0	1101.0	8.0	24.0			QL=4 ST=3 TYP=3
	1415	SVTO	4 S/F	1055.0	1101.0	8.0	230.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1055.0	1103.0	10.0	68.0			QL=4 ST=3 TYP=3
	8800	SVTO	4 S/F	1055.0	1104.0	10.0	35.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1056.0	1057.0	1.0	27.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1056.0	1101.0	7.0	110.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1100.0	1100.0	10.0	25.0			QL=4 ST=3 TYP=3
	2950	GORK	29 PBI	1112.0	1112.0	18.0D	47.0			
	410	SGMR	48 C	1144.0	1144.0	3.0	51.0			QL=2 ST=2 TYP=8
	204	IZMI	45 C	1145.6	1145.6U	0.1	1122.0			
	410	SGMR	8 S	1827.0	1827.0		67.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	2018.0	2019.0	1.0	64.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2018.0	2018.0	1.0	68.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	2018.0	2018.0		61.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	2019.0	2019.0		55.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	2115.0	2115.0		51.0			QL=2 ST=2 TYP=3	
500	HIRA	8 S	2116.0	2116.0	1.0	15.0			0	
10	235	CUBA	44 NS	1320.0E		510.0D		6.0		
	280	CUBA	44 NS	1320.0E		510.0D		10.0		
	500	HIRA	8 S	0121.0	0122.0	3.0	25.0			0
	500	HIRA	8 S	0145.0	0145.0	1.0	30.0			0
	500	HIRA	1 S	0454.0	0457.0	4.0	10.0			0
	245	LEAR	8 S	0456.0	0456.0		75.0			QL=2 ST=2 TYP=3
	204	IZMI	42 SER	0617.1	0618.3	1.5	17.0			
	204	IZMI	42 SER	0626.4	0626.7	1.0	16.0			
	2950	GORK	2 S/F	0654.5	0654.8	0.6	11.0			
	204	IZMI	42 SER	0810.9	0811.1	0.5	16.0			
	9100	GORK	4 S/F	0915.2	0916.5	4.0	17.0			
	2950	GORK	2 S/F	0916.0	0916.4	0.8	12.0			
	3000	IZMI	7 C	0916.2	0916.4	1.9	22.0	6.0		
	9100	GORK	29 PBI	0919.2	0919.2	18.8	7.5			
	9500	CUBA	2 S/F	1339.1	1342.9	4.7	11.0	5.0		
	6700	CUBA	2 S/F	1946.2	1947.8	4.6	9.0	4.0		00L
9500	CUBA	2 S/F	1947.1	1947.7	1.7	21.0	10.0			
2800	PENT	21 GRF	2143.0	2156.0	49.0U	17.0				
500	HIRA	7 C	2150.0	2156.0	8.0	30.0			0	
11	235	CUBA	44 NS	1300.0E		530.0D		6.0		
	280	CUBA	44 NS	1300.0E		530.0D		13.0		
	500	HIRA	42 SER	0416.0	0420.0	6.0	10.0			0
	33	UPIC	4 S/F	0837.0	0837.5	1.0				
	204	IZMI	42 SER	0837.4	0838.5	1.3	14.0			

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
11	600	GORK	40 F	0927.2	0927.8	1.4	18.0			
	600	GORK	40 F	0932.0	0933.2	2.9	24.0			
	600	GORK	40 F	0936.4	0936.5	1.0	10.0			
	204	IZMI	42 SER	0937.8	0938.5	2.5	38.0			
	33	UPIC	4 S/F	0938.0	0938.5	2.0				
	204	IZMI	42 SER	0942.6	0942.7	1.0	8.0			
	9500	CUBA	1 S	1739.8	1740.2	1.2	5.0	2.0		
12	235	CUBA	44 NS	1300.0E		420.0D		6.0		
	280	CUBA	44 NS	1300.0E		420.0D		10.0		
	15400	LEAR	8 S	0254.0	0254.0	1.0	80.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	0322.0	0323.0	2.0	280.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0651.0	0652.0	1.0	65.0			QL=4 ST=2 TYP=3
	15400	SVTO	48 C	0651.0	0652.0	1.0	61.0			QL=4 ST=2 TYP=8
	9100	GORK	1 S	0657.9	0658.2	0.9	9.6			
	9100	GORK	2 S/F	0734.3	0734.6	1.3	24.0			
	15400	LEAR	8 S	0740.0	0740.0	1.0	85.0			QL=4 ST=2 TYP=3
	8800	SVTO	46 C	0740.0	0740.0	U	30.0			QL=4 ST=2 TYP=8
	15400	SVTO	8 S	0740.0	0740.0	U	68.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0822.7	0823.1	1.5	26.0			
	15400	LEAR	8 S	0823.0	0823.0	U	93.0			QL=4 ST=2 TYP=3
	8800	SVTO	46 C	0823.0	0823.0	U	29.0			QL=4 ST=2 TYP=8
	15400	SVTO	8 S	0823.0	0823.0	U	99.0			QL=4 ST=2 TYP=3
	204	IZMI	7 C	0852.4	0852.4	0.1	8.0			
	3000	IZMI	1 S	1000.9	1001.2	0.5	8.0	4.0		
	204	IZMI	42 SER	1003.8	1004.0	0.3	18.0			
	3000	IZMI	22 GRF	1054.3	1056.4	3.1	11.0	5.0		
	245	SGMR	8 S	1255.0	1255.0	1.0	370.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1255.0	1255.0	U	26.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1255.0	1255.0	1.0	280.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	1956.0	1956.0	1.0	85.0			QL=4 ST=2 TYP=3
15400	SGMR	8 S	1956.0	1956.0	U	91.0			QL=4 ST=2 TYP=3	
9500	CUBA	2 S/F	1956.1	1956.6	1.8	20.0	10.0			
2800	PENT	1 S	2212.0	2215.0	6.0	3.0				
13	204	IZMI	43 NS	0600.0		222.0D		8.0		
	127	TORN	44 NS	0630.0E		420.0D		20.0		V=1,DISTURBED
	235	CUBA	44 NS	1300.0E		530.0D		9.0		
	280	CUBA	44 NS	1300.0E		530.0D		11.0		
	245	LEAR	43 NS	2229.0	2230.0	121.0	87.0			QL=4 ST=2 TYP=1
	410	PALE	8 S	0344.0	0344.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0413.0	0413.0	1.0	81.0			QL=4 ST=2 TYP=3
	2840	PEKG	45 C	0520.0	0522.1	8.0	101.4			
	245	LEAR	49 GB	0521.0	0521.0	2.0	2200.0			QL=4 ST=2 TYP=6
	410	LEAR	8 S	0521.0	0521.0	1.0	160.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0521.0	0522.0	2.0	41.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0521.0	0522.0	2.0	67.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0521.0	0522.0	2.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	49 GB	0521.0	0521.0	3.0	1500.0			QL=4 ST=2 TYP=6
	410	SVTO	4 S/F	0521.0	0521.0	4.0	89.0			QL=4 ST=2 TYP=3
	1415	SVTO	4 S/F	0521.0	0522.0	4.0	40.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	0521.0	0523.0	4.0	61.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0521.0	0522.0	4.0	68.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0521.0	0523.0	4.0	49.0			QL=4 ST=2 TYP=3
	2950	GORK	46 C	0521.4	0522.2	5.6D	80.0			
	2950	GORK	46 C	0521.4	0523.4		50.0			
	9100	GORK	7 C	0521.6	0522.0	2.2	14.0			
	600	GORK	45 C	0521.6	0522.1	5.9	21.0			
	9100	GORK	7 C	0521.6	0523.3		15.0			
	600	GORK	45 C	0521.6	0523.6		20.0			
	900	GORK	45 C	0521.7	0527.2	8.9	57.0			
	900	GORK	45 C	0521.7	0523.6		54.0			
	2800	HIRA	4 S/F	0522.0	0522.0	8.0	85.0			0
	500	HIRA	4 S/F	0522.0	0522.0	7.0	60.0			0
	245	LEAR	8 S	0526.0	0526.0	1.0	59.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0900.5	0900.9	1.1	29.0			
15400	LEAR	8 S	0935.0	0935.0	U	65.0			QL=4 ST=2 TYP=3	
9100	GORK	1 S	0935.2	0935.6	1.2	10.0				
204	IZMI	42 SER	1034.1	1037.9	8.6	24.0				

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

27
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
13	15400	PALE	8 S	2000.0	2001.0	2.0	280.0			QL=4 ST=2 TYP=3	
	8800	SGMR	8 S	2000.0	2001.0	2.0	110.0			QL=4 ST=2 TYP=3	
	15400	SGMR	8 S	2000.0	2001.0	2.0	310.0			QL=4 ST=2 TYP=3	
	9500	CUBA	3 S	2000.3	2001.1	2.7	105.0	52.0			
	8800	PALE	8 S	2001.0	2001.0	U	65.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	2001.0	2001.0	U	48.0				QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2330.0	2338.0	33.0	12.0				
14	204	IZMI	43 NS	0600.0		300.0D		45.0			
	127	TORN	44 NS	0630.0E		510.0D		30.0		V=1	
	235	CUBA	44 NS	1330.0E		330.0D		11.0			
	280	CUBA	44 NS	1330.0E		330.0D		14.0			
	2840	PEKG	5 S	0115.0	0117.1	4.0	32.9				
	245	LEAR	8 S	0646.0	0646.0	U	100.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	0646.0	0646.0	U	56.0				QL=2 ST=2 TYP=3
	2840	PEKG	1 S	0753.0	0755.4	4.0	9.6				
	245	SVTO	8 S	0918.0	0919.0	1.0	66.0				QL=4 ST=3 TYP=3
	245	SGMR	4 S/F	1144.0	1146.0	7.0	55.0				QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1145.0	1146.0	3.0	61.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1223.0	1223.0	U	83.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1455.0	1456.0	1.0	57.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1505.0	1505.0	U	93.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1554.0	1554.0	1.0	110.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1746.0	1746.0	U	140.0				QL=4 ST=2 TYP=3
	2800	PENT	20 GRF	1830.0	1843.0	28.0	4.0				
	245	SGMR	8 S	1904.0	1904.0	U	68.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1911.0	1911.0	U	100.0				QL=4 ST=2 TYP=3
	15400	PALE	8 S	1924.0	1925.0	1.0	120.0				QL=4 ST=2 TYP=3
	8800	SGMR	46 C	1925.0	1925.0	U	31.0				QL=4 ST=3 TYP=8
15400	SGMR	8 S	1925.0	1925.0	U	94.0				QL=2 ST=3 TYP=3	
245	SGMR	8 S	2017.0	2018.0	1.0	60.0				QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2036.0	2124.0	107.0	13.0					
245	SGMR	8 S	2041.0	2041.0	U	140.0				QL=4 ST=2 TYP=3	
15	204	IZMI	43 NS	0607.0		293.0D		20.0			
	245	SVTO	43 NS	1133.0	1133.0	18.0	85.0			QL=4 ST=2 TYP=1	
	127	TORN	44 NS	1240.0E		70.0D		20.0		V=1	
	235	CUBA	44 NS	1305.0E		525.0D		10.0			
	280	CUBA	44 NS	1305.0E		525.0D		15.0			
	15400	LEAR	8 S	0547.0	0548.0	1.0	110.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0547.0	0548.0	2.0	100.0				QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0548.0	0548.0	2.0	25.0				QL=4 ST=2 TYP=3
	8800	SVTO	46 C	0548.0	0548.0	U	28.0				QL=4 ST=2 TYP=8
	600	GORK	2 S/F	0737.6	0738.0	1.9	3.8				
	9100	GORK	1 S	0819.2	0819.5	0.5	16.0				
	2840	PEKG	3 S	0853.0	0858.7	10.0	28.2				
	900	GORK	40 F	0932.9	0934.0	1.6	25.0				
	900	GORK	4 S/F	0944.7	0945.0	0.7	18.0				
	9100	GORK	1 S	0959.5	1000.5	2.8	8.4				
	204	IZMI	26 FAL	1023.0		72.0		40.0			
	245	SGMR	8 S	1133.0	1133.0	U	72.0				QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	1237.0	1242.0	8.0	59.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1242.0	1242.0	U	82.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1248.0	1249.0	1.0	54.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1512.0	1512.0	U	94.0				QL=4 ST=2 TYP=3
6700	CUBA	20 GRF	1613.0	1616.0	13.0	12.0	6.0			7R	
245	PALE	8 S	1954.0	1954.0	U	100.0				QL=4 ST=2 TYP=3	
16	204	IZMI	44 NS	0600.0E		300.0D		10.0			
	235	CUBA	44 NS	1305.0E		525.0D		6.0			
	280	CUBA	44 NS	1305.0E		525.0D		10.0			
	600	GORK	46 C	0614.2	0614.5	1.3	11.0				
	600	GORK	46 C	0614.2	0614.7		15.0				
	15400	LEAR	8 S	0623.0	0624.0	1.0	60.0				QL=4 ST=3 TYP=3
	15400	SVTO	8 S	0623.0	0624.0	1.0	67.0				QL=4 ST=2 TYP=3
	9100	GORK	3 S	0623.9	0624.1	2.6	14.0				
	600	GORK	40 F	0717.0	0718.4	2.5	13.0				
	204	IZMI	42 SER	0754.8	0754.9	0.4	15.0				
	9100	GORK	4 S/F	0756.4	0757.0	0.8	48.0				

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
16	900	GORK	46 C	0923.7	0925.0	3.1	6.8			
	900	GORK	46 C	0923.7	0926.4		29.0			
	9100	GORK	4 S/F	0925.7	0926.5	2.1	21.0			
	3000	IZMI	20 GRF	0925.9	0926.6	2.3	36.0	14.0		
	2950	GORK	4 S/F	0925.9	0926.6	19.1	55.0			
	2695	LEAR	8 S	0926.0	0926.0	1.0	30.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0926.0	0926.0	U	28.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0954.7	0956.2	3.1	23.0			
	204	IZMI	41 F	0957.2	0957.4	0.4	115.0			
	9100	GORK	3 S	1032.5	1032.7	0.5	12.0			
	204	IZMI	42 SER	1058.1	1058.3	0.3	29.0			
	6700	CUBA	1 S	1412.3	1412.5	0.5	11.0	5.0		26L
	245	PALE	49 GB	1733.0	1733.0	U	980.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	1733.0	1733.0	U	970.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1733.0	1733.0	U	45.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1811.2	1811.4	0.9	11.0	5.0		
	6700	CUBA	21 GRF	1844.0	1928.0	226.0	24.0	12.0		20L
	2800	PENT	24 R	1904.0	1923.0	28.0U	4.0			
	9500	CUBA	22 GRF	1920.0	1923.0	34.0	31.0	15.0		
	6700	CUBA	4 S/F	1922.2	1926.6	6.7	13.0	6.0		8L
2800	PENT	1 S	2151.0	2154.0	6.0	5.0				
410	PALE	49 GB	2154.0	2154.0	U	1200.0			QL=4 ST=2 TYP=6	
245	PALE	8 S	2154.0	2154.0	U	260.0			QL=4 ST=2 TYP=3	
17	235	CUBA	44 NS	1305.0E		525.0D		7.0		
	280	CUBA	44 NS	1305.0E		525.0D		9.0		
	245	PALE	49 GB	0115.0	0118.0	5.0	1100.0			QL=2 ST=2 TYP=6
	245	LEAR	8 S	0116.0	0116.0	U	56.0			QL=2 ST=2 TYP=3
	245	PALE	8 S	0251.0	0251.0	2.0	360.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0252.0	0253.0	1.0	130.0			QL=2 ST=2 TYP=3
	245	LEAR	8 S	0353.0	0353.0	1.0	71.0			QL=2 ST=2 TYP=3
	2840	PEKG	5 S	0429.0	0431.3	4.0	112.1			
	2950	GORK	3 S	0604.2	0605.8	5.1	5.9			
	2840	PEKG	1 S	0606.0	0608.9	6.0	6.6			
	2840	PEKG	5 S	0714.0	0717.2	6.0	18.1			
	2950	GORK	4 S/F	0715.4	0716.9	2.6	16.0			
	3000	IZMI	22 GRF	0715.6	0716.7	3.4	28.0	11.0		
	9100	GORK	1 S	0716.2	0716.7	2.1	9.7			
	204	IZMI	41 F	0730.4	0731.0	1.2	65.0			
	9100	GORK	40 F	0738.1	0738.5	1.4	33.0			
	204	IZMI	42 SER	0738.8	0739.1	1.0	54.0			
	204	IZMI	42 SER	0740.2	0740.4	0.6	79.0			
	9100	GORK	4 S/F	0749.8	0750.1	0.6	37.0			
	15400	LEAR	8 S	0915.0	0915.0	U	61.0			QL=4 ST=3 TYP=3
	9100	GORK	1 S	0953.6	0954.1	1.4	9.6			
	204	IZMI	42 SER	1008.1	1008.4	0.8	14.0			
	2695	SVTO	46 C	1119.0	1120.0	2.0	43.0			QL=4 ST=2 TYP=8
	4995	SVTO	4 S/F	1119.0	1120.0	3.0	91.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1119.0	1120.0	4.0	150.0			QL=4 ST=2 TYP=3
	3000	IZMI	45 C	1119.2	1120.6	3.4	54.0	26.0		
	1415	SVTO	46 C	1120.0	1120.0	1.0	26.0			QL=4 ST=2 TYP=8
	15400	SVTO	48 C	1120.0	1120.0	1.0	63.0			QL=4 ST=2 TYP=8
	245	SVTO	8 S	1121.0	1121.0	U	130.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1141.1	1143.8	5.2	143.0			
	4995	SGMR	8 S	1154.0	1155.0	2.0	63.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1154.0	1155.0	2.0	64.0			QL=4 ST=2 TYP=3
3000	IZMI	7 C	1154.4	1155.2	1.8	28.0	10.0			
2695	SGMR	8 S	1155.0	1155.0	U	33.0			QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1155.0	1155.0	U	43.0			QL=2 ST=2 TYP=3	
2695	SVTO	46 C	1155.0	1155.0	U	24.0			QL=4 ST=2 TYP=8	
8800	SVTO	46 C	1155.0	1155.0	U	38.0			QL=4 ST=2 TYP=8	
245	SGMR	8 S	1403.0	1403.0	1.0	50.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1526.0	1526.0	U	200.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1526.0	1526.0	U	340.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1530.0	1530.0	U	81.0			QL=4 ST=2 TYP=3	
2800	PENT	1 S	1612.0	1615.0	6.0	3.0				
410	SGMR	8 S	1821.0	1821.0	2.0	65.0			QL=4 ST=2 TYP=3	
2800	PENT	20 GRF	2044.0	2057.0	24.0	3.0				
2800	PENT	20 GRF	2133.0	2144.0	25.0	5.0				

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

29
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m ² Hz)	Mean		
18	204	IZMI	43 NS	1012.0		108.0D		10.0		
	245	SGMR	43 NS	1513.0	1618.0	527.0	180.0		QL=4 ST=3 TYP=1	
	245	SGMR	43 NS	1618.0	1618.0	462.0	180.0		QL=4 ST=2 TYP=1	
	245	PALE	43 NS	1829.0	1849.0	509.0	55.0		QL=4 ST=2 TYP=1	
	500	HIRA	8 S	0010.0	0010.0	1.0	35.0		0	
	245	LEAR	8 S	0142.0	0142.0	2.0	57.0		QL=4 ST=2 TYP=3	
	245	PALE	8 S	0142.0	0142.0	U	70.0		QL=4 ST=2 TYP=3	
	9100	GORK	4 S/F	0531.0	0534.5	3.5	10.0			
	204	IZMI	42 SER	0608.0	0609.0	2.5	174.0	13.0		
	500	HIRA	8 S	0612.0	0613.0	1.0	10.0		0	
	204	IZMI	7 C	0645.4	0645.5	0.1	14.0			
	204	IZMI	7 C	0741.8	0741.9	0.1	12.0			
	204	IZMI	42 SER	0804.4	0804.8	0.4	18.0			
	204	IZMI	41 F	0812.4	0812.5	0.2	17.0			
	204	IZMI	42 SER	0817.1	0820.1	5.4	423.0			
	204	IZMI	42 SER	0842.8	0843.3	1.7	37.0			
	2950	GORK	1 S	0921.4	0923.2	1.8	3.0			
	204	IZMI	42 SER	0945.1	0947.2	3.2	272.0			
	204	IZMI	7 C	0950.1	0950.3	0.5	22.0			
	204	IZMI	7 C	1103.5	1103.6	0.1	14.0			
	204	IZMI	42 SER	1141.5	1141.8	2.6	49.0			
	410	SGMR	8 S	1213.0	1213.0	U	83.0		QL=4 ST=2 TYP=3	
	410	SVTO	8 S	1213.0	1213.0	U	140.0		QL=4 ST=2 TYP=3	
	1415	SGMR	8 S	1244.0	1245.0	1.0	70.0		QL=4 ST=2 TYP=3	
	1415	SVTO	8 S	1245.0	1245.0	U	70.0		QL=4 ST=2 TYP=3	
	9500	CUBA	2 S/F	1306.2	1308.6	4.6	27.0	13.0		
	245	SGMR	48 C	1347.0	1350.0	5.0	3000.0		QL=4 ST=2 TYP=8	
	410	SGMR	48 C	1347.0	1350.0	5.0	300.0		QL=4 ST=2 TYP=8	
	245	SVTO	48 C	1347.0	1350.0	4.0	2400.0		QL=4 ST=2 TYP=8	
	410	SVTO	48 C	1347.0	1350.0	4.0	610.0		QL=4 ST=2 TYP=8	
	33	UPIC	46 C	1347.5	1348.0	2.5				
	610	SGMR	8 S	1349.0	1349.0	1.0	520.0		QL=4 ST=2 TYP=3	
	610	SVTO	8 S	1349.0	1349.0	1.0	470.0		QL=4 ST=2 TYP=3	
245	SVTO	8 S	1403.0	1404.0	1.0	82.0		QL=4 ST=3 TYP=3		
245	SGMR	8 S	1404.0	1404.0	1.0	160.0		QL=4 ST=2 TYP=3		
245	SVTO	8 S	1513.0	1513.0	U	50.0		QL=4 ST=2 TYP=3		
2800	PENT	21 GRF	1554.0	1629.0	38.0U	11.0				
6700	CUBA	2 S/F	1606.5	1608.0	3.5	30.0	15.0	2R		
245	PALE	48 C	1805.0	1807.0	4.0	360.0		QL=4 ST=2 TYP=8		
410	PALE	48 C	1806.0	1806.0	3.0	140.0		QL=4 ST=2 TYP=8		
2800	PENT	21 GRF	1822.0	1902.0	70.0U	6.0				
2800	PENT	20 GRF	2135.0	2151.0	40.0	4.0				
2800	PENT	29 PBI	2333.0	2336.0	20.0	6.0				
19	245	LEAR	43 NS	0237.0	0317.0	97.0	180.0		QL=4 ST=2 TYP=1	
	204	IZMI	44 NS	0600.0E		300.0D		10.0		
	245	SGMR	43 NS	1828.0	1841.0	13.0	100.0		QL=4 ST=2 TYP=1	
	245	LEAR	8 S	0013.0	0015.0	2.0	93.0		QL=4 ST=2 TYP=3	
	410	LEAR	4 S/F	0013.0	0015.0	8.0	37.0		QL=4 ST=2 TYP=3	
	245	PALE	8 S	0014.0	0014.0	U	130.0		QL=4 ST=2 TYP=3	
	410	PALE	8 S	0015.0	0015.0	U	63.0		QL=4 ST=2 TYP=3	
	2840	PEKG	47 GB	0047.0	0125.8	72.0	1288.4			
	4995	PALE	48 C	0049.0	0059.0	77.0	590.0		QL=4 ST=2 TYP=8	
	8800	LEAR	48 C	0049.0	0100.0	108.0	990.0		QL=4 ST=2 TYP=8	
	8800	PALE	48 C	0049.0	0059.0	1391.0	860.0		QL=4 ST=1 TYP=8	
	8800	PALE	48 C	0049.0	0100.0	1391.0	890.0		QL=4 ST=1 TYP=8	
	2800	HIRA	47 GB	0050.0	0126.0	62.0	1520.0		SL	
	2695	LEAR	48 C	0050.0	0125.0	107.0	1400.0		QL=4 ST=2 TYP=8	
	4995	LEAR	48 C	0050.0	0100.0	109.0	590.0		QL=4 ST=2 TYP=8	
	2695	PALE	48 C	0050.0	0106.0	1390.0	630.0		QL=4 ST=1 TYP=8	
	2695	PALE	48 C	0050.0	0125.0	1390.0	1400.0		QL=4 ST=1 TYP=8	
	2695	PALE	4 S/F	0050.0	0050.0	1390.0	53.0		QL=4 ST=1 TYP=3	
	15400	LEAR	48 C	0053.0	0100.0	104.0	680.0		QL=4 ST=2 TYP=8	
	15400	PALE	48 C	0054.0	0059.0	31.0	480.0		QL=4 ST=2 TYP=8	
	15400	PALE	48 C	0054.0	0059.0	32.0	480.0		QL=4 ST=2 TYP=8	
	500	HIRA	47 GB	0054.0	0125.0	64.0	5210.0		WL	
	1415	PALE	48 C	0054.0	0124.0	67.0	8300.0		QL=4 ST=2 TYP=8	
1415	LEAR	48 C	0054.0	0124.0	103.0	7900.0		QL=4 ST=2 TYP=8		
610	PALE	48 C	0055.0	0124.0	71.0	32000.0		QL=4 ST=2 TYP=8		

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak	Mean		
							(10 -22 W/m 2 Hz)			
19	410	PALE	48 C	0056.0	0140.0	70.0	33000.0			QL=4 ST=2 TYP=8
	610	LEAR	48 C	0056.0	0124.0	101.0	32000.0			QL=4 ST=2 TYP=8
	410	LEAR	48 C	0057.0	0141.0	100.0	26000.0			QL=4 ST=2 TYP=8
	245	LEAR	48 C	0058.0	0141.0	99.0	9300.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	0059.0	0140.0	67.0	10000.0			QL=4 ST=2 TYP=8
	8800	PALE	46 C	0146.0	0146.0	1.0	27.0			QL=4 ST=2 TYP=8
	2695	PALE	8 S	0205.0	0205.0	1.0	21.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0227.0	0227.0	1.0	350.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	0252.0	0257.4	12.0	51.5			
	2695	LEAR	8 S	0256.0	0257.0	2.0	21.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0256.0	0257.0	2.0	58.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0256.0	0257.0	2.0	20.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0256.0	0257.0	3.0	40.0			QL=4 ST=2 TYP=3
	900	GORK	41 F	0511.3	0524.2		30.0			
	900	GORK	41 F	0511.3	0511.5	13.1	73.0			
	600	GORK	4 S/F	0519.6	0521.4	5.2	30.0			
	15400	LEAR	8 S	0529.0	0529.0	2.0	75.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0529.0	0530.0	6.0	35.0			QL=4 ST=2 TYP=3
	9100	GORK	45 C	0529.0	0530.2		24.0			
	9100	GORK	45 C	0529.0	0529.4	3.0	24.0			
	9100	GORK	29 PBI	0532.0	0532.0	9.1	13.0			
	600	GORK	1 S	0538.2	0538.5	0.6	6.6			
	600	GORK	2 S/F	0540.7	0542.0	2.1	6.6			
	900	GORK	41 F	0548.2	0555.0		170.0U			
	900	GORK	41 F	0548.2	0553.9	7.0	40.0			
	9100	GORK	7 C	0550.0	0550.6	3.8	3.7			
	9100	GORK	7 C	0550.0	0551.8		7.4			
	2950	GORK	41 F	0618.9	0619.1	2.6	7.4			
	2950	GORK	41 F	0618.9	0621.1		6.3			
	2840	PEKG	3 S	0635.0	0640.2	11.0	18.6			
	600	GORK	46 C	0636.5	0637.1	9.8	36.0			
	600	GORK	46 C	0636.5	0639.6		32.0			
	900	GORK	2 S/F	0636.6	0637.0	1.1	9.5			
	2950	GORK	46 C	0636.7	0637.0	9.1	3.2			
	2950	GORK	46 C	0636.7	0640.2		10.0			
	900	GORK	46 C	0638.3	0642.6		170.0U			
	900	GORK	46 C	0638.3	0639.9	6.7	45.0			
	9100	GORK	21 GRF	0639.2	0701.7	54.5	26.0			
	2840	PEKG	20 GRF	0653.0	0656.1	13.0	8.8			
	2950	GORK	2 S/F	0654.5	0656.1	6.0	8.4			
	9100	GORK	4 S/F	0654.7	0657.1	4.3	33.0			
	2695	LEAR	8 S	0655.0	0656.0	1.0	25.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0655.0	0656.0	1.0	22.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0655.0	0656.0	2.0	31.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	0655.0	0657.0	8.0	35.0			QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0655.0	0657.0	9.0	65.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0655.0	0657.0	11.0	31.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0655.0	0657.0	11.0	51.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0655.0	0656.0	11.0	32.0			QL=4 ST=2 TYP=3
	900	GORK	41 F	0655.9	0703.4	22.9	13.0			
900	GORK	41 F	0655.9	0717.5		800.0				
204	IZMI	7 C	0706.2	0706.3	0.2	11.0				
204	IZMI	42 SER	0804.6	0805.5	1.0	33.0				
204	IZMI	42 SER	0807.9	0808.4	1.4	41.0				
600	GORK	40 F	0808.8	0810.3	2.9	12.0				
410	SVTO	8 S	0855.0	0856.0	2.0	33.0			QL=4 ST=2 TYP=3	
245	SVTO	4 S/F	0855.0	0900.0	6.0	190.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0855.2	0856.1	1.4	250.0				
245	LEAR	8 S	0856.0	0856.0		110.0			QL=4 ST=2 TYP=3	
204	IZMI	42 SER	0857.1	0857.5	0.6	29.0				
204	IZMI	42 SER	0859.2	0859.4	1.2	68.0				
2950	GORK	46 C	0937.7	0940.4	22.3	2350.0				
2950	GORK	46 C	0937.7	0941.8		1400.0				
9100	GORK	47 GB	0937.7	0940.8	20.0	850.0				
600	GORK	46 C	0937.9	0940.0	13.2	160.0				
3000	IZMI	46 C	0937.9	0940.4	21.6	465.0	85.0			
600	GORK	46 C	0937.9	0940.5		180.0				
900	GORK	46 C	0937.9	0939.6	17.1	140.0				
900	GORK	46 C	0937.9	0941.9		170.0				

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

31
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
19	2695	LEAR	48 C	0938.0	0939.0	18.0	440.0			QL=4 ST=2 TYP=8	
	8800	LEAR	48 C	0938.0	0941.0	10.0	870.0			QL=4 ST=2 TYP=8	
	4995	LEAR	49 GB	0938.0	0944.0	17.0	510.0			QL=4 ST=2 TYP=6	
	1415	LEAR	4 S/F	0938.0	0939.0	10.0	250.0			QL=4 ST=2 TYP=3	
	1415	SVTO	48 C	0938.0	0939.0	12.0	260.0			QL=4 ST=2 TYP=8	
	2695	SVTO	48 C	0938.0	0940.0	18.0	370.0			QL=4 ST=2 TYP=8	
	8800	SVTO	48 C	0938.0	0941.0	22.0	760.0			QL=4 ST=2 TYP=8	
	15400	SVTO	48 C	0938.0	0941.0	20.0	620.0			QL=4 ST=2 TYP=8	
	4995	SVTO	48 C	0938.0	0942.0	31.0	500.0			QL=4 ST=2 TYP=8	
	15400	LEAR	49 GB	0939.0	0941.0	8.0	720.0			QL=4 ST=2 TYP=6	
	245	LEAR	8 S	0939.0	0939.0	1.0	120.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0939.0	0939.0	1.0	100.0			QL=4 ST=2 TYP=3	
	204	IZMI	45 C	0939.8	0939.9	0.2	106.0				
	610	LEAR	4 S/F	0940.0	0940.0	5.0	85.0				QL=4 ST=2 TYP=3
	9100	GORK	30 PBI	0950.7	0950.7	87.5	40.0				
	900	GORK	30 PBI	0955.0	0955.0	10.7	16.0				
	2950	GORK	30 PBI	1000.0	1000.0	102.0	14.0				
	9100	GORK	22 GRF	1023.2	1037.5		13.0				
	9100	GORK	22 GRF	1023.2	1028.5	22.4	9.4				
	33	UPIC	46 C	1034.0	1035.0	3.0					
	2950	GORK	1 S	1034.0	1035.3	2.0	3.3				
	204	IZMI	46 C	1034.4	1034.8	1.4	182.0				
	900	GORK	1 S	1034.8	1035.3	1.4	2.7				
	600	GORK	1 S	1034.8	1035.7	2.3	4.4				
	2950	GORK	1 S	1039.5	1040.0	1.9	2.2				
	900	GORK	2 S/F	1040.5	1042.1	2.1	9.5				
	9100	GORK	2 S/F	1109.6	1110.2	2.9	11.0				
	9100	GORK	1 S	1119.3	1120.0	2.3	11.0				
	8800	SGMR	4 S/F	1221.0	1223.0	4.0	150.0				QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1221.0	1223.0	3.0	110.0				QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1222.0	1223.0	1.0	45.0				QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1222.0	1223.0	2.0	130.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1222.0	1223.0	1.0	32.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1222.0	1223.0	1.0	22.0				QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1222.0	1223.0	11.0	120.0				QL=4 ST=2 TYP=3
	33	UPIC	45 C	1305.0	1305.5	1.0					
	33	UPIC	46 C	1338.0	1338.5	2.5					UNCERTN
	6700	CUBA	2 S/F	1527.0	1532.5	11.0	9.0	4.0			8R
	2800	PENT	47 GB	1607.0D	1607.0U	1.0U	500.0U				
	6700	CUBA	47 GB	1614.0	1625.0	34.5	2108.0	1054.0			3L
	9500	CUBA	47 GB	1614.0	1626.0	35.0	2270.0	1135.0			
	15400	SGMR	48 C	1614.0	1624.0	51.0	4200.0				QL=2 ST=2 TYP=8
	9500	CUBA	47 GB	1614.0	1631.5		1930.0	965.0			
	8800	SGMR	48 C	1615.0	1625.0	50.0	3600.0				QL=4 ST=2 TYP=8
	4995	SGMR	48 C	1618.0	1625.0	47.0	1400.0				QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1622.0	1624.0	43.0	15000.0				QL=4 ST=2 TYP=8
	2695	SGMR	48 C	1622.0	1625.0	43.0	950.0				QL=4 ST=2 TYP=8
	610	SGMR	48 C	1623.0	1642.0	42.0	4100.0				QL=4 ST=2 TYP=8
	245	SGMR	48 C	1624.0	1624.0	41.0	13000.0				QL=4 ST=2 TYP=8
	410	SGMR	48 C	1624.0	1624.0	41.0	10000.0				QL=4 ST=2 TYP=8
6700	CUBA	47 GB	1631.0E	1631.0		970.0	485.0			13L	
2695	PALE	48 C	1638.0	1644.0	42.0	720.0				QL=4 ST=2 TYP=8	
410	PALE	48 C	1639.0	1702.0	27.0	2200.0				QL=4 ST=2 TYP=8	
4995	PALE	48 C	1639.0	1644.0	41.0	580.0				QL=4 ST=2 TYP=8	
15400	PALE	48 C	1645.0	1646.0	34.0	440.0				QL=4 ST=2 TYP=8	
8800	PALE	48 C	1646.0	1648.0	34.0	280.0				QL=4 ST=2 TYP=8	
245	SGMR	48 C	1710.0	1718.0	15.0	140.0				QL=4 ST=2 TYP=8	
8800	SGMR	48 C	1710.0	1710.0	13.0	56.0				QL=4 ST=2 TYP=8	
15400	SGMR	46 C	1710.0	1710.0	10.0	46.0				QL=2 ST=2 TYP=8	
610	PALE	48 C	1714.0	1714.0	5.0	350.0				QL=4 ST=2 TYP=8	
1415	PALE	46 C	1714.0	1715.0	1.0	47.0				QL=4 ST=2 TYP=8	
610	SGMR	48 C	1714.0	1714.0	6.0	400.0				QL=4 ST=2 TYP=8	
410	SGMR	46 C	1722.0	1722.0	U	36.0				QL=4 ST=2 TYP=8	
245	SGMR	4 S/F	1725.0	1727.0	3.0	100.0				QL=4 ST=2 TYP=3	
610	SGMR	4 S/F	1740.0	1740.0	5.0	180.0				QL=4 ST=2 TYP=3	
2840	PEKG	3 S	2312.0	2320.3	33.0	101.9					
2800	HIRA	3 S	2315.0	2320.0	11.0	100.0				0	
500	HIRA	4 S/F	2315.0	2320.0	12.0	40.0				0	
2695	LEAR	4 S/F	2315.0	2320.0	14.0	110.0				QL=4 ST=3 TYP=3	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
19	4995	LEAR	4 S/F	2315.0	2321.0	14.0	270.0			QL=4 ST=3 TYP=3
	410	LEAR	8 S	2317.0	2317.0	1.0	69.0			QL=4 ST=3 TYP=3
	410	PALE	8 S	2317.0	2317.0	U	140.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	2317.0	2320.0	8.0	270.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	2317.0	2320.0	10.0	300.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	2318.0	2320.0	6.0	74.0			QL=4 ST=3 TYP=3
	8800	LEAR	4 S/F	2318.0	2321.0	6.0	260.0			QL=4 ST=3 TYP=3
	15400	PALE	48 C	2318.0	2320.0	8.0	150.0			QL=4 ST=2 TYP=8
	1415	PALE	48 C	2319.0	2320.0	1.0	70.0			QL=4 ST=2 TYP=8
	610	LEAR	8 S	2320.0	2321.0	1.0	31.0			QL=4 ST=3 TYP=3
	15400	LEAR	4 S/F	2320.0	2321.0	3.0	97.0			QL=4 ST=3 TYP=3
	2695	PALE	8 S	2327.0	2327.0	U	170.0			QL=4 ST=2 TYP=3
	20	204	IZMI	44 NS	0600.0E		300.0D		15.0	
127		TORN	44 NS	0700.0E		290.0D		18.0		V=2
2800		HIRA	1 S	0014.0	0016.0	6.0	30.0			0
2840		PEKG	20 GRF	0111.0	0116.0	27.0	27.6			
245		SVTO	4 S/F	0614.0	0622.0	8.0	330.0			QL=4 ST=2 TYP=3
500		HIRA	8 S	0622.0	0622.0	1.0	20.0			0
245		LEAR	8 S	0622.0	0622.0	U	380.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0622.0	0622.0	U	330.0			QL=4 ST=3 TYP=3
410		SVTO	8 S	0622.0	0622.0	2.0	98.0			QL=4 ST=2 TYP=3
204		IZMI	41 F	0622.2	0622.2	0.1	324.0			
410		LEAR	8 S	0623.0	0623.0	1.0	55.0			QL=4 ST=2 TYP=3
2840		PEKG	3 S	0657.0	0702.2	14.0	26.3			
2950		GORK	1 S	0700.0	0700.2	4.6	10.0			
9100		GORK	1 S	0700.0	0701.5	4.6	14.0			
900		GORK	1 S	0700.2	0701.6	4.4	7.8			
3000		IZMI	20 GRF	0700.5	0702.2	4.4	18.0		8.0	
600		GORK	40 F	0700.6	0703.1	2.9	12.0			
1415		SVTO	8 S	0701.0	0702.0	1.0	73.0			QL=4 ST=2 TYP=3
245		LEAR	8 S	0752.0	0752.0	U	52.0			QL=4 ST=2 TYP=3
900		GORK	2 S/F	0847.2	0848.2	4.0	11.0			
900		GORK	3 S	1034.1	1034.3	0.5	16.0			
204		IZMI	41 F	1148.4	1149.2	1.1	83.0			
2695		SGMR	8 S	1216.0	1216.0	1.0	37.0			QL=4 ST=2 TYP=3
4995		SGMR	8 S	1216.0	1216.0	1.0	36.0			QL=4 ST=2 TYP=3
8800		SGMR	8 S	1216.0	1216.0	U	39.0			QL=4 ST=2 TYP=3
610		PALE	4 S/F	1400.0	2111.0	600.0	30.0			QL=4 ST=1 TYP=3
245		PALE	8 S	1903.0	1903.0	U	71.0			QL=4 ST=2 TYP=3
2800		PENT	41 F	2046.0	2109.0	53.0	13.0			
245		PALE	48 C	2109.0	2109.0	3.0	430.0			QL=4 ST=3 TYP=8
410		PALE	8 S	2110.0	2110.0	1.0	430.0			QL=4 ST=3 TYP=3
610		PALE	8 S	2110.0	2111.0	2.0	30.0			QL=4 ST=3 TYP=3
15400		PALE	48 C	2111.0	2111.0	1.0	56.0			QL=4 ST=3 TYP=8
2800		PENT	29 PBI	2141.0	2146.0	51.0U	61.0			
2695	PALE	8 S	2145.0	2145.0	U	41.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	2145.0	2146.0	1.0	70.0			QL=4 ST=2 TYP=3	
2800	HIRA	8 S	2146.0	2146.0	1.0	60.0			0	
500	HIRA	8 S	2146.0	2146.0	1.0	10.0			0	
500	HIRA	42 SER	2202.0	2206.0	9.0	55.0			0	
245	LEAR	8 S	2235.0	2236.0	1.0	200.0			QL=4 ST=2 TYP=3	
410	LEAR	8 S	2235.0	2236.0	1.0	62.0			QL=4 ST=2 TYP=3	
500	HIRA	8 S	2236.0	2236.0	1.0	15.0			0	
21	204	IZMI	44 NS	0600.0E		300.0D		15.0		
	4995	LEAR	4 S/F	0005.0	0007.0	5.0	25.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0005.0	0009.0	5.0	37.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0006.0	0009.0	4.0	43.0			QL=4 ST=2 TYP=3
	2800	HIRA	8 S	0009.0	0009.0	1.0	80.0			WL
	500	HIRA	8 S	0018.0	0019.0	1.0	20.0			0
	245	LEAR	8 S	0018.0	0019.0	1.0	170.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0251.0	0252.0	1.0	30.0			WR
	245	LEAR	8 S	0251.0	0251.0	U	79.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0251.0	0251.0	U	110.0			QL=4 ST=2 TYP=3
	500	HIRA	7 C	0321.0	0324.0	3.0	10.0			0
	2840	PEKG	5 S	0434.0	0436.5	6.0	66.5			
	2800	HIRA	3 S	0435.0	0436.0	3.0	60.0			0
500	HIRA	7 C	0435.0	0437.0	6.0	110.0			WL	

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

33
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
21	245	LEAR	49 GB	0435.0	0435.0	2.0	5100.0			QL=4 ST=2 TYP=6
	410	LEAR	4 S/F	0435.0	0436.0	3.0	330.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0436.0	0436.0	1.0	83.0			QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0436.0	0436.0	2.0	74.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0436.0	0436.0	1.0	68.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0436.0	0436.0	2.0	150.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0436.0	0436.0	1.0	110.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0437.0	0437.0	U	6.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0441.0	0442.0	1.0	170.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0456.0	0456.0	1.0	200.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	0509.0	0512.3	14.0	49.1			
	2800	HIRA	7 C	0511.0	0513.0	7.0	50.0			0
	245	LEAR	49 GB	0511.0	0511.0	2.0	650.0			QL=4 ST=2 TYP=6
	500	HIRA	4 S/F	0511.0	0513.0	20.0	15.0			0
	4995	LEAR	48 C	0512.0	0516.0	5.0	65.0			QL=4 ST=2 TYP=8
	1415	LEAR	8 S	0512.0	0512.0	1.0	33.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0512.0	0512.0	2.0	43.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0512.0	0516.0	6.0	83.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0524.0	0524.0	U	64.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0543.0	0545.4	6.0	28.6			
	2800	HIRA	1 S	0544.0	0545.0	3.0	20.0			0
	9100	GORK	1 S	0544.6	0545.4	1.8	11.0			
	4995	LEAR	8 S	0545.0	0545.0	U	62.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	0623.3	0624.6	1.5	109.0			
	410	LEAR	8 S	0715.0	0715.0	2.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0717.0	0717.0	U	37.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0717.0	0717.0	U	30.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0717.0	0717.0	1.0	98.0			QL=4 ST=2 TYP=3
	9100	GORK	2 S/F	0748.3	0748.5	0.5	20.0			
	2950	GORK	2 S/F	0754.1	0755.1	4.1	12.0			
	610	SVTO	8 S	0755.0	0755.0	1.0	130.0			QL=4 ST=3 TYP=3
	4995	SVTO	8 S	0755.0	0755.0	1.0	39.0			QL=4 ST=3 TYP=3
	8800	SVTO	8 S	0755.0	0755.0	1.0	30.0			QL=4 ST=3 TYP=3
	9100	GORK	46 C	0755.4	0757.0		20.0			
	9100	GORK	21 GRF	0755.4	0803.0	14.1	10.0			
	9100	GORK	46 C	0755.4	0755.9	2.2	22.0			
	3000	IZMI	7 C	0755.5	0756.1	13.8	17.0	5.0		
	600	GORK	46 C	0755.6	0756.3		15.0			
	600	GORK	46 C	0755.6	0755.8	1.4	200.0U			
	9100	GORK	1 S	0942.5	0943.0	1.6	7.4			
	204	IZMI	26 FAL	1004.0		54.0	50.0			
	245	SVTO	8 S	1051.0	1051.0	U	70.0			QL=4 ST=3 TYP=3
	3000	IZMI	20 GRF	1112.1	1113.2	3.1	16.0	7.0		
	610	SVTO	48 C	1114.0	1128.0	19.0	190.0			QL=4 ST=2 TYP=8
	3000	IZMI	45 C	1120.9	1123.7	9.7	125.0	33.0		
	8800	SVTO	4 S/F	1121.0	1123.0	16.0	260.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1122.0	1123.0	2.0	170.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1122.0	1123.0	2.0	70.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1122.0	1123.0	4.0	100.0			QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1122.0	1123.0	6.0	110.0			QL=4 ST=2 TYP=3
4995	SVTO	4 S/F	1122.0	1123.0	15.0	290.0			QL=4 ST=2 TYP=3	
4995	SGMR	4 S/F	1122.0	1123.0	758.0	200.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	1123.0	1123.0	1.0	47.0			QL=4 ST=2 TYP=3	
204	IZMI	7 C	1148.1	1148.2	0.3	26.0				
245	SGMR	8 S	1150.0	1150.0	1.0	440.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1150.0	1150.0	U	81.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	1150.0	1150.0	1.0	470.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1150.0	1150.0	1.0	100.0			QL=4 ST=2 TYP=3	
204	IZMI	45 C	1150.5	1150.9	0.7	432.0				
33	UPIC	46 C	1151.0	1152.0	3.0					
610	SGMR	4 S/F	1152.0	1153.0	3.0	120.0			QL=4 ST=2 TYP=3	
410	SVTO	4 S/F	1152.0	1155.0	3.0	61.0			QL=4 ST=2 TYP=3	
204	IZMI	45 C	1152.7	1153.0	0.4	187.0				
245	SVTO	8 S	1153.0	1155.0	2.0	110.0			QL=4 ST=2 TYP=3	
610	SVTO	8 S	1153.0	1153.0	U	130.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1154.0	1155.0	1.0	62.0			QL=4 ST=2 TYP=3	
204	IZMI	45 C	1154.9	1155.2	0.5	86.0				
245	SGMR	8 S	1155.0	1155.0	U	110.0			QL=4 ST=2 TYP=3	
4995	SGMR	8 S	1313.0	1314.0	1.0	77.0			QL=4 ST=2 TYP=3	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
21	8800	SGMR	8 S	1313.0	1313.0	1.0	140.0			QL=4 ST=2 TYP=3	
	15400	SGMR	8 S	1313.0	1313.0	1.0	55.0			QL=4 ST=2 TYP=3	
	4995	SVTO	8 S	1313.0	1314.0	1.0	100.0			QL=4 ST=2 TYP=3	
	8800	SVTO	8 S	1313.0	1314.0	2.0	150.0			QL=4 ST=2 TYP=3	
	15400	SVTO	8 S	1313.0	1314.0	1.0	60.0			QL=4 ST=2 TYP=3	
	9500	CUBA	1 S	1418.0	1418.3	1.0	16.0	8.0			
	9500	CUBA	1 S	1424.1	1424.6	1.5	25.0	12.0			
	6700	CUBA	1 S	1424.3	1424.5	2.7	18.0	9.0			13L
	2800	PENT	1 S	1828.0	1832.0	8.0	3.0				
2800	PENT	29 PBI	1900.0	1911.0	32.0U	6.0					
22	204	IZMI	44 NS	0600.0E		181.0D		20.0			
	2800	HIRA	1 S	0034.0	0036.0	4.0	15.0			0	
	500	HIRA	1 S	0034.0	0036.0	6.0	5.0			0	
	4995	LEAR	8 S	0034.0	0035.0	1.0	31.0			QL=4 ST=2 TYP=3	
	8800	LEAR	8 S	0034.0	0035.0	1.0	28.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0035.0	0035.0	1.0	58.0			QL=4 ST=2 TYP=3	
	1415	LEAR	8 S	0035.0	0035.0	U	33.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0224.0	0224.0	U	56.0			QL=4 ST=2 TYP=3	
	410	LEAR	8 S	0224.0	0224.0	U	110.0			QL=4 ST=2 TYP=3	
	245	PALE	48 C	0335.0	0335.0	U	89.0			QL=4 ST=2 TYP=8	
	2840	PEKG	5 S	0505.0	0507.1	7.0	48.7				
	2695	LEAR	8 S	0506.0	0507.0	1.0	26.0			QL=4 ST=2 TYP=3	
	4995	LEAR	8 S	0506.0	0507.0	1.0	46.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0557.0	0557.0	U	53.0			QL=4 ST=2 TYP=3	
	900	GORK	40 F	0728.0	0729.0	1.6	60.0				
	900	GORK	2 S/F	0755.5	0755.7	0.5	10.0				
	204	IZMI	42 SER	0755.7	0757.8	2.5	196.0				
	9100	GORK	7 C	0755.8	0757.3		10.0				
	9100	GORK	7 C	0755.8	0756.7	2.4	8.5				
	2950	GORK	1 S	0757.0	0757.5	0.9	3.2				
	9100	GORK	1 S	0805.5	0806.2	2.3	8.5				
	9100	GORK	1 S	0843.8	0844.1	0.5	10.0				
	900	GORK	1 S	0845.2	0845.7	1.0	4.0				
	33	UPIC	46 C	0856.0	0857.5	9.5					
	9100	GORK	23 GRF	0856.0	0902.6		6.8				
	9100	GORK	23 GRF	0856.0	0856.8	16.0	10.0				
	204	IZMI	41 F	0903.2	0903.6	0.9	73.0				
	204	IZMI	42 SER	0912.1	0912.7	0.8	28.0				
	600	GORK	4 S/F	0944.1	0945.4	2.7	8.5				
	9100	GORK	46 C	0954.0	0956.2		17.0				
	9100	GORK	46 C	0954.0	0954.8	10.3	17.0				
	2950	GORK	2 S/F	0955.9	0956.3	0.8	4.2				
	600	GORK	40 F	1024.1	1025.1	1.5	5.0				
	204	IZMI	42 SER	1119.0	1119.1	1.6	41.0				
	204	IZMI	42 SER	1126.0	1126.3	3.0	38.0				
	15400	SVTO	4 S/F	1139.0	1139.0	3.0	62.0				QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1155.6	1155.8	3.6	51.0				
	245	SGMR	8 S	1314.0	1314.0	1.0	150.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1314.0	1315.0	1.0	130.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1318.0	1318.0	U	53.0				QL=4 ST=2 TYP=3
	9500	CUBA	28 PRE	1421.0	1450.0	29.0	59.0	29.0			
6700	CUBA	28 PRE	1427.6	1450.0	22.4	90.0	45.0			5L	
8800	SGMR	4 S/F	1429.0	1431.0	10.0	44.0				QL=4 ST=3 TYP=3	
1415	SGMR	8 S	1430.0	1430.0	2.0	49.0				QL=4 ST=3 TYP=3	
245	SGMR	48 C	1444.0	1452.0	38.0	230.0				QL=4 ST=2 TYP=8	
15400	SVTO	48 C	1444.0	1500.0	35.0	130.0				QL=4 ST=2 TYP=8	
4995	SVTO	48 C	1444.0	1457.0	42.0	380.0				QL=4 ST=2 TYP=8	
8800	SVTO	48 C	1444.0	1457.0	42.0	330.0				QL=4 ST=2 TYP=8	
410	SVTO	48 C	1445.0	1452.0	28.0	150.0				QL=4 ST=2 TYP=8	
245	SVTO	4 S/F	1445.0	1447.0	29.0	150.0				QL=4 ST=2 TYP=3	
410	SGMR	48 C	1445.0	1452.0	37.0	140.0				QL=4 ST=2 TYP=8	
1415	SGMR	48 C	1445.0	1500.0	37.0	250.0				QL=4 ST=2 TYP=8	
2695	SGMR	48 C	1445.0	1457.0	37.0	380.0				QL=4 ST=2 TYP=8	
8800	SGMR	48 C	1445.0	1457.0	37.0	280.0				QL=4 ST=2 TYP=8	
2695	SVTO	48 C	1445.0	1457.0	35.0	370.0				QL=4 ST=2 TYP=8	
610	SVTO	48 C	1446.0	1451.0	25.0	73.0				QL=4 ST=2 TYP=8	
1415	SVTO	48 C	1446.0	1500.0	29.0	240.0				QL=4 ST=2 TYP=8	
610	SGMR	48 C	1446.0	1451.0	36.0	85.0				QL=4 ST=2 TYP=8	

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

35
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
22	4995	SGMR	48 C	1446.0	1457.0	36.0	290.0			QL=4 ST=2 TYP=8
	6700	CUBA	4 S/F	1450.0	1457.4	21.2	496.0	248.0		5L
	9500	CUBA	4 S/F	1450.0	1457.5	18.0	236.0	118.0		
	15400	SGMR	48 C	1454.0	1500.0	28.0	88.0			QL=4 ST=2 TYP=8
	33	UPIC	46 C	1458.0	1501.0	6.5				
	9500	CUBA	29 PBI	1508.0	1508.0	90.0	115.0	57.0		
	6700	CUBA	30 PBI	1511.2	1511.2	97.1	154.0	77.0		9L
	15400	SGMR	8 S	1611.0	1612.0	1.0	180.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1611.5	1612.2	2.7	34.0	17.0		10L
	245	SGMR	48 C	1624.0	1624.0	U	62.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	1627.0	1627.0	3.0	62.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	1728.0	1728.0	2.0	460.0			QL=4 ST=2 TYP=8
	410	PALE	46 C	1728.0	1728.0	U	46.0			QL=4 ST=2 TYP=8
	410	PALE	8 S	1728.0	1728.0	U	46.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1728.0	1728.0	1.0	330.0			QL=4 ST=2 TYP=8
	410	SGMR	8 S	1728.0	1728.0	U	42.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	1732.0	1751.0	120.0U	823.0			
	6700	CUBA	47 GB	1739.3	1751.0	19.5	2475.0	1237.0		3L
	9500	CUBA	47 GB	1740.2	1750.8	17.3	2559.0	1279.0		
	8800	SGMR	48 C	1743.0	1751.0	26.0	2300.0			QL=4 ST=2 TYP=8
	4995	SGMR	48 C	1746.0	1751.0	23.0	1700.0			QL=4 ST=2 TYP=8
	1415	PALE	48 C	1747.0	1751.0	14.0	510.0			QL=4 ST=2 TYP=8
	2695	PALE	48 C	1747.0	1750.0	13.0	740.0			QL=4 ST=2 TYP=8
	4995	PALE	48 C	1747.0	1750.0	15.0	1600.0			QL=4 ST=2 TYP=8
	8800	PALE	48 C	1747.0	1750.0	12.0	1800.0			QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1747.0	1751.0	21.0	580.0			QL=4 ST=2 TYP=8
	2695	SGMR	48 C	1747.0	1751.0	21.0	790.0			QL=4 ST=2 TYP=8
	15400	SGMR	49 GB	1747.0	1751.0	22.0	3700.0			QL=4 ST=2 TYP=6
	15400	PALE	49 GB	1748.0	1750.0	9.0	3300.0			QL=4 ST=2 TYP=6
	610	SGMR	49 GB	1751.0	1757.0	17.0	600.0			QL=4 ST=2 TYP=6
	610	PALE	48 C	1752.0	1757.0	8.0	530.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1753.0	1757.0	15.0	440.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	1754.0	1757.0	7.0	490.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	1755.0	1755.0	6.0	1300.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	1755.0	1755.0	13.0	1600.0			QL=4 ST=2 TYP=8
	9500	CUBA	29 PBI	1757.5	1757.5	107.5	140.0	70.0		
	6700	CUBA	29 PBI	1758.8	1758.8	141.2	63.0	31.0		16L
	245	PALE	48 C	1947.0	1951.0	6.0	710.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	1948.0	1951.0	4.0	410.0			QL=4 ST=2 TYP=8
	245	PALE	8 S	2001.0	2001.0	U	230.0			QL=4 ST=2 TYP=3
2800	PENT	1 S	2057.0	2101.0	8.0	6.0				
8800	PALE	8 S	2100.0	2101.0	2.0	230.0			QL=4 ST=2 TYP=3	
15400	PALE	8 S	2100.0	2101.0	1.0	200.0			QL=4 ST=2 TYP=3	
9500	CUBA	4 S/F	2100.0	2101.2	3.9	196.0	98.0			
6700	CUBA	4 S/F	2100.0	2101.5	3.0	160.0	8.0		13L	
4995	PALE	8 S	2101.0	2101.0	U	59.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2142.0	2142.0	U	100.0			QL=4 ST=2 TYP=3	
410	PALE	8 S	2142.0	2142.0	U	66.0			QL=4 ST=2 TYP=3	
245	PALE	49 GB	2152.0	2153.0	1.0	660.0			QL=4 ST=2 TYP=6	
23	500	HIRA	8 S	0012.0	0012.0	1.0	10.0			0
	2800	HIRA	4 S/F	0014.0	0016.0	6.0	205.0			SL
	4995	LEAR	4 S/F	0014.0	0016.0	9.0	270.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0014.0	0016.0	9.0	400.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0014.0	0016.0	9.0	350.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0014.0	0016.0	5.0	240.0			QL=4 ST=2 TYP=3
	15400	PALE	4 S/F	0014.0	0016.0	5.0	350.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0014.0	0016.0	11.0	420.0			QL=4 ST=2 TYP=3
	2695	LEAR	4 S/F	0015.0	0016.0	6.0	94.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0016.0	0016.0	1.0	110.0			QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0215.0	0218.0	6.0	110.0			WL
	4995	PALE	4 S/F	0215.0	0217.0	13.0	150.0			QL=4 ST=2 TYP=3
	4995	LEAR	4 S/F	0215.0	0217.0	26.0	160.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0215.0	0217.0	26.0	260.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0215.0	0216.0	26.0	310.0			QL=4 ST=2 TYP=3
	15400	PALE	48 C	0215.0	0216.0	20.0	210.0			QL=4 ST=2 TYP=8
8800	PALE	4 S/F	0215.0	0217.0	20.0	220.0			QL=4 ST=2 TYP=3	
2695	LEAR	8 S	0217.0	0217.0	2.0	66.0			QL=4 ST=2 TYP=3	
2695	PALE	48 C	0217.0	0217.0	U	74.0			QL=4 ST=2 TYP=8	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
23	9100	GORK	20	GRF	0505.0	0507.8	7.8	21.0			
	9100	GORK	2	S/F	0604.3	0605.8	2.4	21.0			
	204	IZMI	7	C	0611.4	0611.5	0.2	10.0			
	204	IZMI	41	F	0631.8	0631.9	0.3	11.0			
	2840	PEKG	5	S	0700.0	0702.9	6.0	10.1			
	2950	GORK	2	S/F	0702.0	0702.9	3.3	10.0			
	9100	GORK	20	GRF	0705.4	0708.0	34.4	19.0			
	204	IZMI	42	SER	0711.3	0711.5	0.3	16.0			
	15400	SGMR	8	S	1227.0	1228.0	2.0	450.0		QL=4 ST=2 TYP=3	
	8800	SVTO	8	S	1227.0	1228.0	2.0	89.0		QL=4 ST=3 TYP=3	
	15400	SVTO	8	S	1227.0	1228.0	2.0	470.0		QL=4 ST=2 TYP=3	
	8800	SGMR	8	S	1228.0	1228.0		42.0	U	QL=4 ST=2 TYP=3	
	6700	CUBA	20	GRF	1255.0	1256.0	18.0	12.0	6.0	25L	
	8800	SGMR	8	S	1414.0	1415.0	2.0	74.0		QL=4 ST=2 TYP=3	
	15400	SGMR	8	S	1414.0	1415.0	2.0	270.0		QL=4 ST=2 TYP=3	
	15400	SVTO	8	S	1414.0	1415.0	2.0	240.0		QL=4 ST=2 TYP=3	
	9500	CUBA	1	S	1414.5	1415.2	2.5	61.0	30.0		
	6700	CUBA	1	S	1414.8	1415.2	2.2	16.0	8.0	4L	
	8800	SVTO	8	S	1415.0	1415.0		37.0	U	QL=4 ST=3 TYP=3	
	9500	CUBA	2	S/F	1506.0	1510.8	10.0	23.0	11.0		
	9500	CUBA	2	S/F	1506.0	1510.8	10.0	23.0	11.0		
	8800	SGMR	8	S	1910.0	1910.0		62.0	U	QL=4 ST=2 TYP=3	
	15400	SGMR	8	S	1910.0	1910.0		99.0	U	QL=4 ST=2 TYP=3	
	9500	CUBA	1	S	1910.0	1910.6	2.0	66.0	33.0		
	9500	CUBA	2	S/F	1920.0	1922.2	5.5	17.0	8.0		
	2800	PENT	24	R	2044.0	2152.0	108.0U	12.0			
	6700	CUBA	1	S	2049.2	2052.0	5.8	12.0	6.0	14L	
	24	245	LEAR	43	NS	2243.0	2322.0	92.0	120.0		QL=4 ST=2 TYP=1
		500	HIRA	8	S	0241.0	0243.0	2.0	20.0		WL
		2804	VORO	3	S	0252.0	0253.4	3.6	6.8		
		245	LEAR	8	S	0254.0	0255.0	1.0	60.0		QL=4 ST=2 TYP=3
		15400	LEAR	8	S	0421.0	0422.0	1.0	130.0		QL=4 ST=2 TYP=3
		500	HIRA	4	S/F	0443.0	0443.0	3.0	35.0		WL
500		HIRA	1	S	0545.0	0546.0	5.0	10.0		0	
204		IZMI	7	C	0620.9	0620.9	0.4	14.0			
900		GORK	41	F	0752.1	0756.0		11.0			
900		GORK	41	F	0752.1	0752.5	4.3	11.0			
204		IZMI	42	SER	0803.2	0803.2	2.2	16.0			
600		GORK	4	S/F	0901.9	0902.2	0.5	8.0			
2950		GORK	1	S	0934.3	0934.8	1.3	5.4			
9100		GORK	1	S	0934.5	0934.8	0.9	5.0			
3000		IZMI	5	S	0934.5	0934.8	0.9	13.0	7.0		
204		IZMI	46	C	0939.5	0939.9	0.8	203.0			
9100		GORK	46	C	0945.8	0946.1	0.7	10.0			
9100		GORK	46	C	0945.8	0946.3		34.0			
900		GORK	40	F	1000.6	1001.4	1.5	23.0			
3000		IZMI	20	GRF	1050.1	1053.9	8.7	19.0	9.0		
8800		SVTO	8	S	1131.0	1131.0	1.0	54.0		QL=4 ST=2 TYP=3	
245		SVTO	8	S	1145.0	1146.0	1.0	160.0		QL=4 ST=2 TYP=3	
15400		SGMR	4	S/F	1707.0	1708.0	3.0	450.0		QL=4 ST=2 TYP=3	
6700		CUBA	21	GRF	1707.0	1846.0	168.0	17.0	8.0	10R	
6700		CUBA	1	S	1707.8	1708.5	4.0	81.0	40.0	15L	
9500		CUBA	3	S	1707.8	1708.5	4.2	131.0	65.0		
8800		SGMR	8	S	1708.0	1708.0	2.0	140.0		QL=4 ST=2 TYP=3	
2800		PENT	1	S	1750.0	1758.0	16.0	7.0			
2800		PENT	24	R	1812.0	1850.0	80.0U	16.0			
245		SGMR	8	S	1859.0	1859.0		95.0	U	QL=4 ST=2 TYP=3	
2800		PENT	24	R	2209.0	2224.0	23.0	12.0			
245		LEAR	8	S	2223.0	2224.0	1.0	62.0			
15400		LEAR	8	S	2310.0	2311.0	2.0	270.0		QL=4 ST=2 TYP=3	
15400	PALE	8	S	2310.0	2311.0	1.0	280.0		QL=4 ST=2 TYP=3		
8800	LEAR	8	S	2311.0	2311.0		80.0	U	QL=4 ST=2 TYP=3		
245	PALE	48	C	2320.0	2322.0	2.0	100.0		QL=4 ST=2 TYP=8		
8800	PALE	8	S	2320.0	2320.0		54.0	U	QL=4 ST=2 TYP=3		
245	PALE	48	C	2325.0	2325.0		57.0	U	QL=4 ST=2 TYP=8		
25	204	IZMI	43	NS	0600.0		300.0D	10.0			
	235	CUBA	44	NS	1325.0E		395.0D	5.0			

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

37
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
25	280	CUBA	44 NS	1325.0E		395.0D		7.0		
	8800	LEAR	4 S/F	0000.0	0001.0	3.0	190.0			QL=4 ST=2 TYP=3
	15400	PALE	49 GB	0000.0	0001.0	5.0	580.0			QL=4 ST=2 TYP=6
	4995	PALE	8 S	0001.0	0001.0	1.0	26.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0001.0	0001.0	1.0	190.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0355.0	0355.0	U	53.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0400.0	0400.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0404.0	0404.0	U	130.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0430.0	0431.0	1.0	50.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	0430.0	0430.0	2.0	350.0			QL=4 ST=2 TYP=3
	900	GORK	4 S/F	0509.0U	0513.5	6.8D	15.0			
	15400	LEAR	49 GB	0517.0	0518.0	3.0	900.0			QL=4 ST=2 TYP=6
	9100	GORK	3 S	0517.8	0518.6	6.7	120.0			
	8800	LEAR	8 S	0518.0	0518.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0600.0	0600.0	U	60.0			QL=4 ST=2 TYP=3
	9100	GORK	1 S	0601.1	0601.7	5.4	10.0			
	8800	LEAR	4 S/F	0626.0	0627.0	3.0	370.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0626.0	0627.0	3.0	420.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0627.0	0627.0	1.0	110.0			QL=4 ST=2 TYP=3
	900	GORK	41 F	0706.2	0706.4	12.8	26.0			
	900	GORK	41 F	0706.2	0716.8		26.0			
	204	IZMI	41 F	0714.8	0714.9	0.4	69.0			
	245	LEAR	8 S	0720.0	0721.0	1.0	63.0			QL=4 ST=2 TYP=3
	204	IZMI	41 F	0738.0	0738.1	0.3	33.0			
	9100	GORK	4 S/F	1017.0	1017.0	5.8	47.0			
	900	GORK	2 S/F	1020.7	1021.1	0.7	30.0			
	9100	GORK	20 GRF	1041.7	1042.6	8.4	10.0			
	3000	IZMI	20 GRF	1042.4	1042.6	0.8	8.0	3.0		
	33	UPIC	46 C	1046.0	1047.0	4.5				
	245	SVTO	8 S	1047.0	1047.0	1.0	98.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1145.0	1145.0	U	55.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1147.0	1148.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1247.0	1247.0	1.0	210.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1319.0	1319.0	U	50.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1351.0	1352.0	7.0	81.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1352.0	1352.0	1.0	75.0			QL=4 ST=2 TYP=3
	6700	CUBA	21 GRF	1433.6	1452.5	21.8	2058.0	1029.0		4L
	9500	CUBA	47 GB	1438.0	1452.0	26.0	897.0	448.0		
	4995	SVTO	49 GB	1440.0	1452.0	54.0	930.0			QL=4 ST=3 TYP=6
	15400	SGMR	49 GB	1440.0	1452.0	73.0	1200.0			QL=4 ST=2 TYP=6
	15400	SVTO	48 C	1442.0	1452.0	52.0	950.0			QL=4 ST=3 TYP=8
	8800	SVTO	49 GB	1442.0	1452.0	52.0	1500.0			QL=4 ST=3 TYP=6
	8800	SGMR	48 C	1442.0	1452.0	71.0	1400.0			QL=4 ST=2 TYP=8
	1415	SVTO	48 C	1443.0	1448.0	51.0	410.0			QL=4 ST=3 TYP=8
	2695	SVTO	48 C	1443.0	1451.0	51.0	500.0			QL=4 ST=3 TYP=8
	2695	SGMR	48 C	1443.0	1451.0	70.0	540.0			QL=4 ST=2 TYP=8
	4995	SGMR	49 GB	1443.0	1452.0	70.0	880.0			QL=4 ST=2 TYP=6
	1415	SGMR	48 C	1444.0	1448.0	69.0	440.0			QL=4 ST=2 TYP=8
	245	SGMR	46 C	1445.0	1445.0	U	46.0			QL=4 ST=2 TYP=8
	610	SVTO	49 GB	1450.0	1452.0	44.0	8200.0			QL=4 ST=3 TYP=6
	610	SGMR	48 C	1450.0	1453.0	63.0	8700.0			QL=4 ST=2 TYP=8
	410	SVTO	48 C	1452.0	1507.0	42.0	2200.0			QL=4 ST=3 TYP=8
	410	SGMR	48 C	1452.0	1508.0	61.0	2400.0			QL=4 ST=2 TYP=8
	235	CUBA	49 GB	1452.0	1524.6	183.0	2174.0	1087.0		
	280	CUBA	49 GB	1452.0	1524.6	183.0	2167.0	1083.0		
	235	CUBA	49 GB	1452.0	1503.8	183.0	2234.0	1117.0		
	245	SGMR	48 C	1454.0	1509.0	59.0	11000.0			QL=4 ST=2 TYP=8
	6700	CUBA	30 PBI	1455.4	1455.4	209.1	603.0	301.0		1L
	245	SVTO	48 C	1459.0	1509.0	35.0	8500.0			QL=4 ST=3 TYP=8
	9500	CUBA	29 PBI	1504.8	1504.8	99.2	166.0	83.0		
	9500	CUBA	2 S/F	1523.0	1524.0	6.3	22.0	11.0		
	6700	CUBA	2 S/F	1523.4	1524.6	7.6	35.0	17.0		36R
	245	SGMR	48 C	1615.0	1626.0	83.0	3400.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1617.0	1626.0	81.0	200.0			QL=4 ST=2 TYP=8
	610	SGMR	48 C	1620.0	1626.0	78.0	59.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	1649.0E	1703.0U	61.0D	1800.0			QL=4 ST=2 TYP=8
	610	PALE	46 C	1703.0	1704.0	2.0	46.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	1713.0	1716.0	5.0	110.0			QL=4 ST=2 TYP=8
	245	SGMR	4 S/F	1740.0	1742.0	6.0	120.0			QL=4 ST=2 TYP=3

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
25	245	PALE	8 S	1844.0	1844.0	U	58.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1844.0	1844.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1857.0	1857.0	4.0	1600.0			QL=4 ST=2 TYP=8
	410	SGMR	8 S	1900.0	1900.0	1.0	190.0			QL=4 ST=2 TYP=3
	2800	PENT	24 R	1915.0	1931.0	17.0U	15.0			
	245	SGMR	8 S	1921.0	1922.0	1.0	1000.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1959.0	2004.0	9.0	1000.0			QL=4 ST=2 TYP=8
	6700	CUBA	1 S	2000.8	2002.0	2.4	39.0	19.0		8L
	9500	CUBA	1 S	2001.0	2002.0	1.2	51.0	25.0		
	410	SGMR	8 S	2007.0	2007.0	U	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2025.0	2025.0	U	74.0			QL=4 ST=2 TYP=3
	2800	PENT	40 F	2110.0	2118.0	16.0	15.0			
	6700	CUBA	40 F	2111.0	2117.5	12.2	90.0	45.0		5L
	9500	CUBA	40 F	2111.3	2117.5	11.9	85.0	42.0		
	15400	PALE	48 C	2135.0	2135.0	1.0	94.0			QL=4 ST=2 TYP=8
	245	PALE	8 S	2138.0	2138.0	U	430.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	2223.0	2224.0	1.0	310.0			QL=4 ST=2 TYP=3
	500	HIRA	47 GB	2251.0	2255.0	11.0	1885.0			0
	245	LEAR	8 S	2258.0	2258.0	U	110.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	2338.0	2338.0	U	37.0			QL=4 ST=2 TYP=3
245	LEAR	49 GB	2351.0	2351.0	U	550.0			QL=4 ST=2 TYP=6	
26	245	SVTO	43 NS	0800.0	0814.0	23.0	130.0			QL=2 ST=2 TYP=1
	235	CUBA	44 NS	1500.0E		410.0D		9.0		
	280	CUBA	44 NS	1500.0E		410.0D		12.0		
	245	SGMR	43 NS	1655.0	1706.0	11.0	1000.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1742.0	1948.0	126.0	180.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0100.0	0100.0	1.0	390.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0114.0	0115.0	1.0	61.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0137.0	0138.0	1.0	150.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0137.0	0138.0	1.0	85.0			QL=4 ST=2 TYP=3
	410	PALE	48 C	0137.0	0138.0	2.0	140.0			QL=4 ST=2 TYP=8
	1415	LEAR	8 S	0138.0	0138.0	U	52.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0138.0	0138.0	U	61.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0139.0	0139.0	1.0	65.0			0
	245	LEAR	49 GB	0140.0	0140.0	U	750.0			QL=4 ST=2 TYP=6
	2804	VORO	1 S	0142.0	0142.8	1.4	5.9			
	245	LEAR	8 S	0148.0	0148.0	U	76.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	0416.0	0419.7	11.0	29.4			
	2804	VORO	2 S/F	0418.0	0419.6	2.0	27.4			
	1415	LEAR	8 S	0426.0	0426.0	1.0	60.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0427.0	0428.0	1.0	47.0			QL=4 ST=2 TYP=3
	500	HIRA	47 GB	0433.0	0436.0	5.0	1185.0			0
	410	LEAR	48 C	0433.0	0435.0	3.0	2500.0			QL=4 ST=2 TYP=8
	610	LEAR	49 GB	0435.0	0435.0	1.0	870.0			QL=4 ST=2 TYP=6
	410	LEAR	8 S	0544.0	0544.0	U	270.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0544.0	0544.0	U	460.0			QL=4 ST=2 TYP=3
	900	GORK	41 F	0544.2	0551.3		13.0			
	900	GORK	41 F	0544.2	0544.4	7.8	6.8			
	600	GORK	1 S	0544.3	0544.5	0.4	2.0			
	9100	GORK	1 S	0548.5	0549.5	1.6	7.0			
	15400	LEAR	8 S	0551.0	0551.0	2.0	84.0			QL=4 ST=2 TYP=3
	600	GORK	45 C	0559.0	0603.3		9.8			
	600	GORK	45 C	0559.0	0600.7	7.8	3.9			
	500	HIRA	8 S	0625.0	0626.0	1.0	20.0			0
	600	GORK	42 SER	0704.5	0724.2		4.7			
	600	GORK	42 SER	0704.5	0716.4	40.5	5.8			
	204	IZMI	42 SER	0704.9	0705.2	0.3	23.0			
	9100	GORK	22 GRF	0713.2	0720.5	21.9	14.0			
	9100	GORK	22 GRF	0713.2	0726.7		16.0			
	15400	LEAR	8 S	0719.0	0719.0	2.0	55.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0745.0	0745.0	1.0	51.0			QL=4 ST=2 TYP=3
245	LEAR	8 S	0756.0	0756.0	1.0	83.0			QL=4 ST=2 TYP=3	
245	SVTO	8 S	0756.0	0756.0	1.0	77.0			QL=4 ST=2 TYP=3	
245	LEAR	4 S/F	0800.0	0800.0	3.0	100.0			QL=4 ST=2 TYP=3	
9100	GORK	20 GRF	0807.0	0810.6	10.0	8.6				
900	GORK	42 SER	0836.6	0845.4		8.1				
900	GORK	42 SER	0836.6	0836.8	38.0	43.0				
204	IZMI	7 C	0836.8	0836.8	0.1	46.0				

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

39
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
26	9100	GORK	3 S	0845.3	0845.5	0.4	12.0			
	600	GORK	41 F	0901.0	0913.1		13.0			
	600	GORK	41 F	0901.0	0912.4	12.6	24.0			
	245	SVTO	8 S	0905.0	0905.0	1.0	110.0			QL=4 ST=3 TYP=3
	204	IZMI	42 SER	0912.3	0912.4	1.3	52.0			
	9100	GORK	3 S	0916.7	0917.3	1.3	20.0			
	9100	GORK	29 PBI	0918.0	0918.0	15.0	10.0			
	900	GORK	42 SER	0939.0	0946.0	48.00	340.0			
	900	GORK	42 SER	0939.0	0957.6		130.0			
	900	GORK	42 SER	0939.0	1012.6		300.0			
	9100	GORK	46 C	0944.5	0957.0	24.5	75.0			
	9100	GORK	46 C	0944.5	1001.2		150.0			
	610	LEAR	49 GB	0945.0	0945.0	1.0	520.0			QL=4 ST=2 TYP=6
	600	GORK	42 SER	0945.0	0946.2	45.00	250.0			
	600	GORK	42 SER	0945.0	0956.8		34.0			
	33	UPIC	42 SER	0948.0	0957.5	22.0				
	3000	IZMI	46 C	0949.7	1001.3	18.4	49.0	18.0		
	245	LEAR	49 GB	0954.0	0954.0	1.0	560.0			QL=4 ST=2 TYP=6
	204	IZMI	46 C	0954.5	0954.9	0.7	4356.0			
	204	IZMI	42 SER	0956.8	0957.0	0.7	47.0			
	204	IZMI	41 F	0959.5	0959.6	0.4	131.0			
	4995	LEAR	8 S	1000.0	1001.0	1.0	36.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	1000.0	1001.0	1.0	43.0			QL=4 ST=2 TYP=3
	15400	LEAR	8 S	1000.0	1001.0	2.0	170.0			QL=4 ST=2 TYP=3
	204	IZMI	42 SER	1008.8	1008.8	0.4	114.0			
	9100	GORK	29 PBI	1009.0	1009.0	21.00	36.0			
	204	IZMI	41 F	1027.5	1027.8	1.0	96.0			
	245	SGMR	4 S/F	1245.0	1247.0	3.0	86.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1248.0	1248.0	U	63.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1331.0	1331.0	U	180.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1331.0	1331.0	U	43.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1331.0	1331.0	U	570.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1343.0	1343.0	U	50.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1428.0	1430.0	7.0	9600.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1430.0	1433.0	8.0	1800.0			QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1430.0	1434.0	7.0	260.0			QL=4 ST=2 TYP=8
	2695	SGMR	8 S	1430.0	1430.0	1.0	41.0			QL=4 ST=1 TYP=3
	8800	SGMR	8 S	1430.0	1430.0	U	63.0			QL=4 ST=1 TYP=3
	15400	SGMR	8 S	1430.0	1430.0	U	83.0			QL=4 ST=1 TYP=3
	1415	SVTO	48 C	1430.0	1434.0	7.0	280.0			QL=4 ST=2 TYP=8
	610	SGMR	48 C	1430.0	1433.0	12.0	380.0			QL=4 ST=2 TYP=8
	6700	CUBA	2 S/F	1430.0	1430.6	2.0	47.0	23.0		15R
	9500	CUBA	2 S/F	1430.0	1430.6	2.0	80.0	40.0		
	15400	SGMR	48 C	1433.0	1434.0	2.0	420.0			QL=4 ST=2 TYP=8
	2695	SGMR	4 S/F	1433.0	1434.0	3.0	130.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1433.0	1434.0	2.0	230.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1433.0	1434.0	2.0	360.0			QL=4 ST=2 TYP=3
	8800	SGMR	48 C	1433.0	1434.0	12.0	250.0			QL=4 ST=2 TYP=8
	6700	CUBA	4 S/F	1433.0	1434.8	6.0	187.0	93.0		7R C.POL
	9500	CUBA	4 S/F	1433.0	1434.8	7.0	237.0	118.0		
	4995	SGMR	48 C	1434.0	1434.0	1.0	98.0			QL=4 ST=2 TYP=8
	2695	SVTO	8 S	1434.0	1434.0	2.0	100.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1434.0	1434.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1503.0	1503.0	U	60.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1503.0	1503.0	U	39.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1530.0	1530.0	U	61.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1531.0	1536.0	5.0	28.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1554.0	1554.0	U	350.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1557.0	1557.0	U	59.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1655.0	1655.0	U	1000.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	1800.0	1801.0	1.0	1500.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1805.0	1805.0	U	59.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1853.0	1853.0	U	100.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	1940.0	1948.0	9.0	5900.0			QL=4 ST=2 TYP=8
	245	SGMR	49 GB	1947.0	1948.0	2.0	4400.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	1948.0	1948.0	U	700.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1948.0	1948.0	1.0	350.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1948.0	1948.0	1.0	310.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2054.0	2054.0	U	180.0			QL=4 ST=2 TYP=3

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
26	245	PALE	8 S	2100.0	2100.0	U	1700.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2100.0	2100.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2100.0	2100.0	1.0	1000.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	2118.0	2118.0	2.0	76.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	2124.0	2224.0	62.0	1500.0			QL=2 ST=2 TYP=8
	2800	PENT	1 S	2145.0	2149.0	7.0	4.0			
	610	PALE	8 S	2148.0	2148.0	U	50.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	2149.0	2149.0	1.0	495.0			MR
	245	LEAR	49 GB	2224.0	2225.0	1.0	640.0			QL=2 ST=2 TYP=6
	410	PALE	8 S	2224.0	2224.0	U	87.0			QL=4 ST=2 TYP=3
27	245	LEAR	43 NS	0509.0	0513.0	290.0	120.0			QL=4 ST=2 TYP=1
	204	IZMI	43 NS	0600.0		90.0U		25.0		
	280	CUBA	44 NS	1300.0E		145.0D		6.0		
	235	CUBA	44 NS	1300.0E		405.0D		13.0		
	245	SGMR	43 NS	1308.0	1342.0	652.0	77.0			QL=4 ST=3 TYP=1
	245	SGMR	43 NS	1744.0	1919.0	181.0	380.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2210.0	2313.0	725.0	170.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0032.0	0034.0	2.0	160.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	0032.0	0034.0	3.0	180.0			QL=4 ST=2 TYP=8
	2840	PEKG	5 S	0032.0	0037.2	8.0	13.5			
	2804	VORO	8 S	0033.5	0033.7	0.5	7.3			
	410	PALE	8 S	0034.0	0035.0	1.0	110.0			QL=4 ST=2 TYP=3
	2804	VORO	46 C	0034.0	0037.2	6.0	14.6			
	410	LEAR	8 S	0035.0	0036.0	1.0	93.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	0036.0	0036.0	1.0	40.0			0
	245	LEAR	49 GB	0038.0	0038.0	1.0	2000.0			QL=4 ST=2 TYP=6
	410	LEAR	8 S	0038.0	0039.0	1.0	39.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	0038.0	0043.0	5.0	2900.0			QL=2 ST=2 TYP=8
	410	PALE	48 C	0038.0	0038.0	U	91.0			QL=4 ST=2 TYP=8
	410	LEAR	8 S	0336.0	0336.0	1.0	110.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	0336.0	0336.0	1.0	300.0			QL=2 ST=2 TYP=6
	410	PALE	8 S	0336.0	0336.0	U	94.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0337.0	0337.0	U	260.0			QL=4 ST=2 TYP=3
	2840	PEKG	5 S	0413.0	0415.2	5.0	79.7			
	2800	HIRA	8 S	0415.0	0415.0	1.0	70.0			0
	500	HIRA	1 S	0415.0	0415.0	1.0	10.0			0
	9100	GORK	21 GRF	0529.5	0533.9	15.7	8.5			
	9100	GORK	46 C	0530.0	0530.7	2.8	38.0			
	9100	GORK	46 C	0530.0	0531.7		22.0			
	900	GORK	46 C	0558.7	0559.3	1.4	170.0			
	900	GORK	46 C	0558.7	0559.4		90.0			
	900	GORK	41 F	0725.1	0725.3	1.6	52.0			
	900	GORK	41 F	0725.1	0726.5		14.0			
	9100	GORK	21 GRF	0733.0	0845.0	193.0	30.0			
	245	LEAR	49 GB	0750.0	0750.0	U	640.0			QL=4 ST=2 TYP=6
	204	IZMI	42 SER	0750.1	0751.4	2.5	14.0			
	2840	PEKG	5 S	0805.0	0807.6	5.0	14.0			
	3000	IZMI	22 GRF	0806.8	0820.5	36.8	18.0	8.0		
	3000	IZMI	42 SER	0807.1	0807.6	0.9	25.0			
	2840	PEKG	3 S	0811.0	0815.0	13.0	22.0			
9100	GORK	4 S/F	0812.5	0813.4	12.5	17.0				
3000	IZMI	42 SER	0814.6	0816.9	3.2	16.0				
900	GORK	1 S	0818.2	0820.3	5.8	18.0				
9100	GORK	3 S	0927.4	0930.0	2.6	50.0				
8800	LEAR	8 S	0929.0	0930.0	1.0	66.0			QL=4 ST=2 TYP=3	
15400	LEAR	8 S	0929.0	0929.0	1.0	63.0			QL=2 ST=2 TYP=3	
8800	SVTO	8 S	0929.0	0930.0	1.0	50.0			QL=4 ST=2 TYP=3	
15400	SVTO	8 S	0929.0	0930.0	1.0	85.0			QL=4 ST=2 TYP=3	
204	IZMI	41 F	0954.8	0955.1	0.4	40.0				
9100	GORK	1 S	1000.1	1000.5	1.0	8.5				
9100	GORK	3 S	1005.2	1005.8U	2.8	15.0U				
9100	GORK	46 C	1012.6	1018.1		17.0				
9100	GORK	46 C	1012.6	1015.3	7.9	15.0				
600	GORK	2 S/F	1016.5	1016.6	0.4	16.0				
600	GORK	46 C	1018.8	1021.1	8.2	19.0				
600	GORK	46 C	1018.8	1024.2		60.0				
900	GORK	41 F	1019.7	1023.5		11.0				
900	GORK	41 F	1019.7	1020.6	6.8	9.0				

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

41
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
27	204	IZMI	41 F	1019.8	1020.4	1.2	164.0			
	3000	IZMI	42 SER	1020.5	1023.9	4.3	13.0			
	204	IZMI	41 F	1023.4	1024.1	0.9	221.0			
	204	IZMI	46 C	1027.3	1027.6	0.9	627.0			
	204	IZMI	42 SER	1126.0	1128.8	3.6	13.0			
	204	IZMI	42 SER	1152.9	1153.4	0.7	14.0			
	410	SGMR	8 S	1335.0	1336.0	1.0	60.0			QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	1351.0	1353.0	3.0	480.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1352.0	1352.0	1.0	26.0			QL=4 ST=2 TYP=3
	245	SGMR	49 GB	1442.0	1443.0	2.0	2500.0			QL=4 ST=2 TYP=6
	410	SGMR	8 S	1443.0	1443.0	U	37.0			QL=4 ST=2 TYP=3
	6700	CUBA	21 GRF	1517.0	1539.0	101.0	20.0	10.0		10L
	9500	CUBA	22 GRF	1520.0	1526.0	25.0	16.0	8.0		
	610	SGMR	8 S	1522.0	1522.0	1.0	95.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1522.0	1523.0	2.0	35.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1522.6	1523.0	1.7	16.0	8.0		24L
	2695	SGMR	8 S	1523.0	1523.0	1.0	29.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1523.0	1523.0	1.0	38.0			QL=4 ST=2 TYP=3
	6700	CUBA	1 S	1605.0	1605.8	3.0	15.0	7.0		17L
	6700	CUBA	1 S	1632.5	1633.1	3.3	11.0	5.0		33L
	410	PALE	8 S	1710.0	1710.0	2.0	400.0			QL=2 ST=2 TYP=3
	410	SGMR	8 S	1710.0	1710.0	1.0	120.0			QL=4 ST=2 TYP=3
	2800	PENT	24 R	1838.0	1910.0	54.0U	11.0			
	410	PALE	8 S	1953.0	1953.0	U	130.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1953.0	1953.0	U	62.0			QL=4 ST=2 TYP=3
	245	PALE	49 GB	2040.0	2042.0	2.0	3300.0			QL=4 ST=2 TYP=6
	245	SGMR	49 GB	2040.0	2042.0	2.0	2500.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	2041.0	2042.0	1.0	370.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	2041.0	2042.0	1.0	95.0			QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2103.0	2229.0	89.0U	42.0			
	6700	CUBA	4 S/F	2145.8	2149.0	12.2	42.0	21.0		18L
	500	HIRA	8 S	2154.0	2155.0	1.0	245.0			WR
	245	PALE	48 C	2210.0	2210.0	U	98.0			QL=4 ST=2 TYP=8
	15400	PALE	48 C	2216.0	2229.0	22.0	51.0			QL=4 ST=2 TYP=8
	8800	LEAR	4 S/F	2227.0	2229.0	4.0	53.0			QL=2 ST=2 TYP=3
	2695	LEAR	8 S	2228.0	2229.0	1.0	51.0			QL=2 ST=2 TYP=3
	4995	LEAR	8 S	2229.0	2231.0	2.0	36.0			QL=2 ST=2 TYP=3
	15400	LEAR	8 S	2230.0	2231.0	1.0	31.0			QL=2 ST=2 TYP=3
	8800	PALE	46 C	2239.0	2239.0	1.0	25.0			QL=4 ST=2 TYP=8
	4995	PALE	46 C	2240.0	2240.0	U	21.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	2241.0	2242.0	1.0	63.0			QL=4 ST=2 TYP=8
	410	LEAR	8 S	2242.0	2244.0	2.0	55.0			QL=4 ST=2 TYP=3
410	PALE	8 S	2244.0	2244.0	U	85.0			QL=4 ST=2 TYP=3	
245	LEAR	8 S	2302.0	2303.0	1.0	380.0			QL=4 ST=2 TYP=3	
28	204	IZMI	43 NS	0700.0		300.0D		60.0		
	245	SGMR	43 NS	1133.0	1135.0	112.0	740.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1425.0	1455.0	30.0	59.0			QL=4 ST=2 TYP=1
	235	CUBA	44 NS	1500.0E		410.0D		10.0		
	245	SGMR	43 NS	1707.0	1751.0	73.0	140.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	2209.0	2302.0	126.0	110.0			QL=4 ST=2 TYP=1
	245	PALE	43 NS	2255.0	0215.0	249.0	500.0			QL=4 ST=2 TYP=1
	500	HIRA	7 C	0138.0	0143.0	7.0	25.0			WR
	2840	PEKG	45 C	0138.0	0140.9	8.0	12.8			
	2804	VORO	46 C	0138.6	0141.0	8.2	11.1			
	2804	VORO	46 C	0138.6	0143.6		7.8			
	2840	PEKG	5 S	0410.0	0412.9	7.0	24.8			
	2800	HIRA	8 S	0412.0	0413.0	1.0	40.0			0
	2804	VORO	40 F	0412.5	0412.8	1.2	25.9			
	8800	LEAR	4 S/F	0442.0	0444.0	20.0	56.0			QL=4 ST=2 TYP=3
	610	LEAR	49 GB	0554.0	0554.0	1.0	530.0			QL=4 ST=2 TYP=6
	500	HIRA	8 S	0555.0	0555.0	1.0	150.0			0
	2840	PEKG	20 GRF	0609.0	0615.9	11.0	6.6			
	9100	GORK	1 S	0642.6	0643.2	1.2	13.0			
	9100	GORK	7 C	0650.1	0651.2	3.9	20.0			
	9100	GORK	7 C	0650.1	0652.5		13.0			
9100	GORK	20 GRF	0654.4	0656.8	12.7	20.0				
600	GORK	21 GRF	0657.0	0706.4	21.0	12.0				
600	GORK	1 S	0701.8	0703.2	2.2	5.3				

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean (10 ⁻²² W/m ² Hz)	Int	Remarks
28	410	LEAR	8 S	0706.0	0706.0	U	51.0			QL=4 ST=2 TYP=3
	9100	GORK	2 S/F	0713.3	0714.3	2.9	14.3			
	600	GORK	1 S	0715.8	0716.0	1.1	2.6			
	204	IZMI	41 F	0757.7	0757.9	0.2	135.0			
	900	GORK	2 S/F	0804.2	0804.6	0.7	24.0			
	8800	SVTO	8 S	0820.0	0820.0	U	27.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	0820.0	0820.0	U	160.0			QL=4 ST=2 TYP=3
	9100	GORK	21 GRF	0839.8	0856.1	58.6	15.0			
	9100	GORK	7 C	0839.8	0842.3		8.6			
	9100	GORK	7 C	0839.8	0840.7	3.2	15.0			
	204	IZMI	42 SER	0857.5	0859.8	3.3	120.0			
	9100	GORK	2 S/F	0857.8	0858.3	1.3	8.5			
	245	LEAR	49 GB	0858.0	0858.0	U	1600.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	0901.0	0901.0	U	670.0			QL=4 ST=2 TYP=6
	204	IZMI	45 C	0902.3	0902.3	0.1	438.0			
	9100	GORK	1 S	0917.0	0917.8	1.4	8.6			
	9100	GORK	3 S	0919.5	0920.1	2.0	23.0			
	15400	LEAR	8 S	0920.0	0920.0	U	130.0			QL=2 ST=2 TYP=3
	8800	SVTO	8 S	0920.0	0920.0	U	27.0			QL=4 ST=3 TYP=3
	15400	SVTO	8 S	0920.0	0920.0	U	160.0			QL=4 ST=3 TYP=3
	9100	GORK	21 GRF	0948.0	0959.0	49.8	46.0			
	3000	IZMI	20 GRF	0957.6	0959.3	4.3	11.0	3.0		
	204	IZMI	7 C	0958.2	0958.2	0.2	93.0			
	9100	GORK	2 S/F	0959.7	1000.4	1.2	15.0			
	900	GORK	40 F	1001.0	1001.5	0.8	15.0			
	900	GORK	7 C	1003.0	1003.2	0.7	12.0			
	900	GORK	7 C	1003.0	1003.4		15.0			
	9100	GORK	2 S/F	1055.9	1057.6	2.1	9.9			
	9100	GORK	46 C	1059.0	1059.5	4.0	23.0			
	9100	GORK	46 C	1059.0	1101.9		88.0			
	204	IZMI	46 C	1059.6	1100.3	1.1	257.0			
	3000	IZMI	45 C	1059.7	1101.5	3.7	71.0	22.0		
	2695	SVTO	8 S	1100.0	1101.0	2.0	60.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1100.0	1101.0	2.0	220.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1100.0	1101.0	1.0	84.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1100.0	1101.0	1.0	50.0			QL=4 ST=2 TYP=3
	600	GORK	20 GRF	1106.3	1114.7	11.7D	10.0			
	9100	GORK	2 S/F	1106.3	1106.8	1.6	20.0			
	3000	IZMI	42 SER	1106.6	1106.8	12.3	13.0			
	900	GORK	24 R	1112.5	1117.6	5.5D	15.0			
	204	IZMI	45 C	1123.3	1123.3	0.1	196.0			
	204	IZMI	46 C	1135.1	1135.2	0.7	892.0			
	204	IZMI	41 F	1150.7	1150.8	0.5	92.0			
	204	IZMI	42 SER	1153.9	1154.3	0.8	139.0			
	245	SGMR	8 S	1240.0	1240.0	1.0	200.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1241.0	1241.0	U	240.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1241.0	1241.0	U	49.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1411.0	1411.0	U	120.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1411.0	1411.0	U	73.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1411.0	1411.0	U	110.0			QL=4 ST=2 TYP=3
	9500	CUBA	40 F	1543.0	1545.5	12.0	11.0	5.0		
	2800	PENT	1 S	1545.0	1548.0	6.0	7.0			
	6700	CUBA	2 S/F	1547.8	1548.2	2.4	12.0	6.0		8L
	245	SGMR	8 S	1601.0	1601.0	U	100.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1610.0	1610.0	U	76.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1622.0	1622.0	U	74.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1643.0	1643.0	U	55.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1705.0	1705.2	1.0	31.0	15.0		
	6700	CUBA	1 S	1705.0	1705.3	1.0	29.0	14.0		24L
	245	PALE	48 C	1717.0	1720.0	3.0	84.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	1751.0	1751.0	2.0	210.0			QL=4 ST=2 TYP=8
	6700	CUBA	1 S	1820.2	1823.1	4.8	11.0	5.0		9L
	245	SGMR	8 S	1906.0	1906.0	U	140.0			QL=4 ST=2 TYP=3
	500	HIRA	8 S	2311.0	2312.0	1.0	90.0			0
	245	LEAR	8 S	2311.0	2311.0	U	280.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2311.0	2311.0	1.0	460.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2311.0	2311.0	U	32.0			QL=4 ST=2 TYP=3
	2804	VORO	8 S	2312.2	2312.4	0.6	5.7			

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

43
Oct 01

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
29	245	LEAR	43 NS	0050.0	0052.0	565.0	320.0			QL=4 ST=2 TYP=1	
	204	IZMI	44 NS	0700.0E		300.0D		35.0			
	245	SGMR	43 NS	1225.0	1657.0	499.0	110.0			QL=4 ST=2 TYP=1	
	245	LEAR	43 NS	2208.0	0037.0	728.0	290.0			QL=4 ST=2 TYP=1	
	1415	LEAR	43 NS	2208.0	0037.0	728.0	290.0			QL=4 ST=2 TYP=1	
	2804	VORO	2 S/F	0034.4	0034.8	1.4	6.8				
	245	PALE	8 S	0035.0	0035.0	1.0	140.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0036.0	0036.0	1.0	130.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	0040.0	0041.0	2.0	310.0				QL=4 ST=2 TYP=3
	245	LEAR	8 S	0041.0	0041.0	1.0	340.0				QL=4 ST=2 TYP=3
	2800	HIRA	3 S	0155.0	0157.0	4.0	50.0				0
	4995	LEAR	8 S	0155.0	0156.0	2.0	35.0				QL=4 ST=2 TYP=3
	500	HIRA	7 C	0157.0	0201.0	7.0	15.0				0
	8800	LEAR	8 S	0157.0	0157.0			U	54.0		QL=4 ST=2 TYP=3
	2804	VORO	2 S/F	0205.0	0207.6	5.0	38.0				
	245	PALE	8 S	0239.0	0239.0	1.0	86.0				QL=4 ST=2 TYP=3
	245	LEAR	49 GB	0249.0	0249.0			U	510.0		QL=4 ST=2 TYP=6
	500	HIRA	1 S	0302.0	0305.0	4.0	5.0				0
	2804	VORO	3 S	0426.6	0427.4	3.1	6.1				
	204	IZMI	7 C	0751.1	0751.2	0.1	58.0				
	9100	GORK	2 S/F	0810.2	0810.9	1.8	18.0				
	3000	IZMI	7 C	0811.0	0811.7	0.8	11.0		3.0		
	204	IZMI	42 SER	0811.9	0813.4	1.9	185.0				
	245	LEAR	8 S	0812.0	0812.0	1.0	380.0				QL=4 ST=3 TYP=3
	9100	GORK	21 GRF	0910.7	0922.5	27.3	20.0				
	9100	GORK	1 S	0924.4	0924.8	0.9	6.7				
	900	GORK	1 S	0932.8	0934.0	3.7	4.0				
	9100	GORK	1 S	0933.0	0933.8	2.4	15.0				
	600	GORK	2 S/F	0933.4	0933.7	1.0	20.0				
	3000	IZMI	7 C	0933.4	0933.9	0.9	27.0		15.0		
	204	IZMI	41 F	1003.2	1003.3	0.5	168.0				
	204	IZMI	7 C	1010.4	1010.4	0.1	94.0				
	204	IZMI	42 SER	1012.2	1013.3	1.7	418.0				
	9100	GORK	7 C	1044.7	1045.5	2.8	12.0				
	9100	GORK	7 C	1044.7	1046.9		6.6				
	204	IZMI	41 F	1058.0	1058.2	0.4	156.0				
	3000	IZMI	5 S	1102.7	1102.9	0.5	12.0		6.0		
	1415	SVTO	8 S	1110.0	1112.0	2.0	79.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1110.0	1110.0	2.0	58.0				QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1110.0	1110.0	2.0	62.0				QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	1110.0	1111.0	3.0	78.0				QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1110.0	1111.0	4.0	260.0				QL=4 ST=2 TYP=3
	3000	IZMI	45 C	1110.4	1111.1	3.8	64.0		21.0		
	204	IZMI	42 SER	1111.1	1111.2	0.9	218.0				
	8800	SVTO	4 S/F	1125.0	1132.0	12.0	100.0				QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1126.0	1132.0	10.0	74.0				QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1131.0	1132.0	5.0	55.0				QL=4 ST=2 TYP=3
	3000	IZMI	7 C	1131.4	1132.4	3.3	30.0		11.0		
	2695	SVTO	8 S	1132.0	1132.0			U	26.0		QL=4 ST=2 TYP=3
	245	SGMR	8 S	1158.0	1158.0	1.0	91.0				QL=4 ST=2 TYP=3
245	SGMR	48 C	1516.0	1516.0	2.0	190.0				QL=4 ST=2 TYP=8	
410	SGMR	8 S	1516.0	1516.0	1.0	46.0				QL=4 ST=2 TYP=3	
610	SGMR	8 S	1516.0	1516.0			U	110.0		QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1516.0	1516.0	1.0	42.0				QL=4 ST=2 TYP=3	
15400	SGMR	8 S	1516.0	1516.0	1.0	48.0				QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	1615.0	1629.0	17.0U	105.0					
410	SGMR	48 C	1628.0	1629.0	7.0	100.0				QL=4 ST=2 TYP=8	
4995	SGMR	48 C	1628.0	1629.0	7.0	220.0				QL=4 ST=2 TYP=8	
6700	CUBA	4 S/F	1628.3	1629.8	6.9	121.0		60.0		10L	
9500	CUBA	4 S/F	1628.5	1629.8	6.5	88.0		44.0			
245	SGMR	48 C	1629.0	1629.0	6.0	550.0				QL=4 ST=2 TYP=8	
610	SGMR	46 C	1629.0	1632.0	6.0	42.0				QL=4 ST=2 TYP=8	
1415	SGMR	48 C	1629.0	1629.0	6.0	72.0				QL=4 ST=2 TYP=8	
2695	SGMR	48 C	1629.0	1629.0	6.0	110.0				QL=4 ST=2 TYP=8	
8800	SGMR	48 C	1629.0	1629.0	6.0	110.0				QL=4 ST=2 TYP=8	
15400	SGMR	46 C	1629.0	1629.0	6.0	32.0				QL=4 ST=2 TYP=8	
6700	CUBA	2 S/F	1812.6	1813.9	3.9	12.0		6.0		8L	
9500	CUBA	2 S/F	1812.8	1813.8	3.8	13.0		6.0			
610	PALE	8 S	1845.0	1846.0	1.0	1300.0				QL=4 ST=2 TYP=3	

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

OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m 2 Hz)	Mean			
29	410	PALE	49 GB	1846.0	1846.0	U	880.0			QL=4 ST=2 TYP=6	
	245	PALE	8 S	1846.0	1846.0	U	2800.0			QL=4 ST=2 TYP=3	
	245	SGMR	49 GB	1846.0	1846.0	U	2500.0			QL=4 ST=3 TYP=6	
	610	SGMR	49 GB	1846.0	1846.0	U	640.0			QL=4 ST=3 TYP=6	
	410	SGMR	8 S	1846.0	1846.0	U	190.0			QL=4 ST=2 TYP=3	
	410	SGMR	8 S	1847.0	1847.0	U	390.0			QL=4 ST=2 TYP=3	
	2800	PENT	24 R	1902.0	1910.0	30.0U	7.0				
	6700	CUBA	1 S	1908.6	1910.6	4.0	8.0	4.0			43L
	9500	CUBA	22 GRF	1913.0	1926.0	40.0	17.0	8.0			
	6700	CUBA	20 GRF	1933.0	1935.0	16.0	16.0	8.0			13L
	245	SGMR	8 S	2016.0	2016.0	U	390.0				QL=4 ST=2 TYP=3
	2800	PENT	29 PBI	2113.0	2130.0	79.0U	28.0				
	6700	CUBA	2 S/F	2128.2	2130.9	6.8	24.0	12.0			30L
	2840	PEKG	20 GRF	2350.0	2357.9	17.0	13.7				
	2804	VORO	20 GRF	2352.5	2358.2	40.0	15.0				
	2800	HIRA	1 S	2354.0	2358.0	8.0	15.0				0
	4995	LEAR	20 GRF	2354.0	2358.0	9.0	36.0				QL=4 ST=3 TYP=2
	8800	LEAR	20 GRF	2355.0	2358.0	8.0	32.0				QL=4 ST=3 TYP=2
	8800	PALE	46 C	2356.0	2357.0	4.0	27.0				QL=4 ST=2 TYP=8
	4995	PALE	46 C	2357.0	2357.0	1.0	41.0				QL=4 ST=2 TYP=8
410	PALE	8 S	2359.0	2359.0	U	22.0				QL=4 ST=2 TYP=3	
30	204	IZMI	44 NS	0700.0E		300.0D		65.0			
	127	TORN	44 NS	0800.0E		420.0D		50.0		V=2	
	245	SGMR	43 NS	1149.0	1225.0	327.0	470.0			QL=4 ST=2 TYP=1	
	245	PALE	43 NS	1650.0	2027.0	651.0	490.0			QL=4 ST=2 TYP=1	
	245	SGMR	43 NS	1740.0	1819.0	188.0	120.0			QL=4 ST=2 TYP=1	
	245	LEAR	43 NS	2259.0	0304.0	678.0	150.0			QL=4 ST=2 TYP=1	
	245	LEAR	8 S	0009.0	0009.0	1.0	280.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0014.0	0014.0	1.0	260.0			QL=4 ST=2 TYP=3	
	2804	VORO	20 GRF	0225.0	0305.0	63.0	15.0				
	9100	GORK	21 GRF	0623.7	0627.7	8.0	10.0				
	9100	GORK	1 S	0624.0	0624.5	1.4	12.0				
	204	IZMI	41 F	0723.7	0723.9	0.6	206.0				
	204	IZMI	41 F	0827.7	0827.8	0.7	345.0				
	9100	GORK	46 C	0832.3	0836.0		48.0				
	9100	GORK	46 C	0832.3	0834.7	42.7	75.0				
	15400	SVTO	4 S/F	0833.0	0834.0	3.0	100.0				QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0834.0	0835.0	2.0	37.0				QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0834.0	0834.0	3.0	120.0				QL=4 ST=2 TYP=3
	8800	SVTO	4 S/F	0834.0	0834.0	3.0	62.0				QL=4 ST=2 TYP=3
	9100	GORK	30 PBI	0839.0	0839.0	36.0	20.0				
	9100	GORK	1 S	0840.3	0840.6	1.0	6.8				
	9100	GORK	1 S	0848.0	0849.9	5.9	17.0				
	204	IZMI	41 F	0944.0	0944.2	0.6	120.0				
	9100	GORK	22 GRF	1012.0	1014.5		13.0				
	9100	GORK	22 GRF	1012.0	1012.6	7.8	10.0				
	8800	SVTO	8 S	1143.0	1143.0	2.0	84.0				QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1143.0	1143.0	1.0	62.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1218.0	1218.0	U	270.0				QL=4 ST=2 TYP=3
	410	SGMR	8 S	1218.0	1218.0	U	150.0				QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1218.0	1219.0	2.0	170.0				QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1218.0	1219.0	2.0	120.0				QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1218.0	1219.0	2.0	150.0				QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1218.0	1219.0	2.0	110.0				QL=4 ST=2 TYP=3
	15400	SVTO	4 S/F	1218.0	1218.0	4.0	33.0				QL=4 ST=2 TYP=3
	610	SGMR	8 S	1219.0	1220.0	1.0	52.0				QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1219.0	1219.0	1.0	70.0				QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1219.0	1219.0	1.0	200.0				QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1219.0	1220.0	1.0	83.0				QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1219.0	1219.0	1.0	180.0				QL=4 ST=2 TYP=3
	6700	CUBA	21 GRF	1443.0	1455.0	36.0	26.0	13.0			9L
9500	CUBA	21 GRF	1444.0	1451.0	15.0	15.0	7.0				
6700	CUBA	2 S/F	1448.8	1450.0	5.8	16.0	8.0			10L	
9500	CUBA	1 S	1456.4	1456.9	1.1	23.0	11.0				
6700	CUBA	1 S	1456.5	1456.9	0.9	7.0	3.0			11L	
6700	CUBA	21 GRF	1636.0	1655.0	42.0	23.0	11.0			15L	
6700	CUBA	1 S	1636.8	1637.5	2.0	7.0	3.0			10L	
9500	CUBA	20 GRF	1640.0	1655.0	58.0	21.0	10.0				

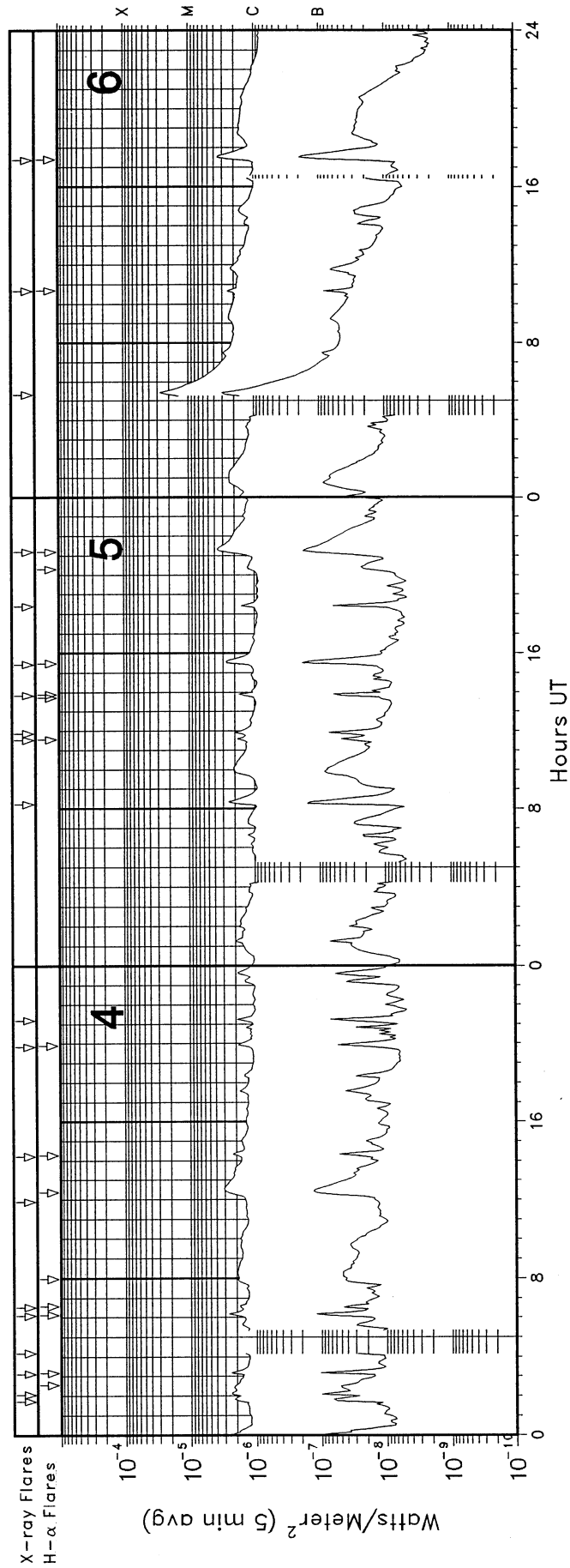
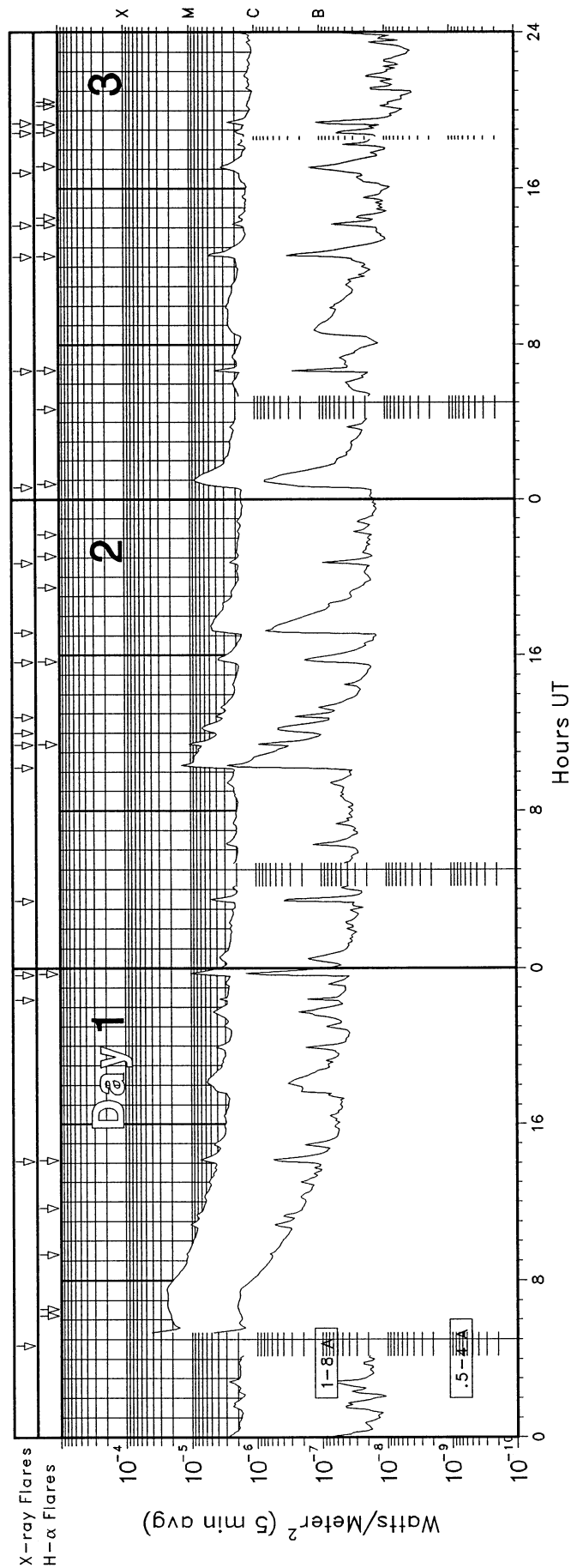
S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

45
Oct 01

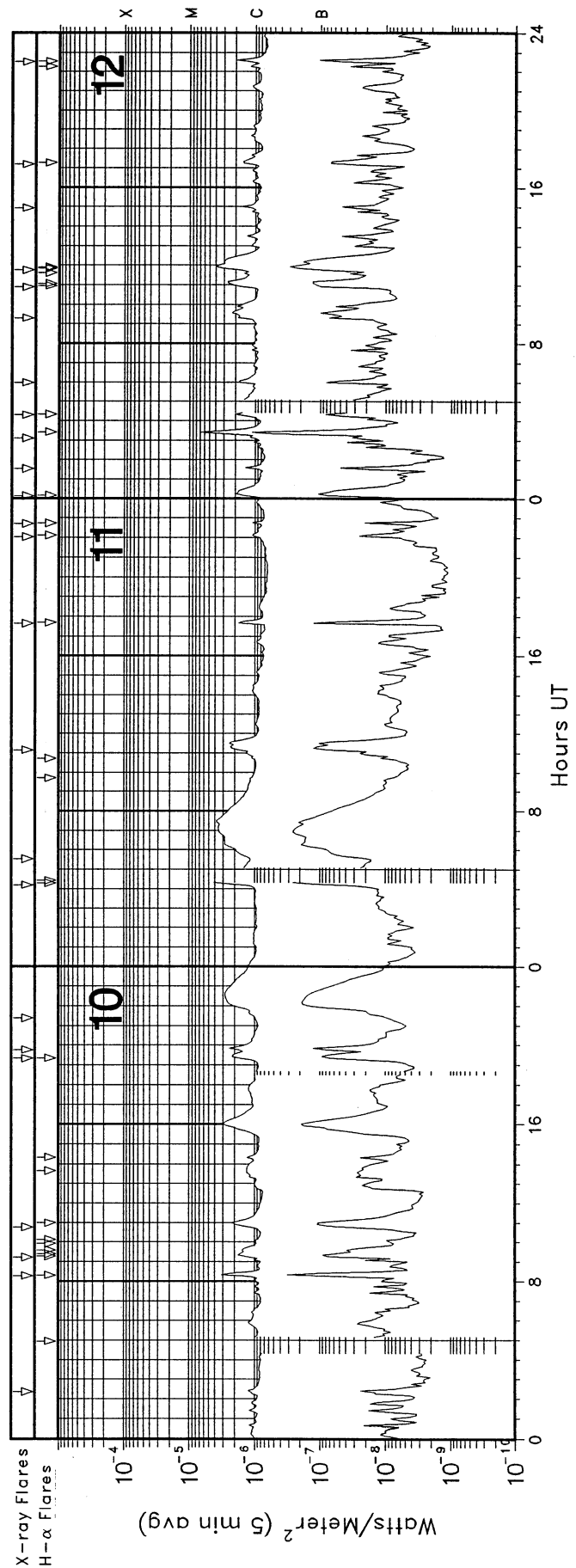
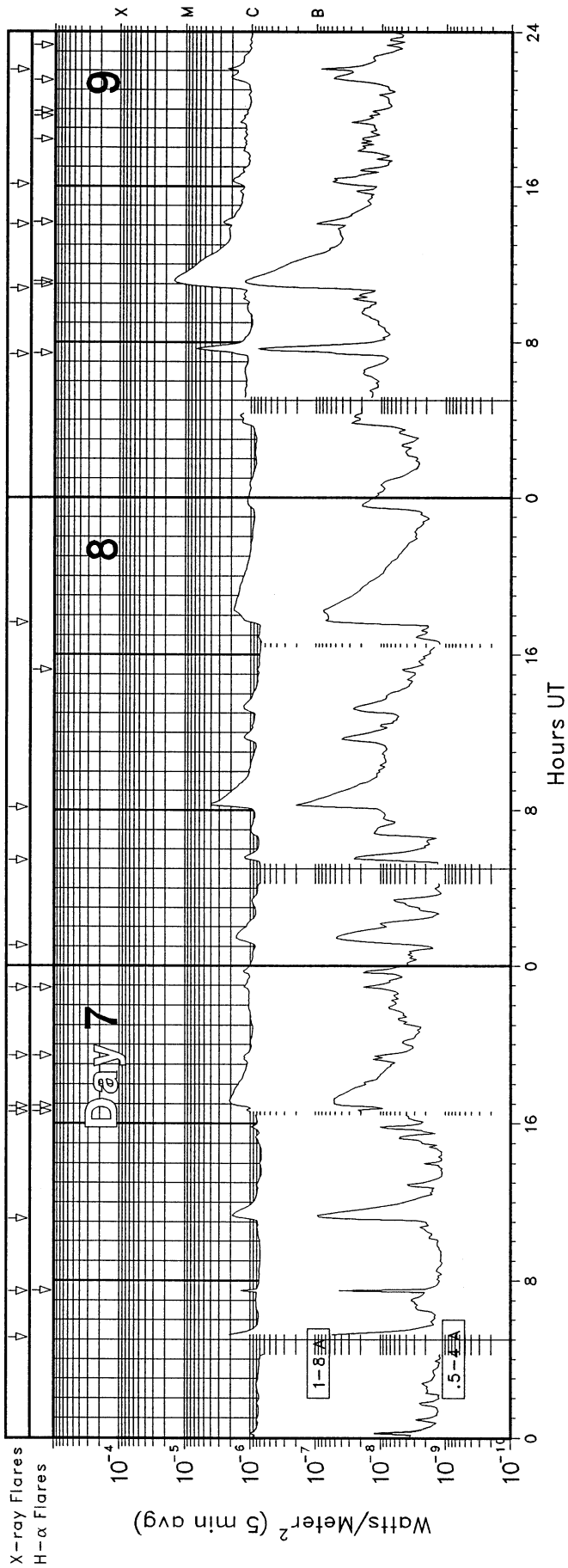
OCTOBER 2001

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
30	6700	CUBA	2 S/F	1647.5	1650.5	4.9	16.0	8.0		16L
	9500	CUBA	21 GRF	1853.0	1929.0	49.0	17.0	8.0		
	6700	CUBA	22 GRF	1854.0	1902.0	45.0	27.0	13.0		12L
	9500	CUBA	2 S/F	1900.8	1902.5	3.4	19.0	9.0		
	6700	CUBA	21 GRF	1957.0	2041.0	110.0	40.0	20.0		8L
	9500	CUBA	1 S	1958.2	1959.2	3.4	23.0	11.0		
	6700	CUBA	1 S	1958.5	1959.0	1.3	12.0	6.0		00L
	9500	CUBA	1 S	2006.3	2006.8	3.5	14.0	7.0		
	9500	CUBA	20 GRF	2021.0	2031.0	33.0	26.0	13.0		
	245	PALE	49 GB	2212.0	2213.0	2.0	5600.0			QL=4 ST=2 TYP=6
	245	LEAR	49 GB	2213.0	2213.0	1.0	2700.0			QL=4 ST=2 TYP=6
	410	PALE	8 S	2213.0	2213.0	1.0	130.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	2252.0	2252.0	U	99.0			QL=4 ST=2 TYP=3
	31	204	IZMI	44 NS	0700.0E		300.0D		100.0	
127		TORN	44 NS	0730.0E		270.0D		65.0		V=3
245		SGMR	43 NS	1141.0	1514.0	329.0	330.0			QL=4 ST=2 TYP=1
245		PALE	43 NS	1651.0	0129.0	649.0	310.0			QL=4 ST=2 TYP=1
245		SGMR	43 NS	1744.0	1836.0	192.0	280.0			QL=4 ST=2 TYP=1
245		LEAR	8 S	0129.0	0129.0	1.0	220.0			QL=4 ST=2 TYP=3
245		LEAR	49 GB	0201.0	0201.0	U	770.0			QL=4 ST=2 TYP=6
500		HIRA	8 S	0531.0	0532.0	1.0	15.0			0
245		LEAR	8 S	0531.0	0531.0	2.0	190.0			QL=4 ST=2 TYP=3
410		LEAR	8 S	0531.0	0531.0	2.0	320.0			QL=4 ST=2 TYP=3
610		LEAR	8 S	0531.0	0531.0	2.0	91.0			QL=4 ST=2 TYP=3
204		IZMI	41 F	0657.2	0657.2	0.1	104.0			
204		IZMI	41 F	0748.0	0748.3	0.4	137.0			
9100		GORK	41 F	0749.7	0752.2		5.1			
9100		GORK	41 F	0749.7	0749.9	3.0	3.4			
2840		PEKG	3 S	0756.0	0803.8	24.0	306.2			
9100		GORK	21 GRF	0757.9	0820.3	129.9	40.0			
4995		SVTO	48 C	0758.0	0803.0	962.0	490.0			QL=4 ST=1 TYP=8
8800		SVTO	48 C	0800.0	0803.0	960.0	870.0			QL=4 ST=1 TYP=8
4995		LEAR	4 S/F	0801.0	0803.0	15.0	460.0			QL=4 ST=2 TYP=3
2950		GORK	4 S/F	0801.4	0803.9U	23.6	300.0U			
9100		GORK	46 C	0801.5	0804.0U	11.5	990.0U			
9100		GORK	46 C	0801.5	0805.3		550.0			
8800		LEAR	49 GB	0802.0	0803.0	21.0	840.0			QL=4 ST=2 TYP=6
3000		IZMI	45 C	0802.6	0803.9	8.7	319.0	43.0		
2695		LEAR	4 S/F	0803.0	0803.0	4.0	140.0			QL=4 ST=2 TYP=3
15400		LEAR	4 S/F	0803.0	0803.0	3.0	420.0			QL=4 ST=2 TYP=3
2695		SVTO	4 S/F	0803.0	0803.0	4.0	140.0			QL=4 ST=2 TYP=3
8800		SVTO	49 GB	0803.0	0803.0	25.0	890.0			QL=4 ST=2 TYP=6
4995		SVTO	4 S/F	0803.0	0803.0	21.0	490.0			QL=4 ST=2 TYP=3
15400		SVTO	4 S/F	0803.0	0803.0	22.0	400.0			QL=4 ST=2 TYP=3
900		GORK	42 SER	0804.0	0812.2	130.4	16.0			
900		GORK	42 SER	0804.0	0948.3		13.0			
900		GORK	42 SER	0804.0	0919.6		18.0			
1415		LEAR	8 S	0805.0	0805.0	1.0	40.0			QL=4 ST=2 TYP=3
1415		SVTO	8 S	0805.0	0805.0	1.0	42.0			QL=4 ST=2 TYP=3
204	IZMI	42 SER	0817.9	0818.2	0.6	398.0				
204	IZMI	42 SER	0831.4	0832.2	3.5	284.0				
9100	GORK	41 F	0904.1	0904.5	1.7	14.0				
9100	GORK	41 F	0904.1	0905.5		14.0				
204	IZMI	42 SER	1009.6	1009.9	1.3	207.0				
2950	GORK	1 S	1023.6	1025.0	5.0	3.5				
9100	GORK	4 S/F	1043.7	1045.5	3.6	22.0				
204	IZMI	41 F	1055.4	1055.5	0.5	398.0				
204	IZMI	41 F	1059.8	1059.9	0.2	394.0				
410	SGMR	8 S	1256.0	1256.0	U	68.0			QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1929.0	1929.0	U	51.0			QL=4 ST=2 TYP=3	
2800	PENT	29 PBI	2055.0	2124.0	97.0U	19.0				
500	HIRA	8 S	2147.0	2147.0	1.0	20.0			0	

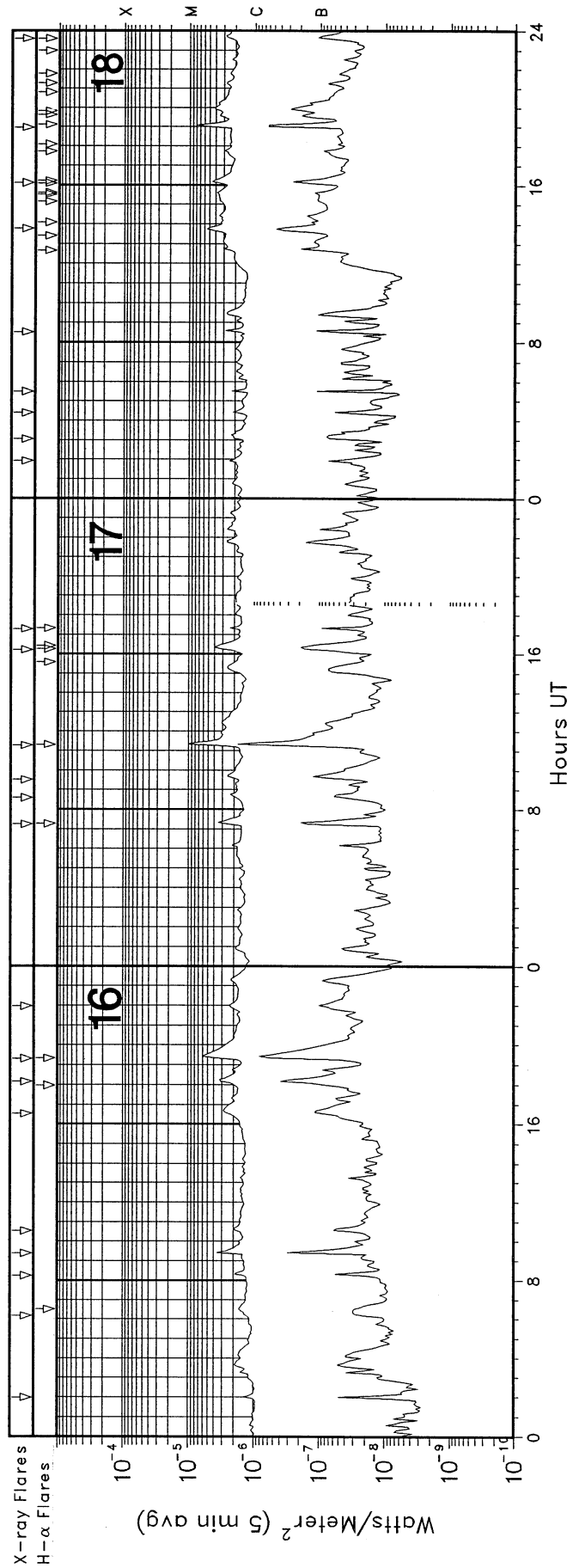
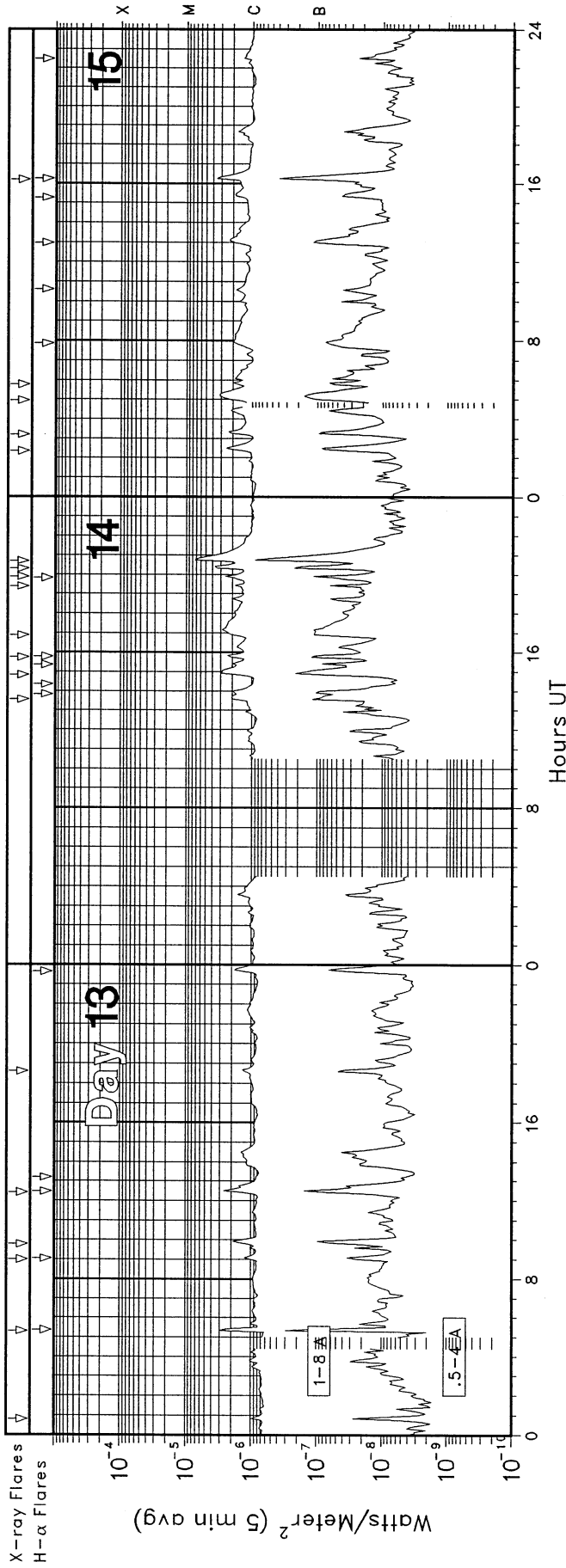
GOES X-RAY DETECTOR October 2001



GOES X-RAY DETECTOR October 2001

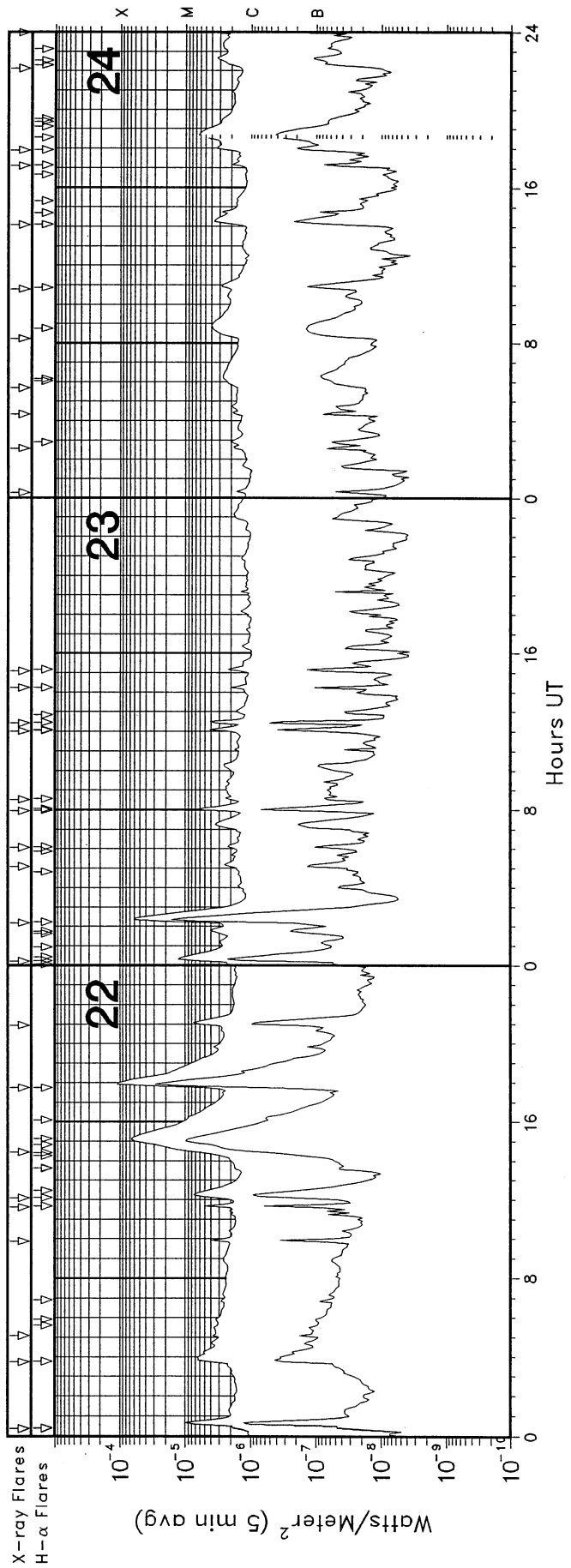
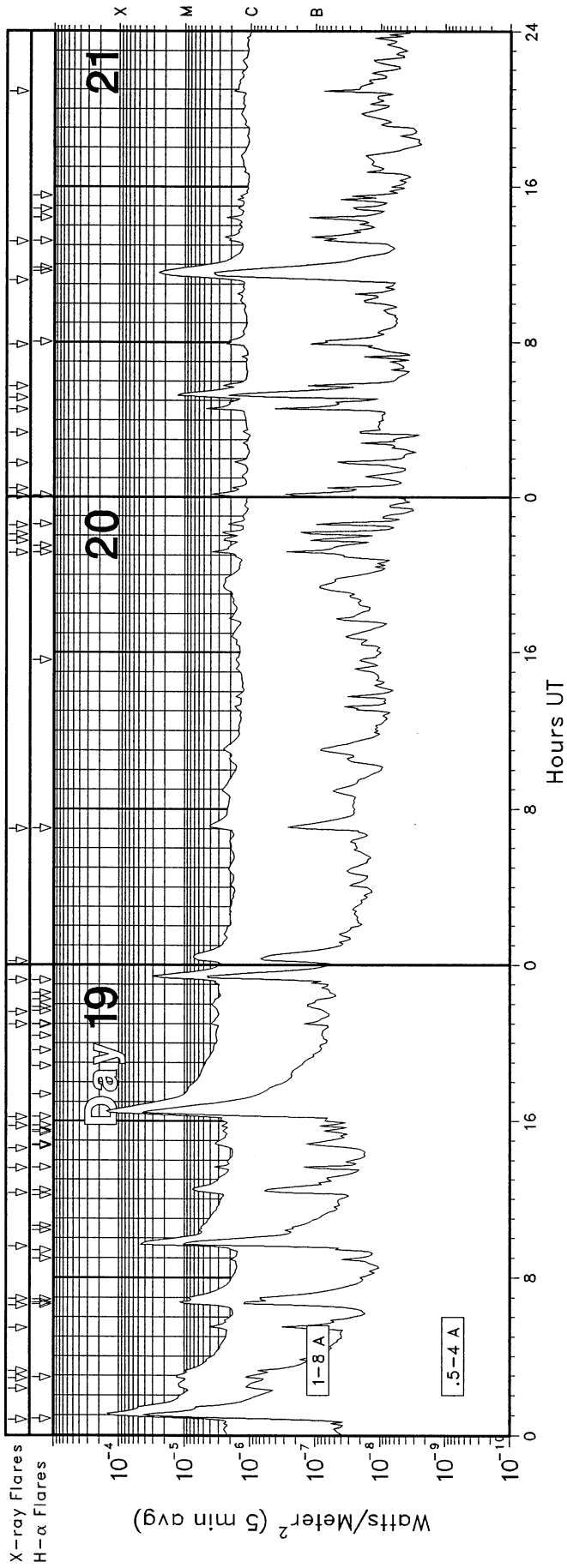


GOES X-RAY DETECTOR October 2001

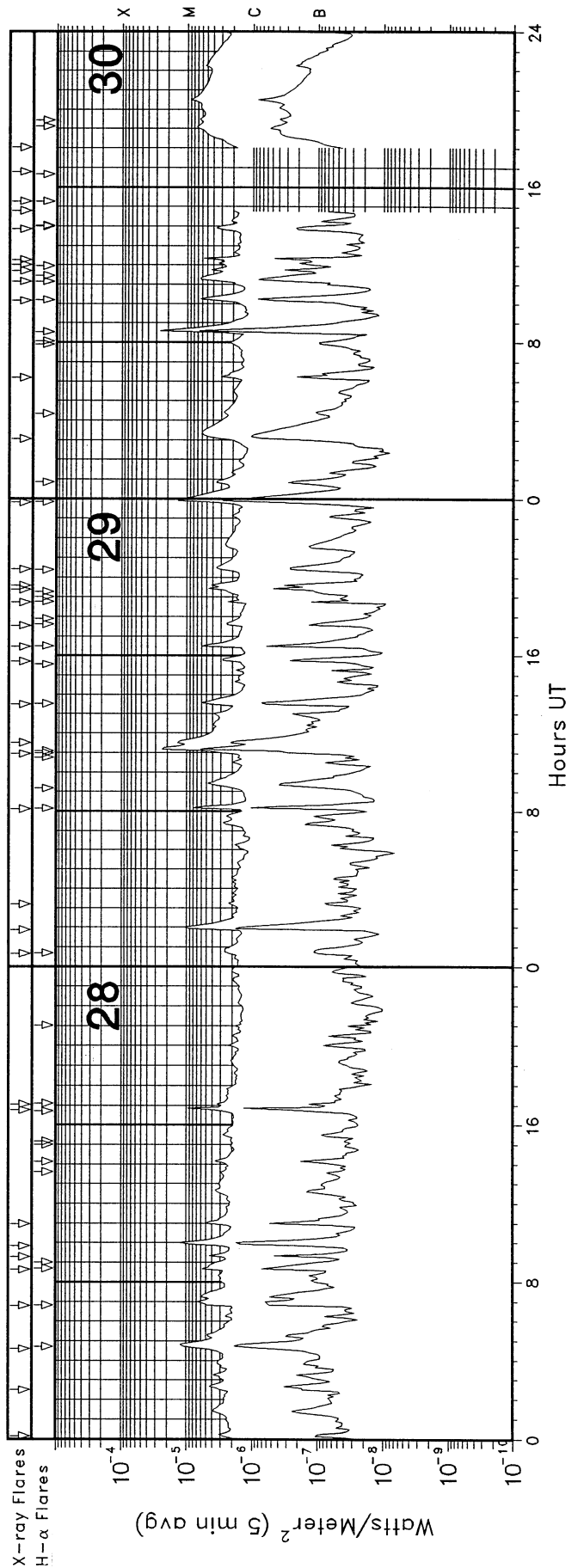
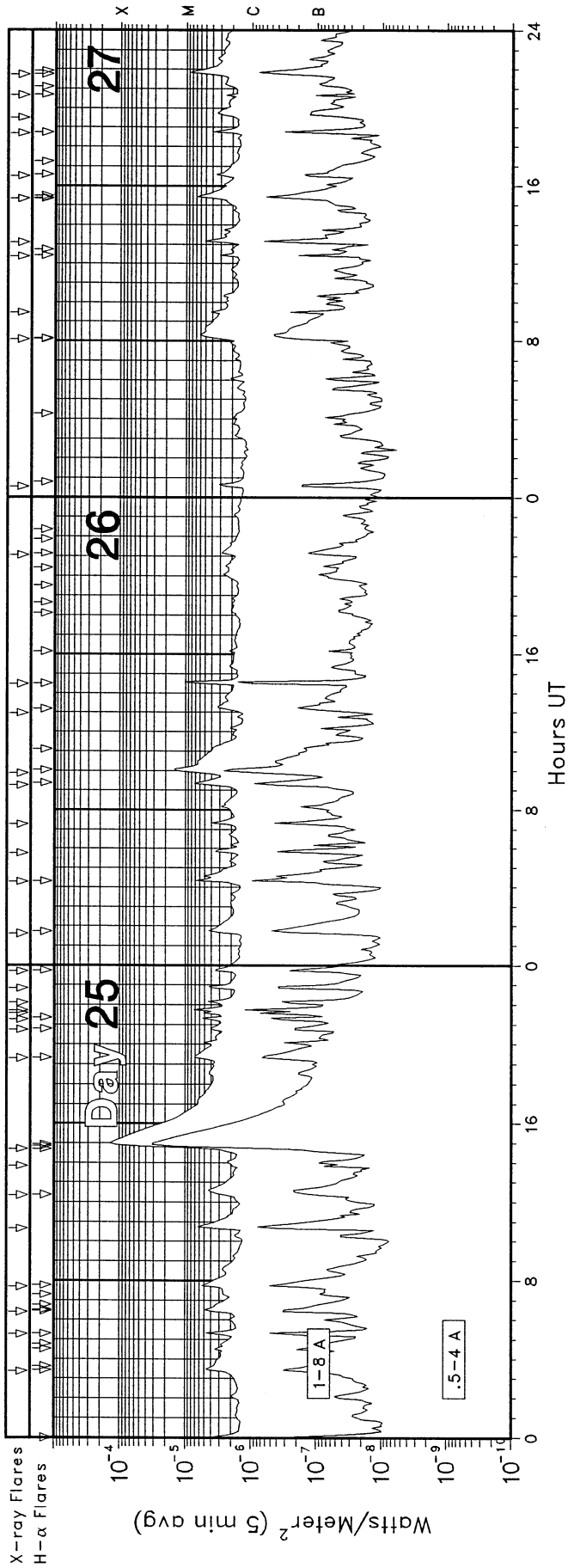


GOES X-RAY DETECTOR

October 2001

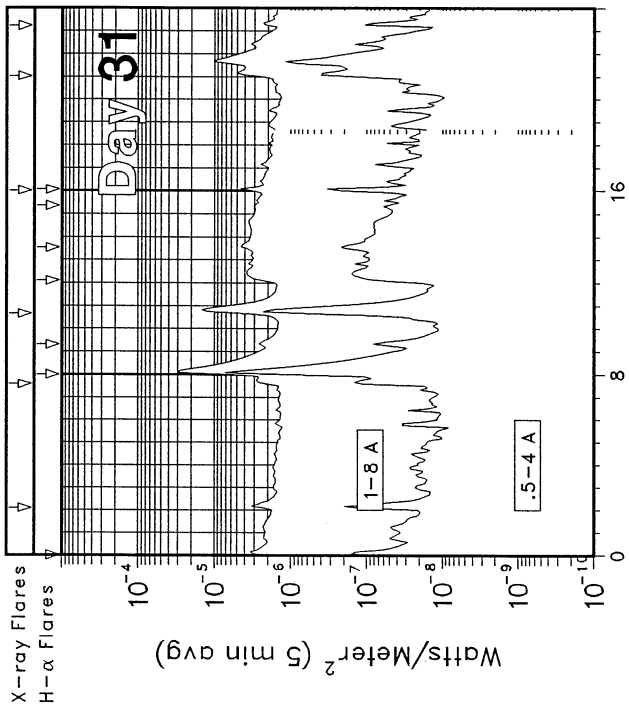


GOES X-RAY DETECTOR October 2001



GOES X-RAY DETECTOR

October 2001



54
Oct 01

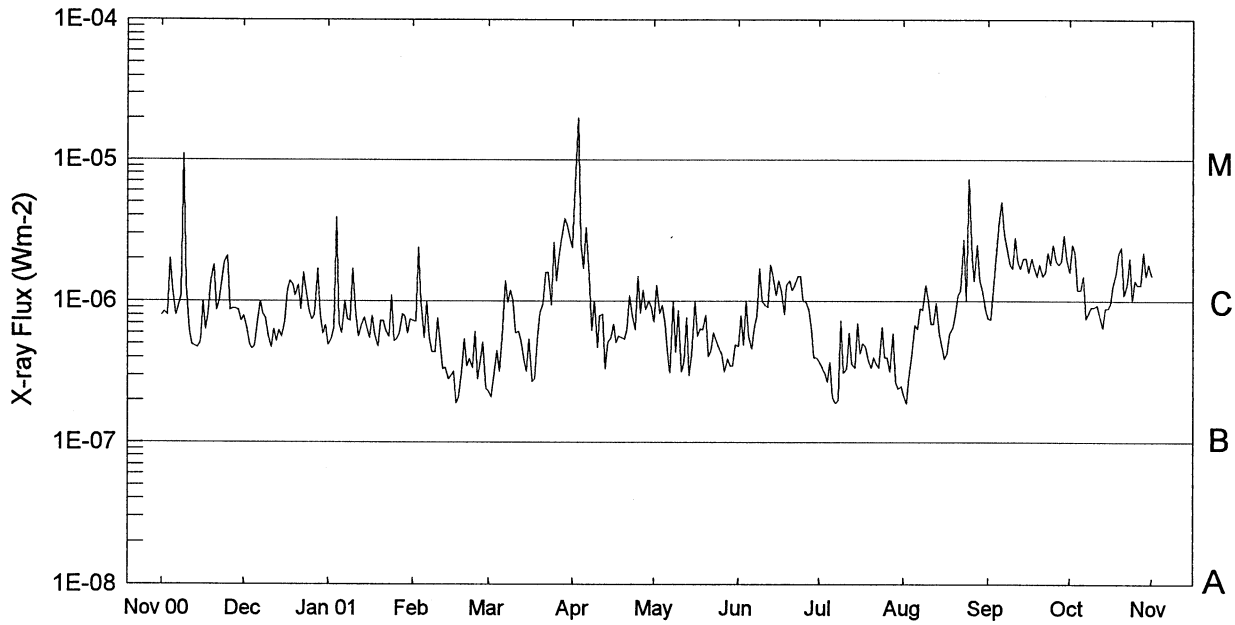
GOES SOLAR X-RAY FLARES
Preliminary Listing

October 2001

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
29	0040	0044	0049	N13	E32	SF C2.8	9682	1.3E-03
29	0152	0159	0207			M1.3		7.4E-03
29	0311	0314	0318			C2.5		9.6E-04
29	0807	0814	0817	S18	W82	1F M1.0	9672	3.7E-03
29	1056	1113	1119	N12	E25	1F M3.6	9682	1.6E-02
29	1130	1133	1137	N12	E23	1N M1.6	9682	5.9E-03
29	1329	1335	1343	N12	E23	SF C6.7	9682	4.2E-03
29	1542	1548	1556	N12	E24	SF C3.0	9682	2.1E-03
29	1627	1634	1637	N16	E23	1N C8.7	9682	2.9E-03
29	1732	1739	1749	N12	E24	SF C2.6	9682	2.3E-03
29	1843	1847	1849	N14	E24	SF C3.1	9682	7.7E-04
29	1922	1927	1931			C5.0		2.2E-03
29	1934	1938	1940			C4.9	9682	1.5E-03
29	2024	2030	2040	N12	E22	SF C3.6	9682	3.2E-03
29	2349	2358	0008	N12	E20	SF M1.5	9682	1.1E-02
30	0303	0323	0346			C6.0		1.3E-02
30	0611	0616	0622			C3.1		1.7E-03

Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	Opt	Imp Xray	NOAA/ USAF Region	Flux
30	1009	1015	1024	N13	E13	SF C6.6	9682	4.3E-03
30	1109	1124	1132			C6.7	9682	7.1E-03
30	1142	1146	1151			C4.4	9682	2.1E-03
30	1201	1204	1211	N03	E48	SF C3.5	9684	1.9E-03
30	1216	1220	1223	N13	E05	1N C7.4	9682	2.1E-03
30	1351	1354	1359			C4.2		1.7E-03
30	1447	1457	1503			C5.0		3.8E-03
30	1516	1519	1521	N12	E10	SF C3.6	9682	9.7E-04
30	1647	1657	1704	N14	E09	SF C7.0	9682	5.8E-03
30	1802	2032	2112			C9.2		6.4E-02
31	0206	0211	0218			C3.3		2.1E-03
31	0734	0809	0819	N11	E02	1N M3.2	9682	2.9E-02
31	1039	1051	1100			M1.5		1.3E-02
31	1601	1605	1608	N13	W04	SF C5.6	9682	1.8E-03
31	2102	2142	2155			M1.0	9687	1.8E-02
31	2314	2319	2326			C2.4		1.6E-03

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



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

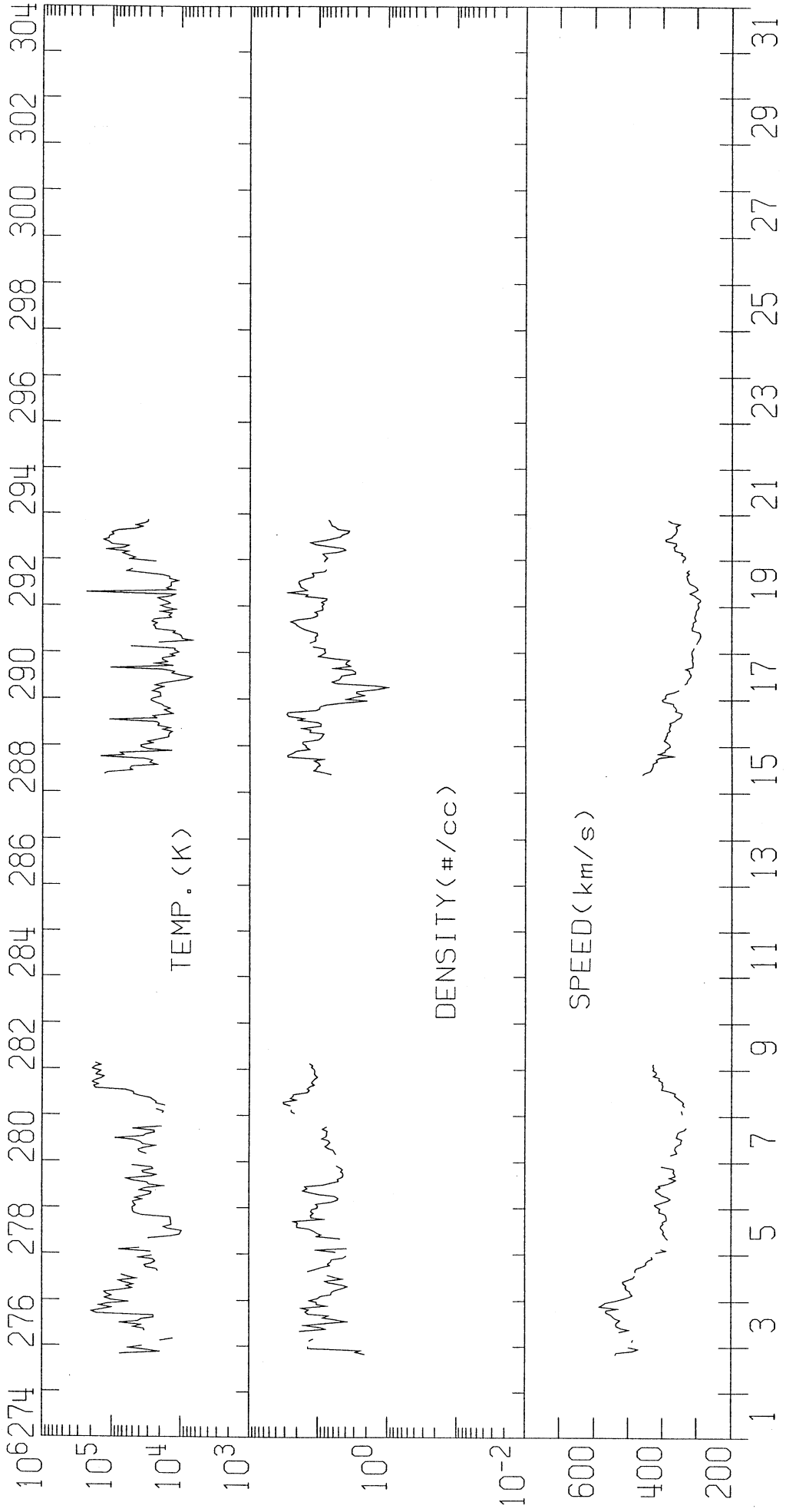
ACTIVE PROMINENCES AND FILAMENTS

OCTOBER 2001

Day	Event Type	Start (UT)	End (UT)	Lat	CMD	CMP Mo	Day	Imp	Extent	Blue Shift (.1 A)	Red Shift (.1 A)	Obs Type	Sta	NOAA/USAF Reg#	Remarks
01	EPL	0803E	1015D	S26	W90	09	24.4	1	7			P	WROC		
01	DSF	1450U	0709U	N06	E13	10	2.6	2	05	0	0	E	SVTO		
01	DSF	1824U	1218U	N02	E12	10	2.7		04	0	0	E	RAMY		
02	APR	1101E	1135	S26	W90	09	25.6	1	6			P	WROC		
02	EPL	1249E	1258D	S21	W90	09	25.7	1	6			P	WROC		
03	APR	1242E	1306D	S24	W90	09	26.7	2	11			P	WROC		
04	DSF	1559U	0555U	N07	E10	10	5.4		08	0	0	E	SVTO		
07	DSF	1643	1651	S21	E12	10	8.6	3	12	0	0	E	HOLL		
08	APR	0838E	0856	S16	E90	10	15.2	1	6			P	WROC		
08	APR	0838E	0923D	N41	E90	10	15.7	1	4			P	WROC		
08	DSF	1340U	0737U	N18	W31	10	6.2	2	08	0	0	E	SVTO		
08	DSF	1340U	0737U	N19	E34	10	11.2	2	08	0	0	E	SVTO		
08	DSF	1817U	1112U	N12	E33	10	11.2		10	0	0	E	RAMY		
08	DSF	1817U	1112U	S37	E14	10	9.9		06	0	0	E	RAMY	9653	
09	DSF	0448	0540	N14	E29	10	11.4	2	04	0	0	E	LEAR		
09	BSL	0714	0920	S14	W90	10	2.5			9	9	E	LEAR		
09	BSL	0748E	0859D	S17	W90	10	2.5			9	9	E	SVTO		
09	DSF	0935U	2243U	N05	E40	10	12.4	2		0	0	E	LEAR		
09	ADF	1057E	1156	S29	E03	10	9.7	2	18	9	9	V	KHAR		
09	DSD	1128U	1158	N27	E70	10	14.8	1	09	9	9	V	KHAR		
09	DSF	1400U	0734U	N38	E07	10	10.1	2	13	0	0	E	SVTO		
09	DSF	1405U	1147U	N38	W08	10	8.9		16	0	0	E	RAMY		
10	DSD	0910E	0925	S08	E64	10	15.2	1	02	9	9	V	KHAR		
10	DSF	0925U	2231U	S33	E22	10	12.1	2	12	0	0	E	LEAR		
10	ADF	0948U	1004	S04	W14	10	9.3	1	05	9	9	V	KHAR		
10	DSD	1104	1125D	S08	E67	10	15.5	1	04	9	9	V	KHAR		
10	DSF	1512U	0606U	S35	E31	10	13.1	2	13	0	0	E	SVTO		
10	DSF	2126U	1131U	S32	E15	10	12.1		13	0	0	E	RAMY		
11	DSF	0339	0419	N22	E48	10	14.8	3	03	0	0	E	LEAR	9657	Flare Associated
11	LPS	0748	0959	N11	E90	10	18.1			9	9	E	LEAR	9661	
11	APR	0855E	0928	N20	E90	10	18.2	1	12	9	9	V	KHAR		
11	DSF	0959U	2235U	N13	W06	10	11.0	2	09	0	0	E	LEAR		
14	APR	0912E	1258D	S06	E90	10	21.1	1	3			P	WROC		
14	APR	1006E	1258D	N49	E90	10	22.0	1	11			P	WROC		
14	DSF	1536U	0911U	N46	E41	10	18.1	2	27	0	0	E	SVTO		
14	DSF	1556U	1135U	N45	E40	10	18.0		23	0	0	E	RAMY		
15	DSF	0802U	2245U	S46	W32	10	12.7	2	16	0	0	E	LEAR		
15	DSF	1507U	0611U	S33	W35	10	12.8	2	11	0	0	E	SVTO		
16	DSF	2148U	2300U	S36	W37	10	13.9	2	17	0	0	E	HOLL		
16	DSF	2350U	1454U	S32	E34	10	19.7	2	13	0	0	E	HOLL		
17	DSF	2309U	1513U	N01	W19	10	16.5		07	0	0	E	HOLL	9661	
18	DSF	0937U	2240U	N28	E57	10	22.8		05	0	0	E	LEAR		
19	DSF	1412U	0824U	N07	W32	10	17.2		08	0	0	E	SVTO		
19	LPS	1722	2230	N16	W32	10	17.3			9	9	E	HOLL	9661	Flare Associated
19	DSF	2309U	1513U	N01	W19	10	18.5		07	0	0	E	HOLL	9661	
21	DSF	0902U	2324U	S30	E31	10	23.8		06	0	0	E	LEAR		
22	BSL	0041	0103	S15	W90	10	15.2			7	9	E	LEAR	9658	
22	LPS	1521	1635D	S16	E18	10	24.0			9	9	E	HOLL	9672	Flare Associated
22	DSF	1848U	1930	S05	E16	10	24.0		14	0	0	E	HOLL	2812	Flare Associated
23	APR	0844E	0954	S20	W90	10	16.5	2	9			P	WROC		
23	DSF	0959U	2241U	N15	E50	10	27.2		08	0	0	E	LEAR	9676	
23	APR	1216E	1217D	S20	W90	10	16.6	1	8			P	WROC		
23	DSF	1519U	0845U	S49	W08	10	23.0		10	0	0	E	SVTO		

IMP 8 SOLAR WIND PLASMA
OCTOBER 2001

MIT/CSR IMP 8 PLASMA PARAMETERS



OCT 2001

IMP 8 MIT ONE-HOUR AVERAGES