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Solar - Geophysical Data

NO. 371 JULY 1975

Part II (Comprehensive Reports)

DATA FOR
JANUARY 1975
DECEMBER 1974
& MISCELLANEA

**NATIONAL GEOPHYSICAL AND SOLAR - TERRESTRIAL DATA CENTER
BOULDER, COLORADO**

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SOLAR - GEOPHYSICAL DATA

No. 371

Issued in two parts

Hope I. Leighton, Editor

J. Virginia Lincoln, Director
Solar - Terrestrial Data Services Division

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Note: A = Part I, B = Part II.

362A 32 listed under Aug shows that data for August 1974 were contained in *Solar-Geophysical Data* Number 362 - Part I beginning on page 32.

Errata: The index page numbers published last month in SGD-370 for 370B (Part II), involving December and January data, were incorrect. Please make changes to correspond with this month's table.

JANUARY 1975 DATA

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4
Jan 75

H α SOLAR FLARES

JANUARY 1975

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JAN	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
MANI	01	0132	0149	0135	N05	E90	1.000	7.8	17	SF	2	0135	50	1.7			
MANI	01	0139	0147	0142	N07	H52	.797	28.2	8	SF	2	0142	30	.5			
HTPR	01	1041	1100	1047	N07	H60	.872	27.9	19	SF	C	1047	20	.4			E
HTPR	01	1110	1120	1112	N07	H60	.872	28.0	10	SF	C	1112	20	.4			E
ABST	02	0937E	0949J	0941	S08	E27	.459	4.4	120	SF	P	0941	87	1.0			D
MONT	02	1102	1105	1103	N08	H73	.960	28.0	3	SF	C	1103	20				
MONT	02	1116	1123	1118	N08	H73	.960	28.0	7	SF	C	1118	20				
MITK	03	0323	0357	0343	N08	H89	1.000	27.5	34	18	C	0340	50				DG
PALE	03	0339E	0344J	0338	N10	H88	1.000	27.5	90	SN	2	C	40				
PALE	03	0338E	0351	0341U	N10	H88	1.000	27.6	130	SB	2	V	40				
CATA	03	0740E	0800J	0800	S12	E11	.242	4.1	200	SF	1	0800	56	.6	(135)		
CATA	05	0720	0800	0725	N12	E58	.863	9.7	40	1N	1	0725	112	2.3	(170)		
MANI	05	0729E	0741	0735U	N12	E57	.855	9.6	120	SF	2	0735	70	1.3			E
HTPR	05	1321	1336	1323	N13	E45	.739	8.9	15	SF	C	1323	10	.2			DE
PALE	05	2325	2342	2331U	S13	H24	.431	4.2	17	SN	2	V	40				H
MANI	05	2326E	2335J	2330U	S07	H24	.409	4.2	90	SN	1	2330	50	.66			DE
PALE	06	0030	0041	0033	S13	H24	.431	4.2	11	SF	2	V	40				FH
MANI	06	0728	0737J	0735	N04	E20	.364	7.8	90	SN	2	0736	180	2.0	(214)		
CATA	06	0735	0920	0755	N05	E20	.370	7.8	105	18	3	0755	225	2.5			
HTPR	06	0815E	0855		N04	E20	.364	7.8	400	SF	C	0815	30	.3			DE
ATHN	06	1124	1133	1125	S 9	H33	.548	4.0	9	SN	4	V	16				O
HTPR	06	1127	1134	1128	S10	H32	.536	4.1	7	SF	C	1128	10	.1	(151)		
CATA	06	1450	1505	1450	N11	E40	.674	9.6	15	SN	3	1450	56	.8			E
MCMA	06	1454E	1500		N12	E41	.690	9.7	60	SN	P	1454	40	.6			DE
PALE	06	1915	1935	1918	N10	H34	.595	4.3	20	SF	2	C	70				DE
PALE	06	1915	1935	1918	N 7	H35	.595	4.2	20	SF	2	V	70				DE
MITK	07	0310	0340	0323	N10	H40	.671	4.1	30	SN	C	0323	80	1.1			D
MITK	09	0050	0103	0055	N06	H14	.295	8.0	18	SF	C	0055	80	.9			D
MANI	09	0127E	0138	0130	N05	H17	.328	7.8	110	SF	2	0130	60	.6			
HANI	09	0308	0325J	0315	N06	H17	.336	7.9	170	SF	2	0315	50	.6			
ABST	09	0658E	0703	0658	N16	E74	.969	14.8	50	SF	P	0658	70		73		D
PALE	09	2023E	2023J		N16	E66	.929	14.8		SN	2	C					DE
CATA	10	0820	0835	0820	S10	E90	1.000	17.1	15	SF	3	0820	28		(141)		
ARCE	10	0920	0958	0940	N05	H38	.630	7.5	38	SN	C	0940	46	.6			B
MONT	10	0938	0959	0941	N05	H35	.589	7.8	21	SF	C	0941	50				
MONT	10	1132	1156	1145	N05	H36	.603	7.8	24	SF	C	1146	20				
RAMY	10	1133E	1156	1134	N 4	H36	.600	7.8	230	SF	3	C	45				DE
RAMY	10	2000E	2119		N10	H90	1.000	4.1	790	SN	3	C					
RAMY	11	2053	2115	2104	N18	E37	.678	14.6	22	SF	3	C	27				F
VORO	12	0144	0151	0145	N02	H58	.851	7.7	7	SB	C	0145	45	.8	70		DJ
VORO	12	0314	0327	0319	N02	H58	.851	7.8	13	SB	C	0318	81	1.5	72		DJ
ATHN	12	0706	0728	0709	N 7	E48	.757	15.9	22	SN	3	V	96				U
ATHN	12	0707	0727	0703	N 3	E50	.771	16.0	20	SN	2	C	48				F
TACH	12	0710	0732	0717	N02	E52	.792	16.2	22	SN	C	0717	133	2.2	16		E
HTPR	12	1032	1044	1050	N07	H66	.919	7.5	12	SN	C	1044	20				
ABST	12	1037	1053	1042	N05	H66	.918	7.5	16	1F	C	1042	87	2.1	51		DJ
ABST	12	1137	1158J	1140	N03	H68	.929	7.4	210	1F	P	1140	87		51		DJ
RAMY	12	2053	2118	2114U	N16	E24	.518	14.7	25	SF	3	C	36				
RAMY	12	2112E	2133J	2114U	N 6	E41	.672	16.0	210	SF	3	C	45				DE
PALE	12	2246E	2249J	2248U	N16	E25	.529	14.8	30	SF	2	C	30				DE
PALE	12	2247E	2252J	2248U	N16	E25	.529	14.8	50	SF	3	V	30				DE
MITK	12	2333	2350	2334	N17	E23	.516	14.7	17	SN	C	2334	50	.6			D
MITK	13	0038	0045	0041	N17	E23	.518	14.8	7	SF	C	0041	50	.6			D
MITK	13	0049	0119	0058	N17	E22	.507	14.7	30	SB	C	0058	80	1.0			D
VORO	13	0053	0109	0056	N17	E21	.496	14.6	16	SB	C	0056	90	1.0	71		DJ
MANI	13	0101E	0106J	0101U	N18	E23	.527	14.8	50	SN	2	0101	60	.7			
CATA	13	0750	0755	0750	N17	E20	.486	14.8	5	SN	3	0750	28	.3	(151)		
HTPR	13	1154	1214J		N04	E35	.587	16.1	200	SF	C	1212	50	.6			E
ABST	14	0717	0728	0720	N03	E23	.409	16.0	11	SF	C	0720	157	1.8	45		EGJ
CATA	14	0805	0815	0805	N17	E07	.383	14.9	10	SF	3	0805	56	.6	(135)		
ABST	14	0809	0814	0810	N17	E07	.383	14.9	5	SF	C	0810	140	1.5	50		EJV
CATA	14	0940	0955	0945	N17	E06	.379	14.9	15	SN	3	0945	56	.6	(162)		
ABST	14	0940	1010	0943	N17	E06	.379	14.9	30	SN	C	0943	157	1.7	52		FJK
ABST	14	1046	1101	1053	N04	E21	.385	16.0	15	SF	C	1053	87	1.0	52		DGJ
PALE	14	2010	2028	2014U	N 2	E15	.281	16.0	18	SF	3	C	100				DE
MANI	16	0552	0633	0601	N02	H05	.145	15.9	41	SN	2	0601	190	2.0			F
ABST	16	0704E	0727	0709	N02	H08	.180	15.7	230	SF	P	0709	87	.9	45		DJ

NOTE: The measured area is now reported in millionths of the solar disk.

H α SOLAR FLARES

JANUARY 1975

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JAN	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH PLAGE REGION	CNP DAY			TIME UT	MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
[HITK PALE	17	0155	0245	0215	N01	W21	.371		15.5	50	SF		0215	80	.9		DH
	17	0214	0246	0218	N 2	W19	.344		15.7	32	SF	3	C	123			F
ABST	18	0669	0617	0613	N12	E23	.476		20.0	8	SF		C	0613	140	1.6	52 EJ
ABST	19	0635	0641	0636	N15	W61	.896		14.7	60	SF		P	0636	96	2.0	50 E
ABST	19	0718	0740	0720	N17	W60	.892		14.8	22	SB		C	0720	96	2.0	76 DK
TACH	19	0720	0728	0722	N18	W68	.945		14.2	8	SN		C	0722	88		66 DL
ABST	19	0802E	0812	0803	N03	W47	.739		15.8	100	SF		P	0803	96	1.4	48 FGJ
ABST	19	0855	0906	0901	N03	W48	.750		15.8	11	SF		C	0901	87	1.3	50 OG
[HTPR	19	1037	1058	1046	N03	W50	.772		15.7	21	SF		C	1046	20	.3	
ABST	19	1038	1059	1045	N02	W49	.760		15.8	21	SF		C	1045	70	1.1	52 DGJ
HTPR	19	1147	1156	1148	N03	W50	.772		15.7	3	SF		C	1148	10	.1	
HTPR	19	1200	1220	1201	N03	W51	.783		15.7	20	SF		C	1201	10	.1	
HTPR	19	1346	1348	1347	N07	E06	.231		20.0	2	SF		C	1347	20	.2	
MONT	20	1013	1020	1017	N07	W02	.211		20.3	7	SF		C	1017	26		H
ABST	20	1030	1037	1032	N07	W02	.211		20.3	7	SF		C	1032	79	.8	52 DJK
[ABST MANI	21	0802	0829	0805	N09	E32	.572		23.7	27	SF		C	0805	122	1.5	55 EJ
	21	0803	0825	0815	N09	E31	.559		23.7	22	SF	2	C	0815	80	1.0	E
HTPR	22	1346	1352	1346	N08	W35	.606		19.9	6	SF		C	1347	30	.4	E
HTPR	22	1350	1435	1421	N16	W78	.985		16.7	45	SF		C	1421	30		
HTPR	22	1354	1430	1358	N07	W36	.615		19.9	36	SF		C	1358	30	.3	EK
HTPR	22	1442	1537	1506	N16	W80	.990		16.6	55	SF		C	1500	20		
HTPR	22	1554	1602D		N16	W81	.992		16.6	80	SF		C	1556	30		
ABST	24	0715	0728	0718	N06	W57	.848		20.0	13	SF		C	0718	114	2.0	50 DJ
HTPR	30	1419	1431	1424	N07	E54	.823		3.6	12	SF		C	1424	20	.3	

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

N = Continuous spectrum shows effects of polarization.
 O = Observations have been made in the calcium II lines H and K.
 P = Flare shows helium D₃ in emission.
 Q = Flare shows the Balmer continuum in emission.
 R = Marked asymmetry in H α line suggests ejection of high velocity material.
 S = Brightness follows disappearance of filament (same position).
 T = Region active all day.
 U = Two bright branches, parallel (||) or converging (Y).
 V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H α line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

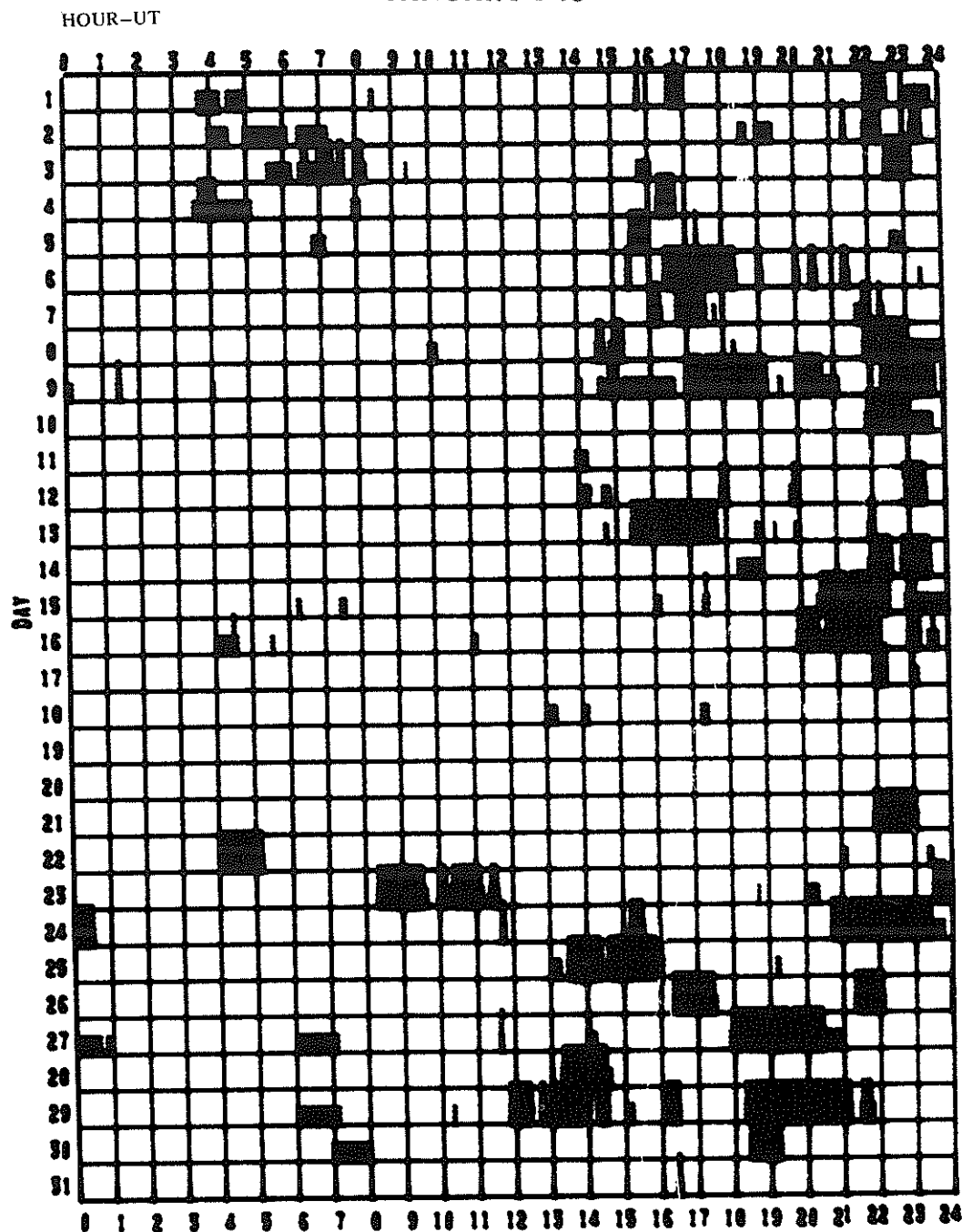
NOTE: Several changes in the presentation of the Grouped Flare Data have been planned to begin with the January 1975 data. The preparation of the new presentation has been delayed because of problems in computer conversions. Therefore, only the observatory flare reports are included here. The grouped flares will no longer be classified as "confirmed" or "unconfirmed". The flare list for this month will be republished later and will include a summary line for each flare.

DAILY FLARE INDICES Includes all Flares								
Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
750101	2.24	23.1	750111	0.38	24.0	750121	5.44	23.0
750102	4.44	23.4	750112	20.96	23.0	750122	2.21	22.9
750103	2.72	22.5	750113	6.75	21.4	750123	0.00	21.3
750104	0.00	23.0	750114	34.57	22.7	750124	7.72	20.4
750105	5.49	23.5	750115	0.60	22.0	750125	0.00	21.8
750106	31.45	21.5	750116	23.26	21.6	750126	0.00	23.0
750107	3.38	23.0	750117	5.49	23.6	750127	0.00	21.4
750108	0.00	22.4	750118	10.34	24.0	750128	0.00	22.8
750109	11.22	19.5	750119	19.58	24.0	750129	0.00	18.7
750110	2.75	23.0	750120	3.50	24.0	750130	0.21	23.5
When no Flare Index is given, it is 0 for that day.							750131	0.00 23.9

INTERVALS OF NO FLARE PATROL OBSERVATION

FOR PRECEDING SOLAR FLARE TABLE

JANUARY 1975



Observatories included in total patrol:

Abastumani	Catania	Hurbanovo	Manila	Tachkent
Arcetri	Culgoora	Kharkov	McMath-Hulbert	Tehran
Athènes	Haute Provence	Kiev	Mitaka	Upice
Boulder	Herstmonceux	Kodaikanal	Monte Mario	Voroshilov
Bucharest	Huancayo	Locarno	Palehua	Wendelstein
		Lvov	Ramey	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).

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Jan 75

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1975

NO 1975	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	POLARIZATION OR REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
1	245 SGMR	43 NS	1630	1945.8	285 D	38.2		2	
	18 MCMA	5 S	1831	1834	3				
	18 MCMA	41 F	1839	1845	7				
2	29 UPIC	8 S	1047	1047.2	0.3			1	
	1470 BERL	3 S	1114.5	1115.5	3.5				
	3000 BERL	1 S	1115	1115.2	6				
	2800 OTTA	27 RF	1450		50				
	2800 OTTA	24 R	1450	1500	10				
	2800 OTTA	24P R	1500		35				
	2800 OTTA	26 FAL	1535	1540	5				
	18 MCMA	5 S	1608	1609	2				
	2800 OTTA	240 R	1657	1722	25				
	2800 OTTA	24P R	1722		300 D				
3	1415 MANI	22	0320.5	0328.7	28	4.9	1	1	00L 07R267100F 25R
	2695 MANI	22	0321.8	0328.5	27.5	13.8	3.4		
	4995 MANI	22	0324.6	0326.5	21.4	23	5.8		
	8800 MANI	2	0325	0326.6	5.9	5.2	1.7		
	2000 TYKH	45 C	0324	0328.4	14	9	2		
	3750 TYKH	45 C	0324	0328.4	8	25	9		
	9400 TYKH	45 C	0325	0328.3	22	10	10		
	8800 PALE	4	0325.8	0326.5	5.6	35	11		
	1420 SYDN	20 GRF	0326	0326.4	1	4			
	606 MANI	2	0328	0328.8	2.3	9.7	3.8		
	1000 TYKH	5 S	0328	0328.7	3	8	2		
	1420 SYDN	20 GRF	0328	0328.6	1.5	8			
	720 SYDN	45 C	0328.1	0328.7	2	30			
	9400 TYKH	29 PBI	0330		80	7	3		
	3750 TYKH	29 PBI	0332		75	3	1		
	100 GORK	42 SER	0650.7	0652 U	6.2	20 D			
	100 GORK		0650.7	0654.9U		20 D			
	200 GORK	42 SER	0651	0651.7	6	70			
	200 GORK		0651	0654.3		80			
	100 HIRA	45 C	0654	0654.3	3	620	60		
	203 DWIN	44 NS	0900		360		2		
	100 GORK	42 SER	0916.4	0916.7	7.6	45			
	100 GORK		0916.4	0918.6		45			
	100 GORK		0916.4	0923.7		45			
	127 TORN	42 F	0916.5	0919.5	10	11			
4	127 TORN	43 NS	0812 U	1010.5	180 U	90		1	UNCERTN
	100 GORK	43 NS	0909		120		5		
	200 GORK	43 NS	0918 E		102		5		
	260 ONDR	43 NS	0920	1040.7	307 D	29			
	245 SGMR	44 NS	1219 E	1343.6	538 D	16.9			
	18 MCMA	6 S	1406	1407	2				
5	200 GORK	44 NS	0627 E		300 D		10	1	HR
	100 GORK	44 NS	0630 E		330 D		10		
	260 ONDR	44 NS	0810 E	1206.3	365 D	22			
6	200 HIRA	45 C	0032.5	0033	1.2	200	70	1	HR
	100 GORK	44 NS	0624 E		151		10		
	650 GORK	1 S	0638	0640.3	5	5			
	100 GORK	42 SER	0641.2	0641.4	0.4	450			
	100 GORK		0641.2	0641.6		500			
	650 GORK	23 GRF	0713.1	0739	49	6			
	100 GORK	5 S	0715	0716 U	1.5	30 D			
	200 GORK	8 S	0721.6	0721.9	0.4	40	20		
	100 GORK	8 S	0721.6	0722.3U	0.9	30 D			
	950 GORK	48 C	0733	0747.5	28.8	2383			
	950 GORK		0733	0748.5		1490			
	200 GORK	4 S/F	0733	0739	8.3	120			
	1415 MANI	40	0733.1	0751.5	37.2	89	15.6		
	606 MANI	47	0733.2	0748.4	36	1320	303		
	1415 ATHN	46	0734.4	0747.5	28.1	37.4	14.2		
	1415 ATHN	46		0751.6		71.1			
	2950 GORK	21 GRF	0735.6	0745	22.1	3.2	1.6		
	2695 MANI	22	0736.6	0739.2	14.2	10.7	1.8		
	2950 GORK	42 SER	0738.5	0738.6	1	4.5			
	2950 GORK		0738.6	0739.5		5.4			
	650 GORK	48 C	0742	0747.1	16.5	1230			
	650 GORK		0742	0748.5		1140			
	2950 GORK	46 C	0746.2	0746.5	2	8.6	4.1		
	2950 GORK		0746.2	0747.3		8.2			
	2695 ATHN	1	0746.2	0747.5	2.4	7.7	2.3		
7	930 BORD	45 C	1603.3	1603.8	0.8	13	2	1	
	930 BORD	45 C	1605	1606.5	3	24	2		
	4995 BOUL	3	1842.5	1844	2.5	11	3		
	18 MCMA	6 S	1847	1849	2				
	536 ONDR	8 S	0944.6	0944.6	0.2	15			

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Jan 75

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1975

JAN 1975	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ Wm}^{-2} \text{ Hz}^{-1}$		INT	POLARIZATION OR REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
8	260 ONDR	2 S/F	1006.4	1007	1.2	5	1.4		SUNRISE
	260 ONDR	5 S	1121	1121	0.2	8			
	930 BORD	45 C	1329.6	1329.7	1	9	2		
	930 BORD	45 C	1519.7	1519.8	0.3	11	2		
	260 ONDR	45 C	0900.7	0902	3.4	5	1		
	930 BORD	42 SER	1137	1138	2	11	2		
9	930 BORD	45 C	1153	1153.4	1	48	2		85L 60L 30R 90L
	260 ONDR	8 S	1207	1207	0.2	3			
	260 ONDR	8 S	1303.2	1303.2	0.2	5			
	2000 TYKH	45 C	0646	0647.3	2	6	2		
	1000 TYKH	45 C	0655	0657	5	13	3		
	2000 TYKH			0659.8		40			
10	2000 TYKH	45 C	0655	0657	8	230	20		21L
	29 UPIC	4 S/F	0614.2	0815	2.4				
	1470 BERL	4 S/F	0814.3	0814.8	2.7	40	15		
	33 UPIC	4 S/F	0814.8	0814.9	1.9				
	1470 BERL	3 S	0923.2	0923.7	0.8	8.4	2.6		
	3000 BERL	1 S	0923.2	0923.7	0.8	1.2	0.3		
11	29 UPIC	4 S/F	1023.1U	1023.9	1.4				SUNSET 12R SUNSET
	113 POTS	40 F	1023.7	1024	0.5	100	10		
	33 UPIC	4 S/F	1023.8	1024	1.2U				
	1470 BERL	4 S/F	1026	1026.3	1.5	9.5	2.6		
	1470 BERL	3 S	1306	1306.4	0.5	5.3	1.8		
	1470 BERL	4 S/F	1333.3	1334	1.5	72	21		
12	260 ONDR	8 S	1333.7	1333.7	0.7	9			90L HL OR 95L HL OL 90L 40L
	237 TRST	45	1333.8	1333.9	0.3	58	17		
	260 ONDR	8 S	1345.3	1345.3	0.2	4			
	2600 OTTA	40 F	1844.8	1845.2	1	7.9			
	2600 OTTA	40 F	1855.5		3	10.6			
	2695 BOUL	45 C	1856.5	1857	2.5	12	4		
13	2600 OTTA	8 S	1958	1958.5	0.6	12.2			1
	7000 SAOP	4	2010.6	2011.3	1.5	44.1	21.5		
	4995 BOUL	3	2011	2012.5	3	10	3		
	8800 PALE	4	2012	2013	8.6	14	4		
	4995 SGMR	2 S/F	2012.1	2012.8	1.5	4.7	1.4		
	2600 OTTA	40 F	2012	2013	2	42			
14	2695 SGMR	4 S/F	2012.1	2012.9	2.1	38	11.4		
	2695 BOUL	45 C	2012.5	2014	2.5	63	13		
	1415 SGMR	4 S/F	2012.1	2012.7	2	58.1	17.7		
	606 SGMR	4 S/F	2012.1	2012.9	2	25.4	7.6		
	410 SGMR	6 S	2012.1	2012.9	2	22.2	6.7		
	245 SGMR	6 S	2012.1	2013	2.3	79.7	23.9		
15	2800 OTTA	8 S	2020	2020	0.1	3			
	2300 TYKH	45 C	0010.3	0010.9	2	14	3		
	200 HIRA	45 C	0054	0054.5	1	80	20		
	3750 TYKH	20 GRF	0230	0240	30	1	0.5U		
	2000 TYKH	45 C	0245	0246.3	3	11	1.5		
	2000 TYKH	45 C	0245	0246.9	3	150	40		
16	1000 TYKH	45 C	0246	0246.3	1.5	1.1	0.4		
	2000 TYKH	5 S	0503	0503.5	1	4	1		
	2000 TYKH	45 C	0605	0609.4	8	1.5	0.5		
	650 GORK	3 S	0643.3	0644.5	1.6	8.2	4		
	260 ONDR	42 SER	1034	1040.8	10	7	0.4		
	260 ONDR	42 SER	1156.4	1200.5	92	4			
17	536 ONDR	42 SER	1225.6	1234.8	24	13			
	868 ONDR	42 SER	1225.8	1229.8	15	18			
	18 HOMA	6 S	1342	1343	2				
	237 TRST	45	1402	1402.2	0.6	230 D			
	2695 PENT	1 S	2135	2135.7	1.5	1.4	0.7		
18	536 ONDR	2 S/F	1124.6	1125.7	1.8	3	1.1		
	260 ONDR	45 C	1144.7	1144.7	1.3	12	7		
	8800 ATHN	3	1152.2	1152.7	1.1	51.8	15.5		
	1420 BOUL	8	2058	2059	2.5	12	4		
	1415 SGMR	4 S/F	2058.7	2059	1.1	15.6	4.7		
	606 SGMR	3 S	2058.8	2059	.9	17.1	5.1		
19	410 SGMR	6 S	2058.8	2059	1.2	14.4	4.3		
	245 SGMR	6 S	2058.8	2059	1	193	57.7		
	2800 OTTA	1A S	2059	2059.1	2	1.8	0.8		
	2800 OTTA	8 S	2059.1	2059.1	0.1	9.4			
20	100 GORK	44 NS	0630 E		330 D		5		HL WR WL
	100 HIRA	45 C	0707	0707.8	1.6	580	200		
	230 HIRA	45 C	0707	0707.8	1.5	160	30		
	200 HIRA	45 C	0709.5	0710.4	2	100	20		
	100 HIRA	45 C	0712.3	0712.5	1	770	250		
	33 UPIC	2 S/F	0801.4	0801.8	0.8				
21	29 UPIC	2 S/F	0801.7	0801.9	0.6				
	33 UPIC	45 C	0803	0803.4U	1				
	29 UPIC	45 C	0803.1	0803.5	1.1				
	260 ONDR	42 SER	0941	1009.8	33	7	1.5		
	260 ONDR	42 SER	1142.5	1258.7	97	15			

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

JANUARY 1975

JAN 1975	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	POLARIZATION OR REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
13	18 MCMA	6 S	1748	1749	2			1	
	4995 BOUL	3	1845	1846	2.5	11	3		
	1420 SYDN	40 F	0037.5	0038	0.7	16			
	200 HIRA	45 C	0052	0053	3.5	260	50		
	100 HIRA	45 C	0052.5	0053.5	2	530	80		
	2000 TYKH	45 C	0053	0053.7	1.5	20	2		
	1000 TYKH	45 C	0053	0053.7	1.5	2	0.5U		
	1420 SYDN	40 F	0053.5	0053.7	0.7	40			
	200 GORK	43 NS	0626 E		354 D		5		
	100 GORK	44 NS	0630 E		330 D		5		
	100 GORK	8 S	0639.4	0639.8U	0.7	30			
	100 GORK	8 S	0749.9	0750.5U	0.9	20 D			
	260 ONDR	44 NS	0848 E	1309.6	318 D	37			
	113 POTS	45 C	0917.5	0917.9	0.5	200	30		
	234 POTS	45 C	1040.8	1040.9	0.1	100	10		
	410 SGMR	44 NS	1217 E	1544.2	551 D	13.3			
	245 SGMR	44 NS	1217 E	1446.6	551 D	88.8			
	930 BORD	1 S	1557.6	1557.6	0.2	11	2		
	930 BORD	45 C	1604	1604.6	0.6	108	2		
	200 HIRA	44 NS	2150 E	0415	600 D	25	13		
	100 HIRA	45 C	2157	2157.7	1.5	420	150		
									SL
									HL
14	100 HIRA	45 C	0257.8	0258.2	1.5	570	100		HL
	200 HIRA	45 C	0257.8	0258	1	400 D	150 D		
	200 GORK	43 NS	0624 E		251 D		20		
	100 GORK	44 NS	0630 E		330 D		5		
	260 ONDR	44 NS	0835 E	1009.8	247 D	30			
	410 SGMR	44 NS	1216 E	1456.9	553 D	17.6			
	245 SGMR	44 NS	1216 E	2010.8	553 D	57			
	33 UPIC	45 C	0938.4	0938.9	2.9				
	29 UPIC	45 C	0938.5	0939.2	3.1				
	100 GORK	42	0938.5	0939	4.9	70 D			
	100 GORK		0938.5	0941		70 D			
	100 GORK		0938.5	0942.6		70 D			
	113 POTS	45 C	0940.5	0940.8	0.9	600	60		
	650 GORK	40 F	0942.5	0942.5	0.5	4.2			
	237 TRST	45	1203.2	1203.5	0.6	41	12		
	930 BORD	45 C	1534.2	1534.6	0.6	9	2		
	200 HIRA	44 NS	2150 E	2350	350 D	28	15		
									SL
15	234 POTS	45 C	0818.3	0818.3	0.2	100	20		
	260 ONDR	44 NS	0828 E	1348.3	345 D	44			
	245 SGMR	44 NS	1216 E	1826.3	554 D	343.2			
	33 UPIC	2 S/F	1055.6	1055.9	1				
	29 UPIC	2 S/F	1055.8	1056.1	1				
	237 TRST	42	1407	1407	3.5	210			
	113 POTS	41	1407.1	1407.2	9.1	3500	35		
	234 POTS	40 F	1407.1	1407.2	2.5	100	1 E		
	29 UPIC	3 S	1409.2	1409.3	0.6				
	33 UPIC	3 S	1409.3	1409.4	0.8				
	4995 BOUL	3	1846.5	1848	2	9	3		
16	230 HIRA	43 NS	0025	0050	130	30	13		SL
	8800 ATHN	4	0550.2	0550.7	6.5	34.6	10.4		
	260 ONDR	44 NS	0825 E	1312.2	348 D	27			
	808 ONDR	45 C	0831.3	0834	5.5	28	2.5		
	536 ONDR	45 C	0841.3	0844.2	5.5	10	1.7		
	808 ONDR	42 SER	0908.5	0937.4	36	16			
	536 ONDR	45 C	0911.2	0911.2	3	6	2.1		
	536 ONDR	40 F	0922	0939.5	18	11	1.5		
	127 TORN	2 S	1206.5	1207.1	1.2	35	12		
	930 BORD	45 C	1548.7	1548.7	0.3	11	2		
	930 BORD	45 C	1554.6	1554.9	0.7	13	2		
17	200 HIRA	43 NS	0225	0620	320 D	35	14		SL
	200 GORK	43 NS	0618 E		180				
	33 UPIC	2 S/F	1205.6	1205.8	1.3				
	29 UPIC	2 S/F	1205.7	1206.3	1				
	33 UPIC	42 SER	1305.6	1308.5	9.5U				
	29 UPIC	42 SER	1305.8	1308.9	7.5				
	100 HIRA	45 C	2158	2158.2	1	660	150		
	100 HIRA	45 C	2354	2354.2	1	780	300		
18	9240 ARCE	1	0901	0901.1	1				
	100 GORK	42 SER	0908.6	0911.4	19.8	65			
	100 GORK		0908.6	0918.5		65 D			
	100 GORK		0908.6	0922.3		65			
	100 GORK		0908.6	0927.2		400			
	113 POTS	41	0917.6	0918.4	10	220	5		
	127 TORN	46 C	0918	0922.4	12	120			
	29 UPIC	45 C	0924.8	0927.5	3.7				
	33 UPIC	45 C	0924.8	0927.4	4.2				
	127 TORN	41 F	1327 U	1331	6 U	15			
									UNCERTN
									UNCERTN

10
Jan 75

SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JANUARY 1975

JAN 1975	FREQUENCY STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY $10^{-22} \text{ W m}^{-2} \text{ Hz}^{-1}$		INT	POLARIZATION OR REMARKS
			UT	UT	MINUTES	PEAK	MEAN		
19	127 TORN	40 F	1347 U	1352.3	9 U	4.5			
	100 HIRA	45 C	0633.5	0633.8	1.2	340	100		WR
	200 HIRA	45 C	0633.5	0634	1.2	100	30		WL
	3750 TYKW	5 S	0718	0718.7	1.5	9	3		OR
	2000 TYKW	5 S	0718	0718.4	1	4	2		GR
	100 HIRA	45 C	0718	0718.7U	2	1200 D	500 D		WL
	200 HIRA	45 C	0718	0718.8	1.3	150	50		WL
	113 POTS	45 C	0718.3	0718.8	1	200	76		
	2950 GORK	1 S	0718.4	0718.9	0.7	6.4	3.2		
	260 ONDR	8 S	0941.3	0947	5.7	8			
20	237 TRST	41	0900	0900	0.6	52			8L
	260 ONDR	8 S	0900.2	0900.2	0.2	10			SUNRISE
	113 POTS	41	1007	1014	9	350	15		
	260 ONDR	42 SER	1007.3	1014.8	9.5	44	15		
	29 UPIC	48 C	1007.4	1014.3	9				
	100 GORK	42 SER	1007.6	1008.6	8.1	150 D			
	100 GORK		1007.6	1014.4		1400 D			
	33 UPIC	48 C	1007.7	1014.1	8				
	237 TRST	42	1008	1014	27	120			5L
	127 TORN	46 C	1008	1014.6	8.5	90			
	260 ONDR	45 C	1029	1030	5.5	19	3		
	127 TORN	8 S	1030	1030.2	1	70	7		
	237 TRST	41	1243.2	1244.9	4.3	56 D			
	260 ONDR	8 S	1245	1245	0.2	25			
	536 ONDR	8 S	1324.3	1324.3	0.2	45			SUNSET
	808 ONDR	8 S	1324.4	1324.4	0.2	36			SUNSET
	536 ONDR	8 S	1342.8	1342.8	0.2	18			SUNSET
	1415 SGMR	4 S/F	1839.1	1839.3	1.5	113.9	34.2		
	606 SGMR	4 S/F	1839.1	1839.6	1	24.8	7.4		
	410 SGMR	6 S	1839.6	1839.8	.3	8.4	2.5		
	245 SGMR	6 S	1839.4	1839.7	1.2	77	23.1		
	606 SGMR	22 GRF	2007.7	2022.4	46.4	7.4	2.2		
	410 SGMR	5 S	2000.3	2002.7	8.4	1.6	.5		
	245 SGMR	6 S	2000.9	2006	6.7	2.5	.8		
21	260 ONDR	3 S	0904	0904.8	2.5	7	2.6		
	260 ONDR	21 GRF	1111	1303.3	118	8	5		
	930 BORD	1 S	1125.6	1125.7	0.1	10	1		
	260 ONDR	42 SER	1320	1343.7	33.5	13	1.4		SUNSET
	260 ONDR	45 C	1409.2	1409.2	5	23	6.3		SUNSET
	18 MCMA	6 S	1506	1508	3			1	
	410 SGMR	6 S	1507.1	1507.3	1	6.5	1.3		
	245 SGMR	6 S	1507	1507.3	1	32.8	6.6		
	18 MCMA	5 S	1550	1552	2			1	
	18 MCMA	6 S	1640	1641	2			1	
22	260 ONDR	8 S	1134.3	1134.3	0.2	61			
	260 ONDR	8 S	1141.2	1141.2	6.2	78			
	260 ONDR	9 S	1230.8	1230.8	0.3	32 U			
23	260 ONDR	8 S	1026	1026	0.2	14			
	260 ONDR	8 S	1029.3	1029.3	0.2	7			
	930 BORD	45 C	1543.3	1543.5	0.2	13	2		
24	930 BORD	1 S	1119.6	1119.6	0.1	10	1		
28	9240 ARCE	20	1004.5	1037.5	80				
30	100 HIRA	45 C	0124	0126.3	4	110	30		ML
	4800 ATHN	4	0842.4	0843.2	2.9	20.2	6.1		

Reports received from the following observatories:

ARCE = Arcetri	DWIN = Dwingeloo	MANI = Manila	PENN = Penn. State Univ.	SYDN = Sydney
BERL = Berlin-Adlershof	GORK = Gorky	MCMA = McMath-Hulbert	PENT = Penticton	TORN = Torun
BORD = Bordeaux	HIRA = Hiraio	ONDR = Ondrejov	POTS = Potsdam	TRST = Trieste
BOUL = Boulder	HUAN = Huancayo	OTTA = Ottawa ARO	SAOP = Sao Paulo	TYKW = Toyokawa
			SGMR = Sagamore Hill	UPIC = Upice

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 +

SGD 371 Part II (Comprehensive)

DECEMBER 1974 DATA

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DEC. 1, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
FLARES																															
Bursts	cm																														
	dm																														
	m																														
	Dkm																														
SID																															
X-Rays																															
Ap 60Q	Kp	10		0+			0+				10			10			2-			3-				30							
	sc																														
Aurora	USSR																														
	W.F.	φ = 58° 2400 (glow) S. Scotland																													
Cosmic Rays																															
Green Corona		E Limb 7 days earlier: NE- no data										SE- no data					W Limb 7 days later: NW- no data					SW- no data									
Indices		Rz: 0 (Final)					IOcm flux: 82					Flare: 0/24.0					Ca: no data					Ip: -					Ia: 2				
Solar Regions																															
Sunspots																															

DEC. 2, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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DEC. 3, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
FLARES																															
Bursts	cm																														
	dm																														
	m																														
	Dkm																														
SID																															
X-Rays																															
Ap	15	Kp	3+		30		2+		3-		3-		20		4+		3+														
		sc																													
Aurora		USSR																													
		W.E.																													
Cosmic Rays																															
Green Corona		E Limb 7 days earlier: NE- no data										SE- no data					W Limb 7 days later: NW- moderately bright					SW- moderately bright									
Indices		Rz: 9					IOcm flux: 79					Flare: 0/23.0					Ca: 3.9					Ip: 0					Ia: 2				
Solar Regions		13363 S12																													
Sunspots																															

DEC. 4, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
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Dec 74

DEC. 5, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
FLARES																											
Bursts	cm																										
	dm																										
	m																										
	Dkm																										
SID																											
X-Rays																											
Ap 70Q	Kp	1-		1-				1-				10				2+				2+				30		20	
	sc																										
Aurora	USSR																										
	W.E.																										
Cosmic Rays																											
Green Corona		E Limb 7 days earlier: NE- SE- W Limb 7 days later: NW- SW-																									
Indices		R2: 17 10cm flux: 75 Flare: 0/21,9 Cg: no data Ip: 0 Ia: 3																									
Solar Regions		13371 S20 13362 S13 (5)																									
Sunsports																											

DEC. 6, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
FLARES																											
Bursts	cm																										
	dm																										
	m																										
	Dkm																										
SID																											
X-Rays																											
Ap 40Q	Kp	20			2-				1-				2-			10			10			0+			1-		
	sc																										
Aurora	USSR																										
	W.E.																										
Cosmic Rays																											
Green Corona																											
Indices																											
Solar Regions																											
Sunsports																											

DEC. 7, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
FLARES																													
Bursts	cm																												
	dm																												
	m																												
	Dkm	III																											
SID																													
X-Rays																													
Ap 8Q	Kp	2-				1+				2-				2+				3-				3-			2-			20	
	sc																												
Aurora	USSR																												
	W.E.																												
Cosmic Rays																													
Green Corona	E Limb 7 days earlier: NE-	no data										SE-	no data										W Limb 7 days later: NW-	SW-					
Indices	Rz: 7	10cm flux: 73										Flare: 0/23.7	Cq: no data										Ip: -	Ia: 1					
Solar Regions	(13374) S12																												
Sunsports																													

DEC. 8, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	2
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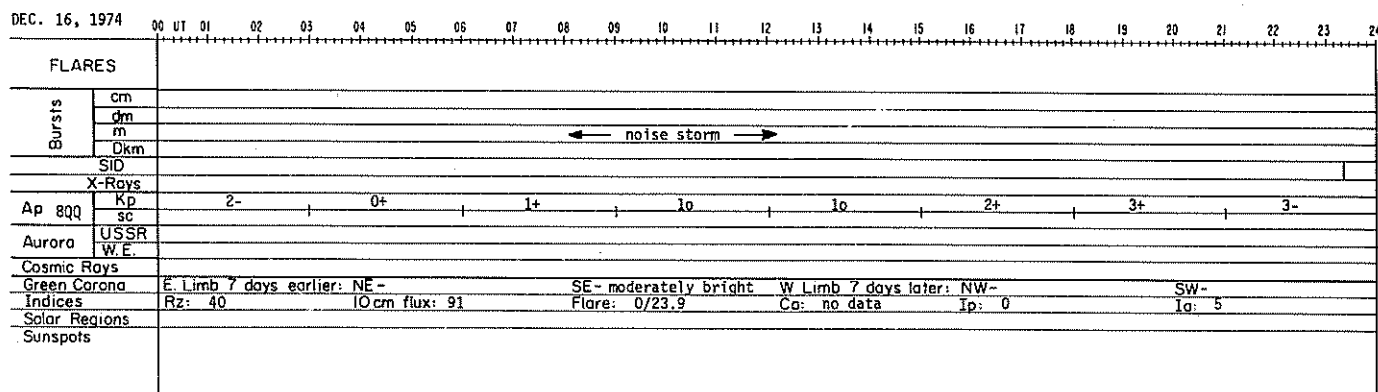
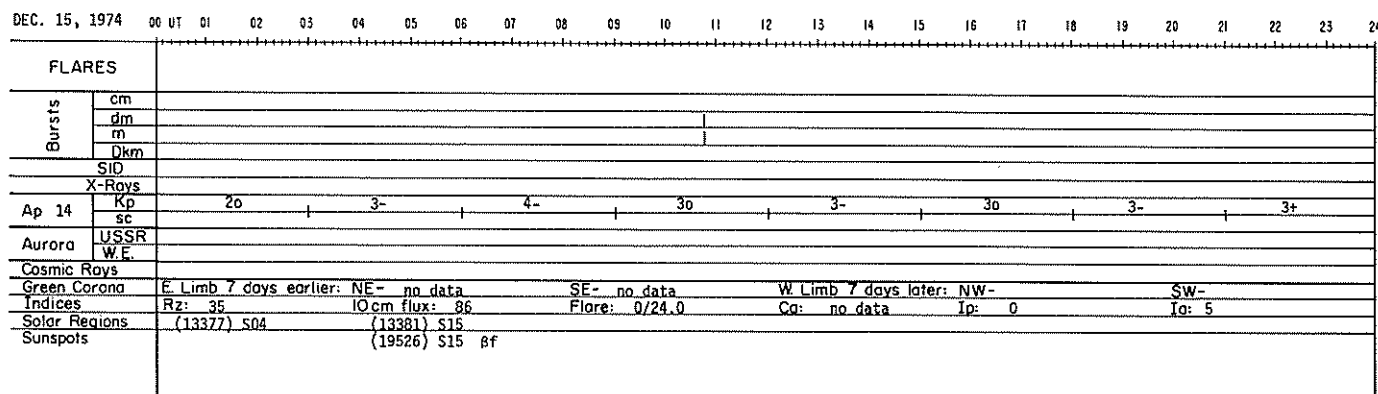
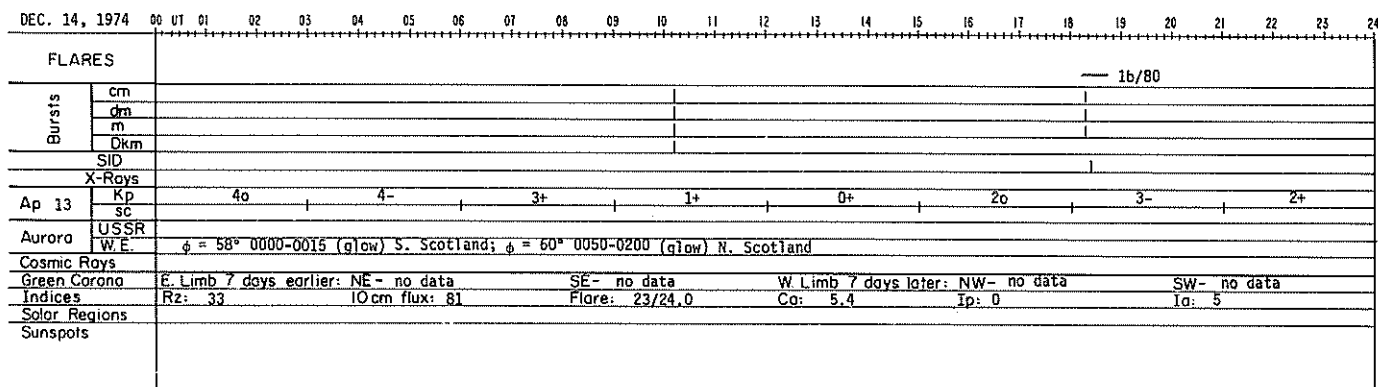
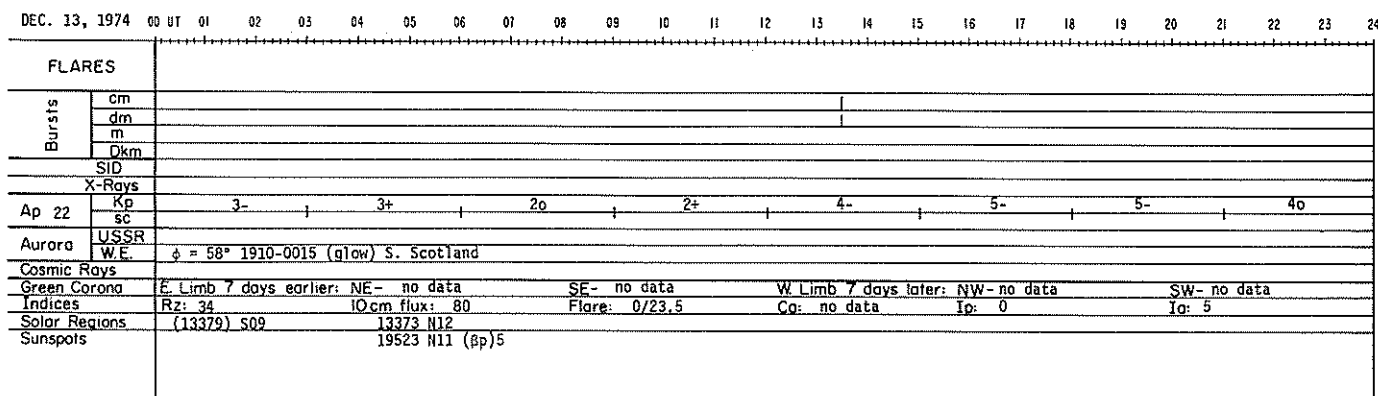
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Dec 74

DEC. 9, 1974																							
FLARES																							
Bursts	cm																						
	dm																						
	m																						
	Dkm																						
SID																							
X-Rays																							
Ap 420	Kp	4o		5o		4o		5o		5o		5+		5o		4+							
	sc																						
Aurora	USSR	$\phi = 59^{\circ}$ 1200-1300 (HB1); $\phi = 57^{\circ}$ 1300 (HA1), 1400-1800 (R1A2) and 1900-2000 (HA2); $\phi = 56^{\circ}$ 2100-2400 (HP1)																					
	W.E.	$\phi = 59^{\circ}$ (overhead $\phi = 63^{\circ}$ -64°) 1600-1630 (HB) S. Norway																					
Cosmic Rays																							
Green Corona	E Limb 7 days earlier: NE- no data SE- no data W Limb 7 days later: NW- SW-																						
Indices	Rz: 0	IOcm flux: 72				Flare: 0/22.8				Ca: 2.0				Ip: 0				Ia: 5					
Solar Regions	{13376} N14 13375 S34																						
Sunspots	(19522) N14 (ap)2																						

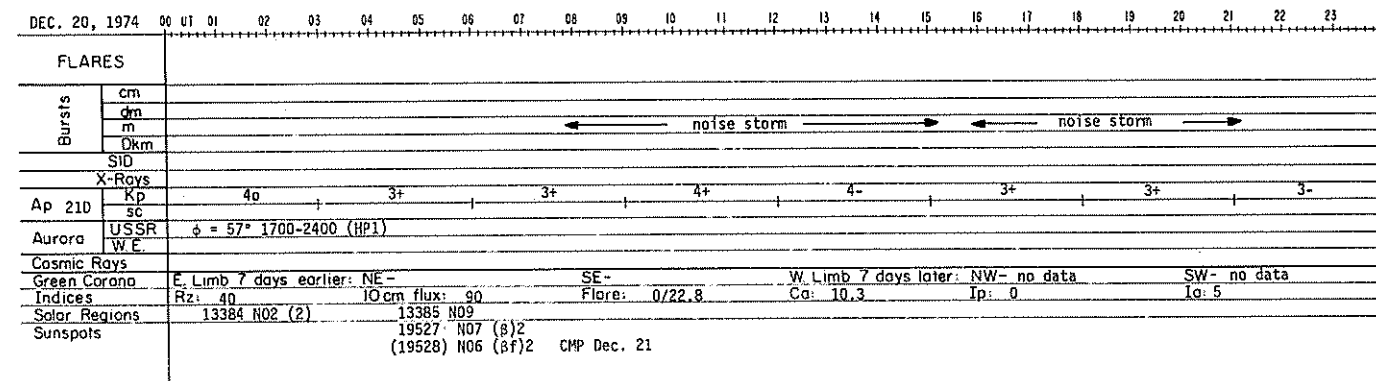
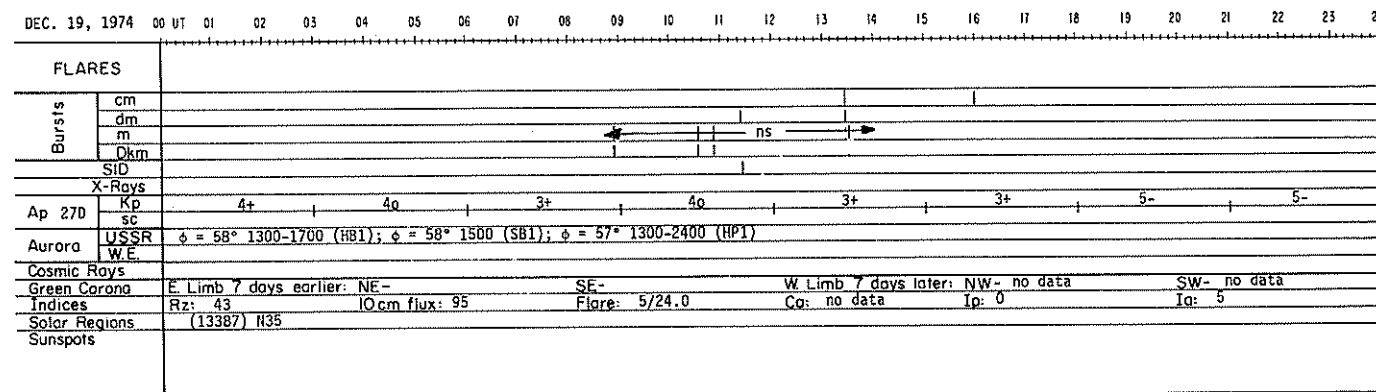
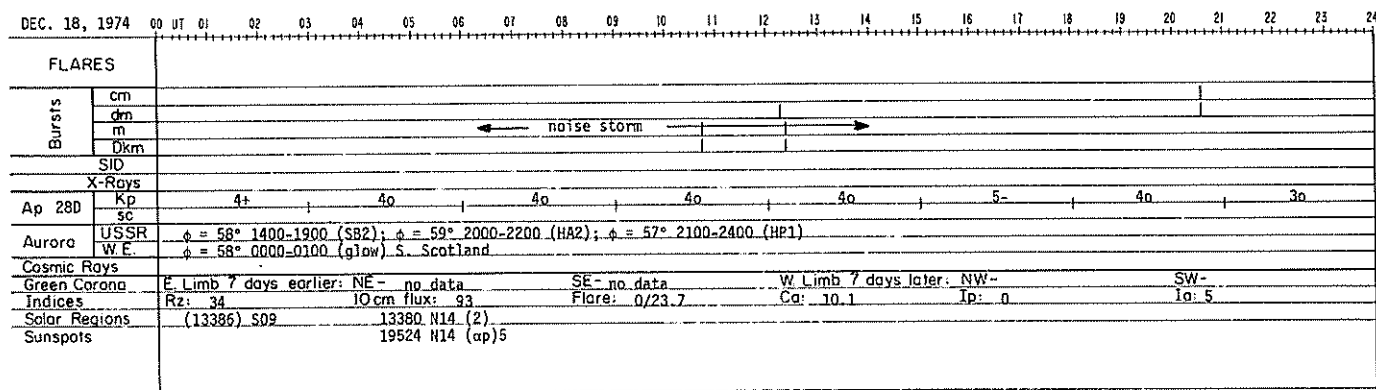
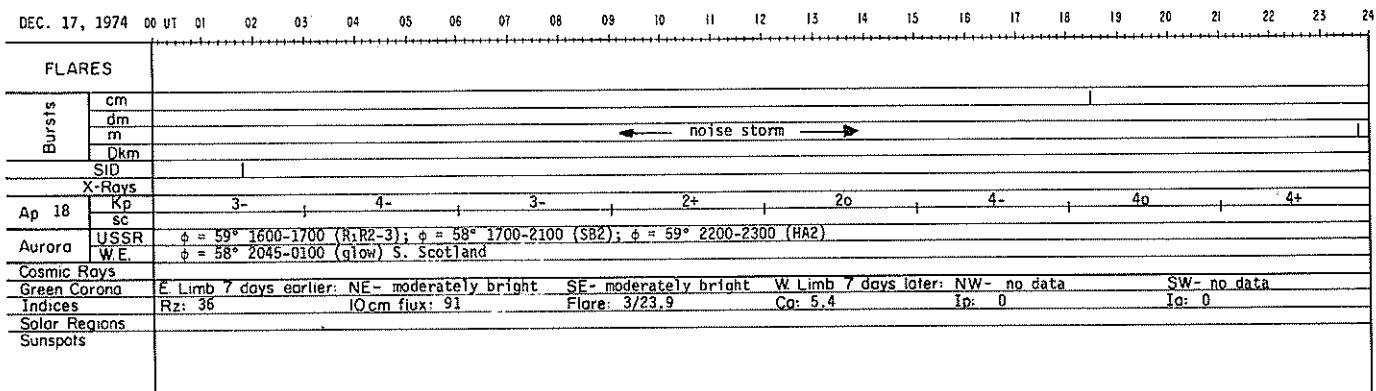
DEC. 10, 1974																							
FLARES																							
Bursts	cm																						
	dcm																						
	m																						
	Dkm																						
SID																							
X-Rays																							
Ap 20	Kp	4+ 4o 4- 2+ 3+ 4- 3o 3-																					
	sc																						
Aurora	USSR	φ = 55° 1700 (HA1); φ = 54° 1800 (V1); φ = 53° 1600-2100 (HP1-2)																					
	W.E.	φ = 60° 0150-0400 (glow) N. Scotland																					
Cosmic Rays																							
Green Corona		E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-																					
Indices		Rz: 9 IOcm flux: 73 Flare: 0/22.6 Ca: 1.7 Ip: 0 Ia: 6																					
Solar Regions																							
Sunspots																							

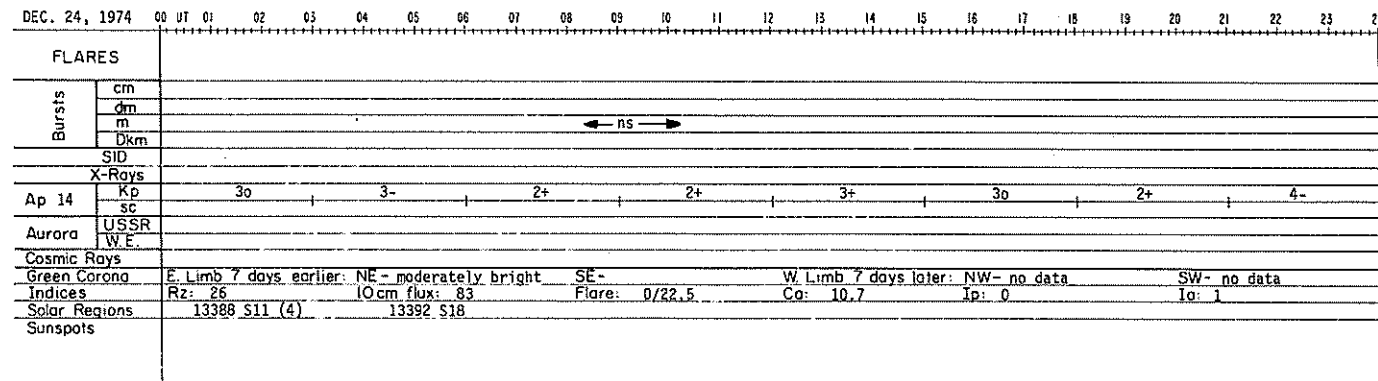
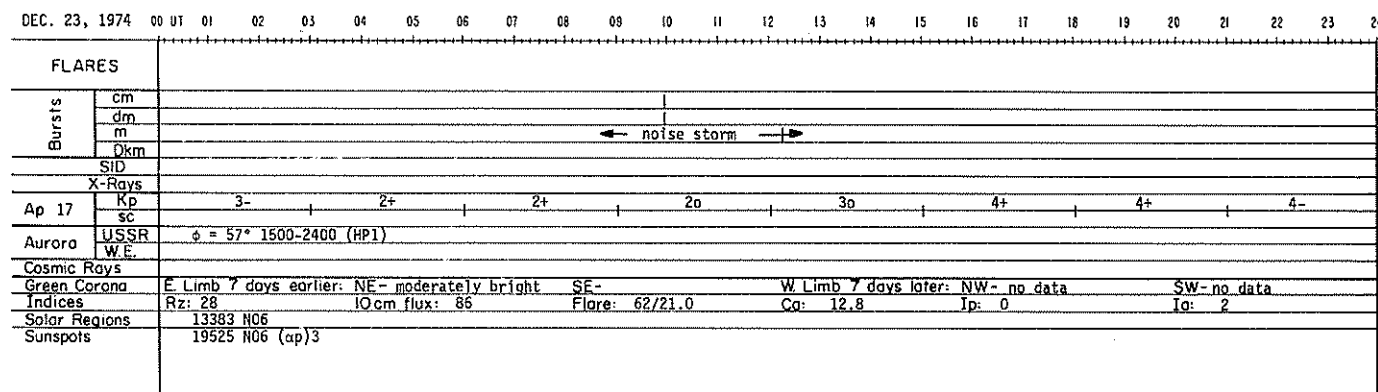
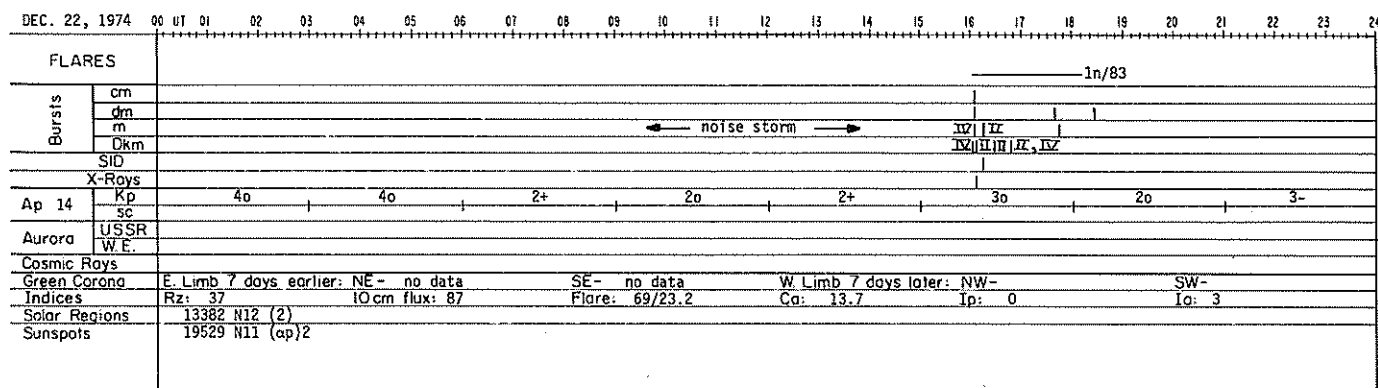
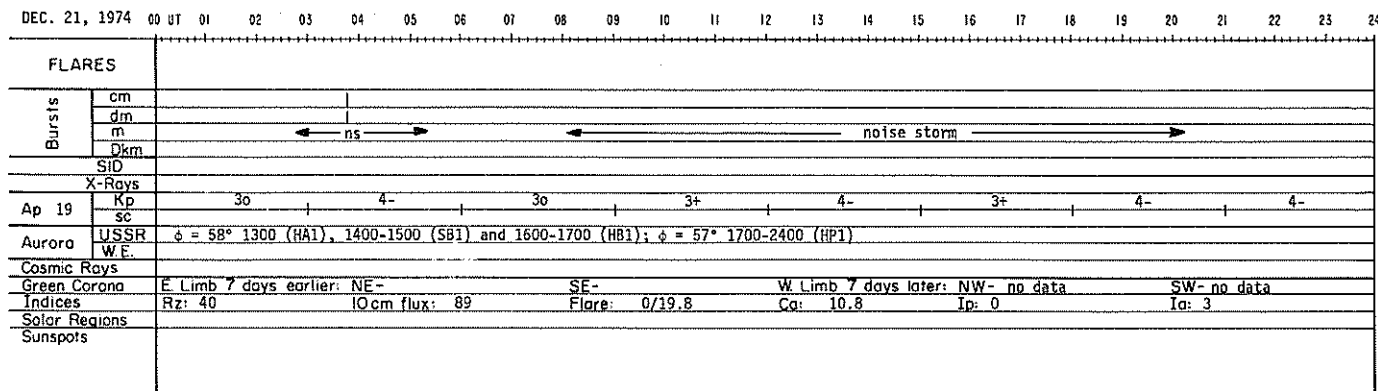
DEC. 11, 1974																																					
FLARES																																					
Bursts	cm																																				
	dm																																				
	m																																				
	Dkm																																				
SID																																					
X-Rays																																					
Ap 21	Kp	3-		4-			3+			4o			4o			3+			4+			2+															
Aurora	USSR	$\phi = 58^{\circ}$ 0900-1000 and 1300 (HA1); $\phi = 58^{\circ}$ 1100-1200 (SB2)																																			
	W.E.	$\phi = 58^{\circ}$ (overhead $\phi = 64^{\circ}$ -65°) 0320-0400 (RA) W. Atlantic																																			
Cosmic Rays																																					
Green Corona		E. Limb 7 days earlier: NE-						SE-						W. Limb 7 days later: NW- no data						SW- no data																	
Indices		Rz: 21						IOcm flux: 79						Flare: 0/23.7						Ca: 1.8						Ip: 0						Ia: 6					
Solar Regions		(13378) N09						(13372) N13																													
Sunspots																																					

DEC. 12, 1974		00	UT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
FLARES																													
Bursts	cm																												
	dm																												
	m																												
	Dkm																												
SID																													
X-Rays																													
Ap 18	Kp	3o + 4- + 4- + 3+ + 4o + 3+ + 2o + 3o																											
	sc																												
Aurora	USSR																												
	W.E.																												
Cosmic Rays																													
Green Corona		E. Limb 7 days earlier: NE- no data																											



18
Dec 74





20
Dec 74

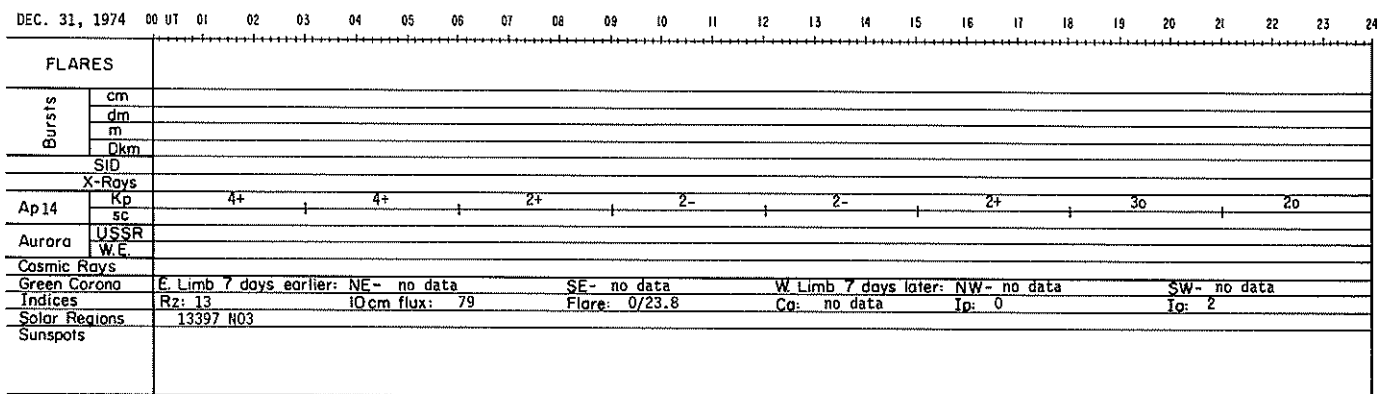
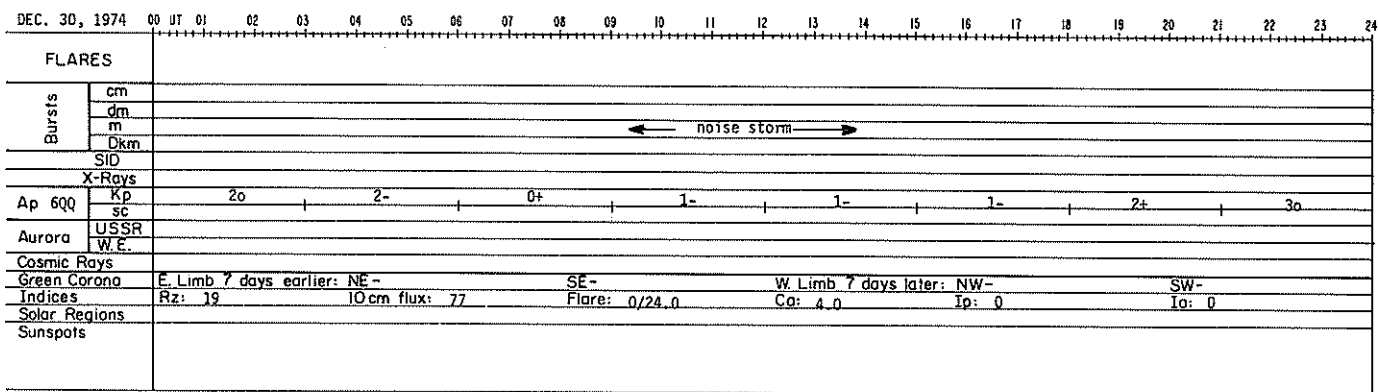
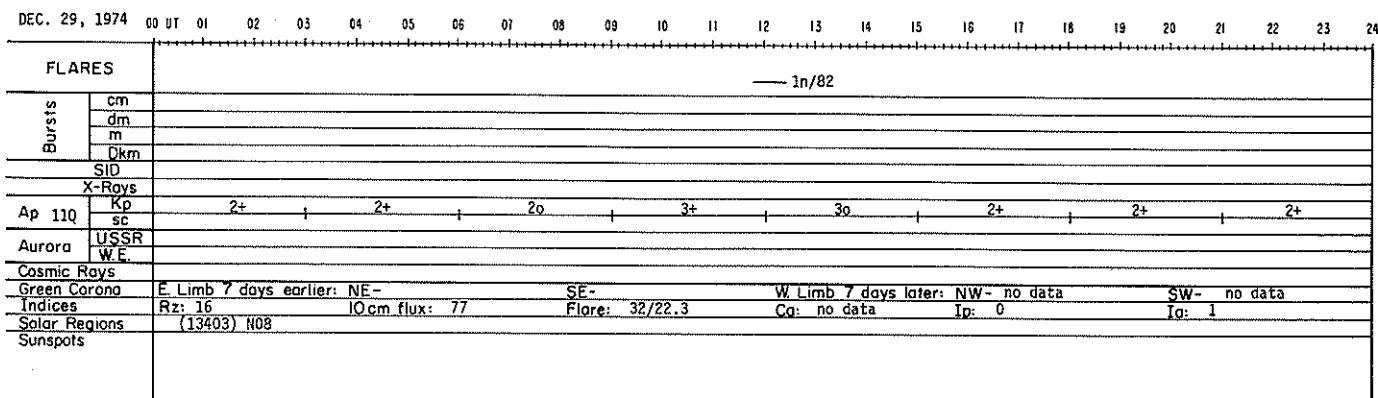
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Indices		Rz: 9 IOcm flux: 82 Flare: 60/24.0 Ca: 6.4 Ip: 0 Ia: 2																																																		
Solar Regions		(13390) S06 (13389) N17 (13398) S06																																																		
Sunspots																																																				

DEC. 26, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
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	W E.																										
Cosmic Rays																											
Green Corona		E. Limb 7 days earlier: NE - no data SE - no data W. Limb 7 days later: NW - SW -																									
Indices		Rz: 8 10 cm flux: 78 Flare: 0/23,3 Ca: 4.8 Ip: 0 Ia: 0																									
Solar Regions		(13391) N14 (13394) N15 (13399) N06 (13393) S45																									
Sunspots		(19530) N15 Bp CMP Dec. 25																									

DEC. 27, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
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Cosmic Rays																													
Green Corona		E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- no data SW- no data																											
Indices		Rz: 8 10cm flux: 77 Flare: 29/23.2 Cg: no data Ip: 0 Ig: 3																											
Solar Regions		(13405) S27 (13404) N08																											
Sunspots		(19532) N08 (B)3																											

DEC. 28, 1974		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																
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	sc																																									
Aurora	USSR																																									
	W.E.																																									
Cosmic Rays																																										
Green Corona	E. Limb 7 days earlier: NE - no data							SE - no data							W. Limb 7 days later: NW - no data							SW - no data																				
Indices	Rz: 20							10cm flux: 76							Flare: 0/22.6							Cd: 3.6							Ip: 0							Ig: 2						
Solar Regions	(13395) N20							13395 N09																																		
Sunspots	N08																																									

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Dec 74



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Dec 74

REGIONAL FLARE INDEX

DECEMBER 1974

MC MATH PLAGE NO.	LAT	CMP DATE	DATE FIRST FLARE	DATE LAST FLARE	FLARE-INDEX SUM	FLARE-INDEX MEAN	TOTAL NO. OF FLARES
13373	N12	74/12/13.3	74/12/12	74/12/17	13.38	2.23	2
13380	N14	74/12/18.8	74/12/14	74/12/14	22.83	22.83	1
13382	N12	74/12/22.7	74/12/29	74/12/29	29.15	29.15	1
13383	N 6	74/12/23.8	74/12/19	74/12/27	225.36	25.31	6
13404	N 8	74/12/28.0	75/01/03	75/01/03	1.07	1.37	1

Note:

The Regional Flare Index and count of flares in each region has in previous months included each maximum of a multi-maximum event. This has caused some regions to appear to be more flare producing than is probably warranted. Beginning with April 1972 only the principal maximum of a multi-maximum event will be used in the calculation. Also note that only the Confirmed Events as selected for the "I.A.U. Quarterly Bulletin on Solar Activity" are included in the calculation.

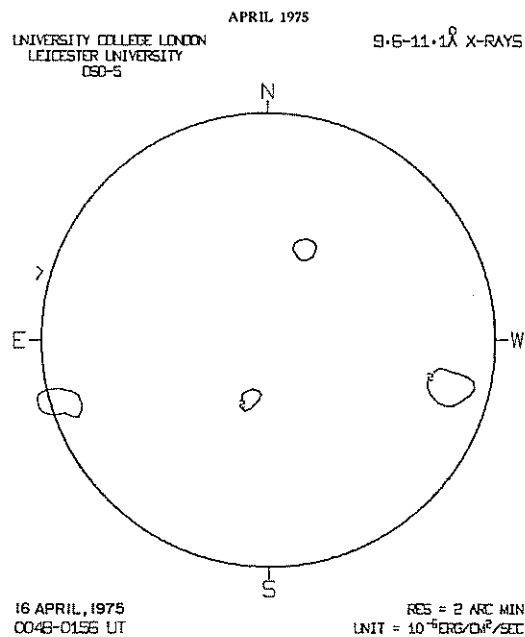
Because of differences in method of calculation, the dates of Central Meridian Passage for the McMath Plage Regions vary somewhat from those given elsewhere. Any region not listed here produced no confirmed flares during its disk passage.

MISCELLANEOUS DATA

Contents

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<u>Daily Solar Activity Centers</u>	
X-ray - OSO-5 -- April 1975	24

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Misc
Apr 75



No activity was shown on the maps drawn for the month of April 1975 at the following times:

Day	Time	Day	Time
1	0350-0445 UT	17	0046-0145 UT
3	0146-0247	18	0520-0605
4	2311-0048	19	0812-0915
5	2350-0050	20	0359-0457
7	0549-0628	21	0431-0528
8	0517-0615	22	0446-0526
9	0544-0626	23	0433-0615
10	0451-0550	24	0531-0813
11	0110-0219	25	0117-0300

UAG Series of Reports

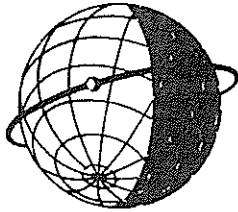
Prepared by World Data Center A for Solar-Terrestrial Physics, NOAA, Boulder, Colorado, U.S.A.

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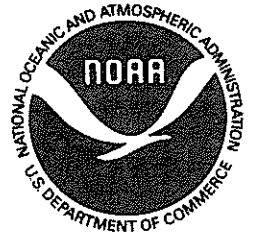
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WORLD DATA CENTER A

FOR

SOLAR-TERRESTRIAL PHYSICS



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