

NOVEMBER 2005 NUMBER 735 - Part II



Solar-Geophysical Data comprehensive reports

Data for May 2005 and Miscellaneous

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

NEW DATA:

**ACE Solar Wind, Interplanetary Magnetic Field and
Particles -- Monthly Plots**

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

NOVEMBER 2005 NUMBER 735 - Part II

Solar-Geophysical Data comprehensive reports

Data for May 2005 and Late Data

International Standard Serial Number: 0038-0911

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

NATIONAL GEOPHYSICAL DATA CENTER

Christopher G. Fox, Director

Boulder, Colorado

Subscription information is on the inside back cover.

SOLAR-GEOPHYSICAL DATA

Number 735
(Issued in Two Parts)

Editor: Helen E. Coffey

Acting Chief: David M. Clark
Solar-Terrestrial Physics Division

Staff: Edward H. Erwin

CONTENTS

PART I (PROMPT REPORTS)	Page
DETAILED INDEX FOR 2005	2
DATA FOR OCTOBER 2005	3- 32
DATA FOR SEPTEMBER 2005	33-100

PART II (COMPREHENSIVE REPORTS)	Page
DETAILED INDEX FOR 2005	2
DATA FOR MAY 2005	3- 38
NEW DATA:	
ACE SOLAR WIND, INTERPLANETARY MAGNETIC FIELD AND PARTICLES	
-- MONTHLY PLOTS	

DETAILED INDEX OF OBSERVATIONS PUBLISHED IN SOLAR-GEOPHYSICAL DATA

CODE	KIND OF OBSERVATION	MAR 05	APR	MAY	JUN	JUL	AUG	SEP	OCT
A. SOLAR AND INTERPLANETARY									
A.1	Sunspot Drawings	729A 39	730A 52	731A 44	732A 46	733A 44	734A 41	735A 37	
A.2aa	International Sunspot Numbers	728A 25	729A 23	730A 25	731A 24	732A 25	733A 25	734A 23	735A 24
A.2c	American Sunspot Numbers	728A 25	729A 23	730A 25	731A 24	732A 25	733A 25	734A 23	735A 24
A.3a	Mt. Wilson Magnetograms	729A 39	730A 52	731A 44	732A 46	733A 44	734A 41	735A 37	
A.3b	Sunspot Mag Class and Regions	729A 76	730A 87	731A 81	732A 81	733A 81	734A 78	735A 72	
A.3c	Kitt Peak Magnetograms	729A 39	730A 52	731A 44	732A 46	733A 44	734A 41	735A 37	
A.3d	Mean Solar Magnetic Field (Stanford)	728A 33	729A 31	730A 37	731A 35	732A 37	733A 35	734A 33	735A 31
A.3e	Stanford Magnetograms	729A 39	730A 52	731A 44	732A 46	733A 44	734A 41	735A 37	
A.4	H-alpha Filtergrams	729A 39	730A 52	731A 44	732A 46	733A 44	734A 41	735A 37	
A.5d	PhotometricCa IIFaculaeSanFernando	Jan 92-Dec 96-631B 22; 1997-1998 663B 66							
A.6c	Stanford Solar Mag Field SynopticMap	729A 36	730A 40	731A 38	732A 40	733A 38	734A 38	735A 34	
A.6d	Kitt Peak Solar Mag Field SynopticMap	729A 38	730A 50	731A 43	732A 45	733A 43	734A 40	735A 36	
A.6f	Active Prominences and Filaments	733B 22	734B 18	735B 31					
A.6g	Sac Peak Coronal Line Synoptic Maps		730A 44	731A 40	732A 46	733A 40			
A.6h	Photometric White Light SanFernando	Jul-Dec 96 630B 32; 1997-1998 in 663B 51							
A.7h	Coronal Line Emission (Sac Peak)	729A 39	730A 52	731A 4	732A 46	733A 44	734A 41	735A 37	
A.7j	Coronal Hole Daily Maps (NSO/KP)								
A.7k	Coronal Index (Slovak Academy)	1939-1996 -644B 28							
A.7m	Coronal Mass Ejections (CSPSW)	733B 27	734B 23	735B 36					
A.8aa	2800 MHz- Solar Flux (Penticton)	728A 25	729A 23	730A 25	731A 24	732A 25	733A 25	734A 23	735A 24
A.8ac	2800 MHz- Adj. Solar Flux (Penticton)	728A 25	729A 23	730A 25	731A 24	732A 25	733A 25	734A 23	735A 24
A.8g	Adjusted Daily Solar Fluxes Sagamore	728A 25	729A 23	730A 25	731A 24	732A 25	733A 25	734A 23	735A 24
A.10g	Nancay Radioheliograph164&327MHz	729A 91	730A102	731A106	732A104	733A105	734A 96	735A 86	
A.10h	Nobeyama Radioheliograph - 17 GHz	729A 70	730A 82	731A 75	732A 76	733A 75	734A 72	735A 67	
A.11g	Solar X-ray GOES (graphs/event table)	733B 15	734B 12	735B 24					
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.11o	Solar UV SUSIM (UARS)	Oct 91-Jan 97 in 629B 30							
A.11p	Solar UV Mg II Daily Index	734B 23	734B 19	735B 32					
A.12g	Solar Particles (GOES)	728A 4	729A 4	730A 4	731A 4	732A 4	733A 4	734A 4	735A 4
A.12i	Solar Energetic Particles (ACE)	733B 25	734B 22	735B 35					
A.13g	Solar Plasma (ACE)	733B 24	734B 21	735B 34					
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.17d	ACE Interplanetary Mag Field	733B 23	734B 20	735B 33					
C. SOLAR FLARE-ASSOCIATED EVENT									
C.1a	H-alpha Flares	728A 28	729A 26	730A 28	731A 27	732A 28	733A 28	734A 26	735A 27
C.1ba	H-alpha Flare Groups	733B 4	734B 4	735B 4					
C.1d	Flare Patrol Observations	733B 8	734B 7	735B 9					
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	733B 10	734B 9	735B 11					
C.3	Radio Bursts Fixed Frequency Select	728A 32	729A 30	730A 34	731A 33	732A 34	733A 32	734A 31	735A 29
C.4	Radio Bursts Spectral	729A 82	730A 94	731A 91	732A 91	733A 91	734A 88	735A 80	
C.6	Sudden Ionospheric Disturbances	729A 81	730A 93	731A 89	732A 89	733A 89	734A 86	735A 77	
D. GEOMAGNETIC EVENTS									
D.1a	Geomagnetic Indices	729A 99	730A110	731A114	732A113	733A113	734A104	735A 92	
D.1ba	27-day Chart of Kp Indices	729A101	730A112	731A116	732A115	733A115	734A106	735A 94	
D.1cb	Monthly Mean aa Indices	729A102	730A113	731A117	732A116	733A116	734A107	735A 95	
D.1d	Principal Magnetic Storms	729A106	730A117	731A121	732A120	733A120	734A111	735A 99	
D.1f	Sudden Commencements/FlareEffect	729A107	730A118	731A122	732A121	733A121	734A112	735A100	
D.1g	Equatorial Indices Dst	729A104	730A115	731A119	732A118	733A118	734A109	735A 97	
D.1i	Polar Cap (PC) Index	729A105	730A116	731A120	732A119	733A119	734A110	735A 98	
F. COSMIC RAYS									
F.1b	Cosmic Ray Neutron Cts (Climax)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1h	Cosmic Ray Neutron Cts (Thule)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1i	Cosmic Ray Neutron Cts (Kiel)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1n	Cosmic Ray Neutron Cts (Beijing)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1m	Cosmic Ray Neutron Cts (Haleakala)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1o	Cosmic Ray Neutron Cts (Moscow)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
F.1p	Cosmic Ray Neutron Cts (Calgary)	729A 93	730A104	731A113	732A107	733A107	734A 98	735A 88	
H. MISCELLANEOUS									
H.60	ISES Alert Periods	728A 20	729A 19	730A 20	731A 19	732A 20	733A 20	734A 19	735A 20

The entry "729A 39" under Mar, for example, means that the sunspot drawings for Mar appear in SOLAR-GEOPHYSICAL DATA No. 729 Part I, and that they begin on page 39 "A" denotes Part I and "B", Part II. Blanks indicate data not yet received and dashes mark unavailable data.

CONTENTS

Comprehensive Reports

Number 735 Part II

DATA FOR MAY 2005

	Page	
SOLAR FLARES		
H-alpha Solar Flare Groups	4- 8	
Intervals of No Flare Patrol Observation	9	
Number of Solar Flares January 1965-present	10	
SOLAR RADIO BURSTS AT FIXED FREQUENCIES		11-23
SOLAR X-RAY RADIATION FROM GOES SATELLITE		
Graphs	24-29	
Preliminary Event List -- See Solar X-ray Flare List in the June 2005 Prompt Reports		
Preliminary Daily Average Background	30	
ACTIVE PROMINENCES AND FILAMENTS		31
SOLAR ULTRAVIOLET DAILY DATA FROM NOAA SATELLITE		
NOAA Mg II Daily Index Version 9.1	32	
INTERPLANETARY ENVIRONMENT HOURLY AVERAGE PLOTS		
FROM ADVANCED COMPOSITION EXPLORER (ACE) SATELLITE		
Interplanetary Magnetic Field -- MAG	33	
Solar Wind Plasma -- SWEPAM	34	
Solar Energetic Particles -- EPAM/SIS (Ions, Electrons, and Carbon)	35	
SOLAR CORONAL MASS EJECTIONS from SOHO/LASCO SATELLITE		
Table of Events	36-38	

H α S O L A R F L A R E S

5
May 05

MAY 2005

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)		
			06 2148		2154	No	Flare	Patrol												
			06 2223		2317	No	Flare	Patrol												
			06 2335		2339	No	Flare	Patrol												
			07 1733		2249	No	Flare	Patrol												
			09 0146		0400	No	Flare	Patrol												
			09 0451		0553	No	Flare	Patrol												
0009	HOLL	09	2302	2305	2307	N12	E61	10759	05	14.5	5	SF		3	E		27			F
0010	HOLL	09	2335	2336	2338	N17	E65	10759	05	14.9	3	SF		3	E		20			F
0011	HOLL	10	0100	0104	0123	S06	W28	10758	05	7.9	23	SF		3	E		40			F
			10 0201		0442	No	Flare	Patrol												
0012	SVTO	10	0517	0520	0532	S11	W30	10758	05	8.0	15	SF		3	E		36			F
			10 0927		0941	No	Flare	Patrol												
			10 1044		1057	No	Flare	Patrol												
			10 1148		1220	No	Flare	Patrol												
0013	HOLL	10	1411	1421	1424	S09	W33	10758	05	8.1	13	SF		3	E		21			F
0014	HOLL	10	1609	1615	1631	N12	E51	10759	05	14.5	22	SF		3	E		20			FU
0015	HOLL	10	1941	1956	2022	N10	E47	10759	05	14.3	41	1F		3	E		108			EF
			11 0125		0131	No	Flare	Patrol												
0016	LEAR	11	0128E	0132	0154	N13	E45	10759	05	14.4	26D	2N		3	E		364			
0017	LEAR	11	0334	0334U		N12	E44	10759	05	14.5		1F		3	E		127			
0018	LEAR	11	0340	0348	0401	S09	W43	10758	05	7.9	21	SF		3	E		15			
0019	LEAR	11	0403	0410	0419	S09	W43	10758	05	7.9	16	SF		3	E		14			
0020	LEAR	11	0405	0413	0447	N12	E43	10759	05	14.4	42	SF		3	E		64			
0021	LEAR	11	0420	0428	0436	S09	W43	10758	05	7.9	16	SF		3	E		20			
			11 0533		0544	No	Flare	Patrol												
			11 0925		1122	No	Flare	Patrol												
0022	HOLL	11	1314	1314	1321	S11	E04	10762	05	11.8	7	1F		3	E		129			E
0023	HOLL	11	1659	1700	1715	N13	E37	10759	05	14.5	16	SF		3	E		89			F
0024	HOLL	11	1904	1906	1908	S09	W47	10758	05	8.3	4	SF		3	E		22			
0025	HOLL	11	1921	1939	2016	S10	W47	10758	05	8.3	55	1F		3	E		108			MZ
0026	HOLL	11	2332	2334	2343	S08	W54	10758	05	7.9	11	SF		3	E		15			F
0027	HOLL	12	0014	0017	0023	S09	W51	10758	05	8.2	9	SF		3	E		12			F
0028	LEAR	12	0022E	0026	0125	S09	W54	10758	05	8.0	63D	SF		3	E		90			F
0029	HOLL	12	0026	0029	0035	S08	W55	10758	05	7.9	9	SF		3	E		16			F
0030	LEAR	12	0107	0113	0410	N12	E31	10759	05	14.4	183	2B		3	E		254			FH
0031	LEAR	12	0511	0512	0514	S09	W56	10758	05	8.0	3	SF		3	E		19			
0032	LEAR	12	0641	0651	0653	S09	W57	10758	05	8.0	12	SF		3	E		61			
0033	KANZ	12	0655	0658	0714	N10	E26	10759	05	14.2	19	SF		2	E					
0034	LEAR	12	0704	0704	0714	N12	E28	10759	05	14.4	10	SF		3	E		33			F

6
May 05

H α S O L A R F L A R E S

MAY 2005

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)	
0035		12	07282	07331	0902	N12	E29	10759	05	14.5	94	2B					332		FH
	KANZ	12	0728	0734	0857	N12	E28	10759	05	14.4	89	2B		2	E				
	LEAR	12	0730	0733	0907	N11	E30	10759	05	14.6	97	2B		3	E		332		FH
		12	0924		0926	No Flare Patrol													
0036	KANZ	12	1024	1030	1036	N15	E28	10759	05	14.5	12	SF		2	E				
0037	KANZ	12	1115	1117	1119	S09	W65	10758	05	7.6	4	SF		2	E				
0038	HOLL	12	1250	1251	1255	S16	E64	10763	05	17.4	5	SF		3	E		14		F
0039	HOLL	12	1254	1301	1302	N12	E25	10759	05	14.4	8	1F		3	E		121		F
0040		12	13402	13452	1413	N16	E28	10759	05	14.7	33	SF					39		EF
	KANZ	12	1340	1347	1358D	N15	E27	10759	05	14.6	18D	SF		2	E				
	HOLL	12	1342	1345	1413	N16	E29	10759	05	14.8	31	SF		3	E		39		FE
0041	HOLL	12	1355	1355	1404	S09	W61	10758	05	8.0	9	SF		3	E		23		F
0042	HOLL	12	1701	1703	1717	N11	E23	10759	05	14.4	16	SF		3	E		41		EF
0043	HOLL	12	1736	1740	1819	N11	E21	10759	05	14.3	43	1N		3	E		179		EF
0044	HOLL	12	1823	1826	1827	N09	E22	10759	05	14.4	4	SF		3	E		12		EF
0045	HOLL	12	1953	1953	1956	S10	W63	10758	05	8.1	3	SF		3	E		18		
0046	HOLL	12	2247	2248	2311	N17	E24	10759	05	14.8	24	SF		3	E		33		
0047	LEAR	13	0259	0259	0350	N12	E17	10759	05	14.4	51	SF		3	E		27		F
0048	LEAR	13	0351	0351	0353	N12	E16	10759	05	14.4	2	SF		3	E		18		
		13	0523		0558	No Flare Patrol													
0049		13	1255	13031	1330	N16	E15	10759	05	14.7	35	SF					34		F
	KANZ	13	1255	1303	1330	N15	E14	10759	05	14.6	35	SF		2	E				
	HOLL	13	1255	1304	1331	N16	E16	10759	05	14.7	36	SF		3	E		34		F
		13	1438		1600	No Flare Patrol													
0050	HOLL	13	1631	1641	1946	N12	E12	10759	05	14.6	195	2B		3	E		311		MZ
0051	LEAR	14	0202	0203	0222	S16	E38	10763	05	17.0	20	SF		3	E		42		
0052	LEAR	14	0509	0511	0522	S16	E36	10763	05	16.9	13	SF		3	E		15		
		14	2220		2239	No Flare Patrol													
		15	0849		0904	No Flare Patrol													
		15	0941		0943	No Flare Patrol													
		15	1303		1309	No Flare Patrol													
		15	1311		1454	No Flare Patrol													
		15	1520		1601	No Flare Patrol													
		15	1644		1656	No Flare Patrol													
		15	1735		1745	No Flare Patrol													
		15	2041	2045	2056	S17	E21	10763	05	17.4	15	SF		3	E		34		F
			15	2112		2400	No Flare Patrol												
	16	0000		0013	No Flare Patrol														
0054	LEAR	16	0021	0022	0033	S16	E20	10763	05	17.5	12	SF		3	E		14		FU
0055	LEAR	16	0119	0128	0159	N16	W18	10759	05	14.7	40	SF		3	E		29		FH
0056	LEAR	16	0234	0240	0321	S17	E17	10763	05	17.4	47	1B		3	E		185		UZ
0057	LEAR	16	0334	0336	0402	S16	E10	10763	05	16.9	28	SF		3	E		92		FU

H α SOLAR FLARES

7
May 05

MAY 2005

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)	
0058	LEAR	16	0437	0438	0444	S16	E10	10763	05	16.9	7	SF		3	E		22		F
0059	SVTO	16	0905	0908	0919	S17	E15	10763	05	17.5	14	SF		3	E		97		FH
0060	HOLL	16	1256	1256	1323	N13	W29	10759	05	14.3	27	SF		3	E		26		F
0061	HOLL	16	1600	1605	1624	S15	E04	10763	05	17.0	24	SF		3	E		18		
0062	HOLL	16	1642	1645	1706	S16	E09	10763	05	17.4	24	SF		3	E		25		F
0063	HOLL	16	1939	1943	2009	S15	E06	10763	05	17.3	30	SN		3	E		108		E
0064	HOLL	16	2103	2103	2110	S17	E02	10763	05	17.0	7	SF		3	E		16		E
0065	LEAR	16	2357	2402	2441	S16	E06	10763	05	17.4	44	SF		3	E		59		FH
			17 0150		0154														No Flare Patrol
			17 0204		0215														No Flare Patrol
0066	LEAR	17	0235	0236	0324	S16	W01	10763	05	17.0	49	1B		3	E		161		F
0067	LEAR	17	0401	0403	0425	S16	E03	10763	05	17.4	24	1N		3	E		159		FH
0068	LEAR	17	0516	0516	0523	N13	W34	10759	05	14.6	7	SF		3	E		12		
0069	LEAR	17	0549	0553	0558	S16	W04	10763	05	16.9	9	SF		3	E		19		
			17 1730		2330														No Flare Patrol
0070	LEAR	17	2332	2351	2411	S16	W14	10763	05	16.9	39	SF		3	E		45		F
0071	LEAR	18	0438	0440	0451	S16	W16	10763	05	17.0	13	SF		3	E		30		F
			18 1107		1140														No Flare Patrol
			18 1412		1638														No Flare Patrol
			18 1711		2400														No Flare Patrol
			19 0000		0100														No Flare Patrol
			19 0108		0112														No Flare Patrol
			19 0121		0127														No Flare Patrol
			19 0948		0955														No Flare Patrol
			19 1006		1034														No Flare Patrol
			19 1038		1039														No Flare Patrol
			19 1041		1042														No Flare Patrol
			19 1046		1047														No Flare Patrol
			19 1126		1514														No Flare Patrol
			19 1557		1615														No Flare Patrol
			20 0126		0232														No Flare Patrol
			20 0236		0345														No Flare Patrol
			21 0155		0426														No Flare Patrol
			22 0213		0246														No Flare Patrol
			22 0254		0352														No Flare Patrol
			22 1656		1700														No Flare Patrol
			23 0052		0057														No Flare Patrol
			23 0120		0212														No Flare Patrol
			23 2337		2400														No Flare Patrol
			24 0000		0009														No Flare Patrol
0072	LEAR	24	0011	0012	0025	N13	E45	10766	05	27.4	14	SF		3	E		30		
			24 0104		0125														No Flare Patrol
			24 0207		0257														No Flare Patrol
0073	LEAR	24	0516	0516	0522	S05	E53	10767	05	28.2	6	SF		3	E		18		
			24 0707		1004														No Flare Patrol
			24 1015		1017														No Flare Patrol
			24 1020		1022														No Flare Patrol
			24 1024		1029														No Flare Patrol
			24 1513		1619														No Flare Patrol

8
May 05

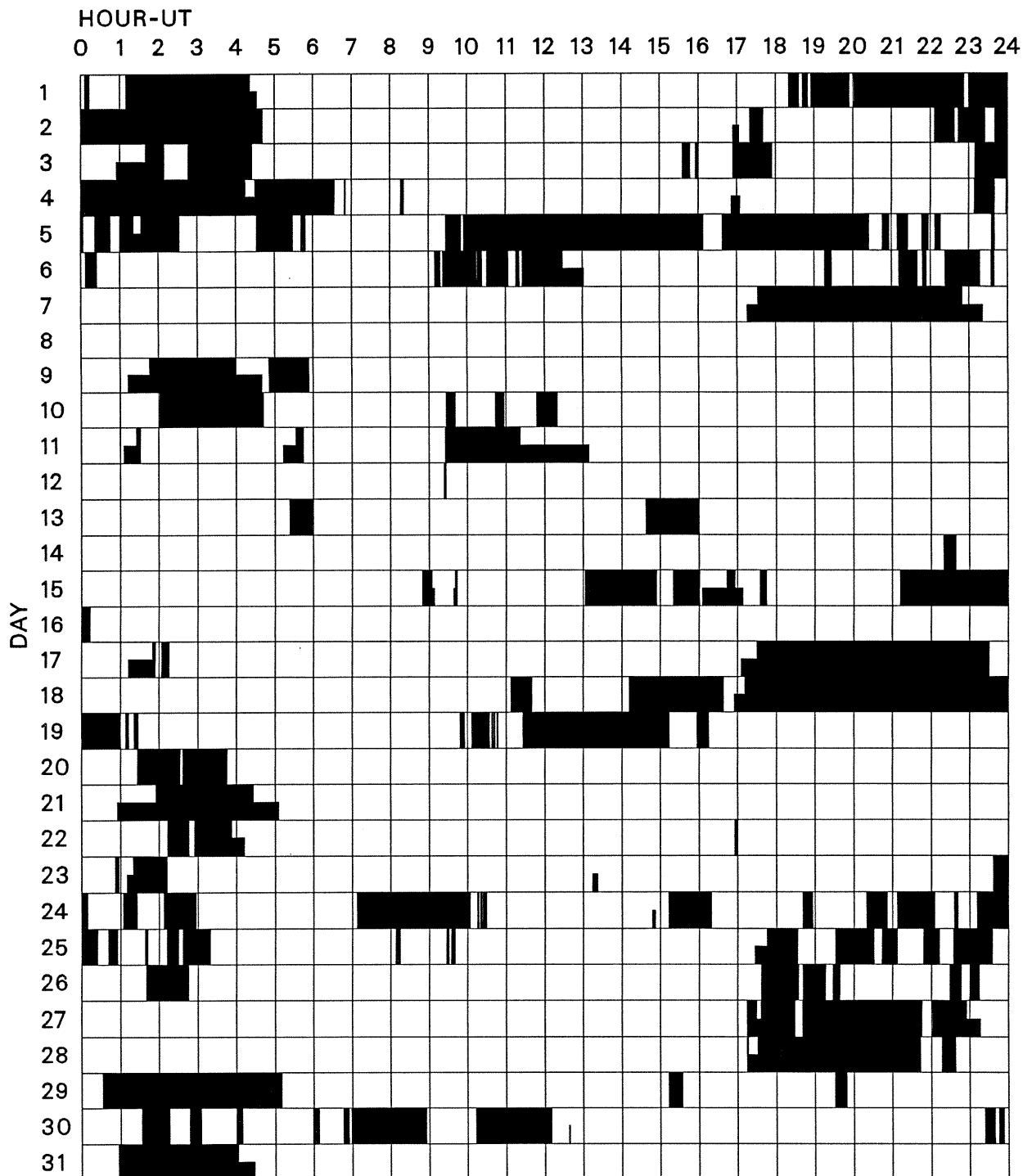
H α S O L A R F L A R E S

MAY 2005

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)	
0074	HOLL	24	1829	1831	1833	S08	E39	10767	05 27.7	4	SF	3	E	14		E
		24	1841		1856	No Flare	Patrol									
		24	2020		2052	No Flare	Patrol									
		24	2107		2205	No Flare	Patrol									
		24	2236		2241	No Flare	Patrol									
		24	2311		2400	No Flare	Patrol									
		25	0000		0024	No Flare	Patrol									
		25	0041		0055	No Flare	Patrol									
		25	0138		0142	No Flare	Patrol									
		25	0212		0230	No Flare	Patrol									
		25	0236		0319	No Flare	Patrol									
		25	0808		0814	No Flare	Patrol									
		25	0927		0930	No Flare	Patrol									
		25	0934		0940	No Flare	Patrol									
		25	1746		1833	No Flare	Patrol									
		25	1932		2031	No Flare	Patrol									
		25	2044		2107	No Flare	Patrol									
		25	2148		2213	No Flare	Patrol									
		25	2235		2335	No Flare	Patrol									
		26	0140		0245	No Flare	Patrol									
		26	1737		1835	No Flare	Patrol									
		26	1841		1916	No Flare	Patrol									
		26	1928		1938	No Flare	Patrol									
0075	HOLL	26	2103	2137	2223	S06	E13	10767	05 27.8	80	1F	3	E	152		EF
		26	2229		2247	No Flare	Patrol									
		26	2301		2315	No Flare	Patrol									
0076	LEAR	27	0315	0510	0537	S08	E07	10767	05 27.7	142	SF	3	E	88		F
0077	KANZ	27	0519E	0528	0537	S09	E07	10767	05 27.7	18D	SF	2	E			
0078		27	0559*	06357	0646	S08	E07	10767	05 27.8	47	1F			182		
	LEAR	27	0559	0634U		S08	E06	10767	05 27.7		2N	3	E	334		
	KANZ	27	0606	0642	0648	S08	E06	10767	05 27.7	42	1F	2	E			
	SVTO	27	0633	0635	0644	S09	E08	10767	05 27.9	11	SF	3	E	29		
0079	LEAR	27	0718	0733	0737	S08	E05	10767	05 27.7	19	SF	3	E	40		
0080	SVTO	27	1226	1230	1240	S08	E04	10767	05 27.8	14	2F	3	E	294		FH
		27	1715		1729	No Flare	Patrol									
		27	1736		1829	No Flare	Patrol									
		27	1840		2146	No Flare	Patrol									
		27	2202		2255	No Flare	Patrol									
0081	LEAR	28	0222	0230	0250	S08	W06	10767	05 27.6	28	SN	3	E	79		F
		28	1715		1716	No Flare	Patrol									
		28	1731		2143	No Flare	Patrol									
		28	2217		2238	No Flare	Patrol									
		29	0032		0510	No Flare	Patrol									
		29	1513		1534	No Flare	Patrol									
		29	1931		1949	No Flare	Patrol									
		30	0133		0216	No Flare	Patrol									
		30	0247		0305	No Flare	Patrol									
		30	0400		0409	No Flare	Patrol									
		30	0559		0608	No Flare	Patrol									
		30	0646		0654	No Flare	Patrol									
		30	0658		0855	No Flare	Patrol									
		30	1013		1210	No Flare	Patrol									
		30	2324		2339	No Flare	Patrol									
		30	2346		2353	No Flare	Patrol									
		31	0057		0402	No Flare	Patrol									
0082	HOLL	31	1439	1443	1503	N12	W22	10770	05 29.9	24	SF	3	E	46		FU

INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

MAY 2005



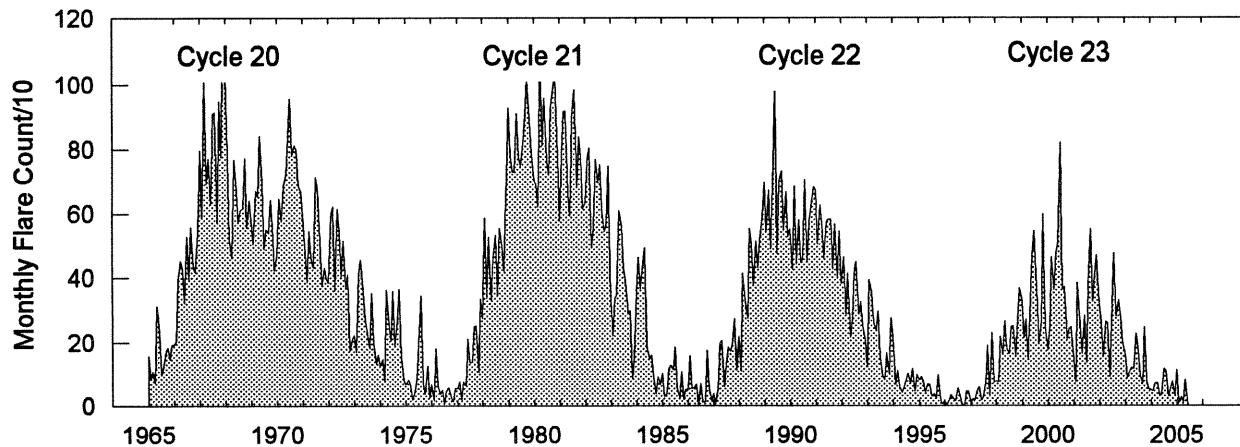
Times of no flare patrol, shown here as shaded areas, combine reports from the stations listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind (neither visual or cinematographic); portions of a panel with only the bottom half shaded mark times of only visual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

Holloman
Kanzelhoehe

Learmonth

San Vito

Monthly Counts of Grouped Solar Flares Jan 1965 - May 2005



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	405	468	3597
2002	318	261	155	263	259	91	318	474	280	329	279	196	3223
2003	164	87	112	122	117	226	181	94	73	245	78	53	1552
2004	49	47	71	72	32	33	118	112	30	54	76	34	728
2005	114	10	28	11	82								245

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

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

11
May 05

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
01	127	TORN	43 NS	0730.0		450.0		13.0		V=1
	2840	PEKG	1 S	0110.0	0112.9	6.0	7.7			
	245	LEAR	8 S	0256.0	0256.0	U	52.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0510.0	0510.0	U	54.0			QL=4 ST=2 TYP=3
	9100	GORK	2 S/F	0520.1	0520.7	1.1	12.0			
	2950	GORK	41 F	0531.6	0543.6	18.8	2.8			
	2950	GORK	41 F	0531.6	0548.9		1.8			
	900	GORK	41 F	0542.8	0543.2		27.0			
	900	GORK	41 F	0542.8	0542.9	0.6	100.0			
	900	GORK	40 F	0548.4	0548.8	2.5	8.4			
	9100	GORK	2 S/F	0640.2	0641.8	5.0	9.2			
	9100	GORK	5 S	0732.0	0732.4	3.7	9.5			
	9100	GORK	2 S/F	0801.4	0803.5	5.3	11.0			
	9100	GORK	2 S/F	0812.7	0813.2	1.3	8.0			
	245	LEAR	8 S	0923.0	0925.0	2.0	140.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0927.0	0927.0	U	94.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0930.0	0930.0	U	58.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0934.0	0934.0	U	67.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0939.0	0939.0	2.0	230.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0939.0	0939.0	U	51.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1137.0	1137.0	2.0	60.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1137.0	1137.0	1.0	44.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1137.0	1137.0	1.0	50.0			QL=4 ST=2 TYP=3
15400	SVTO	8 S	1137.0	1137.0	1.0	40.0			QL=4 ST=2 TYP=3	
02	127	TORN	43 NS	0710.0		470.0		45.0		V=2
	235	CUBA	44 NS	1300.0E		510.00		42.0		
	2840	PEKG	3 S	0000.0	0015.9	31.0	40.7			
	245	LEAR	8 S	0257.0	0257.0	U	99.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0257.0	0257.0	1.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0302.0	0302.0	U	210.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0302.0	0303.0	1.0	150.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0307.0	0307.0	U	64.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0308.0	0308.0	U	87.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0325.0	0325.0	U	87.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0951.0	0951.0	U	160.0			QL=4 ST=2 TYP=3
	33	UPIC	4 S/F	1027.0	1027.5	1.5				
	245	SVTO	4 S/F	1142.0	1147.0	5.0	69.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1146.0	1146.0	U	79.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1859.0	1859.0	U	91.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1956.0	1958.0	2.0	69.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	1958.0	1958.0	U	68.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	1958.0	1958.0	U	120.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2151.0	2152.0	1.0	78.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	2217.0E	2220.0	6.00	71.0			QL=2 ST=2 TYP=3
	4995	SGMR	8 S	2218.0E	2218.0	U	21.0			QL=2 ST=2 TYP=3
	2695	PALE	8 S	2219.0	2220.0	2.0	81.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	2219.0E	2220.0	1.00	24.0			QL=2 ST=2 TYP=3
	2695	PALE	4 S/F	2233.0	2235.0	4.0	85.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2236.0	2237.0	1.0	61.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	2244.0	2246.0	7.0	70.0			QL=4 ST=2 TYP=3
	2695	PALE	4 S/F	2244.0	2249.0	11.0	81.0			QL=4 ST=2 TYP=3
	2840	PEKG	3 S	2245.5E	2248.7	34.00	60.1			
	1415	PALE	8 S	2253.0	2254.0	2.0	97.0			QL=4 ST=2 TYP=3
1415	PALE	8 S	2258.0	2258.0	1.0	90.0			QL=4 ST=2 TYP=3	
03	2800	PENT	44 NS	0001.0E	0015.0	59.40	39.0			
	127	TORN	44 NS	0630.0E		510.00		12.0		V=1
	2804	VORO	20 GRF	0004.5	0008.1	40.0	57.0			
	2695	LEAR	4 S/F	0008.0	0016.0	10.0	57.0			QL=4 ST=2 TYP=3
	1415	LEAR	4 S/F	0008.0	0024.0	20.0	79.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0021.0	0021.0	U	52.0			QL=4 ST=2 TYP=3
	1415	PALE	4 S/F	0024.0	0024.0	3.0	71.0			QL=4 ST=2 TYP=3
	2950	GORK	4 S/F	1030.3	1032.4	3.0	30.0			
	9100	GORK	2 S/F	1031.2	1032.1	2.3	9.2			
	4995	SVTO	8 S	1032.0	1032.0	U	56.0			QL=4 ST=2 TYP=3
	900	GORK	40 F	1032.5	1032.7	2.0	33.0			
	2950	GORK	29 PBI	1033.3	1033.3	7.2	11.0			
	245	SGMR	8 S	1256.0	1256.0	U	71.0			QL=4 ST=2 TYP=3

12
May 05

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

MAY 2005

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	245	SVTO	8 S	1256.0	1256.0	U	79.0			QL=4 ST=2 TYP=3
		SGMR	8 S	1648.0	1648.0	U	150.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1648.0	1648.0	U	170.0			QL=4 ST=2 TYP=3
		PALE	8 S	1649.0	1649.0	U	240.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	1838.0	1839.0	6.3	5.0			
	2695	PALE	8 S	1918.0	1918.0	U	67.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	1948.0	1948.0	U	250.0			QL=4 ST=2 TYP=3
		SGMR	8 S	1948.0	1948.0	U	190.0			QL=4 ST=2 TYP=3
245	PALE	8 S	2045.0	2045.0	U	110.0			QL=4 ST=2 TYP=3	
04	127	TORN	43 NS	0815.0		405.0		12.0		V=1
		CUBA	44 NS	1300.0E		360.0D		23.0		
	410	PALE	43 NS	2141.0	2141.0	139.0	55.0			QL=4 ST=1 TYP=1
		PALE	43 NS	2141.0	2154.0	139.0	67.0			QL=4 ST=1 TYP=1
	410	PALE	43 NS	2141.0	2200.0	139.0	160.0			QL=4 ST=1 TYP=1
		SGMR	43 NS	2151.0	2207.0	92.0	420.0			QL=4 ST=2 TYP=1
	410	SGMR	43 NS	2155.0	2200.0	88.0	110.0			QL=4 ST=2 TYP=1
		SGMR	43 NS	2155.0	2155.0	125.0	59.0			QL=4 ST=1 TYP=1
	2804	VORO	4 S/F	0259.1	0259.9	1.1	15.1			
	245	LEAR	8 S	0501.0	0501.0	U	56.0			QL=4 ST=2 TYP=3
		LEAR	8 S	0830.0	0830.0	2.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0830.0	0830.0	2.0	120.0			QL=4 ST=2 TYP=3
		SVTO	8 S	0946.0	0946.0	U	180.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1039.0	1039.0	1.0	270.0			QL=4 ST=2 TYP=3
		SGMR	8 S	1201.0	1203.0	2.0	130.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1201.0	1203.0	2.0	170.0			QL=4 ST=2 TYP=3
		UPIC	42 SER	1203.0	1318.5	77.0				UNC
	127	TORN	47 GB	1315.3	1318.1	5.0	1300.0	170.0		
		SGMR	8 S	1317.0	1318.0	1.0	240.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1317.0	1318.0	1.0	290.0			QL=4 ST=2 TYP=3
		SVTO	8 S	1318.0	1318.0	U	23.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1318.0	1318.0	U	21.0			QL=4 ST=2 TYP=3
		SGMR	8 S	1330.0	1330.0	U	55.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1404.0E	1404.0	U	71.0			QL=4 ST=2 TYP=3
		SGMR	8 S	1437.0	1438.0	1.0	170.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1437.0	1438.0	2.0	140.0			QL=4 ST=2 TYP=3
		TORN	4 S/F	1437.4	1438.2	2.3U	60.0U	30.0U		DISTURBED
	245	SGMR	8 S	1756.0	1756.0	U	55.0			QL=4 ST=2 TYP=3
PALE		8 S	1851.0	1851.0	U	67.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1851.0	1851.0	U	63.0			QL=4 ST=2 TYP=3	
	SGMR	8 S	2129.0	2129.0	U	98.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2130.0	2130.0	U	110.0			QL=4 ST=2 TYP=3	
	SGMR	48 C	2136.0	2137.0	6.0	110.0			QL=4 ST=2 TYP=8	
245	SGMR	8 S	2147.0	2148.0	2.0	67.0			QL=4 ST=2 TYP=3	
05	245	LEAR	43 NS	0208.0	0323.0	157.0	100.0			QL=4 ST=2 TYP=1
		LEAR	43 NS	0208.0	0214.0	1312.0	57.0			QL=4 ST=1 TYP=1
	245	LEAR	43 NS	0208.0	0219.0	1312.0	86.0			QL=4 ST=1 TYP=1
		LEAR	43 NS	0208.0	0323.0	1312.0	100.0			QL=4 ST=1 TYP=1
	127	TORN	44 NS	0630.0E		510.0D		13.0		V=2
		CUBA	44 NS	1320.0E		485.0D		25.0		
	2800	PENT	44 NS	2007.0E	2014.0	16.3D	74.0			
	245	PALE	43 NS	2137.0	2349.0	424.0	400.0			QL=4 ST=2 TYP=1
		PALE	43 NS	2141.0	2200.0	394.0	160.0			QL=4 ST=2 TYP=1
	245	SVTO	8 S	0535.0	0535.0	U	54.0			QL=4 ST=2 TYP=3
		LEAR	8 S	0610.0	0610.0	1.0	180.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0610.0	0610.0	1.0	150.0			QL=4 ST=2 TYP=3
		LEAR	8 S	0625.0	0625.0	1.0	83.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0626.0	0626.0	U	69.0			QL=4 ST=2 TYP=3
		GORK	4 S/F	0839.7	0840.6	6.1	15.0			
	900	GORK	41 F	0840.5	0841.2	6.9	5.4			
		GORK	41 F	0840.5	0846.6		43.0			
	245	SVTO	8 S	1113.0	1113.0	U	100.0			QL=4 ST=2 TYP=3
		SVTO	8 S	1113.0	1113.0	U	73.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1122.0	1122.0	U	71.0			QL=4 ST=2 TYP=3
SVTO		8 S	1122.0	1122.0	U	51.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1421.0	1421.0	U	180.0			QL=4 ST=2 TYP=3	
	SGMR	8 S	1421.0	1421.0	1.0	31.0			QL=4 ST=2 TYP=3	
15400	SGMR	8 S	1421.0	1421.0	1.0	24.0			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

13
May 05

MAY 2005

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	245	SVTO	8 S	1421.0	1421.0	U	220.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1421.2	1428.5	7.3	27.0	14.0		
	4995	SGMR	8 S	1423.0	1423.0	U	22.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1437.0	1437.0	1.0	34.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	1437.0E	1438.0	20.5U	51.0			
	9500	CUBA	1 S	1437.8	1438.7	3.4	31.0	16.0		
	610	SGMR	8 S	1438.0	1438.0	U	44.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1438.0	1438.0	1.0	35.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1438.0	1438.0	1.0	47.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1438.0	1438.0	1.0	40.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1438.0	1438.0	1.0	27.0			QL=4 ST=2 TYP=3
	610	SVTO	8 S	1438.0	1438.0	U	94.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1438.0	1438.0	1.0	37.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1438.0	1438.0	1.0	54.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1438.0	1438.0	1.0	40.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1438.0	1438.0	1.0	30.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1444.0	1444.0	1.0	27.0			QL=4 ST=2 TYP=3
	8800	SGMR	8 S	1444.0	1444.0	1.0	37.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1444.0	1444.0	1.0	42.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1444.0	1445.0	1.0	150.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	1444.0	1444.0	1.0	33.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	1444.0	1444.0	1.0	26.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1444.0	1444.0	1.0	42.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1444.3	1444.8	2.1	21.0	11.0		
	245	SGMR	8 S	1445.0	1445.0	U	160.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1557.0	1558.0	2.0	96.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1559.0	1559.0	U	52.0			QL=4 ST=2 TYP=3
	9500	CUBA	21 GRF	2008.0	2022.0	35.0	15.0	8.0		
	9500	CUBA	4 S/F	2009.9	2013.7	8.5	104.0	52.0		
	9500	CUBA	4 S/F	2009.9	2013.7	8.5	234.0	117.0		
	245	SGMR	4 S/F	2013.0	2014.0	3.0	320.0			QL=4 ST=2 TYP=3
	410	SGMR	4 S/F	2013.0	2016.0	3.0	200.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	2013.0	2014.0	3.0	220.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	2013.0	2014.0	4.0	290.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	2013.0	2014.0	4.0	370.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2014.0	2014.0	2.0	350.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2014.0	2016.0	2.0	220.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	2014.0	2015.0	2.0	210.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	2014.0	2014.0	1.0	71.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	2014.0	2014.0	3.0	200.0			QL=4 ST=2 TYP=3
8800	PALE	4 S/F	2014.0	2014.0	3.0	270.0			QL=4 ST=2 TYP=3	
15400	PALE	4 S/F	2014.0	2014.0	4.0	370.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	2014.0	2014.0	2.0	180.0			QL=4 ST=2 TYP=3	
2695	SGMR	8 S	2014.0	2014.0	1.0	70.0			QL=4 ST=2 TYP=3	
245	SGMR	4 S/F	2022.0	2024.0	4.0	110.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	2023.0	2024.0	1.0	90.0			QL=4 ST=2 TYP=3	
06	127	TORN	43 NS	1132.0		168.0		9.0		V=0
	235	CUBA	44 NS	1315.0E		495.0D		21.0		
	2804	VORO	41 F	0303.0	0315.6	12.6	3.6			
	2804	VORO	41 F	0303.0	0310.8	10.2	10.0			
	8800	LEAR	4 S/F	0307.0	0308.0	3.0	260.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0307.0	0308.0	3.0	380.0			QL=4 ST=2 TYP=3
	2800	HIRA	1 S	0308.0	0311.0	5.0	10.0			0
	410	LEAR	8 S	0308.0	0309.0	1.0	100.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0308.0	0308.0	1.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0308.0	0309.0	4.0	300.0			QL=4 ST=2 TYP=3
	15400	PALE	4 S/F	0308.0	0309.0	3.0	400.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0309.0	0309.0	U	57.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0309.0	0309.0	U	110.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0309.0	0309.0	U	170.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0309.0	0310.0	2.0	84.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0314.0	0314.0	U	70.0			QL=4 ST=2 TYP=3
245	PALE	8 S	0315.0	0315.0	U	56.0			QL=4 ST=2 TYP=3	
2950	GORK	1 S	0528.4	0529.0	3.4	5.0				
2840	PEKG	5 S	0537.0	0541.0	8.0	10.2				
2950	GORK	46 C	0539.1	0540.3	5.0	9.0				
2950	GORK	46 C	0539.1	0542.7		5.0				
9100	GORK	46 C	0539.2	0540.3		13.0				

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

MAY 2005

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	9100	GORK	46 C	0539.2	0539.5	2.0	10.0			
	9100	GORK	21 GRF	0539.2	0546.9	27.8	12.0			
	9100	GORK	2 S/F	0542.2	0542.9	1.3	9.0			
	2950	GORK	22 GRF	0545.3	0550.1	8.2	4.0			
	2950	GORK	22 GRF	0545.3	0552.1		4.0			
	9100	GORK	46 C	0549.7	0550.1	3.0	57.0			
	9100	GORK	46 C	0549.7	0550.4		30.0			
	127	TORN	42 SER	0931.0	0933.6	18.0	130.0	7.0		
	33	UPIC	45 C	0933.0	0942.5	12.0				
	9100	GORK	2 S/F	0933.2	0933.5	1.8	10.0			
	900	GORK	46 C	0936.5	0937.0		6.7			
	9100	GORK	46 C	0936.5	0939.5		11.0			
	9100	GORK	46 C	0936.5	0936.7	4.3	15.0			
	900	GORK	46 C	0936.5	0936.7	0.8	12.0			
	900	GORK	40 F	0943.2	0943.3	2.7	60.0			
	900	GORK	46 C	0952.2	0953.2	1.7	15.0			
	900	GORK	46 C	0952.2	0953.4		43.0			
	245	SVTO	8 S	1022.0	1022.0	U	330.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1024.0	1024.0	U	75.0			QL=4 ST=2 TYP=3
	1415	SGMR	8 S	1121.0	1121.0	1.0	43.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1121.0	1122.0	4.0	180.0			QL=4 ST=2 TYP=3
	8800	SGMR	4 S/F	1121.0	1123.0	4.0	250.0			QL=4 ST=2 TYP=3
	15400	SGMR	4 S/F	1121.0	1123.0	4.0	210.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1121.0	1122.0	1.0	36.0			QL=2 ST=2 TYP=3
	4995	SVTO	4 S/F	1121.0	1123.0	4.0	150.0			QL=2 ST=2 TYP=3
	8800	SVTO	4 S/F	1121.0	1123.0	5.0	180.0			QL=2 ST=2 TYP=3
	15400	SVTO	4 S/F	1121.0	1123.0	5.0	180.0			QL=2 ST=2 TYP=3
	33	UPIC	46 C	1121.0	1122.0	6.0				
	127	TORN	4 S/F	1121.3	1123.0	3.5	350.0	90.0		
	245	SGMR	8 S	1122.0	1122.0	1.0	210.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1122.0	1123.0	2.0	67.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1122.0	1122.0	1.0	240.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	1122.0	1123.0	2.0	73.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1123.0	1124.0	2.0	34.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1124.0	1124.0	1.0	29.0			QL=4 ST=2 TYP=3
	33	UPIC	42 SER	1450.5	1452.0	18.0				
	235	CUBA	7 C	1641.2	1648.1	23.0	59.0U	30.0		
	245	SGMR	4 S/F	1642.0	1646.0	5.0	71.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	1642.0	1647.0	5.0	30.0			QL=4 ST=2 TYP=3
	245	SVTO	48 C	1642.0	1650.0	12.0	93.0			QL=4 ST=2 TYP=8
410	SGMR	8 S	1644.0	1645.0	2.0	26.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1644.0	1645.0	2.0	35.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1646.0	1646.0	U	79.0			QL=4 ST=2 TYP=3	
1415	SVTO	8 S	1647.0	1648.0	1.0	22.0			QL=2 ST=2 TYP=3	
9500	CUBA	20 GRF	1648.0	1714.0	115.0	20.0	10.0			
245	SGMR	8 S	1649.0	1650.0	1.0	71.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1650.0	1650.0	U	63.0			QL=4 ST=2 TYP=3	
07	127	TORN	43 NS	0838.0		320.0		7.0		V=0
	245	SVTO	8 S	0526.0	0526.0	U	32.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0526.0	0526.0	1.0	65.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	0800.0	0803.0	6.0				
	9100	GORK	22 GRF	0804.6	0806.3	13.8	11.0			
	9100	GORK	22 GRF	0804.6	0810.7		9.0			
	127	TORN	42 SER	0805.0	0812.3	13.0U	70.0			
	245	LEAR	8 S	0811.0	0811.0	U	70.0			QL=4 ST=2 TYP=3
	33	UPIC	4 S/F	1040.0	1040.2	1.0				
	127	TORN	8 S	1255.3	1255.5	0.4		150.0		
08	127	TORN	43 NS	0730.0		450.0		10.0		V=1
	410	LEAR	8 S	0755.0	0756.0	1.0	67.0			QL=4 ST=2 TYP=3
	410	LEAR	4 S/F	0806.0	0810.0	5.0	99.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0814.0	0814.0	U	56.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0821.0	0821.0	2.0	100.0			QL=4 ST=2 TYP=3
	9100	GORK	20 GRF	0921.0	0931.8	10.8	12.0			
	2840	PEKG	1 S	0923.0	0926.0	5.0	8.5			
	2950	GORK	46 C	0925.3	0926.4		4.9			
	2950	GORK	46 C	0925.3	0925.9	3.2	6.9			
	33	UPIC	46 C	1038.0	1038.2	2.0				

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

15
May 05

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Flux Density Mean	Int	Remarks
08	1415	SGMR	8 S	1208.0	1208.0	U	54.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	1208.0	1208.0	U	53.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	1208.0	1208.5	5.0				
	245	SGMR	8 S	1320.0	1320.0	U	52.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1320.0	1320.0	U	56.0			QL=4 ST=2 TYP=3
	33	UPIC	45 C	1455.8	1456.0	2.2				
	245	SGMR	8 S	2025.0	2025.0	1.0	78.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	2026.0	2026.0	U	110.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	2318.0	2318.0	U	210.0			QL=4 ST=2 TYP=3
09	127	TORN	44 NS	0630.0E		510.0D		75.0		V=2
	245	LEAR	8 S	0043.0	0043.0	U	91.0			QL=4 ST=2 TYP=3
	2804	VORO	4 S/F	0330.0	0331.6	3.6	5.5			
	245	LEAR	8 S	0530.0	0530.0	U	55.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0609.0	0609.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0609.0	0609.0	U	82.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0715.0	0715.0	1.0	120.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0715.0	0715.0	U	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0832.0	0832.0	1.0	82.0			QL=4 ST=2 TYP=3
	2950	GORK	46 C	0832.6	0833.0	1.6	3.9			
	2950	GORK	46 C	0832.6	0833.6		9.9			
	245	SVTO	8 S	0833.0	0833.0	U	73.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0929.0	0930.0	1.0	64.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0930.0	0930.0	U	56.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1051.0	1051.0	U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1103.0	1103.0	U	61.0			QL=4 ST=2 TYP=3
	245	SGMR	48 C	1355.0	1357.0	2.0	1300.0			QL=4 ST=2 TYP=8
	245	SGMR	8 S	1533.0	1533.0	U	68.0			QL=4 ST=2 TYP=3
9500	CUBA	2 S/F	1844.6	1845.2	1.7	33.0	17.0			
2800	PENT	24 R	2322.0	2330.0	20.1	7.0				
2840	PEKG	20 GRF	2325.0	2330.3	14.0	7.4				
10	245	SVTO	43 NS	0523.0	0530.0	36.0	130.0			QL=4 ST=2 TYP=1
	245	LEAR	43 NS	0525.0	0530.0	1115.0	170.0			QL=4 ST=2 TYP=1
	127	TORN	44 NS	0630.0E		510.0D		70.0		V=2
	2804	VORO	1 S	0011.6	0013.0	2.6	4.9			
	245	LEAR	8 S	0136.0	0136.0	U	56.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0253.0	0253.0	U	70.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0254.0	0254.0	U	69.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0314.0	0314.0	U	62.0			QL=4 ST=2 TYP=3
	900	GORK	46 C	0453.3	0508.5	33.2	210.0U			
	900	GORK	46 C	0453.3	0516.6		620.0			
	2950	GORK	21 GRF	0457.9	0520.4	36.4	7.8			
	2840	PEKG	3 S	0502.0	0511.2	20.0	38.8			
	9100	GORK	21 GRF	0506.0	0528.2	67.2	22.0			
	2950	GORK	46 C	0509.0	0511.1	11.2	40.0			
	2950	GORK	46 C	0509.0	0519.4		6.8			
	2800	HIRA	3 S	0510.0	0511.0	11.0	25.0			0
	9100	GORK	2 S/F	0510.9	0511.1	0.7	44.0			
	245	LEAR	4 S/F	0517.0	0518.0	4.0	260.0			QL=4 ST=2 TYP=3
	245	SVTO	4 S/F	0517.0	0518.0	4.0	190.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0518.0	0518.0	U	54.0			QL=4 ST=2 TYP=3
	245	LEAR	48 C	0525.0	0530.0	1115.0	170.0			QL=4 ST=2 TYP=8
	2950	GORK	1 S	0649.3	0649.5	0.6	3.6			
	245	LEAR	8 S	0823.0	0823.0	U	64.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0823.0	0823.0	U	52.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0932.0	0932.0	U	51.0			QL=4 ST=2 TYP=3
	1415	SVTO	8 S	0932.0	0932.0	U	51.0			QL=4 ST=3 TYP=3
	9500	CUBA	1 S	1409.0U	1410.1	2.3D	55.0	28.0		
	410	SGMR	8 S	1544.0	1545.0	2.0	62.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1544.0	1544.0	2.0	37.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1545.0	1545.0	1.0	58.0			QL=4 ST=2 TYP=3
	410	SGMR	8 S	1549.0	1549.0	U	55.0			QL=4 ST=2 TYP=3
	610	SGMR	8 S	1551.0	1551.0	U	51.0			QL=4 ST=2 TYP=3
610	SGMR	8 S	1626.0	1626.0	U	53.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1846.0	1846.0	U	66.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1952.0	1953.0	1.0	120.0			QL=4 ST=2 TYP=3	
410	SGMR	8 S	1952.0	1953.0	1.0	100.0			QL=4 ST=2 TYP=3	
610	SGMR	8 S	1952.0	1953.0	1.0	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

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 ⁻²² W/m ² Hz)	Mean (2 Hz)		
10	8800	SGMR	8 S	1952.0	1953.0	1.0	83.0			QL=4 ST=2 TYP=3
	15400	SGMR	8 S	1952.0	1953.0	1.0	67.0			QL=4 ST=2 TYP=3
	9500	CUBA	3 S	1952.1	1952.8	2.0	120.0	60.0		
	410	PALE	8 S	1953.0	1953.0	U	94.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	1953.0	1953.0	1.0	110.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	1953.0	1953.0	U	71.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	1953.0	1953.0	U	73.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1953.0	1953.0	U	65.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1955.6	1955.8	1.2	54.0	27.0		
	2695	PALE	8 S	1956.0	1956.0	2.0	69.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	1956.0	1956.0	U	53.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1956.0	1956.0	U	85.0			QL=4 ST=2 TYP=3
	2695	SGMR	8 S	1956.0	1956.0	2.0	60.0			QL=4 ST=2 TYP=3
	11	127	TORN	44 NS	0630.0E		510.0D		160.0	
245		SVTO	43 NS	0652.0	0729.0	37.0	100.0			QL=4 ST=2 TYP=1
245		LEAR	43 NS	0652.0	0728.0	107.0	140.0			QL=4 ST=2 TYP=1
410		SVTO	43 NS	0710.0	0809.0	59.0	74.0			QL=4 ST=2 TYP=1
410		LEAR	43 NS	0822.0	0841.0	19.0	96.0			QL=4 ST=2 TYP=1
245		LEAR	8 S	0249.0	0249.0	U	56.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0453.0	0453.0	U	58.0			QL=4 ST=2 TYP=3
9100		GORK	5 S	0612.8	0621.0	8.2	9.4			
9100		GORK	21 GRF	0612.8	0637.5	74.2	14.0			
2950		GORK	21 GRF	0613.5	0634.5	29.2	9.4			
2840		PEKG	3 S	0617.0	0619.9	10.0	11.9			
900		GORK	46 C	0618.4	0620.2	3.7	35.0			
900		GORK	46 C	0618.4	0620.6		15.0			
2950		GORK	46 C	0618.7	0620.4		12.0			
2950		GORK	46 C	0618.7	0619.8	7.8	12.0			
2800		HIRA	3 S	0619.0	0621.0	8.0	10.0			0
245		LEAR	4 S/F	0619.0	0621.0	4.0	160.0			QL=4 ST=2 TYP=3
410		SVTO	8 S	0619.0	0619.0	U	71.0			QL=4 ST=2 TYP=3
245		SVTO	4 S/F	0619.0	0621.0	4.0	120.0			QL=4 ST=2 TYP=3
245		LEAR	8 S	0629.0	0629.0	U	83.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0629.0	0629.0	U	70.0			QL=4 ST=2 TYP=3
900		GORK	46 C	0636.0	0637.3	3.7	44.0			
900		GORK	46 C	0636.0	0638.4		12.0			
2840		PEKG	5 S	0636.0	0637.6	4.0	10.5			
2950		GORK	46 C	0636.9	0637.0	0.9	10.0			
2950		GORK	46 C	0636.9	0637.4		10.0			
2800		HIRA	8 S	0638.0	0638.0	1.0	10.0			0
900		GORK	40 F	0648.0	0648.9	1.7	16.0			
410		LEAR	8 S	0809.0	0809.0	U	100.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	0840.0	0841.0	1.0	81.0			QL=4 ST=2 TYP=3
245		SGMR	8 S	1229.0	1229.0	U	60.0			QL=4 ST=2 TYP=3
245		SGMR	8 S	1232.0	1232.0	U	79.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	1232.0	1232.0	U	60.0			QL=4 ST=2 TYP=3
245		SGMR	8 S	1235.0	1235.0	U	58.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	1235.0	1235.0	U	62.0			QL=4 ST=2 TYP=3
245		SVTO	8 S	1317.0	1317.0	U	53.0			QL=4 ST=2 TYP=3
9500		CUBA	4 S/F	1658.1	1659.2	4.6	148.0	74.0		
4995		PALE	8 S	1659.0	1659.0	1.0	190.0			QL=4 ST=2 TYP=3
8800		PALE	8 S	1659.0	1659.0	1.0	150.0			QL=4 ST=2 TYP=3
15400		PALE	8 S	1659.0	1659.0	1.0	79.0			QL=4 ST=2 TYP=3
2695		SGMR	8 S	1659.0	1659.0	U	32.0			QL=4 ST=2 TYP=3
4995	SGMR	8 S	1659.0	1659.0	1.0	180.0			QL=4 ST=2 TYP=3	
8800	SGMR	8 S	1659.0	1659.0	1.0	140.0			QL=4 ST=2 TYP=3	
15400	SGMR	8 S	1659.0	1659.0	1.0	89.0			QL=4 ST=2 TYP=3	
4995	SVTO	8 S	1659.0	1659.0	U	160.0			QL=4 ST=2 TYP=3	
8800	SVTO	8 S	1659.0	1659.0	U	110.0			QL=4 ST=2 TYP=3	
15400	SVTO	8 S	1659.0	1659.0	U	89.0			QL=4 ST=2 TYP=3	
33	UPIC	46 C	1748.0	1751.0U	6.0					
245	SGMR	8 S	1931.0	1931.0	U	52.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1937.0	1937.0	U	51.0			QL=4 ST=2 TYP=3	
2804	VORO	3 S	2317.9	2320.0	6.7	13.9				
2800	PENT	1 S	2318.0	2319.0	7.3	13.0				
2840	PEKG	5 S	2318.0	2319.8	5.0	13.3				
2800	HIRA	1 S	2319.0	2320.0	4.0	15.0			0	

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

17
May 05

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22 W/m 2 Hz)	Mean		
12	127	TORN	44 NS	0630.0E		510.0D		40.0		V=2
	2840	PEKG	1 S	0011.0	0016.7	8.0	3.3			
	2804	VORO	8 S	0013.3	0013.5	0.4	8.4			
	2800	PENT	1 S	0108.0	0112.0	14.7U	56.0			
	2840	PEKG	3 S	0108.0	0112.5	14.0	73.2			
	2804	VORO	4 S/F	0110.6	0112.6	9.0	54.7			
	2800	HIRA	3 S	0111.0	0113.0	8.0	60.0			0
	4995	LEAR	8 S	0111.0	0112.0	2.0	140.0			QL=4 ST=2 TYP=3
	8800	PALE	8 S	0111.0	0112.0	2.0	150.0			QL=4 ST=2 TYP=3
	4995	PALE	4 S/F	0111.0	0112.0	3.0	170.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0112.0	0112.0	U	65.0			QL=4 ST=2 TYP=3
	8800	LEAR	8 S	0112.0	0112.0	U	110.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0112.0	0112.0	1.0	65.0			QL=4 ST=2 TYP=3
	15400	PALE	8 S	0116.0	0116.0	U	51.0			QL=4 ST=2 TYP=3
	2804	VORO	20 GRF	0137.4	0308.3	118.5	10.7			
	2840	PEKG	1 S	0654.0	0656.8	12.0	14.2			
	900	GORK	46 C	0654.5	0655.5	2.2	41.0			
	900	GORK	46 C	0654.5	0655.9		32.0			
	9100	GORK	46 C	0655.9	0658.6		17.0			
	9100	GORK	46 C	0655.9	0657.7	4.1	11.0			
	2800	HIRA	4 S/F	0656.0	0657.0	4.0	15.0			0
	2950	GORK	46 C	0656.2	0658.6		9.1			
	2950	GORK	46 C	0656.2	0656.7	3.3	15.0			
	900	GORK	41 F	0700.3	0700.4	1.7	4.5			
	900	GORK	41 F	0700.3	0701.8		9.0			
	4995	SVTO	48 C	0727.0	0732.0	5.0	110.0			QL=4 ST=2 TYP=8
	2840	PEKG	3 S	0729.0	0731.1	11.0	51.6			
	2800	HIRA	3 S	0730.0	0732.0	7.0	50.0			0
	2695	LEAR	8 S	0730.0	0731.0	1.0	55.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0730.0	0730.0	1.0	88.0			QL=4 ST=2 TYP=3
	2695	SVTO	8 S	0730.0	0730.0	2.0	53.0			QL=4 ST=2 TYP=3
	8800	SVTO	8 S	0730.0	0731.0	2.0	33.0			QL=4 ST=2 TYP=3
	9100	GORK	46 C	0730.0	0731.1	6.0	40.0			
	9100	GORK	46 C	0730.0	0732.4		32.0			
	2950	GORK	46 C	0730.0	0731.4		55.0			
	2950	GORK	46 C	0730.0	0730.9	4.9	52.0			
	245	SGMR	8 S	1358.0	1358.0	U	52.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1415.0	1415.0	U	55.0			QL=4 ST=2 TYP=3
	9500	CUBA	2 S/F	1700.1	1701.7	4.2	33.0	17.0		
	2695	SVTO	8 S	1701.0	1702.0	1.0	80.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	1702.0	1702.0	U	66.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1702.0	1702.0	U	80.0			QL=4 ST=2 TYP=3
	2800	PENT	8 S	1730.0	1738.0	24.8U	97.0			
	9500	CUBA	21 GRF	1736.0	1740.0	17.0	19.0	10.0		
	2695	SGMR	8 S	1737.0	1738.0	2.0	98.0			QL=4 ST=2 TYP=3
	4995	SGMR	8 S	1737.0	1738.0	1.0	89.0			QL=4 ST=2 TYP=3
	9500	CUBA	1 S	1737.2	1737.7	1.4	19.0	10.0		
2695	PALE	8 S	1738.0	1738.0	1.0	94.0			QL=4 ST=2 TYP=3	
2695	PALE	8 S	1738.0	1738.0	1.0	94.0			QL=4 ST=3 TYP=3	
4995	PALE	8 S	1738.0	1738.0	U	71.0			QL=4 ST=2 TYP=3	
4995	PALE	8 S	1738.0	1738.0	U	71.0			QL=4 ST=3 TYP=3	
9500	CUBA	1 S	1738.6	1738.8	0.9	24.0	12.0			
245	PALE	8 S	1944.0	1944.0	U	210.0			QL=4 ST=2 TYP=3	
410	PALE	8 S	1944.0	1944.0	U	200.0			QL=4 ST=2 TYP=3	
610	PALE	8 S	1944.0	1944.0	U	470.0			QL=4 ST=2 TYP=3	
1415	PALE	8 S	1944.0	1944.0	U	70.0			QL=4 ST=2 TYP=3	
2800	HIRA	1 S	2244.0	2249.0	20.0	15.0			0	
2804	VORO	20 GRF	2244.7	2250.5	117.0	15.0				
13	127	TORN	43 NS	0730.0		450.0		10.0		V=1
	235	CUBA	44 NS	1702.0E		268.0D		30.0		
	2804	VORO	3 S	0228.2	0229.4	9.0	54.6			
	2840	PEKG	3 S	0256.0	0259.3	14.0	56.2			
	2800	HIRA	3 S	0258.0	0259.0	7.0	55.0			0
	4995	LEAR	8 S	0258.0	0259.0	1.0	83.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0259.0	0259.0	U	53.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0259.0	0259.0	U	57.0			QL=4 ST=2 TYP=3
	4995	PALE	8 S	0259.0	0259.0	1.0	100.0			QL=4 ST=2 TYP=3
	900	GORK	40 F	0651.8	0652.7	1.6	37.0			

18
May 05

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

MAY 2005

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	2840	PEKG	3 S	0654.0	0658.5	11.0	29.8			
	900	GORK	1 S	0657.7	0658.0	3.5	6.1			
	2950	GORK	4 S/F	0657.8	0658.8	3.2	30.0			
	2800	HIRA	3 S	0658.0	0659.0	4.0	25.0			0
	4995	LEAR	8 S	0658.0	0658.0	U	61.0			QL=4 ST=2 TYP=3
	4995	SVTO	8 S	0658.0	0658.0	1.0	90.0			QL=4 ST=2 TYP=3
	9100	GORK	3 S	0658.1	0659.0	3.6	37.0			
	2950	GORK	29 PBI	0701.0	0701.0	6.3	5.7			
	410	SVTO	8 S	1513.0	1513.0	U	69.0			QL=4 ST=2 TYP=3
	2695	PALE	48 C	1632.0	1703.0	51.0	2700.0			QL=4 ST=2 TYP=8
	2695	SVTO	48 C	1632.0	1703.0	51.0	2900.0			QL=4 ST=2 TYP=8
	2695	SVTO	48 C	1632.0	1645.0	448.0	1700.0			QL=4 ST=1 TYP=8
	2695	SVTO	49 GB	1632.0	1640.0	448.0	790.0			QL=4 ST=1 TYP=6
	2695	SVTO	4 S/F	1632.0	1634.0	448.0	150.0			QL=4 ST=1 TYP=3
	9500	CUBA	28 PRE	1632.8	1638.9	6.1	131.0	65.0		
	610	SVTO	48 C	1633.0	1705.0	38.0	30000.0			QL=4 ST=2 TYP=8
	1415	PALE	48 C	1633.0	1704.0	41.0	4500.0			QL=4 ST=2 TYP=8
	2695	SGMR	48 C	1633.0	1703.0	44.0	2900.0			QL=4 ST=2 TYP=8
	245	SVTO	48 C	1633.0	1654.0	40.0	380.0			QL=4 ST=2 TYP=8
	1415	SVTO	48 C	1633.0	1703.0	41.0	4200.0			QL=4 ST=2 TYP=8
	4995	SVTO	48 C	1633.0	1643.0	51.0	1500.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	1633.0	1648.0	64.0	420.0			QL=4 ST=2 TYP=8
	610	SGMR	48 C	1633.0	1705.0	67.0	43000.0			QL=4 ST=2 TYP=8
	1415	SGMR	48 C	1633.0	1705.0	63.0	5400.0			QL=4 ST=2 TYP=8
	4995	SGMR	49 GB	1633.0	1643.0	63.0	1600.0			QL=4 ST=2 TYP=6
	610	PALE	48 C	1633.0	1705.0	74.0	39000.0			QL=4 ST=2 TYP=8
	1415	PALE	4 S/F	1633.0	1634.0	447.0	160.0			QL=4 ST=1 TYP=3
	245	SGMR	48 C	1633.0	1633.0	447.0	290.0			QL=4 ST=1 TYP=8
	245	SGMR	48 C	1633.0	1648.0	447.0	420.0			QL=4 ST=1 TYP=8
	610	SGMR	48 C	1633.0	1701.0	447.0	32000.0			QL=4 ST=1 TYP=8
	610	SGMR	48 C	1633.0	1705.0	447.0	43000.0			QL=4 ST=1 TYP=8
	1415	SGMR	48 C	1633.0	1646.0	447.0	660.0			QL=4 ST=1 TYP=8
	1415	SGMR	48 C	1633.0	1702.0	447.0	1900.0			QL=4 ST=1 TYP=8
	1415	SGMR	48 C	1633.0	1705.0	447.0	5400.0			QL=4 ST=1 TYP=8
	2695	SGMR	48 C	1633.0	1652.0	447.0	2600.0			QL=4 ST=1 TYP=8
	2695	SGMR	48 C	1633.0	1703.0	447.0	2900.0			QL=4 ST=1 TYP=8
	4995	SGMR	49 GB	1633.0	1643.0	447.0	1600.0			QL=4 ST=1 TYP=6
	245	SVTO	48 C	1633.0	1639.0	447.0	210.0			QL=4 ST=1 TYP=8
	245	SVTO	48 C	1633.0	1644.0	447.0	220.0			QL=4 ST=1 TYP=8
	610	SVTO	48 C	1633.0	1636.0	447.0	420.0			QL=4 ST=1 TYP=8
	610	SVTO	48 C	1633.0	1643.0	447.0	770.0			QL=4 ST=1 TYP=8
	1415	SVTO	49 GB	1633.0	1646.0	447.0	630.0			QL=4 ST=1 TYP=6
	1415	SVTO	4 S/F	1633.0	1633.0	447.0	120.0			QL=4 ST=1 TYP=3
	245	PALE	8 S	1634.0	1634.0	1.0	270.0			QL=4 ST=2 TYP=3
	410	SVTO	48 C	1634.0	1657.0	39.0	19000.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	1634.0	1701.0	51.0	18000.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	1634.0	1701.0	50.0	14000.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	1634.0	1654.0	63.0	400.0			QL=4 ST=2 TYP=8
	4995	PALE	48 C	1634.0	1643.0	61.0	1700.0			QL=4 ST=2 TYP=8
	410	PALE	4 S/F	1634.0	1635.0	446.0	150.0			QL=4 ST=1 TYP=3
	410	SGMR	48 C	1634.0	1640.0	446.0	410.0			QL=4 ST=1 TYP=8
	410	SGMR	48 C	1634.0	1649.0	446.0	4400.0			QL=4 ST=1 TYP=8
410	SGMR	48 C	1634.0	1657.0	446.0	13000.0			QL=4 ST=1 TYP=8	
410	SGMR	48 C	1634.0	1701.0	446.0	14000.0			QL=4 ST=1 TYP=8	
2800	PENT	24 R	1635.0	1641.0	57.5	708.0				
8800	SGMR	49 GB	1637.0	1643.0	65.0	920.0			QL=4 ST=2 TYP=6	
8800	SGMR	49 GB	1637.0	1643.0	443.0	920.0			QL=4 ST=1 TYP=6	
8800	SGMR	4 S/F	1637.0	1640.0	443.0	360.0			QL=4 ST=1 TYP=3	
8800	SVTO	48 C	1638.0	1644.0	31.0	800.0			QL=4 ST=2 TYP=8	
8800	SVTO	48 C	1638.0	1644.0	442.0	800.0			QL=4 ST=1 TYP=8	
8800	SVTO	4 S/F	1638.0	1640.0	442.0	250.0			QL=4 ST=1 TYP=3	
9500	CUBA	47 GB	1638.9	1641.2	20.7	1291.0U	645.0U			
8800	PALE	49 GB	1639.0	1645.0	42.0	950.0			QL=4 ST=2 TYP=6	
15400	SVTO	48 C	1639.0	1644.0	40.0	490.0			QL=4 ST=2 TYP=8	
15400	SGMR	49 GB	1639.0	1644.0	63.0	550.0			QL=4 ST=2 TYP=6	
8800	PALE	49 GB	1639.0	1645.0	441.0	950.0			QL=4 ST=1 TYP=6	
15400	SGMR	49 GB	1639.0	1644.0	441.0	550.0			QL=4 ST=1 TYP=6	
15400	SGMR	4 S/F	1639.0	1640.0	441.0	170.0			QL=4 ST=1 TYP=3	
15400	SVTO	48 C	1639.0	1644.0	441.0	490.0			QL=4 ST=1 TYP=8	

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

19
May 05

MAY 2005

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	SVTO	4 S/F	1639.0	1640.0	441.0	130.0			QL=4 ST=1 TYP=3	
	15400	PALE	48 C	1640.0	1645.0	68.0	580.0			QL=4 ST=2 TYP=8	
	15400	PALE	48 C	1640.0	1645.0	440.0	580.0			QL=4 ST=1 TYP=8	
	33	UPIC	48 C	1642.0		10.0					
	9500	CUBA	29 PBI	1659.6	1659.6	330.00	225.0	113.0			SUNSET
	235	CUBA	49 GB	1702.0E	1704.0U	41.00	310.0U	159.0U			
	610	SGMR	8 S	1746.0	1746.0	U	55.0			QL=4 ST=2 TYP=3	
14	127	TORN	44 NS	0630.0E		510.00		27.0		V=1	
	235	CUBA	44 NS	1300.0E		510.00		41.0			
	245	PALE	43 NS	1904.0	1904.0	196.0	420.0			QL=4 ST=2 TYP=1	
	410	PALE	8 S	0330.0	0330.0	U	240.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0742.0	0742.0	U	61.0			QL=4 ST=2 TYP=3	
	245	SVTO	48 C	1146.0	1149.0	3.0	95.0			QL=4 ST=2 TYP=8	
	410	SVTO	4 S/F	1146.0	1146.0	3.0	32.0			QL=2 ST=2 TYP=3	
	245	SVTO	8 S	1202.0	1202.0	U	120.0			QL=4 ST=2 TYP=3	
	410	SVTO	8 S	1202.0	1202.0	U	27.0			QL=2 ST=2 TYP=3	
	245	SGMR	8 S	1335.0	1335.0	U	82.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	1335.0	1335.0	U	66.0			QL=4 ST=2 TYP=3	
	245	SGMR	8 S	1415.0	1415.0	U	63.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	1415.0	1415.0	U	72.0			QL=4 ST=2 TYP=3	
	127	TORN	47 GB	1423.0	1425.0	3.5	4600.0U	2300.0U			UNCERTAIN
	245	SVTO	8 S	1537.0	1537.0	U	210.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	1654.0	1654.0	U	51.0				QL=4 ST=2 TYP=3
	245	SVTO	8 S	1654.0	1654.0	U	73.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	1723.0	1723.0	U	140.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	1812.0	1812.0	1.0	56.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1812.0	1812.0	U	55.0				QL=4 ST=2 TYP=3
	245	PALE	8 S	1902.0	1902.0	U	61.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	1902.0	1904.0	2.0	53.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	2038.0	2038.0	U	61.0				QL=4 ST=2 TYP=3
	245	SGMR	8 S	2040.0	2040.0	U	57.0				QL=4 ST=2 TYP=3
	245	SGMR	4 S/F	2047.0	2050.0	3.0	79.0				QL=4 ST=2 TYP=3
	410	LEAR	20 GRF	2321.0	2324.0	14.0	140.0				QL=4 ST=2 TYP=2
2804	VORO	2 S/F	2344.6	2344.8	1.2	5.6					
15	127	TORN	44 NS	0630.0E		510.00		170.0		V=1	
	235	CUBA	44 NS	1335.0E		475.00		36.0			
	2800	HIRA	1 S	0132.0	0134.0	4.0	10.0			0	
	2804	VORO	4 S/F	0132.2	0133.3	4.0	10.8				
	245	LEAR	8 S	0321.0	0321.0	2.0	170.0			QL=4 ST=2 TYP=3	
	410	LEAR	8 S	0321.0	0321.0	2.0	75.0			QL=4 ST=2 TYP=3	
	2840	PEKG	3 S	0405.0	0411.0	11.0	13.1				
	2800	HIRA	7 C	0408.0	0412.0	6.0	10.0			0	
	2804	VORO	2 S/F	0408.4	0412.2	6.4	9.7				
	900	GORK	41 F	0551.6	0553.0		16.0				
	900	GORK	41 F	0551.6	0551.7	1.5	35.0				
	900	GORK	7 C	0605.0	0608.3	10.2	5.4				
	900	GORK	7 C	0605.0	0610.6		4.1				
	2950	GORK	4 S/F	0607.8	0610.5	6.5	26.0				
	2800	HIRA	4 S/F	0608.0	0611.0	7.0	25.0			0	
	245	SVTO	8 S	0820.0	0820.0	1.0	110.0			QL=4 ST=2 TYP=3	
	410	SVTO	8 S	0821.0	0822.0	1.0	29.0			QL=4 ST=2 TYP=3	
	900	GORK	41 F	0902.8	0906.0		40.0				
	900	GORK	41 F	0902.8	0903.7	7.4	40.0				
	245	LEAR	8 S	0920.0	0920.0	U	86.0			QL=4 ST=2 TYP=3	
	245	SVTO	8 S	0920.0	0920.0	1.0	110.0			QL=4 ST=3 TYP=3	
	2950	GORK	2 S/F	0920.7	0921.9	1.4	5.8				
	410	SVTO	8 S	0921.0	0922.0	1.0	29.0			QL=4 ST=3 TYP=3	
	410	LEAR	4 S/F	0930.0	0937.0	7.0	120.0			QL=2 ST=2 TYP=3	
	410	SVTO	8 S	1358.0	1358.0	U	94.0			QL=4 ST=2 TYP=3	
	2800	PENT	1 S	1738.0	1740.0	9.3	13.0				
	245	SGMR	8 S	1740.0	1740.0	U	140.0			QL=4 ST=2 TYP=3	
	410	SGMR	8 S	1740.0	1740.0	U	38.0			QL=4 ST=2 TYP=3	
	410	SGMR	8 S	1846.0	1847.0	1.0	440.0			QL=4 ST=2 TYP=3	
	610	SGMR	8 S	1847.0	1847.0	1.0	150.0			QL=4 ST=2 TYP=3	
	410	PALE	8 S	1941.0	1941.0	1.0	88.0			QL=4 ST=2 TYP=3	
	2800	PENT	24 R	2034.0	2108.0	43.3	12.0				
	2800	HIRA	8 S	2142.0	2142.0	1.0	20.0			0	

20
May 05

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

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 ⁻²² W/m ² Hz)	Mean	Int	Remarks
15	2800	HIRA	7 C	2228.0	2233.0	13.0	75.0			0
	2804	VORO	45 C	2228.3	2231.2	20.7	83.9			
	2804	VORO	45 C	2228.3	2235.3	20.7	84.5			
	2804	VORO	45 C	2228.3	2233.5	20.7	86.2			
	410	PALE	48 C	2229.0	2230.0	7.0	2700.0			QL=4 ST=2 TYP=8
	245	SGMR	48 C	2229.0E	2234.0U	7.0D	250.0			QL=4 ST=2 TYP=8
	410	SGMR	48 C	2229.0E	2229.0U	6.0D	2200.0			QL=4 ST=2 TYP=8
	610	SGMR	48 C	2229.0E	2230.0U	4.0D	140.0			QL=4 ST=2 TYP=8
	610	PALE	48 C	2230.0	2231.0	5.0	210.0			QL=4 ST=2 TYP=8
	2695	PALE	48 C	2230.0	2233.0	5.0	83.0			QL=4 ST=2 TYP=8
	4995	PALE	48 C	2230.0	2235.0	6.0	130.0			QL=4 ST=2 TYP=8
	8800	PALE	48 C	2230.0	2235.0	6.0	100.0			QL=4 ST=2 TYP=8
	4995	SGMR	48 C	2230.0E	2230.0U	5.0D	91.0			QL=4 ST=2 TYP=8
	8800	SGMR	8 S	2230.0E	2230.0U	U	24.0			QL=4 ST=2 TYP=3
	1415	SGMR	4 S/F	2230.0E	2231.0U	3.0D	27.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	2230.0E	2231.0U	3.0D	46.0			QL=4 ST=2 TYP=3
	245	PALE	48 C	2231.0	2234.0	6.0	290.0			QL=4 ST=2 TYP=8
	15400	PALE	4 S/F	2234.0	2235.0	6.0	51.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	2235.0	2235.0	U	32.0			QL=4 ST=2 TYP=3
	2800	PENT	1 S	2357.0	2401.0	12.0	12.0			
2840	PEKG	5 S	2359.0	2401.5	7.0	11.2				
16	127	TORN	44 NS	0630.0E		510.0D		30.0		V=2
	235	CUBA	44 NS	1300.0E		510.0D		45.0		
	245	SVTO	43 NS	1453.0	1547.0	80.0	270.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1513.0	1516.0	5.0	120.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1513.0	1527.0	54.0	260.0			QL=4 ST=2 TYP=1
	245	SGMR	43 NS	1935.0	1935.0	24.0	100.0			QL=4 ST=2 TYP=1
	245	LEAR	8 S	0000.0	0001.0	1.0	57.0			QL=4 ST=2 TYP=3
	2804	VORO	3 S	0000.9	0001.8	2.6	11.0			
	245	LEAR	48 C	0006.0	0009.0	3.0	100.0			QL=4 ST=2 TYP=8
	245	PALE	48 C	0006.0	0021.0	18.0	270.0			QL=4 ST=2 TYP=8
	410	PALE	48 C	0008.0	0021.0	17.0	710.0			QL=4 ST=2 TYP=8
	2800	PENT	1 S	0008.0	0013.0	12.9	7.0			
	245	LEAR	48 C	0011.0	0021.0	13.0	320.0			QL=4 ST=2 TYP=8
	2840	PEKG	1 S	0011.0	0013.5	6.0	8.4			
	410	LEAR	48 C	0012.0	0020.0	11.0	550.0			QL=4 ST=2 TYP=8
	2804	VORO	1 S	0012.3	0014.1	3.7	6.5			
	610	LEAR	48 C	0013.0	0013.0	9.0	120.0			QL=2 ST=2 TYP=8
	610	PALE	4 S/F	0013.0	0013.0	10.0	110.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0105.0	0105.0	U	57.0			QL=4 ST=2 TYP=3
	2840	PEKG	20 GRF	0117.0	0125.7	16.0	5.8			
	2840	PEKG	45 C	0229.0	0240.4	24.0	51.1			
	2804	VORO	4 S/F	0234.0	0240.5	11.3	53.6			
	2800	HIRA	7 C	0237.0	0240.0	7.0	50.0			0
	4995	PALE	4 S/F	0238.0	0240.0	4.0	100.0			QL=4 ST=2 TYP=3
	245	LEAR	8 S	0239.0	0240.0	1.0	100.0			QL=4 ST=2 TYP=3
	410	LEAR	8 S	0239.0	0241.0	2.0	100.0			QL=4 ST=2 TYP=3
	610	LEAR	8 S	0239.0	0240.0	1.0	170.0			QL=4 ST=2 TYP=3
	4995	LEAR	8 S	0239.0	0240.0	2.0	120.0			QL=4 ST=2 TYP=3
	8800	LEAR	4 S/F	0239.0	0240.0	3.0	190.0			QL=4 ST=2 TYP=3
	15400	LEAR	4 S/F	0239.0	0240.0	3.0	190.0			QL=4 ST=2 TYP=3
	410	PALE	8 S	0239.0	0241.0	2.0	82.0			QL=4 ST=2 TYP=3
	1415	PALE	8 S	0239.0	0240.0	2.0	46.0			QL=4 ST=2 TYP=3
	2695	PALE	8 S	0239.0	0240.0	2.0	52.0			QL=4 ST=2 TYP=3
	8800	PALE	4 S/F	0239.0	0240.0	3.0	140.0			QL=4 ST=2 TYP=3
	15400	PALE	4 S/F	0239.0	0240.0	3.0	120.0			QL=4 ST=2 TYP=3
	2695	LEAR	8 S	0240.0	0240.0	U	61.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0240.0	0240.0	U	86.0			QL=4 ST=2 TYP=3
	610	PALE	8 S	0240.0	0240.0	1.0	140.0			QL=4 ST=2 TYP=3
	2804	VORO	30 PBI	0245.2	0247.1	42.0	6.8			
	410	LEAR	48 C	0250.0	0254.0	6.0	340.0			QL=4 ST=2 TYP=8
410	PALE	48 C	0250.0	0254.0	7.0	350.0			QL=4 ST=2 TYP=8	
245	LEAR	4 S/F	0251.0	0252.0	4.0	72.0			QL=4 ST=2 TYP=3	
610	PALE	4 S/F	0251.0	0253.0	4.0	58.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	0252.0	0252.0	U	54.0			QL=4 ST=2 TYP=3	
610	LEAR	8 S	0253.0	0253.0	1.0	63.0			QL=4 ST=2 TYP=3	
1415	PALE	8 S	0256.0	0256.0	2.0	50.0			QL=4 ST=2 TYP=3	
2840	PEKG	3 S	0701.0	0707.0	18.0	43.3				

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

21
May 05

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak	Mean		
							(10 -22 W/m ² Hz)			
16	900	GORK	42	SER	0844.7	0857.0		9.5		
	900	GORK	42	SER	0844.7	0844.9	16.9	17.0		
	2950	GORK	28	PRE	0857.6	0858.5	6.6	2.9		
	245	SVTO	8	S	0901.0	0901.0		61.0		QL=4 ST=2 TYP=3
	33	UPIC	46	C	0901.0	0901.5	2.0			
	4995	SVTO	8	S	0903.0	0903.0		26.0		QL=4 ST=2 TYP=3
	2950	GORK	46	C	0903.2	0904.0		16.0		
	2950	GORK	46	C	0903.2	0903.6	1.3	13.0		
	900	GORK	46	C	0903.2	0913.7		60.0		
	900	GORK	46	C	0903.2	0906.9	25.0	80.0		
	9100	GORK	7	C	0903.3	0904.4		6.2		
	9100	GORK	7	C	0903.3	0903.7	3.6	37.0		
	2950	GORK	46	C	0905.0	0913.7		28.0		
	2950	GORK	46	C	0905.0	0906.9	10.0	45.0		
	9100	GORK	46	C	0905.6	0906.6	9.4	71.0		
	9100	GORK	46	C	0905.6	0913.6		18.0		
	2695	LEAR	8	S	0906.0	0906.0	1.0	43.0		QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0906.0	0906.0	1.0	60.0		QL=4 ST=2 TYP=3
	8800	LEAR	8	S	0906.0	0906.0	1.0	40.0		QL=4 ST=2 TYP=3
	1415	SVTO	8	S	0906.0	0907.0	1.0	29.0		QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0906.0	0906.0	1.0	47.0		QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0906.0	0906.0	1.0	84.0		QL=4 ST=2 TYP=3
	15400	SVTO	8	S	0906.0	0906.0	1.0	39.0		QL=4 ST=2 TYP=3
	4995	SVTO	4	S/F	0906.0	0906.0	4.0	99.0		QL=4 ST=2 TYP=3
	245	LEAR	4	S/F	0911.0	0913.0	5.0	54.0		QL=4 ST=2 TYP=3
	2695	LEAR	8	S	0913.0	0914.0	1.0	20.0		QL=4 ST=2 TYP=3
	4995	LEAR	8	S	0913.0	0914.0	1.0	14.0		QL=4 ST=2 TYP=3
	410	LEAR	4	S/F	0913.0	0914.0	3.0	86.0		QL=4 ST=2 TYP=3
	610	LEAR	4	S/F	0913.0	0913.0	3.0	32.0		QL=4 ST=2 TYP=3
	245	SVTO	8	S	0913.0	0913.0		56.0		QL=4 ST=2 TYP=3
	2695	SVTO	8	S	0913.0	0913.0	1.0	29.0		QL=4 ST=2 TYP=3
	4995	SVTO	8	S	0913.0	0913.0	2.0	45.0		QL=4 ST=2 TYP=3
	8800	SVTO	8	S	0913.0	0913.0	1.0	25.0		QL=4 ST=2 TYP=3
	410	SVTO	4	S/F	0913.0	0914.0	4.0	160.0		QL=2 ST=2 TYP=3
	610	SVTO	4	S/F	0913.0	0915.0	3.0	410.0		QL=2 ST=2 TYP=3
	9100	GORK	29	PBI	0915.0	0915.0	13.4	9.2		
	2950	GORK	29	PBI	0915.0	0915.0	18.7	6.8		
	245	SVTO	8	S	0950.0	0950.0		81.0		QL=4 ST=2 TYP=3
	2950	GORK	2	S/F	0957.9	0958.9	3.2	3.6		
	245	SGMR	8	S	1234.0	1234.0		84.0		QL=4 ST=2 TYP=3
245	SVTO	8	S	1234.0	1234.0		100.0		QL=4 ST=2 TYP=3	
245	SVTO	8	S	1249.0	1250.0	1.0	70.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1250.0	1250.0		51.0		QL=4 ST=2 TYP=3	
245	SVTO	8	S	1438.0	1438.0		57.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1459.0	1459.0		55.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1503.0	1504.0	1.0	88.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1509.0	1509.0	1.0	120.0		QL=4 ST=2 TYP=3	
410	SVTO	8	S	1601.0	1601.0		89.0		QL=4 ST=2 TYP=3	
2695	PALE	4	S/F	1628.0	1629.0	3.0	72.0		QL=4 ST=2 TYP=3	
245	PALE	8	S	1855.0	1856.0	1.0	57.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1855.0	1855.0	2.0	62.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1924.0	1926.0	2.0	76.0		QL=4 ST=2 TYP=3	
245	SGMR	8	S	1929.0	1930.0	1.0	67.0		QL=4 ST=2 TYP=3	
410	SGMR	8	S	1941.0	1941.0	2.0	66.0		QL=4 ST=2 TYP=3	
2800	PENT	45	C	2004.0	2010.0	45.3	174.0			
410	LEAR	8	S	2359.0	0000.0	2.0	190.0		QL=4 ST=2 TYP=3	
410	PALE	8	S	2359.0	2401.0	2.0	180.0		QL=4 ST=2 TYP=3	
17	127	TORN	43	NS	0927.0		283.0	8.0		V=1
	2840	PEKG	45	C	0231.0	0237.4	21.0	135.0		
	2800	HIRA	7	C	0232.0	0238.0	20.0	200.0		
	2804	VORO	42	SER	0232.3	0243.3	11.0	112.5		
	2804	VORO	42	SER	0232.3	0237.8	9.5	131.7		
	15400	LEAR	4	S/F	0235.0	0237.0	8.0	92.0		QL=4 ST=2 TYP=3
	8800	PALE	48	C	0235.0	0236.0	9.0	180.0		QL=4 ST=2 TYP=8
	610	LEAR	48	C	0235.0	0236.0	10.0	1700.0		QL=4 ST=2 TYP=8
	2695	PALE	48	C	0235.0	0238.0	10.0	130.0		QL=4 ST=2 TYP=8
	4995	PALE	48	C	0235.0	0237.0	10.0	240.0		QL=4 ST=2 TYP=8
	245	LEAR	48	C	0236.0	0236.0	9.0	1800.0		QL=4 ST=2 TYP=8

22
May 05

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

MAY 2005

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks	
							Peak (10 -22 W/m ² Hz)	Mean			
17	410	LEAR	48 C	0236.0	0236.0	9.0	740.0			QL=4 ST=2 TYP=8	
	245	PALE	48 C	0236.0	0237.0	9.0	1000.0			QL=4 ST=2 TYP=8	
	410	PALE	48 C	0236.0	0237.0	9.0	1100.0			QL=4 ST=2 TYP=8	
	610	PALE	48 C	0236.0	0236.0	9.0	1100.0			QL=4 ST=2 TYP=8	
	1415	PALE	48 C	0236.0	0243.0	9.0	170.0			QL=4 ST=2 TYP=8	
	15400	PALE	4 S/F	0236.0	0237.0	7.0	96.0			QL=4 ST=2 TYP=3	
	1415	LEAR	8 S	0242.0E	0243.0U	1.0D	170.0			QL=2 ST=2 TYP=3	
	2695	LEAR	8 S	0242.0E	0243.0U	2.0D	100.0			QL=4 ST=2 TYP=3	
	4995	LEAR	4 S/F	0242.0E	0243.0U	3.0D	170.0			QL=4 ST=2 TYP=3	
	8800	LEAR	4 S/F	0242.0E	0243.0U	3.0D	110.0			QL=4 ST=2 TYP=3	
	410	LEAR	8 S	0248.0	0249.0	2.0	77.0			QL=4 ST=2 TYP=3	
	410	LEAR	8 S	0248.0	0249.0	2.0	77.0			QL=4 ST=3 TYP=3	
	610	LEAR	8 S	0248.0	0249.0	2.0	96.0			QL=4 ST=2 TYP=3	
	610	LEAR	8 S	0248.0	0249.0	2.0	96.0			QL=4 ST=3 TYP=3	
	245	LEAR	8 S	0249.0	0249.0	U	66.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	0249.0	0249.0	U	66.0			QL=4 ST=3 TYP=3	
	410	LEAR	48 C	0256.0	0317.0	56.0	1300.0			QL=4 ST=2 TYP=8	
	410	LEAR	48 C	0256.0	0317.0	56.0	1300.0			QL=4 ST=3 TYP=8	
	610	LEAR	48 C	0257.0	0257.0	12.0	120.0			QL=4 ST=2 TYP=8	
	610	LEAR	48 C	0257.0	0317.0	25.0	440.0			QL=4 ST=2 TYP=8	
	610	LEAR	48 C	0257.0	0317.0	25.0	440.0			QL=4 ST=3 TYP=8	
	610	PALE	48 C	0257.0	0317.0	25.0	360.0			QL=4 ST=2 TYP=8	
	245	LEAR	48 C	0257.0	0316.0	56.0	1800.0			QL=4 ST=2 TYP=8	
	245	LEAR	48 C	0257.0	0316.0	56.0	1800.0			QL=4 ST=3 TYP=8	
	245	PALE	48 C	0257.0	0317.0	56.0	1900.0			QL=4 ST=2 TYP=8	
	410	PALE	48 C	0257.0	0317.0	55.0	1300.0			QL=4 ST=2 TYP=8	
	2804	VORO	3 S	0312.4	0317.4	16.1	11.2				
	2800	HIRA	1 S	0313.0	0317.0	12.0	10.0				
	1415	PALE	4 S/F	0314.0	0317.0	7.0	98.0				QL=4 ST=2 TYP=3
	1415	LEAR	8 S	0316.0	0317.0	1.0	97.0				QL=2 ST=2 TYP=3
	1415	LEAR	8 S	0316.0	0317.0	1.0	97.0				QL=2 ST=3 TYP=3
	2804	VORO	2 S/F	0400.2	0401.6	3.7	8.2				
	410	LEAR	8 S	0430.0	0431.0	2.0	170.0				QL=4 ST=2 TYP=3
2950	GORK	20 GRF	0513.9	0515.6	8.0	9.5					
245	LEAR	8 S	0551.0	0551.0	1.0	130.0				QL=4 ST=2 TYP=3	
245	SVTO	8 S	0551.0	0551.0	1.0	140.0				QL=4 ST=2 TYP=3	
410	SGMR	8 S	1518.0	1518.0	U	61.0				QL=4 ST=2 TYP=3	
245	SVTO	8 S	1518.0	1518.0	U	57.0				QL=4 ST=2 TYP=3	
33	UPIC	46 C	1518.0	1521.0	3.0						
18	127	TORN	43 NS	0830.0		330.0		4.0		V=0	
	410	PALE	49 GB	0241.0	0242.0	1.0	670.0			QL=4 ST=2 TYP=6	
	2950	GORK	1 S	0440.9	0441.4	1.0	5.6				
	2950	GORK	3 S	0824.7	0825.2	8.3	5.6				
19	127	TORN	43 NS	0903.0		357.0		4.0		V=0	
	245	SGMR	8 S	1123.0	1123.0	U	80.0			QL=4 ST=2 TYP=3	
22	127	TORN	43 NS	0912.0		248.0		4.0		V=0	
	127	TORN	4 S/F	0906.5	0907.9	2.3	180.0	90.0			
	127	TORN	7 C	1158.4	1159.1	2.0	90.0	40.0			
23	127	TORN	43 NS	0952.0		174.0		3.0		V=0	
	127	TORN	5 S	0835.0	0835.8	1.9	150.0	70.0			
	245	PALE	8 S	1910.0	1910.0	U	350.0			QL=4 ST=2 TYP=3	
	245	SGMR	8 S	1910.0	1910.0	U	290.0			QL=4 ST=2 TYP=3	
	245	LEAR	8 S	2347.0	2347.0	2.0	170.0			QL=4 ST=2 TYP=3	
	245	PALE	8 S	2347.0	2347.0	2.0	160.0			QL=4 ST=2 TYP=3	
24	410	LEAR	49 GB	0515.0	0515.0	U	1800.0			QL=4 ST=2 TYP=6	
	245	SVTO	8 S	0515.0	0515.0	1.0	39.0			QL=4 ST=2 TYP=3	
	410	SVTO	8 S	0515.0	0515.0	U	390.0			QL=4 ST=2 TYP=3	
26	2800	PENT	24 R	2058.0	2136.0	66.6	9.0				
	245	PALE	8 S	2135.0	2135.0	2.0	75.0			QL=4 ST=2 TYP=3	
27	410	PALE	8 S	0119.0	0120.0	1.0	340.0			QL=4 ST=2 TYP=3	
	9100	GORK	46 C	0502.5	0505.1		16.0				
	9100	GORK	46 C	0502.5	0503.2	6.5	34.0				

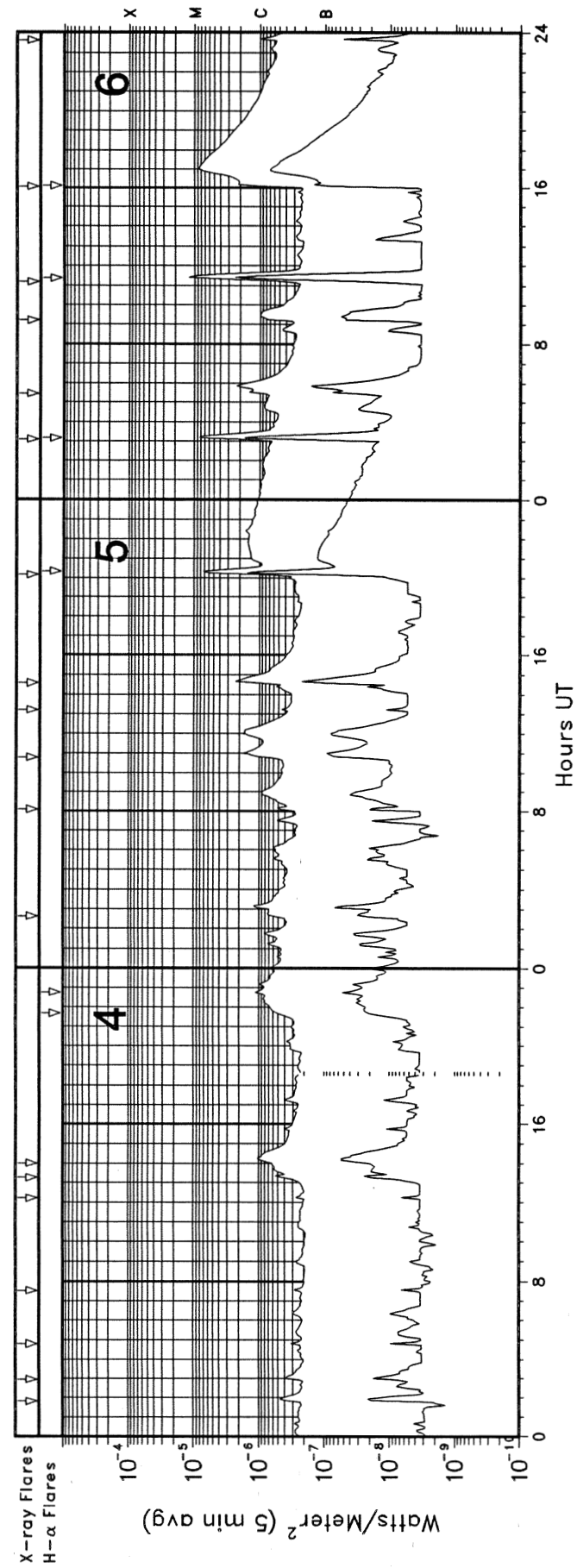
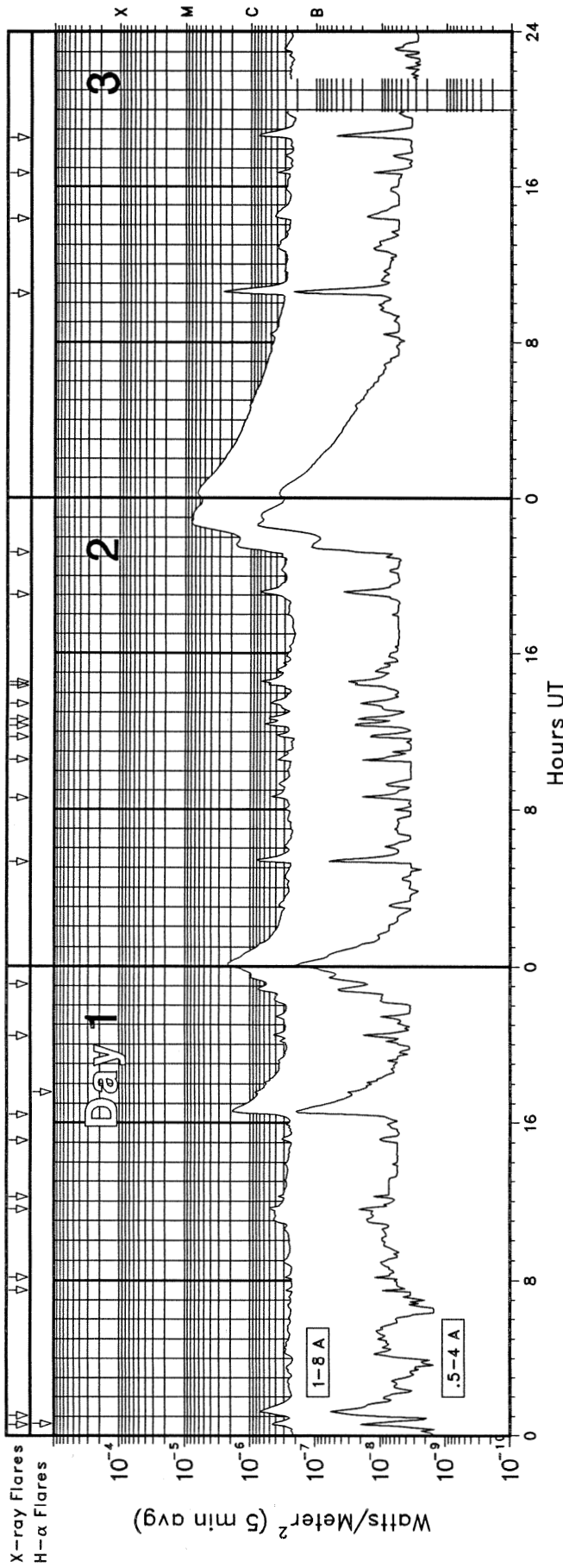
S O L A R R A D I O E M I S S I O N
Outstanding Occurrences

23
May 05

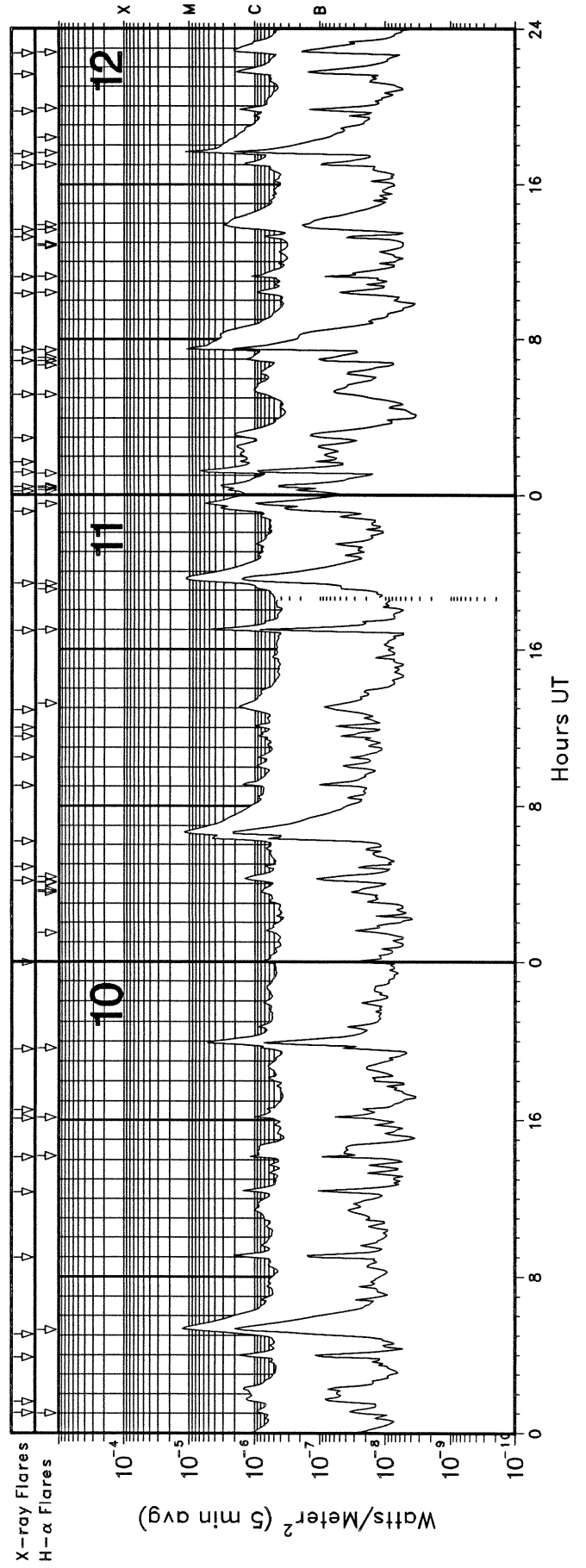
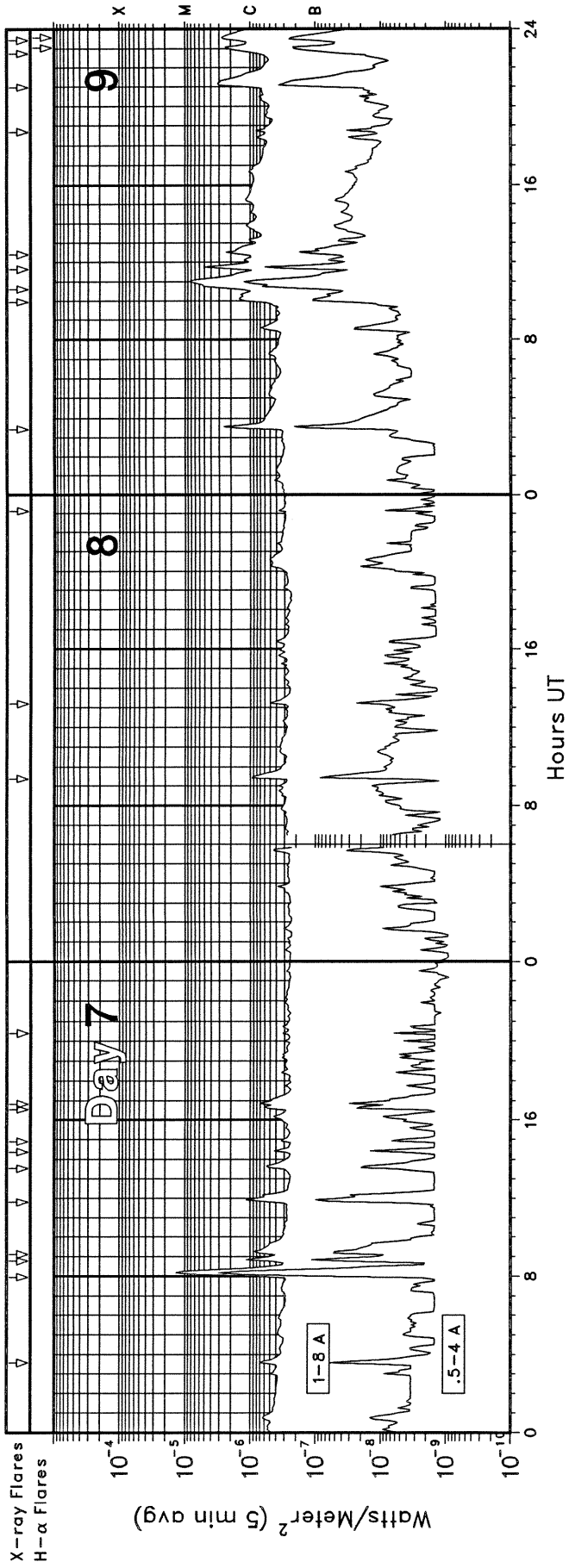
MAY 2005

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	9100	GORK	46 C	0604.8	0607.8	8.1	16.0				
	9100	GORK	46 C	0604.8	0609.9		13.0				
	9100	GORK	46 C	0624.7	0626.7	21.2	19.0				
	9100	GORK	46 C	0624.7	0632.9		36.0				
	245	SGMR	8 S	1226.0	1227.0	1.0	130.0			QL=4 ST=2 TYP=3	
	1415	SGMR	8 S	1226.0	1227.0	1.0	170.0			QL=4 ST=2 TYP=3	
	2695	SGMR	8 S	1226.0	1227.0	2.0	130.0			QL=4 ST=2 TYP=3	
	4995	SGMR	8 S	1226.0	1227.0	2.0	130.0			QL=4 ST=2 TYP=3	
	1415	SVTO	8 S	1226.0	1227.0	2.0	150.0			QL=4 ST=2 TYP=3	
	8800	SVTO	8 S	1226.0	1227.0	2.0	47.0			QL=4 ST=2 TYP=3	
	245	SVTO	4 S/F	1226.0	1227.0	4.0	140.0			QL=4 ST=2 TYP=3	
	2695	SVTO	4 S/F	1226.0	1227.0	3.0	130.0			QL=4 ST=2 TYP=3	
	4995	SVTO	4 S/F	1226.0	1227.0	4.0	120.0			QL=4 ST=2 TYP=3	
	245	SGMR	4 S/F	1226.0	1226.0	694.0	97.0			QL=4 ST=1 TYP=3	
	1415	SGMR	4 S/F	1226.0	1227.0	694.0	170.0			QL=4 ST=1 TYP=3	
	2695	SGMR	4 S/F	1226.0	1227.0	694.0	130.0			QL=4 ST=1 TYP=3	
	4995	SGMR	4 S/F	1226.0	1227.0	694.0	93.0			QL=4 ST=1 TYP=3	
	1415	SVTO	4 S/F	1226.0	1227.0	694.0	150.0			QL=4 ST=1 TYP=3	
	2695	SVTO	4 S/F	1226.0	1227.0	694.0	110.0			QL=4 ST=1 TYP=3	
	4995	SVTO	4 S/F	1226.0	1227.0	694.0	90.0			QL=4 ST=1 TYP=3	
	33	UPIC	46 C	1226.5	1227.0	3.5					
	8800	SGMR	8 S	1227.0	1227.0		U	55.0			QL=4 ST=2 TYP=3
	15400	SVTO	8 S	1227.0	1227.0	1.0		27.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	1228.0	1228.0		U	51.0			QL=2 ST=2 TYP=3
	245	SGMR	8 S	1514.0	1514.0		U	100.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	1514.0	1514.0	1.0		120.0			QL=4 ST=2 TYP=3
	245	SGMR	8 S	1518.0	1518.0		U	59.0			QL=4 ST=2 TYP=3
245	SGMR	8 S	1913.0	1913.0		U	59.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1914.0	1914.0		U	75.0			QL=4 ST=2 TYP=3	
245	PALE	8 S	1927.0	1927.0		U	83.0			QL=4 ST=2 TYP=3	
245	SGMR	8 S	1927.0	1927.0		U	68.0			QL=4 ST=2 TYP=3	
28	245	LEAR	8 S	0304.0	0304.0		U	94.0			QL=4 ST=2 TYP=3
	245	PALE	8 S	0304.0	0304.0	1.0		120.0			QL=4 ST=2 TYP=3
	9100	GORK	46 C	0457.5	0459.6			14.0			
	9100	GORK	46 C	0457.5	0458.7	3.0		16.0			
	245	LEAR	8 S	0503.0	0503.0		U	58.0			QL=4 ST=2 TYP=3
	245	SVTO	8 S	0503.0	0503.0		U	50.0			QL=4 ST=2 TYP=3
	410	SVTO	8 S	0540.0	0540.0		U	74.0			QL=4 ST=2 TYP=3
2800	HIRA	3 S	2215.0	2215.0	2.0		10.0				
29	235	CUBA	44 NS	1330.0E		495.0D		22.0			
30	235	CUBA	43 NS	1852.0		218.0D		16.0			
31	235	CUBA	44 NS	1300.0E		530.0D		14.0			
	2804	VORO	8 S	0302.1	0302.4	0.8		3.8			
	245	SVTO	8 S	1436.0	1436.0		U	52.0			QL=4 ST=2 TYP=3
	235	CUBA	7 C	1437.5	1440.4	12.3		40.0U			20.0U
	2800	PENT	1 S	1438.0	1441.0	15.1		94.0			
	245	SGMR	4 S/F	1438.0	1439.0	12.0		62.0			QL=4 ST=2 TYP=3
	610	SGMR	4 S/F	1439.0	1440.0	10.0		75.0			QL=4 ST=2 TYP=3
	9500	CUBA	20 GRF	1439.8	1443.1	10.1		46.0			23.0
	1415	SGMR	4 S/F	1440.0	1440.0	5.0		37.0			QL=4 ST=2 TYP=3
	2695	SGMR	4 S/F	1440.0	1441.0	5.0		70.0			QL=4 ST=2 TYP=3
	4995	SGMR	4 S/F	1440.0	1441.0	7.0		89.0			QL=4 ST=2 TYP=3
	610	SVTO	48 C	1440.0	1445.0	6.0		91.0			QL=4 ST=2 TYP=8
	245	SVTO	8 S	1440.0	1440.0		U	67.0			QL=4 ST=2 TYP=3
	2695	SVTO	4 S/F	1440.0	1441.0	3.0		85.0			QL=4 ST=2 TYP=3
	4995	SVTO	4 S/F	1440.0	1441.0	4.0		91.0			QL=4 ST=2 TYP=3
	33	UPIC	46 C	1440.0	1441.0	2.5					
	8800	SGMR	4 S/F	1441.0	1443.0	5.0		44.0			QL=4 ST=2 TYP=3
15400	SGMR	4 S/F	1441.0	1443.0	5.0		37.0			QL=4 ST=2 TYP=3	
410	SVTO	8 S	1442.0	1442.0		U	56.0			QL=4 ST=2 TYP=3	

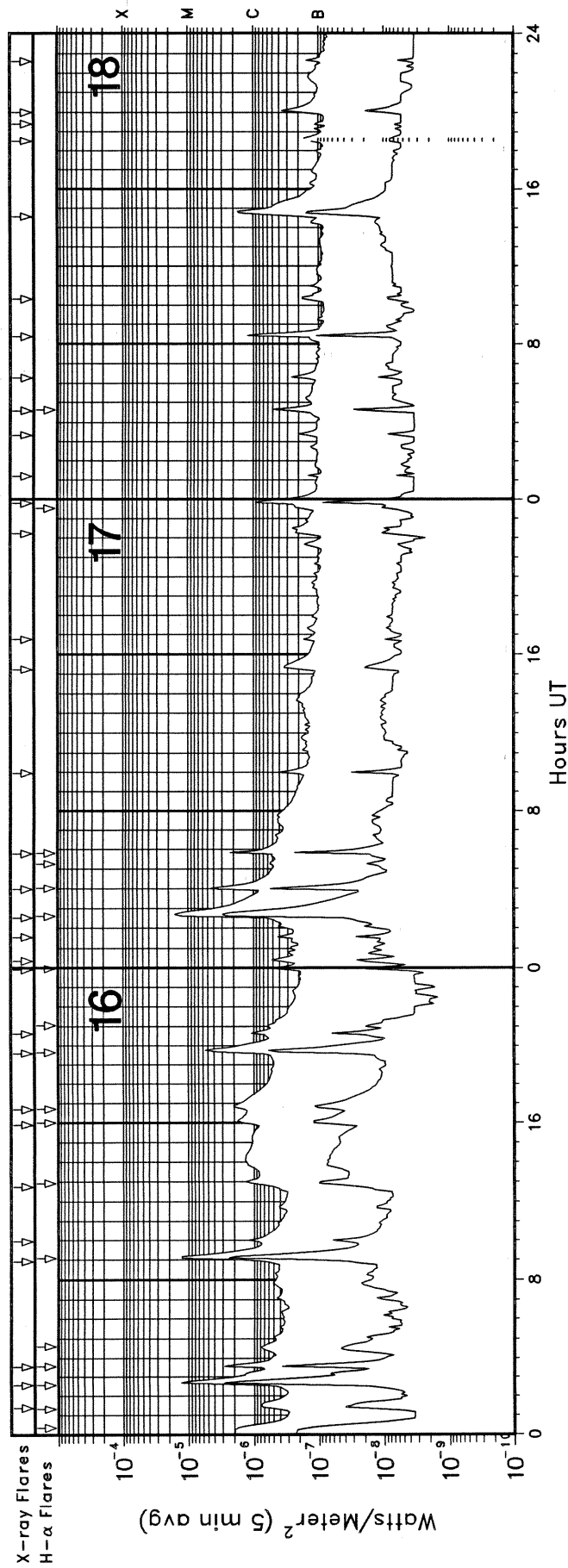
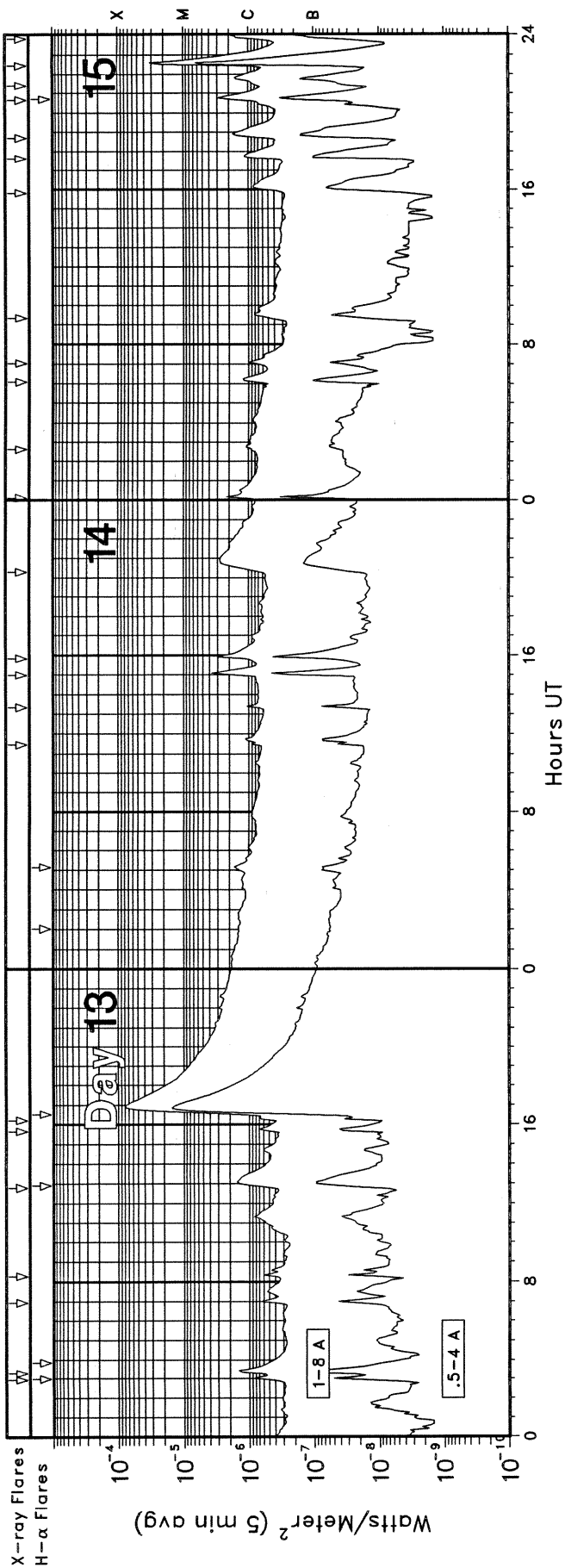
GOES X-RAY DETECTOR May 2005



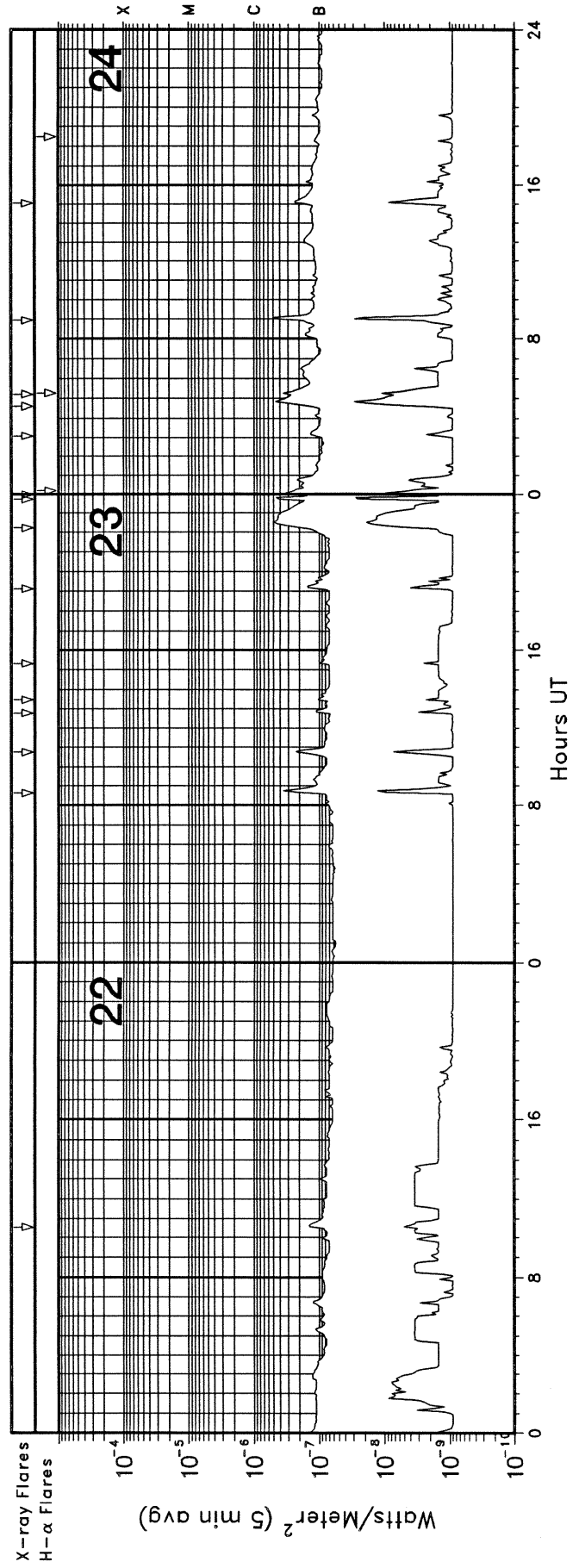
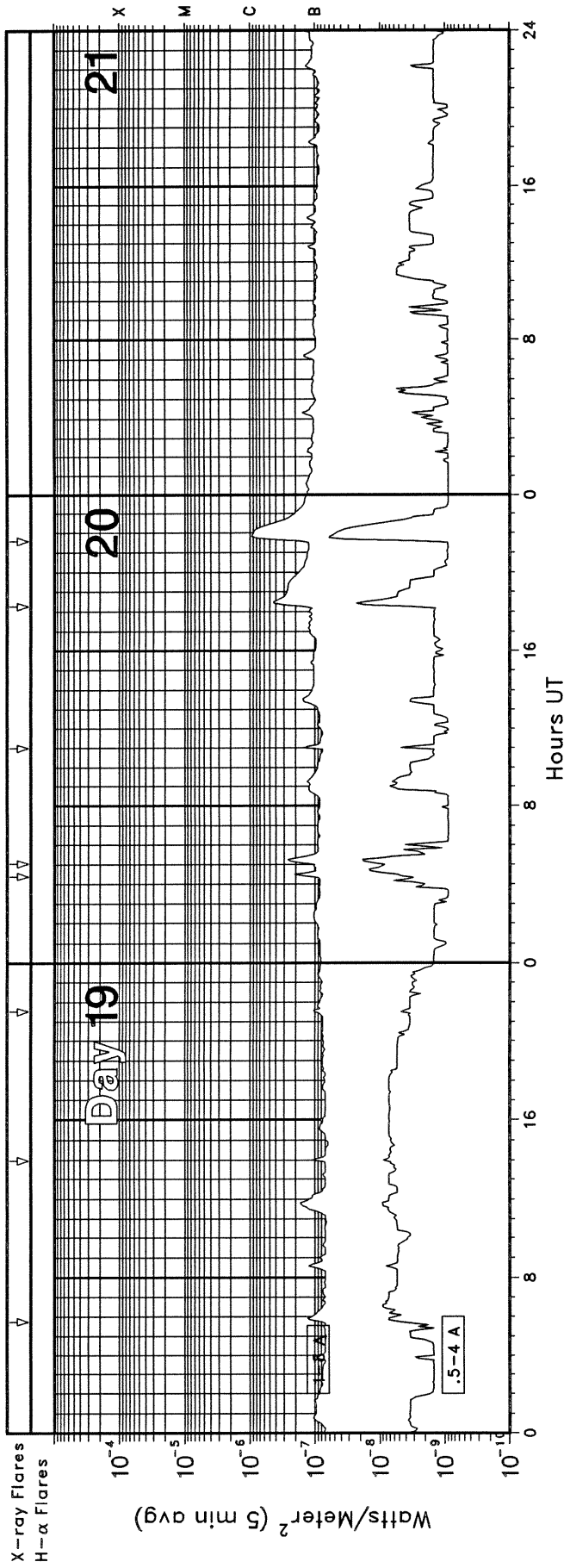
GOES X-RAY DETECTOR May 2005



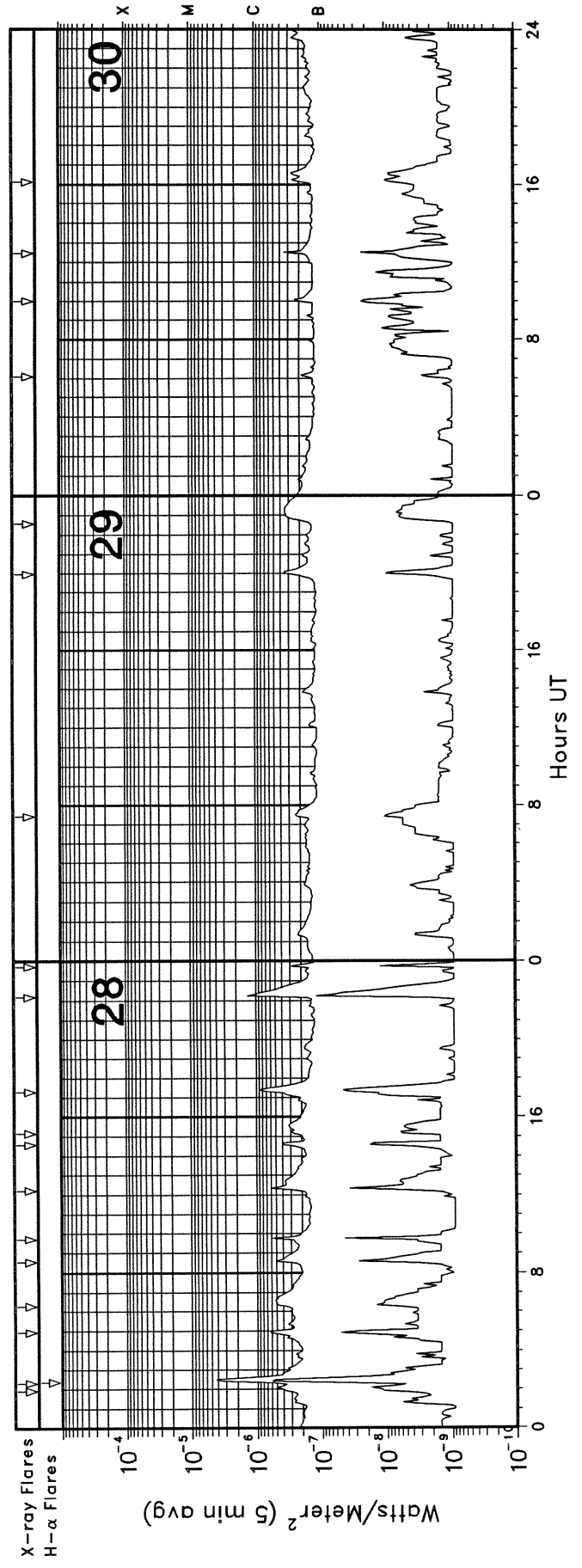
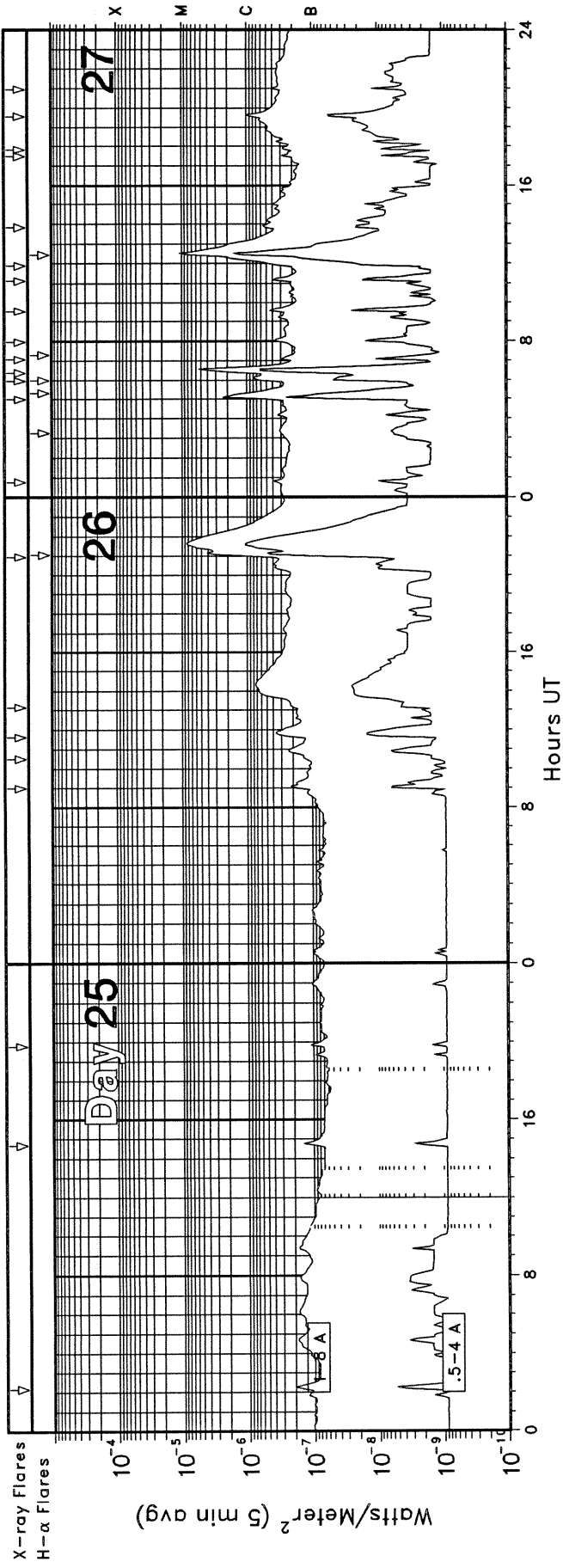
GOES X-RAY DETECTOR May 2005



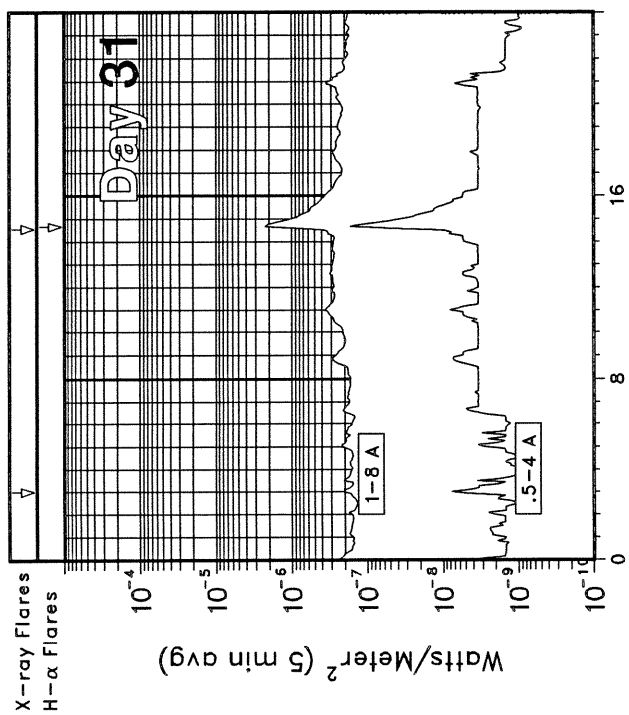
GOES X-RAY DETECTOR May 2005



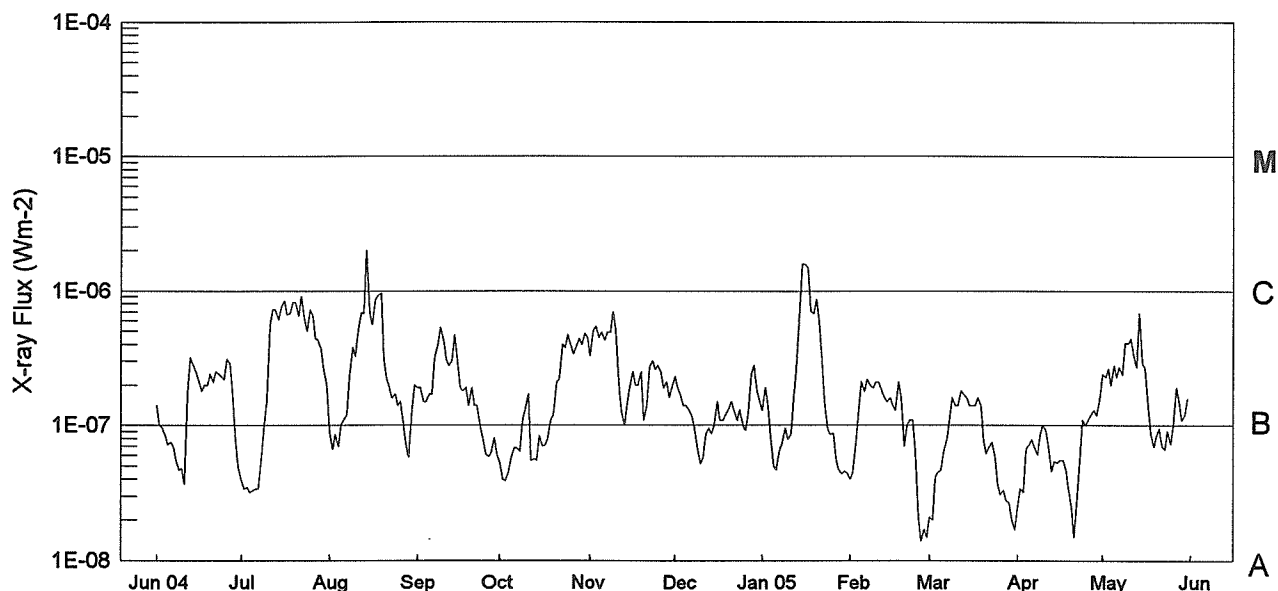
GOES X-RAY DETECTOR May 2005



GOES X-RAY DETECTOR May 2005



Preliminary GOES Satellite Daily X-Ray Background Jun 2004 - May 2005



Day	Jun 04	Jul	Aug	Sep	Oct	Nov	Dec	Jan 05	Feb	Mar	Apr	May
1	B1.4	A3.9	A9.1	B1.9	A4.0	B3.3	B2.3	B1.3	A4.0	A2.1	A2.5	B2.4
2	B1.0	A3.4	A6.6	B1.9	A3.9	B5.1	B1.9	B1.9	A4.5	A2.0	A3.4	B2.3
3	A9.7	A3.5	A8.5	B1.5	A4.5	B5.4	B1.7	B1.4	A7.6	A4.1	A3.2	B2.6
4	A8.5	A3.2	A7.0	B1.5	A5.7	B4.5	B1.4	A8.3	B1.3	A4.5	A6.6	B2.0
5	A7.2	A3.3	B1.0	B1.7	A6.8	B4.9	B1.4	A5.0	B2.1	A4.7	A7.1	B2.8
6	A7.5	A3.4	B1.1	B1.7	A6.8	B4.3	B1.3	A4.7	B1.8	A6.4	A7.8	B2.3
7	A6.9	A3.4	B1.2	B3.2	A6.4	B4.9	B1.2	A6.5	B2.2	A7.8	A6.9	B2.7
8	A5.5	A5.9	B2.3	B4.0	B1.1	B4.9	A9.2	A7.3	B2.0	B1.1	A6.1	B2.4
9	A4.7	B1.0	B3.8	B5.3	B1.3	B7.0	A6.8	A9.5	B1.9	B1.6	A8.5	B4.1
10	A4.8	B1.5	B3.3	B4.3	B1.7	B5.2	A5.2	A7.9	B2.1	B1.4	B1.0	B4.1
11	A3.7	B5.7	B4.9	B3.1	A5.5	B2.1	A5.8	A8.6	B2.1	B1.4	A9.2	B4.4
12	B1.7	B7.3	B6.9	B2.8	A5.6	B1.3	A8.5	B1.6	B1.8	B1.8	A6.9	B3.4
13	B3.2	B7.2	B6.8	B3.0	A5.5	B1.0	A9.5	B2.6	B1.6	B1.7	A4.6	B2.7
14	B2.8	B6.1	C2.0	B4.7	A8.3	B1.4	A8.7	B7.3	B1.5	B1.6	A5.4	B6.8
15	B2.5	B7.5	B7.0	B3.2	A7.0	B1.9	B1.0	C1.6	B1.6	B1.4	A5.3	B2.9
16	B2.1	B8.4	B5.6	B1.9	A7.1	B2.5	B1.5	C1.6	B1.4	B1.4	A5.5	B2.7
17	B1.8	B6.7	B8.7	B1.8	A7.9	B2.0	B1.1	C1.5	B1.3	B1.4	A5.5	B1.4
18	B2.0	B6.8	B9.2	B1.9	B1.1	B2.0	B1.1	B7.1	B2.1	B1.6	A4.8	A8.8
19	B2.0	B8.2	B9.7	B1.4	B1.2	B2.5	B1.2	B6.8	B1.6	B1.4	A3.5	A6.9
20	B2.4	B8.2	B3.2	B1.9	B2.1	B1.1	B1.3	B8.7	A7.0	A7.7	A2.5	A8.4
21	B2.1	B6.5	B2.3	B1.4	B2.2	B1.4	B1.5	B6.2	A9.9	A6.2	A1.5	A9.4
22	B2.5	B9.1	B1.9	B1.4	B4.0	B2.7	B1.3	B3.0	B1.1	A6.9	A2.6	A6.9
23	B2.4	B6.2	B1.6	A9.8	B3.8	B3.0	B1.1	B1.5	B1.1	A7.5	A5.5	A6.6
24	B2.3	B5.0	B1.7	A8.1	B4.7	B2.6	B1.3	A9.3	A6.4	A5.8	B1.1	A9.1
25	B2.2	B7.2	B1.4	A6.1	B3.9	B2.8	B1.0	A8.6	A2.1	A3.7	B1.0	A7.3
26	B3.1	B6.6	B1.5	A5.9	B3.4	B2.5	A9.2	A8.7	A1.4	A3.1	B1.1	A9.9
27	B2.9	B4.4	B1.0	A6.2	B3.9	B1.9	B1.2	A5.6	A1.7	A3.3	B1.2	B1.9
28	B1.7	B4.3	A7.1	A8.1	B4.4	B2.1	B2.4	A4.7	A1.5	A2.8	B1.3	B1.5
29	A7.3	B3.7	A5.8	A6.1	B4.0	B1.6	B2.8	A4.4		A2.7	B1.2	B1.1
30	A4.8	B2.6	B1.3	A5.4	B4.8	B1.9	B1.8	A4.6		A2.0	B1.6	B1.2
31		B2.0	B2.0		B4.5		B1.5	A4.4		A1.7		B1.6

Levels below B1.0 are unreliable.

ACTIVE PROMINENCES AND FILAMENTS

31
May 05

MAY 2005

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
06	DSF	0047U	1613U	N19	E41	05	9.2		09	0	0	E	HOLL		
08	EPL	1632	1654	N16	W90	05	1.9	1		8	8	E	HOLL		
09	DSF	0925U	2332U	N10	E10	05	10.1	2		0	0	E	LEAR		
10	DSF	1847	2320	S21	E07	05	11.3	3	12	9	9	E	HOLL		
14	DSF	0114	1256	S42	E41	05	17.4		17	0	0	E	HOLL		
15	BSL	0950E	1031	S10	W90	05	8.6			6	4	E	SVTO	0758	
16	DSF	2108U	1258U	N12	W19	05	15.4		17	0	0	E	HOLL	0759	
31	DSF	0130U	1238U	N12	W14	05	30.0		06	0	0	E	HOLL		

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

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

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

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

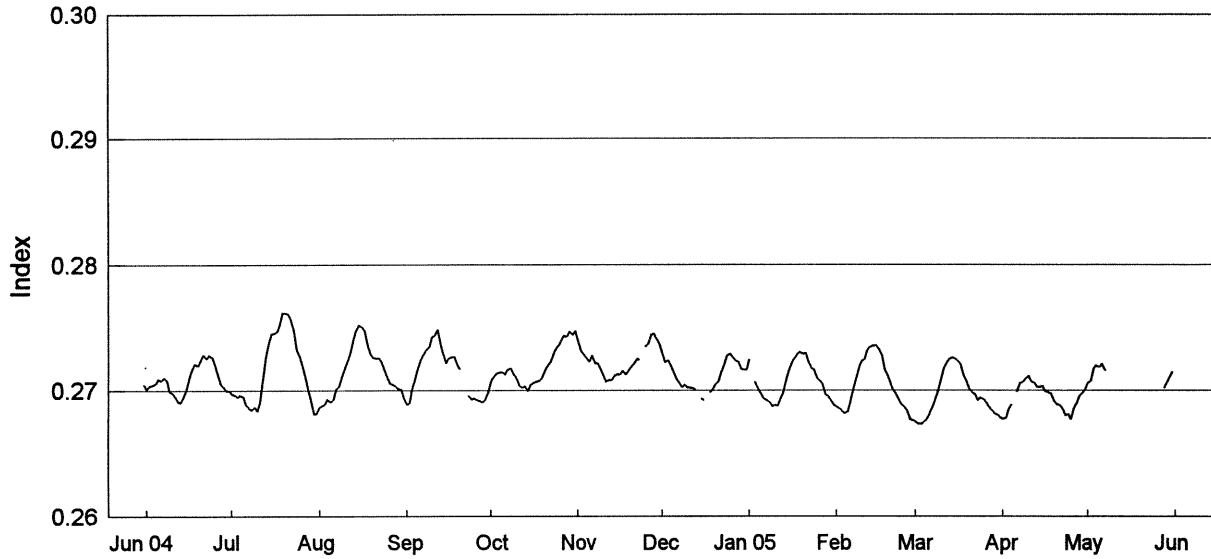
Observation Type: C= Cinematographic, E= Electronic, P= Photographic, V= Visual.

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

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

NOAA Solar Ultraviolet (UV) MgII Core-to-Wing Index

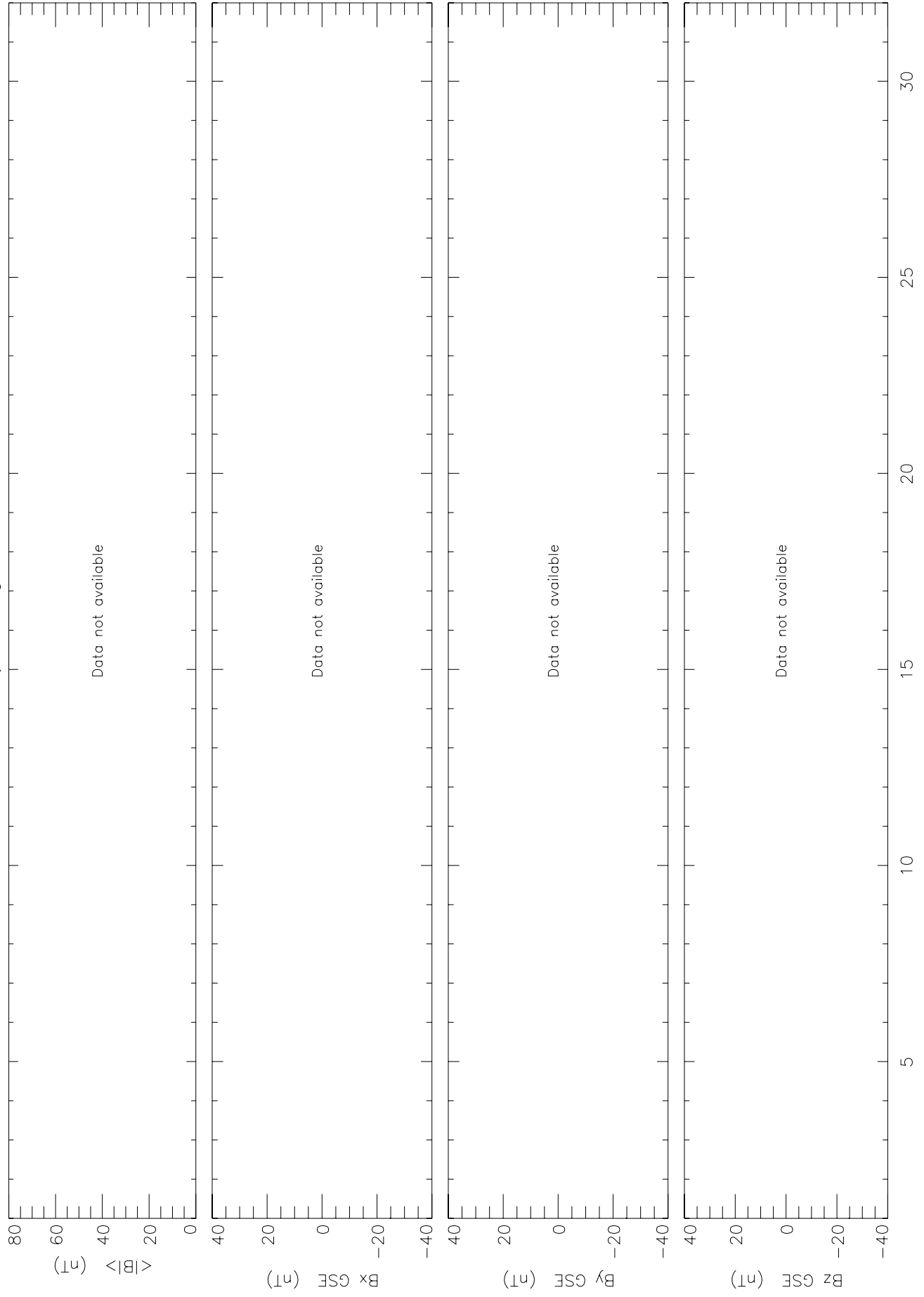
Jun 2004 - May 2005
Version 9.1



Day	Jun 04	Jul	Aug	Sep	Oct	Nov	Dec	Jan 05	Feb	Mar	Apr	May
1	0.2701	0.2697	0.2686	0.2689	0.2707	0.2739	0.2729	0.2724	0.2687	0.2675	0.2677	0.2706
2	0.2704	0.2697	0.2688	0.2690	0.2711	0.2731	0.2723	---	0.2685	0.2673	0.2678	0.2707
3	0.2705	0.2695	0.2689	0.2701	0.2713	0.2729	0.2724	0.2707	0.2683	0.2673	0.2685	0.2718
4	0.2706	0.2696	0.2693	0.2709	0.2715	0.2725	0.2720	0.2702	0.2682	0.2674	0.2689	0.2720
5	0.2709	0.2695	0.2691	0.2717	0.2714	0.2722	0.2714	0.2697	0.2683	0.2677	---	0.2719
6	0.2708	0.2689	0.2692	0.2724	0.2712	0.2728	0.2709	0.2694	0.2691	0.2681	0.2699	0.2721
7	0.2710	0.2686	0.2701	0.2728	0.2717	0.2721	0.2705	0.2693	0.2701	0.2687	0.2706	0.2715
8	0.2707	0.2684	0.2703	0.2732	0.2718	0.2721	0.2702	0.2691	0.2709	0.2693	0.2706	---
9	0.2700	0.2686	0.2711	0.2735	0.2713	0.2717	0.2704	0.2687	0.2719	0.2698	0.2709	---
10	0.2698	0.2683	0.2718	0.2742	0.2709	0.2712	0.2702	0.2689	0.2724	0.2708	0.2712	---
11	0.2695	0.2690	0.2724	0.2743	0.2704	0.2707	0.2702	0.2687	0.2725	0.2718	0.2708	---
12	0.2691	0.2706	0.2730	0.2748	0.2702	0.2708	0.2702	0.2692	0.2732	0.2722	0.2706	---
13	0.2691	0.2726	0.2739	0.2737	0.2703	0.2708	0.2701	0.2698	0.2734	0.2725	0.2703	---
14	0.2696	0.2736	0.2746	0.2729	0.2700	0.2712	---	0.2707	0.2736	0.2726	0.2703	---
15	0.2701	0.2745	0.2752	0.2721	0.2705	0.2713	0.2693	0.2716	0.2736	0.2725	0.2703	---
16	0.2711	0.2745	0.2750	0.2725	0.2706	0.2712	0.2692	0.2722	0.2732	0.2723	0.2700	---
17	0.2718	0.2746	0.2747	0.2727	0.2707	0.2715	---	0.2726	0.2728	0.2721	0.2699	---
18	0.2721	0.2752	0.2737	0.2726	0.2708	0.2712	0.2698	0.2728	0.2717	0.2712	0.2697	---
19	0.2720	0.2761	0.2728	0.2719	0.2709	0.2716	0.2700	0.2731	0.2712	0.2708	0.2692	---
20	0.2724	0.2761	0.2726	0.2717	0.2715	0.2719	0.2704	0.2729	0.2706	0.2701	0.2689	---
21	0.2728	0.2760	0.2726	---	0.2719	0.2721	0.2707	0.2729	0.2701	0.2699	0.2689	---
22	0.2725	0.2756	0.2726	---	0.2722	0.2725	0.2714	0.2723	0.2698	0.2697	0.2685	---
23	0.2728	0.2747	0.2722	0.2695	0.2727	0.2724	0.2720	0.2718	0.2693	0.2692	0.2680	---
24	0.2726	0.2733	0.2717	0.2693	0.2732	---	0.2727	0.2716	0.2689	0.2694	0.2681	---
25	0.2720	0.2727	0.2710	0.2694	0.2736	0.2735	0.2729	0.2710	0.2686	0.2693	0.2677	---
26	0.2714	0.2719	0.2706	0.2692	0.2739	0.2737	0.2726	0.2707	0.2684	0.2690	0.2685	---
27	0.2705	0.2712	0.2705	0.2692	0.2743	0.2744	0.2724	0.2705	0.2677	0.2687	0.2689	---
28	0.2703	0.2701	0.2704	0.2690	0.2743	0.2745	0.2723	0.2697	0.2676	0.2684	0.2695	0.2702
29	0.2700	0.2692	0.2702	0.2693	0.2746	0.2741	0.2717	0.2695	---	0.2682	0.2697	0.2706
30	0.2700	0.2681	0.2701	0.2699	0.2744	0.2736	0.2716	0.2691	---	0.2680	0.2700	0.2710
31	---	0.2681	0.2694	---	0.2747	---	0.2716	0.2689	---	0.2678	---	---
Mean	0.2709	0.2716	0.2715	0.2715	0.2719	0.2723	0.2723	0.2707	0.2707	0.2697	0.2694	0.2712

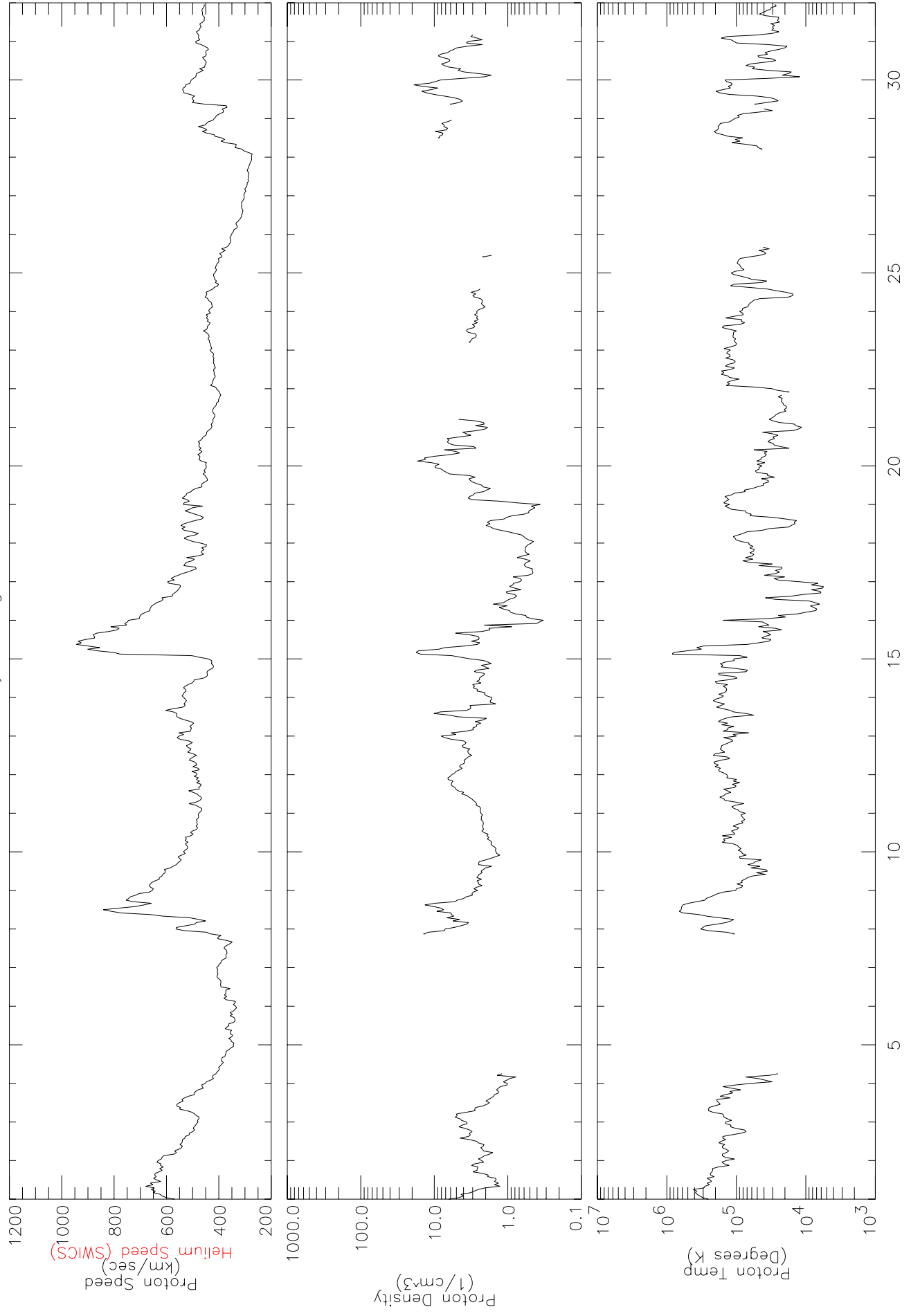
Data at: <http://www.sec.noaa.gov/ftpmenu/sbuv.html>

Interplanetary Magnetic Field
ACE LEVEL2 DATA Hourly Averages for MAY 2005, from MAG



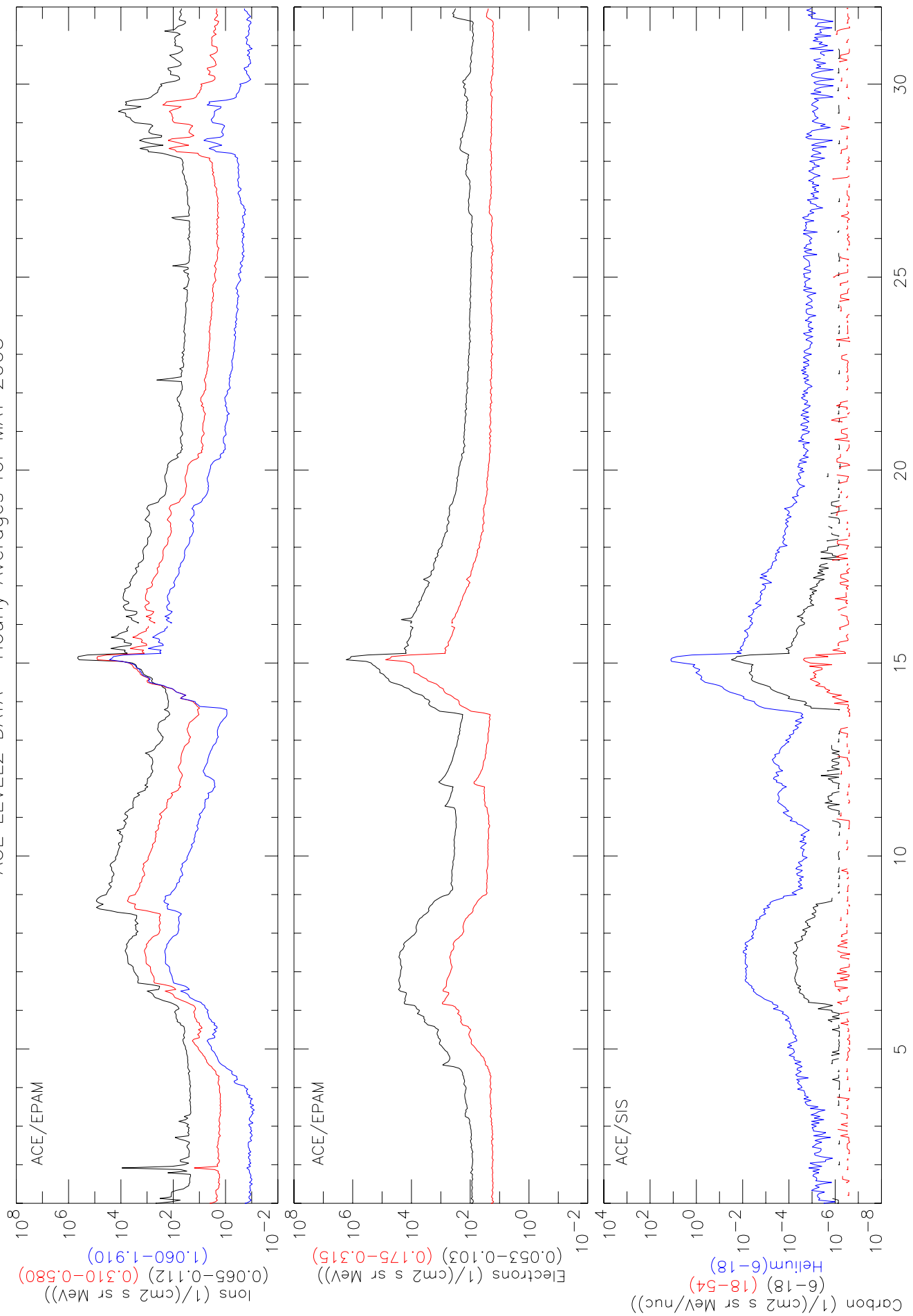
DAYS OF MAY 2005

ACE LEVEL2 DATA Solar Wind Plasma Hourly Averages for MAY 2005, from SWEPAM



DAYS OF MAY 2005

Solar Energetic Particles Hourly Averages for MAY 2005



DAYS OF MAY 2005

SOLAR CORONAL MASS EJECTIONS (CMEs) FROM SOHO/LASCO

<http://cdaw.gsfc.nasa.gov/>

Center for Solar Physics and Space Weather (CSPSW) – The Catholic University of America/NRL/NASA
MAY 2005

First C2 Appearance		Central Width			Linear Fit			Measurement		
Date	Time UT	Position Angle degree	Angular Width degree	Speed km/s	Initial km/s	Final km/s	20R km/s	Accel m/s ²	Position Angle degree	Remarks
2005/05/01	00:50:05	Halo	360	634	681	586	603	-4.3	124	
2005/05/01	09:50:05	124	141	440	306	571	1181	55.6*	132	C2 Partial Halo
2005/05/01	15:50:05	257	58	215	146	282	748	22.6*	258	Only C2
2005/05/01	19:27:20	305	66	157	59	256	434	7.8*	315	
2005/05/01	19:50:05	91	69	414	416	411	408	-0.3*	80	
2005/05/02	05:26:06	Halo	360	689	735	640	662	-4.5	74	
2005/05/02	12:50:05	70	28	510	524	495	494	-1.3	73	
2005/05/02	13:27:19	284	110	314	151	487	434	6.9	265	
2005/05/02	21:26:08	44	60	197	122	268	704	20.3*	48	Only C2
2005/05/02	22:26:22	105	148	955	674	1224	1151	35.7	137	Partial Halo
2005/05/03	14:26:05	102	19	367	462	264	33	-8.9*	106	
2005/05/03	17:26:05	41	190	632	561	712	666	5.3	60	Partial Halo
2005/05/04	03:29:58	277	17	278	247	313	402	4.3*	275	
2005/05/04	06:53:57	251	60	204	157	251	583	13.1*	251	Only C2
2005/05/04	13:54:20	108	86	634	633	635	635	0.1	109	
2005/05/04	16:27:34	35	22	426	568	292	0	-23.0*	41	
2005/05/04	22:30:05	251	70	266	205	329	441	6.4	243	
2005/05/05	05:54:05	86	56	248	234	263	415	5.0*	93	Only C2
2005/05/05	06:30:05	259	60	21	----	----	----	-----	259	Only C2
2005/05/05	20:30:05	Halo	360	1180	1193	1168	1174	-1.9	82	
2005/05/05	20:58:42	292	52	427	493	358	297	-6.8	277	
2005/05/06	02:30:05	290	15	578	----	----	----	-----	287	
2005/05/06	03:30:05	280	109	1120	1136	1101	1114	-2.2	298	
2005/05/06	10:30:19	255	74	244	296	194	0	-20.0	247	Only C2
2005/05/06	11:54:28	277	129	1144	1280	993	1086	-23.3	303	Partial Halo
2005/05/06	17:28:31	Halo	360	1128	1383	863	1067	-38.1	119	
2005/05/06	20:54:06	253	51	239	280	195	0	-6.8*	248	
2005/05/06	22:30:05	182	77	283	204	370	365	4.0*	184	
2005/05/06	23:30:05	256	62	525	753	276	0	-28.0	267	
2005/05/07	01:31:48	253	41	266	349	185	0	-47.0*	250	Only C2
2005/05/07	03:54:08	356	111	195	----	----	----	-----	346	
2005/05/07	08:30:05	255	87	901	1106	688	780	-27.9	276	
2005/05/08	06:30:05	253	59	297	334	259	257	-2.0*	245	
2005/05/08	09:54:06	107	7	427	99	784	2116	184.0*	108	3 points/Only C2
2005/05/08	15:54:05	252	84	892	999	788	760	-20.5	273	
2005/05/08	18:06:05	118	30	439	562	302	151	-13.7*	123	
2005/05/08	20:06:05	287	26	712	892	527	551	-21.0	285	
2005/05/09	01:31:46	285	20	704	894	507	0	-62.3	290	
2005/05/09	02:30:07	283	35	678	822	526	617	-12.8	290	
2005/05/09	05:30:05	285	24	526	451	596	704	12.1*	286	
2005/05/09	09:54:05	287	32	635	638	632	628	-0.6	283	
2005/05/09	13:31:46	284	53	433	516	350	0	-12.6*	286	
2005/05/09	13:54:05	91	108	566	511	630	598	4.1	92	
2005/05/10	00:54:05	90	19	399	478	318	0	-9.9*	96	
2005/05/10	03:54:06	276	12	576	691	460	0	-22.8*	270	
2005/05/10	06:06:05	222	47	324	332	316	297	-0.9*	217	
2005/05/10	08:06:05	285	16	614	602	627	683	4.4*	283	
2005/05/10	08:30:05	334	10	420	----	----	----	-----	332	Only C2

SOLAR CORONAL MASS EJECTIONS (CMEs) FROM SOHO/LASCO

<http://cdaw.gsfc.nasa.gov/>

Center for Solar Physics and Space Weather (CSPSW) – The Catholic University of America/NRL/NASA
MAY 2005

First C2 Appearance		Central Width			Linear Fit			-----2nd order speed-----		Accel	Measurement	
Date	Time UT	Position Angle degree	Angular Width degree	Speed km/s	Initial km/s	Final km/s	20R km/s		m/s ²	Position Angle degree	Remarks	
2005/05/10	16:06:05	Halo	360	609	681	535	441		-11.1	275		
2005/05/10	19:31:44	286	38	442	569	310	0		-15.2*	291		
2005/05/10	20:58:43	87	41	403	387	420	423		1.2	95		
2005/05/11	01:31:47	282	32	320	361	277	271		-2.5*	281		
2005/05/11	04:30:05	215	60	295	282	307	391		3.0*	215		
2005/05/11	07:31:45	236	95	305	338	272	249		-2.2	238		
2005/05/11	20:13:08	Halo	360	550	603	495	495		-5.4	232		
2005/05/12	03:52:06	91	16	279	----	----	----		-----	89	Only C2	
2005/05/12	04:52:05	290	10	387	436	337	0		-21.1*	287		
2005/05/12	14:22:06	230	39	139	135	142	183		0.6*	231	Only C2	
2005/05/12	17:52:07	340	50	318	284	350	540		9.0*	334	Only C2	
2005/05/12	21:52:05	348	9	621	----	----	----		-----	349	2 points/Only C2	
2005/05/12	23:22:07	335	24	325	----	----	----		-----	332	Only C2	
2005/05/12	23:22:07	87	65	188	142	234	519		10.6*	88	Only C2	
2005/05/13	17:12:05	Halo	360	1689	----	----	----		-----	2	2 points/Only C3	
2005/05/14	17:52:37	38	27	375	297	449	773		21.6*	35	Only C2	
2005/05/14	20:56:52	261	115	786	750	821	1037		21.4*	250	3 points/Only C2	
2005/05/15	10:50:05	231	13	280	----	----	----		-----	229	Only C2	
2005/05/15	23:26:06	334	45	186	----	----	----		-----	326		
2005/05/16	03:06:07	108	15	201	----	----	----		-----	111	Only C2	
2005/05/16	13:50:07	331	140	405	394	417	413		0.6	311	Partial Halo	
2005/05/16	14:50:05	256	80	222	312	128	0		-18.7	249	Only C2	
2005/05/16	20:54:25	324	42	320	----	----	----		-----	330		
2005/05/17	03:06:05	252	89	311	280	343	462		5.5*	246		
2005/05/17	04:06:06	320	7	505	----	----	----		-----	318		
2005/05/17	07:27:17	117	30	184	156	211	411		6.0*	112	Only C2	
2005/05/17	12:06:05	281	39	226	----	----	----		-----	273	Only C2	
2005/05/17	21:26:08	256	8	180	----	----	----		-----	256	Only C2	
2005/05/17	21:26:08	102	18	327	----	----	----		-----	109	Only C2	
2005/05/17	23:26:05	234	24	120	----	----	----		-----	233	Only C2	
2005/05/18	00:26:05	144	83	336	305	366	419		3.5*	147		
2005/05/18	02:06:05	252	109	463	500	424	421		-3.0	251		
2005/05/19	04:50:06	282	40	221	202	242	378		4.2*	279	Only C2	
2005/05/19	14:50:05	286	37	273	299	248	209		-2.1*	281		
2005/05/19	20:50:05	2	8	----	----	----	----		-----	4	1 points/Only C2	
2005/05/19	22:06:05	283	39	633	582	687	773		11.3*	277		
2005/05/20	01:27:17	183	14	417	----	----	----		-----	188	Only C2	
2005/05/20	02:26:05	111	28	145	91	195	404		6.6*	109	Only C2	
2005/05/20	03:26:05	338	8	382	----	----	----		-----	336	2 points/Only C2	
2005/05/20	03:26:05	183	11	288	----	----	----		-----	186	Only C2	
2005/05/20	06:26:05	167	147	223	----	----	----		-----	154	Partial Halo	
2005/05/20	22:26:06	274	65	389	322	458	449		4.1	275		
2005/05/20	23:06:05	55	69	150	0	281	297		3.8*	51		
2005/05/21	06:26:05	207	189	372	----	----	----		-----	170	Partial Halo	
2005/05/21	13:27:18	233	160	308	299	317	320		0.6	219	Partial Halo	

SOLAR CORONAL MASS EJECTIONS (CMEs) FROM SOHO/LASCO

<http://cdaw.gsfc.nasa.gov/>

Center for Solar Physics and Space Weather (CSPSW) – The Catholic University of America/NRL/NASA
MAY 2005

First C2 Appearance		Central Width			Linear Fit			Measurement		
Date	Time UT	Position Angle degree	Angular Width degree	Speed km/s	Initial km/s	Final km/s	20R km/s	Accel m/s ²	Position Angle degree	Remarks
2005/05/21	20:06:05	203	90	273	305	238	206	-2.1*	199	
2005/05/23	12:50:05	237	3	331	----	----	----	-----	239	2 points/Only C2
2005/05/23	17:26:05	241	17	211	----	----	----	-----	244	Only C2
2005/05/24	01:27:18	106	28	168	----	----	----	-----	104	Only C2
2005/05/24	05:50:05	107	40	147	104	188	418	6.8*	105	Only C2
2005/05/24	08:50:05	104	44	104	96	111	213	1.5*	103	Only C2
2005/05/24	12:50:05	108	121	162	0	371	319	4.5*	104	Partial Halo
2005/05/24	14:06:05	311	56	297	311	283	160	-3.0*	314	
2005/05/25	06:26:05	349	7	357	----	----	----	-----	343	Only C2
2005/05/25	14:26:06	31	11	302	379	225	0	-30.7*	30	Only C2
2005/05/25	20:00:42	244	32	226	----	----	----	-----	248	
2005/05/26	13:27:19	233	44	717	764	668	675	-5.7	243	
2005/05/26	15:06:05	Halo	360	586	606	565	575	-1.6	275	
2005/05/26	21:26:10	144	199	420	441	401	392	-1.8	61	Partial Halo
2005/05/26	22:26:05	236	36	401	279	522	489	6.9*	239	
2005/05/27	00:26:05	210	139	263	120	408	512	10.3	208	Partial Halo
2005/05/27	06:26:27	112	56	293	310	277	266	-1.1	106	
2005/05/27	08:26:05	104	26	503	599	413	0	-22.4*	107	
2005/05/27	08:26:05	304	29	294	224	366	394	4.5	297	
2005/05/27	09:50:05	105	23	786	962	614	0	-96.6*	109	Only C2
2005/05/27	09:50:05	231	26	447	513	379	269	-8.0*	231	
2005/05/27	11:50:05	118	48	555	532	577	593	3.2*	107	
2005/05/27	16:06:05	301	38	256	----	----	----	-----	296	Only C2
2005/05/27	17:50:05	107	31	314	396	225	0	-12.7*	106	
2005/05/27	21:26:08	107	30	516	680	368	0	-40.7	111	
2005/05/28	01:32:08	294	45	404	306	506	488	7.3	305	
2005/05/28	09:32:08	82	31	275	138	410	935	35.9*	78	Only 3 points
2005/05/28	14:32:08	301	28	388	266	512	486	7.6*	293	
2005/05/28	15:32:11	114	51	486	585	387	0	-18.1*	121	
2005/05/28	18:32:10	79	22	151	130	172	290	2.9*	79	
2005/05/29	00:32:09	120	31	462	467	458	451	-0.6*	122	
2005/05/29	11:32:08	321	30	150	----	----	----	-----	317	
2005/05/29	12:32:09	84	41	322	292	350	354	1.8*	87	
2005/05/29	16:32:10	82	52	375	468	270	236	-7.8	87	
2005/05/30	00:32:09	81	67	301	308	294	229	-1.9*	83	
2005/05/30	09:38:12	276	94	305	256	354	324	2.4	278	Only C3
2005/05/30	13:32:08	8	258	191	176	209	207	0.5	59	Partial Halo
2005/05/30	19:32:08	285	19	199	----	----	----	-----	286	
2005/05/30	20:32:08	111	38	186	165	205	215	0.8	113	
2005/05/31	04:32:09	264	58	58	----	----	----	-----	271	
2005/05/31	11:32:08	42	16	422	----	----	----	-----	44	3 points/Only C2
2005/05/31	15:32:10	289	134	313	357	269	245	-2.9	327	Partial Halo
2005/05/31	19:32:08	61	35	155	138	171	305	3.1*	56	Only C2
2005/05/31	19:32:08	114	38	203	198	207	230	0.6*	115	