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Solar-Geophysical Data

(Comprehensive Reports)

Number 308—Part II
for October 1969
September 1969
& Miscellanea

DATA COMPILED BY AERONOMY AND SPACE DATA CENTER
BOULDER, COLORADO

WASHINGTON, D.C.

APRIL 1970

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

Table of Contents

	Page
Part I	
Index for 1969 and 1970	2
Data for March 1970	3-27
Data for February 1970	29-102
Part II	
Index for 1969 and 1970	2
Data for October 1969	3-86
Data for September 1969	87-94

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For obtaining bulletins on a data exchange basis, send request to World Data Center A, Upper Atmosphere Geophysics, ESSA, Boulder, Colorado 80302.

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INDEX FOR 1969 - 1970 DATA PUBLISHED IN "SOLAR-GEOPHYSICAL DATA"

	1969				1970		
	Sep	Oct	Nov	Dec	Jan	Feb	Mar
American Relative Sunspot Numbers R_A	302	303	304	305	306	307	308
Zürich Provisional Relative Sunspot Numbers R_Z	302	303	304	305	306	307	308
Zürich Final Sunspot Numbers R_Z	307	307	307	307			
2800 MHz - Daily Values of Solar Flux (ARO-Ottawa)	302	303	304	305	306	307	308
2800 MHz - Daily Values of Adjusted Solar Flux (ARO-Ottawa)	302	303	304	305	306	307	308
15,400, 8800, 4995, 2695, 1415, 606, 245 MHz Adj. Solar Flux (AFCRL)	302	303	304	305	306	307	308
Mt. Wilson Magnetic Characteristics of Sunspots	303	304	305	306	307	308	
Mt. Wilson Magnetograms	303	304	305	306	307	308	
H α (Boulder or Sacramento-Peak or Ramey)	303	304	305	306	307	308	
Sunspots (Boulder)	303	304	305	306	307	308	
Calcium Plage Maps (McMath-Hulbert or Catania)	303	304	305	306	307	308	
Calcium Plage and Sunspot Regions	303	304	305	306	307	308	
Coronal Line Emission	303	304	305	306	307	308	
Optical Observations Flares	302	303	304	305	306	307	308
Optical Observations Flares (Including Standardized Data)	307	308					
Flare Indices	307	308					
Flare Patrol Observations (partial listing)	302	303	304	305	306	307	308
Flare Patrol Observations (comprehensive)	307	308					
Solar X-ray Spectroheliograms (OSO-5)	303	304	305	306	307	308	
Solar X-ray Radiation (Explorer 37) (Graphs)	307	308					
Solar X-ray Radiation (Explorer 37)	303	304	305	306	307	308	
Solar X-ray Radiation (Explorers 33 & 35)	307						
Solar Protons (Explorer 41)	307	308					
Cosmic Ray Protons (Pioneers 6 & 7)	302	303	304	305	306	307	308
Cosmic Ray Protons (Pioneers 8 & 9)				305	306	307	308
Cosmic Ray Protons (ATS-1)					306	307	308
Solar Wind (Pioneers 6 & 7)*	302	303	304&306	305&306	306	307	308
Solar Wind (Vela 3 & 5)	302	303	304	305	306	307	308
20-60 MHz - (Clark Lake Radio Observatory)						308	
Sudden Ionospheric Disturbances	302	303	304	305	306	307	308
Solar Radio Waves - Fixed Frequencies - Worldwide	307	308					
408 MHz - Interferometric Observations (Nancay)	302	303	304	305	306	307	308
169 MHz - Interferometric Observations (Nancay)	302	303	304	305	306	307	308
30-1000 MHz - (Weissenau, G.F.R.)	303	304	305	306	307	308	
10-580 MHz - (Fort Davis)	303	304	305	306	307	308	
8-2000 MHz - (Culgoora)	303	304	305	306	307	308	
7.6-80 MHz - (University of Colorado)	303	304	305	306	307	308	
19-41 MHz - (AFCRL, Sagamore Hill)	303	304	305	306	307	308	
9.1 cm Spectroheliograms (Stanford)	303	304	305	306	307	308	
21 cm Spectroheliograms (Fleurs)	303	304	305	306	307	308	
10.7 cm Solar Scans (Ottawa-ARO)	302	303	304	305	306	307	308
21 cm Solar Scans (Fleurs)	302	303	304	305	306	307	308
43 cm Solar Scans (Fleurs)	302	303	304	305	306	307	308
Cosmic Ray Neutron Counts (Deep River)	303	304	305	306	307	308	
Cosmic Ray Neutron Counts (Alert)	303	304	305	306	307	308	
Cosmic Ray Neutron Counts (Churchill)							
Cosmic Ray Neutron Counts (Climax)	303	304	305	306	307	308	
Cosmic Ray Neutron Counts (Dallas)							
Geomagnetic Indices C_i , C_p , K_p , A_p - Selected Days	303	304	305	306	307	308	
Principal Magnetic Storms	303	304	305	306	307	308	
Reduced Magnetograms	307						
Sudden Commencement and Solar Flare Effects	304	307	307	307			
27-Day Chart of K_p Indices for Year	306	306	306	306			
27-Day Chart of C_9 for Year	306	306	306	306			
High Latitude Quality Figures and Forecasts	303	304	305	306	307	308	
High Latitude Comparison Graphs	303	304	305	306	307	308	
Graphs of Transmission Frequency Range	303	304	305	306	307	308	
Quality Figures based on Frequency Ranges					306	307	308
IUWDS Alert Decisions	302	303	304	305	306	307	308
Abbreviated Calendar Record	308						

* Solar Wind for December 1965 - December 1966 published in SGD-306
and for January 1967 - October 1967 in SGD-305.

Table of Contents
for October 1969 Data

	Page
<u>Solar Flares</u>	
Confirmed Solar Flares	4-27
Flare Indices	27
Unconfirmed Solar Flares	28-37
No-Flare-Patrol Chart	38
<u>Solar Radio Waves</u>	
Worldwide Outstanding Occurrences at Fixed Frequencies	39-63
Selected Solar Noise Bursts	64
<u>Solar X-ray Radiation</u>	
University of Iowa - Satellite Explorers 33 and 35 Not available at time of publication - will be published later.	
Naval Research Laboratory - Explorer 37	65-80
<u>Solar Proton Monitoring</u>	81-86

For explanations of the data contained herein see "Descriptive Text"
published in February 1970.

4
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
					LAT.	MER. DIST.														
	1969 OCT																			
618 PALE	01	0236	0335	0237	S13	E28	.561	10344	3.2	59	--F	C		1.43				3		
619 PALE	01	0240	0256	0248	N14	E66	.907	10351	6.1	16	--N	C		.18				3		
GRP25622	01	0810	0832	0817	S16	W20	.502	10337	29.8	22	--F			1.07				6 6 6 10		
CAPE	01	0809	0823	0814	S15	W22	.512	10337	29.7	14	-F	C	0814	.99	1.10					
BUCA	01	0810E	0830D	0816	S14	W21	.491	10337	29.8	200	1F	C	0816	2.21	2.60					
CRIM	01	0810	0825	0815	S16	W22	.522	10337	29.7	15	-F	C	0815	.90	1.10			D		
HTPR	01	0817E	0828		S15	W20	.491	10337	29.8	110	-F	C	0817	.93	1.00					
ABST	01	0819E	0900	0819	S19	W12	.474	10337	30.4	410	-N	P	0819	.90	1.00		61	D		
CATA	01	0820E	0825	0820	S16	W21	.512	10337	29.8	50	-N		0820	.46	.54		200			
GRP25623	01	0754	0847	0813	N07	W59	.853	10333	26.9	53	1N			1.27				9 9 8 11		
NERA	01	0752E	0815D	0811	N09	W60	.861	10333	26.8	230	1N	2								
CRIM	01	0754	0900	0815	N07	W58	.844	10333	27.0	66	1	C	0815	1.17	2.30			D		
CAPE	01	0754	0855	0805	N07	W59	.853	10333	26.9	61	1N	C	0805	1.72	3.20					
HTPR	01	0755	0855	0809	N07	W57	.834	10333	27.1	60	-N	C	0809	1.03	1.70					
BUCA	01	0755E	0900D	0820	N07	W59	.853	10333	26.9	650	1F	C	0820	2.21	3.50					
CRON	01	0756	0830	0804	N07	W59	.853	10333	26.9	34	1N	C		1.30	2.50			L		
HURB	01	0817E	0841		S02	W56	.835	10333	27.1	240	1N					2.40				
ABST	01	0819E	0830	0819	N07	W59	.853	10333	26.9	110	-F	P	0819	.90	1.70		49	D		
CATA	01	0820E	0840	0820	N05	W57	.836	10333	27.1	200	-B		0820	.58	1.06		295			
25623	01	0835	0854	0836	N07	W57	.834	10333	27.1	19	*-F			1.74				3 2 2 11		
KODA	01	0805E	0857	0832	N06	W57	.835	10333	27.1	520	-F	P	0832	1.77	1.77			CDK		
KHAR	01	0835	0850		N08	W58	.843	10333	27.0	15	1F	P	0840	1.70	3.20	2.00		D		
CAPS	01	0850E	0850D		N07	W56	.825	10333	27.2		1F	1	S					B		
GRP25625	01	1026	1225	1030	S11	E23	.484	10344	3.2	119	--N			.86				3 3 3 9		
CAPS	01	1023E	1225D		S10	E25	.500	10344	3.3	1220	-N	3	V	1025	1.00	1.20	170			
CATA	01	1025	1050	1030	S12	E23	.493	10344	3.2	25	-N			1030	.29	.33	195			
UCCL	01	1030	1037D	1030	S12	E22	.482	10344	3.1	70	-N	P	1030	1.30	1.70			F		
CATA	01	1145	1210D	1155	S11	E24	.496	10344	3.3	250	-B		1155	.17	.20		209			
GRP25636	01	1805	1820	1810	S12	E21	.470	10344	3.3	15	--F			.50				3 3 2 5		
HUAN	01	1804E	1817		S13	E22	.492	10344	3.4	130	-F	1	C	1809	.37	.40		E		
BOUL	01	1805E	1828D	1808	S12	E20	.459	10344	3.3	230	-F		V							
SACP	01	1807	1816	1811	S12	E22	.482	10344	3.4	9	-F	C		.62	.63					
GRP25637	01	1854	1907	1858	S15	E13	.427	10344	2.8	13	--N			.86				5 5 4 5		
PALE	01	1852	1912	1858	S16	E12	.433	10344	2.7	20	-B	C		.58						
SACP	01	1854	1908	1858	S14	E13	.413	10344	2.8	14	-N	C		1.12	1.13					
MCMA	01	1855	1905	1857	S18	E14	.475	10344	2.8	10	-N	C	1857	.52	.60			E		
BOUL	01	1855	1905	1857	S14	E12	.405	10344	2.7	10	-N	V								
HOUT	01	1856	1904	1859	S15	E13	.427	10344	2.8	8	-N	C		1.20	1.30			E		
GRP25638	01	1951	2016	1955	N26	E90	.999	10352	8.6	25	1B			.76				3 3 2 4		
BOUL	01	1949E	2016	1954	N26	E90	.999	10352	8.6	270	1N	V								
PALE	01	1952	2021	1955	N25	E90	.999	10352	8.6	29	-B	C		.92						
HOUT	01	1953	2010	1956	N27	E90	.999	10352	8.6	17	1B	C		.60	2.40			I		
PALE	01	1954	2022	1955	N25	E89	.998	10352	8.5	28	-N	C		1.16						
GRP25640	01	2125	2138	2133	N27	E90	.999	10352	8.6	13	1B			.70				2 1 1 5		
HOUT	01	2125	2138D	2133U	N27	E90	.999	10352	8.6	130	1B	C		.70	2.80			I		
CULG	01	2126	2154	2144	N26	E87	.995	10352	8.4	28	1N	C	2144	.52						
GRP25642	01	2344	2359	2348	N26	E87	.995	10352	8.5	15	-B			.51				2 2 2 6		
CULG	01	2344	2357	2350	N26	E86	.994	10352	8.4	13	1N	C	2350	.52				T		
CRON	01	2344	0000	2346	N25	E88	.997	10352	8.6	16	-B	C		.50	1.70			I		
GRP25644	02	0033	0104	0037	N19	E56	.826	10351	6.2	31	--B			.39				2 2 2 6		
VORO	02	0032	0104	0038	N20	E56	.827	10351	6.2	32	-B	C	0038	.65	1.10		77	DJ		
PALE	02	0034	0047D	0036	N18	E55	.816	10351	6.1	130	-N	C		.13						
646 CULG	02	0312	0332	0322	N26	E84	.990	10352	8.4	20	1N	C	0322	1.13				T 2		
647 CULG	02	0434	0445	0442	N26	E84	.990	10352	8.5	11	1N	C	0442	.57				T 2		
GRP25655	02	0835	0859	0839	N26	E82	.985	10352	8.5	24	1F			1.40				4 4 2 8		
HURB	02	0808E	0850D		N27	E78	.972	10352	8.2	420	1N					2.20				
ISTA	02	0835	0915		N27	E85	.992	10352	8.7	40	-N									
MEUD	02	0835	0847	0839	N27	E82	.984	10352	8.5	12	-F	C	0839	.21						
MEUD	02	0835	0847	0844	N27	E82	.984	10352	8.5	12	-F									
KHAR	02	0842	0905		N23	E82	.985	10352	8.5	23	2F	P	0844	2.58		2.60		L		
GRP25656	02	0912	0935 (0925)		N25	E75	.959	10352	8.0	23	1N			2.00				2 1 1 6		
CAPS	02	0912E	0935D		N25	E75	.959	10352	8.0	230	1N	1	V	0925	2.00		170	C		
ZURI	02	0916E	0942	0936	N27	E80	.978	10352	8.4	260	1N	C	0936	1.78						

SOLAR FLARES
Confirmed
OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	1969 OCT																		
GRP25658	02	1037	1104	1049	S14	E01	.354	10343	2.5	27	-N				1.03				4 4 4 7
ZURI	02	1037	1058	1048	S14	E00	.353	10343	2.4	21	-N			C	1048	.95	1.00		
BUCA	02	1040E	1110D	1049	S13	E01	.337	10343	2.5	30D	-N			C	1049	1.10	1.20		
MONT	02	1041	1103	1047	S13	E03	.340	10343	2.7	22	-N			C	1047	2.06			
HURB	02	1041	1057		S13	E03	.340	10343	2.7	16	-F						1.70		
GRP25659	02	1121	1132	1124	N27	E86	.993	10352	8.9	11	-N				.42				3 3 3 8
HTPR	02	1117	1133	1124	N25	E88	.997	10352	9.1	16	-N			C	1124	.62			
MEUD	02	1121	1127	1122	N27	E82	.984	10352	8.6	6	-N			C	1122	.31			A
CATA	02	1125	1135D	1125	N28	E87	.995	10352	9.0	10D	-B				.34			251	
GRP25660	02	1140	1400	1237	N18	E45	.710	10351	5.9	140	--N				.65				3 2 2 5
HTPR	02	1140	1400	1238	N18	E45	.710	10351	5.9	140	-F			C	1238	.72	.90		E
CATA	02	1230E	1240D	1235	N18	E45	.710	10351	5.9	10D	-B				.58	.82		219	
HUAN	02	1321E	1355D		N14	E49	.751	10351	6.2	34D	-F	1	C	1335	.25	.40			E
GRP25661	02	1159	1247	1225	N05	W74	.959	10333	26.9	48	1N				1.02				4 3 2 6
MONT	02	1147	1158D	1150	N07	W75	.963	10333	26.9	11D	-N			C	1150	.77			
HTPR	02	1150	1250	1225	N03	W75	.965	10333	26.9	60	-F			C	1225	.93			
ZURI	02	1208	1244	1224	N03	W75	.965	10333	26.9	36	1N			C	1224	1.11			
CAPS	02	1220E	1227D		N08	W71	.942	10333	27.2	7D	1N	1	S						
GRP25662	02	1310	1330	1317	N06	W75	.963	10333	26.9	20	1N				1.51				3 3 2 6
ZURI	02	1309	1325	1318	N07	W78	.976	10333	26.7	16	1N			C	1318	1.47			
HTPR	02	1310	1333	1317	N05	W76	.968	10333	26.8	23	1N			C	1317	1.55			A
BOUL	02	1311	1332	1315	N07	W72	.948	10333	27.1	21	1F			V					
GRP25663	02	1350	1413	1358	N26	E82	.985	10352	8.7	23	-N				.48				4 4 3 7
SACP	02	1349	1412	1405	N27	E80	.978	10352	8.6	23	-N			C	.71	1.81			
BOUL	02	1349	1418	1353	N27	E80	.978	10352	8.6	29	-N			V					
HUAN	02	1350	1412		N25	E84	.990	10352	8.9	22	-F	1	C	1401	.21				D
HTPR	02	1351	1410	1355	N25	E84	.990	10352	8.9	19	-N			C	1355	.52			
HUAN	02	1416	1442	1419	N25	E86	.994	10352	9.0	26	-B	1	C	1419	.45				D
GRP25666	02	1541	1612	1550	S13	W38	.677	10337	29.8	31	--F				.49				2 2 2 5
ZURI	02	1541	1554	1550	S12	W36	.648	10337	30.0	13	-N			C	1550	.53	.70		
HUAN	02	1542E	1630D		S13	W40	.699	10337	29.7	48D	-F	1	C	1557	.45	.60			D
GRP25667	02	1553	1610	1554	S13	E07	.356	10344	3.2	17	--F				.50				4 4 3 5
SACP	02	1538	1637	1554	S13	E07	.356	10344	3.2	59	-N			C	.51	.51			
HUAN	02	1553	1605D		S14	E07	.372	10344	3.2	12D	-F	1	C	1600	.45	.50			E
ZURI	02	1553	1555	1554	S12	E09	.354	10344	3.3	2	-N			C	1554	.53	.60		
BOUL	02	1554	1602	1554	S13	E05	.347	10344	3.0	8	-F			V					
GRP25669	02	1706	1716	1710	S13	E07	.356	10344	3.2	10	-N				1.11				4 4 3 5
SACP	02	1704	1719	1710	S13	E07	.356	10344	3.2	15	-N			C	1.83	1.82			
HUAN	02	1705	1714	1710	S12	E07	.341	10344	3.2	9	-F	1	C	1710	.31	.30			D
CANR	02	1708	1713	1709U	S13	E07	.356	10344	3.2	5	-N			C	1.20	1.30			
BOUL	02	1708	1716	1710	S12	E06	.336	10344	3.2	8	-N			V					
GRP25670	02	1905	1917	1911	N17	E42	.673	10351	5.9	12	--N				.21				2 2 2 3
HUAN	02	1905	1917D	1910	N15	E42	.669	10351	5.9	12D	-N	1	C	1910	.31	.40			D
PALE	02	1909E	1915D	1911	N18	E41	.663	10351	5.9	6D	-N			C	.11				
GRP25671	02	1929	1942	1936	N05	W77	.973	10333	27.0	13	-F				.95				2 2 2 3
SACP	02	1928	1942	1933	N04	W76	.969	10333	27.1	14	1N			C	1.72	3.96			
HUAN	02	1930	1942	1938	N05	W78	.976	10333	27.0	12	-F	1	C	1938	.17				D
GRP25674	02	2213	2231	2220	N27	E77	.968	10352	8.7	18	-N				.67				4 4 4 4
HUAN	02	2212	2232D		N26	E78	.972	10352	8.8	20D	-F	1	C	2222	.37				E
SACP	02	2212	2231U	2221U	N28	E76	.964	10352	8.6	19D	-N			P	.81	1.78			
VORO	02	2216	2231	2219	N28	E77	.968	10352	8.7	15	-B			C	.46	1.33		85	E
PALE	02	2220E	2227D		N25	E77	.968	10352	8.7	7D	-N			C	1.03				
GRP25675	02	2244	2308	2246	N28	E77	.968	10352	8.7	24	-B				.46				2 2 1 4
VORO	02	2244	2254D	2245	N28	E77	.968	10352	8.7	10D	-B			C	.46	1.33		83	EJ
BOUL	02	2246E	2308	2246	N28	E76	.964	10352	8.6	22D	-N			S					
GRP25677	03	0114	0127	0118	S13	E02	.338	10344	3.2	13	-B				1.74				2 2 2 4
CULG	03	0113	0132	0118	S13	E02	.338	10344	3.2	19	1N			C	0118	2.27	2.31		
VORO	03	0114	0121	0118	S12	E02	.321	10344	3.2	7	-B			C	0118	1.20	1.25		98 E
GRP25679	03	0248	0314	0259	N08	W86	.996	10333	26.7	26	1N				1.43				4 3 3 6
CULG	03	0244	0326	0259	N07	W83	.991	10333	26.9	42	1B			C	0259	1.03			
SIBE	03	0247	0306	0258	N09	W89	.999	10333	26.4	19	1F			P	0258	2.15			57 H
CRON	03	0254	0311	0259	N08	W85	.995	10333	26.7	17	1N			C	1.10	3.30			
MANI	03	0315E	0315D	0315	N05	W86	.997	10333	26.7		-F	1			.52	1.44			

6
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1969																		
	OCT																		
GRP25680	03	0640	0647	0642	S13	W03	.340	10344	3.1	7	--F			1.04				3 3 3 10	
ABST	03	0516	0645	0545	S13	W06	.350	10344	2.8	89	-F		C	0545	1.62	1.70		51 D	
ABST	03	0638	0656	0643	S12	W03	.323	10344	3.1	18	-F		C	0643	1.62	1.70		50 E	
HTPR	03	0639	0644	0640	S15	W04	.374	10344	3.0	5	-F		C	0640	.31	.30		E	
CAPS	03	0642	0653		S11	W01	.303	10344	3.2	11	-F	2	V	0643	1.20	1.30		145	
GRP25682	03	0841	0857	0849	N17	E36	.597	10351	6.1	16	--F			.60				4 4 4 9	
HTPR	03	0841	0855	0850	N16	E33	.554	10351	5.8	14	-F		C	0850	.41	.50		E	
MONT	03	0841	0901	0847	N18	E36	.600	10351	6.1	20	-N		C	0847	1.03				
ARCE	03	0845E	0855D	0850	N17	E35	.584	10351	6.0	100	-F		C	0850	.47	.60			
CAPS	03	0850E	0858D		N17	E38	.623	10351	6.2	80	-F	3	V	0855	.50	.60		150 C	
GRP25686	03	1022	1027	1024	S14	W04	.359	10344	3.1	5	--F			.68				2 2 2 7	
HTPR	03	1022	1026	1024	S14	W03	.356	10344	3.2	4	-F		C	1024	.31	.30			
ZURI	03	1022	1028	1023	S13	W04	.342	10344	3.1	6	-N		C	1023	1.05	1.10			
GRP25690	03	1404	1427	1412	N27	E68	.923	10352	8.7	23	-N			.55				4 4 4 7	
ZURI	03	1358	1429	1413	N27	E69	.929	10352	8.8	31	-N		C	1413	.63				
LOCA	03	1403	1427	1408	N26	E70	.935	10352	8.8	24	-N		V	1408	.63				
SACP	03	1407	1420	1416	N28	E67	.918	10352	8.6	13	-N		C		.72	1.23			
HUAN	03	1407	1430		N27	E66	.911	10352	8.5	23	-N	1	C	1418	.21			E	
GRP25691	03	1411	1419	1413	S13	W05	.346	10344	3.2	8	--N			.56				3 3 3 7	
HUAN	03	1410	1420D	1413	S12	W05	.330	10344	3.2	100	-F	1	C	1413	.31	.30		D	
SACP	03	1411	1419	1413	S13	W05	.346	10344	3.2	8	-N		C		.52	.51			
ZURI	03	1412	1417	1413	S13	W04	.342	10344	3.3	5	-N		C	1413	.84	.90			
GRP25693	03	1513	1538	1523	S26	E40	.774	10350	6.6	25	-F			1.07				4 4 4 6	
HUAN	03	1512	1533	1525	S25	E39	.759	10350	6.6	21	-F	1	C	1525	.45	.70		E	
SACP	03	1513	1547	1521	S25	E40	.768	10350	6.6	34	1F		C		1.85	2.32			
CAPE	03	1514	1535D	1522	S27	E41	.788	10350	6.7	21D	-N		P	1522	.90	1.50			
ZURI	03	1520	1525	1523	S27	E43	.804	10350	6.9	5	1N		C	1523	1.40	2.40		U	
GRP25694	03	1546	1608	1551	N18	E33	.561	10351	6.1	22	-N			1.02				2 2 2 4	
ZURI	03	1544	1606	1552	N17	E33	.557	10351	6.1	22	-N		C	1552	1.58	1.80			
HUAN	03	1547	1610D	1550	N18	E32	.547	10351	6.1	23D	-N	1	C	1550	.45	.50		E	
GRP25695	03	1715	1731	1717	N18	E29	.507	10351	5.9	16	-N			1.25				4 4 4 5	
SACP	03	1714	1730	1719D	N19	E29	.512	10351	5.9	16	-N		C		1.74	1.81			
CANR	03	1715	1726	1717	N18	E29	.507	10351	5.9	11	-N		C		1.40	1.60			
HUAN	03	1715	1727	1716	N18	E28	.493	10351	5.8	12	-N	1	C	1716	.62	.70		E	
PALE	03	1715E	1741	1717	N18	E28	.493	10351	5.8	26D	-N		C		1.22				
GRP25697	03	2016	2033	2020	S13	W09	.368	10344	3.2	17	--F			.20				2 2 2 4	
PALE	03	2016	2040	2020	S13	W09	.368	10344	3.2	24	-F		C		.08				
SACP	03	2016	2026	2020	S12	W09	.353	10344	3.2	10	-N		C		.31	.31			
GRP25698	03	2100	2133	2113	S12	W10	.360	10344	3.1	33	--B			.85				4 4 4 5	
HUAN	03	2055	2133D	2114	S11	W10	.346	10344	3.1	38D	-N	1	C	2114	.65	.70		E	
SACP	03	2104	2133	2112	S12	W09	.353	10344	3.2	29	-N		C		1.43	1.42			
PALE	03	2111E	2134D	2113	S13	W09	.368	10344	3.2	23D	-B		C		.59				
MOMA	03	2113E	2133D		S12	W10	.360	10344	3.1	20D	-B		C	2113	.72	.80		E	
GRP25700	03	2206	2231	2210	N11	W66	.908	10335	29.0	25	--F			.22				2 2 2 4	
PALE	03	2205	2240	2209	N11	W66	.908	10335	29.0	35	-N		C		.12				
SACP	03	2206	2221	2210	N10	W65	.901	10335	29.0	15	-F		C		.31	.50			
GRP25701	03	2337	2351	2340	S14	W10	.389	10344	3.2	14	--F			.38				3 3 3 6	
MANI	03	2337E	2347	2339	S14	W10	.389	10344	3.2	100	-F	2		2339	.62	.67			
SACP	03	2337	2346	2340	S14	W10	.389	10344	3.2	9	-F		C		.41	.41			
PALE	03	2337	0000D	2341	S13	W10	.375	10344	3.2	23D	-F		C		.12				
4 STATIONS REPORTING GROUP 25704. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP25704	04	0230	0256	0236	N27	E61	.877	10352	8.7	26	1N			1.12				3 3 3 5	
PALE	04	0224E	0308	0234	N26	E62	.883	10352	8.8	44D	-N		C		.62				
CRON	04	0233	0250	0237	N27	E60	.869	10352	8.6	17	1N		C		1.40	2.70			
CULG	04	0234	0251	0238	N27	E60	.869	10352	8.6	17	1N		C	0238	1.34	2.86			
25704	04	0213	0244	0220	N28	E62	.885	10352	8.7	31	*1F			1.08				2 2 2 5	
CULG	04	0213	0232	0220	N27	E62	.884	10352	8.7	19	1N		C	0220	1.03	2.20			
MANI	04	0214E	0255	0220	N28	E61	.878	10352	8.7	41D	1F	2		0220	1.13	2.14			
GRP25706	04	0258	0326	0302	S13	W12	.390	10344	3.2	28	-N			1.35				3 3 3 4	
CULG	04	0258	0321	0302	S12	W13	.385	10344	3.1	23	1N		C	0302	2.17	2.31		LS	
MANI	04	0258	0316D	0301	S13	W12	.390	10344	3.2	18D	-N	2		0301	1.24	1.34			
PALE	04	0259	0331	0304	S14	W12	.403	10344	3.2	32	-N		C		.65				

SOLAR FLARES
Confirmed
OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP25707	04	0721	0741	0727	S16	W59	.888	10337	29.9	20	-N				.65			3 3 3 12	
HTPR	04	0721	0740	0727	S17	W64	.924	10337	29.5	19	-N		C	0727	.83	1.60			
MANI	04	0721	0739	0727	S18	W54	.854	10337	30.3	18	-N	2		0727	.41	.78			
CAPS	04	0724E	0743		S12	W60	.887	10337	29.8	190	-N		V	0729	.70		190	C	
GRP25709	04	1031	1044	1034	N16	E23	.413	10351	6.2	13	--F				1.16			5 5 5 8	
HTPR	04	1030	1050	1034	N15	E18	.335	10351	5.8	20	--F		C	1034	1.34	1.40			
CANR	04	1030	1041	1035U	N17	E22	.405	10351	6.1	11	-N		C		.90	1.00			
MONT	04	1031	1047	1033	N16	E29	.499	10351	6.6	16	-N		C	1033	1.86				
MEUD	04	1033	1036	1033	N15	E21	.379	10351	6.0	3	-F		C	1033	.72	.80		E	
CAPS	04	1034E	10450		N15	E26	.452	10351	6.4	110	-F	3	V	1035	1.00	1.10	140		
GRP25711	04	1525	1532	1527	S12	W69	.946	10337	29.5	7	--N				.33			4 4 4 6	
HUAN	04	1525	1530		S11	W67	.933	10337	29.6	5	-F	2	C	1527	.25			D	
MONT	04	1525	1530	1527	S10	W67	.932	10337	29.6	5	-N		C	1527	.26				
HTPR	04	1525	1535	1527	S14	W70	.953	10337	29.4	10	-N		C	1527	.41				
MCMA	04	1525	1531	1526	S12	W70	.951	10337	29.4	6	-N		C	1526	.41	1.30		D	
GRP25712	04	1533	1611	1600	N16	E19	.356	10351	6.1	38	--F				.52			2 2 2 5	
HTPR	04	1533	1610	1600	N15	E18	.335	10351	6.0	37	-F		C	1600	.52	.60		E	
MCMA	04	1557	1612	1600	N16	E20	.370	10351	6.2	15	-F		C	1607	.52	.60		EK	
MCMA	04	1557	1612	1607	N16	E20	.370	10351	6.2	15	-F		C	1607	.52	.60			
GRP25713	04	1631	1639	1634	S12	W69	.946	10337	29.5	8	--F				.26			3 3 3 6	
MCMA	04	1630	1637	1633	S12	W70	.951	10337	29.4	7	-F		C	1633	.15	.40		D	
HTPR	04	1631	1640	1634	S12	W70	.951	10337	29.4	9	-F		C	1634	.41				
HUAN	04	1632	16350		S12	W68	.940	10337	29.6	30	-F	1	C	1633	.21			D	
715 MCMA	04	1848	1915	1855	N16	E18	.342	10351	6.1	27	--N		C	1855	.62	.70		E 3	
716 MCMA	04	1855	1915	1906	N06	W90	1.000	10333	28.0	20	--F		C	1906				3	
717 MCMA	04	1934	1940	1937	N19	E11	.282	10351	5.6	6	--N		C	1937	.31	.40		DH 2	
718 MCMA	04	1944	2000	1945	N15	E16	.306	10351	6.0	16	--F		C	1945	.52	.60		E 2	
719 MCMA	04	2003	2009	2006	N19	E11	.282	10351	5.7	6	--F		C	2006	.52	.60		EH 3	
720 SACP	04	2211E	2218	2212U	S13	W36	.653	10343	2.2	70	--N		C		.40	.46		3	
GRP25722	04	2311	2319	2314	S16	W70	.955	10337	29.7	8	-N				.41			3 3 3 6	
SACP	04	2310	2320	2314U	S16	W70	.955	10337	29.7	10	-N		C		.31	.62			
VORO	04	2312	2318	2314	S16	W71	.960	10337	29.6	6	1N		C	2314	.74	2.60	67	DG	
PALE	04	2314E	23140	2314	S15	W70	.954	10337	29.7		-N		C		.17				
GRP25725	05	0210	0247	0220	N19	E09	.263	10351	5.8	37	-N				2.86			5 4 4 5	
CULG	05	0205	0250	0217	N18	E09	.249	10351	5.8	45	1N		C	0217	5.16	5.00		HS	
CRON	05	0210	0235	0217	N19	E09	.263	10351	5.8	25	1N		C		3.10	3.40		EL	
PALE	05	0213	0313	0230	N18	E09	.249	10351	5.8	60	-B		C		1.03				
MITK	05	0214	02270	0217	N20	E09	.277	10351	5.8	130	-B		C	0217	1.75	1.80		EH	
MANI	05	0215E	0256		N20	E08	.268	10351	5.7	410	-N	1		0215	1.44	1.50			
GRP25726	05	0225	0248	0233	S26	E20	.614	10355	6.6	23	--F				1.07			2 2 2 4	
CRON	05	0225	0245	0232	S26	E18	.601	10355	6.5	20	-N		C		.80	1.00			
MANI	05	0233E	0250	0234	S26	E21	.621	10355	6.7	170	-F	2		0234	1.34	1.73			
9 STATIONS REPORTING GROUP 25728. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP25728	05	0511	0738	0612	S35	E30	.769	10350	7.5	147	1N				2.89			4 4 4 5	
CULG	05	0511E	07440	0606	S36	E30	.777	10350	7.5	1530	1N		P	0606	2.89	4.48			
TACH	05	0511E	08000	0611	S35	E33	.787	10350	7.7	1690	2F		C	0611	5.01	7.80	1.80	66	
MANI	05	0542	07320	0620	S32	E29	.736	10350	7.4	1100	1N	2		0620	1.86	2.30			
CRON	05	0555	0630	0612	S35	E28	.757	10350	7.3	35	1N		C		1.80	2.90		K	
CRON	05	0555	0630	0603	S35	E28	.757	10350	7.3	35	1N								
25728	05	0602	0814	0650	S34	E34	.785	10350	7.8	132	*1N				4.26			2 2 2 7	
KODA	05	0602E	0814	0650	S33	E33	.771	10350	7.7	1320	2N		C	0602	6.01	6.02	1.72	FGI	
CAPS	05	0635E	07460		S35	E35	.799	10350	7.9	710	1N	3	P	0640	2.50	3.70		182	
25728	05	0706	0900	(0725)	S35	E32	.781	10350	7.7	114	*1F				1.44			3 1 1 11	
CATA	05	0700E	08550	0700	S33	E34	.778	10350	7.8	1150	1B			0700	1.62	2.64		288	
HTPR	05	0706E	0900		S35	E32	.781	10350	7.7	1140	1F		C	0725	1.44	2.20		B	
ARCE	05	0800E	0900		S35	E34	.793	10350	7.9	600	-N		C	0800	.66	1.10		BEG	
GRP25734	05	1309	1321	1313	N12	W64	.893	10353	30.7	12	--F				.38			2 2 2 6	
HUAN	05	1307	13190		N12	W65	.901	10353	30.7	120	-F	1	C	1314	.14	.30		D	
HTPR	05	1310	1321	1313	N12	W62	.877	10353	30.9	11	-F		C	1313	.62	1.20			

8
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMPATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1969 OCT																		
GRP25738	05	1642	1707	1651	S09	W83	.995	10337	29.5	25	-N				.54				5 5 4 5
BOUL	05	1640E	1712D	1651	S12	W80	.989	10337	29.7	32D	-N		V						
SACP	05	1642	1700	1650	S09	W83	.995	10337	29.5	18	-N		C		1.02				
HUAN	05	1643E	1704	1651	S09	W82	.993	10337	29.5	21D	-N	1	C	1651	.21				D
CANR	05	1643	1700	1647	S08	W85	.998	10337	29.3	17	-N		C		.70	2.30			
PALE	05	1651E	1720	1656	S08	W85	.998	10337	29.3	29D	-N		C		.21				
2 STATIONS REPORTING GROUP 25740. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP25740	05	1834	1847	1836	N16	E05	.185	10351	6.1	13	--N				.46				2 2 2 5
HUAN	05	1834	1839	1836	N16	E05	.185	10351	6.1	5	-N	1	C	1836	.45	.50			E
PALE	05	1834	1854	1836	N16	E05	.185	10351	6.1	20	-N		C		.46				
740 HUAN	05	1830E	1837	1833	N08	E00	.026	10351	5.8	7D	*-F	1	C	1833	.37	.40			E 5
GRP25741	05	1930	1949	1935	N17	E00	.182	10351	5.8	19	--N				.21				2 2 1 4
HUAN	05	1930	1950D		N17	W03	.189	10351	5.6	20D	-N	1	P		.21	.30			E
BOUL	05	1932E	1947	1935	N17	E03	.189	10351	6.0	15D	-N		V						
GRP25745	05	2350	2359	2355	S14	W50	.806	10343	2.2	9	--B				.44				2 2 2 6
SACP	05	2347	2357D	2355	S13	W50	.802	10343	2.2	10D	-N		C		.41	.54			
VORO	05	2352	2359	2354	S14	W49	.796	10343	2.3	7	-B		C	2354	.46	.76		67	DJ
GRP25747	06	0127	0203	0137	N26	E34	.613	10352	8.6	36	-B				1.40				2 2 2 6
VORO	06	0126	0205	0140	N26	E34	.613	10352	8.6	39	-B		C	0140	1.20	1.50		72	EJ
CRON	06	0127	0200	0133	N25	E34	.608	10352	8.6	33	-N		C		1.60	1.90			
GRP25750	06	0700	0717	0704	S15	W51	.818	10343	2.5	17	--F				.62				3 3 3 5
MITK	06	0659	0715	0701	S15	W50	.809	10343	2.5	16	-F		C	0701	.52	.90			D
HTPR	06	0700	0718	0706	S15	W52	.827	10343	2.4	18	-F		C	0706	.83	1.40			
CAPS	06	0702E	0709D		S15	W50	.809	10343	2.5	7D	-N	3	V	0704	.50	.90		170	C
7 STATIONS REPORTING GROUP 25751. 5 STATIONS OBSERVING AND NOT REPORTING.																			
GRP25751	06	0803	0844	0813	N19	W04	.227	10351	6.0	41	-N				2.19				4 4 2 11
ARCE	06	0800	0901	0812	N19	W07	.246	10351	5.8	61	1F		C	0812	2.37	2.40			KIF
ISTA	06	0804	0845	0813	N18	W06	.224	10351	5.9	41	-N								
HURB	06	0804E	0826		N19	E04	.227	10351	6.6	22D	1N						2.10		
CAPS	06	0806	0840D		N18	W05	.217	10351	6.0	38D	-B	3	P	0813	2.00	2.00		230	HJ
25751	06	0821	0839	0832	N18	W09	.250	10351	5.7	18	*-N				1.09				4 3 2 13
MONT	06	0815E	0934	0834	N18	W08	.241	10351	5.7	79D	-N		C	0834	1.55				
HURB	06	0821E	0843D		N18	W08	.241	10351	5.7	22D	1N						2.60		
HTPR	06	0828	0834	0829	N18	W10	.261	10351	5.6	6	-F		C	0829	.62	.70			E
CATA	06	0847E	0855D	0849	N19	W03	.223	10351	6.1	8D	-B			0849	.80	.84		244	B
GRP25754	06	1139	1210	1146	N18	W10	.261	10351	5.7	31	-N				1.92				6 6 5 6
MONT	06	1132	1207	1146	N19	W10	.273	10351	5.7	35	1N		C	1146	3.09				
CANR	06	1141	1207	1147	N18	W12	.283	10351	5.6	26	-N		C		1.40	1.50			E
MEUD	06	1144	1200	1146	N18	W10	.261	10351	5.7	16	-N		C	1146	1.24	1.20			E
HURB	06	1145E	1208D		N18	W10	.261	10351	5.7	23D	1N						2.10		
CAPS	06	1148E	1215D		N17	W06	.209	10351	6.0	27D	-B		V	1152	1.60	1.70		220	J
CAPF	06	1150E	1223		N18	W09	.250	10351	5.8	33D	1N		C	1152	2.27	2.31			
GRP25758	06	1523	1531	1525	N20	W05	.248	10351	6.3	8	--N				.52				3 3 2 6
BOUL	06	1523	1535	1524	N17	W07	.217	10351	6.1	12	-N		V						
SACP	06	1523	1530	1524	N22	W05	.280	10351	6.3	7	-N		C		.62	.61			
MEUD	06	1524	1529	1526	N21	W04	.259	10351	6.3	5	-F		C	1526	.41	.40			E
GRP25760	06	1737	1823	1801	N18	W13	.295	10351	5.8	46	--F				.18				3 2 2 5
BOUL	06	1737	1810D	1739	N18	W14	.307	10351	5.7	33D	-F		V						
PALE	06	1739	1821	1801	N19	W14	.317	10351	5.7	42	-N		C		.10				
HUAN	06	1745E	1825D	1800	N18	W14	.307	10351	5.7	40D	-F	1	C	1800	.25	.30			D
HUAN	06	1815	1827D	1823	N15	W10	.225	10351	6.0	12D	-N	1	P	1823	.37	.40			E
762 SACP	06	1859	1905	1900	N17	W16	.323	10351	5.6	6	--N		C		.62	.61			3
763 PALE	06	1909	1924	1914	S13	W90	1.000	10337	30.0	15	--N		C		.14				3
GRP25764	06	1918	1925	1921	N17	W11	.260	10351	6.0	7	--N				.72				2 2 2 3
SACP	06	1918	1925	1920	N17	W11	.260	10351	6.0	7	-N		C		1.13	1.11			
HUAN	06	1918	1925	1921	N16	W10	.236	10351	6.1	7	-N	1	C	1921	.31	.30			D
GRP25765	06	1935	1950	1938	N17	W16	.323	10351	5.6	15	--N				.31				2 2 1 4
SACP	06	1934	1951	1937	N16	W16	.315	10351	5.6	17	-N		C		.31	.30			
BOUL	06	1935	1948	1938	N17	W16	.323	10351	5.6	13	-N		V						

SOLAR FLARES
Confirmed
OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP25766	06	2007	2023	2014	N17	W11	.260	10351	6.0	16	--N			.18				3 3 2 4	
PALE	06	2002	2031	2009	N17	W08	.227	10351	6.2	29	--N			.15					
HUAN	06	2006	2012		N17	W11	.260	10351	6.0	6	--F	1	C	.21	.20			D	
BOUL	06	2013	2030	2019	N18	W16	.332	10351	5.6	17	--N								
BOUL	06	2015	2025	2017	N17	W11	.260	10351	6.0	10	--N								
GRP25768	06	2116	2124	2119	N10	E70	.935	10358	12.1	8	--F			.52				2 2 1 4	
BOUL	06	2114	2123	2118	N10	E70	.935	10358	12.1	9	--F		V						
SACP	06	2117	2125	2119	N10	E70	.935	10358	12.1	8	--N		C	.52	.96				
GRP25769	06	2313	2323	2317	N18	W18	.358	10351	5.6	10	--B			1.23				2 2 1 4	
BOUL	06	2312	2324	2317	N18	W16	.332	10351	5.8	12	--B		V						
SACP	06	2314	2322	2316	N17	W19	.364	10351	5.5	8	--N		C	1.23	1.22				
GRP25770	07	0030	0050	0036	N19	W16	.342	10351	5.8	20	--F			.71				4 4 4 6	
SACP	07	0020	0039	0032	N20	W19	.389	10351	5.6	190	--F		C	.99	.99				
MANI	07	0034	0049	0036	N19	W14	.318	10351	6.0	15	--F	2		.62	.65				
MITK	07	0035	0050	0039	N18	W16	.333	10351	5.8	15	--N		C	.83	.90			EH	
PALE	07	0036E	0052	0038	N19	W15	.330	10351	5.9	160	--N		C	.41					
GRP25772	07	0136	0149	0142	N20	W16	.352	10351	5.9	13	--N			1.43				4 4 3 6	
MITK	07	0132	0142		N20	W17	.365	10351	5.8	100	--N		C	3.20	3.40			EH	
MANI	07	0134	0144		N20	W16	.352	10351	5.9	100	--N	2		.83	.89				
PALE	07	0137E	0151	0142	N22	W16	.374	10351	5.9	140	--B		C	.25					
SIBE	07	0141	0147		N19	W13	.306	10351	6.1	6	1F		V						
GRP25773	07	0208	0231	0208	N17	W17	.337	10351	5.8	23	--N			.25				2 2 2 5	
PALE	07	0208E	0212	0208	N17	W17	.337	10351	5.8	40	--B		C	.04					
MANI	07	0211E	0231		N17	W17	.337	10351	5.8	200	--F	2		.46	.50				
GRP25788	07	1414	1425	1419	N19	W22	.420	10351	5.9	11	--N			1.30				3 3 2 7	
SACP	07	1413	1427	1419	N20	W22	.428	10351	5.9	14	--N		C	.81	.82				
ZURI	07	1414	1424	1420	N18	W22	.413	10351	5.9	10	--N		C	1.78	2.00				
BOUL	07	1415	1425	1417	N20	W22	.428	10351	5.9	10	--N		V						
GRP25789	07	1533	1545	1537	N17	W24	.434	10351	5.8	12	--N			1.14				5 5 5 6	
HUAN	07	1516E	1552	1537	N17	W23	.420	10351	5.9	360	--N	1	P	.75	.80			E	
SACP	07	1531	1540	1535	N17	W24	.434	10351	5.8	9	--N		C	.81	.82				
HTPR	07	1534	1537	1535	N17	W24	.434	10351	5.8	3	--N		C	1.24	1.30				
CANR	07	1540E	1550	1540	N16	W26	.457	10351	5.7	100	--N		C	1.60	1.80			E	
MCMA	07	1543E	1645		N17	W24	.434	10351	5.9	620	--N		C	1.29	1.40			BE	
GRP25790	07	1534	1551	1545	N09	E62	.878	10358	12.3	17	--F			.32				3 2 2 6	
HUAN	07	1534E	1557		N08	E63	.887	10358	12.4	230	--F	1	P	.14	.30			E	
HTPR	07	1534	1556	1550	N10	E60	.861	10358	12.1	22	--F		C	.52	1.00			E	
CANR	07	1540E	1544	1540	N09	E61	.870	10358	12.2	40	--N		C	.50	1.00				
GRP25791	07	1622	1640	1628	N11	E60	.861	10358	12.2	18	--N			.42				4 4 3 5	
SACP	07	1615	1641	1630	N12	E59	.852	10358	12.1	26	--N		C	.61	.87				
BOUL	07	1625E	1634	1625	N12	E60	.861	10358	12.2	90	--N		V						
HUAN	07	1626	1642		N11	E61	.869	10358	12.3	160	--F	1	P	.25	.50			E	
MCMA	07	1630E	1641		N10	E60	.861	10358	12.2	110	--N		C	.41	.80			E	
GRP25792	07	1656	1705	1658	N13	E60	.861	10358	12.2	9	--F			.77				2 2 1 5	
MCMA	07	1655	1705	1658	N12	E60	.861	10358	12.2	100	--N		C	.77	1.50			EHL	
BOUL	07	1656	1705	1657	N14	E60	.861	10358	12.2	9	--F		V						
GRP25793	07	1720	1737	1728	N12	E59	.852	10358	12.1	17	--N			.54				5 5 4 6	
SACP	07	1712	1738	1728	N12	E59	.852	10358	12.1	26	--N		C	1.42	2.03				
BOUL	07	1722	1735	1728	N13	E57	.834	10358	12.0	13	--N		V						
MCMA	07	1723	1738	1727	N12	E60	.861	10358	12.2	15	--N		C	.52	1.00			E	
PALE	07	1724	1736	1728	N12	E60	.861	10358	12.2	12	--N		C	.08					
PALE	07	1724	1736	1733	N12	E60	.861	10358	12.2	12	--N		C	.08					
HUAN	07	1725E	1739	1727	N11	E61	.869	10358	12.3	140	--F	1	P	.14	.30			E	
GRP25795	07	2000	2014	2006	N12	E55	.814	10358	12.0	14	--N			1.23				5 5 4 6	
CULG	07	1958E	2016		N11	E56	.824	10358	12.0	180	--N		P	2.68	4.42				
BOUL	07	1959	2013	2006	N13	E55	.814	10358	12.0	14	--F		V						
MCMA	07	2000	2010	2006	N12	E58	.843	10358	12.2	100	--N		C	.83	1.50			EHL	
PALE	07	2000	2010	2002	N12	E58	.843	10358	12.2	10	--N		C	.17					
SACP	07	2001	2013	2005	N13	E53	.794	10358	11.8	12	--N		C	1.01	1.31				
PALE	07	2002	2015	2008	N12	E52	.783	10358	11.7	13	--B		C	.41					
GRP25796	07	2023	2034	2028	N12	E57	.833	10358	12.1	11	--N			.71				2 2 2 4	
PALE	07	2022	2032	2028	N12	E57	.833	10358	12.1	10	--N		C	.17					
CULG	07	2023	2036	2027	N11	E56	.824	10358	12.0	13	1N		C	1.24	2.16				

10
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1969																	
	OCT																	
GRP25797	07	2145	2156	2147	N18	W29	.508	10351	5.7	11	--F		.08				2 2 1 5	
BOUL	07	2143	2200	2144	N20	W29	.519	10351	5.7	17	--F	V						
PALE	07	2147	2152	2150	N16	W29	.500	10351	5.7	5	--F	C	.08					
GRP25798	07	2200	2211	2204	N29	E11	.420	10352	8.7	11	--N		.26				3 3 2 4	
SACP	07	2200	2209	2204	N29	E11	.420	10352	8.7	9	--N	C	.31	.31				
PALE	07	2200	2215	2204	N29	E12	.427	10352	8.8	15	--N	C	.21					
BOUL	07	2201	2209	2204	N28	E09	.394	10352	8.6	8	--N	V						
GRP25799	07	2202	2231	2211	N18	W30	.522	10351	5.7	29	--N		.56				3 3 2 4	
SACP	07	2158	2223	2208	N17	W31	.531	10351	5.6	25	--N	C	.61	.63				
BOUL	07	2204E	2234D	2212	N20	W29	.519	10351	5.7	30D	--N	V						
PALE	07	2204	2235	2213	N18	W30	.522	10351	5.7	31	--B	C	.50					
GRP25800	07	2227	2238	2232	N12	E56	.824	10358	12.1	11	--N		.85				3 3 2 4	
CULG	07	2222	2239	2231	N11	E56	.824	10358	12.1	17	1N	C	2231	1.44	2.38			
BOUL	07	2230	2238	2232	N13	E54	.804	10358	12.0	8	--N	V						
PALE	07	2230	2238	2232	N12	E58	.843	10358	12.3	8	--N	C	.25					
GRP25801	08	0102	0121	0108	N17	W31	.532	10351	5.7	19	--F		.37				2 2 2 5	
PALE	08	0100	0120	0108	N17	W32	.545	10351	5.6	20	--N	C	.21					
MANI	08	0104	0122	0107	N16	W30	.514	10351	5.8	18	--F	2	0107	.52	.61			
GRP25804	08	0157	0225	0205	N17	W32	.545	10351	5.7	28	--N		.79				3 3 2 5	
PALE	08	0153E	0225D	0204	N17	W32	.545	10351	5.7	32D	--N		.45					
PALE	08	0153	0225	0157	N17	W32	.545	10351	5.7	32	--N	C	.25					
SIBE	08	0154	0219		N17	W31	.532	10351	5.8	25	1F	V						
MANI	08	0203	0231	0206	N17	W32	.545	10351	5.7	28	--N	2	0206	1.13	1.35			
GRP25805	08	0241	0303	0247	N11	E50	.761	10358	11.9	22	--B		1.75				6 6 5 6	
PALE	08	0239	0318	0248	N12	E49	.751	10358	11.8	39	--B	C	1.07					
CULG	08	0239	0317	0247	N11	E49	.750	10358	11.8	38	1B	C	0247	1.55	2.25		VDH	
MANI	08	0240	0305	0248	N12	E50	.762	10358	11.9	25	--B	2	0248	1.03	1.60			
CRON	08	0241	0251	0244	N10	E49	.750	10358	11.8	10	--B	C	1.00	1.60			H	
KODA	08	0241E	0252D		N11	E52	.783	10358	12.0	11D	1N	P	0245	4.09	4.10		E	
SIBE	08	0243	0252		N09	E51	.772	10358	11.9	9	1F	V						
GRP25808	08	0725	0734	0727	N16	W36	.595	10351	5.6	9	--N		1.19				7 7 6 10	
ONDR	08	0724	0731		N15	W36	.593	10351	5.6	7	1N	V	0726			2.50	CHJ	
CATA	08	0725	0735	0725	N17	W35	.585	10351	5.7	10	--B		0725	.87	1.09		335	
BUCA	08	0725E	0740D		N15	W35	.579	10351	5.7	15D	--B	C	0731	.66	.70		D	
HTPR	08	0725	0732	0727	N15	W36	.593	10351	5.6	7	--N	C	0727	.83	.90			
KIEV	08	0726	0733	0727	N17	W37	.611	10351	5.5	7	1N	C	0728	2.00	2.00		65	
CANR	08	0726	0730D	0727	N16	W35	.582	10351	5.7	4D	--N	C		1.30	1.60			
CAPS	08	0727E	0735D		N16	W36	.595	10351	5.6	8D	--N	2	0729	1.50	1.90		170	
GRP25809	08	1035	1041	1036	N16	W37	.609	10351	5.7	6	--F		1.26				2 2 2 7	
KIEV	08	1034	1041	1035	N17	W37	.611	10351	5.7	7	1F	C	1035	2.00	2.00		45	
MEUD	08	1035	1041	1036	N15	W37	.606	10351	5.7	6	--N	C	1036	.52	.60			
GRP25810	08	1151	1205	1158	N16	W38	.622	10351	5.6	14	--N		1.22				7 7 6 10	
KIEV	08	1051	1200	1157	N17	W37	.611	10351	5.7	69	1N	C	1157	2.00	2.00		65	
MONT	08	1150	1209	1158	N16	W37	.609	10351	5.7	19	--N	C	1158	1.55			DHI	
HTPR	08	1151	1207	1158	N15	W37	.606	10351	5.7	16	--N	C	1158	.72	.90		H	
MEUD	08	1151	1206	1158	N15	W38	.619	10351	5.6	15	--N	C	1158	.52	.60			
CRIM	08	1152	1208	1158	N16	W38	.622	10351	5.6	16	--N	C	1158	1.17	1.50		D	
ZURI	08	1154	1204	1158	N15	W37	.606	10351	5.7	10	--N	C	1158	1.38	1.70			
ONDR	08	1156E	1204		N15	W39	.632	10351	5.6	8D	1N	V	1157			3.20	CHJS	
GRP25812	08	1443	1450	1444	N12	E48	.739	10358	12.2	7	--N		.20				4 4 2 9	
HUAN	08	1443	1450D		N12	E48	.739	10358	12.2	7D	--F	1	C	1445	.14	.20		D
MCMA	08	1443	1449	1444	N12	E48	.739	10358	12.2	6	--N	C	1444	.26	.40		D	
BOUL	08	1443	1447	1444	N12	E48	.739	10358	12.2	4	--N	V						
ONDR	08	1444E	1452		N10	E46	.715	10358	12.1	8D	--N	V	1445			1.70	CT	
GRP25813	08	1510	1531	1516	N15	W38	.619	10351	5.8	21	--N		.87				5 5 5 7	
MCMA	08	1509E	1529D		N16	W38	.622	10351	5.8	20D	--B	C	1514	.83	1.10		E	
CANR	08	1510	1540	1516	N14	W36	.591	10351	5.9	30	--N	C		.90	1.10		E	
HUAN	08	1511	1528		N16	W39	.634	10351	5.7	17	--N	2	C	1512	.37	.50		D
MONT	08	1511	1530D	1518	N15	W37	.606	10351	5.9	19D	--N	C	1518	2.06			H	
MEUD	08	1511	1526	1513	N15	W40	.645	10351	5.6	15	--F	C	1513	.21	.30		E	
MEUD	08	1511	1526	1524	N15	W40	.645	10351	5.6	15	--F							
GRP25814	08	1631	1640	1633	N15	W40	.645	10351	5.7	9	--B		1.11				3 3 3 4	
HTPR	08	1631	1634D		N14	W42	.669	10351	5.5	3D	--B	C	1632	1.03	1.30			
HUAN	08	1631	1639	1633	N16	W40	.647	10351	5.7	8	--B	1	P	1633	.50	.60		E
CANR	08	1631	1640	1632	N16	W39	.634	10351	5.8	9	1B	C		1.80	2.30		H	
817 SACP	08	1854	1914U	1900U	N17	W42	.674	10351	5.6	20D	--F	C		.71	.81		3	

SOLAR FLARES
Confirmed
OCTOBER 1969

OBSERV- ATORY	OBSERVED UT				LOCATION				DURA- TION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
					LAT.	MER. DIST.													
	1969 OCT																		
	08	1914	1915	NO FLARE PATROL															
	08	1937	2001	NO FLARE PATROL															
GRP25818	08	2035	2106	2043	N28	W01	.369	10352	8.8	31	-N		1.46				2 2 2 3		
SACP	08	2035	2106U	2043U	N28	W01	.369	10352	8.8	31D	-N	C	1.63	1.62					
MCMA	08	2045E	2100D		N28	W01	.369	10352	8.8	15D	-N	P	2047	1.29	1.40		E		
GRP25819	08	2103	2133	2112	N18	W40	.652	10351	5.9	30	--N		.46				2 2 2 4		
MCMA	08	2103E	2132D		N18	W40	.652	10351	5.9	29D	-N	P	2104	.62	.80		E		
PALE	08	2108E	2133	2112	N17	W39	.637	10351	6.0	25D	-N	C		.29					
GRP25820	08	2234	2244	2237	N16	W43	.684	10351	5.7	10	--N		.51				3 3 2 4		
SACP	08	2233U	2243	2237U	N15	W43	.683	10351	5.7	10D	-N	C		.61	.71				
BOUL	08	2234	2244	2236	N17	W42	.674	10351	5.8	10	-N	V							
MANI	08	2235	2245	2239	N15	W44	.695	10351	5.6	10	-N	1	2239	.41	.58				
GRP25824	09	0222	0239	0227	N15	W45	.707	10351	5.7	17	-N		.52				3 3 2 6		
MANI	09	0222	0243	0225	N15	W46	.719	10351	5.6	21	-B	3	0225	.62	.92				
SIBE	09	0224E	0230		N15	W45	.707	10351	5.7	6D	1F	V							
PALE	09	0228E	0245D	0228	N16	W45	.708	10351	5.7	17D	-B	V		.41					
GRP25826	09	0430	0443	0433	N16	W48	.743	10351	5.6	13	-N		1.30				4 4 4 5		
CULG	09	0429	0452	0432	N16	W48	.743	10351	5.6	23	18	C	0432	1.86	2.70		VHD		
MANI	09	0430E	0432D		N14	W48	.741	10351	5.6	2D	-B	2	0430	.83	1.26				
CRON	09	0430	0437	0432	N16	W47	.732	10351	5.7	7	-N	C		1.20	1.70				
SIBE	09	0432	0440	0435	N18	W49	.756	10351	5.5	8	1F	C	0435	1.32	2.10	75	D		
GRP25830	09	0950	0955	0952	N15	W50	.764	10351	5.7	5	-N		.64				4 4 4 12		
CRIM	09	0948	0953	0949	N16	W50	.765	10351	5.7	5	-F	C	0949	1.07	1.70		D		
CATA	09	0950	0955	0950	N16	W49	.754	10351	5.7	5	-B		0950	.29	.46	246			
ARCE	09	0950E	0950D		N14	W51	.774	10351	5.6		-F	P	0950	.28	.50				
ABST	09	0953	0956	0954	N15	W50	.764	10351	5.7	3	-N	C	0954	.90	1.40	65	D		
GRP25833	09	1028	1037	1031	N15	W50	.764	10351	5.7	9	--N		.57				6 6 6 13		
ARCE	09	1025	1036	1031	N14	W51	.774	10351	5.6	11	-F	C	1031	.57	.90		I		
CATA	09	1025	1040D	1030	N17	W50	.766	10351	5.7	15D	-B		1030	.29	.46	234			
CRIM	09	1028	1036	1029	N16	W50	.765	10351	5.7	8	-F	C	1029	.90	1.40		D		
MEUD	09	1028	1032	1029	N15	W50	.764	10351	5.7	4	-F	C	1029	.36	.50				
HTPR	09	1030	1035		N15	W48	.742	10351	5.8	5	-N	C	1031	.41	.60				
ABST	09	1032	1040	1035	N15	W50	.764	10351	5.7	8	-N	C	1035	.90	1.40	65	D		
10 STATIONS REPORTING GROUP 25836. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP25836	09	1451	1540	1501	N15	W49	.753	10351	5.9	49	1N		1.93				8 8 7 9		
MONT	09	1419	1502	1458	N16	W48	.743	10351	6.0	43	1N	C	1458	3.61					
MCMA	09	1422	1445D		N16	W50	.765	10351	5.8	23D	1N	C					EK		
HTPR	09	1433	1546D	1508	N13	W44	.693	10351	6.3	73D	1N	C	1508	2.17	3.00				
SACP	09	1446	1537	1457	N16	W50	.765	10351	5.9	51	-N	C		1.64	2.04				
MCMA	09	1446	1552	1456	N16	W50	.765	10351	5.9	66	1N	C	1456	1.34	2.10				
MEUD	09	1454	1520		N15	W48	.742	10351	6.0	26	-F	C	1506	.62	.90		F		
HUAN	09	1455	1545D	1459	N17	W51	.776	10351	5.8	50D	-F	1	P	1459	.50	.80		E	
BOUL	09	1455E	1530		N15	W50	.764	10351	5.9	35D	-N	S							
UCCL	09	1501	1553	1508	N15	W50	.764	10351	5.9	52	2N	C	1508	3.60			EI		
25836	09	1450	1546	1520	N15	W48	.742	10351	6.0	56	*1B		2.42				2 2 2 7		
ZURI	09	1450	1537	1515	N14	W47	.729	10351	6.1	47	1B	C	1515	2.73	4.10				
CANR	09	1522E	1555	1525U	N16	W49	.754	10351	6.0	33D	1N	C		2.10	3.20		E		
GRP25837	09	1820	1844	1825	N11	E35	.572	10358	12.4	24	--N		.34				3 3 3 3		
SACP	09	1819	1835	1824	N12	E36	.587	10358	12.5	16	-N	C		.51	.55				
PALE	09	1820	1848D	1827	N11	E32	.529	10358	12.2	28D	-F	V		.10					
PALE	09	1820	1848D	1848	N11	E32	.529	10358	12.2	28D	-N			.10					
MCMA	09	1822	1850	1823	N11	E36	.586	10358	12.5	28	-N	C	1823	.41	.50		E		
GRP25838	09	1833	1931	1856	N17	W51	.776	10351	5.9	58	--N		.34				4 2 2 5		
PALE	09	1833	1929	1900	N18	W51	.778	10351	5.9	56	-N	V		.15					
BOUL	09	1844	1912D	1846	N18	W49	.756	10351	6.1	28D	-N	V							
MCMA	09	1855	1920D	1902	N16	W50	.765	10351	6.0	25D	-N	C	1902	.52	.80		EH		
HUAN	09	1923	1931D		N17	W53	.797	10351	5.8	8D	-F	1	P	1926	.21	.30		D	
GRP25840	09	1951	2027	1957	N19	W50	.769	10351	6.1	36	--F		.15				3 2 1 5		
PALE	09	1950	2043	1956	N18	W51	.778	10351	6.0	53	-N	V		.15					
BOUL	09	1952	2010	1957	N19	W49	.758	10351	6.2	18	1F	V							
SACP	09	2010	2016	2013	N15	W56	.825	10351	5.6	6	-N	C		.51	.69				

12
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
GRP25841	09	2056	2147	2108	N17	W52	.787	10351	6.0	51	-N			1.15			4 4 3 5	
MCMA	09	2056	2130D	2107	N16	W51	.775	10351	6.0	34D	1N	C	2107	1.29	2.10		EH	
SACP	09	2056	2144	2106	N17	W52	.787	10351	6.0	48	-N	C		1.32	1.70			
PALE	09	2056E	2144D	2110	N18	W53	.798	10351	5.9	48D	-B	V		.83				
BOUL	09	2102E	2152	2108	N18	W50	.767	10351	6.1	50D	1N	V						
BOUL	09	2110E	2113D	2113U	N18	W53	.798	10351	5.9	3D	-N	C		1.10	1.90		E	
GRP25844	10	0252	0301	0253	N18	W54	.808	10351	6.1	9	--F			.70			2 2 2 4	
MITK	10	0251	0303	0253	N18	W54	.808	10351	6.1	12	-F	C	0253	.93	1.60		E	
MANI	10	0252	0259	0253	N18	W53	.798	10351	6.1	7	-F	2	0253	.46	.75			
GRP25848	10	0939	0951	0943	N25	W24	.495	10352	8.6	12	--F			1.01			4 4 3 8	
KIEV	10	0938	0946	0946	N25	W23	.484	10352	8.7	8	-F	C	0940	1.00	1.00	1.90	50 DI	
ONDR	10	0938E	0946		N23	W23	.466	10352	8.7	8D	-F	V	0939				CJ	
MEUD	10	0939	0948	0939	N25	W24	.495	10352	8.6	9	-F	C	0939	.41	.50			
ABST	10	0942	1005	0944	N26	W24	.504	10352	8.6	23	-N	C	0944	1.62	1.90		67 EK	
GRP25850	10	1102	1110	1104	N16	W61	.870	10351	5.9	8	--F			.56			3 3 3 9	
CAPS	10	1100E	1105D		N15	W58	.844	10351	6.1	5D	-F	2	V	1102	.40	.80	160	
MEUD	10	1102	1105	1102	N16	W61	.870	10351	5.9	3	-F	C	1102	.21	.40		D	
ABST	10	1105	1120	1106	N17	W64	.894	10351	5.7	15	1N	C	1106	1.07	2.10		65 D	
GRP25851	10	1116	1129	1120	N26	W23	.493	10352	8.7	13	--F			.83			3 3 3 8	
KIEV	10	1115	1126	1119	N25	W22	.473	10352	8.8	11	-F	C	1119	1.00	1.00		45 DI	
MEUD	10	1115	1122	1117	N27	W23	.502	10352	8.7	7	-F	C	1117	.41	.50		E	
ABST	10	1118	1140	1123	N27	W24	.513	10352	8.7	22	-F	C	1123	1.07	1.20		49 D	
GRP25852	10	1311	1331	1319	N25	W24	.495	10352	8.7	20	-N			1.26			7 7 6 8	
MEUD	10	1309	1330		N27	W24	.513	10352	8.7	21	-F	C	1312	.62	.70	2.20	E	
ONDR	10	1309E	1330D	1320	N23	W25	.490	10352	8.7	21D	-N	V	1320				CDHJ	
MCMA	10	1310	1331	1318	N27	W24	.513	10352	8.7	21	-N	C	1318	.62	.70		EH	
KIEV	10	1310	1331	1319	N27	W23	.502	10352	8.8	21	1N	C	1319	2.00	2.00	60	DI	
UCCL	10	1313	1333	1315	N18	W22	.414	10352	8.9	20	1B	C	1315	1.55	2.20		EJ	
ABST	10	1316	1332	1323	N26	W24	.504	10352	8.8	16	1F	C	1323	1.79	2.10	48	F	
SACP	10	1317E	1330	1318U	N27	W23	.502	10352	8.8	13D	-N	C		.96	1.00			
853 SACP	10	1815	1828	1818	N26	W27	.537	10352	8.7	13	-N	C		1.53	1.60		1	
GRP25854	10	1928	1958	1935	N16	W68	.922	10351	5.7	30	--F			.24			2 2 2 3	
HUAN	10	1926	1953D	1936	N16	W69	.928	10351	5.6	27D	-F	1	C	1936	.37	.90		E
PALE	10	1930	1958D	1934	N15	W66	.908	10351	5.9	28D	-N	C		.10				
855 SACP	10	1946	2001	1949	N27	W26	.534	10352	8.9	15	--N	C		.51	.53		3	
GRP25856	10	2223	2236	2224	N18	W65	.901	10351	6.1	13	-B			.77			3 3 3 3	
VORO	10	2222	2234	2223	N16	W64	.894	10351	6.1	12	-B	C	2223	.56	1.20	83	EJ	
CULG	10	2223	2237	2224	N20	W66	.909	10351	6.0	14	1N	C	2224	1.03	2.25		V	
SACP	10	2224	2236	2225	N18	W64	.894	10351	6.1	12	-B	C		.71	1.13			
857 VORO	10	2354	0001	2357	N14	W74	.956	10351	5.4	7	1N	C	2357	.74	2.30	74	D 3	
GRP25858	11	0133	0202	0136	N19	W67	.916	10351	6.0	29	-N			1.04			2 2 2 5	
VORO	11	0133	0146	0136	N18	W68	.922	10351	6.0	13	-B	C	0136	.74	1.80	78	EJ	
MITK	11	0142E	0217		N19	W65	.902	10351	6.2	35D	1F	C	0145	1.34	3.10		E	
GRP25859	11	0504	0545	0529	N18	W71	.940	10351	5.9	41	--F			.40			3 2 2 6	
MANI	11	0459E	0505D		N17	W71	.940	10351	5.9	6D	-F	2		.26	.56			
ABST	11	0459	0545	0529	N18	W70	.934	10351	6.0	46	1F	C	0529	.90		51	E	
CRIM	11	0508	0535		N18	W70	.934	10351	6.0	27	-F	P	0508	.54			D	
GRP25860	11	0558	0615	0601	N22	W70	.935	10351	6.0	17	-B			.81			2 2 2 5	
CRIM	11	0557	0614	0558	N22	W70	.935	10351	6.0	17	-B	C	0558	.63			D	
ABST	11	0559	0615	0604	N21	W70	.934	10351	6.0	16	1N	C	0604	.99		67	EK	
GRP25863	11	0827	0901	0833	N20	W72	.946	10351	6.0	34	-N			.65			5 5 5 9	
MONT	11	0826	0846	0832	N20	W70	.934	10351	6.1	20	-N	C	0832	.77				
ARCE	11	0826	0905	0833	N20	W74	.956	10351	5.8	39	-N	C	0833	.47	1.20		KE	
CAPS	11	0827E	0910D		N18	W70	.934	10351	6.1	43D	-N	3	V	0828	.30		170 C	
ABST	11	0827	0916	0834	N22	W71	.940	10351	6.0	49	1N	C	0834	1.26		64	DK	
MANI	11	0828	0848	0832	N20	W73	.951	10351	5.9	20	-F	2		.46	1.04			
GRP25865	11	1216	1222	1219	N17	W72	.946	10351	6.1	6	-B			.62			5 5 4 7	
ONDR	11	1215E	1221		N16	W70	.934	10351	6.3	6D	-N	V	1216			2.20	BHS	
CAPS	11	1215	1221D		N17	W72	.946	10351	6.1	6D	-B	3	V	1217	.50		208	
HTPR	11	1216	1220		N17	W73	.951	10351	6.0	4	-B	C	1217	.52				
MONT	11	1216	1221	1217	N19	W71	.940	10351	6.2	5	-N	C	1217	.57				
ABST	11	1220	1226	1221	N17	W72	.946	10351	6.1	6	1B	C	1221	.90		85	D	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS.			MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
					LAT.	MER. DIST.														
	1969 OCT																			
GRP25867	11	1256	1319	1304	N27	W35	.633	10352	8.9	23	-N			1.53				4 4 4 6		
ABST	11	1250	1322	1305	N27	W36	.643	10352	8.8	32	1N		C	1305	2.24	3.00	65	EK		
CAPE	11	1257	1315	1301	N27	W36	.643	10352	8.8	18	-N		C	1301	1.03	1.40				
CAPS	11	1258	1315D		N25	W35	.621	10352	8.9	17D	-B	3	V	1301	1.50	1.80	216			
HTPR	11	1300	1325	1306	N27	W34	.622	10352	9.0	25	-N		C	1306	1.34	1.70				
GRP25870	11	1645	1708	1649	N28	W37	.660	10352	8.9	23	--F			.37				2 2 2 3		
SACP	11	1645	1658D	1649U	N28	W37	.660	10352	8.9	13D	-N		C	.52	.58					
HUAN	11	1645	1708D		N27	W37	.654	10352	8.9	23D	-F	1	C	1650	.21	.30		E		
	11	1750	1943	NO FLARE PATROL																
	11	1958	2008	NO FLARE PATROL																
	11	2009	2018	NO FLARE PATROL																
	11	2021	2028	NO FLARE PATROL																
	11	2030	2055	NO FLARE PATROL																
	11	2105	2124	NO FLARE PATROL																
	11	2145	2155	NO FLARE PATROL																
	11	2209	2212	NO FLARE PATROL																
871 VORO	11	2328E	2349		N14	W85	.994	10351	5.6	21D	1B		C	2332	.56	3.80	94	DJ 2		
GRP25872	12	0711	0727	0715	N21	W87	.996	10351	5.8	16	1F			.83				2 2 1 6		
TACH	12	0711	0723	0715	N22	W88	.997	10351	5.7	12	1F		C	0715	.83		1.80	57		
ONDR	12	0717E	0730		N20	W85	.993	10351	5.9	13D	1F		V	0719			4.10	CJS		
GRP25877	12	1401	1409	1402	N25	W36	.633	10363	9.9	8	--N			.52				2 2 2 7		
HUAN	12	1400	1408D	1402	N25	W35	.622	10363	10.0	8D	-N	1	C	1402	.31	.40		E		
SACP	12	1401	1409	1402	N25	W36	.633	10363	9.9	8	-N		C		.72	.79				
GRP25878	12	1531	1548	1536	S13	W32	.603	10357	10.2	17	--N			.31				2 2 2 4		
HUAN	12	1531	1545	1532	S13	W32	.603	10357	10.2	14	-N	1	C	1532	.21	.20		E		
SACP	12	1540E	1550	1540U	S13	W31	.591	10357	10.3	10D	-N		C		.40	.44				
GRP25879	12	1608	1618	1611	N01	E85	.996	10372	19.0	10	-B			.40				2 2 1 4		
HTPR	12	1608	1620	1611	N03	E85	.996	10372	19.0	12	-B		C							
CANR	12	1608	1616	1611	S02	E85	.997	10372	19.0	8	-B		C	.40	1.30		H			
881 SACP	12	1733	1806	1741	S14	W32	.610	10357	10.3	33	--N		C	.61	.66			3		
882 PALE	12	2049	2108	2053	S14	W34	.633	10357	10.3	19	--N		C	.19				2		
883 SACP	12	2220	2239	2225	S14	W35	.644	10357	10.3	19	-N		C	.92	1.02			2		
GRP25884	13	0042	0054	0044	S13	W37	.661	10357	10.3	12	-N			.86				2 2 2 2		
MITK	13	0041	0056	0043	S14	W37	.667	10357	10.3	15	-N		C	0043	.62	.80		EH		
CRON	13	0042	0052	0045	S12	W37	.656	10357	10.3	10	-N		C		1.10	1.40				

14
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA TH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP25886	13	1247	1303	1249	N01	E74	.961	10372	19.1	16	-N			1.05				10 10 8 11	
UCCL	13	1245	1307	1247	S00	E77	.975	10372	19.3	22	1N	C	1247	1.00				D	
HTPR	13	1245	1310	1250	N02	E71	.945	10372	18.9	25	-N	C	1250	1.34					
AROS	13	1246	1258	1249	N02	E69	.933	10372	18.7	12	-N	C	1249	.62					
MEUD	13	1246	1250		N02	E72	.950	10372	18.9	40	-N	C	1248	.72					
ZURI	13	1246	1257	1248	N01	E76	.970	10372	19.2	11	1N	C	1248	1.47					
MONT	13	1247	1253	1249	N02	E76	.970	10372	19.2	60	-N	C	1249	1.20					
HURB	13	1248E	1301		N02	E76	.970	10372	19.2	130	-N					2.40			
KIEV	13	1249	1303	1251	N01	E77	.974	10372	19.3	14	1N	C	1251	1.50			55	E	
CATA	13	1250E	1305	1250	S01	E74	.962	10372	19.1	150	-B		1250	.52			229		
ONDR	13	1253E	1305		N03	E75	.965	10372	19.2	120	-F	V	1256			1.70		CDEH	
	13	1519	1527	NO FLARE PATROL															
	13	1528	1530	NO FLARE PATROL															
	13	1540	1550	NO FLARE PATROL															
GRP25887	13	1600	1611	1601	N24	W64	.898	10352	8.9	11	--F			.42				4 4 2 4	
SACP	13	1559	1603	1600	N25	W63	.891	10352	8.9	40	-N	C		.21	.33				
BOUL	13	1600E	1610	1601	N25	W65	.905	10352	8.8	100	1F	V							
MCMA	13	1600	1612		N27	W66	.913	10352	8.7	12	-N	P	1601	.62	1.50			E	
HTPR	13	1600	1604		N20	W60	.864	10352	9.2	40	-F	C							
	13	1620	1626	NO FLARE PATROL															
	13	1642	1645	NO FLARE PATROL															
	13	1939	1940	NO FLARE PATROL															
	13	1942	1956	NO FLARE PATROL															
GRP25889	13	2341	2352	2344	N13	W26	.447	10358	12.0	11	--F			.57				2 2 2 3	
MANI	13	2340	2353	2343	N13	W26	.447	10358	12.0	13	-F	1	2343	.62	.69				
SACP	13	2342	2350	2344	N13	W26	.447	10358	12.0	8	-N	C		.52	.52				
GRP25892	14	0225	0250	0231	S07	W12	.303	10361	13.2	25	--N			.67				2 2 2 5	
MANI	14	0225	0250	0229	S07	W10	.282	10361	13.4	25	-F	2	0229	.93	.96				
PALE	14	0232E	0247	0232	S06	W13	.303	10361	13.1	150	-B	C		.41					
GRP25893	14	0320	0333	0326	S08	W10	.295	10361	13.4	13	-N			1.02				2 2 2 4	
VORO	14	0320	0328	0323	S08	W10	.295	10361	13.4	80	-B	C	0323	1.20	1.20	73		EJ	
MANI	14	0325E	0330	0328	S08	W09	.286	10361	13.5	80	-F	2	0328	.83	.86				
GRP25894	14	0410	0452	0415	S07	W11	.292	10361	13.3	42	-N			1.30				3 3 3 4	
VORO	14	0409	0453	0415	S07	W11	.292	10361	13.3	44	-B	C	0415	1.94	1.99	89		EJK	
MITK	14	0410	0450	0417	S07	W12	.303	10361	13.3	40	-N	C	0417	1.03	1.10			E	
MANI	14	0411	0415	0414	S08	W11	.305	10361	13.3	40	-N	2	0414	.93	.96				
5 STATIONS REPORTING GROUP 25895.					1 STATIONS OBSERVING AND NOT REPORTING.														
GRP25895	14	0539	0625	0544	N25	W71	.941	10352	8.9	46	2N			4.23				3 3 3 4	
MITK	14	0538	0616	0544	N26	W72	.947	10352	8.8	38	2N	C	0544	3.20				FG	
CRON	14	0539	0610	0545	N24	W70	.936	10352	9.0	31	2N	C		4.10	9.40			E	
CRIM	14	0539	0650	0543	N25	W72	.947	10352	8.8	71	2F	C	0543	5.40				E	
25895	14	0554	0621	0559	N26	W71	.942	10352	8.9	27	*1F			2.15				2 2 2 6	
ABST	14	0554E	0621	0559	N26	W72	.947	10352	8.8	27	1F	P	0559	2.24		51		D	
CULG	14	0602E	0608		N25	W70	.936	10352	9.0	60	1N	P	0602	2.06					
7 STATIONS REPORTING GROUP 25896.					3 STATIONS OBSERVING AND NOT REPORTING.														
GRP25896	14	0656	0718	0659	S07	W13	.315	10361	13.3	22	-N			1.90				5 5 4 8	
CRIM	14	0654	0729	0659	S06	W14	.316	10361	13.2	35	-N	C	0659	1.80	1.90			E	
ABST	14	0655	0719	0659	S06	W14	.316	10361	13.2	24	-N	C	0659	1.97	2.00			E	
KIEV	14	0657	0716	0659	S07	W13	.315	10361	13.3	19	1N	C	0659	2.50	2.50	60		EI	
CAPE	14	0657	0716	0700	S08	W12	.315	10361	13.4	19	-N	C	0700	1.34	1.40	65		F	
ONDR	14	0658E	0708		S07	W13	.315	10361	13.3	100	-N	V	0659			2.00		CJ	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
25896 ARCE ISTA	14 14 14	0709 0709E 0720E	0735 0725 0745	(0711)	S07 S07 S07	W14 W14 W14	.326 .326 .326	10361 10361 10361	13.2 13.2 13.3	26 160 250	*-F -F -F		C	0711	.75 .75	.80		2 1 1 10	
GRP25901 CATA MCMA SACP MONT BOUL	14 14 14 14 14	1425 1425E 1425 1425 1426 1427E	1444 1445D 1437D 1446 1442	1430 1430 1430 1431 1429	S07 S06 S07 S08 S07 S06	W16 W16 W16 W15 W15 W16	.351 .341 .351 .350 .339 .341	10361 10361 10361 10361 10361 10361	13.4 13.4 13.4 13.5 13.5 13.4	19 200 120 21 16 150	--N -B -N -N -N -N		C C C C V	1430 1432 1441	.75 .52 .62 .51 1.34	.55 .70 .50	246	5 5 4 7 E	
GRP25903 SACP MCMA BOUL	14 14 14	1927 1926 1927 1934 1928E	1937 1940 1934 1934 1936	1929 1930 1928 1929	N03 N04 N02 N04	E56 E56 E56 E55	.828 .827 .829 .817	10372 10372 10372 10372	19.0 19.0 19.0 18.9	10 14 7 80	--N -N -F -N		C C V	1928	.28 .30 .26	.42 .40		3 3 2 6 D	
GRP25908 SACP PALE	14 14	2210 2209 2210	2218 2220 2216	2212 2211 2212	N02 N03 N01	E54 E54 E53	.809 .808 .800	10372 10372 10372	19.0 19.0 18.9	8 11 6	--N -N -N		C C		.46 .51 .41	.67		2 2 2 4	
GRP25912 SACP ZURI HERS CATA	15 15 15 15	1422 1420 1420 1424E	1437 1436 1427 1440	1425 1425 1425 1426 1425	S06 S07 S06 S06 S05	W31 W32 W30 W30 W33	.547 .565 .533 .533 .569	10361 10361 10361 10361 10361	13.3 13.2 13.3 13.3 13.1	15 16 7 160 200	-N -F -N -N -B		C C P	1425 1427 1425	.84 .61 1.32 .83 .58	.65 1.60 1.00 .71	240	4 4 4 12 EH	
GRP25915 SACP HOUT BOUL	15 15 15	1907 1906 1907 1907	1921 1924 1919 1919	1912 1915 1912 1908	N04 N05 N04 N04	E37 E39 E38 E33	.600 .627 .614 .544	10372 10372 10372 10372	18.6 18.7 18.6 18.3	14 18 12 12	-N -N -N -N		C C V		.91 .61 1.20	.67 1.70		3 3 2 3	
916 SACP	15	2331	2336	2333	N08	W55	.815	10358	11.9	5	--F		C		.40	.55		3	
GRP25921 SACP HOUT	16 16 16	1649 1646 1651	1702 1704 1700	1653 1652 1654	N25 N24 N25	W88 W85 W90	.997 .993 .999	10363 10363 10363	10.1 10.3 10.0	13 18 9	-N -N -N		C C		.40 .40 .40	1.60		2 2 2 3	
GRP25922 SACP PALE	16 16 16	1810 1810 1816E	1826 1822 1830	1815 1813 1816	N05 N05 N05	E26 E25 E26	.437 .421 .437	10372 10372 10372	18.7 18.6 18.7	16 12 140	--N -N -N		C C		.26 .30 .21	.30		2 2 2 2	
GRP25923 SACP MANI BOUL	16 16 16	2222 2222 2225E	2243 2240 2246	2231 2224 2242	N12 N11 N13 N11	W66 W66 W66 W67	.909 .909 .909 .916	10358 10358 10358 10358	12.0 12.0 12.0 11.9	21 18 210 10	-F -N 1F -F	2	C V	2226	1.18 .30 2.06	.50 4.20		3 2 2 4	
GRP25924 SACP MANI VORO PALE	16 16 16 16	2309 2306 2309 2311	2326 2327 2322 2321D	2315 2314 2314 2315	N05 N05 N05 N05	E22 E22 E22 E22	.373 .373 .373 .373	10372 10372 10372 10372	18.6 18.6 18.6 18.6	17 21 13 100 170	--B -N -N -B -B	2	C C C	2314 2315	.85 .80 1.03 1.20	.81 1.11 1.27	93	4 4 4 6 D	
GRP25928 SACP HOUT BOUL MCMA PALE	17 17 17 17 17	1721 1720 1720 1722 1723E	1739 1736 1740 1735 1731D	1728 1725 1725 1725 1731D	N09 N09 N08 N12 N07 N08	E90 E89 E90 E90 E90 E90	1.000 .999 1.000 1.000 1.000 1.000	10381 10381 10381 10381 10381 10381	24.5 24.4 24.5 24.5 24.5 24.5	18 16 20 13 80 100	-N -N -N -N -N -N		C C C V C C	1726	.32 .40 .40	1.60		5 5 3 7	
GRP25931 CAPE ARCE ABST MEUD CAPS	18 18 18 18 18	0948 0945 0945E 0948 0950	1004 1002 1001D 1005 1002	0953 0952 0954 0954 1008D	N13 N15 N14 N11 N15 N12	W89 W90 W90 W88 W88 W90	.999 1.000 1.000 .999 .998 1.000	10358 10358 10358 10358 10358 10358	11.7 11.7 11.7 11.8 11.8 11.7	16 17 160 17 12 180	-N -N -N 1N -F -N	3	C C C V	0952 0954 0954 0951	.80 .89 .83 1.17 .31	4.70	68	ADG	
GRP25932 CAPS ABST UCCL	18 18 18	1015 1008E 1018 1020	1039 1040D 1046 1032	1026 1026 1025	S30 S29 S30 S30	W27 W26 W26 W29	.695 .679 .688 .710	10379 10379 10379 10379	16.4 16.5 16.5 16.3	24 320 28 12	--F -F -F -F	3	V C C	1028 1026 1025	.92 1.10 .90 .75	1.40 1.20 1.50	160 56	3 3 3 6 D E	
GRP25933 ZURI UCCL CAPS	18 18 18	1049 1047 1050	1113 1107 1114D	1054 1053 1055	S30 S31 S30 S29	W28 W30 W29 W26	.703 .726 .710 .679	10379 10379 10379 10379	16.4 16.2 16.3 16.5	24 20 240 250	-N 1N -N -N	3	C P V	1053 1055 1053	.98 1.58 .75 .60	2.30 1.50 .70	172	3 3 3 7 E	
GRP25942 PALE MCMA	18 18 18	2007 2007 2007	2035 2044 2025	2012 2010 2013	S29 S28 S30	W34 W34 W33	.739 .731 .739	10379 10379 10379	16.3 16.3 16.4	28 37 18	--N -N -N		C C C	2013	.31 .21 .41	.60		2 2 2 5 E	

16
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP25944	19	0000	0010	0004	N13	E83	.990	10 381	25.2	10	-N			.39				6 6 6 6	
CULG	18	2357	0015	0003	N13	E83	.990		25.2	18	1B	C	0003	.52				A	
MANI	19	0000	0008	0003	N13	E83	.990		25.2	8	-N	2	0003	.62	1.69				
SACP	19	0000E	0009	0003	N14	E83	.990		25.2	9D	-N	C		.41					
CRON	19	0000	0007	0003	N11	E84	.993		25.3	7	-N	C		.30	1.00				
VORO	19	0001	0009	0003	N16	E87	.997		25.5	8	-B	C	0003	.19	.88			75 D	
PALE	19	0010E	0014	0010	N13	E80	.982		25.0	4D	-N	C		.31					
GRP25945	19	0150	0208	0154	N14	E81	.985	10 381	25.2	18	--F			.29				2 2 2 5	
MANI	19	0149	0204	0153	N13	E82	.988		25.2	15	-F	2	0153	.31	.82				
PALE	19	0151	0211	0155	N14	E80	.982		25.1	20	-N	C		.26					
GRP25946	19	0733	0751	0736	N14	E80	.982	10 381	25.3	18	-N			.60				6 6 5 8	
ISTA	19	0730E	0754D		N16	E82	.987		25.5	24D	-N								
CAPS	19	0733	0748		N13	E80	.982		25.3	15	-N	4	P 0740	.50				164	
MANI	19	0734	0758D	0737	N13	E80	.982		25.3	24D	-N	1	0737	.62	1.59				
CAPE	19	0734	0750	0737	N12	E78	.975		25.2	16	-N	C	0737	.98					
CATA	19	0735	0740D	0735	N16	E77	.970		25.1	5D	-B		0735	.29				302	
CRON	19	0736E	0743	0736	N12	E80	.982		25.3	7D	-N	C		.60	1.90				
GRP25948	19	1200	1246 (1217)		N10	E86	.996	10385	26.0	46	1N			.77				3 3 2 5	
CAPF	19	1200E	1220D		N09	E86	.996	10385	26.0	20D	1N	P	1214	1.03				H AR	
HURB	19	1214E	1246D		N09	E86	.996	10385	26.0	32D	1B					6.40			
CAPS	19	1215E	1225D		N12	E85	.994	10385	25.9	10D	-N	3	V 1220	.50				170	
949 MEUD	19	1303	1305	1303	N08	E90	1.000	10385	26.3	2	--F	C	1303	.26				D 4	
GRP25951	19	1524	1532	1528	N11	E85	.995	10385	26.0	8	-F			1.30				2 2 1 4	
CANR	19	1523	1529D	1528D	N11	E85	.995	10385	26.0	6D	1N	C		1.30	4.00			E	
ONDR	19	1524	1532D		N10	E85	.995	10385	26.0	8D	-F	V	1527			1.80		CDJ	
	19	1535	1539	NO FLARE PATROL															
GRP25952	19	1716	1723	1716	N08	E88	.999	10385	26.3	7	-N			.52				3 3 3 3	
HUAN	19	1652E	1722	1714	N08	E88	.999	10385	26.3	30D	-F	1	P 1714	.25				D	
SACP	19	1713	1724	1720	N09	E86	.996	10385	26.2	11	-N	C		.91					
CANR	19	1719	1723	1720	N08	E90	1.000	10385	26.5	4	-N	C		.40	1.60				
	19	1805	1807	NO FLARE PATROL															
	19	1810	1817	NO FLARE PATROL															
954 PALE	19	1957	2009	2002	N12	E70	.936	10 381	25.1	12	--N	C		.26				1	
GRP25955	19	1959	2132	2013	N09	E83	.991	10385	26.1	93	-B			.89				3 2 2 3	
PALE	19	1959	2132	2012	N08	E83	.991	10385	26.1	93	-B	C		.98					
SACP	19	2011E	2051D	2013D	N10	E82	.988	10385	26.0	40D	-N	P		.80				E	
HUAN	19	2033E	2108D		N07	E88	.999	10385	26.5	35D	-N	1	P 2048	.45					
	19	2111	2133	NO FLARE PATROL															
	19	2153	2208	NO FLARE PATROL															
	19	2216	2230	NO FLARE PATROL															
961 MANI	20	0227	0248D	0229	N13	E57	.835	10 381	24.4	21D	-N	2	0229	1.03	1.78			3	
962 MANI	20	0326E	0339		N05	E80	.984	10385	26.1	13D	-N	1	0326	.36	.84			2	
963 MANI	20	0330	0359D	0336	N10	E80	.982	10385	26.1	25D	1F	1	0336	1.03	2.65			2	
964 CRON	20	0353	0410	0359	N15	E59	.854	10 381	24.6	17	-N	C		1.10	2.00			EI 2	
965 MANI	20	0425E	0429D	0426	N06	E77	.973	10385	26.0	4D	--F	1	0426	.41	1.00			2	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION						DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS						REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA TH PLAGE REGION	CMP DAY	COND.			TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
					LAT.	MER. DIST.															
	1969 OCT																				
966 MANI	20	0425E	0447D	0427	N13	E57	.835	10381	24.5	220	-N	2		0427	.72	1.24			2		
GRP25970	20	0915	0923	0916	N11	E86	.996	10385	26.8	8	-N				.51			3 3 3 10			
UCCL	20	0914	0924	0916	N10	E89	.999	10385	27.1	10	1B		C	0916	.50			DJ			
BUCA	20	0915	0921	0916	N12	E89	.999	10385	27.1	6	-B		C	0916	.43			D			
CAPS	20	0916E	0924D		N10	E80	.982	10385	26.4	80	-F	3	V	0917	.60						
GRP25972	20	1006	1032	1013	N07	E60	.863	10381	24.9	26	--F				.86			4 4 3 12			
ARCE	20	1005E	1030		N07	E60	.863	10381	24.9	250	-F		C	1012	.39	.70					
MONT	20	1005	1037	1011	N06	E59	.854	10381	24.8	32	-N		C	1011	1.55						
ONDR	20	1005	1029		N08	E61	.871	10381	25.0	24	1F		V	1008			1.30	C			
LOCA	20	1010	1124	1015	N07	E60	.863	10381	24.9	74	-F		V	1015	.63	1.30					
GRP25973	20	1048	1110	1053	N10	E78	.975	10385	26.3	22	-N				.73			7 6 5 12			
MONT	20	1014	1105D	1024	N08	E76	.968	10385	26.1	510	-N		C	1024	1.13			H			
CANR	20	1040	1120	1048	N09	E78	.976	10385	26.3	40	1N		C		1.20	3.20		E			
MONT	20	1047	1103	1050	N11	E79	.979	10385	26.4	16	-N		C	1050	.52						
LOCA	20	1048	1105	1052	N12	E76	.967	10385	26.1	17	-N		V	1052	.63						
CAPS	20	1050E	1100D		N10	E78	.975	10385	26.3	100	-B	2	V	1054	.40		195				
CAPE	20	1050	1108	1051	N09	E82	.988	10385	26.6	18	-N		C	1051	.89			T			
ONDR	20	1052	1110		N12	E76	.967	10385	26.2	18	1N		V	1054			2.20	CFJ			
HERS	20	1104E	1111	1104U	N10	E77	.971	10385	26.2	70	1N		P	1105	.80	3.00		E			
GRP25975	20	1202	1228	1211	N07	E76	.968	10385	26.2	26	1N				.82			4 3 2 6			
CAPE	20	1200	1225	1213	N06	E75	.964	10385	26.1	25	-N		C	1213	.80						
ZURI	20	1203	1231	1209	N08	E74	.959	10385	26.1	28	1N		C	1209	.84						
HURB	20	1204E	1217D		N08	E80	.983	10385	26.5	130	1N						1.90				
HUAN	20	1230E	1250D		N09	E72	.948	10385	25.9	200	-F	1	P	1230	.21			E			
GRP25977	20	1524	1540	1529	N10	E71	.942	10385	26.0	16	-N				.61			2 2 1 5			
SACP	20	1521	1543	1530	N09	E70	.936	10385	25.9	22	-N		C		.61	1.13					
BOUL	20	1527	1536	1528	N10	E72	.948	10385	26.0	9	-N		V								
GRP25978	20	1632	1654	1634	N10	E77	.971	10385	26.5	22	--F				.21			2 1 1 2			
BOUL	20	1632	1654	1634	N10	E77	.971	10385	26.5	22	-F		V								
SACP	20	1646	1650	1648	N11	E70	.936	10385	25.9	4	-N		C		.21	.37					
979 BOUL	20	1714	1734	1717	S28	E35	.738	10382	23.3	20	-N		V					1			
980 BOUL	20	1738	1749	1739	N12	E73	.952	10385	26.2	11	--F		V					1			
981 BOUL	20	1757E	1820	1801	N09	E73	.953	10385	26.2	230	-N		V					1			
982 BOUL	20	1829	1852	1833	S28	E34	.730	10382	23.3	23	--F		V					2			
983 BOUL	20	1940	1956	1948	N21	H79	.977	10368	14.9	16	--F		V					1			
984 BOUL	20	1954	2001	1956	N17	H82	.987	10368	14.7	7	--F		V					1			
986 BOUL	20	2120	2142	2122	N09	E66	.910	10385	25.8	22	--F		V					2			
987 BOUL	20	2144	2153	2149	N09	E08	.151	10377	21.5	9	--F		V					2			
GRP25990	20	2255	2355	2309	N14	E73	.952	10385	26.4	60	-N				.88			3 1 1 3			
CRON	20	2251	2345	2258	N09	E73	.953	10385	26.4	54	1N		C		1.10	2.80		I			
MANI	20	2255E	2355	2309	N14	E73	.952	10385	26.4	60D	-N	2		2309	.88	1.96					
PALE	20	2324E	2358D	2324	N12	E70	.936	10385	26.2	340	-B		C		.31						
25990	20	2333	2356	2335	N09	E69	.930	10385	26.2	23	*-N				.47			2 2 2 4			
PALE	20	2327	2344	2332	N08	E68	.924	10385	26.1	17	-N		C		.10						
CULG	20	2338E	2356		N10	E70	.936	10385	26.2	180	1N		P	2338	.83			T			
GRP25993	21	0101	0115	0103	N09	E67	.917	10385	26.1	14	-N				.83			2 2 2 4			
VORO	21	0059	0109	0102	N08	E67	.917	10385	26.1	10	1B		C	0102	.93	2.08	87	D			
MANI	21	0102	0120	0104	N10	E67	.917	10385	26.1	18	-F	2		0104	.72	1.47					
GRP25997	21	0358	0436	0406	N21	E22	.445	10383	22.8	38	1F				3.31			3 2 2 4			
CRON	21	0357	0445	0408U	N19	E22	.429	10383	22.8	48	2F		C		6.00	6.60		L			
MANI	21	0358	0426	0404	N22	E22	.454	10383	22.8	28	-F	2		0404	.62	.70					
CULG	21	0408E	0531	0421	N21	E24	.470	10383	23.0	83D	2F		P	0421	4.95	5.52		GHLS			
GRP26007	21	1209	1227	1210	N07	E60	.863	10385	26.0	18	--N				.37			3 3 3 8			
CAPS	21	1208	1224D		N07	E60	.863	10385	26.0	160	-N	3	V	1219	.40	.80	176	E			
CATA	21	1210	1220D	1210	N07	E60	.863	10385	26.0	100	-B			1210	.29	.58	246				
MCMA	21	1214E	1227		N08	E60	.862	10385	26.0	130	-N		C	1214	.41	.80		E			

18
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
GRP26014	21	1724	1745	1731	N08	E59	.854	10385	26.2	21	-B			.63				4 4 3 6
HUAN	21	1720	1738D	1732	N07	E58	.845	10385	26.1	18D	-N	1	C	1732	.37	.60		E
MCMA	21	1724	1750	1731	N08	E58	.844	10385	26.1	26	-N		C	1731	.72	1.30		E
BOUL	21	1724	1747	1730	N09	E60	.862	10385	26.2	23	-B		V					
CANR	21	1726	1739	1732	N07	E58	.845	10385	26.1	13	-B		C		.80	1.40		
GRP26015	21	1732	1752	1737	S09	E67	.929	10386	26.8	20	-N			.84				4 4 3 6
HOUT	21	1730	1810	1739	S06	E63	.898	10386	26.5	40	1N		C		1.30	2.90		
BOUL	21	1731	1751	1735	S10	E69	.942	10386	26.9	20	-F		V					
MCMA	21	1732	1747	1736	S07	E66	.921	10386	26.7	15	-N		C	1736	.52	1.40		E
CANR	21	1734	1741	1739	S11	E71	.954	10386	27.1	7	-N		C		.70	1.80		
GRP26020	21	2041	2050	2045	N10	E57	.835	10385	26.1	9	--N			.30				2 2 1 5
BOUL	21	2041	2049	2044	N10	E59	.853	10385	26.3	8	-N		V					
SACP	21	2045E	2050	2045U	N09	E55	.815	10385	26.0	5D	-N		C		.30	.41		
GRP26023	22	0033	0044	0035	N08	E55	.816	10385	26.1	11	--B			.35				2 2 2 5
MANI	22	0031	0046	0035	N08	E55	.816	10385	26.1	15	-N	2		0035	.52	1.36		
PALE	22	0034	0042	0035	N08	E54	.806	10385	26.1	8	-B		C		.17			
027 PALE	22	0246	0255	0248	N14	E53	.797	10385	26.1	9	--F		C		.08			2
GRP26030	22	0821	0834	0825	N08	E53	.795	10385	26.3	13	--N			.53				3 3 3 10
BUCA	22	0820	0835	0825	N08	E52	.785	10385	26.2	15	-F		C	0825	.66	1.00		
MANI	22	0822	0833	0824	N09	E51	.774	10385	26.2	11	-F	2		0824	.52	.81		
CAPS	22	0825E	0829D		N08	E56	.826	10385	26.6	4D	-B	3	V	0826	.40	.80	220	
GRP26033	22	1027	1041	1032	S11	E59	.874	10386	26.9	14	-N			1.17				8 8 6 12
ONDR	22	1024	1040	1032	S11	E57	.857	10386	26.7	16	1N		V	1032		2.00		CDH
CAPS	22	1025E	1043D		S09	E58	.862	10386	26.8	18D	-N	3	V	1028	1.00	2.00	171	DI
KIEV	22	1025	1040	1029	S11	E59	.874	10386	26.9	15	-N		C	1029	1.50		65	
CAPE	22	1025	1040	1030	S10	E58	.864	10386	26.8	15	-N		C	1030	.94	1.90		
MONT	22	1026	1041	1029	S09	E59	.871	10386	26.9	15	-N		C	1029	2.06			
LOCA	22	1028	1040	1032	S12	E56	.851	10386	26.6	12	-N		V	1032	1.05	2.00	2.10	
HURB	22	1030	1038		S12	E61	.892	10386	27.0	8	-F							
ARCE	22	1036	1042D	1039	S10	E60	.880	10386	26.9	6D	-N		C	1039	.48	1.00		
8 STATIONS REPORTING GROUP 26034. 4 STATIONS OBSERVING AND NOT REPORTING.																		
GRP26034	22	1043	1135	1057	N10	E56	.825	10385	26.6	52	1F			1.94				6 6 4 10
MONT	22	1041	1152	1052	N12	E56	.826	10385	26.6	71	-N		C	1052	2.06		2.10	E
KHAR	22	1041	1120		N12	E55	.816	10385	26.6	39	1F		V	1057				FI
ARCE	22	1044	1133	1056	N03	E55	.818	10385	26.6	49	1F		C	1056	1.47	2.50		
BUCA	22	1045	1153	1104	N11	E57	.835	10385	26.7	68	1N		C	1104	2.21	3.90		
CAPS	22	1054E	1145D		N08	E55	.816	10385	26.6	51D	1N	3	V	1057	2.00	4.00	180	E
HURB	22	1055E	1105		N11	E57	.835	10385	26.7	10D	-F					2.20		D
26034	22	1046	1152	1120	N12	E56	.826	10385	26.6	66	*1N			.87				2 2 1 13
ONDR	22	1046	1152		N11	E55	.816	10385	26.6	66	2F		V	1114		1.80		CFJK
CATA	22	1117E	1125D	1120	N13	E56	.826	10385	26.7	8D	-B			1120	.87	1.60	257	
GRP26035	22	1234	1302	1235	N11	E59	.853	10385	26.9	28	1N			2.33				8 8 5 11
NERA	22	1232E	1242D	1234	N03	E58	.847	10385	26.9	10D	2B	2						
MONT	22	1233	1259	1238	N12	E59	.854	10385	26.9	26	1N		C	1238	4.13			
HUAN	22	1233	1308D	1235	N12	E59	.854	10385	26.9	35D	-B	2	C	1235	.62	.90		E
CAPE	22	1233	1250	1234	N12	E58	.845	10385	26.9	17	1N		C	1234	1.12	2.10		V
CAPS	22	1234	1314		N14	E59	.854	10385	26.9	40	2N	3	P	1240	3.00	6.00	189	
ONDR	22	1235E	1256		N12	E60	.862	10385	27.0	21D	1N		V	1236		2.60		CJ
BUCA	22	1235	1315	1236	N12	E60	.862	10385	27.0	40	1B		C	1236	2.76	4.40	2.70	
HURB	22	1238E	1253		N10	E58	.844	10385	26.9	15D	1N							
GRP26041	22	1636	1715	1639	N10	E49	.752	10385	26.4	39	-N			.88				4 4 4 7
BOUL	22	1634	1704	1636	N12	E47	.730	10385	26.2	30	-N		S					
HUAN	22	1636	1725	1642	N09	E50	.763	10385	26.4	49	-N	2	C	1642	.37	.60		E
MCMA	22	1636E	1647D		N10	E50	.763	10385	26.4	11D	-N		C	1643	1.03	1.60		E
SACP	22	1636	1652	1637	N12	E49	.753	10385	26.4	16	-B		C		1.21	1.49		
BOUL	22	1637E	1642U	1637E	N11	E49	.752	10385	26.4	5D	-N		C		.90	1.40		
SACP	22	1711E	1716	1712U	N11	E49	.752	10385	26.4	5D	-F		C		.61	.75		
GRP26042	22	1804	1821	1808	N13	E52	.786	10385	26.7	17	-B			.66				2 2 2 3
HUAN	22	1803	1822D	1806	N12	E50	.764	10385	26.5	19D	-N	2	C	1806	.70	1.10		DE
PALE	22	1805	1819	1809	N13	E53	.796	10385	26.7	14	-B		C		.61			
043 PALE	22	1844	1853	1846	N09	E52	.785	10385	26.7	9	--B		C		.12			3
GRP26044	22	1930	1952	1938	N10	E48	.740	10385	26.4	22	--N			.17				2 2 2 4
HUAN	22	1926	1952D		N09	E49	.752	10385	26.5	26D	-F	1	C	1945	.25	.40		E
PALE	22	1934	1943D	1938	N11	E47	.729	10385	26.3	9D	-B		C		.08			

SOLAR FLARES
Confirmed
OCTOBER 1969

OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP26046	22	2156	2214	2200	N08	E43	.679	10385	26.1	18	-N			1.75				2 2 2 3	
CULG	22	2153	2214	2159	N06	E43	.679	10385	26.1	21	1N			2.48	3.36			L	
SACP	22	2158	2206D	2200U	N09	E43	.679	10385	26.1	8D	-N			1.01	1.16				
GRP26048	22	2238	2303	2241	N14	E48	.743	10385	26.5	25	-B			.67				4 4 4 5	
SACP	22	2235	2257	2240	N14	E48	.743	10385	26.5	22	-N			.71	.86				
MANI	22	2237E	2249D		N12	E48	.741	10385	26.5	12D	-N	2		.83	1.28				
VORO	22	2238	2309	2241	N16	E48	.746	10385	26.5	31	-B			.93	1.37		91	E	
PALE	22	2240	2250D	2242	N13	E47	.731	10385	26.5	10D	-B			.21					
GRP26049	22	2317	2328	2318	S13	E48	.778	10386	26.6	11	-B			.64				2 2 2 5	
MANI	22	2316	2328	2318	S13	E48	.778	10386	26.6	12	-N	2		.62	1.02				
VORO	22	2317	2320D	2317	S12	E48	.775	10386	26.6	3D	-B			.65	1.00		79	D	
3 STATIONS REPORTING GROUP 26050. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP26050	22	2345	0016	2351	N08	E41	.653	10385	26.1	31	-N			1.41				3 3 3 5	
CULG	22	2344	0023	2353	N08	E39	.627	10385	25.9	39	1N			2353	1.86	2.34			
MANI	22	2345	0018	2350	N08	E41	.653	10385	26.1	33	-N	2		2350	1.34	1.81			
MITK	22	2346	0006	2349	N07	E42	.666	10385	26.1	20	-N			2349	1.03	1.40		E 1	
050 MANI	22	2354	0010	2359	N07	E50	.763	10385	26.7	16	*-F	2		2359	.31	.49		4	
GRP26051	23	0038	0051	0044	N12	E46	.718	10385	26.5	13	-N			.90				4 4 4 5	
PALE	23	0017E	0050	0046	N12	E46	.718	10385	26.5	33D	-N			.29					
PALE	23	0017E	0050	0027	N12	E46	.718	10385	26.5	33D	-B			.17					
MITK	23	0035	0048	0044	N12	E47	.730	10385	26.5	13	1F			0044	1.65	2.40		E	
VORO	23	0038	0049	0039	N12	E45	.706	10385	26.4	11	-B			0039	.74	1.05		79	
MANI	23	0042	0056	0045	N11	E45	.706	10385	26.4	14	-F	2		0045	1.03	1.45		DJ	
GRP26057	23	0846	0931	0907	S11	W37	.646	10378	20.6	45	-N			.89				3 3 3 13	
MONT	23	0846	0932	0906	S12	W36	.639	10378	20.7	46	-F			0906	.77				
ABST	23	0852E	0930	0907	S12	W37	.651	10378	20.6	38D	-N			0907	.90	1.20		D	
CAPS	23	0900E	0930D		S08	W37	.632	10378	20.6	30D	-N	3		0903	1.00	1.30		176	
4 STATIONS REPORTING GROUP 26063. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP26063	23	1418	1444	1420	N09	E39	.627	10385	26.5	26	--N			.60				3 3 3 7	
MCMA	23	1345	1500		N11	E37	.602	10385	26.3	75	-N	8		1416	1.34	1.80		FK	
HUAN	23	1415	1445	1420	N08	E41	.653	10385	26.7	30	-N	2		1420	.21	.30		D	
MEUD	23	1420	1428		N09	E40	.641	10385	26.6	8	-F	8		1422	.26	.30			
26063	23	1429	1440	1434	N10	E40	.641	10385	26.6	11	*-N			.41				4 3 3 6	
HUAN	23	1417E	1605	1430	N08	E38	.613	10385	26.4	108D	-N	2		1430	.25	.30		KD	
SACP	23	1429	1439	1433	N11	E40	.643	10385	26.6	10	-F	8			.71	.80			
HUAN	23	1429	1440D	1434	N11	E40	.643	10385	26.6	11D	-B	2		1434	.25	.30		E	
MEUD	23	1438E	1438D		N10	E40	.641	10385	26.6		-F	8		1438	.26	.30			
MCMA	23	1515	1550	1518	N11	E39	.629	10385	26.6	35	-F	8		1518	.26	.30		DK	
GRP26064	23	1721	1733	1725	N11	E33	.547	10385	26.2	12	--N			.36				4 4 4 6	
HUAN	23	1720E	1735	1725	N10	E33	.545	10385	26.2	15D	-N	2		1725	.21	.20		D	
SACP	23	1720	1734	1725	N12	E34	.563	10385	26.3	14	-N				.30	.32			
PALE	23	1720	1731	1723	N12	E33	.549	10385	26.2	11	-B				.29				
MCMA	23	1722	1732	1725	N10	E32	.531	10385	26.1	10	-F			1725	.62	.70		E	
GRP26066	23	1730	1742	1737	N10	E31	.516	10385	26.1	12	--B			.50				3 3 3 6	
HUAN	23	1720E	1742	1737	N10	E32	.531	10385	26.1	22D	-B	2		1737	.37	.40		D	
SACP	23	1735	1742	1737	N10	E31	.516	10385	26.1	7	-N	8			.61	.63			
MCMA	23	1736	1742	1736	N09	E30	.500	10385	26.0	6	-B	8		1736	.52	.60		DV	
GRP26068	23	1757	1827	1805	N10	E08	.161	10381	24.3	30	--N			.23				3 3 3 5	
SACP	23	1755	1825	1805	N10	E08	.161	10381	24.3	30	-N			.30	.30				
MCMA	23	1755	1830	1803	N10	E08	.161	10381	24.3	35	-N			1803	.26	.30		D	
PALE	23	1801	1825	1807	N10	E08	.161	10381	24.4	24	-N				.12				
GRP26069	23	1827	1921	1835	S08	E39	.657	10386	26.7	54	1N			1.84				5 5 5 5	
SACP	23	1825	1917	1835	S07	E39	.653	10386	26.7	52	-N			1.82	2.05				
MCMA	23	1825	1931	1832	S09	E40	.674	10386	26.8	66	1N			1832	1.91	2.50		FHL	
HUAN	23	1827	1930D	1835	S08	E37	.632	10386	26.5	63D	-N	2		1835	.55	.70		E	
PALE	23	1827	1930	1836	S08	E42	.694	10386	26.9	63	1B				1.74				
PALE	23	1827	1930	1855	S08	E42	.694	10386	26.9	63	-B				.52				
HOUT	23	1829	1857	1835	S09	E39	.661	10386	26.7	28	1N				3.20	4.30		H	
GRP26070	23	1911	1918	1912	N05	E14	.241	10381	24.8	7	--F			.32				2 2 2 5	
MCMA	23	1910	1916	1911	N04	E13	.225	10381	24.8	6	-F			1911	.31	.30		D	
PALE	23	1912	1920	1913	N05	E14	.241	10381	24.8	8	-F				.32				
GRP26071	23	2106	2130	2110	N13	E30	.509	10385	26.1	24	--N			.47				3 3 3 4	
SACP	23	2104	2130	2110	N14	E29	.498	10385	26.1	26	-N			.51	.52				
HUAN	23	2106	2130D	2110	N12	E30	.506	10385	26.1	24D	-N	2		2110	.37	.40		E	
MCMA	23	2107	2117D		N13	E30	.509	10385	26.1	10D	-N			2110	.52	.60		E	

20
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %		
					LAT.	MER. DIST.													
	1969																		
	OCT																		
GRP26072	23	2137	2200	2142	N12	E32	.535	10385	26.3	23	--F			.20				2 2 2 3	
SACP	23	2135	2159	2143	N12	E31	.520	10385	26.2	24	-F	C		.30	.32				
PALE	23	2138	2200	2140	N12	E32	.535	10385	26.3	22	-N	C		.10					
GRP26073	23	2211	2232	2216	S10	E40	.678	10386	26.9	21	--N			.33				2 2 2 4	
PALE	23	2211	2240	2217	S10	E40	.678	10386	26.9	29	-N	C		.36					
SACP	23	2211	2223	2214	S10	E40	.678	10386	26.9	12	-N	C		.30	.35				
GRP26074	23	2257	2331	2302	N13	E34	.565	10385	26.5	34	-N			1.31				4 4 4 5	
CULG	23	2231	2325	2259	N11	E30	.503	10385	26.2	54	1F	C	2259	2.78	3.10				
MANI	23	2255	2322	2302	N13	E34	.565	10385	26.5	27	-N	2	2302	1.29	1.57				
PALE	23	2258E	2335	2302	N13	E35	.579	10385	26.6	37D	-B	C		.36					
SACP	23	2258	2341	2305	N14	E35	.581	10385	26.6	43	-N	C		.80	.87				
GRP26076	23	2330	2342	2335	S15	E84	.997	10392	30.3	12	-N			.34				4 4 4 4	
SACP	23	2328	2340	2334	S13	E81	.991	10392	30.1	12	-N	C		.31					
CULG	23	2329	2345D	2334	S16	E84	.997	10392	30.3	16D	1N	P	2334	.52					
PALE	23	2331	2341	2336	S15	E85	.998	10392	30.4	10	-N	C		.25					
MANI	23	2332	2340	2335	S14	E85	.998	10392	30.4	8	-N	1	2335	.26	.73				
077 PALE	24	0039	0051D	0043	S11	E37	.646	10386	26.8	12D	--N	C		.12				3	
078 PALE	24	0102E	0111	0104	N10	E08	.161	10000	24.6	9D	--F	C		.12				3	
GRP26081	24	0208	0230	0211	N13	E27	.466	10385	26.1	22	--F			.93				2 1 1 3	
MANI	24	0208	0230	0211	N13	E27	.466	10385	26.1	22	-F	2	0211	.93	1.08				
CULG	24	0211	0236		N14	E26	.455	10385	26.0	25	1F	P	0224	2.68	2.86			L	
082 MANI	24	0335	0358D	0338	S11	E37	.646	10386	26.9	23D	-N	2	0338	.72	.95			4	
GRP26083	24	0501	0524	0507	N14	E26	.455	10385	26.2	23	-N			2.35				3 3 3 4	
CULG	24	0459	0536D	0507	N16	E28	.493	10385	26.3	37D	1N	P	0507	3.92	4.37			T	
MANI	24	0502	0518D	0507	N13	E25	.436	10385	26.1	16D	-B	2	0507	1.65	1.82				
SIBE	24	0505E	0517	0507	N12	E24	.418	10385	26.0	12D	-F	P	0507	1.49	1.70		65	EFI	
11 STATIONS REPORTING GROUP 26086. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP26086	24	0735	0914	0807	N11	E27	.459	10385	26.3	99	2N			4.60				7 6 6 9	
CAPS	24	0715E	0914D		N11	E25	.429	10385	26.2	119D	2N	2	P	0820	4.60	5.50			
HTPR	24	0735	0920	0810	N10	E25	.426	10385	26.2	105	2B	C	0810	5.16	5.80			EZ	
CAPE	24	0735	0850	0810	N12	E27	.462	10385	26.3	75	1N	C	0810	2.77	3.10			FH	
CRON	24	0736	0851	0751	N11	E28	.474	10385	26.4	75	1N	C		1.80	2.10				
CULG	24	0755E	0808D		N09	E28	.470	10385	26.4	13D	1N	P	0805	2.06	3.45				
TACH	24	0803E	0916		N12	E29	.492	10385	26.5	73D	2N	C	0810	6.84	7.70		104	EZ	
MONT	24	0817E	0932	0817	N11	E25	.429	10385	26.2	75D	2B	C	0817	6.19					
26086	24	0715	0845	0740	N09	E27	.455	10385	26.3	90	*1N			2.05				5 5 3 8	
CAPS	24	0715E	0914D		N11	E25	.429	10385	26.2	119D	2N	2	P	0735	1.50	1.70		220	W
ISTA	24	0715E	0745		N10	E28	.472	10385	26.4	30D	-N								
MANI	24	0727E	0742D		N11	E30	.504	10385	26.6	15D	1N	1	0736	1.86	2.18				
NERA	24	0730E	0844D	0736	N03	E32	.530	10385	26.7	74D	1N	2							
NERA	24	0730E	0836D	0739	N01	E22	.380	10385	26.0	66D	1N	2							
CANR	24	0734E	0854	0744D	N09	E27	.455	10385	26.3	80D	1N	C		2.80	3.10				
GRP26088	24	0930	0946	0935	S11	E33	.596	10386	26.9	16	-N			1.36				6 6 6 9	
KIEV	24	0929	0945	0934	S11	E35	.621	10386	27.0	16	-B	C	0934	1.00	1.30		85	DI	
MONT	24	0929	0943	0936	S11	E35	.621	10386	27.0	14	-N	C	0936	2.06				H	
HTPR	24	0930	0948	0937	S11	E29	.546	10386	26.6	18	-B	C	0937	1.03	1.30			E	
TACH	24	0932	0942	0934	S11	E34	.609	10386	26.9	10	1N	C	0934	2.09	2.60		76	E	
HERS	24	0933E	0945	0935	S11	E32	.584	10386	26.8	12D	-N	P	0936	1.36	1.70			HL	
CAPS	24	0938E	0951		S10	E34	.603	10386	27.0	13D	-N	3	V	0941	.60	.70		170	C
GRP26089	24	0931	0940	0934	N08	E21	.359	10385	26.0	9	-N			1.23				5 5 5 9	
TACH	24	0928	0947	0934	N07	E22	.374	10385	26.0	19	-B	8	C	0934	.91	1.00		80	D
KIEV	24	0931	0940	0935	N07	E22	.374	10385	26.0	9	-B	8	C	0935	1.00	1.10		80	DI
MONT	24	0932	0938	0935	N08	E22	.375	10385	26.0	6	-N	8	C	0935	2.06				
HTPR	24	0932	0938	0935	N06	E18	.308	10385	25.7	6	-N	8	C	0935	1.03	1.10			E
HERS	24	0933E	0938	0933D	N10	E21	.364	10385	26.0	5D	-N	8	P	0934	1.13	1.20			E
GRP26090	24	0942	1000	0947	N10	W01	.086	10381	24.3	18	--N			.69				5 5 5 10	
HTPR	24	0941	1000	0947	N09	W05	.109		24.0	19	-N	C	0947	.52	.50				
MONT	24	0941	1006	0945	N10	W01	.086		24.3	25	-N	C	0945	.77				H	
TACH	24	0942	1002	0946	N11	W01	.103		24.3	20	-B	C	0946	.83	.80		72	D	
HERS	24	0945	0954	0946	N11	E01	.103		24.5	9	-B	P	0946	.68	1.20			DH	
LOCA	24	0950E	0956	0950	N10	W01	.086		24.3	6D	-F	V	0950	.63	.60				
GRP26093	24	1225	1259	1231	N05	E05	.087	10381	24.9	34	--N			.73				3 3 3 6	
MCMA	24	1224	1310	1226	N05	E04	.070	10381	24.8	46	-N	C	1226	.77	.80			E	
CAPS	24	1225	1255		N06	E06	.105	10381	25.0	30	-N	3	V	1227	.60	.60		170	
HTPR	24	1226	1252	1235	N05	E04	.070	10381	24.8	26	-F	C	1235	.83	.80			E	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP26095	24	1334	1346	1336	N06	E04	.071	10381	24.9	12	--N				.83			2 2 2 7	
MCMA	24	1333	1350	1336	N05	E04	.070	10381	24.9	17	--N		C	1336	.52	.50	E		
MONT	24	1334	1342	1336	N06	E04	.071	10381	24.9	8	--N		C	1336	1.13				
GRP26096	24	1411	1428	1413	N14	E33	.554	10385	27.1	17	--N				1.13		8 8 7 9		
BOUL	24	1410	1430	1412	N13	E32	.538	10385	27.0	20	--N		V						
CAPE	24	1411	1430	1413	N14	E33	.554	10385	27.1	19	--N		C	1413	1.07	1.30			
MONT	24	1411	1416D	1413	N14	E34	.568	10385	27.1	5D	1B		C	1413	2.58				
SACP	24	1411	1430	1412	N14	E32	.541	10385	27.0	19	--N		C		1.02	1.07			
MCMA	24	1411	1437	1413	N12	E33	.549	10385	27.1	26	--B		C	1413	1.03	1.30	E		
HOUT	24	1411	1417	1412	N15	E32	.544	10385	27.0	6	--N		C		1.10	1.30			
CAPF	24	1412E	1425D		N13	E34	.566	10385	27.1	13D	--N		C	1416	.83	1.04			
MEUD	24	1418E	1425D		N14	E33	.554	10385	27.1	7D	--F		C	1418	.31	.40	D		
GRP26097	24	1504	1533	1507	N12	E26	.447	10385	26.6	29	--N				1.02		3 3 2 7		
MCMA	24	1503	1535D	1508	N12	E24	.418	10385	26.4	32D	--N	8	C	1508	1.03	1.20	E		
BOUL	24	1504	1520	1507	N12	E28	.477	10385	26.7	16	--N	8	V						
SACP	24	1505	1529	1507	N13	E24	.422	10385	26.4	24	--N	8	C		1.01	1.02			
BOUL	24	1513	1536	1514	N13	E30	.509	10385	26.9	23	--F	8	V						
GRP26099	24	1524	1535	1526	N13	E01	.137	10381	24.7	11	--N				.41		2 2 2 4		
SACP	24	1524	1535	1525	N13	E01	.137	10381	24.7	11	--N		C		.51	.50			
MCMA	24	1524	1535	1526	N12	E01	.120	10381	24.7	11	--N		C	1526	.31	.40	E		
GRP26101	24	1542	1608	1547	S11	E30	.558	10386	26.9	26	--B				.97		2 2 2 4		
MCMA	24	1537	1610	1547	S11	E30	.558	10386	26.9	33	--B	8	C	1547	.72	.80	V		
MCMA	24	1537	1610	1539	S11	E30	.558	10386	26.9	33	--B	8	C	1539	.41	.50	EK		
SACP	24	1546	1606	1547	S10	E29	.539	10386	26.8	20	--N	8	C		1.22	1.28			
GRP26103	24	1556	1610	1559	N20	E76	.966	10391	30.4	14	--N				.48		3 3 2 5		
CANR	24	1555	1615	1600	N19	E79	.978	10391	30.6	20	1N		C		.80	2.40	H		
MCMA	24	1557	1608	1559	N20	E76	.966	10391	30.4	11	--F		C	1559	.15	.60	D		
BOUL	24	1557	1606	1557	N22	E72	.948	10391	30.1	9	--N		V						
GRP26104	24	1827	1833	1829	S13	E71	.955	10392	30.1	6	--B				.40		2 2 1 3		
BOUL	24	1826	1834	1828	S12	E73	.964	10392	30.2	8	--B		V						
SACP	24	1827	1832	1830	S13	E69	.945	10392	29.9	5	--N		C		.40	.78			
105 HUAN	24	1840E	1904D		N11	E27	.459	10385	26.8	24D	--F	2	C	1851	.14	.20	D 3		
106 MCMA	24	1847	1912	1851	N05	E00	.003	10381	24.8	25	--F		C	1851	.52	.50	E 3		
GRP26107	24	1918	1934	1921	S11	E28	.533	10386	26.9	16	--F				.56		3 3 3 4		
MCMA	24	1918	1920D		S11	E28	.533	10386	26.9	2D	--F		P	1920	.52	.60	E		
SACP	24	1918	1934	1921	S10	E27	.513	10386	26.8	16	--N		C		.80	.84			
HUAN	24	1918	1934		S11	E28	.533	10386	26.9	16	--F	2	P	1923	.37	.40	D		
GRP26109	24	1928	1946	1932	N11	E18	.321	10385	26.2	18	--N				.47		4 3 3 6		
SACP	24	1927	1947	1933	N11	E17	.306	10385	26.1	20	--N		C		.51	.50			
BOUL	24	1928	1941	1931	N11	E30	.504	10385	27.1	13	--N		V						
HUAN	24	1929	1942		N10	E20	.349	10385	26.3	13	--F	1	P	1932	.50	.50	E		
MCMA	24	1938E	1950		N11	E18	.321	10385	26.2	12D	--N		P	1941	.41	.50	E		
GRP26111	24	2014	2025	2016	N11	E29	.489	10385	27.0	11	--N				.28		3 3 2 6		
BOUL	24	2014	2028	2016	N10	E30	.502	10385	27.1	14	--N		V						
SACP	24	2014	2019	2015	N12	E29	.492	10385	27.0	5	--B		C		.30	.31			
MCMA	24	2014	2028D		N12	E29	.492	10385	27.0	14D	--N		P	2017	.26	.30	DH		
GRP26114	24	2112	2134	2114	N15	E15	.305	10385	26.0	22	2N				4.80		4 4 4 4		
HOUT	24	2111	2120	2113	N14	E15	.296	10385	26.0	9	--N		C		1.40	1.50	EHL		
CULG	24	2111	2157	2115	N16	E14	.301	10385	25.9	46	2N		C	2115	10.52	10.70	EFHLRS		
SACP	24	2112	2131	2114	N16	E15	.314	10385	26.0	19	2B		C		5.88	5.81			
BOUL	24	2112	2120	2114	N15	E14	.291	10385	25.9	8	--N		C		1.40	1.50	EH		
BOUL	24	2113	2129	2115	N12	E20	.357	10385	26.4	16	2N		V						
120 PALE	25	0035E	0053D	0045	N15	W09	.230	10381	24.3	18D	--F		C		.21		3		
GRP26124	25	0523	0546	0530	S13	E18	.429	10386	26.6	23	1N				1.84		3 3 3 4		
CULG	25	0521	0547	0530	S12	E18	.418	10386	26.6	26	1N		C	0530	2.27	2.42			
MANI	25	0523	0553	0530	S13	E19	.440	10386	26.6	30	1N	3		0530	1.96	2.22			
CRON	25	0526	0537	0530	S13	E18	.429	10386	26.6	11	--N		C		1.30	1.40			
GRP26125	25	0600	0625	0608	N08	W06	.116	10381	24.8	25	--F				.41		3 2 1 5		
ISTA	25	0600E	0620		N06	W07	.122		24.7	20D	--N								
CRON	25	0602	0623	0608	N10	W08	.162		24.7	21	--F				1.30	1.30			
MANI	25	0617E	0629		N09	W05	.110		24.9	12D	--F	3		0620	.41	.42			

22
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA TH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
GRP26130	25	0824	0851	0831	N14	E10	.230	10385	26.1	27	--F			.90			2 2 2 3	
CAPE	25	0823	0850	0826	N13	E09	.206	10385	26.0	27	-F	C	0826	.89	.90		H	
ABST	25	0824	0852	0836	N14	E10	.230	10385	26.1	28	-F	C	0836	.90	.90	56	DK	
GRP26131	25	1043	1105	1045	N14	E07	.196	10385	26.0	22	-N			1.48			2 2 2 6	
ABST	25	1042	1105	1044	N14	E07	.196	10385	26.0	23	-N	C	1044	.90	.90	69	D	
UCCL	25	1043	1053D	1045	N13	E07	.183	10385	26.0	100	1N	P	1045	2.05	2.10		DI	
GRP26135	25	1535	1554	1538	N10	W17	.302	10381	24.4	19	-N			.96			5 5 4 5	
SACP	25	1533	1555	1538	N10	W17	.302	10381	24.4	22	-N	C		1.31	1.29			
BOUL	25	1534	1558	1535	N10	W17	.302	10381	24.4	24	-N	V						
HTPR	25	1535	1550	1538	N09	W18	.314	10381	24.3	15	-N	C	1538	1.55	1.60			
HUAN	25	1536	1552	1539	N09	W17	.298	10381	24.4	16	-N	1 C	1539	.37	.40		KE	
MCMA	25	1537E	1553	1539	N10	W18	.317	10381	24.3	160	-N	C	1539	.62	.70		EH	
GRP26136	25	1833	1902	1837	N11	W11	.215	10381	24.9	29	--F			.49			3 3 2 5	
PALE	25	1830	1906	1836	N13	W10	.219	10381	25.0	36	-F	C		.36				
BOUL	25	1835	1859	1837	N11	W11	.215	10381	24.9	24	-F	V						
MCMA	25	1836E	1852D		N12	W12	.237	10381	24.9	160	-N	C	1840	.62	.70		E	
PALE	25	1852	1905	1852	N06	W12	.208	10381	24.9	13	-F	C		.10				
137 PALE	25	1904	1936	1917	N11	E06	.146	10385	26.2	32	--F	C		.12			3	
GRP26138	25	1937	1947	1941	S14	W37	.661	10380	23.0	10	--F			.20			2 2 2 3	
PALE	25	1937	1948	1943	S13	W36	.644	10380	23.1	11	-F	C		.10				
SACP	25	1937	1946	1939	S14	W37	.661	10380	23.0	9	-F	C		.30	.34			
GRP26141	25	2154	2203	2155	N11	E03	.115	10385	26.1	9	--F			.38			2 2 2 3	
SACP	25	2153	2158	2155	N11	E02	.109	10385	26.1	5	-F	C		.51	.50			
PALE	25	2154	2207	2155	N11	E04	.124	10385	26.2	13	-N	C		.25				
GRP26142	26	0223	0250	0228	N12	W23	.403	10381	24.4	27	-N			1.18			4 4 4 4	
CULG	26	0218	0300	0226	N13	W24	.423		24.3	42	1N	C	0226	2.27	2.42		HFSL	
MITK	26	0224	0255	0227	N12	W22	.388		24.5	31	-N	C	0227	.93	1.00		EH	
PALE	26	0224	0241	0231	N12	W23	.403		24.4	17	-N	C		.32				
CRON	26	0224	0242	0228	N11	W24	.415		24.3	18	-N	C		1.20	1.30		H	
GRP26143	26	0402	0435	0408	S11	E08	.307	10386	26.8	33	-N			1.82			5 5 4 5	
CULG	26	0401	0447	0409	S10	E08	.292	10386	26.8	46	1N	C	0409	2.99	3.04		L	
CRON	26	0403	0425	0407	S11	E08	.307	10386	26.8	22	-N	C		1.60	1.70			
MANI	26	0404E	0406D		S10	E07	.284	10386	26.7	20	-N	1 C	0405	1.03	1.07			
MITK	26	0406E	0432		S11	E08	.307	10386	26.8	26D	-N	C	0407	1.65	1.70		EH	
SIBE	26	0406E	0421D		S11	E10	.323	10386	26.9	15D	1F	V					CE	
144 ABST	26	0617	0630	0618	N05	W22	.373	10381	24.6	13	-N	C	0618	1.07	1.20	64	E	
145 ABST	26	0617	0630	0620	N13	W17	.319	10381	25.0	13	--F	C	0620	.99	1.00	51	E	
GRP26146	26	0652	0710	0654	N11	W26	.445	10381	24.3	18	--F			.66			2 2 2 4	
ABST	26	0651	0710	0654	N11	W26	.445		24.3	19	-N	C	0654	.90	1.00	65	D	
MANI	26	0652	0709	0654	N11	W26	.445		24.3	17	-F	2 C	0654	.41	.46			
GRP26147	26	0853	0915	0859	N11	W26	.445	10381	24.4	22	-N			.84			8 8 6 9	
ISTA	26	0850	0910	0900	N13	W24	.423	10381	24.6	20	-N							
ABST	26	0852	0915	0900	N11	W27	.460	10381	24.3	23	-N	C	0900	.90	1.00	66	DH	
CAPE	26	0852	0925	0858	N12	W26	.448	10381	24.4	33	-N	C	0858	.89	1.00		H	
MONT	26	0854	0916	0900	N11	W25	.430	10381	24.5	22	-N	C	0900	.77			H	
HTPR	26	0855	0915	0859	N10	W28	.473	10381	24.3	20	-N	C	0859	.72	.80		E	
CAPS	26	0856E	0906D		N11	W23	.399	10381	24.6	10D	-B	3 V	0859	.50	.60	200	H	
CAPP	26	0900E	0910D		N11	W27	.460	10381	24.4	10D	-N	P	0902	1.24	1.38		H	
ONDR	26	0901E	0909D		N09	W25	.425	10381	24.5	8D	1F	V	0903			2.00	J	
GRP26149	26	1143	1151	1145	S15	E49	.793	10392	30.2	8	1B			1.56			4 4 4 5	
ABST	26	1142	1150	1145	S14	E49	.790	10392	30.2	8	1N	C	1145	1.97	2.90	76	DH	
HTPR	26	1142	1150	1145	S15	E48	.783	10392	30.1	8	1B	C	1145	1.44	2.20		C	
CAPE	26	1142	1152	1145	S15	E48	.783	10392	30.1	10	1B	C	1145	1.34	2.20		HV	
CAPS	26	1144	1150D		S14	E51	.809	10392	30.3	6D	1N	3 V	1145	1.50	2.60	183	H	
GRP26151	26	1344	1356	1346	N13	E04	.155	10385	26.9	12	--N			.77			4 4 4 5	
HUAN	26	1341	1355		N12	E03	.133	10385	26.8	14	-N	1 C	1347	.21	.20		E	
SACP	26	1345E	1352D	1346U	N13	E03	.149	10385	26.8	7D	-N	C		1.02	1.01			
CAPS	26	1345E	1358D		N13	E08	.195	10385	27.2	13D	-B	3 V	1348	1.00	1.00	221		
HTPR	26	1345	1355	1346	N12	E03	.133	10385	26.8	10	-N	C	1346	.83	.80		CE	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH FLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
GRP26152 HUAN HTPR ZURI CAPE CAPS	26	1413	1424	1415	N11	W28	.475	10381	24.5	11	--F				.55				5 5 5 5
	26	1411	1425D		N10	W30	.502		24.3	14D	-F	1	C	1418	.21	.20			D
	26	1413	1418	1416	N11	W30	.504		24.3	5	-F		C	1416	.41	.50			
	26	1413	1415D	1415	N11	W29	.490		24.4	2D	-N		P	1415	.84	1.00			
	26	1413	1430	1415	N12	W29	.492		24.4	17	-F		C	1415	.80	.90			H
	26	1415E	1422D		N11	W24	.415		24.8	7D	-N	3	V	1417	.50	.60		178	
GRP26153 HUAN CAPS HTPR	26	1435	1458	1438	N10	W03	.102	10385	26.4	23	--N				.44				3 3 3 4
	26	1434	1501		N09	W05	.111	10385	26.2	27	-F	1	C	1437	.21	.20			E
	26	1435E	1446D		N10	E00	.088	10385	26.6	11D	-N	3	V	1437	.50	.50		175	
	26	1436	1455	1438	N10	W05	.123	10385	26.2	19	-N		C	1438	.62	.60			
GRP26154 HUAN HUAN HTPR HUAN	26	1548	1552	1549	N11	W01	.106	10385	26.6	4	--B				.67				2 2 2 2
	26	1531	1700	1633	N12	E02	.127	10385	26.8	89	-B	1	C	1633	.62	.70			E
	26	1547	1552	1548	N12	E02	.127	10385	26.8	5	-F	1	C	1548	.33	.40			E
	26	1548	1552	1550	N11	E03	.117	10385	26.9	4	-N		C	1550	.72	.70			C
	26	1633	1805D	1645	N09	W11	.202	10385	25.9	92D	-F	1	C	1645	.14	.15			D
155 PALE	26	1833	1844	1837	N15	W12	.267	10385	25.9	11	--N		C		.14				3
GRP26156 PALE PALE PALE HUAN	26	1847	2041	2010	N12	W06	.160	10385	26.3	114	--F				.29				2 2 2 3
	26	1847	1950	1925	N13	E00	.140	10385	26.8	63	-N				.19				
	26	1847	1950	1855	N13	E00	.140	10385	26.8	63	-N		C		.12				
	26	1950	2041D	2010	N11	W08	.173	10385	26.2	51D	-N		C		.36				
	26	2011E	2016D		N11	W09	.187	10385	26.2	5D	-F	1	P	2011	.21	.20			E
GRP26157 HUAN PALE	26	2022	2032	2025	S29	W42	.796	10382	23.7	10	--B				.62				2 1 1 3
	26	2022E	2032	2025	S29	W42	.796	10382	23.7	10D	-B	1	C	2025	.62	1.00			E
	26	2022	2052D	2041	S30	W41	.794	10382	23.8	30D	-B		C		.38				
GRP26158 PALE HUAN	26	2115	2135	2124	N13	W02	.144	10385	26.7	20	--F				.24				2 2 2 2
	26	2108E	2141	2124	N14	W02	.160	10385	26.7	33D	-F		C		.23				
	26	2122	2128		N12	W02	.127	10385	26.7	6	-F	1	C	2124	.25	.25			E
159 PALE	26	2249	2311D	2250	N13	W09	.207	10385	26.3	22D	--N		C		.14				2
GRP26162 MANI CRON	27	0159	0206	0201	N20	E79	.978	10397	2.0	7	-N				.51				2 2 2 5
	27	0158	0207	0201	N19	E78	.975	10397	1.9	9	-N	1		0201	.62	1.53			
	27	0159	0204	0201	N20	E80	.981	10397	2.1	5	-N		C		.40	1.20			
GRP26164 MANI MANI VORO VORO	27	0215	0248	0221	N12	W08	.185	10385	26.5	33	-B				2.21				2 2 2 5
	27	0148	0215D	0151	N14	W04	.173	10385	26.8	27D	-F	2		0151	.31	.31			
	27	0212	0248		N12	W08	.185	10385	26.5	36	-N	1		0226	1.55	1.57			
	27	0217	0229D	0221	N12	W04	.142	10385	26.8	12D	1B	8	C	0221	2.03	2.02		91	E
	27	0221	0229D	0223	N08	W17	.295	10385	25.8	8D	-B	8	C	0223	.84	.85		76	D
GRP26165 MANI PALE PALE	27	0256	0314	0305	N13	W09	.209	10385	26.4	18	--F				.58				2 2 2 5
	27	0256	0310D		N12	W11	.225	10385	26.3	14D	-F	1		0305	1.03	1.06			
	27	0258E	0302	0258D	N12	W04	.142	10385	26.8	4D	-F		C		.10				
	27	0302E	0314	0305	N15	W09	.233	10385	26.5	12D	-F		C		.12				
GRP26166 MANI CULG CRON MANI	27	0454	0529	0501	N18	E76	.967	10397	1.9	35	1N				.92				3 3 3 4
	27	0452E	0458D		N18	E75	.962	10397	1.8	6D	-F	1		0458	.62	1.45			
	27	0453E	0539D	0501	N18	E73	.953	10397	1.7	46D	1N		P	0501	1.34			Z	
	27	0458	0508	0501	N17	E80	.982	10397	2.2	10	1B		C		.80	2.40			
	27	0531E	0540		N18	E74	.958	10397	1.8	9D	-N	1		0531	.26	.59			
167 MANI	27	0546E	0610	0552	N11	W14	.261	10385	26.2	24D	--N	2		0552	.62	.65			2
168 MANI	27	0556	0615	0600	N09	W39	.628	10381	24.3	19	--F	2		0600	.46	.61			2
GRP26169 ISTA MANI CATA ONDR MONT ZURI HTPR	27	0816	0824	0818	N10	W16	.287	10385	26.1	8	--N				.93				7 7 5 12
	27	0810	0825		N10	W08	.164	10385	26.7	15	-F								
	27	0816	0827	0818	N12	W16	.298	10385	26.1	11	-N	3		0818	.93	.97			
	27	0817E	0825	0817	N10	W17	.303	10385	26.1	8D	-B			0817	.63	.67			
	27	0817E	0825		N09	W19	.331	10385	25.9	8D	-F		V	0821			1.60		DHJ
	27	0817	0824	0818	N11	W17	.307	10385	26.1	7	-N		C	0818	1.75				
	27	0817E	0819	0817	N10	W18	.318	10385	26.0	2D	-N		P	0817	.71	.70			
	27	0818	0823	0818	N10	W14	.255	10385	26.3	5	-F		C	0818	.62	.60			C
GRP26170 MONT HTPR CAPS	27	0843	0849	0845	N19	E70	.937	10397	1.6	6	-N				.79				3 3 3 10
	27	0842	0848	0844	N19	E70	.937	10397	1.6	6	-N		C	0844	1.13				
	27	0844	0850	0846	N18	E70	.937	10397	1.6	6	-N		C	0846	.83				
	27	0844E	0850D		N21	E71	.943	10397	1.7	6D	-N	3	V	0847	.40			170	

24
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969																	
	OCT																	
GRP26171	27	0847	0901	0848	N13	W09	.209	10385	26.7	14	--B		.93					
MONT	27	0846	0855	0848	N15	W07	.212	10385	26.8	9	-N	C	0848	1.13			6 6 6 10	
MANI	27	0846	0916D	0848	N13	W09	.209	10385	26.7	30D	-N	2	0848	.72	.74			
CATA	27	0847	0900	0847	N13	W09	.209	10385	26.7	13	-B		0847	.58	.59			
BUCA	27	0847	0901D		N13	W07	.185	10385	26.8	14D	-B	C	0848	1.66	1.70		407	
ZURI	27	0847	0856	0848	N13	W10	.221	10385	26.6	9	-N	C	0848	.67	.70		E	
HTPR	27	0848	0856	0850	N12	W10	.211	10385	26.6	8	-B	C	0850	.83	.80		D	
GRP26172	27	0902	0915	0906	N10	W40	.642	10381	24.4	13	--N		.69				6 6 6 10	
MONT	27	0901	0917	0906	N11	W39	.630		24.5	16	-N	C	0906	1.13				
MANI	27	0901	0916D	0905	N11	W40	.643		24.4	15D	-N	1	0905	.52	.68			
CATA	27	0902	0920	0905	N09	W40	.641		24.4	18	-B		0905	.63	.83		355	
CAPS	27	0903E	0910D		N10	W38	.616		24.5	7D	-N	3	0905	.40	.50		180	
ZURI	27	0903	0910	0906	N11	W40	.643		24.4	7	-N	C	0906	1.05	1.40			
HTPR	27	0904	0918	0910	N10	W41	.655		24.3	14	-N	C	0910	.41	.50			
7 STATIONS REPORTING GROUP 26173. 5 STATIONS OBSERVING AND NOT REPORTING.																		
GRP26173	27	0923	0952	0932	N13	W09	.209	10385	26.7	29	-N		1.36				5 5 4 12	
BUCA	27	0921	0950D		N13	W08	.196	10385	26.8	29D	-N	C	0928	1.10	1.10			
ZURI	27	0922	0953	0930	N12	W10	.211	10385	26.6	31	-N	C	0930	1.05	1.10			
MONT	27	0923	0935	0928	N15	W08	.222	10385	26.8	12	-N	C	0928	2.27			H	
HTPR	27	0925	1000	0937	N12	W08	.185	10385	26.8	35	-N	C	0937	1.03	1.00			
ONDR	27	0926E	1001		N12	W10	.211	10385	26.6	35D	1N	V	0928			2.30	CHJK	
26173	27	0933	0953	0942	N12	W09	.198	10385	26.7	20	*-N		1.18				3 3 2 10	
HTPR	27	0925	1000	0947	N12	W08	.185	10385	26.8	35	-N	C						
CAPF	27	0937E	0950		N11	W08	.174	10385	26.8	13D	1N	P	0939	2.06	2.10		H	
CATA	27	0937	0950	0937	N13	W12	.248	10385	26.5	13	-B		0937	.29	.30		331	
GRP26175	27	1054	1103	1056	N19	E69	.931	10397	1.6	9	-N		.60				7 7 6 10	
CATA	27	1052	1105	1055	N20	E70	.937	10397	1.7	13	-B		1055	.34			324	
MONT	27	1053	1058	1055	N19	E68	.925	10397	1.6	5	-N	C	1055	.77				
MEUD	27	1053	1058		N18	E70	.937	10397	1.7	5	-F	C	1055	.21			D	
ZURI	27	1053	1101	1056	N19	E68	.925	10397	1.6	8	1N	C	1056	1.05				
HTPR	27	1055	1102	1056	N18	E70	.937	10397	1.7	7	-N	C	1056	.62				
CAPS	27	1055E	1107		N20	E70	.937	10397	1.7	12D	-N	4	V	1057	.60		182	
ONDR	27	1057E	1107		N16	E67	.918	10397	1.5	10D	1N	V	1058			3.10	CHJS	
GRP26178	27	1205	1234	1217	N20	E78	.975	10397	2.4	29	-N		.93				5 4 3 10	
MONT	27	1204	1241	1218	N20	E82	.987	10397	2.7	37	-N	C	1218	1.20				
HTPR	27	1205	1235	1218	N20	E75	.962	10397	2.1	30	-F	C	1218	.93			E	
MEUD	27	1205	1217D		N21	E75	.963	10397	2.1	12D	-F	C	1205	.21				
ZURI	27	1206	1228	1216	N21	E78	.975	10397	2.4	22	1N	C	1216	.67				
ONDR	27	1210E	1233		N18	E75	.962	10397	2.1	23D	1N	V	1213			2.20	CJ	
GRP26183	27	1432	1442	1436	N18	E67	.918	10397	1.6	10	1B		2.92				8 8 7 9	
LOCA	27	1430	1442	1435	N18	E66	.911	10397	1.6	12	2N	V	1435	3.48			H	
ZURI	27	1431	1436D	1436	N19	E68	.925	10397	1.7	5D	2B	P	1436	3.57				
HUAN	27	1432	1441	1435	N19	E68	.925	10397	1.7	9	-N	1	C	1435	.37		D	
MONT	27	1432	1440	1435	N18	E69	.931	10397	1.8	8	1B	C	1435	4.54				
HOUT	27	1432	1440	1436	N18	E68	.924	10397	1.7	8	2B	C		4.20	9.70		H	
ONDR	27	1433E	1446		N16	E65	.904	10397	1.5	13D	2B	V	1436			7.00	CHJS	
HTPR	27	1434	1445	1438	N17	E65	.904	10397	1.5	11	1B	C	1437	2.27				
CANR	27	1434	1440	1436	N19	E68	.925	10397	1.7	6	1B	C		2.00	4.40		Z	
GRP26185	27	1747	1830	1750	S12	W10	.335	10386	27.0	43	--F		.21				2 2 2 5	
HUAN	27	1745E	1858D		S10	W10	.307	10386	27.0	73D	-F	1	C	1750	.21	.20		E
PALE	27	1748	1802	1750	S13	W10	.349	10386	27.0	14	-F	C		.21				
186 PALE	27	2046	2054	2050	N18	E66	.911	10397	1.8	8	--N	C	.29				2	
GRP26187	27	2053	2107	2103	N10	W23	.397	10385	26.1	14	-B		.96				2 2 2 3	
PALE	27	2053	2107D	2103	N09	W23	.394	10385	26.1	14D	-B	C		.62				
MCMA	27	2103E	2104D		N11	W23	.400	10385	26.2	1D	-B	P	2103	1.29	1.40		E	
188 HOUT	27	2125E	2140	2125U	N10	W24	.412	10385	26.1	15D	-N	C		1.80	2.00		E 1	
	27	2140	2200	NO FLARE PATROL														
GRP26192	28	0550	0623	0600	N10	W48	.741	10381	24.6	33	1N		1.84				3 3 3 6	
MANI	28	0549	0558D		N10	W48	.741		24.6	9D	-N	2	0557	.72	1.08			
MITK	28	0550	0616	0555	N10	W49	.753		24.6	26	1F	C	0555	1.86	2.80		E	
TACH	28	0551	0630	0604	N10	W48	.741		24.6	39	1N	C	0604	2.94	4.40	1.60	72	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA TH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1969																		
	OCT																		
GRP26193	28	0744	0751	0746	N13	W24	.424	10385	26.5	7	-N				.97			5 5 5 7	
CAPS	28	0744	0750		N14	W22	.400	10385	26.7	6	-N	4	V	0746	.70	.80	190		
CRON	28	0744	0751	0746	N13	W23	.409	10385	26.6	7	-N		C		1.00	1.10		E	
TACH	28	0744	0751	0745	N12	W28	.479	10385	26.2	7	-N		C	0745	1.24	1.40	2.00	60	
TACH	28	0744	0751	0749	N12	W28	.479	10385	26.2	7	-N							E	
HTPR	28	0745	0753	0747	N13	W23	.409	10385	26.6	8	-N		C	0747	1.34	1.40		E	
CATA	28	0745	0750	0745	N14	W23	.414	10385	26.6	50	-B			0745	.58	.64	246		
GRP26195	28	1000	1029	1010	N10	W32	.532	10385	26.0	29	-N				.66			4 4 3 9	
MONT	28	0959	1018	1009	N10	W33	.546	10385	25.9	19	-N		C	1009	.77				
HTPR	28	1001	1023	1011	N10	W32	.532	10385	26.0	22	-N		C	1011	.72	.80		E	
ONDR	28	1002E	1056		N09	W34	.559	10385	25.9	540	1N		V	1011			2.20	CJK	
CAPS	28	1009E	10180		N11	W29	.490	10385	26.2	90	-N	4	V	1011	.50	.60	170		
26195	28	1028	1050	1031	N10	W31	.517	10385	26.1	22	*1B				2.83			10 10 10 10	
CAPP	28	1002E	10530	1027	N10	W29	.488	10385	26.2	510	1N		P	1029	3.71	4.32			
CATA	28	1012E	10550	1030	N10	W31	.517	10385	26.1	430	-B			1030	1.39	1.64	457	Z	
LOCA	28	1025	1045	1028	N08	W32	.529	10385	26.0	20	1N		V	1028	2.10	2.40			
UCCL	28	1026	1044	1031	N10	W31	.517	10385	26.1	18	1B		C	1031	2.60	4.00		E	
MONT	28	1027	1046	1031	N10	W31	.517	10385	26.1	19	1B		C	1031	3.40				
BUCA	28	1028	1055	1032	N10	W29	.488	10385	26.3	27	1B		C	1032	4.42	5.00			
CAPS	28	1028E	10550		N10	W31	.517	10385	26.1	270	1B	4	P	1034	3.00	3.50	216		
MEUD	28	1028	1040	1031	N10	W30	.503	10385	26.2	12	-N		C	1031	1.75	2.00		E	
HTPR	28	1030	1050	1034	N10	W33	.546	10385	26.0	20	1B		C	1034	2.48	2.90			
HERS	28	1030E	1055	1032	N10	W31	.517	10385	26.1	250	1N		P	1041	3.45	4.50	1.10	52	
26195	28	1048	1058	1049	N13	W26	.453	10385	26.5	10	*-N				.65			3 3 2 10	
CATA	28	1047	10550	1047	N13	W26	.453	10385	26.5	80	-N			1047	.29	.32	191		
UCCL	28	1049	1057	1049	N15	W25	.448	10385	26.6	8	-N		C	1049	1.00	1.40		E	
ONDR	28	1052E	1059		N11	W26	.446	10385	26.5	70	-N		V	1053			2.00	CDJ	
GRP26196	28	1114	1139	1124	N11	W27	.461	10385	26.4	25	-N				1.89			4 4 4 8	
BUCA	28	1110	1145	1125	N10	W26	.443	10385	26.5	35	1F		C	1125	3.32	3.70		E	
HTPR	28	1110	1140	1125	N12	W27	.464	10385	26.4	30	-F		C	1125	1.34	1.40		EI	
CATA	28	1115	11350	1122	N10	W27	.458	10385	26.4	200	-B			1122	1.33	1.51	240		
UCCL	28	1119	1134	1122	N12	W28	.479	10385	26.4	15	-N		C	1122	1.55	1.80		EI	
GRP26197	28	1218	1224	1219	N12	W22	.389	10385	26.9	6	--F				.55			4 4 3 6	
CATA	28	1217E	1225	1217	N13	W23	.409	10385	26.8	80	-B			1217	.52	.57	246		
ONDR	28	1217E	1221		N11	W23	.400	10385	26.8	40	-F		V					EJ	
MEUD	28	1218	1222	1218	N12	W21	.374	10385	26.9	4	-F		C	1218	.31	.30		E	
HTPR	28	1220	1227	1221	N13	W22	.394	10385	26.9	7	-F		C	1221	.83	.80		C	
GRP26199	28	1459	1528	1509	N09	W34	.559	10385	26.1	29	--N				.48			4 4 4 6	
HTPR	28	1450	1530	1513	N10	W35	.575	10385	26.0	40	-F		C	1513	.41	.50		E	
LOCA	28	1503	1510	1505	N08	W35	.572	10385	26.0	7	-N		V	1505	.63	.70			
MCMA	28	1505	1550	1508	N10	W34	.561	10385	26.1	45	-N		C	1508	.36	.40		E	
CAPS	28	1512E	15200		N09	W32	.530	10385	26.2	80	-N	4	V	1513	.50	.60	170	GE	
GRP26200	28	1553	1626	1557	N18	E53	.803	10397	1.6	33	-N				.72			3 3 3 3	
HUAN	28	1552E	1636	1557	N19	E52	.794	10397	1.6	440	-F	1	P	1557	.25	.40		E	
MCMA	28	1552	1615	1556	N18	E55	.822	10397	1.8	23	-N		C	1556	.36	.60		E	
HTPR	28	1555	16130	1559	N18	E53	.803	10397	1.6	180	1N		C	1559	1.55	2.40		E	
GRP26201	28	1608	1645	1609	N11	W32	.534	10385	26.3	37	--B				.73			3 3 3 3	
HUAN	28	1607E	16240	1609	N11	W33	.548	10385	26.2	170	-N	1	C	1609	.33	.40		E	
MCMA	28	1607	1645	1609	N12	W32	.536	10385	26.3	38	-B		C	1609	1.03	1.30		E	
HTPR	28	1610	16130		N10	W32	.532	10385	26.3	30	-B		C	1611	.83	.90		E	
202 PALE	28	1706	1725	1709	N09	E36	.587	10394	31.4	19	--N		C		.19			3	
203 MCMA	28	1707	1717	1709	N12	W33	.550	10385	26.2	10	--N		C	1709	.36	.50		E	
205 PALE	28	2228	2237	2230	N13	W28	.482	10385	26.8	9	--N		C		.19			2	
206 MITK	29	0010	0017	0011	N13	W30	.511	10385	26.8	7	--F		C	0011	.72	.80		E	
GRP26207	29	0158	0211	0201	N14	W32	.543	10385	26.7	13	-B				1.08			3 3 3 4	
VORO	29	0158	0209	0159	N11	W32	.534	10385	26.7	11	1B		C	0159	2.03	2.36	112	DJ	
MITK	29	0158	0212	0200	N14	W31	.529	10385	26.8	14	-N		C	0200	1.03	1.20		E	
PALE	29	0204E	0211	0205	N18	W32	.559	10385	26.7	70	-B		C		.17				
208 CRON	29	0449	0506	0453	N21	E55	.826	10397	2.3	17	1N		C		1.50	2.60		EL	
209 MITK	29	0518	0540	0519	N21	E55	.826	10397	2.3	22	--F		C	0519	.83	1.40		E	

26
Oct 69

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
GRP26212	29	0932	0951	0935	N19	E45	.721	10397	1.8	19	-N			.99			3 3 2 4	
CATA	29	0932	0955	0935	N19	E44	.710	10397	1.7	23	-B		0935	.98	1.39			
CAPS	29	0935E	0951D		N17	E44	.705	10397	1.7	16D	-N	3	V	0938	1.00	1.40		
HURB	29	0939E	0947		N20	E46	.735	10397	1.9	8D	-F					2.20	407 168	
GRP26214	29	1013	1019	1015	N13	W34	.567	10385	26.9	6	--N			.75			3 3 3 6	
CATA	29	1012	1020	1012	N13	W35	.581	10385	26.8	8	-B			.63	.79			
MEUD	29	1013	1016	1015	N12	W34	.565	10385	26.9	3	-F		C	1015	.41	.50	E	
CAPS	29	1014E	1020D		N15	W32	.546	10385	27.0	6D	-F	3	V	1015	1.20	1.40	157	
GRP26216	29	1247	1315	1252	S14	W06	.336	10400	29.1	28	-N			.92			3 3 3 7	
CATA	29	1247E	1315	1252	S14	W05	.331	10400	29.2	28D	-B			.75	.80			
CAPS	29	1250E	1315D		S13	W05	.315	10400	29.2	25D	-N	3	V	1253	1.50	1.60	324	
MCMA	29	1254E	1256D		S14	W07	.341	10400	29.0	2D	-F		P	1255	.52	.60	168	
GRP26221	29	1521	1529	1521	N10	W49	.753	10385	26.0	8	--F			.36			2 2 2 4	
HUAN	29	1520	1525D		N10	W50	.764	10385	25.9	5D	-F	1	C	1520	.31	.50	D	
HTPR	29	1521	1529	1521	N10	W48	.741	10385	26.0	8	-F		C	1521	.41	.60	C	
GRP26223	29	1615	1635	1618	N11	W47	.731	10385	26.2	20	--F			.51			2 2 2 3	
HUAN	29	1614	1626D		N11	W47	.731	10385	26.2	12D	-F	1	P	1615	.31	.50	E	
SACP	29	1615	1635	1618	N10	W47	.730	10385	26.2	20	-N		C		.71	.85		
224 SACP	29	1656	1710	1705U	N21	E50	.779	10397	2.5	14	--F		C		.30	.39	2	
GRP26225	29	1744	1801	1747	N23	E48	.763	10397	2.3	17	--B			.56			2 2 2 2	
PALE	29	1744	1801D	1747	N23	E47	.753	10397	2.3	17D	-B		C		.65			
MCMA	29	1753E	1758D		N22	E48	.761	10397	2.3	5D	-N		P	1754	.46	.70	E	
GRP26226	29	1754	1800	1754	N08	W52	.785	10385	25.8	6	--F			.27			2 2 2 2	
MCMA	29	1753E	1758D		N08	W52	.785	10385	25.8	5D	-F		P	1754	.36	.60	E	
PALE	29	1754	1800	1754	N07	W51	.775	10385	25.9	6	-N		C		.17			
227 PALE	29	1830	1837	1832	N13	W40	.647	10385	26.8	7	--F		C		.40		1	
228 PALE	29	1858	1904	1900	N22	E38	.651	10397	1.6	6	--F		C		.32		1	
229 PALE	29	1920E	1939D	1923	N10	W48	.741	10385	26.2	19D	--N		C		.08		2	
230 PALE	29	1959E	2011D	2001	N07	W65	.904	10381	25.0	12D	--B		C		.04		2	
231 PALE	29	2133	2141	2133	N10	W52	.786	10385	26.0	8	--B		C		.08		1	
GRP26232	29	2225	2244	2229	N20	E68	.925	10399	4.0	19	--N			.32			2 2 2 2	
PALE	29	2224	2242	2227	N20	E68	.925	10399	4.0	18	-N		C		.12			
SACP	29	2225	2245	2231	N20	E67	.919	10399	4.0	20	-N		C		.51	.88		
GRP26233	29	2251	2301	2253	N08	W53	.796	10385	26.0	10	--N			.45			2 2 2 3	
SACP	29	2249	2301	2252	N08	W52	.785	10385	26.1	12	-N		C		.61	.78		
PALE	29	2252	2300	2254	N07	W53	.796	10385	26.0	8	-N		C		.29			
GRP26238	30	0927	1009	0935	N08	W57	.836	10385	26.1	42	2N			3.94			9 8 7 9	
CRON	30	0855	0925	0900	N08	W56	.826	10385	26.2	30	2B		C		3.10	5.30	E	
CATA	30	0925	1010D	0929	N08	W57	.836	10385	26.1	45D	2B			3.01	5.69			
CANR	30	0926	0954	0931	N08	W57	.836	10385	26.1	28	2B		C		3.80	6.80		
MEUD	30	0927E	1000		N08	W56	.826	10385	26.2	33D	1N		C	0928	2.06	3.60	F	
BUCA	30	0930	1029	0932	N07	W58	.845	10385	26.0	59	2B		C	0932	5.54	9.00		
CAPS	30	0935E	0938D		N11	W58	.846	10385	26.0	3D	2B	2	P	0937	5.10	10.00	246	
HURB	30	0936E	0947D		N06	W56	.827	10385	26.2	11D	2F					2.80		
HERS	30	0940E	1010	0940U	N08	W58	.845	10385	26.1	30D	2N		P	0940	4.43	8.20	1.70	
KODA	30	0940E	0952D	0943	N09	W58	.845	10385	26.1	12D	1N		P	0940	3.65	3.65	2.08	
242 MCMA	30	1914	1919	1916	N21	E58	.853	10399	4.2	5	--F		C	1916	.26	.50	D	
GRP26243	30	2003	2155	2030	N21	E47	.748	10399	3.4	112	1F			4.03			2 2 3 4	
SACP	30	2003	2155	2030	N21	E47	.748	10399	3.4	112	1F		C		4.03	4.94		
CULG	30	2005	2035	2015	N22	E43	.708	10399	3.1	30	1N		C	2015	1.55	2.10		
CULG	30	2010	2025	2015	N20	E50	.777	10399	3.6	15	1N		C	2015	1.34	2.08		
GRP26245	31	0150	0200	0152	N14	W62	.881	10385	26.4	10	-N			.84			4 4 4 5	
MITK	31	0149	0156	0151	N14	W60	.864	10385	26.6	7	-N		C	0151	.83	1.70	D	
MANI	31	0149	0208	0151	N13	W62	.881	10385	26.4	19	-N	2		.83	1.56			
CRON	31	0149	0156	0152	N14	W64	.897	10385	26.3	7	1N		C		1.40	3.00		
PALE	31	0151	0158	0153	N14	W62	.881	10385	26.4	7	-B		C		.29			
249 ABST	31	0550	0630	0604	N09	W69	.931	10385	26.1	40	1F		C	0604	1.43		55	
250 ABST	31	0550	0630	0604	N15	W74	.958	10385	25.7	40	--F		C	0604	.90		D	

SOLAR FLARES

Confirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1969 OCT																		
GRP26255	31	1355	1405	1359	N15	W79	.979	10385	25.7	10	--N								
MONT	31	1354	1403	1359	N15	W79	.979	10385	25.7	9	-N			1359	.31				4 4 3 7
HTPR	31	1355	1405	1401	N15	W80	.982	10385	25.6	10	-F			1401	.21				
CANR	31	1355	1405	1400	N15	W79	.979	10385	25.7	10	-N				.41				
BOUL	31	1357E	1406	1359	N14	W80	.982	10385	25.6	9D	-F				.40	1.20			
GRP26259	31	2102	2155	2108	S15	E07	.353	10396	1.4	53	--N								
BOUL	31	2102	2125D	2104	S15	E06	.348	10396	1.3	23D	-N				.48				2 2 1 5
PALE	31	2102	2155	2111	S14	E07	.338	10396	1.4	53	-N				.48				
PALE	31	2102	2155	2117	S14	E07	.338	10396	1.4	53	-N				.32				

Note:

A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.

When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the ESSA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity nor are these subflares included in the Flare Index below.

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
691001	15.52	24.0	691011	31.46	17.4	691021	67.28	24.0
691002	79.93	24.0	691012	8.95	24.0	691022	93.31	24.0
691003	48.15	24.0	691013	9.72	22.5	691023	35.99	24.0
691004	19.36	24.0	691014	127.90	24.0	691024	301.32	24.0
691005	88.79	24.0	691015	8.09	24.0	691025	34.29	24.0
691006	63.10	24.0	691016	8.19	24.0	691026	47.44	24.0
691007	41.03	24.0	691017	0.54	24.0	691027	119.77	23.3
691008	65.09	23.2	691018	9.25	24.0	691028	46.72	23.8
691009	39.15	24.0	691019	20.56	21.5	691029	27.67	24.0
691010	26.75	24.0	691020	37.53	24.0	691030	167.65	24.0
						691031	14.52	24.0

28
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMTPLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
520 ABST	01	0552	0600	0555	S13	E26	.537	10344	3.2	8	-F	C	0555	.90	1.10		54	DK 5
521 ISTA	01	0754	0815		S13	W45	.753	10334	28.0	21	-F							9
524 ABST	01	0923	0940	0827	N09	W59	.852	10333	27.0	17	-F	C	0927	.71	1.30		50	D 9
526 CATA	01	1035	1125	1040	S13	E15	.418	10343	2.6	50	-B		1040	.69	.77		229	9
GRP25627 HTPR BOUL	01	1225	1350	1323	N26	E90	.999	10352	8.3	85	-F							2 2 0 8
	01	1225	1355		N25	E90	.999	10352	8.3	90	-F	C						
	01	1314E	1344	1323	N26	E90	.999	10352	8.3	300	-N	V						
528 CATA	01	1244E	1255D	1244	S14	E13	.413	10343	2.5	110	-N		1244	.23	.26		186	7
529 BOUL	01	1358	1411	1403	N26	E90	.999	10352	8.3	13	-N	V						6
530 BOUL	01	1416	1505	1428	N26	E90	.999	10352	8.3	49	-N	V						6
531 BOUL	01	1513	1540	1516	N26	E90	.999	10352	8.4	27	-N	V						5
532 BOUL	01	1528	1537	1530	S10	W67	.932	10332	26.6	9	-F	V						5
533 BOUL	01	1616	1630	1621	N26	E90	.999	10352	8.4	14	-B	V						5
534 HUAN	01	1642E	1718D		S13	E19	.459	10344	3.1	36D	-F	1 C	1650	.14	.20			E 6
GRP25635 PALE BOUL	01	1653	1728	1703	N26	E90	.999	10352	8.5	35	-N			.92				2 2 1 6
	01	1650E	1716	1706	N25	E90	.999	10352	8.5	26D	-N	C		.92				
	01	1656	1740	1659	N26	E90	.999	10352	8.5	44	-N	V						
539 PALE	01	2124	2143	2126	S12	E16	.416	10344	3.1	19	-F	C		.59				4
541 VORO	01	2259	2318	2306	N04	W70	.938	10333	26.7	19	-B	C	2306	.46	1.20		66	D 5
GRP25643 PALE CULG	02	0029	0048	0031	N26	E86	.994	10352	8.5	19	-N			1.06				2 1 1 6
	02	0029E	0048	0031	N26	E86	.994	10352	8.5	19D	-N	C		1.06				
	02	0040	0101	0050	N26	E86	.994	10352	8.5	21	1N	C	0050	.52				T
545 CULG	02	0228E	0232D	0229	N26	E85	.992	10352	8.5	4D	1N	P	0229	.62				T 3
548 CULG	02	0535	0549	0541	N26	E83	.987	10352	8.5	14	1N	C	0541	.93				T 3
549 CULG	02	0622E	0641	0624	N26	E83	.987	10352	8.5	19D	1N	P	0624	1.34				T 7
550 CULG	02	0646	0706	0648	N08	W72	.947	10333	26.9	20	1F	C	0648	.83				7
551 CULG	02	0649	0702	0651	N26	E83	.987	10352	8.5	13	1N	C	0651	.72				T 7
552 ISTA	02	0736	0756		N28	E87	.995	10352	8.8	20	-N							9
553 ISTA	02	0748	0758		N18	E52	.787	10351	6.2	10	-N							10
GRP25654 MEUD ISTA	02	0810	0815	0812	S14	W34	.637	10337	29.8	5	-F			.31				2 2 1 7
	02	0809	0813		S16	W34	.651	10337	29.8	4	-F	C	0810	.31	.40			
	02	0810	0816	0812	S12	W33	.612	10337	29.9	6	-N							
GRP25657 HURB CAPS	02	0924	0942	(0927)	N18	E47	.733	10351	5.9	18	-F			.50				2 2 1 6
	02	0924	0942		N19	E46	.724	10351	5.8	18	-F					1.70		
	02	0926E	0935D		N17	E47	.732	10351	5.9	9D	-F	3 V	0927	.50	.70		140	C
564 SACP	02	1502	1520	1512	S13	W39	.688	10337	29.7	18	-F	C		.41	.47			6
565 HUAN	02	1526E	1545D		N15	E45	.706	10351	6.0	19D	-F	1 C	1528	.37	.50			E 6
GRP25668 HUAN BOUL	02	1621	1628	1624	S12	E06	.336	10344	3.1	7	-N			.45				2 2 1 6
	02	1621	1628	1623	S12	E06	.336	10344	3.1	7	-N	2 C	1623	.45	.50			D
	02	1621	1628	1625	S12	E06	.336	10344	3.1	7	-N	8 V						
572 PALE	02	1948E	1948D		S03	E06	.197	10344	3.3		-F	C		.50				4
GRP25673 BOUL HUAN	02	2102	2132	2117	N27	E78	.972	10352	8.7	30	-F			.25				2 2 1 6
	02	2102	2129D	2117	N28	E77	.968	10352	8.7	27D	-F	V						
	02	2102	2132		N25	E78	.972	10352	8.7	30	-F	1 C	2123	.25				E
576 SACP	03	0006	0015	0010	N19	E37	.616	10351	5.8	9	-N	C		.62	.68			5
578 CULG	03	0221	0258	0237	S27	E46	.827	10355	6.5	37	1N	C	0237	1.24	2.10			L 4

29
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr	MAX. INT. %	
					LAT.	MER. DIST.													
GRP25681 ARCE MONT	03 03 03	0826 0825E 0827	0837 0835 0838	0832 0831 0833	S14 S14 S14	W48 W49 W47	.787 .797 .777	10337 10337 10337	29.8 29.7 29.8	11 100 11	-F -F -F			.26 .31 .21					2 2 2 8
683 CAPS	03	0850E	0859D		N26	E69	.929	10352	8.5	90	-F	3	V	0855	.50			150	C 10
GRP25684 CAPS ARCE	03 03 03	0930 0930 0930E	0938 0936 0940	(0931)	S11 S10 S12	W03 W02 W02	.307 .291 .321	10344 10344 10344	3.2 3.2 3.2	8 6 100	-F -F -F		3	V V C	.60 .50 .69	.50 .50 .70		155	2 2 2 7
685 CAPS	03	0935	0950		N18	E31	.534	10351	5.7	15	-N	3	V	0937	.60	.70		180	6
687 CATA	03	1030E	1050	1030	S12	W04	.326	10344	3.1	200	-N			1030	.63	.67		182	8
688 CATA	03	1050	1115	1100	S15	W49	.800	10337	29.8	25	-N			1100	.29	.48		186	9
689 MONT	03	1350D	1411	1350	S02	W83	.993	10333	27.4	210	-N		C	1350	1.55				6
692 SACP	03	1507	1514	1512U	S13	W03	.340	10344	3.4	7	-N		C		.31	.31			7
696 PALE	03	1841	1855	1849	N11	W86	.996	10333	27.3	14	-N		C		.12				4
699 PALE	03	2119	2134	2134	N27	E66	.911	10352	8.8	15	-F		C		.12				5
GRP25702 SACP MANI	04 04 04	0007 0007 0007	0028 0020 0035	0009 0009	S14 S12 S16	W58 W57 W59	.876 .863 .888	10337 10337 10337	29.7 29.7 29.6	21 13 28	-F -F -F		C		.78 .52 1.03		.75 1.91		2 2 2 6
703 MANI	04	0018	0037		S13	W13	.398	10344	3.0	19	-F	2		0018	.41	.45			6
705 PALE	04	0244	0319	0250	N17	E27	.475	10351	6.1	35	-F		C		.53				4
708 MANI	04	0744	0750	0746	S16	W12	.431	10344	3.4	6	-F	2		0746	.52	.57			11
710 HUAN	04	1305	1316		N16	E20	.370	10351	6.0	11	-F	2	C	1307	.21	.20		D	5
714 HUAN	04	1803E	1817D		N27	E55	.829	10352	8.9	140	-F	1	P	1804	.17	.30		D	5
721 SACP	04	2219	2227	2223	N14	W29	.492	10339	2.8	8	-F		C		.31	.31			5
723 SACP	04	2323	2332	2327	S12	W36	.647	10343	2.3	9	-F		C		.21	.23			7
724 SACP	04	2340E	2343	2341	S15	W70	.954	10337	29.7	30	-F		C		.31	.63			6
727 MANI	05	0350E	0355		S13	W32	.606	10344	2.8	50	-F	2		0350	.26	.33			4
729 MANI	05	0542	0601	0545	S13	W40	.698	10343	2.2	19	-F	2		0545	.41	.58			4
730 CATA	05	0820	0825	0820	N21	E03	.255	10351	5.6	5	-N			0820	.52	.54		195	12
731 CATA	05	0845	0855D	0850	N18	E08	.240	10351	6.0	100	-B			0850	.58	.60		251	11
732 HURB	05	1037E	1045		S14	W78	.985	10337	29.6	80	1F						1.70		8
733 HURB	05	1151E	1203		N20	E11	.296	10351	6.3	120	1F						1.50		5
735 HTPR	05	1330	1342	1335	N12	W62	.877	10353	30.9	12	-F		C	1335	.31	.60			7
736 HTPR	05	1434	1442	1436	S15	E63	.914	10357	10.3	8	-F		C	1436	.31				8
737 BOUL	05	1513E	1522	1515	N17	E04	.194	10351	5.9	90	-F		V						8
739 PALE	05	1826	1845	1836	S12	W34	.623	10344	3.2	19	-F		C		.15				5
742 PALE	05	1936	2012	1945	S09	W85	.998	10337	29.4	36	-F		C		.10				4
743 SACP	05	2306	2327	2315	N20	W03	.238	10351	5.7	21	-N		C		.71	.70			5
744 SACP	05	2347	2352	2350	N20	E03	.238	10351	6.2	5	-N		C		.21	.20			6
746 MANI	06	0048	0058	0050	N17	W05	.201	10351	5.7	10	-F	2		0050	.52	.53			5
748 MITK	06	0452	0500	0453	N17	W07	.217	10351	5.7	8	-F		C	0453	.72	.70		D	4
749 MANI	06	0532E	0540D		S11	W90	1.000	10337	29.5	80	-F	1		0532	.21	.67			3
752 MONT	06	1026	1036	1034	N12	E80	.981	10358	12.4	10	-N		C	1034	.26				9
753 UCCL	06	1057E	1104		N09	E75	.962	10358	12.1	70	-N		P	1057	.75			DJ	8

30
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
755 MONT	06	1232	1244	1237	S14	W90	1.000	10337	29.8	12	-N	C	1237	.26				7
756 CATA	06	1300E	1310D	1305	N18	W11	.271	10351	5.7	10D	-B		1305	.40	.42		214	8
GRP25757	06	1424	1433	1427	N20	W07	.261	10351	6.1	9	-N			.46				2 2 1 7
BOUL	06	1424	1430	1426	N22	W08	.298	10351	6.0	6	-F	V						
CATA	06	1427E	1435D	1427	N17	W05	.201	10351	6.2	8D	-B		1427	.46	.47		275	
759 BOUL	06	1731	1736	1734	N12	E73	.952	10358	12.2	5	-F	V						4
761 PALE	06	1759	1834	1801	N11	E70	.935	10358	12.0	35	-N	C		.08				4
767 BOUL	06	2112	2119	2113	N18	W17	.345	10351	5.6	7	-N	V						5
GRP25771	07	0111	0121	0114	N09	E65	.902	10358	11.9	10	-F			.48				2 2 2 6
MANI	07	0111	0121	0115	N09	E64	.894	10358	11.8	10	-F	2	0115	.83	1.60			
PALE	07	0112E	0116D	0113	N08	E66	.909	10358	12.0	4D	-N	C		.12				
774 MANI	07	0324	0336	0326	N08	E65	.902	10358	12.0	12	-F	2	0326	.41	.81			4
775 MANI	07	0326	0336D	0329	N17	W18	.351	10351	5.8	10D	-F	2	0329	.36	.38			5
776 MANI	07	0412E	0419D		N17	W18	.351	10351	5.8	7D	-F	2	0412	.52	.56			6
GRP25777	07	0720	0734	0725	N09	E61	.870	10358	11.9	14	-F			.72				2 2 2 9
CAPS	07	0719	0733		N09	E61	.870	10358	11.9	14	-N	4	V	0724	.60		180	
HTPR	07	0720	0735	0725	N08	E61	.870	10358	11.9	15	-F	C	0725	.83	1.60			
GRP25778	07	0745	0809	0756	N16	W21	.386	10351	5.7	24	-F			.60				2 2 2 9
ARCE	07	0745	0800	0756	N16	W23	.414	10351	5.6	15	-F	C	0756	.60	.60			
CAPS	07	0754E	0818D		N16	W18	.343	10351	6.0	24D	-N	4	V	0756	.60	.70	186	
779 HTPR	07	0750	0805	0755	S14	W71	.958	10343	2.0	15	-F	C	0755	.52				9
GRP25780	07	1025	1046	1025	N26	E20	.459	10352	8.9	21	-N			.50				2 1 1 9
UCCL	07	1025	1046	1025	N26	E20	.459	10352	8.9	21	-N	C	1025	.50	.70			
CAPS	07	1036E	1110D		N27	E19	.460	10352	8.9	34D	-F	4	V	1040	.40	.50	160	
GRP25781	07	1040	1130	1045	N17	W22	.406	10351	5.8	50	-B			.88				2 2 2 9
CATA	07	1040E	1115D	1045	N17	W24	.434	10351	5.6	35D	-B		1045	.75	.84		263	
CAPS	07	1044E	1130D		N16	W20	.372	10351	5.9	46D	-N	4	V	1045	1.00	1.10	180	
782 ZURI	07	1212	1215	1212	N16	W23	.414	10351	5.8	3	-F	P	1212	1.36	1.50			9
783 CAPS	07	1217E	1230D		N16	W21	.386	10351	5.9	13D	-F	4	V	1220	.40	.40	160	9
GRP25784	07	1255	1307	1257	N17	W25	.448	10351	5.7	12	-F			.53				2 2 2 9
HTPR	07	1254	1307	1258	N17	W26	.462	10351	5.6	13	-F	C	1258	.52	.50			
ZURI	07	1256	1306	1256	N16	W23	.414	10351	5.8	10	-N	C	1256	.53	.60			
785 BOUL	07	1318	1335	1329	N18	W26	.468	10351	5.6	17	-F	V						10
GRP25786	07	1338	1349	1342	N17	W25	.448	10351	5.7	11	-F			.67				2 2 1 11
BOUL	07	1338	1348	1342	N18	W26	.468	10351	5.6	10	-F	V						
ZURI	07	1338	1350	1342	N16	W23	.414	10351	5.8	12	-F	C	1342	.67	.70			
787 HUAN	07	1359E	1405D		N17	W15	.310	10351	6.5	6D	-F	1	P	1402	.21	.20		D 8
GRP25794	07	1825	1835	1827	N13	E59	.852	10358	12.2	10	-F			.17				2 2 1 6
PALE	07	1825	1834	1828	N12	E59	.852	10358	12.2	9	-N	C		.17				
BOUL	07	1825	1835	1826	N13	E59	.852	10358	12.2	10	-F	V						
802 MANI	08	0131	0147	0133	N17	W32	.545	10351	5.7	16	-N	3	0133	1.34	1.60			5
803 MANI	08	0138	0148	0141	S15	W65	.926	10344	3.2	10	-F	1	0141	.31	.64			5
806 MANI	08	0254	0305	0256	N13	W28	.475	10351	6.0	11	-F	2	0256	.36	.41			5
807 MANI	08	0352	0410	0355	N20	W32	.558	10351	5.8	18	-F	2	0355	.52	.62			4
811 HTPR	08	1209	1230	1217	N17	E50	.766	10358	12.3	21	-F	C	1217	.41	.60			12
815 BOUL	08	1715	1750	1718	N14	W36	.591	10351	6.0	35	-N	V						4
816 BOUL	08	1805	1809	1806	N14	E51	.774	10358	12.6	4	-N	V						2
821 PALE	09	0007E	0038	0007	N28	W01	.370	10352	8.9	31D	-N	C		.21				4
822 MANI	09	0056	0115	0058	N17	W42	.674	10351	5.9	19	-F	2	0058	1.24	1.72			4

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
823 MANI	09	0214	0224	0217	N22	W39	.653	10351	6.2	10	-F	2		0217	.41	.55			6
GRP25825 MANI PALE	09	0320	0329	0322	N16	W47	.732	10351	5.6	9	-B				.47			2 2 2 6	
	09	0319	0322D		N15	W47	.730	10351	5.6	30	-B	2		0322	.62	.92			
	09	0321	0329	0322	N16	W47	.732	10351	5.6	8	-B		V		.31				
GRP25827 ARCE CAPS	09	0705	0720	0710	N18	W49	.756	10351	5.6	15	-F				.52			2 2 2 9	
	09	0705	0720	0710	N18	W49	.756	10351	5.6	15	-F		C	0710	.54	.80			
	09	0707E	0713D		N18	W48	.746	10351	5.7	60	-N	3	V	0708	.50	.70	165	C	
GRP25828 CATA ARCE	09	0800	0815	0800	N17	W46	.722	10351	5.9	15	-B				.23			2 1 1 11	
	09	0800E	0815	0800	N17	W46	.722	10351	5.9	150	-B			0800	.23	.34	240		
	09	0805	0820	0812	N19	W44	.702	10351	6.0	15	-F		C	0812	.57	.80			
829 ABST	09	0902	0940	0904	N17	W46	.722	10351	5.9	38	-N		C	0904	1.35	1.90	59	D	13
831 MEUD	09	1006	1008	1006	N15	W50	.764	10351	5.7	2	-F		C	1006	.21	.30		D	12
GRP25832 CATA CAPS	09	1015	1030	1015	N19	W46	.725	10351	6.0	15	-N				.45			2 2 2 12	
	09	1015	1030	1015	N19	W46	.725	10351	6.0	15	-B			1015	.40	.61	286		
	09	1017E	1027D		N19	W45	.714	10351	6.1	100	-F	3	V	1019	.50	.70	158	E	
834 CATA	09	1100	1105	1100	N25	E01	.321	10359	9.5	5	-N			1100	.23	.24	170		11
835 SACP	09	1435	1450	1442	N23	W15	.376	10352	8.5	15	-N		C		.41	.41			7
839 SACP	09	1855	1920	1906	N23	W18	.408	10352	8.4	25	-N		C		.31	.31			4
842 BOUL	09	2210	2225	2211	N18	W53	.798	10351	5.9	15	-N		V						4
843 MITK	09	2359	0004	0001	N15	W58	.843	10351	5.6	5	-N		C	0001	.83	1.50		D	5
845 KODA	10	0343E	0357D		N11	E26	.440	10358	12.1	140	1F		P	0357	3.62	3.60		I	6
846 ABST	10	0443E	0520	0457	N17	W59	.853	10351	5.8	370	1F		P	0457	1.35	2.30	49	D	4
847 ABST	10	0740	0805	0754	N27	W23	.502	10352	8.6	25	1F		C	0754	1.79	2.10	51	EK	8
GRP25849 ARCE ABST	10	1036	1117	1054	N28	W23	.512	10352	8.7	41	-F				1.11			2 2 2 10	
	10	1035	1100D	1051	N28	W22	.502	10352	8.8	250	-F		C	1051	.60	.70			
	10	1036	1117	1056	N27	W23	.502	10352	8.7	41	-F		C	1056	1.62	1.80	46	F	
861 CRIM	11	0626	0632	0627	N01	E90	1.000	10372	18.0	6	1N		C	0627	.90			A	4
862 CAPS	11	0643E	0705D		N04	E90	1.000	10372	18.0	220	2N	3	P					A	6
864 ARCE	11	0935E	1000D		N21	W71	.940	10351	6.1	250	-F		C	0940	.22	.50			6
866 CAPS	11	1237E	1247D		N25	W35	.621	10352	8.9	100	-F	3	V	1240	.80	1.00	150	C	5
868 MONT	11	1318	1329	1321	N23	W69	.929	10351	6.4	11	-N		C	1321	.10				6
869 SACP	11	1345	1356	1349	S13	W16	.421	10357	10.4	11	-F		C		.52	.52			5
GRP25873 AROS MONT	12	0847	0859	0851	S18	W28	.597	10357	10.3	12	-F				.47			2 2 2 7	
	12	0845	0856E	0850	S22	W28	.633	10357	10.3	110	-N		P	0850	.83	1.00			
	12	0849	0859	0851	S13	W27	.544	10357	10.3	10	-F		C	0851	.10			H	
874 CAPS	12	0910E	0915D		N18	W85	.993	10351	6.0	50	-B	1	V						6
875 MONT	12	1004	1010	1006	N18	W87	.997	10351	5.9	6	-F		C	1006	.26				5
876 CAPS	12	1055E	1106D		N18	W85	.993	10351	6.1	110	-N	2	V	1100	.50		180		5
880 HUAN	12	1648	1711D		N01	E80	.985	10372	18.7	230	-F	1	P	1653	.21	.20		D	3
885 TACH	13	0432	0449	0439	N02	E78	.978	10372	19.0	17	1F		C	0439	.91		48	D	5
888 CULG	13	2215E	2226D	2221	N29	W69	.932	10352	8.8	110	1N		P	2221	.93				2
890 MANI	14	0000	0012		N03	E67	.919	10372	19.0	12	-F	1		0002	.41	.87			5
891 MANI	14	0021	0030	0025	N23	W68	.924	10352	8.9	9	-F	1		0025	.46	.96			6
897 ISTA	14	0730E	0740		N12	W28	.474	10358	12.2	100	-F								13
898 CATA	14	0830	0835	0830	S06	W14	.316	10361	13.3	5	-N			0830	.14	.15	191		11
899 NERA	14	1034E	1040D	1036	S06	W13	.303	10361	13.5	60	1F	3							9

32
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
900 CATA	14	1355E	1415D	1355	S06	W17	.354	10361	13.3	20D	-B		1355	.80	.87		224	8
902 PALE	14	1756	1808	1757	S04	W18	.351	10361	13.4	12	-N	C		.10				4
GRP25904 BOUL PALE	14	2008	2022	2009	N28	W78	.973	10352	9.0	14	-N			.04			2 2 1 6	
	14	2008E	2019	2009	N26	W78	.973	10352	9.0	11D	-F	V						
	14	2008	2024	2008	N29	W78	.973	10352	9.0	16	-B	C		.04				
GRP25905 BOUL PALE	14	2043	2102	2045	N03	E49	.754	10372	18.5	19	-F			.10			2 2 1 6	
	14	2042	2100	2045	N04	E49	.753	10372	18.5	18	-F	V						
	14	2044	2103	2044	N01	E49	.756	10372	18.5	19	-N	C		.10				
906 PALE	14	2050	2114	2054	N30	W78	.973	10352	9.0	24	-N	C		.17			7	
907 PALE	14	2110	2128	2111	S07	W20	.403	10361	13.4	18	-F	C		.41			7	
909 PALE	15	0316	0330	0320	S04	W23	.423	10361	13.4	14	-N	C		.70			6	
910 CATA	15	1045	1200	1115	S05	W30	.528	10361	13.2	75	-B		1115	.87	1.03		263	11
911 CAPS	15	1255E	1303D		N10	W44	.691	10358	12.2	8D	-F	1 S	1256	.60	.80		158	9
913 CANR	15	1700	1718	1703	N27	W73	.952	10363	10.2	18	-N	C		.70	1.80			4
914 BOUL	15	1749	1804	1749	N03	E33	.545	10372	18.2	15	-F	V						5
917 SACP	15	2343	2357	2352	N15	W60	.862	10358	11.5	14	-F	C		.41	.60			4
918 MANI	16	0308	0321	0311	N08	W56	.825	10358	11.9	13	-F	2	0311	.26	.44			5
919 MONT	16	1507	1516	1514	S07	W45	.728	10361	13.3	9	-F	C	1514	.10				5
920 SACP	16	1639	1645	1641	S09	W52	.808	10361	12.8	6	-N	C		.40	.54			4
925 PALE	16	2321	2329	2323	N05	E38	.613	10372	19.8	8	-N	C		.06				7
GRP25926 ABST ARCE	17	0751	0810	0753	N15	W73	.948	10358	11.9	19	1N			.99			65 D	2 1 1 8
	17	0751	0810	0753	N15	W73	.948	10358	11.9	19	1N	C	0753	.99				
	17	0755E	0825		N14	W60	.856	10358	12.8	30D	-N	C	0755	.64	1.20			
GRP25927 SACP BOUL	17	1702	1721	1706	N15	E91	1.000	10381	24.5	19	-N			.21			2 2 1 6	
	17	1700	1721	1705	N13	E91	1.000		24.5	21	-N			.21				
	17	1704	1720	1707	N16	E90	.999		24.5	16	-N	V						
929 MANI	18	0825E	0845	0827	S29	W21	.644	10379	16.8	20D	-F	1	0827	.52	.70			9
930 ARCE	18	0830	0834	0831	N14	W90	1.000	10358	11.6	4	-B	C	0831	.34	1.90			8
934 ZURI	18	1139	1147	1143	S31	W30	.726	10379	16.2	8	-N	C	1143	.67	1.00			5
935 MEUD	18	1257	1301	1258	N13	E79	.978	10000	24.5	4	-F	C	1258	.26			D	5
936 LOCA	18	1409	1435	1415	S29	W27	.686	10379	16.6	26	-F	V	1415	.85	1.20			8
937 HUAN	18	1524E	1713D		S31	W30	.726	10379	16.4	109D	-F	1 P	1537	.17	.20		E	6
938 SACP	18	1715	1732	1719	N11	E84	.993	10381	25.0	17	-N	C		.40				5
939 PALE	18	1745	1803	1749	S28	W34	.731	10379	16.2	18	-F	C		.31				5
940 SACP	18	1916	1930	1925	N12	E91	1.000	10385	25.6	14	-N	C		.51				4
941 PALE	18	1928	1956	1932	S28	W34	.731	10379	16.3	28	-F	C		.21				4
943 MANI	18	2314	2330	2316	S30	W32	.732	10379	16.6	16	-F	2	2316	.31	.49			6
947 CAPF	19	0816E	0845D		N10	E85	.995	10385	25.7	29D	1N	P	0817	.62			H	9
950 MEUD	19	1354	1357	1355	N07	E90	1.000	10385	26.3	3	-F	C	1355	.41				4
953 HUAN	19	1758E	1810D		N07	E88	.999	10385	26.3	12D	-F	1 P	1802	.37			D	3
956 MANI	19	2301	2324	2307	N10	E85	.995	10385	26.3	23	-F	1	2307	.62	1.76			3
957 MANI	20	0013	0032	0016	N10	E83	.991	10385	26.2	19	-F	1	0016	.62	1.69			3
958 MANI	20	0043	0102	0046	N11	E82	.988	10385	26.2	19	-F	2	0046	.52	1.38			3
959 PALE	20	0119	0129	0123	N17	W74	.957	10362	14.5	10	-N	C		.12				4

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAFLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
960 MANI	20	0155E	0210	0157	N11	E81	.985	10385	26.2	150	-F	1	0157	.41	1.08			3	
967 MANI	20	0537	0559	0540	N06	E78	.976	10385	26.1	22	-N	2	0540	.72	1.78			3	
968 CAPS	20	0706E	07120		N08	E79	.980	10385	26.2	60	-F	3	V 0708	.40			153	D 4	
969 CAPS	20	0820E	08450		N07	E79	.980	10385	26.3	250	-F	2	V 0824	.30			150	D 8	
971 CATA	20	0950	09550	0950	N08	E59	.854	10000	24.8	50	-N		0950	.52	1.04		191	13	
974 ARCE	20	1054	1104	1103	S30	E40	.791	10382	23.5	10	-F	C	1103	.39	.60			11	
976 SACP	20	1400	1409	1405	N10	E71	.942	10385	25.9	9	-N	C		.21	.39			6	
985 BOUL	20	2043	2049	2044	N09	E68	.924	10385	26.0	6	-N	V						2	
988 MANI	20	2205E	22270	2215	N10	E70	.936	10385	26.2	220	-N	1	2215	.41	.88			3	
989 BOUL	20	2236	2243	2239	N10	E68	.923	10385	26.0	7	-N	V						2	
991 MANI	21	0042E	0058	0048	S28	E34	.729	10382	23.6	160	-F	2	0048	.52	.75			4	
992 MANI	21	0047	0110	0050	N15	E52	.787	10381	24.9	23	-F	2	0050	.52	.83			4	
994 MANI	21	0202E	0216	0204	N15	E78	.975	10385	26.9	140	-N	2	0204	.26	.64			5	
995 MANI	21	0237	0302	0243	N16	E05	.202	10377	21.5	25	-N	2	0243	.21	.21			5	
996 MANI	21	0327	0403	0341	N15	E05	.187	10377	21.5	36	-N	2	0341	.52	.53			5	
998 MANI	21	0409E	0418		N13	E67	.916	10385	26.2	90	-F	2	0409	.62	1.28			4	
999 ONDR	21	0659E	0709		N11	E50	.763	10381	25.0	100	-F	V	0700			1.70		CEH 6	
000 ARCE	21	0725E	0801	0734	N20	W90	.999	10368	14.6	360	-F	C	0734	.12	.70			11	
001 ONDR	21	0740E	0757		N11	E65	.902	10385	26.2	170	1F	V	0744			1.90		CFJ 12	
002 CANR	21	0812	0835	0824	N19	W90	1.000	10368	14.6	23	-N	C		.30	1.20			7	
003 CATA	21	0815	0820	0815	N07	E63	.888	10385	26.1	5	-B		0815	.58	1.28		380	8	
004 CANR	21	0900	09350	0912	N19	W90	1.000	10368	14.6	350	-N	C		.30	1.20			12	
005 MONT	21	0942	1009	0949	N18	W90	1.000	10368	14.7	27	-N	C	0949	.77				12	
006 CATA	21	1125E	11350	1125	N07	E61	.871	10385	26.1	100	-N		1125	.58	1.19		195	8	
GRP26008	21	1310	1330	(1312)	N07	E60	.863	10385	26.0	20	-F			.23				2 2 2 8	
MCMA	21	1310	13300		N08	E60	.862	10385	26.0	200	-N	C	1313	.31	.60			EH	
HUAN	21	1311E	13260		N05	E60	.864	10385	26.0	150	-F	2	P 1311	.14	.30			E	
GRP26009	21	1407	1413	1409	N08	E60	.862	10385	26.1	6	-N			.31				2 1 1 9	
MCMA	21	1407	1413	1409	N08	E60	.862	10385	26.1	6	-N	C	1409	.31	.60			E	
HUAN	21	1407E	15150		N05	E60	.864	10385	26.1	680	-F	2	P 1452	.21	.40			D	
010 HUAN	21	1410E	16100		S28	E22	.637	10382	23.2	1200	-F	2	P 1457	.25	.30			E 9	
011 BOUL	21	1525	15350	1526	N11	E40	.642	10381	24.6	100	-F	V						6	
012 BOUL	21	1616	1626	1617	N13	E68	.923	10385	26.8	10	-N	V						5	
013 CANR	21	1636	1708	1642	N09	E49	.751	10000	25.4	32	1F	C		2.10	3.30			E 4	
GRP26016	21	1734	1745	1738	N03	E44	.694	10381	25.0	11	-N			.41				2 1 1 6	
MCMA	21	1734	1745	1738	N03	E44	.694	10381	25.0	11	-N	C	1738	.41	.60			E	
BOUL	21	1736	1745	1737	N14	E45	.708	10381	25.1	9	-F	V							
017 BOUL	21	1806	1815	1807	N10	E36	.587	10381	24.5	9	-N	V						4	
018 BOUL	21	1847	1902	1848	N14	E44	.696	10381	25.1	15	-N	V						3	
019 BOUL	21	1951	1955	1953	N17	W90	1.000	10368	15.1	4	-N	V						5	
021 MANI	21	2317	2325	2318	N08	E54	.805	10385	26.0	8	-F	2	2318	.41	.67			6	
022 PALE	21	2336E	23390	2336	N13	E63	.887	10385	26.7	30	-B	C		.06				6	
024 PALE	22	0222	0229	0224	S09	E62	.894	10386	26.7	7	-F	C		.06				4	

34
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
025 PALE	22	0226	0233	0227	N08	E52	.785	10385	26.0	7	-B		C		.21			4	
026 MANI	22	0238E	0239D		N08	E51	.774	10385	25.9	10	-F	1		0239	.62	.97		3	
028 MANI	22	0512E	0527	0515	S10	E63	.903	10386	26.9	150	-F	1		0515	.41	.81		5	
029 CATA	22	0750E	0800D	0752	N08	E48	.740	10385	25.9	100	-N			0752	.23	.35	191	10	
031 MANI	22	0839	0851	0841	N10	E51	.774	10385	26.2	12	-F	2		0841	.31	.48		12	
032 ARCE	22	0917	1001	0926	S11	W22	.459	10378	20.7	44	-F		C	0926	.58	.60		11	
036 CAPS	22	1317	1334D		N12	E27	.462	10381	24.6	170	-N	4	V	1319	.50	.60	180	12	
037 SACP	22	1332E	1341	1336	N09	E46	.716	10385	26.0	90	-N		C		.31	.37		12	
038 SACP	22	1433	1441	1434	N13	E27	.465	10381	24.6	8	-N		C		.40	.41		9	
039 SACP	22	1444	1453	1447	N11	E52	.785	10385	26.5	9	-N		C		.51	.65		7	
GRP26040	22	1505	1519	1508	N09	E52	.785	10385	26.5	14	-F				.67				
MONT	22	1505	1517	1508	N10	E51	.774	10385	26.5	12	-N		C	1508	1.13			2 2 2 8	
HUAN	22	1505	1520D		N08	E52	.785	10385	26.5	150	-F	2	C	1509	.21	.30	D		
045 HUAN	22	2030E	2124D	2124	N10	E48	.740	10385	26.5	540	-F	2	P	2124	.37	.60	E	3	
047 SACP	22	2224	2228	2225	N12	E51	.775	10385	26.8	4	-N		C		.30	.38		4	
052 MANI	23	0301	0321D	0303	N14	E19	.353	10381	24.6	200	-F	2		0303	.62	.66		5	
053 MANI	23	0317E	0330		N10	E44	.693	10385	26.4	130	-F	2		0318	.62	.86		5	
054 MANI	23	0455E	0510	0456	N13	E18	.332	10381	24.6	150	-F	2		0456	.26	.27		6	
055 MANI	23	0639E	0646		N12	E51	.775	10385	27.1	70	-F	1		0639	.72	1.27		6	
GRP26056	23	0704	0806		N11	E43	.681	10385	26.5	62	-F				1.08			2 2 2 7	
ABST	23	0700E	0810	0742	N11	E42	.668	10385	26.4	700	-F		P	0742	1.43	1.80	EK		
MANI	23	0708	0722	0712	N10	E42	.667	10385	26.4	14	-F	2		0712	.72	.97			
MANI	23	0752	0802	0755	N12	E45	.706	10385	26.7	10	-F	1		0755	.52	.72			
GRP26058	23	1048	1140	1106	N10	E40	.641	10385	26.5	52	-F				.90			2 1 1 10	
ABST	23	1048	1140	1106	N10	E40	.641	10385	26.4	52	-F		C	1106	.90	1.10	D		
HUAN	23	1135	1143	1139	N11	E43	.681	10385	26.7	8	-N	2	C	1139	.31	.40	D	52	
GRP26059	23	1215	1225	1218	N12	E36	.590	10385	26.2	10	-F				.32			2 2 2 8	
HUAN	23	1212E	1222	1217	N13	E36	.593	10385	26.2	100	-F	2	C	1217	.37	.50	E		
MEUD	23	1217	1227	1218	N11	E36	.589	10385	26.2	10	-F		C	1218	.26	.30			
060 HUAN	23	1235E	1318		N07	E33	.542	10385	26.0	430	-F	2	C	1237	.14	.20	D	9	
GRP26061	23	1350	1428	1350	N11	E38	.616	10385	26.4	38	-F				.28			2 2 2 7	
HUAN	23	1342E	1510D	1350	N11	E39	.629	10385	26.5	880	-N	2	C	1350	.25	.30	KD		
HUAN	23	1353	1440D	1418	N10	E32	.531	10385	26.0	470	-N	2	C	1418	.21	.20	D		
MEUD	23	1357	1415		N11	E40	.643	10385	26.6	18	-F		C	1358	.31	.40			
062 MCMA	23	1413	1418	1416	S18	W01	.395	10380	23.5	5	-N		C	1416	.41	.40	E	7	
065 PALE	23	1722	1730	1725	N14	E10	.228	10381	24.5	8	-F		C		.17			6	
067 HUAN	23	1757	1830	1802	S09	E08	.281	10381	24.3	33	-F	2	C	1802	.21	.20	D	5	
075 SACP	23	2318	2338	2327	N13	E07	.180	10381	24.5	20	-F		C		.40	.40		4	
079 PALE	24	0129	0135	0130	S11	W37	.646	10378	21.3	6	-N		C		.08			4	
080 PALE	24	0138	0142	0140	N13	E27	.466	10385	26.1	4	-F		C		.36			4	
084 MANI	24	0602	0617	0604	N10	E25	.426	10385	26.1	15	-F	2		0604	.41	.46		3	
085 MANI	24	0646	0712D		N11	E31	.518	10385	26.6	260	-F	2		0656	.52	.60		6	
087 MONT	24	0817E	0927	0842	N10	W01	.086	10381	24.3	700	-F		C	0842	.52		H	8	
GRP26091	24	1059	1113	1103	N06	E06	.105	10381	24.9	14	-F				.87			2 2 2 8	
MONT	24	1059	1111	1103	N06	E05	.088		24.8	12	-N		C	1103	1.13		H		
CAPS	24	1104E	1115		N06	E07	.122		25.0	110	-F	3	V	1105	.60	.60	158	H	

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE 1969 OCT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g		MAX. INT. %
					LAT.	MER. DIST.												
GRP26092	24	1149	1201	1155	N11	E23	.399	10385	26.2	12	-F				.18			2 2 2 7
HUAN	24	1148E	1202D		N11	E24	.414	10385	26.3	14D	-F	2	P		.14	.20		D
HTPR	24	1149	1200	1155	N11	E22	.383	10385	26.1	11	-F		C	1155	.21	.20		
GRP26094	24	1325	1339	1329	N13	E27	.466	10385	26.6	14	-F				.77			2 2 1 7
NERA	24	1324E	1340D	1328	N13	E27	.466	10385	26.6	16D	1F	3						
MCMA	24	1325	1338	1329	N12	E26	.447	10385	26.5	13	-N		C	1329	.77	.80		E
GRP26098	24	1507	1602	1512	S12	E31	.578	10386	27.0	55	-N				.31			2 2 1 7
MCMA	24	1503	1535D	1511	S11	E30	.558	10386	26.9	32D	-N		C	1511	.31	.40		E
BOUL	24	1511	1602	1513	S12	E32	.590	10386	27.0	51	-N		V					
100 MCMA	24	1537	1550	1539	N10	E18	.317	10385	26.0	13	-N		C	1539	.26	.30		D
102 SACP	24	1550	1602	1550	N06	E02	.038	10000	24.8	12	-N		C		.51	.50		4
108 SACP	24	1921	1934	1923	S13	E69	.945	10392	30.0	13	-N		C		.30	.59		4
110 BOUL	24	1941	2003	1946	N10	W04	.109		24.5	22	-F		V					6
GRP26112	24	2035	2109	2042	N11	W07	.157	10381	24.3	34	-N				.26			2 2 1 5
BOUL	24	2030	2045	2034	N13	W07	.181	10381	24.3	15	-F		V					
BOUL	24	2040	2109	2042	N10	W03	.099	10381	24.6	29	-B		V					
MCMA	24	2045E	2049D		N10	W08	.161	10381	24.3	4D	-F		P	2046	.26	.30		D
113 BOUL	24	2039	2042	2040	N11	E22	.383	10385	26.5	3	-F		V					5
115 MANI	24	2223	2236	2225	N05	W01	.018		24.9	13	-N	2		2225	.31	.31		4
116 BOUL	24	2225	2232D	2226	N11	E20	.352	10385	26.4	7D	-F		V					4
117 PALE	25	0010	0021	0013	N11	E14	.260	10385	26.1	11	-F		C		.17			4
118 PALE	25	0016	0035D	0018	N11	E21	.368	10385	26.6	19D	-N		C		.08			4
119 PALE	25	0022	0236	0224	N12	E16	.297	10385	26.2	134	-F		C		.12			4
121 PALE	25	0300	0329	0302	N11	E15	.275	10385	26.3	29	-F		C		.21			4
122 MANI	25	0359	0426D	0405	N10	E18	.317	10385	26.5	27D	-F	2		0405	.72	.74		4
123 MANI	25	0456	0504D	0459	N10	E18	.317	10385	26.6	8D	-F	3		0459	.52	.53		4
126 MANI	25	0622	0635D	0628	N11	E14	.260	10385	26.3	13D	-N	3		0628	1.03	1.07		4
127 ISTA	25	0722	0738	0726	N10	E10	.192	10385	26.1	16	-N							4
128 ISTA	25	0745	0752		N14	E24	.427	10385	27.1	7	-N							6
129 CATA	25	0805	0815D	0805	N07	W01	.038	10385	25.3	10D	-N			0805	.29	.29	170	6
132 MCMA	25	1407	1415	1411	N14	E05	.177	10385	26.0	8	-F		C	1411	.26	.30		EH 6
133 SACP	25	1408	1414	1410	S13	E60	.885	10392	30.1	6	-F		C		.92	1.43		6
134 HTPR	25	1438E	1501		N09	W17	.298	10381	24.3	23D	-F		C	1455	.31	.30		9
139 PALE	25	2032E	2053	2043	N11	E04	.124	10385	26.2	21D	-N		C		.25			4
140 PALE	25	2113	2131	2115	N11	E09	.186	10385	26.6	18	-N		C		.21			4
148 CAPF	26	0900E	0910D		N12	E04	.140	10385	26.7	10D	-N		P	0902	1.03	1.05		8
150 HTPR	26	1325	1340	1333	N15	W25	.447	10381	24.7	15	-F		C	1333	.41	.40		E 4
160 MANI	27	0102	0113	0105	N11	W36	.590	10381	24.3	11	-F	2		0105	.26	.32		4
161 MANI	27	0108	0128	0111	N14	W02	.162	10385	26.9	20	-F	2		0111	.31	.31		4
163 MANI	27	0212	0214D		N07	W34	.557		24.5	2D	-F	1		0214	.26	.31		5
174 CATA	27	1002	1010	1005	N12	W17	.313	10385	26.1	8	-B			1005	.29	.31	257	7
2 STATIONS REPORTING GROUP 26176. 6 STATIONS OBSERVING AND NOT REPORTING.																		
GRP26176	27	1145	1156	1148	N15	W22	.405	10385	25.8	11	-N				.36			2 2 2 8
CATA	27	1145	1155	1145	N16	W22	.411	10385	25.8	10	-B			1145	.40	.45	219	
HTPR	27	1145	1157	1150	N14	W22	.399	10385	25.8	12	-F		C	1150	.31	.40		E
176 CATA	27	1147	1155	1150	N12	W12	.239	10385	26.6	8	*-B			1150	.29	.30	269	8

36
Oct 69

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1969 OCT																		
177 MONT	27	1153	1202	1155	S05	W90	1.000	10378	20.7	9	-N	C	1155	.10				8	
179 CATA	27	1245	1300	1247	N10	W18	.318	10385	26.2	15	-B		1247	.75	.80		214	10	
180 HTPR	27	1307	1318	1310	N18	E67	.918	10397	1.6	11	-F	C	1310	.41				10	
181 CATA	27	1325	1335D	1330	N14	W10	.232	10385	26.8	10D	-B		1330	.34	.36		209	8	
GRP26182 ZURI HTPR	27	1400	1410	1402	N18	E68	.924	10397	1.7	10	-F			.51			2 2 2 7		
	27	1358	1410	1402	N19	E68	.925	10397	1.7	12	-N	C	1402	.71					
	27	1401	1409	1402	N17	E68	.924	10397	1.7	8	-F	C	1402	.31					
184 HUAN	27	1610	1630		N10	W18	.318	10385	26.3	20	-F	1 C	1613	.21	.20		E	4	
189 MANI	27	2347	0002	2350	N08	E63	.888	10397	1.7	15	-F	1	2350	.93	1.77			5	
190 MANI	28	0315	0332	0321	N13	W38	.621		25.3	17	-F	2	0321	.52	.65			4	
191 MANI	28	0346	0417	0349	N13	W25	.438	10385	26.3	31	-F	2	0349	.31	.34			4	
194 UCCL	28	0911	0916	0911	N20	E60	.868	10397	1.9	5	-F	C	0911	.50			D	7	
198 UCCL	28	1332E	1339D	1337	N10	W31	.517	10385	26.2	7D	-F	C	1337	.50	.80		E	7	
204 PALE	28	2055	2100	2056	N14	E52	.788	10397	1.8	5	-F	C		.10				4	
210 CAPS	29	0722E	0732D		N15	E44	.700	10397	1.6	10D	-N	4 S	0725	1.00	1.40		170	3	
211 CATA	29	0740	0800	0745	N11	W60	.863	10000	24.8	20	-B		0745	.17	.35		263	4	
GRP26213 CAPS CATA	29	0955	1010	1000	S15	W04	.344	10400	29.1	15	-F			.67			2 2 2 6		
	29	0955E	1008D		S14	W04	.327	10400	29.1	13D	-F	3 V	1001	1.20	1.30			155	
	29	0955	1010	1000	S15	W03	.341	10400	29.2	15	-N		1000	.14	.15			191	
215 MONT	29	1232	1250	1237	N09	W50	.764	10385	25.8	18	-F	C	1237	.77				7	
217 CATA	29	1302	1315	1305	N15	W52	.789		25.6	13	-B		1305	.29	.48		251	4	
218 CAPS	29	1304E	1312D		N15	W40	.651	10385	26.5	8D	-N	3 V	1306	.40	.50		160	4	
219 CATA	29	1322	1335	1327	N14	W52	.788	10385	25.7	13	-B		1327	.29	.48		282	4	
220 SACP	29	1430	1448	1431	S15	W06	.351	10400	29.2	18	-F	C		.40	.40			7	
222 HUAN	29	1540E	1609		S15	W06	.351	10400	29.2	29D	-F	1 C	1548	.37	.40		E	4	
GRP26234 ISTA CATA	30	0652	0717	0715	N12	W49	.754	10385	26.6	25	-N			.14			2 2 1 7		
	30	0652	0704D		N13	W47	.733	10385	26.8	12D	-N								
	30	0712	0730	0715	N10	W51	.775	10385	26.5	18	-N		0715	.14	.23			195	
GRP26235 ISTA CATA	30	0717	0730	0720	N10	W60	.863	10385	25.8	13	-N			.14			2 2 1 6		
	30	0642	0725D		N13	W63	.888	10385	25.6	43D	-F								
	30	0717	0730	0720	N06	W56	.827	10385	26.1	13	-B		0720	.14	.26			209	
236 ISTA	30	0801	0806		N11	W45	.707	10385	27.0	5	-N							7	
237 ISTA	30	0824	0837		N13	W62	.881	10385	25.7	13	-F							5	
239 MEUD	30	1031	1046	1033	S15	E45	.751	10398	2.8	15	-F	C	1033	.52	.80		E	4	
GRP26240 UCCL UCCL	30	1248	1254 (1248)		N10	W59	.854	10385	26.1	6	-B			.50			1 1 1 7 D D		
	30	1248E	1254D		N11	W58	.846	10385	26.2	6D	-B	P	1248	.50					
	30	1248E	1254D		N09	W61	.872	10385	26.0	6D	-N	P	1248	.75					
241 CAPS	30	1423E	1435D		S14	W22	.480	10400	28.9	12D	-F	3 V	1425	.80	.90		155	6	
244 PALE	31	0140	0210	0157	N26	E29	.575	10397	2.2	30	-F	C		.32				5	
246 PALE	31	0200	0205	0202	N13	W73	.953	10385	25.6	5	-B	C		.21				5	
247 PALE	31	0307	0315	0309	S06	E04	.195	10394	31.4	8	-N	C		.17				7	
248 MANI	31	0415E	0428	0419	N11	W68	.924	10385	26.1	13D	-N	1	0419	.41	.85			5	
251 ABST	31	0712	0730	0714	N07	W70	.937	10385	26.0	18	-N	C	0714	.90			70	6	
252 CATA	31	1007	1010	1007	N10	W73	.954	10385	25.9	3	-B		1007	.14			209	6	
253 CAPS	31	1145E	1150D		N14	W84	.993		25.2	5D	-F	3 V	1147	.40			150	6	

SOLAR FLARES

Unconfirmed

OCTOBER 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
	1969 OCT																	
254 MONT	31	1157	1207	1200	N08	W73	.954	10385	26.0	10	-N	C	1200	.21			6	
256 BOUL	31	1745	1753	1748	N07	W80	.983	10385	25.7	8	-N	V					5	
257 PALE	31	1752	1810	1756	S13	W20	.446	10392	30.2	18	-F	C		.08			4	
258 BOUL	31	2019	2058	2040	N13	E90	1.000	10406	7.6	390	1N	V					5	
260 CULG	31	2215E	2235D		N08	E78	.976	10406	6.8	200	1F	8 P	2233	1.24			2	

Remarks:

A = Eruptive prominence, base at $>90^\circ$.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No spots visible in the neighborhood.
 H = Flare with high velocity dark surge.
 I = Very extensive active region.
 J = Plage with flare shows marked intensity variations.
 K = Several intensity maxima.
 L = Filaments show effects of sudden activation.
 M = White-light flare.

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H or K.
 P = Flare shows helium D_3 in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in $H\alpha$ line.
 S = Brightening follows disappearance of filament (same position).
 T = Region active all day.
 U = Close and somewhat parallel bright filaments (|| or Y shape).
 V = Occurrence of an explosive phase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide $H\alpha$ emission.
 Y = Onset of a system of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

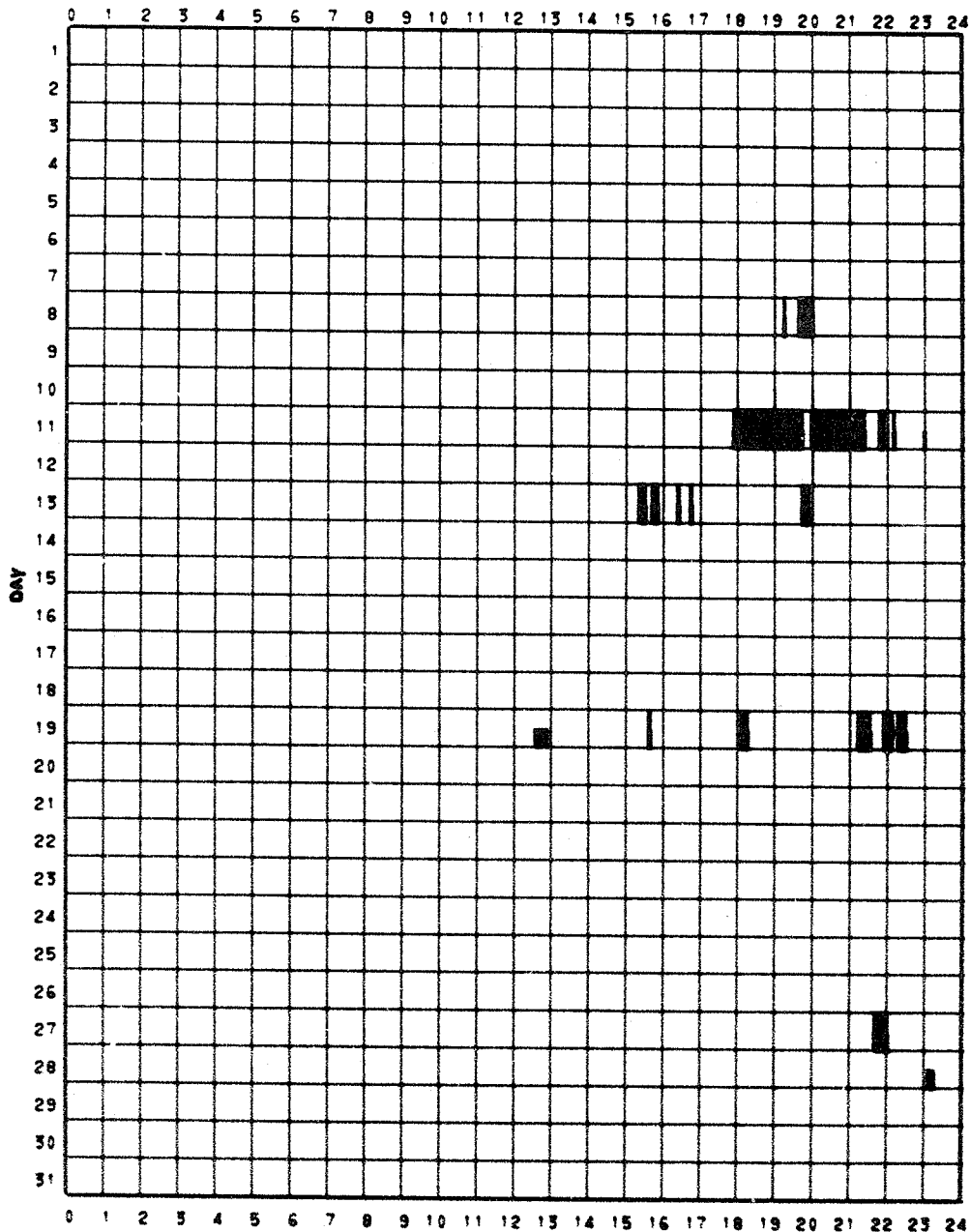
38
Oct 69

INTERVALS OF NO FLARE PATROL OBSERVATION

FOR PRECEDING SOLAR FLARE TABLE

OCTOBER 1969

HOUR - UT



Observatories included in total patrol:

Abastumani	Capri-S (Sweden)	Herstmonceaux	Kodaikanal	Ondrejov
Arcetri	Carnarvon	Houston	Locarno	Palehua
Arosa	Catania	Huancayo	Manila	Sacramento Peak
Boulder	Crimee	Hurbanovo	McMath-Hulbert	Siberie
Bucharest	Culgoora	Istanbul	Meudon	Tachkent
Capetown	Gran Canaria	Kharkov	Mitaka	Uccle
Capri-F (German)	Haute-Provence	Kiev	Monte Mario	Voroshilov
				Zürich

Times of no flare patrol are shown by the shaded area for each day divided into times of no cinematographic patrol (bottom half of day) and times of neither visual nor cinematographic patrol (top half of day).

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
1	1000 TYKW	5	0230	0300	60	11.0	4.0		
	200 GORK	42	0740.2	0758.2	33.8	25.0			
	100 GORK	48	0750.3	0807.6	45.9	195.0			
	3800 GORK	21	0750	0800.3	67.7	13.0	5.9		
	3000 NERA	45	0752.4	0759.6	55	38.0			
	1470 BERL	22	0752.5	0800	55.5	9.1	2.0		
	1470 BERL		0752.5	0810.5		7.8	2.0		
	3100 CRIM	45	0753	0800	40	26.0	8.0		
	3100 CRIM		0753	0811		22.0			
	950 GORK	20	0754	0800.5	11.5	4.1	1.6		
	650 GORK	20	0756	0800.8	10	1.8	0.8		
	9500 BERL	20	0757 U	0818	21 U	7.1	2.8		
	3800 GORK	1	0759.3	0759.6	1	4.7	2.0		
	950 GORK	1	0809.6	0810.8	2.7	3.3	1.3		
	3800 GORK	42	0810	0810.6	1.3	4.7	1.9		
	650 GORK	1	0813	0813.4	1.9	.9	0.5		
	100 GORK	6	0852.2	0852.3	.3	18.0			
	1470 BERL	20	0912	0918	18	2.0	0.8		
	100 GORK	6	1059.2	1059.2	.2	39.0			
	100 GORK	6	1145.1	1145.1	.3	39.0D			
	2800 OTTA	20	1410	1500	115	3.4	1.7		
	9400 HUAN	20	1801.4	1806.6	33.3	7.5	2.7		
	408 SANM	45	2000	2001.7	2.8	36.0	15.0		
2	606 MANI	4	0139.6	0139.7	.8	12.8	5.4		
	1415 MANI	1	0139.6	0139.7	.2	6.6	2.8		
	3750 TYKW	5	0328	0328.6	2	4.0	1.0		
	2000 TYKW	5	0328	0328.7	2	2.0	1.0		
	1000 TYKW	45	0328	0328.5	1	16.0	4.0		
	221 ABST		0600	0625	180				
	204 KIEV	44	0700 E		440 U	51.0	20.0		
	100 GORK	6	0708.9	0709.1	.4	10.0			
	200 GORK	44	0734 E		146 D		7.0		
	650 GORK	1	0741.6	0741.9	.6	2.0	1.0		
	234 POTS	45	0931 U	1430 U		45.0U			
	260 ONDR	44	1020	1156.5	160	35.0			
	245 SGMR	44	1046 E		683 D				
	100 GORK	43	1052		9.3D		5.0		
	606 SGMR	20	1157.3	1204.6	13	20.6	9.6		
	606 SGMR	20	1213.9	1222.3	15.1	4.8	2.4		
	2800 OTTA	21	1215	1245	95	5.4	2.7		
	2800 OTTA	45	1215	1223.8	15	26.0	6.5		
	2800 OTTA	45	1215	1222	8	15.0			
	2800 OTTA	45	1223	1223.8	7	26.0			
	3000 NERA	45	1218.5	1223.8	10	50.0	15.0		
	7000 SAOP	1	1220.5	1223.7	6.8	10.7	5.1		
	3100 CRIM	3	1220	1223	10	55.0	18.0		
	2700 PENN	3	1220.6	1223.9	10	35.0E			
	1470 BERL	22	1220	1223.8	10	5.4	1.6		
	9500 BERL	20	1222.5	1224	3.2	4.9	2.0		
	930 BORD	45	1224	1224.7	1	8.0	2.0		
	1470 BERL	20	1239.7	1246	12.3	3.6	1.6		
	4995 SGMR	1	1245.2	1247	4.4	3.2	.9		
	2800 OTTA	20	1245	1247	10	6.0	3.0		
	2695 SGMR	1	1245.1	1247	4.4	3.2	1.3		
	1415 SGMR	1	1245	1246	4.4	1.9	.5		
	9500 BERL	22	1247	1248.2	2.5	7.7	2.0		
	260 ONDR	44	1300	1312	120	40.0			
	3000 NERA	45	1310.9	1311.2	3	11.0	4.0		
	2800 OTTA	1	1310.5	1311	1.5	5.0	2.5		
	1470 BERL	1	1439 E	1439		3.4			
	240 KIEL	44	1535 E	1535		500.0	50.0		
	2800 OTTA	20	1831	1836	23	2.4	1.2		
	408 SANM	42	1846.5	1929.2	45.5	51.0	24.0		
	18 MCMA	6	1931	1933	3			1	
	18 BOUL	6	1931	1934	4			1	
	2800 OTTA	1	1932	1933.2	2	4.8	2.4		
	2695 PENT	20	2130	2235	150	4.8	2.4		
	208 VORO	44	2200	0301	360	330.0			
3	3750 TYKW	45	0112	0118	12	8.0	3.0		
	9400 TYKW	45	0114	0118.5	7	3.0	1.0		
	2000 TYKW	45	0114	0118	10	5.0	1.0		
	1000 TYKW	45	0114	0114.5	1	54.0	5.0		
	4995 MANI	1	0117.8	0118.1	3.2	7.4	3.7		
	1000 TYKW	45	0117.9	0118	1	2.0	1.0		
	2695 MANI	3	0118	0118.1	4	9.4	3.1		
	9400 TYKW	45	0256.5	0258	4.5	85.0	25.0		
	3750 TYKW	5	0256.5	0258	4.5	145.0	35.0		
	2000 TYKW	5	0256.5	0258	7	27.0	6.0		
	606 MANI	4	0257.1	0258.1	5.9	10.0	3.3		
	100 KODA	5	0257		12	48.0D			
	100 HIRA	45	0257.5	0303	15.5	230.0D	70.0		
	9620 IRKU	3	0257.5	0257.9	2.5	75.0	15.0		
	8800 MANI	4	0257	0257.9	14.5	122.0	54.0		
	4995 MANI	4	0257	0257.9	16.8	265.0	130.0		
	2695 MANI	4	0257.1	0257.9	7.6	61.0	23.6		
	1415 MANI	4	0257.1	0258.1	10	16.8	5.9		
	1000 TYKW	5	0257	0258	7	13.0	3.0		
	9400 TYKW	29	0301		25	6.0	3.0		

40
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
4	3750 TYKW	29	0301		35	3.0	1.0		
	9400 TYKW	5	0500	0630	160 D	7.0	4.0U		
	3750 TYKW	5	0500	0641	160 D	9.0	3.0U		
	2000 TYKW	5	0500	0550	90	3.0	1.0		
	2000 TYKW	40	0504	0512.9	12	13.0	3.0		
	100 GORK	44	0530		245	50.0			
	100 GORK	6	0536.4	0536.6	.4	37.0			
	100 KODA	45	0552		108	20.0D			
	221 ABST		0600	0634.3	180				
	200 GORK	44	0620 E		285 D		50.0		
	9100 GORK	20	0624	0644.2	51	14.0	7.4		
	100 GORK	41	0632.5	0633.4	7	40.0			
	100 GORK		0632.5	0636.9		34.0			
	100 GORK		0632.5	0639.1		45.0			
	204 KIEV	44	0635 E	1145 D	445 U	65.0D	25.0		
	3800 GORK	20	0638 U	0641	57	12.0	4.3		
	204 IZMI	44	0700		300	130.0			
	100 GORK	42	0710.8	0717 U	104.5	40.0D			
	260 ONDR	41	0830	1253.5	390	85.0			
	234 POTS	40	1034.1	1037	13.9	700.0	8.0		
	245 SGMR	44	1047 E		681 D				
	100 GORK	41	1052.9	1057	4.4	20.0			
	234 POTS	40	1234.1	1234.1	23	200.0	1.0E		
	2800 OTTA	21	1405	1530	135	3.0	2.0		
	234 POTS	40	1408.6	1423.7U		800.0U			
	240 KIEL	44	1542 E	1542		1500.0	50.0		
	408 SANM	43	1605	1641.5	205	60.5	7.0		
	1415 SGMR	45	1713.7	1715.5	13	15.1	5.1		
	960 PENN	45	1714	1715.4	3.8	14.8	7.1		
	606 SGMR	45	1714	1716.4	41.1	35.0	6.0		
	4995 SGMR	20	1714	1715.9	16.2	7.9	3.7		
	2800 OTTA	4	1714	1716.9	5	14.0	7.0		
	2700 PENN	20	1714	1716.8	45.3	22.0E			
	2695 SGMR	45	1714	1716.7	15.9	43.4	8.2		
	960 PENN	29	1717.8	1717.8	60.9	2.1	1.1		
	2800 OTTA	29	1719		20	2.4	1.2		
	1415 SGMR	45	1750.9	1800.2	9.4	190.0	70.0		
	606 SGMR	4	1902.6	1902.8	.7	87.0	8.2		
	245 SGMR	6	1902.5	1903.1	1	42.9	6.4		
	1415 SGMR	2	1902.6	1903.1	1.2	3.5	1.7		
	2800 OTTA	1	2105	2105.8	2	2.4	1.2		
	3750 TYKW	5	0210	0310	90	4.0	2.0		
	2000 TYKW	5	0210	0310	90	2.0	1.0		
	2695 MANI	2	0227.3	0228	1.2	4.7	2.3		
	1415 MANI	2	0227.4	0227.4	1.2	4.0	2.0		
	606 MANI	2	0230	0234.2	5.8	4.4	2.2		
	2695 MANI	2	0258.2	0301	6.2	9.3	4.7		
	2000 TYKW	45	0258	0258.8	3.5	5.0	1.0		
	8800 MANI	2	0300.5	0301.1	1.7	5.2	2.6		
	4995 MANI	4	0300.2	0301.1	4.2	14.6	6.5		
	3750 TYKW	5	0300.6	0301	1.5	8.0	3.0		
	208 VORO	40	0309	0334	27	162.0			
	18 MCMA	42	0546	0548	16			1	
	18 MCMA	6	0654	0655	2			1	
	18 MCMA	42	0713	0747	65			1	
	204 KIEV	44	0740	0955 D	400 U	37.0	10.0		
	221 ABST		0746	0746.3	1.5	14.0	3.0		
	260 ONDR	41	0800	1200.5	420	45.0			
	221 ABST		0851.4	0852	1	15.0	3.0		
	245 SGMR	44	1048 E		675 D				
	234 POTS	45	1126.4	1126.5	.3	100.0	20.0		
	240 KIEL	44	1340 E	1340		250.0	20.0		
	9400 HUAN	20	1817.8	1849.8	65.2	9.4	5.2		
5	9400 TYKW	5	0210	0230	80	10.0	3.0		
	1415 MANI	22	0210.9	0220.2	30.1	4.0	2.0		
	3750 TYKW	5	0213	0226	75	7.0	3.0		
	606 MANI	22	0214.2	0228	26.8	6.8	2.9		
	3750 TYKW	5	0214.9	0215.1	1	47.0	10.0		
	2695 MANI	22	0214.1	0215.2	26.9	3.1	1.5		
	2000 TYKW	5	0214	0256	65	4.0	2.0		
	2000 TYKW	45	0214	0214.5	3	5.0	2.0		
	1000 TYKW	5	0215	0215.5	2	2.0	1.0		
	221 ABST		0600	0635.3	180				
	204 KIEV	44	0700 E	0754.5	175	40.0	10.0		
	260 ONDR	41	0710	1400	465	65.0			
	260 ONDR	44	0710	0900.5	100	50.0			
	225 HARS	45	0823.5	0825	3	75.0			
	234 POTS	45	0851.3	0851.3	4	400.0	100.0		
	536 ONDR	45	0913.5	0915	4	160.0			
	204 KIEV	6	0956.8	0957.1	1	62.0			
	245 SGMR	43	1159.6		605.4D				
	240 KIEL	44	1209 E	1209		300.0	30.0		
	234 POTS	40	1216.1	1216.5	5	100.0	1.0E		
	204 KIEV	43	1245		75	33.0	8.0		
	260 ONDR	44	1310	1400	115	65.0			
	536 ONDR	5	1330.5	1330.5	1	110.0			
	111 POTS	45	1348.4	1348.6	.4	350.0	70.0		
	2800 OTTA	32	1515	1555	75	-4.2	-2.1		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
6	2800 OTTA	20	1630	1715	105	6.8	3.4	1	
	4995 SGMR	4	1833.6	1834.4	8.5	7.9	1.8		
	2695 SGMR	20	1833.3	1834.3	8.2	3.2	1.5		
	8800 SGMR	20	1834	1834.1	8.3	5.1	1.0		
	2695 SGMR	2	1847.9	1850.2	3.1	5.8	1.0		
	4995 SGMR	2	1848.7	1850.4	2.7	7.0	1.8		
	15400 SGMR	4	1849.5	1850.5	1.6	11.2	3.0		
	8800 SGMR	1	1849.8	1850.4	1.6	4.1	1.0		
	1415 SGMR	1	1850	1850.3	1	1.9	.5		
	18 MCMA	41	1911	1913	5				
	15400 SGMR	3	1949.7	1949.8	1.4	19.0	5.0		
	606 SGMR	1	1949.5	1949.8	1.1	1.0	.5		
	8800 SGMR	3	1949.7	1949.8	1.9	8.2	1.5		
	4995 SGMR	3	1949.7	1949.8	.8	8.2	1.4		
	2695 SGMR	1	1949.6	1949.8	.7	5.8	1.5		
	1415 SGMR	1	1949.5	1949.8	1.7	3.8	1.0		
	2800 OTTA	20	2050	2225	130	3.2	1.6		
	9400 TYKW	5	0002	0002.5	1.5	8.0	3.0		
	100 KODA	45	0437		297 D	38.0D			
	100 GORK	44	0505		485 D	100.0			
	200 GORK	44	0506 E		360 D		10.0		
	650 GORK	46	0507.4	0511	14.4	16.0	6.6		
	606 MANI	22	0507.2	0519.8	35	32.3	15.2		
	1415 MANI	23	0507.2	0519.8	35	11.3	5.1		
	1415 MANI	4	0508	0510.8	3.2	11.4	7.2		
	650 GORK	45	0512.9	0515.9	8.7	19.0			
	650 GORK		0512.9	0520		35.0			
	2000 TYKW	45	0518	0520	4	2.0	1.0		
	1000 TYKW	45	0518	0520	4	11.0	3.0		
	200 GORK	41	0523.3	0523.6	1.7	120.0			
	650 GORK	40	0524	0530.2	26.4	14.0	1.5		
	111 POTS	45	0614 E	0614 U		100.0U			
	234 POTS	45	0643.9	0644	.2	100.0	25.0		
	100 GORK	6	0657	0658.9U	3.1	500.0			
	111 POTS	45	0658.5	0658.9	1.4	1600.0	200.0		
	204 KIEV	44	0700 E	0806.6	85	44.0	12.0		
	100 GORK	6	0721	0721.5U	.7	1500.0			
	204 IZMI	41	0802		2	140.0			
	3000 NERA	5	0802	0812	41	10.0	5.0		
	1470 BERL	20	0804	0827	146	2.7	1.2		
	9500 BERL	20	0808	0827.5	52	12.0	2.8		
	221 ABST		0823	0823.5	1	15.0	2.0		
	204 KIEV	43	0825		335	30.0	8.0		
	111 POTS	45	0908.7	0908.9	1	250.0	35.0		
	3100 CRIM	3		1105	6	8.0	3.0		
	1470 BERL	20	1128	1138	20 U	1.2	0.7		
	9500 BERL	20	1141	1149	49 U	8.7	3.6		
	3000 NERA	5	1143.2	1145.6	4	9.0	4.0		
	200 GORK	44	1200		60 D		5.0		
	2800 OTTA	20	1245	1440	235	5.2	3.0		
	2800 OTTA	20	1650	1725	110	2.6	1.3		
	100 HIRA	45	2310	2311	2	340.0D	250.0D		
	606 MANI	4	2311	2315.7	11	7.8	2.9		
	1415 MANI	2	2312.4	2314.2	5.8	6.4	3.2		
	606 MANI	4	2326.2	2330.2	6.8	22.4	9.7		
7	9400 TYKW	5	0030	0040	40	5.0	2.0		
	3750 TYKW	5	0030	0040	50	4.0	2.0		
	2000 TYKW	5	0030	0040	50	2.0	1.0		
	9400 TYKW	5	0045.5	0046.1	1	9.0	3.0		
	3750 TYKW	5	0133	0143	130	5.0	2.0		
	9400 TYKW	5	0135	0143	35	5.0	2.0		
	2000 TYKW	5	0140	0210	80	2.0	1.0		
	200 GORK	6	0449.2	0449.3	.4	40.0			
	100 GORK	41	0449.2	0449.2	.7	35.0D			
	100 GORK	41	0526.6	0526.8	.9	35.0D			
	8800 MANI	3	0628.3	0628.5	2.7	59.0	29.5		
	221 ABST		0645	0646	1	15.0	2.0		
	204 KIEV	42	0710		420	23.0	6.0		
	260 ONDR	45	0722	0744	30	35.0			
	100 GORK	6	0749.1	0749.4	.7	40.0D			
	221 ABST		0756	0757	1.2	10.0	4.0		
	260 ONDR	45	0834.5	0835	2.5	35.0			
	3100 CRIM	20	1002	1045	61	9.0	3.0		
	235 TRST	41	1011.5	1011.8	1	135.0			
	606 SGMR	22	1157.2	1201.2	85.1	15.6	7.8		
	235 TRST	45	1203.7	1203.9	.3	260.0	50.0		
	100 GORK	41	1212.1	1213.7	2.6	38.0D			
	100 GORK	41	1234.2	1234.8	3.2	20.0			
	100 GORK		1234.2	1236.1		45.0			
	260 ONDR	45	1346	1346	1.5	75.0D			
	235 TRST	41	1346.6	1346.8	.7	465.0			
	234 POTS	40	1346.7	1346.8	.5	175.0	12.0		
	200 NERA	45	1346.6	1347.2	1	300.0	175.0		
	260 ONDR	45	1437.5	1438	1	90.0D			
	245 SGMR	6	1437.6	1438.2	1.3	88.0	21.0		
	235 TRST	45	1437.9	1438.3	.9	175.0	35.0		
	1415 SGMR	1	1437.9	1438.4	.9	5.9	2.6		
	930 BORD	45	1438	1438.5	1	26.0	4.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
8	606 SGMR	1	1438.3	1438.4	.4	3.6	1.8		
	2800 OTTA	20	1440	1500	120	4.0	2.0		
	9400 HUAN	22	1457.8	1518.5	112.5	7.4	4.1		
	930 BORD	5	1533	1533.4	1	85.0	1.0		
	930 BORD	5	1601	1601.2	1	47.0	1.0		
	2800 OTTA	32	1710	1745	60	-3.4	-1.7		
	7000 SAOP	20	1726.1		35.4	9.8			
	9400 HUAN	20	1812.7	1825.3	37	5.5	2.1		
	2695 PENT	24	2200		10	3.4			
	3750 TYKW	5	0017	0018.3	8	3.0	1.0		
	2000 TYKW	45	0017.5	0018.4	3	4.0	1.0		
	1000 TYKW	45	0017.5	0018.4	3	26.0	6.0		
	606 MANI	4	0117.8	0118.3	1.7	9.0	4.0		
	500 HIRA	45	0118	0118.2	1.5	100.0	5.0		
	208 VORO	5	0118	0118	1	640.0	140.0		
	200 HIRA	45	0118	0118.5	1.5	1290.00	250.00		
	9400 TYKW	5	0118	0118.3	1	15.0	3.0		
	8800 MANI	4	0118.1	0118.2	.3	21.7	10.8		
	4995 MANI	3	0118.1	0118.2	2.2	14.6	3.7		
	3750 TYKW	5	0118	0118.3	2	7.0	2.0		
	2695 MANI	3	0118.1	0118.3	5.9	7.8	3.1		
	2000 TYKW	5	0118	0118.4	2	12.0	4.0		
	1415 MANI	4	0118.1	0118.3	1.9	44.7	21.8		
	1000 TYKW	5	0118	0118.4	2	93.0	20.0		
	606 MANI	41	0130.5	0135.5	7.3	385.0	20.0		
	1000 TYKW	5	0130.2	0130.4	.5	4.0	1.0		
	500 HIRA	45	0132.5	0136.6	4.5	745.0	10.0		
	208 VORO	40	0132	0136.8	6	540.0			
	200 HIRA	45	0132	0132	1	300.0	90.0		
	9400 TYKW	45	0132	0136.9	6	7.0	1.0		
	4995 MANI	2	0132.6	0132.7	.2	3.7	1.8		
	3750 TYKW	5	0132	0132.8	6	3.0	1.0		
	2695 MANI	1	0132.6	0132.8	.6	4.7	1.6		
	2000 TYKW	45	0132	0132.9	6	9.0	1.0		
	1415 MANI	41	0132.6	0132.8	5.4	10.9	3.3		
	1000 TYKW	40	0132	0132.9	6	110.0	10.0		
	200 HIRA	45	0136	0136.5	1.5	1290.00	50.00		
	3750 TYKW	5	0145	0206	85	6.0	2.0		
	9400 TYKW	5	0150	0210	70	6.0	2.0		
	1000 TYKW	5	0246	0246.2	1	6.0	2.0		
	3750 TYKW	5	0330	0400	80	6.0	3.0		
	3750 TYKW	5	0413.5	0413.8	1	3.0	1.0		
	200 GORK	44	0451 E		40 D		28.0		
	650 GORK	40	0607.1	0609.5	4.2	7.9			
	950 GORK	40	0609.3	0609.4	.4	10.2			
	1000 TYKW	5	0609	0609.5	1	12.0	2.0		
	650 GORK	40	0613.2	0617.4	11.5	7.9			
	950 GORK	40	0614.9	0617.2	2.8	33.3			
	234 POTS	40	0616.3	0616.4	12.7	900.0	10.0		
	200 NERA	40	0616.3	0629.9	13	320.0			
	200 GORK	6	0616.3	0616.4	.3	230.00			
	100 GORK	6	0617.4	0617.5	.4	30.0			
	950 GORK	40	0621.8	0622	2.6	9.4			
	1000 TYKW	40	0622	0628.3	7	45.0	4.0		
	650 GORK	4	0626.4	0628.5	6.1	41.0	3.1		
	950 GORK	4	0627	0628.6	1.9	33.3			
	1415 MANI	4	0627.2	0628.2	2.2	12.2	5.5		
	610 NERA	45	0628.1	0628.7	1	50.0	30.0		
	606 MANI	4	0628	0628.5	1.8	40.0	20.0		
	221 ABST		0628	0628.4	1.5				
	200 GORK	6	0628.2	0628.5	1	220.00			
	111 POTS	45	0628.8	0628.8	.3	800.0	200.0		
	100 GORK	6	0628.8	0628.9	.6	37.0			
	3750 TYKW	5	0628.5	0628.8	.7	4.0	1.0		
	2000 TYKW	40	0628	0628.8	1.5	4.0	1.0		
	100 GORK	44	0645		95		5.0		
	204 KIEV	42	0700 E		420	48.0	6.0		
	650 GORK	4	0720.9	0723	2.8	11.8	5.0		
	260 ONDR	45	0720		10	120.00			
	204 IZMI	41	0720.5	0726.3	9.5				
	950 GORK	41	0721	0721.2	2.7	6.9			
	950 GORK		0721	0721.6		18.9			
	950 GORK		0721	0723		140.8			
	235 TRST	41	0721.5	0726	8.7	6850.00			
	204 KIEV	41	0721.2	0723.5	10.4	65.00			
	1000 TYKW	40	0721	0722.9	10	155.0	12.0		
	606 MANI	4	0722.5	0723.1	1.3	13.0	6.0		
	600 UCCL	5	0722.5	0723.3	1.7	11.0	3.0		
	420 KIEL	6	0722	0726	8	2000.0	80.0		
	240 KIEL	6	0722	0726	8	2000.0	150.0		
	234 POTS	40	0722.7	0726.1	6.7	10000.0	300.0		
	225 HARS	45	0722	0727	8	170.00	100.0		
	200 GORK	41	0722.9	0723.6	8.7	320.00			
	200 GORK		0722.9	0726		320.00			
	200 GORK		0722.9	0729.4		320.0			
	200 GORK		0722.9	0731.4		200.0			
	111 POTS	40	0722.8	0726.1	6.5	1200.0	25.0		
	100 GORK	41	0722.9	0723.1	11.8	40.0			
	100 GORK		0722.9	0725		50.00			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
8	100 GORK		0722.9	0731.5		4500.0D			
	100 GORK		0722.9	0733.9		800.0			
	2000 TYKW	40	0722.5	0726.1	8	23.0	3.0		
	1470 BERL	46	0722.3	0726.7	9.2	37.0	7.6		
	1420 KIEL	5	0722	0726	8	200.0	30.0		
	1415 MANI	4	0722.7	0722.9	1.1	20.0	10.0		
	650 GORK	44	0725.2	0726	4.8	268.0			
	650 GORK		0725.2	0727.8		107.0			
	650 GORK		0725.2	0728.9		143.0			
	606 MANI	46	0725.2	0726	6.3	320.0	40.0		
	600 UCCL	45	0725.5		5	90.0D	30.0		
	500 HIRA	45	0725	0725.8	5.5	485.0	10.0		
	204 IZMI	48	0725.8	0726.3	1.2	4300.0	1700.0		
	204 KIEV	6	0725.6		1.2	65.0D			
	200 HIRA	45	0725	0725.5	1	1220.0D	260.0D		
	3750 TYKW	45	0725.5	0726.1	5	6.0	2.0		
	2695 MANI	4	0725.9	0726.2	5.6	15.6	7.8		
	1415 MANI	46	0725.9	0726.2	5.6	50.0	22.2		
	950 GORK	46	0726	0726.4	5.1	111.7			
	950 GORK		0726	0727.9		44.7			
	9500 BERL	1	0726.2E	0726.2		6.0			
	3800 GORK	1	0726	0726.3	.4	5.5	1.7		
	3100 CRIM	45	0727	0727.5	5	11.0	4.0		
	3100 CRIM		0727	0730		7.0			
	100 HIRA	45	0733	0734	2	100.0D	40.0		
	950 GORK	1	0737.6	0737.8	.3	11.0	5.5		
	23 POTS	45	0943.4	0943.4	.5	12000.0	2000.0		
	235 TRST	41	0952.6	0952.9	1.4	240.0			
	204 KIEV	6	1008	1008.3	.9	50.0			
	600 UCCL	40	1009.5	1011.8	2.5	23.0	5.0		
	930 BORD	45	1010	1010.4	1	16.0	2.0		
	235 TRST	45	1027.7	1028.1	.9	1000.0	250.0		
	930 BORD	45	1028	1028	1	400.0	10.0		
	600 UCCL	5	1028	1028.3	.8	34.0	16.0		
	260 ONDR	5	1028	1028.5	1	105.0D			
	234 POTS	45	1028	1028.1	.4	350.0	70.0		
	930 BORD	5	1032	1032.2	1	11.0	1.0		
	930 BORD	45	1035	1035.3	1	9.0	2.0		
	600 UCCL	45	1035.1	1035.7	.8	14.0	8.0		
	204 IZMI	41	1121		14	430.0			
	235 TRST	45	1134.6	1134.9	.5	350.0	100.0		
	234 POTS	45	1134.7	1135	.4	100.0	20.0		
	606 SGMR	40	1150.1	1156	15	86.0	21.0		
	420 KIEL	6	1150	1156	12	2000.0	80.0		
	408 SANM	41	1150	1154.3	11.7	509.0	23.0		
	260 ONDR	45	1150	1155	11	95.0D			
	204 KIEV	41	1151.3	1155.9	10	63.0			
	930 BORD	45	1152	1158	9	180.0	5.0		
	245 SGMR	40	1152	1157.2	11.5	5800.0	200.0		
	200 GORK		1152.5E	1155.9U	6.6E	1500.0			
	235 TRST	41	1153.5	1257.4	7.5	6000.0D			
	1415 SGMR	40	1153	1157.8	10.3	27.6	5.2		
	240 KIEL	6	1154	1156	5	2000.0	100.0		
	234 POTS	40	1154.5	1157.4	6.2	2500.0	40.0		
	225 HARS	45	1154	1158	6	170.0D	100.0		
	100 GORK	48	1154.8E	1155.8	3.5E	2000.0			
	1420 KIEL	5	1154	1156	5	50.0	15.0		
	650 GORK	40	1155.2E	1155.9U	6 E	37.0			
	600 UCCL	45	1155 E		6.5D				
	111 POTS	40	1155.7	1157.6	2	800.0	7.0		
	1470 BERL	46	1155.3	1157.5	5.7	22.0	2.9		
	950 GORK	40	1157 E	1159.6U	3 E	59.0			
	1420 KIEL	5	1257	1257	3	220.0	50.0		
	111 POTS	5	1313.6	1313.7	.1	200.0	70.0		
	260 ONDR	5	1314	1314	1	70.0			
	245 SGMR	6	1341.6	1342.2	1.6	485.0	161.0		
	1415 SGMR	1	1341.7	1342.5	1.5	6.6	3.1		
	606 SGMR	1	1342.3	1343.1	1.1	2.6	1.3		
	235 TRST	45	1342.9	1343.1	.8	885.0	200.0		
	1470 BERL	4	1342.5	1343.3	1.5	5.2	1.7		
	930 BORD	5	1343	1343.7	1	33.0	9.0		
	600 UCCL	5	1343	1343.7	1.8	7.0	4.0		
	260 ONDR	5	1343	1343	1	110.0D			
	234 POTS	45	1343	1343.2	.3	200.0	30.0		
	240 KIEL	44	1344 E	1344		800.0	15.0		
	111 POTS	45	1357.1	1357.1	.1	150.0	40.0		
	930 BORD	40	1511	1523.5	1.3	51.0	3.0		
	2800 OTTA	41	1511	1514.5	5	2.2			
	2800 OTTA	1	1511	1512	2	2.0	1.0		
	1415 SGMR	1	1511.5	1512.4	4.2	3.0	1.5		
	606 SGMR	45	1512.8	1515.7	10.3	1240.0	200.0		
	245 SGMR	45	1512.6	1513	5.7	79.0	13.0		
	600 UCCL	45	1513.2	1516.2	6.5	830.0	270.0		
	2800 OTTA	1	1513	1514.5	2	2.2	1.1		
	235 TRST	41	1554.7	1554.9	.2	365.0			
	606 SGMR	45	1629.8	1630.5	5.5	300.0	50.0		
	35000 SGMR	3	1630.6	1630.8	.6	370.0	185.0		
	15400 SGMR	3	1630.4	1630.9	3.6	385.0	190.0		
	10700 PENN	3	1630.3	1630.9	5.2	334.0	32.5		
	960 PENN	45	1630.3	1631.1	3.4	329.0	79.3		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
9	930 BORD	45	1630	1631	9	630.0	24.0		
	600 UCCL	45	1630.2	1631.5	3				
	408 SANM	45	1630	1631.2	10	381.0	95.5		
	245 SGMR	45	1630	1630.6	8.3	11400.0	293.0		
	9400 SLOU	3	1630.4	1630.8	1.8	486.0			
	9400 HUAN	3	1630	1630.6	1.5	370.5	117.9		
	2800 SLOU	3	1630.3	1631	3 U	225.0			
	2800 OTTA	3	1630	1631.2	5	185.0U			
	2700 PENN	3	1630.3	1631	3.4	257.0	63.0		
	4995 SGMR			1631.8	1.40	31.0U			
	2695 SGMR			1630.9	4.20	135.0U			
	1415 SGMR	3	1630.1	1631	5.7	360.0	47.0		
	9400 HUAN	30	1631.5	1631.5	13.7	7.4	4.0		
	8800 SGMR			1632.1	3.60	11.8U			
	9400 HUAN	1	1632.3	1632.8	.9	11.2	5.1		
	960 PENN	29	1633.7	1633.7	9.3	10.1	5.0		
	2700 PENN	29	1633.7	1633.7	8.2	10.6	5.3		
	606 SGMR	29	1635.3	1635.3	19.9	6.8	3.4		
	2800 OTTA	29	1635		20	4.8	2.4		
	2695 SGMR	29	1635.1	1635.1	16.5	4.0	1.9		
	1415 SGMR	29	1635.8	1635.8	12	6.0	3.0		
	606 SGMR	45	1823	1823.2	1.8	69.0	18.2		
	606 SGMR	45	1853	1855.3	5.3	65.0	15.6		
	2695 PENT	22	2010	2040	75	4.0	2.0		
	2695 PENT	1	2231	2236	8	2.8	1.4		
	3750 TYKW	45	0222	0224.2	3	11.0	4.0		
	606 MANI	4	0223.1	0223.3	5.7	177.0	39.0		
	9400 TYKW	45	0223	0224.1	2	21.0	6.0		
	8800 MANI	4	0223.2	0224.4	3.5	17.0	8.5		
	4995 MANI	4	0223.3	0224.3	3.9	12.7	5.4		
	2695 MANI	3	0223.3	0224.3	4.2	9.4	3.1		
	2000 TYKW	45	0223	0224.2	5	10.0	3.0		
	1415 MANI	2	0223.2	0224.3	4.9	5.7	2.2		
	1000 TYKW	45	0223	0223.2	5	5.0	2.0		
	9400 TYKW	29	0225		15	2.0	1.0		
	3750 TYKW	29	0225		15	3.0	1.0		
	9400 TYKW	5	0320	0321.7	3	55.0	10.0		
	3750 TYKW	5	0320.5	0321.7	2.5	28.0	7.0		
	606 MANI	4	0321.2	0321.7	2	70.0	19.5		
	208 VORO	5	0321	0321.5	120	134.0	30.0		
	8800 MANI	3	0321.2	0321.7	2.8	57.0	28.3		
	4995 MANI	3	0321.2	0321.7	2.8	54.0	27.0		
	2695 MANI	3	0321.2	0321.5	3.1	17.2	7.8		
	2000 TYKW	5	0321	0321.7	4	18.0	4.0		
	1415 MANI	4	0321.2	0321.5	3.1	112.0	33.9		
	1000 TYKW	5	0321	0321.4	2	580.0	105.0		
	9400 TYKW	29	0323		10	4.0	2.0		
	3750 TYKW	29	0323		7	2.0	1.0		
	200 HIRA	45	0430	0431.5	3	1330.00	310.00		
	100 KODA	5	0430		15	52.00			
	100 HIRA	45	0430.5	0432	4.5	220.00	150.0		
	606 MANI	4	0431.6	0431.8	4.6	78.0	20.0		
	9620 IRKU	1	0431	0431.7	4	23.0			
	9400 TYKW	5	0431	0431.6	2	26.0	5.0		
	9100 GORK	41	0431.5	0431.8	3.5	30.0	5.7		
	8800 MANI	3	0431.6	0432.5	4.6	24.4	8.1		
	4995 MANI	4	0431.6	0432.5	4.6	35.8	12.5		
	3750 TYKW	45	0431	0431.7	2	33.0	10.0		
	2695 MANI	4	0431.6	0432.5	4.6	31.6	11.1		
	2000 TYKW	45	0431	0431.8	5	30.0	9.0		
	1415 MANI	4	0431.6	0432.5	4.6	30.5	8.7		
	9400 TYKW	29	0433		7	3.0	1.0		
	3750 TYKW	29	0433		7	2.0	1.0		
	200 HIRA	45	0435.5	0435.5	1	410.0	140.0		
	100 HIRA	45	0436	0436.4	1	220.00	90.0		
	100 HIRA	45	0438.4	0440	4	220.00	180.0		
	950 GORK	1	0713.2	0713.4	.4	5.0	1.5		
	650 GORK	1	0713.9	0714	.4	4.9	1.5		
	200 GORK	41	0835.6	0836.2	2.5	80.0			
	200 GORK		0835.6	0837.7		24.0			
	100 GORK	6	0836.1	0836.1	.2	50.0			
	100 GORK	6	0840.9	0840.9	.3	50.00			
	100 GORK	41	0916.5	0916.6	6.4	30.0			
	100 GORK		0916.5	0919.6		10.0			
	100 GORK		0916.5	0920.4		1000.00			
	100 GORK		0916.5	0922.2		1000.00			
	9100 GORK	1	0917.1	0917.4	1.7	14.3	4.8		
	204 KIEV	41	0919.4	0922.5	4.2	65.00			
	200 GORK	41	0919.4	0919.6	3.3	190.0			
	200 GORK		0919.4	0922.4		400.00			
	9100 GORK	1	0921.6	0922.9	2.1	11.4	3.1		
	950 GORK	2	0922.3	0922.5	.8	6.5			
	650 GORK	3	0922.1	0922.4	.5	122.0	60.0		
	235 TRST	45	0922.2	0922.3	.5	3280.0	600.0		
	234 POTS	45	0922.2	0922.2	.4	1400.0	200.0		
	204 IZMI	6	0922.2	0922.5	.7	1600.0	500.0		
	111 POTS	45	0922.2	0922.2	.4	4500.0	700.0		
	200 GORK	41	0944.8	0947.2	4.7	350.0			
	200 GORK		0944.8	0949.1		10000.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION MINUTES	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT		PEAK	MEAN		
9	204 IZMI	41	0945.8	0949	4				
	204 KIEV	41	0945.7	0947.4	4.1	65.0D			
	100 GORK	41	0945.1	0945.2	4.8	30.0			
	100 GORK		0945.1	0946.1		50.0D			
	100 GORK		0945.1	0947.2		40.0			
	100 GORK		0945.1	0949.1		10000.0			
	950 GORK	4	0948.1	0948.8	.9	17.8			
	650 GORK	45	0948.4	0948.5	1.4	58.0			
	650 GORK		0948.4	0949.1		157.0			
	235 TRST	41	0948.4	0949.1	1.2	6500.0			
	234 POTS	45	0948.4	0949.1	.8	3000.0	270.0		
	204 IZMI	6	0948.8	0949	.8	1700.0	500.0		
	111 POTS	45	0948.4	0949.1	1.2	1600.0	200.0		
	650 GORK	40	1004.7		2.4	5.1			
	204 KIEV	6	1005.9	1006.5	1.5	65.0D			
	950 GORK	40	1006.2	1007.8	.8	2.5			
	235 TRST	41	1006	1006.7	1	3280.0			
	234 POTS	45	1006.5	1006.7	.4	1800.0	350.0		
	204 IZMI	6	1006.2	1006.3	1	3500.0	600.0		
	204 IZMI		1006.2	1006.8		500.0	100.0		
	200 GORK	6	1006.2	1006.7	.8	400.0D			
	111 POTS	45	1006.6	1006.6	.5	1500.0	300.0		
	100 GORK	6	1006.2	1006.5	.9	1000.0			
	200 GORK	6	1027	1027.2	2.8	390.0			
	100 GORK	41	1027.1	1027.2	2.6	40.0D			
	100 GORK		1027.1	1028.3		40.0D			
	650 GORK	40	1028	1029	1.1	8.6			
	100 GORK	6	1034.6	1034.7	.3	30.0			
	100 GORK	6	1100.6	1100.8	1	20.0			
	200 GORK	6	1137.3	1137.5	.4	38.0			
	100 GORK	6	1209.7	1209.9	.3	8.0			
	2800 OTTA	20	1425	1510	110	8.0	4.0		
	9400 HUAN	20	1450.7	1502	73	6.5	3.6		
	930 BORD	5	1456	1456.3	1	16.0	2.0		
	606 SGMR	1	1532	1532.1	.5	1.6	.5		
	245 SGMR	43	1544 U	1818.2	381 D	520.0			
	606 SGMR	4	1546.8	1547	.5	13.3	5.3		
	600 UCCL	5	1547.2	1547.6	1	27.0	14.0		
	606 SGMR	45	1548.8	1549.7	1.3	79.5	6.4		
	600 UCCL	45	1549.2	1550.3	1.3	72.0	32.0		
	606 SGMR	3	1744.6	1744.7	.3	11.4	5.2		
	606 SGMR	1	1811	1811.3	.5	4.2	1.0		
	606 SGMR	4	1839	1839.2	1.8	20.8	2.1		
	606 SGMR	41	1847.6	1852.3	5.3	1050.0	5.2		
	2800 OTTA	20	1855	1905	65	2.6	1.3		
	606 SGMR	4	2000.9	2001.2	.8	25.5	3.6		
	606 SGMR	1	2002.8	2002.9	.4	2.0	.5		
	606 SGMR	41	2010.4	2010.8	4.4	620.0	5.2		
	2800 OTTA	40	2010.5	2010.8	10	5.4			
	2800 OTTA	20	2050	2100	140	8.4	4.2		
	606 SGMR	1	2054.6	2054.9	2.1	2.6	.5		
	9400 HUAN	22	2054.8	2106.7	60.2D	18.5	10.9		
	606 SGMR	1	2107.8	2107.9	.3	2.1	.5		
	606 SGMR	3	2111.3	2111.6	.5	74.8	15.6		
	606 SGMR	41	2124.3	2128.2	4.5	42.6	2.6		
	606 SGMR	41	2153.5	2154.7	3.3	94.0	2.6		
	606 SGMR	3	2157.2	2157.3	.5	3900.0	10.4		
10	9400 TYKW	5	0249	0252	10	4.0	2.0		
	3750 TYKW	5	0249	0252	30	2.0	1.0		
	3800 GORK	3	0408.9	0409.4	2.7	15.0	4.2		
	3750 TYKW	5	0430	0433	60	3.0	1.0		
	200 GORK	44	0530 E		182		6.0		
	100 GORK	44	0530 E		420 D		5.0		
	200 GORK	6	0546.5	0546.8	1.6	110.0			
	100 GORK	6	0552.1	0552.2	.3	80.0			
	200 GORK	6	0607.4	0607.8	1.1	260.0D			
	200 GORK	42	0609	0718.2	378	330.0			
	650 GORK	4	0626.2	0626.4	.4	12.8	6.4		
	234 POTS	45	0629.8	0630.1	.2	150.0	20.0		
	221 ABST		0641.3	0642.3	1.4	80.0	28.0		
	100 GORK	6	0641.6	0641.8	.6	27.0			
	204 KIEV	44	0700 E		420	44.0	7.0		
	600 UCCL	40	0738.8	0741.9	2.6	9.0			
	221 ABST		0752	0752.3	1.2	32.0	24.0		
	100 GORK	41	0826.9	0828	2.8	23.0			
	100 GORK		0900 U	0909.3U		60.0			
	1470 BERL	1	0937.5	0938.3	1.5	2.6	0.6		
	600 UCCL	40	0938.6	0939.2	1.5	7.0			
	100 GORK	6	0938.1	0938.4	.8	34.0			
	650 GORK	1	1046.1	1046.2	.3	6.3			
	100 GORK	6	1048.9	1049	.6	62.0			
	7000 SAOP	3	1101.8	1102.3	1	14.1	6.9		
	7000 SAOP	29	1102.8		4.5				
	950 GORK	1	1114.2	1114.3	.6	3.8	1.9		
	930 BORD	45	1114	1114.4	1	24.0	3.0		
	650 GORK	4	1114.2	1114.3	.5	90.0			
	606 SGMR	41	1114.2	1114.3	2.3	265.0	5.5		
	600 UCCL	5	1114.5	1114.5	.8	99.0	45.0		
	1470 BERL	1	1114 E	1114		1.9			

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
10	1415 SGMR	1	1114.2	1114.3	1	4.5	1.5		
	600 UCCL	40	1115.4	1115.6	1.4	6.0			
	606 SGMR	1	1136.4	1136.8	.5	5.5	1.7		
	606 SGMR	3	1141.8	1142	.4	8.3	2.2		
	245 SGMR	6	1141.7	1142.1	.6	33.1	4.8		
	9400 HUAN	20	1225.9	1234.3	12.3	2.8	1.5		
	2800 OTTA	20	1300	1310	30	2.2	1.1		
	606 SGMR	1	1301.6	1301.7	.5	2.2	.8		
	606 SGMR	3	1310.3	1310.5	.4	185.0	5.5		
	600 UCCL	5	1310.7	1311	1.2	45.0	10.0		
	9400 HUAN	20	1330.7	1359.6	54.6	3.7	2.7		
	9400 HUAN	22	1522	1738.8	390.5	11.2	9.6		
	2800 OTTA	21	1605	1735	160	2.8	1.8		
	600 UCCL	5	1625.9	1626	.8	13.0	6.0		
	2800 OTTA	20	1702	1707	10	2.6	1.3		
	606 SGMR	8	1727.3	1727.5	.3	34.4	5.3		
	2800 OTTA	22	1814	1815.2	12	2.8	1.4		
	2800 OTTA	24	1905		25	2.6			
	9400 HUAN	8	2223.3	2223.7	.8	50.6	20.0		
	9400 TYKW	45	2223	2223.8	4	37.0	5.0		
	3750 TYKW	5	2223.5	2223.8	1	3.0	1.0		
	606 MANI	41	2354.3	2358.4	8.7	360.0	20.6		
	8800 MANI	2	2355	2358.4	6.6	5.6	2.8		
	4995 MANI	4	2355	2358.4	6.8	16.0	4.4		
	2695 MANI	4	2355	2358.4	6.8	16.6	4.5		
	1415 MANI	4	2355	2358.4	6.8	15.3	5.9		
	500 HIRA	45	2357		3	850.00	90.00		
	3750 TYKW	45	2357	2358.4	3	13.0	3.0		
	2695 PENT	45	2357	2358.4	4	20.0	5.0		
	2695 PENT	45	2357	2357.2	1	8.2			
	2695 PENT	45	2358	2358.4	3	20.0			
	2000 TYKW	45	2357	2358.5	4	14.0	3.0		
	1000 TYKW	45	2357	2358.4	4	18.0	3.0		
	9400 TYKW	5	2358	2358.4	1	10.0	2.0		
11	9400 TYKW	45	0050	0057	30	4.0	2.0		
	3750 TYKW	45	0050	0051	30	3.0	1.0		
	9400 TYKW	45	0124	0132	17	4.0	2.0		
	3750 TYKW	5	0131	0131.8	8	4.0	1.0		
	9400 TYKW	45	0145	0145.2	10	5.0	2.0		
	3750 TYKW	5	0145	0145.2	10	2.0	1.0		
	606 MANI	2	0314.8	0315.2	.8	7.2	3.1		
	1415 MANI	1	0315.4	0315.6	.8	3.5	1.2		
	9400 TYKW	5	0455	0456.8	5	9.0	2.0		
	3750 TYKW	5	0455	0456.8	5	4.0	1.0		
	100 GORK	44	0500 E		345				
	200 GORK	6	0527.9	0528.4	1.8	40.0			
	234 POTS	40	0601.2	0609.4	8.3	250.0	1.0		
	200 GORK	41	0611.7	0612.5	2.3	44.0			
	200 GORK		0611.7	0613.5		110.0			
	100 GORK	41	0611.6	0613.6	44	85.00			
	100 GORK		0611.6	0615.5		85.00			
	111 POTS	40	0612.8	0613.6	7.4	1200.0	6.0		
	23 POTS	40	0612.8	0619.7	7.2	6000.0	85.0		
	100 GORK	6	0619.3	0619.5	1.4	85.0			
	1415 MANI	22	0620.8	0626.8	12.9	7.2	2.4		
	2695 MANI	22	0623.6	0625.6	10.1	5.6	1.5		
	100 GORK	6	0624.8	0627.1	4.4	60.0			
	2000 TYKW	40	0625.5	0625.8	2	10.0	2.0		
	950 GORK	40	0626.5	0626.8	1.9	4.5			
	650 GORK	40	0626.7	0627.9	1.5	1.3			
	1000 TYKW	40	0626.5	0626.8	1.5	7.0	2.0		
	200 GORK	6	0627		.4	16.0			
	100 GORK	6	0633.4	0635.3	3.1	85.0			
	204 KIEV	42	0700 E	1355	420	31.0	6.0		
	23 POTS	40	0702.4	0702.5	1.3	2000.0	100.0		
	100 GORK	6	0722.6	0722.8	.6	85.0			
	23 POTS	45	0722.5	0723	.7	2000.0	175.0		
	200 GORK	6	0750.4	0750.5	.3	103.0			
	204 KIEV	41	0758	0802.4	3.9	57.0			
	200 GORK	41	0758.8	0759.8	3.6	211.0			
	200 GORK		0758.8	0802.1		230.0			
	204 IZMI	6	0903.4	0904	1	450.0	150.0		
	234 POTS	45	0919.3	0920.4	1.4	175.0	6.0		
	240 KIEL	44	0933 E	0933		2000.0	5.0		
	235 TRST	45	0933.7	0934.5	1	3390.0	650.0		
	234 POTS	45	0933.6	0934.5	1	2000.0	130.0		
	204 KIEV	6	0933.5	0934.4	1.5	65.00			
	200 GORK	6	0933.6	0934.5	1.2	575.00			
	111 POTS	45	0933.6	0934.5	1.1	1200.0	150.0		
	100 GORK	48	0933.6	0934.3	3.5	30000.0			
	23 POTS	45	0933.7	0934.3	1.1	22000.0	2500.0		
	200 NERA	45	0934.1	0934.7	2.8	475.0	200.0		
	200 GORK	41	0949.7	0950	1.5	58.0			
	200 GORK		0949.7	0950.9		69.0			
	100 GORK	6	0949.5	0951	1.8	1000.0			
	111 POTS	45	0950.8	0950.8	.5	120.0	25.0		
	23 POTS	40	0950.8	0950.8	9	8000.0	60.0		
	100 GORK	6	0959.3	0959.4	.3	75.0			
	200 GORK	42	1003	1044.6	82	86.0			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
11	100 GORK	6	1005.1	1005.2	.3	60.0			
	234 POTS	45	1009.8	1010.3	.5	120.0	5.0		
	100 GORK	6	1036	1036.6	.9	55.0			
	100 GORK	6	1039.6	1039.8	.5	55.0			
	[9500 BERL	1	1236 E	1236		5.2			
	[7000 SAOP	1	1239.6	1240	1	14.5	7.4		
	[9400 HUAN	20	1339.3	1355.5	29.5	2.8	1.7		
	[245 SGMR	6	1435.2	1435.4	.7	110.0	50.0		
	[235 TRST	45	1435.1	1435.4	.5	245.0	50.0		
	[9400 HUAN	20	1552	1701.6	111.2	5.6	3.5		
	[9400 HUAN	3	1553.8	1554.3	1.1	18.6	8.8		
	[10700 PENN	3	1554.1	1554.5	1.5	14.1	4.9		
	[7000 SAOP	3	1554.5	1554.9	1	20.3	10.2		
	[7000 SAOP	29	1555.5		.9				
	[245 SGMR	6	1601.7	1602.3	2.5	70.0	25.0		
	[2800 OTTA	20	1810	1850	210	4.6	2.3		
	[9400 HUAN	1	2056.8	2101.8	15.5	13.0	4.7		
	[9400 TYKW	45	2322	2327.7	10	280.0	55.0		
	[8800 MANI	4	2326.7	2327.7	13.3	325.0	142.0		
	[4995 MANI	4	2326.7	2327.7	13.3	235.0	110.0		
	[2695 PENT	3	2326	2328	8	76.0	28.0		
	[2695 MANI	3	2327	2327.8	13	58.0	29.0		
	[2000 TYKW	5	2327	2328	10	37.0	12.0		
	[1415 MANI	20	2327	2327.7	13	5.3	2.1		
	[9400 TYKW	29	2332		120	18.0	5.0		
	[2695 PENT	29	2334		25	5.2	2.6		
	[2000 TYKW	29	2337		50	3.0	1.0		
12	[9400 TYKW	5	0103	0103.2	1	3.0	1.0		
	[3750 TYKW	5	0103	0103.2	1	2.0	1.0		
	[111 POTS	40	0603.2	0606	9.7	400.0	2.0		
	[100 GORK	41	0603	0603.4	9.8	2000.0			
	[100 GORK		0603	0606		80.0			
	[100 GORK		0603	0607.3		45.0			
	[100 GORK		0603	0609.2		30.0			
	[100 GORK		0603	0612.9		780.0			
	[200 GORK	41	0605.4	0605.9	7.6	45.0			
	[200 GORK		0605.4	0612.3		60.0			
	[950 GORK	1	0607.2	0607.3	.3	2.2	1.0		
	[650 GORK	1	0607.1	0607.2	.3	1.0	0.5		
	[200 GORK	6	0650.1	0650.3	.3	10.0			
	[100 GORK	6	0650.1	0650.2	.4	80.0			
	[204 KIEV	44	0700 E	1230	420	37.0	7.0		
	[260 ONDR	41	0720	1442	460	70.0			
	[200 GORK	41	0738.9	0739.6	1.1	30.0			
	[100 GORK	6	0738.6	0739.6	2.3	90.0			
	[111 POTS	45	0739.4	0739.6	.6	280.0	10.0		
	[204 IZMI	6	0756.6	0756.8	.4	130.0	40.0		
	[200 GORK	6	0756.9	0756.9	.3	90.0			
	[111 POTS	45	0757	0757	.2	500.0	100.0		
	[100 GORK	6	0759	0759.1	.3	80.0			
	[221 ABST		0832	0833.2	1.5	9.0	5.0		
	[204 KIEV	41	0845	0850.4	8.5	60.0			
	[200 GORK	41	0845.3	0847.8	6.4	130.0			
	[200 GORK		0845.3	0850.1		220.0			
	[204 IZMI	41	0846	0850	8	260.0			
	[100 GORK	41	0846.6	0851	5.5	4000.0			
	[235 TRST	41	0847.8	0850.4	4.2	680.0			
	[200 NERA	45	0847.7	0850.4	5.5	350.0	100.0		
	[950 GORK	1	0849.5	0850.1	1.3	3.2	1.0		
	[930 BORD	45	0849	0850	2	8.0	2.0		
	[650 GORK	4	0849.5	0850.5	1.3	18.3	11.0		
	[610 NERA	45	0850	0850.6	1.5	40.0	20.0		
	[600 UCCL	45	0850.2	0851	1	34.0	10.0		
	[536 ONDR	45	0850.5	0850.5	1.5	85.0			
	[234 POTS	45	0850	0850.3	1	200.0	7.0		
	[111 POTS	45	0850	0851	1.5	600.0	20.0		
	[23 POTS	45	0850.3	0851.1	.8	1200.0	200.0		
	[204 IZMI	41	0935.6	0937	7	90.0			
	[100 GORK	41	0936.2	0937.4	1.6	60.0			
	[200 GORK	6	0937	0937	.1	10.0			
	[100 GORK	6	0942	0942	.7	35.0			
	[235 TRST	41	0945.8	0946.7	1.3	150.0			
	[200 GORK	41	0945.8	0946.8	6.2	120.0			
	[200 GORK		0945.8	0949.6		50.0			
	[200 GORK		0945.8	0951.9		85.0			
	[111 POTS	40	0945.8	0945.9	1.1	200.0	2.0		
	[100 GORK	41	0945.7	0946.8	4.2	75.0			
	[100 GORK		0945.7	0949.1		50.0			
	[23 POTS	40	0946.9	0946.9	.8	2000.0	130.0		
	[650 GORK	40	0949.4	0949.7	.7	2.5			
	[9500 BERL	1	1011.5E	1011.5		5.2			
	[100 GORK	41	1104	1105.6	1.8	50.0			
	[200 GORK	6	1105.3	1105.5	.3	25.0			
	[650 GORK	1	1110.5	1110.6	.3	1.0	0.5		
	[200 GORK	41	1110.5	1110.6	1.1	20.0			
	[200 GORK		1110.5	1111.5		10.0			
	[100 GORK	6	1110.6	1110.6	.7	90.0			
	[2800 OTTA	20	1250	1500	240	6.2	4.0		
	[240 KIEL	44	1300	1335		200.0	15.0		

48
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
13	9400 HUAN	20	1416.6	1450.1	54.5	7.8	3.7	2	
	9400 HUAN	20	1513	1518.8	40.3	5.8	3.9		
	930 BORD	45	1531	1532	2	9.0	2.0		
	606 SGMR	4	1531	1531.8	1.6	11.2	5.3		
	18 MCMA	6	1531	1533	3				
	960 PENN	45	1922.5	1925.2	3.1	81.9	3.4		
	2700 PENN	1	1924.5	1925	1	7.6	3.6		
	606 SGMR	1	1934.8	1936.2	2	3.7	1.6		
	1415 SGMR	1	1936.1	1936.3	.7	6.8	2.2		
	960 PENN	45	1946	1946.4	.6	13.1	2.5		
	2700 PENN	1	1946	1946.2	.6	2.9	1.3		
	8800 SGMR	1	2050.2	2050.3	.2	7.0	3.0		
	4995 SGMR	3	2050.1	2050.3	.4	8.4	3.7		
	2695 SGMR	1	2050	2050.2	.4	4.6	2.0		
	9400 TYKW	5	0021.5	0022.1	2	7.0	2.0		
	100 HIRA	45	0041	0042	5	210.0D	210.0D		
	2000 TYKW	5	0041	0043.8	4	13.0	3.0		
	3750 TYKW	5	0042	0043.8	5	42.0	5.0		
	606 MANI	4	0043.8	0044.1	1.4	8.0	4.0		
	9620 IRKU	1	0043.5	0043.8	2.5	13.5	4.0		
	9400 TYKW	5	0043	0043.8	5	15.0	4.0		
	8800 MANI	3	0043.8	0044.2	1.2	9.0	4.5		
	4995 MANI	4	0043.8	0044.2	1.4	34.5	15.7		
	2695 MANI	4	0043.6	0044.2	1.6	25.9	13.0		
	1415 MANI	1	0043.1	0044.1	2.1	7.0	3.5		
	1000 TYKW	5	0043	0043.9	2	2.0	1.0		
	221 ABST		0600	0753	180				
	200 GORK	41	0637.4	0644.2	7.2	70.0			
	100 GORK	41	0641	0641.1	.4	25.0			
	235 TRST	41	0654.9	0655.7	1.2	200.0			
	100 GORK	41	0654.9	0655.2	3.8	50.0D			
	200 GORK	41	0655.1	0655.7	3.9	35.0			
	204 KIEV	44	0700 E		435	42.0	12.0		
	200 GORK	6	0734.7	0735	.8	380.0	60.0		
	200 GORK	6	0749	0749.1U	.4	400.0	90.0		
	200 GORK	41	0808.7	0837.4	30.3	75.0			
	100 GORK	6	0828	0828.1	.5	65.0			
	100 GORK	41	0859.6	0859.8	1.1	50.0D			
	200 GORK	6	0911.3	0911.9	1.1	60.0	20.0		
	200 GORK	6	0927.6	0927.8	.5	140.0	25.0		
	240 KIEL	44	0954 E	0954		700.0	20.0		
	235 TRST	5	0954.2	0954.2	.1	1020.0	300.0		
	234 POTS	45	0954.3	0954.3	.1	450.0	120.0		
	235 TRST	45	1007.5	1007.6	.3	160.0	50.0		
	200 GORK	6	1022.6	1022.8	.5	70.0	20.0		
	950 GORK	1	1025.2	1025.6	.6	2.1	1.0		
	200 GORK	6	1029.1	1029.5	.8	160.0	25.0		
	200 GORK	44	1040		140 D		15.0		
	245 SGMR	44	1059 E		656 D				
	100 GORK	41	1142.6	1142.6	.3	30.0			
	100 GORK	41	1146.3	1147	1.5	60.0			
	650 GORK	4	1243.8	1247.1	5.6	29.9	3.3		
	100 GORK	41	1245.5	1246.5	2.8	45.0			
	100 GORK		1245.5	1248		15.0			
	9100 GORK	1	1245.1	1245.2	.3	22.0	11.0		
	606 SGMR	45	1246.7	1247	2.3	17.9	5.6		
	3800 GORK	1	1246.7	1247.6	1.3	5.4	2.6		
	3000 NERA	5	1246.5	1247.6	1.8	10.0	5.0		
	2800 OTTA	1	1246	1247	2	3.4	1.7		
	1470 BERL	1	1246.5	1247.3	2	1.6	0.6		
	600 UCCL	45	1247.2	1247.5	1	13.0	4.0		
	245 SGMR	6	1247	1247.5	1.2	78.0	8.0		
	234 POTS	45	1355.3	1355.6	.3	100.0	15.0		
	9400 HUAN	20	1419.1	1423.7	10.3	1.9	1.4		
	235 TRST	45	1437.4	1437.7	.6	835.0	180.0		
	234 POTS	45	1437.5	1437.6	.2	200.0	30.0		
	9400 HUAN	22	1442.7	1508	48.9	3.7	1.7		
	235 TRST	45	1503.8	1503.9	.2	435.0	140.0		
	235 TRST	41	1539.6	1540.3	.9	200.0			
	235 TRST	45	1554.2	1554.3	.3	190.0	40.0		
	9400 HUAN	22	1716.7	1721.8	15.7	5.6	2.1		
	606 SGMR	1	1728.3	1728.5	.4	1.7	.6		
	9400 HUAN	22	1747.5	1803.9	20.3	7.4	3.1		
	960 PENN	20	1946.8	1948.4	10.4	9.2	3.7		
	606 SGMR	45	1946.5	1948	6.7	9.4	4.4		
	245 SGMR	6	1946.3	1946.9	1.2	225.0	18.2		
	4995 SGMR	3	1946.8	1946.9	4.5	10.9	4.0		
	2800 OTTA	2	1946.8	1947	10	8.8	3.0		
	2700 PENN	20	1946.8	1947.8	13.2	12.9	3.6		
	2695 SGMR	3	1946.7	1947.7	7.8	8.7	3.5		
	1415 SGMR	3	1946.8	1947.6	5.6	11.3	4.1		
	10700 PENN	8	1947.3	1947.4	.1	7.0			
	15400 SGMR	1	1950.3	1951.1	1.5	5.8	2.6		
	8800 SGMR	1	1950.6	1950.8	1.3	1.6	1.1		
	2700 PENN	20	2104.9	2105.6	12.3	11.8	3.9		
	2800 OTTA	45	2105	2105.5	12	9.4	4.0		
	2800 OTTA	45	2105	2105.5	4.2	9.4			
	2800 OTTA	45	2109.2	2110	1.8	7.0			
	2800 OTTA	45	2111	2112	6	6.6			

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

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			UT	UT	MINUTES	PEAK	MEAN		
14	245 SGMR	6	2109.8	2110	2.5	95.0	4.8		
	606 SGMR	1	2112.8	2112.9	.5	3.3	1.1		
	1415 SGMR	1	2112.7	2113	.8	2.2	.8		
	9400 TYKW	45	2332.5	2334.3	5	13.0	5.0		
	3750 TYKW	45	2332.5	2334.3	18	90.0	12.0		
	606 MANI	3	2333.4	2335.1	12.6	14.3	2.2		
	8800 MANI	3	2333.2	2334.3	8.8	11.6	2.3		
	4995 MANI	45	2333.2	2334.3	12.8	54.0	17.0		
	2695 PENT	4	2333	2334.5	5	105.5	35.0		
	2695 MANI	45	2333.1	2334.3	12.9	102.0	30.0		
	2000 TYKW	45	2333	2334.3	15	90.0	16.0		
	1415 MANI	45	2333.1	2334.3	12.9	59.0	15.7		
	1000 TYKW	5	2333	2334.5	10	34.0	10.0		
	2695 PENT	29	2338		10	6.0	3.0		
14	3750 TYKW	5	0351	0352.2	3	2.0	1.0		
	2695 MANI	1	0351.2	0352.2	3.6	4.6	1.5		
	2000 TYKW	5	0351	0352	5	6.0	2.0		
	1415 MANI	1	0351.2	0352.2	3.6	6.1	2.0		
	1000 TYKW	5	0351	0352.2	4	2.0	1.0		
	2695 MANI	1	0356.6	0356.7	.5	3.1	1.5		
	1415 MANI	1	0356.6	0356.7	.5	2.0	1.0		
	650 GORK	20	0530 U	0547.4	36	9.3	3.6		
	100 KODA	5	0540		17	35.0D			
	9400 TYKW	5	0540	0554	70	6.0	3.0		
	3750 TYKW	5	0540	0554	60	6.0	3.0		
	2695 MANI	22	0540.3	0551.4	48.2	9.2	1.5		
	2000 TYKW	5	0540	0551.5	60	7.0	2.0		
	1415 MANI	22	0540.3	0551.4	17.5	8.1	2.0		
	111 POTS	45	0541 U	0542 U	11	3600.0	220.0		
	100 HIRA	45	0541		16	210.0D	210.0D		
	100 GORK	48	0541.2	0542.4	14.8	500000.0			
	950 GORK	20	0548.9	0551.5	8.1	3.0	1.7		
	1000 TYKW	5	0549	0552	7	2.0	1.0		
	200 GORK	41	0608.3	0608.5	1.7	275.0			
	200 GORK		0608.3	0610		315.0			
	100 GORK	6	0750.4	0751	1.1	50.0			
	930 BORD	5	0922	0924	7	9.0			
	650 GORK	1	0922.8	0925.5	5.7	4.0	3.0		
	100 GORK	6	0922.9	0923.1	2.7	45.0	1.4		
	1470 BERL	3	0922.3	0923.5	7.7	6.1	2.6		
	950 GORK	20	0923	0924.3	4.9	8.5	4.0		
	100 GORK	41	0928.3	0930.7	7	3000.0			
	100 GORK		0928.3	0934.3		410.0			
	111 POTS	45	0929.9	0930	1.5	200.0	14.0		
	1420 KIEL	5	0935	0936	7	50.0	20.0		
	100 GORK	6	1026.5	1027.2	1.1	35.0			
	950 GORK	3	1034.9	1036.1	3.8	21.9	9.3		
	100 GORK	6	1034.2	1035.8	2.6	50000.0			
	3100 CRIM	3	1034	1035	6	24.0	8.0		
	1470 BERL	3	1034	1035.7	81	28.0	11.0		
	930 BORD	5	1035	1036	8	19.0	5.0		
	808 ONDR	45	1035.5	1035.5	4.5				
	650 GORK	1	1035.5	1036	14.5	7.5	3.6		
	536 ONDR	5	1035.5	1035.5	2	75.0			
	225 HARS	5	1035	1035.5	3	45.0	15.0		
	111 POTS	45	1035.3	1035.9	1.1	1600.0	270.0		
	3800 GORK	3	1035.5	1036	2.4	9.9	3.1		
	3000 NERA	5	1035	1035.9	4	33.0	12.0		
	2800 SLOU	3	1035.4	1036	3.5	21.0			
	260 ONDR	5	1036	1036	1	40.0			
	9500 BERL	1	1036 E	1036		5.9			
	100 GORK	6	1044.5	1046	2.3	40.0			
	100 GORK	6	1058	1058.2	.7	15.0			
	960 PENN	20	1838	1847.8	22.7	5.6	1.2		
	2700 PENN	20	1840	1855	20.7	3.4	1.5		
	245 SGMR	6	1845.2	1847	5.3	57.0	5.6		
	18 MCMA	6	1846	1847	2			1	
	18 BOUL	6	1846	1847	2			1	
	606 SGMR	1	1847.2	1847.5	5.8	2.0	1.0		
	2800 OTTA	1	1847	1847.8	1.5	2.2	1.1		
	1415 SGMR	1	1847	1847.6	6.5	1.3	.7		
15	3750 TYKW	5	0300	0330	120	4.0	2.0		
	2000 TYKW	5	0300	0330	120	3.0	1.0		
	2000 TYKW	5	0322.5	0323	1.5	2.0	1.0		
	1000 TYKW	5	0322.5	0323	1.5	4.0	1.0		
	100 GORK	44	0506 E	0530.2	63 D		5.0		
	100 GORK	6	0530	0530.2	.3	37.0	17.0		
	100 GORK	6	0546.5	0547.2	.9	13.0			
	100 GORK	6	0641.7	0641.9	.5	12.0	6.0		
	260 ONDR	41	1032.5	1046	105	30.0			
	18 BOUL	41	1906	1913	8			1	
16	18 MCMA	41	1910	1912	3			1	
	100 GORK	41	0746	0746.1	.7	20.0			
	100 GORK		0747	0746.5		10.0			
	606 SGMR	22	1154.4	1213.6	53.6	24.4	12.2		
	9400 HUAN	20	1902.7	1907.5	15.5	1.8	1.5		
	2695 PENT	22	2222	2233	35	4.0	2.0		

50
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
17	208 VORO	5	0246.5	0247.7	1.5	132.0	16.0		
	650 GORK	1	0518	0518	.2	1.2	0.6		
	200 GORK	6	0518	0518.1	.2	940.0D			
	100 GORK	6	0518	0518	.2	80.0			
	3100 CRIM	45	0750	0754	11	4.0	2.0		
	3100 CRIM		0750	0755		5.0			
	100 GORK	41	0846.4	0847.8	2.2	5000.0			
	111 POTS	45	0847.8	0847.9	.7	800.0	130.0		
	23 POTS	45	0847.6	0847.8	.8	12000.0	2500.0		
	100 GORK	6	0929	0929.3	.7	30.0			
	235 TRST	41	0943.3	0944	1	65.0			
	3100 CRIM	3	1045	1047	7	16.0	5.0		
	950 GORK	45	1046.3	1047	4.6	7.0			
	950 GORK		1046.3	1048.2		8.6			
	930 BORD	45	1046	1048	3	11.0	3.0		
	650 GORK	45	1046.1	1047.1	5.1	7.2			
	650 GORK		1046.1	1048.2		6.0			
	3000 NERA	45	1046.2	1048.2	5	42.0	10.0		
	2800 SLOU	45	1046.3	1048.3	4	25.0			
	600 UCCL	45	1047	1047.8	2.8	14.0	8.0		
	100 GORK	6	1047.1	1047.2	.4	30.0			
	9500 BERL	1	1048	1048		3.5			
	1470 BERL	1	1048	1048		4.7			
	600 UCCL	40	1158	1158.4	.6	112.0D			
	260 ONDR	45	1210	1211	1.5	65.0			
	235 TRST	45	1210	1210.8	1.2	120.0	40.0		
	204 KIEV	6	1210	1210.8	1.3	60.0D			
	200 NERA	45	1210.2	1210.9	1	170.0	100.0		
	111 POTS	45	1210.8	1210.8	.2	100.0	20.0		
	100 GORK	48	1210	1210.9	1.7	80.0D			
	9400 HUAN	20	1517.7	1521.5	8	3.7	1.9		
18	100 GORK	6	0631.9	0632	.4	47.0D			
	100 GORK	6	0634.4	0634.5	.3	45.0			
	200 GORK	6	0737.3	0737.3	.1	3.5	1.7		
	111 POTS	5	0737.2	0737.3	.1	100.0	30.0		
	100 GORK	6	0737.2	0737.3	.1	50.0D			
	600 UCCL	5	0855	0855.2	.5	110.0	50.0		
	100 GORK	41	0915.6	0916.6	1.8	12.0			
	100 GORK		0915.6	0917.3		7.0			
	200 GORK	6	0916	0916.1	.1	10.0	5.0		
	650 GORK	40	0924.8	0925	.9	6.2			
	650 GORK	1	0933.2	0933.4	.3	3.7			
	9100 GORK	1	1039.7	1040	.5	8.0	4.0		
	930 BORD	5	1228	1228.8	1	20.0	1.0		
	600 UCCL	5	1235	1235.3	.4	35.0	15.0		
	9400 HUAN	1	1250.3	1250.7	.9	5.6	2.5		
	9400 HUAN	22	1514.3	1543.2	39.6	5.6	3.7		
	9400 HUAN	20	1601.3	1617	21.5	3.7	2.6		
	9400 HUAN	20	1800.4	1813.3	16	5.6	3.0		
19	4995 MANI	2	0002.1	0002.7	1.6	10.1	3.4		
	2695 MANI	1	0002.5	0002.7	.6	4.4	1.5		
	2000 TYKW	5	0002	0002.8	3	2.0	1.0		
	1415 MANI	1	0002.6	0003	.6	2.1	.5		
	200 GORK	6	0654.9	0655.1	.5	60.0	25.0		
	950 GORK	3	0705.9	0706	.3	9.4	3.1		
	650 GORK	3	0706	0706	.1	15.4	7.7		
	950 GORK	4	0729.5	0729.7	.4	25.5	8.0		
	9500 BERL	1	0757.5	0757.8	1.6	7.5	2.4		
	9100 GORK	1	0757.2	0750.8	3.4	12.0	3.7		
	650 GORK	41	0810	0811.2	5.4	65.0D			
	950 GORK	3	0811.1	0811.2	.2	14.3	7.0		
	650 GORK	3	0844.2	0844.3	.3	10.8	5.4		
	950 GORK	1	0851.6	0851.6	.3	1.6			
	650 GORK	3	0851.4	0851.6	.5	46.0	20.0		
	650 GORK	1	0908.7	0908.8	.2	4.1	2.0		
	650 GORK	3	0954	0954.1	.2	8.7			
	9500 BERL	1	0957.7E	0957.7		7.5			
	9100 GORK	1	0957.6	0957.8	1.4	9.0	2.4		
	1470 BERL	1	0957.7E	0957.7		8.7			
	950 GORK	41	1007	1007	1.3	2.5			
	950 GORK		1007	1007.8		15.0			
	930 BORD	45	1007	1008	2	113.0	2.0		
	650 GORK	41	1007	1007.1	5	67.0			
	650 GORK		1007	1008		70.0			
	1470 BERL	1	1007.3	1007.7	5	3.6	1.7		
	9500 BERL	1	1008	1008		3.6			
	930 BORD	5	1010	1010.8	1	20.0	1.0		
	930 BORD	5	1014	1014.7	1	11.0	1.0		
	650 GORK	3	1032.2	1032.2	.2	7.5			
	650 GORK	41	1047.7	1059.2	14	49.0			
	650 GORK		1047.7	1047.8		13.6			
	650 GORK		1047.7	1052.5		13.2			
	650 GORK	41	1123.5	1123.5	.6	30.0			
	950 GORK	1	1125.3	1125.5	.3	1.6			
	930 BORD	45	1133	1133.2	1	129.0	2.0		
	1470 BERL	1	1213	1213.3	3	2.6	1.4		
	930 BORD	45	1229	1230	2	129.0	3.0		
	930 BORD	40	1238	1239	2	43.0	2.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
19	930 BORD	40	1251	1251.4	2	140.0	2.0		
	930 BORD	45	1314	1315	2	410.0	4.0		
	930 BORD	45	1327	1327.2	1	410.0	2.0		
	930 BORD	5	1346	1346.8	1	12.0	1.0		
	9400 HUAN	1	1353.2	1354.2	3.4	7.5	3.5		
	7000 SAOP	8	1353.7	1354	.9	16.4	8.2		
	10700 PENN	1	1354	1354.3	2.1	7.7	1.8		
	960 PENN	1	1354	1354.3	6	1.5	0.4		
	600 UCCL	5	1354	1354.6	1	47.0	20.0		
	9500 BERL	1	1354 E	1354		4.5			
	2700 PENN	1	1354	1354.2	4	2.8	1.4		
	1470 BERL	1	1354 E	1354		2.7			
	930 BORD	40	1407	1407.5	3	51.0	2.0		
	9400 HUAN	3	1436.7	1437.2	1.4	11.2	5.2		
	10700 PENN	1	1437	1437.5	1.4	9.9	2.1		
	4995 SGMR	3	1437.1	1437.4	2	14.9	6.8		
	3000 NERA	5	1437.1	1437.4	2	11.0	6.0		
	2800 OTTA	1	1437	1437.3	4	4.8	2.0		
	2700 PENN	1	1437.2	1437.5	5.2	7.8	1.6		
	2695 SGMR	1	1437.1	1437.3	2.9	4.2	2.1		
	1415 SGMR	1	1437	1437.5	2.1	2.0	1.0		
	930 BORD	5	1439	1439.2	1	16.0	1.0		
	930 BORD	5	1500	1500	1	98.0	1.0		
	10700 PENN	24	1509	1815		16.6			
	2700 PENN	24	1510.6	1842		14.4			
	2800 OTTA	21	1515	1550	60	4.2	2.1		
	9400 HUAN	21	1538.2	1558.8	34.3	7.5	5.0		
	930 BORD	40	1604	1604.3	2	109.0	3.0		
	606 SGMR	8	1604.1	1604.3	.5	110.0	55.0		
	9400 HUAN	3	1604.1	1604.4	.6	13.1	7.5		
	8800 SGMR	3	1604.3	1604.4	1.9	15.4	6.2		
	7000 SAOP	3	1604	1604.2	1	18.1	8.3		
	4995 SGMR	3	1604.2	1604.3	2.5	23.6	9.3		
	2800 OTTA	1	1604	1604.2	3	6.4	2.0		
	2695 SGMR	1	1604.2	1604.3	1.7	7.0	2.8		
	1415 SGMR	1	1604.2	1604.3	1.9	2.0	1.0		
	7000 SAOP	29	1605		1.4				
	10700 PENN	3	1627.3	1636.3	11.1	49.4	9.9		
	9400 HUAN	46	1630	1636.4	10.5	43.0	12.2		
	960 PENN	41	1631	1633.2	3	79.1			
	7000 SAOP	41	1631.6	1636.4	22.1	54.4			
	7000 SAOP	4	1631.6	1633.6	3.4	30.8	16.3		
	15400 SGMR	45	1632.6	1636.4	7.4	21.5	10.2		
	930 BORD	40	1632	1632.6	2	30.0	1.0		
	606 SGMR	45	1632.7	1635.5	8.6	19.6	7.3		
	8800 SGMR	45	1632.8	1636.4	10.3	42.4	20.2		
	4995 SGMR	45	1632.1	1636.4	10.2	91.0	37.7		
	2800 OTTA	45	1632	1636.2	10	40.0	10.0		
	2800 OTTA	45	1632	1634	3	8.8			
	2800 OTTA	45	1635	1636.2	7	40.0			
	2700 PENN	3	1632.4	1636.4	11.2	51.4	10.4		
	2695 SGMR	45	1632.6	1636.4	11	30.9	15.2		
	1415 SGMR	45	1632.7	1635.4	10.7	150.0	30.0		
	960 PENN	45	1635.3	1635.4	3.7	59.4	6.9		
	930 BORD	45	1635	1635.5	3	86.0	3.0		
	7000 SAOP	46	1635	1636.4	3.3	54.4	27.2		
	7000 SAOP	29	1638.3		15.4				
	960 PENN	29	1639	1639	15.6	2.9	1.4		
	9400 HUAN	23	1709.7	1812.1	93.1	11.2	5.8		
	8800 SGMR	3	1717.7	1722.4	6.3	13.8	6.7		
	10700 PENN	3	1718.9	1722.1	6.1	21.2	10.0		
	4995 SGMR	3	1718.5	1722	5.1	8.2	4.1		
	15400 SGMR	3	1719.9	1722	11	18.0	8.0		
	9400 HUAN	3	1719.3	1721.7	5.3	18.7	6.2		
	7000 SAOP	41	1719.3	1721.9	5	14.5			
	7000 SAOP	2	1719.3	1720	1.8	9.1	4.5		
	7000 SAOP	3	1721.1	1721.9	1.5	14.5	7.2		
	2695 SGMR	1	1721.7	1723.3	4.4	2.5	1.3		
	7000 SAOP	29	1722.6		1.7				
	7000 SAOP	28	1727.3		1.8				
	10700 PENN	3	1729	1730	11.6	48.8	4.4		
	960 PENN	45	1729.2	1730	2.8	30.5	5.5		
	9400 HUAN	4	1729	1730	1.6	63.6	28.1		
	8800 SGMR	3	1729.4	1730	3.6	80.0	34.0		
	7000 SAOP	3	1729.1	1730	1.2	76.2	37.7		
	4995 SGMR	3	1729.2	1730	10.5	150.0	49.3		
	2800 OTTA	3	1729	1730	11	60.0	10.0		
	2700 PENN	3	1729.2	1730.1	10.8	78.1	12.8		
	2695 SGMR	3	1729.2	1730	4.8	47.0	23.0		
	1415 SGMR	22	1729	1730.1	9.1	18.6	9.3		
	9400 HUAN	29	1730.6	1730.6	7	9.4	3.2		
	7000 SAOP	29	1730.3		4.6				
	2700 PENN	1	1750.1	1750.3	2.4	2.0	1.0		
	2800 OTTA	20	1800	1830	60	2.6	1.3		
	2700 PENN	1	1814.9	1815.1	1.6	3.1	1.6		
	960 PENN	41	1816.6	1818.4	2.2	56.6			
	960 PENN	41	1936.4	1938.3	9	87.8			
	2800 OTTA	1	1938.8	1938.4	1	4.0	2.0		
	2700 PENN	1	1938.1	1938.5	2.4	5.1	1.7		
	9400 HUAN	23	1955.2	2037.4	92.1	15.0	9.1		

52
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
20	2800 OTTA	21	1958	2000	15	2.2	1.1		
	4995 SGMR	4	2004	2004.1	5	13.6	6.8		
	2800 OTTA	1	2004	2004.1	1	3.8	1.9		
	2695 SGMR	2	2004	2004.1	1.6	4.3	2.2		
	10700 PENN	3	2015.2	2016.6	4.8	16.9	3.9		
	960 PENN	8	2015.9	2016	.3	107.0			
	9400 HUAN	1	2015.2	2016.6	2.3	9.4	4.1		
	10700 PENN	1	2034.6	2035.2	3.9	8.4	2.1		
	9400 HUAN	1	2034.3	2035.2	1.6	9.4	5.0		
	10700 PENN	3	2105	2105.7	3.8	40.0	9.0		
	960 PENN	8	2105.2	2105.3	.4	170.0			
	606 SGMR	8	2105.3	2105.4	1.7	95.0	16.0		
	9400 HUAN	3	2105	2105.6	1.5	24.3	8.7		
	8800 SGMR	3	2105.5	2105.8	3.1	11.0	4.2		
	4995 SGMR	3	2105.4	2105.7	3.1	9.9	3.7		
	2800 OTTA	3	2105.5	2105.9	3.5	15.0	4.0		
	2700 PENN	3	2105.4	2105.8	6.6	20.0	5.0		
	2695 SGMR	1	2105.5	2105.8	3.1	5.3	2.2		
	1415 SGMR	1	2105.3	2105.8	6.8	3.8	1.4		
	9400 HUAN	1	2133.2	2134.5	3.7	5.6	3.2		
	9400 HUAN	8	2208.2	2208.5	.8	29.9	10.0		
	2000 TYKW	5	2327	2327.3	1	3.0	1.0		
	2695 PENT	4	2328	2328.3	1	17.0	4.5		
	606 MANI	4	0013.3	0013.5	.4	38.5	12.1		
	8800 MANI	3	0013.5	0013.8	.5	7.6	2.5		
	4995 MANI	3	0013.5	0013.8	1.1	16.7	6.7		
	2695 MANI	3	0013.4	0013.7	1.1	14.0	5.6		
	2000 TYKW	45	0013	0013.6	8	8.0	2.0		
	8800 MANI	3	0031.8	0032	1.2	7.6	2.5		
	4995 MANI	3	0031.8	0032	1.2	11.7	5.0		
	3750 TYKW	45	0031.5	0035.8	13	22.0	4.0		
	2695 MANI	2	0031.8	0032	1.2	2.8	1.4		
	2000 TYKW	45	0031	0035.8	15	14.0	3.0		
	606 MANI	3	0035.7	0035.8	.2	8.8	4.4		
	8800 MANI	3	0035.3	0035.8	1.7	10.1	5.1		
	4995 MANI	3	0035.3	0035.8	2.7	23.4	10.0		
	2695 MANI	3	0035.3	0035.8	2.7	18.2	8.4		
	1000 TYKW	45	0035	0035.2	1	21.0	5.0		
	9400 TYKW	5	0147	0148	4	16.0	5.0		
	3750 TYKW	5	0147	0148	4	4.0	1.0		
	606 MANI	41	0245	0252	35	220.0	55.0		
	9400 TYKW	5	0300	0425	140	22.0	10.0		
	9400 TYKW	45	0300	0301.3	15	65.0	15.0		
	8800 MANI	4	0300.6	0301.5	9.4	71.0	25.3		
	4995 MANI	4	0300.6	0301.5	9.4	50.0	25.0		
	3750 TYKW	5	0300	0425	190	16.0	8.0		
	3750 TYKW	45	0300	0301.6	17	26.0	10.0		
	2695 MANI	4	0300.6	0307.8	9.4	16.8	7.0		
	2000 TYKW	5	0300	0425	140	12.0	6.0		
	2000 TYKW	45	0300	0308	14	8.0	3.0		
	1415 MANI	4	0306	0307.8	14	5.4	1.1		
	8800 MANI	29	0310	0310	110	22.8	5.1		
	4995 MANI	29	0310	0310	108	15.0	3.3		
	2695 MANI	29	0310	0310	102	7.0	1.4		
	1000 TYKW	5	0310	0425	140	6.0	3.0		
	9400 TYKW	45	0321	0324.3	15	22.0	7.0		
	3750 TYKW	5	0321	0323.9	15	6.0	2.0		
	221 ABST		0600	0712	180				
	204 KIEV	44	0700	E	420	17.0	7.0		
	930 BORD	5	0825	0826	1	10.0	1.0		
	9500 BERL	3	1049.5	1050.2	2	34.0	15.0		
	9400 SLOU	3	1049.4	1050.3	2	70.0			
	9100 GORK	3	1049.9	1050.5	1.1	52.0	23.0		
	9100 GORK	29	1051	1051	3.2	14.6	4.4		
	9400 HUAN	3	1129.8	1131.3	4.9	18.6	7.4		
	9100 GORK	1	1130.1	1132.1	3.4	22.0	4.8		
	9500 BERL	1	1131	1131.4	1.2	8.7	2.8		
	9400 SLOU	3	1131	1131.4	1.2	20.5			
	930 BORD	45	1134	1134.8	2	111.0	2.0		
	650 GORK	1	1134.9	1135.4	1.1	1.0			
	950 GORK	3	1135	1135	.7	32.0	14.0		
	9400 HUAN	1	1152.6	1153	.9	3.7	2.8		
	9400 HUAN	22	1202.4	1204	11.9	7.4	3.3		
	260 ONDR	45	1206.5	1210	3.5	40.0			
	9400 HUAN	20	1233.3	1245.3	27.2	5.6	2.2		
	9400 HUAN	20	1320	1345.5	51.4	5.6	2.2		
	600 UCCL	27	1331	1334	7	3.0			
	930 BORD	5	1345	1345.3	1	8.0	1.0		
	7000 SAOP	21	1420	1427.9	19.8	13.4			
	7000 SAOP	20	1420		19.8	11.1			
	2800 OTTA	20	1420	1427	80	5.4	2.4		
	9400 HUAN	22	1421.1	1500.1	53.9	9.3	4.2		
	7000 SAOP	3	1425.3	1427.9	1	13.4	6.7		
	9400 HUAN	22	1521.7	1522.3	10.4	3.7	1.9		
	9400 HUAN	22	1541.7	1542.3	7.1	5.6	3.1		
	9400 HUAN	1	1600	1600.4	.7	7.4	3.7		
	9400 HUAN	20	1637.3	1648.6	26	3.7	2.8		
	9400 HUAN	3	1737.1	1737.5	3.1	11.1	6.8		
	7000 SAOP	3	1737.9	1738.2	1	11.1	5.8		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
21	2800 OTTA	1	1737	1737.8	2	2.6	1.3		
	7000 SAOP	29	1738.9		3.2				
	9400 HUAN	20	1745.5	1746.2	2.5	7.4	3.0		
	2800 OTTA	1	1745.8	1746.2	6	5.2	2.6		
	7000 SAOP	1	1746.6	1750	1.5	8.0	4.0		
	9400 HUAN	20	1754	1757.3	22.3	11.1	4.4		
	9400 HUAN	20	1820	1821	5.6	3.7	1.9		
	9400 HUAN	22	1830.7	1842.4	44.1	9.3	3.1		
	9400 HUAN	20	2042.1	2044	18.5	5.6	2.4		
	9400 HUAN	1	2136	2136.6	1.2	5.6	3.7		
	3750 TYKW	5	2247	2325	180	14.0	6.0		
	2695 PENT	24	2250		20	5.6			
	9400 TYKW	5	2300	2335	160	18.0	9.0		
	2000 TYKW	5	2300	2325	120	4.0	2.0		
	8800 MANI	3	0205	0205.4	2.2	18.0	9.0		
	4995 MANI	3	0205	0205.4	2.2	16.5	8.3		
	3750 TYKW	5	0205	0205.3	2	6.0	2.0		
	2695 MANI	1	0205	0205.4	2.2	4.4	2.2		
	2000 TYKW	5	0205	0205.3	1	2.0	1.0		
	3750 TYKW	5	0340	0430	130	4.0	2.0		
	100 GORK	6	0549	0549.1	.3	15.0	7.0		
	260 ONDR	44	0700	1016.5	480	65.0			
	200 GORK	6	0752.4	0752.6	.5	27.0			
	100 GORK	6	0752.8	0753	.2	15.0	7.0		
	950 GORK	41	0757.7	0757.7	.1	12.4	6.0		
	100 GORK	41	0758.7	0759.1	.5	25.0			
	950 GORK	4	0824.3	0824.7	1.1	75.0	16.0		
	930 BORD	45	0824	0824.8	1	313.0	3.0		
	9500 BERL	3	0824.5	0824.7	1	14.0	3.4		
	9400 SLOU	3	0824	0824.8	1	22.0			
	4995 MANI	3	0824.3	0824.8	2.7	16.7	8.4		
	3100 CRIM	3	0824	0825	3	36.0	12.0		
	2800 SLOU	3	0824.4	0824.8	2.4	18.0			
	2695 MANI	3	0824.3	0824.8	2.7	12.1	4.5		
	1470 BERL	1	0825.5E	0825.5		1.9			
	9100 GORK	1	0826.5	0826.8	2.3	15.0	3.7		
	3000 NERA	5	0829.3	0829.8	1.7	28.0	13.0		
	950 GORK	41	0900.1	0900.3	.4	20.0	13.0		
	650 GORK	1	0900.1	0900.3	.5	2.5	1.2		
	200 GORK	6	0900	0900.3	.7	170.0	60.0		
	111 POTS	45	0900.2	0900.4	.4	1600.0	300.0		
	100 GORK	6	0900.2	0900.5U	1	960.0			
	930 BORD	5	0940	0940.2	1	9.0	1.0		
	204 KIEV	41	1050.9	1052.5	3.3	24.0			
	9500 BERL	1	1109.7	1110.4	1.3	4.5	3.1		
	9500 BERL	2	1133.5	1134.4	3	9.0	4.8		
	930 BORD	45	1134	1134.3	1	17.0	2.0		
	9400 HUAN	1	1206.3	1207.6	2.4	9.3	3.3		
	600 UCCL	5	1211.5		.5	85.0	40.0		
	9400 HUAN	3	1211.6	1212.4	2.4	11.1	4.8		
	9500 BERL	1	1212	1212.7	7	9.0	4.5		
	9400 HUAN	1	1215.5	1216.8	2	5.6	2.3		
	650 GORK	1	1251.8	1252.6	1.7	3.0	1.5		
	950 GORK	41	1252.1	1252.2	1.2	9.3	4.5		
	950 GORK		1252.1	1252.7		8.4			
	2800 OTTA	20	1305	1315	40	2.8	1.4		
	9400 HUAN	20	1331	1334.3	18	5.6	3.9		
	2800 OTTA	1	1347	1348.5	3.5	2.0	1.0		
	9400 HUAN	20	1356.2	1411	22.1	7.4	3.5		
	9400 HUAN	20	1427.2	1430.5	10.1	3.7	1.4		
	245 SGMR	43	1439.8	1739.5	417.2D	255.0			
	606 SGMR	1	1441.8	1442.7	1.3	1.6	.5		
	9400 HUAN	22	1450	1455.5	15	5.6	2.8		
	930 BORD	45	1453	1453.3	2	16.0	2.0		
	606 SGMR	45	1453.5	1454.3	1.3	34.4	10.6		
	245 SGMR	6	1453.6	1454.4	1.2	33.6	4.0		
	111 POTS	45	1453.9	1454	.5	175.0	20.0		
	600 UCCL	45	1454		.7	35.0	15.0		
	9400 HUAN	20	1517.5	1518	3.7	3.7	2.5		
	18 MCMA	41	1519	1521	6			1	
	9400 HUAN	20	1610	1614.8	9.1	3.7	2.7		
	9400 HUAN	23	1657.1	1755.3	72.6	18.6	7.3		
	606 SGMR	1	1705.2	1706.8	3.8	4.2	1.6		
	9400 HUAN	1	1715.1	1715.3	.5	7.4	4.6		
	10700 PENN	40	1717		21				
	960 PENN	40	1717		21				
	9400 HUAN	1	1725.3	1725.8	1.4	9.7	3.7		
	2800 OTTA	20	1730	1755	210	6.4	3.6		
	9400 HUAN	20	1814.5	1821.3	10	5.6	3.3		
	245 SGMR	6	1857.9	1858.3	.8	62.5	3.2		
	606 SGMR	1	1858.3	1858.4	.2	1.1	.5		
	606 SGMR	20	1950.6	1951.7	14.4	3.2	1.1		
22	8800 MANI	3	0031.9	0032.8	2.9	22.6	10.0		
	3750 TYKW	5	0223	0224	15	2.0	1.0		
	3750 TYKW	5	0253	0320	60	3.0	1.0		
	3750 TYKW	5	0423	0425	7	2.0	1.0		
	2000 TYKW	5	0423	0425	5	3.0	1.0		
	200 GORK	44	0500 E		280		5.0		

54
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
22	650 GORK	1	0534.6	0534.8	.7	4.0	1.8		
	950 GORK	1	0540.6	0540.8	.7	7.2	2.9		
	9400 TYKW	5	0540.5	0540.8	1	15.0	3.0		
	9100 GORK	1	0540.6	0540.8	.6	9.9	3.2		
	3750 TYKW	45	0540.5	0540.8	3	13.0	2.0		
	2000 TYKW	45	0540.5	0540.8	3	3.0	1.0		
	1000 TYKW	5	0540.5	0540.8	1	6.0	2.0		
	3800 GORK	3	0541	0541.1	.5	9.1	4.5		
	221 ABST		0600	0700	180				
	100 GORK	6	0604.4	0605	1.2	25.0	5.0		
	204 KIEV	44	0700 E		420	26.0	7.0		
	9500 NERA	24	0734	0803	41				
	3000 NERA	24	0734	0742.5	52	90.0			
	100 GORK	6	0934.2	0934.4	.3	45.0	13.0		
	100 GORK	6	0951.7	0952	.5	90.0	24.0		
	950 GORK	1	0958.4	0958.5	.2	3.1	1.5		
	650 GORK	1	0958.4	0958.5	.5	1.4	0.7		
	3100 CRIM	20	1025	1056	83	23.0	7.0		
	9400 SLOU	20	1040	1055	30	19.0			
	3000 NERA	27	1040	1054.5	63	27.0	14.0		
	2800 SLOU	20	1042	1055	32	9.0			
	200 NERA	40	1123.3	1128.9	6.5	375.0			
	650 GORK	1	1142.2	1142.3	.4	2.3	1.0		
	650 GORK	1	1142.8	1143.8	1.3	2.3			
	950 GORK	2	1143.3	1143.9	.8	4.7			
	235 TRST	41	1209.5	1209.9	.9	615.0			
	234 POTS	45	1214.6	1214.9	.7	100.0	20.0		
	111 POTS	45	1214.6	1214.8	.7	400.0	60.0		
	200 NERA	40	1215	1224.4	10	400.0			
	7000 SAOP	8	1230.5	1230.8	.9	12.6	6.3		
	3100 CRIM	3	1231	1232	10	112.0	35.0		
	9100 GORK	23	1232.2	1235.8	7.9	26.0	8.2		
	1470 BERL	4	1232.3	1233	2.2	21.0	1.7		
	19000 SLOU	3	1233	1233.8	1.5	26.0			
	15400 SGMR	4	1233.2	1233.7	4.2U	30.7U	6.0U		
	10700 PENN	3	1233.1	1233.7	4.8	76.0	16.0		
	9500 NERA	5	1233.1	1233.6	1.9				
	9500 BERL	3	1233	1233.7	17	90.0	13.0		
	9400 SLOU	3	1233.1	1233.6	5	141.0			
	9400 HUAN	3	1233	1233.6	1.2	105.6	54.7		
	9400 ONDR	45	1233	1233.5	3				
	9100 GORK	3	1233.2	1233.6	1.5	100.0	40.0		
	8800 SGMR	4	1233.2	1233.7	4.2	110.0	20.0		
	4995 SGMR	4	1233.1	1233.7	5.6	310.0	64.0		
	3800 GORK	3	1233	1233.7	2.2	68.0D			
	3000 NERA	5	1233	1233.7	2	88.0	45.0		
	2800 SLOU	3	1233.1	1233.7	4.5	53.0			
	2800 OTTA	3	1233	1233.9	5	48.0	12.0		
	2700 PENN	3	1233.2	1233.7	4.7	45.0	10.0		
	2695 SGMR	4	1233.2	1233.7	8.4	34.8	7.0		
	9400 HUAN	29	1234.2	1234.2	23.8	36.5	10.8		
	9500 NERA	29	1235		7				
	3000 NERA	29	1235		5	11.0	5.0		
	235 TRST	41	1303.9	1305.3	1.5	270.0			
	200 NERA	45	1429.2	1431.2	2.4	550.0	300.0		
	2800 OTTA	20	1430	1440	30	6.2	2.8		
	9400 HUAN	22	1433.7	1438.7	25.3	7.7	3.8		
	3000 NERA	5	1435	1439	15	11.0	5.0		
	245 SGMR	6	1439.9	1440.2	.6	53.2	2.6		
	9400 HUAN	20	1504.2	1507.2	12.5	3.8	2.8		
	9400 HUAN	20	1523.8	1526	7.2	1.9	1.2		
	9400 HUAN	20	1635.8	1640.7	54.2	7.7	4.0		
	606 SGMR	23	1650.5	1707.2	19.5	5.5	1.4		
	606 SGMR	8	1653.7	1654	.6	34.5	11.5		
	606 SGMR	1	1722.9	1723.1	.6	2.8	.9		
	2800 OTTA	24	1755		10	3.6			
	9400 HUAN	20	1804.5	1806.6	6.5	5.8	3.5		
	606 SGMR	1	1911.2	1911.3	.2	2.3	.9		
	8800 SGMR	3	1950.3	1950.7	.9	9.0	3.0		
	4995 SGMR	3	1950.3	1950.7	.5	8.2	2.7		
	2695 SGMR	1	1950.3	1950.7	.6	5.2	1.5		
	9400 HUAN	21	2003.5	2013.8	19.7	3.8	3.3		
	10700 PENN	3	2020.1	2020.5	.8	13.7	5.3		
	9400 HUAN	3	2020	2020.4	.8	15.4	6.4		
	2800 OTTA	2	2020.2	2020.5	.5	3.4	1.7		
	2700 PENN	1	2020.1	2020.6	.9	4.7	3.4		
	2695 PENT	21	2225	2245	60	6.0	3.0		
	3750 TYKW	5	2227	2240	60	15.0	4.0		
	2000 TYKW	5	2233	2240	30	3.0	1.0		
	9400 TYKW	5	2238	2240	25	11.0	4.0		
	2695 PENT	1	2239	2240	3	3.6	1.8		
	8800 MANI	4	2346.7	2349.2	4.3	51.0	25.5		
	4995 MANI	3	2346.7	2349.2	4.3	30.8	10.3		
	3750 TYKW	5	2347	2349	35	8.0	3.0		
	606 MANI	1	2348.5	2349.4	2.5	2.8	.9		
	2695 MANI	1	2348.5	2349.3	2.5	5.7	2.9		
	1415 MANI	1	2348.5	2349.3	3.6	5.1	2.0		
23	9400 TYKW	5	0035	0040	25	7.0	3.0		
	3750 TYKW	5	0035	0036.5	20	4.0	1.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
23	200 GORK	41	0457.9E	0459.6	2.1D	35.0			
	100 GORK	44	0458 E		64 D		10.0		
	200 GORK	44	0535.3	0536.5	1.2	60.0			
	100 GORK	41	0535.1	0535.8	1.8	80.0D			
	100 GORK	41	0544.4	0545.2	2.8	60.0			
	200 GORK	6	0545.3	0545.5	.5	20.0	7.0		
	200 GORK	6	0551.2	0551.6	.8	15.0	6.0		
	100 GORK	6	0551.1	0552.6	2.1	80.0			
	221 ABST		0600	0728	180				
	204 KIEV	44	0700 E		420 U	60.0	9.0		
	260 ONDR	44	0710		480	125.0D			
	100 GORK	6	0728.1	0728.2	.2	30.0	10.0		
	200 GORK	6	0729.5	0729.6	.2	20.0	7.0		
	650 GORK	1	0735.5	0736	.8	1.3			
	100 GORK	6	0735.2	0735.3	.2	95.0	20.0		
	234 POTS	40	0754.6	0800.6	6.2	250.0	2.0		
	200 GORK	6	0754.5	0754.7	.4	10.0	3.0		
	100 GORK	6	0754.5	0754.7	.4	15.0	10.0		
	9500 BERL	1	0812.6E	0812.6		6.0			
	9100 GORK	1	0812.3	0812.7	1.4	7.4	2.4		
	650 GORK	41	0917	0918	4.1	1.9			
	650 GORK		0917	0920.5		1.7			
	200 GORK	6	0917.8	0917.9	.3	120.0	40.0		
	100 GORK	6	0917.8	0918.1	.5	75.0	40.0		
	100 GORK	44	0942.3		137.7		5.0		
	100 GORK	41	1012	1014.8	.4	50.0			
	245 SGMR	44	1111 E		624 D				
	235 TRST	45	1112.3	1112.4	.3	900.0	250.0		
	234 POTS	45	1112.4	1112.5	.1	200.0	40.0		
	240 KIEL	44	1113 E	1113		220.0	15.0		
	600 UCCL	45	1131.5		.8	27.0	10.0		
	235 TRST	45	1133.2	1133.3	.1	2025.0	600.0		
	234 POTS	45	1133.3	1133.3		500.0	150.0		
	100 GORK	6	1135.5	1135.9	1	45.0	20.0		
	100 GORK	6	1157.5	1157.6	.2	80.0	25.0		
	808 ONDR	45	1207	1208	13				
	536 ONDR	45	1211	1213.5	3	80.0			
	3100 CRIM	20	1231	1137	80 D	38.0			
	111 POTS	45	1239.1	1239.3	.4	700.0	140.0		
	2800 OTTA	23	1315	1355	130	16.0	7.8		
	4995 SGMR	20	1319.8	1355.2	99.3	19.4	9.7		
	1415 SGMR	20	1321.5	1406.6	78.3	5.2	2.6		
	10700 PENN	20	1322.2	1355	75	22.2	9.0		
	9500 BERL	20	1322	1356	76.5	22.0	12.0		
	9400 HUAN	21	1322.3	1433.1	129.1	19.6	10.4		
	2695 SGMR	20	1322	1355.1	105	8.1	4.0		
	8800 SGMR	20	1329.5	1355.5	96.7	20.3	10.0		
	7000 SAOP	20	1348.5			32.7			
	9400 HUAN	22	1350.8	1355.5	18.2	15.7	7.0		
	2800 OTTA	1	1414	1416	4	3.6	1.8		
	9400 HUAN	22	1646.5	1652.1	9	3.9	2.6		
	9400 HUAN	22	1722.1	1723.8	9	5.9	3.3		
	7000 SAOP	8	1725	1725.3	.5	14.3	7.2		
	2800 OTTA	1	1736.5	1737	.8	2.0	1.0		
	2700 PENN	24	1741.5	1843		15.5			
	606 SGMR	1	1800.8	1801.2	1.2	1.0	.5		
	245 SGMR	6	1800.7	1801.3	1.7	105.0	50.0		
	606 SGMR	1	1804.7	1805.1	1.1	3.1	1.6		
	245 SGMR	6	1804.7	1805.3	2.3	57.0	25.0		
	606 SGMR	20	1824.4	1830	8	1.6	.8		
	2800 OTTA	21	1825	1845	85	8.2	4.6		
	2695 SGMR	20	1825.7	1827.7	49.7	8.0	4.0		
	1415 SGMR	20	1825	1828.2	13.1	6.1	3.0		
	2700 PENN	1	1826.7	1827.6	4.6	9.3	2.6		
	4995 SGMR	20	1827.1	1832.7	54.9	11.2	5.6		
	2800 OTTA	4	1827	1827.5	2	13.0	4.0		
	9400 HUAN	20	1838.2	1902.9	55.6	3.9	2.8		
	408 SANM	27	1900		100 D		29.5		
	606 SGMR	20	1906.2	1931	76.6	5.7	2.8		
	245 SGMR	6	1910.7	1935	103.3	63.0	20.0		
	9400 HUAN	3	2136.3	2136.7	1.9	13.7	7.2		
	208 VORO	44	2200	2207.3	34	188.0			
	2695 PENT	20	2255	2300	30	9.6	4.8		
24	9400 TYKW	5	0026	0028	8	6.0	2.0		
	3750 TYKW	5	0026	0028	15	4.0	2.0		
	2000 TYKW	5	0026	0028	8	2.0	1.0		
	8800 MANI	4	0059.7	0101.3	2.5	159.0	63.0		
	100 KODA	5	0338		3	29.0D			
	100 GORK	44	0456		69 D		5.0		
	9400 TYKW	5	0500	0504.2	8	380.0	50.0		
	3750 TYKW	5	0500	0504.2	8	46.0	10.0		
	4995 MANI	4	0501.5	0504.1	18.5	152.0	68.0		
	2695 MANI	3	0501.5	0504.1	18.5	28.4	13.4		
	650 GORK	4	0502.8	0503 U	6.5	12.0D			
	612 TOKO	45	0502.7	0503.4	1.2	618.0			
	100 GORK	6	0502.4	0503.3	1.9U	60.0D			
	9100 GORK	21	0502.6	0506	6.7	39.0			
	8800 MANI	4	0502.7	0504	17.3	365.0	167.0		
	2000 TYKW	5	0502	0504.2	6	23.0	4.0		

56
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
24	1000 TYKW	45	0502	0504.3	6	31.0	5.0		
	606 MANI	4	0503.2	0504.1	16.8	345.0	70.0		
	100 KODA	5	0503		5	14.0D			
	9100 GORK	41	0503.4	0504.3	2.6	372.0			
	1415 MANI	3	0503.2	0504.2	16.8	23.1	11.0		
	650 GORK	29	0504.7	0505.5	4.5	9.0			
	3750 TYKW	29	0505		20	4.0	2.0		
	9400 TYKW	29	0508		20	12.0	6.0		
	200 GORK	44	0530		35 D		5.0		
	200 GORK	6	0535.7	0536	.4	115.0	36.0		
	200 GORK	6	0550.2	0550.3	.4	115.0	40.0		
	221 ABST		0600	0634.2	180				
	3800 GORK	22	0611.7	0737.7	146.3U	44.0			
	250 ONDR	44	0700		490	120.0D			
	204 KIEV	44	0700 E	1130 D	420 U	63.0D	14.0		
	9620 IRKU	20	0729	0740	25	51.0	24.0		
	9100 GORK	20	0729.4	0803.7	86.3	63.0	30.0		
	9500 BERL	20	0734	0739.5	146 U	35.0			
	3100 CRIM		0734						
	8800 MANI	22	0735	0739	90	36.0	18.0		
	4995 MANI	22	0735	0738.1	90	33.8	16.9		
	2695 MANI	22	0735	0740.7	90	15.0	6.7		
	1470 BERL	20		0739.5		3.6U			
	1415 MANI	22	0737.2	0739.8	87.8	4.2	2.1		
	9620 IRKU	1	0802	0804.2	14	22.0	10.0		
	111 POTS	5	0911.8	0911.8	.1	300.0	100.0		
	930 BORD	5	0932	0932.5	1	21.0	2.0		
	9100 GORK	1	0932	0932.6	1.4	21.5	5.9		
	9100 GORK	1	0938.5	0938.8	.5	5.3	2.7		
	204 IZMI	6	0943.8	0944	.8	250.0	40.0		
	111 POTS	45	0943.8	0944.2	2.4	9000.0	700.0		
	23 POTS	5	0944.2	0944.2	.4	8000.0	2500.0		
	930 BORD	45	0955	0955	1	32.0	1.0		
	600 UCCL	5	0955.2		.2	108.0	54.0		
	536 ONDR	5	0955	0955	1.5	245.0D			
	245 SGMR	44	1112 E		631 D				
	204 IZMI	24	1118.5		14.5	150.0			
	650 GORK	1	1204.1	1204.5	1.5	2.6	1.0		
	100 GORK	6	1206.9	1207.3	.7U	75.0D			
	7000 SAOP	20	1247.8		11.8	6.0			
	9500 BERL	20	1321.5	1330	18.5	9.0	4.3		
	9400 HUAN	22	1321.3	1328	29.9	10.0	5.6		
	4995 SGMR	23	1322.8	1330.1	167.6	18.9	9.4		
	2800 OTTA	21	1323	1400	95	6.4	3.2		
	2695 SGMR	23	1323	1355	158.4	7.8	3.9		
	9500 BERL	22	1410	1411.5	10	18.0			
	9400 HUAN	4	1410	1411.3	6.7	16.0	8.8		
	8800 SGMR	3	1410.6	1411.5	9	10.9	5.4		
	7000 SAOP	23	1410.9	1412.7	19.1	42.3			
	7000 SAOP	4	1410.9	1412.7	2.5	42.3	21.2		
	7000 SAOP	22	1410.9		19.1	32.2			
	4995 SGMR	3	1410.3	1411	10.1	14.8	7.4		
	9400 HUAN	1	1434.5	1435.3	1.3	8.0	3.0		
	4995 SGMR	1	1434.9	1435.5	1.8	6.2	3.1		
	2800 OTTA	1	1434.5	1435.2	1	6.6	3.3		
	2700 PENN	1	1434.9	1435.4	1.2	7.4	3.3		
	8800 SGMR	1	1435.3	1435.5	.3	1.6	.8		
	2695 SGMR	1	1435	1435.6	.8	5.3	2.6		
	1415 SGMR	1	1435.3	1435.5	.5	.9	.4		
	7000 SAOP	8	1436.7	1437.1	10.9	12.1	6.0		
	930 BORD	45	1438	1439	2	8.0	2.0		
	9400 HUAN	22	1501.3	1538.2	62.6	20.0	8.5		
	7000 SAOP	20	1510		16	14.7			
	4995 SGMR	3	1532.2	1538.8	10.6	7.9	3.9		
	8800 SGMR	3	1536.1	1538.4	4.1	31.2	5.0		
	9400 HUAN	22	1640	1701.8	64.8	6.0	3.1		
	9400 HUAN	22	1807.6	1811.6	7.5	4.0	2.0		
	9400 HUAN	22	1835.2	1850.1	39.8	8.0	3.8		
	9400 HUAN	21	1917.7	1931.1	39.8	10.0	4.0		
	10700 PENN	1	1928.7	1929.1	1.8	9.9	5.2		
	9400 HUAN	1	1928.7	1929.2	1.3	4.0	3.3		
	7000 SAOP	1	1930.6	1931.2	1.2	6.5	3.2		
	10700 PENN	45	2111.9	2114.2	5.8	246.0	46.4		
	960 PENN	1	2111	2114.7	6.3	8.0	3.0		
	9400 HUAN	46	2111.7	2113.9	3.1	256.0	113.7		
	1415 SGMR	46	2111.8	2114.2	8.8	80.0	20.0		
	8800 SGMR	46	2112	2114.1	9	285.0	47.6		
	4995 SGMR	46	2112.1	2115.2	9.1	240.0	35.0		
	2800 OTTA	4	2112	2114.2	4	130.0	44.0		
	2700 PENN	45	2112.1	2114.4	10	137.0	21.5		
	2695 SGMR	46	2112.2	2114.2	8.8	100.0	28.0		
	9400 HUAN	29	2114.8	2114.8	11.2	24.0	8.5		
	2800 OTTA	29	2116		60	16.2	4.0		
	208 VORO	44	2200	0216	300	200.0			
25	208 VORO	45	0038	0046.5	10	260.0	132.0		
	208 VORO	24	0055	0109.5	125	140.0			
	3750 TYKW	5	0146	0200	60	6.0	3.0		
	2000 TYKW	5	0150	0215	80	4.0	2.0		
	3750 TYKW	5	0350	0430	100	6.0	3.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
25	2000 TYKW	5	0415	0430	60	4.0	2.0	2	
	200 GORK	44	0448		372		14.0		
	100 GORK	44	0448		39		5.0		
	650 GORK	22	0535	0543.1	44.8	7.7	3.2		
	200 GORK	41	0551	0551.5	2.3	250.0D			
	200 GORK		0551	0553		215.0			
	100 GORK	44	0551		146		10.0		
	100 GORK	6	0551.2	0551.6	.8	15.0			
	221 ABST		0600	0634.2	180				
	200 GORK	6	0606	0606.2	.4	120.0	50.0		
	200 GORK	6	0622.6	0622.7	.8	220.0	65.0		
	100 GORK	6	0622	0622.3	.5	60.0	20.0		
	200 GORK	6	0628.7	0629.3	1.3	240.0D			
	200 GORK	41	0632.3	0632.9	2.4	105.0			
	200 GORK		0632.3	0634.4		185.0			
	100 GORK	6	0633.9	0634.3	.7	50.0			
	200 GORK	42	0642	0746.3	252	245.0			
	260 ONDR	44	0700	1205.5	480	110.0			
	204 KIEV	44	0700		29	51.0	21.0		
	234 POTS	40	0716.2	0716.5	3.8	175.0	1.0		
	100 GORK	41	0737.3	0757.9U	30.1	70.0D			
	100 GORK	6	0954.8	0955.2	.5	15.0			
	100 GORK	41	1027.1	1027.2	.6	30.0			
	225 HARS	45	1049	1050	2	170.0	60.0		
	9100 GORK	1	1110.3	1110.8	1.3	13.0	4.2		
	245 SGMR	44	1113		627				
	234 POTS	40	1146.3	1158	19.3	250.0	1.0E		
	225 HARS	45	1155.5	1156.5	2	190.0	50.0		
	4995 SGMR	1	1325.9	1326	.3	4.1	1.8		
	2800 SLOU	3	1325.3	1325.5	.8	31.0			
	2800 OTTA	3	1325.9	1326	1	17.0	4.0		
	2700 PENN	20	1325.9	1326	.7	17.7	4.8		
	2695 SGMR	3	1325.9	1326	.5	13.9	6.0		
	240 KIEL	44	1408	1408		250.0	10.0		
	111 POTS	45	1416.5	1417.5	1.5	300.0	15.0		
	235 TRST	41	1417.4	1417.5	1	2890.0			
	234 POTS	45	1417.4	1417.5	.8	1400.0	70.0		
	240 KIEL	6	1523	1525	5	500.0	80.0		
	420 KIEL	6	1524	1525	3	400.0	100.0		
	1420 KIEL	5	1524	1525	3	150.0	60.0		
	408 SANM	45	1530	1536.3	8.3	335.0	24.0		
	7000 SAOP	4	1530.6	1531.5	3	18.1	9.0		
	960 PENN	45	1534.7	1535.8	4	50.0D	16.0D		
	930 BORD	45	1534	1536	5	166.0	21.0		
	606 SGMR	46	1534.6	1536.5	9	97.0	13.3		
	245 SGMR	46	1534.3	1535.5	3	1020.0	172.0		
	200 NERA	45	1534.1	1535.3	6	2600.0	1200.0		
	18 MCMA	6	1534	1536	2				
	9400 HUAN	1	1534.1	1535.5	3.4	10.0	5.1		
	8800 SGMR	1	1534.9	1535.3	2.4	5.9	2.2		
	4995 SGMR	4	1534.5	1535.3	3.4	20.5	6.2		
	3000 NERA	45	1534.8	1536.4	3.8	72.0	40.0		
	2800 OTTA	4	1534.5	1535.1	3	14.0	7.0		
	2700 PENN	45	1534.7	1536.2	3.1	52.7	10.0		
	2695 SGMR	46	1534.7	1536.1	3.1	31.2	9.6		
	1415 SGMR	46	1534.6	1536.1	10	260.0	47.6		
	610 NERA	45	1535	1536.6	2.7	125.0	50.0		
	600 UCCL	45	1535.5	1537	3	45.0	20.0		
	2800 SLOU	46	1540	1543.2	4	100.0			
	10700 PENN	1	1554.8	1555.4	2.4	9.5	3.5		
	9400 HUAN	20	1619	1715	76.1	6.0	2.8		
	2800 OTTA	22	1620	1810	180	7.4	3.7		
	9400 HUAN	20	1739.7	1753.9	100.3	8.0	5.2		
	8800 SGMR	1	1927.7	1928	.5	1.1	.5		
	4995 SGMR	1	1927.5	1928	1.5	4.1	1.8		
	2695 SGMR	1	1927.6	1928	.5	2.5	1.0		
	1415 SGMR	1	1927.5	1927.9	.6	.6	.3		
	9400 HUAN	22	1950	2036.2	80.9	12.0	5.5		
	2800 OTTA	20	2000	2015	60	3.2	1.6		
	2800 OTTA	20	2110	2115	20	3.2	1.6		
26	3750 TYKW	5	0105	0127	220	9.0	4.0		
	2000 TYKW	5	0105	0330	220	4.0	2.0		
	3750 TYKW	5	0159	0201	14	4.0	2.0		
	606 MANI	4	0222.7	0224.5	5.6	54.0	19.3		
	100 HIRA	45	0222.5	0226.5	5.5	220.0D	50.0		
	612 TOKO	45	0223.6	0224	.8	62.0			
	500 HIRA	45	0223	0224.4	2.5	45.0	5.0		
	200 HIRA	45	0224	0226	4	680.0	90.0		
	4995 MANI	4	0224	0226	10	30.8	8.6		
	3750 TYKW	5	0224	0226	5	18.0	4.0		
	2695 MANI	4	0224	0224.5	10	10.7	4.0		
	2000 TYKW	45	0224	0226	4	3.0	1.0		
	1415 MANI	2	0224	0224.5	1.3	2.8	1.0		
	1000 TYKW	45	0224	0224.4	4	14.0	2.0		
	8800 MANI	3	0225.7	0226	2	12.1	4.8		
	4995 MANI	1	0403.2	0403.6	.7	5.3	1.8		
	3750 TYKW	5	0403	0403.3	12	7.0	3.0		
	2695 MANI	3	0403.2	0403.6	.7	8.5	4.3		
	2000 TYKW	5	0403	0403.4	6	4.0	1.0		

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
26	200 GORK	44	0508 E		262 D		10.0		
	100 GORK	44	0516.3		67.2		10.0		
	3800 GORK	22	0549.6	0556.6	33.8	11.0	5.7		
	221 ABST		0600	0751.2	180				
	200 GORK	41	0619.3	0622.7	6.2	250.0D			
	200 GORK		0619.3	0624.1		90.0			
	100 GORK	44	0623.2		187 D		5.0		
	111 POTS	5	0652.2	0652.3	.1	400.0	150.0		
	200 GORK	41	0656.6	0657.8	3.8U				
	200 GORK		0656.6	0659.2		287.0			
	260 ONDR	41	0710	0849	460	50.0			
	200 GORK	41	0811.1	0816.5	37	53.0			
	200 GORK		0811.1	0828.6		48.0			
	200 GORK		0811.1	0847.3		122.0			
	100 GORK	6	0816.8	0817	.5	75.0D			
	100 GORK	6	0829.4	0829.6	.5	40.0	12.0		
	9100 GORK	20	0835.2	0938	144.8	48.0	21.0		
	111 POTS	40	0846.6	0854.5	9.6	1600.0	25.0		
	100 GORK	6	0846.3	0847.4	1.8	80.0D			
	650 GORK	41	0851.8	0852.8	6.8	1.3			
	650 GORK		0851.8	0855.3		6.3			
	200 GORK	48	0852.3	0854.7U	5.3	350.0D			
	100 GORK	41	0852.2	0854.6U	5.6	3000.0D			
	234 POTS	45	0853.8	0854.2	1.5	175.0	6.0		
	225 HARS	45	0853	0854	2	75.0	25.0		
	204 IZMI	41	0853	0854.5	2.5	200.0			
	950 GORK	1	0855.1	0855.9	1.1	2.9	1.5		
	650 GORK	40	0859.7	0902	3.6	1.2			
	245 SGMR	44	1113 E		622 D				
	111 POTS	5	1309.5	1309.5	.2	500.0	125.0		
	15400 SGMR	20	1343.5	1346	10.5	5.7	2.0		
	9500 BERL	20	1343	1346	10	18.0	8.9		
	9400 HUAN	22	1343	1345.2	12.4	13.0	6.0		
	8800 SGMR	20	1343.2	1346	8.8	8.3	3.0		
	4995 SGMR	22	1343.7	1346.6	18.7	20.5	7.3		
	3000 NERA	5	1343.7	1344.1	16	20.0	10.0		
	2800 OTTA	20	1343.5	1344	11	7.4	3.7		
	2695 SGMR	20	1343.9	1344.2	11	7.6	2.5		
	7000 SAOP	4	1345.7	1348.7	9.3	23.9	11.2		
	225 HARS	45	1411.5	1412.5	3	270.0	40.0		
	200 NERA	45	1412.2	1413.8	2.8	500.0	250.0		
	111 POTS	45	1412.1	1413	2.1	1400.0	70.0		
	4995 SGMR	20	1412.4	1413.9	8.6	4.6	1.8		
	2695 SGMR	1	1412.4	1413.9	1.8	2.7	1.0		
	1415 SGMR	1	1412.3	1413.6	1.9	4.3	1.5		
	245 SGMR	6	1413.2	1414.1	1.1	65.0	8.0		
	234 POTS	45	1413.4	1414	.7	120.0	6.0		
	9400 HUAN	22	1434.5	1435.7	5.5	9.3	3.9		
	8800 SGMR	3	1434.8	1436	4.2	9.5	2.0		
	4995 SGMR	3	1434.8	1436	5.7	9.5	1.8		
	7000 SAOP	23	1437.9	1438.9	17.7	23.5			
	7000 SAOP	4	1437.9	1438.9	1.3	23.5	11.9		
	7000 SAOP	22	1437.9		17.7	19.9			
	225 HARS	45	1451	1452	2	75.0	20.0		
	4995 SGMR	20	1521.9	1524.6	17.3	6.2	1.8		
	8800 SGMR	1	1530.5	1531.5	1.9	1.9	.5		
	9400 HUAN	3	1546.6	1547.4	3.4	26.1	8.0		
	10700 PENN	3	1547.3	1547.5	.6	21.8	7.4		
	7000 SAOP	28	1623.6		10				
	9400 HUAN	45	1631.8	1632.4	1.8	165.7	85.2		
	8800 SGMR	3	1631.8	1632.7	7.2	205.0	40.0		
	4995 SGMR	3	1631.8	1632.7	6.2	395.0	73.0		
	2695 SGMR	3	1631.8	1632.6	5.5	240.0	45.0		
	15400 SGMR	3	1632.1	1632.4	9.4	21.0	4.0		
	10700 PENN	3	1632	1632.6	2.1	142.0	66.2		
	2800 OTTA	3	1632	1633	6	154.0	52.0		
	2700 PENN	3	1632.2	1632.7	4.3	152.0	62.6		
	1415 SGMR	20	1632.2	1633.2	26.9	5.0	1.5		
	9400 HUAN	29	1633.6	1633.3	144.7	39.1	11.5		
	7000 SAOP	3	1633.6	1634.5	7.7	159.3	55.8		
	10700 PENN	29	1634.1	1634.1	25.4	32.8	11.5		
	2700 PENN	29	1636.5	1636.5	250	22.4	11.2		
	2695 SGMR	29	1637.3	1638	61.7	7.8	3.0		
	4995 SGMR	29	1638	1638	74.5	14.7	5.5		
	2800 OTTA	30	1638		150	16.8	6.6		
	7000 SAOP	29	1641.3		35.4				
	18 MCMA	41	1656	1659	19			3	
	18 MCMA	6	1656	1659	4			3	
	18 MCMA	6	1710	1712	5			3	
	606 SGMR	1	1748.3	1748.8	.7	2.6	1.0		
	245 SGMR	45	1748		1.5				
	2800 OTTA	20	1810		18	3.0	2.0		
	9400 HUAN	22	1903.3	1907.8	13.6	7.4	4.0		
	9400 HUAN	21	2004.7	2006.8	9.6	5.6	1.9		
	15400 SGMR	3	2008.3	2008.7	4.5	15.3	3.0		
	10700 PENN	3	2008.1	2008.6	2	39.8	10.2		
	9400 HUAN	3	2008	2008.6	2	31.7	14.0		
	8800 SGMR	3	2008.3	2008.7	3.8	36.5	7.0		
	4995 SGMR	3	2008.3	2008.7	4.3	23.6	4.6		
	2695 SGMR	40	2008.5	2010.5	2.9	3.1	1.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
27	1415 SGMR	40	2008.8	2009.5	2.5	2.9	1.0		
	606 SGMR	40	2009.5	2010.5	1.9	12.0	3.0		
	2695 PENT	20	2050	2130	90	3.8	1.4		
	10700 PENN	3	2121.4	2121.8	2 D	45.00			
	9400 HUAN	3	2121	2121.6	1.5	44.7	18.0		
	3750 TYKW	5	0133	0134.5	5	2.0	1.0		
	9400 TYKW	5	0217	0222	20	32.0	7.0		
	8800 MANI	3	0218.2	0221.9	9.5	24.4	7.3		
	4995 MANI	3	0218.2	0221.9	6.2	62.0	26.6		
	3750 TYKW	5	0218	0221.8	30	32.0	8.0		
	2695 MANI	20	0219.8	0221.1	26.9	13.0	4.3		
	2000 TYKW	5	0221	0222	20	8.0	3.0		
	9620 IRKU	1	0222.3	0222.9	1	17.5	8.0		
	4995 MANI	29	0224.4	0224.4	22.3	28.4	7.1		
	3750 TYKW	5	0440	0500	50	5.0	2.0		
	2000 TYKW	5	0440	0500	50	3.0	1.0		
	204 KIEV	43	0745	0815 D	33 U	60.0	10.0		
	9100 GORK	2	0815.1	0815.4	2.5	15.0	5.6		
	100 GORK	44	0830 E		270 D		5.0		
	221 ABST		0837	0837.1	1	9.0	5.0		
	3800 GORK	21	0842.7	0848	13.5	16.0	4.2		
	9500 NERA	5	0846.6	0847	2.4				
	9500 BERL	3	0846	0847	7.5	20.0	7.1		
	9100 GORK	3	0846.4	0846.8	1.6	26.0	12.0		
	8800 MANI	3	0846.5U	0848.1	13.5U	32.8	15.1U		
	4995 MANI	3	0846.5U	0847	13.5U	59.0	29.4U		
	3800 GORK	3	0846.2	0846.9	1.6	31.0	7.5		
	3000 NERA	5	0846.2	0846.9	1.6	55.0	28.0		
	2695 MANI	3	0846.5U	0847	13.5U	16.1	8.1U		
	3100 CRIM	3	0847	0848	6	92.0	30.0		
	3000 NERA	29	0847.8		35	20.0	8.0		
	9100 GORK	29	0848	0848.4	2.8	7.6	3.3		
	100 GORK	41	0850.5	0901.1U	18	50.00			
	100 GORK		0850.5	0903.6U		2500.00			
	100 GORK		0850.5	0905.3		20000.0			
	200 GORK	6	0856.1	0856.1	.1	54.0	23.0		
	200 GORK	41	0900.4	0903.6	9	106.0			
	200 GORK		0900.4	0905.5		200.0			
	650 GORK	40	0901.8	0902.7	1.8	2.8			
	950 GORK	40	0902.5	0902.6	.8	1.9			
	111 POTS	45	0903.9	0905.5	1.7	600.0	12.0		
	950 GORK	2	0904.7	0905.1	1.2	6.1			
	930 BORD	45	0904	0905	2	19.0	2.0		
	650 GORK	2	0904.5	0905.2	1.2	4.4			
	600 UCCL	45	0905		1.5	5.0	2.0		
	3100 CRIM	20	0930	0948	50	19.0	6.0		
	650 GORK	22	0959.1	1007.8	44.9	4.3	1.4		
	200 GORK	6	1033.6	1033.9	.6	7.0			
	100 GORK	6	1033.3	1033.8	1.1	80.00			
	7000 SAOP	3	1055.9	1058.5	4	11.3	5.7		
	245 SGMR	44	1115 E		623 D				
	930 BORD	5	1142	1142.8	1	16.0	1.0		
	111 POTS	45	1243.5	1243.5	.1	180.0	45.0		
	100 GORK	41	1243.4	1243.5U	5.8	85.00			
	100 GORK		1243.4	1247		155.0			
	7000 SAOP	41	1245		90.9				
	7000 SAOP	20	1245		19.8	9.1			
	100 GORK	6	1256.3	1256.4	.4	80.00			
	7000 SAOP	22	1304.8		28.2	13.6			
	2800 OTTA	24	1318		25	6.2			
	7000 SAOP	22	1333		42.9	22.7			
	18 MCMA	6	1404	1405	2			1	
	2700 PENN	3	1426.8	1433	12.7	21.7	5.5		
	960 PENN	20	1427.8	1433.2	12	10.4	2.8		
	7000 SAOP	21	1430.1	1434.8	15	25.2			
	7000 SAOP	20	1430.1		15	12.6			
	10700 PENN	20	1431	1433.2	19.7	7.3	3.7		
	9500 NERA	45	1431.9	1435.4	4.6				
	1470 BERL	46	1431.5	1434.7	8.5U	12.0	2.6		
	15400 SGMR	1	1432.3	1433.5	4.7	7.4	3.6		
	930 BORD	5	1432	1433.5	6	18.0	6.0		
	606 SGMR	45	1432.2	1434.2	5.4	14.6	4.1		
	260 ONDR	45	1432	1436	5	70.0			
	245 SGMR	41	1432.2	1436	9.8	1400.0	11.5		
	235 TRST	41	1432.1	1436	8.4	1315.0			
	234 POTS	40	1432.3	1436	7.9	250.0	2.0		
	200 NERA	40	1432.1	1433.4	6.5	325.0			
	111 POTS	45	1432.8	1433.1	1	2000.0	400.0		
	9400 SLOU	3	1432.2	1433	1.8	13.0			
	9400 HUAN	33	1432.6	1433.3	5.7	11.2	4.4		
	8800 SGMR	1	1432.4	1433	3.3	6.7	3.8		
	4995 SGMR	3	1432.3	1433	2.6	21.8	6.2		
	3000 NERA	45	1432	1433.3	3	45.0	20.0		
	2800 SLOU	45	1432	1433.5	5	23.0			
	2800 OTTA	4	1432	1433	5	20.0	8.0		
	2695 SGMR	45	1432.2	1433	4.7	15.6	4.7		
	1415 SGMR	45	1432.2	1434.9	5	14.7	4.8		
	18 MCMA	6	1433	1434	2			1	
	9500 BERL	3	1433 E	1433		11.0			

60
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
28	7000 SAOP	3	1433.9	1434.8	1.3	25.2	12.6	1	
	9400 HUAN	31	1437.3	1446.3	28.3	-9.3	-4.1		
	2800 OTTA	31	1437	1448	40	-4.6	-2.3		
	2800 OTTA	22	1540	1605	120	7.2	3.6		
	9400 HUAN	22	1557.5	1808.3	181.3	14.9	5.8		
	7000 SAOP	2	1600.3	1601.7	4.3	8.4	4.2		
	18 MCMA	6	1604	1605	2				
	7000 SAOP	4	1610.9	1611.8	3	12.6	6.3		
	2800 OTTA	20	1745	1800	75	7.2	3.6		
	18 MCMA	41	1845	1856	14				
	9400 HUAN	20	1905.3	1934.4	42.4	7.4	4.0		
	960 PENN	40	2044.6		21.4				
	10700 PENN	40	2049.5		15.5				
	4995 SGMR	45	2050.1	2054.2	14.8	95.0	25.5		
	2800 OTTA	22	2050	2056	75	30.0	12.0		
	2700 PENN	40	2050		16				
	2695 SGMR	22	2052.2	2053.6	10.6	15.9	3.8		
	8800 SGMR	22	2053.1	2055.8	17	23.5	4.8		
	606 SGMR	1	2117.3	2117.6	.9	1.6	.5		
	8800 SGMR	3	2117.6	2117.7	.9	28.4	14.7		
	4995 SGMR	3	2117.6	2117.8	.8	29.9	14.7		
	2695 SGMR	3	2117.6	2117.8	.9	18.2	9.1		
	1415 SGMR	1	2117.5	2117.7	.7	7.8	3.8		
	2695 PENT	20	2205	2213	25	5.0	2.5		
	3750 TYKW	5	0220	0350	180	9.0	4.0		
	2000 TYKW	5	0220	0350	180	7.0	3.0		
	9620 IRKU	1	0240.2	0241.3	2.5	17.0	8.0		
	9400 TYKW	5	0300	0350	150	8.0	5.0		
	9400 TYKW	5	0310	0314	10	7.0	3.0		
	9400 TYKW	5	0355	0355.6	3	7.0	2.0		
	3750 TYKW	5	0355	0356	4	2.0	1.0		
	100 GORK	44	0503.6E		390 U		5.0		
	221 ABST		0653.2	0654	1.5	7.0	4.0		
	260 ONDR	41	0730	1135.5	250	30.0			
	3800 GORK	3	0743.5	0744.1	1.3	10.0	4.2		
	3100 CRIM	1	0743	0744	2	15.0	3.0		
	9500 BERL	1	0744 E	0744		36.0			
	1470 BERL	1	0744 E	0744		4.6			
	100 GORK	6	0755.3	0755.4	.2	50.0	20.0		
	100 GORK	6	0759.7	0759.8	.1	35.0	10.0		
	100 GORK	6	0837.6	0838.3	.9	35.0	15.0		
	200 GORK	6	0844.1	0844.2	.2	22.0	12.0		
	100 GORK	6	0913.3	0913.3	.4	40.0D	15.0		
	204 KIEV	44	1000 E		255 U	38.0	6.0		
	100 GORK	6	1008.6	1008.6	.1	25.0	10.0		
	9500 BERL	4	1026.5	1028	18.5	39.0D			
	9500 NERA	45	1027	1027.9	11				
	9400 SLOU	45	1027.2	1029.3	16.5	45.0			
	9100 GORK	45	1027.5	1028.3	5.5	33.0	13.4		
	9100 GORK		1027.5	1029.3		34.0			
	100 GORK	6	1042.9	1042.9	.4	40.0	15.0		
	100 GORK	6	1047.1	1047.2	.3	10.0	5.0		
	930 BORD	5	1101	1101.2	1	12.0	1.0		
	7000 SAOP	22	1105		82.3	23.0			
	3000 NERA	45	1108	1122	35	25.0			
	245 SGMR	44	1117 E		615 D				
	200 GORK	6	1121.5	1121.7	.3	70.0	30.0		
	200 GORK	6	1127.3	1127.8	1	130.0	60.0		
	600 UCCL	27	1146	1219	87	17.0	6.0		
	260 ONDR	44	1200		300	110.0D			
	240 KIEL	44	1200	1317		200.0	10.0		
	9400 SLOU	45	1207.9	1208.1	.7	25.6			
	930 BORD	45	1217	1218	2	53.0	2.0		
	606 SGMR	45	1217.7	1218.4	2.2	39.0	14.0		
	9400 HUAN	20	1217.7	1218.7	5	5.7	2.6		
	1470 BERL	1	1217.7E	1217.7		6.9			
	1415 SGMR	4	1217.8	1218	1.4	8.4	2.8		
	2800 OTTA	21	1245	1300	130	4.4	2.2		
	9400 HUAN	20	1251.7	1253	14.6	5.7	2.4		
	3000 NERA	5	1251.7	1253.3	3	13.0	6.0		
	2695 SGMR	4	1251.5	1253.2	3.8	8.1	3.2		
	1415 SGMR	4	1251.8	1253.2	2.2	11.2	4.4		
	9500 BERL	1	1252.5E	1252.5		7.2			
	8800 SGMR	2	1252.3	1253.1	3.7	5.6	2.2		
	4995 SGMR	4	1252.2	1253.1	3.4	11.6	4.5		
	2800 OTTA	1	1252	1253.7	3	7.4	3.7		
	1470 BERL	4	1252.5	1253	1	12.0	3.3		
	7000 SAOP	32	1302		25.6	16.5			
	4995 SGMR	23	1436	1525.2	112	12.0	6.0		
	9400 HUAN	21	1505.4	1510.5	31.7	5.7	2.5		
	9400 HUAN	1	1505.6	1506.4	2.2	5.7	1.9		
	2800 OTTA	20	1510	1530	40	3.2	1.6		
	2800 OTTA	2	1553	1556	6	8.6	4.3		
	2695 SGMR	1	1553.8	1555.8	6.2	7.0	3.1		
	8800 SGMR	20	1554.4	1608.8	23.6	12.7	6.1		
	4995 SGMR	3	1554.2	1556.5	4.9	10.0	5.0		
	1415 SGMR	1	1554.2	1555.9	7.9	1.4	.7		
	606 SGMR	8	1555.3	1555.4	.5	186.0	30.0		
	18 BOUL	6	1602	1603	2			1	

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION MINUTES	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT		PEAK	MEAN		
29	18 MCMA	6	1604	1605	2			1	
	4995 SGMR	4	1606.7	1608.8	18.4	21.3	8.7		
	2800 OTTA	20	1606	1609	25	4.4	2.2		
	9400 HUAN	23	1607.5	1610.3	42.1	5.7	2.2		
	9400 HUAN	1	1608.1	1608.7	1.9	5.7	2.8		
	18 MCMA	6	1623	1624	2			1	
	18 MCMA	6	1633	1636	4				
	10700 PENN	3	1704.3	1704.4	1	10.2	2.8		
	9400 HUAN	20	1817.7	1828	20.8	3.8	2.4		
	408 SANM	3	1832.5	1833	1.3	50.0	34.5		
	408 SANM	3	1907.1	1907.9	1.4	48.0	23.5		
	9400 HUAN	20	1909.7	1916.8	12.6	3.8	2.3		
	9400 HUAN	20	1930.7	1931.5	11	5.7	2.3		
	9400 HUAN	22	1950.4	2011.4	43.5	11.3	7.2		
	2800 OTTA	24	1950	1950	10	4.6			
	606 SGMR	1	2112.5	2114	7	1.2	.6		
	8800 SGMR	3	2112.7	2113.3	8.1	15.0	7.0		
	4995 SGMR	3	2112.8	2113.4	6.9	25.0	12.5		
	2695 SGMR	3	2113	2113.4	9	10.8	5.4		
	1415 SGMR	1	2113	2113.4	7.1	3.6	1.8		
	2695 PENT	24	2115		10	5.0			
	2695 PENT	20	2150	2220	90	5.0	2.6		
	4995 MANI	4	0009.8	0010.9	6.2	29.6	9.3		
	8800 MANI	2	0010.2	0010.9	5.1	5.2	2.3		
	9400 TYKW	5	0029	0030.8	20	11.0	2.0		
	3750 TYKW	5	0029	0030.8	30	22.0	11.0		
	3750 TYKW	45	0150	0339	140	9.0	4.0		
	9400 TYKW	5	0159	0310	130	7.0	3.0		
	2000 TYKW	5	0200	0240	120	5.0	2.0		
	100 KODA	45	0345		360	43.0D			
	200 GORK	44	0500		420 D		10.0		
	100 GORK	44	0500		183 D		80.0		
	111 POTS	40	0630	0642.8	21	2200.0	35.0		
	111 POTS	45	0632	0632 U		300.0U			
	204 KIEV	44	0700		420 U	42.0	12.0		
	221 ABST		0707.4	0708	1.4	6.0	5.0		
	260 ONDR	41	0710	0724.5	480	70.0			
	650 GORK	1	0723.7	0724.4	1.1	2.4	1.2		
	235 TRST	45	0723.7	0724.1	1	2360.0	500.0		
	234 POTS	45	0723.8	0724	.7	450.0	70.0		
	204 KIEV	6	0723.8	0724.2	1.5	63.0D			
	204 IZMI	6	0723.5	0723.8	1	350.0	120.0		
	200 GORK	6	0723.7	0724	.8	300.0D	100.0		
	100 GORK	6	0724.2	0724.5	.5	560.0	280.0		
	9100 GORK	20	0807.8	0852.2	54 E	19.6			
	3800 GORK	20	0813.8	0836.8U	37.2	7.8	4.2		
	111 POTS	45	0820.7	0821	1.2	400.0	50.0		
	100 GORK	6	0820.6	0821.3U	1.5	50.0D			
	100 GORK	44	0853		135 D		5.0		
	200 GORK	41	0923.4	0923.6	.5	75.0			
	930 BORD	40	0938	0938.5	1	13.0	1.0		
	234 POTS	45	0945.8	0945.9	.4	350.0	60.0		
	200 GORK	41	1001.7	1002.3	1.2	145.0			
	650 GORK	3	1011.6	1011.7	.3	6.0	3.0		
	9100 GORK	1	1011.6	1013.9	6.6	8.7	3.7		
	3800 GORK	42	1011.2	1012	1.5	8.3	3.1		
	1470 BERL	45	1011.3	1012	3.7U	5.4	1.8		
	3800 GORK	29	1012.7	1014.7	6.6	5.1	1.9		
	200 GORK	41	1024.1	1024.2	.6	110.0			
	100 GORK	6	1024.5	1024.7	.5	10.0	5.0		
	111 POTS	45	1058	1158 U	110 U	75.0	15.0		
	100 GORK	44	1113		107 D		210.0		
	111 POTS	40	1151	1200.9	10 U	1600.0	30.0		
	200 GORK	41	1208.3	1208.8	7	250.0			
	200 GORK		1208.3	1214.5		350.0			
	9400 HUAN	22	1259.6	1303.3	7.6	3.7	1.9		
	9400 HUAN	21	1449	1600.7	116.8	5.6	3.4		
	9400 HUAN	3	1450.8	1451.5	2.2	14.9	5.6		
	8800 SGMR		1450.5U	1451.7		6.5U			
	4995 SGMR	22	1450.3	1451.7	17.5	14.8	2.5		
	2695 SGMR	22	1450.8	1451.8	20.4	4.8	1.0		
	1415 SGMR	20	1450.9	1451.8	11.1	2.1	.5		
	15400 SGMR	1	1451.2	1451.8	.7	5.0	1.0		
	7000 SAOP	4	1451.7	1453.2	4.6	23.2	11.2		
	2800 OTTA	1	1451	1452	3	3.4	1.4		
	610 NERA	45	1518.8	1519.7	1.2	70.0	40.0		
	606 SGMR	46	1518.9	1519.6	1.4	59.0	8.6		
	9500 NERA	45	1518.7	1519.5	2				
	9400 SLOU	3	1518.8	1519.5	3	51.0			
	8800 SGMR		1518.8U		7.6U				
	4995 SGMR	3	1518.6	1519.6	8.3	39.6	8.0		
	3000 NERA	45	1518.7	1519.5	1.3	46.0	25.0		
	2695 SGMR	3	1518.8	1519.6	9.5	14.3	3.0		
	15400 SGMR	3	1519	1519.6	2.7	16.8	3.0		
	2800 SLOU	1	1519.5	1519.7	1	7.0			
	2800 OTTA	3	1519	1519.5	2	16.6	6.0		
	1415 SGMR	3	1519	1519.7	8	8.4	1.5		
	7000 SAOP	3	1520.3	1521.2	1.8	58.0	30.2		
	2800 OTTA	29	1521		40	2.8	1.4		

62
Oct 69

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
30	7000 SAOP	29	1522.1		3.4			1	
	18 MCMA	41	1652	1658	6				
	9400 HUAN	20	1657.7	1713.8	40.3	7.4	4.2		
	9400 HUAN	20	1744.3	1754.3	17.9	5.6	2.4		
	606 SGMR	1	1751.8	1751.9	.3	2.7	1.1		
	4995 SGMR	3	1751.6	1752.6	12.5	4.1	1.6		
	2695 SGMR	1	1751.5	1755	6.1	2.4	.8		
	1415 SGMR	3	1751.8	1751.8	.1	10.5	4.5		
	8800 SGMR	1	1752	1752.9	6.4	6.0	2.4		
	9400 HUAN	20	1823	1840.8	37.3	5.6	2.1		
	9400 HUAN	20	1922	1925	18.7	1.9	1.4		
	9620 IRKU	1	0051.2	0051.6	3	22.0	8.0	1	
	9400 TYKW	5	0051	0051.8	3	15.0	4.0		
	3750 TYKW	5	0445.5	0446.1	1.5	3.0	1.0		
	100 GORK	6	0511.6	0511.6	.2	15.0	7.0		
	100 GORK	41	0523.4	0524.3	1	20.0			
	100 GORK	6	0535.1	0535.2	.2	13.0	5.0		
	100 GORK	44	0604		68		5.0		
	200 GORK	41	0611.5	0612	5.3	100.0			
	200 GORK		0611.5	0613.6		175.0			
	200 GORK		0611.5	0615.9		210.0			
	200 GORK	6	0654.5	0654.8	.5	20.0	7.0		
	100 GORK	6	0654.2	0654.7	.8	40.0			
	204 KIEV	42	0705	1208	420	32.0	6.0		
	260 ONDR	41	0710	0952.5	130	35.0			
	3100 CRIM	41	0912	0916	15	45.0	12.0		
	3100 CRIM		0912	0927		400.0	110.0		
	15000 KISV	5	0919	0921	5	330.0U	230.0U		
	9500 BERL	1	0919.5	0920.3	3.2	7.3	3.6		
	6100 KISV	5	0919	0920	9	234.0U	163.0U		
	808 ONDR	45	0922	0937.5	15				
	9400 ONDR	45	0924	0926.5	5				
	2800 SLOU	46	0924.9	0926	3	207.0			
	19000 SLOU	4	0925	0927.2	3.5	160.0			
	9500 NERA	45	0925	0927.2	4.1				
	9500 BERL	4	0925	0922	52.5	258.0			
	9400 SLOU	45	0925.1	0927.2	6	384.0			
	3000 NERA	45	0925	0926.9	4.2	350.0	170.0		
	1470 BERL	4	0925	0926.3	65 U	35.0	10.0		
	1420 KIEL	5	0926	0926	3	90.0	40.0		
	930 BORD	5	0927	0927.8	1	29.0	2.0		
	2800 SLOU	29	0928	0928	30	26.0			
	3000 NERA	29	0929.2		66	50.0	25.0		
	9400 SLOU	29	0931	0931	32	13.0			
	536 ONDR	5	0935	0935	1	55.0			
	100 GORK	44	0937 E		203		6.0		
	260 ONDR	44	1010	1013	280	95.0			
	200 GORK	6	1024.5	1024.5	1.9	140.0D			
	100 GORK	6	1024.2	1024.3	.2	13.0	5.0		
	950 GORK	1	1038	1038.3	.5	10.5	5.2		
	930 BORD	5	1038	1038.4	1	10.0	2.0		
	650 GORK	1	1038.2	1039.2	1.8	2.0	1.0		
	930 BORD	5	1054	1054.6	1	14.0	2.0		
31	245 SGMR	44	1120 E		614 D			1	
	240 KIEL	44	1200	1354		1600.0	10.0		
	234 POTS	45	1229.2	1229.2	.1	250.0	60.0		
	100 GORK	6	1248.9	1249.2	.6	50.0D			
	9400 HUAN	20	1404.3	1429.7	49.4	5.6	3.4		
	15400 SGMR	1	1458.6	1458.9	.5	4.5	1.7		
	606 SGMR	1	1458.6	1458.7	.5	3.3	1.7		
	8800 SGMR	3	1458.2	1458.3	.2	8.2	4.1		
	4995 SGMR	1	1458.7	1459	.7	1.2	.4		
	2695 SGMR	1	1458.6	1458.7	.6	3.1	1.0		
	1415 SGMR	1	1458.6	1458.7	.6	3.3	1.2		
	9400 HUAN	20	1631.9	1640.5	16.9	3.8	2.2		
	18 MCMA	41	1634	1637	4				
	9400 HUAN	20	1751	1754.5	6.3	3.8	1.9		
	7000 SAOP	20	1752.8		57.7	13.6			
	408 SANM	3	1808.8	1809.1	1.2	60.0	39.0		
	408 SANM	45	1851	1851.3	1	40.5	25.5		
	2800 OTTA	20	2005	2045	125	3.0	1.5		
	606 MANI	46	0148.5	0153.9	7.3	45.8	10.9		
	2695 MANI	4	0148.5	0150.2	7.3	20.8	9.6		
	1415 MANI	4	0148.5	0149	6.9	17.0	7.9		
	9400 TYKW	5	0149	0151	130	8.0	4.0		
	3750 TYKW	5	0149	0150.2	6	24.0	10.0		
	3750 TYKW	29	0155		130	6.0	3.0		
	200 GORK	44	0510		72		10.0		
	100 GORK	6	0513.7	0516.7U	3.8	25.0D			
	100 GORK	41	0526.5	0529.4	3.3	25.0			
	221 ABST		0600	0722.4	180				
	260 ONDR	44	0700	1345	480	120.0D			
	1470 BERL	2	0708	0710	3.5	4.1	1.7		
	9500 BERL	4	0709	0710	2.5U	48.0	18.0		
	8800 MANI	3	0709.6	0710	1.6	41.9	21.0		
	4995 MANI	3	0709.6	0710	1.8	33.4	15.8		
	3800 GORK	1	0709.8	0710.3	1.4	5.5	2.4		
	930 BORD	40	0710	0710.2	1	14.0	2.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1969

OCT. 1969	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION MINUTES	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	REMARKS
			UT	UT		PEAK	MEAN		
31	1470 BERL	3	0712.2	0713.3	1.8	6.9	2.2		
	100 GORK	44	0715.2E		154		5.0		
	200 GORK	44	0716		194		12.0		
	204 KIEV	43	0720	0803 D	400 U	63.0D	23.0		
	234 POTS	40	0730.1	0731.4	1.6	100.0	6.0		
	111 POTS	40	0733	0735.2	2.4	400.0	10.0		
	200 GORK	6	0736.2	0736.4	.7	400.0D			
	600 UCCL	5	0758	0759	1.8	20.0	10.0		
	100 GORK	6	0819.3	0820.2	1.8	40.0D			
	200 GORK	6	0832	0832.3U	1.7	400.0D			
	600 UCCL	5	0911.8	0912	.5	20.0	10.0		
	9500 BERL	20	0931.5	1015	63.5U	7.5	3.0		
	100 GORK	6	0935.5	0936	1.1	40.0			
	200 GORK	6	1052.5	1052.8	.6	240.0			
	930 BORD	5	1057	1057.4	1	15.0	2.0		
	200 GORK	41	1115.2	1116.8	3.7	200.0			
	245 SGMR	44	1120 E		605 D				
	100 GORK	6	1140.9	1141.1	.7	40.0D			
	234 POTS	45	1144.8	1145.2	.5	100.0	10.0		
	200 GORK	44	1149		62 D		10.0		
	100 GORK	41	1221.4	1221.5	5.3	20.0			
	100 GORK	41	1221.4	1226.6		15.0			
	100 GORK	6	1238.9	1239	.2	5.0			
	18 MCMA	41	1334	1338	6			1	
	606 SGMR	22	1350	1645.3	411	14.6	7.3		
	234 POTS	45	1415.6	1415.8	.3	175.0	30.0		
	2800 OTTA	24	1445		10	3.2			
	9400 HUAN	22	1517.3	1527.2	63	5.7	2.2		
	2800 OTTA	20	1519	1520	20	4.0	2.0		
	930 BORD	5	1556	1556.7	1	27.0	2.0		
	2800 OTTA	20	1640	1725	200	6.0	3.0		
	9400 HUAN	22	1647.3	1811.4	122.7	9.5	5.2		
	9400 HUAN	20	1856.7	1902.8	18.1	5.7	1.9		

Explanation of Type Code:

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

Observatories:

ABST = Abastumani

HUAN = Huancayo

NERA = Nederhorst

SAOP = Sao Paulo

BERL = Berlin-Adlershof

IRKU = Irkutsk

NEUS = Neustrelitz

SLOU = Slough

BORD = Bordeaux

IZMI = Moscow IZMIRAN

ONDR = Ondrejov

SGMR = Sagamore Hill

BOUL = Boulder

KIEL = Kiel

OTTA = Ottawa ARO

TOKO = Tokyo

CRIM = Simferopol

KISV = Kislovodsk

PENN = Penn. State Univ.

TRST = Trieste

GORK = Gorky

KODA = Kodaikanal

PENT = Penticton

TYKW = Toyokawa

HARS = Harestua

MANI = Manila

POTS = Potsdam

UCCL = Uccle

HIRA = Hiraiso

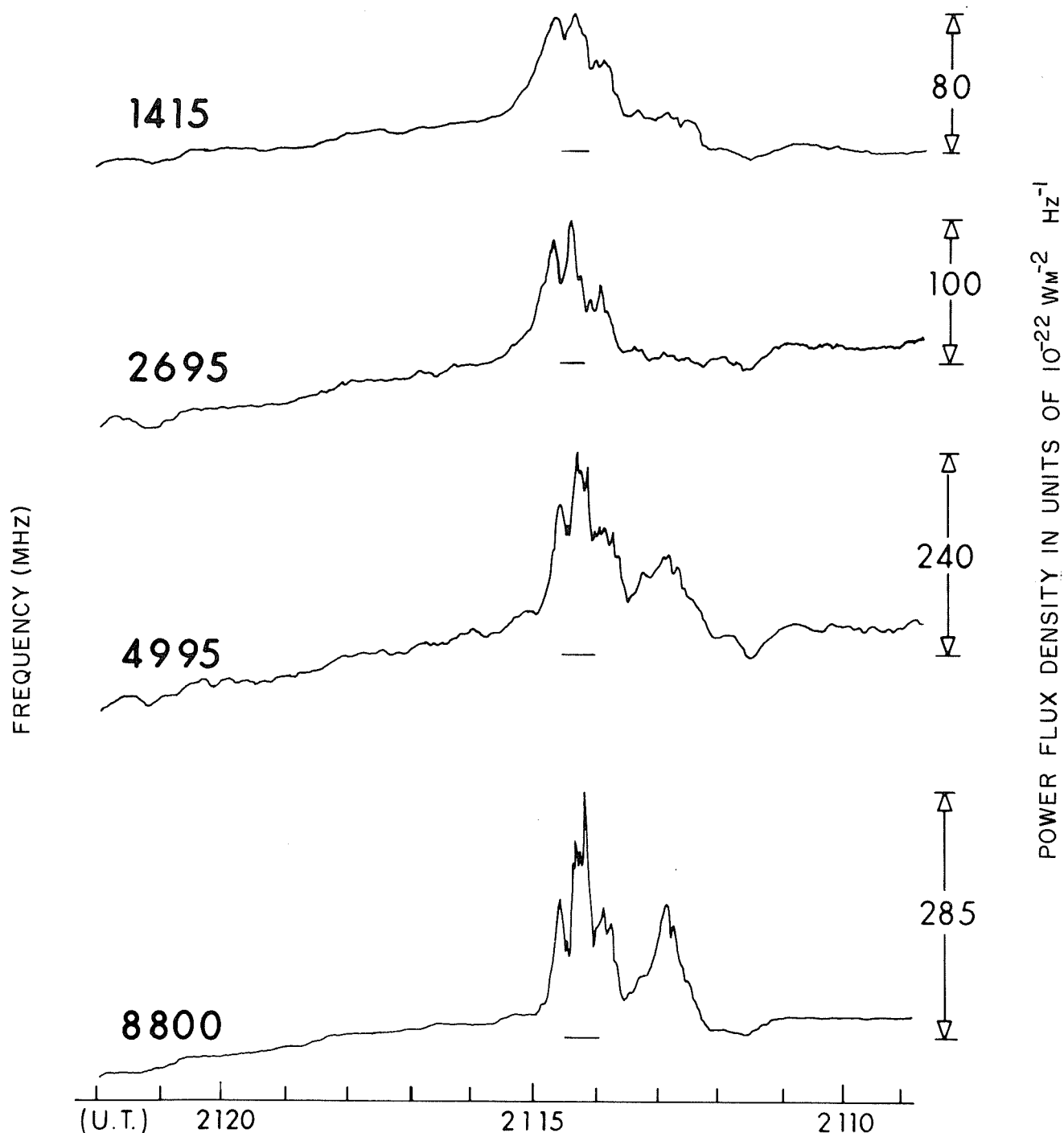
MCMA = McMath-Hulbert

SANM = San Miguel

VORO = Voroshilov

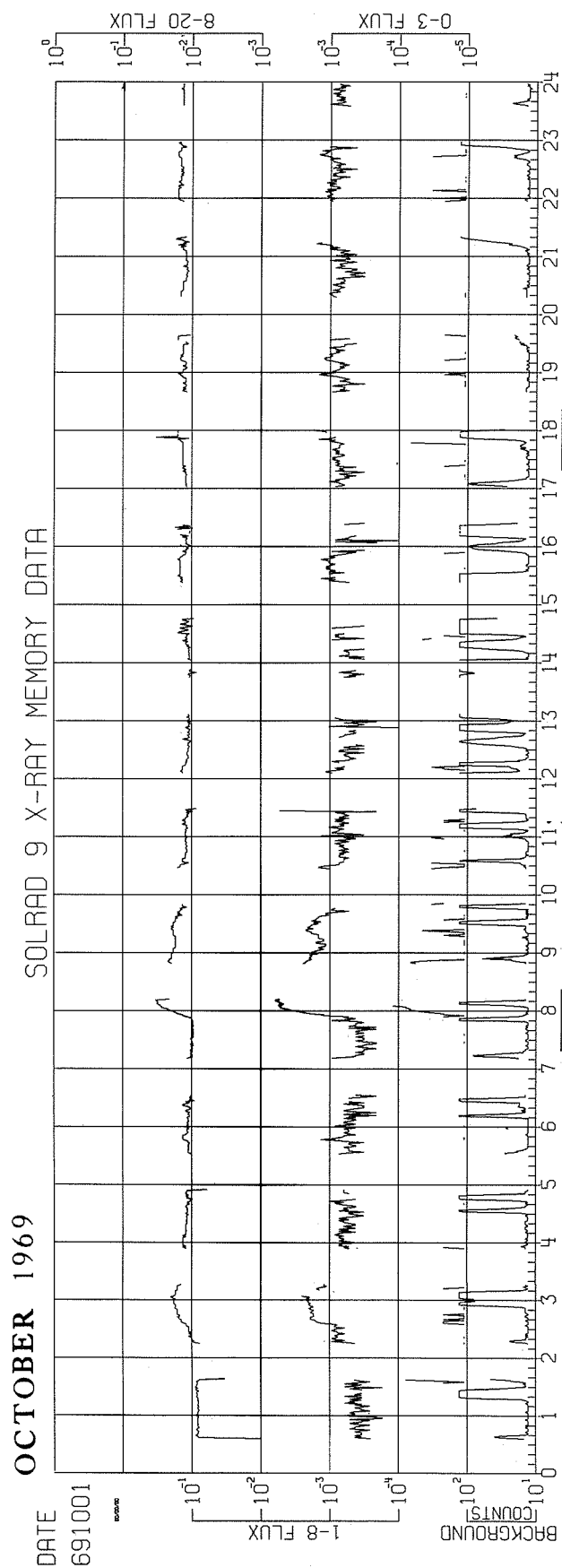
64
Oct 69

SELECTED SOLAR NOISE BURSTS



COMPLEX F RADIO BURST OBSERVED ON 24 OCTOBER, 1969
SAGAMORE HILL RADIO OBSERVATORY, HAMILTON, MASS.

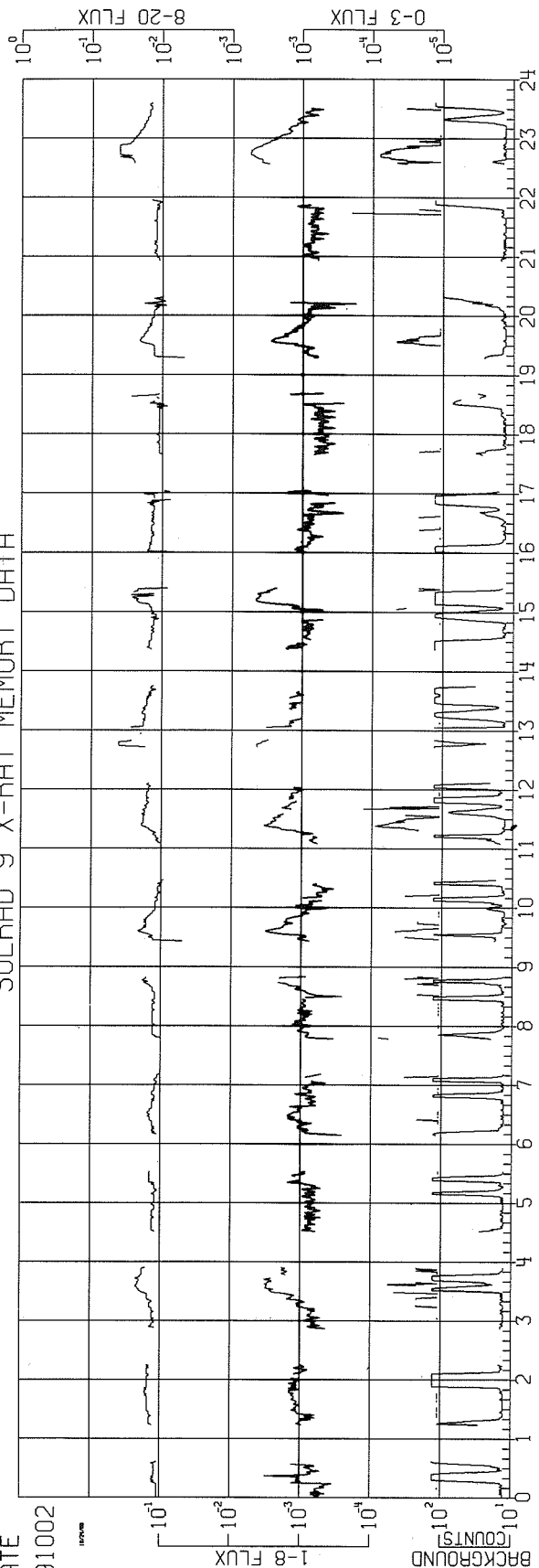
SOLAR X-RAYS MEASURED BY SATELLITE SOLRAD 9-EXPLORER 37



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DATE

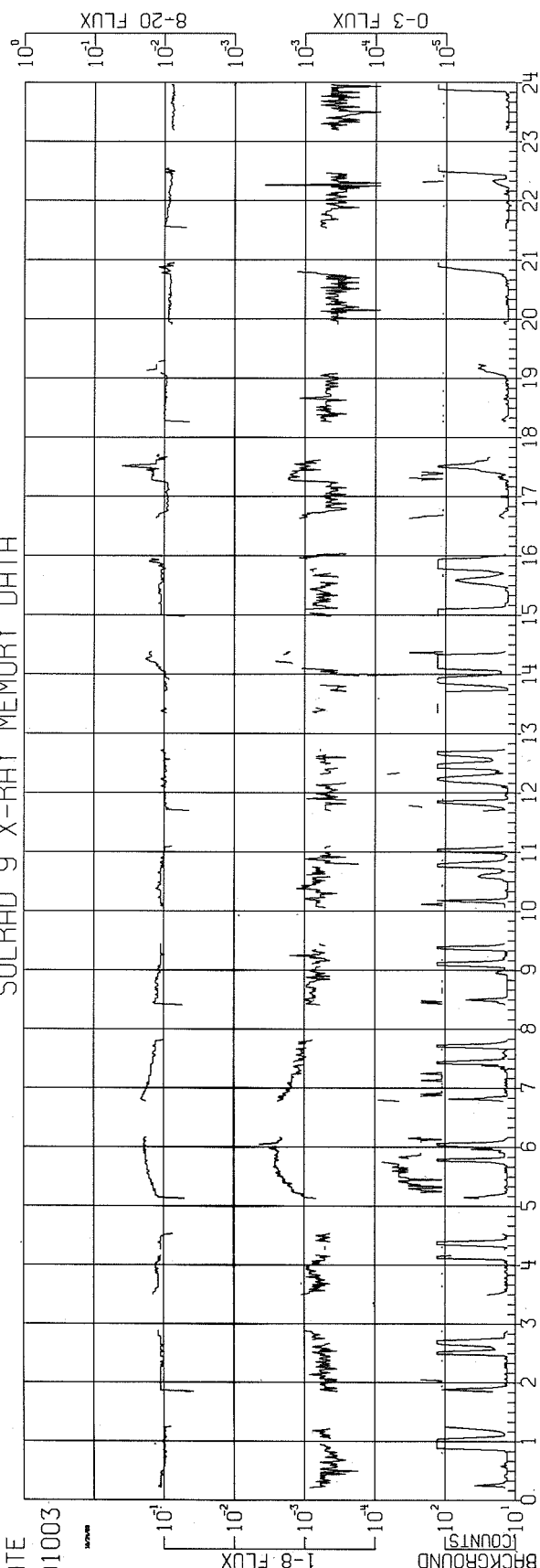
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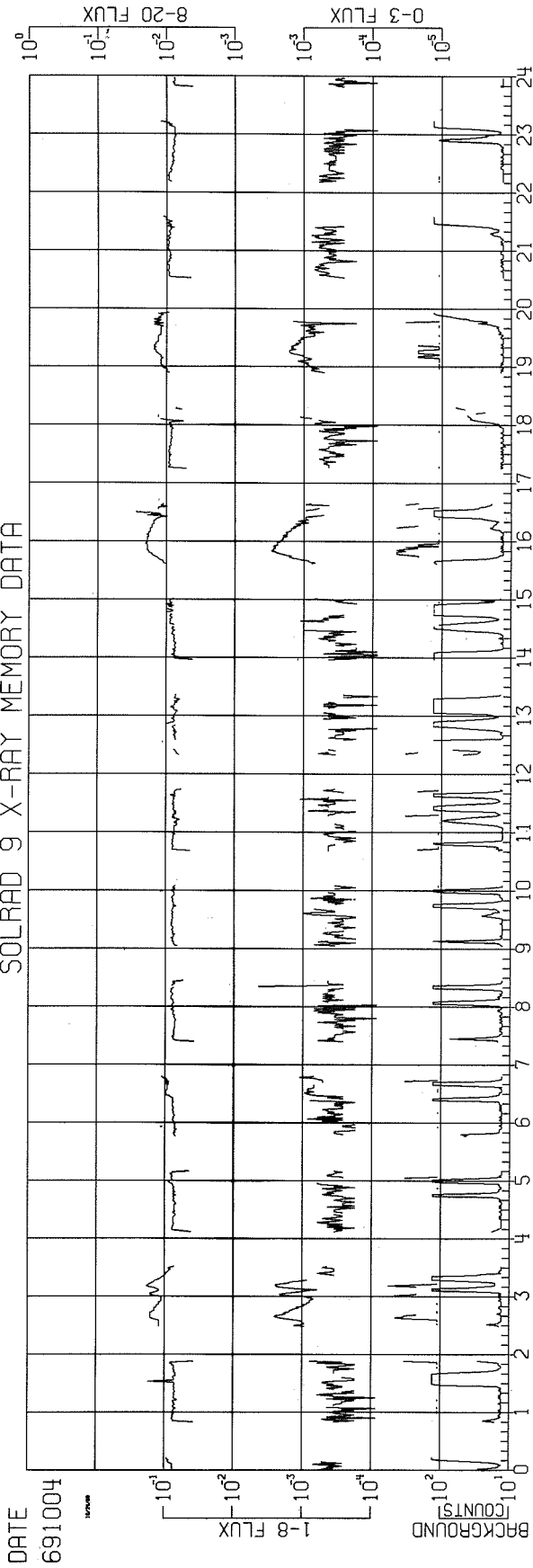
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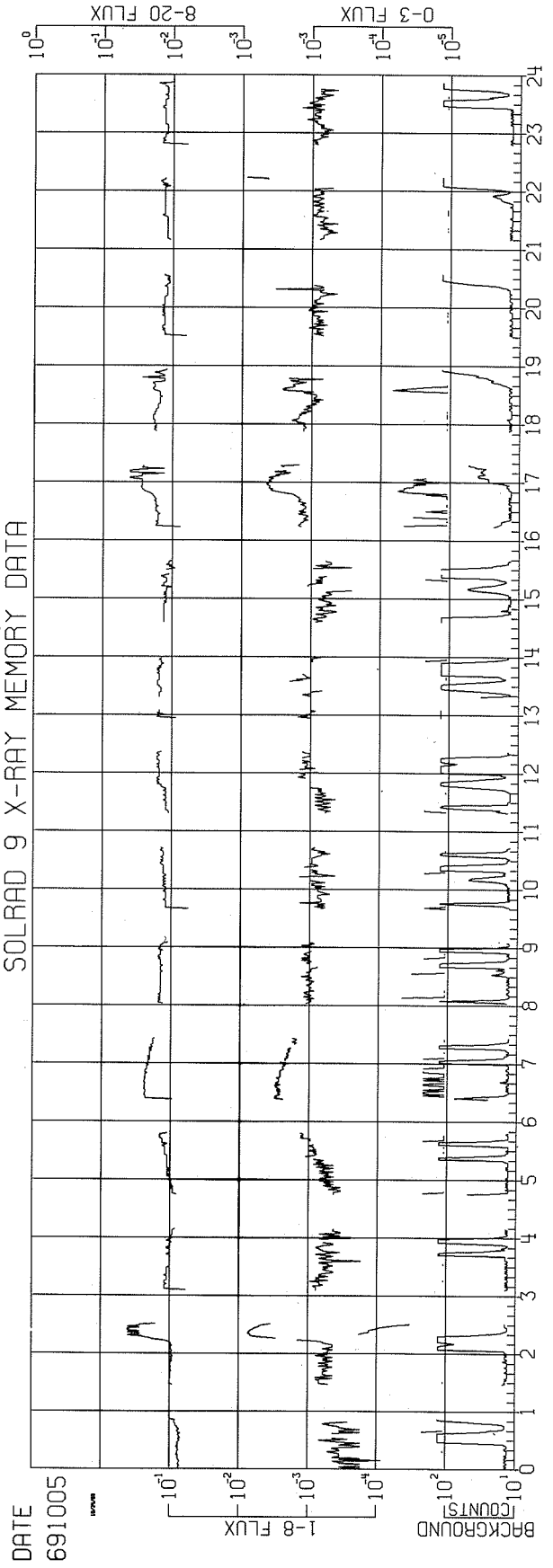
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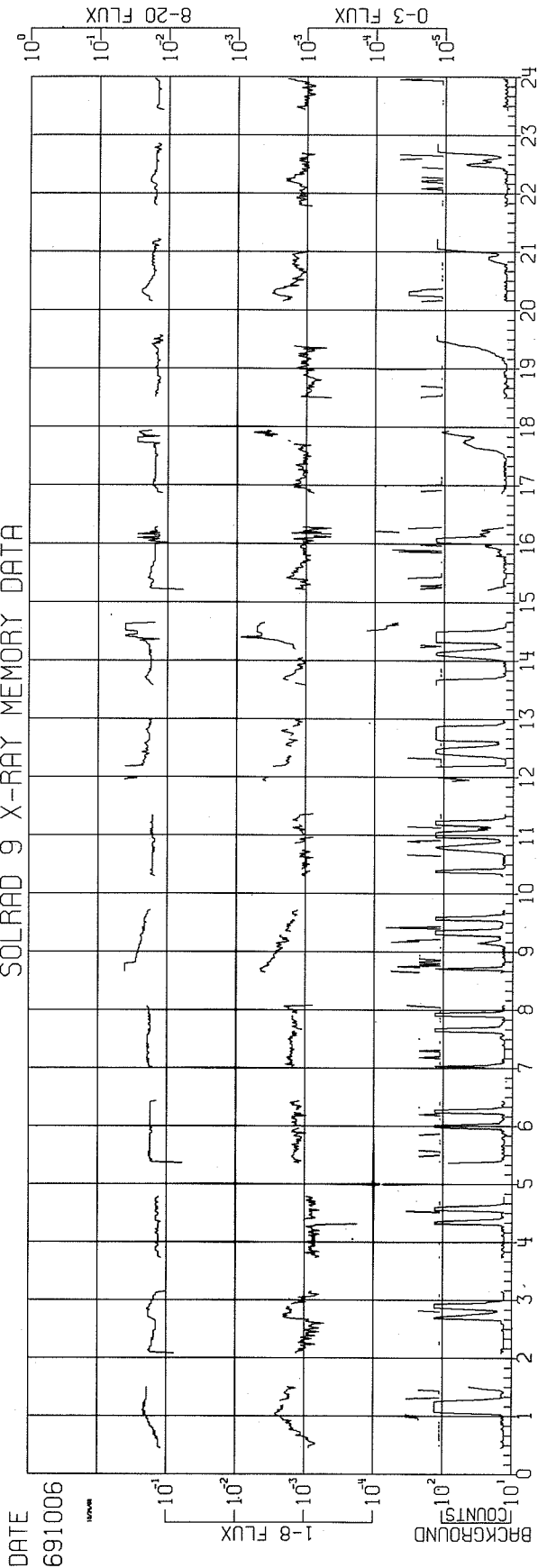
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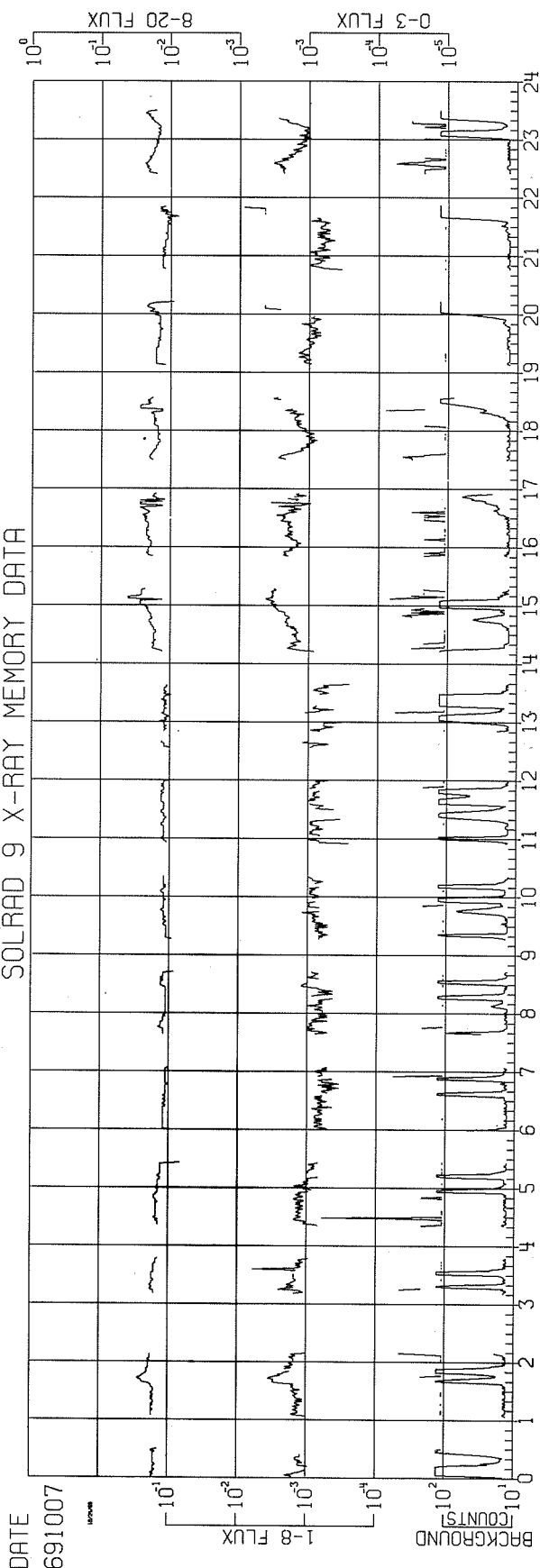
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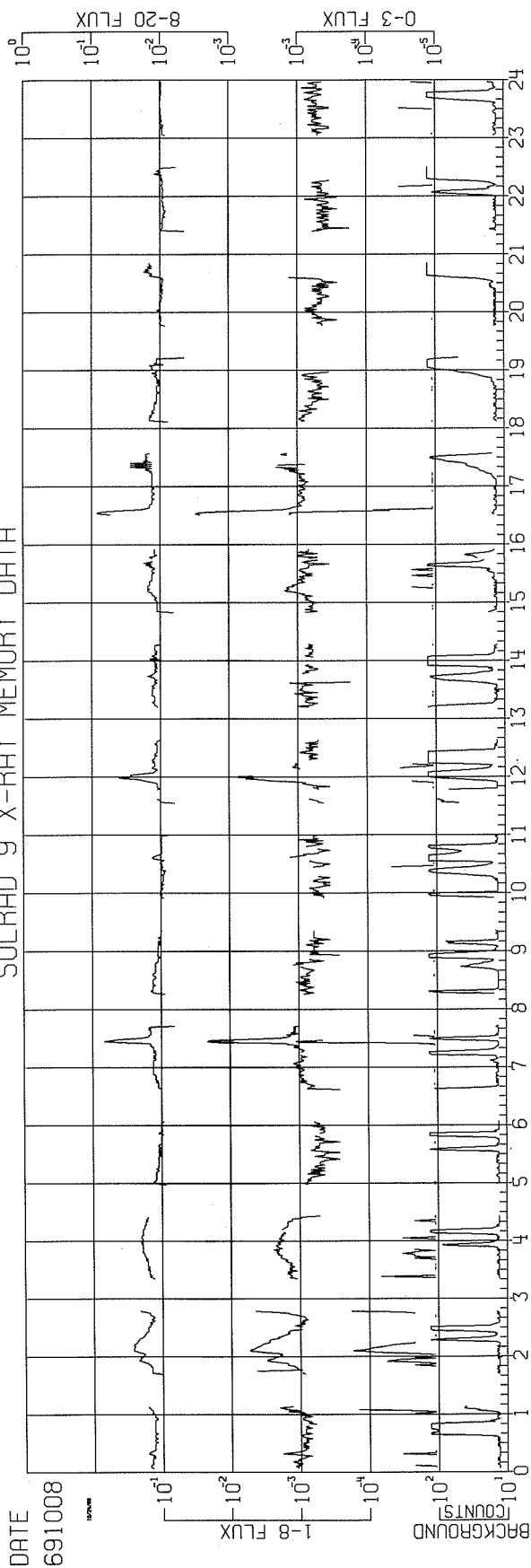
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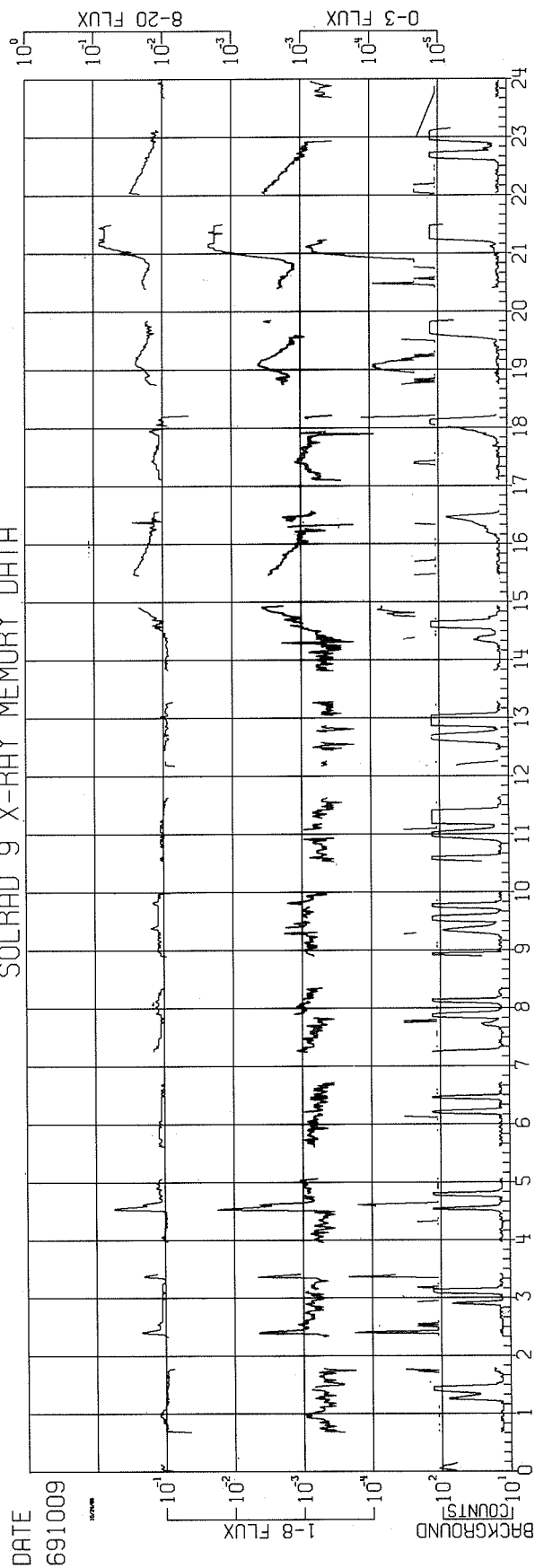
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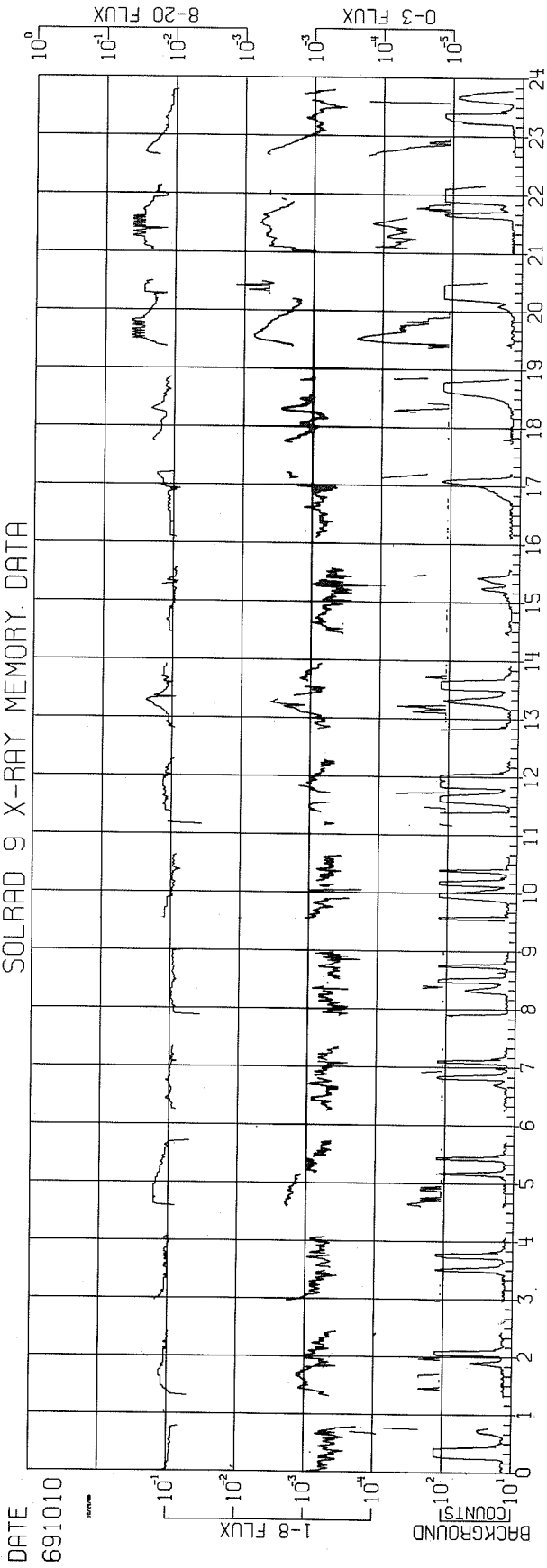
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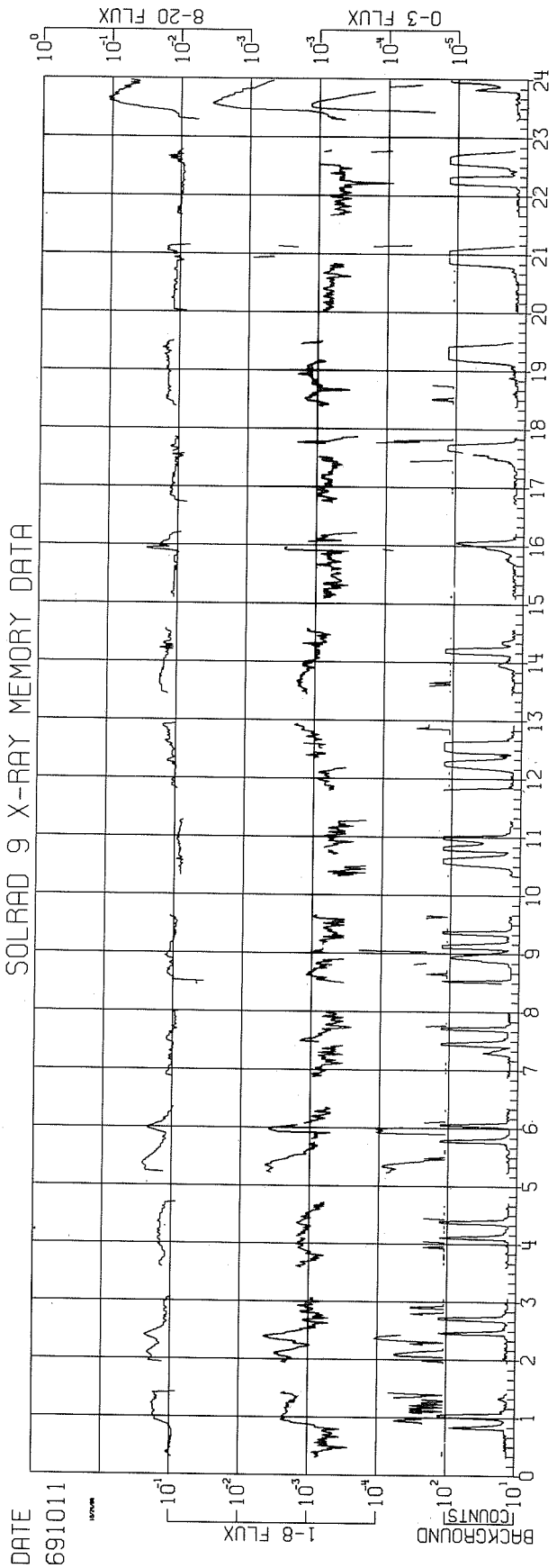
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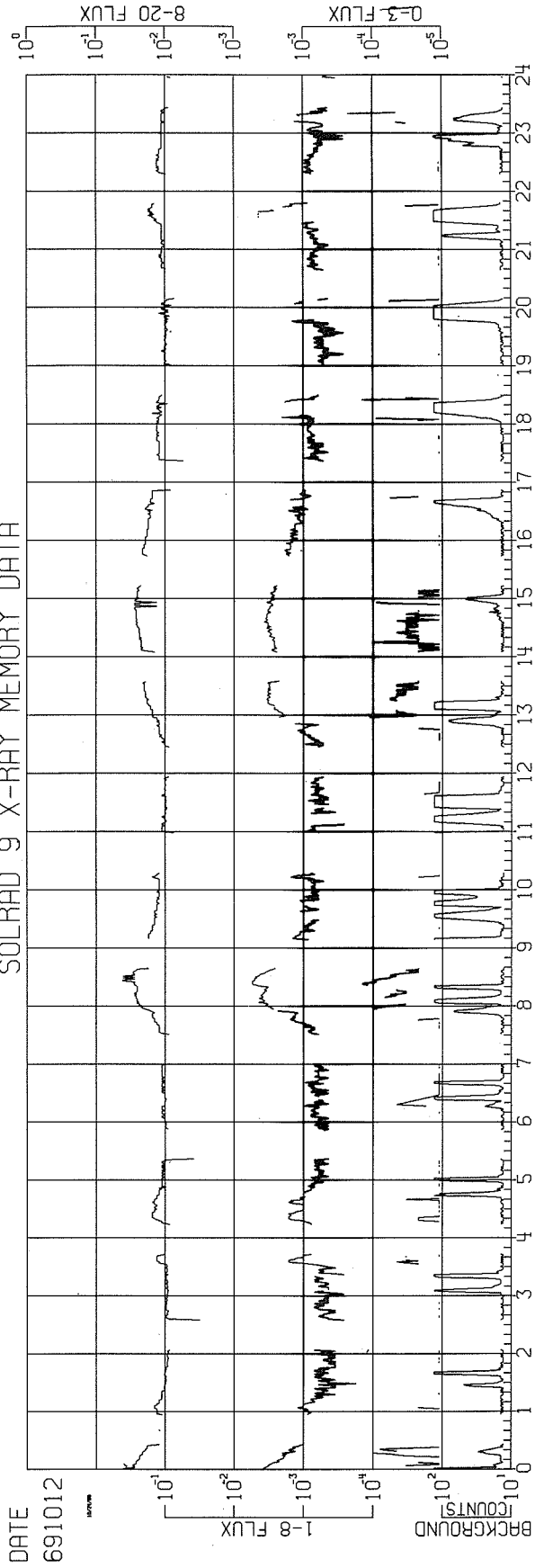
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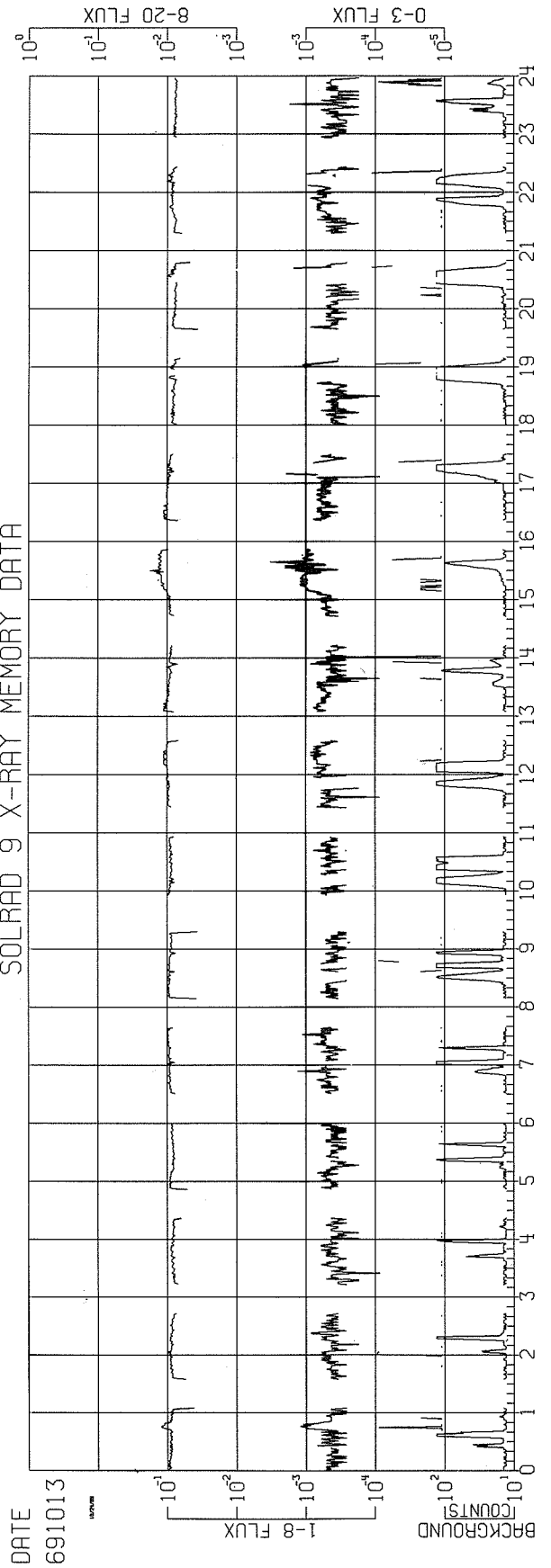
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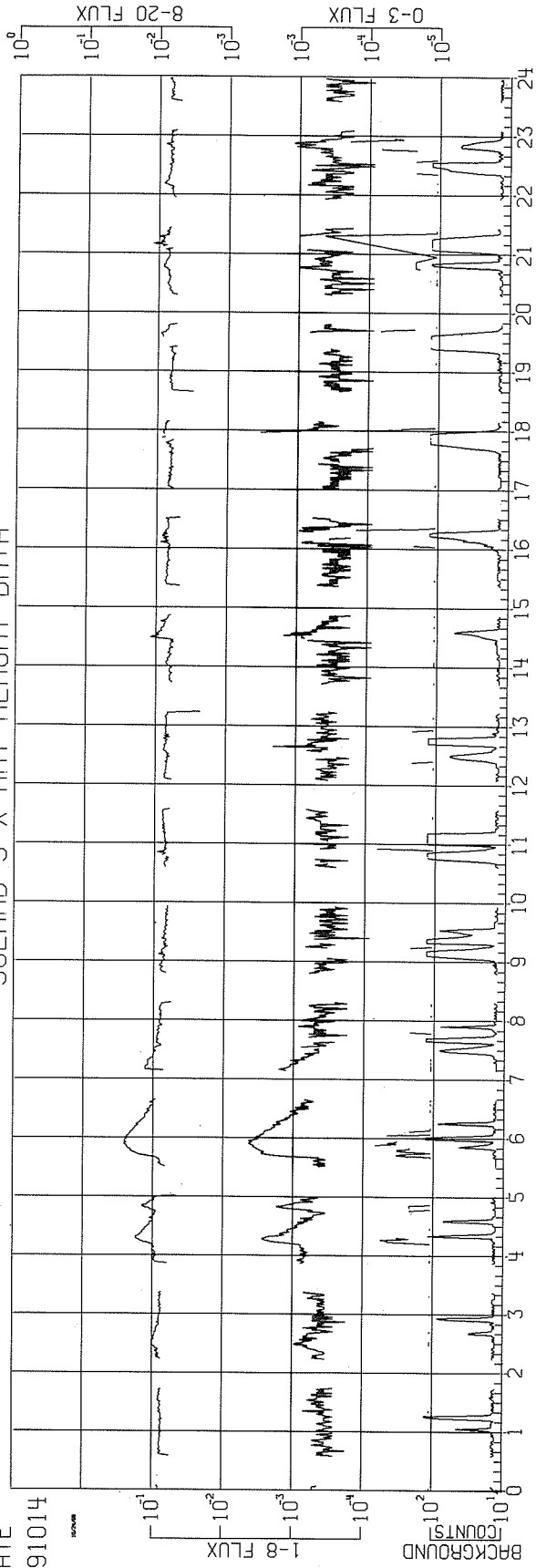


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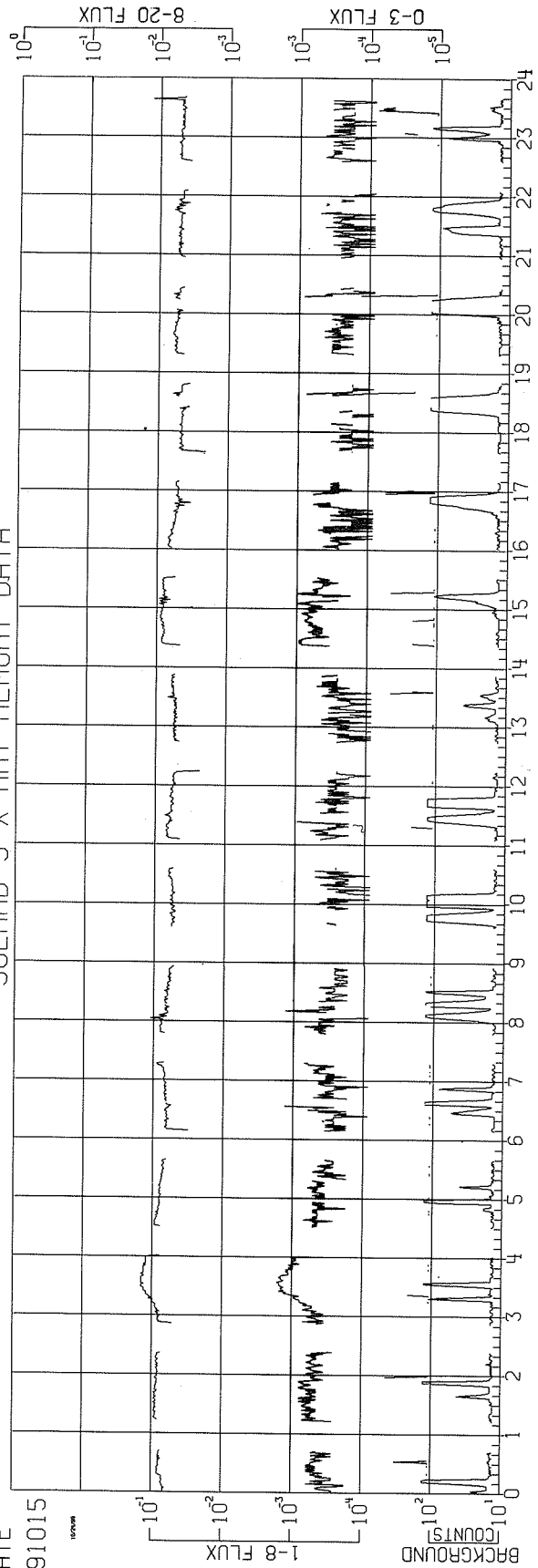
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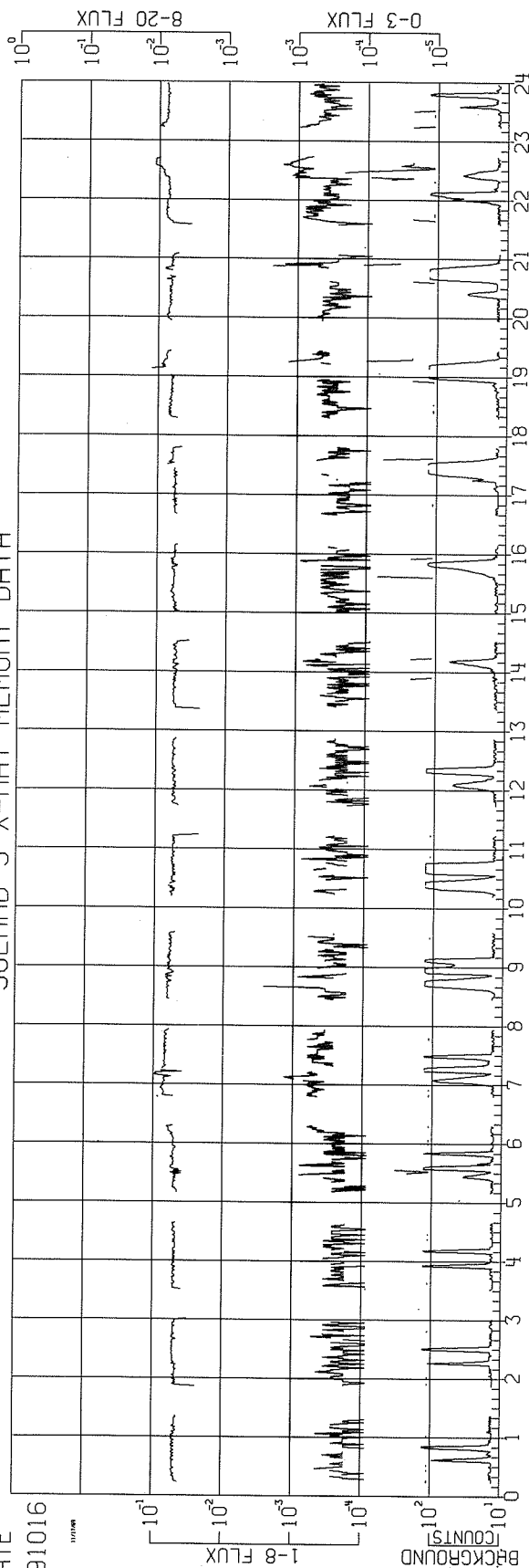
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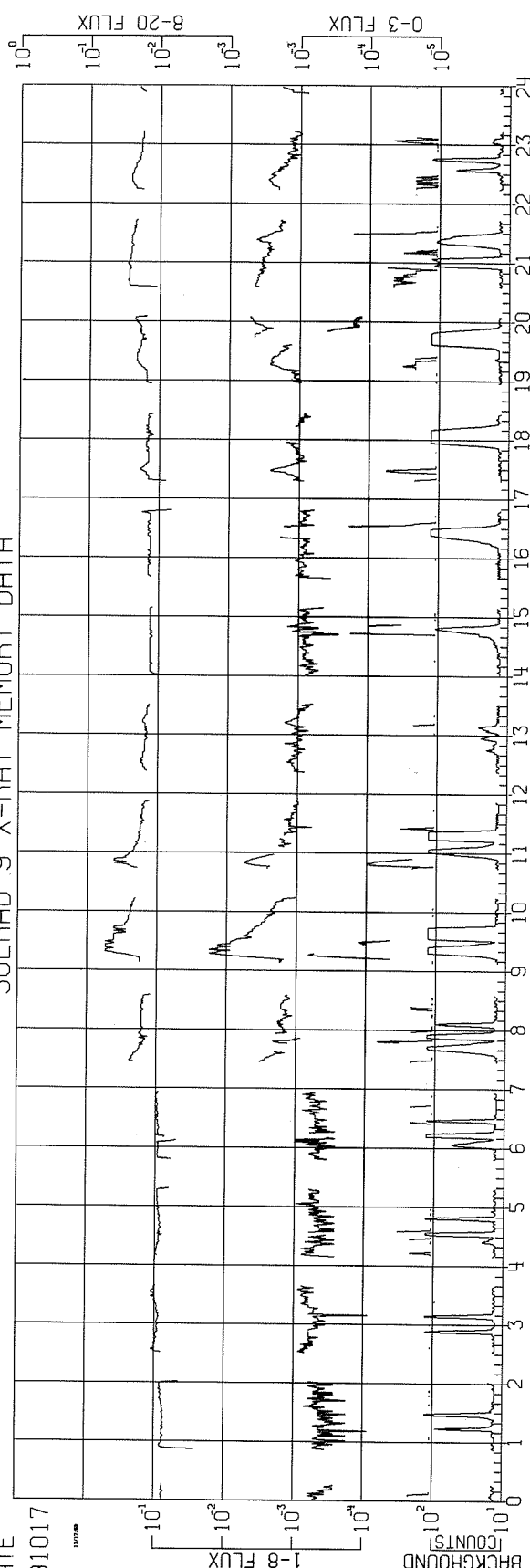
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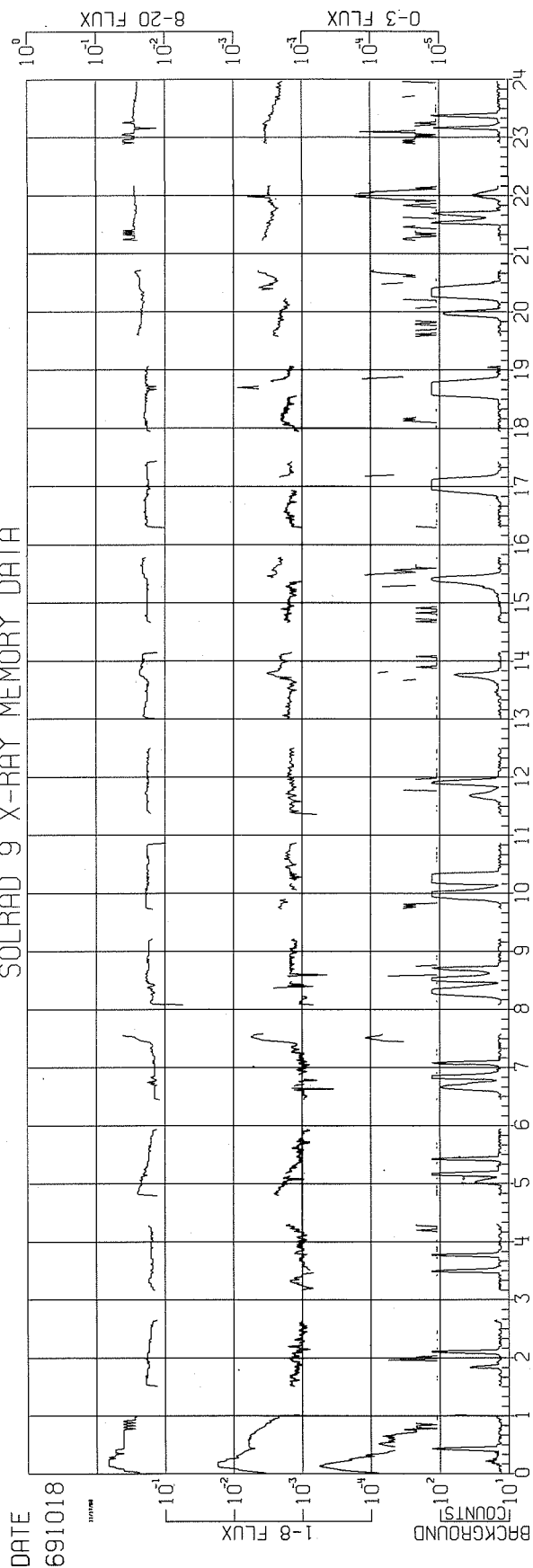


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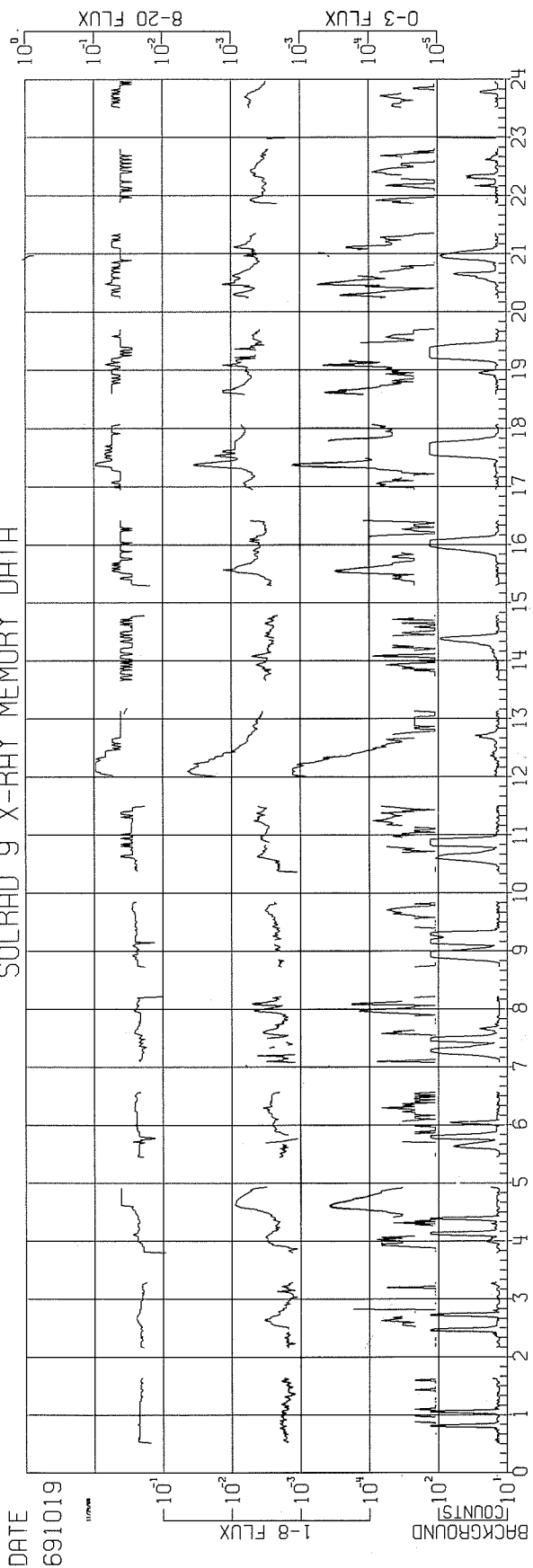
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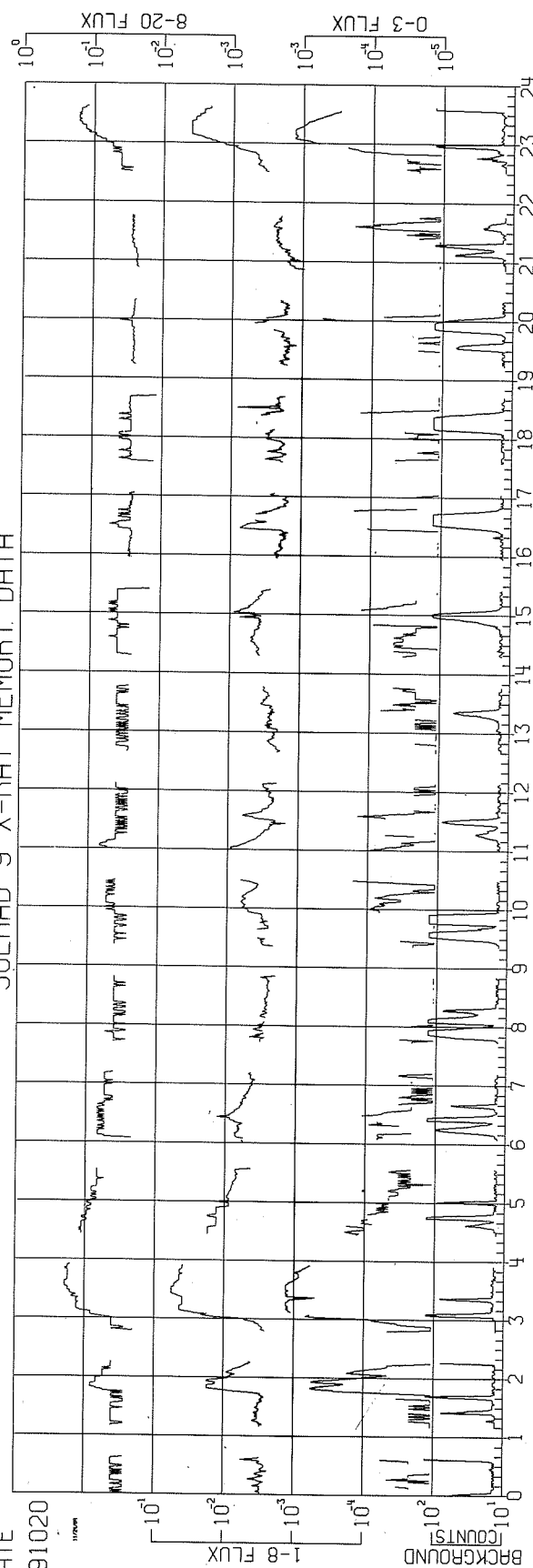


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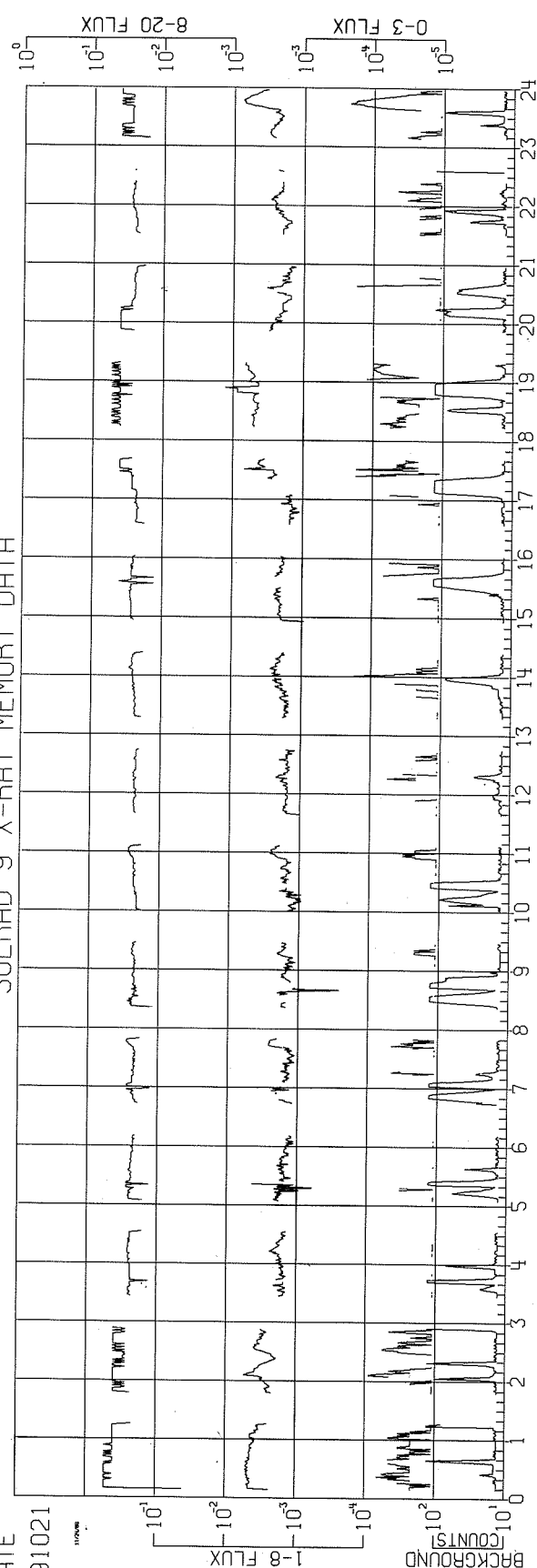
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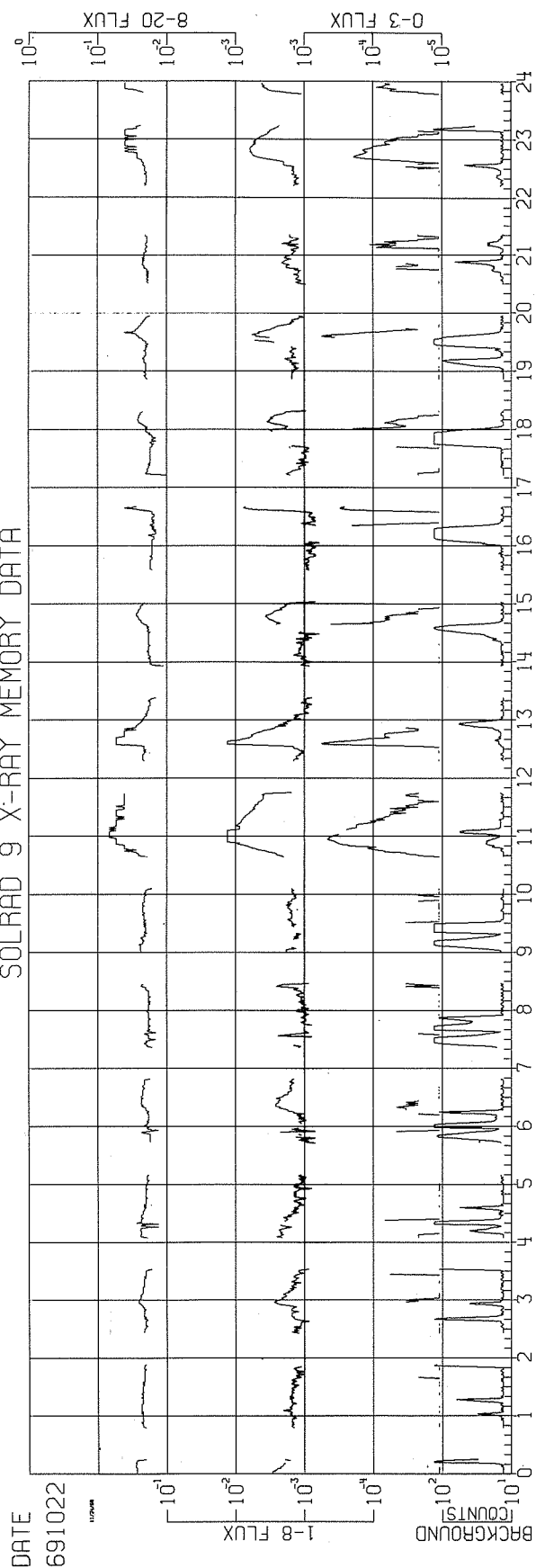


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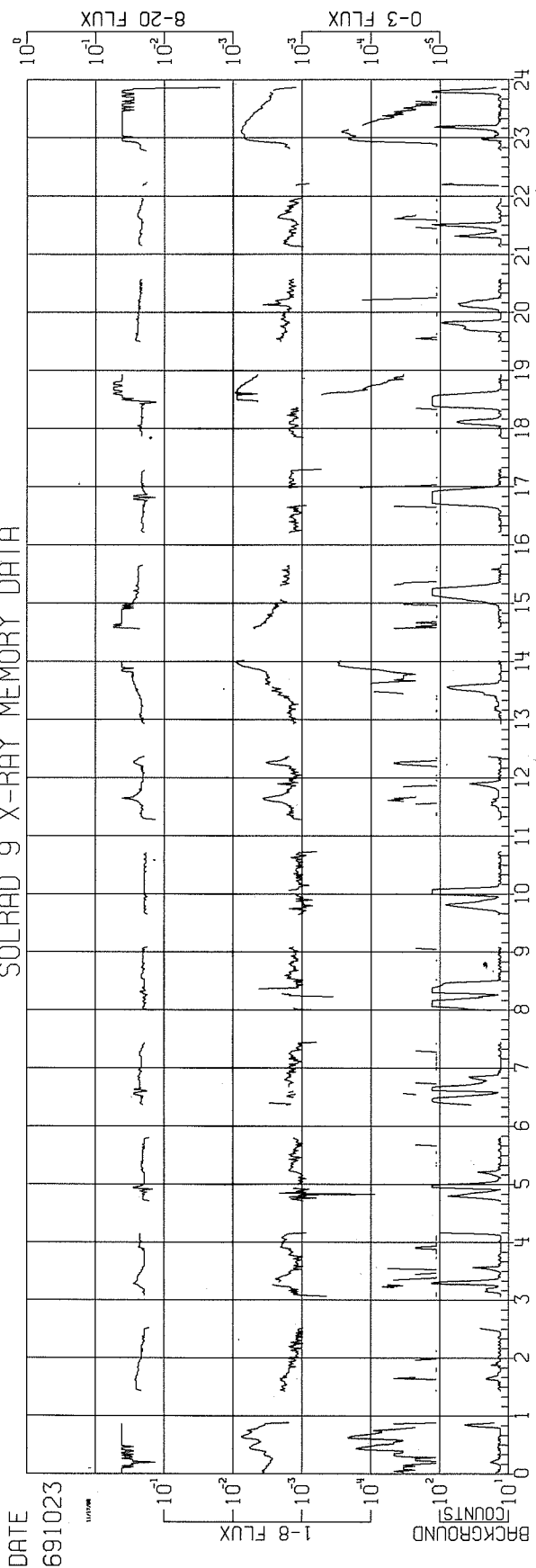
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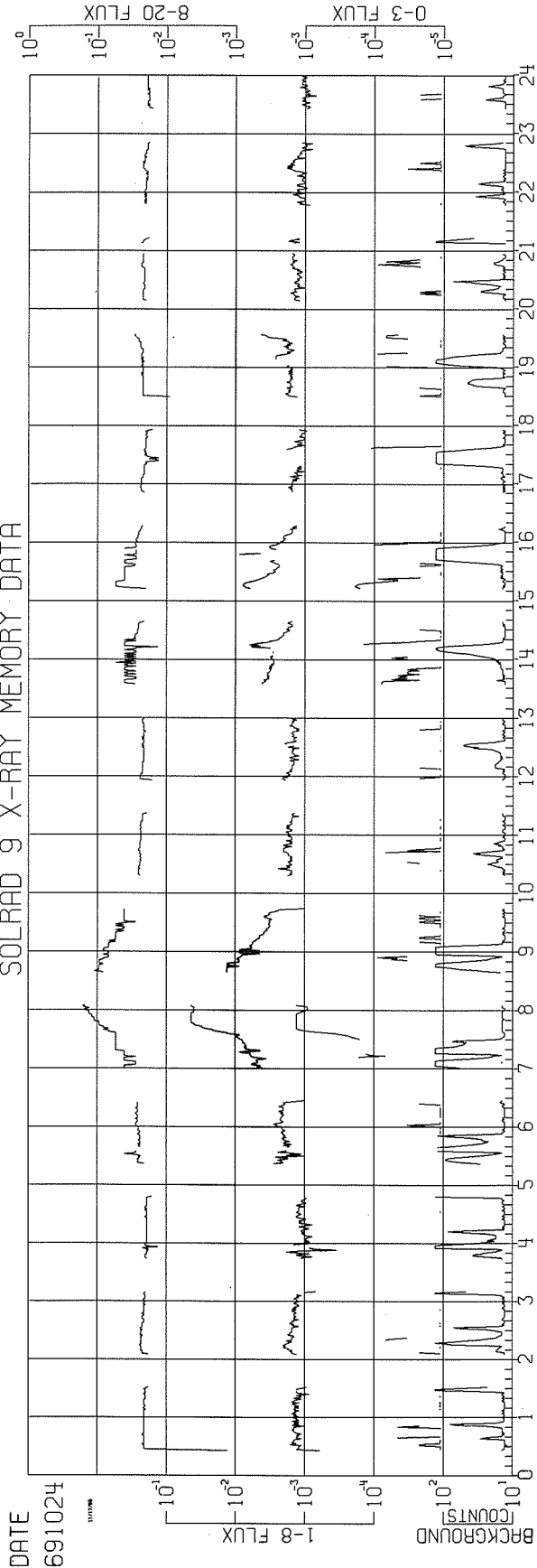
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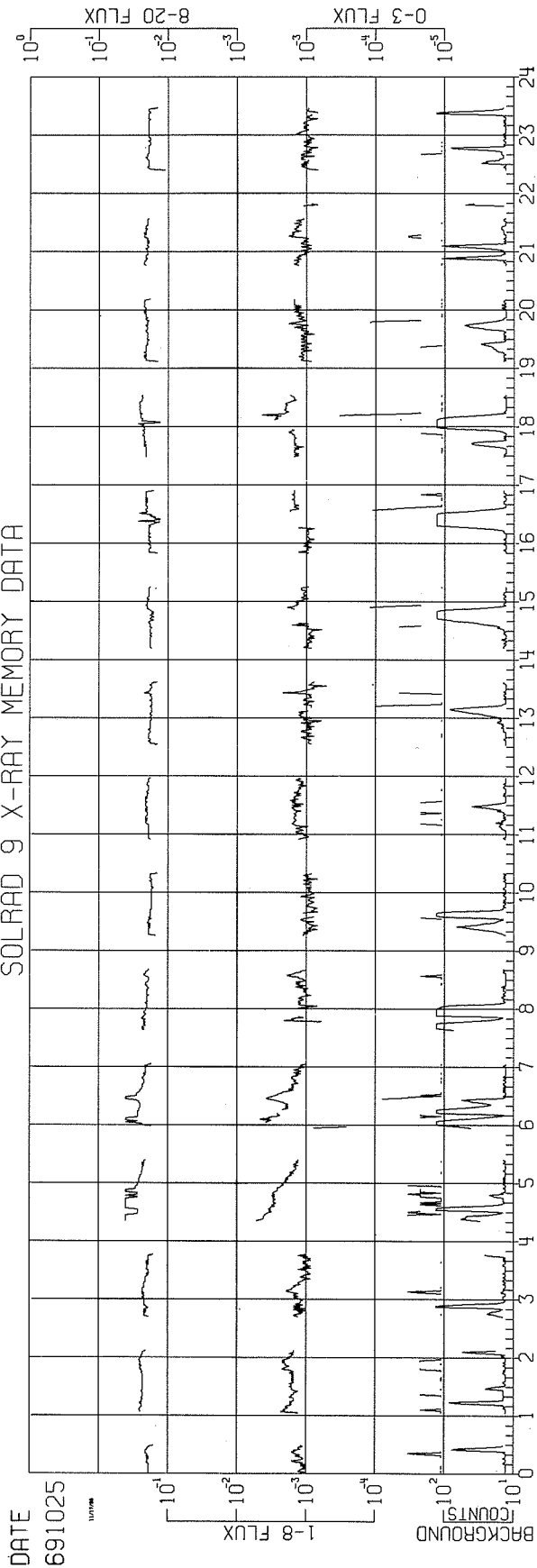
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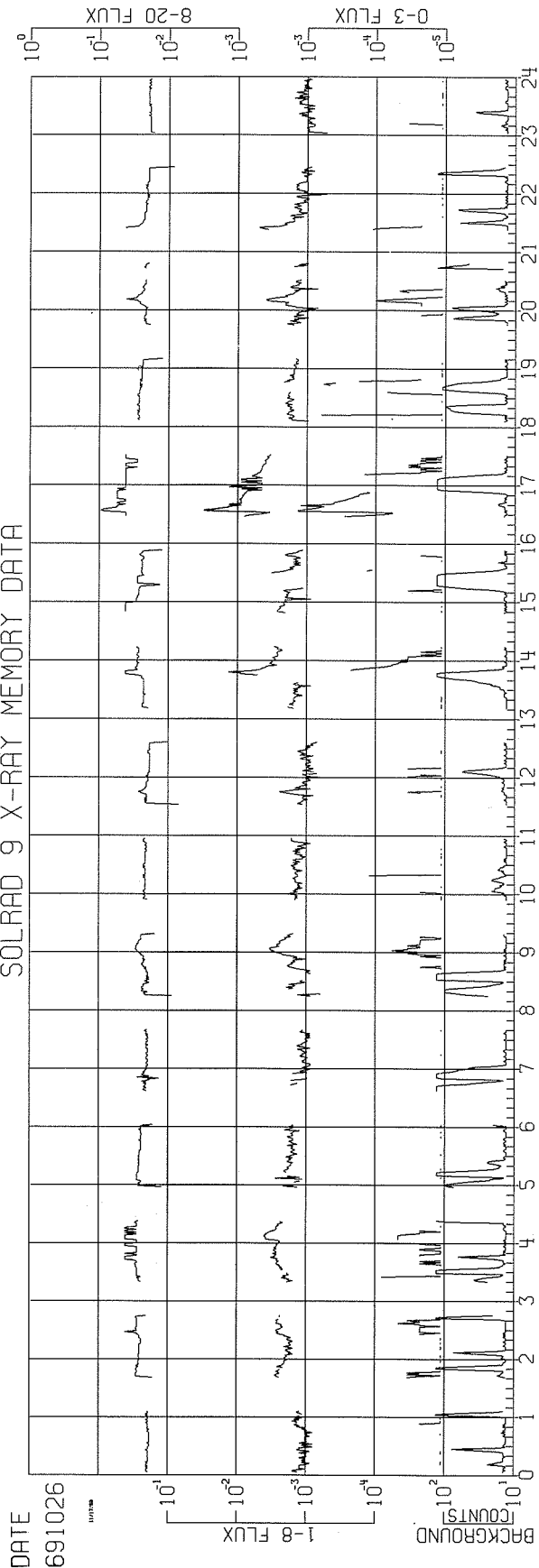
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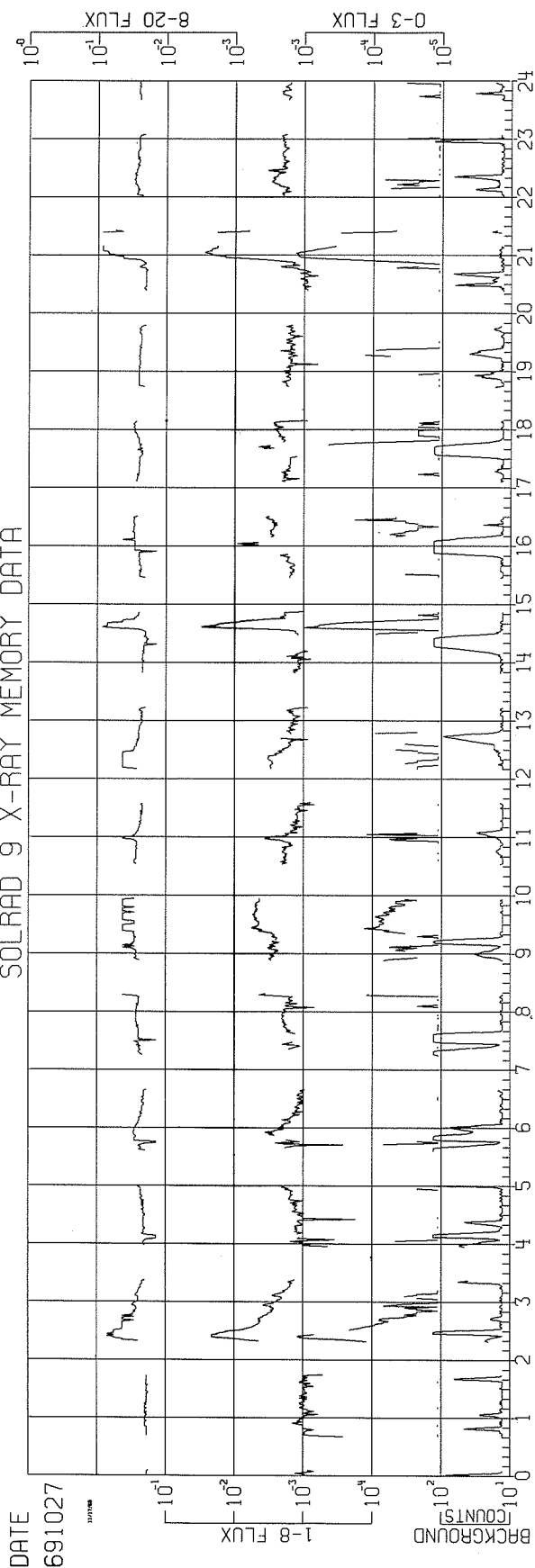
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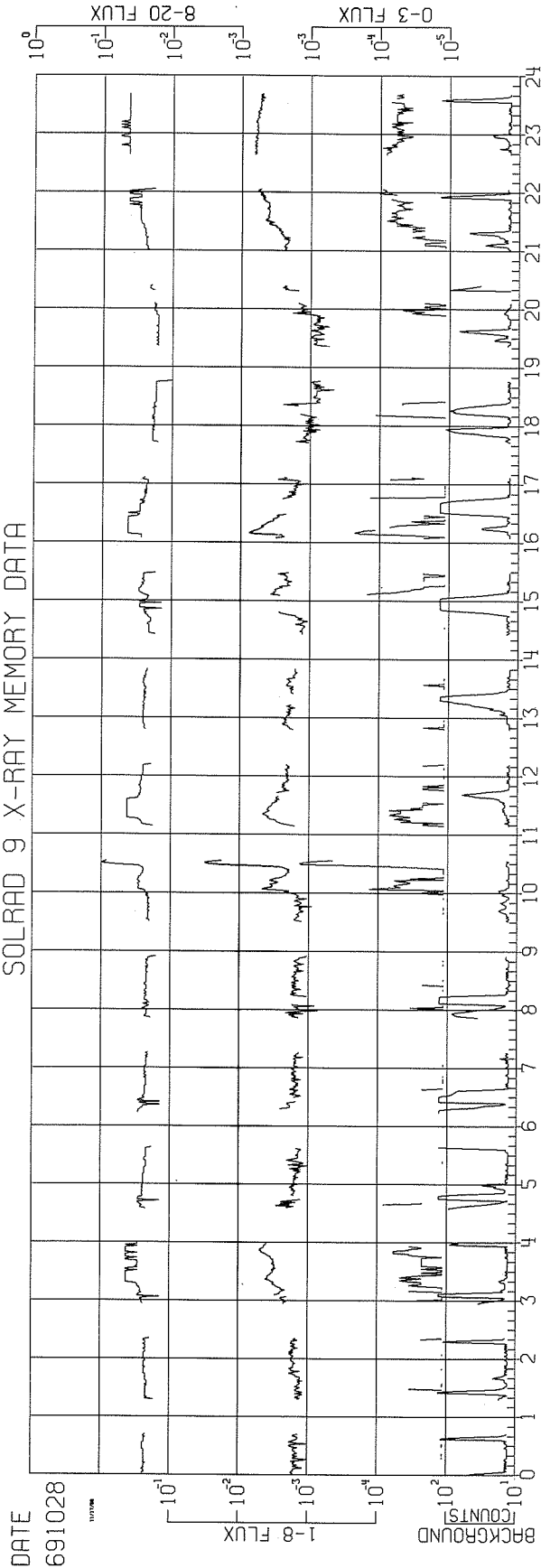
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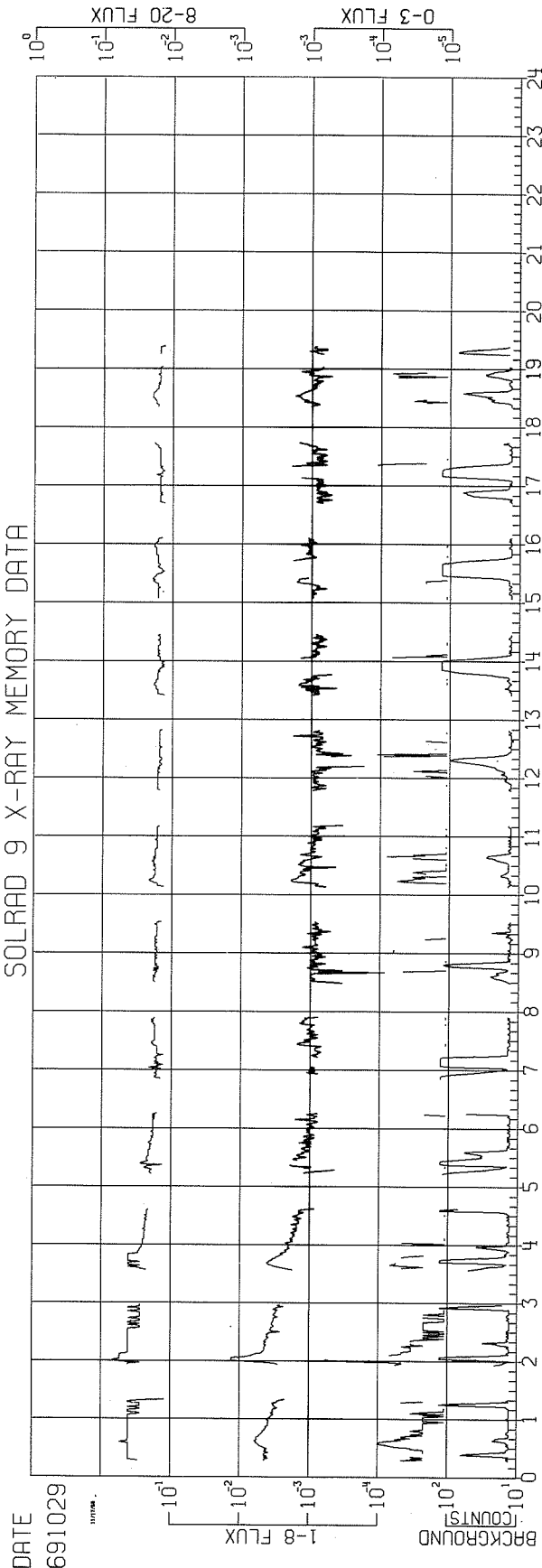
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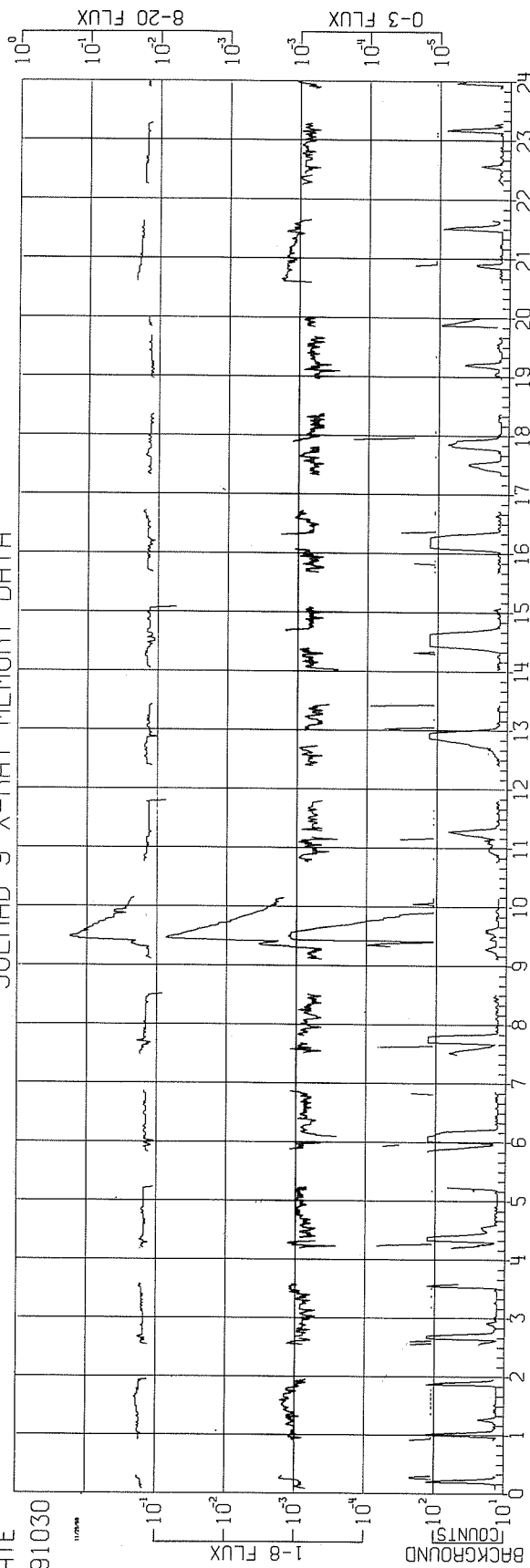
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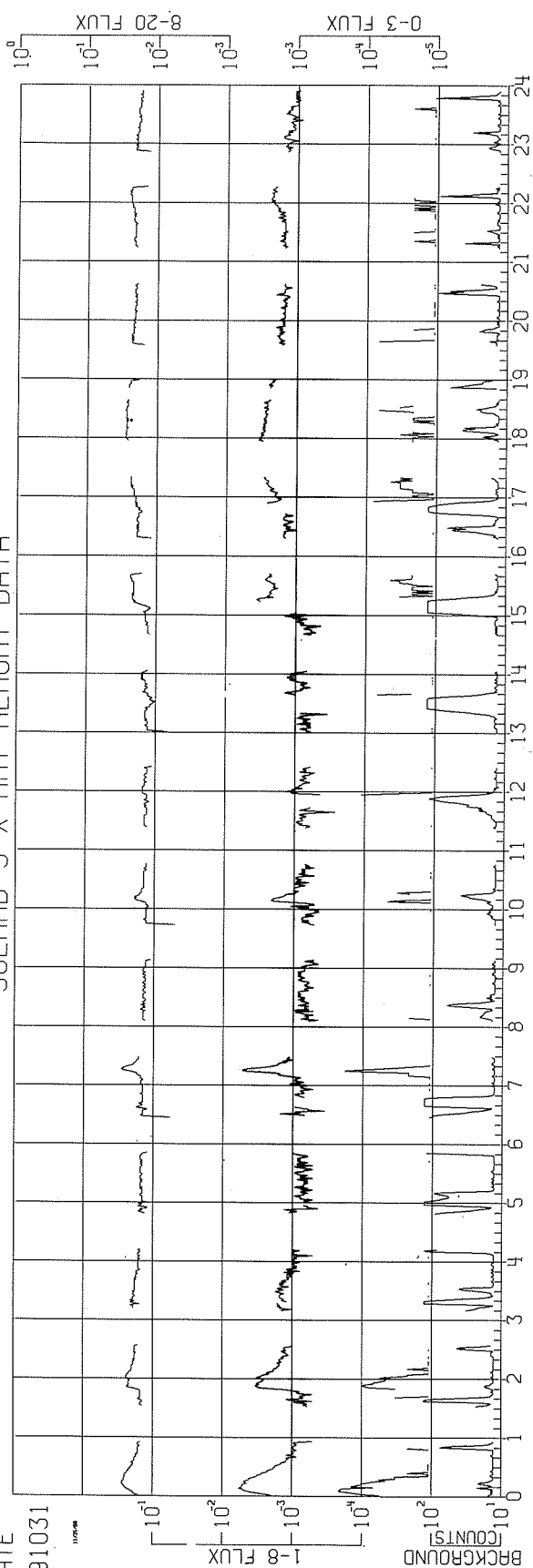
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SOLRAD 9 X-RAY MEMORY DATA

DATE

691031



OCTOBER 1969

PROTON ENERGY GREATER THAN 60 MEV. HOURLY AVERAGES. IMPG SOLAR PROTON MONITOR. JHU/APL AND GSFC

YEAR 1969

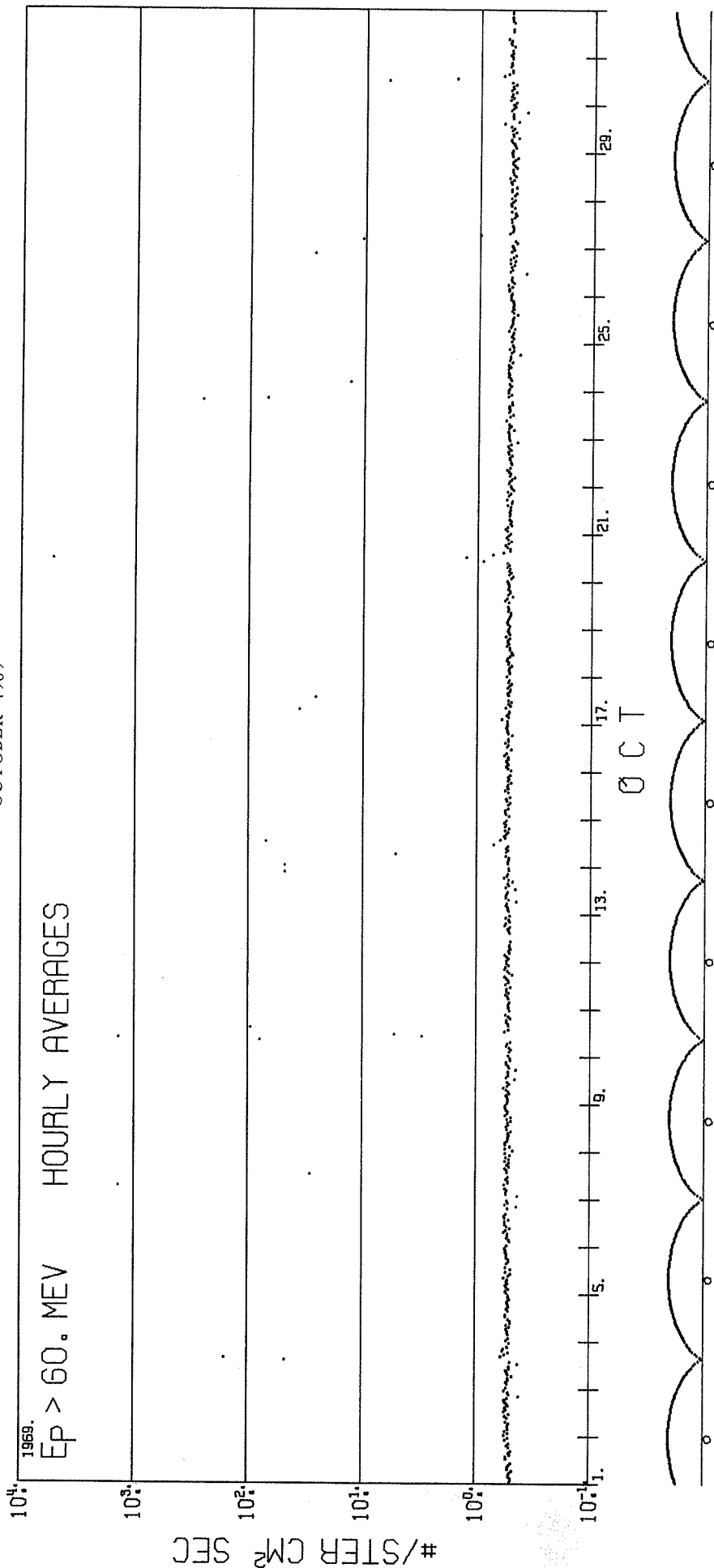
DATE DAY OF

Hour

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
10	1	274	0.50	0.49	0.49	0.51	0.50	0.50	0.43	0.52	0.51	0.49	0.54	0.54	0.50	0.51	0.49								
10	2	275	0.55	0.51	0.54	0.52	0.52	0.51	0.53	0.53	0.54	0.51	0.55	0.54	0.55	0.52	0.53	0.54	0.54	0.55	0.53	0.42	0.51	0.55	0.51
10	3	276	0.54	0.53	0.51	0.51	0.51	0.43	0.51	0.53	0.54	0.50	0.42	0.50	0.50	0.52	0.53	0.50	0.56	0.52	0.58	0.56	0.53	0.51	0.56
10	4	277	0.54	0.52	0.51	0.53	0.53	0.54	0.50	0.54	0.50	0.52	0.55	0.55		0.52	0.53	0.52	0.52	0.52	0.53	0.52	0.50	0.52	0.51
10	5	278	0.53	0.54	0.52	0.55	0.53	0.53	0.52	0.57	0.52	0.50	0.54	0.50	0.55	0.54	0.52	0.52	0.54	0.54	0.54	0.54	0.54	0.54	0.56
10	6	279	0.54	0.51	0.52	0.53	0.53	0.53	0.56	0.55	0.51	0.54	0.55	0.56	0.52	0.55	0.57	0.54	0.53	0.44	0.55	0.53	0.53	0.53	0.53
10	7	280	38932	0.44	0.54	0.55	0.54	0.55	1375	0.57	0.53	0.52	0.54	0.53	28.7	0.53	0.54	0.55	0.51	0.54	0.52	0.56	0.51	0.55	0.51
10	8	281	0.48	0.56	0.51	0.55	0.56	0.54	0.53	0.53	0.52	0.53	0.50	0.53	0.52	0.52	0.50	0.54	0.50	0.56	0.53	0.53	0.55	0.56	0.55
10	9	282	0.54	0.52	0.53	0.55	0.51	0.52	0.54	0.57	0.54	0.52	0.54	0.46	0.54	0.52	0.53	0.53	0.45	0.52	0.52	0.54	0.55	0.50	0.51
10	10	283	0.52	0.52	0.52	0.50	0.54	0.53	0.51	79.3	1366	3.01	5.28	0.57	0.53	94.6	0.52	0.53	0.55	0.54	0.51	0.52	0.56	0.52	0.52
10	11	284	0.53	0.52	0.52	0.52	0.52	0.53	0.55	0.53	0.55	0.55	0.51	0.55	0.53	0.52	0.55	0.56	0.48	0.52	0.54	0.57	0.56	0.52	0.55
10	12	285	0.54	0.52	0.54	0.57	0.52	0.52	0.51	0.52	0.52	0.50			0.52	0.52	0.52	0.53	0.52	0.57	0.55	0.52	0.52	0.56	0.51
10	13	286	0.54	0.53	0.54	0.54	0.56	0.35	0.45	0.52	0.56	0.56	0.54	0.53	0.45	0.56	0.52	0.54	0.49	0.52	0.57	0.54	0.53	0.53	0.53
10	14	287	47.4	0.53	0.53	0.53	0.52	0.56	5.11	0.55	0.55	0.53	0.72	70.0	0.62	0.56	0.58	0.56	0.54	0.56	0.53	0.57	0.55	0.57	0.56
10	15	288		0.53	0.55	0.56	0.53	0.52	0.55	0.53	0.52	0.55	0.52	0.54	0.57	0.54	0.54	0.53	0.51	0.54	0.52	0.53	0.53	0.52	0.52
10	16	289	0.51	0.54	0.56	0.53	0.55	0.56	0.53	0.54	0.57	0.56	0.50	0.55	0.54	0.57	0.53	0.54		0.50	0.54	0.54	0.54	0.55	0.54
10	17	290	0.55	0.55	0.62	0.54	0.56	0.54	0.52	35.7	0.57	0.52	0.54	0.51	0.53	26.0	0.54	0.54	0.53	0.51	0.55	0.52	0.51	0.53	0.52
10	18	291	0.56	0.53	0.53	0.54	0.51	0.54	0.53	0.55	0.54	0.52	0.50	0.51	0.52	0.53	0.55	0.53	0.55	0.54	0.53	0.56	0.53	0.53	0.54
10	19	292	0.53	0.53	0.55	0.54	0.54	0.52	0.52	0.55	0.55	0.54	0.54	0.54	0.53	0.55	0.55	0.49	0.55	0.52	0.52	0.55	0.53	0.53	0.55
10	20	293	0.56	0.52	0.50	0.54	0.52	0.56	0.53	0.54	0.52	0.55	0.55	0.54	0.54	0.53	0.55	0.53	0.55	0.58	0.55	0.52	0.55	0.56	0.55
10	21	294	0.53	0.55	0.57	0.51	0.52	0.52	0.54	0.54	0.53	0.54	0.53	0.53	0.55	0.56	0.52	0.51	0.57	0.54	0.52	0.56	0.50	0.51	0.51
10	22	295	0.52	0.54	0.53	0.51	0.54	0.54	0.56	0.54	0.56	0.54	0.52	0.54	0.53	0.55	0.55	0.56	0.53	0.55	0.56	0.53	0.46	0.54	0.54
10	23	296	0.55	0.55	0.54	0.56	0.50	0.55	0.52	0.54	0.58	0.58	0.54	0.50	0.55	0.54	0.54	0.55	0.52	0.52	0.55	0.69.7	0.56	0.52	0.56
10	24	297	0.56	0.54	0.52	0.55	13.2	0.52	0.53	0.56	0.55	0.56	0.56	0.54	0.55	0.51	0.55	0.54	0.53	0.44	0.53	0.51	0.54	0.51	0.51
10	25	298		0.53	0.51	0.52	0.50	0.54	0.52	0.50	0.54	0.52	0.51	0.52	0.51	0.47	0.50	0.53	0.50	0.52	0.51	0.51	0.52	0.54	0.53
10	26	299	0.54	0.52	0.56	0.55	0.52	0.57	0.50	0.53	0.54	0.53	0.40	0.55	0.53	0.53	0.50	0.54	0.50	0.54	0.52	0.49	27.3	0.53	0.50
10	27	300	0.52	0.52	0.48	0.50	1.0.5	0.99	0.55	0.52	0.52	0.52	0.52	0.54	0.54	0.51	0.49	0.50	0.54		0.51	0.53	0.54	0.53	0.53
10	28	301	0.51	0.54	0.51	0.49	0.54	0.53	0.49	0.53	0.55	0.52	0.55	0.50	0.52	0.52	0.53	0.49	0.51	0.53	0.53	0.51	0.48	0.53	0.54
10	29	302	0.53	0.52	0.53	0.50	0.51	0.54	0.54	0.47	0.53	0.52	0.50	0.53	0.52	0.46.3	0.47	0.52	0.53	0.52	0.39	0.56	0.52	0.51	0.51
10	30	303	0.52	0.50	0.55	0.53	0.54	0.55	0.52	0.53	0.50	0.54	5.40	1.62	0.64	0.58	0.54	0.53	0.56	0.55	0.55	0.55	0.55	0.55	0.54
10	31	304	0.54	0.55	0.54	0.53	0.52	0.54	0.55	0.55	0.55	0.58	0.53	0.53	0.53	0.53	0.54	0.54	0.52	0.54	0.53	0.53	0.54	0.54	0.54

SOLAR PROTONS BY SATELLITE
EXPLORER 41 (1969-53A)

OCTOBER 1969



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OCTOBER 1969

PROTON ENERGY GREATER THAN 30 MEV. HOURLY AVERAGES. IMPG SOLAR PROTON MONITOR. JHU/APL AND GSEC

YEAR 1969

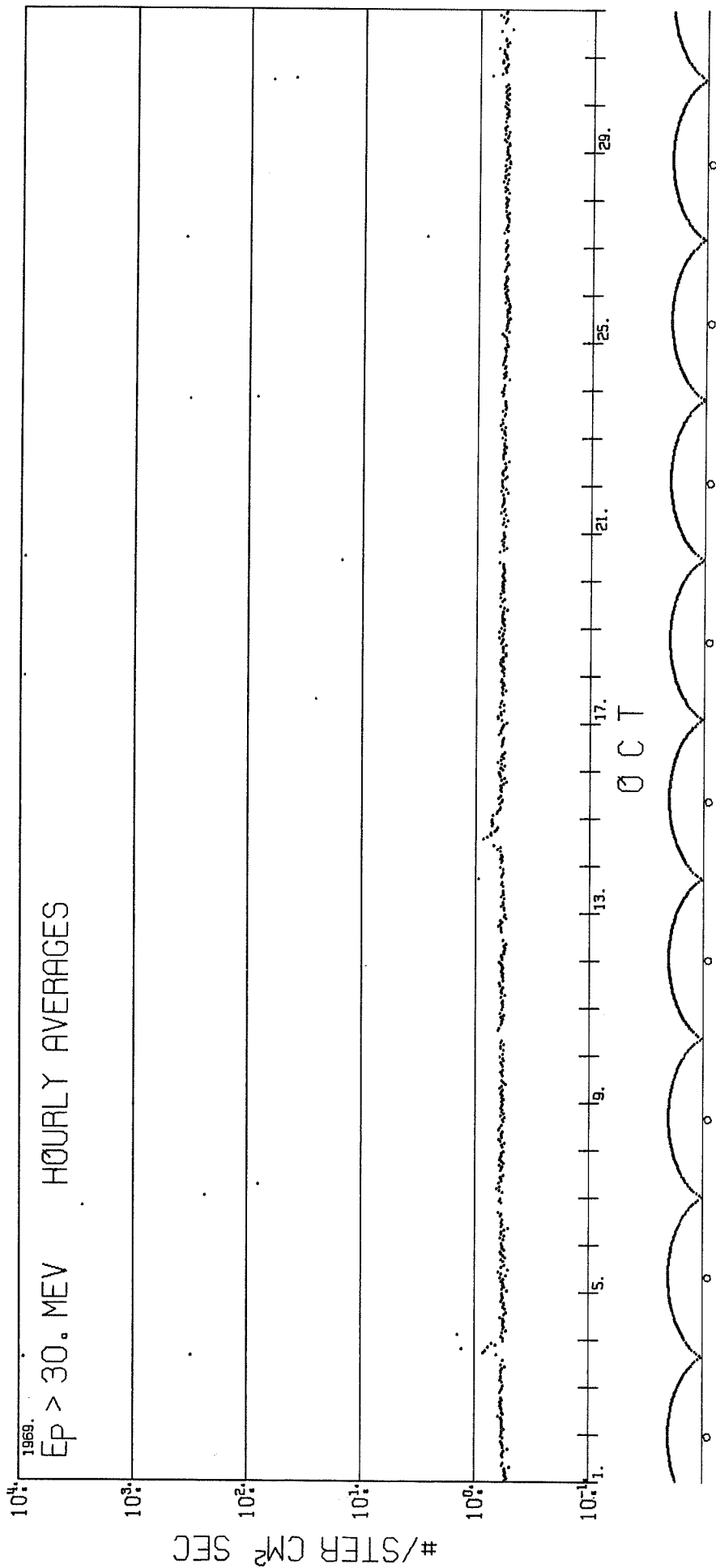
DATE DAY
OF

HOUR

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24													
10 1	274	0.55	0.53	0.54	0.53	0.54	0.55	0.49	0.57	0.56														0.57	0.58	0.57	0.56	0.52	0.57	0.57	0.58	0.59	0.57	0.59			
10 2	275	0.58	0.58	0.58	0.58	0.57	0.59	0.58	0.59	0.63	0.57	0.58	0.53	0.53	0.59	0.60	0.59	0.60	0.58	0.60					0.60	0.59	0.58										
10 3	276	0.57	0.58		0.60	0.59	0.59	0.50		0.59	0.58	0.54	0.59	0.57		310	0.65	0.86	0.82	1.31	0.77	0.66	0.72	0.57													
10 4	277	0.57	0.59	1.43	0.58	0.54	0.57	0.56	0.57	0.56	0.57	0.60	0.56	0.53														0.55	0.57	0.56	0.56	0.59	0.58	0.57	0.57	0.58	
10 5	278	0.53	0.58	0.56	0.57	0.56	0.59	0.57	0.50	0.54	0.59	0.62	0.51	0.59	0.56														0.57	0.59	0.55	0.57	0.59	0.60	0.55	0.58	0.58
10 6	279	0.59	0.56		0.60	0.56	0.59	0.59	0.56	0.52	0.59	0.58	0.59	0.58														0.57	0.59	0.62	2765		0.59	0.62	0.60		
10 7	280	236	0.58		0.61	0.65	0.61	80.1	0.63	0.59	0.59	0.60	0.56	4789	0.61	0.59	0.58	0.61	0.56	0.59	0.61	0.60	0.60	0.59	0.57												
10 8	281	0.58		0.59	0.56	0.60	0.62	0.59	0.59	0.59	0.57	0.63	0.62	0.59														0.57	0.58	0.56	0.60	0.57	0.59	0.58	0.59	0.58	
10 9	282	0.52	0.59	0.57	0.60	0.59	0.58	0.61	0.59	0.55	0.57	0.59														0.58	0.59	0.60	0.58	0.58		0.59	0.60	0.59	0.58		
10 10	283	0.58	0.57		0.60	0.60	0.57	0.60	0.59	0.54		0.63														0.60	0.59	0.58	0.60	0.57	0.61	0.60	0.60	0.60			
10 11	284	0.58	0.57		0.59	0.58	0.60		0.56	0.59	0.61	0.59	0.57	0.61	0.63	0.58	0.58	0.59	0.58	0.60	0.59	0.58	0.59	0.60	0.62												
10 12	285	0.59	0.59	0.60	0.57	0.56	0.56	0.57	0.55	0.58															0.60	0.60	0.60	0.60	0.59	0.61	0.55	0.57	0.58	0.61			
10 13	286	0.56		0.57	0.60	0.57	0.58	0.57		0.60	0.58	0.58	0.57														0.58	0.60	0.59	0.96		0.60	0.60	0.57	0.58	0.61	
10 14	287	0.61		0.58	0.62	0.59	0.60	0.52		0.65	0.61	0.70														0.85	0.80	0.74	0.74	0.69	0.66	0.65	0.72	0.72	0.73	0.74	
10 15	288	0.72		0.67	0.65	0.63	0.62	0.52		0.60	0.59	0.64	0.61														0.61	0.61	0.60	0.61	0.58	0.55	0.60	0.57	0.61	0.62	0.63
10 16	289	0.60	0.61	0.57	0.61	0.65	0.61	0.58	0.60	0.59	0.57	0.50		0.58	0.59	0.59	0.58			0.64	0.61	0.62	0.60	0.59	0.58												
10 17	290	0.55	0.60	0.65	0.65	0.65	0.62	0.62	0.58	0.62		0.57	0.61	0.61	25.3	0.59		0.60	0.55	0.59	0.60	0.58	0.59	0.61	0.60	0.59	0.58	0.57									
10 18	291	0.57	0.58	0.61	0.58	0.59	0.61	0.62	0.59	0.61	0.59	0.56	0.56	0.59	0.59	0.59	0.56	0.62	0.60	0.59	0.64	0.60	0.59	0.64	0.58												
10 19	292	0.61	0.53	0.59	0.60	0.58	0.60	0.60	0.59	0.60	0.55	0.58	0.62														0.60	0.58	0.63	0.62	0.59	0.60	0.59	0.60	0.59	0.60	
10 20	293	0.58	0.59	0.60	0.59	0.58	0.58	0.53	0.59	0.59	0.64	15.030639														0.64	0.59	0.55	0.59	0.60	0.59	0.62	0.59	0.58	0.59		
10 21	294	0.59	0.57		0.61	0.59	0.55	0.59	0.57		0.63	0.59	0.57	0.62	0.60	0.59	0.59	0.59	0.59	0.59	0.60	0.59	0.60	0.59	0.60	0.55	0.63	0.57	0.60								
10 22	295	0.61	0.61	0.61	0.58	0.55	0.61	0.62	0.60	0.58	0.57	0.58		0.53	0.60	0.60	0.58	0.59	0.59	0.59	0.57	0.59	0.60	0.58	0.58												
10 23	296	0.62	0.58	0.59	0.59	0.63	0.58	0.53	0.61	0.61															0.59	0.58	0.61	0.58	0.57	0.58	0.58	0.33	84.3	0.61	0.60	0.62	
10 24	297	0.60	0.61	0.59	0.54		0.60	0.57	0.60	0.59	0.59		0.60	0.59														0.58	0.58	0.62	0.60	0.59	0.59	0.58	0.57	0.58	
10 25	298	0.57		0.58	0.60	0.62	0.55	0.58	0.57	0.57	0.56	0.59	0.58														0.59	0.58	0.62	0.60	0.59	0.59	0.58	0.58	0.55	0.57	
10 26	299	0.57	0.59	0.55	0.61	0.53	0.61	0.59	0.53	0.57	0.57	0.56	0.55	0.53	0.56	0.57	0.55	0.57	0.55	0.54	0.55	0.58	0.56	0.56	0.58												
10 27	300	0.57	0.57	0.59	0.58	366	2.86	0.51		0.55	0.59	0.58	0.56														0.60	0.59	0.58	0.56	0.57	0.59	0.58	0.57	0.59	0.59	
10 28	301	0.57	0.59	0.55		0.60	0.58	0.55		0.60	0.58	0.58														0.56	0.56	0.58	0.58	0.56	0.59	0.59		0.57	0.52	0.57	
10 29	302	0.58	0.58	0.58	0.56	0.56	0.58	0.52	0.58	0.57	0.61	0.56	0.60	0.62	0.59														0.59	0.57	0.59	0.55	0.55	0.55	0.55	0.58	0.58
10 30	303	0.58	0.60	0.57	0.59	0.59	0.57	0.60	0.59	0.57	0.60	0.56	0.60	0.62	0.59	0.60		0.59	0.57	0.59	0.57	0.57	0.57	0.57	0.59	0.61											
10 31	304	0.61	0.60	0.63	0.62	0.69	0.60	0.59	0.56	0.60	0.60	63.4		40.5	0.78	0.65	0.60	0.60	0.62	0.59	0.57	0.63	0.64	0.60	0.60	0.59	0.57	0.59									

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EXPLORER 41 (1969-53A)

OCTOBER 1969

PROTON ENERGY GREATER THAN 1.0 MEV. HOURLY AVERAGES. IMPG SOLAR PROTON MONITOR. JHU/APL AND GSEC

YEAR 1969

DATE DAY
OF

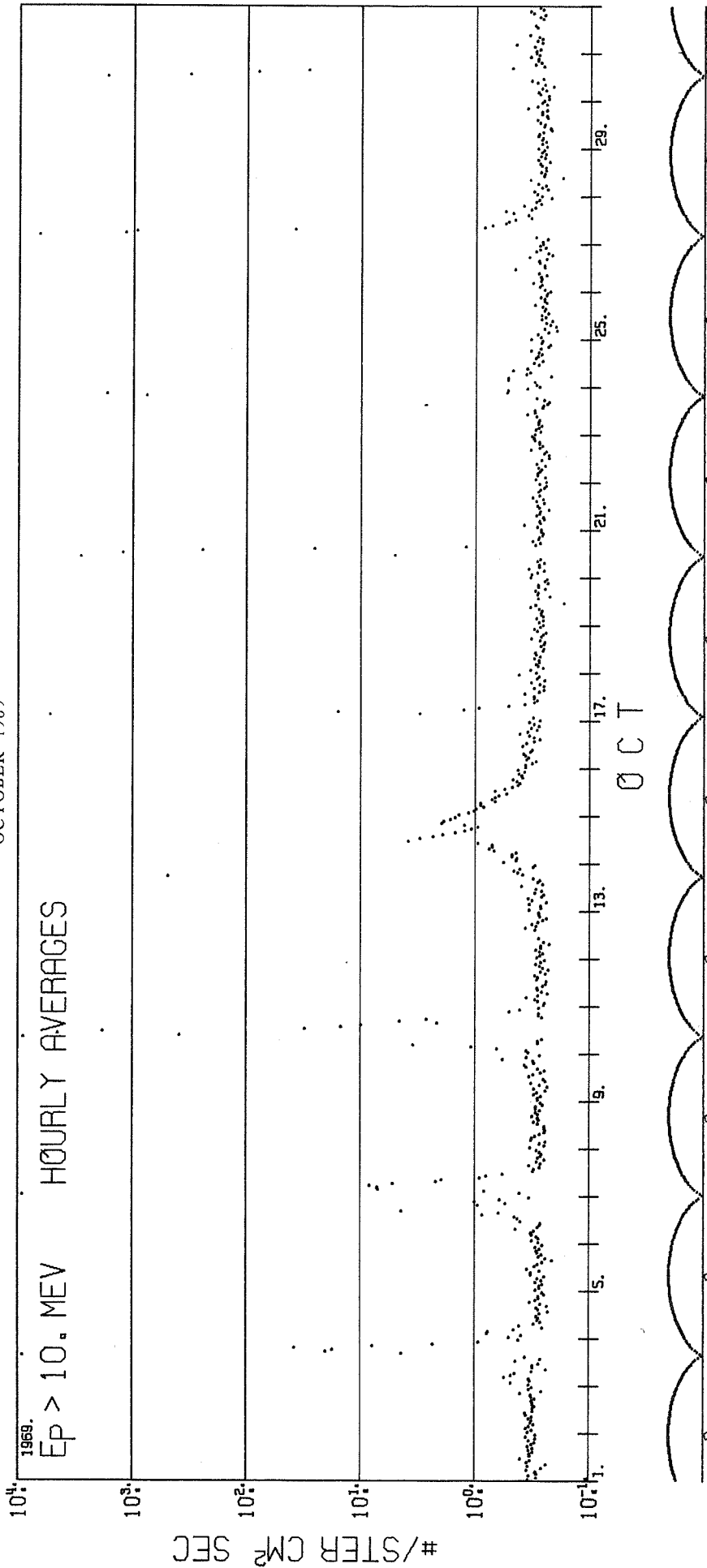
HOURLY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
10	1	274	0.35	0.29	0.34	0.29	0.29	0.35	0.24	0.34	0.35	0.33	0.40	0.33	0.33	0.31	0.34	0.32	0.34	0.32	0.30	0.34	0.29	0.36	0.29
10	2	275	0.34	0.32	0.36	0.34	0.30	0.33	0.32	0.34	0.32	0.36	0.31	0.31	0.30	0.31	0.32	0.32	0.30	0.32	0.33	0.40	0.26	0.34	0.32
10	3	276	0.34	0.49	0.33	0.34	0.56	0.49	0.45	0.32	0.24	0.31	0.31	0.28	0.44	0.27	0.36	1.58	2.1	4.40	20.2	17.7	38.2	7.85	2.37
10	4	277	0.50	0.39	0.79	0.77	0.46	0.26	0.41	0.31	0.27	0.28	0.28	0.29	0.27	0.23	0.28	0.29	0.23	0.33	0.29	0.28	0.28	0.25	0.26
10	5	278	0.29	0.27	0.27	0.26	0.30	0.26	0.28	0.25	0.33	0.32	0.27	0.35	0.30	0.29	0.26	0.21	0.24	0.28	0.29	0.27	0.29	0.26	
10	6	279	0.28	0.32	0.28	0.29	0.32	0.33	0.31	0.45	0.28	0.27	0.27	0.40	0.42	0.45	0.86	0.63	4.44		0.95	0.55	1.02	0.61	
10	7	280	1.51	28	0.41	0.83	6.96	7.13	8.29	5.25	2.24	1.97	0.91	0.80	0.58	0.32	0.31	0.28	0.34	0.27	0.29	0.25	0.28	0.27	0.29
10	8	281	0.33	0.25	0.27	0.25	0.33	0.32	0.30	0.27	0.25	0.25	0.25	0.25	0.31	0.28	0.29	0.32	0.29	0.29	0.27	0.30	0.29	0.26	
10	9	282	0.29	0.28	0.27	0.31	0.29	0.25	0.31	0.23	0.28	0.32	0.24	0.25	0.34	0.31	0.27	0.25	0.28	0.36	0.37	0.31	0.31	0.57	
10	10	283	0.34	0.36	0.65	1.08	3.49	0.28	0.29	0.26	8.96	388.	4.46	18.24	30.8	14.8	9.98	2.18	4.61	2.68	0.27	0.28	0.28	0.51	
10	11	284	0.26	0.25	0.29	0.30	0.36	0.28	0.23	0.25	0.29	0.29	0.26	0.24	0.24	0.29	0.29	0.30	0.24	0.27	0.23	0.26	0.27	0.25	
10	12	285	0.29	0.27	0.26	0.27	0.29	0.27	0.27	0.27	0.23	0.25	0.28			0.30	0.36	0.30	0.32	0.28	0.26	0.24	0.27	0.28	
10	13	286	0.34	0.27	0.27	0.34	0.24	0.32	0.35	0.25	0.26	0.30	0.39	0.25	0.25	0.28	0.27	0.31	4.89	0.39	0.43	0.46	0.41	0.31	
10	14	287	0.57	0.44	0.43	0.48	0.48	0.44	0.69	0.75	0.72	0.71	0.95	3.85	3.05	2.33	1.94	1.50	1.26	1.09	0.95	1.25	1.99	1.92	
10	15	288	1.40	1.16	1.02	1.00	0.85	0.89	0.90	0.67	0.72	0.67	0.63	0.53	0.67	0.56	0.47	0.42	0.41	0.43	0.47	0.39	0.40	0.41	
10	16	289	0.37	0.37	0.32	0.29	0.36	0.34	0.37	0.38	0.33	0.32	0.39	0.36	0.30	0.27	0.31	0.34	0.41	0.35	0.29	0.33	0.28	0.31	
10	17	290	0.27	0.32	0.27	3.09	15.6	1.26	0.93	0.51	0.38	0.31	0.29	0.31	0.31	0.37	0.28	0.25	0.31	0.25	0.27	0.32	0.25	0.29	
10	18	291	0.30	0.33	0.26	0.28	0.30	0.28	0.28	0.28	0.31	0.28	0.29	0.30	0.26	0.25	0.27	0.25	0.28	0.30	0.25	0.29	0.28	0.31	
10	19	292	0.26	0.28	0.26	0.29	0.26	0.27	0.27	0.26	0.28	0.33	0.30	0.17	0.28	0.23	0.29	0.28	0.30	0.25	0.29	0.28	0.24	0.25	
10	20	293	0.33	0.33	0.29	0.25	0.34	0.28	0.28	0.25	0.29	0.27	2.83	5.11	1.22	2.42	25.6	1.21	0.30	0.27	0.32	0.28	0.27	0.26	
10	21	294	0.27	0.29	0.38	0.27	0.28	0.27	0.28	0.27	0.28	0.27	0.23	0.28	0.29	0.25	0.29	0.26	0.32	0.28	0.28	0.27	0.26	0.27	
10	22	295	0.24	0.30	0.25	0.29	0.29	0.28	0.25	0.25	0.30	0.28	0.27	0.23	0.23	0.25	0.24	0.33	0.28	0.26	0.28	0.31	0.32	0.33	
10	23	296	0.31	0.27	0.30	0.28	0.27	0.28	0.29	0.28	0.30		0.27	0.23	0.31	0.26	0.26	0.24	0.23	0.25	0.29	7.55	1.69	1.53	
10	24	297	0.28	0.29	0.31	0.53	0.53	0.22	0.36	0.34	0.48	0.35	0.29	0.31	0.26	0.30	0.29	0.27	0.28	0.33	0.27	0.23	0.23	0.27	
10	25	298	0.33	0.27	0.29	0.23	0.20	0.25	0.20	0.23	0.24	0.22	0.27	0.25	0.27	0.23	0.25	0.25	0.26	0.30	0.24	0.25	0.26	0.27	
10	26	299	0.23	0.26	0.28	0.27	0.32	0.27	0.27	0.27	0.24	0.29	0.46	0.25	0.25	0.28	0.28	0.24	0.35	0.22	0.24	0.30	0.28	0.25	
10	27	300	0.26	0.26	0.24	0.30	6.58	1.17	9.31	37.8	0.85	0.74	0.56	0.52	0.46	0.33	0.35	0.48	0.56	0.33	0.31	0.39	0.28	0.30	
10	28	301	0.27	0.30	0.31	0.24	0.27	0.25	0.29	0.34	0.18	0.26	0.25	0.27	0.25	0.25	0.27	0.28	0.23	0.29	0.25	0.27	0.25	0.27	
10	29	302	0.29	0.25	0.27	0.25	0.27	0.26	0.29	0.28	0.26	0.22	0.23	0.26	0.25	0.28	0.29	0.24	0.25	0.27	0.27	0.25	0.36	0.30	
10	30	303	0.26	0.24	0.24	0.28	0.29	0.25	0.27	0.21	0.25	0.30	0.33	0.26	1.59	2.17	80.2	28.9	0.49	0.26	0.31	0.27	0.29	0.34	
10	31	304	0.30	0.30	0.28	0.31	0.45	0.27	0.30	0.27	0.29	0.34			0.30	0.31			0.26	0.28	0.26	0.32	0.34	0.26	

SOLAR PROTONS BY SATELLITE EXPLORER 41 (1969-53A)

86
Oct 69

OCTOBER 1969



IMP G SPME

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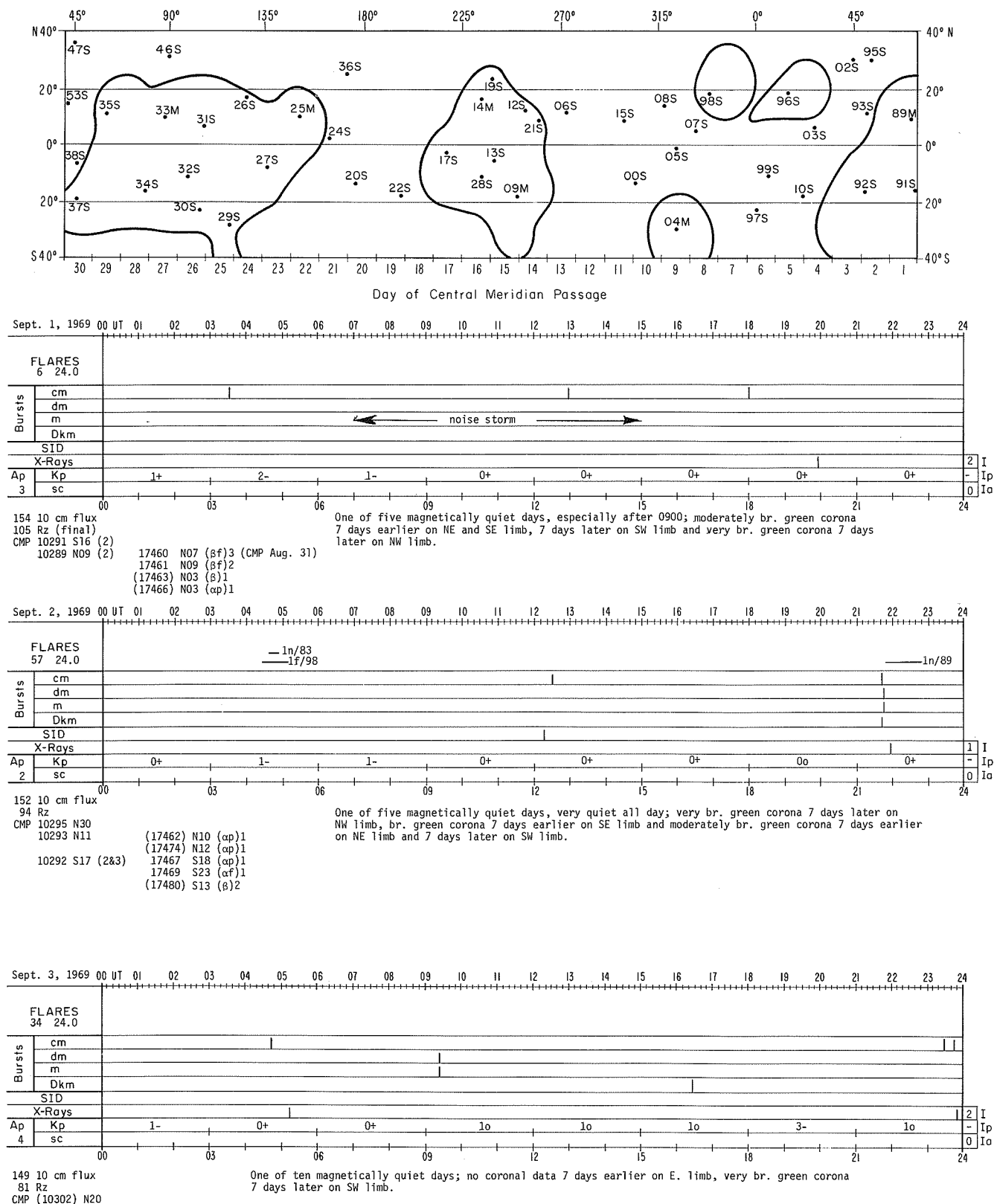
Table of Contents
for September 1969 Data

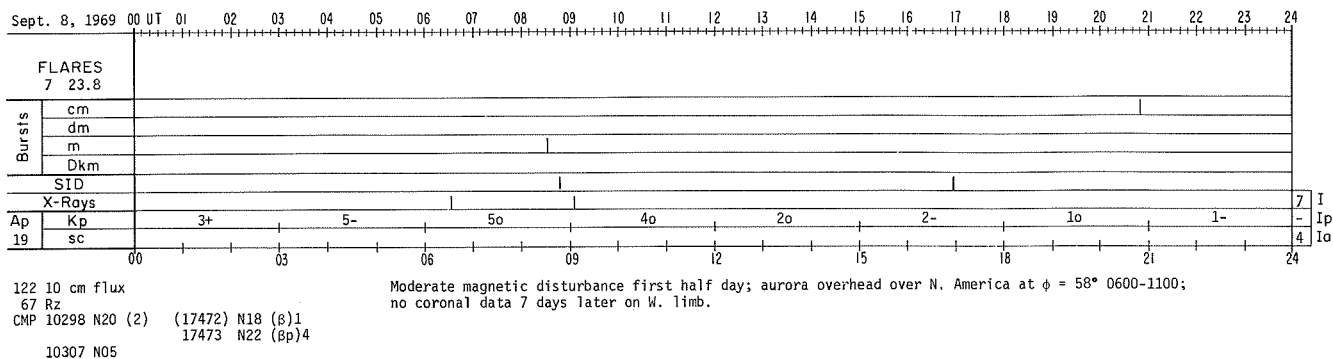
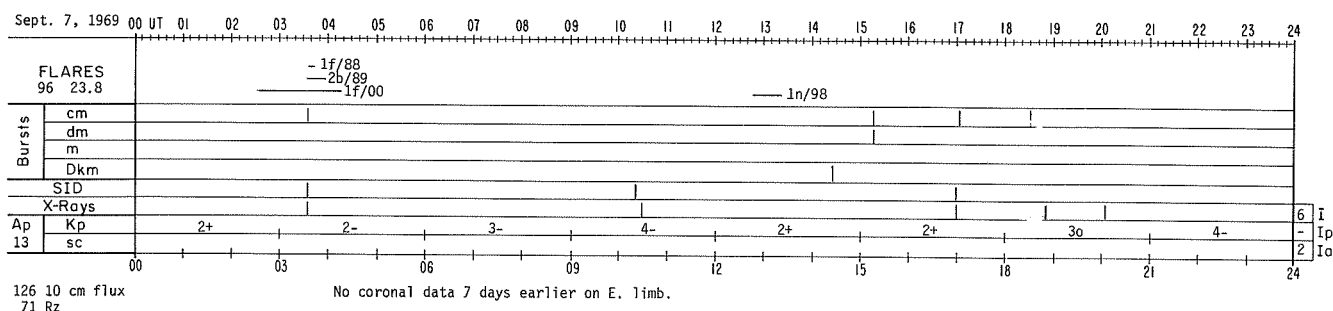
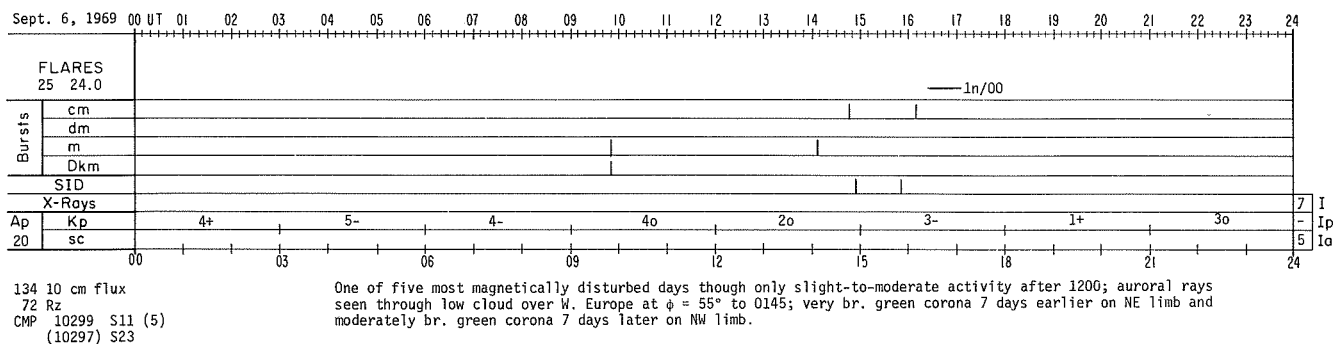
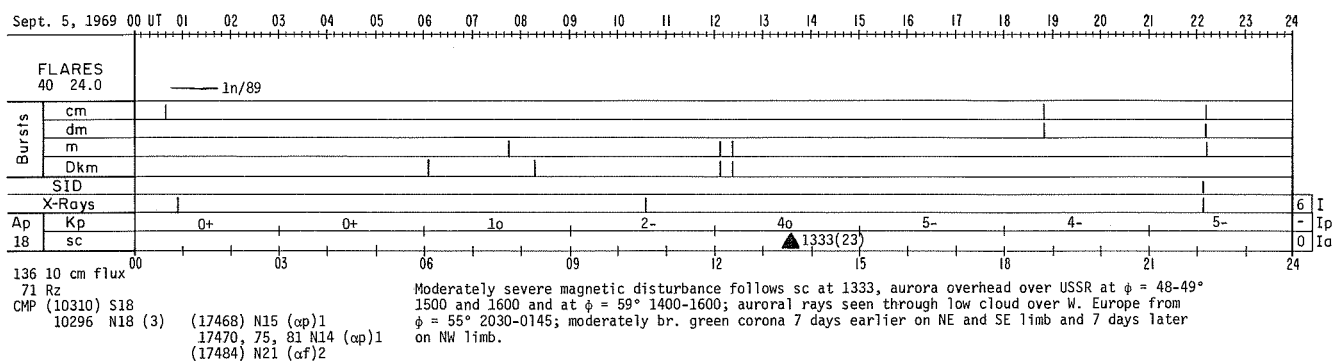
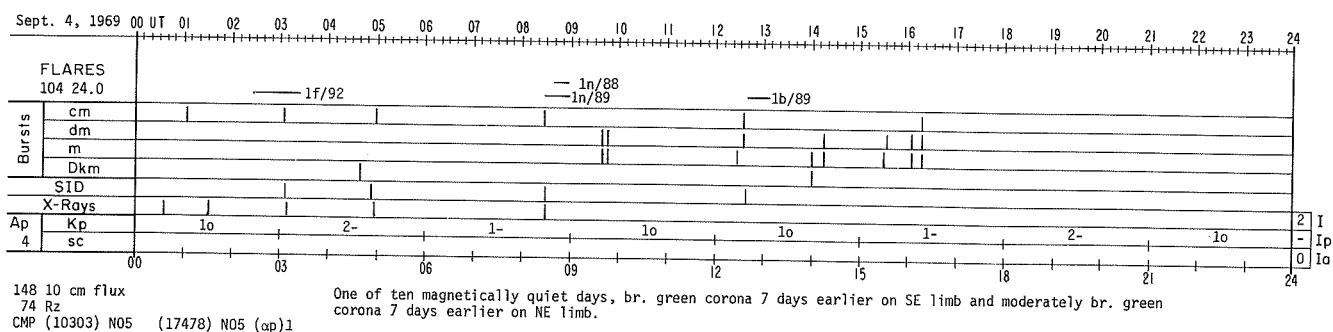
	Page
<u>Abbreviated Calendar Record</u>	88-94

For explanations of the data contained herein see "Descriptive Text"
published in February 1970.

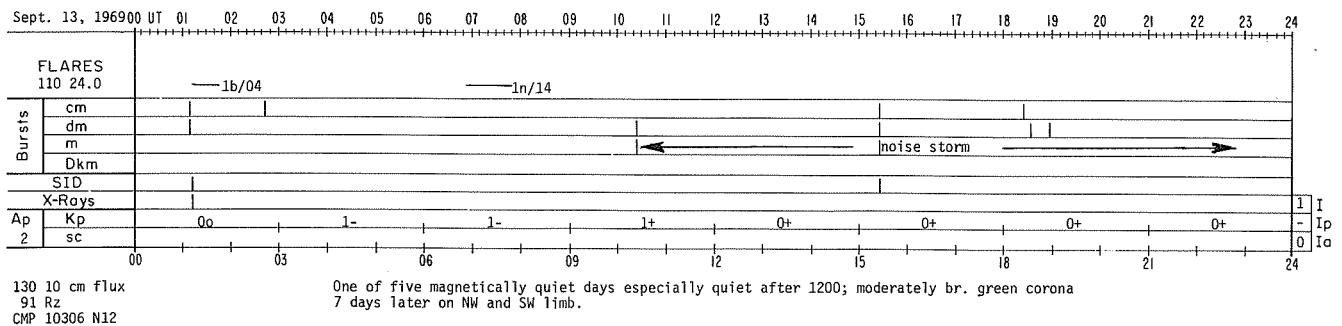
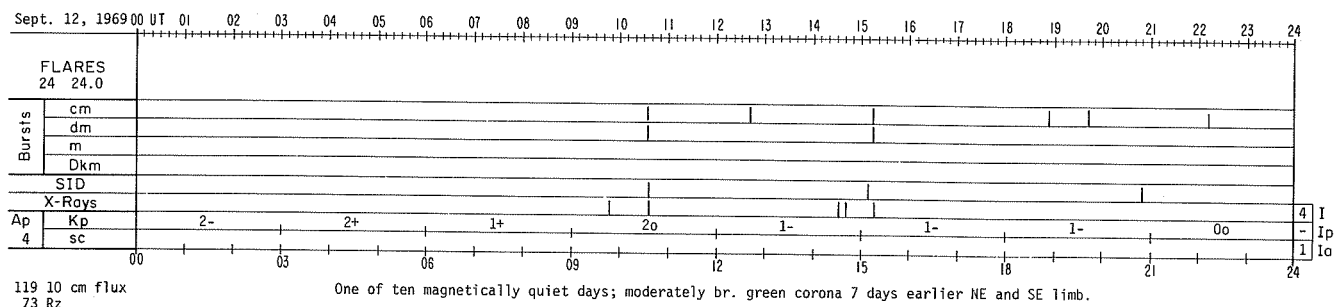
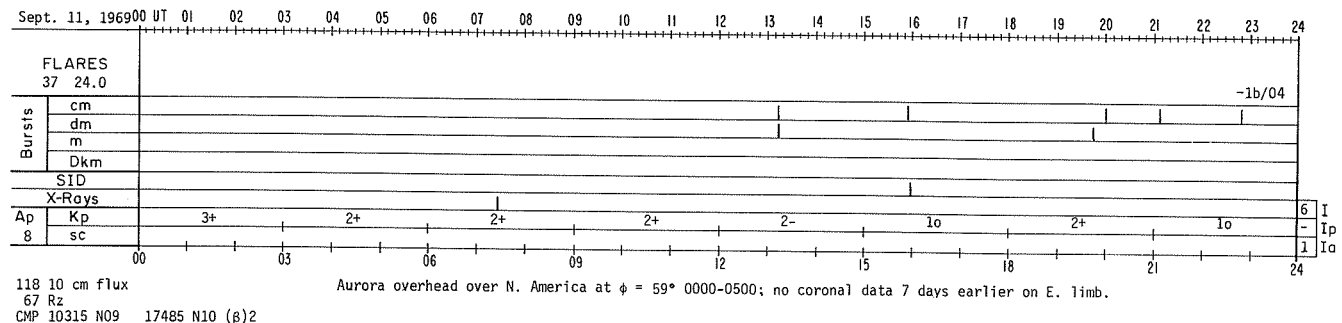
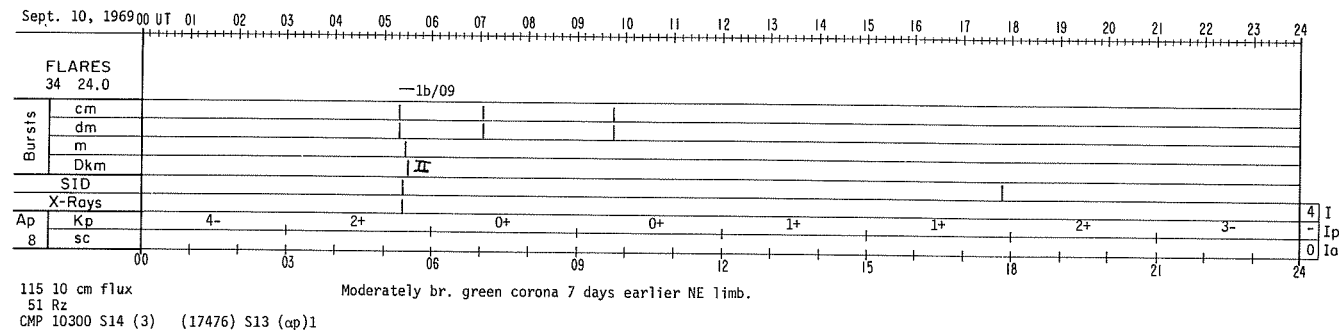
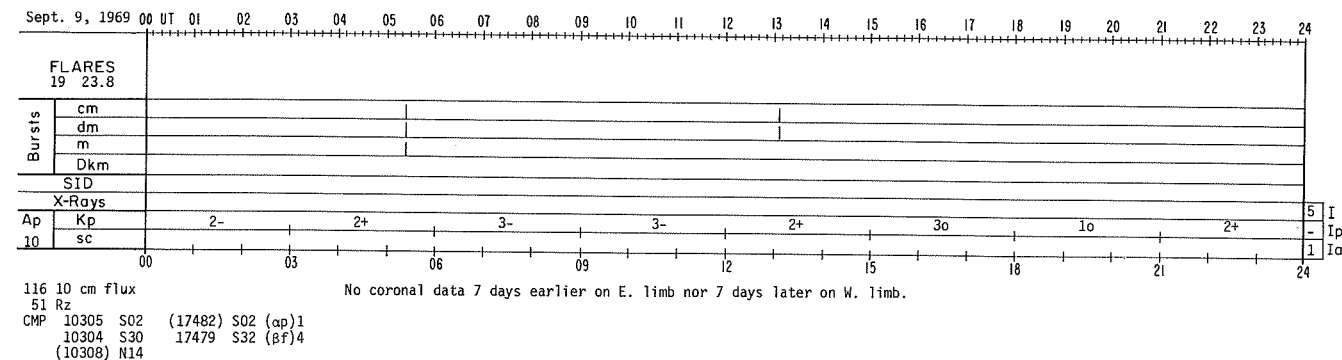
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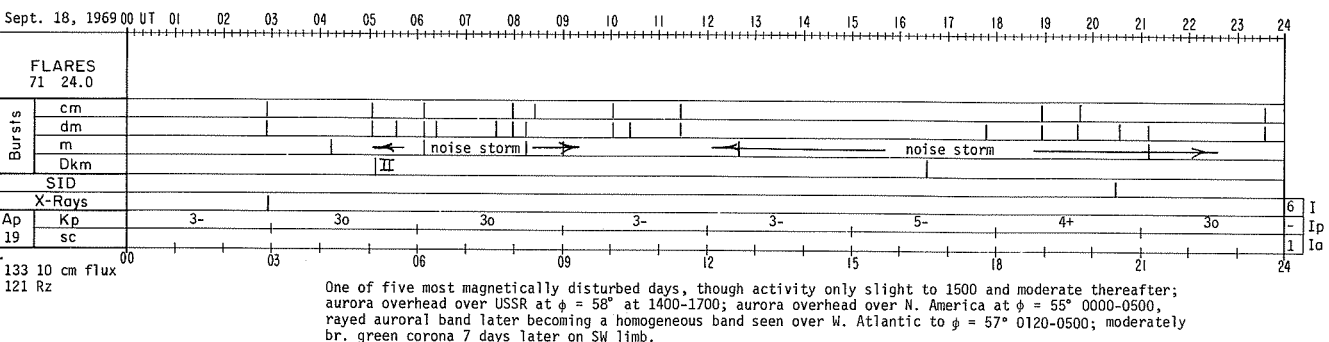
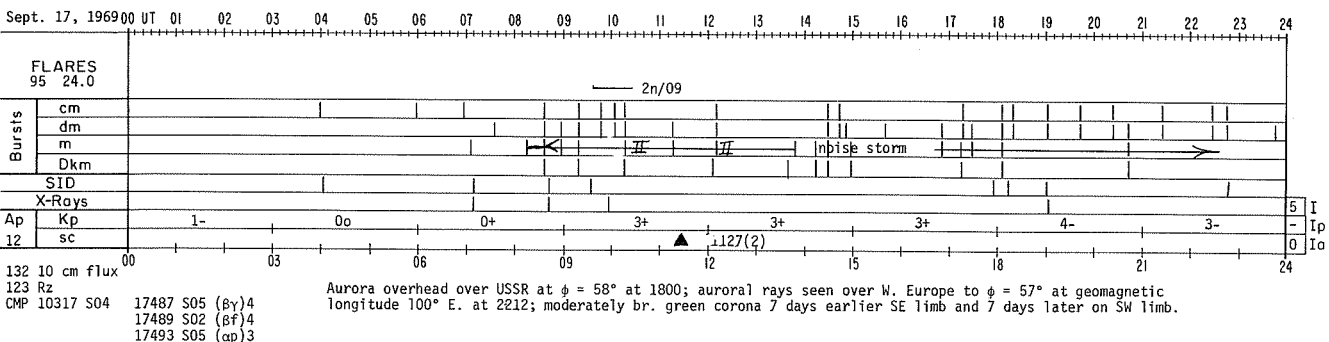
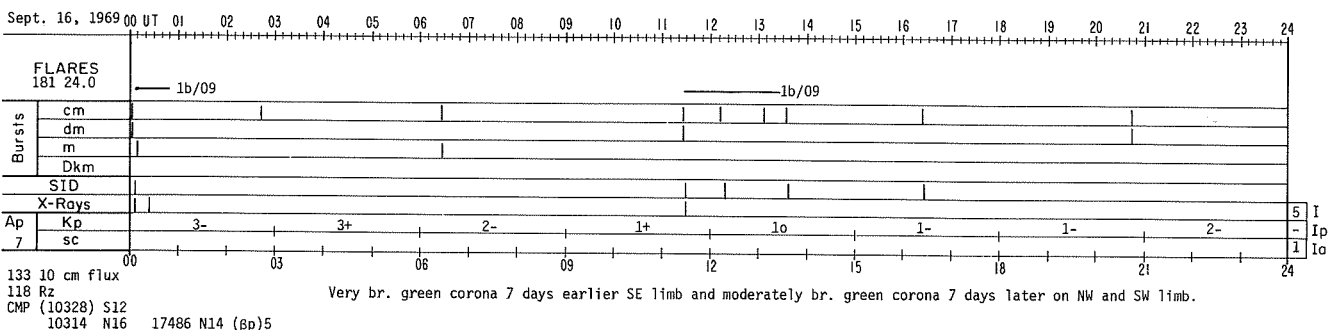
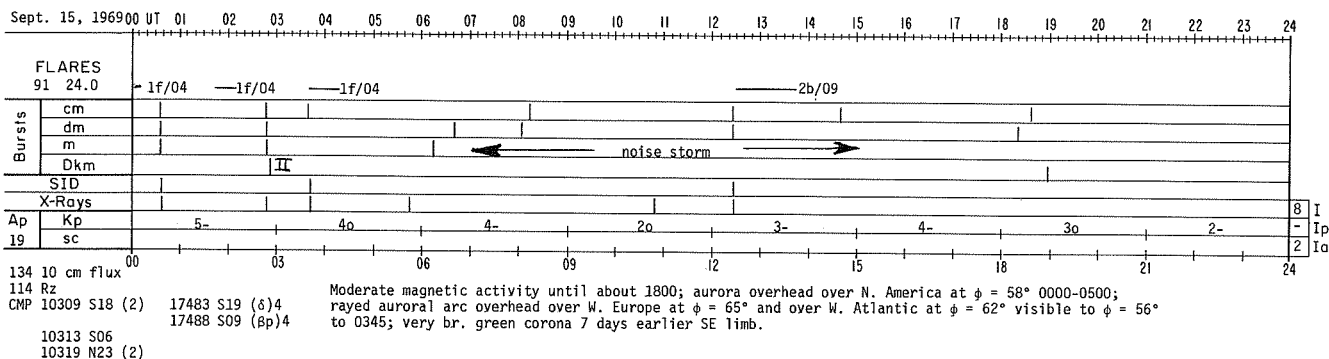
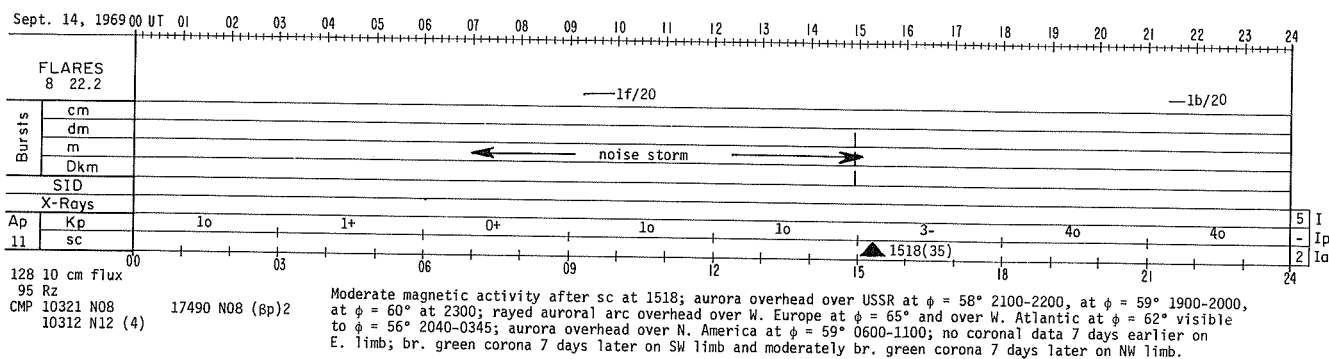
SEPTEMBER 1969



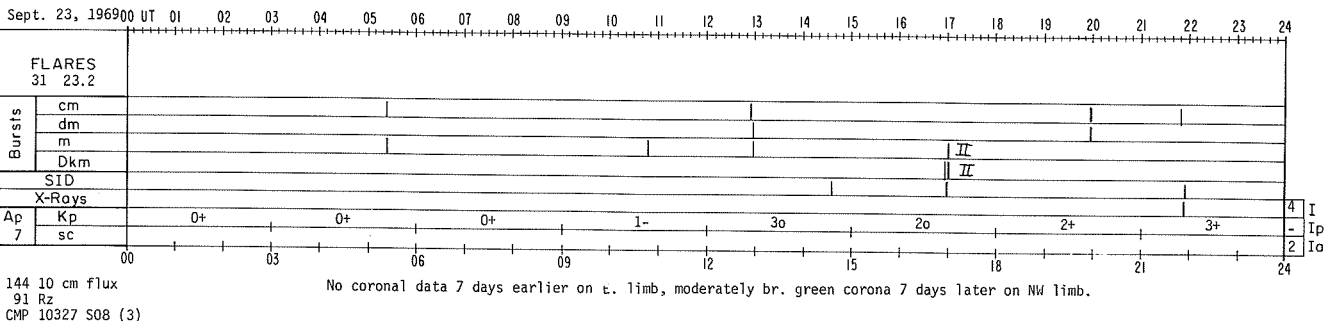
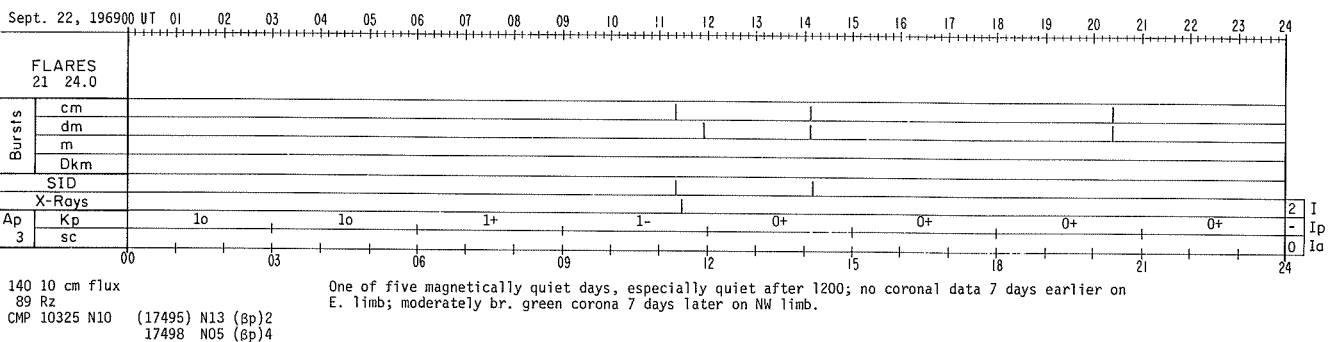
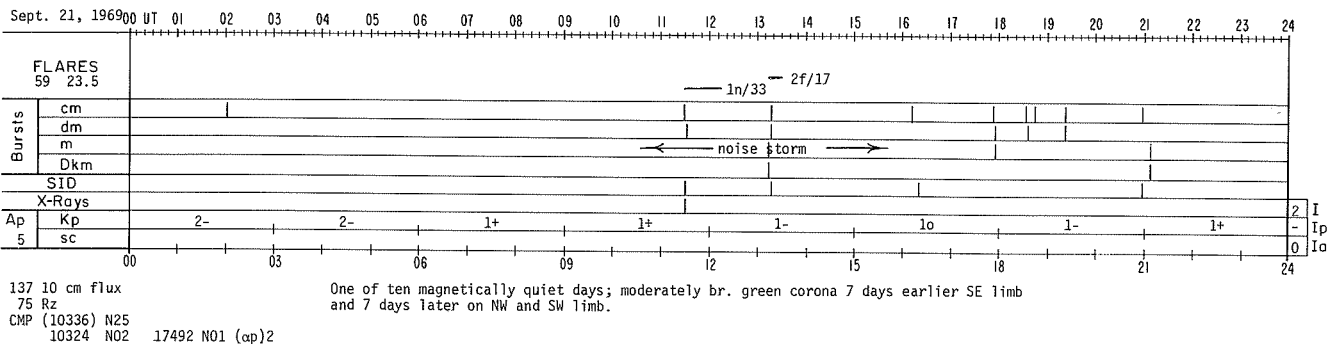
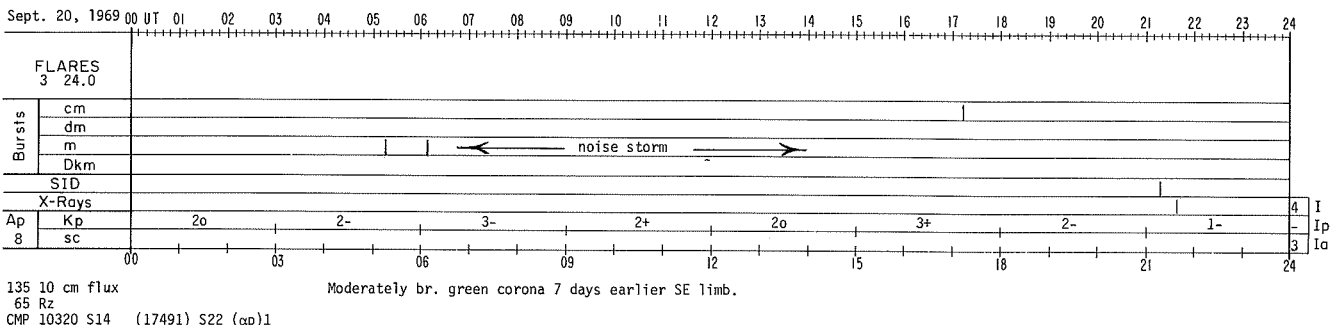
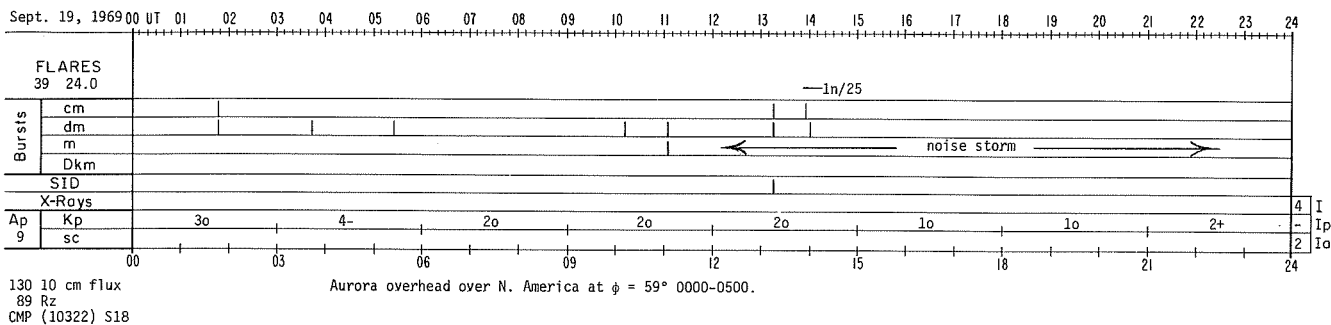


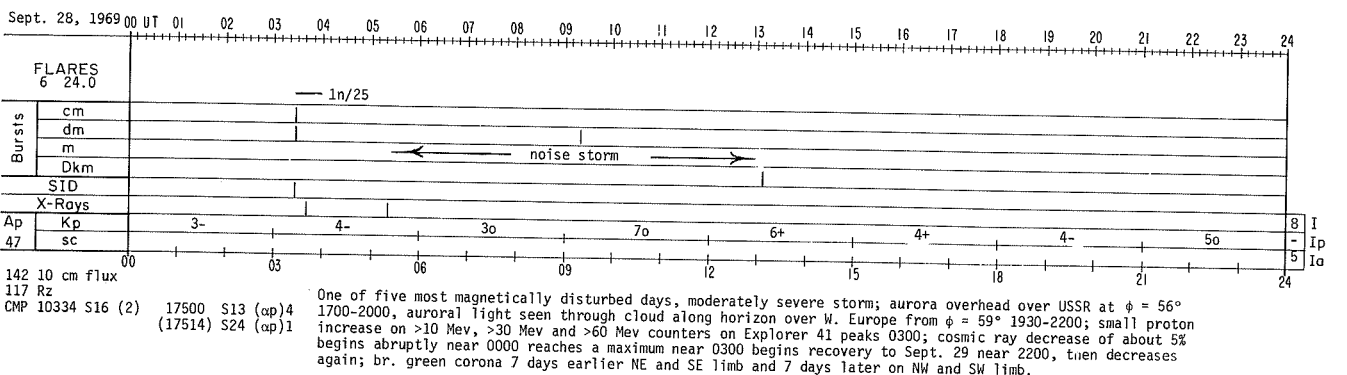
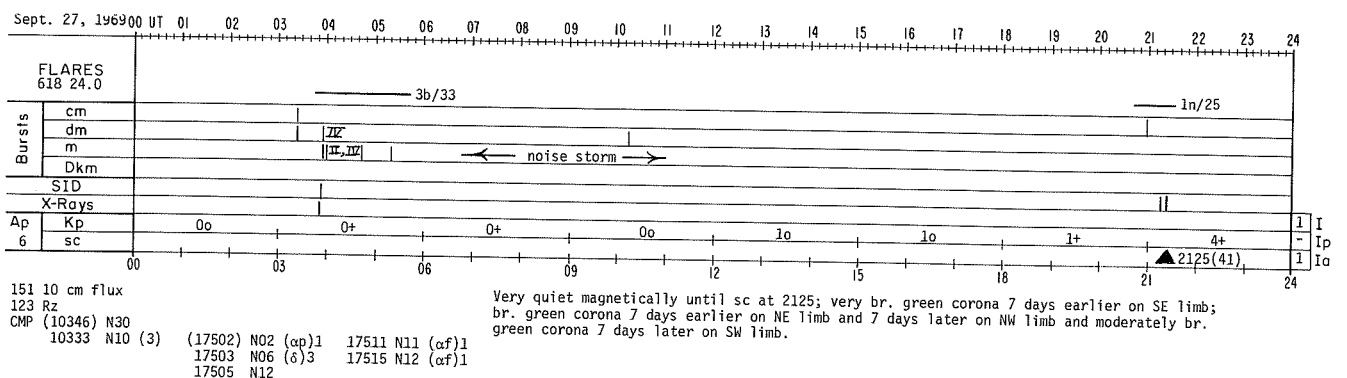
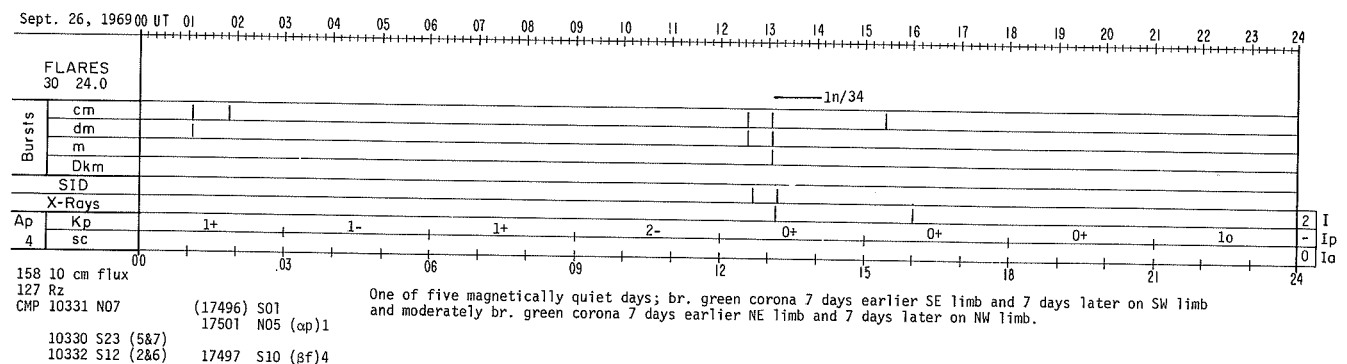
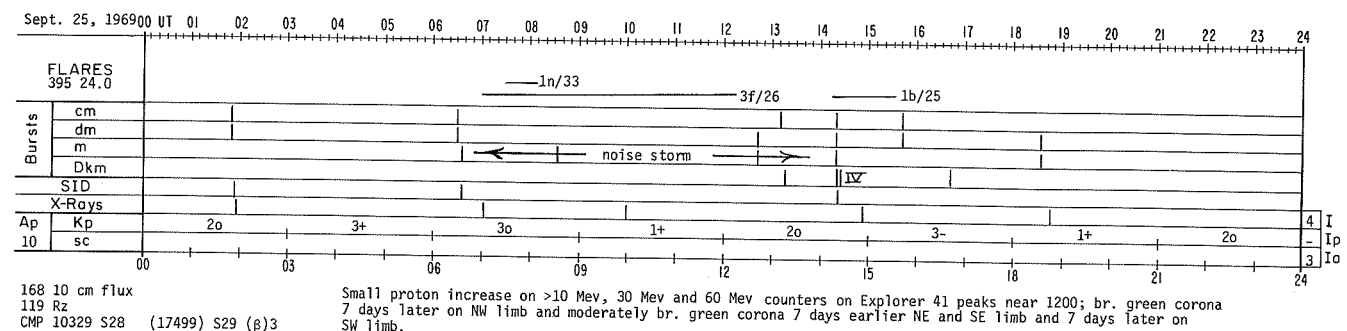
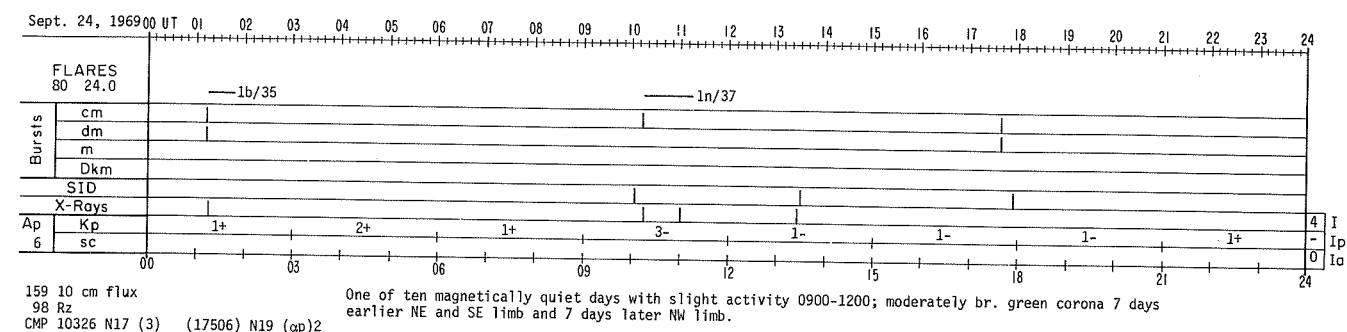
90
Sep 69



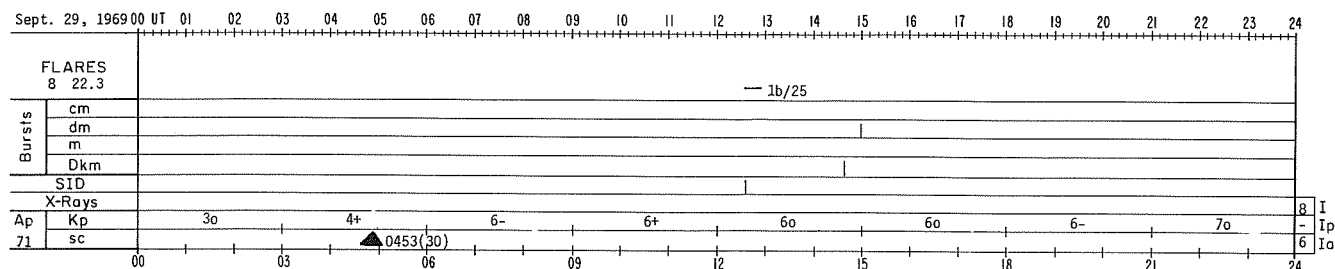


92
Sep 69



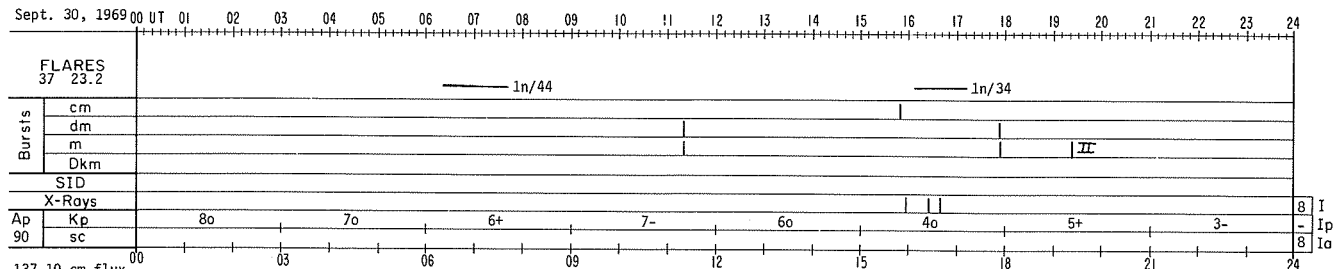


94
Sep 69



140 10 cm flux
107 Rz
CMP 10335 N11 (2) 17504 N10 (8p)4
17513 N09 (8f)1
(17516) N10 (ap)1
(17518) N12 (8)1

One of five most magnetically disturbed days, moderately severe storm continues with increased activity after sc at 0453, second most disturbed period of 1969; aurora overhead over USSR at $\phi = 56^\circ$ at 1700-2100 and at $\phi = 59^\circ$ at 2200, homogeneous and rayed auroral arcs in active display lasting all night over W. Europe, though much of it obscured by clouds, visible to $\phi = 55^\circ$ or lower; resurgence of cosmic ray decrease of about 5% near 2200, reaches a maximum near 0200 on Sept. 30 and begins to recover at end of month; br. green corona 7 days later on NW limb and moderately br. green corona 7 days later on SW limb.



137 10 cm flux
99 Rz
CMP 10337 S19 (3&4) 17507 S12 (8)4
(17508) S19 (ap)1
17512 S29 (8p)2
(10338) S07
10347 N36
(10353) N15 (17519) N14 (8f)1

One of five most magnetically disturbed days, storm at severe intensity 0000-0300; aurora overhead over USSR at $\phi = 56^\circ$ at 0000, at $\phi = 50^\circ$ 1700, 1900, 2000-0200 Oct. 01 and at $\phi = 59^\circ$ at 1800, aurora overhead over N. America at $\phi = 53^\circ$ 0000-0500, homogeneous and rayed auroral arcs in active display continued until dawn over W. Europe, though much of it obscured by clouds, visible to $\phi = 55^\circ$ or lower; rayed arc base overhead at $\phi = 66^\circ$ - 67° , visible on horizon from $\phi = 59^\circ$ 2130; moderately br. green corona 7 days earlier SE limb and 7 days later on SW limb.

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