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Solar - Geophysical Data

NO. 365 JANUARY 1975

Part II (Comprehensive Reports)

DATA FOR
JULY 1974
JUNE 1974
& MISCELLANEA

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

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SOLAR - GEOPHYSICAL DATA

No. 365

Issued in two parts

Hope I. Leighton, Editor

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

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JULY 1974 DATA

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H α SOLAR FLARES Confirmed JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS. COND.	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	CENTRAL MER. DIST.	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. G		
497 MANI	01	0037E	0050	0038	S14	E34	.611 13043	3.6	13D	1N	2	0038	1.86	2.32			F	2
GRP60498	01	0301	0320	0307	S17	E30	.583 13043	3.4	19	--F	2		.30				2 2 2 4	
PALE	01	0301	0320	0306	S17	E30	.583 13043	3.4	19	-N	2		.27				F	
TEHR	01	0303E	0319	0308U	S17	E30	.583 13043	3.4	16D	-F	3		.33					
499 ATHN	01	0400	0414	0402	S10	W10	.280 13030	28.4	14	--F	2		.33				OE	4
GRP60500	01	0455	0504	0458	S10	W09	.270 13030	30.5	9	--N			.59				3 3 3 5	
MANI	01	0455E	0457D	0455U	S11	W10	.293 13030	28.5	20	-F	1	0455	.52	.54			EJ	
VORO	01	0455	0502	0458	S11	W08	.275 13030	28.6	7	-B		0458	.99	1.00			DE	
TEHR	01	0456	0505	0500	S09	W09	.257 13030	28.5	9	-N	3		.25					
GRP60502	01	0602	0616	0605	S10	W10	.280 13030	30.5	14	--N			.65				3 3 3 5	
TEHR	01	0600	0616D	0607	S09	W09	.257 13030	28.6	16D	-N	3		.50				DE	
MANI	01	0603E	0612D	0603U	S11	W10	.293 13030	28.5	9D	-N	2	0603	1.13	1.18			F	
ATHN	01	0604	0616	0605	S10	W10	.280 13030	28.5	12	-N	2		.33				DE	
GRP60503	01	0647	0712	0656	S11	W09	.284 13030	30.6	25	--N			.78				2 2 2 4	
MANI	01	0639	0712	0655	S11	W09	.284 13030	28.6	33	-N			1.03	1.07				
MANI	01	0639	0712	0645	S11	W09	.284 13030	28.6	33	-F	2	0645	.41	.43			F	
MONT	01	0654	0711	0657	S11	W09	.284 13030	28.6	17	-N		0657	.52				E	
GRP60504	01	0734	0739	0735	S11	W10	.293 13030	30.6	5	--F			.28				2 2 2 5	
ATHN	01	0733	0738	0734	S11	W11	.303 13030	28.5	5	-F	1	0734	.34	.33				
MONT	01	0734	0740	0735	S11	W09	.284 13030	28.6	6	-N		0735	.21				D	
GRP60507	01	0808	0822	0812	S11	W11	.303 13030	30.5	14	--N			.65				5 5 5 7	
MANI	01	0806E	0817	0809	S11	W11	.303 13030	28.5	11D	-B	1	0809	.62	.65			F.	
MONT	01	0807	0826	0809	S11	W09	.284 13030	28.7	19	-N		0809	.52					
ATHN	01	0808	0818	0810	S11	W11	.303 13030	28.5	10	-N	1	0810	.52	.50				
ARCE	01	0809	0820	0811	S10	W12	.302 13030	28.4	11	-N		0811	.63	.70				
ABST	01	0819E	0828	0820	S10	W12	.302 13030	28.4	9D	-F		0820	.96	1.00			E	
GRP60508	01	0849	0919	0856	S14	E36	.636 13043	4.1	30	--F			.54				2 2 2 7	
ABST	01	0848	0930	0857	S14	E35	.624 13043	4.0	42	-F		0857	.87	1.10			F	
MONT	01	0850	0907	0854	S13	E36	.631 13043	4.1	17	-N		0854	.21				OW	
GRP60509	01	0853	0906	0856	S11	W11	.303 13030	30.5	13	--N			.90				7 7 7 7	
ARCE	01	0850E	0900D		S10	W11	.290 13030	28.5	100	-B		0855	.50	.50				
MANI	01	0850	0857D	0854	S11	W11	.303 13030	28.5	7D	-N	2	0854	.62	.65			F	
HERS	01	0852E	0906	0857	S10	W11	.290 13030	28.5	14D	-B		0857	1.49	1.50	1.18		D	
MONT	01	0852	0906	0855	S11	W10	.293 13030	28.6	14	-N		0855	1.13					
ABST	01	0854	0907	0857	S10	W12	.302 13030	28.5	13	-N		0857	1.31	1.40			DV	
ATHN	01	0854	0905	0855	S11	W12	.314 13030	28.5	11	-N	1	0855	.68	.64				
CATA	01	0856	0900D	0856	S11	W11	.303 13030	28.5	4D	-B	1	0856	.58	.60			(295)	
GRP60511	01	1035	1047	1036	S13	E28	.530 13043	3.5	12	-B			1.49				6 6 6 7	
ABST	01	1034	1048	1036	S12	E27	.510 13043	3.5	14	1B		1036	2.44	3.00	.99		F	
ATHN	01	1034	1049	1036	S12	E28	.523 13043	3.5	15	-N	1	1036	.85	.88				
ARCE	01	1035E	1045D		S13	E27	.517 13043	3.5	10D	-B		1035	.60	.70				
CATA	01	1035	1045	1035	S13	E28	.530 13043	3.5	10	1B	3	1035	1.73	2.05			(355)	
MONT	01	1035	1046	1036	S12	E28	.523 13043	3.5	11	1N		1036	2.58					
MCMA	01	1036E	1048D		S15	E29	.556 13043	3.6	12D	-B		1036	.72	.90			BE	
GRP60512	01	1052	1127	1112	S13	E35	.618 13043	4.1	35	-N			1.41				4 3 3 5	
MONT	01	1052	1124	1111	S13	E35	.618 13043	4.1	32	-N		1111	1.13					
ABST	01	1052E	1131D	1112	S13	E35	.618 13043	4.1	39D	1N		1112	2.36	3.10	.89		FU	
ATHN	01	1053	1124	1055	S14	E33	.599 13043	3.9	31	-N	1	1055	.52	.53				
RAMY	01	1114E	1126	1114U	S13	E35	.618 13043	4.1	12D	-N	3		.74				UOE	
GRP60513	01	1156	1215	1200	S15	E33	.605 13043	4.0	19	-N			.98				3 3 3 4	
MONT	01	1154	1213	1158	S13	E35	.618 13043	4.1	19	-N		1158	1.86					
MCMA	01	1155	1212	1159	S17	E32	.606 13043	3.9	17	-N		1155	.41	.50			E	
ATHN	01	1158	1220	1202	S14	E33	.599 13043	4.0	22	-N	1	1202	.68	.70				
GRP60515	01	1259	1345	1305	S14	E35	.624 13043	4.2	46	--F			.83				3 3 3 7	
MONT	01	1256	1346	1309	S13	E34	.606 13043	4.1	50	-N		1309	.62				E	
RAMY	01	1257	1345	1300	S15	E34	.617 13043	4.1	48	-F	3		1.02				DE	
ATHN	01	1305	1344	1306	S13	E36	.631 13043	4.2	39	-F	1	1306	.85	.88				
GRP60517	01	1557	1616	1600	S13	E25	.492 13043	3.5	19	-B			1.65				5 5 4 6	
MONT	01	1544	1600	1549	S16	E30	.576 13043	3.9	16	-N		1549	1.13				E	
MCMA	01	1556	1625	1559	S12	E24	.471 13043	3.5	29	-B		1559	1.44	1.50			EL	
MEUD	01	1556	1612	1559	S13	E25	.492 13043	3.5	16	-B		1559	1.55	1.70				
MONT	01	1556	1623	1600	S13	E24	.479 13043	3.5	27	1N		1600	2.58					
BOUL	01	1557	1610	1558	S12	E24	.471 13043	3.5	13	-B		1558		1.80				
ATHN	01	1558	1612	1603	S13	E23	.466 13043	3.4	14	-N	1	1603	1.02	1.01				

H α SOLAR FLARES

Confirmed

JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND.	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMA PLAGE REGION	OMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60518	01	1612	1650	1626	S14	E30	.562	13043	3.9	38	--N		.65				6 5 5 7
MCMA	01	1605E	17000	1619	S15	E30	.569	13043	3.9	550	-N	C	1619	.83	.90		E
HONT	01	1605	1654	1615	S14	E30	.562	13043	3.9	49	-N	C	1615	.72			E
HUAN	01	1610E	16190		S13	E28	.530	13043	3.8	90	-F	1 P	1614	.46	.56		E
MEUD	01	1617	1635	1626	S15	E30	.569	13043	3.9	18	-N	C	1626	.41	.50		
MEUD	01	1617	1635	1619	S15	E30	.569	13043	3.9	18	-N	C					
ATHN	01	1621	1649	1624	S13	E34	.606	13043	4.2	28	-N	1 C	1624	.85	.88		
PALE	01	1646E	1712	1646U	S15	E31	.581	13043	4.0	260	-N	2 C		.99			U
6 STATIONS REPORTING GROUP 60519. 2 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60519	01	1724	1851	1730	S14	E30	.562	13043	4.0	87	-F		.48				4 4 4 8
MEUD	01	1723	17340		S15	E30	.569	13043	4.0	110	-F	C	1730	.31	.40		
HONT	01	1724	17400	1735	S14	E30	.562	13043	4.0	160	-N	C	1735	.52			E
PALE	01	1725E	18510	1725U	S14	E30	.562	13043	4.0	860	-N	2 C		.55			U
HUAN	01	1729E	17430		S14	E31	.574	13043	4.1	140	-F	2 P	1735	.52	.64		E
60519	01	1802	1915	1828	S14	E33	.599	13043	4.2	73	*-N		1.41				3 3 3 4
BOUL	01	1802	19000	1828	S14	E33	.599	13043	4.2	580	-N	C	1828	1.71	2.05		
MCMA	01	1829E	19150		S15	E33	.605	13043	4.2	460	1N	C	1829	1.65	2.10		F
HUAN	01	1836E	18370		S13	E34	.606	13043	4.3	10	-F	1 P	1836	.88	1.09		E
GRP60520	01	1955	2005	1957	S16	E29	.564	13043	4.0	10	--F		.41				2 2 1 3
HJAN	01	1955	2005	1957	S16	E28	.552	13043	3.9	10	-F	1 C					
PALE	01	1956E	19580	1957U	S16	E29	.564	13043	4.0	20	-F	2 C		.41			
	01	2059	2205	NO FLARE PATROL													
GRP60521	01	2205	2252	2223	S13	E30	.555	13043	4.2	47	-B		1.66				2 2 2 3
VORO	01	2205E	2249		S12	E29	.536	13043	4.1	440	1B	C	2214	1.88	2.30221.45	84	EJ
MANI	01	2220E	2255	2223	S13	E30	.555	13043	4.2	350	-N	1 C	2223	1.44	1.72		F
MANI	01	2220E	2255	2246	S13	E30	.555	13043	4.2	350	-F		2246	1.44	1.72		
GRP60522	01	2334	0037	0003	S15	E27	.532	13043	4.0	63	-N		1.27				2 2 2 4
MANI	01	2333E	0000	2352	S15	E28	.544	13043	4.1	270	-N		2352	1.24	1.46		
MANI	01	2333E	00000	2344	S15	E28	.544	13043	4.1	270	-N	2 C	2344	1.24	1.46		F
BOUL	01	2335	00220	0004	S15	E26	.520	13043	3.9	470	-N	C	0004	1.50	1.67		
MANI	02	0000E	00370	0002	S15	E28	.545	13043	4.1	370	-N	2 C	0002	1.03	1.22		F
MANI	02	0000E	00370	0004	S15	E28	.545	13043	4.1	370	-N		0004	.83	.97		
MANI	02	0000E	00370	0006	S15	E28	.545	13043	4.1	370	-N		0006	.83	.97		
MANI	02	0000E	00370	0016	S15	E28	.545	13043	4.1	370	-N		0016	.83	.97		
MANI	02	0000E	00370	0011	S15	E28	.545	13043	4.1	370	-N		0011	.83	.97		
GRP60523	02	0112	0122	0116	S12	E18	.396	13043	3.4	10	--N		.63				3 3 3 5
BOUL	02	0109	01230	0117	S13	E19	.418	13043	3.5	140	-F	C	0117	.64	.66		
PALE	02	0113	0117	0115	S12	E14	.349	13043	3.1	4	-N	2 V		.36			F
VORO	02	0115	0127	0116	S12	E21	.433	13043	3.6	12	-N	C	0122	.90	1.00	59	D
GRP60525	02	0235	0257	0243	S13	E27	.518	13043	4.1	22	--B		.71				2 2 2 4
MANI	02	0232E	02590	0244	S15	E24	.497	13043	3.9	270	-N	2 C	0244	.52	.59		F
VORO	02	0237	0254	0242	S11	E27	.504	13043	4.1	17	-B	C	0242	.90	1.00	64	DJ
MANI	02	0250	02590	0252	S13	E29	.543	13043	4.3	90	-F	2 C	0252	.21	.25		
2 STATIONS REPORTING GROUP 60528. 3 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60528	02	0414	0436	0418	S13	E18	.406	13043	3.5	22	--F		.65				2 2 2 5
ATHN	02	0412	04330	0415	S12	E18	.396	13043	3.5	210	-F	3 C		.33			DE
ABST	02	0415	0436	0420	S13	E18	.406	13043	3.5	20	-F	C	0420	.96	1.10		F
528 ABST	02	0422	0430	0424	S15	E23	.485	13043	3.9	8	*-F	C	0424	.96	1.10		F
GRP60529	02	0451	0540	0455	S15	E23	.485	13043	3.9	49	--F		1.26				2 2 2 4
A3ST	02	0449	05000	0457	S17	E24	.515	13043	4.0	710	1N	P	0457	1.83	2.20	.74	FU
ATHN	02	0452	0519	0453	S13	E22	.455	13043	3.9	27	-F	1 C	0453	.68	.68		
GRP60530	02	0544	0603	0545	S14	E23	.476	13043	4.0	19	--N		.40				2 2 2 4
MANI	02	0543E	05550	0544	S15	E22	.473	13043	3.9	120	-N	2 C	0544	.62	.69		
MANI	02	0543E	05550	0549	S15	E22	.473	13043	3.9	120	-N		0549	.62	.69		
ATHN	02	0545	0603	0546	S13	E23	.467	13043	4.0	18	-N	1 C	0546	.17	.16		
GRP60531	02	0600	0631	0618	S16	E22	.483	13043	3.9	31	--B		.69				4 4 4 7
CATA	02	0600E	06200	0615	S17	E20	.471	13043	3.8	200	-B	3 C	0615	.58	.65	(363)	
MANI	02	0610E	06170	0612	S17	E22	.492	13043	3.9	70	-B	1 C	0612	.62	.71		
ATHV	02	0612E	06200	06200	S14	E23	.476	13043	4.0	80	-N	4 V		.83			DE
ATHN	02	0612E	06140	06140	S14	E23	.476	13043	4.0	20	-N	4 V		.50			DE
MEUD	02	0617E	0631	0623	S16	E20	.460	13043	3.8	140	-N	C	0623	.72	.80		
MEUD	02	0617E	0631	0618	S16	E20	.460	13043	3.8	140	-N						
MANI	02	0625E	06300	0625U	S15	E24	.497	13043	4.1	50	-N	1 C	0625	1.03	1.18		F

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H α SOLAR FLARES Confirmed JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND.	TYPE	MEASUREMENTS				REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION					CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	
7 STATIONS REPORTING GROUP 60532. 2 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60532	02	0629	0746	0649	S16	E23	.494 13043	4.0	77	1N			2.61				6 5 5 8
ABST	02	0606	0738	0648	S17	E24	.515 13043	4.1	92	1B	C	0648	2.01	2.40	.80		FK
ABST	02	0622	0711	0648	S15	E23	.485 13043	4.0	49	-N	C	0648	.87	1.10			FK
MONT	02	0629E	0803	0646	S15	E24	.497 13043	4.1	940	1N	C	0646	2.58				
CATA	02	0630E	07000	0655	S16	E23	.494 13043	4.0	300	1B	3	0655	2.90	3.33		(417)	
MEUD	02	0634	0735	0645	S15	E20	.450 13043	3.8	61	1N	C	0645	2.06	2.30			EI
KIEV	02	0638E	07450	0650	S17	E23	.503 13043	4.0	670	1N	C	0650	3.50	4.10		60	
MANI	02	0719E	07500	0730	S14	E23	.476 13043	4.0	310	1B		0730	2.17	2.42			FZ
MANI	02	0747E	07580	0747U	S16	E22	.483 13043	4.0	110	-N	2	0747	1.95	1.76			
60532	02	0657	0720	0703	S13	E17	.394 13043	3.6	23	*-N			1.56				4 4 4 8
MEUD	02	0655	0710	0702	S14	E15	.384 13043	3.4	15	-N	C	0702	.72	.80			E
MONT	02	0656	0716	0704	S12	E17	.384 13043	3.6	20	-N	C	0704	1.13				E
ABST	02	0700	0711	0702	S12	E17	.384 13043	3.6	11	-N	C	0702	.96	1.10			BT
ARCE	02	0703E	0741		S13	E20	.430 13043	3.8	380	1B	C	0703	3.41	4.10			
60532	02	0700	0739	0716	S14	E23	.476 13043	4.0	39	*1N			1.54				3 3 2 9
MEUD	02	0634	0735	0715	S15	E20	.450 13043	3.8	61	1N	C						E
ABST	02	0700	0733	0715	S12	E27	.511 13043	4.3	33	1N	C	0715	1.83	2.20			UZ
MANI	02	0719E	07500	0719U	S14	E23	.476 13043	4.0	310	-B	1	0719	1.24	1.38			
8 STATIONS REPORTING GROUP 60535. 1 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60535	02	0944	1005	0946	S16	E19	.449 13043	3.8	21	1N			2.31				6 6 6 8
ATHN	02	0943	0959	0945	S15	E18	.427 13043	3.8	16	-N	1	0945	.85	.84			
MONT	02	0943	1010	0946	S16	E20	.460 13043	3.9	27	1N	C	0946	3.40				
ABST	02	0943	1004	0946	S15	E20	.450 13043	3.9	21	1B	C	0946	2.18	2.50		83	F
ABST	02	0943	1004	0946	S18	E20	.481 13043	3.9	21	1N	C	0946	2.18	2.60		74	F
ZURI	02	0944	1006	0946	S17	E19	.460 13043	3.8	22	1N	C	0946	2.73	3.10			
CATA	02	0945	1005	0945	S17	E20	.471 13043	3.9	20	1B	3	0945	4.05	4.59		(295)	
LOCA	02	0950E	09550	0950	S12	E17	.384 13043	3.7	50	-N	V	0950	.63	.70			
60535	02	0809	1010	0906	S15	E20	.450 13043	3.8	121	*-F			1.57				2 2 2 10
MANI	02	0809E	09100	0906	S16	E21	.471 13043	3.9	610	-N		0906	1.13	1.27			
MANI	02	0809E	09100	0855	S16	E21	.471 13043	3.9	610	-N		0855	.83	.92			
MANI	02	0809E	09100	0818	S16	E21	.471 13043	3.9	610	1F	2	0818	2.06	2.30			F
ARCE	02	0901E	1010		S13	E19	.418 13043	3.8	690	-N	P	0901	1.07	1.20			
60535	02	0818	0856	0834	S16	E21	.471 13043	3.9	38	*-N			.26				2 2 2 10
MANI	02	0809E	09100	0836	S16	E21	.471 13043	3.9	610	-N		0836	.31	.35			D
MONT	02	0827	0842	0832	S16	E20	.460 13043	3.9	15	-N	C	0832	.21				
GRP60538	02	1015	1029	1018	S14	E20	.440 13043	3.9	14	--N			.66				4 4 4 7
ABST	02	1014	1031	1018	S13	E22	.455 13043	4.1	17	-F	C	1018	.96	1.10			E
MONT	02	1014	1029	1018	S14	E20	.440 13043	3.9	15	-N	C	1018	.62				E
ARCE	02	1016	1025	1019	S14	E20	.440 13043	3.9	9	-B	C	1019	.57	.60			DE
ATHN	02	1016E	1030	1018U	S13	E19	.418 13043	3.9	140	-F	4	V	.50				
GRP60541	02	1348	1415	1403	S16	E16	.418 13043	3.8	28	--F			.80				3 3 3 6
BOUL	02	1345	1427	1408	S18	E14	.424 13043	3.6	42	-F	C	1408	.32	.33			
ZURI	02	1350	1412	1358	S17	E16	.430 13043	3.8	22	-N	C	1358	1.58	1.70			DE
ATHN	02	1400E	1409	1404	S13	E19	.418 13043	4.0	90	-F	2	V	.50				
GRP60542	02	1609	1616	1611	S13	E21	.442 13043	4.2	7	--N			.55				4 4 3 5
MEUD	02	1607	1614	1611	S13	E22	.455 13043	4.3	7	-N	C	1611	.41	.40			
ZURI	02	1608	1616	1610	S13	E20	.430 13043	4.2	8	-N	C	1610	.73	.80			
BOUL	02	1610	1620	1612	S13	E21	.442 13043	4.2	10	-F	V	1612	.70				DE
RAMY	02	1610E	1615	1612	S14	E21	.452 13043	4.2	50	-N	4	V	.50				
GRP60543	02	1625	1655	1636	S13	E10	.322 13043	3.4	29	--N			.83				6 6 6 6
BOUL	02	1621	1710	1632	S13	E11	.331 13043	3.5	49	-N	C	1632	.75	.76			
RAMY	02	1627E	1654D	1640	S13	E11	.331 13043	3.5	270	-N	4	V	1.32				FDE
ZJRI	02	1627	1651	1643	S14	E10	.336 13043	3.4	24	-N	C	1643	1.26	1.30			
MEUD	02	1627	1651	1639	S13	E11	.331 13043	3.5	24	-N	C	1639	.62	.70			
ATHN	02	1628	1649	1630	S13	E10	.322 13043	3.4	21	-N	2	V	.66				DE
PALE	02	1628	16310	1630	S09	E08	.248 13043	3.3	30	-N	2	V	.36				F
PALE	02	1628	16310	1630	S09	E08	.248 13043	3.3	30	-N	2	V	.36				F
GRP60546	02	1923	2100	1939	S17	E11	.386 13043	3.6	97	-N			1.61				3 3 3 3
RAMY	02	1922E	2103D	1942	S15	E11	.358 13043	3.6	1010	-F	3	V	1.32				F
BOUL	02	1923	1951	1936	S19	E11	.414 13043	3.6	28	-N		1936	1.61	1.64			
MCMA	02	1943E	2057D		S16	E10	.365 13043	3.6	740	1N	P	1943	1.91	2.10			BE
	02	2109	2115	NO FLARE PATROL													
547 PALE	02	2220U	0003	2220U	S13	E30	.556 13043	5.2	1030	-8	2	C	1.39				U 3

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLACE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60548	02	2247	2353	2312	S15	E14	.386	13043	4.0	66	1N			2.16				4 3 3 4
CJLG	02	2242	2345	2307	S15	E14	.386	13043	4.0	63	1N	P	2307	2.27	2.31			
BOUL	02	2252	2357	2314	S15	E15	.396	13043	4.1	65	1F	C	2314	2.14	2.22			
MANI	02	2315E	2356	2315U	S16	E12	.381	13043	3.9	410	1N	2	2315	2.06	2.20			FZ
PALE	02	2352	0053	2352U	S15	E24	.497	13043	4.8	61	-N	2		1.03				U
PALE	02	2352	0053	0001U	S15	E24	.497	13043	4.8	61	-N	2		.83				U
550 MANI	03	0149	0209	0159	S12	W37	.639	13030	28.3	20	--N	2	0159	.72	.95			2
GRP60551	03	0205	0255	0214	S15	E06	.326	13043	3.5	50	-8			2.52				2 2 2 3
MANI	03	0205	0255	0216	S15	E08	.338	13043	3.7	50	18		0216	4.13	4.36			
MANI	03	0205	0255	0208	S15	E08	.338	13043	3.7	50	18	2	0208	2.06	2.18			FU
TEHR	03	0210E	02480	0212U	S15	E04	.317	13043	3.4	380	-N	2		.91				F
6 STATIONS REPORTING GROUP 60552. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60552	03	0259	0412	0318	S15	E09	.344	13043	3.8	73	18			5.00				5 5 5 5
CULG	03	0251	0400	0316	S16	E07	.347	13043	3.6	69	1N	C	0316	4.64	4.50			
TEHR	03	0258E	03450	0319	S17	E07	.362	13043	3.6	470	28	2		7.02				F
MANI	03	0300	04250	0316	S15	E08	.338	13043	3.7	850	28		0316	6.19	6.54			
K00A	03	0317	0400	0320	S15	E13	.378	13043	4.1	43	1N	C	0317	2.67	2.67	2.72		CEJ
VORO	03	0320E	0424		S13	E08	.308	13043	3.7	640	18	C	0325	4.48	4.90	32.55	92	EJH
60552	03	0300	0425	0305	S15	E08	.338	13043	3.7	85	*18			2.58				2 1 1 5
MANI	03	0300	04250	0305	S15	E08	.338	13043	3.7	850	18	2	0305	2.58	2.73			UZ
ATHN	03	0338E	0353	0338U	S15	E04	.317	13043	3.5	150	-N	2		.66				DE
60554	03	0417	0437	0420	S14	E10	.338	13043	3.9	20	--N			.74				3 3 3 7
ATHN	03	0415	0443	0420	S12	E11	.319	13043	4.0	27	-N	3		.50				DE
VORO	03	0417	0432	0419	S13	E12	.342	13043	4.1	15	-8	C	0419	1.08	1.20		77	EJ
TEHR	03	0420E	04360	0421U	S17	E07	.362	13043	3.7	160	-N	3		.64				F
9 STATIONS REPORTING GROUP 60558. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60558	03	0801	0928	0840	S14	E08	.323	13043	3.9	87	28			7.39				8 7 6 8
ATHN	03	0758	0911	0837	S15	E07	.331	13043	3.9	73	18	3		2.31				DE
MONT	03	0759	0940	0836	S15	E08	.338	13043	3.9	101	18	C	0836	5.16				
ARCE	03	0802E	0918		S15	E08	.338	13043	3.9	760	3N	C	0840	17.68	18.00			KF
CATA	03	0805	0937	0832	S15	E09	.344	13043	4.0	92	28	3		5.21	5.55		(457)	
TEHR	03	0808E	09230	0838	S13	E08	.308	13043	3.9	750	18	4		2.63				2 U
WEND	03	0822E	0934	0836	S13	E12	.342	13043	4.2	720	28	P	0836	11.34				
HUR3	03	0836E	09300	0838	S13	E05	.289	13043	3.7	540	18					3.25		D
HERS	03	0905E	0925	0905	S15	E07	.331	13043	3.9	200	-8	S	0906	1.63	1.70	1.40		BE
60558	03	0759	0917	0809	S14	E08	.323	13043	3.9	78	*-N			1.01				4 4 3 7
ATHN	03	0758	0911	0809	S15	E07	.331	13043	3.9	73	-N	3		1.16				DE
ATHN	03	0758	0911	0800	S15	E07	.331	13043	3.9	73	-N	3		.66				DE
UPIC	03	0800	08050	0803U	S16	E08	.353	13043	3.9	50	-N		0803	1.05				
TEHR	03	0808E	09230	0815	S13	E08	.308	13043	3.9	750	-8	4		.83				2 U
HURB	03	0810E	08240	0810	S12	E07	.286	13043	3.9	140	-F					1.96		
GRP60559 (See in Unconfirmed List)																		
GRP60561	03	1220	1238	1225	S12	E04	.269	13043	3.8	18	--F			.68				4 4 4 6
BOUL	03	1219	1235	1223	S13	E03	.281	13043	3.7	16	-F		1223	.86	.86			
MONT	03	1221	1241	1223	S12	E04	.269	13043	3.8	20	-N	C	1223	.83				E
ATHN	03	1221	1231	1225	S10	E03	.232	13043	3.7	10	-N	1	1225	.52	.50			
RAMY	03	1227E	1246	1230	S13	E04	.285	13043	3.8	190	-F	3		.52				DE
GRP60564	03	1401	1418	1403	S11	W01	.244	13043	3.5	17	--F			.20				4 4 3 7
MCMA	03	1359	1419	1401	S11	W03	.248	13043	3.4	20	-F		1401	.21	.20			D
BOUL	03	1401	1419	1403	S11	W02	.245	13043	3.4	18	-F	V	1403		.30			
MONT	03	1401	1417	1403	S10	W02	.229	13043	3.4	16	-F	C	1403	.21				
ATHN	03	1404	1417	1405	S10	E02	.229	13043	3.7	13	-F	1	1405	.17	.16			
GRP60565	03	1418	1438	1423	S17	E05	.353	13043	4.0	20	--F			.58				2 2 2 6
MONT	03	1417	1435	1421	S19	E01	.376	13043	3.7	18	-F	C	1421	.41				
BOUL	03	1418	1440	1425	S14	E08	.323	13043	4.2	22	-N	C	1425	.75	.76			
GRP60566	03	1453	1506	1457	S09	W46	.736	13030	30.2	13	-N			1.61				3 3 3 5
BOUL	03	1452	1509	1500	S09	W45	.725	13030	28.2	17	1N	C	1500	1.93	2.74			
MCMA	03	1453	1506	1456	S09	W46	.736	13030	28.2	12	-N	C	1456	1.03	1.50			E
MONT	03	1454	1503	1456	S09	W46	.736	13030	28.2	9	-N	C	1456	1.86				H
570 PALE	03	1811	18210	1817	S10	W47	.750	13030	28.2	100	--F	2		.45				3
GRP60571	03	1812	1847	1817	S14	E06	.310	13043	4.2	35	--F			1.27				2 2 2 3
PALE	03	1811	1833	1815	S14	E06	.310	13043	4.2	22	-F	2		.72				F
BOUL	03	1812	1900	1819	S13	E06	.295	13043	4.2	48	-N	C	1819	1.82	1.83			
GRP60572	03	2023	2045	2030	S14	E04	.301	13043	4.1	22	--F			.42				2 2 2 2
BOUL	03	2019	2049	2030	S13	E03	.281	13043	4.1	30	-F	C	2030	.43	.43			
MCMA	03	2026	2040		S14	E04	.301	13043	4.2	14	-N	P	2032	.41	.48			E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
					LAT.	MER. DIST.													
GRP60573	03	2147	2205	2153	S10	W50	.782	13030	30.2	18	--F				.30			2 2 2 2	
PALE	03	2147	2156	2153	S10	W49	.772	13030	28.2	90	-F	2	C		.27				
BOUL	03	2152E	2205	2153	S10	W50	.782	13030	28.2	130	-F		C	2153	.32	.50			
574 BOUL	03	2208	2222	2210	S11	W07	.271	13043	3.4	14	--F		C	2210	.75	.76		3	
576 BOUL	03	2324	2338	2329	S17	W02	.345	13043	3.8	14	--F		C	2329	.54	.54		2	
577 BOUL	04	0004	0010	0005	S12	W07	.287	13043	3.5	6	--F		C	0005	.64	.65		3	
GRP60578	04	0015	0032	0020	S14	E03	.300	13043	4.2	17	--F				.44			2 2 2 3	
BOUL	04	0015	0032	0016	S13	E03	.283	13043	4.2	17	-F		C	0016	.43	.43			
PALE	04	0024E	00250	0024U	S14	E02	.297	13043	4.2	10	-F	2	C		.45				
579 BOUL	04	0101	0130	0106	S14	E00	.295	13043	4.0	29	--F		C	0106	1.39	1.39		2	
GRP60580	04	0225	0245	0236	S09	W51	.791	13030	30.3	20	--F				.39			2 2 2 5	
TEHR	04	0225E	02450	0237	S09	W51	.791	13030	28.3	200	-F	3	V		.50			F	
PALE	04	0235E	02450	0235U	S09	W50	.780	13030	28.4	100	-F	2	C		.27			F	
GRP60582	04	0308	0319	0311	S16	W04	.335	13043	3.8	11	--N				.47			3 3 3 5	
TEHR	04	0306	0320	0307	S14	W03	.300	13043	3.9	14	-F	4	V		.25			F	
VORO	04	0309	0316	0309	S17	W03	.349	13043	3.9	7	-B		C	0309	.81	.90	62	E	
PALE	04	0310E	0322	0316U	S16	W05	.339	13043	3.8	120	-N	2	C		.36			F	
6 STATIONS REPORTING GROUP 60585.										1 STATIONS OBSERVING AND NOT REPORTING.									
GRP60585	04	0648	0749	0654	S14	W05	.307	13043	3.9	61	1B				3.40			4 4 4 6	
ATHN	04	0610	0720	0658	S12	W04	.270	13043	4.0	700	1B	3	C		2.48			F	
ATHN	04	0610	0720	0615	S12	W04	.270	13043	4.0	700	-N	3	C		.50			F	
KIEV	04	0645E	07050	0650	S15	W04	.319	13043	4.0	200	1B		C	0650	3.50	3.70	105	DI	
CATA	04	0652	0800	0652	S15	W06	.328	13043	3.8	68	1B	3		0652	4.05	4.29	(513)		
ZURI	04	0655E	0737	0656	S15	W04	.319	13043	4.0	420	1B		P	0656	3.58	4.00			
60585	04	0809	0819	0810	S15	W07	.333	13043	3.8	10	*-F				.99			2 2 2 5	
MONT	04	0806	08190	0807	S15	W09	.346	13043	3.7	130	-N		C	0807	.62			E	
ATHN	04	0811	0818	0813	S15	W05	.323	13043	4.0	7	-F			0813	1.36	1.31			
60585	04	0704	0852	0747	S15	W06	.328	13043	3.8	108	*1N				2.66			3 1 1 5	
MONT	04	0634E	0848	0759	S15	W04	.319	13043	4.0	1340	1B		C	0759	2.58			H	
ARCE	04	0704E	0852		S15	W06	.328	13043	3.8	1080	1N		C	0706	2.66	2.70		F	
ATHN	04	0729E	0749	0734	S15	W04	.319	13043	4.0	200	-N	3	V		1.26				
GRP60588	04	1145	1240	1159	S16	W06	.343	13043	4.0	55	1F				3.85			3 1 1 7	
RAHY	04	1133E	12520	1138	S16	W06	.343	13043	4.0	790	-N	3	C		.65			F	
KHAR	04	1145E	12400	1159	S16	W06	.343	13043	4.0	550	1F		C	1159	3.85	4.20			
ATHN	04	1219	1238	1221	S16	W08	.354	13043	3.9	19	-N			1221	.85	.80			
12 STATIONS REPORTING GROUP 60589.										2 STATIONS OBSERVING AND NOT REPORTING.									
GRP60589	04	1338	1442	1357	S16	W08	.354	13043	4.0	64	2B				7.65			8 8 8 12	
ZURI	04	1320	1434	1358	S17	W08	.369	13043	4.0	74	2B		C	1358	6.95	7.50			
MCMA	04	1321E	1535	1356	S16	W07	.348	13043	4.0	1340	2B		C	1356	5.16	5.40		V	
KHAR	04	1329E	15000	1357	S16	W08	.354	13043	4.0	910	3B		C	1357	22.00	24.20		H	
BOUL	04	1339	1430	1357	S17	W08	.369	13043	4.0	51	2B		C	1357	8.57	8.64			
HUAN	04	1345	14170	1356	S16	W08	.354	13043	4.0	320	1B	1	P	1356	2.27	2.42		H	
MONT	04	1347	1448	1357	S15	W08	.339	13043	4.0	61	2B		C	1357	9.90			U F	
RAHY	04	1348	14380	1358	S16	W08	.354	13043	4.0	500	1B	4	C		4.18				
MEUD	04	1357E	13570		S16	W08	.354	13043	4.0	1N			C	1357	2.17	2.20		E	
MONT	04	1511	1529	1517	S15	W09	.346	13043	4.0	18	-N		C	1517	.62				
60589	04	1312	1509	1326	S16	W07	.348	13043	4.0	117	*1N				.65			3 3 3 10	
ATHN	04	1312E	1442	1323	S17	W06	.359	13043	4.1	900	-N	3	V		.50			DE	
MCMA	04	1321E	1535	1328	S16	W07	.346	13043	4.0	1340	2B		C	1328	1.03	1.10		XZ	
MEUD	04	1330E	13300		S16	W08	.354	13043	4.0		-N		C	1330	.41	.40			
60589	04	1330	1500	1414	S15	W07	.333	13043	4.0	90	*1B				4.00			3 2 2 13	
CATA	04	1330	1505	1410	S16	W08	.354	13043	4.0	95	1B	3		1410	4.63	4.96	(324)		
LOCA	04	1417E	1455	1417	S14	W05	.307	13043	4.2	380	1N		V	1417	3.36	3.50		BF	
UPIC	04	1433	1456		S16	W09	.361	13043	3.9	23	-N			1436	.85				
60589	04	1312	1442	1314	S17	W06	.359	13043	4.1	90	*-N				.50			2 1 1 8	
ATHN	04	1312E	1442	1314	S17	W06	.359	13043	4.1	900	-N	3	V		.50			OE	
MEUD	04	1344E	13460		S16	W08	.354	13043	4.0	20	-N		C	1346	.52	.50			
GRP60590	04	1641	1706	1646	S16	W08	.354	13043	4.1	25	-N				1.54			5 5 5 5	
BOUL	04	1637	1700	1646	S15	W07	.333	13043	4.2	23	-N		C	1646	1.82	1.84		F	
PALE	04	1641E	1708	1646	S15	W09	.346	13043	4.0	270	-N	2	V		.77			DE	
ATHN	04	1641	1701	1646	S17	W08	.369	13043	4.1	20	-B	3	V		.99			E	
MCMA	04	1642	17210	1646	S16	W09	.361	13043	4.0	390	-N		C	1646	.77	.80			
ZURI	04	1642	1700	1648	S15	W07	.333	13043	4.2	18	1N		C	1648	3.36	3.60			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCARTH PLACE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
60590	04	1704	1724	1710	S17	H09	.375	13043	4.0	20	*-N		1.03			2 2 2 5		
ATHN	04	1704	1722	1707	S17	H08	.369	13043	4.1	18	-N	1	1707	.34	.33			
BOUL	04	1704	1725	1712	S17	H09	.375	13043	4.0	21	-N	C	1712	1.71	1.74			
GRP60591	04	1725	1758	1733	S14	H08	.324	13043	4.1	33	--N			.82		4 4 4 6		
PALE	04	1725	1739	1730	S13	H08	.309	13043	4.1	14	-N	2	V	.52		F		
HUAN	04	1725E	17320		S15	H07	.333	13043	4.2	70	-F	1	P	1731	.31	.33		
BOUL	04	1726	1816	1735	S14	H07	.318	13043	4.2	50	-N	C	1735	1.50	1.51			
MCMA	04	1728E	17340		S15	H10	.354	13043	4.0	60	-B	P	1734	.93	1.00	E		
GRP60592	04	1818	1857	1829	S17	H10	.382	13043	4.0	39	1N			3.11		5 5 5 5		
MCMA	04	1818E	18360		S17	H12	.397	13043	3.9	200	1B	P	1836	1.06	2.00	E		
BOUL	04	1818	1905	1828	S17	H09	.375	13043	4.1	47	1N	C	1828	4.18	4.23			
HUAN	04	1818	1850	1830U	S16	H12	.384	13043	3.9	32	-N	1	C	1830	1.24	1.33		
ZURI	04	1818	18300	1828	S17	H10	.382	13043	4.0	120	2F	P	1828	5.68	6.20			
PALE	04	1823E	1855	1829U	S17	H09	.375	13043	4.1	320	1B	2	V	2.58		UOE		
594 HUAN	04	1950E	2005		S16	H11	.375	13043	4.0	150	--F	1	P	1956	.41	.44	E 2	
GRP60595	04	2016	2036	2019	S17	H13	.405	13043	3.9	20	-F			.66		2 2 2 2		
BOUL	04	2014	2044	2019	S17	H13	.405	13043	3.9	30	-F	C	2019	.96	.99			
HUAN	04	2017	2027	2019	S17	H13	.405	13043	3.9	10	-N	1	C	2019	.36	.39		
60595	04	2032	2245	2103	S16	H12	.384	13043	4.0	133	*1N			3.26		3 3 3 3		
BOUL	04	2031	2300	2105	S17	H12	.397	13043	4.0	149	2N	C	2105	5.14	5.25			
HUAN	04	2032	20480		S16	H13	.392	13043	3.9	160	-N	1	P	2033	.52	.56	E	
PALE	04	2039E	2125	2100U	S14	H12	.357	13043	4.0	460	1B	2	C		3.25	U F		
HUAN	04	2100E	21030		S16	H13	.392	13043	3.9	30	-N	1	P	2100	1.39	1.51	8	
PALE	04	2221	2230	2225	S14	H11	.348	13043	4.1	9	-F	3	C		.55	OE		
GRP60596	04	2313	2346	2320	S14	H13	.366	13043	4.0	33	--F			.82		2 2 2 2		
BOUL	04	2312	2346	2321	S14	H13	.366	13043	4.0	34	-F	C	2321	.64	.66			
PALE	04	2313	2345	2319	S14	H13	.366	13043	4.0	32	-F	3	C		.99	F		
GRP60597	05	0032	0044	0033	S11	H24	.467	13043	3.2	12	--F			.64		2 2 2 2		
BOUL	05	0031	0046	0033	S11	H23	.454	13043	3.3	15	-F	C	0035	.64	.70			
PALE	05	0032	0042	0033	S11	H25	.480	13043	3.1	10	-F	3	C		.63	OE		
GRP60598	05	0040	0055	0048	S16	H15	.412	13043	3.9	15	--F			.73		2 2 2 2		
BOUL	05	0040	0055	0047	S16	H14	.403	13043	4.0	15	-F	C	0047	.64	.66			
PALE	05	0048E	0055	0049	S16	H15	.412	13043	3.9	70	-F	3	C		.81			
GRP60599	05	0054	0124	0103	S15	H14	.390	13043	4.0	30	--F			1.48		2 2 2 2		
BOUL	05	0048	0130	0103	S15	H13	.380	13043	4.1	42	-N	C	0112	1.61	1.65			
PALE	05	0059	0118	0103	S15	H14	.390	13043	4.0	19	-F	3	C		1.35	F		
GRP60600	05	0148	0241	0155	S14	H15	.388	13043	4.0	53	-B			1.31		2 2 2 2		
BOUL	05	0148	02050	0156	S13	H13	.355	13043	4.1	170	-B	C	0156	.96	.99			
PALE	05	0148E	0241	0154	S14	H16	.398	13043	3.9	530	-N	3	V	1.65		U F		
60600	05	0220	0302		S16	H16	.422	13043	3.9	42	*-F			.46		2 2 2 2		
TEHR	05	0220E	03030	0220U	S16	H15	.412	13043	4.0	430	-N	3	V	.50		F		
PALE	05	0256E	0301	0257	S16	H17	.432	13043	3.8	50	-F	2	V	.41		OE		
GRP60601	05	0701	0724	0703	S15	H23	.488	13043	3.6	23	-N			1.17		6 6 6 7		
ATHN	05	0659	07180	0703	S15	H21	.465	13043	3.7	190	-N	3	C	.66		DE		
MONT	05	0701	0719	0703	S17	H26	.540	13043	3.3	18	-N	C	0703	.62		E		
TEHR	05	0701	0712	0705	S15	H22	.476	13043	3.6	11	-F	2	C	.19		F		
WEND	05	0701E	0730		S13	H23	.470	13043	3.6	290	1N	V		3.09				
ZURI	05	0702	0712	0702	S14	H21	.455	13043	3.7	10	-N	C	0702	1.69	1.90			
ARCE	05	0710E	07510		S14	H23	.479	13043	3.6	410	-F	C	0710	.76	.80			
GRP60602	05	0738	0755	0741	S16	H18	.442	13043	4.0	17	--N			.34		3 3 3 8		
MONT	05	0736	0801	0740	S16	H18	.442	13043	4.0	25	-N	C	0740	.41		E		
NEUD	05	0738	0750	0743	S16	H18	.442	13043	4.0	12	-F	C	0743	.31	.30			
CATA	05	0740	0755	0740	S17	H16	.453	13043	4.0	15	-B	3	C	0740	.29	.32	(25)	
GRP60603	(See in Unconfirmed List)																	
GRP60607	05	1159	1235	1206	S15	H20	.453	13043	4.0	36	-N			1.22		7 7 6 8		
MONT	05	1157	1311	1205	S15	H21	.465	13043	3.9	74	-N	C	1205	1.86		K		
TEHR	05	1157E	1302	1159	S15	H18	.431	13043	4.1	650	-N	4	V	.66		F		
ATHN	05	1157	1222	1207	S16	H21	.475	13043	3.9	25	-N	3	C	.99		OE		
RANY	05	1158	1303	1210	S14	H21	.455	13043	3.9	65	-N	4	C	.65		F		
ZURI	05	1158	1220	1204	S15	H21	.465	13043	3.9	22	1N	C	1204	2.10	2.40			
MCMA	05	1200E	12250	1208	S17	H21	.485	13043	3.9	250	-N	C	1208	1.03	1.10	E		
BOUL	05	1203	1220	1206	S13	H19	.421	13043	4.1	17	-F	V	1206		1.60			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MONTH FLARE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
60607	05	1222	1303	1236	S14	W22	.467	13043	3.9	41	*-N		1.26				10 10 10 12	
RAMY	05	1158	1303	1237	S14	W21	.455	13043	3.9	65	-B	4 C	.74				F	
TEHR	05	1200	1253	1239	S15	W22	.476	13043	3.8	53	-N	3 C	.91				F	
HUAN	05	1220E	1304	1231	S15	W22	.476	13043	3.9	440	-N	2 P	.88	.99				
WEND	05	1220E	1306		S13	W21	.445	13043	3.9	460	1N	P	4.13					
BOUL	05	1226	1305	1233	S14	W21	.455	13043	3.9	39	-N	C	.86	.92				
ZURI	05	1228	1256	1234	S15	W21	.465	13043	3.9	28	-B	C	1.26	1.40				
MCMA	05	1228E	1310	1237	S16	W23	.497	13043	3.8	420	-N	C	.83	.90				
ATHN	05	1229E	1302	1234	S14	W22	.467	13043	3.9	330	-N	3 V	.99				E	
KIEV	05	1236E	13000	1241	S14	W22	.467	13043	3.9	240	-N	C	1.00	1.10		60	OE	
HERS	05	1239E	1306	1239	S14	W21	.455	13043	4.0	270	-B	P	1.04	1.20			OI	
GRP60609	05	1324	1338	1328	S16	W26	.532	13043	3.6	14	--N		.35				3 3 3 11	
MONT	05	1323	1334	1326	S17	W29	.575	13043	3.4	11	-N	C	.41				E	
HUAN	05	1323	1330	1324	S15	W24	.500	13043	3.8	7	-N	2 C	.31	.36				
BOUL	05	1325	1350	1333	S15	W26	.524	13043	3.6	25	-F	C	.32	.36				
5 STATIONS REPORTING GROUP 60611. 4 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60611	05	1353	1449	1417	S15	W23	.488	13043	3.9	56	-N		2.17				3 3 3 9	
WEND	05	1353	1447		S14	W22	.467	13043	3.9	54	1N	V	5.16					
MCMA	05	1410E	15050		S16	W23	.497	13043	3.9	550	-N	C	.52	.60			EH	
ATHN	05	1415E	1434	1417	S14	W23	.479	13043	3.9	190	-F	3 V	.83				F	
60611	05	1404	1423	1409	S14	W25	.503	13043	3.7	19	*-F		.97				2 2 2 9	
BOUL	05	1400	14330	1410	S16	W22	.486	13043	3.9	330	-F	C	1.71	1.85			OE	
RAMY	05	1407	1412	1407U	S12	W28	.526	13043	3.5	5	-F	4 C	.23					
GRP60612	05	1508	1613	1515	S15	W23	.488	13043	3.9	65	1B		4.10				11 11 10 11	
ZURI	05	1450	1608	1512	S16	W23	.497	13043	3.9	78	1B	C	3.78	4.40				
BOUL	05	1506	1605	1513	S14	W23	.479	13043	3.9	59	1B	V	1513	3.60				
WEND	05	1507E	1626	1520	S17	W22	.496	13043	4.0	790	2B	P	1520	10.31				
RAMY	05	1507	15110	15110	S16	W23	.497	13043	3.9	40	1B	4 V	2.15				U F	
MCMA	05	1507E	16420	1517	S16	W23	.497	13043	3.9	950	2B	C	1517	5.67	6.50		EF	
HUAN	05	1507	1621	1518	S16	W24	.509	13043	3.8	74	1B	2 C	1518	2.53	2.92			
MONT	05	1508	16150	1511	S15	W24	.500	13043	3.8	670	1B	C	1511	3.09		(501)	H	
CATA	05	1510	16050	1517	S16	W24	.509	13043	3.8	550	2B	3 V	1517	5.80	6.73		Z H	
ATHN	05	1510E	1558	1515	S14	W23	.479	13043	3.9	480	1B	3 V	2.15					
LOCA	05	1512	1600	1515	S15	W21	.465	13043	4.1	48	1N	V	1515	2.52	2.80			
MEUD	05	1513E	1610	1514	S15	W24	.500	13043	3.8	570	1N	C	1514	2.99	3.30			
GRP60613	05	1634	1700	1640	S09	W73	.960	13030	30.2	26	--F		.35				2 2 2 5	
BOUL	05	1632	1700	1640	S10	W71	.951	13030	28.4	28	-F	C	.43	1.17				
MCMA	05	1636	16420		S08	W74	.964	13030	28.1	60	-N	C	.26	1.00			D	
GRP60615	05	2016	2115	2035	S17	W27	.552	13043	3.8	59	--N		.75				3 2 2 4	
PALE	05	2016	2055	2022	S14	W25	.503	13043	4.0	39	-F	3 C	.36					
MCMA	05	2036	21150	2048	S17	W27	.552	13043	3.8	390	-N	C	2048	1.03	1.30		E	
HUAN	05	2044E	21030		S17	W27	.552	13043	3.8	190	-N	1 P	2051	.46	.56		E	
GRP60618	05	2123	2322	2143	S15	W26	.524	13043	3.9	119	1B		4.90				5 5 5 5	
BOUL	05	2118	2345	2142	S17	W26	.540	13043	3.9	147	2B	C	2152	5.89	6.56			
RAMY	05	2120E	22200	2144	S14	W27	.528	13043	3.9	600	1B	3 V	3.09				U F	
MCMA	05	2123	23260	2142	S16	W26	.532	13043	3.9	1230	2B	C	2142	8.77	10.00		FIXV	
PALE	05	2132	2256	2142	S14	W26	.516	13043	3.9	84	1B	2 C	3.97				U F	
HUAN	05	2149E	22240		S16	W26	.532	13043	4.0	350	1B	1 P	2150	2.78	3.32			
GRP60619	05	2248	2313	2256	S10	W74	.965	13030	30.4	25	--F		.85				2 2 2 3	
BOUL	05	2248	2313	2256	S09	W73	.960	13030	28.5	25	1F	C	2256	.86	2.47			
PALE	05	2249E	23090	2256	S10	W74	.965	13030	28.4	200	-N	2 V	.83				OE	
620 BOUL	05	2332	2350	2340	S09	W75	.969	13030	28.4	18	--F	C	.21	.65			3	
GRP60622	06	0034	0059	0039	S15	E03	.319	13051	6.2	25	--B		.72				2 2 2 3	
VORO	06	0034	0059	0038	S14	E03	.303	13051	6.2	25	-B	C	.81	.90		64	EJ	
PALE	06	0040E	00400	0040	S15	E02	.317	13051	6.2		-N	2 C	.63				OE	
623 BOUL	06	0035	0059	0049	S16	H39	.684	13043	3.1	24	--F	C	.21	.27			2	
624 PALE	06	0147E	01500	0148	S08	W75	.969	13030	28.4	30	--F	2 C	.27				OE	
GRP60633	06	0646	0658	0649	S17	H30	.587	13043	4.0	12	--N		.32				3 3 3 6	
MONT	06	0646	0658	0648	S16	H32	.603	13043	3.9	12	-F	C	.21					
HANI	06	0647E	06480	0647U	S17	H32	.610	13043	3.9	10	-N	1 C	.41	.52				
ATHN	06	0652E	0657	0653	S17	W27	.553	13043	4.3	50	-N	4 V	.33				OE	
GRP60634	06	0659	0711	0701	S15	W28	.549	13043	4.2	12	--N		.37				3 3 3 6	
HANI	06	0658E	07020	0700	S14	H29	.553	13043	4.1	40	-N	1 C	.21	.25				
ATHN	06	0659	0709	0702	S16	W26	.533	13043	4.3	10	-N	4 V	.50				OE	
MONT	06	0700	0712	0702	S15	W29	.561	13043	4.1	12	-F	C	.41					

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	OMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60635	06	0738	0815	0801	S15	H30	.573	13043	4.1	37	--N		.37				3 3 3 6
MONT	06	0736	0746	0741	S16	H42	.717	13043	3.2	10	-F	0741	.21				DE
ATHN	06	0738	0811	0800	S16	H26	.533	13043	4.4	33	-B 3	V	.66				DE
ATHN	06	0738	0811	0741	S16	H26	.533	13043	4.4	33	-N 3	V	.33				
MONT	06	0739	0746	0741	S15	H39	.679	13043	3.4	7	-F	0741	.21				
MONT	06	0759	0808	0801	S15	H29	.561	13043	4.2	9	-F	0801	.21				
TEHR	06	0802E	08250	0802U	S13	H29	.547	13043	4.2	230	-N 3	V	.25				DE
GRP60636	06	0815	0826	0817	S16	H28	.556	13043	4.2	11	--N		.52				2 2 2 5
MONT	06	0815	0824	0817	S15	H30	.573	13043	4.1	9	-F	0817	.21				Z F
ATHN	06	0815	0827	0817	S16	H26	.533	13043	4.4	12	-B 4	V	.83				
GRP60641	06	0957	1016	1006	S15	H29	.561	13043	4.2	19	--N		.37				3 3 3 5
MONT	06	0955	1015D	1005	S15	H30	.573	13043	4.2	20D	-N	C	1005	.41			D
ATHN	06	0958	1017	1005	S17	H28	.564	13043	4.3	19	-B		.52	.53			DE
TEHR	06	1008E	1015	1008U	S14	H30	.566	13043	4.2	70	-N 3	V	.17				
GRP60642	06	1036	1048	1038	S15	H31	.585	13043	4.1	12	-B		1.10				4 4 4 5
ATHN	06	1036	1046	1038	S17	H30	.587	13043	4.2	10	-B 4	V	.83				Z F
KHAR	06	1036E	10450	1038	S16	H32	.603	13043	4.0	90	1N	C	1038	1.65	2.10		
UPIC	06	1037E	10390	1037U	S14	H32	.590	13043	4.0	20	-N		1.26				
TEHR	06	1037E	10490	1038U	S13	H30	.559	13043	4.2	120	-B 3	V	.66				DE
7 STATIONS REPORTING GROUP 60643. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60643	06	1054	1226	1112	S16	H35	.638	13043	3.8	92	1B		3.47				5 5 5 6
KHAR	06	1050E	12250	1112	S17	H36	.656	13043	3.8	950	2N	C	1121	8.80	11.80		EJ
TEHR	06	1053E	11500	1110U	S15	H35	.633	13043	3.8	570	1B 3	V	1.86				DE Z
MONT	06	1056E	1233	1113	S15	H35	.633	13043	3.8	970	1N	C	1113	2.58			
ATHN	06	1057	1221	1113	S18	H34	.639	13043	3.9	84	1B 4	V	2.15				F
ATHN	06	1057	1221	1058	S18	H34	.639	13043	3.9	84	-F 4	V	.66				F
MONT	06	1106	1114	1108	S17	H32	.610	13043	4.1	8	-N	C	1108	.72			
RAMY	06	1110E	11120	1112D	S16	H35	.638	13043	3.8	20	1B 2	V	1.98				F U
60643	06	1115	1226	1132	S18	H35	.651	13043	3.8	71	*1B		2.68				3 2 2 7
CATA	06	1110	1230	1130	S15	H35	.633	13043	3.8	80	2B 3		4.63	5.98			(372)
MONT	06	1120	1221	1134	S21	H35	.670	13043	3.8	61	-N	C	1134	.72			
HUAN	06	1146E	11490		S16	H36	.650	13043	3.8	30	-N 1	P	1147	.31	.40		
GRP60647	06	1345	1357	1351	S15	H33	.609	13043	4.1	12	--N		.48				6 6 6 7
BOUL	06	1335	1358	1349	S14	H32	.590	13043	4.2	23	-N	C	1349	.75	.88		
RAMY	06	1347E	1358	1349	S13	H36	.634	13043	3.9	110	-N 4	V	.33				DE
ATHN	06	1347	1357	1350	S17	H32	.610	13043	4.2	10	-N		.34	.35			
MCMA	06	1348	1355	1351	S15	H32	.597	13043	4.2	7	-F	C	1351	.26	.30		D
CATA	06	1350	1400	1355	S13	H33	.597	13043	4.1	10	-B 3		1355	.29	.36		(263)
KHAR	06	1351E	13560	1351	S15	H33	.609	13043	4.1	50	-F	V	1351	.88	1.20		D
GRP60648	06	1441	1453	1445	S15	H35	.633	13043	4.0	12	--F		.31				4 4 4 6
BOUL	06	1437	1500	1444	S14	H34	.615	13043	4.1	23	-F	C	1444	.32	.39		
KHAR	06	1440E	14450	1445	S15	H36	.644	13043	3.9	50	-F	V	1445	.33	.50		D
ATHN	06	1442	1450	1445	S17	H34	.633	13043	4.1	8	-N		1445	.34	.35		
MCMA	06	1443	1450	1447	S15	H34	.621	13043	4.1	7	-F	C	1447	.26	.30		D
GRP60649	06	1532	1554	1537	S15	H34	.621	13043	4.1	22	--F		.48				3 3 3 6
BOUL	06	1529E	1558	1535	S14	H34	.615	13043	4.1	290	-F	C	1535	.96	1.16		
HUAN	06	1533	15370	1535	S14	H34	.615	13043	4.1	40	-F	1	1535	.21	.26		D
MCMA	06	1534	1549	1542	S16	H33	.615	13043	4.2	15	-F	C	1542	.26	.30		D
651 BOUL	06	1641	1659	1646	S14	H34	.615	13043	4.1	18	--F	C	1646	.54	.65		4
GRP60652	06	1713	1739	1736	S15	H35	.633	13043	4.1	26	--F		.34				3 3 3 6
BOUL	06	1708	1748	1736	S14	H35	.627	13043	4.1	40	-F	C	1736	.54	.66		
MCMA	06	1717	1730		S16	H34	.627	13043	4.2	13	-F	C	1725	.26	.30		D
HUAN	06	1726E	17280		S14	H36	.639	13043	4.0	20	-F	1	1727	.21	.27		D
5 STATIONS REPORTING GROUP 60653. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60653	06	1812	2015	1906	S16	H39	.684	13043	3.8	123	1B		3.00				3 3 3 3
BOUL	06	1812	2020	1906	S16	H37	.661	13043	4.0	128	1B	C	1906	3.75	4.70		
MCMA	06	1830E	2010	1906	S18	H40	.705	13043	3.8	100D	2B	C	1906	3.61	5.00		FKLIV
RAMY	06	1840E	19360	1906	S15	H39	.679	13043	3.9	560	-B 4	V	1.65				DE
60653	06	1830	2010	1845	S17	H40	.700	13043	3.8	100	*1B		1.67				2 2 2 3
MCMA	06	1830E	2010D	1845	S18	H40	.705	13043	3.8	100D	2B	C	1845	2.06	2.80		EH
RAMY	06	1840E	19360	1844	S15	H39	.679	13043	3.9	560	-B 4	V	1.26				DE

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	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.												
60653 BOUL	06	1907	2018	1927	S16	W43	.728	13043	3.6	71	*-N			.54			3 2 1 5	
HUAN	06	1907	2029	1927	S15	W45	.745	13043	3.4	82	-N	C	1927	.54	.76			
PALE	06	1924E	19260		S16	W40	.695	13043	3.8	20	1N	1 P						
PALE	06	1940E	19400	1940U	S15	W40	.690	13043	3.8		-F	2 C		.72			DE	
PALE	06	1953E	2006	1953U	S15	W43	.724	13043	3.6	130	-F	2 C		.55			DE	
PALE	06	2016E	20210	2020U	S15	W39	.679	13043	3.9	50	-F	2 V		.41				
60653 PALE	06	1819	1830	1824	S15	W38	.668	13043	3.9	11	*-F			.36			2 2 2 4	
MCMA	06	1817	1829	1823U	S14	W40	.666	13043	3.8	12	-F	2 C		.45			DE	
	06	1820	18300	1825	S16	W35	.638	13043	4.1	100	-F	C	1825	.26	.30		0	
654 BOUL	06	1833	1847	1840	S12	W51	.798	13037	2.9	14	--F	C	1840	.75	1.20		3	
	06	2232	2237	NO FLARE PATROL														
GRP60557 HANI	06	2252	2330	2259	S15	W42	.713	13043	3.8	38	--F			.52			2 2 2 2	
PALE	06	2252E	2330	2258	S15	W42	.713	13043	3.8	380	-N	1	2258	.62	.89		F	
	06	2300E	23040	2300U	S15	W41	.702	13043	3.9	40	-F	2 V		.41			F	
	06	2309	2312	NO FLARE PATROL														
	06	2334	2339	NO FLARE PATROL														
	06	2341	0045	NO FLARE PATROL														
	07	0107	0211	NO FLARE PATROL														
658 HANI	07	0211E	02260	0211U	S15	W43	.724	13043	3.9	150	--N	1	0211	.41	.61		1	
	07	0226	0301	NO FLARE PATROL														
GRP60660 ATHN	07	0419	0429	0421	S17	W46	.764	13043	3.7	10	--F			.41			2 2 2 5	
PALE	07	0419	0432	0421	S17	W43	.733	13043	4.0	13	-N	2 C		.50			DE	
	07	0419	0426	0421	S17	W48	.784	13043	3.6	7	-F	2 V		.31				
GRP60662 ABST	07	0607	0628	0609	S11	W64	.909	13037	2.5	21	--F			.65			2 2 2 3	
ATHN	07	0606E	06100	0608	S12	W65	.917	13037	2.4	40	-F	P	0608	.79	1.90		0	
	07	0608	0628	0609	S09	W63	.899	13037	2.5	20	-N	3 C		.50			DE	
663 ATHN	07	0704	0726	0708	S13	W57	.857	13037	3.0	22	--F	3 C		.33			DE 3	
GRP60664 ABST	07	0724	0736	0727	S15	W44	.735	13043	4.0	12	--F			.70			3 3 3 3	
CATA	07	0722	07340	0728	S15	W45	.746	13043	3.9	120	-F	P	0728	.70	1.10		0	
ATHN	07	0725	0735	0725	S16	W46	.760	13043	3.9	10	-N	3	0725	.87	1.33	(200)		
	07	0726	0737	0729	S15	W41	.702	13043	4.2	11	-F	1	0729	.52	.55			
GRP60665 ABST	07	0807	1131		S16	W46	.760	13043	3.9	204	-N			1.32			3 3 3 7	
ATHN	07	0807	09440	0928	S16	W47	.770	13043	3.8	970	1N	P	0928	2.44	4.00		FK	
ATHN	07	0807	0815	0808	S15	W45	.746	13043	4.0	8	-N	1	0808	.52	.60			
ATHN	07	0857	0906	0858	S15	W43	.724	13043	4.1	9	-F	1	0858	.85	1.01			
TEHR	07	0916	12550	0932	S16	W45	.750	13043	4.0	2190	-B	3 C		.66			DE	
ATHN	07	1124	1131	1125	S15	W48	.777	13043	3.9	7	-F	1	1125	.34	.41			
9 STATIONS REPORTING GROUP 60666. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP60666 TEHR	07	0920	1114	1014	S16	W47	.770	13043	3.9	114	18	3 C		2.58			7 6 6 7	
KHAR	07	0916	12550	1010	S16	W45	.750	13043	4.0	2190	18	3 C		1.83			DE	
CATA	07	0917E	11170	1017	S15	W47	.767	13043	3.9	1200	2N	C	1017	4.40	7.30	.32	EK	
MEUD	07	0920	1115	1015	S16	W47	.770	13043	3.9	115	18	3 C	1015	2.31	3.63	(398)		
ATHN	07	0926	1120	1009	S16	W47	.770	13043	3.9	114	1N	C	1009	1.75	2.70			
ATHN	07	0942	1109	0945	S15	W47	.767	13043	3.9	87	-N	1	0945	1.35	1.63			
ABST	07	1008E	10550	1009	S16	W48	.780	13043	3.8	470	2N	P	1009	3.49	5.80		96 BFK	
RANY	07	1017E	1104	1022	S16	W45	.750	13043	4.1	470	-B	3 C		1.67			DE	
60666 MCMA	07	1038	1120	1056	S18	W49	.797	13043	3.8	42	*-B			.77			2 1 1 9	
KIEV	07	1038E	1120		S18	W49	.797	13043	3.8	420	-B	C	1044	.77	1.20		0	
	07	1053E	11200	1056	S18	W49	.797	13043	3.8	270	1F	C	1056	1.50	2.50		55 DI	
GRP60669 MEUD	07	1155	1211	1200	S14	W48	.774	13043	3.9	16	-N			.58			2 2 2 8	
ATHN	07	1152	1207	1158	S15	W48	.777	13043	3.9	15	-N	C	1158	.31	.50			
	07	1156	1215	1202	S13	W48	.771	13043	3.9	17	-N	1	1215	.85	1.07			
60669 MCMA	07	1214	1348	1222	S16	W48	.780	13043	3.9	94	*1N			3.24			7 7 6 8	
KHAR	07	1150	1355	1224	S18	W49	.797	13043	3.8	125	1N	C	1224	2.58	4.20		E	
RANY	07	1155E	13520	1223	S16	W48	.780	13043	3.9	1170	3N	C	1300	8.25	14.00		E	
MEUD	07	1212	1344	1221	S17	W48	.784	13043	3.9	92	1N	3 C		2.17			UDE	
ATHN	07	1214	1345	1222	S17	W48	.784	13043	3.9	91	1N	C	1222	2.27	3.40			
BOUL	07	1217	1235	1219	S13	W48	.771	13043	3.9	18	-B	1	1219	1.02	1.30			
LOCA	07	1220	1250	1223	S16	W50	.800	13043	3.8	30	1N	V	1223		3.36			
	07	1225E	1345	1225	S16	W46	.760	13043	4.1	800	1N	V	1225	3.16	4.50			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS.	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60670	07	1514	1525	1516	S14	W54	.832 13043	3.6	11	--F			.56				4 4 4 5
MCMA	07	1512	16150	1514	S17	W54	.840 13043	3.6	630	-N	C	1514	.41	.70			EK
MEUD	07	1513	1518	1514	S13	W54	.830 13043	3.6	5	-F	C	1514	.41	.70			
HUAN	07	1514E	15170		S14	W55	.841 13043	3.5	30	-F	1 P	1515	.41	.72			
ATHN	07	1518	1531	1520	S11	W54	.826 13043	3.6	13	-N	1	1520	1.02	1.37			
GRP60671	07	1653	1705	1657	S15	W50	.797 13043	4.0	12	--F			.37				2 2 2 5
PALE	07	1653E	17030	1655	S15	W50	.797 13043	4.0	100	-F	2 C		.27				DE
RAMY	07	1655E	17050	16580	S15	W50	.797 13043	4.0	100	-F	3 V		.46				DE
4 STATIONS REPORTING GROUP 60673. 0 STATIONS OBSERVING AND NOT REPORTING.																	
GRP60673	07	1825	1851	1830	S15	W54	.835 13043	3.7	26	-N			1.06				4 4 3 4
MCMA	07	1820	19000	1830	S17	W57	.865 13043	3.5	400	1N	C	1830	1.03	2.00			E
RAMY	07	1825	18400	1829	S14	W52	.814 13043	3.9	150	-N	3 V		1.03				F
BOUL	07	1827	1847	1831	S14	W54	.832 13043	3.7	20	1N	V	1831		2.80			
PALE	07	1827E	1846	18300	S15	W54	.835 13043	3.7	190	-N	2 V		1.13				F
PALE	07	1853E	19060	18550	S17	W51	.813 13043	4.0	130	-F	2 V		.93				F
673 PALE	07	1834E	1841	18340	S14	W49	.784 13043	4.1	70	*-N	2 V		.21				DE 3
	07	1907	1932														
	07	1946	2014														
	07	2029	2035														
	07	2042	2143														
GRP60675	07	2126	2143	2126	S16	W55	.846 13043	3.8	17	-N			1.03				2 1 1 2
PALE	07	2126E	2143	21260	S16	W55	.846 13043	3.8	170	-N	1 V		1.03				F
HUAN	07	2143E	21450		S15	W58	.869 13043	3.6	20	-F	1 P	2144	.41	.81			
	07	2145	2152														
	07	2156	2205														
	07	2316	2330														
	08	0106	0112														
	08	0135	0147														
	08	0154	0237														
GRP60681	08	0631	0646	0635	S15	W62	.900 13043	3.6	15	1N			1.55				2 2 2 4
ABST	08	0631	0644	0633	S14	W60	.883 13043	3.8	13	2N	C	0633	2.44	5.40			72 EJ
ATHN	08	0634E	0648	0637	S15	W64	.914 13043	3.5	140	-N	3 V		.66				F
GRP60685	08	0957	1044	1005	S15	W61	.892 13043	3.8	47	-F			1.05				4 4 4 8
TEHR	08	0951	1040	1005	S16	W57	.863 13043	4.1	49	-F	4 C		.66				
ABST	08	0954	10150	1002	S14	W65	.919 13043	3.5	210	-F	P	1002	.87	2.00			DJ
MONT	08	0959	10040	1004	S15	W61	.892 13043	3.8	50	-N	C	1004	1.13				E
ABST	08	1000	10150	1005	S15	W61	.892 13043	3.8	150	1F	P	1005	1.75	4.00			EJ
ATHN	08	1005E	1048	1006	S15	W64	.914 13043	3.6	430	-N	3 V		.66				F
ABST	08	1048	11340	1051	S15	W63	.907 13043	3.7	460	-F	P	1051	.87	2.00			D
60686	08	1027	1043	1030	S16	W61	.894 13043	3.9	16	*-N			.82				3 3 3 5
MEUD	08	1000	1045	1028	S15	W60	.885 13043	3.9	45	-F	C	1028	.41	.80			
ABST	08	1024E	10380	1032	S16	W60	.887 13043	3.9	140	1N	P	1032	1.75	3.80			74 D
CATA	08	1030	1040	1030	S17	W64	.917 13043	3.6	10	-B	3	1030	.29				(229)
GRP60687	08	1229	1245	1232	S17	W62	.903 13043	3.9	16	-N			.70				8 8 7 8
TEHR	08	1227	1343	1233	S15	W58	.869 13043	4.2	76	-N	4 C		.91				F
MEUD	08	1228	1247	1232	S16	W62	.901 13043	3.9	19	-F	C	1232	.21	.40			
HUAN	08	1229	1246	1231	S16	W65	.922 13043	3.6	17	-N	1 C	1231	.36				
UPIC	08	1229	1244	1231	S16	W63	.908 13043	3.8	15	1B		1231	1.47				
MCMA	08	1229	1246	1230	S17	W62	.903 13043	3.9	17	-N	C	1230	.52	1.30			E
ATHN	08	1230E	1239	1232	S16	W60	.887 13043	4.0	90	-N	3 V		.99				F
BOUL	08	1230E	1247E	1233	S19	W61	.899 13043	3.9	170	-N	V	1233		2.00			
RAMY	08	1230	1247	1235	S17	W63	.910 13043	3.8	17	-N	2 C		.46				DE
GRP60689	08	1308	1327	1315	S14	W60	.883 13043	4.0	19	-N			.55				5 5 5 7
TEHR	08	1227	1343	1315	S15	W58	.869 13043	4.2	76	-N	4 C		.72				F
BOUL	08	1305	1324	1314	S14	W61	.891 13043	4.0	19	-N	C	1314	.54	1.10			
RAMY	08	1308	1328	1314	S15	W63	.907 13043	3.8	20	-F	2 C		.56				DE
MEUD	08	1310	1320	1316	S14	W58	.867 13043	4.2	10	-N	C	1316	.41	.80			
ATHN	08	1311	1320	1314	S14	W59	.875 13043	4.1	9	-N	1	1314	.52	.78			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS.COND.	TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL	MCNATH	CMP					TIME	MEAS. AREA	CORR. AREA	MAX. WIDTH	MAX. INT.	
					LAT.	MER. DIST.													
JULY										MIN.									
GRP60690	08	1438	1453	1442	S08	E89	1.000	13057	15.3	15	-N			.35			5 5 4 6		
MONT	08	1435	1447	1441	S09	E86	.998	13057	15.1	12	-N	C	1441	.21			D		
BOUL	08	1435	1507	1441	S09	E89	1.000	13057	15.3	32	-F	C	1441	.21	.85				
HUAN	08	1439	1456	1442	S08	E88	1.000	13057	15.2	17	-N	2 C	1442	.31					
MCMA	08	1440	1446	1441	S07	E90	1.000	13057	15.4	6	-N	C	1441				D		
ATHN	08	1442	1451	1443	S05	E90	1.000	13057	15.4	9	-N	1	1443	.68	1.94				
GRP60691	08	1453	1528	1501	S15	H65	.920	13043	3.7	35	--N			.34			2 2 2 5		
MCMA	08	1452	1540	1504	S17	H63	.910	13043	3.9	480	-N	C	1504	.26	.60		D		
MONT	08	1454	1516	1457	S13	H66	.924	13043	3.7	22	-N	C	1457	.41			E		
GRP60692	08	1540	1610	1542	S18	H64	.918	13043	3.9	30	-B			.75			5 4 3 6		
BOUL	08	1338	1555	1542	S22	H64	.924	13043	3.8	1370	-N	V	1542		1.60				
MONT	08	1435	1443	1437	S15	H61	.892	13043	4.0	8	-F	C	1437	.21					
MCMA	08	1540	1620	1541	S17	H63	.910	13043	3.9	400	18	C	1541	.83	2.10		EV		
RAHY	08	1540	1601	1545	S16	H65	.922	13043	3.8	21	-B	2 C		.74			DE		
HUAN	08	1540	1610	1540	S15	H63	.907	13043	3.9	30	-N	2 C	1540	.67	1.53				
GRP60693	08	1720	1745	1724	S09	E89	1.000	13057	15.4	25	--F			.34			2 2 2 5		
BOUL	08	1720	1745	1724	S09	E89	1.000	13057	15.4	250	-N	C	1724	.21	.85				
HUAN	08	1721E	1744		S09	E88	1.000	13057	15.3	230	-F	2 P	1730	.46					
GRP60694	08	1823	1838	1827	S16	H61	.894	13043	4.2	15	--F			.32			2 2 2 4		
BOUL	08	1822	1843	1827	S14	H61	.891	13043	4.2	21	-F	C	1827	.32	.66				
PALE	08	1824	1833	1827	S17	H61	.896	13043	4.2	9	-N	3 C		.31			F		
GRP60696	08	1954	2007	2001	S15	H63	.907	13043	4.1	13	--F			.35			2 2 2 3		
BOUL	08	1948U	2010	2002	S15	H62	.900	13043	4.2	220	-N	C	2002	.43	.91				
HUAN	08	1959	2003	2000	S15	H63	.907	13043	4.1	4	-F	2 C	2000	.26			D		
GRP60697	08	2224	2245	2226	S16	H68	.940	13043	3.8	21	--N			.44			2 2 2 2		
PALE	08	2223	2245	2226	S15	H67	.933	13043	3.9	22	-N	3 C		.52			F		
HUAN	08	2225	2250		S16	H68	.940	13043	3.8		-N	1 P	2225	.36			E		
	09	0140	0149		NO FLARE PATROL														
598 PALE	09	0149E	0215	0149U	S15	H69	.944	13043	3.9	260	-B	3 V		.62			F U 1		
GRP60700	09	0357	0403	0357	S16	H74	.969	13043	3.6	6	1N			.67			3 3 3 5		
ABST	09	0356	0402	0357	S15	H73	.964	13043	3.7	6	1N	C	0357	1.05			74 OJV		
TEHR	09	0357E	0400	0357U	S15	H72	.960	13043	3.8	30	-N	3 V		.25			44 DE		
TACH	09	0358	0404	0358	S18	H78	.984	13043	3.3	6	1F	C	0358	.71			E		
GRP60701	09	0520	0526	0521	S15	H69	.944	13043	4.0	6	1N			1.00			2 2 2 6		
ABST	09	0520	0526	0521	S14	H70	.949	13043	4.0	6	1N	C	0521	.96			76 OV		
MITK	09	0521E	0525		S15	H68	.939	13043	4.1	40	1N	P	0521	1.03			D		
GRP60703	09	0538	0545	0541	S08	E78	.981	13057	15.1	7	-N			.62			3 3 3 4		
ABST	09	0536	0545	0539	S09	E78	.981	13057	15.1	9	1N	C	0539	.87			69 DJ		
TEHR	09	0539E	0545	0540U	S07	E78	.980	13057	15.1	60	-F	3 V		.33					
ATHN	09	0540	0545	0543	S09	E77	.977	13057	15.0	50	-N	1 C		.66			DE		
GRP60704	09	0712	0736	0720	S15	H75	.973	13043	3.7	24	-N			.88			5 4 4 6		
ABST	09	0632	0737	0719	S15	H80	.989	13043	3.3	650	1N	P	0719	.96			71 DJK		
UPIQ	09	0640E	0652		S15	H77	.980	13043	3.5	120	-F		0640	.21					
MONT	09	0710	0735	0723	S15	H75	.973	13043	3.7	25	-N	C	0723	.62			E		
ATHN	09	0713	0731	0720	S14	H71	.954	13043	4.0	180	-N	2 C		.66			DE		
ATHN	09	0713	0731	0714	S14	H71	.954	13043	4.0	180	-N	2 C		.50			DE		
LOCA	09	0716E	0737	0716	S15	H73	.964	13043	3.8	210	1N	V	0716	1.26	4.80				
GRP60705	09	0825	0834	0826	S15	H75	.973	13043	3.7	9	-N			.81			3 3 3 5		
ABST	09	0825	0836	0826	S14	H79	.986	13043	3.4	11	1N	C	0826	1.40			71 EJVZ		
ZURI	09	0825	0832	0826	S16	H73	.965	13043	3.9	7	-N	C	0826	.63	2.40				
MONT	09	0825	0835	0826	S16	H72	.960	13043	4.0	10	-N	C	0826	.41			D		
5 STATIONS REPORTING GROUP 60709. 4 STATIONS OBSERVING AND NOT REPORTING.																			
GRP60709	09	1033	1128	1109	S14	H76	.976	13043	3.7	55	-N			.95			3 3 3 10		
MONT	09	1033E	1128	1109	S15	H77	.980	13043	3.7	550	-N	C	1109	1.13			E		
ABST	09	1104E	1122	1108	S13	H77	.979	13043	3.7	180	1N	P	1108	1.40			72 FJ		
TEHR	09	1104E	1122	1110U	S15	H75	.973	13043	3.8	180	-N	4 V		.33			F		
60709	09	1045	1056	1048	S16	H71	.956	13043	4.1	11	*-N			.76			2 2 2 8		
ZURI	09	1044	1052	1048	S16	H74	.969	13043	3.9	8	-N	C	1048	.84	3.40				
ATHN	09	1046	1059	1048	S15	H68	.939	13043	4.3	13	-N	1	1048	.68	1.21				

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP60712	09	1354	1406	1359	S17	H74	.970	13043	4.0	12	-N			.75				7 7 6 8
BOUL	09	1348	1409	1358	S16	H72	.960	13043	4.2	21	1B			.86	2.40			
HUAN	09	1355	1403	1358	S16	H74	.969	13043	4.0	8	-F	1	C	1358				
ZUR1	09	1356	14020	1358	S16	H75	.973	13043	4.0	60	-N		P	1358	.84	3.70		
MCMA	09	1356	1402	1358	S17	H76	.977	13043	3.9	6	1N		C	1358	.52	2.20		
ATHN	09	1357E	1405	1359	S17	H71	.956	13043	4.3	80	1B	3	V		1.16			E
RAMY	09	1400E	14080	1401U	S17	H76	.977	13043	3.9	80	-N	3	V		.46			F
LOCA	09	1401E	1410	1401	S17	H71	.956	13043	4.3	90	-N		V	1401	.63	1.80		DE
GRP60714	09	1446	1453	1448	S16	H75	.973	13043	4.0	7	-N			.45				3 3 2 6
BOUL	09	1443	1453	1448	S14	H74	.968	13043	4.1	10	-F		V	1448	1.10			
MCMA	09	1448	1450	1449	S17	H78	.984	13043	3.8	2	-N		C	1449	.21	1.20		
ATHN	09	1448	1455	1448	S17	H73	.966	13043	4.1	7	-N	1		1448	.68	1.21		0
GRP60717	09	1731	1740	1733	S15	H79	.986	13043	3.8	9	-B			.47				5 5 4 5
RAMY	09	1730	17400	1732	S14	H78	.983	13043	3.9	100	-B	3	V		.37			
BOUL	09	1731	1740	1734	S14	H77	.979	13043	4.0	9	-N		C	1734	.64	2.03		OE
HUAN	09	1732	1736	1733	S15	H80	.989	13043	3.7	4	-N	1	C	1733	.36			
PALE	09	1733E	1742	1733U	S16	H77	.980	13043	4.0	90	-B	3	V		.52			OE
MCMA	09	1733E	1740		S17	H81	.991	13043	3.7	70	1B		C	1734				
GRP60721	09	1853	1904	1855	S15	H79	.986	13043	3.9	11	-N			.47				5 5 4 5
BOUL	09	1853	19120	1854	S15	H77	.980	13043	4.0	190	-N		C	1854	.54	1.69		
RAMY	09	1853	1903	1855	S14	H79	.986	13043	3.9	10	-B	3	V		.31			DE
PALE	09	1853	1903	1855	S15	H78	.983	13043	3.9	10	-B	2	C		.63			OE
MCMA	09	1854	1901	1857	S17	H82	.993	13043	3.6	7	-N		C	1857				
HUAN	09	1854	1902	1855	S15	H80	.989	13043	3.8	8	-N	1	C	1855	.41			
	09	2215	2217	NO FLARE PATROL														
	09	2232	2237	NO FLARE PATROL														
723 PALE	09	2237E	2250	2239	S09	E70	.945	13057	15.2	130	--F	2	C		.55			1
	09	2304	2310	NO FLARE PATROL														
724 PALE	09	2336E	2352	2339	S15	H85	.998	13043	3.6	160	-B	3	V		.52			OE 1
GRP60726	10	0554	0623	0601	S17	H88	1.000	13043	3.6	29	1N			1.27				5 5 5 7
ABST	10	0552	0650	0557	S17	H90	1.000	13043	3.5	58	1N		C	0557	1.66			
MANI	10	0553E	06230	0558	S18	H90	1.000	13043	3.5	300	1N	2		0558	.72	2.35		AFJK
ATHN	10	0556	0618	0603	S17	H88	1.000	13043	3.6	22	-B	3	C		.66			F
TACH	10	0559E	0611	0559	S15	H88	1.000	13043	3.6	120	2F		V	0559	2.90			65 ET
MONT	10	0606E	0615	0609	S18	H85	.998	13043	3.9	90	-N		C	0609	.41			D
GRP60730	10	1021	1044	1031	S16	H89	1.000	13043	3.8	23	--F			.50				2 2 2 4
MONT	10	1017	1041	1031	S18	H87	1.000	13043	3.9	24	-F		C	1031	.21			
ABST	10	1024	10460	1030	S14	H90	1.000	13043	3.7	220	1F		P	1030	.79			ADJ
GRP60732	10	1404	1421	1405	S10	E58	.861	13057	14.9	17	--F			.22				3 3 3 7
ATHN	10	1403E	14190	1404	S13	E55	.840	13057	14.7	160	-F	1	V		.17			F
MONT	10	1404	1421	1405	S09	E59	.868	13057	15.0	17	-F		C	1405	.21			
CATA	10	1405	1420	1405	S09	E60	.876	13057	15.1	15	-N	3		1405	.29	.60	(195)	
GRP60733	10	1515	1542	1522	S17	H90	1.000	13043	3.9	27	-N			.62				2 2 1 5
RAMY	10	1514	1545	1518	S17	H90	1.000	13043	3.9	31	-N	3	C		.62			E
MONT	10	1515	1538	1525	S17	H90	1.000	13043	3.9	23	-N		C	1525				
GRP60734	10	1611	1616	1612	S09	E56	.841	13057	14.9	5	--F			.27				2 2 2 4
ATHN	10	1608	1619	1612	S10	E57	.852	13057	14.9	11	-N	3	C		.33			F
ATHN	10	1610E	1618	1611	S13	E54	.831	13057	14.7	80	-N	3	V		.17			F
HUAN	10	1611	1614	1612	S07	E57	.847	13057	14.9	3	-F	1	C	1612	.21	.40		0
736 PALE	10	1855	1910	1856	S05	E54	.816	13057	14.8	15	--F	2	C		.55			F 3
GRP60738	11	0405	0423	0410	S13	H74	.968	13051	5.6	18	--F			.39				2 2 2 6
TEHR	11	0404	0422	0410	S14	H75	.972	13051	5.5	18	-F	3	C		.45			
ATHN	11	0406	0424	0409	S12	H72	.958	13051	5.8	18	-F	3	C		.33			DE
	11	2208	2227	NO FLARE PATROL														
	12	0038	0046	NO FLARE PATROL														
	12	0049	0053	NO FLARE PATROL														
	12	0140	0159	NO FLARE PATROL														

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %	
					LAT.	MER. DIST.												
GRP60741 MONT ATHN	12	0943	0956	0947	S09	E34	.592	13057	15.0	13	--F			.89				2 2 2 5
	12	0943	0956	0946	S08	E34	.587	13057	15.0	13	-F			.62				
	12	0944E	0956	0948	S10	E33	.584	13057	14.9	120	-F	4 V	0946	1.16				DE
GRP60742 MONT ATHN	12	1127	1137	1130	S13	E67	.931	13063	17.5	10	--F			.37				2 2 2 7
	12	1126	11300	1129	S13	E66	.925	13063	17.4	40	-N		1129	.41				E
	12	1128	1137	1130	S13	E67	.931	13063	17.5	9	-F	4 C		.33				DE
GRP60743 BOUL CATA ATHN MCHA HUAN	12	1335	1342	1338	S13	E65	.919	13063	17.4	7	--F			.27				5 5 5 7
	12	1333	1346	1338	S13	E67	.931	13063	17.6	13	-F		1338	.32	.79			
	12	1335	1345	1340	S15	E66	.928	13063	17.5	10	-N	1	1340	.29				(178)
	12	1336	1338	1337	S13	E65	.919	13063	17.4	2	-N	4 C		.33				DE
	12	1336	1342	1337	S09	E62	.892	13063	17.2	6	-F		1337	.21	.40			O
	12	1336	1340	1338	S13	E66	.925	13063	17.5	4	-F	2 C	1338	.21				O
	12	2116	2135		NO FLARE PATROL													
	12	2148	2200		NO FLARE PATROL													
	12	2212	2230		NO FLARE PATROL													
	13	0100	0146		NO FLARE PATROL													
13	0205	0210		NO FLARE PATROL														
14	2200	2219		NO FLARE PATROL														
752 HUAN	15	2024	2027	2025	S13	E19	.432	13063	17.3	3	--F	2 C	2025	.21	.23			D 2
GRP60753 HUAN PALE	15	2039	2056	2050	S13	E20	.444	13063	17.4	17	--F			.24				2 2 2 2
	15	2039	2056	2047	S13	E19	.432	13063	17.3	17	-F	2 C	2047	.21	.23			O
	15	2053E	20560	2053U	S13	E20	.444	13063	17.4	30	-F	2 C		.27				DE
15	2204	2205		NO FLARE PATROL														
GRP60754 ATHN MANI	16	0544	0601	0548	S11	E14	.355	13063	17.3	17	--F			.83				2 2 2 4
	16	0544	05580	0547	S10	E13	.332	13063	17.2	140	-N	2 V		.83				F
	16	0545E	0601	0548	S12	E14	.367	13063	17.3	160	-F	2	0548	.83	.88			
GRP60756 UPIC MANI MONT TEHR UPIC	16	0752	0804	0757	S12	E15	.377	13063	17.5	12	--F			.64				4 4 4 9
	16	0751	0805	0755	S14	E16	.412	13063	17.5	14	-F		0755	.42				
	16	0752	07580	0758U	S12	E15	.377	13063	17.5	60	-F	2	0758	.72	.78			F
	16	0753	08010	0755	S12	E16	.388	13063	17.5	80	-N		0755	.93				O
	16	0757E	0802	0758	S12	E15	.377	13063	17.5	50	-N	4 V		.50				F
	16	0800	0805	0800	S12	E15	.377	13063	17.5	5	-F		0800	.42				
	16	2128	2137		NO FLARE PATROL													
	16	2209	2231		NO FLARE PATROL													
	16	2320	2332		NO FLARE PATROL													
	16	2339	0000		NO FLARE PATROL													
17	0004	0012		NO FLARE PATROL														
17	0016	0030		NO FLARE PATROL														
17	0040	0141		NO FLARE PATROL														
17	0147	.0210		NO FLARE PATROL														
17	0220	0230		NO FLARE PATROL														
759 PALE	17	0257E	02580	0258U	S05	W33	.564	13057	14.6	10	--F	1 C		.55				DE H 3
GRP60760 ATHN PALE	17	0436	0451	0441	S11	E02	.269	13063	17.3	15	--F			.51				2 2 2 5
	17	0436	0450	0441	S11	E03	.272	13063	17.4	14	-F	3 C		.50				DE
	17	0437E	04510	0440	S11	E01	.268	13063	17.3	140	-F	1 V		.52				DE
GRP60763 ATHN BOUL MONT RAMY HUAN	17	1330	1344	1336	S17	E38	.685	13067	20.4	14	--F			.34				5 5 5 7
	17	1324	1345	1336	S18	E38	.691	13067	20.4	21	-F			.33				DE
	17	1324	13450	1337	S15	E38	.674	13067	20.4	210	-F		1337	.43	.54			
	17	1333	1344	1336	S21	E37	.699	13067	20.3	11	-N		1336	.41				EH
	17	1333	1345	1335	S15	E39	.686	13067	20.5	12	-F	4 C		.21				DE H
	17	1335	1340	1337	S15	E38	.674	13067	20.4	5	-F	2 C	1337	.31	.42			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER- IDIST.	CENTRAL DISTANCE	MCNATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH HD	MAX. INT. K		
GRP60765 BOUL PALE	17	1705	1735	1710	S13	W82	.993	13068	11.6	30	--F			.31				2 2 2 4	
	17	1705	1743U	1707	S13	W81	.991	13068	11.6	380	-F	C	1707	.21	.72				
	17	1711E	1727	1712U	S12	W83	.995	13068	11.5	160	-F	2 V		.41					
	17	2143	2318		NO FLARE PATROL														
	17	2322	0046		NO FLARE PATROL														
	18	0131	0138		NO FLARE PATROL														
GRP60767 HUAN MONT MCHA ATHN RAMY	18	0217	0237		NO FLARE PATROL														
	18	1447	1459	1452	S11	W15	.368	13063	17.5	12	--F			.60			5 5 5 7		
	18	1446	1457	1453	S10	W14	.345	13063	17.6	11	-F	2 C	1453	.31	.33				
	18	1447	1501	1451	S11	W15	.368	13063	17.5	14	-N	C	1451	1.13					
	18	1448	1500	1453	S12	W14	.369	13063	17.6	12	-N	C	1453	.52	.50		E		
	18	1448	1457	1452	S11	W15	.368	13063	17.5	9	-F	3 V		.66			DE		
GRP60769 PALE MCHA	18	1448	1502	1452	S11	W16	.379	13063	17.4	14	-F	3 C		.37			DE		
	18	2012	2020	2013	S11	W18	.403	13063	17.5	8	--F			.26			2 2 2 3		
	18	2012	2018	2013	S10	W19	.405	13063	17.4	6	-F	3 V		.21			DE		
GRP60772 MANI MANI VORO	18	2019E	20220		S12	W17	.402	13063	17.6	30	-N	P	2022	.31			DL		
	19	0301	0344	0327	S11	W20	.428	13063	17.6	43	--N			.72			2 2 2 4		
	19	0301	0344	0327	S12	W20	.438	13063	17.6	43	-N		0327	.62	.66				
	19	0301	0344	0307	S12	W20	.438	13063	17.6	43	-F	2	0307	.83	.91		F		
775 PALE	19	0329E	03380		S10	W20	.419	13063	17.6	90	-N	P	0329	.81	.90	32.95	57	D	
	19	2010	2026	2013	N06	E73	.954	13079	25.3	16	--F	2 C		.52			DE 3		
	20	0805	0825	0814	S12	E02	.291	13067	20.5	20	--F			.46			2 2 2 4		
	20	0805	0822	0810	S12	E02	.291	13067	20.5	17	-F	3 C		.25					
	20	0816E	0827	0817U	S11	E02	.274	13067	20.5	110	-F	3 V		.66			F		
	20	2252	2350		NO FLARE PATROL														
	20	2400	0002		NO FLARE PATROL														
GRP60778 TEHR ATHN	21	0013	0037		NO FLARE PATROL														
	21	0455	0500		NO FLARE PATROL														
	21	0523	0558		NO FLARE PATROL														
	21	0935E	10000		S10	W58	.863	13063	17.0	250	--F	C	0940	.51	.90		3		
	21	1215	1226	1220	S03	W60	.870	13064	17.0	11	--F	C	1220	.31			D 3		
GRP60787 KHAR MONT KHAR	22	1055	1132		S14	E25	.518	13088	24.3	37	--F			.38			2 2 2 6		
	22	1053E	11530	1123	S15	E24	.516	13088	24.3	600	-F	C	1123	.55	.70		T		
	22	1056	1110	1101	S13	E24	.498	13088	24.3	14	-F	C	1101	.21					
	22	1107E	11530	1123	S15	E26	.539	13088	24.4	460	1F	C	1123	1.80	2.10		T		
GRP60788 MONT MEUD BOUL	22	1443	1459	1444	S14	E24	.507	13088	24.4	16	--F			.62			3 3 2 8		
	22	1441	1501	1443	S14	E23	.495	13088	24.3	20	-N	C	1443	.62			E		
	22	1443	1450	1443	S14	E23	.495	13088	24.3	7	-F	C	1443	.62	.70				
	22	1444	1505	1447	S13	E26	.522	13088	24.6	21	-F	V	1447		.40				
GRP60789 HUAN RAMY	22	1612	1630	1620	S14	W79	.987	13062	16.8	18	--F			.28			2 2 1 4		
	22	1612	1629	1620U	S14	W82	.994	13062	16.5	17	-F	1 C							
	22	1615E	1631	1619	S13	W75	.973	13062	17.1	160	-F	2 C		.28			DE		
	22	1805	1812		NO FLARE PATROL														
	22	1818	1848		NO FLARE PATROL														
	22	1859	1902		NO FLARE PATROL														
	22	1908	1915		NO FLARE PATROL														
	22	1929	1939		NO FLARE PATROL														
	22	1942	1945		NO FLARE PATROL														
	22	1955	1956		NO FLARE PATROL														
	22	2002	2011		NO FLARE PATROL														
	22	2056	2103		NO FLARE PATROL														

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H α SOLAR FLARES Confirmed

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
	22	2104	2109																
790 PALE	22	2142	2149	2144U	S03	W78	.979 13064	17.1	7D	--F	2	C		.55				F	1
	22	2159	2200																
791 PALE	22	2202	2213	2205U	S01	W80	.985 13063	16.9	11	--F	2	C		.27				F	2
792 PALE	23	0033	0039	0034	S11	W31	.570 13067	20.7	6D	--F	2	C		.27				F	4
795 UPIO	23	0550	0600	0555	S17	W32	.623 13067	20.8	10	--F			0555	.63					3
	23	1813	1829																
GRP60800	23	1829	1845	1831	S08	E44	.717 13084	27.1	16	--N				.72				3 3 3 3	
PALE	23	1829E	18310	1831U	S08	E43	.705 13084	27.0	20	-F	2	C		.45					
RANY	23	1830E	18310	1831U	S08	E46	.740 13084	27.2	10	-N	2	C		.65				DE	
BOUL	23	1831E	1845	1832	S07	E44	.714 13084	27.1	14D	-N		C	1832	1.07	1.50				
	23	1831	1835																
	23	1953	2005																
GRP60801	23	2230	2249	2232	S15	E04	.349 13088	24.2	19	-N				1.20				3 2 2 6	
PALE	23	2230	2246	2232	S14	E05	.337 13088	24.3	16	-N	3	C		1.54				DE	
BOUL	23	2230E	2242	2232	S15	E02	.344 13088	24.1	12D	-N		C	2232	.86	.86				
MANI	23	2247E	2300	2247U	S16	E06	.372 13088	24.4	13D	-F	2		2247	.83	.88				
GRP60802	23	2317	2343	2318	S15	E06	.357 13088	24.4	26	--N				.54				2 2 2 4	
PALE	23	2317	2343	2318U	S14	E05	.337 13088	24.3	26	-N	1	C		.45				F	
MANI	23	2318E	2338D	2318U	S16	E06	.372 13088	24.4	20D	-N	2		2318	.62	.66			F	
GRP60805	24	0019	0103	0036	S16	E48	.788 13084	27.6	44	--F				.50				2 2 2 5	
PALE	24	0019	0058	0036U	S20	E47	.794 13084	27.5	39	-F	2	C		.45				F	
VORO	24	0042E	0107		S12	E48	.774 13084	27.6	25D	-N		C	0046	.54	.90	4.65	58	EJ	
GRP60807	24	0142	0157	0144	S15	E04	.350 13088	24.4	15	--F				.36				2 2 2 4	
PALE	24	0142	0156	0144	S14	E03	.332 13088	24.3	14	-F	2	C		.19				F	
MANI	24	0143E	0157D	0143U	S16	E05	.370 13088	24.4	14D	-N	2		0143	.52	.55			F	
814 MANI	24	2255E	2307	2256U	S13	W10	.353 13088	24.2	12D	--F	1		2256	.31	.33				2
GRP60818	25	1540	1555	1548	S11	E22	.458 13084	27.3	15	--F				.54				2 2 1 5	
BOUL	25	1532	1600	1547	S11	E21	.446 13084	27.2	28	-F		C	1547	.54	.58				
HUAN	25	1547	1550	1549	S11	E22	.458 13084	27.3	3	-F	1	C							
GRP60821	25	2100	2115	2105	S08	E12	.306 13084	26.8	15	--F				.32				3 3 3 3	
BOUL	25	2059	2122	2105	S08	E13	.318 13084	26.8	23	-F		C	2105	.54	.55				
PALE	25	2059	2118	2104	S09	E11	.308 13084	26.7	19	-F	3	C		.21					
HUAN	25	2101	2106	2106U	S08	E13	.318 13084	26.9	5	-F	1	C	2106	.21	.22			D	
GRP60824 (See in Unconfirmed List)																			
60824	26	0647	0729	0700	S15	E51	.814 13101	30.1	42	--F				1.81				2 2 2 6	
ATHN	26	0644	0726	0655	S16	E49	.798 13101	30.0	42	1F	3	C		1.82				F S	
TEHR	26	0650	0732	0704	S13	E53	.826 13101	30.3	42	-N	4	V		1.80				Z F	
TEHR	26	0650	0732	0659	S13	E53	.826 13101	30.3	42	-N	4	V		.83				Z F	
GRP60829	26	1428	1441	1431	S10	E39	.666 13095	29.5	13	--N				.51				6 5 5 8	
ATHN	26	1403	1430D	1407	S11	E40	.682 13095	29.6	27D	-F	2	C		.17				DE	
ATHN	26	1405E	1412	1406U	S12	E40	.687 13095	29.6	7D	-F	3	V		.50				DE	
CATA	26	1425	1435	1425	S12	E39	.675 13095	29.5	10	-B	3		1425	.87	1.17			(209)	
MEUD	26	1428	1440	1431	S11	E38	.658 13095	29.5	12	-F		C	1431	.41	.50				
HUAN	26	1429	1445	1431	S09	E41	.686 13095	29.7	16	-N	2	C	1431	.26	.35			D	
ZURI	26	1430	1440	1434	S10	E38	.654 13095	29.5	10	-F		C	1434	.53	.70				
RANY	26	1435E	1443	1435U	S10	E39	.666 13095	29.5	8D	-N	4	C		.46				DE	
832 HUAN	26	1827	1840	1834	S09	E37	.637 13095	29.5	13	--F	1	C	1834	.21	.27			D	3
GRP60833	26	2123	2137	2126	S18	W40	.717 13088	23.9	14	--F				.37				4 4 4 4	
RANY	26	2122	2140	2126	S18	W41	.727 13088	23.8	18	-F	4	C		.52				DE	
HUAN	26	2123	2133	2127	S19	W42	.743 13088	23.7	10	-N	1	C	2127	.31	.47				
MCMA	26	2125E	2127D		S18	W34	.654 13088	24.3	2D	-F		P	2126	.21	.30			D	
PALE	26	2125E	2129D	2125U	S18	W41	.727 13088	23.8	4D	-N	3	C		.45				F	
GRP60834	26	2225	2243	2233	S10	E35	.617 13095	29.6	18	-N				.92				3 3 3 5	
HUAN	26	2225	2231D		S09	E36	.624 13095	29.6	6D	-N	1	P	2230	.31	.39			E	
PALE	26	2228E	2242D	2235U	S11	E34	.610 13095	29.5	14D	-N	2	C		.81				F	
MANI	26	2228E	2243	2230	S11	E36	.634 13095	29.6	15D	-N	1		2230	1.65	2.13			H	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	
GRP60837 HUAN PALE MCMA	27	1953	2001	1955	S09	H07	.275	13084	27.3	8	--N			.47			3 3 2 3
	27	1953	1959	1954	S09	H07	.275	13084	27.3	6	-F	1	C				
	27	1953E	2003	1956	S09	H06	.268	13084	27.4	100	-N	2	V	.62			F
	27	1954	2000	1955	S09	H08	.283	13084	27.2	6	-N		C	.31	.30		0
	27	2143	2149	NO FLARE PATROL													
	27	2209	2220	NO FLARE PATROL													
	27	2224	2229	NO FLARE PATROL													
	27	2332	2348	NO FLARE PATROL													
GRP60839 BOUL PALE MCMA HUAN MEUO	28	1709	1727	1713	S13	E27	.538	13101	30.7	18	--N			.82			5 5 5 6
	28	1707	1744	1713	S12	E26	.518	13101	30.7	37	-F		C	1.39	1.55		
	28	1708	1719	1712	S13	E28	.550	13101	30.8	11	-N	3	C	.72			DE
	28	1709	1730	1712	S13	E26	.526	13101	30.7	21	-B		C	1712	.52	.60	E
	28	1710	1721	1713	S12	E27	.530	13101	30.7	11	-F	1	C	1713	.46	.55	E
	28	1711E	1722		S13	E26	.526	13101	30.7	110	-N		C	1713	1.03	1.20	
840 BOUL	28	2053E	21100	2055U	S16	E65	.926	13109	2.7	170	-N		V	2055		1.90	2
	28	2151	2219	NO FLARE PATROL													
	28	2243	2250	NO FLARE PATROL													
	28	2345	2352	NO FLARE PATROL													
	29	0459	0500	NO FLARE PATROL													
	29	2200	2217	NO FLARE PATROL													
844 RAMY	29	2225	22300	2229U	S10	H04	.276	13095	29.6	50	--F	2	C		.93		F 2
	29	2230	2232	NO FLARE PATROL													
	29	2255	2347	NO FLARE PATROL													
	29	2350	2355	NO FLARE PATROL													
845 BOUL	30	0125	0133	0130	S10	H43	.714	13084	26.8	8	--F		C	0130	.21	.29	2
GRP60846 TEHR ARCE MONT CATA HEND MONT	30	0817	0900	0834	S10	H11	.327	13095	29.5	43	-N			1.81			5 5 5 7
	30	0803	08470	0835	S12	H11	.354	13095	29.5	440	-N	3	C	.36			F
	30	0812E	08500		S08	H11	.301	13095	29.5	380	1N		C	2.28	2.40		
	30	0819	0907	0827	S10	H11	.327	13095	29.5	48	-N		C	0827	1.13		
	30	0820	0900	0840	S10	H11	.327	13095	29.5	40	-N	3	C	0840	1.16	1.22	(182)
	30	0821E	0853		S10	H11	.327	13095	29.5	320	1F		V	4.13			
	30	0903	09520	0912	S10	H09	.309	13095	29.7	490	-N		C	0912	1.86		
GRP60848 PALE BOUL MCMA	30	1843	1917	1850	S12	H17	.413	13095	29.5	34	--F			.31			3 2 2 5
	30	1841E	1909	1847	S12	H17	.413	13095	29.5	280	-F	3	C	.36			DE
	30	1844E	19300	1904	S15	H17	.448	13095	29.5	460	-F		C	1904	.21	.22	
	30	1845	1925	1853	S12	H17	.413	13095	29.5	40	-F		C	1853	.26	.30	
GRP60850 MCMA PALE	30	2045	2053	2049	S15	H03	.356	13101	30.6	8	--N			.84			2 2 2 2
	30	2045	20530		S15	H03	.356	13101	30.6	80	-N		C	.41	.40		E
	30	2046E	20520	2049	S14	H02	.337	13101	30.7	60	-N	3	C	1.27			DE
	30	2127	2134	NO FLARE PATROL													
	30	2145	2210	NO FLARE PATROL													
	30	2225	2234	NO FLARE PATROL													
	30	2236	2242	NO FLARE PATROL													
	30	2310	2318	NO FLARE PATROL													
	31	0003	0007	NO FLARE PATROL													
	31	0010	0012	NO FLARE PATROL													
	31	0020	0026	NO FLARE PATROL													
	31	0248	0257	NO FLARE PATROL													
	31	0405	0420	NO FLARE PATROL													

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H α SOLAR FLARES Confirmed JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM- POR-	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	HER. DIST.												
GRP60852	31	0734	0743	0735	S10	W22	.453	13095	29.7	9	--F		0735	.67				4 4 4 5
UPIC	31	0730	0741	0735	S09	W21	.432	13095	29.7	11	-F		0736	.85				
MONT	31	0734	0743	0736	S11	W21	.450	13095	29.7	9	-F	C	0736	.21				
BUCA	31	0735	0748		S07	W23	.442	13095	29.6	13	-F	C	0738	.78	.90			F
ATHN	31	0735E	0741	0735U	S11	W21	.450	13095	29.7	60	-F	3 V		.83				
GRP60853	31	0919	0933	0921	S09	W25	.484	13095	29.5	14	--N		0920	.92				7 7 7 7
BUCA	31	0915	0950		S09	W21	.432	13095	29.8	35	-F	C	0920	1.66	1.80			DH
MONT	31	0919	0931	0921	S09	W24	.471	13095	29.6	12	-N	C	0921	.41				
CATA	31	0920	0935	0920	S08	W26	.490	13095	29.4	15	-B	3	0920	.58	.66		(257)	F H
ATHN	31	0920E	0930	0922U	S09	W25	.484	13095	29.5	100	-N	3 V	0920	.66				
ZURI	31	0920E	0926	0920	S08	W26	.490	13095	29.4	60	-N	P	0920	.84	.90			
MEUD	31	0920	0932	0922	S10	W27	.517	13095	29.4	12	-N	C	0922	.41	.50			
KHAR	31	0920E	0927D		S08	W27	.503	13095	29.4	70	1N	P	0920	1.90	2.20	.18		CDH
GRP60855	31	1917	2035	1925	S11	W65	.919	13084	26.9	78	1F		1925	1.76				2 2 2 5
BOUL	31	1917E	2035D	1925	S11	W64	.912	13084	27.0	78D	2F		1925	3.21	7.26			
PALE	31	1922E	1929D	1925U	S10	W65	.918	13084	26.9	70	-F	2 V		.31				H

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:

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 NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
740701	87.40	22.9	740711	0.00	23.7	740721	0.00	22.9
740702	112.62	23.9	740712	0.00	22.7	740722	0.00	22.6
740703	467.37	24.0	740713	0.00	23.1	740723	7.60	23.5
740704	513.97	24.0	740714	0.00	23.7	740726	21.76	24.0
740705	264.43	24.0	740715	0.00	24.0	740727	0.00	23.4
740706	117.44	22.7	740716	0.00	22.9	740728	0.85	23.3
740707	57.63	19.9	740717	0.00	19.1	740729	0.00	22.7
740708	25.19	23.0	740718	0.00	23.5	740730	17.29	23.1
740709	31.88	23.6	740720	0.00	23.0	740731	16.35	23.4
740710	10.54	24.0						

When no Flare Index is given, it is 0 for that day.

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Unconfirmed

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
501 MANI	01	0530E	0535D	0530U	S11	W10	.293	13030	28.5	50	-F	2	0530	.41	.43			3
505 MONT	01	0741	0759	0744	S13	E36	.631	13043	4.0	18	-N	C	0744	.62				E 5
506 ATHN	01	0749	0801	0750	S31	E15	.598	13037	2.5	12	-F	1	0750	.52	.53			5
510 ABST	01	1003	1007	1004	S10	W12	.302	13030	28.5	4	-F	C	1004	.87	.90			E 5
514 MONT	01	1209	1214	1212	S08	W16	.330	13030	28.3	5	-F	C	1212	.21				4
516 MONT	01	1404	1447	1412	S13	E31	.568	13043	3.9	43	-N	C	1412	.72				E 6
524 MANI	02	0147	0156	0149	S14	E21	.452	13043	3.6	9	-F	2	0149	.31	.34			F 3
526 MANI	02	0337E	0359D	0338	S15	E24	.497	13043	4.0	220	-N	2	0338	.31	.35			5
527 ATHN	02	0411	0418	0414	S03	W75	.967	13028	24.5	7	-F	3 C		.17				DE 5
533 MONT	02	0730	0736	0731	S11	W27	.504	13030	28.3	6	-F	C	0731	.21				9
534 MANI	02	0747E	0758D	0747U	S11	W28	.517	13030	28.2	110	-F	2	0747	1.03	1.21			F 9
536 MANI	02	0836E	0848D	0848U	S11	W29	.531	13030	28.2	120	-F	2	0848	1.03	1.22			F 11
537 ABST	02	0904	0911	0906	S09	W29	.519	13030	28.2	7	-F	C	0906	1.05	1.30			D 10
539 MONT	02	1034	1040	1035	S13	E24	.480	13043	4.2	6	-F	C	1035	.21				8
540 MONT	02	1103	1116	1106	S15	E20	.450	13043	4.0	13	-N	C	1106	.62				E 6
GRP60544	02	1716	1737	1723	S15	E15	.396	13043	3.8	21	-F			1.84				2 2 2 6
ZURI	02	1711	1747	1719	S14	E16	.394	13043	3.9	36	-N	C	1719	3.16	3.40			
ATHN	02	1720	1727	1727	S15	E14	.386	13043	3.8	7	-F	1	1727	.52	.50			
545 ZURI	02	1800	1815	1806	S15	E14	.386	13043	3.8	15	-N	C	1806	1.47	1.60			5
549 MANI	03	0131	0148	0138	S11	W38	.647	13030	28.2	17	-N	2	0138	.52	.69			3
553 MANI	03	0300	0310D	0308	S10	W39	.656	13030	28.2	100	-F	2	0308	.52	.69			F 4
GRP60554	03	0300	0413	0353	S14	E10	.338	13043	3.9	73	-F			.84				2 2 2 6
MANI	03	0300	0425D	0353	S15	E08	.338	13043	3.7	850	-N		0353	1.34	1.42			
ATHN	03	0348	0400	0352	S12	E11	.319	13043	4.0	12	-F	2 C		.33				
555 MONT	03	0649	0653	0650	S17	E12	.396	13043	4.2	4	-F	C	0650	.21				6
556 MONT	03	0725	0733	0727	S17	E12	.396	13043	4.2	8	-F	C	0727	.41				7
557 MONT	03	0740	0748	0742	S10	E01	.227	13043	3.4	8	-F	C	0742	.21				7
* GRP60559	03	0944	1007	0946	S15	E09	.344	13043	4.1	23	-N			1.48				4 4 4 7
MONT	03	0942	1012	0945	S15	E08	.338	13043	4.0	30	-N	C	0945	1.13				
TEHR	03	0943E	1012D	0945	S14	E09	.330	13043	4.1	290	-N	4 V		1.84				
ATHN	03	0944	0955	0946	S15	E09	.344	13043	4.1	11	-F	1	0946	1.21	1.43			
CATA	03	0945	1010D	0948	S16	E10	.366	13043	4.2	250	-B	3	0948	1.73	1.86	(263)		
560 MONT	03	1111	1123	1115	S10	W37	.631	13030	28.7	12	-N	C	1115	.41				E 7
562 MONT	03	1253	1313	1258	S15	E08	.338	13043	4.1	20	-F	C	1258	.41				6
563 MONT	03	1308	1324	1318	S08	W41	.674	13030	28.5	16	-F	C	1318	.21				7
567 ATHN	03	1513	1528	1516	S11	E05	.258	13043	4.0	15	-N	1	1516	.52	.50			5
568 BOUL	03	1721	1735	1725	S13	W03	.281	13043	3.5	14	-F	C	1725	.75	.75			4
569 BOUL	03	1740	1747	1743	S05	W51	.784	13030	27.9	7	-F	C	1743	.43	.66			4
575 PALE	03	2244E	2246D	2244U	S11	W48	.764	13030	28.3	20	-F	2 V		.31				3
581 MANI	04	0255E	0306D	0255U	S10	W52	.803	13030	28.2	110	-N	1	0255	.62	1.01			4
GRP60583	04	0334	0350	0337	S10	W53	.813	13030	30.2	16	-F			.53				2 2 2 6
ATHN	04	0334	0350	0337	S09	W54	.821	13030	28.1	16	-F	1 C		.33				
MANI	04	0337E	0348D	0337U	S10	W52	.803	13030	28.3	110	-F	1	0337	.72	1.18			
584 TEHR	04	0345E	0401D	0349	S14	W01	.296	13043	4.1	160	-F	3 V		.25				F 5
586 MONT	04	0759	0800	0759	S10	W54	.823	13030	28.3	1	-F	C	0759	.21				4

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCNATH FLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP60587	04	1105	1123	1113	S15	W06	.328 13043	4.0	18	-B				1.43				2 2 2 7
ATHN	04	1105	1123	1112	S15	W07	.333 13043	3.9	18	-B	3 V		.99					F
ATHN	04	1105	1123	1109	S15	W07	.333 13043	3.9	18	-F	3 V		.50					F
MONT	04	1112E	1347	1114	S15	W05	.323 13043	4.1	1550	-N	C	1114	1.86					B
593 HUAN	04	1936E	19400		S17	W11	.389 13043	4.0	40	-F	1 P	1937	.31	.33				3
*GRP60503	05	0857	0907	0859	S16	W19	.453 13043	3.9	10	-F			.46					2 2 2 10
ATHN	05	0856	08580	0858	S16	W18	.442 13043	4.0	20	-N	3 C		.50					DE
MONT	05	0858	0904	0859	S15	W16	.410 13043	4.2	6	-F	C	0859	.41					DE
ATHN	05	0859	0910	08590	S17	W22	.496 13043	3.7	11	-N	3 V		.33					DE
ATHN	05	0859	0910	08590	S17	W22	.496 13043	3.7	11	-N	3 V		.33					DE
GRP60504	05	0930	0947	0934	S17	W18	.453 13043	4.0	17	-N			.69					2 2 2 8
ZURI	05	0928	0944	0934	S17	W18	.453 13043	4.0	16	-N	C	0934	.85	.90				E
MONT	05	0931	0949	0934	S16	W18	.442 13043	4.0	18	-N	C	0934	.52					
605 MONT	05	1016	1039	1019	S16	W18	.442 13043	4.1	23	-F	C	1019	.41					8
606 MONT	05	1035	1044	1039	S10	W69	.940 13030	28.3	9	-F	C	1039	.21					8
608 BOUL	05	1315	1330	1319	N09	E69	.932 13050	10.7	15	-F	C	1319	.54	1.39				11
GRP60610	05	1338	1419	1408	N08	E71	.944 13050	10.9	41	-F			.64					2 2 2 10
BOUL	05	1338	1430	1410	N08	E70	.938 13050	10.8	52	1F	C	1410	.86	2.31				
MONT	05	1403	1407	1405	N08	E71	.944 13050	10.9	4	-F	C	1405	.41					
614 BOUL	05	1756	1845	1802	S14	W22	.467 13043	4.1	49	-F	C	1802	1.82	1.96				4
615 BOUL	05	1923	1935	1926	S27	W24	.617 13043	4.0	12	-F	C	1926	.32	.35				5
617 PALE	05	2028	2038	2032	S15	E03	.318 13051	6.1	10	-F	3 V		.41					H 3
621 PALE	06	0029E	0033	0031	S14	W26	.517 13043	4.1	40	-F	2 C		.36					DE 4
625 PALE	06	0203E	02100	02040	S14	E00	.299 13051	6.1	70	-F	2 V		.52					DE 3
626 PALE	06	0225E	02410	0229	S14	E00	.299 13051	6.1	160	-F	2 V		.41					DE 3
GRP60627	06	0303	0324	0303	S10	W76	.974 13030	30.4	21	-N			.62					2 1 1 6
PALE	06	0303E	03240	03030	S10	W76	.974 13030	28.4	210	-N	2 V		.62					DE
MANI	06	0314E	03210	03140	S10	W78	.981 13030	28.3	70	-F	1	0314	.52	1.30				F
628 MANI	06	0422E	04290	04240	S17	W27	.553 13043	4.2	70	-F	2	0424	.41	.50				7
629 MANI	06	0454	0458	0454	S17	W30	.587 13043	4.0	4	-F	2	0454	.31	.38				5
630 MANI	06	0537	05400	05400	S14	W01	.299 13051	6.2	30	-F	2	0540	.31	.32				F 6
631 MANI	06	0549E	06030	05490	S17	W32	.610 13043	3.8	140	-F	2	0549	.41	.52				5
GRP60632	06	0623	0639	0626	S15	W28	.549 13043	4.2	16	-N			.19					2 2 2 6
MANI	06	0623E	06420	06230	S14	W29	.553 13043	4.1	190	-N	1	0623	.21	.25				DE
ATHN	06	0628E	0635	0629	S16	W26	.533 13043	4.3	70	-N	4 V		.17					
637 MANI	06	0859E	09080	0902	S14	W29	.553 13043	4.2	90	-N	1	0902	.21	.25				6
638 MANI	06	0912E	09250	0913	S14	W36	.639 13043	3.7	130	-N	2	0913	.41	.54				FZ 6
639 MANI	06	0918E	09250	09250	S17	W33	.622 13043	3.9	70	-N	2	0924	.62	.79				6
640 ATHN	06	0939	0953	0941	S16	W27	.545 13043	4.4	14	-B		0941	.52	.53				6
644 MONT	06	1120	1127	1122	S14	W47	.763 13037	2.9	7	-F	C	1122	.62					6
645 MONT	06	1141	1146	1143	S10	W86	.998 13030	28.0	5	-F	C	1143	.21					7
GRP60646	06	1253	1303	1254	S17	W32	.610 13043	4.1	10	-F			.17					2 1 1 8
ATHN	06	1253	1303	1254	S17	W32	.610 13043	4.1	10	-F		1254	.17	.18				
BOUL	06	1302	1320	1307	S15	W33	.609 13043	4.1	18	-F	C	1307	.32	.38				
650 HUAN	06	1600	1604	1600	S14	W36	.639 13043	4.0	4	-F	2 C	1600	.21	.27				D 6
655 PALE	06	2052	20570	2053	S13	W44	.727 13043	3.6	50	-F	2 V		.41					DE 4
656 PALE	06	2104E	2110	2105	S13	W39	.670 13043	4.0	60	-F	2 V		.31					DE 4

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60659	07	0310	0320	0310	S13	H43	.717	13043	3.9	10	-N			.41				1 1 1 3
MANI	07	0310E	0320D	0310U	S15	H43	.724	13043	3.9	10D	-N	1	0310	.41	.61			F
MANI	07	0310E	0320D	0310U	S11	H44	.721	13043	3.8	10D	-N	1	0310	.41	.59			F
661 ABST	07	0440	0516D	0446	S12	H48	.768	13043	3.6	36D	1F	P	0446	1.75	2.80			E 4
667 ATHN	07	0942	1009	0942	S10	H60	.877	13037	2.9	27	-F	1	0942	.34	.47			7
GRP60568	07	1135	1147	1143	S16	H48	.780	13043	3.9	12	-F			.29				2 2 2 8
MEUD	07	1133	1148	1142	S15	H48	.777	13043	3.9	15	-N	C	1142	.21	.30			
RAMY	07	1136	1145	1143	S17	H47	.774	13043	4.0	9	-F	3		.37				F
672 RAMY	07	1720E	1735D	1723	S14	H51	.804	13043	3.9	15D	-N	3	V	.77				U 3
674 PALE	07	1931E	1932D	1931U	S14	H50	.794	13043	4.1	10	-F	1	V	.21				OE 3
676 ABST	08	0519	0524	0520	S17	H65	.923	13043	3.3	5	-F	C	0520	.79				D 6
677 ATHN	08	0525E	0537	0525U	S16	H62	.901	13043	3.6	12D	-F	2	V	.50				F 6
678 ATHN	08	0535E	0545	0535U	S13	H60	.882	13043	3.7	10D	-F	2	V	.66				F 6
679 ABST	08	0537	0610	0544	S11	H75	.970	13037	2.6	33	1F	C	0544	.87				DJ 6
680 ABST	08	0555	0604	0556	S14	H65	.919	13043	3.4	9	-F	C	0556	.79				DJV 8
682 ABST	08	0656	0712	0658	S11	H77	.978	13037	2.5	16	1F	C	0658	.87				D 6
GRP60583	08	0800	0805	0800	S16	H56	.855	13043	4.1	5	-N			.67				2 2 2 6
ABST	08	0759	0804	0800	S15	H56	.852	13043	4.1	5	-N	C	0800	1.05	2.00			DJV
CATA	08	0800	0805	0800	S16	H56	.855	13043	4.1	5	-N	3	0800	.29	.55			(191)
684 ABST	08	0832E	0910	0835	S14	H63	.905	13043	3.6	38D	1F	P	0835	1.14	2.60			FJ 6
685 ABST	08	0848	0934	0859	S11	H80	.987	13037	2.4	46	1F	C	0859	.79				DJ 7
688 BOUL	08	1250E	1332	1302	S07	E90	1.000	13057	15.3	42D	-F	C	1302	.11	.43			8
695 BOUL	08	1855	1908	1859	S14	H61	.891	13043	4.2	13	-F	C	1859	.32	.66			4
699 ABST	09	0348E	0412D	0349	S09	E79	.984	13057	15.1	24D	1N	P	0349	.87			65	8DJ 5
702 ABST	09	0528	0532	0529	S13	H75	.971	13043	3.6	4	1F	C	0529	.96				EV 6
706 MONT	09	0832	0844	0837	S16	E90	1.000	13062	16.1	12	-F	C	0837	.21				6
707 MONT	09	0859	0909	0904	S16	H73	.965	13043	3.9	10	-F	C	0904	.21				5
708 MONT	09	0916	0925	0921	S15	H76	.976	13043	3.7	9	-F	C	0921	.41				4
710 RAMY	09	1140E	1150D	1143	S17	H75	.974	13043	3.9	10D	-B	3	V	.33				OE 3
711 BOUL	09	1223E	1245	1225	S15	H76	.976	13043	3.8	22D	-N	V	1225		1.20			6
713 ATHN	09	1437	1441	1437	S08	E69	.939	13057	14.8	4	-F	1	1437	.17	.29			6
715 MCMA	09	1521	1530	1523	S17	H79	.987	13043	3.7	9	-F	C	1523	.21	1.20			D 6
716 BOUL	09	1630	1636	1634	S15	H77	.980	13043	3.9	6	-F	C	1634	.32	1.01			7
718 BOUL	09	1747	1753	1748	S17	H80	.989	13043	3.7	6	-F	C	1748	.21	.72			5
719 BOUL	09	1810	1835	1812	S15	H81	.991	13043	3.7	25	-F	C	1812	.43	1.45			5
720 BOUL	09	1833	1850	1839	S09	E73	.961	13057	15.2	17	-F	C	1839	.32	.92			4
722 PALE	09	2053	2107	2059	S16	H90	1.000	13043	3.1	14	-N	2	C	.36				5
725 ABST	10	0450	0500	0454	S14	H90	1.000	13043	3.5	10	1F	C	0454	.20				A0J 4
727 MONT	10	0702	0706	0704	S09	E62	.892	13057	14.9	4	-N	C	0704	.21				D 5
728 MONT	10	0744	0747	0745	S11	E87	.999	13062	16.8	3	-F	C	0745	.21				6
729 ABST	10	0849	0853	0850	S10	E66	.922	13057	15.3	4	-F	C	0850	.87				DJV 5
731 MONT	10	1322	1326	1323	S17	H90	1.000	13043	3.8	4	-F	C	1323	.21				8
735 BOUL	10	1628	1648	1632	S06	E50	.776	13057	14.4	20	-F	C	1632	.21	.34			6

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS	
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
737 PALE	11	0306E	0312	0308	S13	H67	.931	13051	6.1	60	-F	2	C		.36				DE	5
739 MANI	11	0426E	0458	0435	S01	E17	.304	13059	12.5	320	-F	1		0435	.52	.54			F	6
740 MONT	11	0731	0741	0734	S19	H90	1.000	13043	4.6	10	-F		C	0734	.41					6
744 ABST	14	0628	0637D	0633	S12	E90	1.000	13067	21.0	90	1F		P	0633	.79				ADJ	4
745 ABST	14	0649E	0711D	0652	S14	E90	1.000	13067	21.0	220	1F		P	0652	.96				ADJ	5
746 CATA	14	0935	1000	0940	S12	E90	1.000	13067	21.1	25	2N	3		0940	.58			(158)		5
747 ABST	15	0558E	0707D	0613	S13	E78	.983	13067	21.1	690	1F		P	0613	.87				DJK	5
748 UPIC	15	1050	1105	1055	S14	E73	.964	13067	20.9	15	-F		C	1055	.42					8
749 MONT	15	1153	1156	1155	S08	H10	.273	13057	14.7	3	-F		C	1155	.21					8
750 RAMY	15	1226	1255D	1235	S13	E25	.504	13063	17.4	290	-F	3	C		.31				DE	6
751 HUAN	15	1520	1526	1522	S13	E23	.480	13063	17.4	6	-F	2	C	1522	.31	.36				5
755 MANI	16	0610E	0620	0615U	S12	E15	.377	13063	17.4	100	-F	2		0615	.72	.78			F	4
GRP60757	16	0838	0900	0839	S12	E14	.367	13063	17.4	22	-N				.97				2 2 2	8
ARCE	16	0837	0900	0837	S12	E16	.388	13063	17.6	23	-N			0837	1.27	1.40			H	
ATHN	16	0838	0848D	0841	S12	E12	.347	13063	17.3	100	-N	3	C		.66				F	
758 ARCE	16	0905	0915D	0910	S11	E14	.355	13063	17.4	100	-F		C	0910	.83	.80				10
761 MONT	17	0949	1000	0952	S04	H86	.998	13068	11.0	11	-F		C	0952	.21					5
762 MONT	17	1257	1331	1310	S04	H88	1.000	13068	10.9	34	-N		C	1310	.41				D	9
764 BOUL	17	1443	1504	1448	S14	H81	.991	13068	11.5	21	-F		C	1448	.43	1.45				6
766 CATA	18	1158	1200	1150	S11	H14	.357	13063	17.4	10	-B	3		1150	.58	.62		(209)		6
768 BOUL	18	1842	1846	1843	S11	H16	.379	13063	17.6	4	-F		C	1844	.43	.45				4
770 BOUL	18	2026	2100	2026	S11	H21	.440	13063	17.3	34	-F		V	2026		.25				3
771 MANI	19	0000E	0015	0002U	S12	H18	.414	13063	17.6	150	-F	1		0002	.83	.89			F	3
773 ATHN	19	0441E	0449	0444	S05	H25	.451	13064	17.3	80	-F	3	V		.66				DE	4
774 BJUL	19	1401	1407	1403	S10	H31	.562	13063	17.3	6	-F		C	1403	.43	.50				6
776 PALE	20	0226E	0230D	0226U	S10	H38	.651	13063	17.3	40	-N	2	V		.46				F	4
777 ATHN	20	0748E	0753	0748U	N05	E64	.897	13079	25.1	50	-F	3	V		.33				DE	3
779 MCMA	20	1600	1612	1604	S06	H46	.733	13064	17.2	12	-N		C	1604	.41				E	5
780 RAMY	20	1600	1618	1605	S07	H47	.747	13063	17.1	18	-F	4	C		.46				DE	5
781 CATA	20	1620E	1630	1620	S07	H46	.736	13063	17.2	100	-N	3		1620	.58	.85		(200)		5
782 MCMA	20	1932	1940D	1935	S04	H50	.774	13064	17.1	80	-F		C	1935	.31					4
785 MANI	21	2243E	2255D	2247	S13	E32	.594	13088	24.3	120	-N	1		2247	.62	.77			F	5
786 KODA	22	0435	0502	0443	S13	E29	.558	13088	24.4	27	-B		V	0435			1.52		E	4
793 KODA	23	0312	0330	0322	S02	H90	1.000	13063	16.4	18	1N		V	0312			1.60		D	7
794 KODA	23	0342	0351	0342	S10	E14	.350	13088	24.2	9	-B		V	0342			2.28		D	5
796 UPIC	23	0810	0830U	0815	S13	E14	.387	13088	24.4	200	-F			0815	1.26					8
797 RAMY	23	1031	1052		S03	H87	.999	13063	16.9	21	-N	3	C						DE	5
798 RAMY	23	1224	1234		S03	H88	1.000	13063	16.9	10	-N	3	C						DE	5
799 UPIC	23	1446E	1450U		S14	E10	.366	13088	24.4	40	-F			1446	1.26					7
803 PALE	23	2335E	2349	2335U	S17	E43	.741	13084	27.2	140	-F	2	C		.36				F	5

H α SOLAR FLARES

Unconfirmed

JULY 1974

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE JULY	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP60804	24	0004	0031	0009	S15	E05	.354	13088	24.4	27	-F		.49				2 2 2 6
PALE	24	0002	00210	0008U	S15	E04	.350	13088	24.3	190	-F	1 C	.45				F
MANI	24	0005	0031	0010	S15	E05	.354	13088	24.4	26	-F	2	0010	.52	.55		F
806 MANI	24	0109	0125	0110	S15	E05	.354	13088	24.4	16	-F	2	0110	.52	.55		F
808 PALE	24	0146	0154	0147	S13	E42	.713	13084	27.2	8	-F	2 V	.26				DE
809 MANI	24	0454E	0510	0455U	S16	E02	.362	13088	24.4	160	-F	2	0455	.31	.33		
810 MONT	24	0743	0746	0744	S07	E37	.628	13084	27.1	3	-F	C	0744	.41			
811 MONT	24	0757	0800	0758	S07	E37	.628	13084	27.1	3	-F	C	0758	.21			
812 MONT	24	0927	09350	0935	N12	E32	.535	13094	26.8	80	-F	C	0935	.21			G
813 ATHN	24	1201E	1206	1201U	S01	E18	.325	13089	25.9	50	-F	4 V	.50				DE
815 ATHN	25	0506	0512	0508	S07	E22	.425	13084	26.9	6	-F	4 V	.50				DE
816 ATHN	25	0827	0839	0831	S12	E24	.491	13084	27.2	12	-F	4 V	.66				DE
817 HJAN	25	1325	1330	1327	S11	E23	.470	13084	27.3	5	-F	1 C	1327	.31	.35		
819 BOUL	25	1757	1806	1800	S18	E61	.902	13101	30.3	9	-F	C	1800	.32	.65		
820 PALE	25	1757	1806	1803	S13	E22	.476	13084	27.4	9	-F	3 C	.72				U
822 BOUL	25	2303	2311	2305	S17	W29	.591	13088	23.8	8	-F	C	2305	.32	.37		
823 MANI	26	0128E	01320	0128U	S17	E20	.497	13084	27.6	40	-F	2	0128	.93	1.06		F
*GRP60824	26	0643	0744	0651	S13	E46	.757	13095	29.7	61	1N		2.49				3 3 3 7
MITK	26	0640	0731	0652	S12	E50	.795	13095	30.0	51	1N	C	0652	2.37	3.90		ES
BUCA	26	0640	0730		S13	E50	.798	13095	30.0	50	1F	C	0652	2.21	3.60		
CATA	26	0650	0810	0650	S14	E38	.674	13095	29.1	80	1B	3	0650	2.90	3.92	(240)	
825 MONT	26	0659E	0729	0710	S11	E49	.782	13095	30.0	300	1N	C	0710	2.58			
826 ARCE	26	0810E	08100		S16	E60	.891	13101	30.8		-F	C	0810	.26	.50		
827 RAMY	26	1058	1104	1100	S09	E40	.674	13095	29.5	6	-F	4 C	.21				DE
828 CATA	26	1225	1230	1225	S19	W36	.682	13088	23.8	5	-N	3	1225	.29	.39	(174)	
830 BOUL	26	1536	1543	1538	S29	E37	.759	13095	29.4	7	-F	C	1538	.32	.40		
831 HUAN	26	1702	1710	1705	S17	E59	.886	13101	31.1	8	-F	2 C	1705	.21	.44		D
835 MONT	27	0713	0718	0714	S23	E88	1.000	13109	2.9	5	-F	C	0714	.21			
836 MEUD	27	1236	1242	1238	S08	W06	.253	13084	27.1	6	-F	C	1238	.21	.20		
838 BOUL	28	1301	1314	1306	S13	W16	.412	13084	27.3	13	-F	C	1306	.32	.33		
GRP60841	29	0605	0715	0630	S09	E06	.271	13095	29.7	70	-N		.87				2 1 1 7
CATA	29	0605E	07150	0630	S09	E06	.271	13095	29.7	700	-N	3	0630	.87	.90	(174)	
MONT	29	0649E	0714	0649	S09	E06	.271	13095	29.7	250	-N	C	0649	.41			E
842 PALE	29	1949E	1954	1949U	S18	E10	.431	13101	30.6	50	-N	3 V	.10				
843 BOUL	29	1955	2010	1957	S10	E10	.317	13095	30.6	15	-N	V	1957		1.30		
847 PALE	30	1825E	1836	1827	S10	W16	.380	13095	29.6	110	-F	3 C	.19				DE
849 PALE	30	1932	1940	1933	S09	W16	.369	13095	29.6	8	-F	3 C	.19				DE
851 MONT	31	0640E	0650	0640	S10	W20	.428	13095	29.8	100	-N	C	0640	.62			E
854 BOUL	31	1310U	1326	1313	S10	W24	.479	13095	29.7	160	-F	C	1313	.54	.59		
GRP60855	31	1648	1710	1649	S10	W28	.530	13095	29.6	22	-F	P	1649	1.71			2 2 2 7
MCMA	31	1648E	16510		S10	W28	.530	13095	29.6	30	-F		.21	.20			D
BOUL	31	1648	1710	1649	S10	W27	.517	13095	29.7	22	1F	C	1649	3.21	3.61		

* Should be in Confirmed List.

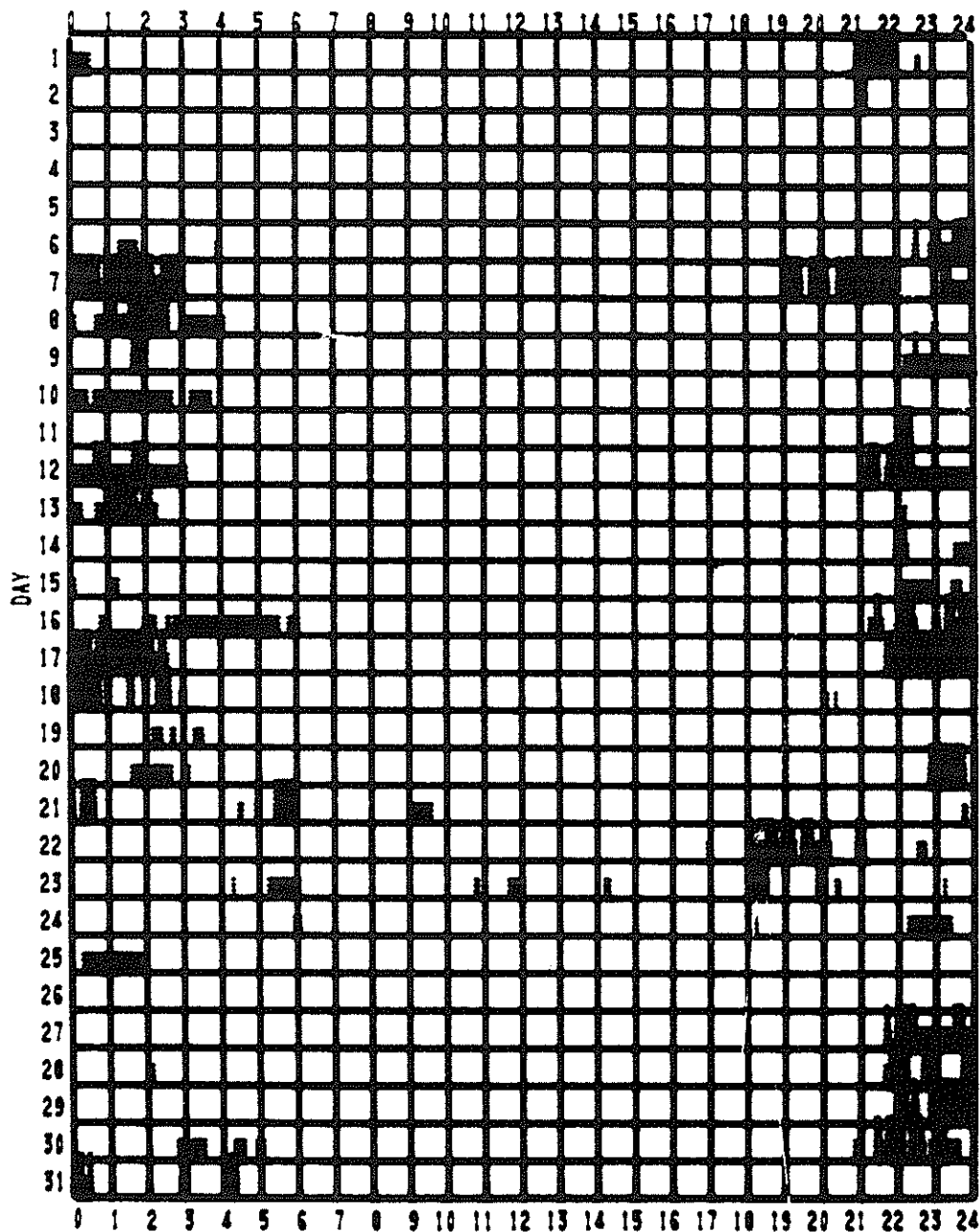
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INTERVALS OF NO FLARE PATROL OBSERVATION

FOR PRECEDING SOLAR FLARE TABLE

JULY 1974

HOUR-UT



Observatories included in total patrol:

Abastumani	Culgoora	Kodaikanal	Monte Mario	Teheran
Arcetri	Herstmonceux	Locarno	Meudon	Upice
Athènes	Huancayo	Manila	Palehua	Voroshilov
Boulder	Hurbanovo	McMath-Hulbert	Ramey	Wendelstein
Bucharest	Kharkov	Mitaka	Tachkent	Zürich
Catania	Kiev			

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

JULY 1974

JUL 1974	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		
1	2695 MANI	4	0001.5	0000.9	19.5	48.7	13.1	3	
	100 GORK	44	0300		252		5.0		
	200 HIRA	44	0436	0743	314 D	23.0	10.0		
	200 HIRA	43	0436	0743	314 D	23.0	10.0		
	200 GORK	44	0445		525.1		7.0		
	260 ONDR	44	0640	1035	510	70.0			
	221 ABST	44	0700	1035.5	175	9.0			
	100 GORK	44	0712		378 D		10.0		
	315 DWIN	44	0820	1404	490 D		20.0		
	245 SGMR	44	0914 E	1412.8	906 D	45.1			
	234 POTS	45	1018	1603	390 D	60.0			
	113 POTS	45	1036	1603	372 D	350.0			
	245 BOUL	43	1308	0778 D					
	410 SGMR	43	1536	1713.6	524 D	51.3			
	200 HIRA	44	1940	0715	835 D	350.0	150.0		
	100 HIRA	44	1940 E	0640 U	830 D	1000.00	190.00		
	1000 TYKW	45	0437.8	0438	.7	6.0	2.0		
	650 GORK	41	0446.7	0447	1.4	2.3			
	650 GORK		0446.7	0447.8		7.9			
	3750 TYKW	5	0447	0447.4	1.5	3.0	1.0		
	2000 TYKW	5	0447	0447.5	1.5	.9	0.4		
	1000 TYKW	45	0447	0447.6	1	1.0	0.3		
	1000 TYKW	40	0456.5	0457.4	2	10.0	1.4		
	950 GORK	41	0456.9	0456.9	1	2.0			
	950 GORK		0456.9	0457.6		4.4			
	650 GORK	3	0458	0458.1	.3	42.0	16.5		
	3750 TYKW	5	0506	0506.4	1.5	2.0	0.5U		
	200 GORK	6	0516.1	0516.3	1.1	60.0	30.0		
	3750 TYKW	5	0556	0600	20	2.0	1.0		
	200 GORK	41	0719.8	0720	3.3	130.0			
	200 GORK		0719.8	0722.3		120.0			
	100 GORK	6	0721.8	0722.1U	11	80.0D			
	6100 KISV	20	0732	0746	33	2.0			
	100 GORK	6	0819	0820.9	5.3	80.0D			
	536 ONDR	5	0848	0848	.5	40.0			
	650 GORK	21	0918.6	0922.5	24.5	3.7	3.0		
	650 GORK	3	0921.1	0921.3	1.1	8.3	4.0		
	1470 RFRL	45	0935.5	0936.7	1.5	6.7	3.0		
	930 BORD	40	0935	0937	3	10.0	2.0		
	6100 KISV		1032	1035.3	15	62.0			
	1470 BERL	4	1032.5	1035.9	32	416.0	144.0		
	9100 GORK	3	1033.5	1035.7	4.2	61.0	17.0		
	8800 SGMR	4	1033.3	1035.6	7.2	65.1	19.5		
	3000 BERL	4	1033.5	1035.3	31	54.0	18.0		
	510 POTS	45	1033.5U	1035.3U	2.5U	85.0	15.0		
	9500 RFRL	4	1034	1035.3	13	45.0	11.0		
	8800 ATHN	45	1034.8	1035.6	1.4	308.0	103.0		
	4995 SGMR	4	1034.1	1035.6	4.3	60.1	18.0		
	4995 ATHN	45	1034.4	1035.8	2	405.0	135.0		
	3100 CRIM	3	1034	1035	74	50.0D			
	2695 SGMR	4	1034.2	1035.8	4.1	67.6	20.3		
	2695 ATHN	47	1034.6	1035.8	1.8	600.0	200.0		
	1415 SGMR	4	1034.1	1035.8	4.5	432.0	129.6		
	1415 ATHN	47	1034.4	1035.9	2.1	830.0	277.0		
	950 GORK	45	1034.4	1035.4	2.2	460.0D			
	950 GORK		1034.4	1035.7		666.0			
	930 BORD	45	1034	1035	10	640.0	40.0		
	808 ONDR	45	1034	1036	4.5	410.0			
	650 GORK	45	1034.4	1034.8	2.5	39.0			
	650 GORK		1034.4	1036		256.0			
	606 SGMR	4	1034.2	1035.9	9.3	185.4	55.6		
	536 ONDR	45	1034.5	1035.5	5	135.0			
	410 SGMR	6	1034.5	1035.9	4.3	97.9	29.4		
	315 DWIN	45	1034.2	1035.5	1.8	140.0	50.0		
	245 SGMR	6	1034.5	1035.2	2	59.3	17.8		
	221 ABST	48	1034.8	1035.5	1.5	27.0	8.0		
	200 GORK	41	1034.8	1035.4	4.5	120.0			
	200 GORK		1034.8	1038.6		200.0			
	113 POTS	45	1034.8	1035.3	1.1	280.0	40.0		
	100 GORK	41	1034.5	1035.1U	4.6	80.0D			
	100 GORK		1034.5	1037.9		80.0			
	29 UPIC	45	1034.5	1035	4				
	15400 SGMR	4	1035	1035.9	3.5	21.6	6.5		
	9240 ARCE	3	1035.2	1035.9	2.5				
	228 HARS	5	1035	1035.5	1.5	100.0	20.0		
	9240 ARCE	29	1037.7		63.5				
	9100 GORK	29	1037.7	1107	52.3	7.3	3.2		
	200 GORK	41	1042.1	1042.9	4.1	150.0			
	200 GORK		1042.1	1045.7		200.0			
	6100 KISV	20	1105	1107	22	4.0			
	29 UPIC	5	1123	1123.5	1				
	9100 GORK		1154	1500		9.2			
	6100 KISV	20	1155	1200	6	4.0			
	2800 OTTA	27	1155		195	1.6	1.5		
	2800 OTTA	24	1155	1210	15	1.6	0.8		
	9240 ARCE	20	1156.1	1200.5	48				
	2700 PFNN	8	1158.3	1158.4	.2	5.0			
	3100 CRIM	24	1200						
	2800 OTTA	24	1210		155	1.6			
	6100 KISV	3	1216	1216.4	1.3	3.0			

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SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JULY 1974

JUL 1974	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	100 GORK	24	1251.9	1316.20	39	160.0			
	650 GORK	41	1256.5	1256.7	1.3	6.9			
	650 GORK		1256.5	1258		3.5			
	2800 OTTA	20	1257	1323	53	4.2	2.1		
	950 GORK	1	1257.1	1257.4	.4	4.5	2.0		
	4995 SGMR	1	1303.9	1305.1	7.5	6.8	2.1		
	8800 SGMR	20	1304	1305.2	11	7.1	2.2		
	8800 ATHN	1	1304.3	1305.1	4.9	3.7	1.2		
	4995 BOUL	3	1304	1305	1	9.0	3.0		
	4995 ATHN	1	1304.4	1305.2	4.3	4.6	1.5		
	9400 HUAN	20	1319.3	1326.6	13.1	7.3	2.7		
	1420 ROUL	3	1341.5	1342	1	1.0			
	9400 HUAN	20	1359.5	1421.3	65.8	7.3	3.4		
	9500 RFRL	20	1400	1427	60	9.6			
	4995 SGMR	20	1400.6	1406.8	25.4	7.9	2.4		
	3000 RFRL	20	1400	1403.5	22	5.0			
	2800 OTTA	20	1400	1405	20	2.6	1.3		
	2695 SGMR	20	1400.8	1403.4	28.1	3.5	1.0		
	1470 BERL	40	1400	1413.5	28	5.1	1.5		
	536 ONDR	45	1400	1405	20	50.0			
	410 SGMR	6	1400.1	1403.1	23.9	7.0	2.1		
	245 SGMR	6	1400.2	1403.7	24.6	44.2	13.3		
	8800 SGMR	20	1401.3	1407	21.7	11.8	3.5		
	2695 BOUL	21	1401.5	1404.5	18	5.0	2.0		
	1415 SGMR	22	1401.2	1403.2	17.5	4.6	1.4		
	606 SGMR	22	1401	1403.1	17.8	6.6	2.0		
	930 BORD	41	1410	1413.5	7	29.0	3.0		
	1420 ROUL	3	1413	1414	2	3.0	1.0		
	2800 OTTA	26	1445	1510	25	-1.6	-0.8		
	930 BORD	45	1445	1455.6	2	7.0	2.0		
	536 ONDR	5	1446	1456	.5	35.0			
	29 UPIC	5	1500	1500	.5				
	3000 BERL	21	1528		72 D				
	9500 RFRL	21	1530		70 D				
	9240 ARCE	21	1534.6	1628	105				
	3000 BERL	46	1535.8	1546.7	40	143.0			
	9400 HUAN	20	1538.2	1545.2	13.6	6.7	1.9		
	9240 ARCE	2	1546.5	1546.7	1.2				
	10700 PENN	45	1554.8	1558.5	17.4	66.1	8.8		
	9240 ARCE	2	1554.2	1554.8	1				
	4995 ATHN	4	1554.8	1558.4	11.4	52.8	15.8		
	2695 SGMR	46	1554.8	1556.3	6.7	12.2	10.4		
	2695 SGMR	46		1558.4		34.8			
	9500 RFRL	46	1555	1557	16 U	72.0			
	9400 HUAN	45	1555.3	1556.9	5.7	43.9	24.2		
	9400 HUAN		1555.3	1558.4		78.1			
	9400 HUAN		1555.3	1558.6		80.5			
	8800 SGMR	46	1555.1	1556.9	7.3	42.0	26.6		
	8800 SGMR	46		1558.3		88.6			
	8800 ATHN	4	1555.4	1557.2	3.9	87.8	26.3		
	4995 BOUL	45	1555	1558	6	59.0	21.0		
	4995 SGMR	46	1555	1556.7	6.4	32.8	19.0		
	4995 SGMR	46		1558.1		63.4			
	2695 ATHN	4	1555.4	1558.4	4.8	30.7	9.2		
	1415 ATHN	46	1555.7	1558.6	4	57.9	17.4		
	15400 SGMR	4	1556.5	1558.6	7.5	36.7	11.0		
	7000 SAOP	23	1556.9	1559.8	65.2	84.6			
	7000 SAOP	22	1556.9		65.2	16.9			
	7000 SAOP	45	1556.9	1559.8	4	74.9			
	2800 OTTA	23	1556	1622	240	6.6			
	2800 OTTA	45	1556	1558.4	4.5	34.0	14.0		
	2700 PENN	45	1556	1558.5	6 E	39.0			
	2695 BOUL	45	1556.5	1559	5.5	34.0	13.0		
	1470 BERL	4	1556.5	1558.5	39 U	57.0	3.0		
	1420 BOUL	45	1556.5	1559	4	43.0	13.0		
	1415 SGMR	46	1556.7	1557.1	7.4	46.0	15.9		
	1415 SGMR	46		1558.7		53.0			
	960 PENN	45	1556.8	1558	9.8	81.5	4.6		
	930 BORD	45	1556	1557	5	325.0	35.0		
	606 SGMR	46	1556.8	1557.2	8.2	37.2	15.8		
	606 SGMR	46		1559		52.5			
	410 SGMR	6	1556.5	1558.3	10.5	93.6	28.1		
	9240 ARCE	46	1557	1558.4	4.3				
	9240 ARCE		1557	1557.3	1.1				
	9240 ARCE		1558.1	1558.4	3.2				
	7000 SAOP	20	1558.2		48.8	12.0			
	29 UPIC	45	1559	1559.5	2				
	9400 HUAN	20	1614.9	1616.4	19.4	12.2	4.6		
	2800 OTTA	8	1617.7	1617.7		2.6			
	10700 PENN	20	1623	1633.8	32	17.6	9.2		
	18 VCHA	42	1707	1736	37				
	8800 PALE	22	1710 U	1832.4	99 U	19.4	9.4 U		
	2800 OTTA	8		1714.6		2.0			
	15400 SGMR	22	1722.4	1832.8	112.6	26.0	15.6		
	8800 SGMR	22	1722.5	1829.2	113.2	28.7	17.2		
	4995 SGMR	22	1722.5	1828.7	114	15.5	9.3		
	2800 OTTA	1	1722.5	1723.3	2.5	3.6	1.2		
	2700 PENN	1	1722.6	1723.7	3.4	2.7	0.6		
	2695 SGMR	22	1722.8	1723.5	114.7	7.5	4.5		
	1415 SGMR	22	1722.4	1723.4	115.6	4.0	2.4		

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JUL 1974	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		
1	960 PENN	40	1722.8		3.4				
	2695 ROUL	8	1723	1724.5	5.5	6.0	2.0		
	606 SGMR	22	1723	1726.1	114	8.9	5.3		
	9400 HUAN	20	1819	1834.5	35.1	12.2	5.1		
	2800 OTTA	20	1820	1828	70	5.2	2.4		
	18 MCMA	41	1820	1827	12			2	
	2695 BOUL	21	1821	1829.5	36.5	5.0	2.0		
	18 BOUL	41	1821	1824	11			2	
	2800 OTTA	21	2030	2120	165	6.4	3.4		
	18 MCMA	42	2101	2110	12			1	
	18 BOUL	6	2110	2112	3			1	
	2000 TYKW	5	2129.5	2130.3	2	4.0	1.5		
	1420 ROUL	3	2129.5	2130	1	1.0			
	2695 BOUL	3	2130	2131	2.5	4.0	1.0		
	2695 ROUL	45	2136.5	2155.5	35	135.0	40.0		
	1415 MANI	47	2140.8U	2149.7U	39.7U	620.0U			SUNRISE
	1000 TYKW	45	2140	2154.2	30	78.0U	18.0U		SUNRISE
	8800 MANI	40	2141.2U	2154.2U	39.3U	230.0U			SUNRISE
	4995 MANI	40	2141 U	2154.2U	39.5U	265.0U			SUNRISE
	2695 MANI	40	2141 U	2153.8U	39.5U	178.0U			SUNRISE
	2000 TYKW	28	2141.5	2141.9	1	5.0U	2.0U		SUNRISE
	9400 TYKW	45	2142 U	2154.1	22 U	300.0U	80.0U		RAIN
	18 MCMA	41	2142	2151	14			1	
	1420 ROUL	45	2143	2151	28.5	170.0	31.0		
	8800 SGMR	46	2144.8	2151.1	18.5	149.2	48.1		
	8800 SGMR	46		2154.3		240.7			
	8800 PALE	4	2144.6	2154.2	38.7	290.0	50.0		
	2930 VORO	45	2144.5	2154.5	28	238.0			
	2000 TYKW	45	2144	2154.3	20	210.0U	50.0U		SUNRISE
	1415 SGMR	46	2144.3	2149.8	22.5	268.2	47.9		
	1415 SGMR	46		2151.1		239.4			
	1415 PALE	4	2144.9	2149.8	28.3	470.0	100.0		
	606 SGMR	47	2144.7	2147	23.6	690.0	276.0		
	606 SGMR	47		2154.8		510.0			
	18 ROUL	41	2144	2154	15			3	
	15400 SGMR	46	2145.7	2154.3	12.3	174.2	34.8		
	15400 SGMR	46		2155.6		105.3			
	4995 BOUL	45	2145	2154.5	58.5	176.0	55.0		
	4995 SGMR	46	2145.3	2151.1	21.7	128.9	47.1		
	4995 SGMR	46		2154.3		235.4			
	2800 OTTA	4	2145.5	2154.5	16.5	198.0	61.0		
	2695 SGMR	46	2145.6	2151.1	20.7	87.9	39.0		
	2695 SGMR	46		2154.3		195.0			
	606 MANI	46	2145.5U	2146.9U	18.5U	390.0U	155.0		SUNRISE
	900 HIRA	45	2145		20		100.0		
	500 HIRA		2145	2147		480.0			
	500 HIRA		2145	2155		230.0			
	410 SGMR	7	2145.1	2148.2	23.2	460.0	138.0		
	9400 HUAN	46	2146	2154.1	16	207.4	79.0		
	3750 TYKW	45	2146 U	2154.2	18	230.0	55.0		SUNRISE
	245 SGMR	6	2146	2153.3	24	142.9	57.2		
	10700 PENN	45	2153 E	2154.3		217.0			
	2700 PENN	45	2153 E	2154.3		149.0			
	960 PENN	45	2153 E			80.00			
	15400 SGMR	29	2158	2158	25.5	43.6	13.1		
	10700 PENN	29	2202	2202	58	31.8	15.9		
	2800 OTTA	29	2202	2202	18	6.2	3.0		
	8800 SGMR	29	2203.3	2203.3	13.7	9.4	2.8		
	9400 TYKW	29	2204		60	45.0	15.0		
	3750 TYKW	29	2204		65	14.0	8.0		
	2000 TYKW	29	2204		60	4.0	2.0		
	2695 BOUL	8	2236	2236.5	1	26.0	11.0		
	2695 ROUL	8	2303	2303.5	1	12.0	5.0		
	9400 TYKW	5	2320	0020	180	25.0U	10.0U		RAIN
	3750 TYKW	5	2320	0020	190	17.0	8.0		
	2000 TYKW	5	2320	0030	180	5.0	2.0		
	2695 PFNT	23	2325	2420	140	14.0	6.0		
	1415 PALE	41	2333.8	0011	51.8	51.0	1.3		
	2695 MANI	22	2334.2	2344.2	15.8	13.9	4.4		
	1415 MANI	22	2334	2346.6	16	7.4	2.3		
	8800 PALE	41	2335.7	0011	88.1	46.0	2.8		
	1420 ROUL	3	2335	2336.5	1.5	3.0	1.0		
	2000 TYKW	40	2336	2344.2	15	6.0	2.0		
	606 MANI	22	2336.2	2346.4	13.8	5.4	1.5		
	1420 BOUL	45	2339	2339.5	2.5	4.0	1.0		
	1000 TYKW	45	2339	2339.4	10	5.0	1.0		
	2695 BOUL	8	2340	2340.5	1	4.0	1.0		
	1415 SGMR	4	2343	2343.2	1.6	43.0	17.2		
	2695 BOUL	3	2344	2345	1.5	4.0	1.0		
	1420 ROUL	3	2344	2346.5	3	3.0	1.0		
	8800 MANI	4	2354.4	0010.9	23.1	74.0	26.3		
	2000 TYKW	5	2354.5	2354.9	1	14.0	4.0		
	1415 MANI	4	2355.2	0010.9	20.9	49.2	9.2		
	4995 MANI	4	2356.5	0010.9	20.5	70.0	21.1		
	606 MANI	40	2357.6	0003.1	14.8	151.0	19.6		
	9400 TYKW	5	2359		6	10.0U	3.0U		RAIN
	2695 PENT	4	2409	2411	8	48.0	12.0		
2	2000 TYKW	45	0000	0011.1	30	50.0	7.0		
	1420 ROUL	45	0000.5	0002	3	14.0	5.0		

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JUL 1974	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		
2	606 SGMR	41	0000.4	0009.9	19.60	37.6	11.3		
	1415 SGMR	41	0001.8	0002	18.20	34.9	10.5		
	410 SGMR	6	0001.9	0003	18.10	209.0	62.6		
	245 SGMR	6	0001.9	0011	18.10	52.6	15.8		
	500 HIRA	45	0002.5	0003.5	2	200.0	100.0		
	1000 TYKW	40	0003	0003.3	5	3.0	0.20		
	9300 IRKU	3	0006	0011.1	5	65.0			
	4995 BOUL	8	0008	0011	6	50.0	17.0		
	2695 BOUL	45	0008.5	0012	11	38.0	17.0		
	1420 BOUL	45	0008.5	0011	5.5	31.0	11.0		
	500 HIRA	45	0008.6	0010.7	3.5	100.0	30.0		
	9400 TYKW	5	0009	0011	6	23.00	6.00		RAIN
	3750 TYKW	5	0009	0011.1	10	40.0	7.0		
	1000 TYKW	45	0009	0011.2	4	20.0	5.0		
	2930 VORD	3	0010.2	0012.7		28.0			
	1000 TYKW	40	0015	0016.6	12	8.0	0.20		
	8800 PALE	20	0108.7	0116.6	15	8.5	2.1		
	3750 TYKW	45	0108	0116.7	20	8.0	2.0		
	1000 TYKW	40	0108	0110.3	4	2.0	0.11		
	9400 TYKW	5	0109	0117	14	9.00	3.00		RAIN
	4995 BOUL	3	0115	0116.5	2.5	9.0	4.0		
	2695 PENT	2	0115	0116.5	6	4.6	2.3		
	2695 MANI	2	0115.3	0116.6	2.5	4.4	.9		
	2000 TYKW	45	0115	0116	10	9.0	2.0		
	1420 BOUL	3	0115	0116	2.5	4.0	1.0		
	1415 MANI	2	0115.3	0115.7	2.3	6.9	2.8		
	1415 PALE	1	0115.6	0115.8	2.6	4.5	.9		
	1000 TYKW	45	0115	0115.9	3	4.0	1.0		
	606 MANI	2	0115	0115.8	2	3.4	.5		
	2695 BOUL	3	0116.5	0118.5	3	6.0	2.0		
	8800 PALE	20	0141.7	0151.7	32.7	12.0	3.5		
	1415 PALE	1	0158.2	0158.4	.6	5.4	1.8		
	3750 TYKW	5	0242	0257	65	4.0	2.0		
	2000 TYKW	5	0247	0340	75	1.0	0.5		
	1000 TYKW	45	0249.5	0249.9	1	50.0	12.0		
	700 GORK	44	0300 E		600 D		150.0		
	100 GORK	44	0300 E		600 D		25.0		
	29 UPIC	44	0602		508				
	221 ARST	44	0700	0859.2	240	6.0			
	707 IZMI	43	0700		300	270.0			
	536 ONDR	44	0730	0952.5	461	145.0			
	260 ONDR	44	0730	0821.5	461	235.00			
	315 DWIN	44	0735	1210	750 D		90.0		
	550 KIEV	24	0905	1203	360	61.0	46.0		
	410 SGMR	44	0914 F	2044	906 D	99.9			
	245 SGMR	44	0914 F	2040.7	906 D	158.7			
	245 BOUL	44	1143 F	0863 D				3	
	200 HIRA	44	1940 E	2303	865 D	250.0	160.0		
	100 HIRA	44	1940 E	0001	865 D	1000.0	170.0		
	1415 ATHN	4	0417.2	0418.3	1.2	17.4	5.8		
	4995 MANI	4	0418	0418.7	1.8	11.7	1.8		
	3750 TYKW	5	0418	0418.7	3	8.0	2.0		
	2695 MANI	2	0418.1	0418.5	1.2	4.4	.9		
	1415 MANI	40	0418.1	0418.5	1	15.2	4.6		
	1415 PALE	4	0418.2	0418.5	.6	15.7	7.6		
	1000 TYKW	5	0418	0418.3	1	13.0	1.0		
	606 MANI	9	0420.2	0420.7	.6	30.4	3.9		
	3750 TYKW	5	0425	0540	85	5.0	3.0		
	2000 TYKW	5	0425	0540	97	3.0	2.0		
	1000 TYKW	45	0438.8	0438.9	6	7.0	0.3		
	9400 TYKW	45	0454	0455	5	29.0	6.0		
	9300 IRKU	1	0454.3	0455	10	31.0			
	8800 MANI	3	0454.5	0455.2	4.1	27.8	7.0		
	8800 ATHN	3	0454.2	0455	4	30.1	8.4		
	4995 MANI	3	0454.6	0455.2	4	12.5	3.6		
	4995 ATHN	3	0454.5	0455	3.9	13.7	3.9		
	3750 TYKW	5	0454	0455	3	5.0	2.0		
	9400 TYKW	29	0459		30	5.0	2.0		
	1000 TYKW	45	0509.5	0510.2	1.5	4.0	0.4		
	2000 TYKW	45	0533.3	0534.3	1.5	3.0	1.0		
	1415 MANI	4	0533.4	0534.5	1.4	11.3	1.8		
	2695 MANI	1	0534.2	0534.6	.6	2.6	.9		
	650 GORK	1	0534.2	0534.6	.9	7.6	3.8		
	606 MANI	8	0534.2	0534.5	.6	5.4	1.0		
	950 GORK	1	0536.6	0536.6	.4	5.9	2.8		
	9400 TYKW	45	0544	0715.1	95	830.0	60.0		
	9400 TYKW	45	0544	0615.1	52	63.0	11.0		
	6100 KISV	47	0550.4	0600.4	20.1	57.0			
	3750 TYKW	45	0550	0715.1	94	570.0	50.0		
	3750 TYKW	45	0550	0615.2	44	36.0	12.0		
	510 POTS	45	0600 E	0712.5	110 D	4000.0			
	234 POTS	45	0600 F	0714.5	84 D	87000.0			
	113 POTS	45	0600 E	0726.5	96 D	2400.0			
	8800 MANI	41	0601.8	0603	26.2	113.0	26.1		
	4995 MANI	41	0601.8	0615.3	26.2	44.0	13.4		
	4995 ATHN	3	0601.9	0602.8	1.4	29.4	8.8		
	2695 MANI	41	0601.8	0609.6	25.7	17.6	7.0		
	1415 MANI	41	0601.8	0615.5	20.9	50.0	3.6		
	606 MANI	41	0601.5	0615	22.2	37.2	7.4		
	9300 IRKU	3	0602	0602.8	2	91.0			

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JUL 1974	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		
2	8800 ATHN	4	0602.1	0602.8	4.4	16.7	5.0		
	3100 CRIM	40	0602	0602.	240	29.0	10.0		
	3100 CRIM		0602	0616		27.0	9.0		
	3100 CRIM		0602	0637		58.0	19.0		
	3100 CRIM		0602	0640		109.0	36.0		
	3100 CRIM		0602	0650		160.0	53.0		
	3100 CRIM		0602	0715		360.0	120.0		
	2695 ATHN	1	0602.3	0602.7	1	9.1	2.7		
	2000 TYKW	45	0602	0715.1	80	240.0	34.0		
	2000 TYKW	45	0602	0610.1	28	40.0	6.0		
	1415 ATHN	1	0602.3	0602.7	1	1.7	.5		
	1000 TYKW	45	0602	0615.5	15	55.0	4.0		
	29 UPIC	45	0602		9.5				
	950 GORK	23	0605 E	0637.7	95	6.0			
	200 GORK	41	0605.5E	0606.5	13.3	1500.0			
	200 GORK		0605.5E	0610.1		2000.0			
	200 GORK		0605.5E	0613.9		2000.0			
	650 GORK	23	0606 F	0724	106.7	8.0			
	8800 ATHN	2	0608.6	0609.6	2.1	6.7	2.0		
	650 GORK	4	0608.7	0610.3	1.9	15.0			
	9300 IRKU	20	0609	0615.1	15	98.0			
	2695 ATHN	3	0609.1	0609.6	1.6	13.7	4.2		
	1415 ATHN	4	0609	0609.5	1.3	12.5	3.8		
	950 GORK	4	0609	0609.9	2.5	17.0			
	228 HARS	45	0609	0610	2	750.0	150.0		
	100 GORK	41	0609.2	0609.6	6.8	4000.00			
	100 GORK		0609.2	0614		2000.0			
	8800 ATHN	46	0612.1	0615.1	14.2	50.1	15.0		
	4995 ATHN	46	0612.3	0615.1	7.3	78.4	23.5		
	2695 ATHN	4	0612.4	0615.1	4.5	13.7	4.1		
	1415 ATHN	46	0612.6	0615.3	4	43.2	13.0		
	950 GORK	46	0612	0614.2	6	21.0			
	950 GORK		0612	0615.9		36.0			
	650 GORK	46	0613	0614.1	3.7	27.0			
	650 GORK		0613	0615.2		30.0	9.7		
	9100 GORK	47	0630	0715	128	695.0	67.0		
	2000 TYKW	45	0630	0650.2	33	240.0	40.0		
	1000 TYKW	45	0630	0639.6	60	80.0	23.0		
	1000 TYKW	45	0630	0639.6	33	80.0	22.0		
	6100 KISV	47	0632.3	0640.3	25	109.0			
	4995 ATHN	46	0633.5	0639.3	18.9	55.9	16.8		
	2695 ATHN	46	0633	0650	30.3	178.1	53.4		
	3750 TYKW	45	0634	0641.3	32	152.0	40.0		
	4995 MANI	47	0635.9	0715.3	70.9	1550.0	390.0		
	1415 ATHN	46	0635.7	0641.1	15.5	250.5	75.2		
	1415 ATHN	46		0650.2		156.5			
	9400 TYKW	45	0636	0640.7	30	130.0	55.0		
	9300 IRKU		0636	0640.5		164.0			
	9300 IRKU		0636	0643.7		63.0			
	9300 IRKU		0636	0647.2		112.0			
	9300 IRKU	45	0636	0650.1	81	81.0			
	9300 IRKU		0636	0715		1270.0			
	8800 MANI	47	0636.6	0715.3	67.9	1060.0	250.0		
	8800 ATHN	46	0636.9	0640.7	14.8	81.8	24.5		
	2695 MANI	46	0636	0715.1	71.4	360.0	106.0		
	1415 MANI	46	0636	0641.3	66.3	240.0	67.0		
	808 ONDR	45	0636		46	680.00			
	536 ONDR	45	0636		54	470.00			
	260 ONDR	45	0636		54	235.00			
	100 GORK	41	0636.5	0637	8.4	104.0			
	100 GORK		0636.5	0643.9		19000.0			
	29 UPIC	45	0636.5	0641	12.5				
	1420 KIFL	45	0637	0642	46	320.0	70.0		
	1000 KIFL	45	0637	0707	45	900.0	200.0		
	950 GORK	46	0637.6	0639.2	13.6	425.0			
	950 GORK		0637.6	0650.5		665.0			
	800 KIFL	45	0637	0708	49	2200.0	200.0		
	650 GORK	4	0637.5	0638.7	1.4	147.0			
	606 MANI	47	0637	0708.3	49.7	17200.0	2200.0		
	600 KIFL	45	0637	0711	50	4600.0	700.0		
	500 HIRA	48	0637	0708.6	48	6400.0	620.0		
	228 HARS	45	0639.5	0640	1.5	900.0	300.0		
	200 GORK	6	0639.4	0639.7	1.7	2000.00			
	9500 RFPL	46	0645 F	0715	272.0	670.0	235.0		
	3000 RFPL	46	0645 F	0715	276.0	531.0	136.0		
	1470 RFPL	46	0645 F	0650	300.0	184.0	54.0		
	550 KIEV	48	0648.5E	0708.4	35.0	17800.0			
	650 GORK	4	0649.5	0650.2	1.5	1240.0			
	200 GORK	41	0650.2	0655.4	31.2	300.0			
	200 GORK		0650.2	0713		2000.0			
	200 GORK		0650.2	0715.2		15000.0			
	200 GORK		0650.2	0717.3		2000.0			
	1415 ATHN	41	0651.2	0701.7	36.3	97.1	29.1		
	228 HARS	5	0654.5	0655.5	2	650.0	200.0		
	950 GORK	3	0701.5	0702	1	350.0			
	650 GORK	46	0701.5	0701.7	8.7	2000.00			
	650 GORK		0701.5	0708.7		15000.0			
	100 GORK	41	0701.5	0709.2	20	4000.0			
	100 GORK		0701.5	0715.1		4000.00			
	29 UPIC	45	0701.5	0709	17.5				

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SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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JUL 1974	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		
2	2000 TYKW	45	0703	0715.1	19	185.0	65.0		
	1000 TYKW	45	0703	0715	27	75.0	25.0		
	6100 KISV	41	0704.4	0715.1	17.3	536.0			
	2695 ATHN	28	0705.7	0710.3	4.6	36.5	11.0		
	9400 TYKW	45	0706	0715.1	13	830.0	260.0		
	8800 ATHN	28	0706.4	0707.7	1.3	6.7	2.0		
	4995 ATHN	28	0706.2	0707.8	1.6	16.7	5.0		
	3750 TYKW	45	0706	0715.1	18	570.0	155.0		
	950 GORK	46	0706	0708.4	12.3	530.0			
	950 GORK		0706	0711.2		490.0			
	9240 ARCE	28	0707.1		3.5				
	8800 ATHN	47	0707.7	0712.9	16.3	448.0	167.4		
	8800 ATHN	47		0714.6		558.00	.4		
	4995 ATHN	46	0707.8	0712.7	25.1	245.00	49.0		
	4995 ATHN	46		0715		245.0	49.0		
	207 IZMI	49	0708.5	0715.1	16.5	15000.0	4000.0		
	207 IZMI		0708.5	0719.6		5800.0			
	228 HARS	45		0709	14	3000.0	1000.0		
	9240 ARCE	45	0710.6	0715.1	9.1				
	9240 ARCE		0710.6	0713.2	3.6				
	9240 ARCE		0714.2	0715.1	5.5				
	2695 ATHN	46	0710.3	0712.7	13.7	189.2	78.3		
	2695 ATHN	46		0715.3		260.8			
	400 KIEL	45	0716 E	0716		15000.0	2000.0		
	240 KIEL	45	0716 E	0716		32000.0	3000.0		
	9400 TYKW	29		0719	41 D	80.0	40.00		
	9240 ARCE	29		0719.7	48				
	2000 TYKW	29		0722	38 D	18.0	10.00		
	3750 TYKW	29		0724	36 D	32.0	20.00		
	650 GORK	4	0725.4	0725.6	.7	25.0	12.5		
	606 MANI	40		0814	8.3	47.9	5.1		
	1470 BERL	40	0815	0821.7	20	7.0			
	8800 MANI	4	0819.4	0821.9	4.1	50.0	14.3		
	6100 KISV	41	0819.4	0821.4	4.3	34.0			
	4995 MANI	4	0819.7	0821.9	3.8	32.6	10.2		
	3000 BERL	46	0819.5	0822	3.2	26.0			
	2695 MANI	2	0819.5	0820.2	3.8	10.4	2.8		
	1415 MANI	2	0819.2	0821.9	3.1	3.7	1.4		
	808 ONDR	45	0819.5	0819.5	2.5	115.0			
	650 GORK	4	0819.9	0820.3	2.4	73.0			
	950 GORK	41	0820.1	0820.1	2.6	2.5			
	950 GORK		0820.1	0822.2		7.7			
	930 RORD	41	0820	0821.8	3	13.0	2.0		
	536 ONDR	45	0820	0822	3	105.0			
	510 POTS	45	0820 U	0821.9	2 U	210.0	7.0		
	315 DWIN	45	0820.3	0821.9	1.8	800.0	150.0		
	234 POTS	45	0820.4	0821.8	1.6	700.0	35.0		
	113 POTS	45	0820.6	0821.6	1.6	4900.0	400.0		
	100 GORK	41	0820.6	0820.9	1.8	4000.0			
	100 GORK		0820.6	0822		4000.00			
	29 UPIC	45	0820.5		2				
	9500 BERL	4	0821.5	0821.7	2	39.0			
	9300 IRKU	3	0821.7	0821.8	1.5	67.0			
	9240 ARCE	3	0821.9	0822	2				
	228 HARS	45	0821	0821.5	1	600.0	200.0		
	207 IZMI	6	0821.5	0822	.7	720.0	300.0		
	8800 ATHN	3	0822	0822.2	1.6	18.4	5.5		
	4995 ATHN	3	0822	0822.2	2.2	14.7	4.4		
	2695 ATHN	1	0822	0822.2	1.2	6.8	2.0		
	650 GORK	1	0827.4	0827.6	1.1	3.2	1.6		
	234 POTS	45	0853.3	0853.4	.1	250.0	80.0		
	9100 GORK	20	0857	0906	30	6.7	3.3		
	29 UPIC	45	0910	0913	4.5				
	9100 GORK	22	0936		144 D				
	6100 KISV	3	0936.4	0937.3	2	6.0			
	3000 BERL	40	0936.5	0943.2	24	19.0			
	9500 BERL	22	0942.5	0947	28	14.0			
	8800 ATHN	3	0942.7	0951.2	18	11.7	3.8		
	6100 KISV	20	0942.3	0947	20	11.0			
	4995 ATHN	20	0942.8	0951.2	18.2	9.8	2.9		
	2695 ATHN	3	0942.7	0943.2	11.5	16.0	4.8		
	1470 BERL	40	0942.5	0943.3	13	6.7			
	1415 ATHN	20	0942.7	0943.2	11.9	3.3	1.0		
	930 RORD	40	0942	0946.8	14	19.0	3.0		
	808 ONDR	45	0942.5	0951.5	14	85.0			
	29 UPIC	45	0942		14				
	234 POTS	45	0943.2	0943.2	.1	450.0	90.0		
	113 POTS	40	0943.2	0946.8	4.8U	5000.0	200.0		
	650 GORK	23	0944.3	0953.6	11.9	12.3	4.4		
	950 GORK	40	0945	0947.2	10.2	12.6			
	606 SGMR	40	0945 U	0951.3	11.2U	65.9	19.8		
	410 SGMR	7	0945 U	0952.2	11 U	324.0	97.2		
	100 GORK	6	0945.8	0947	1.4	4000.00			
	550 KIEV	6	0946.5	0952.4	9	97.0			
	510 POTS	41	0946 U	0953.2	7.3	300.0	3.0		
	536 ONDR	45	0950.5	0952.5	4	145.0			
	650 GORK	4	0951	0951.6	3	48.0			
	228 HARS	45	0952	0952.5	1	950.0	200.0		
	650 GORK	4	1018.1	1019.7	2.9	10.0	5.0		
	536 ONDR	45	1018	1019.5	3.5	75.0			

SOLAR RADIO EMISSION
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JULY 1974

JUL 1974	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		
2	29 UPIC	45	1020	1022.5	4				
	930 RORD	5	1032	1032.3	1	19.0	2.0		
	950 GORK	3	1032.4	1032.5	.3	14.0	7.0		
	808 ONDR	5	1032	1032	.5	85.0			
	650 GORK	22	1032.7	1035.6	10.5	2.5	1.2		
	29 UPIC	45	1034	1035	2				
	650 GORK	23	1043.5	1117	93.5	15.6	10.0		
	29 UPIC	45	1044.5		31.5				
	234 POTS	40	1057.5	1106	13	600.0	12.0		
	808 ONDR	45	1108.5	1110.5	3	100.0			
	606 SGMR	40	1108.5	1111.2	4.5	37.8	11.3		
	536 ONDR	45	1108.5	1111	3	80.0			
	950 GORK	46	1109.5	1109.5	2.1	12.9			
	950 GORK		1109.5	1111		26.0			
	930 RORD	41	1109	1110.9	3	90.0	2.0		
	650 GORK	46	1109.4	1110.6	2.2	31.0			
	650 GORK		1109.4	1111.2		41.0			
	510 POTS	40	1109 U	1110.5U	3 U	90.0	7.0		
	1470 PEPL	4	1110.5	1110.5	.5	6.7			
	1415 SGMR	2	1110.7	1110.8	2.4	6.2	1.2		
	29 UPIC	45	1143.5	1144	3				
	950 GORK	21	1146	1217	75 D	7.8			
	29 UPIC	45	1153	1218	53.5				
	3000 RERL	22	1215	1416.5	165 D	12.0			
	1470 RERL	22	1218	1309	162 D	7.0			
	650 GORK	23	1218.6	1233.6	42.9	58.0			
	950 RERL	20	1225	1352 U	155 D	19.0			
	2800 OTTA	22	1225	1343	135	4.6	2.3		
	650 GORK	4	1232.8	1234.5	2.7	7.5	3.7		
	950 GORK	3	1233.7	1234.5	2	4.5			
	808 ONDR	45	1233	1234	2.5	75.0			
	29 UPIC	45	1256	1300	8				
	234 POTS	45	1259.8	1259.8	.2	600.0	150.0		
	113 POTS	45	1259.8	1259.8	.1	1200.0	300.0		
	7000 SAOP	22	1321.2		42.7	15.3			
	29 UPIC	45	1354	1402	10				
	113 POTS	5	1357	1357.1	.1	570.0	200.0		
	536 ONDR	45	1358.5	1402	3.5	70.0			
	808 ONDR	45	1400.5	1401	1.5	70.0			
	606 SGMR	4	1401.2	1401.7	.8	19.5	5.8		
	410 SGMR	6	1401.3	1401.5	.7	16.7	5.0		
	245 SGMR	6	1401.3	1401.5	.8	136.0	40.7		
	29 UPIC	45	1411.5	1412	1				
	536 ONDR	45	1419	1421.5	4	80.0			
	510 POTS	45	1420.5U	1421 U	1 U	77.0	10.0		
	315 DWIN	45	1420.5	1420.9	.4	460.0	200.0		
	234 POTS	45	1421.2	1421.2	.6	400.0	80.0		
	113 POTS	45	1421.2	1421.3	.4	430.0	100.0		
	808 ONDR	5	1424	1424	.5	75.0			
	29 UPIC	45	1429	1429.5	1				
	29 UPIC	45	1506.5	1507.5	3				
	113 POTS	5	1507	1507.1	.2	600.0	200.0		
	29 UPIC	45	1514.5	1522	8.5				
	18 MCMA	41	1514	1519	7			2	
	7000 SAOP	2	1526.3	1526.4	.8	11.9			
	930 RORD	41	1535	1537	3	11.0	2.0		
	18 MCMA	41	1535	1538	5			2	
	930 RORD	45	1542	1542.1	1	11.0	2.0		
	7000 SAOP	23	1551.3	1634.4	132	87.0			
	7000 SAOP	22	1551.3		132	17.8			
	930 RORD	5	1557	1557.9	1	22.0	2.0		
	29 UPIC	45	1557.5	1558.5	1.5				
	18 MCMA	41	1558	1600	7			2	
	18 ROUL	42	1606	1613	8			1	
	29 UPIC	45	1608	1609	7.5				
	18 MCMA	42	1608	1615	9			3	
	930 RORD	45	1610	1610.7	1	10.0	2.0		
	4995 SGMR	4	1626.9	1638.9	30.1	58.3	17.5		
	8800 SGMR	4	1627.8	1638.8	30.2	64.0	19.2		
	8800 ATHN	1	1627.9	1630	2.1	7.5	2.3		
	2800 OTTA	21	1627	1650	115	5.2	3.0		
	2695 SGMR	4	1627.5	1639	18.6	26.7	4.6		
	4995 ROUL	45	1628	1638.5	14.5	47.0	15.0		
	4995 ATHN	1	1628.3	1630.1	3.4	8.7	2.6		
	1415 SGMR	4	1628.5	1639	34.4	89.0	26.7		
	410 SGMR	49	1630	1639.2	21.3	2750.0	825.0		
	18 ROUL	6	1630	1634	6			1	
	7000 SAOP	4	1632.5	1634.4	5.4	71.5			
	1420 ROUL	45	1632.5	1639	16.5	48.0	17.0		
	606 SGMR	47	1632	1638.7	24.8	11500.0	3450.0		
	1540 SGMR	4	1633.5	1638.7	21.3	28.1	8.4		
	2695 ROUL	45	1633.5	1640	12	20.0	6.0		
	1415 ATHN	46	1633.1	1639	11.7	73.5	22.1		
	930 RORD	45	1633	1639	18	250.0	35.0		
	315 DWIN	41	1634.3	1641.1	9	160.0			
	10700 PENN	3	1636.5	1638.9	8.9	36.6	10.3		
	9400 HUAN	3	1636.3	1638.8	4.7	50.9	14.7		
	8800 ATHN	46	1636.3	1638.8	8.5	48.6	14.6		
	4995 ATHN	46	1636.2	1638.9	8.6	38.2	11.5		
	2800 OTTA	4	1636	1639	10	21.0	5.2		

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JUL 1974	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		
2	2695 ATHN	46	1636.2	1639	8.5	17.2	5.2		
	960 PFNN	45	1636.2	1639	12.1	83.2	11.1		
	9240 ARCE	4	1637.7	1639.1	11				
	8800 PALE	4	1637.6	1638.8	7.5	58.1	13.6		
	1415 PALE	4	1637.7	1639	9.9	99.0	16.9		
	18 BOUL	41	1638	1645	9			1	
	18 MCMA	41	1639	1646	11			3	
	9400 HUAN	29	1641	1641	8.3	16.1	7.0		
	8800 SGMR	22	1700	1714.8	43.2	15.2	9.1		
	4995 SGMR	22	1700.1	1714.9	42.9	7.6	4.5		
	18 MCMA	6	1700	1703	5			2	
	410 SGMR	6	1701.5	1720.6	34.9	53.2	16.0		
	2695 SGMR	22	1705.4	1718	39.1	2.5	1.5		
	9400 HUAN	20	1706.2	1712.9	15.2	13.4	6.1		
	1415 SGMR	22	1707.8	1723.3	34.6	2.3	1.4		
	18 BOUL	41	1707	1717	12			1	
	7000 SAOP	22	1710	1710	12.4	10.1			
	606 SGMR	22	1711.4	1722	36.5	18.3	11.0		
	18 MCMA	41	1714	1718	11			3	
	315 DWIN	45	1719.4	1720.8	1.7	420.0	75.0		
	15400 SGMR	22	1720	1742.1	32.3	31.1	18.7		
	18 MCMA	41	1745	1749	6			2	
	7000 SAOP	22	1802.6		10	12.8			
	18 BOUL	42	1824	1934	79			3	
	18 MCMA	42	1840 F	1933	54 D			3	
	15400 SGMR	3	1846.3	1846.4	1.4	28.5	8.6		
	10700 PFNN	3	1846.2	1846.5	2.8	23.2	4.0		
	8800 SGMR	3	1846.2	1846.4	1.8	17.6	5.3		
	8800 PALE	3	1846.3	1846.6	2.5	18.6	2.2		
	4995 SGMR	1	1846.1	1846.4	1.9	2.8	.8		
	2800 OTTA	28	1850	1925	35	1.8	0.9		
	15400 SGMR	23	1925	1950.3	124.3	16.7	7.4		
	2800 OTTA	27	1925		305	9.2			
	2800 OTTA	24	1925	1935	10	9.2	4.6		
	2695 SGMR	23	1925.6	1943.8	110.1	8.4	5.0		
	8800 PALE	23	1926	1950.2	126.5	31.5	2.6		
	8800 SGMR	23	1927.2	1934.5	115.8	17.6	10.6		
	4995 SGMR	23	1927.5	1935.4	120.1	16.8	10.1		
	1415 SGMR	23	1930.4	2043.8	111.4	7.8	4.7		
	1415 PALE	23	1932.3	1954.2	108.3	3.6	2.2		
	606 SGMR	40	1932.5	1934.1	114	56.1	33.7		
	2800 OTTA	24	1935		272	9.2			
	18 MCMA	42	2034	2052	35			2	
	8800 PALE	40	2042.6	2043.6	4.9	5.7	3.4		
	2800 OTTA	2	2042	2044	3	2.0	1.0		
	2695 BOUL	45	2043.5	2045	2.5	4.0	1.0		
	1420 BOUL	8	2043.5	2044	1	9.0	4.0		
	1415 PALE	2	2043	2043.8	1.2	8.9	2.7		
	8800 PALE	40	2050.2	2052.8	11.1	10.0	6.0		
	15400 SGMR	1	2051.3	2052	2.7	8.7	2.6		
	10700 PFNN	1	2051.4	2053.2	7.4	4.7	2.3		
	1420 BOUL	8	2051	2052.5	3	6.0	2.0		
	1415 SGMR	1	2051.5	2052.8	2	8.4	2.5		
	1415 PALE	2	2051	2052.2	7.3	7.6	2.3		
	410 SGMR	48	2051.6	2051.8	1	580.0	174.0		
	8800 SGMR	1	2052.5	2053.1	1.9	7.6	1.0		
	4995 SGMR	1	2052.5	2052.9	1.5	3.9	1.2		
	2800 OTTA	1	2052.2	2052.9	1	4.6	2.3		
	2695 SGMR	1	2052.5	2052.9	1.1	4.8	1.4		
	2695 BOUL	8	2052.5	2053.5	2	7.0	3.0		
	960 PFNN	3	2052.3	2052.6	1.5	54.9	6.4		
	606 SGMR	47	2052.5	2052.8	.7	730.0	219.0		
	500 HTRA	5	2052	2053	1.5	640.0	330.0		
	18 BOUL	6	2103	2109	8			1	
	18 MCMA	6	2107	2109	5			2	
	9400 HUAN	20	2112.7	2123.8	23	12.1	3.4		
	410 SGMR	6	2132.3	2134	2.2	45.2	13.6		
	606 SGMR	41	2133.2	2137	4.9	27.5	8.2		
	18 MCMA	42	2133	2139	7			1	
	8800 SGMR	3	2200.9	2206	8.8	10.0	3.0		
	606 SGMR	20	2200.3	2204.2	13.8	5.5	3.3		
	1415 SGMR	3	2201.8	2205.5	10.6	12.8	3.8		
	4995 SGMR	3	2202.9	2204.5	10.4	11.3	3.4		
	3750 TYKW	45	2202	2204.8	7	14.0	4.0		
	2800 OTTA	3	2202.5	2206	13	13.2	6.0		
	2000 TYKW	5	2202	2205	13	14.0	6.0		
	1420 BOUL	3	2202.5	2206	9.5	10.0	4.0		
	1415 PALE	20	2202.8	2204.6	9.5	12.9	7.8		
	1000 TYKW	5	2202	2205	8	9.0	3.0		
	18 MCMA	6	2202	2205	6			2	
	18 BOUL	6	2202	2206	6			1	
	9400 TYKW	5	2203	2205	7	4.0	2.0		
	8800 PALE	20	2203.5	2205.6	13.5	10.0	6.0		
	2695 BOUL	3	2203.5	2207	13.5	16.0	6.0		
	2695 SGMR	3	2203.6	2204.7	7.4	10.6	3.2		
	606 MANI	40	2244.4	2304	72	445.0	72.0		
	2695 PENT	21	2245	2245	70	7.4	3.7		
	8800 MANI	4	2246.7	2311.4	40	205.0	27.4		
	4995 BOUL	45	2246	2312	56.5	176.0	40.0		
	4995 MANI	4	2246.7	2311.4	41.1	235.0	46.8		

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JUL 1974	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		
2	2695 ROUL	45	2246.5	2307	50	52.0	17.0		
	410 SGMR	6	2247.5	2311.7	67.5	201.0	60.2		
	245 SGMR	6	2247.5	2313.5	67.5	111.1	33.0		
	9400 TYKW	45	2248	2311.4	42	145.0	25.0		
	3750 TYKW	45	2248	2311.5	42	110.0	18.0		
	2695 MANI	40	2248.5	2305.8	45	85.0	19.4		
	1415 MANI	40	2250.2	2306.2	50	161.0	33.6		
	2695 PFNT	40	2251	2306	39	74.0			
	2000 TYKW	45	2251	2305.9	39	225.0	25.0		
	1420 ROUL	3	2251	2252	1.5	4.0	1.0		
	1415 SGMR	46	2251.2	2306.2	47.8	162.5	32.5		
	1415 SGMR	46		2311.1		68.5			
	606 SGMR	46	2251.3	2304.2	53.7	287.0	57.4		
	606 SGMR	46		2311.5		263.0			
	500 HIRA	45	2251.3		24.5		20.0		
	500 HIRA		2251.3	2252		140.0			
	500 HIRA		2251.3	2311.4		230.0			
	1420 ROUL	45	2258	2308	24	68.0	15.0		
	1000 TYKW	45	2258	2311	25	34.0	5.0		
	960 PENN	45	2258	2311.2D		75.0D			
	10700 PENN	45	2300	2311.4D		110.0D			
	8800 PALE	46	2300.6	2306.5	29.9	72.0	510.0		
	8800 PALE	46		2311.3		170.0			
	1415 PALE	46	2300.5	2306.3	32.5	200.0	60.0		
	1415 PALE	46		2311.1		69.0			
	2930 VORO	3	2301	2311	17.5	51.0			
	15400 SGMR	46	2302.1	2302.9	17.9	79.4	15.9		
	15400 SGMR	46		2311.4		48.4			
	8800 SGMR	46	2302	2306.4	20.5	51.7	28.4		
	8800 SGMR	46		2311.4		140.3			
	2695 SGMR	46	2302.1	2305.8	18.5	60.3	12.1		
	2695 SGMR	46		2311.7		49.5			
	4995 SGMR	46	2303	2306.4	21	16.2	27.5		
	4995 SGMR	46		2311.3		137.6			
	500 HIRA	29	2315.5	2329.4	18.9	50.0	4.0		
	1420 ROUL	45	2328.5	2329.5	3	13.0	5.0		
	9400 TYKW	29	2330		60	14.0	7.0		
	3750 TYKW	29	2330		80	8.0	4.0		
	2000 TYKW	29	2330		80	8.0	4.0		
3	4995 ROUL	3	0000	0002	1.5	12.0	5.0		
	2695 PFNT	8	0002.9	0003	.5	6.6	3.3		
	2695 ROUL	8	0003	0004	2.5	7.0	3.0		
	2800 OTTA	26	0007	0008		-9.2			
	1420 ROUL	3	0046.5	0049.5	11	3.0	1.0		
	9400 TYKW	5	0053	0059	11	4.0	2.0		
	3750 TYKW	45	0053	0058.5	10	9.0	1.0		
	4995 ROUL	3	0057	0058.5	4	7.0	3.0		
	2695 PFNT	8	0057.5	0057.5		7.8			
	2695 ROUL	45	0058	0058.5	3	7.0	3.0		
	2695 PFNT	8	0058.7	0058.7		9.8			
	9400 TYKW	28	0110	0140	55	15.0	8.0		
	3750 TYKW	28	0110	0140	54	8.0	3.0		
	2695 PFNT	24	0110	0140	30	5.6	2.8		
	2000 TYKW	28	0110	0140	55	3.0	2.0		
	8800 PALE	23	0126.7	0216.2	81.1	39.0	23.0		
	2695 PFNT	24	0140		10 D	5.6			
	606 MANI	41	0147.7	0148.3	9.8	5.2	1.6		
	1415 MANI	2	0152	0155.5	6.8	5.0	1.3		
	1415 PALE	1	0154.6	0155.4	2.1	5.5	1.7		
	8800 MANI	4	0202	0209.3	13.4	73.0	18.3		
	4995 MANI	4	0203	0209.4	14	52.0	9.7		
	3750 TYKW	45	0204	0209.5	26	50.0	15.0		
	2930 VORO	40	0204.6	0209.5	21.2	29.0			
	9400 TYKW	45	0205	0209.2	20	80.0	30.0		
	9300 IRKU	3	0205	0209	18	70.0	15.0		
	2000 TYKW	5	0205	0209.6	25	9.0	3.0		
	2695 MANI	4	0206.4	0209.6	8.5	18.0	8.0		
	8800 PALE	4	0207.4	0209.3	3.6	65.0	20.0		
	1415 MANI	8	0207.7	0208.2	1.3	130.0	68.0		
	1415 PALE	4	0207.8	0208.2	4.2	110.0	34.0		
	9400 TYKW	29	0225		35	22.0	22.0		
	3750 TYKW	29	0230		30	7.0	6.0		
	2000 TYKW	29	0230		30	2.0	2.0		
	9400 TYKW	45		0317.7	30	190.0	35.0		
	3750 TYKW	45		0318.4	30	100.0	25.0		
	2000 TYKW	45		0318.5	23	100.0	25.0		
	650 GORP	23	0300.3E	0345	120 D	12.0			
	200 GORP	44	0300 E		490 D		60.0		
	100 GORP	44	0300 F		600 D		20.0		
	536 ONDR	41	0640		512	470.0D			
	260 ONDR	44	0640		512	235.0D			
	315 DWIN	44	0747	0951	526 D		40.0		
	29 UPTIC	44	0847	0953	284				
	606 SGMR	44	0915 E	0951.8	579.2D	213.5			
	410 SGMR	44	0915 E	1100.6	905 D	418.6			
	245 SGMR	44	0915 E	0940.5	905 D	110.2			
	245 ROUL	44	1143 E	0863 D					
	200 HIRA	44	1940 F	0649	830 D	170.0	40.0	3	
	100 HIRA	44	1940 F	0646	830 D	200.0	20.0		

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SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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JUL 1974	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		
3	9300 IRKU	1	0303	0305.5	6	27.0			
	500 HIRA	45	0304	0327.5	51	3600.0	2400.0		
	606 MANI	47	0305.4	0319.	49.7	6600.0	125.0		
	950 GORK	23	0306.8	0312.1	26.4	5.8			
	8800 MANI	46	0311.3	0318.4	13.9	170.0	45.7		
	4995 MANI	46	0311.3	0318.4	13.9	121.0	29.1		
	2695 MANI	46	0311.3	0318.4	12.2	90.0	20.0		
	1415 MANI	46	0311.5	0319.8	12.3	90.0	9.0		
	2930 VORG	40	0312.5	0318.3	14.7	83.0			
	8800 PALE	46	0313.6	0315.7	30.1	78.0	50.0		
	8800 PALE	46		0317.5		160.0			
	8800 PALE	46		0318.4		150.0			
	8800 PALE	46		0319.6		120.0			
	1415 PALE	46	0313.6	0318.5	29.9	84.0	30.0		
	1415 PALE	46		0319.8		100.0			
	9300 IRKU		0314	0316		79.0			
	9300 IRKU		0314	0317.7		172.0			
	9300 IRKU	45	0314	0318.4	15	160.0			
	9300 IRKU		0314	0319.5		121.0			
	650 GORK	46	0314.3	0314.6	2	17.0			
	650 GORK		0314.3	0315.9		27.0			
	1000 TYKW	45	0315	0319.7	15	25.0	5.0		
	1000 TYKW	5	0315	0420	180	9.0	3.0		
	950 GORK	3	0315.1	0316.1	1.8	5.8			
	950 GORK	46	0317.1	0319	3.9	75.00			
	950 GORK		0317.1	0319.6		75.00			
	650 GORK	4	0317.1	0318.7	3.2	1400.00			
	500 HIRA	45	0318.4	0319	1.8	4900.0	1500.0		
	650 GORK	46	0320.8	0327.8	22.8	123.0			
	650 GORK		0320.8	0333.1		104.0			
	2000 TYKW	29	0323		165	10.0	5.0		
	950 GORK	4	0324	0326.1	3	8.0	2.3		
	9400 TYKW	29	0330		160	40.0	15.0		
	3750 TYKW	29	0330		160	25.0	10.0		
	2000 TYKW	45	0403	0404.7	2	13.0	3.0		
	1415 MANI	2	0403	0404.5	3.7	5.4	1.4		
	1000 TYKW	5	0403	0404.7	3	4.0	1.0		
	606 MANI	2	0403.8	0404.5	2	5.2	1.0		
	9400 TYKW	45	0416	0416.7	4	35.0	11.0		
	8800 MANI	4	0416.1	0416.7	4.9	23.8	5.5		
	8800 ATHN	3	0416.3	0417.2	3.3	16.3	4.9		
	606 MANI	40	0520.9	0524.2	8.1	16.6	2.6		
	1415 MANI	2	0523.7	0523.9	1.4	2.2	.9		
	650 GORK	3	0523.6	0524.2	.8	18.0	9.0		
	2000 TYKW	5	0550	0552	12	2.0	1.0		
	1415 MANI	2	0550.7	0553.8	6.6	3.2	.9		
	650 GORK	41	0550	0552.2	5.6	22.0			
	650 GORK		0550	0554.3		16.0			
	606 MANI	40	0550	0552.1	10.5	30.1	9.4		
	2695 MANI	2	0551.7	0551.9	5	4.0	1.0		
	1000 TYKW	45	0553	0554	14	3.0	1.0		
	950 GORK	1	0553	0553.7	2	4.5	1.5		
	9100 GORK	20	0632.5	0635.5	9.5	6.8	3.9		
	650 GORK	3	0632.6	0632.8	.6	9.5	4.7		
	200 GORK	6	0636	0637	2	150.0			
	1470 RERL	40	0700	0724.4	40	5.2			
	221 ABST	44	0700	0835.5	240	16.0			
	950 GORK	1	0709.2	0710.2	1.5	3.6	1.0		
	9500 RERL	22	0719	0732.3	24	7.0			
	9100 GORK	20	0719.5	0724.5	143.5	3.5	1.8		
	4995 MANI	2	0723.2	0724.5	2.2	4.9	1.0		
	3000 BERL	2	0723.5	0724.5	17	7.3	2.2		
	2695 MANI	2	0723.6	0724.5	1.8	8.0	2.0		
	1415 MANI	2	0723.6	0724.6	1.8	2.7	.9		
	950 GORK	1	0723.8	0724.5	2.6	5.0	2.0		
	650 GORK	41	0723.8	0724.5	4.9	35.0			
	650 GORK		0723.8	0729.9		4.7			
	606 MANI	4	0723.6	0724.6	2.4	65.0	10.4		
	510 POTS	45	0723.8	0724.3	1.2	500.0	110.0		
	260 ONDR	45	0723.5	0724.5	7	235.00			
	234 POTS	45	0723.8	0724.5	1.4	100.0	10.0		
	113 POTS	41	0723.8	0728.2	5.8	400.0	10.0		
	100 GORK	41	0723.2	0724	6.8	200.0			
	100 GORK		0723.2	0727.3		200.00			
	29 UPIC	45	0723.5	0724.5	6.5				
	3750 TYKW	5	0724	0724.3	2	5.0	2.0		
	2000 TYKW	5	0724	0724.6	3	5.0	2.0		
	1000 TYKW	5	0724	0724.3	1.5	5.0	1.0		
	550 KIEV	6	0724		1.6	137.00			
	536 ONDR	45	0724	0725	6	265.0			
	500 HIRA	45	0724	0724.8	1.5	610.0	260.0		
	9500 RERL	21	0758	0923.5	137	28.0			
	9240 ARCE	28	0758		32.6				
	9100 GORK	47	0758	0836.5	183.5	3890.0	112.0		
	8800 ATHN	1	0758	0800.2	5.2	9.1	2.7		
	3100 CRIM	28	0802	0836	93	415.0	138.0		
	8800 ATHN	3	0805.3	0809.6	10.7	16.3	4.9		
	3000 RERL	21	0805	0923	149	19.0			
	650 GORK	23	0806.5F	0829.2	109	10.0			
	8800 MANI	4	0807.7	0808	2.8	11.0	3.7		

SOLAR RADIO EMISSION
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JULY 1974

JUL 1974	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		
3	4995 MANI	4	0807.8	0808.1	2.6	10.7	2.9		
	4995 ATHN	3	0807.2	0808.2	9.3	10.3	3.0		
	3000 BERL	3	0807	0807.8	3	21.0			
	2695 MANI	4	0807.8	0808.1	1.3	14.0	5.0		
	2695 ATHN	3	0807.8	0808.2	1	12.6	3.8		
	1470 BERL	21	0807.5	0914.5	143	3.8			
	1470 BERL	3	0807.5	0807.6	.8	10.0			
	1415 MANI	4	0807.8	0808.1	.7	13.5	4.5		
	1415 ATHN	1	0807.8	0808.2	.8	8.5	2.6		
	950 GORK	3	0807.8	0808.2	.8	25.0	10.0		
	930 BORD	45	0807	0808	2	26.0	3.0		
	808 ONDR	45	0807.5	0808	1.5	120.0			
	650 GORK	3	0807.7	0808	.7	48.0	24.0		
	606 MANI	41	0807	0808	12.8	61.0	10.9		
	536 ONDR	45	0807.5	0808	3	95.0			
	510 POTS	45	0807.5U	0808 U	1 U	28.0	5.0		
	113 POTS	45	0807.8	0807.8	1	770.0	80.0		
	100 HIRA	45	0807.9	0808.1	1	900.0	300.0		
	100 GORK	6	0807.6	0808 U	1.5	200.0D			
	29 UPIC	45	0807.5	0808.5	2.5				
	9500 BERL	4	0808.8	0809.2	3.2	24.0			
	9300 IRKU	1	0808	0809.4	4	21.0			
	8800 ATHN	28	0816.5	0828.5	12	12.7	3.8		
	207 IZMI	6	0817	0817.3	1	200.0	70.0		
	4995 ATHN	28	0818.5	0828.7	10.2	6.2	1.9		
	29 UPIC	45	0820		23				
	260 ONDR	45	0823.5		40	235.0D			
	200 GORK	48	0823	0834.2	15.1	20000.0			
	224 POTS	45	0824 U	0833 U	187	175000.0D	65.0D		
	113 POTS	45	0824 U	0832.5	192	140000.0	240.0		
	9500 BERL	4	0825	0836 U	58	3600.0			
	1000 KIFL	45	0825	0936	37	5000.0	150.0		
	800 KIFL	45	0825	0933	36	4900.0	90.0		
	510 POTS	45	0825 U	0834 U	89	7000.0	35.0		
	240 KIEL	45	0825	0832	38	61000.0	900.0		
	228 HARS	45	0825	0834	20	1000.0	300.0		
	9300 IRKU	3	0826	0833	46	278.0D			
	1470 BERL	46	0826.2	0836.4	46	680.0			
	950 GORK	46	0826.3	0832	31	420.0D			
	950 GORK		0826.3	0832.5		1000.0D			
	950 GORK		0826.3	0835.3		4800.0			
	950 GORK		0826.3	0841.3		155.0			
	930 BORD	45	0826	0835	37	3650.0D	175.0		
	606 MANI	47	0826.2	0836.2	35.3	1840.0	162.0		
	600 KIEL	45	0826	0936	36	4500.0	100.0		
	500 HIRA	45	0826	0834.6	25	2200.0	350.0		
	808 ONDR	45	0827		28	680.0D			
	650 GORK	4	0827	0827.5	1.9	112.0			
	550 KIEV	48	0827.2	0848.1	35	342.0			
	536 ONDR	45	0827	0834.5	35	460.0			
	315 DWIN	45	0827.3	0833	35	750.0D			
	100 GORK	49	0827.1	0833.5	217	20000.0			
	8800 ATHN	47	0828.5	0836.5	14.5	3162.0U	1033.0U		
	4995 MANI	47	0828.3	0836.5	43.5	3100.0	415.0		
	4995 ATHN	47	0828.7	0836.7	15.8	378.0U	138.0U		
	3000 BERL	4	0828	0836	42	1100.0			
	2695 MANI	47	0828.3	0836.3	39.5	810.0	174.0		
	2695 ATHN	47	0828.7	0836.6	14.5	775.0U	232.5U		
	1420 KIEL	45	0828	0835	34	1900.0	50.0		
	1415 MANI	47	0828.3	0835.9	39.3	830.0	171.0		
	1415 ATHN	47	0828.7	0836.6	14.4	697.0U	209.1U		
	400 KIFL	45	0828	0834	35	19000.0	100.0		
	100 HIRA	45	0828		12	1000.0D	800.0D		
	8800 MANI	47	0829.8	0836.3	42.1	3900.0	430.0		
	650 GORK	46	0829.2	0831.6	22.2	157.0D			
	650 GORK		0829.2	0833.2		625.0			
	650 GORK		0829.2	0836.1		1900.0			
	207 IZMI	49	0829	0834	34	14800.0	3000.0		
	207 IZMI	48	0829	0834	15	14800.0	3000.0		
	9240 ARCE	47	0830.6		14.4				
	3700 SLOU		0831.5	U	44				
	221 ABST	49	0831.8	0835.5	9.5	59.0	20.0		
	650 GORK	46	0838.7	0939	3.3	19.0			
	650 GORK		0838.7	0940.8		37.0			
	100 GORK	24	0839	0913.7		103.0			
	207 IZMI	24	0841	0859.5	19	2400.0	300.0		
	8800 ATHN	30	0843	0843	78.8	105.0	31.5		
	2695 ATHN	30	0843.2	0843.2	76	32.6	9.8		
	1415 ATHN	30	0843.1	0843.1	78.3	12.7	3.8		
	4995 ATHN	30	0844.5	0844.5	80.9	43.3	13.0		
	9240 ARCE	30	0845		96				
	200 GORK	3	0853	0859.5	10	2000.0			
	200 GORK		0853	0900.3		2000.0			
	650 GORK	4	0859.8	0900.3	1.5	16.5			
	536 ONDR	45	0918.5	0929	11.5	65.0			
	650 GORK	41	0921.8	0922.7	4.9	4.7			
	650 GORK		0921.8	0925.9		19.0			
	950 GORK	40	0924.4	0925.6	8.6	11.0			
	1470 BERL	46	0925	0927.5	5	10.0			
	930 BORD	40	0925	0926.5	5	19.0	3.0		

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JULY 1974

JUL 1974	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		
3	207 IZMI	41	0925	0928	10	300.0			
	3100 CRIM	3	0935	0945	28	69.00			
	200 GORK	41	0937.2	0937.6	7.3	150.0			
	200 GORK		0937.2	0941.4		450.0			
	1470 RERL	46	0938	0951.5	18	32.0			
	950 GORK	46	0938.7	0941	16.2	109.0			
	950 GORK		0938.7	0946.5		146.0			
	950 GORK		0938.7	0951.8		115.0			
	930 RORD	45	0938	0946	18	74.0	16.0		
	808 ONDR	45	0938.5	0952	18	180.0			
	207 IZMI	41	0938	0944.4	11.5	600.0			
	536 ONDR	45	0939		17.5	105.0			
	4995 ATHN	4	0940.7	0946.7	13.6	46.4	13.9		
	3000 BERL	46	0940	0946.3	18	103.0			
	2695 ATHN	4	0940.7	0946.7	13.6	67.8	20.3		
	1415 ATHN	4	0940.6	0946.8	13.6	19.1	5.7		
	9500 BERL	3	0943.5	0946.3	17	42.0			
	9240 ARCE	20	0944	0947	19				
	8800 ATHN	4	0944.3	0946.8	10.4	34.4	10.3		
	100 GORK	6	0944.2	0944.3	.4	600.0			
	650 GORK	4	0951.2	0952.2	4.2	186.0			
	9100 GORK	20	1044.5		75.50				
	2695 PENT	20	1045	1100	70	3.6	1.8		
	650 GORK	41	1047.7	1048.3	6.2	4.7			
	650 GORK		1047.7	1052.9		7.8			
	536 ONDR	45	1047	1105	17	90.0			
	650 GORK	22	1054	1100.5	15	33.0			
	2695 SGMR	2	1148.5	1148.7	.8	3.0	.9		
	1470 RERL	1	1148.5	1148.8	.5	4.8	1.7		
	1415 SGMR	2	1148.7	1149	.6	3.8	1.2		
	7000 SAOP	20	1150.8		12.9	5.9			
	7000 SAOP	20	1212.4		22.1	14.3			
	9500 RERL	20	1217	1256.8	80	9.8			
	3000 BERL	40	1218	1246	63	15.0	5.1		
	3100 CRIM	1	1219	1221	21	3.0	1.0		
	2800 OTTA	20	1219	1221	15	2.4	1.2		
	8800 ATHN	1	1220	1222.2	6.3	5.1	1.5		
	4995 ATHN	1	1220	1221	4.7	6.6	2.0		
	2695 ATHN	1	1220	1221.2	4.4	5.4	1.6		
	650 GORK	41	1226.8	1234	15.2	11.7			
	650 GORK		1226.8	1240.7		7.0			
	1470 BERL	40	1230	1246.5	50	22.0	4.5		
	536 ONDR	45	1230		30	470.00			
	7000 SAOP	22	1234 F		40	11.4			
	510 POTS	45	1237 U	1247 U	26	2300.0	40.0		
	410 SGMR	49	1237.8	1252.6	19.2	3940.0	1182.0		
	930 RORD	45	1238	1247.2	18	196.0	16.0		
	2695 SGMR	23	1239	1255.3	45.8	6.3	1.9		
	1415 SGMR	23	1239.2	1241.7	33.2	5.0	1.5		
	1415 ATHN	40	1239.9	1247.3	17.6	24.8	7.4		
	950 GORK	3	1239.1	1239.6	1.1	19.0	7.0		
	606 SGMR	47	1239	1246.7	18.1	305.0	261.0		
	606 SGMR	47		1247.6		870.0			
	550 KIEV	48	1239	1247.5U	18	374.00			
	3100 CRIM		1240						
	2695 ATHN	40	1241.7	1247.3	28.2	5.4	1.6		
	960 PENN	45	1241	1247.4	18 D	80.00			
	950 GORK		1241.7	1244.8		115.0			
	950 GORK		1241.7	1247.4		293.0			
	2800 OTTA	21	1242	1255	73	6.6	3.3		
	2700 PENN	45	1242.8	1246.4	15.2	12.6	1.0		
	1415 SGMR	46	1242.8	1246.5	5.5	26.9	8.4		
	1415 SGMR	46		1247.3		27.8			
	808 ONDR	45	1242.5	1247.5	13.5	280.0			
	650 GORK	46	1242	1246.5	14.5	157.0			
	650 GORK		1242	1247.5		496.0			
	113 POTS	41	1242 U	1247 U	10	200.0	4.0		
	4995 SGMR	20	1243.5	1253.9	26.5	3.2	1.6		
	1420 ROUL	45	1243 F	1246.5U	5 U	22.0U	5.0U		
	245 SGMR	6	1243.6	1246.5	14.6	66.2	19.9		
	8800 SGMR	20	1244.8	1256.8	22	4.6	2.3		
	2800 OTTA	40	1244	1246.5	11	15.0			
	2695 SGMR	46	1246.2	1246.3	1.4	15.6	4.7		
	2695 SGMR	46		1247.4		15.0			
	234 POTS	41	1246 U	1251.5U	12	120.0	3.0		
	2695 ROUL	45	1247	1248.5	2	15.0	6.0		
	315 DWIN	45	1249	1251.8	7	700.0	130.0		
	260 ONDR	45	1251	1252.5	7.5	160.0			
	950 GORK	40	1252.7	1255.1	3.3	12.0			
	2695 ROUL	45	1256	1258	2.5	6.0	2.0		
	2695 ROUL	3	1302.5	1304	3.5	5.0	2.0		
	1470 BERL	22	1405	1425.8	55 D	3.5			
	3000 BERL	22	1407	1453.3	53 D	9.5			
	9500 RERL	20	1408	1457.3	52 D	13.0			
	2800 OTTA	21	1410	1521	175	9.4	4.7		
	9240 ARCE	22	1413	1515.9	166				
	1415 ATHN	1	1423.7	1476.3	5.5	4.6	1.4		
	8800 ATHN	1	1425.6	1426.3	2.3	3.4	1.0		
	4995 SGMR	1	1425.7	1426	1.6	1.4	.3		
	4995 ATHN	1	1425.8	1426.3	2.8	3.3	1.0		

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JUL 1974	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		
3	2800 OTTA	1	1425.5	1426	1	2.6	1.3	3	
	2695 SGMR	1	1425.6	1426	.9	1.5	.3		
	2695 ATHN	1	1425.7	1426.3	2.2	1.8	.4		
	1415 SGMR	1	1425.9	1426.1	.5	1.2	.4		
	606 SGMR	2	1425.6	1426.1	.8	3.7	.7		
	7000 SAOP	23	1456.6	1516.3	38.3	28.7			
	7000 SAOP	22	1456.6	1456.6	38.3	7.1			
	18 MCMA	41	1456	1517	59				
	930 RORD	45	1507	1507.2	1	11.0	2.0		
	1415 ATHN	23	1511.2	1518.2	17.5	17.4	5.2		
	636 SGMR	46	1511.7	1516.1	14	18.9	15.4		
	606 SGMR	46		1518.8		51.2			
	4995 BOUL	45	1512.5	1515.5	9.5	40.0	10.0		
	2800 OTTA	46	1512	1515.5	9	65.0	16.2		
	2695 SGMR	46	1512.2	1514.3	8.6	51.0	23.6		
	2695 SGMR	46		1515.5		78.6			
	2695 ATHN	46	1512.3	1515.7	17.5	73.4	22.0		
	1415 SGMR	46	1512.1	1515.5	25.2	10.6	10.2		
	1415 SGMR	46		1525.1		34.1			
	29 UPIC	45	1512	1514	11				
	15400 SGMR	46	1513.1	1514	17.4	14.3	5.2		
	15400 SGMR	46		1515.5		17.4			
	8800 SGMR	46	1513.5	1514.4	11.8	13.4	4.5		
	8800 SGMR	46		1515.6		15.1			
	8800 ATHN	45	1513.6	1515.5	13.6	17.0	3.4		
	4995 SGMR	46	1513.3	1514.2	13.8	17.3	8.2		
	4995 SGMR	46		1515.6		27.4			
	4995 ATHN	46	1513.6	1515.7	16.6	26.4	7.9		
	2695 BOUL	45	1513	1517.5	9	49.0	17.0		
	1420 BOUL	40	1513.5	1522	21	20.0	5.0		
	1420 BOUL	40	1513.5	1523	21	20.0	5.0		
	960 PENN	45	1513.4	1518.1	13.8	28.0	2.4		
	930 RORD	40	1513	1518	8	39.0	7.0		
	410 SGMR	6	1513	1520.5	12.5	25.6	7.7		
	7000 SAOP	45	1514.2	1516.3	3.2	21.4	1.0		
	2695 SGMR	29	1520.8	1520.8	47.9	4.2	1.3		
	1415 ATHN	40	1521.9	1523.2	1.8	28.5	5.7		
	18 MCMA	41	1601	1614	21				
	7000 SAOP	32	1700		21.6	7.1			
	2800 OTTA	20	1720	1730	30	2.4	1.2		
	2695 BOUL	45	1734.5	1738	7	44.0	15.0		
	8800 SGMR	22	1804.2	1825.2	74	15.6	9.3		
	2695 SGMR	22	1804.7	1825.2	73.4	15.9	9.5		
	4995 SGMR	22	1805.7	1825	80.8	18.0	10.8		
	2800 OTTA	21	1805	1848	90	4.6	2.3		
	410 SGMR	41	1809.8	1841	36.2	90.2	18.0		
	2800 OTTA	1	1810	1813	6	5.0	2.5		
	1415 PALE	41	1810.5	1826.2	32.8	8.7	2.4		
	606 SGMR	41	1810.2	1823.4	44	217.0	43.3		
	8800 PALE	22	1811	1825.1	42.4	15.2	4.3		
	4995 BOUL	3	1811	1813.5	3.5	7.0	3.0		
	1420 BOUL	3	1811	1812.5	2.5	2.0	1.0		
	1415 SGMR	41	1811.3	1826.2	32.9	11.7	2.3		
	18 MCMA	42	1811	1824	34				
	18 BOUL	42	1811	1823	13				
	7000 SAOP	23	1812.2	1826.1	64.4	19.1			
	2695 BOUL	3	1812	1813.5	3.5	6.0	2.0		
	4995 BOUL	45	1822.5	1825	5	12.0	4.0		
	1420 BOUL	45	1822.5	1826.5	6	6.0	2.0		
	7000 SAOP	20	1823.2	1826.1	5.9	10.7			
	2800 OTTA	45	1823	1825	10	12.6	3.2		
	2695 BOUL	45	1823.5	1826	7	13.0	3.0		
	18 BOUL	42	1832	1839	9				
	2800 OTTA	40	1836	1841	17	7.6			
	1420 BOUL	45	1837.5	1839	4.5	7.0	2.0		
	2695 BOUL	8	1840.5	1842	3.5	9.0	4.0		
	4995 BOUL	3	1940	1941.5	2.5	9.0	3.0		
	2800 OTTA	21	2015	2050	90	4.8	2.4		
	8800 PALE	22	2021.1	2027.8	11.3	21.0	10.1		
	1415 PALE	2	2026.1	2027.3	3.6	1.5	.5		
	8800 PALE	41	2028.9	2030.3	16.8	150.0	29.0		
	18 BOUL	41	2036	2041	9				
	18 MCMA	48	2037	2042	8				
	2800 OTTA	2	2039.5	2040	2	9.8	4.8		
	2695 BOUL	8	2041	2041.5	2	9.0	3.0		
4	9400 TYKW	5	0007	0110	90	18.0	7.0	1 3	
	3750 TYKW	5	0007	0016.6	40	6.0	2.0		
	8800 PALE	22	0015.8	0020.1	10.2	9.3	5.6		
	1000 TYKW	45	0018	0019.8	6	3.0	1.0		
	606 MANI	40	0018.9	0019.7	5.2	160.0	18.5		
	2695 PENT	8	0019.1	0019.1		5.8			
	2000 TYKW	45	0019	0019.2	2	4.0	1.0		
	1415 MANI	2	0019.1	0019.2	1.9	4.7	.9		
	1415 PALE	1	0019	0019.5	1.3	2.3	.7		
	500 HIRA	45	0019.4	0019.7	5	790.0	170.0		
	2930 VORO	40	0050	0108	30	10.0			
	2695 PFNT	21	0052	0105	38	6.2	3.1		
	8800 PALE	40	0053.3	0056.6	36.7	43.7	13.1		
	3750 TYKW	45	0055	0056.8	45	14.0	4.0		

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JUL 1974	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		
4	9400 TYKW	5	0056	0056.9	4	33.0	8.0		RFI
	9300 IRKU	1	0056	0056.8	3	42.0			
	8800 MANI	4	0056.2	0056.9	19.8	41.6	5.4		
	4995 BOUL	45	0056	0056.5	19.5	35.0	7.0		
	4995 MANI	4	0056.7	0056.9	19.8	26.4	3.3		
	2695 MANI	4	0056.2U	0056.9U	17.1U	31.7U	2.9U		
	2695 PENT	40	0056	0057	16	29.0			
	2695 BOUL	40	0056.5	0058	17.5	29.0	6.0		
	2000 TYKW	45	0056	0111	44	31.0	2.0		
	1420 BOUL	40	0056	0106.5	34	9.0	2.0		
	1415 MANI	41	0056.2	0107.3	36.8	14.1	.9		
	1415 PALE	40	0056.2	0106.2	32.8	11.6	3.5		
	606 MANI	41	0056.7	0130.4	36.8	21.2	1.1		
	100 HIRA	45	0056	0056.8	2.5	600.0	100.0		
	1000 TYKW	5	0108.5	0108.8	.5	14.0	4.0		
	9400 TYKW	5	0152	0155	10	4.0	2.0		
	9400 TYKW	5	0240	0310	170	20.0	6.0		
	3750 TYKW	5	0240	0315	170	9.0	4.0		
	2000 TYKW	5	0240	0320	170	3.0	1.0		
	1000 TYKW	5	0300	0320	50	2.0	1.0		
	200 GORK	44	0300 E		600 D		15.0		
	100 GORK	44	0300 F		600 D		10.0		
	260 ONDR	44	0622	0632.5	21.5	80.0			
	221 ABST	44	0700	0823.5	240	7.0			
	260 ONDR	44	0720	1053.5	393	45.0			
	536 ONDR	41	0800	0958	353	70.0			
	606 SGMR	44	0915 E	1928.7	904 D	82.8			
	410 SGMR	44	0915 F	2220	904 D	59.2			
	245 SGMR	44	0915 E	1120	904 D	100.0			
	200 HIRA	44	1940 F	2110	830 D	80.0	30.0		
	2000 TYKW	40	0404	0406.3	6	3.0	0.5		
	207 IZMI	49	0608.3	0647.5	72.5	7300.0			
	207 IZMI	24	0608.3	0643.5	38.2	600.0	110.0		
	9400 TYKW	28	0610	0612.2	30	17.0	6.0		
	1000 TYKW	5	0610	0612.7	7	2.0	1.0		
	8800 MANI	3	0611.5	0612.2	3.5	15.0	3.7		
	8800 ATHN	2	0611.7	0612.7	2.3	13.4	4.0		
	4995 MANI	1	0611.5	0612.3	3.5	4.5	1.1		
	4995 ATHN	1	0611.7	0612.6	4	2.0	.6		
	3750 TYKW	5	0611	0612	4	2.0	1.0		
	2695 MANI	1	0611.5	0612.2	3.5	1.9	1.0		
	2695 ATHN	1	0611.4	0612.6	2	3.6	1.1		
	2000 TYKW	5	0611	0612.2	4	3.0	1.0		
	1415 MANI	1	0611.5	0612.7	3.5	1.4	.5		
	1415 ATHN	1	0611.7	0612.7	1.5	.9	.3		
	650 GORK	41	0611.5	0612.5	7.8	63.0			
	650 GORK		0611.5	0616.2		9.0			
	606 MANI	40	0611.5	0611.9	7.6	81.0	7.5		
	29 UPIC	45	0611.5	0617	4.5				
	100 GORK	41	0615.8	0616.2	51.3	400.0			
	100 GORK		0615.8	0628.3		400.0			
	100 GORK		0615.8	0635.5		400.0			
	100 GORK		0615.8	0643.7		4000.0			
	100 GORK		0615.8	0647.9		70000.0			
	650 GORK	23	0621.8	0742	151.7	47.0	10.5		
	113 POTS	45	0624 U	0635 U	76	14000.0	100.0		
	808 ONDR	45	0625	0626	3	110.0			
	29 UPIC	45	0631.5	0632.5	5				
	606 MANI	47	0635.1	0647.3	30.1U	9500.0	370.0U		
	6100 KISV	47	0639		39	239.0D			
	9500 BERL	4	0640 U	0647.9	185	4100.0	1140.0		
	9400 TYKW	47	0640	0648.2	20	5750.0	500.0		
	9100 GORK	47	0640	0648	78.5	5000.0			
	8800 ATHN	47	0640.8	0648.2	14.1	3115.0	935.0		
	3000 BERL	4	0640 U	0647.8	180	1900.0	350.0		
	1470 BERL	4	0640 U	0648.6	165	975.0	250.0		
	800 KIEL	45	0640	0648	15	5000.0	100.0		
	9300 IRKU	3	0641	0648.1	19	5040.0			
	4995 ATHN	47	0641.3	0648.2	13.6	661.0U	198.0U		
	3750 TYKW	47	0641	0648.3	19	1800.0	225.0		
	3100 CRIM	47	0641	0648	192	532.0	177.0		
	2695 MANI	47	0641.1	0648.3	22.2U	840.0	260.0U		
	2695 ATHN	47	0641.1	0648.7	13.6	1750.0	583.0		
	2000 TYKW	47	0641	0648.1	19	1060.0	135.0		
	1420 KIEL	45	0641	0648	14	6500.0	80.0		
	1415 MANI	47	0641.1	0648	21.6U	2550.0	112.0U		
	1415 ATHN	47	0641.7	0648.5	13.6	2356.0	707.0		
	1000 TYKW	45	0641	0647.6	24	625.0	70.0		
	950 GORK	23	0641	0654	110	10.0			
	600 KIEL	45	0641	0646	14	14000.0	70.0		
	234 POTS	45	0641 U	0647 U	55	12000.0	150.0		
	8800 MANI	47	0642.9	0648.3	19.8U	2600.0	550.0U		
	4995 MANI	47	0642.9	0648.4	19.8U	1440.0	435.0U		
	1000 KIEL	45	0642	0648	13	15000.0	100.0		
	808 ONDR	45	0642.5	0648	13.5	670.0			
	510 POTS	45	0642 U	0647 U	24	14000.0	140.0		
	400 KIEL	45	0642	0645	36	6100.0	50.0		
	240 KIEL	45	0642	0648	43	25000.0	230.0		
	29 UPIC	45	0642		9				
	950 GORK	46	0643.3	0644.3	12	250.0			

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JUL 1974	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		
4	950 GORK		0643.3	0647.2		1240.0			
	950 GORK		0643.3	0647.8		680.0			
	650 GORK	46	0643.2	0644.2	11.7	275.0			
	650 GORK		0643.2	0647.8		2760.0			
	536 ONDR	45	0643	0651.5	36	375.0			
	500 HIRA	45	0643		23		140.0		
	500 HIRA		0643	0647.7		4800.0			
	500 HIRA		0643	0651.5		2100.0			
	260 ONDR	45	0643		37	235.00			
	228 HARS	45	0643	0647	15	600.0	250.0		
	200 HIRA	45	0643.2		12	350.00	250.00		
	200 GORK	41	0643.1	0644	8.6	200.00			
	200 GORK		0643.1	0648		2500.00			
	200 GORK		0643.1	0651.6		6000.0			
	3700 SLOU	47	0646 U	0648 U	7	1960.00			
	207 IZMI	48	0647	0647.5	2.3	7300.0	2000.0		
	100 HIRA	45	0648	0650 U	3.5	1000.00	700.00		
	207 IZMI	48	0650.8	0651	1.2	800.0	400.0		
	207 IZMI	24	0652		31		80.0		
	8800 ATHN	29	0654.9	0654.9	44.9	85.2	25.6		
	4995 ATHN	29	0654.9	0654.9	47.4	9.8U	2.9U		
	2695 ATHN	29	0654.7	0654.7	47.4	40.0	12.0		
	1415 ATHN	29	0655.3	0655.3	40	17.8	5.3		
	550 KIEV	24	0656 E	0740 U	57	13.0			
	9400 TYKW	29	0700		55	36.0	15.0		
	3750 TYKW	29	0700		55	12.0	4.0		
	2000 TYKW	29	0700		55	12.0	4.0		
	1000 TYKW	29	0705		40	3.0	1.0		
	29 UPIC	45	0712	0722	60				
	536 ONDR	45	0718	0740	42	75.0			
	808 ONDR	45	0720	0743.5	71	130.0			
	606 MANI	22	0720.3	0739.7	44.9	42.6	15.6		
	930 BORD	41	0726	0729.5	44	84.0	4.0		
	9500 BERL	3	0756	0756.2	3.5	22.0			
	9400 TYKW	5	0756	0756.4	3	13.0	4.0		
	8800 ATHN	1	0756	0756.5	3.5	10.0	3.0		
	1415 ATHN	1	0758.9	0759.8	1.3	1.8	.5		
	6100 KISV	3	0759	0759.4	2	3.0			
	4995 ATHN	1	0759.3	0759.7	1.2	2.0	.6		
	3750 TYKW	45	0759.5	0759.6	1.5	5.0	1.0		
	3000 BERL	4	0759.2	0759.8	1.3	9.7			
	2695 ATHN	1	0759.3	0759.7	.9	3.6	1.1		
	2000 TYKW	45	0759.5	0759.9	1.5	5.0	2.0		
	1470 BERL	2	0759	0759.8	1.8	3.6			
	8800 ATHN	2	0803.5	0806.5	8.2	36.7	11.0		
	6100 KISV	41	0803.1	0806.3	11	23.0			
	4995 ATHN	2	0803.6	0806.4	8.5	22.5	6.8		
	3750 TYKW	45	0803.5	0806.6	10	13.0	4.0		
	3000 BERL	40	0803	0806.5	14	13.0			
	9400 TYKW	45	0804	0806.6	8	27.0	7.0		
	9100 GORK	21	0804	0808	81.5	6.7	3.3		
	9500 BERL	3	0805	0806.4	3	35.0			
	9300 IRKU	1	0806	0806.6	3	45.0			
	9100 GORK	3	0806	0806.5	2	27.0	13.0		
	2000 TYKW	5	0806	0806.5	1	4.0	1.0		
	100 GORK	6	0834.5	0836.9	3.6	30.0			
	3100 CRIM	45	0904	0905	10	3.0	1.0		
	3100 CRIM		0904	0907		5.0	2.0		
	221 ARST	48	0921.5	0922.2	1.2	19.0	7.0		
	3100 CRIM	24	1000	1131		7.0			
	9100 GORK	22	1002	1109.5	118.0	17.0			
	650 GORK	2	1006.3	1007.5	2.2	5.2	2.6		
	29 UPIC	45	1007	1008.5	2				
	29 UPIC	45	1021	1021.5	1				
	15400 SGMR	4	1103.9	1115.2	14.6	47.4	14.2		
	9500 BERL	40	1103.5	1109.2	18	12.0	5.6		
	8800 SGMR	4	1103.9	1104.2	9.2	12.6	3.8		
	6100 KISV	47	1103.2	1104.4	14	117.0			
	4995 SGMR	4	1103.9	1104.3	8.6	15.8	4.8		
	3000 BERL	40	1103.5	1104.4	24	15.0	2.9		
	2695 SGMR	4	1103.8	1104.5	10.7	17.4	5.2		
	2695 ATHN	4	1103.9	1104.6	17.9	17.9	5.4		
	1470 BERL	4	1103.8	1104.4	6.7	12.0	3.6		
	1415 SGMR	4	1103.9	1104.4	2.2	11.7	3.6		
	1415 ATHN	2	1103.7	1104.5	2.8	8.1	2.1		
	808 ONDR	45	1103.5	1104.5	2	90.0			
	650 GORK	4	1103	1104.5	2.4	20.0			
	606 SGMR	2	1103	1104.4	2.5	9.0	3.6		
	410 SGMR	6	1103.8	1104.3	4.4	18.0	5.4		
	8800 ATHN	4	1104	1104.5	17.2	13.6	4.1		
	4995 ATHN	4	1104	1104.5	24.3	15.3	4.6		
	3100 CRIM	3	1104	1105	12	10.0	3.0		
	2800 OTTA	4	1104	1104.5	1.5	18.0	9.0		
	950 GORK	3	1104	1104.5	1.6	10.6	3.0		
	29 UPIC	45	1104	1105.5	3.6				
	930 BORD	45	1105	1105.5	2	15.0	3.0		
	3700 SLOU	8	1112 U	1112 U	.7	900.0			
	35000 SGMR	47	1114.7	1115.2	1.5	848.0	254.4		
	10700 PENN	1	1114.9	1115.1	.8	6.5	2.2		
	1900 SLOU	3	1115	1115.3	1	248.0			

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JUL 1974	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		
4	7000 SAOP	22	1133 E		84	23.5			
	100 GORK	6	1157.2	1158	3.2	35.0			
	9400 HUAN	20	1159.8	1201.1	12	11.8	1.7		
	650 GORK	22	1207.3	1218	13.1	2.2	1.0		
	2800 OTTA	41	1217.5	1218	2	24.0			
	2800 OTTA	8	1217.5	1217.5		20.0			
	2800 OTTA	8	1218	1218		24.0			
	29 UPIC	45	1218	1219	4				
	2800 OTTA	8	1219	1219		16.0			
	650 GORK	22	1233.9	1243.4	19	5.7	2.0		
	7000 SAOP	28	1309		41.6	30.6			
	10500 BERN	45	1314	1354.3	90	4180.0			
	15400 SGMR	28	1315	1351.6	36.6	6.5	3.3		
	4995 BOUL	3	1316	1317.5	2.5	15.0	5.0		
	4995 SGMR	28	1316.8	1345.6	35	14.8	7.4		
	9240 ARCE	28	1317.4		34.7				
	8800 SGMR	28	1317.1	1351.7	34.6	37.8	18.9		
	2695 SGMR	28	1319.1	1352.6	33.5	2.7	1.4		
	4995 BOUL	3	1325	1326.5	3.5	7.0	2.0		
	29 UPIC	45	1335	1336	2				
	8800 ATHN	28	1339.9	1351.5	11.6	32.3	19.4		
	9500 BERL	46	1340	1353.8	92	3270.0	700.0		
	4995 ATHN	28	1340.7	1351.9	9.2	9.1	5.5		
	3000 BERL	46	1340	1353.9	108	2100.0	150.0		
	113 POTS	45	1342 U	1353 U	270 D	200000.0			
	29 UPIC	45	1342.5		77.5				
	10700 PENN	47	1343.8	1354.2	47	2745.0	400.0		
	1470 BERL	46	1344	1420.3	112	2000.0	500.0		
	2800 OTTA	24	1345	1349	4	3.6	1.8		
	9400 HUAN	28	1348.7	1351.7	3.5	26.3	14.6		
	4995 BOUL	47	1349.5	1355	103	1617.0	192.0		
	2800 OTTA	24	1349		720 D	3.6			
	35000 SGMR	47	1351.6	1354	23.4	7081.0	2832.0		
	35000 SGMR	47		1356.7		3946.0			
	15400 SGMR	47	1351.6	1354.1	26.4	4124.0	1650.0		
	15400 SGMR	47		1356.7		3846.0			
	9400 HUAN	47	1351.7	1352.8	16	333.8	569.9		
	9400 HUAN		1351.7	1353.2		1583.4			
	9400 HUAN		1351.7	1354.7		1971.0			
	9400 HUAN		1351.7	1356.8		1938.2			
	8800 SGMR	47	1351.7	1354.3	28.3	4886.0	1954.0		
	8800 SGMR	47		1406		986.0			
	8800 ATHN	47	1351.5	1354.3	40.5	4950.0	1485.0		
	7000 SAOP	45	1351.5	1354.4	69.6	3326.0	231.6		
	4995 SGMR	47	1351.8	1354.3	34.3	3329.0	1332.0		
	4995 SGMR	47		1405.9		714.0			
	4995 ATHN	47	1351.9	1354.5	41.1	8600.0	2580.0		
	1900 SLOU	47	1351		21	3600.0D			
	9240 ARCE	46	1352.1	1354	16.1				
	9240 ARCE		1352.1	1354	4.2				
	9240 ARCE		1356.3	1356.7	4.3				
	9240 ARCE		1400.6	1401.5	3.8				
	9240 ARCE		1404.4	1406.2	3.8				
	2800 OTTA	47	1352.5	1354	67.5	1370.0	514.0		
	2695 SGMR	47	1352.1	1354.3	63.4	1686.0	674.0		
	2695 SGMR	47		1414.7		846.0			
	2695 ATHN	47	1352.6	1354.5	40.4	1710.0	513.0		
	1420 KIEL	45	1352	1422	66	800000.0	5000.0		
	1415 SGMR	47	1352.5	1414.8	59	57190.01	7150.0		
	1415 ATHN	47	1352.7	1420.5	53.9	51000.01	5300.0		
	1415 ATHN	47	1352.7	1420.5	53.9	51000.0	5300.0		
	1000 KIEL	45	1352	1423	128	260000.0	2500.0		
	960 PFNN	47	1352.8		150 D	560.0D			
	400 KIEL	45	1352	1352	181	18000.0	100.0		
	315 DWIN	45	1352.2	1356	135 D	800.0D			
	240 KIEL	45	1352	1353	128	39000.0	250.0		
	234 POTS	45	1352 U	1408 U	260 D	105000.0			
	7100 SLOU	47	1353	1354	3 U	8436.0			
	3700 SLOU	47	1353 U		10 U	2000.0D			
	2695 BOUL	47	1353	1355.5	119	847.0	122.0		
	1420 BOUL	47	1353	1420.5	130.5	3585.0	518.0		
	930 BORD	45	1353		124	3650.0D			
	808 ONDR	45	1353		177.5	680.0D			
	800 KIEL	45	1353	1419	177	250000.0	3000.0		
	606 SGMR	47	1353	1415.3	52.3	38950.01	5580.0		
	606 SGMR	47		1425.6		37330.0			
	600 KIEL	45	1353	1414	177	49000.0	700.0		
	550 KIEV	49	1353	1415.5	190	18800.0			
	536 ONDR	45	1353		190	470.0D			
	510 POTS	45	1353 U	1415 U	259 D	7000.0			
	410 SGMR	49	1353	1413.6	184.8	18000.0	5400.0		
	260 ONDR	45	1353		175	235.0D			
	245 SGMR	49	1353	1408.5	149.6	8170.0	3268.0		
	228 HARS	45	1353	1408	30	1600.0	750.0		
	18 MCMA	41	1353	1443	67				
	9400 HUAN	29	1407.7	1407.7	45.7	282.5	86.0		
	9240 ARCE	29	1408.2		63				
	15400 SGMR	29	1418	1418	72	104.0	41.6		
	8800 SGMR	29	1420	1420	48.6	100.8	40.3		
	4995 SGMR	29	1426.1	1426.1	84.9	108.4	43.3		

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JUL 1974	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	10700 PENN	29	1430.8	1430.8	75.6	75.5	37.8	1	AT SUNSET
	8800 ATHN	29	1432	1432.	60.8	81.6	24.5		
	4995 ATHN	29	1433	1433	61.3	88.9	26.7		
	2695 ATHN	29	1433	1433	61.5	234.5	70.4		
	606 SGMR	29	1445.3	1445.3	132.4	1190.0	384.0		
	1415 ATHN	29	1446.6	1446.6	47.2	57.5	17.3		
	1415 SGMR	29	1451.5	1451.5	42	46.5	18.6		
	2695 SGMR	29	1456	1456	56.1	26.4	10.6		
	2800 OTTA	30	1500	1500	50	15.0	6.0		
	2800 OTTA	1	1520	1522	9	2.4	1.2		
	7000 SAOP	20	1521.5		3.4	2.2			
	7000 SAOP	31	1524.3		3.9	3.3			
	9240 ARCE	22	1531	1734.3	165				
	7000 SAOP	32	1540.1		26.2	5.7			
	9400 HUAN	23	1602.3	1702.3	100.3	31.5	16.0		
	9500 BERL	21	1605	1729.5	125 D	35.0			
	1470 BERL	21	1607	1726	123 D	4.6			
	10700 PENN	40	1609.5		29.3				
	3000 BERL	21	1615	1729	115 D	19.0			
	7000 SAOP	23	1617.5	1734.5	115.4	42.5			
	7000 SAOP	22	1617.5		115.4	21.8			
	2800 OTTA	23	1619	1730	230	14.0	4.6		
	9500 BERL	3	1620	1620.2	1	21.0			
	3000 BERL	3	1620	1620.3	.7	7.5			
	2800 OTTA	8	1620	1620.2	.5	4.0	2.0		
	9500 BERL	4	1627.5	1628	3	23.0			
	1470 BERL	1	1635	1635.4	.6	5.0			
	1415 SGMR	41	1635.4	1758	87.6	218.0	65.4		
	4996 SGMR	22	1636.7	1734	73.3	63.4	31.7		
	2695 SGMR	23	1637.8	1733.8	85.2	46.8	23.4		
	10700 PENN	20	1640.5	1727.3	332	32.5	12.5		
	18 MCMA	41	1640	1646	8				
	8800 SGMR	22	1641.5	1733.9	65.7	43.7	21.8		
	1470 BERL	46	1641	1644	6	4.6			
	15400 SGMR	22	1642	1733.7	62.2	11.0	5.5		
	10500 BERN	4	1642.2	1644.4	4	25.0			
	9500 BERL	4	1642	1644.5	5.5	44.00			
	9400 HUAN	20	1642.4	1644.9	6.2	30.2	11.7		
	8800 ATHN	4	1642.2	1645.1	13	37.2	11.2		
	7000 SAOP	4	1642.5	1644.4	5.1	19.1	9.6		
	4995 ATHN	4	1642	1645.1	13.2	19.2	5.8		
	10700 PENN	3	1643.4	1645	8.6	18.6	3.7		
	3000 BERL	4	1643	1644.5	4	8.30			
	2695 SGMR	41	1643.6	1722.1	74.8	176.4	52.9		
	2695 PENT	45	1643.5	1645	3.5	6.4	2.1		
	2695 ATHN	2	1643.7	1645.3	3.3	4.8	1.4		
	960 PENN	45	1643.6	1646.6	3.8	53.7	3.0		
	8800 PALE	40	1644.5	1734.8	79.1	36.7	11.0		
	960 PFNN	40	1652.6		21.2				
	1415 PALE	46	1657.5	1720.6	65.7	70.0	33.4		
	1415 PALE	46		1757.8		167.0			
	1470 BERL	46	1702	1711.8	11	40.0			
	1420 BOUL	45	1702.5	1706.5	11.5	42.0	7.0		
	1420 KIEL	45	1702	1707	12	150.0	30.0		
	2800 OTTA	40	1703	1712.1	11	36.0			
	2695 BOUL	45	1703	1713	15.5	31.0	9.0		
	3000 BERL	3	1706	1706.8	1.5	31.0			
	18 BOUL	41	1706	1754	53				
	245 SGMR	6	1707.5	1729.7	36.5	137.0	41.1		
	18 MCMA	42	1707	1723	58				
	240 KIEL	45	1708	1832	112	750.0	30.0		
	3000 BERL	3	1711.5	1711.8	.5	21.0			
	410 SGMR	7	1714.4	1735	27.6	264.0	79.2		
	4995 BOUL	3	1716.5	1720	7.5	20.0	7.0		
	1470 BERL	4	1716	1720.9	9.5	59.0			
	400 KIEL	45	1716	1722	9	240.0	40.0		
	10700 PENN	3	1717.8	1719	6	14.3	6.4		
	9500 BERL	4	1717	1719.7	5.5	44.0			
	3000 BERL	46	1717	1726	7	49.0			
	2695 BOUL	45	1717.5	1718	7	87.0	10.0		
	1420 BOUL	45	1717.5	1720.5	6	42.0	12.0		
	800 KIEL	45	1717	1722	8	700.0	80.0		
	9400 HUAN	20	1718	1719.8	5.1	17.1	7.0		
	7000 SAOP	4	1718.3	1720.3	4.6	9.6	4.8		
	2800 OTTA	4	1718	1720	6	32.0	16.0		
	1420 KIEL	45	1718	1722	6	120.0	50.0		
	1000 KIEL	45	1718	1722	5	250.0	50.0		
	960 PENN	45	1718.2	1722.1	6	138.0	16.6		
	606 SGMR	47	1718.2	1731.9	19.4	3310.0	1038.0		
	606 SGMR	47		1733.6		3460.0			
	600 KIEL	45	1718	1722	7	500.0	100.0		
	1420 KIEL	45	1726	1731	10	200.0	50.0		
	960 PFNN	45	1726.6	1733.6	8.9	140.00	31.3		
	1000 KIEL	45	1727	1732	9	550.0	60.0		
	800 KIEL	45	1727	1731	10	14000.0	300.0		
	2695 BOUL	3	1728	1735	12	13.0	5.0		
	1470 BERL	46	1728	1730.4	7	39.0			
	1420 BOUL	45	1728	1730	8	37.0	6.0		
	400 KIEL	45	1728	1735	11	400.0	50.0		
	4995 BOUL	4	1730.5	1733.5	4.5	50.0	15.0		

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JUL 1974	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	NEAN		
4	600 KIEL	45	1730	1734	8	7000.0	200.0		
	7000 SAOP	4	1731.9	1734.5	6.2	25.3	12.6		
	3000 BERL	4	1731	1733.8	5	57.0			
	2800 OTTA	4	1731.5	1734	5.5	33.0	13.0		
	10700 PENN	3	1732.6	1734.2	4.4	14.3	6.5		
	9500 BERL	4	1732.5	1733.6	2.8	47.0			
	9400 HUAN	20	1732	1733.8	4	21.0	8.7		
	1420 BOUL	45	1751.5	1757.5	9	57.0	12.0		
	3000 BERL	3	1752	1752.2	.7	26.00			
	2800 OTTA	41	1752	1755	8	51.0			
	2695 BOUL	45	1752.5	1757	12.5	28.0	10.0		
	1470 BERL	4	1752	1752.2	1	13.00			
	1420 KIEL	45	1752	1759	8	260.0	60.0		
	960 PENN	41	1752	1755.1	6.8	67.8			
	3000 BERL	4	1753.5	1754.6	2.5	32.00			
	1470 BERL	4	1753.5	1755	2.7	48.00			
	3000 BERL	4	1757	1757.5	2	24.00			
	1470 BERL	4	1757	1758	3	120.00			
	7000 SAOP	45	1812.8	1848.8	66.9	316.7	50.5		
	1415 PALE	47	1815.2	1824.2	52.6	620.0	550.0		
	1415 PALE	47		1848		1800.0			
	18 MCMA	42	1815	1823	75			2	
	18 BOUL	41	1816	1917	87			2	
	15400 SGMR	46	1817.7	1821.1	19.7	494.0	197.6		
	15400 SGMR	46		1826.6		167.7			
	10700 PENN	45	1817.6	1821.3	15.2	234.0	81.1		
	8800 SGMR	46	1817.8	1821.2	24.2	430.0	129.0		
	8800 SGMR	46		1826.7		167.6			
	4995 SGMR	46	1817.9	1821.1	25.1	182.5	73.0		
	4995 SGMR	46		1826.7		104.8			
	9400 HUAN	3	1818.3	1821.2	16.5	362.7	68.0		
	8800 PALE	46	1818.3	1821.2	49.5	300.0	100.0		
	8800 PALE	46		1847.3		270.0			
	4995 BOUL	45	1818.5	1847.5	60.5	244.0	91.0		
	1900 SLOU	45	1818	1820.9	11	608.0			
	2800 OTTA	47	1819.2	1823.1	16.8	706.0	120.0		
	2695 SGMR	47	1819.3	1821.3	20.7	517.0	173.0		
	2695 SGMR	47		1824.3		577.0			
	1420 BOUL	45	1819.5	1834	16	177.0	41.0		
	1415 SGMR	46	1819.5	1824.3	15.7	367.0	110.0		
	1415 SGMR	46		1833.5		347.0			
	606 SGMR	47	1819.5	1831	17	1560.0	468.0		
	606 SGMR	47		1833.3		580.0			
	606 SGMR	47		1849.3		1560.0			
	600 KIEL	45	1819	1832	21	2000.0	180.0		
	2695 BOUL	45	1820	1825.5	63.5	407.0	78.0		
	1420 KIEL	45	1820	1834	16	1400.0	150.0		
	1000 KIEL	45	1820	1824	15	1200.0	100.0		
	960 PENN	45	1820.5	1824.2	14.3	140.00	27.6		
	800 KIEL	45	1820	1826	17	800.0	150.0		
	410 SGMR	7	1820	1831.3	15.5	344.0	103.0		
	245 SGMR	6	1820	1825	12.5	210.6	63.0		
	3700 SLOU	45	1821	1821.7	3 U	320.0			
	400 KIEL	45	1821	1832	19	350.0	50.0		
	29 UPIC	45	1822	1822.5	1.5				
	10700 PENN	29	1832.8	1832.8	50.2	51.0	25.5		
	2800 OTTA	30	1836	1836	45	12.4	6.2		
	800 KIEL	45	1843	1848	12	45000.0	900.0		
	606 SGMR	47	1843.3	1847.3	15.9	14800.0	4440.0		4 SWF SCNA
	600 KIFL	45	1843	1848	12	15000.0	100.0		
	410 SGMR	49	1843.3	1847.8	14.7	1624.0	487.0		4 SWF SCNA
	400 KIEL	45	1843	1848	16	1800.0	40.0		
	960 PENN	45	1844.4		12.2	145.00			
	10700 PENN	3	1845.8	1847.3	10.6	193.0	42.9		
	8800 SGMR	3	1845.8	1847.2	21.5	350.0	105.0		
	4995 SGMR	4	1845.8	1847.2	16.2	319.0	95.7		
	2695 SGMR	46	1845.6	1848.2	15.6	267.0	80.1		
	2695 SGMR	46		1850.3		174.3			
	1420 BOUL	45	1845	1848.5	20	471.0	116.0		
	1415 SGMR	47	1845.7	1848.3	14.7	1727.0	518.0		
	245 SGMR	7	1845	1847.8	9.6	340.2	102.0		
	240 KIEL	45	1845	1848	7				
	228 HARS	45	1845	1850	7	450.0	140.0		
	15400 SGMR	3	1846	1847.3	22	164.5	49.3		
	2800 OTTA	46	1846	1848.2	16	220.0	44.0		
	1420 KIEL	45	1846	1848	9	2400.0	80.0		
	1000 KIEL	45	1846	1848	7	17000.0	400.0		
	2695 BOUL	45	1949.5	1950.5	7	5.0	2.0		
	2695 SGMR	1	2003.4	2003.7	.8	6.0	2.4		
	1420 BOUL	8	2003.5	2004	1.5	10.0	4.0		
	1415 SGMR	45	2003.3	2004	3.5	16.1	4.8		
	1415 SGMR	45		2004.8		8.8			
	1415 PALE	4	2003.5	2003.8	3	13.5	4.2		
	606 SGMR	47	2003.3	2004	1.7	640.0	192.0		
	410 SGMR	6	2003	2003.8	2.1	39.2	7.8		
	2800 OTTA	21	2030	2136	165	10.4	5.2		
	9400 HUAN	28	2039.3	2051.8	13.5	46.0	10.4		
	960 PENN	45	2039.8		36.8	300.00			
	410 SGMR	49	2044.2	2110.2	84	1274.0	468.0		
	10700 PENN	47	2045.7	2059	38.9	1058.0	237.0		

SOLAR RADIO EMISSION
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JULY 1974

JUL 1974	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	4995 BOUL	45	2045.5	2059.5	50.5	362.0	115.0	2		
	606 SGMR	47	2045.5	2104.6	31.8	20550.0	8220.0			
	2695 BOUL	45	2046	2059.5	43.5	176.0	48.0			
	1415 SGMR	47	2046.1	2059.3	29.4	4077.0	1223.0			
	500 HIRA	45	2046	2105.3	35	2800.0	470.0			
	1420 BOUL	47	2047.5	2059.5	33.5	865.0	88.0			
	8800 SGMR	47	2048.6	2058.8	27.4	1470.0	441.0			
	8800 PALE	47	2048.5	2058.8	57.5	1400.0	420.0			
	8800 PALE	47		2109.8		600.0				
	2800 OTTA	4	2048	2058	38	350.0	60.0			
	1415 PALE	47	2048.3	2058.8	77.7	3000.0	900.0			
	18 BOUL	41	2048	2102	29					
	15400 SGMR	47	2049.2	2058.8	26.8	1408.0	563.0			
	4995 SGMR	47	2049	2058.8	27	619.0	186.0			
	2695 SGMR	46	2049.5	2054.5	26.5	151.0	104.0			
	9400 HUAN	46	2052.8	2054.3	23.2	335.1	166.0			
	9400 HUAN		2052.8	2058.8		427.1				
	9400 HUAN		2052.8	2100.9		394.2				
	9400 HUAN		2052.8	2110		335.1				
	35000 SGMR	47	2053.5	2058.5	7.6	1149.0	460.0			
	245 SGMR	7	2054.2	2109.8	71.5	265.0	79.5			
	100 HIRA	45	2054.5	2103.2	17	1000.00	100.00			
	1415 SGMR	30	2115.5	2115.5	183.50	7.3	2.9			
	15400 SGMR	29	2116	2116	144 U	78.0	31.2			
	9400 HUAN	29	2116	2116	23.7	78.8	42.3			
	8800 SGMR	30	2116	2116	159 U	63.0	25.2			
	4995 SGMR	30	2116	2116	159 U	36.0	14.4			
	2695 SGMR	30	2116	2116	159 U	15.0	7.5			
	606 SGMR	30	2117.3	2117.3	16.7	3.0	1.5			
	8800 SGMR	46	2118.8	2119.1	2.2	4.6	2.7			
	8800 SGMR	46		2119.8		6.7				
	4995 SGMR	46	2118.6	2119	2.4	3.6	1.9			
	4995 SGMR	46		2119.7		4.7				
	2695 SGMR	46	2118.2	2118.9	2.9	17.1	6.8			
	2695 SGMR	46		2058		347.0				
	2695 SGMR	46		2119.9		16.5				
	1415 SGMR	41	2118.9	2152	61.5	70.8	21.2			
	606 SGMR	41	2118.7	2126	12.9	141.0	35.3			
	10700 PENN	29	2124.6	2124.6	33.4	50.4	25.2			
	960 PENN	41	2125		56	140.00				
	1420 BOUL	45	2133.5	2137	7	8.0	2.0			
	2000 TYKW	5	2136	2138	5	3.0	1.0			
	1000 TYKW	45	2136	2137.5	5	13.0	2.0			
	606 SGMR	47	2136.1	2137.6	3.9	3060.0	918.0			
	606 SGMR	47		2151.6		4960.0				
	2695 BOUL	3	2137	2138.5	4.5	3.0	1.0			
	500 HIRA	45	2137	2137.4	3	3100.0	290.0			
	4995 BOUL	3	2147.5	2152	5	14.0	5.0			
	9400 TYKW	5	2148	2152	10	12.0	4.0			
	1420 BOUL	45	2148	2152.5	6	39.0	9.0			
	2000 TYKW	45	2149	2152.5	5	11.0	3.0			
	1415 MANI	40	2149.20	2152.90	4.80	72.00	15.70			SUNRISE
	1000 TYKW	45	2149	2151.3	5	31.0	8.0			
	606 MANI	40	2149.20	2152.20	32.30	270.00	6.5			SUNRISE
	606 SGMR	47	2149.5	2150.6	7.3	2260.0	1488.0			
	3750 TYKW	5	2150 U	2152.4	4	7.00	2.00			SUNRISE
	2800 OTTA	46	2150	2152	5	7.4	1.9			
	2695 BOUL	45	2150	2153	8.5	11.0	4.0			
	500 HIRA	45	2150	2152.4	3.2	720.0	210.0			
	1000 TYKW	45	2155	2156.6	2	3.0	1.0			
	2000 TYKW	5	2156	2156.8	2	2.0	0.5			
	2000 TYKW	5	2200.4	2200.7	.7	2.0	0.6			
	1420 BOUL	3	2200	2200.5	1	2.0	1.0			
	3750 TYKW	5	2202.6	2202.8	.4	3.0	1.0			
	2800 OTTA	2	2202.8	2203	1	2.4	1.2			
	2000 TYKW	5	2202.6	2202.9	.6	26.0	7.0			
	2695 BOUL	8	2203.5	2206	3	57.0	20.0			
	3750 TYKW	5	2217	2218.6	4	4.0	1.0			
	2000 TYKW	45	2218	2218.7	2	3.0	1.0			
	1420 BOUL	45	2218	2300	2	4.0	1.0			
1415 PALE	4	2218.5	2220	6	3.6	1.1				
8800 PALE	3	2220.2	2224.6	28.3	41.1	12.0				
8800 MANI	4	2223.5	2224.5	4.8	31.0	3.6				
4995 BOUL	8	2223	2224.5	3.5	27.0	10.0				
4995 MANI	4	2223.5	2224.5	4.8	24.8	3.7				
2930 VORO	3	2223	2224	2.2	38.0					
2800 OTTA	4	2223.5	2224.5	3	74.0	10.0				
2695 MANI	4	2223.5	2224.4	4.8	85.0	8.8				
9400 TYKW	5	2224	2224.4	2	28.00	9.00	RAIN			
3750 TYKW	5	2224	2224.4	2	32.0	7.0				
2000 TYKW	5	2224	2224.5	1	43.0	10.0				
9400 TYKW	45	2305	2316	50	16.00	7.00	RAIN			
3750 TYKW	45	2305	2340.5	70	8.0	2.0				
2695 PENT	21	2338	2341	30	2.6	1.3				
8800 PALE	1	2339.8	2340.5	5.2	6.5	2.0				
4995 BOUL	8	2339	2340	1.5	13.0	4.0				
4995 MANI	1	2339.8	2340.4	2.1	6.2	1.2				
2695 MANI	1	2339.8	2340.5	2.3	4.4	.9				
1420 BOUL	8	2339.5		1.5	10.0	3.0				
1415 MANI	4	2339.7	2340.5	1.2	10.8	1.3				

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JUL 1974	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		
5	606 MANI	40	2339.2U	2340.5U	2.7U	230.0U	21.6U		RFI
	2695 PENT	1	2340	2340.5	1	5.2	2.6		
	2695 BOUL	8	2340	2341	2	7.0	2.0		
	2000 TYKW	5	2340	2340.4	2	12.0	4.0		
	1415 PALE	4	2340	2340.5	1.8	10.7	4.0		
	1000 TYKW	5	2340	2340.4	2	13.0	2.0		
	2000 TYKW	29	2342		30	2.0	1.0		
	2695 PENT	8	2346.5	2346.5		4.0			
	2000 TYKW	45	0020	0044.3	90	19.0	1.0		
	3750 TYKW	5	0030	0100	78	8.0	3.0		
	2695 PFNT	21	0030	0100	60	4.6	2.3		
	9400 TYKW	5	0035	0100	70	16.0U	5.0U		RAIN
	8800 PALE	22	0040.8	0103.2	44.2	18.8	11.2		
	1415 PALE	45	0040.8	0044.2	6	110.0	42.0		
	1415 PALE	45		0045.6		68.0			
	1420 BOUL	45	0043	0044	3	44.0	15.0		
	1415 MANI	40	0043	0044.2	6.7	94.0	8.1		
	1000 TYKW	45	0043	0044.3	2	48.0	10.0		
	606 MANI	40	0043.3U	0044.2	6.7U	245.0U	20.5U		RFI
	2695 MANI	1	0044	0044.2	1	7.0	.9		
	2695 PENT	8	0044.1	0044.1		13.4			
	1000 TYKW	45	0045.5	0046.1	2	53.0	10.0		
	1415 MANI	40	0058	0100.3	5.5	7.2	1.8		
	2695 BOUL	3	0059	0102	5.5	4.0	1.0		
	1000 TYKW	45	0059.5	0100.2	3	23.0	2.0		
	606 MANI	40	0059 U	0100.4	4.5U	135.0U	16.2U		CALIBRATING
	1415 PALE	40	0100	0102.3	3	5.3	1.6		
	2800 OTTA	8	0140.2	0140.2		5.8			
	606 MANI	41	0150.1	0152.9	17.9	103.0	16.2		
	8800 PALE	22	0151.5	0153.3	13.8	22.4	13.4		
	3750 TYKW	5	0151		25	10.0D	3.0D		
	9400 TYKW	5	0152		25	17.0D	4.0D		
	2000 TYKW	45	0152	0153.6	5	20.0	2.0		
	1415 PALE	46	0152.6	0153.6	15.9	78.0	23.4		
	1415 PALE	46		0154.3		53.0			
	1000 TYKW	45	0152	0153	6	19.0	2.0		
	1415 MANI	41	0153.4U	0153.5	11.6U	141.0U	13.5U		CALIBRATING
	9400 TYKW	5	0225	0225.9	2	36.0	12.0		
	9300 IRKU	3	0225	0225.9	30	47.0			
	8800 PALE	4	0225.3	0225.8	6.5	33.3	9.9		
	3750 TYKW	5	0225	0226	2	23.0	4.0		
	2930 VORO	1	0226	0226.5	2	10.0			
	9400 TYKW	29	0227		20	6.0	3.0		
	200 GORK	44	0300 F		600 D		8.0		
	100 GORK	44	0300 E		600 D		8.0		
	260 ONDR	44		0610	620	235.0D			
	221 ABST	44	0700	0711.2	60	5.0			
	245 SGMR	44	0916 F	1411.2	903 D	43.2			
	9400 TYKW	45	0310	0339	100	7.0	2.0		
	3750 TYKW	45	0310	0428	120	5.0	1.0		
	2000 TYKW	45	0315	0430	120	3.0	1.0		
	2000 TYKW	5	0315.4	0315.5	.2	4.0	2.0		
	1415 PALE	4	0315.5	0315.5	7.7	25.2	7.6		
	1000 TYKW	45	0315	0315.3	5	5.0	1.0		
	950 GORK	46	0315.5	0315.5	1.2	57.0			
	950 GORK		0315.5	0316.2		50.0			
	650 GORK	1	0316	0316.1	.5	3.6	1.8		
	950 GORK	4	0319	0319.6	1	61.0	25.0		
	200 GORK	6	0346.8	0347.3	.9	170.0	80.0		
	1415 PALE	4	0404	0404.3	.8	37.3	11.2		
	100 GORK	41	0529.3	0530	18.7	40.0			
	100 GORK		0529.3	0546.2		40.0			
	100 HIRA	41	0608.5	0709.2	73	1000.0			
	3750 TYKW	45	0635	0701.1	70	22.0	5.0		
	2000 TYKW	5	0645	0710	60 U	3.0U	1.0U		SUNSET
	113 POTS	45	0645.8	0646.6	.9	200.0	15.0		
	4995 MANI	4	0647.3	0701.1	23.8	86.0	17.3		
	8800 MANI	4	0652.8	0701.1	19.9	77.0	18.7		
	6100 KISV	47	0652.4	0700.4	22	85.0			
	9500 BERL	23	0658	0700.7	57	34.0	5.7		
	4995 ATHN	3	0658.1	0700.8	9.2	57.6	17.3		
	2695 MANI	2	0658.1	0707.6	15.7	3.8	1.9		
	1470 BERL	20	0659	0704	51	1.9			
	9400 TYKW	5	0700	0701	2	37.0	11.0		
	9300 IRKU	3	0700	0701	3.5	47.0			
	9240 ARCE	3	0700.7	0701.1	3.7				
	9100 GORK	3	0700	0701	2.2	42.0	21.0		
	8800 ATHN	3	0700.3	0700.8	6.8	47.9	14.4		
	3000 BERL	22	0700	0704	50	6.1			
	9400 TYKW	29	0702		20	4.0	2.0		
	9100 GORK	29	0702.2	0706	42.3	6.8	4.4		
	8800 MANI	8	0707.2	0707.4	.6	2700.0	405.0		
	113 POTS	45	0736.9	0736.9	.1	280.0	70.0		
	9240 ARCE	20	0814.1	0835	41				
	29 UPIC	45	0824	0824.5	1				
	9500 BERL	22	0825	0834.5	.0	14.0			
	3000 BERL	22	0825	0858.2	88	8.4			
	9100 GORK	21	0832.5	0916.7	87.5	8.6	4.3		
	9300 IRKU	1	0834	0834.6	3	17.5			

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JUL 1974	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		
5	9100 GORK	1	0834.5	0835	1.2	8.6	4.3		
	4995 ATHN	22	0855.6	0858.4	14.4	6.1	3.7		
	2695 ATHN	22	0855.6	0858.5	13.6	3.8	2.3		
	8800 ATHN	22	0856.7	0858.4	12.3	11.6	7.0		
	3100 CRIM	1	0856	0859	17	5.0	2.0		
	9100 GORK	1	0857.5	0858.5	2.5	7.3	3.6		
	606 MANI	2	0857.5	0858.5	2.5	7.8	1.6		
	9300 IRKU	1	0858	0858.5	1	8.0			
	9740 ARCE	1	0858.1	0859	3				
	1470 BERL	3	0858	0858.5	1	25.0	5.9		
	1415 MANI	8	0858.5	0858.7	.7	49.5	4.5		
	1415 ATHN	8	0858.3	0858.5	.7	44.5	8.9		
	950 GORK	3	0858.5	0858.8		84.00			
	930 BORD	45	0859	0859.8	1	186.0	3.0		
	808 ONDR	45	0859	0859	1	270.0			
	650 GORK	1	0859.6	0859.7	.2	4.6	2.3		
	3100 CRIM	24	0920	1040		5.0			
	1470 BERL	3	0923	0923.6	1	45.0	7.9		
	950 GORK	3	0923.6	0923.8	.6	15.0	7.0		
	930 BORD	45	0924	0924.6	1	24.0	2.0		
	1470 BERL	1	0949	0949.3	.5	4.7	1.2		
	29 UPIC	45	0958	0959	1.5				
	1470 BERL	1	0959.5	0959.7	.6	3.2	0.8		
	930 BORD	41	0959	1000.8	2	16.0	2.0		
	9240 ARCE	24	1024.9		43				
	3100 CRIM	45	1035	1038	19	4.0	2.0		
	3100 CRIM		1035	1041		5.0			
	3000 BERL	46	1037	1041	6	5.4	1.5		
	1470 BERL	2	1037.5	1038.2	1	3.5	0.8		
	113 POTS	41	1038.1	1041	2.6	500.0	25.0		
	29 UPIC	45	1038	1038.5	5				
	100 GORK	41	1040	1041	2.5	40.0			
	100 GORK		1040	1042.1		350.0			
	100 GORK	6	1101.1	1101.4	1.5	40.00			
	100 GORK	41	1108.4	1108.7	1.4	40.00			
	100 GORK		1108.4	1109.5		100.0			
	29 UPIC	45	1108	1109.5	4				
	100 GORK	6	1118.8	1119.2	.9	40.00			
	3000 BERL	22	1120	1134.5	25	3.9			
	100 GORK	6	1138.9	1139.7	1.4	300.0			
	113 POTS	45	1139.1	1139.5	.6	200.0	10.0		
	29 UPIC	45	1139	1140	2				
	7000 SAOP	32	1151.9		5.7	6.9			
	10700 PENN	3	1153.1	1203.8	14.2	180.0	20.7		
	9400 HUAN	1	1155.9	1156.3	1.1	21.5	6.2		
	9100 GORK	21	1155.5	1229	43.50	12.3			
	2800 OTTA	21	1155	1209	27	5.0	2.5		
	15400 SGMR	3	1156.1	1156.2	1	52.5	10.5		
	10700 PENN	3	1156	1156.2	1.6	25.6	6.4		
	10500 BERN	3	1156.2	1156.6	12	28.0			
	10500 BERN			1204.2		195.0			
	9500 BERL	4	1156	1156.2	5	20.0	5.7		
	9240 ARCE	28	1156.3	1156.6	7.3				
	8800 SGMR	3	1156.1	1156.5	.9	12.3	2.5		
	8800 ATHN	1	1156.2	1156.4	1.5	15.3	5.0		
	29 UPIC	45	1158.5		8.5				
	9500 BERL	3	1202.2	1202.5	15	174.0	43.0		
	3000 BERL	3	1202.5	1203.5	16	220.0	47.0		
	315 DWIN	45	1202.6	1202.8	1.8	400.0	80.0		
	15400 SGMR	4	1203.2	1203.8	8.7	90.0	18.0		
	9400 HUAN	3	1203.2	1203.8	2.5	204.3	91.6		
	9240 ARCE	3	1203.6	1204	5.1				
	9100 GORK	3	1203	1203.5	4.5	192.0	96.0		
	8800 SGMR	3	1203.1	1203.8	9	244.0	48.8		
	8800 ATHN	3	1203.4	1203.8	5.9	253.8	76.8		
	7000 SAOP	8	1203.6	1205.2	3.9	459.6	36.9		
	4995 SGMR	3	1203	1203.9	9.5	277.0	55.4		
	4995 ATHN	3	1203.4	1204.1	5.9	246.1	73.8		
	3100 CRIM	3	1203	1204	7	117.0	39.0		
	2800 OTTA	3	1203	1204	6	142.0	36.0		
	2695 SGMR	3	1203.2	1203.8	6.3	146.0	29.2		
	2695 ATHN	3	1203.3	1203.8	4	141.9	42.9		
	1470 BERL	4	1203	1204.1	12	162.0	47.0		
	1415 SGMR	4	1203.5	1203.6	8	181.0	36.0		
	1415 ATHN	4	1203.3	1203.6	2.2	174.6	52.4		
	960 PENN	45	1203.2		2.1	150.0			
	808 ONDR	45	1203	1204	3	330.0			
	606 SGMR	4	1203.3	1203.7	5.2	155.0	31.0		
	536 ONDR	45	1203.5	1203.5	2.5	90.0			
	510 POTS	45	1203 U	1203.5U	2 U	35.0	7.0		
	410 SGMR	6	1203.4	1203.5	3.2	153.0	30.6		
	260 ONDR	45	1203	1203	2	125.0			
	245 SGMR	6	1203.2	1203.5	3.4	188.0	37.6		
	234 POTS	45	1203.4	1203.5	.5	120.0	4.0		
	207 IZMI	41	1203.3		1	600.0			
	113 POTS	45	1203.3	1204.1	2.6	1700.0	70.0		
	18 MCMA	6	1203	1205	3				
	950 GORK		1204 E	1204.1U	1.3U			2	
	930 BORD	45	1204	1205.2	3	3500.0	30.0		
	9400 HUAN	29	1205.7	1205.7	7.1	26.9	9.1		

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JUL 1974	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		
5	100 GORK	6	1205.5E	1206.4	1.1	350.0			
	10700 PFNN	29	1207.3	1207.3	35.4	12.8	6.4		
	9240 ARCE	29	1208.7		72				
	7000 SAOP	22	1220.9		66	20.7			
	10700 PFNN	3	1226.5	1229.6	12	12.8	6.4		
	9500 BERL	22	1226.5	1234	49	9.7			
	8800 SGMR	22	1227.4	1233.8	18.1	11.1	6.7		
	4995 SGMR	22	1227	1228.9	18.8	7.2	4.3		
	3000 BERL	22	1227.5	1229.3	36	3.9			
	1415 SGMR	41	1227.3	1229.4	4.4	9.9	3.0		
	100 GORK	41	1227.8	1228.7	15.5	550.0			
	100 GORK		1227.8	1234.1		550.0			
	100 GORK		1227.8	1236		550.0D			
	2695 SGMR	1	1228	1229.5	1.9	2.1	.8		
	1470 BERL	46	1228	1229.1	2	8.3	1.9		
	606 SGMR	1	1228	1228.7	2	2.5	1.0		
	113 POTS	41	1228.6	1235.6	10	1700.0	6.0		
	29 UPIC	45	1228	1229.5	15				
	15400 SGMR	4	1229.8	1231	7.4	12.8	7.7		
	200 GORK	6	1239.5	1240.1	2.1	30.0	15.0		
	29 UPIC	45	1249.5	1249.5	2.5				
	7000 SAOP	4	1321.9	1323.2	24.6	24.9	12.4		
	4995 BOUL	45	1321.5	1323	8.5	20.0	5.0		
	4995 SGMR	4	1322.7	1323.4	6.8	14.4	4.3		
	8800 SGMR	3	1323	1323.4	5.9	11.1	3.3		
	7000 SAOP	29	1324.3		5.3	10.9			
	10700 PFNN	1	1333.3	1334.1	3.7	6.5	1.0		
	10700 PFNN	1	1351.8	1354.8	6.4	6.5	3.3		
	2695 BOUL	8	1404	1405	2	4.0	1.0		
	9400 HUAN	20	1409.4	1422.8	21.9	8.1	3.7		
	8800 ATHN	1	1415.7	1415.8	.5	8.4	3.4		
	4995 ATHN	1	1415.6	1415.7	.8	2.1	.8		
	10700 PFNN	20	1448.2	1451.9	12.2	4.4	1.0		
	8800 ATHN	47	1506.4	1510.5	9.7	1553.0	448.0		
	7100 SLOU	46	1506.8	1509	3.2	962.0			
	1900 SLOU	47	1506	1510.2	10	2376.0			
	35000 SGMR	47	1507	1507.6	10.5	1550.0	740.0		
	35000 SGMR	47		1509.7		2467.0			
	15400 SGMR	47	1507	1510.2	12.1	2042.0	613.0		
	15400 SGMR	47		1514.2		1010.0			
	10700 PFNN	47	1507	1510.4	13.4	1510.0	329.0		
	10500 BERN	45	1507	1510.6	40	1690.0			
	10500 BERN			1514.5		980.0			
	9400 HUAN	45	1507	1508.5	8	217.7	142.0		
	9400 HUAN		1507	1509.5		350.8			
	9400 HUAN		1507	1513.5		353.5			
	9240 ARCE	46	1507.4	1510.1	11.1				
	9240 ARCE		1507.4	1510.1	6.2				
	9240 ARCE		1513.6	1514.2	4.9				
	8800 SGMR	47	1507.1	1510.2	12.3	2270.0	681.0		
	8800 SGMR	47		1514.1		1370.0			
	7000 SAOP	45	1507.3	1506.6	9	1282.8	356.5		
	4995 BOUL	47	1507.5	1511	69.5	688.0	240.0		
	4995 SGMR	47	1507.5	1510.7	13.6	900.0	343.0		
	4995 SGMR	47		1514.2		475.0			
	4995 ATHN	47	1507.4	1511.2	9.3	782.0	167.0		
	3700 SLOU	47	1508	1510	8	1660.0			
	2695 SGMR	46	1508.4	1510.6	13.1	378.0	121.0		
	2695 SGMR	46		1514.2		403.0			
	2695 BOUL	45	1508.5	1516	11.5	273.0	82.0		
	2800 OTTA	45	1509	1514	13	470.0	123.0		
	2800 OTTA		1509	1510.8	4	432.0			
	2800 OTTA		1513	1514	9	470.0			
	2695 ATHN	46	1509.4	1511.2	9.3	423.0	80.3		
	1420 BOUL	45	1509	1515	24	241.0	58.0		
	1415 SGMR	47	1509.7	1511	16.1	173.0	143.0		
	1415 SGMR	47		1514.1		510.0			
	1415 ATHN	46	1509.7	1514.3	10.3	301.0	55.7		
	960 PFNN	45	1509.9	1513.6	20.2	157.0	39.4		
	606 SGMR	46	1509.7	1510.2	15.5	325.0	98.0		
	606 SGMR	46		1515.2		125.0			
	550 KIEV	41	1509.9	1510.5	15	166.0			
	410 SGMR	6	1509.7	1510.6	35.3	149.0	45.0		
	260 ONDR	45	1509.5		10.5	235.0D			
	245 SGMR	49	1509.6	1510.4	37.9	852.0	256.0		
	240 KIEL	45	1509	1511	18	9500.0	50.0		
	228 HARS	45	1509	1510	2	330.0	90.0		
	18 BOUL	6	1509	1512	5			2	
	1420 KIEL	45	1510	1515	12	640.0	100.0		
	1000 KIEL	45	1510	1515	11	1200.0	100.0		
	930 RORD	45	1510	1515.6		400.0			
	808 ONDR	45	1510	1514.5	20	360.0			
	800 KIEL	45	1510	1513	15	2500.0	80.0		
	600 KIEL	45	1510	1511	14	740.0	40.0		
	536 ONDR	45	1510	1510	15.5	155.0			
	400 KIEL	45	1510	1513	10	850.0	30.0		
	29 UPIC	45	1510	1510	15.5				
	18 MCMA	42	1510	1515	108			3	
	9400 HUAN	30	1515	1515	108.3	94.1	45.7		
	8800 ATHN	29	1516.1	1516.1	63.3	188.0	34.8		

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JUL 1974	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		
5	7000 SAOP	29	1516.3		117.9	151.6	78.0		
	4995 ATHN	29	1516.7	1516.7	69.8	59.7	18.8		
	2240 ARCE	29	1518.5		105				
	2695 ATHN	29	1518.7	1518.7	50.2	50.2	15.1		
	15400 SGMR	29	1519.1	1519.1	85.9	87.7	35.1		
	8800 SGMR	29	1519.4	1519.4	180.6	91.4	36.6		
	10700 PFNN	29	1520.4	1520.4	61.6	100.0	50.4		
	1415 ATHN	29	1520	1520	62.2	17.7	5.1		
	4995 SGMR	29	1521.1	1521.1	184.9	58.7	23.5		
	2695 SGMR	29	1521.5	1521.5	184.5	32.1	12.8		
	2800 OTTA	29	1522	1522	230	27.0	9.0		
	1415 SGMR	30	1525.8	1525.8	186.2	12.6	5.0		
	606 SGMR	30	1525.7	1525.2	182.8	5.0	2.0		
	960 PENN	29	1530.1	1530.1	30.1	3.1	1.6		
	1415 SGMR	1	1536.9	1539	4.4	4.0	1.6		
	1420 ROUL	3	1537	1539	3.5	3.0	1.0		
	606 SGMR	2	1538.5	1539.4	4.5	3.7	1.5		
	9400 HUAN	1	1608.4	1609.4	3.4	17.5	5.0		
	10700 PENN	3	1609.1	1609.6	4.8	11.1	5.2		
	1415 PALE	4	1618.5	1634.2	80	108.0	32.4		
	8800 PALE	46	1625	1629.3	92.3	326.0	109.8		
	8800 PALE	46		1634.6		366.0			
	7000 SAOP	20	1800		12.2	9.0			
	18 MCMA	6	1803	1805	3				
	9400 HUAN	20	1821.4	1829.8	37	6.7	1.9		
	2695 ROUL	3	1857.5	1859	2.5	6.0	2.0		
	8800 PALE	22	2030	2042.2	23.3	20.1	12.1		
	2695 ROUL	47	2032	2044.5	130.5	1140.0	252.0		
	9400 HUAN	1	2041	2047.2	4.5	18.8	7.1		
	2800 OTTA	21	2050	2220	210	11.0	5.5		
	8800 PALE	47	2119.3	2138.8	114	4566.0	1370.0		
	8800 PALE	47		2141.6		2866.0			
	9400 HUAN	28	2120.4	2136.4	16	26.9	8.7		
	10700 PFNN	47	2129.6	2139	23.8	3022.0	585.0		
	8800 SGMR	47	2130.4	2138.9	34.2	4500.0	1350.0		
	8800 SGMR	47		2141.6		3170.0			
	15400 SGMR	47	2131	2138.8	35.5	2771.3	831.4		
	15400 SGMR	47		2142.6		2615.9			
	4995 ROUL	47	2131	2139.5	62	1469.0	404.0		
	4995 SGMR	47	2131.8	2138.9	32.5	2400.0	720.0		
	4995 SGMR	47		2142.2		1719.0			
	35000 SGMR	47	2132.4	2141.7	72.9	1564.0	734.0		
	35000 SGMR	47		2142.6		1836.0			
	2695 SGMR	47	2132.3	2138.9	32.1	1820.0	546.0		
	2695 SGMR	47		2142.3		1777.0			
	2000 TYKW	47	2132	2142.7	24	2100.00	280.00		
	1420 ROUL	47	2132.5	2144	41.5	895.0	128.0		
	1000 TYKW	47	2132	2141.8	20	1350.0	220.0		
	960 PENN	41	2132.3	2132.5	.8	27.4			
	2800 OTTA	47	2134	2142.5	22	2070.0	610.0		
	1415 SGMR	47	2134	2141.7	36.5	1827.0	930.0		
	1415 SGMR	47		2143		3100.0			
	9400 TYKW	47	2135	2138.8	20	3700.00	620.00		SUNRISE
	3750 TYKW	47	2135	2138.8	18	1650.0	310.0		
	1415 PALE	47	2135.5	2139.3	81.5	1400.0	935.4		
	1415 PALE	47		2143		3118.0			
	18 MCMA	6	2135	2140	6				
	9400 HUAN	47	2136.4	2136.7	14.8	337.3	399.8		
	9400 HUAN		2136.4	2139.1		799.7			
	9400 HUAN		2136.4	2146.6		1357.4			
	9400 HUAN		2136.4	2141.9		1431.4			
	9400 HUAN		2136.4	2142.7		1431.4			
	960 PFNN	45	2136.5		19.2	150.00			
	606 SGMR	47	2136.6	2141.9	27.4	8400.0	2520.0		
	606 SGMR	47		2142.3		1953.0			
	500 HIRA	45	2136.6	2142	27	4000.0	290.0		
	200 HIRA	45	2136.6		19	360.00	180.00		
	100 HIRA	45	2136.5	2141	99	1000.00	40.00		
	410 SGMR	49	2137	2142.7	46.6	4250.0	1275.0		
	245 SGMR	49	2137	2142.7	49.1	13000.0	3900.0		
	18 ROUL	6	2137	2140	6.0				
	8800 MANI	47	2140 U	2141.80	30.90	2800.00	270.00		SUNRISE
	4995 MANI	47	2140 U	2142.20	30.90	6700.00	740.00		SUNRISE
	2695 MANI	47	2140 U	2142.30	30.90	4100.00	405.00		SUNRISE
	1415 MANI	47	2140 U	2142.80	30.90	3600.00	295.00		SUNRISE
	606 MANI	47	2140 U	2142 U	27.70	3100.00	122.00		SUNRISE
	9400 HUAN	29	2151.2	2151.2	19.7	107.5	78.2		
	1000 TYKW	29	2152		150	25.0	8.0		
	10700 PFNN	29	2153.4	2153.4	48.2	100.0	50.4		
	3750 TYKW	29	2153		150	40.0	13.0		
	960 PENN	8	2153.4	2153.4	.3	51.8			
	2800 OTTA	30	2156	2156	24	12.2	6.1		
	2000 TYKW	29	2156		160	20.0	5.0		
	2800 OTTA	4	2159.5	2200.5	5	25.8	3.2		
	9400 TYKW	5	2201.5	2202.6	2.5	15.0	5.0		
	1000 TYKW	5	2201	2202	3	6.0	2.0		
	2800 OTTA	8	2225.8	2225.8		2.4			
	1420 ROUL	45	2229.5	2245	108.5	58.0	18.0		
	1415 SGMR	40	2229.2	2243.7	29.8	153.8	46.1		
	960 PENN	45	2229.4			150.00			

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JUL 1974	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		
5	606 SGMR	40	2229	2245.6	32.8	169.4	50.8		
	410 SGMR	49	2229.3	2241.5	50	1350.0	405.0		
	9400 TYKW	5	2230	2245	60	10.0	3.0		
	3750 TYKW	5	2230	2250	60	15.0	5.0		
	2800 OTTA	21	2230	2249	70	14.6	6.8		
	2695 MANI	22	2230.5	2248.5	41.9	19.6	9.8		
	2000 TYKW	45	2230	2249	45	32.0U	10.0U		
	1415 MANI	4	2230.5	2244.2	41.9	143.0	33.0		
	1415 PALE	46	2230	2243.8	53.5	210.0	63.0		
	606 MANI	4	2230.5	2245.8	43.4	199.0	54.0		
	245 SGMR	49	2232.5	2244.4	47.6	690.0	207.0		
	200 HIRA	45	2232.5		42.5	360.0D	200.0D		
	900 HIRA	45	2233	2241	43	280.0	85.0		
	1000 TYKW	5	2235	2242	45	77.0	17.0		
	2800 OTTA	8	2256.1	2256.1		21.0			
	1415 SGMR	29	2259	2259	21	46.8	18.7		
	606 SGMR	29	2301.8	2301.8	18.2	23.8	9.5		
	1420 BOUL	45	2459.5	0102.5	5	4.0	1.0		
6	9400 TYKW	5	0040	0130	100	10.0	3.0		
	3750 TYKW	5	0040	0128	100	7.0	2.0		
	2000 TYKW	5	0040	0128	100	3.0	1.0		
	8800 PALE	3	0052.8	0053	1.8	11.0	3.3		
	8800 MANI	2	0053.1	0053.7	1.1	10.8	5.4		
	4995 MANI	1	0053	0053.2	.8	3.3	1.1		
	2695 PENT	8	0141.5	0141.9	.5	16.8	8.4		
	2000 TYKW	5	0141	0141.4	1.5	4.0	1.0		
	2000 TYKW	5	0159	0159.4	1	2.0	1.0		
	3750 TYKW	45	0242	0245	9	2.0	1.0		
	9400 TYKW	5	0243.5	0245.5	3	7.0	2.0		
	2000 TYKW	45	0243	0244.9	6	5.0	1.0		
	2695 MANI	2	0244.7	0245.3	1.5	7.9	3.0		
	1415 MANI	40	0244.7	0246.1	1.5	48.0	2.4		
	606 MANI	4	0244.4	0244.9	1.5	5.5	1.5		
	9300 IRKU	1	0245	0245.6	4	14.0			
	1415 PALE	40	0245.2	0246.1	1.8	29.3	5.8		
	1000 TYKW	45	0245	0245.4	1	4.0	1.0		
	200 GORK	44	0300 E		120		5.0		
	100 GORK	44	0300 E		420 D		5.0		
	260 ONDR	44	0640		580	235.0D			
	245 SGMR	44	0917 E	1541.8	902 D	16.9			
	9400 TYKW	5	0302	0310	30	3.0	1.0		
	3750 TYKW	5	0302	0303.7	15	3.0	1.0		
	1415 MANI	4	0305.7	0306	2.3	12.9	5.8		
	1415 PALE	4	0305.8	0306	1.8	13.1	3.9		
	1000 TYKW	45	0305.7	0306.2	1	4.0	1.0		
	950 GORK	1	0405.9	0306.3	.8	3.6	1.8		
	650 GORK	41	0305.3	0305.5	3	13.0			
	650 GORK		0305.3	0306.5		54.0			
	606 MANI	40	0305.1	0305.9	2.7	48.0	12.5		
	9300 IRKU	1	0335.9	0336.2	2	14.0			
	9400 TYKW	5	0336	0336.2	2	9.0	3.0		
	9300 IRKU	1	0400	0402	1.5	8.0			
	2000 TYKW	5	0400	0401.4	4	3.0	1.0		
	1415 PALE	40	0401	0401.5	1.5	20.3	4.0		
	1415 ATHN	4	0401	0401.5	2.5	15.1	4.3		
	950 GORK	1	0405.7	0406	.8	2.3	1.0		
	1415 PALE	40	0415.5	0415.5	.3	15.8	3.2		
	1415 ATHN	1	0415	0415.4	1.2	7.6	2.2		
	200 GORK	6	0536.3	0536.4	.9	100.0	50.0		
	100 HIRA	45	0536.3	0536.5	1	220.0	50.0		
	100 GORK	6	0536.3	0536.5	.7	60.0D			
	29 UPIC	45	0536.5	0537.5	1.5				
	100 HIRA	45	0541.5	0545.2	5	110.0	40.0		
	100 GORK	41	0541.4	0541.9	5.4	60.0D			
	100 GORK		0541.4	0545.2		800.0			
	650 GORK	3	0553.7	0553.9	.3	17.0	8.0		
	606 MANI	8	0553.8	0553.9	.2	11.0	2.0		
	100 GORK	6	0553.7	0553.9	.6	60.0	30.0		
	9100 GORK	20	0554 F	0622 U	42	8.5			
	29 UPIC	45	0554	0554.5	2.5				
	3100 CRIM	45	0601	0602	7	2.0	1.0		
	3100 CRIM		0601	0605		3.0	1.0		
	9400 TYKW	45	0615	0623	15	5.0	2.0		
	3750 TYKW	5	0616	0622	30	2.0	1.0		
	8800 ATHN	1	0621.9	0622.7	4	1.7	.6		
	4995 ATHN	1	0621.6	0622.3	4	2.0	.7		
	2695 MANI	41	0621.8	0622.4	5	3.0	1.0		
	2695 ATHN	1	0621.8	0622.8	4.3	3.3	1.1		
	2000 TYKW	45	0621	0622.2	13	19.0	1.0		
	1415 MANI	41	0621.7	0622.3	4.8	26.8	1.9		
	1415 ATHN	3	0621.1	0622.1	6.5	14.0	4.3		
	950 GORK	41	0622.2	0622.3	1.3	15.0	7.0		
	950 GORK		0622.2	0623.3		6.0	3.0		
	2000 TYKW	40	0646	0702.3	18	12.0	1.0		
	3100 CRIM	45	0649	0701	6	7.0	2.0		
	3100 CRIM		0649	0703		7.0	2.0		
	2695 MANI	40	0653.7	0702.8	10.1	14.8	5.0		
	1415 MANI	40	0653.9	0701.2	9.9	48.0	4.8		
	1415 ATHN	1	0654.6	0652.2	.7	7.9	2.4		

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JUL 1974	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	29 UPIC	45	0655.5	0656	8.5				
	6100 KISV	40	0657	0700.4	6	5.0			
	3750 TYKW	45	0657	0702.8	10	4.0	1.0		
	100 GORK	41	0658.8	0700	4.2	45.0			
	100 GORK		0658.8	0701.5		80.0			
	9300 IRKU	3	0659.9	0701.6	7	37.5			
	8800 ATHN	4	0659.7	0701.5	8.1	18.6	5.6		
	4995 ATHN	22	0659.4	0701.8	10.4	4.9	2.9		
	2695 ATHN	4	0659.7	0702.7	8.3	11.7	3.5		
	1415 ATHN	4	0659.5	0701	8.2	44.3	13.3		
	10500 BERN	45	0700	0702.2	5	28.0			
	9400 TYKW	45	0700	0701.6	8	18.0	3.0		
	9100 GORK	2	0700	0701.7	3.5	21.0	10.0		
	1000 TYKW	45	0700	0700.1	1	2.0	1.0		
	950 GORK	4	0700	0700.2	2.2	57.0	17.0		
	9240 ARCE	4	0701	0702	5				
	113 POTS	40	0701.3	0701.3	.8	1000.0	50.0		
	200 GORK	6	0702	0702.1	.6	35.0	15.0		
	100 GORK	6	0703.4	0703.6	.6	60.0	30.0		
	100 GORK	6	0707.2	0707.7	.8	60.00			
	9240 ARCE	41	0730.7	0816.3	73.7				
	9240 ARCE	21	0730.7	0738.6	18				
	3000 BEPL	40	0733.5	0738	12	14.0	2.2		
	1415 MANI	41	0734.1	0755.7	50.1	315.0	14.6		
	950 GORK	41	0734	0735.2	7.9	22.0			
	950 GORK		0734	0738.1		240.00			
	950 GORK		0734	0739.7		27.0			
	930 BORD	41	0734	0738.3	7	190.0	4.0		
	2695 MANI	41	0735.7	0816.1	44.1	70.0	3.0		
	2000 TYKW	40	0735	0738	10	15.0	2.0		
	650 GORK	3	0736.9	0737.1	.4	9.6	4.8		
	8800 ATHN	4	0737.5	0740.5	5.8	20.3	6.1		
	6100 KISV	41	0737.2	0740.4	7	6.0			
	4995 MANI	41	0737.8	0816.1	43.4	79.0	3.7		
	4995 ATHN	2	0737.5	0738.1	5.2	8.8	2.6		
	3100 CRIM	3	0737	0738	9	16.0	5.0		
	2695 ATHN	4	0737.5	0738.1	3.3	13.4	4.0		
	1470 BERL	4	0737.5	0738.3	8	164.0	50.0		
	1415 ATHN	4	0737.4	0737.9	3.6	221.0	66.0		
	1000 TYKW	5	0737.8	0738.2	1	23.0	5.0		
	9400 TYKW	45	0738	0740.7	9	22.0	5.0		
	9100 GORK	2	0738	0740.5	7	22.0	11.0		
	8800 MANI	41	0738	0816.1	45.2	405.0	5.6		
	3750 TYKW	45	0738	0738.2	5	6.0	1.0		
	10500 BERN	1	0739.8	0740.7	4	26.0			
	29 UPIC	45	0739.5	0740	1				
	9500 BERL	3	0740	0740.5	3	21.0	7.0		
	9240 ARCE	3	0740.4	0741.2	3.5				
	9300 IRKU	3	0741	0741.8	7	41.0			
	10500 BERN	4	0753.3	0756.9	3	26.0			
	9500 BERL	40	0753.5	0756.6	4.5	13.0	4.2		
	8800 ATHN	4	0753.3	0755.6	4.8	11.8	3.5		
	4995 ATHN	4	0753.5	0755.6	5.5	13.7	4.1		
	3000 BERL	46	0753	0756.5	7	19.0	6.1		
	2000 TYKW	40	0753	0756.3	10	17.0	2.0		
	1470 BERL	46	0753	0755.8	6	225.0	50.0		
	1415 ATHN	46	0753.1	0755.5	5.9	330.0	99.0		
	950 GORK	41	0753.6	0753.9	5.4	10.0			
	950 GORK		0753.6	0756.4		34.0			
	930 BORD	41	0753	0755.8	3	50.0	3.0		
	29 UPIC	45	0753.5		6.5				
	9240 ARCE	4	0754.1	0757	10				
	9300 IRKU	1	0755.6	0756.7	2	19.0			
	9100 GORK	1	0755	0756.5	5	16.5	8.2		
	3750 TYKW	5	0755	0755.9	2	13.0	3.0		
	2695 ATHN	4	0755.2	0756.3	4.8	15.7	5.0		
	1000 TYKW	5	0755.5	0755.8	.5	4.0	1.0		
	3100 CRIM	3	0756	0757	5	8.0	3.0		
	207 IZMI	6	0808.8	0808.8	.2	500.0	100.0		
	3100 CRIM	40	0812	0816	10	22.00	7.00		
	1470 BERL	46	0810	0815.8	10	141.0	27.0		
	1415 ATHN	46	0811.9	0815.6	7.9	215.0	43.0		
	29 UPIC	45	0811		8.5				
	8800 ATHN	4	0812.4	0815.8	8.9	201.0	60.0		
	4995 ATHN	4	0812.5	0815.8	8.6	95.1	28.5		
	3000 BERL	46	0812	0816	10	70.0	6.1		
	2695 ATHN	4	0812.1	0815.8	7.6	58.5	17.6		
	930 BORD	41	0812	0813.2	5	150.0	10.0		
	950 GORK	41	0813	0813.2	3.5	80.00			
	950 GORK		0813	0814.3		58.0			
	950 GORK		0813	0816.2		46.0			
	100 GORK	41	0813	0813.2	6.4	60.0			
	100 GORK		0813	0815.3		60.00			
	100 GORK		0813	0815.5		500.0			
	10500 BERN	3	0814.5	0816.1	5	400.0			
	9300 IRKU	3	0814.6	0816.1	5	287.00			
	6100 KISV	45	0814	0815.5	7	103.0			
	9500 BERL	4	0815	0816	5.5	257.0	14.0		
	9240 ARCE	8	0815.6	0816.3	2.2				
	9100 GORK	3	0815	0816	5.5	279.0	140.0		

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JUL 1974	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	1900 SLOU	8	0815.8	0816	1	550.0			
	650 GORK	3	0815.9	0816.2		20.0			
	650 GORK		0815.9	0818.3		2.7			
	606 MANI	41	0815.5	0816.1	9.2	22.5	1.5		
	113 POTS	45	0815	0815.2	1.1	900.0	120.0		
	100 HIRA	45	0815	0815.1	1.5	1000.00	300.00		
	3700 SLOU	3	0816	0816.6	.8	400.0			
	808 ONDR	5	0816	0816	.5	85.0			
	536 ONDR	5	0816	0816	.5	50.0			
	9240 ARCE	29	0817.8	0818.7	26.6				
	650 GORK	3	0829.7	0829.8	.3	14.0			
	29 UPIC	45	0829	0829	.8				
	9100 GORK	23	0830		210				
	3000 BERL	1	0831.8	0832.1	.7	5.3	1.4		
	1470 BERL	3	0831.9	0832.2	.7	15.0	4.0		
	100 GORK	41	0832.3	0832.5	3.5	65.00			
	100 GORK		0832.3	0835.2		65.00			
	3100 CRIM	24	0851	1000		5.00			
	207 IZMI	6	0910.3	0910.5	.4	120.0	70.0		
	29 UPIC	45	0914.5	0915	1.5				
	100 GORK	41	0933	0933.1	5.5	65.0			
	100 GORK		0933	0937.5		65.00			
	29 UPIC	45	0936		6				
	4995 ATHN	2	0939.7	0939.9	1.3	6.9	2.1		
	2695 ATHN	4	0939.7	0939.9	1.3	15.0	4.5		
	1415 ATHN	4	0939.7	0939.8	1.3	82.1	24.6		
	6100 KISV	3	0940	0944.2	1.3	6.0			
	3100 CRIM	3	0940	0941	2	8.0	3.0		
	3000 BERL	4	0940	0940.3	2	15.0	6.1		
	1470 BERL	3	0940	0940.5	1.5	56.0	19.0		
	950 GORK	4	0940.2	0940.2	.6	45.0	18.0		
	930 BORD	45	0940	0940.5	1	70.0	10.0		
	234 POTS	5	0940.5	0940.5	.1	120.0	40.0		
	221 ABST	6	0940	0940.2	.8	21.0			
	200 GORK	6	0940.4	0940.6	.3	240.0	120.0		
	113 POTS	40	0940.3	0940.5	.8	4200.0	140.0		
	4995 ATHN	2	0954.5	0954.8	.9	2.0	.6		
	3100 CRIM	3	0954	0955	3	10.0	3.0		
	3000 BERL	4	0954.5	0955.5	3.5	26.0	3.8		
	2695 ATHN	4	0954	0954.7	3.2	31.7	9.5		
	1470 BERL	3	0954.5	0955	3	28.0	7.9		
	1415 ATHN	4	0954.5	0955	3	34.6	10.4		
	950 GORK	41	0954.8	0955.2	2.7	80.0			
	950 GORK		0954.8	0956.6		80.0			
	930 BORD	41	0954	0955.2	4	133.0	4.0		
	29 UPIC	45	0955	0956.5	3				
	6100 KISV	45	1001.4	1004.2	5	35.0			
	4995 ATHN	41	1001.5	1004	21.2	23.5	4.7		
	3000 BERL	21	1001	1153	164	27.0			
	1470 BERL	21	1001	1156.5	159	7.5			
	10500 BERN	45	1002.7	1004.8	5	70.0			
	9240 ARCE	23	1002.8	1245.8	182				
	8800 ATHN	41	1002.5	1004	20.2	38.9	7.8		
	2695 ATHN	41	1002	1011	31.7	31.7	6.3		
	1415 SGMR	46	1002.8	1003.7	2.8	96.8	29.1		
	1415 SGMR	46		1004.3		70.0			
	1415 ATHN	41	1002.5	1003.9	27.1	92.9	18.6		
	9500 BERL	21	1003	1155	157	45.0			
	9500 BERL	4	1003	1004.2	5	56.0	11.0		
	3000 BERL	4	1003	1004.4	4	29.0			
	1470 BERL	3	1003	1004	2.5	67.0			
	930 BORD	45	1003	1004.3	3	170.0	30.0		
	808 ONDR	45	1003.5	1005.5	3	230.0			
	606 SGMR	1	1003.2	1003.7	2.1	8.7	2.6		
	315 DWIN	42	1003	1110	91	750.00			
	221 ABST	48	1003.8	1004	1	21.0	7.0		
	29 UPIC	45	1003		18.5				
	9240 ARCE	4	1004.4	1004.7	1.8				
	3700 SLOU	3	1004	1004.5	.5	66.0			
	1900 SLOU	3	1004	1004.2	.5	125.0			
	510 POTS	41	1004.30	1015.70	12	112.0	1.0E		
	410 SGMR	6	1004.2	1004.8	1.1	16.0	4.8		
	245 SGMR	6	1004	1004.8	1.3	37.6	11.3		
	234 POTS	41	1004.4	1015.9	12	500.0	1.0F		
	113 POTS	41	1004.4	1014.7	13	2800.0	9.0		
	207 IZMI	41	1005	1105.4	1.5	210.0			
	6100 KISV	1	1008.2	1008.4	1	3.0			
	3000 BERL	4	1008	1011.2	14	30.0			
	1470 BERL	4	1008.5	1020.5	14	36.0			
	6100 KISV	3	1010.4	1011.7	1.3	7.0			
	1415 SGMR	41	1011.3	1029.3	18.7	52.8	15.8		
	930 BORD	41	1011	1017.1	11	33.0	2.0		
	10500 BERN	45	1013.3	1015.2	6	11.0			
	6100 KISV	40	1013.4	1014.4	5	13.0			
	606 SGMR	41	1013.2	1013.3	5.2	7.4	1.5		
	245 SGMR	6	1014.8	1016.2	7.9	38.5	11.6		
	207 IZMI	41	1014.6	1015	2	450.0			
	808 ONDR	45	1015.5	1017	3.5	85.0			
	410 SGMR	6	1015.2	1016	6.6	65.4	19.6		
	221 ABST	48	1015.8	1016.2	1	32.0	9.0		

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JUL 1974	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		
6	536 ONDR	5	1016	1016	.5	80.0			
	10500 BERN	41	1026.7	1037.3	25	1304.0			
	930 BORD	45	1027	1027.9	1	13.0	2.0		
	1470 BERL	4	1029	1029.2	1.5	62.0	24.0		
	6100 KISV	41	1033.4	1037.5	12.3	230.00			
	8800 ATHN	47	1034.4	1036.9	8.2	810.0	243.0		
	4995 SGMR	47	1034.8	1036	10.2	159.0	160.0		
	4995 SGMR	47		1037.3		534.0			
	4995 ATHN	46	1034.1	1036.9	9.5	395.0	119.0		
	3000 BERL	4	1034	1037.1	9	320.0			
	2695 SGMR	46	1034.8	1035.9	11.4	87.6	71.4		
	2695 SGMR	46		1037.3		240.0			
	2695 ATHN	46	1034.3	1036.9	9.8	232.0	69.6		
	1470 BFRL	4	1034	1036	8.5	230.0			
	1415 SGMR	46	1034.2	1036.2	8.7	206.0	86.4		
	1415 SGMR	46		1037		290.0			
	1415 ATHN	46	1034.3	1036.5	9	365.0	110.0		
	930 BORD	45	1034	1037.2	7	195.0	20.0		
	808 ONDR	45	1034.5	1037	7	190.0			
	15400 SGMR	47	1035.6	1037.4	4.7	1638.0	491.0		
	9500 BERL	4	1035	1037	2	890.0			
	9240 ARCE	45	1035.2	1037.4	6.3				
	9240 ARCE		1035.2	1036.2	2				
	9240 ARCE			1037.2	4.3				
	9100 GORK	3	1035	1037	4.5	705.0	350.0		
	8800 SGMR	47	1035.4	1036	5.4	270.0	340.0		
	8800 SGMR	47		1037.2		1370.0			
	606 SGMR	46	1035.6	1035.9	5.7	36.0	23.1		
	606 SGMR	46		1037.2		76.9			
	510 POTS	40	1035.5U	1035.7U	4.5U	140.0	2.0		
	245 SGMR	6	1035.9	1037.2	4.8	163.0	48.5		
	234 POTS	40	1035.8	1035.8	3.9	500.0	2.0		
	221 ABST	48	1035.5	1035.8	3.5	27.0	9.0		
	207 IZMI	41	1035.8	1037.5	4	250.0			
	113 POTS	45	1035.8	1035.9	4.2	2000.0	70.0		
	29 UPIC	45	1035		5				
	35000 SGMR	47	1036.3	1037.1	3.7	1556.0	622.0		
	1900 SLOU	3	1036	1037.5	3	1832.00			
	536 ONDR	45	1036.5	1038	7	75.0			
	410 SGMR	6	1036	1036.2	4.3	83.6	25.1		
	7100 SLOU	3	1037.5	1037.6	.4	540.0			
	3700 SLOU	3	1037.5	1037.8	1	880.0U			
	2800 OTTA	23	1050	1150	290	17.6	5.8		
	1470 BERL	4	1054.5	1055.5	2.5	13.0			
	10700 PENN	20	1055.9	1141.5	116	57.4	27.0		
	4995 SGMR	47	1058	1106	67.4	400.0	242.0		
	4995 SGMR	47		1111.7		605.0			
	4995 ATHN	46	1058	1111.1	25.3	418.0	78.0		
	2695 SGMR	47	1058	1106	67.1	204.0	245.0		
	2695 SGMR	47		1111.7		680.0			
	2695 ATHN	47	1100	1111	17.5	690.0	207.0		
	1415 SGMR	47	1100.5	1105.7	26.2	68.6	219.0		
	1415 SGMR	47		1112		580.0			
	3000 BERL	46	1101	1111.3	7.5	860.0			
	930 BORD	45	1101	1101.5	1	12.0	2.0		
	8800 SGMR	47	1102.7	1106	62.4	670.0	320.0		
	8800 SGMR	47		1111.7		800.0			
	8800 ATHN	46	1102.6	1111	19.9	425.0	128.0		
	1470 BERL	46	1102.5	1112.5	17	700.0			
	1415 ATHN	47	1102.5	1111.5	20	540.0	162.0		
	960 PENN	45	1102 E						
	410 SGMR	49	1102.8	1110.6	46.2	4475.0	1790.0		
	245 SGMR	49	1102.8	1110.6	57.2	5680.0	2272.0		
	9500 BERL	46	1103	1111.4	18	500.0			
	2800 OTTA	47	1103	1111.5	15.5	780.0	134.0		
	536 ONDR	45	1103	1112	13.5	125.0			
	15400 SGMR	47	1104.9	1105.9	59.1	309.0	173.0		
	15400 SGMR	47		1111.1		578.0			
	10500 BERN	45	1104.2	1105.9	16	380.0			
	10500 BERN		1104.2	1111.6		487.0			
	10500 BERN			1112.8		270.0			
	9240 ARCE	46	1104.8	1111.8	17				
	9240 ARCE		1104.8	1106.1	5.6				
	9240 ARCE		1110.4	1111.8	2.6				
	9240 ARCE		1113	1113.1	8.8				
	930 BORD	45	1104	1112	25	610.0	88.0		
	550 KIEV	41	1104	1111.8	50	104.00			
	29 UPIC	45	1104		10				
	10700 PENN	3	1105.1	1106.2	4.9	453.0	168.0		
	9100 GORK	3	1105	1105.5	2.5	426.0	213.0		
	3700 SLOU	3	1105.5	1106.5	4	100.0			
	1900 SLOU	3	1105	1106	5	206.0			
	808 ONDR	45	1105	1111.5	12	260.0			
	606 SGMR	46	1105	1106.1	29.2	62.0	47.1		
	606 SGMR	46		1111.7		157.0			
	228 HARS	45	1105	1105.5	1.5	180.0	50.0		
	18 MCMA	6	1105	1107	3				
	35000 SGMR	47	1110.3	1111.1	13.7	2000.0	800.0	1	
	10700 PENN	47	1110.3	1111.8	10.6	554.0	58.9		
	9100 GORK	3	1110	1111.5	3	600.0	300.0		

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JUL 1974	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		
6	3700 SLOW	45	1110.2	1111.7	4	880.00		1	
	1900 SLOW	45	1110.2	1111.3	4	725.0			
	510 POTS	41	1110.5	1110.6	24	500.0	1.0		
	234 POTS	41	1110.5	1110.6	17	40000.0	200.0		
	228 HARS	45	1110.5	1111.5	2	220.0	70.0		
	207 IZMI	48	1110.2	1111	2.5	19800.0			
	207 IZMI	48	1110.2	1111	.4	19800.0	7000.0		
	207 IZMI	48	1110.2	1111.6	.5	8400.0	3000.0		
	113 POTS	41	1110.5F	1111.3	17.0	140000.0	35.0		
	7100 SLOW	3	1111.3	1111.4	.3	666.0			
	18 MCMA	6	1111	1111	3				
	3000 RFRL	40	1118.5	1125.2	13	22.0			
	207 IZMI	41	1119.4	1126	10	250.0			
	2800 OTTA	40	1120	1125.5	8	8.0			
	1470 RFRL	3	1120	1125.5	9	21.0			
	10700 PFNN	3	1124.9	1125.6	2.1	49.2	10.1		
	10500 RFRL	4	1124.6	1125.4	3	46.0			
	9500 RFRL	3	1124	1129.2	7	64.0			
	228 HARS	45	1124.5	1125	1.5	90.0	75.0		
	9240 ARCF	2	1125.3	1125.7	1.7				
	1900 SLOW	3	1125	1125.4	.7	107.0			
	29 UPIC	45	1125	1125.5	1.5				
	10500 RFRL	3	1128.7	1129.7	2	38.0			
	10700 PFNN	3	1129.3	1129.5	1.3	41.0	16.4		
	9240 ARCF	3	1129.3	1129.6	2				
	4995 ATHN	4	1135.7	1145	10.9	24.5	7.4		
	2695 ATHN	4	1136.7	1145.3	10.8	20.0	6.7		
	8800 ATHN	4	1137.4	1145	8.6	16.9	6.1		
	1415 ATHN	46	1138.3	1141	10.1	330.0	99.0		
	1415 SGMR	46	1139	1141.6	22.2	349.0	105.0		
	1415 SGMR	46		1143.9		132.0			
	9500 BERL	40	1140	1145.3	7	61.0			
	3000 RFRL	40	1140	1145.4	16	42.0			
	2800 OTTA	2	1140	1141.5	2	10.2	5.1		
	1470 RFRL	46	1140	1141.8	15	355.0			
	960 PFNN	45	1140.9	1145.7	6	16.3	2.4		
	930 BORD	45	1140	1145.7	9	29.0	7.0		
	29 UPIC	45	1140		5				
	18 MCMA	6	1140	1142	3				
	10700 PFNN	3	1144.9	1145.7	6.4	16.4	4.6		
	2800 OTTA	3	1144.5	1145.7	3.5	15.2	7.4		
	10500 RFRL	4	1145.2	1146	4	17.0			
	6100 KISV	41	1149.5	1157	34	407.0			
	7000 SAOP	20	1150 F		59	38.2			
	3000 RFRL	3	1154.5	1154.7	1	30.0			
	2800 OTTA	1	1154.5	1154.6	1	3.8	1.9		
	1470 RFRL	3	1154	1154.5	1	11.0			
	18 MCMA	6	1157	1159	3				
	930 BORD	45	1202	1206	7	10.0	4.0		
	2800 OTTA	40	1214.5	1215.1	1	3.2			
	1470 RFRL	3	1221.5	1222.5	2	10.0			
	2800 OTTA	8	1235.8	1235.8		5.0			
	1470 RFRL	3	1235.5	1235.7	2	12.0			
	18 MCMA	41	1247	1255	7				
	1420 BOUL	45	1250	1253.5	7.5	86.0	35.0		
	9400 HUAN	4	1251.2	1256.4	8.5	36.6	5.8		
	1470 RFRL	46	1251.3	1252.5	6.7	150.0			
	1415 SGMR	46	1251.7	1252.4	8.1	309.0	93.0		
	1415 SGMR	46		1256.5		63.1			
	1415 ATHN	46	1251.5	1252.2	5.9	295.0	88.5		
	9240 ARCF	41	1252.7	1256.7	6.2				
	9240 ARCF	1	1252.7	1252.8	.7				
	8800 SGMR	46	1252.4	1254.3	9.6	14.3	15.9		
	8800 SGMR	46		1256.2		52.9			
	7000 SAOP	1	1252	1252.5	1.5	7.1			
	4995 SGMR	46	1252.3	1254.3	9.7	3.6	6.6		
	4995 SGMR	46		1256.3		22.7			
	4995 ATHN	4	1252	1256.2	5.5	19.6	5.9		
	3000 RFRL	46	1252	1252.5	6	21.0	5.3		
	2800 OTTA	41	1252	1252.5	6	17.8			
	2695 SGMR	46	1252.3	1254.3	6	5.2	3.2		
	2695 SGMR	46		1256.3		10.7			
	2695 BOUL	45	1252.5	1253	9	15.0	3.0		
	2695 ATHN	4	1252.2	1252.3	4.9	13.4	4.0		
	410 SGMR	6	1252.6	1253.9	3.9	76.0	22.8		
	10700 PFNN	45	1253.9	1256.4	4.4	34.0	7.3		
	9500 RFRL	3	1253.7	1256.2	4.8	34.0	11.0		
	8800 ATHN	4	1253.6	1256.2	5.2	28.7	8.6		
	7000 SAOP	1	1253.5	1254.2	1.1	7.9			
	245 SGMR	6	1253.8	1253.9	2.6	30.9	9.3		
	15400 SGMR	4	1254.1	1256.3	6.4	29.2	8.8		
	10500 RFRL	45	1254.1	1254.6	6	17.0			
	10500 RFRL			1256.7		37.0			
	9240 ARCF	1	1254.2	1254.6	1.1				
	7000 SAOP	1	1254.6	1256.3	3.5	28.4	14.2		
	606 SGMR	1	1254.2	1256	5.8	2.5	1.0		
	9240 ARCF	3	1255.9	1256.7	3				
	4995 BOUL	8	1255	1256.5	3	27.0	10.0		
	1470 RFRL	3	1336.5	1348	16	58.0	4.3		
	1420 BOUL	8	1336.5	1337	1	4.0	1.0		

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JUL 1974	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		
6	7000 SAOP	4	1343.6	1349.6	11	80.8	40.4	2	
	18 MCMA	6	1345	1348	4				
	9400 HUAN	3	1346.6	1349.6	5.2	96.1	18.0		
	3000 RFRL	3	1346	1349.5	5	19.0	4.5		
	15400 SGMR	4	1347.5	1349.5	3.5	131.0	39.3		
	10700 PFNN	45	1347.3	1349.6	6.5	106.0	13.1		
	10500 RFRL	45	1347.2	1347.8	5	15.0			
	10500 RFRL			1349.8		110.0			
	9500 BERL	3	1347	1349.4	4.5	78.0	17.0		
	9240 ARCE	28	1347.6	1347.9	2.1				
	8800 SGMR	46	1347.1	1347.5	4.7	18.9	37.3		
	8800 SGMR	46		1349.5		124.0			
	8800 ATHN	4	1347.1	1349.3	5.7	128.0	30.4		
	4995 BOUL	45	1347.5	1349.5	3.5	34.0	9.0		
	4995 SGMR	46	1347.1	1347.9	4	11.2	11.8		
	4995 SGMR	46		1349.5		39.2			
	4995 ATHN	4	1347.1	1349.3	9.4	31.4	9.8		
	2800 OTTA	1	1347	1348.5	4	4.6	2.3		
	2800 OTTA	8	1347.5	1347.5		8.8			
	2695 SGMR	46	1347.2	1347.5	4	3.8	3.2		
	2695 SGMR	46		1349.5		10.7			
	2695 ATHN	4	1347.3	1349.3	3.3	46.8	15.0		
	1420 BOUL	45	1347.5	1348	4	39.0	12.0		
	1415 SGMR	46	1347.2	1347.8	3.8	6.7	17.3		
	1415 SGMR	46		1349.5		57.6			
	1415 ATHN	2	1347.1	1347.6	2.9	8.6	2.2		
	960 PFNN	45	1347.3	1347.4	2.7	20.4	1.8		
	930 BORD	45	1347	1347.5	3	36.0	2.0		
	245 SGMR	6	1347.2	1348.3	4	36.7	11.0		
	113 POTS	41	1347.4	1348.3	6	700.0	10.0		
	2695 BOUL	45	1348	1351	4	16.0	5.0		
	234 POTS	5	1348.3	1348.3	.1	120.0	40.0		
	9240 ARCE	4	1349.7	1349.9	2.9				
	2800 OTTA	8	1349.3	1349.5	.7	15.2	7.6		
	536 ONDR	45	1349	1349.5	1.5	60.0			
	510 POTS	45	1349.3	1349.70	.7	30.0	5.0		
	410 SGMR	6	1349.2	1349.5	1.5	46.6	13.9		
	606 SGMR	2	1350.3	1351.2	1.5	6.2	1.9		
	1420 BOUL	3	1408.5	1410.5	4.5	2.0	1.0		
	1470 BERL	4	1418	1418.7	1.5	3.6	1.5		
	1420 BOUL	45	1418	1419	2	3.0	1.0		
	9400 HUAN	20	1501.3	1513.7	28.1	6.8	2.4		
	9240 ARCE	23	1504.2	1525.2	127				
	2800 OTTA	2	1520	1520.5	1	1.8	0.9		
	2695 SGMR	1	1520.2	1520.7	.7	2.6	.5		
	2695 ATHN	1	1520.6	1521	1.2	5.0	1.7		
	1420 BOUL	8	1520	1520.5	1.5	27.0	11.0		
	1415 SGMR	4	1520.2	1520.6	5.7	39.8	8.0		
	1415 ATHN	4	1520.7	1520.8	.9	30.2	8.6		
	2695 BOUL	3	1521	1521.5	1	4.0	1.0		
	18 MCMA	42	1521	1527	7				
	18 MCMA	42	1532	1536	5				
	2800 OTTA	1	1533	1533.2	1	5.6	1.9		
	2695 BOUL	8	1534	1534.5	2	6.0	2.0		
	7000 SAOP	21	1608		40	25.7			
	1420 BOUL	45	1620.5	1623	3.5	57.0	13.0		
	18 MCMA	6	1620	1622	3				
	10700 PFNN	3	1621.4	1622.3	3.6	23.6	5.7		
	9400 HUAN	3	1621.4	1622.3	5.1	21.7	4.7		
	8800 ATHN	4	1621	1622.5	2.7	30.4	8.5		
	4995 BOUL	3	1621	1622	2	15.0	5.0		
	4995 ATHN	2	1621.5	1623.5	2.5	6.9	2.0		
	2800 OTTA	3	1621.5	1622	2	14.6	5.0		
	2695 ATHN	2	1621.8	1622.2	1.7	3.3	1.7		
	1415 PALE	4	1621.3	1622.2	2	44.0	13.0		
	1415 ATHN	46	1621.2	1622.4	2.3	128.0	53.4		
	960 PFNN	1	1621.7	1622.2	1	5.1	1.7		
	930 BORD	45	1621	1622.2	2	10.0	2.0		
	9240 ARCE	3	1622	1622.7	3.6				
	2695 BOUL	8	1622.5	1623.5	2.5	13.0	5.0		
	7000 SAOP	20	1623.7		2.2	10.6			
	8800 SGMR	2	1642.5	1643.2	6.1	4.6	1.4		
	8800 ATHN	2	1642.4	1642.9	5.4	5.1	1.7		
	4995 SGMR	2	1642.4	1643.9	9.5	5.8	2.5		
	4995 ATHN	2	1642.4	1642.9	5.6	7.8	2.0		
	2695 SGMR	2	1642.5	1642.9	9.5	4.3	1.3		
	2695 PENT	1	1642.5	1643	1	2.6	1.3		
	2695 ATHN	2	1642	1642.9	10.2	5.0	1.7		
	1415 PALE	4	1642.5	1642.8	.8	27.1	8.1		
	1415 ATHN	4	1642.4	1642.9	8.4	31.3	8.6		
	18 MCMA	41	1642	1643	6				
	1415 SGMR	3	1647.4	1647.5	1	10.8	3.2		
	1415 PALE	1	1647.5	1647.6	1.1	9.9	6.6		
	1415 SGMR	22	1658	1733.9	80	6.4	3.8		
	2800 OTTA	22	1704	1733	42	2.6	1.6		
	18 MCMA	41	1704	1706	19				
	1420 BOUL	45	1705.5	1706	2.5	3.0	1.0		
	930 BORD	45	1705	1705.7	2	25.0	2.0		
	18 MCMA	42	1731	1733	15				
	1420 BOUL	45	1732	1732.5	2.5	4.0	1.0		

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JUL 1974	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		
6	7000 SAOP	28	1742.1		18.5	98.7	49.4	1	
	7000 SAOP	45	1800.7	1804.2	19	2053.7	183.1		
	18 MCMA	6	1805	1807	3				
	2800 OTTA	28	1815	1842	27	5.0	2.5		
	7000 SAOP	29	1819		11	100.0	50.0		
	8800 PALE	28	1830	1841.8	11.8	43.1	21.6		
	10700 PENN	45	1837.5		123				
	8800 SGMR	47	1838.4	1904	86.1	1005.0	380.9		
	8800 SGMR	47		1904.7		1420.0			
	9400 HUAN	28	1839.4	1843.3	3.9	33.9	11.3		
	8800 PALE	47	1841.8	1904	99.7	970.0	410.0		
	8800 PALE	47		1904.6	11.8	1400.0			
	4995 BOUL	45	1841.5	1905	119	312.0	59.0		
	1415 SGMR	46	1841.5	1916.7	89.5	258.6	77.6		
	1415 SGMR	46		1904.8		152.4			
	15400 SGMR	47	1842.1	1904.1	64.6	1326.0	436.8		
	15400 SGMR	47		1904.8		1456.0			
	4995 SGMR	47	1842.2	1904	82.4	554.0	166.6		
	4995 SGMR	47		1904.7		560.0			
	2800 OTTA	46	1842	1905	106	308.0	42.0		
	2800 OTTA		1842	1845	7	62.0			
	2800 OTTA		1856	1905	10	308.0			
	2800 OTTA		1909	1910	35	148.0			
	2800 OTTA		1941.5	1948.5	46.5	63.0			
	2695 SGMR	46	1842.2	1904.1	82.3	323.0	115.0		
	2695 SGMR	46		1904.7		383.0			
	1420 BOUL	45	1842.5	1913	135	154.0	17.0		
	9400 HUAN	47	1843.3	1905.1	22.4	361.5	182.4		
	9400 HUAN		1843.3	1904.7		1354.0			
	2695 BOUL	45	1843	1906.5	125	177.0	35.0		
	1415 PALE	46	1843.5	1904	98	130.0	88.0		
	1415 PALE	46		1914.5		290.0			
	1415 PALE	46		1947.8		170.0			
	18 BOUL	42	1843	1903	28			1	
	960 PENN	40	1844.6		16.5			1	
	18 MCMA	41	1844	1847	31				
	410 SGMR	7	1852.1	1917.4	99.2	318.5	95.6		
	606 SGMR	47	1853.3	1903.2	79.9	1110.0	270.0		
	606 SGMR	47		1944.5		275.0			
	245 SGMR	7	1855.1	1903.6	89.4	477.9	143.4		
	35000 SGMR	47	1856.4	1904.1	22.8	1550.0	465.0		
	35000 SGMR	47		1904.8		1102.4			
	3700 SLOU	46	1901.8	1904	7	1880.0			
	1900 SLOU	46	1901	1904.2	8	1489.0			
	960 PENN	45	1903 E		26 D	130.0D			
	9400 HUAN	29	1905.7	1905.7	82.7	270.8	91.5		
	18 BOUL	42	1935	1949	36			1	
	18 MCMA	41	1936	1938	3			1	
	960 PENN	45	1940.3	1951.7	59.7	118.0	31.0		
	200 HIRA	45	1941.5		63.5		30.0		
	200 HIRA		1941.5	1950.6		90.0			
	200 HIRA		1941.5	1952.8		90.0			
	200 HIRA		1941.5	2009		90.0			
	15400 SGMR	29	1946.7	1946.7	52.2	12.8	5.1	1	
	18 MCMA	6	1946	1949	9				
	8800 SGMR	29	2004.5	2004.5	37.2	27.3	10.9		
	4995 SGMR	29	2004.6	2004.6	34.2	36.0	14.4		
	2695 SGMR	29	2004.5	2004.5	33	62.6	25.0		
	1415 SGMR	29	2011	2011	26.1	20.4	8.2		
	606 SGMR	29	2013.2	2013.2	20.8	19.5	7.8		
	8800 PALE	30	2021.5	2021.5	67	3.6	1.5		
	1415 PALE	30	2021.5	2021.5	64.9	7.7	3.4		
	2800 OTTA	30	2028	2028	52	12.0	6.0		
	8800 SGMR	2	2052.1	2052.4	2.8	6.3	3.7		
	4995 BOUL	8	2052	2052.5	2	16.0	6.0		
	4995 SGMR	4	2052.1	2052.6	2.5	12.2	3.7		
	2800 OTTA	1	2052	2052.5	3	8.4	2.8		
	2695 SGMR	4	2052.3	2052.9	2.6	10.2	3.1		
	2695 BOUL	21	2053	2053.5	27.5	10.0	3.0		
	18 BOUL	42	2102	2107	6			1	
	18 MCMA	42	2103	2110	8			1	
	4995 BOUL	45	2114.5	2116	3.5	14.0	4.0		
	18 BOUL	6	2114	2117	5			1	
	8800 PALE	4	2115.5	2117.3	3.5	21.8	5.8		
	4995 SGMR	2	2115.9	2116	2.3	8.6	2.6		
	2800 OTTA	8	2115.5	2115.6	.5	6.0	3.0		
	2695 SGMR	2	2115.8	2116.1	2	3.7	1.1		
	1420 BOUL	45	2115	2116.5	4.5	29.0	10.0		
	1415 SGMR	4	2115.1	2116	3.9	123.0	36.9		
	1415 PALE	4	2115.5	2116	2.8	140.0	14.6		
	2695 BOUL	45	2116	2117.5	6	9.0	3.0		
	8800 SGMR	4	2117	2118.8	2.7	18.5	5.5		
	606 SGMR	4	2117.2	2117.8	.9	64.9	19.5		
	410 SGMR	2	2117.1	2117.3	1.6	5.9	1.8		
	18 MCMA	41	2117	2120	4			1	
	18 BOUL	6	2137	2141	5			1	
	18 BOUL	41	2156	2159	10			1	
	2800 OTTA	26	2240	2300	20	-3.8	-1.9		
	2695 PENT	20	2305	2325	40	2.0	1.0		
7	100 HIRA	45	0123.4	0123.5	1	140.0	30.0		

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JUL 1974	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		
7	3750 TYKW	5	0154	0154.4	1	2.0	1.0		
	2000 TYKW	5	0154	0154.5	1	2.0	1.0		
	1415 MANI	4	0307.8	0307.9	3.4	17.1	4.5		
	1415 PALE	3	0307.7	0307.8	.5	36.6	11.0		
	3750 TYKW	5	0436	0447	60	13.0	5.0		
	2000 TYKW	5	0437	0448	60	5.0	2.0		
	200 GORK	44	0515		285		10.0		
	260 ONDR	44	0634	1013.5	567	170.0			
	29 UPIC	45	0635	0635.5	1				
	221 ABST	44	0700	1048.2	240	4.0			
	410 SGMR	44	0917 E	1221.5	902 D	10.8			
	245 SGMR	44	0917 E	1904	902 D	38.2			
	29 UPIC	44		1032.5	285				
	9100 GORK	1	0722	0726.5	9.5	2.8	1.4		
	9100 GORK	1	0806	0809.7	7.7	4.8	2.4		
	9100 GORK	1	0828	0828.7	2	6.9	3.4		
	9240 ARCE	20	0838.8	0926.6	68				
	9240 ARCE		0838.8	0917.7	46.8				
	9240 ARCE		0924.6	0926.6	21.2				
	9100 GORK	20	0839	0847	23.5	5.4	2.7		
	29 UPIC	45	0854.5	0857	3.5				
	100 GORK	6	0855.8	0856.7	1	600.0			
	113 POTS	45	0856.4	0856.7	.4	150.0	15.0		
	29 UPIC	45	0912	0912.5	2				
	9100 GORK	21	0915	0954	105 D	26.0			
	6100 KISV		0924	0926.3	23	7.0			
	9240 ARCE	21	0954.1	1022.5	72.5				
	100 GORK	6	0957.8	0957.9	.5				
	9500 BERL	46	1001	1010.6	53	217.0	56.0		
	6100 KISV	41	1003.3	1010.3	17	207.0			
	10500 RFRN	45	1004.5	1006	16	250.0			
	10500 RFRN			1008.7		196.0			
	10500 RFRN			1010.4		258.0			
	10500 RFRN			1013.4		80.0			
	9240 ARCE	46	1004.8	1010.5	16.3				
	9240 ARCE		1004.8	1006	2.3				
	9240 ARCE		1007.1	1008.8	2.4				
	9240 ARCE		1009.5	1010.5	3.6				
	9240 ARCE		1013.1	1013.5	.8				
	8800 ATHN	45	1004.8	1010.1	9.4	150.9	45.3		
	4995 SGMR	46	1004.9	1008.7	13.4	109.1	43.6		
	4995 SGMR	46		1010.4		217.8			
	4995 ATHN	45	1004.7	1010.1	9.3	187.2	56.1		
	35000 SGMR	46	1005.6	1008.6	16.4	389.4	77.9		
	35000 SGMR	46		1010.1		354.0			
	15400 SGMR	46	1005.6	1006.1	16.4	262.4	63.1		
	15400 SGMR	46		1010.5		315.5			
	9100 GORK	45	1005	1006.2	13	216.0			
	9100 GORK		1005	1008.5		173.0			
	9100 GORK		1005	1010		242.0			
	8800 SGMR	46	1005.3	1006	20.4	215.0	58.2		
	8800 SGMR	46		1010.3		291.0			
	3000 BERL	46	1005	1010.5	65	219.0	66.0		
	2695 SGMR	46	1005.3	1010.5	15.1	180.7	36.1		
	2695 SGMR	46		1013.4		88.0			
	2695 ATHN	45	1005.1	1010.1	9.1	138.7	41.0		
	1900 SLOU	46	1005.8	1008.8	6	345.0			
	1470 BERL	46	1005.5	1010.6	47	112.0	40.0		
	1415 SGMR	46	1005.4	1008.7	17.3	149.3	29.9		
	1415 SGMR	46		1010.8		106.7			
	1415 ATHN	45	1005.2	1010.2	9.1	84.5	25.4		
	930 BORD	45	1005	1010	19	130.0	8.0		
	606 SGMR	46	1005.5	1010.4	8.7	18.3	7.7		
	606 SGMR	46		1011		32.1			
	3700 SLOU	46	1006	1009	6	260.0			
	808 ONDR	45	1006	1014	18	100.0			
	536 ONDR	45	1008	1011	7	50.0			
	510 POTS	41	1008.5	1010.8U	5	70.0	2.0		
	550 KIEV	41	1009.5	1012.2	5.5	21.0			
	234 POTS	45	1013.3	1013.3	.1	500.0	150.0		
	8800 ATHN	29	1014.2	1014.2	4	13.1	3.9		
	4995 ATHN	29	1014	1014	5.5	5.9	1.8		
	2695 ATHN	29	1014.2	1014.2	2.6	9.9	3.0		
	1415 ATHN	29	1014.3	1014.3	2.3	2.9	.9		
	29 UPIC	45	1015	1020	8				
	4995 SGMR	29	1018.3	1018.3	27.7U	29.5	11.8U		
	2695 ATHN	1	1019.5	1019.9	.9	3.6	1.7		
	1415 ATHN	1	1019.6	1019.8	.5	8.6	2.6		
	2695 SGMR	29	1020.4	1020.4	25.6U	15.5	6.2U		
	35000 SGMR	29	1022	1022	24 U	106.2	42.5U		
	15400 SGMR	29	1022	1022	24 U	69.1	27.7U		
	1415 SGMR	29	1022.7	1022.7	23.3U	6.2	2.5U		
	8800 SGMR	29	1025.7	1025.7	13.1U	6.7	2.7U		
	221 ABST	48	1047.8	1048.2	1	22.0	7.0		
	29 UPIC	45		1055	2				
	9240 ARCE	21	1137	1156.5	130				
	8800 ATHN	3	1150.3	1156.3	17.5	15.9	4.8		
	10500 RFRN	45	1153.5	1158.1	10	15.0			
	9400 HUAN	20	1153.8	1155.8	14.9	14.4	7.0		
	4995 ATHN	20	1154.8	1156.9	11.9	3.2	1.9		

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JUL 1974	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		
7	7000 SAOP	20	1155.6		7	10.4			
	8800 ATHN	45	1211.4	1220.2	17.6	69.0	20.7		
	10700 PENN	45	1214.6	1220.1	18	62.6	19.0		
	10500 BERN	45	1215.3	1219.9	15	59.0			
	10500 BERN			1222.8		45.0			
	9400 HUAN	45	1215.8	1220.1	15.1	58.8	20.4		
	15400 SGMR	4	1216.4	1220.2	22.8	55.7	16.7		
	9500 BERL	46	1216	1220	20	55.0	17.0		
	9240 ARCE	4	1216.7	1220.3	16				
	8800 SGMR	4	1216.3	1220.1	15.8	71.8	22.8		
	7000 SAOP	20	1216.3		17.2	53.4			
	4995 SGMR	46	1216.3	1221.9	20.7	56.2	12.6		
	4995 SGMR	46		1224.6		63.0			
	4995 ATHN	4	1216.5	1224.7	16	53.0	15.9		
	2800 OTTA	21	1216	1257	95	10.2	5.0		
	3000 BERL	46	1218	1224.5	12	49.0	16.0		
	2800 OTTA	46	1219	1224.7	12	37.0	12.5		
	2800 OTTA		1219	1221.5	3.3	26.0			
	2800 OTTA		1223.3	1224.7	8.7	37.0			
	2695 SGMR	46	1219.4	1221.7	10	26.4	8.2		
	2695 SGMR	46		1224.7		40.9			
	510 POTS	45	1219.5	1221 U	8.5	105.0	1.0		
	2695 ATHN	4	1220.5	1224.7	8.5	35.4	10.6		
	1415 ATHN	4	1220.5	1224.8	7.2	13.9	4.2		
	930 BORD	45	1220	1221.5	8	300.0	10.0		
	606 SGMR	2	1220.8	1226	7.9	6.3	1.9		
	1470 BERL	46	1221	1224.6	9	18.0	3.9		
	1415 SGMR	4	1221.1	1224.8	7	15.4	4.6		
	960 PENN	45	1221.2	1221.6	5.4	127.0	4.3		
	410 SGMR	6	1221.2	1225.2	5.7	3.9	1.2		
	808 ONDR	45		1222	6.5	75.0			
	29 UPIC	45	1222		5.5				
	315 DWIN	45	1223.1	1223.8	2.4	375.0	50.0		
	245 SGMR	6	1223.7	1224.8	4.5	26.5	8.0		
	234 POTS	45	1225.5	1225.5	.1	100.0	25.0		
	113 POTS	45	1225.4	1225.4	.2	350.0	20.0		
	3000 BERL	20	1240	1300	70	11.0			
	9500 BERL	20	1247	1305	58	8.2			
	1470 BERL	20	1248	1301.5	59	3.5			
	18 MCMA	6	1402	1404	3			1	
	4995 BOUL	3	1451.5	1453	3	10.0	4.0		
	4995 SGMR	2	1451.9	1453.3	2.5	4.7	1.4		
	8800 SGMR	1	1452.2	1453	1.7	4.2	1.3		
	2800 OTTA	1	1452	1453.5	3	1.2	0.6		
	2695 SGMR	1	1452.1	1453.5	2.9	1.6	.5		
	2800 OTTA	26	1500	1540	85	-8.6	-4.3		
	8800 SGMR	3	1512.8	1513.8	13.8	11.3	3.4		
	8800 ATHN	3	1512.6	1513.7	3	12.4	3.7		
	7000 SAOP	3	1512.5	1513.7	15.2	12.1	6.0		
	4995 BOUL	8	1512	1513.5	6.5	20.0	6.0		
	4995 SGMR	22	1512.6	1513.6	20.6	9.0	2.7		
	2800 OTTA	1	1512.5	1513.5	5	2.2	1.1		
	2695 SGMR	1	1512.7	1513.6	6.5	1.2	.4		
	2695 ATHN	3	1512.6	1513.7	4.1	12.7	3.8		
	18 MCMA	42	1609	1617	9			1	
	18 BOUL	6	1611	1613	3			1	
	2800 OTTA	23	1625	1918	275	9.0	4.5		
	7000 SAOP	20	1653.2		7.8	9.1			
	4995 BOUL	45	1713	1722.5	13	14.0	5.0		
	10700 PENN	1	1717	1718.7	3	9.0	3.6		
	8800 PALE	4	1717.8	1718.2	2.5	25.9	2.3		
	7000 SAOP	3	1717.3		26	14.6	7.3		
	8800 SGMR	22	1820.2	1831.8	29.2	8.8	5.3		
	4995 SGMR	22	1820.1	1830.5	28.4	10.1	6.1		
	7000 SAOP	20	1822.9		22.4	16.6			
	2695 SGMR	20	1826	1839.5	20.6	3.4	2.0		
	15400 SGMR	22	1828.5	1841.3	21.2	12.4	7.4		
	18 BOUL	6	1841	1844	3			1	
	18 MCMA	6	1843	1846	4			1	
	100 HIRA	45	2046.5	2046.8	1	160.0	40.0		
	18 MCMA	42	2047	2048	3			1	
	2695 SGMR	22	2102.8	2117.4	33.8	7.4	3.0		
	2800 OTTA	21	2105	2140	75	4.8	2.4		
	4995 SGMR	22	2108.5	2117.4	31.3	24.8	9.9		
	8800 SGMR	22	2114	2117.5	35.7	17.6	7.1		
	8800 PALE	22	2114.5	2117.2	98.2	22.1	10.6		
	4995 BOUL	45	2115.5	2117	9.5	18.0	5.0		
	4995 BOUL	45	2115.5	2118	9.5	18.0	5.0		
	2800 OTTA	2	2115	2117.2	6.5	5.8	2.9		
	2695 BOUL	45	2116.5	2119	7.5	7.0	2.0		
	18 MCMA	41	2212	2216	8			1	
	2695 PENT	8	2340.2	2340.3	.5	3.4	1.7		
	100 HIRA	45	2340	2340.9	2	1000.00	500.00		
	18 MCMA	6	2342	2343	2			1	
R	2000 TYKW	45	0130	0245	210	6.0	3.0		
	9400 TYKW	5	0140	0250	200	16.0	8.0		
	3750 TYKW	45	0140	0250	200	8.0	4.0		
	2695 PENT	20	0140	0145	12 D	5.6			
	100 GORK	6	0339.2	0339.3	.2	50.00			

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JUL 1974	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	100 HIRA	45	0349.6	0349.8	1	1000.00	500.00		
	100 GORK	41	0349.6	0350 U	2.3	50.00			
	100 GORK		0349.6	0351.1U		50.00			
	100 HIRA	45	0350.7	0351	1	1000.0	300.0		
	100 GORK	41	0508.3	0508.9	4.7	50.00			
	100 GORK		0508.3	0512.8		50.0			
	234 POTS	45	0612	0612	.1	160.0	40.0		
	113 POTS	45	0612	0612.1	.5	14000.0	2000.0		
	100 HIRA	45	0612	0612.2	1	1000.00	200.00		
	100 GORK	5	0612.1	0612.5U	1	50.00			
	1415 MANI	4	0623.9	0625.2	2.1	14.1	2.3		
	606 MANI	40	0623	0625.3	5.3	7.7	1.5		
	100 GORK	42	0626.6	0626.9U	32.1	60.00			
	100 GORK		0626.6	0631.3		60.00			
	100 GORK		0626.6	0633		60.00			
	100 GORK		0626.6	0642.3		60.00			
	100 GORK		0626.6	0652		60.00			
	100 GORK		0626.6	0656.4		50.0			
	3100 CRIM	20	0630	0730	82	3.0	1.0		
	113 POTS	40	0632.7	0632.7	.2	2000.0	160.0		
	100 HIRA	45	0632.5	0632.8	1	800.0	100.0		
	260 ONDR	44	0640	0801	510	100.0			
	410 SGMR	44	0918	1902.4	900 D	38.2			
	245 SGMR	44	0918	1954.9	900 D	138.9			
	100 GORK	43	1042		138		5.0		
	200 GORK	43	1196		120		10.0		
	234 POTS	45	0651.8	0651.9	.1	200.0	50.0		
	113 POTS	40	0651.6	0651.9	.5	800.0	100.0		
	234 POTS	41	0758.1	0800	3.2	500.0	12.0		
	221 ABST	6	0758.2	0758.2	.8	4.0			
	200 HIRA	45	0758		1	180.00	60.00		
	200 HIRA	45	0758		1	180.00	60.00		
	113 POTS	40	0758.2	0800.8	3.3	10000.0	500.0		
	100 HIRA	45	0758.2	0758.5	1.2	1000.00	200.00		
	100 GORK	41	0758.2	0758.6U	3.4	60.00			
	100 GORK		0758.2	0801.4U		60.00			
	1470 BERL	1	0800.5	0800.6	.7	4.7	1.2		
	221 ARST	6	0800	0800.5	1	4.0			
	100 HIRA	1 4	0801 U	0801 U	1	5 20.0	1 5.0	1	
	29 UPIC	45	0801	0801.5	1				
	100 GORK	6	0857	0857.2	.4	60.0	30.0		
	100 GORK	41	0910.8	0912.2	3.5	60.0			
	100 GORK		0910.8	0913		55.0			
	113 POTS	45	0923.7	0923.8	.6	1800.0	250.0		
	100 HIRA	45	0923.7	0923.8	1	1000.00	400.00		
	100 GORK	6	0923.7	0924 U	.8	60.00			
	29 UPIC	45	0924	0924.5	1				
	100 GORK	41	0939	0939.1	8.1	60.0			
	100 GORK		0939	0946.4		60.00			
	3100 CRIM	24	0942	1025		7.0			
	234 POTS	45	0945	0945.1	.3	100.0	20.0		
	113 POTS	45	0946.2	0946.3	.3	175.0	10.0		
	29 UPIC	45	0946	0946.5	1				
	9240 ARCE	25	1017		100				
	9100 GORK	20	1018	1023.2	30	7.7	3.8		
	9500 BERL	3	1020.5	1020.7	11 U	11.0	4.0		
	9240 ARCE	1	1020.6	1021	1.6				
	9100 GORK	1	1020.5	1021	2.5	11.5	6.0		
	3100 CRIM	1	1020	1021	2	3.0	1.0		
	3000 BERL	1	1020.5	1020.7	6.5	3.8	2.0		
	1470 BERL	1	1020.5	1020.9	.8	2.0	0.8		
	200 GORK	6	1137	1137.7	1.7	70.0	35.0		
	234 POTS	40	1143.4	1143.5	.5	100.0	2.0		
	113 POTS	45	1143.5	1143.5	1.4	600.0	20.0		
	550 KIFV	41	1152.9	1230.5	42.5	118.00			
	9500 BERL	20	1225	1231	21	4.0			
	3000 BERL	1	1229	1230	4	3.2	0.7		
	100 GORK	6	1258.8	1259.4	1.2	60.00			
	8800 ATHN	28	1305.8	1314.1	8.3	7.0	2.1		
	4995 ATHN	28	1309.2	1314.2	5	6.2	1.8		
	2800 OTTA	20	1310	1330	80	2.4	1.2		
	10500 BERN	3	1312.6	1316.6	6.5	21.0			
	9500 BERL	23	1312	1316	20	18.0	4.0		
	9400 HUAN	3	1312.8	1316.3	12	22.8	6.0		
	9240 ARCE	20	1312.6	1316.5	23				
	10700 PENN	3	1313.7	1316.4	9.8	17.3	3.5		
	8800 SGMR	4	1313.7	1316	11.8	22.7	6.8		
	7000 SAOP	21	1313.6		27.3	25.6			
	15400 SGMR	4	1314.8	1316.3	2.7	12.8	3.8		
	8800 ATHN	3	1314.1	1316.2	6.3	20.9	6.3		
	4995 ATHN	1	1314.2	1316.3	3.4	8.2	2.4		
	3000 BERL	22	1314	1316	43	3.2			
	4995 SGMR	1	1315.6	1316.2	1.6	6.4	2.6		
	2695 SGMR	1	1315.9	1316.3	3.4	1.9	.7		
	1470 BERL	1	1315.5	1316.4	1.1	1.6			
	4995 ROUL	3	1316	1316.5	1.5	9.0	3.0		
	7000 SAOP	1	1317.1	1317.9	1.2	20.2			
	113 POTS	45	1323	1323.2	.5	200.0	7.0		
	7000 SAOP	3	1345.7		28.2	18.3	9.1		
	8800 ATHN	1	1354.3	1354.7	1.4	5.2	1.6		

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JUL 1974	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	3000 BERL	22	1400	1403.2	25	3.8	1.3	1	
	9500 BERL	22	1402.4	1404.3	28	12.0	2.7		
	9400 HUAN	22	1402.8	1405.5	4.9	18.8	5.6		
	8800 ATHN	40	1402.6	1405.6	4.7	10.4	3.1		
	4995 ATHN	40	1402.6	1403.6	5.3	3.1	.9		
	930 BORD	45	1402	1402.9	2	118.0	2.0		
	9240 ARCE	2	1403.2	1404.5	3				
	113 POTS	40	1426.7	1426.7	1.2	200.0	3.0		
	18 MCMA	6	1440	1443	6				
	10500 RFRN	3	1538.4	1540.8	13	300.0			
	8800 ATHN	4	1538.8	1540.6	2.8	387.0	232.0		
	4995 ROUL	8	1538.5	1541	2	167.0	64.0		
	960 PENN	45	1538.5	1540.6	5.9	135.0	3.4		
	15400 SGMR	4	1539.3	1540.5	3.7	299.0	89.7		
	10700 PENN	3	1539.4	1540.6	4.2	298.0	51.6		
	9400 HUAN	3	1539.1	1540.4	2.5	321.2	81.1		
	9240 ARCE	3	1539.1	1540.5	5.5				
	8800 SGMR	3	1539.1	1540.5	4.3	395.0	118.5		
	4995 SGMR	3	1539.3	1540.5	4.2	228.0	68.4		
	4995 ATHN	4	1539.3	1540.6	2.3	193.0	11.6		
	2800 OTTA	3	1539.8	1540.7	6	192.0	25.0		
	2695 SGMR	3	1539.8	1540.5	3.9	153.0	45.9		
	2695 ATHN	4	1539.7	1540.7	1.9	258.0	156.0		
	1415 SGMR	4	1539.7	1540.5	3.3	121.0	36.3		
	1415 ATHN	4	1539.8	1540.6	1.5	128.0	74.8		
	930 BORD	45	1539	1540.4	6	380.0	7.0		
	3700 SLOU	3	1540	1540.5	.7	140.0			
	2695 ROUL	45	1540	1541.5	13.5	80.0	22.0		
	1900 SLOU	3	1540	1540.8	2	309.0			
	1420 ROUL	45	1540	1542	18	49.0	15.0		
	606 SGMR	4	1540.3	1540.5	2.7	111.0	33.3		
	9400 HUAN	29	1541.6	1541.6	7.8	28.2	13.9		
	8800 ATHN	29	1541.6	1541.6	9.4	29.6	8.9		
	4995 ATHN	29	1541.6	1541.6	6.7	23.7	7.1		
	2695 ATHN	29	1541.6	1541.6	3.2	32.7	9.8		
	1415 ATHN	29	1541.3	1541.3	3	16.0	4.8		
	410 SGMR	6	1542	1542.6	1.3	22.7	6.8		
	15400 SGMR	29	1543	1543	85	23.0	9.2		
	10700 PENN	29	1543.6	1543.6	11.2	9.0	4.8		
	8800 SGMR	29	1543.4	1543.4	57.7	10.9	4.4		
	4995 SGMR	29	1543.5	1543.5	86	12.4	5.0		
	2695 SGMR	29	1543.7	1543.7	95.7	9.3	3.7		
	1415 SGMR	29	1543	1543	13.4	4.4	1.8		
	9240 ARCE	29	1544.6		100				
	2800 OTTA	30	1545.8	1545.8	180	4.8	3.0		
	2800 OTTA	1	1549.5	1550	1	1.4	0.7		
	7000 SAOP	3	1552.3	1542.3	6.6	391.9	92.2		
	4995 ROUL	3	1623	1624.5	2.5	9.0	3.0		
	2800 OTTA	1	1634.5	1634.9	1	2.0	1.0		
	930 BORD	45	1634	1634.5	1	380.0	10.0		
	2800 OTTA	8	1640	1640.3	2	38.0			
	18 MCMA	41	1745	1749	7				
	8800 SGMR	4	1853.3	1859.2	8.8	12.3	3.7		
	18 ROUL	6	1855	1857	5				
	4995 SGMR	2	1857.8	1859.2	2.2	8.4	3.4		
	2800 OTTA	2	1857	1859	3	3.4	1.5		
	2695 SGMR	2	1857.9	1859.3	1.9	2.8	1.1		
	18 MCMA	6	1858	1900	3				
	2695 ROUL	3	1859.5	1901	2.5	5.0	2.0		
	10700 PENN	1	1922.6	1923.2	3.2	8.4	3.2		
	200 HIRA	45	1954.5	1954.8U	1	180.0D	100.0D		
	100 HIRA	45	1954.4	1954.7	1.5	1000.0D	150.0D		
	100 HIRA	45	1957.4	1957.5	1.3	350.0	100.0		
	18 MCMA	42	1958	1959	4				
	15400 SGMR	3	2143.8	2144.6	2.7	46.1	13.8		
	245 SGMR	7	2143.2	2143.3	.4	379.0	151.0		
	200 HIRA	45	2143	2143.3	1	180.0D	60.0D		
	10700 PENN	3	2144.5	2144.7	9.7	58.1	6.3		
	9400 TYKW	5	2144	2144.7	2	45.0	13.0		
	9400 HUAN	3	2144.3	2144.6	.9	47.0	16.7		
	8800 SGMR	3	2144.4	2144.6	3	38.2	15.3		
	8800 PALE	3	2144.2	2144.5	5.1	730.0	220.0		
	4995 SGMR	1	2144.4	2144.6	1.1	4.4	1.3		
	2000 TYKW	5	2144	2144.7	2	4.0	1.0		
	1415 SGMR	1	2144.5	2144.6	.9	8.6	2.6		
	1415 PALE	3	2144.3	2144.5	5.2	5.0	1.5		
	1000 TYKW	5	2144	2144.7	1.5	99.0	20.0		
	960 PENN	8	2144.5	2144.6	.3	170.0			
	9400 HUAN	29	2145.2	2145.2	4.1	9.4	3.7		
	9400 TYKW	29	2146		12	7.0	3.0		
	8800 PALE	4	2218	2224.6	26.8	168.5	50.6		
	8800 SGMR	4	2221.5	2224.9	9	99.2	29.8		
	4995 SGMR	4	2222.5	2224.9	7.9	53.2	16.0		
	10700 PENN	45	2223.5	2224.9	6.9	127.0	39.7		
	8800 MANI	4	2223.7	2224.9	5.5	133.0	54.0		
	4995 ROUL	21	2223		21	65.0	18.0		
	4995 MANI	4	2223.7	2225	4.9	68.0	18.2		
	2930 VORO	3	2223.5	2224.4	5.2	39.0			
	2695 MANI	4	2223.7	2225	4.3	31.8	5.2		
	1415 MANI	4	2223.7	2225.3	3.1	13.4	4.2		

SOLAR RADIO EMISSION
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JUL 1974	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		
	15400 SGMR	46	2224.2	2225	6.4	73.2	22.0		
	15400 SGMR	46		2225.3		71.9			
	9400 TYKW	45	2224	2224.9	7	100.0	30.0		
	9400 HUAN	4	2224	2225.1	1.8	141.1	55.8		
	3750 TYKW	45	2224	2225	7	44.0	12.0		
	2800 OTTA	4	2224	2225	5	36.0	9.0		
	2695 BOUL	21	2224	2225.5	80.5	32.0	3.0		
	2695 SGMR	4	2224.4	2225.1	4.1	27.6	8.3		
	2000 TYKW	45	2224	2225	6	33.0	8.0		
	1420 ROUL	3	2224.5	2225	4	6.0	2.0		
	1415 SGMR	4	2224.7	2224.8	4.2	13.2	4.0		
	1415 PALE	4	2224.2	2225.2	20.6	55.4	11.1		
	1000 TYKW	45	2224	2224.9	2	103.0	12.0		
	960 PENN	45	2224.4	2224.7	1.8	62.0	2.2		
	2800 OTTA	29	2229	2229	90	4.8	2.6		
	10700 PFNN	29	2230.4	2230.4	35.2	20.5	10.2		
	2000 TYKW	29	2230		30	1.3	0.6		
	9400 TYKW	29	2231		70	12.0	5.0		
	3750 TYKW	29	2231		70	5.0	2.0		
9	100 HIRA	45	0007.5	0008	1.5	1000.00	200.00		
	9400 TYKW	5	0112	0114	25	6.0	3.0		
	8800 PALE	20	0112.3	0113.8	16.9	9.9	5.9		
	3750 TYKW	5	0112	0114	25	4.0	1.0		
	2695 ROUL	3	0114	0115.5	3	3.0	1.0		
	1415 MANI	4	0146.5U	0150.5U	12.5U	14.1U	4.9U		WX
	8800 PALF	4	0147.6	0149.3	26.2	199.3	59.8		
	9400 TYKW	45	0148	0149.3	10	148.0	45.0		
	9300 IRKU	3	0148	0149.5	13	132.0			
	8800 MANI	4	0148.5U	0149.5U	4.7U	63.0U	22.3U		WX
	4995 MANI	4	0148 U	0149.5U	7.6U	47.4U	13.6U		WX
	3750 TYKW	45	0148	0149.6	12	55.0	15.0		
	2930 VORO		0148	0150.5	77	42.0			
	2695 MANI	4	0148 U	0150 U	9 U	22.3U	7.8U		WX
	2695 PENT	4	0148	0150	4	32.0	16.0		
	2000 TYKW	45	0148	0148.9	12	23.0	5.0		
	1415 PALE	4	0149.3	0150.3	27.7	17.2	5.2		
	1000 TYKW	45	0152	0154	4	4.0	1.0		
	9400 TYKW	29	0158		100	20.0	7.0		
	3750 TYKW	29	0200		100	8.0	3.0		
	2000 TYKW	29	0200		70	3.0	1.0		
	100 HIRA	45	0255.5	0256.6	4	400.0	100.0		
	1000 TYKW	45	0257	0258.2	3	4.0	1.0		
	200 GORK	44	0300 E		600 D		10.0		
	100 GORK	44	0300		60		5.0		
	260 ONDR	44	0636	1352.5	514	120.0			
	221 ARST	44	0700	1052.2	240	9.0			
	100 GORK	44	0800		300		5.0		
	410 SGMR	44	0919 F	1043.3	899 D	27.2			
	245 SGMR	44	0919 F	1330.4	899 D	46.8			
	200 HIRA	44	1940 E	0048	830 D	80.0	15.0		
	1000 TYKW	45	0302	0304	3	23.0	2.0		
	606 MANI	40	0302.3	0303.9	2.4	62.0	6.7		
	650 GORK	2	0319	0319.3	3	6.0	3.0		
	8800 MANI	4	0517.1U	0523.5U	12.9U	24.2U	5.6U		WX
	606 MANI	4	0518.8U	0520.7U	7 U	11.7U	2.7U		
	4995 MANI	2	0519.4U	0520.4U	7 U	5.7U	1.1U		WX
	2695 MANI	4	0519.5U	0520.9U	6 U	11.6U	1.9U		WX
	2695 ATHN	1	0519.7	0520.9	5.6	9.3	3.6		
	1415 MANI	2	0519.5U	0520.9U	6 U	5.2U	1.9U		WX
	9400 TYKW	45	0520	0523.4	5	10.0	2.0		
	8800 ATHN	1	0520.2	0523.6	6.7	3.4	1.0		
	4995 ATHN	1	0520.1	0520.7	6.9	3.2	1.0		
	3750 TYKW	45	0520	0520.9	5	8.0	2.0		
	3100 CRIM	40	0520	0521	40	8.0	3.0		
	2000 TYKW	45	0520	0520.3	5	24.0	3.0		
	1415 ATHN	1	0520.1	0523.6	4.7	5.0	1.5		
	1000 TYKW	45	0520	0523.8	6	5.0	1.0		
	100 HIRA	45	0520	0520.6	2.5	1000.00	500.00		
	29 UPIC	45	0520	0522.5	4.5				
	3100 CRIM		0522	0524		4.0	1.0		
	200 HIRA	45	0523		1	180.00	160.00		
	100 HIRA	45	0523	0523.5	2	1000.0	200.0		
	9400 TYKW	5	0528	0528.9	3	10.0	2.0		
	8800 ATHN	3	0528.3	0528.9	2	10.3	6.0		
	3100 CRIM		0528	0529		5.0	2.0		
	9400 TYKW	45	0538.5	0541.6	4	12.0	4.0		
	8800 ATHN	3	0538.3	0539	4.4	10.3	6.0		
	3750 TYKW	45	0538	0541.6	5	3.0	1.0		
	1000 TYKW	45	0538	0541.1	4	72.0	5.0		
	3100 CRIM		0540	0542		2.0	1.0		
	950 GORK	46	0540.6	0541.1	1.6	63.0			
	950 GORK		0540.6	0541.6		68.0			
	2000 TYKW	5	0541	0541.7	1.5	2.0	1.0		
	3100 CRIM		0550	0553		4.0	1.0		
	100 HIRA	45	0620	0620.3	1.5	850.0	100.0		
	100 HIRA	45	0621.7	0622.1	1	70.0	20.0		
	200 GORK	6	0638.4	0639.3	2.7	120.0			
	200 HIRA	45	0639	0639.4	2	130.0	60.0		
	6100 KISV	3	0708	0715.1	11	7.0			

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JUL 1974	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	9500 BERL	22	0712	0715	23	8.3			
	9400 TYKW	5	0713	0715	30	8.0	3.0		
	9100 GORK	1	0713.5	0715.5	2.8	6.7	3.3		
	3750 TYKW	5	0713	0715	10	2.0	1.0		
	2695 MANI	2	0713.4U	0714.3U	1.3U	7.8U	1.0U		
	1415 MANI	1	0713.8U	0714.3U	1.4U	2.8U	.5U		
	606 MANI	4	0713.7U	0714.2U	1.1U	13.3U	3.2U		
	6100 KISV	40	0722.5	0727.2	8	3.0			
	550 KIFV	24	0753.5	0819.5	38	29.0			
	3100 CRIM	45	0822	0826	9	4.0	1.0		
	3100 CRIM		0822	0827		4.0	1.0		
	9100 GORK	22	0824	0827	11	9.5	4.7		
	950 GORK	1	0824.3	0824.3	.3	4.4	2.2		
	536 ONDR	45	0824	0827	6	50.0			
	8800 ATHN	2	0826.6	0828.6	3.6	10.3	3.1		
	4995 ATHN	1	0826.8	0828.7	2.7	5.3	1.6		
	2695 ATHN	1	0826.9	0828.7	2.5	1.9	.6		
	930 BORD	41	0826	0828.6	3	35.0	2.0		
	808 ONDR	45	0826	0826	1.5	70.0			
	950 GORK	4	0828.4	0828.7	.6	18.0	10.0		
	550 KIFV	6	0832.2	0836	6.5	27.0			
	1470 BERL	3	0842.5	0842.9	.8	5.6	1.7		
	536 ONDR	45	0910	0919	10	145.0			
	510 POTS	40	0917.8	0918.5U	2.7	140.0	7.0		
	3000 BERL	1	0918.4	0918.7	1.1	2.5			
	2695 MANI	1	0918.4U	0918.8U	.9U	4.9U	1.0U		
	1470 BERL	3	0918.3	0918.7	.7	11.0	3.3		
	1415 MANI	1	0918.4U	0918.8U	1 U	9.9U	2.4U		
	950 GORK	3	0918.8	0919	.5	9.0	4.0		
	930 BORD	45	0918	0918.8	2	9.0	2.0		
	650 GORK	1	0918.6	0918.9	.7	2.6	1.3		
	606 MANI	8	0918.4U	0918.7U	.9U	34.4U	5.3U		
	100 GORK	6	0955.8	0956	.5	40.0	20.0		
	100 GORK	6	1017.2	1017.3	1	35.0	15.0		
	100 GORK	41	1045.1	1045.6	1.6	40.0			
	100 GORK		1045.1	1046.3		40.0			
	113 POTS	45	1105.9	1106.1	.4	600.0	150.0		
	100 GORK	6	1107.2	1108.5	1.6	90.0			
	100 GORK	6	1113.7	1113.8	.3	40.0	20.0		
	6100 KISV	3	1134.2	1136	6	36.0			
	15400 SGMR	3	1135.5	1136	1.6	42.2	12.7		
	10500 BERN	3	1135.3	1136	5	49.0			
	9500 BERL	45	1135	1136	12	41.0	14.0		
	9240 ARCE	3	1135.8	1136.3	3.6				
	8800 SGMR	45	1135.1	1136.1	12.4	54.2	16.3		
	8800 SGMR	45		1142.6		29.4			
	8800 ATHN	46	1135.4	1136.2	12.8	49.6	9.9		
	4995 SGMR	45	1135.1	1136.1	13.1	54.1	16.2		
	4995 SGMR	45		1142.9		22.1			
	4995 ATHN	45	1135.5	1136.2	17.6	47.3	9.5		
	3100 CRIM	45	1135	1136	17	46.0	15.0		
	3100 CRIM		1135	1142		50.0	17.0		
	3000 BERL	45	1135	1143	20	115.0	25.0		
	2800 OTTA	45	1135.8	1143	17	55.0	12.2		
	2800 OTTA		1135.8	1136.2	6.2	45.0			
	2800 OTTA		1142	1143	10.8	55.0			
	2700 PENN	3	1135.4	1136.2	4.6	32.3	12.3		
	2695 SGMR	45	1135.6	1136.2	14.4	50.2	18.3		
	2695 SGMR	45		1142.8		61.1			
	2695 ATHN	45	1135.5	1142.9	16.8	58.2	11.6		
	1470 BERL	45	1135.5	1143.2	26	35.0	12.0		
	1415 SGMR	45	1135.6	1136.2	17.7	22.9	9.8		
	1415 SGMR	45		1143.1		32.6			
	1415 ATHN	45	1135.5	1143	16.8	29.0	5.8		
	960 PENN	45	1135.8	1136	1	166.0	50.5		
	950 GORK		1135.7E	1135.8U	2.10				
	930 BORD	45	1135	1136	13	322.0	12.0		
	808 ONDR	45	1135.5	1135.5	1	165.0			
	650 GORK	41	1135.6	1135.9	7.5	200.0D			
	650 GORK		1135.6	1142		200.0D			
	606 SGMR	47	1135.4	1135.8	8.9	219.0	107.0		
	606 SGMR	47		1141.9		3560.0			
	536 ONDR	45	1135	1136	2	90.0			
	100 GORK	6	1135.2	1135.8	1.3	20.0	10.0		
	960 PENN	29	1136.8	1136.8	17	4.2	2.1		
	10500 BERN	3	1140.9	1142.6	7	25.0			
	2700 PENN	29	1140	1140	20.8	4.5	2.2		
	2700 PENN	28	1140.8	1140.9	1.2	4.5	3.9		
	6100 KISV	3	1141	1142.3	7	27.0			
	808 ONDR	45	1141.5	1142.5	7	115.0			
	536 ONDR	45	1141.5	1142	2.5	95.0			
	9240 ARCE	3	1142	1143.1	5.5				
	2700 PENN	3	1142	1143	7.2	40.4	13.1		
	960 PENN	45	1142	1142.6	4.8	44.1	10.9		
	950 GORK	3	1145	1145.7	6.7	78.0	22.0		
	100 GORK	41	1156	1156.8	4.2	25.0			
	100 GORK		1156	1159.8		800.0			
	113 POTS	45	1159	1159.4	1.6	600.0	60.0		
	29 UPIC	45	1159		2.5				
	18 MCMA	6	1159	1200	3				

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JULY 1974

JUL 1974	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		
9	650 GORK	3	1201.9	1202	1	8.6	4.3	2	
	9240 ARCE	21	1214.6	1227.8	31				
	15400 SGMR	3	1221.7	1222	2.6	27.5	8.2		
	10500 BERN	3	1221.5	1221.9	2	28.0			
	9500 BERL	3	1221.5	1222	2.5	25.0	8.2		
	9400 HUAN	1	1221.6	1222	1.5	37.2	15.2		
	9240 ARCE	3	1221.8	1222.3	2.8				
	8800 SGMR	3	1221.6	1222	2.2	30.2	9.1		
	8800 ATHN	3	1221.7	1222	8.8	31.9	9.6		
	4995 SGMR	3	1221.5	1222.1	2.7	13.5	4.1		
	4995 ATHN	46	1221.6	1222	10	12.6	2.5		
	3100 CRIM	1	1221	1222	3	5.0	2.0		
	3000 BERL	3	1221.5	1222	3.5	8.1	2.5		
	2800 OTTA	1	1221.8	1222	3	5.6	2.0		
	2700 PFNN	1	1221.5	1222.2	4	3.6	1.8		
	2695 SGMR	1	1221.7	1222.3	3.4	6.1	1.8		
	2695 ATHN	1	1221.6	1222.5	3.9	3.6	1.1		
	1470 BERL	1	1221.5	1222	2	2.6	0.7		
	1415 SGMR	1	1221	1222.1	3.2	3.1	.5		
	960 PENN	45	1221.5	1221.7	.8	15.3	1.3		
	7000 SAOP	3	1222	1224.6	1.3	33.1	16.5		
	7000 SAOP	29	1225.2		3.7	5.8			
	245 BOUL	42	1257	1334	78				
	1470 BERL	1	1333.5	1333.8	.5	4.0			
	510 POTS	40	1334.5	1335.1U	1 U	30.0	2.0		
	234 POTS	43	1334.7	1335.4	.8	180.0	15.0		
	960 PENN	45	1352.7	1356.6	10.7	56.6	8.1		
	536 ONDR	45	1352	1356	8	95.0			
	510 POTS	40	1352	1356 U	6 U	150.0	5.0		
	410 SGMR	6	1352.9	1353.1	5.5	82.8	24.8		
	10700 PENN	3	1353.2	1356.7	6.4	60.0	11.3		
	10500 BERN	4	1354.1	1356.4	5	60.0			
	808 ONDR	45	1354	1356.5	6	125.0			
	15400 SGMR	4	1355.6	1356.8	5.1	61.6	18.5		
	9500 BERL	4	1355	1356.4	4	52.0	18.0		
	9400 HUAN	4	1355.8	1356.7	2.8	69.8	24.3		
	8800 SGMR	4	1355.6	1356.6	5.1	58.0	17.4		
	8800 ATHN	46	1355.7	1356.7	3.3	58.4	17.5		
	4995 BOUL	45	1355	1358.5	5.5	497.0	194.0		
	4995 SGMR	47	1355.8	1357.5	4	633.0	18.3		
	4995 ATHN	47	1355.5	1357.6	7	650.0	195.0		
	3000 BERL	4	1355	1357.5	5	174.0	31.0		
	2700 PENN	45	1355.6	1357.5	3.4	97.0	13.2		
	2695 SGMR	46	1355.7	1356.7	4.8	38.4	33.6		
	2695 SGMR	46		1357.6		112.0			
	2695 ATHN	46	1355.6	1357.6	3.9	109.2	32.8		
	1470 BERL	4	1355.5	1356.9	4.5	59.0	20.0		
	1415 SGMR	46	1355.7	1356.6	4.8	71.5	21.5		
	1415 SGMR	46		1357.6		38.2			
	1415 ATHN	46	1355.6	1356.7	3.7	61.5	18.5		
	606 SGMR	4	1355.8	1357.2	3.3	80.0	24.0		
	18 MCNA	6	1355	1358	5				
	9240 ARCE	4	1356	1356.8	4				
	2800 OTTA	3A	1356	1357	4	37.0	15.0		
	1420 BOUL	45	1356	1357	9.5	47.0	16.0		
	113 POTS	45	1356	1357	2.3	35000.0	1000.0		
	29 UPIC	45	1356	1357	3				
	2800 OTTA	8	1357.8	1357.8		143.0D			
	2695 BOUL	45	1357	1359	6.5	56.0	22.0		
	2700 PFNN	29	1359	1359	22	3.6	1.8		
	7000 SAOP	45	1400.8	1401.4	2.4	72.1	41.1		
	15400 SGMR	3	1446.9	1447.2	1.6	33.5	10.1		
	10700 PENN	45	1446.7	1447.4	5.2	47.8	6.1		
	10500 BERN	4	1446.8	1447.2	4	50.0			
	8800 SGMR	45	1446.9	1447.2	3.7	48.7	14.6		
	8800 SGMR	45		1448		21.8			
	8800 ATHN	45	1446.8	1447.4	7.7	51.3	15.4		
	1415 SGMR	45	1446.8	1447.2	3.4	9.1	1.8		
	1415 SGMR	45		1448		9.1			
	234 POTS	45	1447.2	1447.2	.2	175.0	30.0		
	9500 BERL	4	1447	1447.2	3	39.0	9.5		
	9400 HUAN	4	1447	1447.4	3.2	60.5	14.0		
	9240 ARCE	4	1447.3	1447.5	3.5				
	7000 SAOP	45	1447.1	1447.4	2.5	38.1	19.0		
	4995 BOUL	45	1447.5	1448	4	13.0	3.0		
	4995 SGMR	45	1447.1	1447.2	3.6	9.4	1.9		
	4995 SGMR	45		1448		7.8			
	4995 ATHN	45	1447	1447.3	3.6	8.4	2.5		
	3000 BERL	4	1447	1448	3	6.2	1.9		
	2800 OTTA	45	1447	1448	4	5.4	1.8		
	2700 PENN	45	1447	1448.2	3.3	3.6	1.3		
	2695 SGMR	45	1447.1	1447.5	2.4	5.1	1.2		
	2695 SGMR	45		1448.3		5.8			
	2695 ATHN	45	1447	1447.4	2.6	5.5	1.7		
	1470 BERL	4	1447	1448	4	8.5	2.3		
	1420 BOUL	45	1447.5	1448.5	7.5	6.0	2.0		
	1415 ATHN	45	1447	1448	4.1	11.6	3.5		
	960 PENN	45	1447	1448.1	2.8	5.0	0.9		
	930 RORD	45	1447	1448	3	10.0	2.0		
	606 SGMR	45	1447.2	1448	1.3	53.9	16.2		

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JUL 1974	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	606 SGMR	45		1448.3		35.9			
	510 POTS	45	1447.1	1447.2	.1	100.0	25.0		
	410 SGMR	6	1447.2	1447.3	1.4	109.0	32.8		
	245 SGMR	6	1447.2	1447.3	1.4	144.0	43.3		
	113 POTS	45	1447.3	1447.4	.3	200.0	40.0		
	2695 ROUL	45	1448.5	1449.5	4	5.0	2.0		
	7000 SAOP	29	1449.6		2.5	4.4			
	7000 SAOP	3	1547.7	1548.5	1	20.5	16.6		
	245 SGMR	48	1547.9	1548.4	2.1	530.0	159.0		
	10700 PENN	45	1548.4	1548.8	2	16.0	4.8		
	10500 BERN	4	1548.1	1548.7	3	22.0			
	9400 HUAN	1	1548.3	1548.7	2	24.8	7.2		
	9240 ARCE	4	1548.5	1549	3				
	8800 SGMR	4	1548.3	1548.7	3.8	21.8	6.6		
	8800 ATHN	4	1548.5	1548.8	1.8	17.7	5.3		
	7000 SAOP	29	1548.7		2.9	4.4			
	4995 ROUL	45	1548	1549	2.5	13.0	4.0		
	4995 SGMR	45	1548.3	1548.7	3.5	9.8	3.0		
	4995 SGMR	45		1549.3		9.0			
	4995 ATHN	2	1548.3	1548.8	2.2	7.4	2.2		
	2800 OTTA	45	1548.5	1549	4	10.6	2.7		
	2700 PENN	45	1548.2	1548.8	4.4	6.3	1.6		
	2695 SGMR	45	1548.4	1548.7	3.9	11.2	3.4		
	2695 SGMR	45		1549.4		9.9			
	2695 ATHN	4	1548.5	1548.8	1.8	12.7	3.8		
	1415 SGMR	45	1548.3	1548.7	3.6	14.4	4.3		
	1415 SGMR	45		1549.3		14.4			
	1415 ATHN	4	1548.5	1549.5	3	13.9	4.2		
	930 BORD	45	1548	1548.7	5	23.0	2.0		
	606 SGMR	4	1548.2	1548.7	1.4	14.3	4.3		
	410 SGMR	7	1548.2	1548.7	3.4	425.0	122.0		
	2695 ROUL	45	1549.5	1550	5.5	12.0	4.0		
	1420 ROUL	45	1549	1550	6.5	9.0	3.0		
	18 MCMA	41	1718	1719	2			1	
	15400 SGMR	4	1730.4	1732.6	10.4	34.6	10.4		
	10700 PENN	45	1730.4	1732.7	7.6	36.5	14.5		
	9400 HUAN	41	1730.4	1731	9	46.5	15.7		
	9400 HUAN		1730.4	1732.7		38.8			
	9400 HUAN		1730.4	1734.5		40.3			
	9240 ARCE	45	1730.4	1734.8	9.2				
	9240 ARCE		1730.4	1731.4	2.2				
	9240 ARCE		1730.4	1732.9	1.7				
	9240 ARCE		1730.4	1734.8	5.3				
	8800 PALE	45	1730.3	1731.1	19.8	43.9	14.4		
	8800 PALE	45		1732.5		34.4			
	8800 PALE	45		1734.3		51.1			
	7000 SAOP	45	1730	1734.7	4.9	60.0	30.0		
	4995 ROUL	45	1730	1734.5	12	56.0	10.0		
	2800 OTTA	45	1730.2	1734.5	9.8	43.0	15.2		
	2700 PENN	45	1730.2	1734.6	8.8	27.3	10.0		
	1420 ROUL	45	1730	1731	15.5	13.0	4.0		
	1415 SGMR	45	1730.7	1731.2	15	19.0	5.7		
	1415 SGMR	45		1734.5		14.2			
	1415 PALE	45	1730.8	1731.3	12.2	18.6	5.8		
	1415 PALE	45		1734.4		9.7			
	960 PFNN	45	1730.6	1731.3	4	8.5	2.5		
	606 SGMR	3	1730.8	1730.9	5.4	25.2	7.6		
	2695 ROUL	45	1731	1736	21	41.0	13.0		
	10700 PENN	29	1738	1738	9.4	8.1	4.1		
	2700 PENN	29	1739	1739	11	4.5	2.3		
	2800 OTTA	29	1740	1740	28	6.8	3.0		
	9400 HUAN	45	1851.4	1852.9	4.8	155.0	38.9		
	4995 ROUL	45	1851.5	1854	5.5	124.0	43.0		
	15400 SGMR	46	1852.3	1853.3	4.1	57.4	15.3		
	15400 SGMR	46		1853.9		76.5			
	10700 PENN	45	1852.4	1853.9	4.6	135.0	26.6		
	8800 SGMR	46	1852.5	1853.3	4.6	77.1	29.4		
	8800 SGMR	46		1853.9		146.8			
	8800 PALE	46	1852.5	1853.2	6.7	57.0	40.0		
	8800 PALE	46		1853.8		160.5			
	7000 SAOP	45	1852.9	1855.7	7.6	132.6	66.3		
	4995 SGMR	46	1852.4	1853.2	6.2	77.7	26.7		
	4995 SGMR	46		1854.2		133.6			
	2695 SGMR	46	1852.9	1853.3	9.7	75.0	24.1		
	2695 SGMR	46		1854.3		120.6			
	960 PENN	45	1852.6	1853.2	6	80.6	9.2		
	2800 OTTA	4	1853	1854.2	8	112.0	25.0		
	2700 PENN	45	1853	1854.3	7.6	71.3	14.4		
	1420 ROUL	45	1853	1855.5	11	219.0	47.0		
	1415 SGMR	47	1853	1853.7	9.4	344.0	223.2		
	1415 SGMR	47		1854.3		744.0			
	1415 PALE	47	1853	1854.1	10.4	650.0	49.3		
	606 SGMR	47	1853	1853.2	7.2	540.0	162.0		
	606 SGMR	47		1855.5		205.2			
	410 SGMR	6	1853.1	1856	3.9	75.2	15.0		
	2695 ROUL	45	1854	1856.5	12.5	65.0	22.0		
	2800 OTTA	21	2110		190	2.2	1.2		
	3750 TYKW	5	2337	2340	25	4.0	2.0		
	2695 PENT	20	2337	2340	15	2.4	1.2		
10	100 HIRA	27	0035	0115	90	35.0	10.0		

SOLAR RADIO EMISSION
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JULY 1974

JUL 1974	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		
10	200 GORK	44	0300 E		600 D		5.0		
	100 GORK	44	0306 F		600 D		5.0		
	260 ONDR	44	0637	1445	513	65.0			
	221 ARST	44	0835.5	0935.8	145	5.0			
	245 SGMR	44	0919 F	2326.6	898 D	61.7			
	200 HIRA	44	1935 E	0155	830 D	60.0	14.0		
	2695 ATHN	4	0406.7	0408.9	3	10.0	3.0		
	8800 ATHN	4	0407.7	0408.8	2	15.9	4.8		
	4995 ATHN	2	0407.2	0408.8	2	9.1	2.9		
	2000 TYKW	45	0407	0409	5	4.0	1.0		
	8800 PALE	4	0408.3	0408.8	4	19.0	5.7		
	1415 PALE	1	0408.6	0408.8	1.4	2.8	.8		
	650 GORK	3	0408.8	0408.9	.4	58.0	29.0		
	1470 RFRL	1	0652	0652.4	.7	2.6			
	1470 RFRL	1	0705.5	0705.8	.5	2.0			
	1470 RFRL	1	0738.7	0738.5	.8	2.3			
	100 GORK	6	0810	0810.7	1.2	40.0D			
	100 GORK	6	0821.2	0821.6	.7	40.0D			
	1470 RFRL	1	0834.3	0834.5	.7	2.3			
	3000 RFRL	2	0859.5	0900.5	2	5.1			
	2695 MANI	1	0900	0900.8	1.4	2.8	.9		
	1470 RFRL	1	0900	0900.5	1	1.6			
	1415 MANI	1	0900	0900.8	1.4	1.4	.5		
	808 ONDR	45	0900	0900	1	100.0			
	650 GORK	3	0900.2	0900.4	.6	97.0	48.0		
	606 MANI	8	0900.2	0900.3	.6	59.0	5.3		
	221 ABST	48	0922	0922.2	1	33.0	12.0		
	221 ARST	48	0935.2	0935.8	1.2	33.0	12.0		
	100 GORK	6	1136.4	1136.8	.6	40.0	20.0		
	100 GORK	6	1143.1	1143.4	.4	40.0	20.0		
	3000 RFRL	1	1321.5	1322	1.5	3.2			
	2800 OTTA	1	1321.8	1322	1	1.8	0.9		
	1470 RFRL	1	1321.5	1322	1.5	1.3			
	9500 RFRL	1	1322	1322.1	.5	4.1			
	808 ONDR	5	1322	1322	.5	60.0			
	4995 ROUL	3	1417.5	1422.5	15	9.0	4.0		
	9240 ARCE	20	1522	1627.4	133				
	2800 OTTA	21	1605	1613	65	1.0	0.5		
	2800 OTTA	1	1607.5	1609	2.5	1.2	0.6		
11	200 GORK	44	0303 E		600 D		5.0		
	100 GORK	44	0306		600 D		5.0		
	260 ONDR	44	0640	1121.5	350	45.0			
	410 SGMR	44	0920 E	1502	897 D	6.1			
	245 SGMR	44	0920 E	1858.4	897 D	29.0			
	260 ONDR	44	1230	1450	160	50.0			
	188 KIFV	44	1335 E	1630	225 D	308.0	53.0U		
	100 GORK	6	0435.4	0435.6	.5	50.0	25.0		
	100 GORK	6	0443	0443.1	.4	25.0	10.0		
	100 GORK	41	0634.8	0635	1.2	25.0			
	100 GORK		0634.8	0635.8		25.0			
	100 GORK	41	0838.8	0838.9	3	30.0			
	100 GORK		0838.8	0841.2		50.0			
	1470 RFRL	1	0913.8	0914	.4	1.7			
	100 GORK	6	0919.2	0919.3	.5	30.0			
	221 ARST	48	0925	0925.8	1.5	31.0	10.0		
	100 GORK	41	0925.7	0927	3	40.0			
	100 GORK		0925.7	0928.4		30.0			
	200 GORK	6	0942.4	0942.8	.8	110.0	55.0		
	9240 ARCE	20	1052.8	1203.8	115				
	228 HARS	5	1303	1303.5	1.5	600.0	150.0		
	29 UPIC	5	1444.5	1444.5	.5				
	29 UPIC	45	1507.5	1508	8				
12	100 GORK	44	0312		588		5.0		
	200 GORK	44	0315 F		420		10.0		
	260 ONDR	44	0636	1214.5	514	105.0			
	188 KIFV	44	0840 E		380 D	108.0U			
	245 SGMR	44	0921 E	1918.7	895 D	1228.0			
	1470 RFRL	1	0733.7	0734	.5	2.0			
	1470 RFRL	2	0735.5	0736.4	1	2.6			
	221 ABST	48	0744.8	0745.2	1.2	15.0	8.0		
	200 HIRA	45	0754	0754.6	1	100.0	60.0		
	207 IZMI	6	1018.8	1019	.7	190.0	65.0		
	100 GORK	41	1020.4	1021 U	12.7	40.0D			
	100 GORK		1020.4	1026 U		40.0D			
	100 GORK		1020.4	1030.6U		40.0D			
	207 IZMI	6	1022.5	1022.5	.5	320.0	140.0		
	207 IZMI	6	1132	1132.8	.8	210.0	70.0		
	234 POTS	40	1211	1211.2	2.4	200.0	6.0		
	228 HARS	5	1211.2	1212.5	2.5	190.0	45.0		
	1420 BOUL	3	1521.5	1523	3.5	1.0			
	2800 OTTA	1	1522.8	1523	1	1.0	0.5		
	18 MCMA	42	1614	1618	12			2	
	18 MCMA	42	2022	2023	3			1	
	18 MCMA	42	2028	2033	6			1	
	18 MCMA	42	2042	2043	12			1	
	1420 BOUL	8	2222.5	2223	1	12.0	4.0		
	18 MCMA	6	2250	2251	4			1	
13	18 MCMA	6	0001	0002	2			1	

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JUL 974	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		
14	200 GORK	44	0306 E		324		5.0		
	100 GORK	44	0306		414		5.0		
	260 ONDR	44	0640	1507	510	65.0			
	221 ABST	44	0700	1007.5	240	5.0			
	29 UPIC	45	0915	0915.5	1				
	245 SGMR	44	0922 E	1904	894 D	310.6			
	188 KIEV	44	1000 F		300 D	120.0	17.0		
	221 ABST	6	1006.8	1007.5	.8	24.0			
	410 SGMR	43	1805	2130.5	371 D	120.0			
	200 HIRA	44	1940 E	0128	830 D	180.0	50.0		
	10700 PFNN	8	1926.7	1926.8	.2	29.4			
	200 GORK	44	0200 F		420		30.0		
	100 GORK	44	0300 F		536 D		10.0		
	234 POTS	45	0650.6	0651.1	1.1	350.0	20.0		
	260 ONDR	44	0656	1225.5	466	100.0			
	221 ABST	44	0700	1003	240	13.0			
	207 IZMI	43	0700		300	90.0			
	188 KIEV	44	0700 E		630 D	386.0	25.0		
	200 GORK	6	0714.9	0715.5	1.3	250.0D			
	410 SGMR	44	0922 F	1817.5	893 D	90.7			
	245 SGMR	44	0922 F	1244.4	893 D	251.1			
	200 GORK	6	0930.7	0930.8	.6	20.0			
	100 GORK	6	0930.7	0930.8	.6	20.0			
	234 POTS	45	0956	0956.5	.6	250.0	5.0		
	221 ABST	49	1000	1004.2	7	28.0	9.0		
	221 ABST	48	1018.5	1019.2	1.5	28.0	9.0		
	234 POTS	41	1226.5	1241.4	25	1250.0	2.0		
	228 HARS	45	1241.2	1241.5	2	550.0	140.0		
	234 POTS	45	1416.3	1416.5	.3	250.0	30.0		
	606 SGMR	43	1711	1848.4	229	11.0			
	200 HIRA	44	1940 F	2114	585 D	68.0	23.0		
	7000 SAOP	32	1506		59	9.0			
	7000 SAOP	1	1506		1.5	14.4			
	4995 ROUL	8	1655	1656	1.5	10.0	3.0		
	7000 SAOP	20	1659.7		105.3	9.0			
	10700 PENN	3	2125.8	2125.9	1.8	11.2	1.7		
	10700 PENN	3	2150.9	2151	1	18.8	4.5		
	10700 PENN	3	2155.2	2155.6	1.8	15.0	2.5		
15	200 GORK	44	0300 F		135		5.0		
	228 HARS	45	0414.2	0414.5	1.5	150.0	50.0		
	260 ONDR	44	0640	1049.5	270	100.0			
	510 POTS	45	0720.5	0720.7U	3 U	100.0	17.0		
	188 KIEV	44	0720 E		310	71.0	10.0		
	234 POTS	45	0734	0734	.1	120.0	30.0		
	234 POTS	43	0812.3	0813	.7	150.0	3.0		
	221 ABST	44	0812.2	0813.5	80	7.0			
	207 IZMI	41	0813	0818	39.3	440.0			
	200 GORK	44	0815		285		5.0		
	221 ABST	48	0843	0843.5	1	36.0	12.0		
	410 SGMR	44	0923 E	2213	892 D	37.4			
	245 SGMR	44	0923 F	2027	892 D	277.0			
	100 GORK	6	1029.7	1030	.6	70.0D			
	260 ONDR	44	1110	1443.5	240	70.0			
	315 DWIN	43	1430	1530	87 D		6.0		
	9240 ARCE	8	1404.8	1404.9	1				
	18 MCMA	6	1515	1517	3			1	
16	2930 VORO	41	0105	0107.5	12.5	15.0			
	3750 TYKW	5	0215	0221	35	2.0	1.0		
	200 GORK	44	0309 E		531 D		25.0		
	100 GORK	44	0309 E		531 D		15.0		
	3750 TYKW	5	0405	0420	50	2.0	1.0		
	200 HIRA	43	0405	0613	320 D	50.0	20.0		
	100 HIRA	43	0420	0612	305 D	20.0	10.0		
	536 ONDR	41	0640	0758	510	65.0			
	260 ONDR	44	0640	1104	510	100.0			
	221 ABST	44	0700	1046.8	240	7.0			
	188 KIEV	44	0700 E	1632	620 D	316.0	36.0		
	315 DWIN	44	0757	1235	508 D		15.0		
	200 GORK	6	0820.1	0820.4	.8	150.0D			
	410 SGMR	44	0924 F	1345.8	890 D	23.8			
	245 SGMR	44	0924 E	1829.8	890 D	60.1			
	3100 CRIM	20	0753	0755	45	1.0	0.5		
	3100 CRIM	24	0903	0917		4.0			
	234 POTS	40	1016.6	1017.7	1.2	120.0	2.0		
	234 POTS	45	1047.2	1047.2	.2	200.0	35.0		
	234 POTS	45	1059.1	1059.1	.1	120.0	24.0		
	2800 OTTA	20	1430 F	1520	130 D	1.6			
	1420 BOUL	8	2026.5	2027.5	1	5.0	2.0		
	100 HIRA	45	2255	2301.5	27	1000.0D	150.0D		
17	200 GORK	44	0300 F		600 D		10.0		
	100 GORK	44	0300		240		5.0		
	260 ONDR	44	0638	1104.5	502	40.0			
	221 ABST	44	0700	0727.8	240	7.0			
	188 KIEV	44	0700 F		600 D	106.0	19.0		
	29 UPIC	45	0913.5	0914	2.5		8.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

JULY 1974

JUL 1974	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		
18	410 SGMR	44	0925 E	2219.9	888 D	20.1		1	
	245 SGMR	44	0925 E	1907	888 D	43.5			
	2800 OTTA	20	1400	1430	105	2.2	1.1		
	315 OWIN	41	1405	1408.4	7.5	280.0			
	18 MCMA	6	1515	1517	3				
	2695 BOUL	45	2122	2125	6	7.0	3.0		
	2695 BOUL	45	2122	2125.5	6	7.0	3.0		
	2695 BOUL	45	0116	0117.5	2.5	6.0	2.0		
	200 GORK	44	0600		60		5.0		
	188 KIEV	44	0635 E		480 D	50.0	20.0		
	260 ONDR	41	0638	0645	262	40.0			
	245 SGMR	43	1532.3	2103.3	391.7	19.6			
	410 SGMR	43	1536.6	1542.3	387.4	25.0			
	200 HIRA	27	1940 F	2110.5	137 D	50.0	34.0		
	100 HIRA	43	2054	2141	220	60.0	30.0		
	9240 ARCE	23	1328.1	1331.3	6				
	9240 ARCE	8	1328.7	1328.8					
	7000 SAOP	1	1621.9		1.8	11.6			
	7000 SAOP	1	1638.8		.9	5.2			
	2800 OTTA	24	1855	1902	7	1.0	0.5		
	1415 PALE	4	1858.5	1901.5	10.1	17.9	5.4		
	1420 BOUL	45	1859	1901.5	4.5	9.0	3.0		
	2800 OTTA	24	1902		420 D	1.0			
	2800 OTTA	22	1945	2245	295	4.0	2.8		
	245 SGMR	6	2001.9	2015.5	33.5	6.2	1.9		
	1415 SGMR	22	2002.1	2015.7	24.7	3.2	1.9		
	606 SGMR	22	2002.1	2010	33.9	10.4	6.2		
	2695 SGMR	20	2003	2015.5	18.1	2.2	1.3		
	410 SGMR	6	2003.3	2010.1	32.1	7.0	1.4		
19	2695 BOUL	8	0129.5	0130	1.5	5.0	2.0	1	
	100 GORK	44	0300 E		500 D		10.0		
	260 ONDR	41	0636	1308	514	20.0			
	960 PENN	45	2208.5	2209.3	1	11.2	0.8		
	2700 PENN	8	2209.7	2209.3	.2	1.7			
20	2000 TYKW	5	0208	0210	25	3.0	1.0	1	
	3750 TYKW	5	0209	0210	3	2.0	1.0		
	260 ONDR	45	0814	0844	63	40.0			
	260 ONDR	45	0953.5	1011	23	25.0			
	9240 ARCE	24	1027		85				
	2800 OTTA	1	1051.5	1053	2.5	1.0	0.5		
	18 MCMA	6	1134	1136	3				
	2800 OTTA	1	1625.5	1625.8	1	1.0	0.5		
	7000 SAOP	1	1716.5		.6	6.4			
	2700 PENN	1	1716.8	1717.3	1.4	2.6	1.2		
	2695 SGMR	1	1716.8	1717.3	1.2	2.6	.8		
	10700 PENN	1	1717	1717.3	1.2	3.7	1.2		
	8800 SGMR	1	1717	1717.1	.5	5.0	1.5		
	4995 SGMR	1	1717	1717.3	.7	4.0	1.2		
	2800 OTTA	2	1717	1717.2	1	4.6	1.6		
	2695 BOUL	8	1717.5	1718.5	1.5	6.0	2.0		
	1415 SGMR	1	1717	1717.3	2.6	2.5	.8		
	245 SGMR	43	1717.6	1730	413.3D	18.7			
21	100 GORK	6	0705	0708	7.1	75.0D		1	
	950 GORK	1	0707.6	0708.4	1.9	4.3	2.0		
	650 GORK	1	0707.3	0708	1.5	8.0	4.0		
	29 UPJC	45	0740	0740	.5				
	260 ONDR	44	0840	1052.5	240	45.0			
	2800 OTTA	20	1410	1440	60	1.2	0.6		
	18 MCMA	6	1607	1608	2				
	7000 SAOP	1	1725.5		1	15.8			
	18 BOUL	6	1727	1729	4				
	15400 SGMR	3	1728.5	1728.7	.9	14.1	4.2		
	9240 ARCE	1	1728.9	1729.1	1				
	8800 SGMR	3	1728.6	1728.9	1	17.2	5.2		
	8800 PALE	3	1728.7	1728.9	.8	17.7	6.8		
	4995 SGMR	3	1728.7	1728.9	1.1	14.7	4.4		
	2800 OTTA	3	1728.5	1728.8	2	17.6	4.0		
	2700 PENN	3	1728.5	1728.9	1.6	14.0	3.5		
	2695 SGMR	3	1728.7	1728.9	1.4	16.6	5.0		
	1420 BOUL	8	1728	1729	2.5	12.0	5.0		
	1415 SGMR	3	1728.7	1728.9	1.4	16.3	4.9		
	1415 PALE	3	1728.7	1729	1.2	15.9	5.8		
	960 PENN	1	1728.6	1729	1.8	7.8	2.3		
	930 BORD	45	1728	1728.8	2	16.0	4.0		
	606 SGMR	1	1728.7	1729.3	1.3	6.2	1.9		
	245 SGMR	6	1728.7	1729.5	1.4	8.3	1.7		
	18 MCMA	6	1728	1730	4				
	2695 BOUL	8	1729	1730	2.5	15.0	6.0		
	18 MCMA	41	1821	1823	4				
	245 SGMR	43	1843.7	1953.1	326.3D	32.8			
27	100 GORK	44	0257 F		603 D		25.0	2	
	200 GORK	44	0402		538 D		5.0		
	188 KIEV	44	0700 F		360	50.0	18.0		
	260 ONDR	41	0710	1127.5	340	30.0			
	245 SGMR	44	0929 F	2332	880 D	125.6			

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SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

JULY 1974

JUL 1974	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	315 DWIN	27	1015	1135	180	20.0	10.0	1	
	113 POTS	45	1028.5U	1126.5U	116	70.0	15.0		
	200 HIRA	43	2247	0004	143	38.0	24.0		
	650 GORK	1	0723.8	0724.4	1.1	5.0	2.5		
	200 GORK	6	0723.2	0723.3	.3	60.0			
	100 GORK	6	0723.6	0724.3	1	65.0D			
	950 GORK	1	0724.2	0724.3	1.3	2.0	1.0		
	3100 CRIM	24	0900	1104		8.0			
	950 GORK	23	1040.8	1104.7	78.2	7.8	3.0		
	536 ONDR	45	1040	1102.5	107	65.0			
	1415 SGMR	22	1050.8	1102.8	32.3	14.0	4.2		
	650 GORK	23	1051.9	1118.5	81.4	10.0	3.5		
	410 SGMR	6	1051.2	1119.1	86.3	37.3	11.2		
	234 POTS	45	1052.0U	1125.0	93	27.0	6.0		
	808 ONDR	45	1053	1103.5	44	80.0			
	606 SGMR	22	1053.5	1102.7	74.8	34.3	10.3		
	1470 BERL	46	1056.3	1102.8	26	14.0	3.4		
	950 GORK	3	1056.7	1057	1.5	10.8	5.4		
	550 KIEV	6	1057.8	1102.2	11	24.0			
	2800 OTTA	27	1058		132	2.2	1.6		
	2800 OTTA	24	1058	1104	6	2.2	1.1		
	510 POTS	45	1058.0	1119.0	50	7.0	1.0		
	3000 BERL	22	1059	1206	136	6.6			
	950 GORK	46	1059.2	1100.7	5.5	11.5			
	950 GORK		1059.2	1102.8		15.7			
	650 GORK	46	1100	1101.3	4.6	15.0			
	650 GORK		1100	1102.8		40.0			
	29 UPIC	45	1100		30.5				
	9500 BERL	20	1104.5	1131.8	81	7.1			
	2800 OTTA	24	1104		61	2.2			
	550 KIEV	24	1115.5	1120.5	60	8.0			
	2800 OTTA	26	1205	1310	65	-2.2	-1.1		
	2800 OTTA	20	1605	1638	155	1.6	0.8		
	18 MCMA	6	1655	1657	.2				
	2695 PENT	20	2250	2435	180.0	3.4			
	100 HIRA	27	2319	2355	64	90.0	20.0		
	1420 BOUL	8	2330	2331	3.5	2.0	1.0		
	260 ONDR	41	0710	0725	500	45.0			
	2800 OTTA	20	1410	1500	90.0	1.6			
	2695 BOUL	3	1423	1425.5	5.5	5.0	2.0		
	9240 ARCE	22	1507.6	1518.4	60				
	2800 OTTA	20	1829	1844	60	1.6	0.9		
	2695 BOUL	3	2221.5	2222.5	2	3.0	1.0		
	4995 BOUL	3	2229	2231	3.5	20.0	6.0		
	9400 TYKW	5	2230	2231.6	3	8.0	3.0		
	8800 PALE	2	2230.6	2231.6	8.7	8.3	2.5		
	3750 TYKW	5	2230	2231.7	3	10.0	3.0		
	2695 PENT	23	2230	2450	205.0	5.0			
	2800 OTTA	1	2231	2232	2.5	2.6	1.3		
	9400 TYKW	29	2233		18	4.0	2.0		
	3750 TYKW	29	2233		15	2.0	1.0		
	2695 BOUL	3	2351	2352	1.5	4.0	1.0		
	2695 BOUL	45	2354	2355.5	6	65.0	20.0		
	2695 BOUL	45	2354	2356.5	6	65.0	20.0		
	2695 PENT	1	2541	2542	2	1.6	0.8		
	3750 TYKW	5	0140	0141.7	15	3.0	1.0		
	260 ONDR	45	0739	0743	6	25.0			
	3000 BERL	1	0756.4	0756.7	.7	4.9	1.8		
	1470 BERL	2	0756.5	0756.8	1.5	4.3	1.0		
	536 ONDR	45	0757.5	0757.5	2	45.0			
	188 KIEV	6	0757.7	0758	1.2	210.0			
	260 ONDR	5	0758.5	0758.5	.5	30.0			
	536 ONDR	5	0806	0806	.5	35.0			
	2800 OTTA	20	1530	1640	120	1.4	0.7		
	260 ONDR	41	0740	1500	465	20.0			
	550 KIEV	6	1336.6	1336.9	1	54.0			
	245 SGMR	43	1448.5	1538.7	187.5	26.0			
	1420 BOUL	8	1722	1723	1.5	13.0	5.0		
	18 BOUL	6	1743	1744	3				
	2695 BOUL	3	1926.5	1928.5	4	5.0	2.0		
	960 PENN	45	2019.5	2021.5	3.4	13.0	2.8		
	2700 PENN	1	2021.3	2021.8	.9	1.8	0.4		
	2695 PENT	24	2130	2515	225	5.2	2.5		
	2695 PENT	24	2515		40.0	5.2			
	1420 BOUL	45	0112	0114	2.5	4.0	1.0		
	1420 BOUL	3	0123	0124	1.5	2.0	1.0		
	200 HIRA	45	0414	0414.4	1	180.0D	120.0D		
	260 ONDR	41	0547	0614	553	45.0			
	536 ONDR	45	0657	0705	13.5	40.0			
	188 KIEV	42	0925		36	24.0	13.0		
	188 KIEV	6	1013.5	1015	3.7	74.0			
	3100 CRIM	24	1025	1300		6.0			
	7000 SAOP	3	1155.3		1.8	7.8			
	7000 SAOP	3	1218.7		1.7	6.7			
	2700 PENN	8	1234.1	1234.2	.3	8.8			
	960 PENN	45	1234.1	1234.2	.5	11.4	1.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

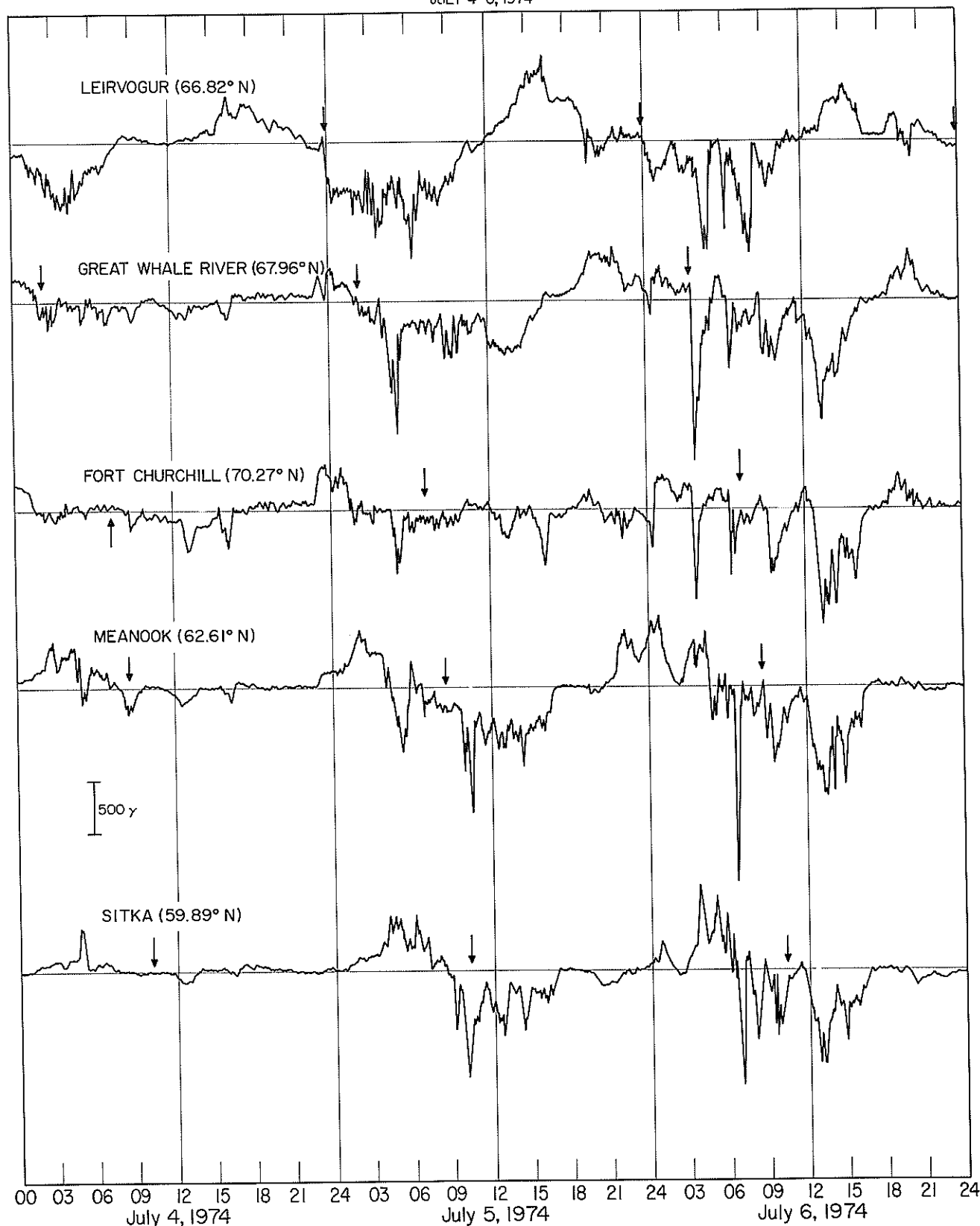
JULY 1974

JUL 1974	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		
	188 KTFV	41	1302	1311.7	10.5	68.0			
	29 UPIC	45	1422	1422.5	1				
	18 MCMA	41	1953	1957	4				
	2800 OTTA	1	2124	2124.6	1.2	2.8	1.2	1	
	2695 ROUL	3	2124	2125	1.5	4.0	1.0		
	1420 ROUL	45	2226.5	2229	7.5	20.0	4.0		
	4995 BOUL	8	2227.5	2228.5	5	21.0	8.0		
	2800 OTTA	4	2227.5	2228.8	5	17.8	6.6		
	2700 PENN	45	2227.7	2228.8	4.4	15.3	3.0		
	2695 SGMR	4	2227.6	2228.8	3.1	23.6	7.1		
	2695 MANI	4	2227.7U	2228.8U	5.1U	19.0U	7.6U		PEAKING
	2000 TYKW	45	2227	2228.7	5	24.0	5.0		
	1415 MANI	40	2227.7U	2228.2U	5.4U	27.0U	5.4U		PEAKING
	1415 SGMR	4	2227.8	2230.2	4.7	24.2	7.3		
	1000 TYKW	45	2227	2230.2	4	19.0	3.0		
	960 PENN	45	2227.7	2230.2	4.4	13.6	1.7		
	606 MANI	40	2227.7	2230.4	5.4	87.0	13.3		
	606 SGMR	4	2227.6	2230.6	5.6	85.8	25.7		
	245 SGMR	7	2227.3	2229.3	11.5	273.7	82.1		
	200 HIRA	45	2227.5	2229 U	7	180.0D	100.0D		
	18 ROUL	6	2227	2229	3			1	
	9400 TYKW	5	2228	2230	6	4.0	2.0		
	4995 SGMR	4	2228.1	2228.9	2.5	19.2	5.7		
	3750 TYKW	45	2228	2228.7	5	16.0	4.0		
	2695 BOUL	45	2228	2229.5	5.5	19.0	7.0		
	410 SGMR	6	2228	2230.6	6.9	199.5	59.9		
	100 HIRA	45	2228	2229 U	5	1000.0D	200.0D		
	18 MCMA	45	2230	2231	3			1	
	2695 ROUL	45	2315.5	2316.5	4	50.0	18.0		
27	260 ONDR	44	0650	1203	542	35.0			
	188 KIEV	42	0700 E		540 D	165.0	16.0		
	100 HIRA	45	0804	0804.2	1	550.0	100.0		
	29 UPIC	45	0804	0804.5	1				
	536 ONDR	45	1112.5	1118	7.5	45.0			
	18 MCMA	6	1354	1355	4			1	
28	3100 CRIM	45	0639	0640	4	6.0	2.0		
	3100 CRIM		0639	0642		4.0			
	188 KIEV	44	0700 E		540 D	265.0	26.0		
	260 ONDR	44	0708	1111	470	40.0			
	245 SGMR	44	1052 E	1838.4	792 D	39.4			
	29 UPIC	45	0921.5	0923.5	2.5				
	207 IZMI	6	0947	0947.5	1	320.0	85.0		
	6100 KISV	20	1018	1037	39	2.0			
	18 MCMA	6	1643	1644	3			1	
	2695 ROUL	45	1707.5	1713.5	12.5	4.0	1.0		
	1420 ROUL	3	1708	1712.5	10	2.0	1.0		
	2800 OTTA	20	1709	1712.5	24	1.6	0.8		
29	200 HIRA	45	0042.5	0043	1	180.0D	90.0D		
	3100 CRIM	20	0602	0640	180	3.0	1.0		
	260 ONDR	44	0648	1312	384	45.0			
	234 POTS	45	0938.9	0939.4	.6	700.0	100.0		
	245 SGMR	6	1311.8	1312	1.4	104.0	31.1		
	29 UPIC	45	1312	1312.5	1				
	18 MCMA	6	1556	1557	2			1	
	29 UPIC	45	1702	1704	3				
	1420 ROUL	45	2232	2234.5	4	3.0	1.0		
	2800 OTTA	22	2236	2240	145	2.8	1.3		
30	260 ONDR	45	1330	1333	10	20.0			
	188 KIEV	41	1330.7	1940	11	60.0			
	2695 ROUL	45	1738	1740	3.5	70.0	21.0		
	2800 OTTA	45	2044.9	2045	10	2.0	1.0		
	9300 IRKU		2221	2228.9		987.0D			
	9300 IRKU	45	2221	2248	47	330.0			
31	3750 TYKW	45	0415	0422.4	45	6.0	2.0		
	2000 TYKW	45	0415	0420.6	15	8.0	2.0		
	1415 MANI	22	0418.5	0420.5	10.1	7.4	1.5		
	606 MANI	4	0418.5	0420.1	10.1	11.5	3.7		
	9400 TYKW	5	0419	0426	40	9.0	4.0		
	8800 MANI	1	0419.5	0422.7	8.3	5.6	1.9		
	4995 MANI	2	0419.5	0422.6	7.3	8.4	2.8		
	2695 MANI	4	0419.5	0423.7	9.7	14.8	4.1		
	1000 TYKW	45	0419	0420	8	9.0	3.0		
	6100 KISV		0916.3	0921	2.3	17.0			
	9500 BERL	1	0920	0920.8	12	6.0	2.5		
	8800 ATHN	3	0920.5	0921.5	1.7	26.5	8.0		
	4995 ATHN	3	0920.5	0921.4	1.2	10.6	3.2		
	3100 CRIM	3	0920	0921	20	14.0	5.0		
	3000 BERL	3	0920	0921.3	20	22.0	3.1		
	2695 ATHN	1	0920.4	0921.4	1.4	9.1	2.7		
	1470 BERL	46	0920	0923	15	8.8	3.5		
	1415 ATHN	1	0920.3	0921.4	1.4	5.5	1.7		
	930 BORD	40	0920	0925	10	11.0	2.0		
	536 ONDR	45	0920	0921.5	4.5	50.0			
	283 DWIN	43	1155		238 D		3.0		
	315 DWIN	43	1158		235 D		4.0		
	245 SGMR	6	1905.3	1906	1.2	45.9	13.8	3	

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H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS

JULY 4-6, 1974

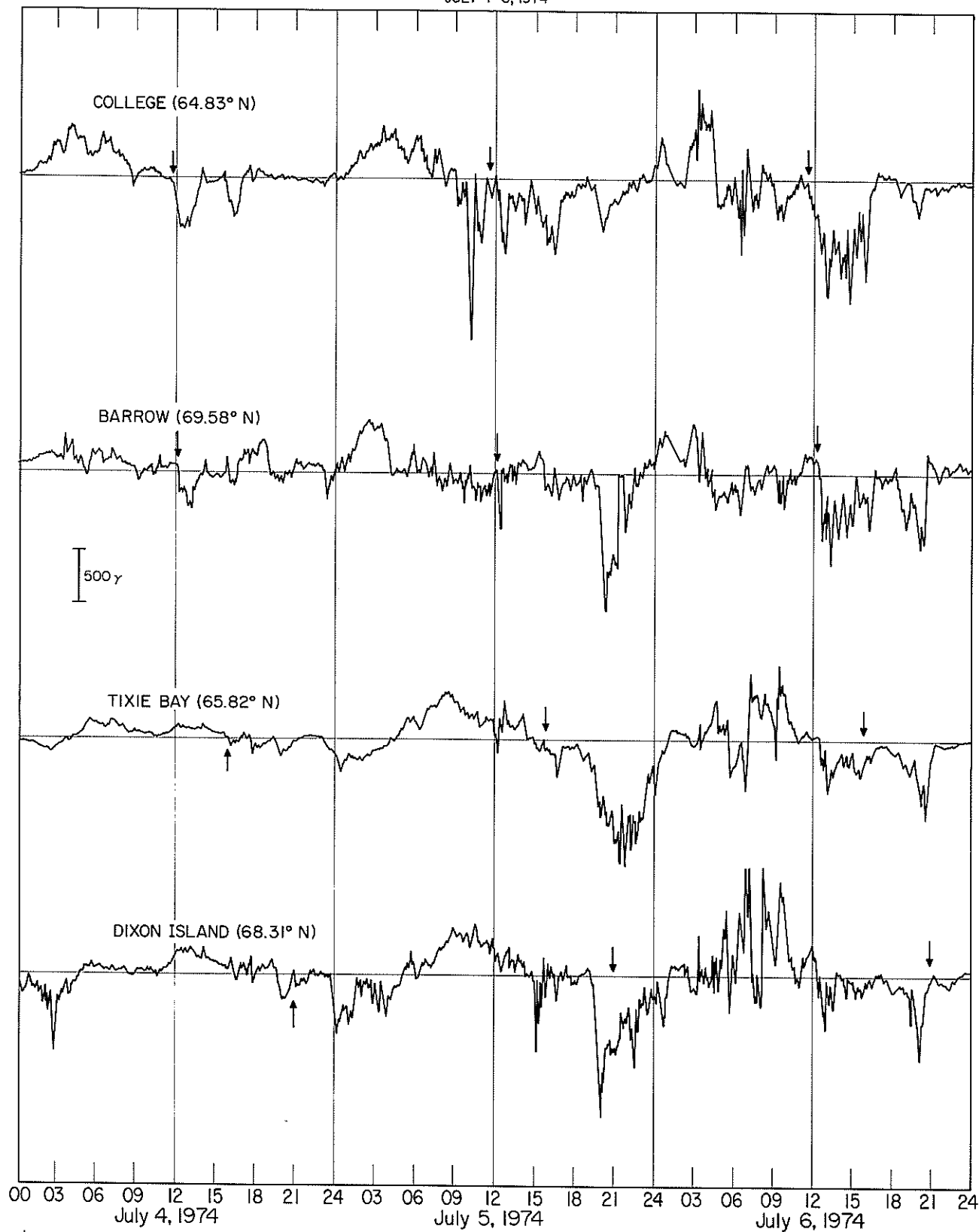


↓ Denotes Local Geomagnetic Midnight

Observatory latitude in Corrected Geomagnetic Coordinates.

H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS

JULY 4-6, 1974



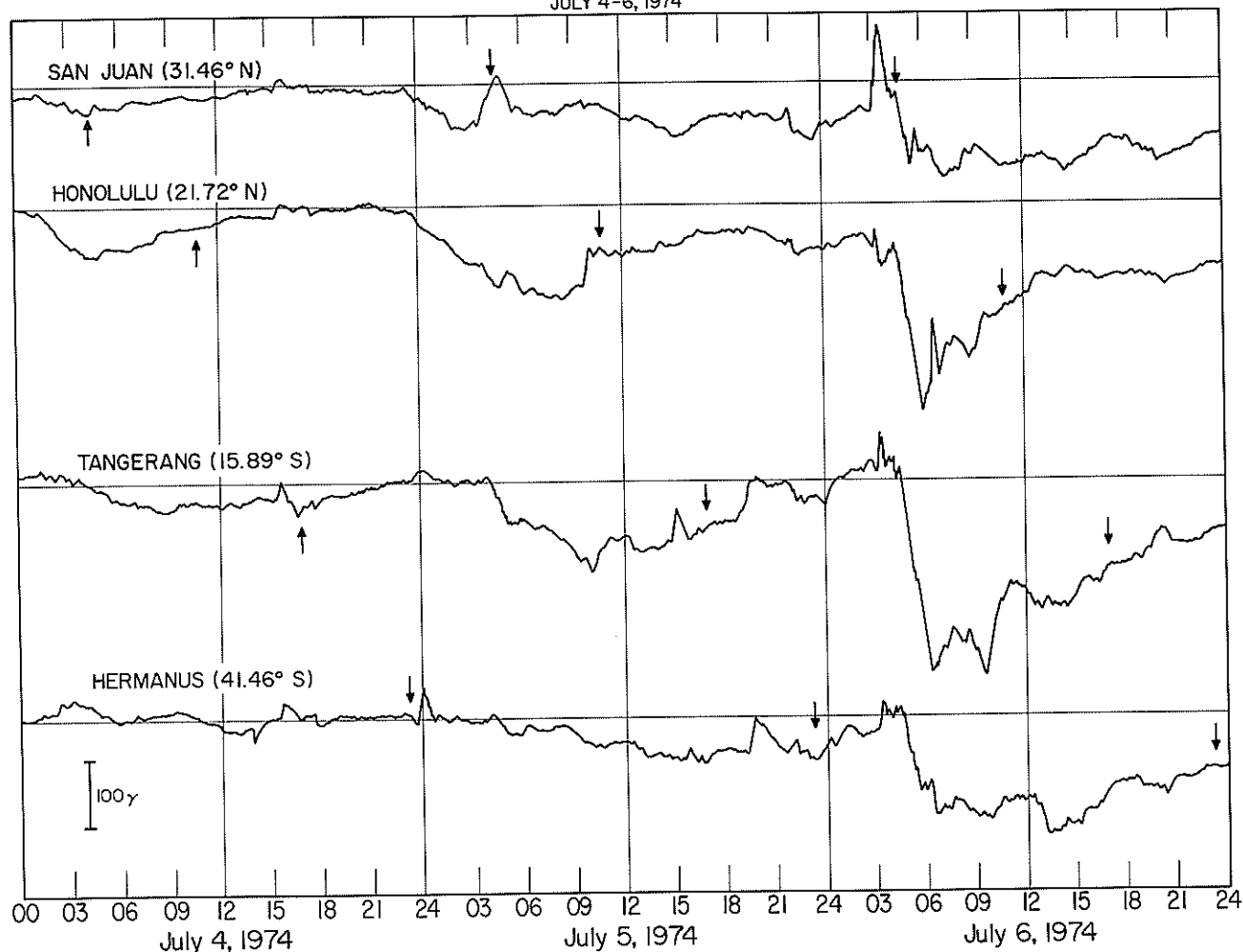
↓ Denotes Local Geomagnetic Midnight

Observatory latitude in Corrected Geomagnetic Coordinates.

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Jul 74

H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS

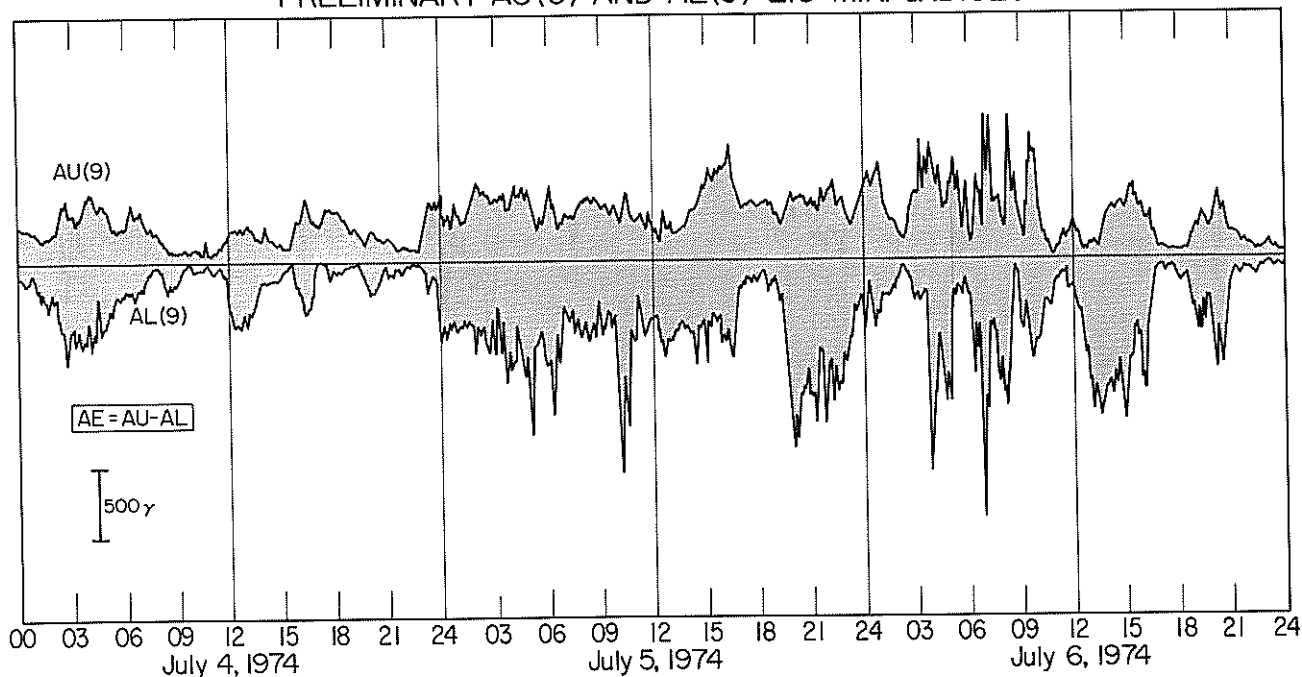
JULY 4-6, 1974



↓ Denotes Local Geomagnetic Midnight

Observatory latitude in Corrected Geomagnetic Coordinates.

PRELIMINARY AU(9) AND AL(9) 2.5-MIN. INDICES



JUNE 1974 DATA

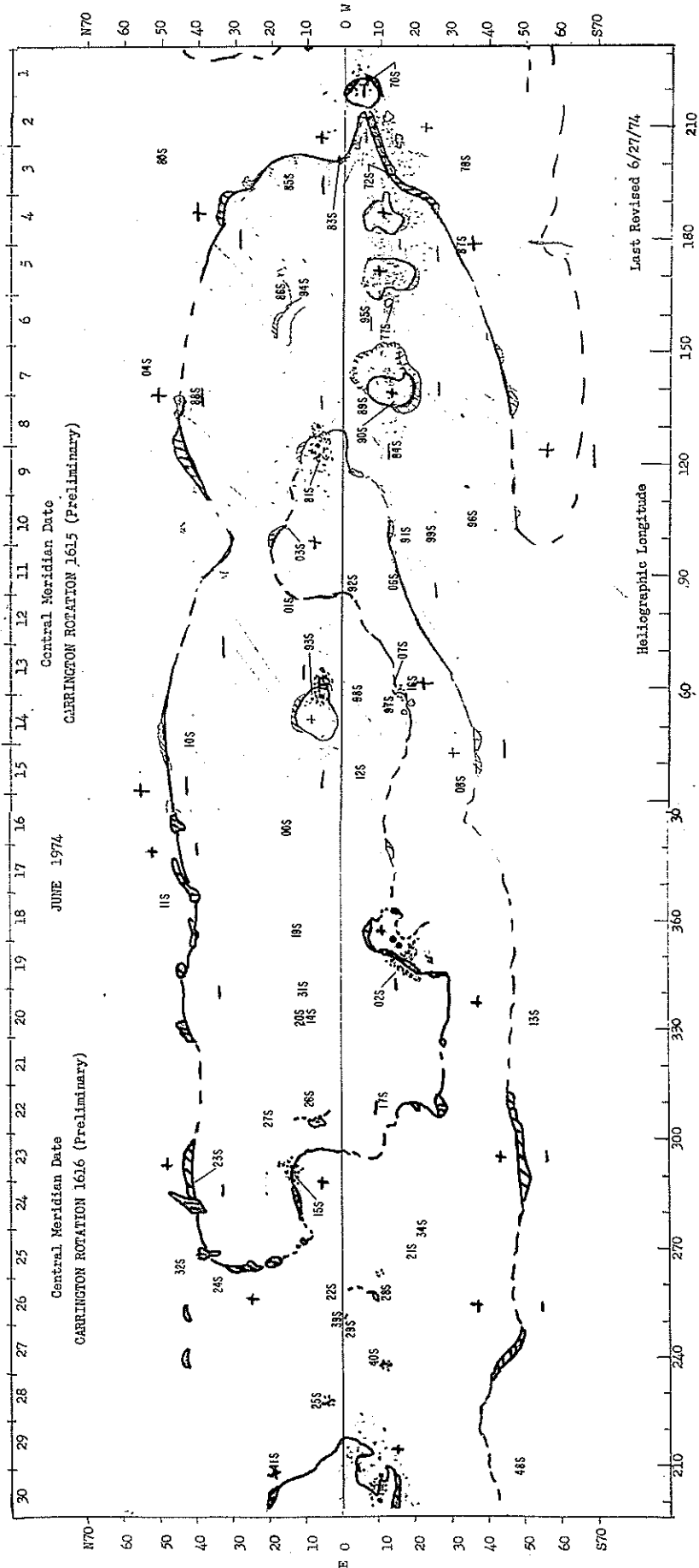
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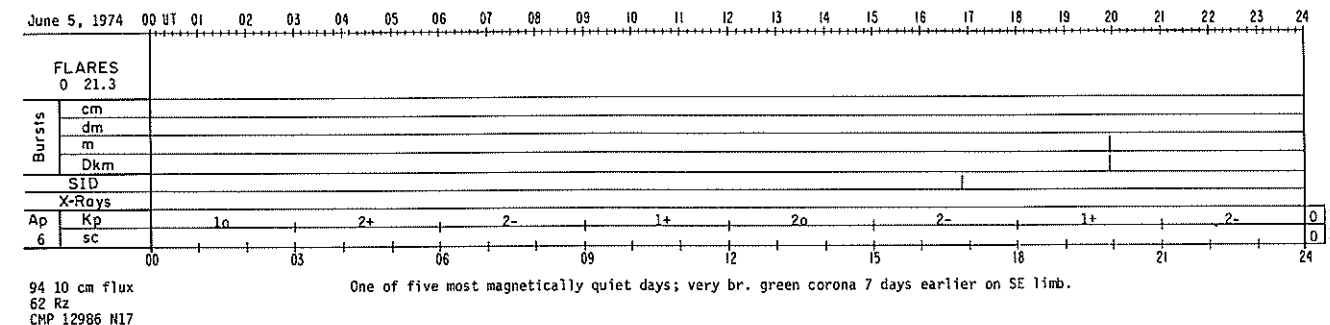
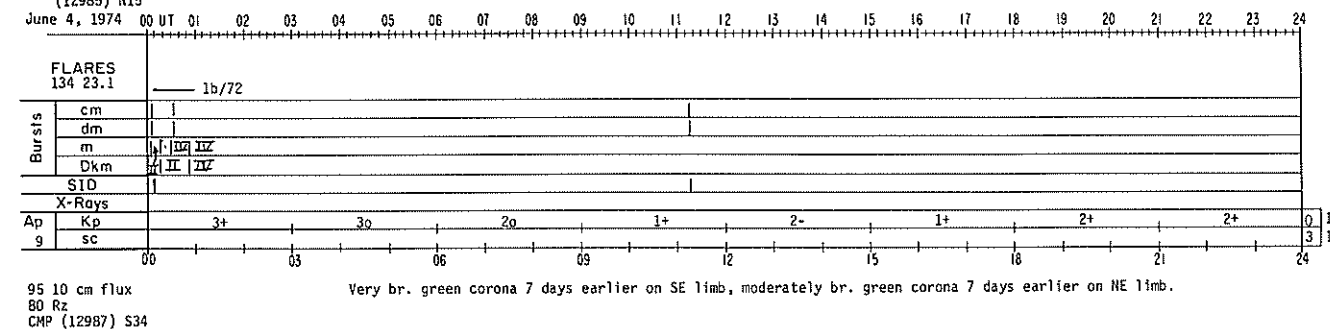
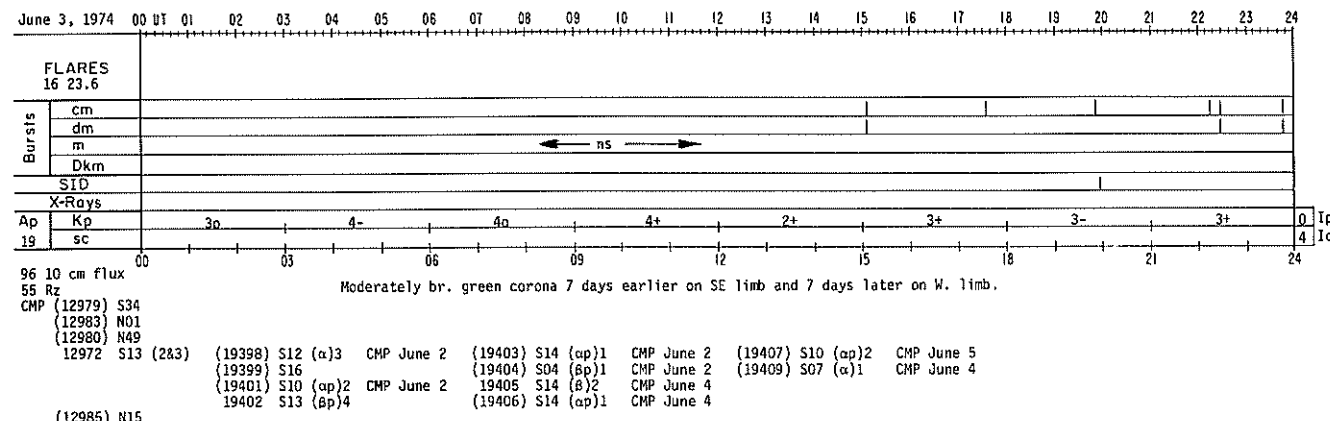
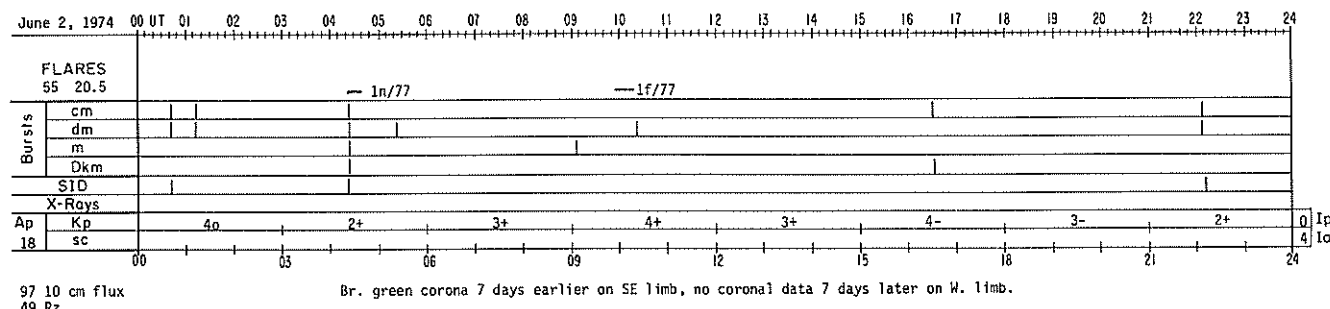
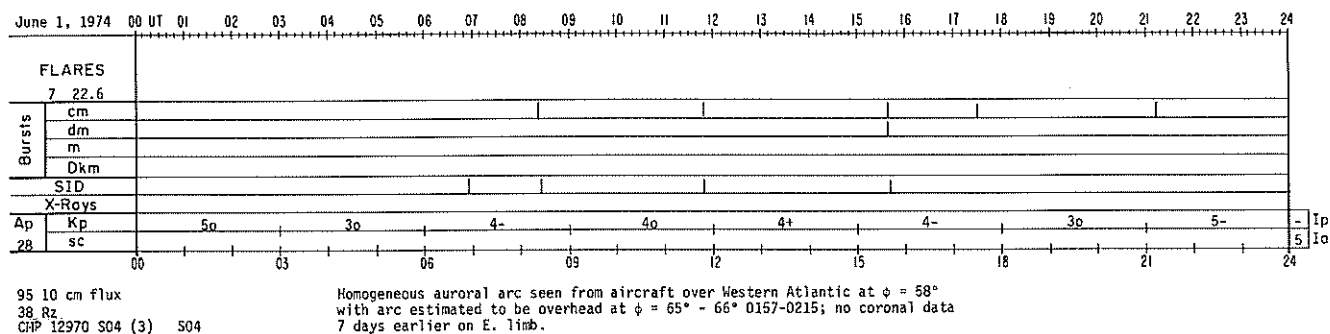
For explanations of the data contained herein see *Descriptive Text* published as supplement to February 1974 *Solar-Geophysical Data* (Number 354).

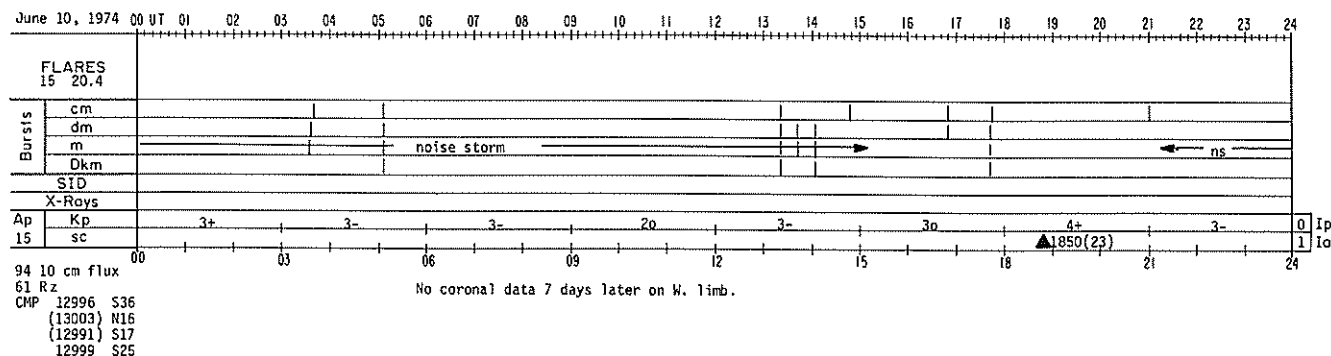
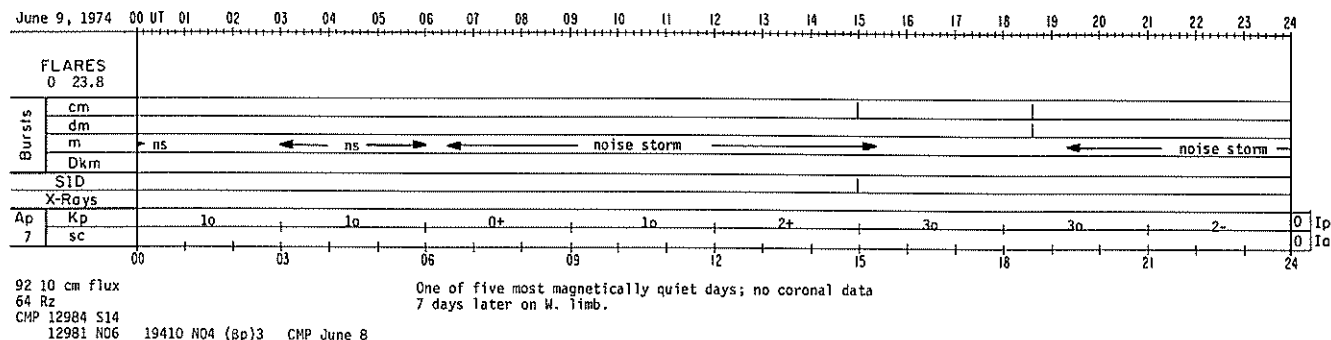
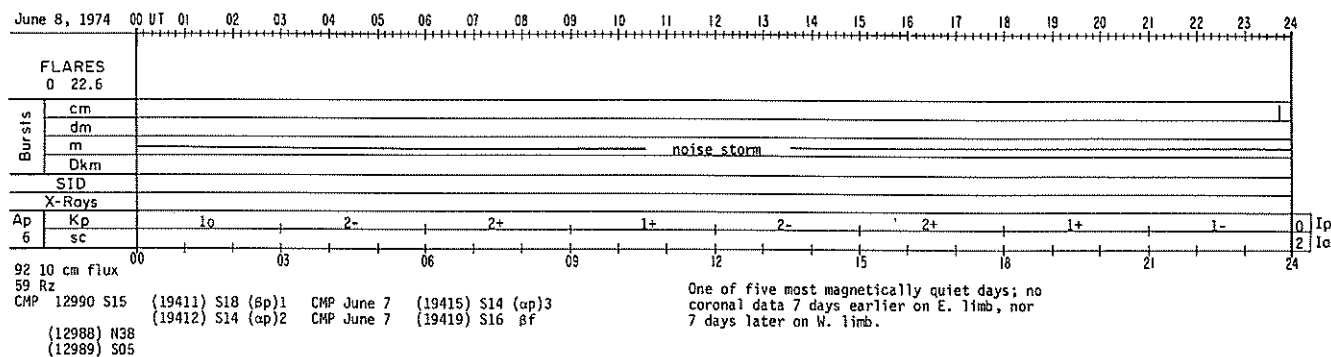
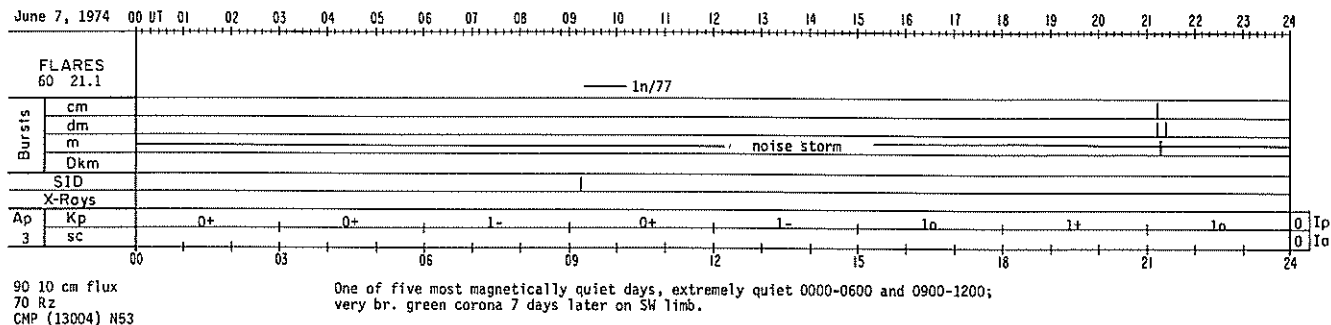
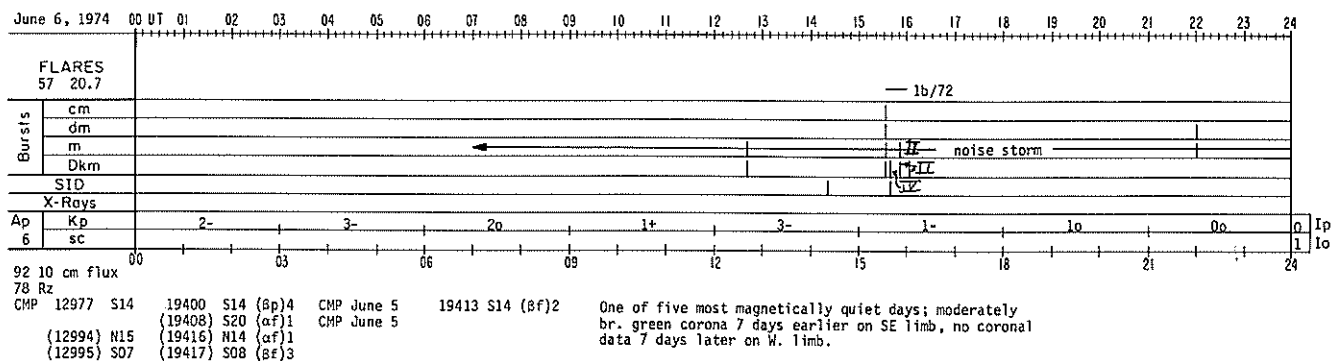
ABBREVIATED CALENDAR RECORD

JUNE 1974

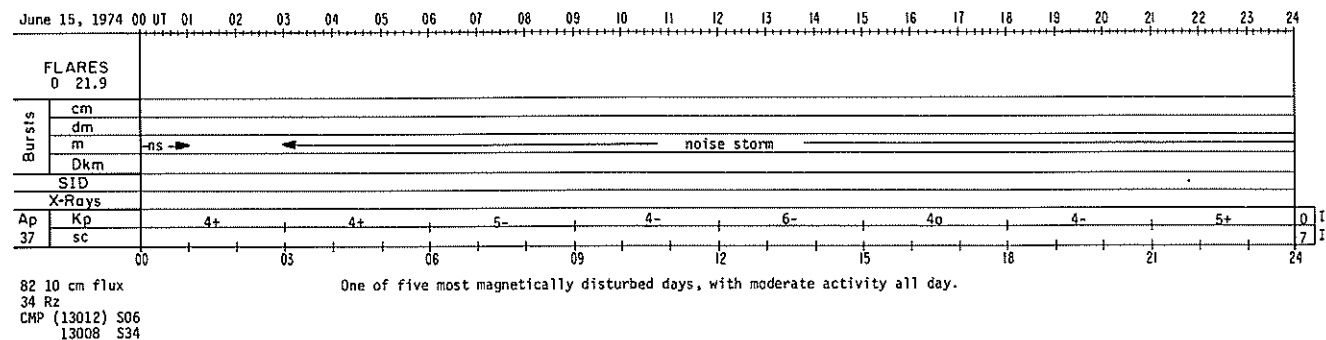
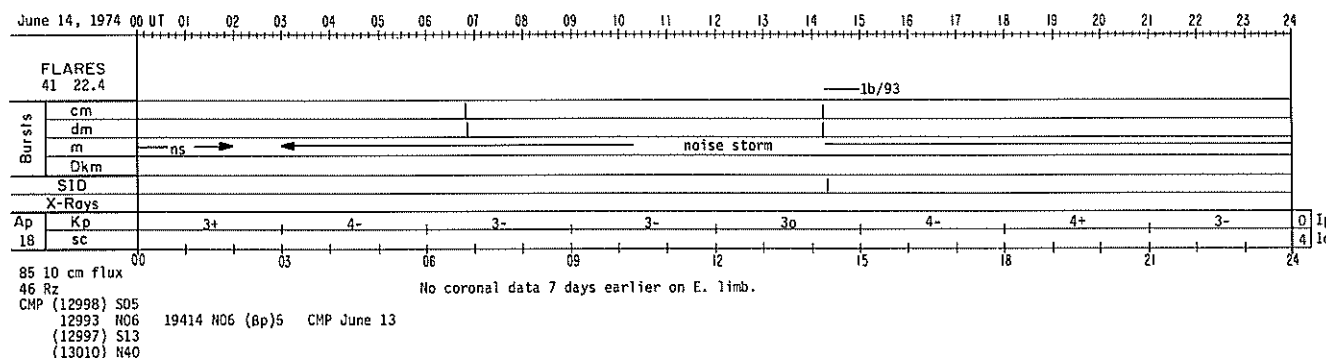
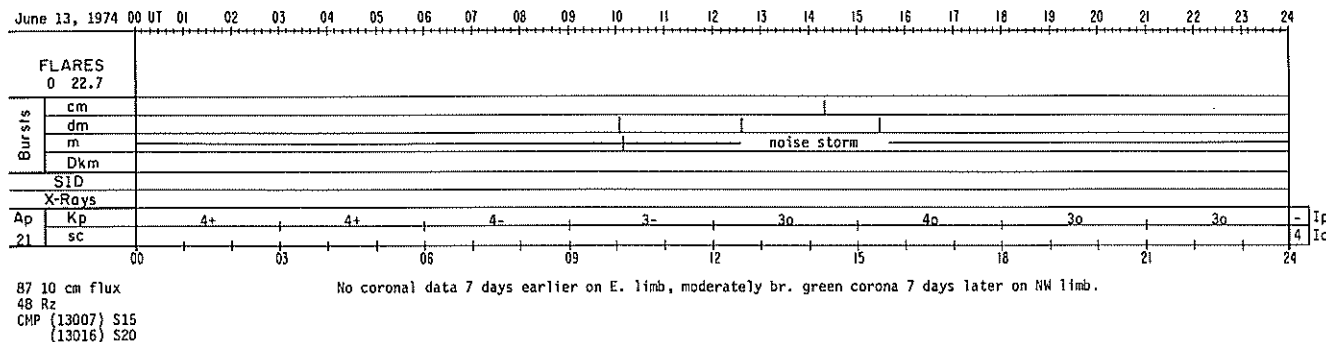
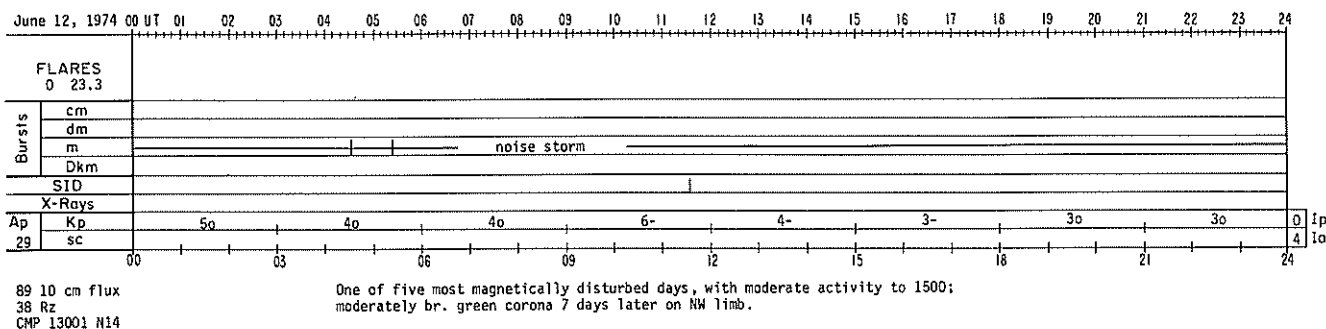
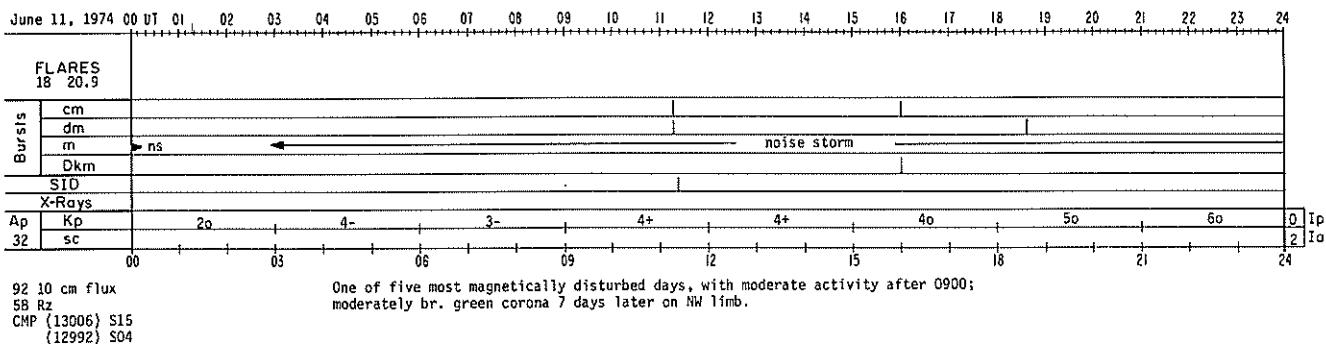


75
Jun 74

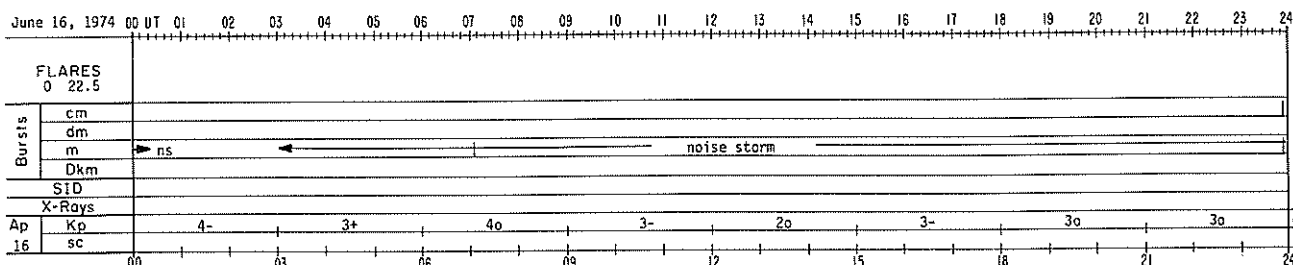




77
Jun 74

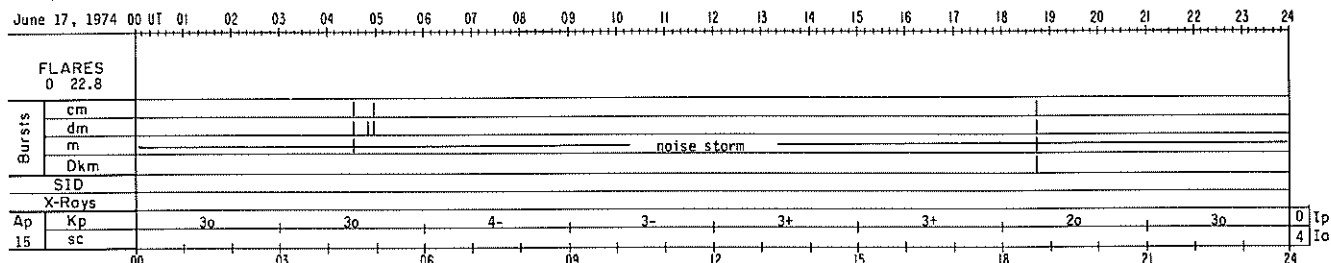


78
Jun 74



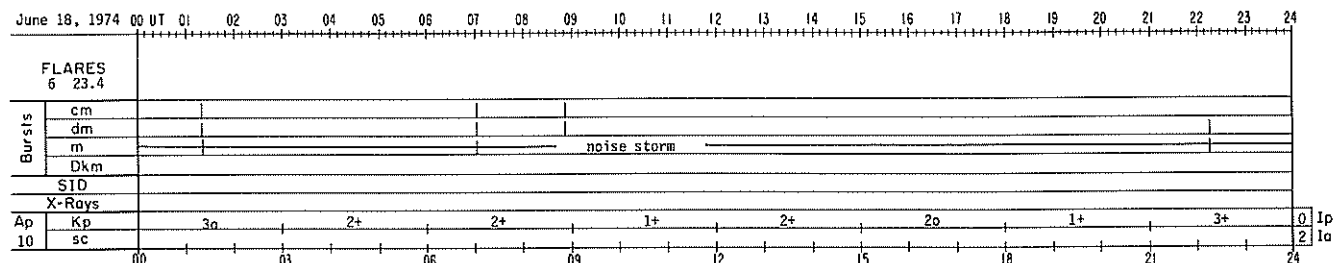
84 10 cm flux
25 Rz
CMP (13000) N14

No coronal data 7 days earlier on E. limb, nor 7 days later on W. limb.



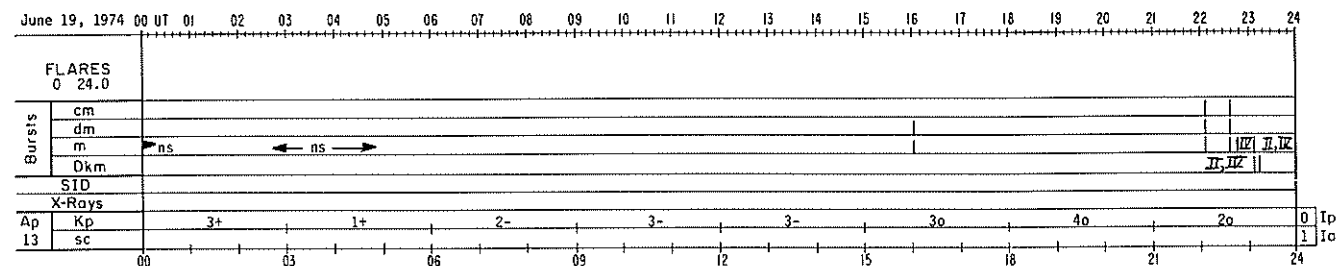
84 10 cm flux
24 Rz

No coronal data 7 days later on W. limb.

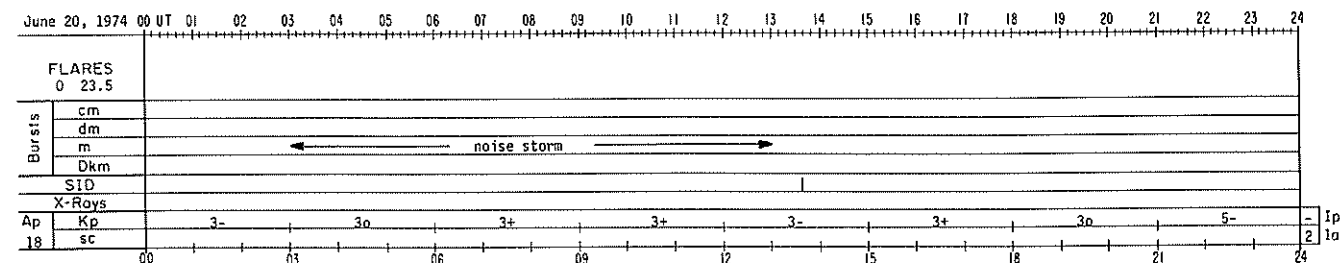


82 10 cm flux
29 Rz
CMP (13011) N47
(13019) N11

Aurora overhead over USSR at $\phi = 55^\circ$ 2200.



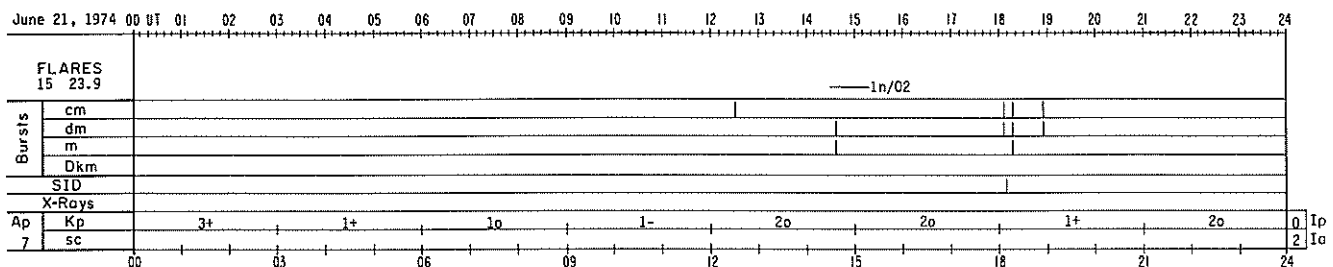
80 10 cm flux
32 Rz
CMP 13002 S16 (2) 19418 S14 (Bp 4)



81 10 cm flux
23 Rz
CMP (13031) N09
(13013) S54
(13014) N08
(13020) N10

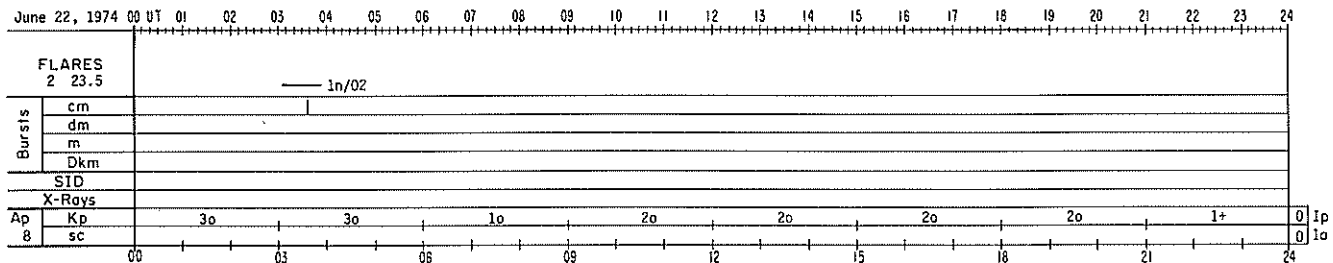
No coronal data 7 days earlier on E. limb, nor 7 days later on W. limb.

79
Jun 74



79 10 cm flux
20 Rz

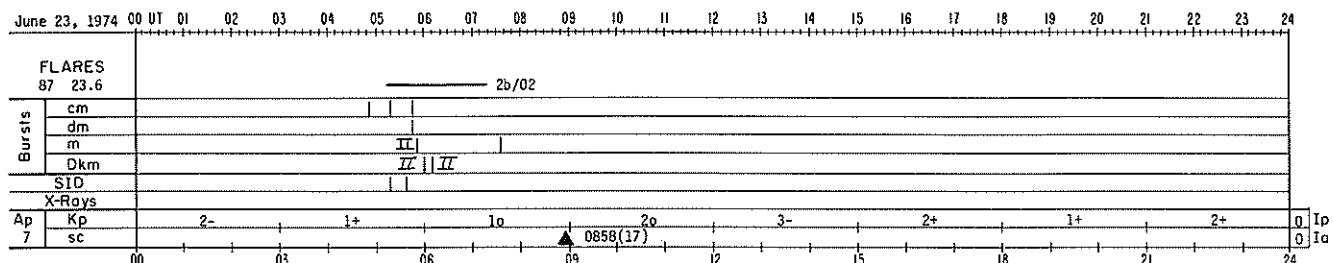
One of ten most magnetically quiet days; moderately br. green corona 7 days earlier on E. limb, no coronal data 7 days later on W. limb.



80 10 cm flux

One of ten most magnetically quiet days; no coronal data 7 days earlier on E. limb.

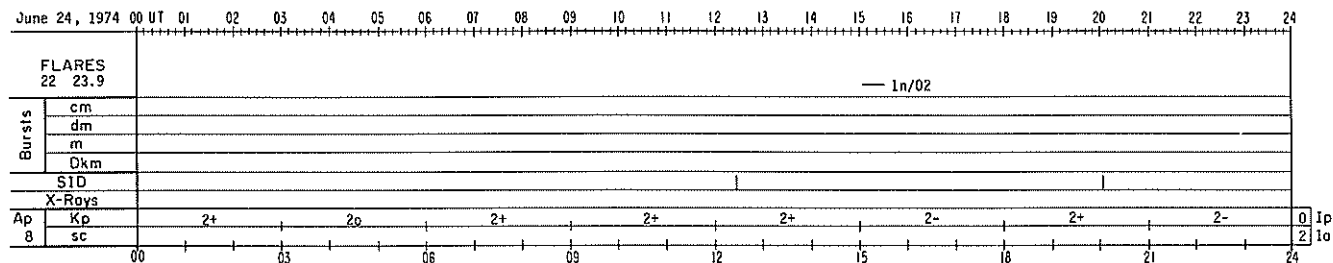
11 Rz
CMP 13017 S12 S12
(13026) N08
(13027) N19



78 10 cm flux

One of ten most magnetically quiet days; no coronal data 7 days earlier on E. limb.

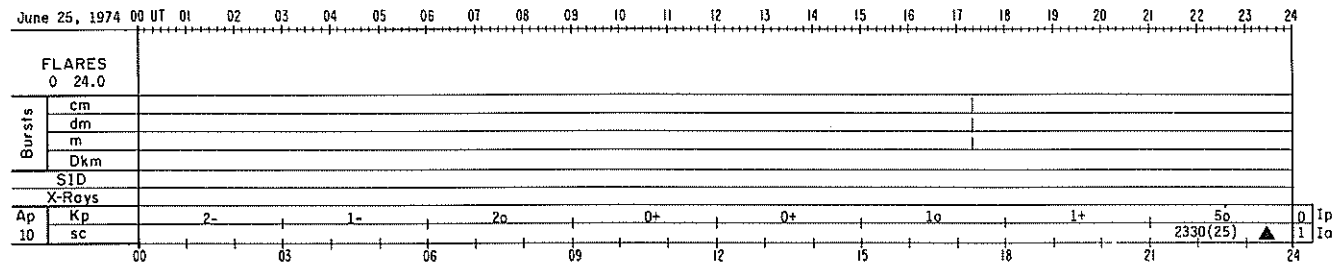
11 Rz
CMP 13015 N11 (19422) N11 (Bf)2



77 10 cm flux

One of ten most magnetically quiet days; no coronal data 7 days earlier on E. limb, nor 7 days later on W. limb.

16 Rz
CMP (13023) N40

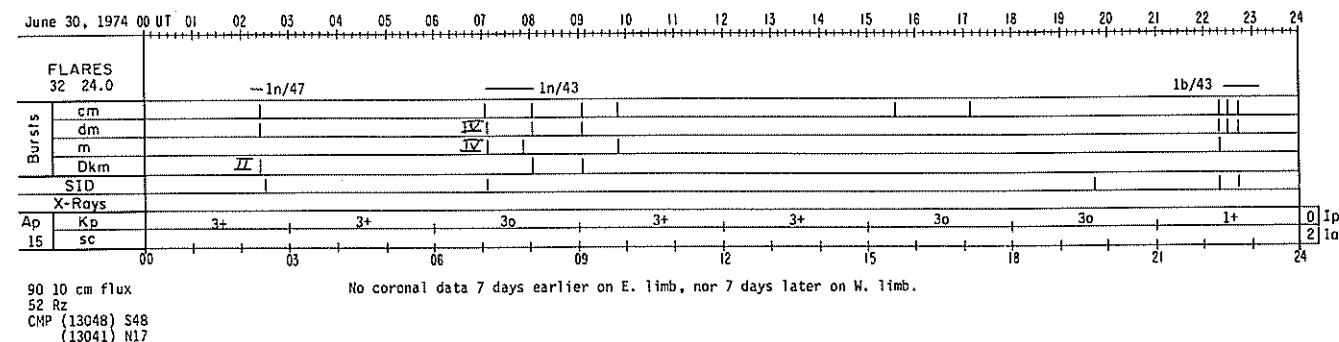
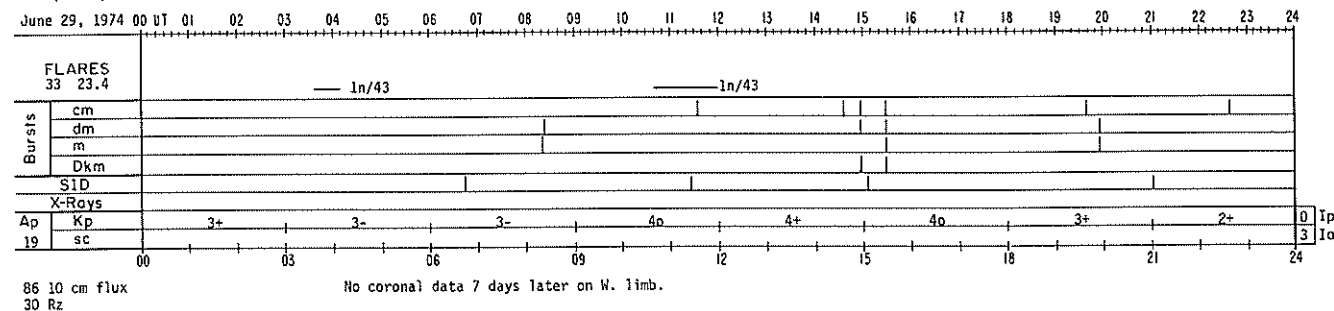
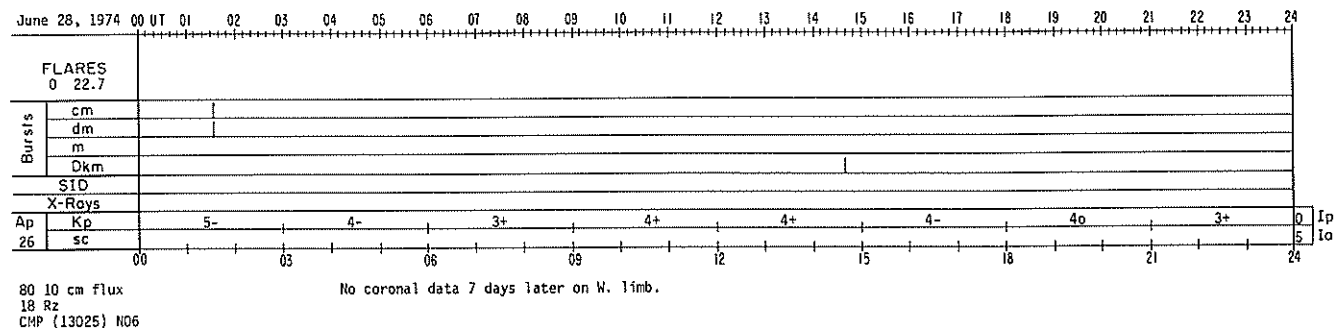
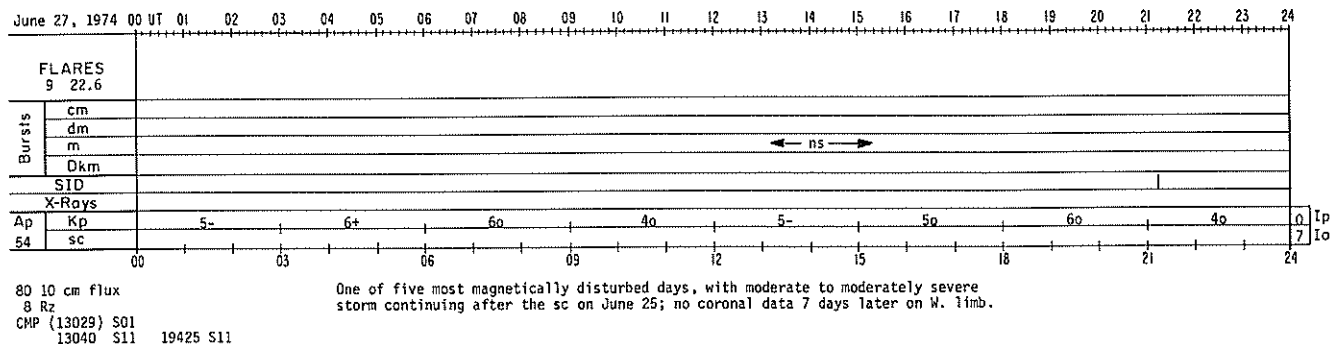
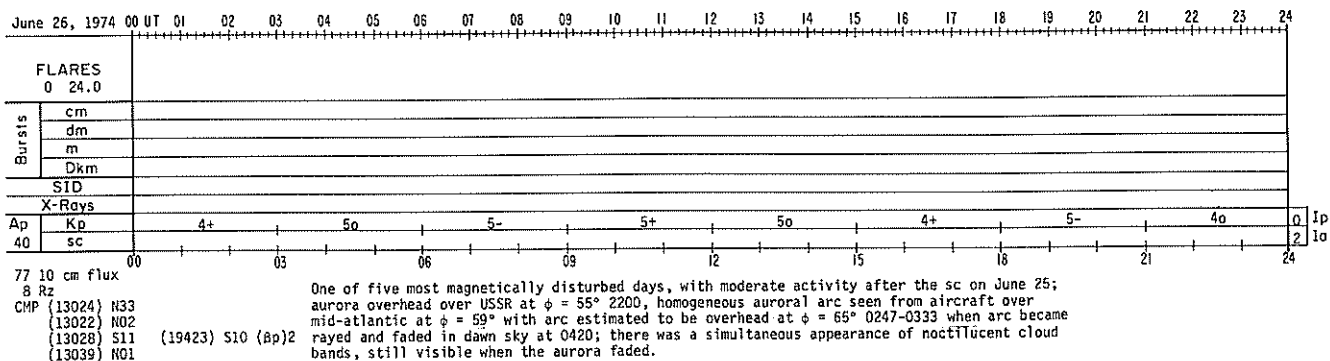


76 10 cm flux

One of ten most magnetically quiet days.

15 Rz
CMP (13034) S23
(13021) S20
(13032) N44

80
Jun 74



REGIONAL FLARE INDEX

JUNE 1974

MC MATH PLAGE NO.	LAT	CMP DATE	DATE FIRST FLARE	DATE LAST FLARE	FLARE-INDEX SUM	FLARE-INDEX MEAN	TOTAL NO. OF FLARES
12970	S 4	74/06/01.7	74/05/31	74/05/31	15.70	15.70	1
12972	S13	74/06/03.5	74/05/27	74/06/06	193.69	17.61	6
12977	S14	74/06/06.2	74/05/30	74/06/07	193.74	21.53	18
12993	N 6	74/06/14.0	74/06/10	74/06/14	74.25	14.85	4
13002	S15	74/06/19.5	74/06/18	74/06/24	131.47	18.78	5
13030	S11	74/06/30.9	74/07/03	74/07/03	13.68	13.68	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

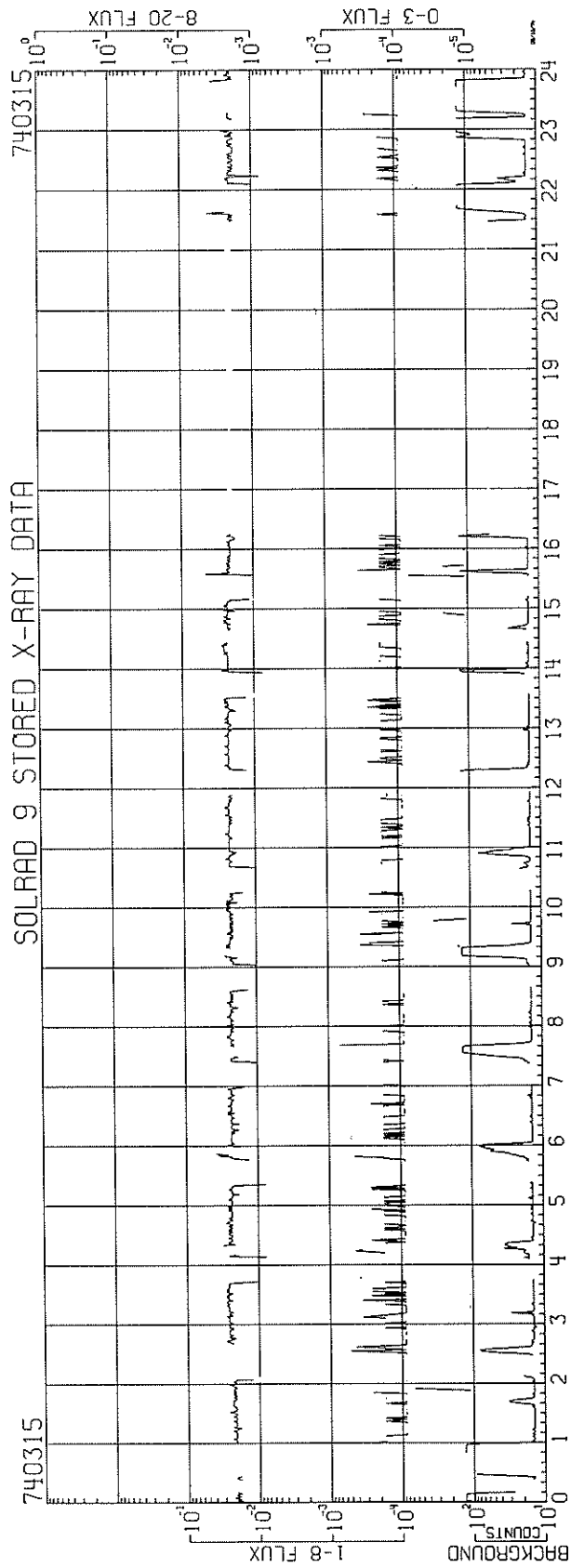
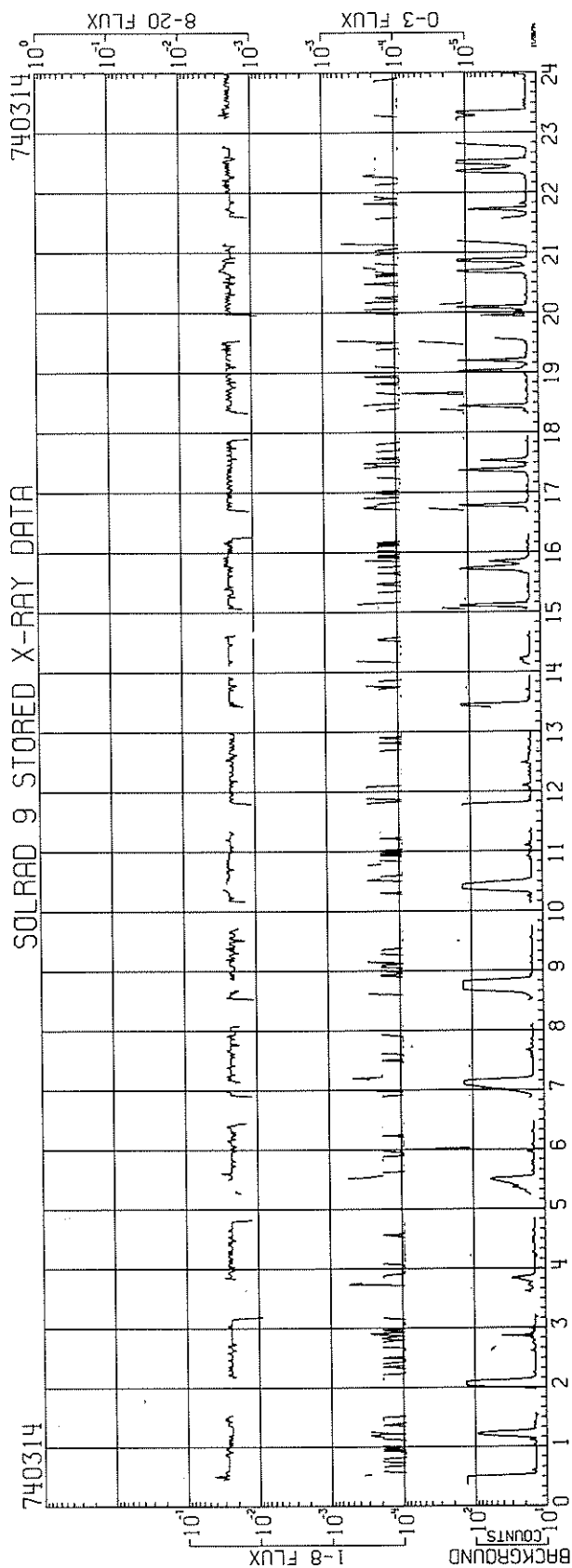
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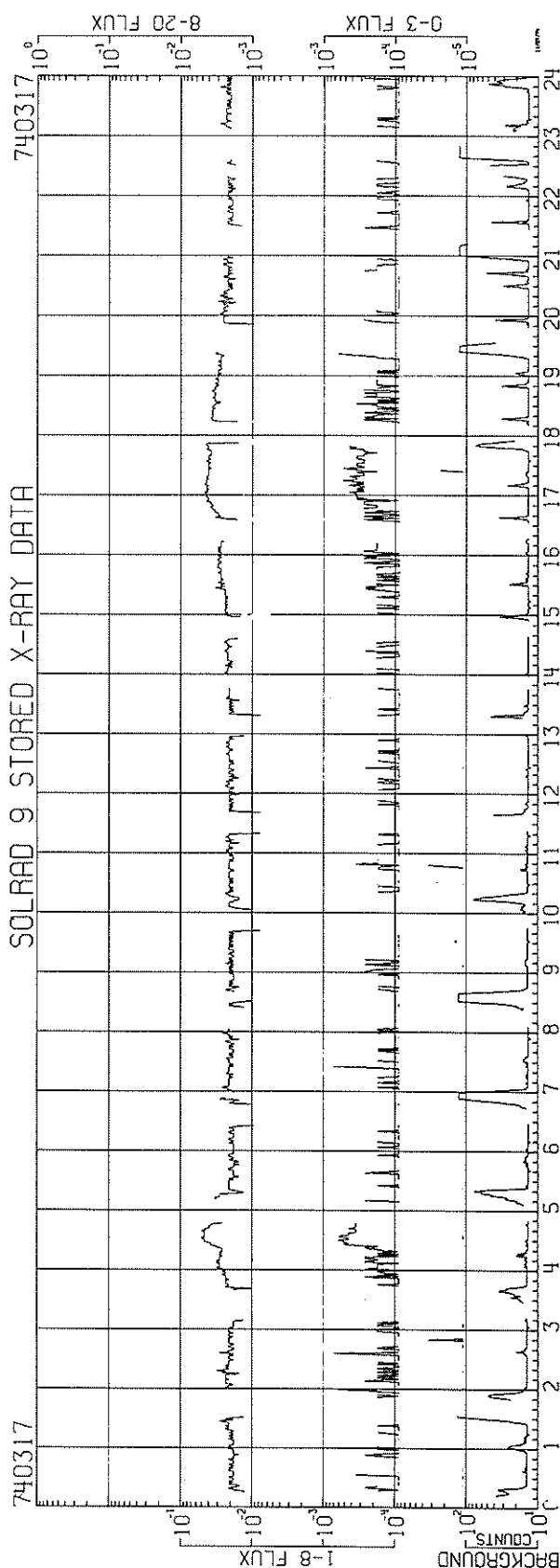
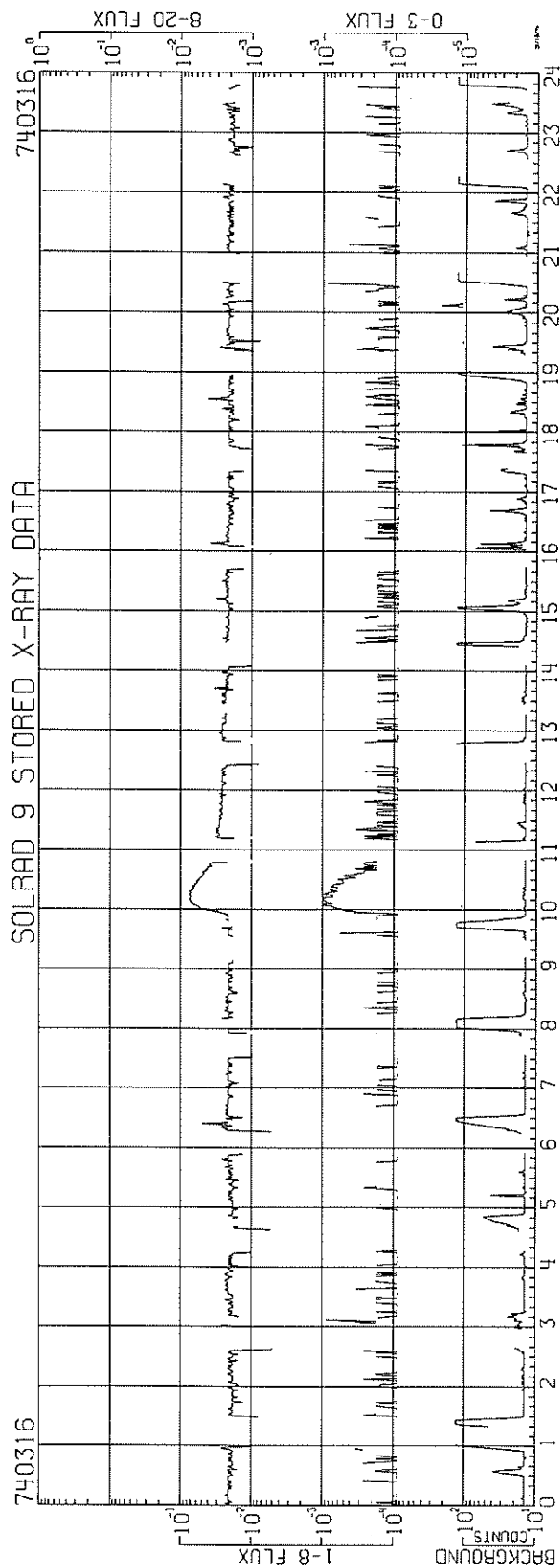
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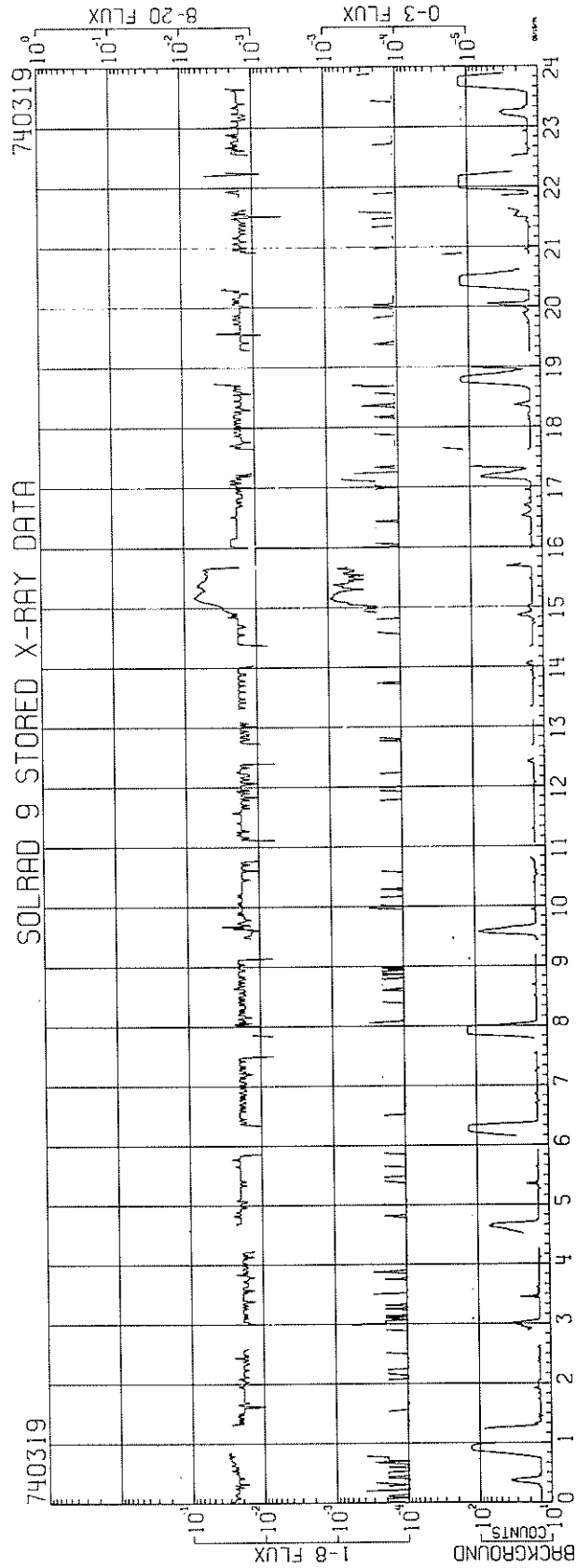
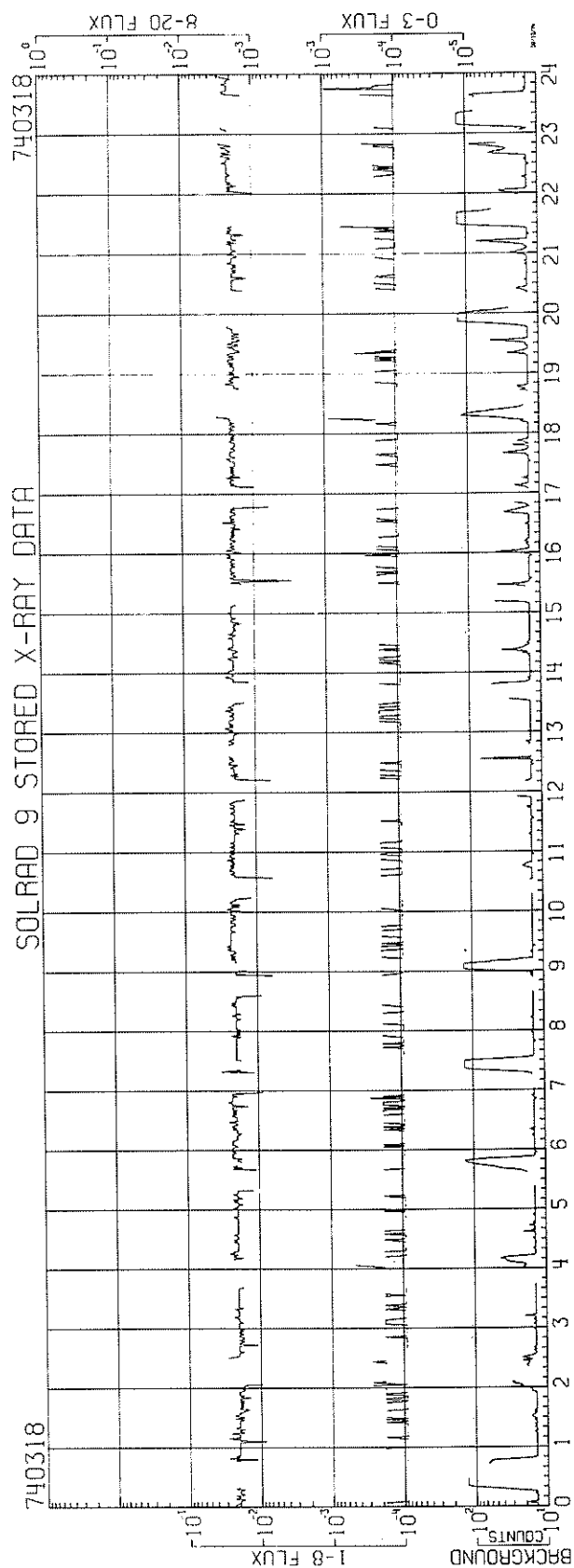
For explanations of the data contained herein see *Descriptive Text* published as supplement to February 1974 *Solar-Geophysical Data* (Number 354).

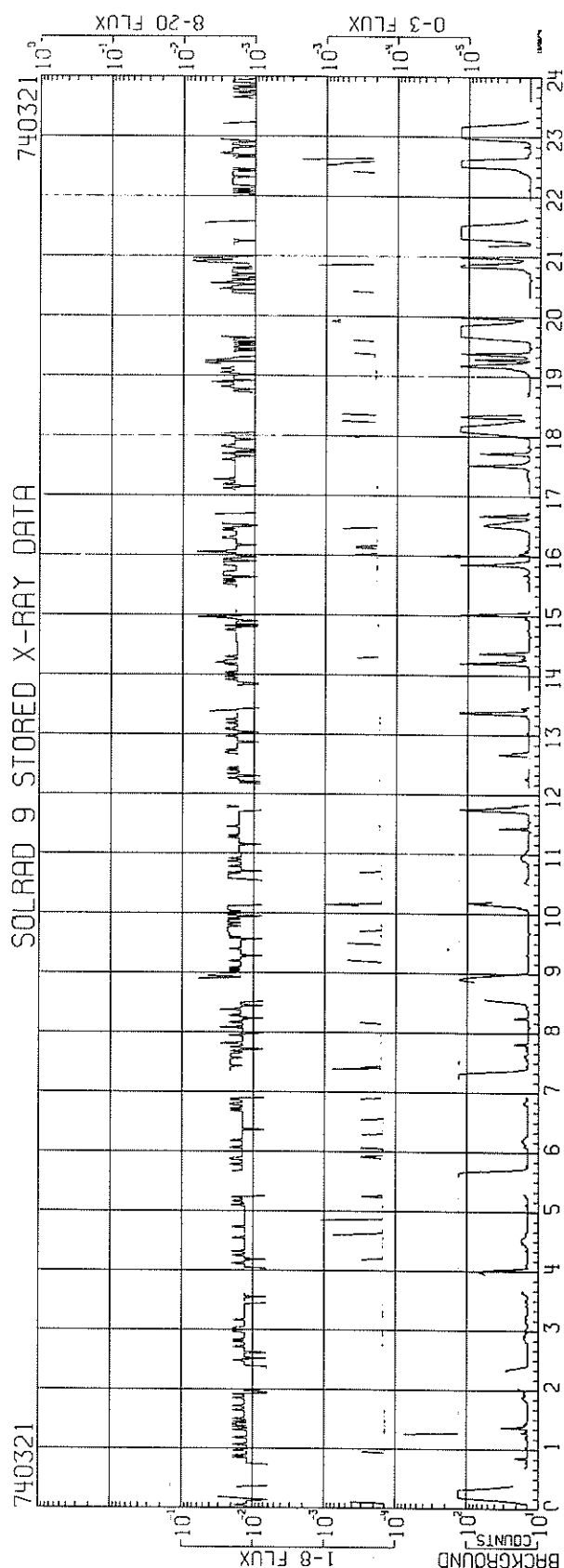
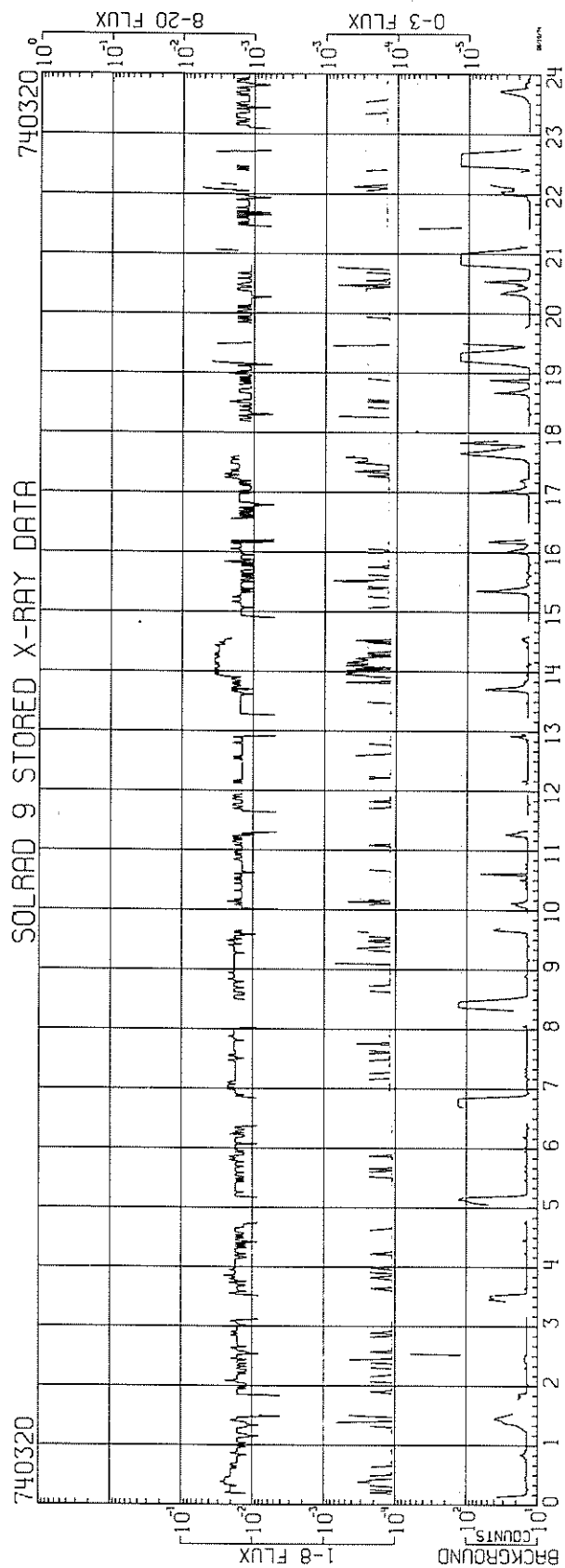
SOLAR X-RAYS MEASURED BY SATELLITE SOLRAD 9 - EXPLORER 37

MARCH 1974

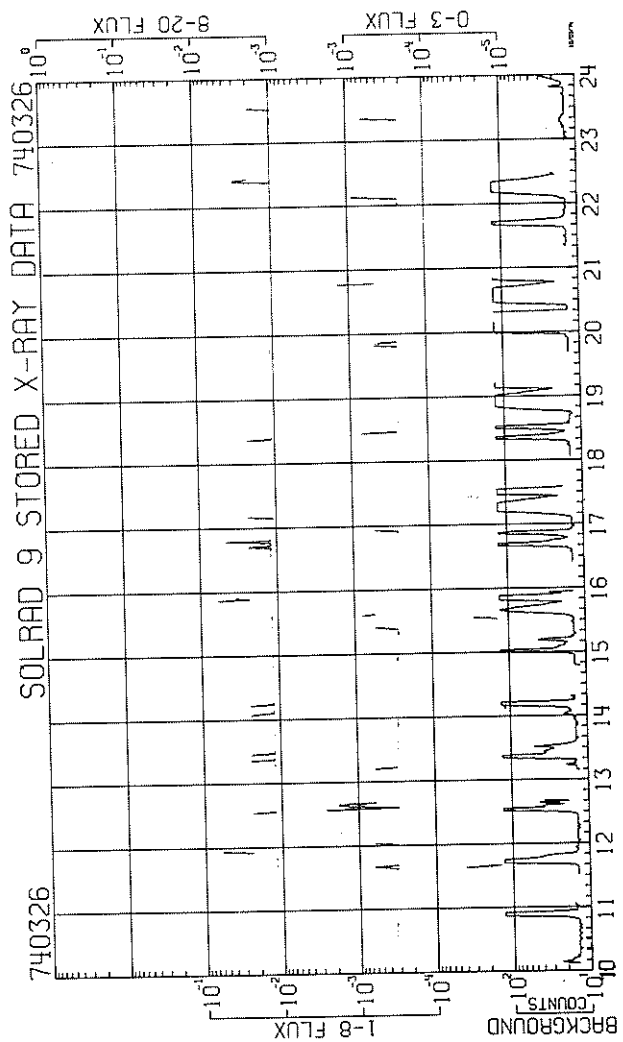
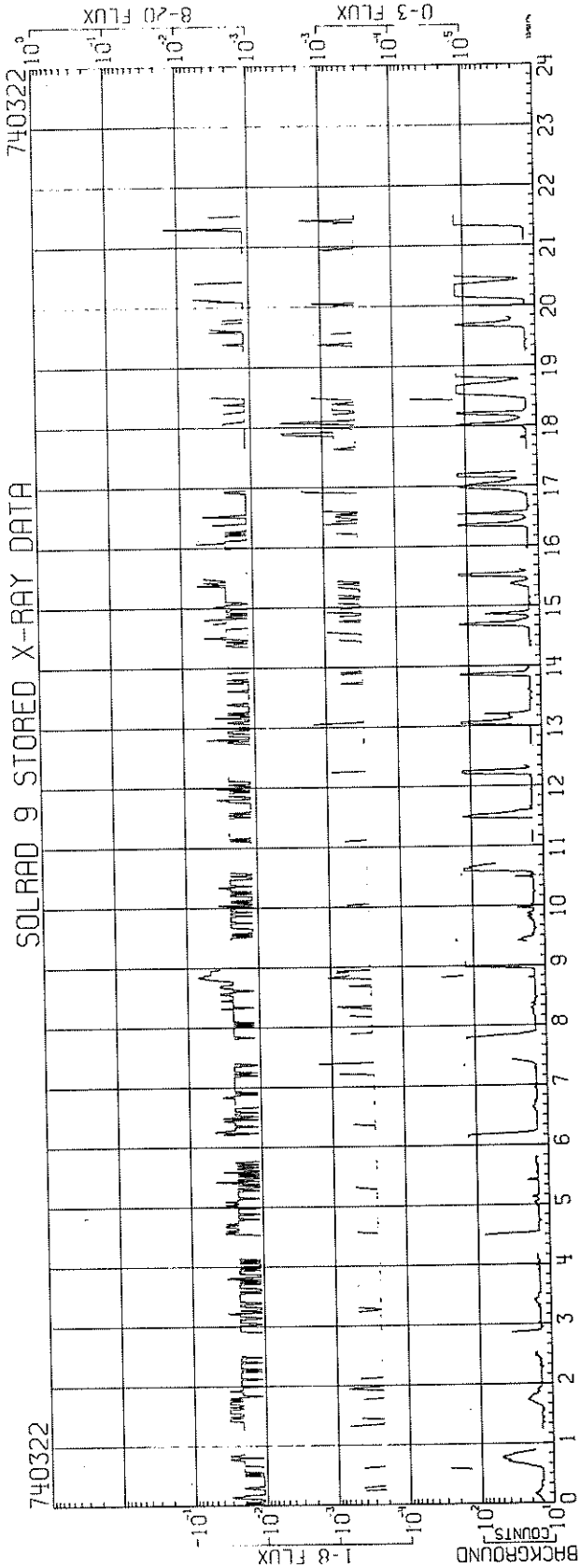




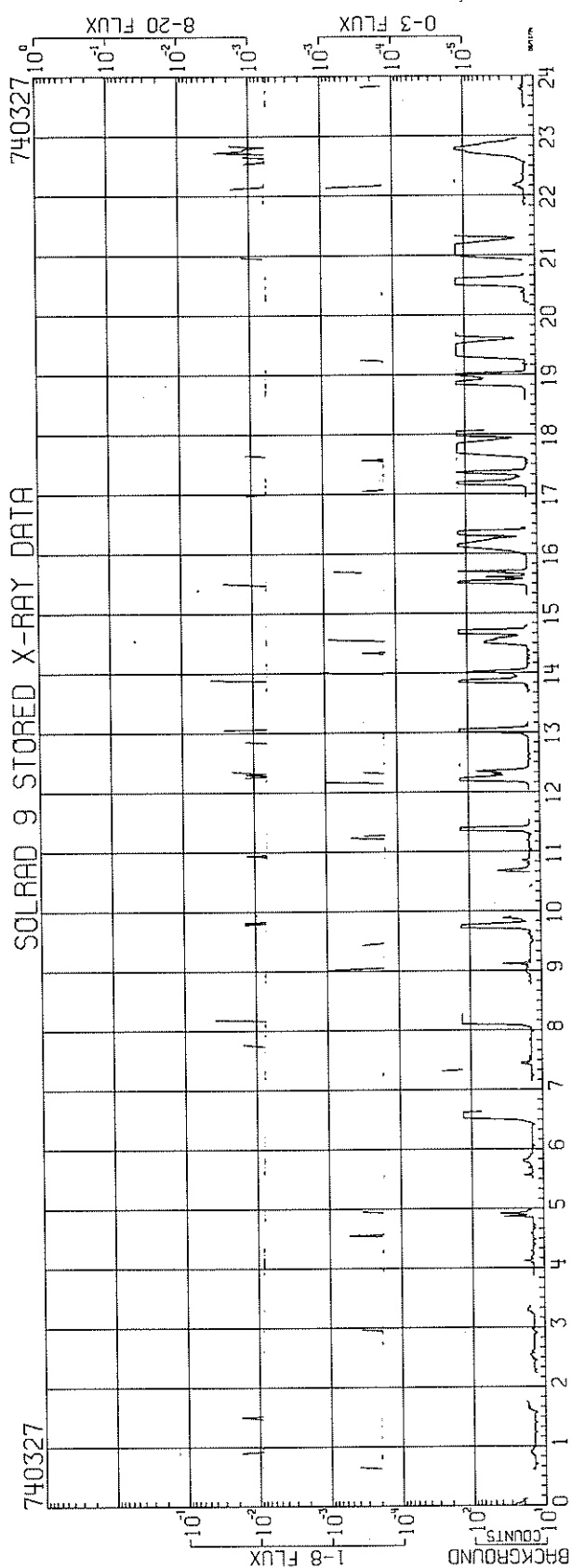




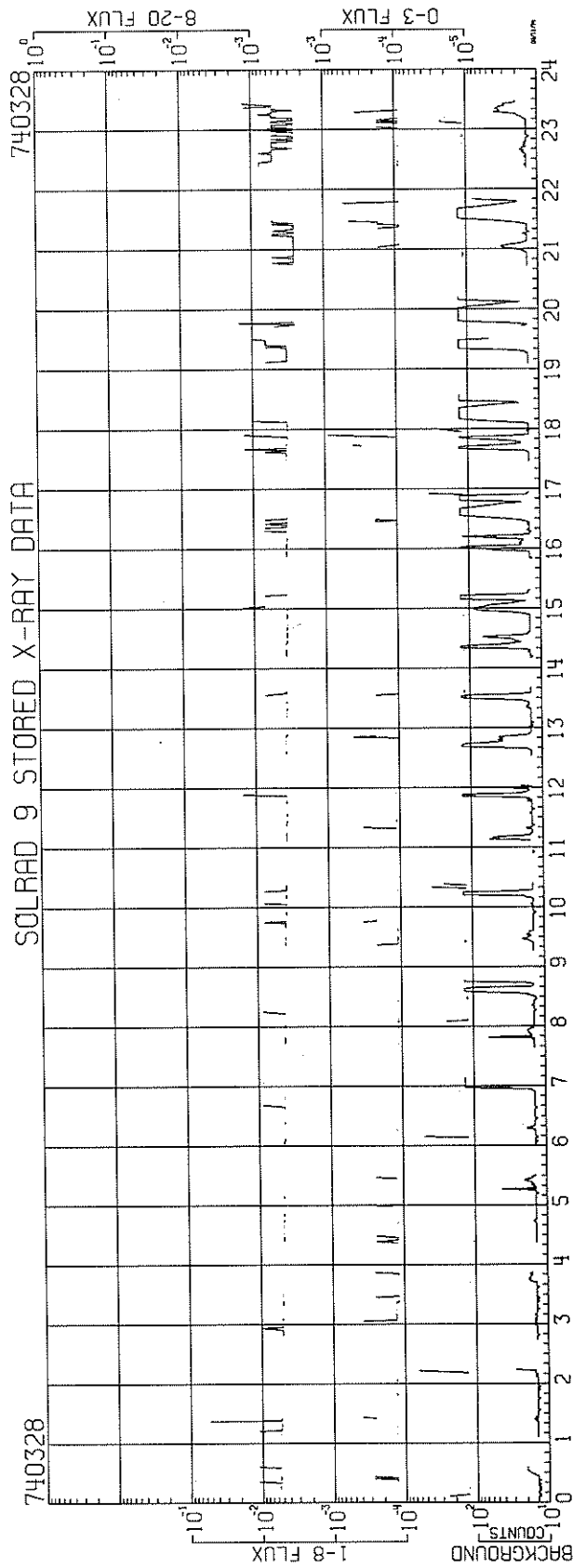
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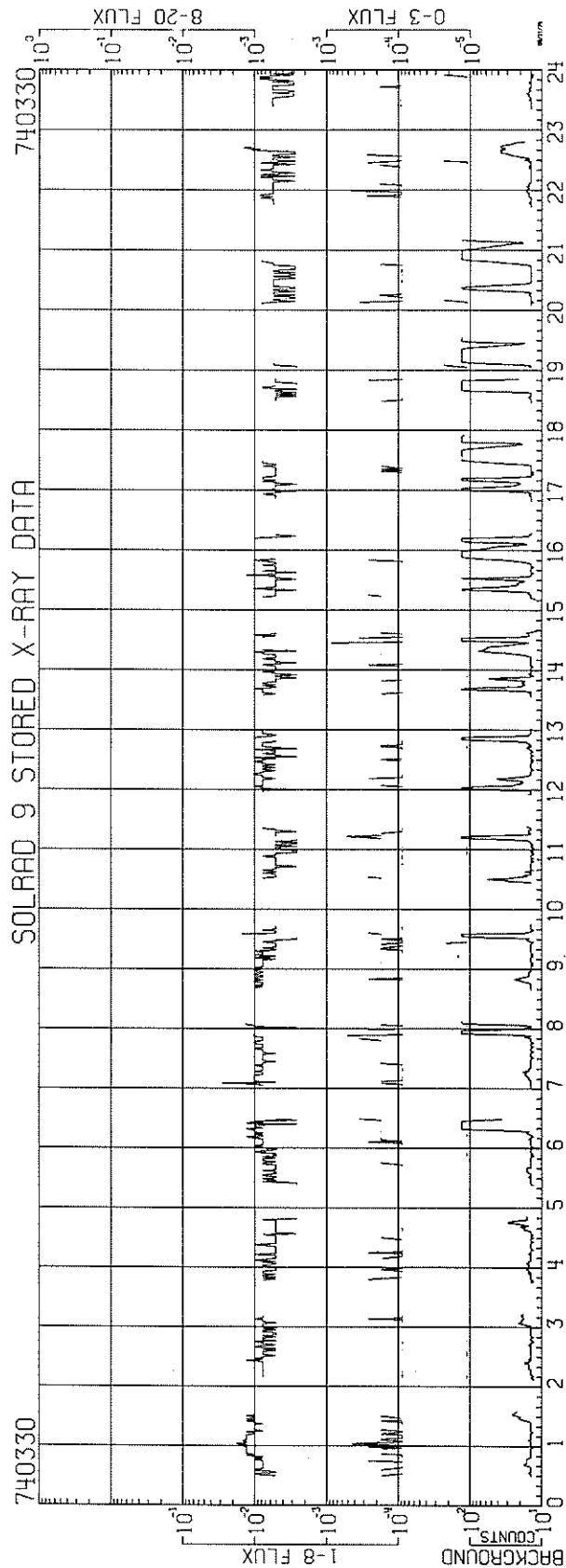
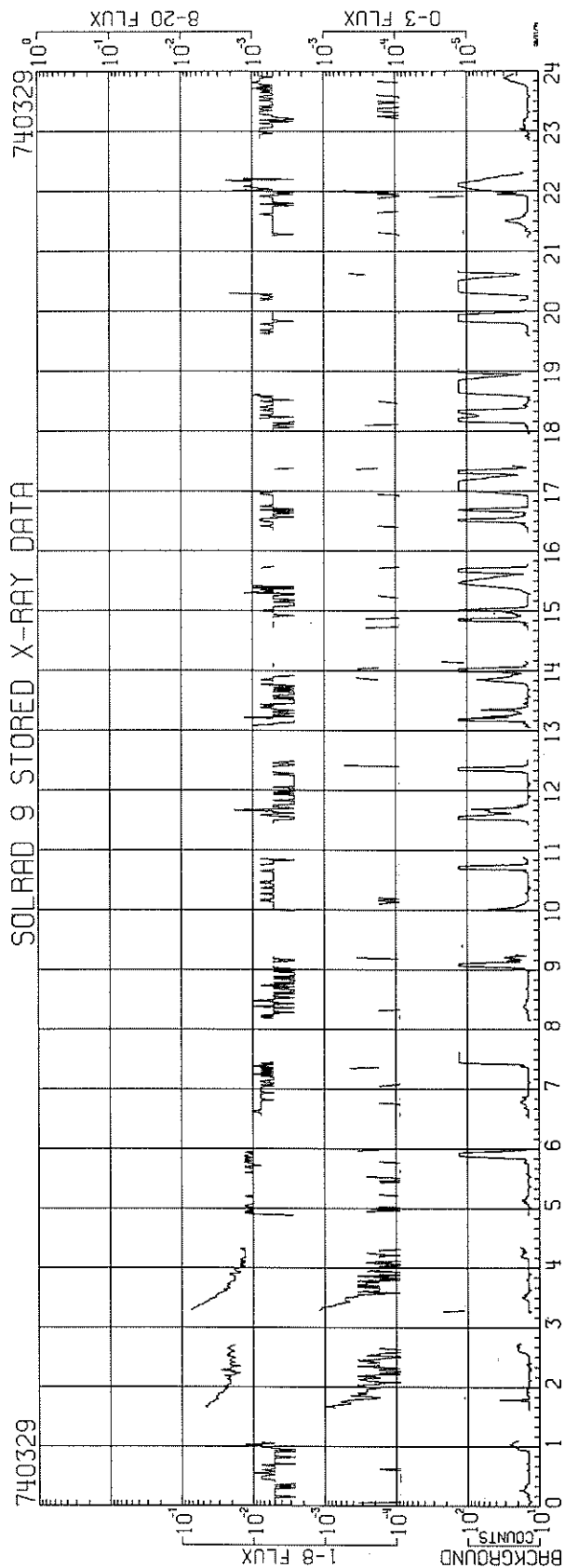


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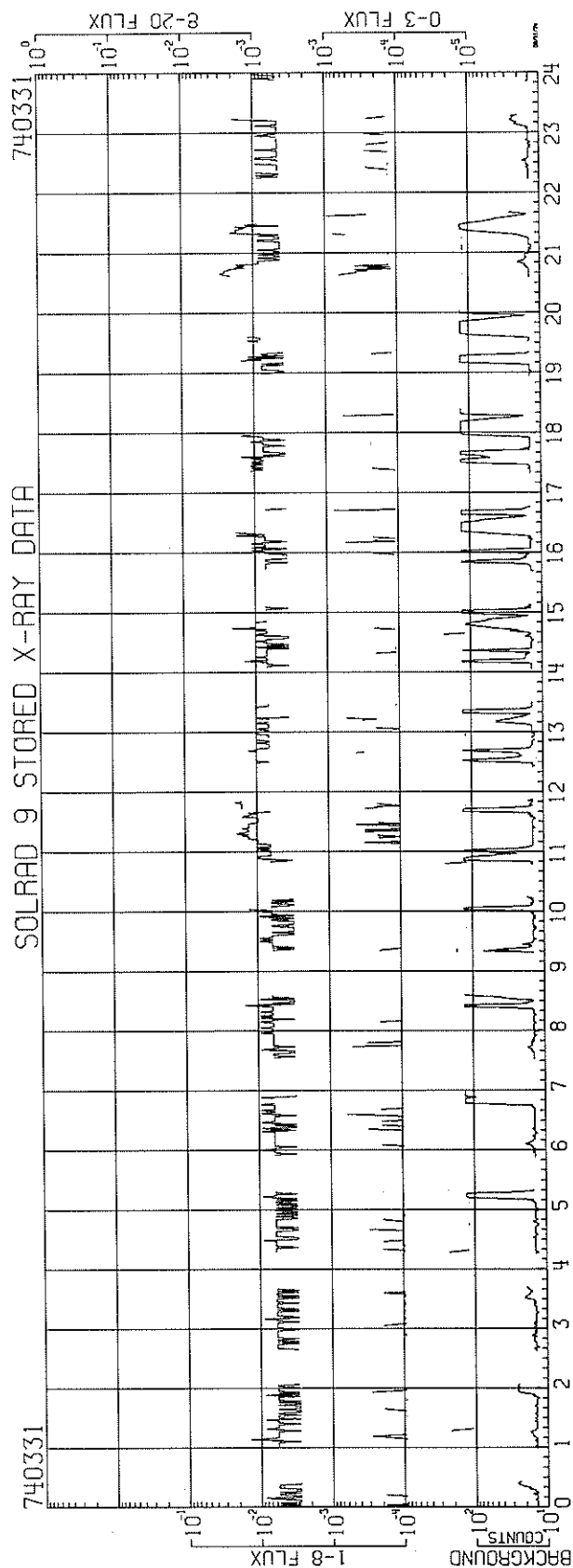


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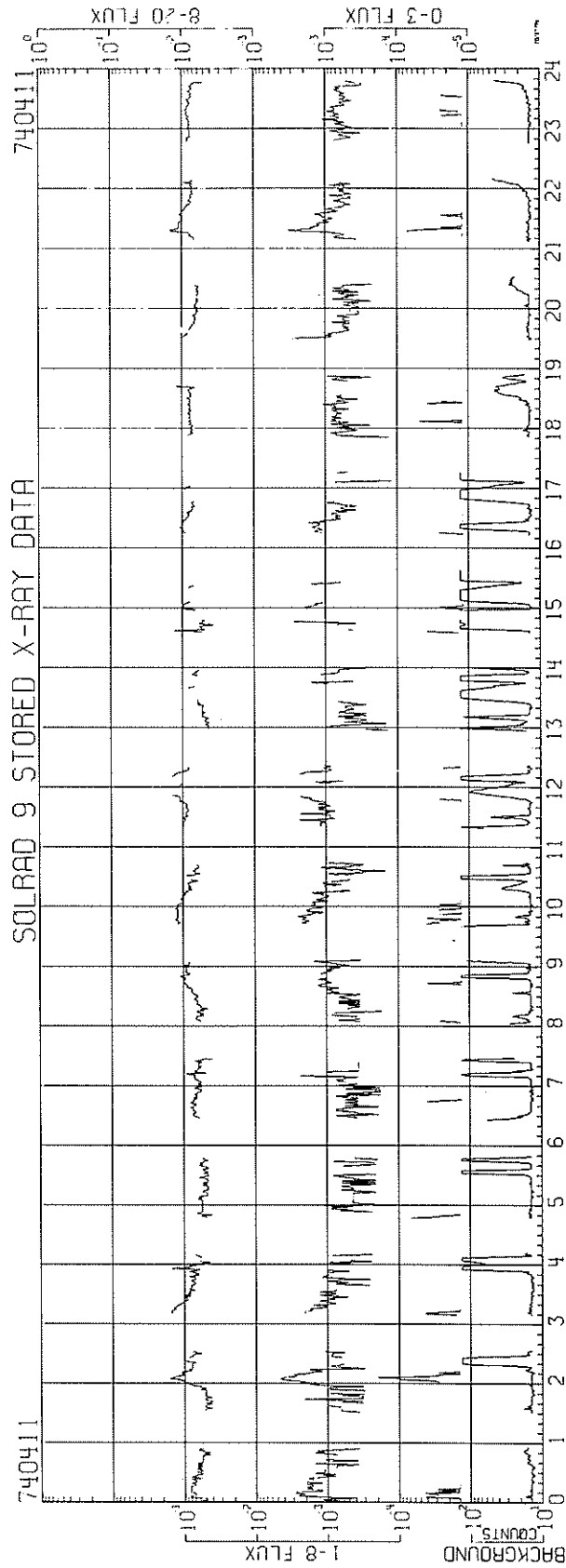
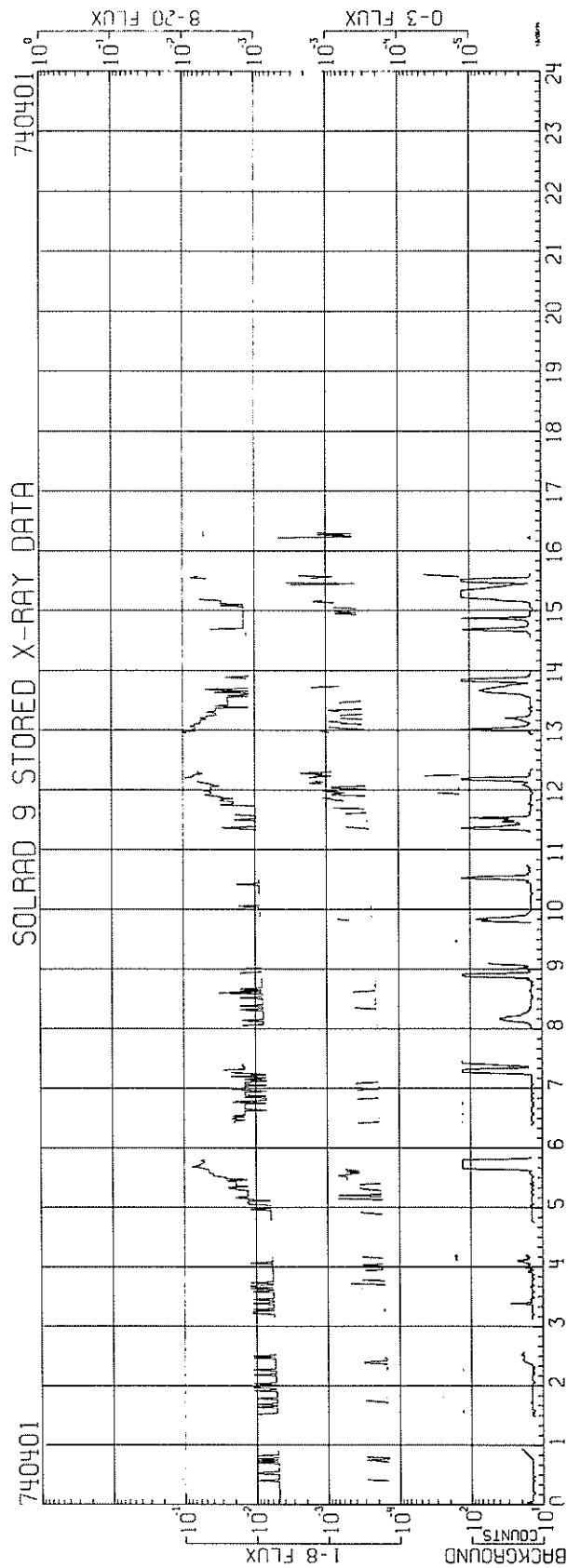


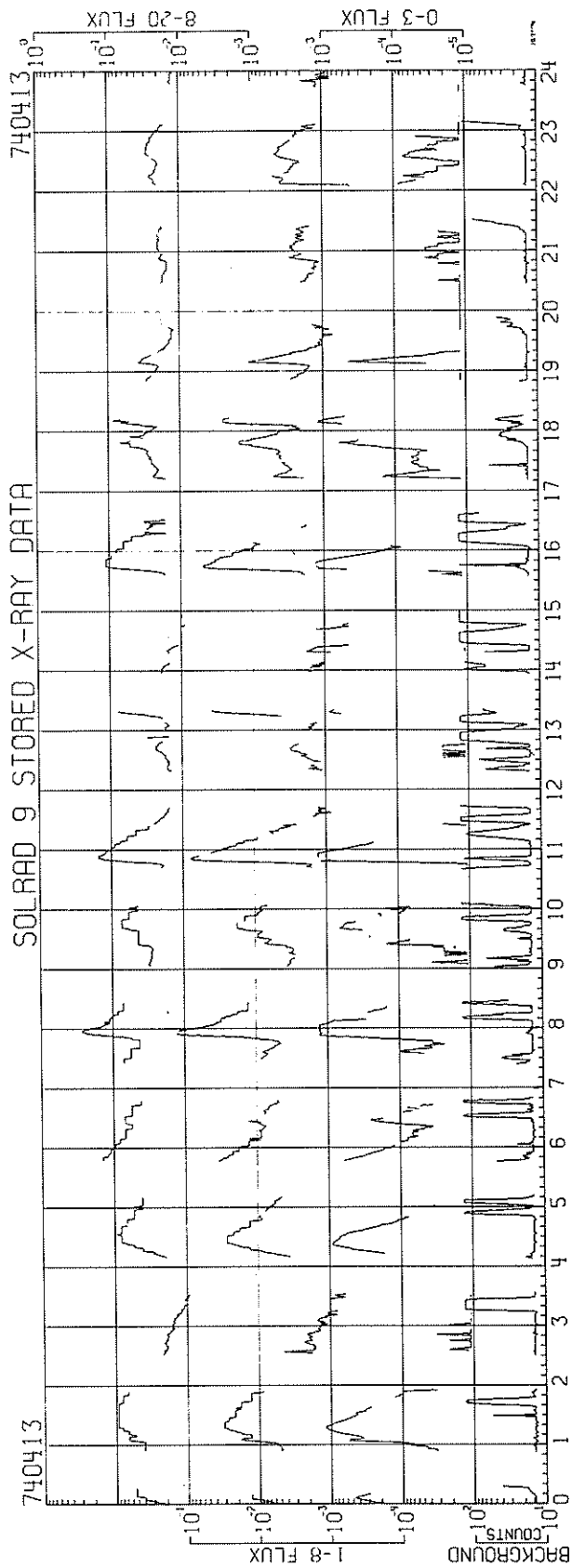
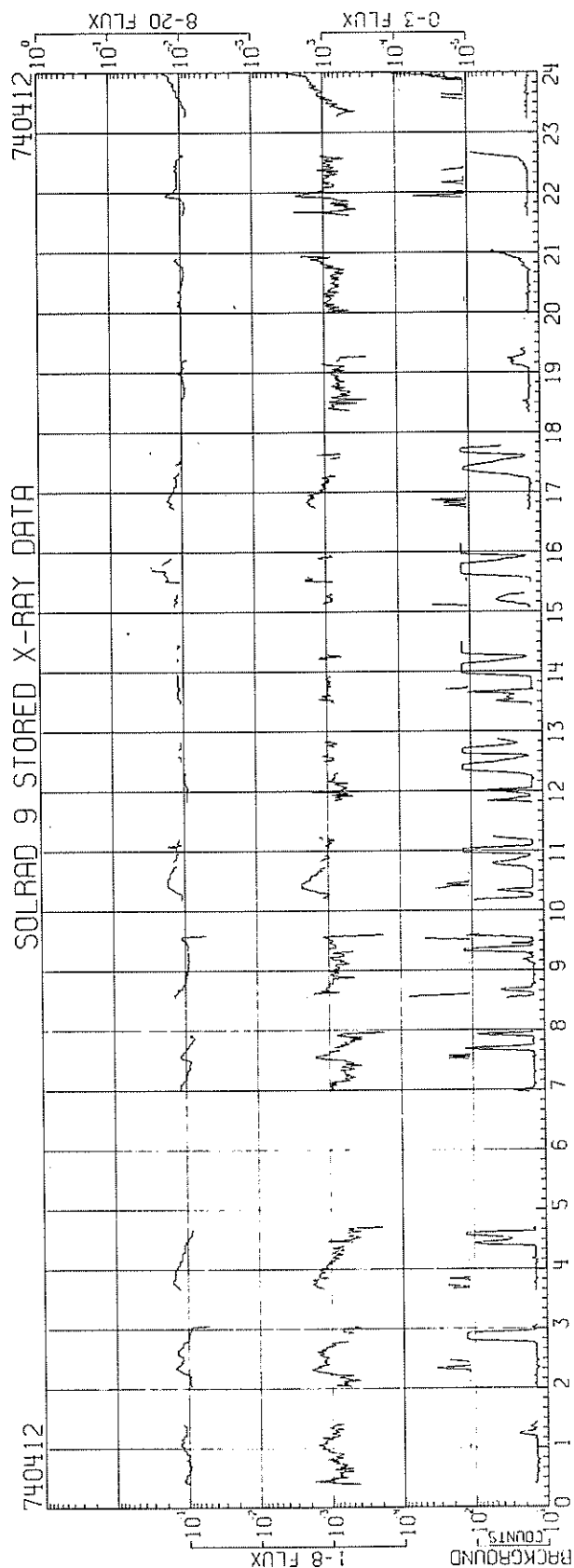
91
Misc
Mar 74



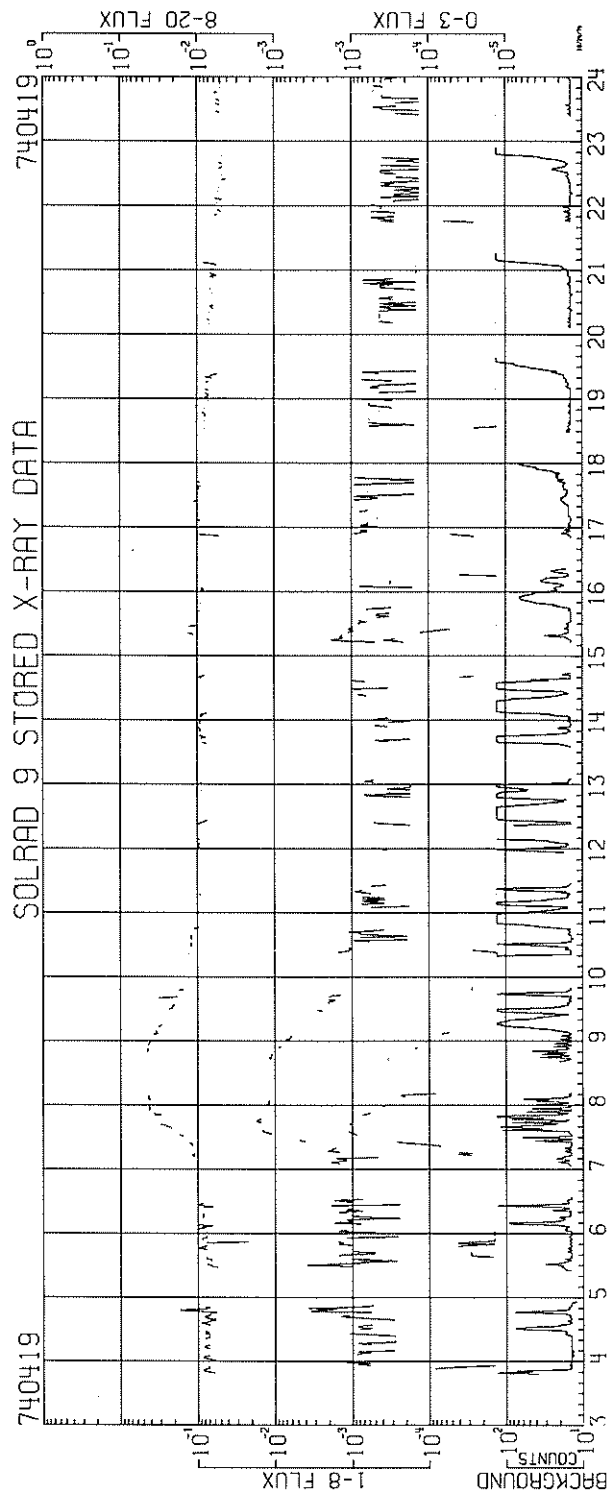
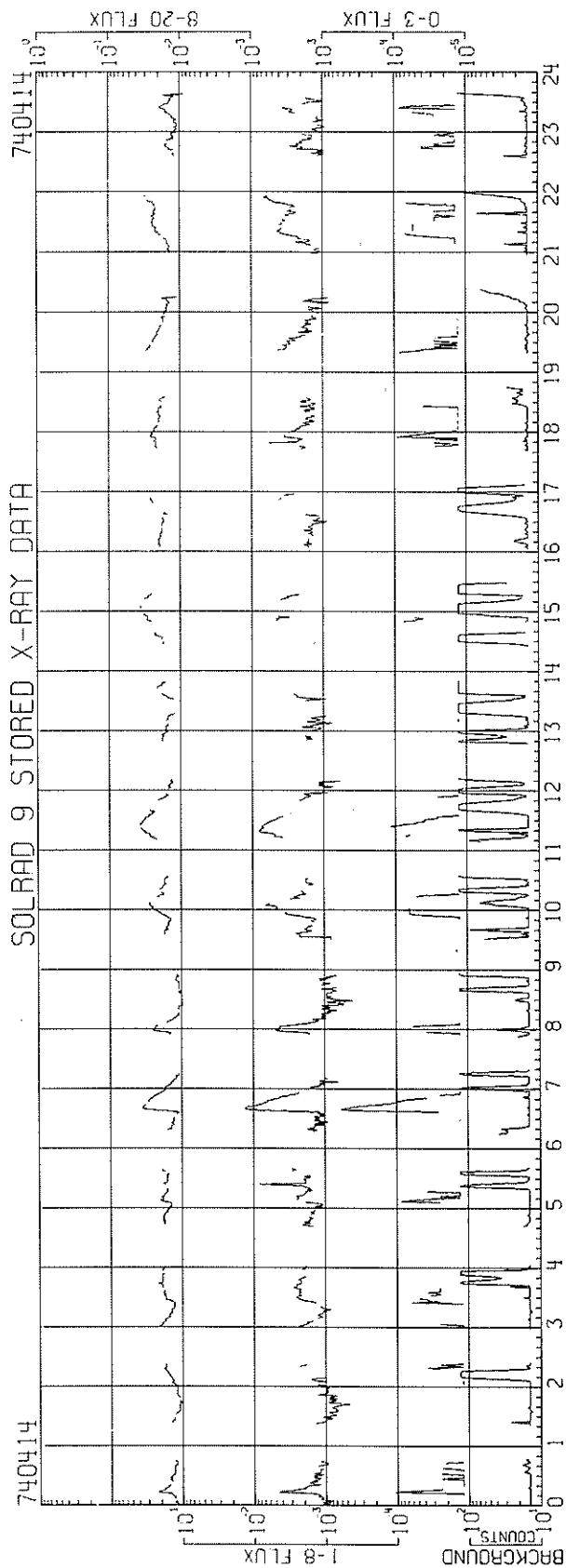
SOLAR X-RAYS MEASURED BY SATELLITE SOLRAD 9 - EXPLORER 37

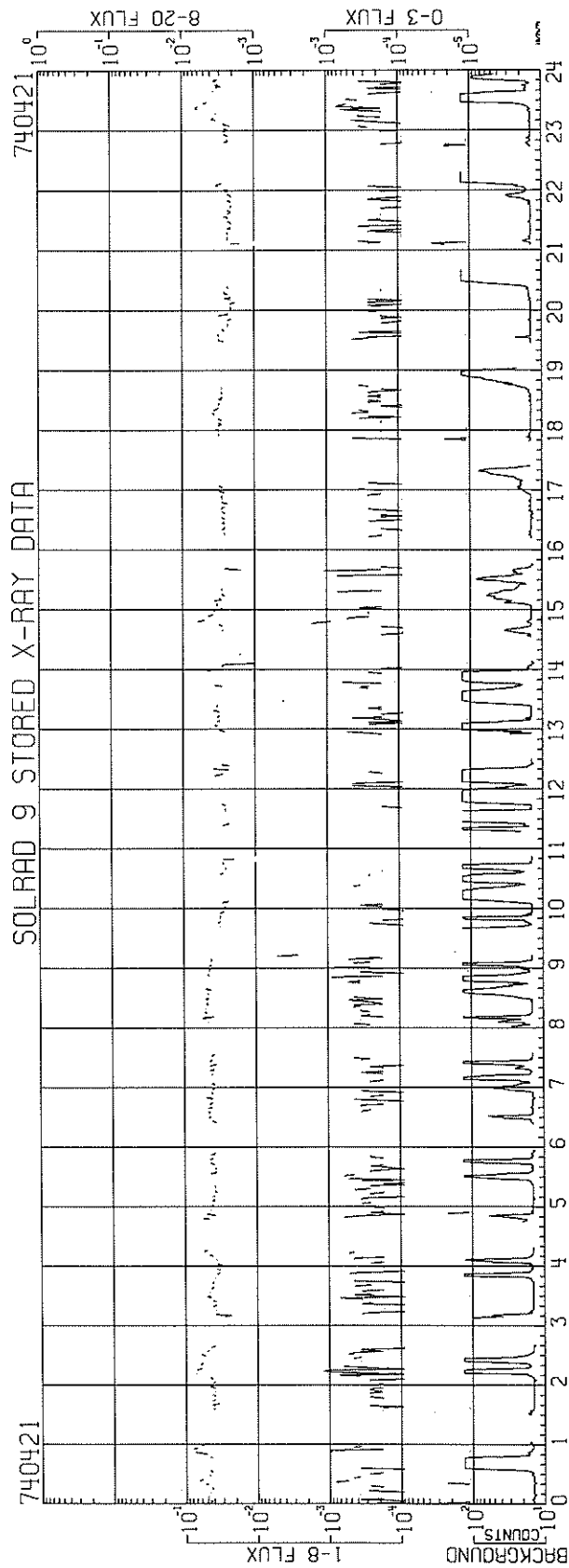
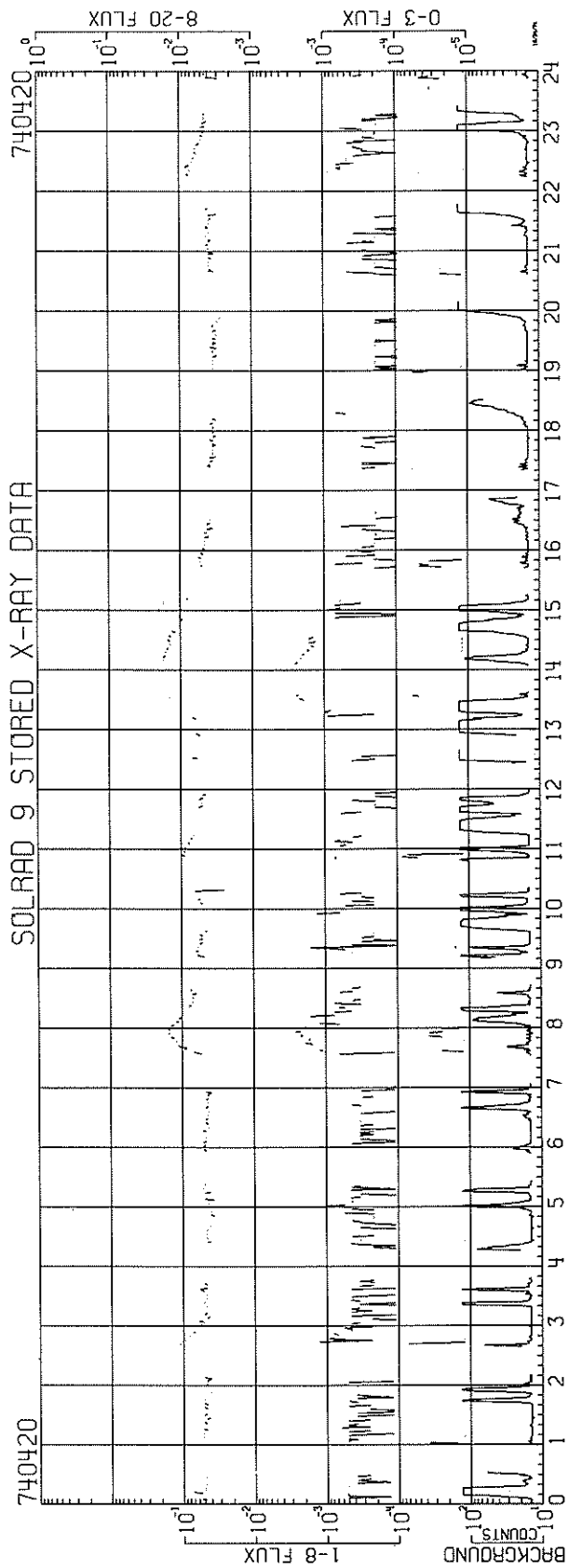
APRIL 1974





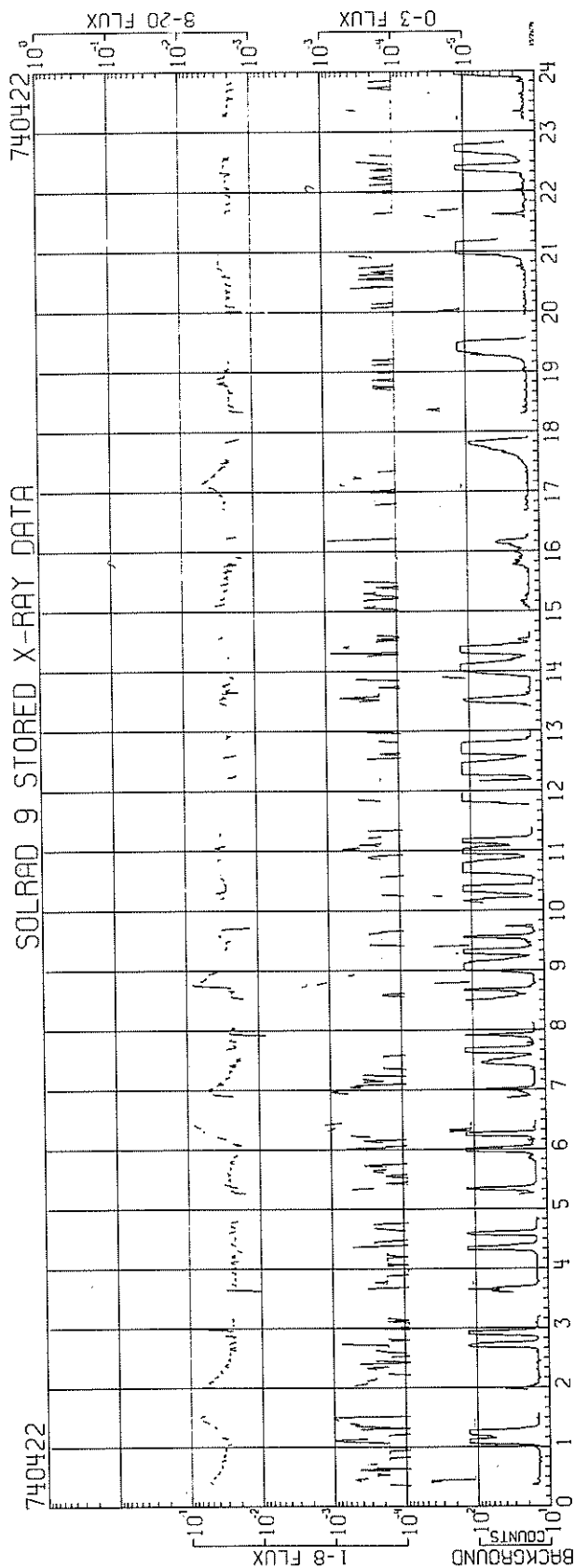
94
Misc
Apr 74



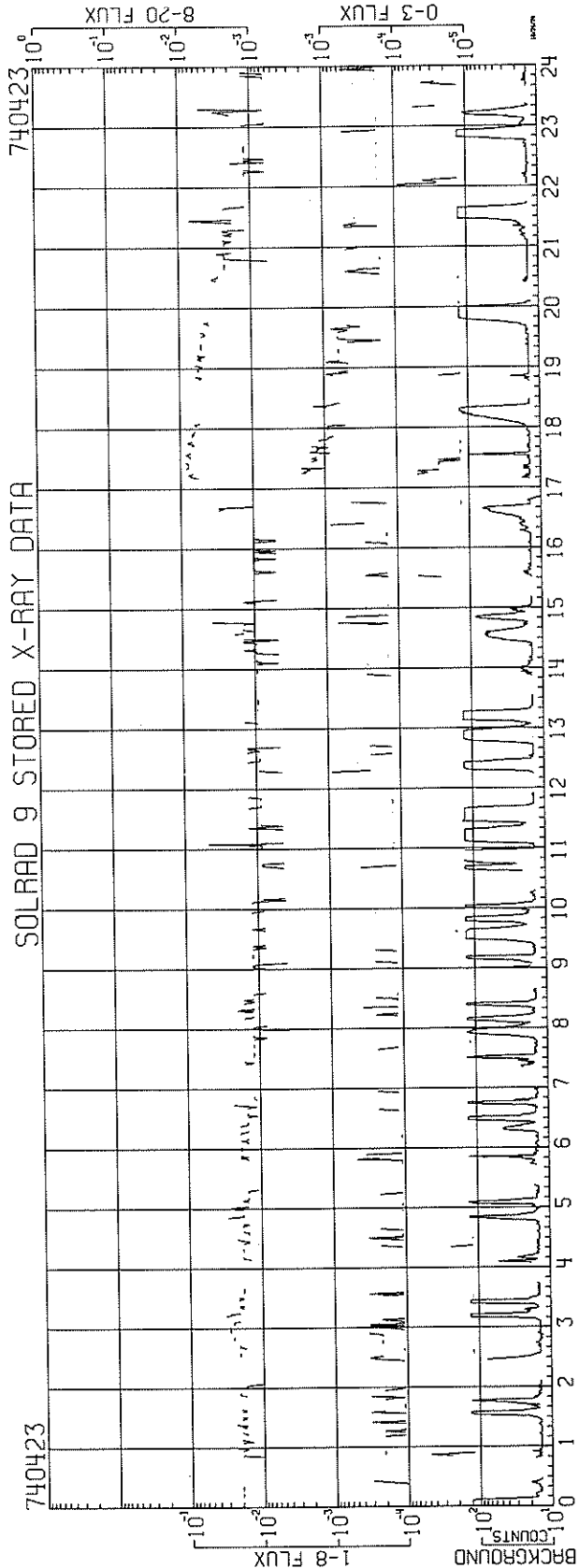


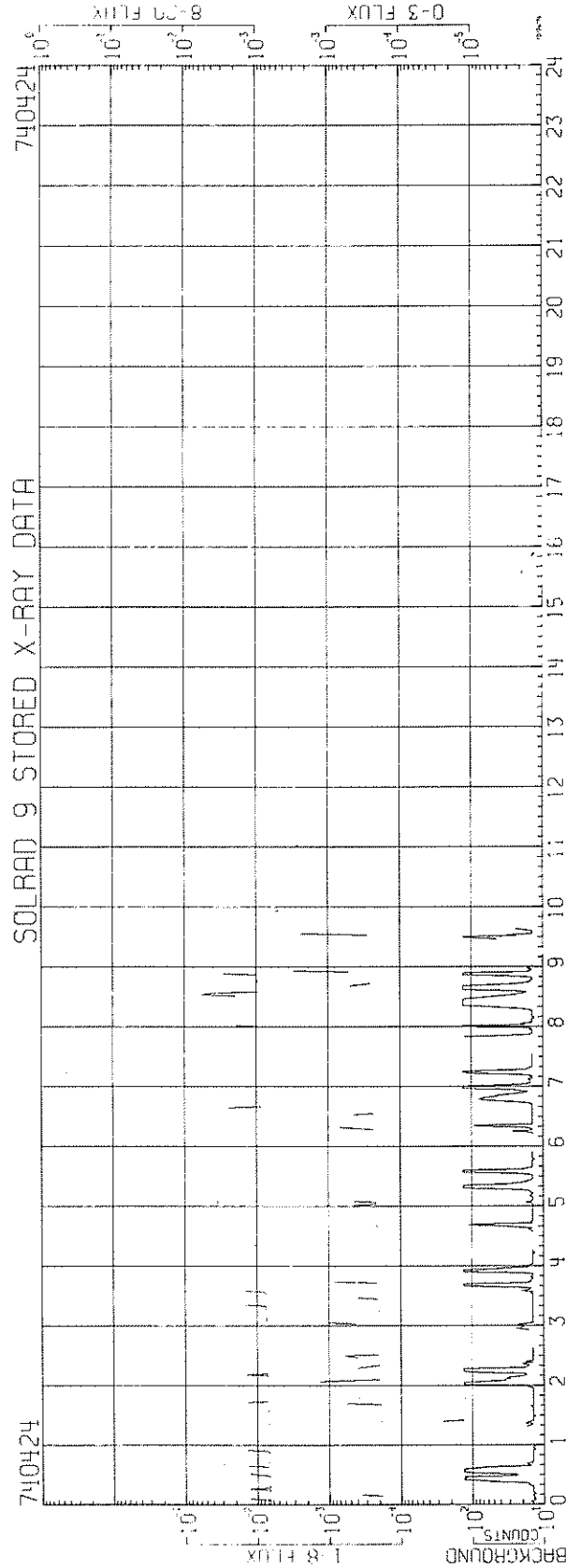
96
Misc
Apr 74

SOLRAD 9 STORED X-RAY DATA

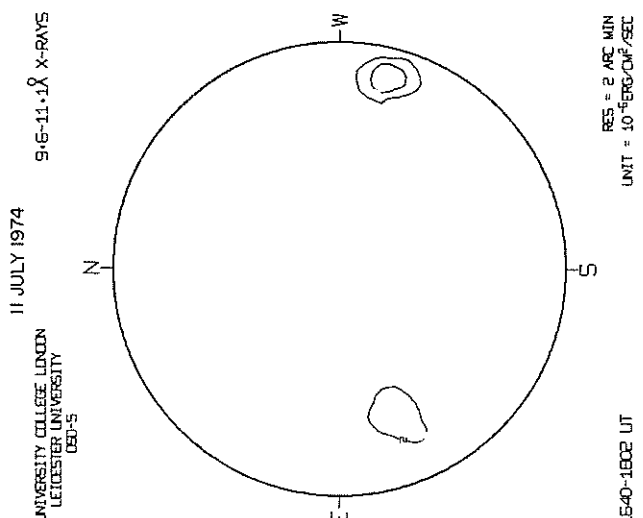
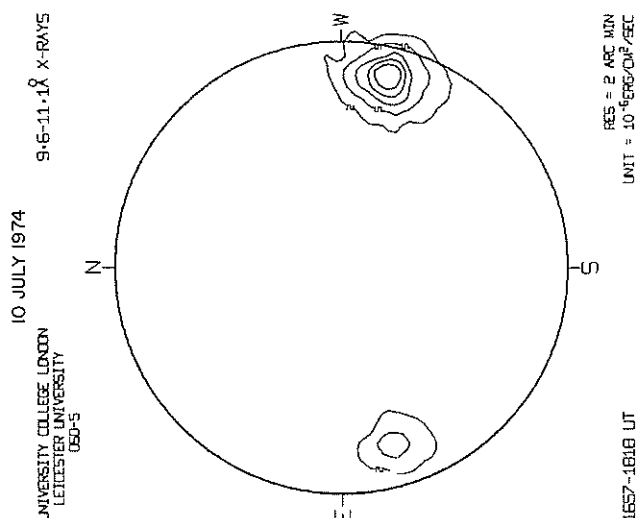
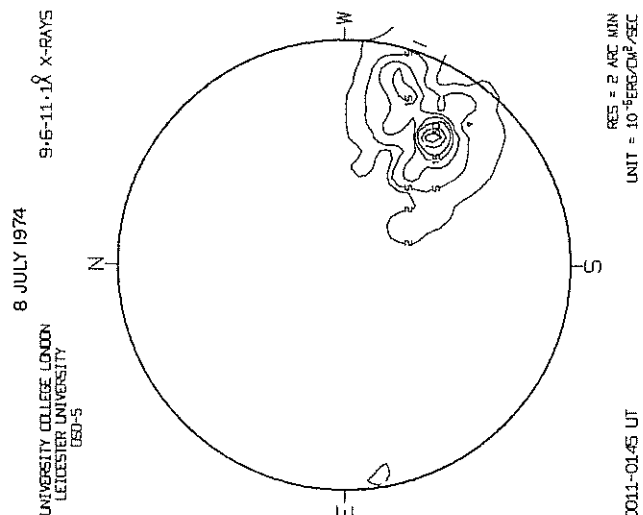
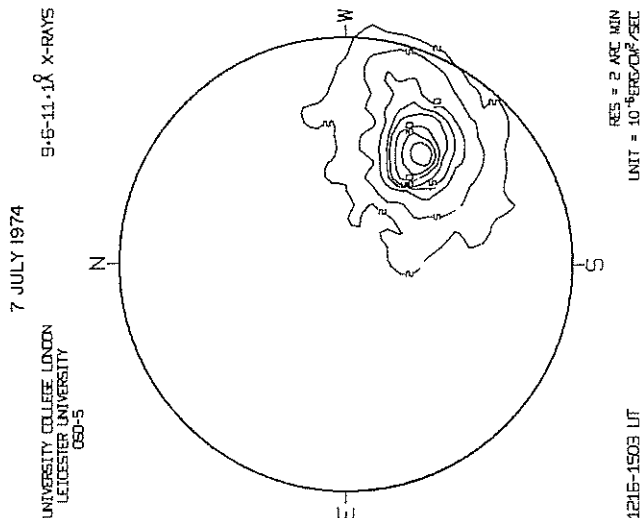
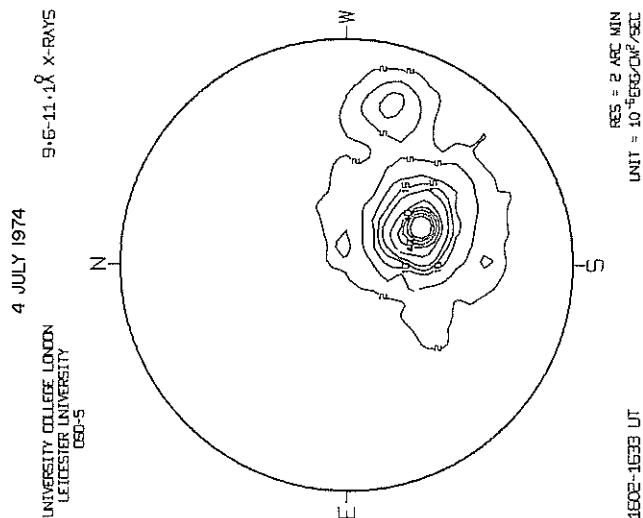
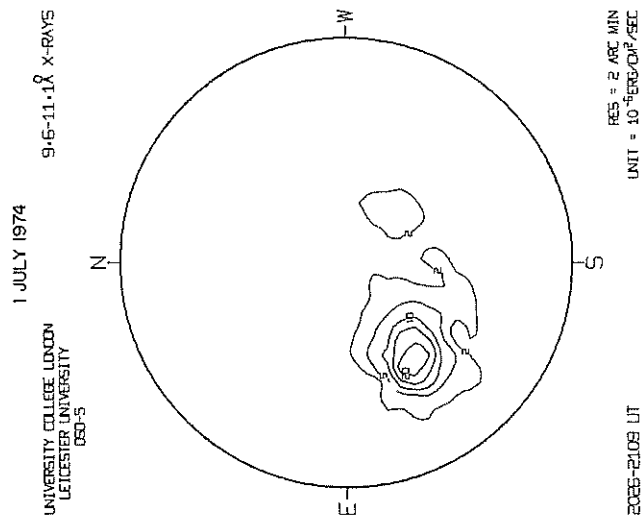


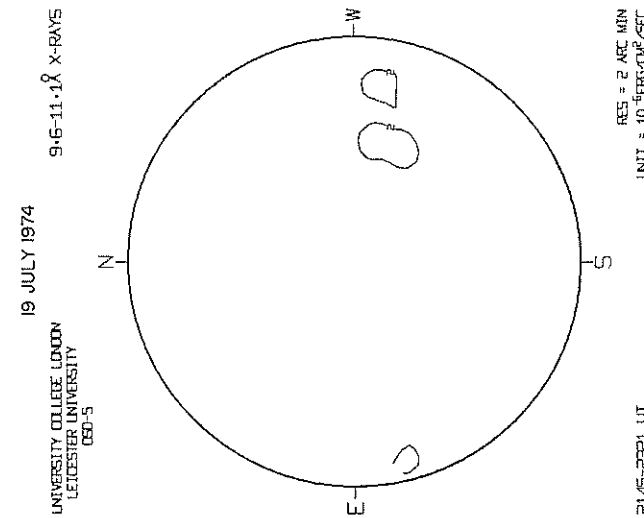
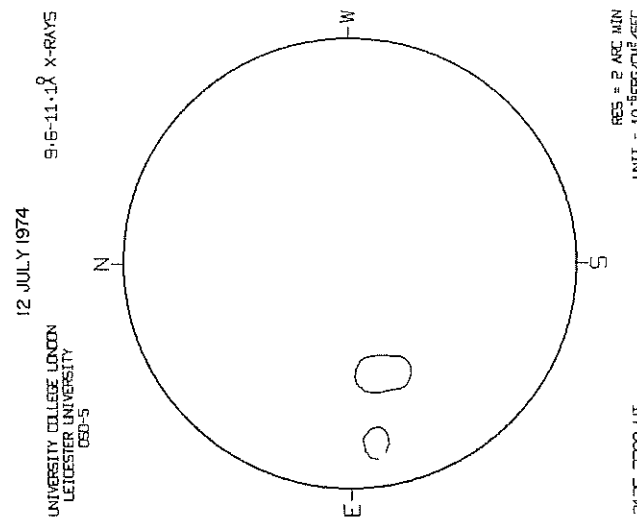
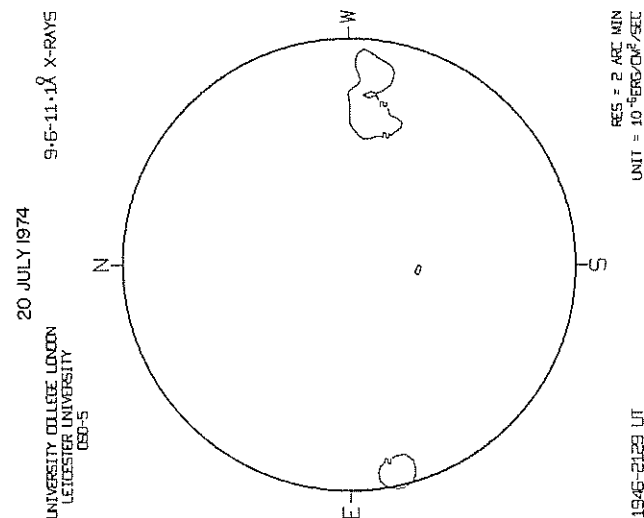
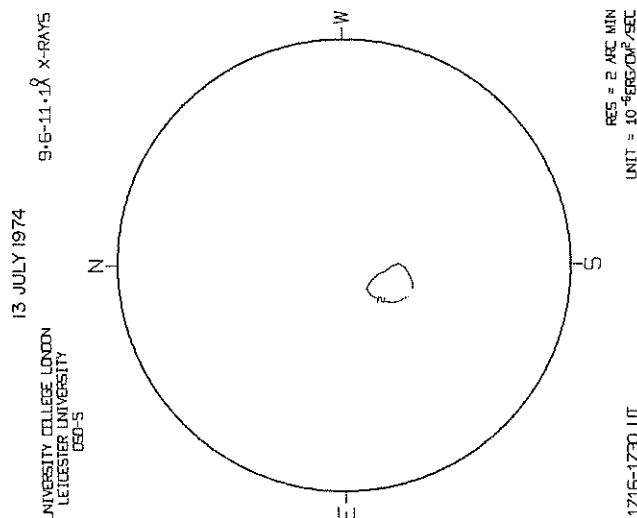
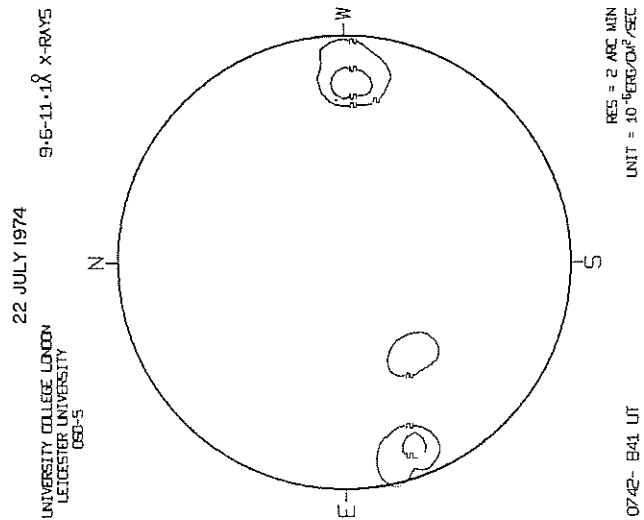
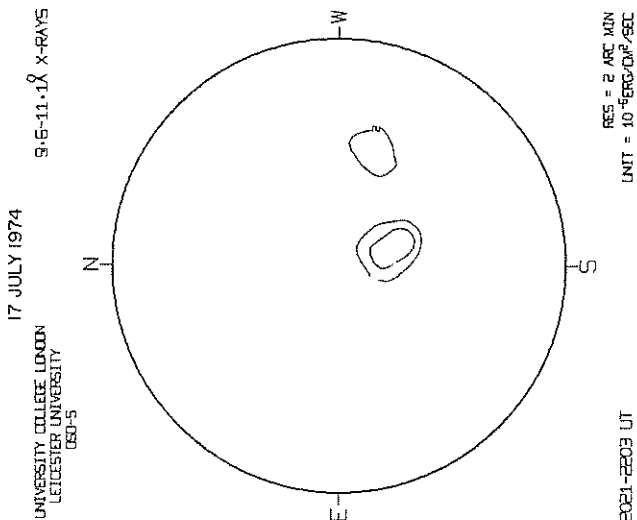
SOLRAD 9 STORED X-RAY DATA





Note: These are the last X-ray graphs produced from the memory system of SOLRAD 9. The tabulations for the same period were published in *Solar-Geophysical Data* 364-Part II, pp. 57-61.

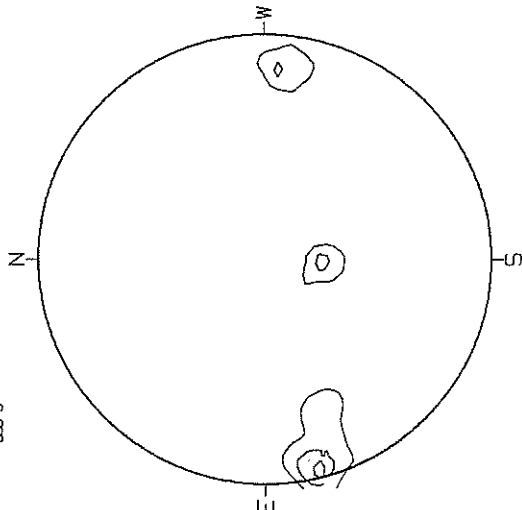




24 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

9.6-11.1 Å X-RAYS



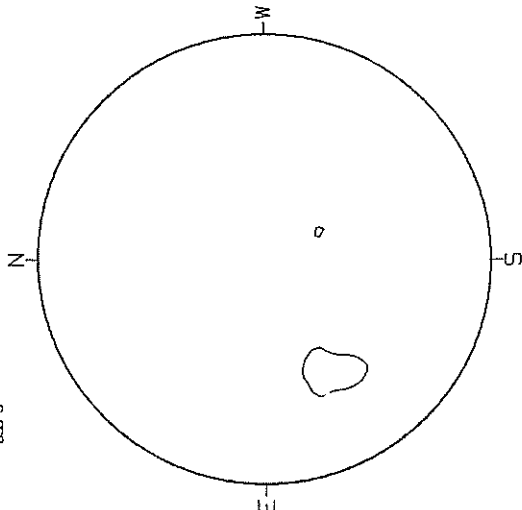
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0807-0855 UT

28 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

9.6-11.1 Å X-RAYS



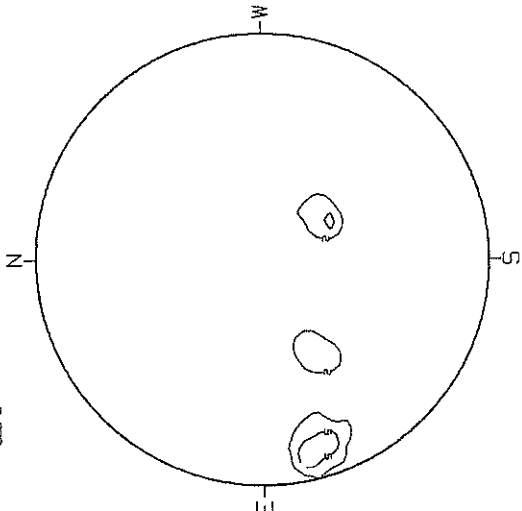
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0815-0910 UT

25 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

9.6-11.1 Å X-RAYS



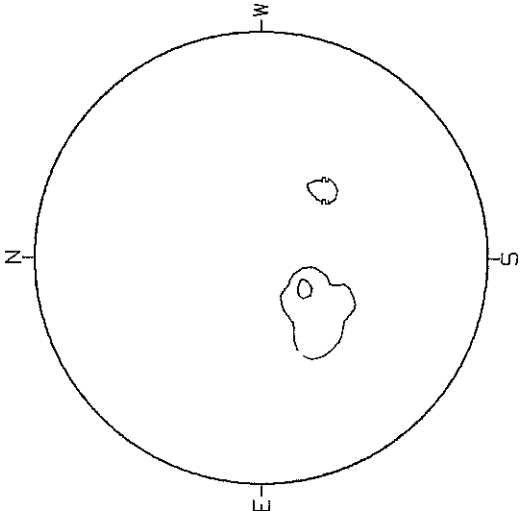
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1343-1523 UT

29 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

9.6-11.1 Å X-RAYS



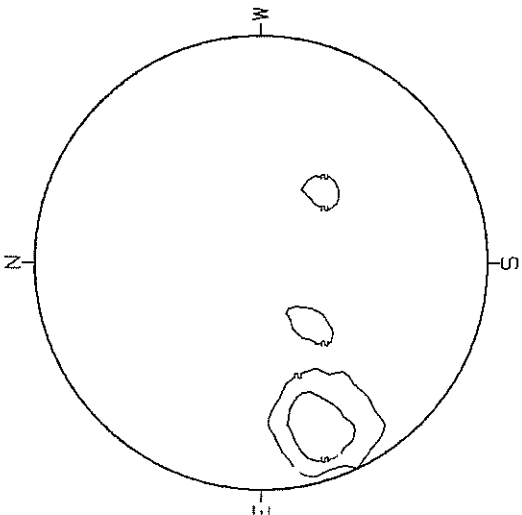
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0632-0723 UT

26 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

9.6-11.1 Å X-RAYS



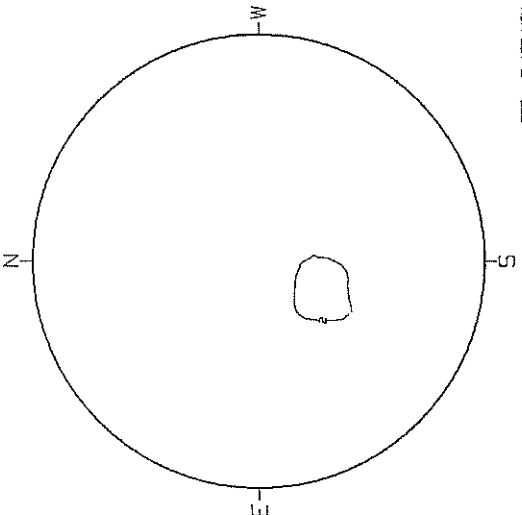
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0845-0853 UT

30 JULY 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
080-5

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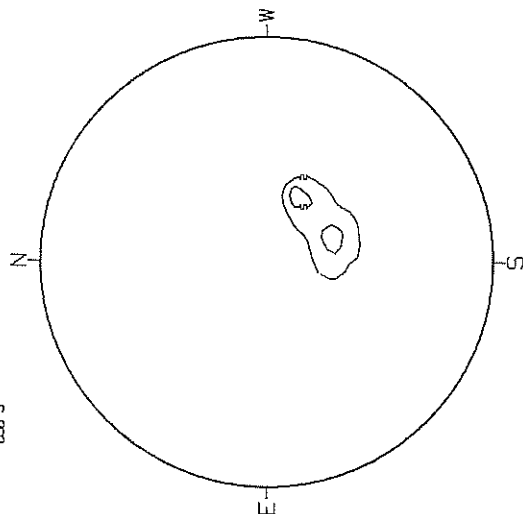
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0305-0402 UT

31 JULY 1974

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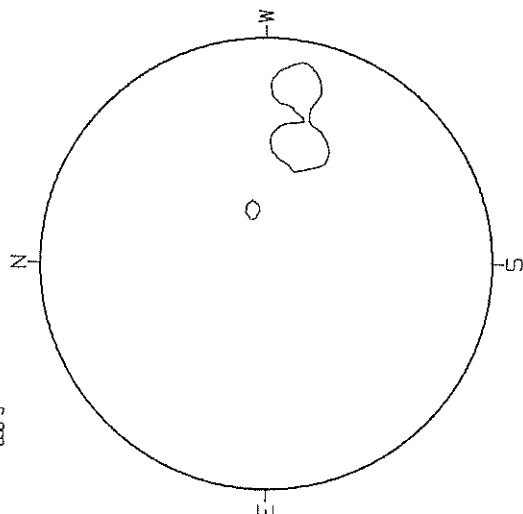


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16 AUGUST 1974

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GSD-5

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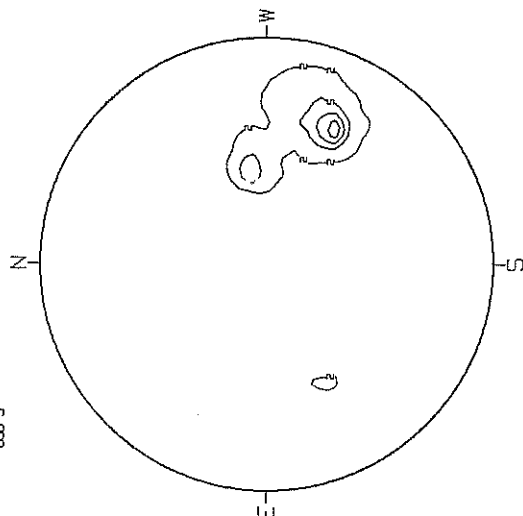


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17 AUGUST 1974

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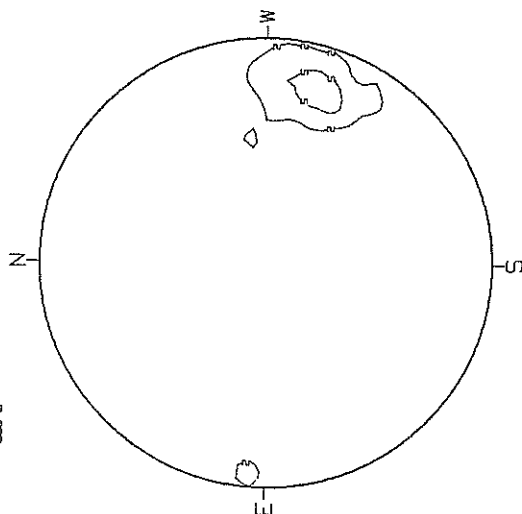


RES = 2 ARC MIN
UNIT = 10^{-6} ERG/CM²/SEC
0331-0333 UT

18 AUGUST 1974

UNIVERSITY COLLEGE LONDON
LEICESTER UNIVERSITY
GSD-5

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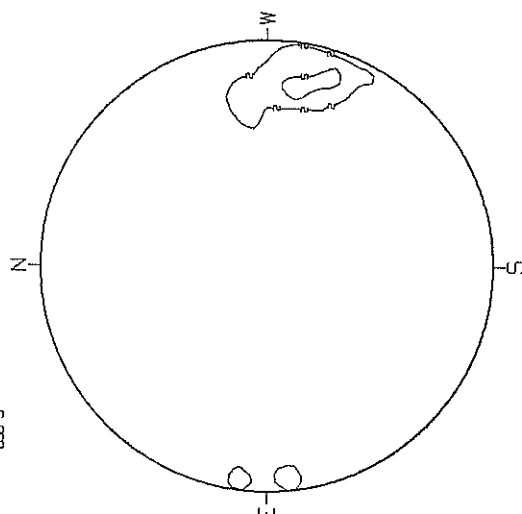


RES = 2 ARC MIN
UNIT = 10^{-6} ERG/CM²/SEC
0244-0342 UT

19 AUGUST 1974

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LEICESTER UNIVERSITY
GSD-5

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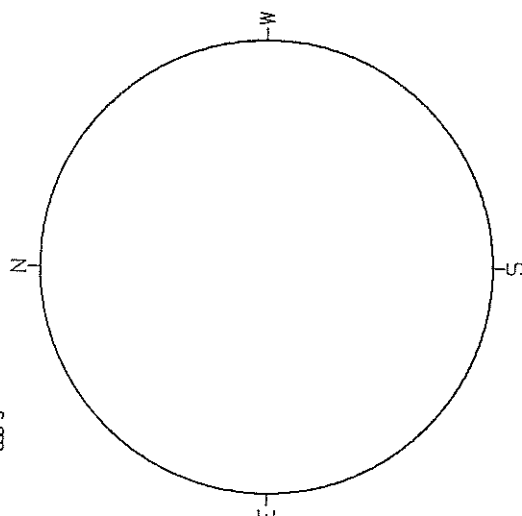


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2237-0019 UT

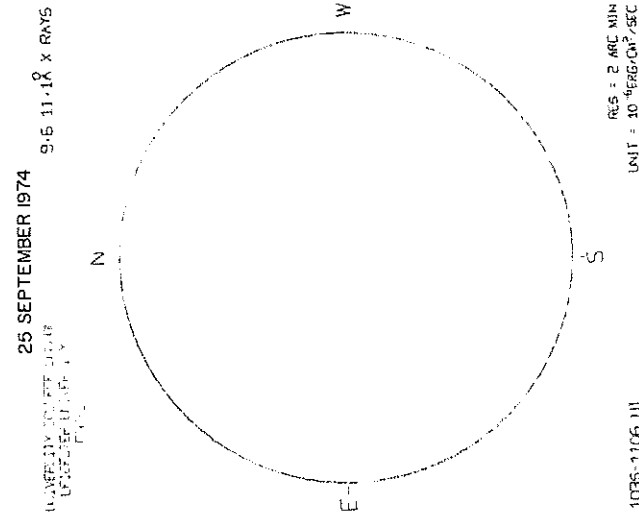
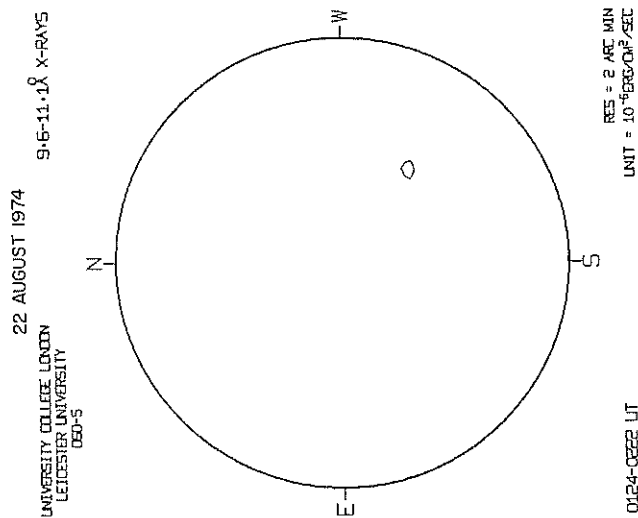
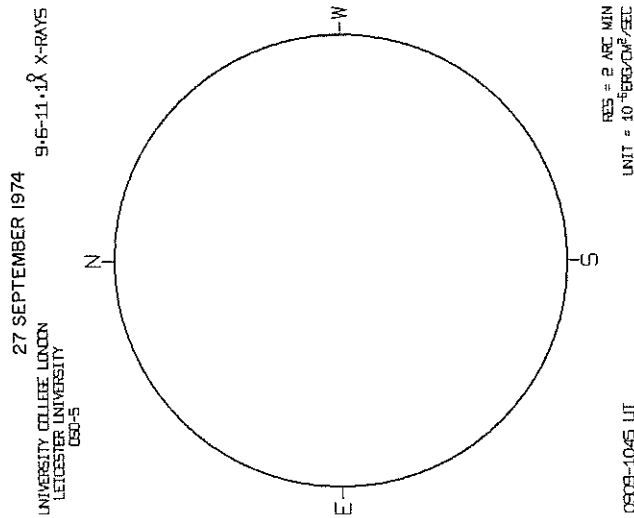
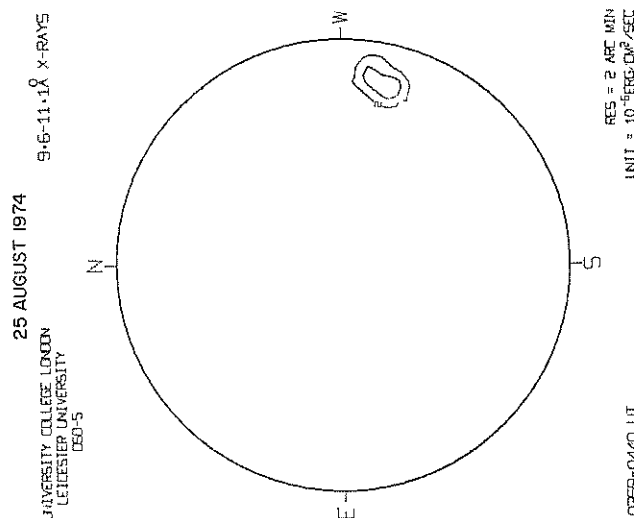
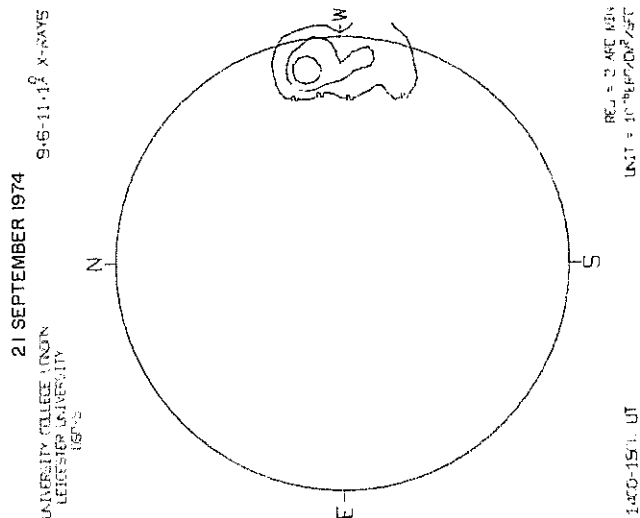
21 AUGUST 1974

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9.6-11.1 Å X-RAYS



RES = 2 ARC MIN
UNIT = 10^{-6} ERG/CM²/SEC
0138-0309 UT



SOLAR RADIO EMISSION SPECTRAL OBSERVATIONS

OCTOBER 1974

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Misc
Oct 74

OCT 1974	TIMES OF OBSERVATION		STATION	EVENTS												SPECTRAL TYPE	
	START UT	END UT		CENTIMETRIC BAND			DECIMETRIC BAND			METRIC BAND			DEKAMETRIC BAND				
				START UT	END UT	INT.	START UT	END UT	INT.	START UT	END UT	INT.	START UT	END UT	INT.		
01	0000	0642	CULG							0000	0525	1				IS	
			CULG						0056	0642					IIIN,W		
	CULG						0144	0145.5	1				IIIG,V				
	CULG						0337.5	0339	2	0337.5	0339	1	IIIG,V				
	CULG			0605	0642								IS,W				
	CULG			0629	0631	1	0628	0637	2	0625	0626	1	IIIGG,V				
	CULG						2054	2400					IS				
	CULG	2054	2400				2134	2400					IIIN,W				
02	0000	0646	CULG							0000	0646					IIIN,W	
			CULG						0040	0646	1				IS		
	CULG						0242	0244	1				IS,W				
	CULG						0252.5	0254	1				IIIG				
	CULG			0601.5	0602								IIIG,U				
	CULG			0628	0629	1	0628	0629.5	1				IIIG,W				
	CULG						2050	2400					IIIG,U				
	CULG	2050	2400				2050	2400	1				IIIN,W				
03	0000	0707	CULG							0000	0120	1				IS	
			CULG						0000	0707					IIIN,W		
	CULG						0018.5	0019.5	2				IS,W				
	CULG						0120	0707					IIIG,U				
	CULG			0130.5		1	0130.5		1				IS,W				
	CULG			0159	0200	1	0158.5	0200.5	1				IIIB				
	CULG			0203	0203.5	1	0203	0204	1				IIIG				
	CULG			0619.5	0620.5	1	0619.5	0620.5	1				IIIG,U				
2035	2400	CULG					0621.5	0624.5	1	0621.5	0625	1				IIIG,V	
		CULG						2035	2400	1	2035	2400	1			IIIGG	
		CULG						2135	2203	2	2115	2305	1			IS	
		CULG									2305	2345	1			CONT	
		CULG														IS	
		CULG															
04	0000	0721	CULG							0000	0438	1				IS,OC	
			CULG						0037	0438					IIIN,W		
	CULG						0438	0721	1				IS				
	CULG						2050			2050	2235	2			IS,W		
	CULG	2050	2400				2050	2400	1	2050	2400	1			IS,CONT		
	CULG						2235	2400	1				IIIS				
	CULG												IS,CONT				
	05	0000	0646	CULG							0000	0615	1				IIIS
CULG									0000	0105	1				IS		
CULG													IS,W				
CULG							0006	0007	1				IIIG,V				
CULG							0105	0355	1				IS,CONT				
CULG							0157	0158	1				IIIG,V				
CULG							0350.5	0353	2				IIIG,V				
CULG							0355	0600	1				IS				
06	0000	0409	CULG							0045	0409					IIIN,W	
			CULG						0508.5	0510	1				IIIG		
	CULG						0527		1				IIIB				
	CULG						0603	0604					IIIG,W				
	CULG						2048	2400					IN,W				
	CULG	2048	2400				2048	2400					IIIN,W				
	07	0000	0642	CULG							0000	0642	1				S,RS,DP
				CULG						0000	0642	1				I,CONT	
CULG									0000	0642					IIIS,W		
CULG									2040	2400	2				IS,CONT		
CULG									2040	2400	1				S,RS,DP		
CULG									2040	2400	1				IIIS		
08	0000	0648	CULG							0000	0648	1				IIIS	
			CULG						0000	0435	2				IS,CONT		
	CULG						0000	0648	1				S,RS,DP				
	CULG						0435	0648	2				IS,CONT,DC				
	CULG						2054	2400	1				IIIS				
	CULG	2054	2400				2054	2400	1				S,RS,DP				
	CULG						2054	2400	2				IS,CONT				
	09	0000	0720	CULG							0000	0720	1				IIIS
CULG									0000	0720	1				IS,CONT		
CULG							0000	0720	1				S,RS,OP				
CULG							2040	2400	1				IIIS				
CULG							2040	2400	2				IS,CONT,DC				
CULG							2040	2400	2				S,RS,OP				
CULG		2040	2400														
CULG																	
10	0000	0640	CULG							0000	0640	2				IS,CONT,DC	

OCT 1974	TIMES OF OBSERVATION		STATION	EVENTS												SPECTRAL TYPE
				CENTIMETRIC BAND			DECIMETRIC BAND			METRIC BAND			DEKAMETRIC BAND			
	START UT	END UT		INT.	START UT	END UT	INT.	START UT	END UT	INT.	START UT	END UT	INT.			
18	2017	2400	CULG CULG							2019 2215	2020	1 1				IIIG IIIB
19	0000	0340	CULG CULG CULG							0041 0057 0328	0045 0100 0329	1 1 1				IIIGG IIIG IN
	0350	0717	CULG CULG							0350 0350	0717 0717	1 1				IN IIN,W
	2010	2400	CULG CULG				2058.5 2327	2103 2332	1 1	2058 2327	2104.5 2332	1 1				IIIG
20	0000	0717	CULG CULG CULG CULG CULG CULG				0238 0406 0440.5 0548.5 0657.5	0238.5 0407 0443.5 0550 0658	1 1	0121.5 0238 0406 0442 0548.5 0657	0238.5 0407 0444 0550 0658	1 1 1 1				IIIB IIIG IIIG IW IIIG,W IIIG,W
21	0000	0717	CULG CULG CULG CULG CULG							0022 0309 0320.5 0430 0600 2257	0023 0310.5 0322 0431.5 0715 2400	1 1 1 1 1 1				IIIG IIIG IIIG,U IIIG IIN IIS
	2215	2400	CULG													
22	0000	0716	CULG CULG							0000 0240	0224 0716	1 2				IIS IIN,W
	2018	2400	CULG CULG				2335.5	2336.5	1	2326.5 2335	2327.5 2336.5	2 1				IIIG,U IIIG
23	0000	0115	CULG													
	0230	0509	CULG													
	0516	0716	CULG													
	2017	2400	CULG							2124.5	2125	1	2124.5	2125.5	1	IIIG,U
24	0000	0717	CULG													
	2018	2400	CULG													
25	0000	0716	CULG													
	2016	2130	CULG													
	2144	2400	CULG													
26	0000	0715	CULG													
	2033	2400	CULG													
27	0000	0716	CULG													
	2016	2400	CULG													
28	0000	0715	CULG CULG							0344.5 0410	0345.5					IIIG,W IIIB,W
	2016	2400	CULG													
29	0000	0600	CULG													
	2033	2400	CULG													
30	0000	0620	CULG													
	2027	2400	CULG													
31	0000	0713	CULG													
	2020	2400	CULG													

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Misc
Oct 74

SELECTED SOLAR EVENTS OCTOBER 1974

Culgoora

UT Date 1974. October	HELIOGRAPH EVENT							Spectral Type	REMARKS
	Start (UT)	End (UT)	Freq. (MHz)	Positions		Polar- ization	Inten- sity (1-3)		
				Central Dist. ($R_{\odot}$)	Position Angle (Deg.)				
1	0337	0339	160	1.0	130	0	1}	IIIG, V	Two successive bursts at 80 and 160 MHz.
			80	1.2	130	0	1}		
			43.25	1.4	100	-	2}		
	2301	2308	160	{1.0	{120}	0	{1}	II	
			{0.9	{40}	{1}				
			80	{1.0	{120}	0	{2}		
	{1.3	{40}	{2}						
	43.25	1.2	120	-	2}				
	2339	2342	160	0.9	40	0	2}	IIIGG, V	
			80	1.3	40	0	2}		
11	0323	0340	160	0.6	90	0	2}	II	Complex struc- ture accompanied by type IV in. same region.
			80	0.7	30	0	3}		
			43.25	0.9	0	-	3}		
16	0031	0037	160	0.9	310	0	1}	IIIG, V	
			80	1.3	320	0	2}		
			43.25	1.7	330	-	1}		

UAG Series of Reports

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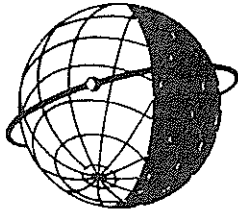
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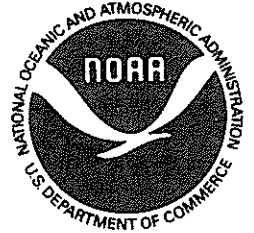
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WORLD DATA CENTER A

FOR

SOLAR-TERRESTRIAL PHYSICS



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