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Thomas S. Austin, Director

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NO. 368 APRIL 1975

Part II (Comprehensive Reports)

DATA FOR
OCTOBER 1974
SEPTEMBER 1974
& MISCELLANEA

NATIONAL GEOPHYSICAL AND SOLAR - TERRESTRIAL DATA CENTER
BOULDER, COLORADO

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No. 368

Issued in two parts

Hope I. Leighton, Editor

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

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SGD 368 Part II (Comprehensive)

OCTOBER 1974 DATA

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Hα SOLAR FLARES
Confirmed
OCTOBER, 1974

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	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	01	0133	0135	NO FLARE PATROL															
	01	0145	0153	NO FLARE PATROL															
	01	0245	0248	NO FLARE PATROL															
GRP61314	01	0623	0632	0626	S07	E43	.708	13263	4.5	9	--F				.70				3 3 3 3
TACH	01	0622	0634	0626	S07	E44	.719	13263	4.6	12	-N		C	0626	.88	1.29		51	D
ATHN	01	0622	0629	0624	S09	E42	.704	13263	4.4	7	-F	1		0624	.34	.41			
ATHN	01	0622	0640	0624	S08	E42	.700	13263	4.4	18	-F	3	C		.33				F
ABST	01	0625	0633	0628	S07	E42	.696	13263	4.4	8	-F		C	0628	.87	1.20			D
GRP61315	01	0750	0808	0752	S09	E41	.692	13263	4.4	18	--F				.57				3 3 3 4
HTPR	01	0748	0800	0753	S08	E41	.688	13263	4.4	12	-F		C	0753	.31	.40			
ATHN	01	0748	0757	0750	S11	E40	.689	13263	4.3	19	-F	1		0750	.52	.55			
ATHN	01	0748	0757D	0751	S09	E41	.692	13263	4.4	9D	-F	3	C		.50				DE
ABST	01	0753	0815	0754	S08	E42	.700	13263	4.5	22	-F		C	0754	.87	1.20			E
5 STATIONS REPORTING GROUP 61316. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61316	01	0806	0824	0808	S06	E37	.630	13263	4.1	18	-F				.77				3 3 3 5
HTPR	01	0805	0822	0807	S07	E36	.622	13263	4.0	17	-F		C	0807	.21	.30			
MONT	01	0806	0825	0809	S07	E39	.659	13263	4.3	19	-N		C	0809	.80				E
ABST	01	0807	0826	0809	S05	E35	.600	13263	4.0	19	-F		C	0809	1.31	1.70			E
61316	01	0815	0830	0820	S06	E36	.617	13263	4.0	15	*-N				.97				2 2 2 5
ARCE	01	0810E	0830D		S06	E37	.630	13263	4.1	20D	-N		C	0820	.81	1.00			
CATA	01	0820	0830	0820	S06	E35	.604	13263	4.0	10	-N	3		0820	1.12	1.45	1.95		
GRP61317	01	1101	1106	1102	S08	E32	.576	13263	3.9	5	--F				.28				2 2 2 4
TEHR	01	1100	1108	1101	S08	E35	.614	13263	4.1	8	-N	3	C		.36				
MONT	01	1101	1104	1103	S07	E29	.530	13263	3.6	3	-F		C	1103	.20				
GRP61318	01	1110	1119	1114	S06	E32	.565	13263	3.9	9	--F				.56				2 2 2 4
ATHN	01	1109	1118	1113	S07	E29	.530	13263	3.6	9	-F	3	C		.66				F H
TEHR	01	1110	1120	1114	S05	E35	.600	13263	4.1	10	-N	3	C		.45				F
319 MEUD	01	1259	1307	1301	N12	E29	.486	13262	3.7	8	--F		C	1301	1.03	1.10			E 2
	01	1340	1344	NO FLARE PATROL															
	01	1429	1436	NO FLARE PATROL															
GRP61320	01	1746	1754	1749	N13	E26	.444	13262	3.7	8	--F				.24				2 2 2 3
PALE	01	1746E	1752	1748U	N12	E27	.456	13262	3.8	6D	-F	3	C		.27				F
BOUL	01	1746	1755	1749	N13	E25	.429	13262	3.6	9	-F		C	1749	.21	.24			
GRP61321	01	2052	2057	2055	S05	E23	.435	13263	3.6	5	--F				.47				2 2 2 3
BOUL	01	2050	2058	2054U	S05	E23	.435	13263	3.6	8	-F		C	2054	.43	.46			
HUAN	01	2054	2056	2055	S04	E23	.428	13263	3.6	2	-F	1	C	2055	.50	.57			
322 MANI	02	0101	0142	0107	N07	E22	.372	13262	3.7	41	--N	2		0107	.62	.67			1
323 MANI	02	0107	0118	0110	S07	E30	.543	13263	4.3	11	--F	2		0110	.31	.37			1
324 PALE	02	0214E	0215D	0214U	N12	E08	.165	13262	2.7	10	--F	2			.19				DE 3
325 PALE	02	0220E	0231	0225	N01	W39	.633	13268	27.2	110	--F	3	C		.19				2
GRP61326	02	0603	0706	0632	N14	E19	.343	13262	3.7	63	--F				.58				2 2 2 4
ABST	02	0603	0700	0632	N16	E17	.327	13262	3.5	57	-F		C	0632	.87	.90			FK
TEHR	02	0628	0711	0632	N11	E20	.346	13262	3.8	43	-N	3	C		.28				F H
GRP61330	02	1414	1435	1420	N13	E14	.262	13262	3.6	21	--F				.35				3 3 3 6
BOUL	02	1412	1435	1421	N13	E14	.262	13262	3.6	24	-F		C	1421	.32	.33			
ATHN	02	1414	1433	1419	N12	E15	.271	13262	3.7	19	-N	4	C		.33				DE
HUAN	02	1417	1422D		N13	E14	.262	13262	3.6	5D	-F	1	F	1420	.40	.43			
332 BOUL	02	1838	1849	1841	N10	E15	.262	13262	3.9	11	--F		C	1841	.32	.33			3
GRP61333	02	2019	2036	2022	N13	E11	.217	13262	3.7	17	--F				.52				2 2 2 2
BOUL	02	2018	2039	2021	N12	E11	.209	13262	3.7	21	-F		C	2021	.64	.65			
HUAN	02	2020	2032	2022	N13	E11	.217	13262	3.7	12	-N	1	C	2022	.40	.42			
334 BOUL	02	2138	2203	2142	N10	E13	.230	13262	3.9	25	--F		C	2142	.43	.44			2
335 BOUL	02	2213	2237	2217	N10	E14	.246	13262	4.0	24	--F		C	2217	.32	.33			2
	02	2341	0118	NO FLARE PATROL															

Hα SOLAR FLARES
Confirmed
OCTOBER 1974

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
336 PALE	03	0207E	0218D	0208U	N12	E07	.152	13262	3.6	110	--F	1	V		.21				DE 2
	03	0218	0222	NO FLARE PATROL															
	03	0232	0238	NO FLARE PATROL															
	03	0241	0255	NO FLARE PATROL															
GRP61337	03	0631	0640	0634	N13	E06	.151	13262	3.7	9	--F				.75				2 2 2 4
TEHR	03	0629	0641	0633	N12	E06	.139	13262	3.7	12	-F	4	C		.45				F
ABST	03	0633	0638	0635	N13	E06	.151	13262	3.7	5	-F		C	0635	1.05	1.10			F
GRP61338	03	0732	0740	0734	S06	E12	.299	13263	4.2	8	--F				.84				2 2 2 5
TEHR	03	0729	0740	0732	S06	E11	.288	13263	4.1	11	-F	4	C		.19				DE
ABST	03	0735	0740	0736	S06	E13	.311	13263	4.3	5	-F		C	0736	1.48	1.50			EJ
340 TEHR	03	0946	1012	0947	S05	E09	.254	13263	4.1	26	--F	3	C		.19				DE S 4
345 HUAN	03	1654	1700	1656	N06	E85	.995	13279	10.1	6	--F	1	C	1656	.30				3
346 MCMA	03	1655	1659	1656	N03	E87	.998	13279	10.2	4	--F		C	1656					D 3
GRP61347	03	2047	2145	2101	N09	E01	.045	13262	3.9	58	1F				2.68				2 1 1 2
BOUL	03	2047	21450	2101	N09	E01	.045	13262	3.9	580	1F		C	2101	2.68	2.68			
MCMA	03	2116E	21280		N11	W01	.078	13262	3.8	120	1N		P	2122	2.58	2.50			E
	03	2139	0020	NO FLARE PATROL															
GRP61349	04	0517	0544	0531	S08	W02	.254	13263	4.1	27	--F				.52				2 2 2 5
MITK	04	0517	0544	0535	S07	W02	.237	13263	4.1	27	-F		C	0535	.62	.70			D
MANI	04	0527E	0544D	0527U	S08	W02	.254	13263	4.1	170	-N	1		0527	.41	.41			F
GRP61350	04	0959	1010	1006	S05	W04	.212	13263	4.1	11	--F				.27				1 1 1 3
TEHR	04	0959	10100	1006	S05	W04	.212	13263	4.1	110	-F	4	C		.27				
TEHR	04	1004E	1010	1005U	S05	W04	.212	13263	4.1	60	-F	4	V		.25				DE
GRP61351	04	1115	1132	1118	S18	E62	.913	13278	9.1	17	--N				.22				2 2 2 4
ATHN	04	1114	1132	1118	S18	E59	.892	13278	8.9	18	-N	3	C		.17				DE
TEHR	04	1115	11290	1118	S17	E65	.930	13278	9.3	140	-N	4	C		.27				DE
GRP61352	04	1226	1235	1227	S05	W07	.234	13263	4.0	9	--F				.48				2 2 2 4
ATHN	04	1226	1234	1227	S05	W06	.226	13263	4.1	8	-F	3	C		.50				DE
TEHR	04	1226E	12350	1227	S04	W07	.219	13263	4.0	90	-N	4	C		.45				U
GRP61354	04	1328	1350	1331	S17	E57	.875	13278	8.8	22	--F				.40				2 1 1 4
HUAN	04	1328	13500	1331	S17	E57	.875	13278	8.8	220	-F	1	C	1331	.40	.84			
ATHN	04	1331	1353	1342	S17	E58	.883	13278	8.9	22	-F	3	C		.33				F
GRP61355	04	1415	1500	1422	S18	E58	.885	13278	8.9	45	--F				.48				3 2 2 4
ATHN	04	1414	1438	1421	S18	E59	.892	13278	9.0	24	-F	2	C		.50				F
HUAN	04	1415	1503	1423U	S18	E57	.878	13278	8.9	48	-N	1	C	1423	.45	.94			EK
BOUL	04	1428E	14450	1433	S19	E56	.873	13278	8.8	170	1F		C	1433	1.50	2.66			
ATHN	04	1449	1456	1452	S17	E57	.875	13278	8.9	7	-F	2	C		.17				DE
GRP61358	04	1550	1656	1559	S19	E56	.873	13278	8.9	66	--B				.37				2 2 2 2
HUAN	04	1550	1656	1602U	S17	E57	.875	13278	8.9	66	-N	1	C	1602	.45	.94			
CATA	04	1550	15550	1555	S20	E55	.868	13278	8.8	50	-B	3		1555	.28	.58	2.69		
359 HUAN	04	1825	1840	1832	S17	E56	.867	13278	9.0	15	--F	1	C	1832	.25	.51			D 2
	04	1955	2016	NO FLARE PATROL															
	04	2029	2120	NO FLARE PATROL															
	04	2140	2257	NO FLARE PATROL															
	04	2335	0010	NO FLARE PATROL															
	05	0130	0147	NO FLARE PATROL															
	05	0154	0200	NO FLARE PATROL															
	05	0218	0224	NO FLARE PATROL															
360 MITK	05	0341	0349	0344	N13	E90	1.000	13280	11.9	8	1B		C	0344	1.03				H 4
GRP61361	05	0348	0402	0355	S08	W20	.417	13263	3.7	14	--F				.46				2 2 2 5
MITK	05	0348	0401	0353	S06	W21	.413	13263	3.6	13	-F		C	0353	.72	.80			D
TEHR	05	0352E	0403	0357	S09	W19	.415	13263	3.7	110	-F	4	C		.19				H

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
362 TEHR	05	0603	0619	0612	S09	W20	.427	13263	3.8	16	--F	4	C		.19				4
GRP61366	05	0759	0820	0808	S13	W54	.839	13257	1.3	21	--F				.54				2 2 2 6
ABST	05	0754	0821D	0811	S12	W53	.828	13257	1.4	27D	-F		P	0811	.87	1.68			DJK
HTPR	05	0803	0819	0805	S13	W55	.848	13257	1.2	16	-F		C	0805	.21	.30			D
GRP61367	05	0810	0817	0811	N14	E77	.970	13280	11.1	7	--F				.46				3 3 3 7
TEHR	05	0809	0817	0811	N16	E78	.973	13280	11.2	8	-F	4	C		.19				
HTPR	05	0810	0815	0810	N12	E75	.961	13280	11.0	5	-F		C	0810	.31				D
ABST	05	0811	0819D	0812	N13	E78	.974	13280	11.2	8D	1F		P	0812	.87				DJK
GRP61370	05	0832	0850	0835	S09	W21	.439	13263	3.8	18	--F				.20				2 2 2 6
TEHR	05	0830	0851	0835	S09	W20	.427	13263	3.9	21	-F	4	C		.19				F
HTPR	05	0833	0848	0835	S08	W22	.443	13263	3.7	15	-N		C	0835	.21	.20			E
GRP61371	05	0851	0858	0854	S05	W23	.434	13263	3.6	7	--N				.35				3 3 3 5
CATA	05	0850	0855	0850	S04	W24	.441	13263	3.6	5	-N	3		0850	.56	.64	1.70		
TEHR	05	0851	0902	0856	S05	W22	.420	13263	3.7	11	-F	4	C		.28				
HTPR	05	0852	0858	0855	S05	W23	.434	13263	3.6	6	-N		C	0855	.21	.20			DH
373 HTPR	05	1158	1222	1217	N08	E90	1.000	13280	12.2	24	-N		C	1217	.31				A 2
GRP61374	05	1405	1424	1409	S08	W18	.392	13263	4.2	19	-N				1.03				3 3 3 3
MCMA	05	1405	1425D	1409	S09	W18	.402	13263	4.2	20D	-N		C	1409	.77	.90			EL
HTPR	05	1405	1430	1409	S08	W18	.392	13263	4.2	25	-B		C	1409	.72	.70			HL
HUAN	05	1405	1415	1408	S07	W17	.370	13263	4.3	10	-N	1	C	1408	1.60	1.76			
HTPR	05	1408	1435	1410	S07	W22	.435	13263	3.9	27	-F		C	1410	.21	.20			
GRP61375	05	1508	1547	1515	S20	E44	.774	13278	8.9	39	--N				.49				4 4 4 4
HTPR	05	1505	1540	1514	S20	E43	.765	13278	8.9	35	-N		C	1514	.31	.50			
BOUL	05	1507	1559	1515	S19	E43	.760	13278	8.9	52	-F		C	1515	.64	.88			
HUAN	05	1508	1545	1516U	S18	E44	.765	13278	8.9	37	-N	1	C	1516	.60	.95			
MCMA	05	1510	1545D		S21	E44	.779	13278	8.9	35D	-N		C	1520	.41	.60			E
GRP61378	05	1737	1745	1738	N09	E89	.999	13280	12.4	9	--F				.30				2 2 1 3
MCMA	05	1736	1745	1737	N08	E89	.999	13280	12.4	9	-N		C	1737					D
HUAN	05	1737	1746	1738	N10	E88	.999	13280	12.3	9	-F	1	C	1738	.30				
379 HUAN	05	1930	1932	1931	S18	E36	.684	13278	8.5	2	--F	1	C	1931	.20	.27			D 3
380 HUAN	05	2037	2039	2038	N10	E88	.999	13280	12.5	2	--F	1	C	2038	.30				3
	05	2200	2210	NO FLARE PATROL															
381 VORO	05	2357	0002	2358	N07	E49	.751	13279	9.7	5	-B		C	2358	.81	1.30		62	Z 2
GRP61382	06	0112	0154	0122	N06	E87	.998	13280	12.6	42	-F				.68				2 2 2 2
PALE	06	0108	0154D	0122	N05	E86	.997	13280	12.5	46D	-F	3	C		.81				DE U
VORO	06	0116	0154	0122	N06	E87	.998	13280	12.6	38	1N		C	0122	.54	3.80		64	EFJ
GRP61383	06	0232	0316	0243	N05	E81	.986	13280	12.2	44	1N				1.10				3 3 3 3
PALE	06	0228	0259D	0240	N05	E78	.976	13280	12.0	31D	-N	3	C		.72				F
MANI	06	0236	0247D	0242	N05	E80	.983	13280	12.1	11D	1N	2		0242	1.65	4.24			F
MITK	06	0244E	0315D	0246	N05	E85	.995	13280	12.5	32D	1B		C	0246	.93				E
GRP61385	06	0604	0615	0606	S12	E57	.863	13281	10.5	11	--F				.39				2 2 2 3
MITK	06	0603	0614	0605	S12	E58	.871	13281	10.6	11	-F		C	0605	.52	1.10			D
TEHR	06	0604	0615	0607	S12	E56	.854	13281	10.5	11	-F	4	C		.25				F
GRP61386	06	0640	0654	0648	N07	E84	.993	13280	12.6	14	-N				.71				3 3 3 5
TEHR	06	0637E	0653D	0648U	N07	E84	.993	13280	12.6	16D	-B	3	V		.52				DE
TEHR	06	0638	0656	0647	N08	E83	.991	13280	12.5	18	-B	3	C		.55				DE
MITK	06	0641	0651	0644	N06	E81	.986	13280	12.4	10	-N		C	0644	.52				D
ABST	06	0652E	0657D	0652	N08	E87	.998	13280	12.8	5D	1N		R	0652	1.05			60	BDJ
GRP61387	06	0740	0748	0741	N07	E80	.983	13280	12.3	8	-N				.46				3 3 3 4
HTPR	06	0739	0744	0740	N07	E78	.976	13280	12.2	5	-F		C	0740	.31				E
ATHN	06	0740E	0751	0741	N07	E78	.976	13280	12.2	11D	-N	3	C		.66				F
TEHR	06	0740	0748	0742	N06	E83	.991	13280	12.5	8	-N	4	V		.41				F
TEHR	06	0741	0749	0743	N06	E83	.991	13280	12.5	8	-N	4	C		.36				F
GRP61389	06	0821	0837	0827	N07	E81	.986	13280	12.4	16	-N				.66				5 5 5 5
ABST	06	0737	0845	0826	N09	E83	.991	13280	12.5	69	1N		R	0826	1.57			68	FJKZ
HTPR	06	0803	0810	0807	N07	E78	.976	13280	12.2	7	-F		C	0807	.21				O
TEHR	06	0819	0835	0828	N05	E83	.991	13280	12.6	17	-F	4	C		.36				F
ARCE	06	0820E	0838D		N07	E82	.989	13280	12.9	18D	-B		C	0825	.31				
ATHN	06	0823	0833	0827	N07	E77	.972	13280	12.1	10	-N	2	C		.83				F
TEHR	06	0825E	0835D	0828U	N05	E83	.991	13280	12.6	10D	-F	4	V		.19				F
HTPR	06	0826	0832	0828	N07	E78	.976	13280	12.2	6	-F		C	0828	.21				E

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	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 Hα	MAX. INT. %	
GRP61390	06	0930	0937	0934	N07	E78	.976	13280	12.2	7	-N		C		.38				2 2 2 5
HTPR	06	0930	0937	0933	N07	E78	.976	13280	12.2	7	-N		C	0933	.10				D
ATHN	06	0930	0935D	0935	N07	E77	.972	13280	12.2	60	-N	1	C		.66				F
GRP61393	06	1035	1054	1040	S21	E34	.685	13278	9.0	19	--F				.22				2 2 2 5
HTPR	06	1033	1055	1040	S22	E33	.683	13278	8.9	22	-N		C	1040	.10	.10			D
ATHN	06	1036	1053	1040	S20	E35	.687	13278	9.1	17	-F	2	C		.33				DE
GRP61394	06	1145	1200	1149	N13	W39	.629	13262	3.6	15	--F				.79				4 4 4 4
TEHR	06	1144	1203	1149	N15	W39	.632	13262	3.6	19	-N	4	C		.45				F
HTPR	06	1145	1200	1150	N13	W37	.602	13262	3.7	15	-F		C	1150	.31	.40			E
KHAR	06	1145E	1158D		N13	W40	.642	13262	3.5	13D	1F		P	1148	1.75	2.30	1.50		C
ATHN	06	1146	1158	1148	N11	W39	.626	13262	3.6	12	-F	3	C		.66				U F
GRP61396	06	1224	1232	1227	S08	W37	.638	13263	3.7	8	--N				.53				3 3 3 4
ATHN	06	1223	1233	1226	S10	W35	.623	13263	3.9	10	-N	2	C		.66				F
MCMA	06	1225	1232	1227	S07	W38	.646	13263	3.7	7	-N		C	1227	.62	.80			E
HTPR	06	1225	1232	1227	S07	W39	.658	13263	3.6	7	-F		C	1227	.31	.40			E
397 ATHN	06	1320	1328	1323	N04	W30	.500	13263	4.3	8	--F	3	C		.17				DE H 3
398 ATHN	06	1358	1407	1402	N05	E48	.740	13279	10.2	9	--F	3	C		.33				DE 3
399 ATHN	06	1446	1453	1449*	N06	E73	.954	13280	12.1	7	-N	3	C		.50				DE 3
	06	1521	1535	NO FLARE PATROL															
	06	1542	1555	NO FLARE PATROL															
400 PALE	06	2117	2204	2134	N11	E64	.893	13280	11.7	47	1N	3	C		1.80				F 1
400 PALE	06	2122E	2204	2124	N12	E63	.885	13280	11.6	42D	*-N	3	C		.93				F 1
401 PALE	06	2148	2234	2200	S18	E23	.550	13278	8.6	46	--N	3	C		.45				F 2
GRP61406	07	0643	0654	0649	N06	E69	.931	13280	12.5	11	--F				.23				2 2 2 4
ATHN	07	0643	0653	0648	N06	E67	.917	13280	12.3	10	-N	3	C		.17				F
TEHR	07	0647E	0655D	0649	N06	E71	.943	13280	12.5	8D	-F	4	V		.28				
GRP61408	07	0848	0936	0903	N13	E62	.877	13280	12.0	48	-N				.95				6 5 5 7
MONT	07	0848	0905D	0859	N13	E63	.885	13280	12.1	18D	-N		C	0859	.60				E
ABST	07	0848	0931	0909	N13	E63	.885	13280	12.1	43	1N		C	0909	.96	2.10		78	FJK
TEHR	07	0855E	0918D	0905U	N11	E62	.878	13280	12.0	23D	-B	4	C		.55				F
ATHN	07	0856E	0925D	0858	N14	E60	.861	13280	11.9	30D	-N	2	C		.99				F
KHAR	07	0904E	0940D		N12	E62	.878	13280	12.0	36D	1N		P	0906	1.65	3.70	2.10		T
ARCE	07	0917E	0931D		N12	E64	.893	13280	12.2	14D	1N		P	0925	1.31	2.10			
GRP61412	07	1311	1330	1315	S17	E17	.482	13278	8.8	19	--N				.60				3 3 3 4
ATHN	07	1310	1333	1316	S17	E17	.482	13278	8.8	23	-F	3	C		.99				F
TEHR	07	1311	1331	1314	S12	E17	.423	13278	8.8	20	-N	4	C		.36				DE
MCMA	07	1312	1327	1316	S21	E16	.524	13278	8.8	15	-N		C	1316	.46	.50			E
	07	1532	1537	NO FLARE PATROL															
413 HUAN	07	1537E	1542		N08	E62	.879	13280	12.3	5D	--F	1	P	1539	.25	.55			C 2
GRP61414	07	1913	1936	1920	S20	E15	.504	13278	8.9	23	--F				.89				2 2 2 2
BOUL	07	1913	1942	1920	S19	E14	.483	13278	8.9	29	-F		C	1920	.96	.99			DE U
PALE	07	1917E	1930	1920	S20	E15	.504	13278	8.9	13D	-N	2	C		.81				
415 BOUL	07	2050	2115	2057	N05	E21	.357	13279	9.4	25	--F		C	2057	.75	.80			2
	07	2327	2334	NO FLARE PATROL															
	08	0109	0119	NO FLARE PATROL															
	08	0211	0230	NO FLARE PATROL															
	08	0238	0255	NO FLARE PATROL															
GRP61419	08	1023	1043	1031	N07	E50	.762	13280	12.2	20	--F				.35				2 2 2 3
TEHR	08	1021	1046	1027	N07	E50	.762	13280	12.2	25	-F	4	C		.36				DE
ATHN	08	1024	1040	1034	N07	E50	.762	13280	12.2	16	-F	4	C		.33				DE

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP61420	08	1114	1202	1119	N07	E49	.751	13280	12.1	48	-N				.63				3 3 3 3
ATHN	08	1113	1203	1120	N06	E50	.763	13280	12.2	50	-N	4	C		.83				Z F
TEHR	08	1114	1201	1119	N07	E50	.762	13280	12.2	47	-N	4	C		.64				DE
HTPR	08	1115	1200D	1118	N07	E48	.739	13280	12.1	45D	-N		C	1118	.41	.60			EK
HTPR	08	1115	1200D	1133	N07	E48	.739	13280	12.1	45D	-N		C	1133	.41	.60			EK
TEHR	08	1116E	1201	1120	N07	E50	.762	13280	12.2	45D	-N	4	V		.66				Z
GRP61423	08	1311	1327	1313	N11	E42	.666	13280	11.7	16	--N				.49				3 3 3 4
ATHN	08	1310	1326	1312	N12	E41	.654	13280	11.6	16	-N	3	C		.83				F
TEHR	08	1311	1332	1313	N10	E42	.665	13280	11.7	21	-N	2	C		.45				DE
HUAN	08	1312	1323	1315	N11	E44	.691	13280	11.9	11	-F	1	C	1315	.20	.28			D
GRP61425	08	1404	1410	1405	N10	E43	.678	13280	11.8	6	--F				.32				3 3 3 3
ATHN	08	1402	1410	1405	N09	E42	.665	13280	11.7	8	-F	3	C		.33				F
BOUL	08	1405	1410D	1406	N11	E42	.666	13280	11.7	5D	-F		C	1406	.43	.58			
HUAN	08	1405	1409	1405	N11	E44	.691	13280	11.9	4	-F	1	C	1405	.20	.28			D
	08	1434	1437	NO FLARE PATROL															
GRP61426	08	1449	1514	1452	N07	E48	.739	13280	12.2	25	-B				.68				3 3 3 3
HTPR	08	1448	1507	1451	N07	E47	.727	13280	12.1	19	-B		C	1451	.72	1.00			E
HUAN	08	1449	1520	1450	N08	E48	.739	13280	12.2	31	-N	1	C	1450	.50	.76			E
RAMY	08	1449	1515	1456	N06	E48	.740	13280	12.2	26	-B	4	V		.83				DE
GRP61427	08	1550	1610	1555	N07	E47	.727	13280	12.2	20	--F				.31				3 3 3 3
HTPR	08	1550	1558D	1554	N07	E47	.727	13280	12.2	8D	-F		C	1554	.31	.50			E
HUAN	08	1554E	1605		N07	E47	.727	13280	12.2	11D	-F	1	P	1554	.30	.45			CE
BOUL	08	1555E	1615	1555E	N07	E47	.727	13280	12.2	20D	-F		C	1555	.32	.47			
GRP61428	08	1742	1805	1744	N07	E46	.715	13280	12.2	23	-N				1.00				3 3 3 3
BOUL	08	1741	1805	1744	N08	E45	.703	13280	12.1	24	-N		C	1744	1.18	1.66			
HUAN	08	1742	1807	1743	N07	E45	.703	13280	12.1	25	-N	1	C	1743	.90	1.28			E
PALE	08	1743	1803	1745	N07	E47	.727	13280	12.3	20	-B	3	C		.91				DE
GRP61429	08	1818	1840	1828	S19	E00	.428	13278	8.8	22	--F				.45				3 3 3 3
BOUL	08	1815	1848	1828	S18	W01	.413	13278	8.7	33	-F		C	1828	.43	.43			
HUAN	08	1820	1838	1830U	S19	E00	.428	13278	8.8	18	-F	1	C	1830	.50	.57			
PALE	08	1822E	1833	1825	S19	E01	.428	13278	8.8	11D	-N	3	C		.41				F
GRP61431	08	1918	1927	1922	N07	E46	.715	13280	12.3	9	--F				.28				3 3 3 3
HUAN	08	1918	1921D		N08	E45	.703	13280	12.2	3D	-F	1	P	1921	.25	.36			D
BOUL	08	1918	1928	1921	N07	E45	.703	13280	12.2	10	-F		C	1921	.32	.45			
PALE	08	1918	1925	1922	N07	E49	.751	13280	12.5	8	-F	3	C		.27				F
432 BOUL	08	2054	2111	2058	S16	E00	.380	13278	8.9	17	--F		C	2058	.21	.21			3
GRP61433	08	2300	2309	2302	N07	E44	.691	13280	12.3	9	--F				.33				2 2 2 4
BOUL	08	2258	2308	2301	N06	E44	.691	13280	12.3	10	-F		C	2301	.21	.30			
PALE	08	2302	2310	2303	N07	E43	.678	13280	12.2	8	-F	3	C		.45				DE
GRP61435	08	2318	2323	2320	S19	W05	.436	13278	8.6	5	--N				.61				2 2 2 4
VORO	08	2318	2322	2319	S19	W03	.431	13278	8.7	4	-B		C	2319	.90	1.00		68	DHJ
PALE	08	2318	2323	2320	S19	W06	.439	13278	8.5	5	-F	3	C		.31				
GRP61436	08	2329	2347	2333	S17	W02	.398	13278	8.8	18	--N				.68				2 2 2 2
PALE	08	2328	2352	2334	S17	W02	.398	13278	8.8	24	-F	3	C		.45				DE
VORO	08	2329	2342	2332	S17	W01	.397	13278	8.9	13	-B		C	2332	.90	1.00		67	EJ
437 PALE	09	0048	0101	0050	N05	E42	.667	13280	12.2	13	--F	3	C		.55				DE 2
GRP61440	09	0155	0210	0158	N11	E35	.572	13280	11.7	15	-N				1.12				2 2 2 4
VORO	09	0154	0207	0156	N12	E35	.573	13280	11.7	13	-B		C	0156	1.16	1.40		63	EJ
PALE	09	0156	0212	0159	N10	E35	.571	13280	11.7	16	-F	3	C		1.08				F
GRP61441	09	0236	0250	0240	S18	W04	.416	13278	8.8	14	--B				.63				2 2 2 4
PALE	09	0235	0253	0239	S18	W04	.416	13278	8.8	18	-N	2	C		.36				DE
VORO	09	0237	0246	0240	S18	W04	.416	13278	8.8	9	-B		C	0240	.90	1.00		64	EJ
442 PALE	09	0252	0253	0252U	N07	E40	.639	13280	12.1	1	--F	2	C		.45				DE 4
444 PALE	09	0351E	0401D	0352U	S08	W06	.267	13278	8.7	10D	--F	1	C		.52				3
445 PALE	09	0351E	0401D	0352U	N09	E32	.527	13280	11.6	10D	--F	1	C		.62				3
GRP61447	09	0445	0453	0446	N06	E42	.666	13280	12.3	8	--N				.40				2 2 2 4
MANI	09	0445E	0450D	0445U	N05	E42	.667	13280	12.3	5D	-N	2		0445	.52	.69			
TEHR	09	0446E	0453D	0447U	N07	E41	.652	13280	12.3	7D	-N	3	C		.28				DE

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GRP61450	09	0542	0620	0547	N04	E05	.096	13279	9.6	38	-N				1.21				3 3 3 4
ATHN	09	0542	0617	0545	N05	E05	.090	13279	9.6	35	-B	3	C		.99				U U
TEHR	09	0543E	0602D	0546U	N04	E06	.111	13279	9.7	19D	-N	2	C		.45				F
ABST	09	0545E	0622	0549	N02	E04	.102	13279	9.5	37D	1N		P	0549	2.18	2.20		89	FJU
454 ATHN	09	1006	1018	1011	N11	E19	.331	13280	10.8	12	--F	3	C		.33				F 3
GRP61455	09	1039	1130	1042	S19	W10	.456	13278	8.7	51	--F				.30				2 2 2 4
MONT	09	1038	1041D	1041	S19	W09	.451	13278	8.8	3D	-N		C	1041	.50				D
HTPR	09	1039	1130	1042	S18	W10	.442	13278	8.7	51	-F		C	1042	.10	.10			EK
GRP61458	09	1239	1255	1243	N06	E36	.585	13280	12.2	16	--F				.31				2 2 2 5
HUAN	09	1238	1255	1244	N07	E36	.584	13280	12.2	17	-F	1	C	1244	.40	.51			E
HTPR	09	1240	1254	1241	N05	E35	.571	13280	12.2	14	-F		C	1241	.21	.20			E
GRP61459	09	1251	1309	1255	N08	E10	.175	13280	10.3	18	--F				.22				3 3 3 5
ATHN	09	1248	1322	1255	N08	E10	.175	13280	10.3	34	-F	3	C		.33				DE H
HTPR	09	1252	1302	1254	N07	E10	.173	13280	10.3	10	-F		C	1254	.21	.20			
TEHR	09	1253	1303	1255	N09	E10	.178	13280	10.3	10	-N	3	C		.12				DE
GRP61460	09	1400	1425	1403	N07	E36	.584	13280	12.3	25	--F				.49				4 4 4 6
BOUL	09	1359	1425	1404	N07	E35	.570	13280	12.2	26	-F		C	1404	.54	.65			
HTPR	09	1359	1423	1401	N07	E36	.584	13280	12.3	24	-N		C	1402	.52	.60			EK
HUAN	09	1400	1424	1403	N08	E36	.584	13280	12.3	24	-F	1	C	1403	.40	.51			E
ATHN	09	1400	1428	1403	N06	E36	.585	13280	12.3	28	-F	3	C		.50				F
464 MCMA	09	1640	1655	1641	N05	E35	.571	13280	12.3	15	--F		C	1641	.26	.40			DH 3
GRP61465	09	1642	1705	1650	S23	W09	.509	13278	9.0	24	--N				.72				4 4 4 4
MCMA	09	1638E	1700	1649	S23	W10	.513	13278	8.9	22D	-B		C	1649	.62	.70			EV
BOUL	09	1639	1722	1648	S23	W08	.505	13278	9.1	43	-N		C	1648	1.29	1.30			
PALE	09	1650	1701	1653	S23	W09	.509	13278	9.0	11	-N	1	C		.55				
HUAN	09	1654E	1659		S23	W09	.509	13278	9.0	5D	-N	1	P	1654	.40	.48			
GRP61467	09	2100	2123	2107	N06	E35	.571	13280	12.3	23	--F				.26				2 2 2 3
MCMA	09	2058E	2123D		N05	E38	.613	13280	12.7	25D	-N		C	2108	.31	.40			DH
BOUL	09	2101	2122	2107	N07	E32	.527	13280	12.3	21	-F		C	2107	.21	.25			
468 PALE	09	2150E	2152D	2152U	N03	W07	.134	13279	9.4	2D	--F	2	C		.27				DE 2
469 PALE	09	2202E	2208	2203U	N06	E27	.452	13280	11.9	6D	--F	2	V		.21				DE 2
	09	2225	2244	NO FLARE PATROL															
GRP61470	09	2324	2353	2332	N06	E28	.467	13280	12.1	29	--N				.81				1 1 1 2
PALE	09	2324E	2353	2332	N06	E29	.482	13280	12.1	29D	-N	2	C		.81				DE
PALE	09	2329E	2352	2332	N06	E27	.452	13280	12.0	23D	-F	2	V		.41				DE
GRP61471	10	0000	0015	0001	S07	W79	.985	13263	4.1	16	--F				.20				2 2 2 4
MANI	10	0000E	0012D	0000U	S07	W78	.981	13263	4.1	12D	-F	1		0000	.21	.52			
PALE	10	0001E	0016	0001U	S06	W79	.984	13263	4.1	15D	-F	2	C		.19				
472 PALE	10	0034	0111	0039	N08	E26	.436	13280	12.0	37	--F	2	C		.81				U 3
473 PALE	10	0118	0125	0121	N07	E26	.436	13280	12.0	7	--F	2	C		.19				DE 3
474 PALE	10	0303	0322	0309	S19	W20	.530	13278	8.6	19	--F	2	C		.45				DE 4
475 PALE	10	0305	0315	0309	N07	E26	.436	13280	12.1	10	--F	2	C		.27				DE 4
GRP61476	10	0543	0614	0550	S19	W18	.513	13278	8.9	31	--F				.58				2 2 2 2
TEHR	10	0542	0615	0550	S18	W17	.492	13278	9.0	33	-F	3	C		.64				U
ATHN	10	0544	0612	0550	S19	W18	.513	13278	8.9	28	-N	1		0550	.52	.50			
GRP61477	10	0619	0707	0623	N04	W07	.127	13279	9.7	48	-B				1.17				3 3 3 3
ATHN	10	0618	0700	0623	N05	W03	.056	13279	10.0	42	-B	1		0623	.85	.80			
TEHR	10	0620	0713	0623	N05	W09	.157	13279	9.8	53	-B	3	C		1.64				U
HTPR	10	0625E	0628D		N03	W10	.182	13279	9.5	3D	-N		C	0628	1.03	1.00			E
GRP61479	10	0821	0825	0823	N11	E27	.456	13280	12.4	4	--F				.19				2 2 2 6
HTPR	10	0820E	0824		N12	E26	.443	13280	12.3	4D	-F		C	0821	.21	.20			
ATHN	10	0822	0825	0823	N09	E27	.452	13280	12.4	4	-N	1		0823	.17	.16			
GRP61480	10	0909	0919	0913	N11	E25	.425	13280	12.3	10	--F				.21				3 3 3 5
ARCE	10	0905E	0910D		N10	E25	.423	13280	12.3	5D	-F		P	0910	.37	.40			H*
HTPR	10	0908	0919	0911	N12	E26	.443	13280	12.3	11	-F		C	0911	.10	.10			
ATHN	10	0914	0918	0915	N11	E25	.425	13280	12.3	4	-F	1		0915	.17	.16			

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GRP61481	10	0950	0959	0955	N08	E24	.405	13280	12.2	9	--F				.42				2 2 2 6
ARCE	10	0945E	10000		N07	E25	.420	13280	12.3	150	-F		C	0950	.63	.70			
HTPR	10	0954	0957	0955	N08	E23	.389	13280	12.1	3	-F		C	0955	.21	.20			E
GRP61482	10	1035	1050	1038	N07	E25	.420	13280	12.3	14	--N				.45				3 3 3 5
HTPR	10	1035	1050	1037	N09	E24	.406	13280	12.2	15	-F		C	1037	.31	.30			E
MONT	10	1035E	10420	1040	N08	E25	.421	13280	12.3	60	-N		C	1040	.70				E
ATHN	10	1036	1049	1038	N05	E25	.421	13280	12.3	13	-N	1		1038	.34	.33			
GRP61483	10	1049	1122	1058	N10	E08	.152	13280	11.1	33	-B				1.90				4 3 3 6
HTPR	10	1045	1115	1055	N10	E08	.152	13280	11.0	30	-B		C	1055	.31	.30			IK
HTPR	10	1047	1110	1056	N13	E08	.180	13280	11.0	23	-N		C	1056	.83	.80			I
ATHN	10	1047	1122	1050	N18	E03	.210	13280	10.7	35	-B	1		1050	1.55	2.10			
ATHN	10	1047	1113	1054	N05	E15	.258	13280	11.6	26	-B	1		1054	.85	.80			
HTPR	10	1050	1140	1102	N07	E13	.224	13280	11.4	50	-F		C	1102	.31	.30			
CATA	10	1055	1200	1115	N11	E06	.132	13280	10.9	65	1N	3		1115	3.09	3.21	1.91		
MONT	10	1056E	1129	1106	N10	E05	.108	13280	10.8	330	1N		C	1106	3.00				F
HTPR	10	1056	1103	1102	N11	E10	.190	13280	11.2	7	-F		C	1102	.31	.30			E
GRP61485	10	1134	1146	1139	N07	E25	.420	13280	12.4	12	--F				.27				2 2 2 5
ATHN	10	1131	1147	1137	N05	E24	.405	13280	12.3	16	-N	1		1137	.34	.33			
MONT	10	1136	1145	1141	N08	E25	.421	13280	12.4	9	-F		C	1141	.20				
GRP61487	10	1221	1231	1223	N11	E15	.268	13280	11.6	10	--F				.39				4 4 4 5
HTPR	10	1220	1227	1221	N12	E15	.274	13280	11.6	7	-F		C	1221	.31	.30			E
ATHN	10	1221	1230	1223	N10	E15	.264	13280	11.6	9	-N	1		1223	.34				
MONT	10	1222	1233	1224	N11	E16	.284	13280	11.7	11	-N		C	1224	.40				E
HUAN	10	1223E	1233		N12	E14	.258	13280	11.6	100	-F	1	P	1226	.50	.54			
GRP61490	10	1404	1409	1406	N12	E09	.184	13280	11.3	5	--F				.38				2 2 2 5
HUAN	10	1403	1410	1406	N12	E09	.184	13280	11.3	7	-F	1	C	1406	.35	.37			
MONT	10	1404	1407	1405	N12	E09	.184	13280	11.3	3	-F		C	1405	.40				
GRP61491	10	1404	1413	1407	N07	E22	.372	13280	12.2	9	--F				.33				2 2 2 5
HUAN	10	1404	1417	1407	N07	E23	.388	13280	12.3	13	-F	2	C	1407	.45	.50			E
MONT	10	1404	1408	1406	N07	E20	.340	13280	12.1	4	-F		C	1406	.20				
494 MCMA	10	1510	1517	1513	N10	E20	.344	13280	12.1	7	--N		C	1513	.31	.30			E 2
GRP61495	10	1521	1600	1530	N07	E22	.372	13280	12.3	39	--N				.66				4 4 4 4
MCMA	10	1521	1600	1530	N07	E21	.356	13280	12.2	39	-B		C	1530	.52	.50			EH
BOUL	10	1525E	15430	1530	N08	E21	.357	13280	12.2	180	-F		C	1530	1.50	1.61			
HTPR	10	1528E	15290		N06	E22	.373	13280	12.3	10	-F		C	1528	.21	.20			
HUAN	10	1535E	1600		N07	E22	.372	13280	12.3	250	-N	1	P	1537	.40	.44			
496 HUAN	10	1626	1627	1627	N12	E21	.367	13280	12.3	1	--F	2	C	1627	.20	.22			D 3
497 MCMA	10	1634	1640	1637	S19	W29	.617	13278	8.5	6	--N		C	1637	.41	.50			D 3
GRP61498	10	1648	1657	1652	S19	W28	.607	13278	8.6	9	--N				.56				2 2 2 3
MCMA	10	1645	1658	1652	S19	W29	.617	13278	8.5	13	-N		C	1652	.52	.70			E
HUAN	10	1650	1655	1652	S19	W27	.597	13278	8.7	5	-N	1	C	1652	.60	.77			E
GRP61499	10	1723	1735	1726	N13	E07	.168	13280	11.2	13	--F				.45				2 2 2 3
BOUL	10	1723E	1740	1725	N13	E08	.180	13280	11.3	170	-F		C	1725	.54	.54			
PALE	10	1726E	1732	1726	N13	E06	.156	13280	11.2	60	-F	3	C		.36				DE
3 STATIONS REPORTING GROUP 61500. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61500	10	1725	1750	1729	N07	E21	.356	13280	12.3	25	--F				.24				2 2 2 3
BOUL	10	1723E	1852D	1725	N07	E21	.356	13280	12.3	890	-F		C	1731	.21	.23			
PALE	10	1726	1750	1732	N07	E20	.340	13280	12.2	24	-F	3	C		.27				DE
61500	10	1730	1805	1745	N05	E20	.341	13280	12.2	35	*-N				1.55				2 1 1 2
MCMA	10	1730E	18050		N05	E20	.341	13280	12.2	350	-N		C	1743	1.55	1.60			EIT
PALE	10	1741	1759	1745	N12	E07	.156	13280	11.3	18	-N	2	C		.55				F
GRP61501	10	1808	1835	1810	N11	E18	.316	13280	12.1	27	-B				1.07				3 3 3 3
MCMA	10	1808	1840	1809	N10	E18	.312	13280	12.1	32	-B		C	1809	1.03	1.10			EV
PALE	10	1809E	1829	1810	N12	E19	.336	13280	12.2	200	-B	2	C		1.08				U
HUAN	10	1810E	1814D		N12	E18	.320	13280	12.1	40	-N	1	P	1811	1.10	1.20			
GRP61502	10	1820	1903	1832	N13	E06	.156	13280	11.2	43	-B				1.56				4 4 4 4
PALE	10	1819	1902	1830	N13	E06	.156	13280	11.2	43	-B	3	C		1.27				F
MCMA	10	1820	1900	1836	N13	E05	.146	13280	11.1	40	-B		C	1836	1.55	1.50			EH
BOUL	10	1825E	1914	1829	N13	E07	.168	13280	11.3	490	1N		C	1829	2.57	2.59			
HUAN	10	1838E	1854		N12	E06	.144	13280	11.2	160	-N	2	P	1839	.85	.88			E

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	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP61503	10	1838	1845	1841	S18	W26	.578	13278	8.8	7	--F		C		.34				2 2 2 4
BOUL	10	1838	18420	1840	S18	W26	.578	13278	8.8	40	-F		C	1840	.32	.36			
PALE	10	1841E	1845	1841	S18	W25	.568	13278	8.9	40	-N	3	C		.36				DE
GRP61504	10	1934	1950	1940	N05	E19	.325	13280	12.2	16	--F				.47				4 4 4 4
MCMA	10	1925	19500	1941	N05	E19	.325	13280	12.2	250	-N		C	1941	.41	.50			EV
BOUL	10	1935	19500	1939	N06	E18	.307	13280	12.2	150	-F		C	1939	.43	.45			
PALE	10	1938E	19400	1940U	N04	E19	.326	13280	12.2	20	-F	2	C		.62				
HUAN	10	1938	19420		N06	E19	.324	13280	12.2	40	-F	2	P	1942	.40	.44			
GRP61505	10	1945	1951	1950	N13	E05	.146	13280	11.2	6	--F				.31				2 2 2 3
MCMA	10	1941	19500		N13	E05	.146	13280	11.2	90	-F		C	1947	.41	.50			E
BOUL	10	1949	19510	1950	N13	E05	.146	13280	11.2	20	-F		C	1950	.21	.22			
	10	1953	1957	NO FLARE PATROL															
506 PALE	10	2002E	2014	2002U	N12	E06	.144	13280	11.3	120	--F	2	C		.36				DE 1
507 PALE	10	2031	2036	2032	N08	E18	.308	13280	12.2	5	--F	2	C		.36				DE 3
GRP61508	10	2044	2048	2045	N10	E20	.344	13280	12.4	4	--F				.20				2 2 2 3
BOUL	10	2043	2048	2044	N10	E20	.344	13280	12.4	5	-F		C	2044	.21	.23			
PALE	10	2044	20470	2045	N10	E20	.344	13280	12.4	30	-N	2	C		.19				DE
GRP61509	10	2051	2137	2056	N08	E16	.275	13280	12.1	46	--N				.93				3 3 3 3
MCMA	10	2050E	21130		N10	E12	.216	13280	11.8	230	-N		C	2055	1.65	1.60			EI
BOUL	10	2052	21370	2056	N07	E18	.307	13280	12.2	450	-F		C	2056	.86	.90			
PALE	10	2055E	20550	2056	N07	E18	.307	13280	12.2	10	-N	2	C		.27				DE
	10	2113	2141	NO FLARE PATROL															
	10	2154	2209	NO FLARE PATROL															
	10	2211	2212	NO FLARE PATROL															
510 PALE	10	2249E	2302	2249U	N03	W20	.345	13279	9.5	130	--N	2	C		.81				F 2
GRP61511	10	2316	2335	2320	N09	E15	.261	13280	12.1	19	--F				.32				2 1 1 3
BOUL	10	2316	2335	2320	N09	E15	.261	13280	12.1	19	-F		C	2320	.32	.33			
PALE	10	2333E	2348	2334	N12	E05	.132	13280	11.4	150	-N	2	C		.55				F
	10	2319	2321	NO FLARE PATROL															
513 VORO	11	0112	0119	0113	N06	E22	.373	13280	12.7	7	--B		C	0113	.81	.80		61	EH 2
514 VORO	11	0129	0136	0132	N11	E27	.456	13280	13.1	7	-B		C	0132	.90	1.00		71	EHJ 4
GRP61517	11	0325	0402	0331	N12	E02	.107	13280	11.3	37	1N				2.97				4 3 3 4
CULG	11	0325	04080	0329	N12	E02	.107	13280	11.3	430	1N		F	0329	2.20	2.20			
TEHR	11	0329E	0402	0329	N12	E03	.114	13280	11.4	330	1B	3	C		5.07				Z U
PALE	11	0336E	0357	0336U	N12	E02	.107	13280	11.3	210	-N	1	V		1.65				DE
VORO	11	0343	0400		N13	W01	.120	13280	11.1	17	1B		C	0343	2.33	2.40		112	E
518 TEHR	11	0425	0443	0430U	N12	E02	.107	13280	11.3	18	--F	3	V		.31				F 2
519 TEHR	11	0444	0505	0449	N08	E10	.175	13280	11.9	21	--F	4	C		.64				F 2
520 TEHR	11	0523	0547	0527	N05	W23	.389	13279	9.5	24	--N	4	C		.45				F 3
GRP61521	11	0614	0629	0618	N09	E15	.261	13280	12.4	15	--N				.39				2 2 2 3
TEHR	11	0611	0627	0618	N08	E15	.259	13280	12.4	16	-N	4	C		.28				DE
ATHN	11	0616	0630	0618	N10	E14	.248	13280	12.3	14	-N	2	C		.50				F
522 TEHR	11	0631	0647	0637	N10	E14	.248	13280	12.3	16	--F	4	C		.46				3
523 TEHR	11	0640	0649	0643	S19	W34	.668	13278	8.7	9	--N	4	V		.15				DE 3
524 TEHR	11	0707	0714	0708	N09	E14	.245	13280	12.3	7	--F	4	C		.17				F 3
GRP61525	11	0755	0818	0801	N10	E14	.248	13280	12.4	23	--N				.35				3 3 3 5
ATHN	11	0739	08140	0740	N11	E13	.237	13280	12.3	350	-F	2	C		.33				DE
TEHR	11	0752	0817	0801	N09	E15	.261	13280	12.5	25	-N	4	C		.28				F
ATHN	11	0757	0811	0800	N10	E13	.232	13280	12.3	14	-N	1		0800	.68	.64			
HTPR	11	0809E	0818		N10	E13	.232	13280	12.3	90	-F		C	0810	.10	.10			
3 STATIONS REPORTING GROUP 61526. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61526	11	0828	0845	0833	N10	E13	.232	13280	12.3	17	-N				.91				3 3 3 4
HTPR	11	0827	08350		N10	E13	.232	13280	12.3	90	-B		C	0832	1.03	1.00			E
ABST	11	0828	0842	0831	N10	E13	.232	13280	12.3	14	-F		C	0831	1.14	1.20			DJ
TEHR	11	0830	0848	0835	N09	E14	.245	13280	12.4	18	-B	4	C		.55				F H

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OBSERVATORY	OBSERVED UT DATE OCT	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
526 TEHR	11	0836	0846	0839	N15	E15	.295	13280	12.5	10	*-F	4	C		.25				F 4
5 STATIONS REPORTING GROUP 61527. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61527	11	1010	1050	1020	N13	W03	.130	13280	11.2	40	1B				3.25				3 3 3 3
TEHR	11	1006E	1022D	1012	N13	W01	.120	13280	11.3	160	1B	4	V		2.31				Z
CATA	11	1010	1045D	1021	N13	W03	.130	13280	11.2	350	1B	3		1021	3.93	4.09	3.72		
KIEV	11	1015	1050	1027	N13	W04	.137	13280	11.1	35	1N		C	1027	3.50	3.50		70	EI
61527	11	1027	1125	1034	N11	W03	.099	13280	11.2	59	*1B				3.16				2 2 2 5
ATHN	11	1027E	1126	1033	N12	W02	.107	13280	11.3	590	1B	2	C		2.31				U F
HERS	11	1032E	1039D	1034	N10	W03	.084	13280	11.2	70	1N		P	1034	4.01	4.00			E
GRP61528	11	1125	1135	1130	N04	W28	.469	13279	9.4	10	--F				.39				2 2 2 5
ATHN	11	1125	1135	1129	N04	W28	.469	13279	9.4	10	-N	2	C		.50				DE
RAMY	11	1130E	1134	1130U	N04	W27	.454	13279	9.5	40	-F	5	C		.28				DE
GRP61531	11	1208	1235	1211	N13	W04	.137	13280	11.2	27	-F				.89				3 2 2 6
RAMY	11	1205	1235	1208	N13	W06	.157	13280	11.1	30	-F	5	C		.46				F
TEHR	11	1210	1224D	1214	N13	W01	.120	13280	11.4	140	-N	4	V		1.32				F
MCMA	11	1223E	1310		N12	W04	.123	13280	11.2	470	-N		C	1225	1.03	1.00			BE
GRP61532	11	1255	1311	1301	N10	E11	.200	13280	12.4	16	--N				.52				5 5 5 5
MCMA	11	1250	1315	1300	N10	E10	.184	13280	12.3	25	-B		C	1300	.83	.80			EV
HTPR	11	1256	1307	1300	N10	E12	.216	13280	12.4	11	-N		C	1301	.31	.30			E
HUAN	11	1257	1310	1259	N11	E10	.191	13280	12.3	13	-N	1	C	1259	.60	.63			
RAMY	11	1258	1310	1303	N10	E10	.184	13280	12.3	12	-B	5	C		.46				OE
TEHR	11	1305E	1312	1305U	N08	E11	.192	13280	12.4	70	-N	4	C		.41				F
GRP61533	11	1416	1436	1425	N10	E08	.153	13280	12.2	20	-B				1.63				4 4 4 4
MCMA	11	1338	1420D	1348	N10	E03	.084	13280	11.8	420	-N		C	1348	1.86	1.80			EI
RAMY	11	1408	1434	1424	N09	E09	.163	13280	12.3	26	-N	5	C		1.30				FDE
HTPR	11	1417	1425D		N06	E08	.138	13280	12.2	8D	-F		C	1420	.21	.20			EI
HTPR	11	1419	1425D		N10	E10	.184	13280	12.3	6D	-B		C	1422	1.44	1.40			EI
HUAN	11	1420	1425D		N11	E09	.176	13280	12.3	5D	-B	1	P	1424	1.50	1.58			
HTPR	11	1420	1425D		N14	E12	.245	13280	12.5	5D	-N		C	1422	.21	.20			E
MCMA	11	1420	1438	1426	N10	E08	.153	13280	12.2	18	1B		C	1426	2.06	2.10			EHV
GRP61534	11	1425	1538	1441	N12	W03	.114	13280	11.4	73	1B				2.44				4 3 3 4
RAMY	11	1425	1548	1441	N12	W01	.103	13280	11.5	83	1N	5	C		3.71				FDE
MCMA	11	1425	1550		N13	W03	.130	13280	11.4	85	1B		C	1439	2.06	2.10			FIWZ
HTPR	11	1437E	1515		N12	W05	.133	13280	11.2	38D	-B		C	1445	1.55	1.50			EFI
HUAN	11	1437E	1518D		N12	W05	.133	13280	11.2	41D	-B	1	P	1453	1.10	1.14			E
GRP61535	11	1621	1634	1627	N11	E07	.147	13280	12.2	13	--F				.72				2 2 2 3
MCMA	11	1621	1635	1627	N11	E06	.133	13280	12.1	14	-N		C	1627	.83	.80			E
HUAN	11	1624E	1632		N11	E07	.147	13280	12.2	8D	-F	1	C	1626	.60	.62			
GRP61536	11	1640	1710	1642	N11	E06	.133	13280	12.1	30	--N				.83				2 1 1 4
MCMA	11	1640	1710D	1642	N11	E06	.133	13280	12.1	30D	-N		C	1642	.83	.80			E
PALE	11	1657E	1705	1657U	N11	E09	.176	13280	12.4	8D	-F	2	C		.36				DE
GRP61537	11	1645	1717	1700	N12	W06	.145	13280	11.2	32	--F				.72				2 2 2 3
MCMA	11	1645	1710D	1659	N12	W06	.145	13280	11.2	25D	-F		C	1659	.72	.70			E
PALE	11	1657E	1717	1700	N12	W06	.145	13280	11.3	20D	-F	2	C		.72				DE
GRP61538	11	1728	1746	1733	N11	E07	.147	13280	12.3	18	-B				1.73				4 3 3 4
PALE	11	1725	1743D	1732	N11	E08	.161	13280	12.3	18D	1B	2	C		2.71				U
MCMA	11	1729E	1745D		N11	E05	.120	13280	12.1	16D	-B		P	1733	.83	.80			E
RAMY	11	1731	1746	1734	N10	E08	.153	13280	12.3	15	-B	4	C		1.65				F
HUAN	11	1745E	1745D		N11	E06	.133	13280	12.2	1D	-N	1	P	1745	1.10	1.14			
GRP61539	11	1755	1807	1801	N11	E06	.133	13280	12.2	12	--F				.60				2 2 2 3
MCMA	11	1755E	1805		N11	E05	.120	13280	12.1	11D	-N		P	1757	.83	.80			E
PALE	11	1801E	1807	1801U	N11	E07	.147	13280	12.3	6D	-F	1	C		.36				DE
GRP61540	11	1820	1835	1825	N11	E07	.147	13280	12.3	16	--F				.46				2 2 2 3
RAMY	11	1820	1840	1824	N10	E06	.123	13280	12.2	20	-F	4	C		.37				F
PALE	11	1822E	1832	1825	N11	E08	.161	13280	12.4	10D	-F	2	C		.55				DE
GRP61541	11	1823	1855	1831	N12	W07	.157	13280	11.2	32	--N				.69				3 2 2 4
PALE	11	1823	1854	1831	N12	W07	.157	13280	11.2	31	-N	2	C		.55				DE
HUAN	11	1826E	1828D		N12	W07	.157	13280	11.2	2D	-F	1	P						E
MCMA	11	1829E	1855D		N12	W08	.170	13280	11.2	26D	-N		P	1840	.83	.80			E
542 PALE	11	1952	2011	1957	N11	E07	.147	13280	12.4	19	--F	2	C		.63				DE 1
543 PALE	11	2038	2054	2044	N07	E02	.038	13280	12.0	16	--F	1	C		.63				DE 1
	11	2111	2141	NO FLARE PATROL															

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OBSERVATORY	OBSERVED UT				LOCATION						DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY						TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
544 HUAN	11	2157	2208	2201	N09	E04	.085	13280	12.2		11	--F	1	C						2
	11	2212	2215	NO FLARE PATROL																
545 VORO	12	0007	0044	0008	N12	W11	.214	13280	11.2		37	--B		C	0008	.90	.90		73	EJ 2
GRP61546	12	0125	0154	0127	N12	W10	.199	13280	11.3		29	--N				.45				2 1 1 4
PALE	12	0125	01540	0127	N12	W10	.199	13280	11.3		290	-N	1	C		.45				F
MANI	12	0137E	02060	0145U	N10	W10	.185	13280	11.3		290	-N	2		0145	.83	.84			F
547 PALE	12	0129	01330	0133U	N09	E17	.294	13280	13.3		40	--N	2	C		.36				4
GRP61548	12	0137	0154	0139	N08	E02	.048	13280	12.2		17	-N				1.27				3 3 3 4
VORO	12	0136	0157	0138	N08	E02	.048	13280	12.2		21	-B		C	0138	1.70	1.70		74	EJL
MANI	12	0137E	01480	0138U	N07	E02	.038	13280	12.2		110	-N	2		0138	.93	.93			F
PALE	12	0137	0151	0142	N07	E02	.038	13280	12.2		14	-N	1	C		1.18				F
PALE	12	0145E	0219	0149	N12	E04	.124	13280	12.4		340	-N	2	C		.72				DE
61548	12	0201	0237	0212	N10	E03	.085	13280	12.3		36	*-B				.76				2 2 2 3
VORO	12	0201	0235	0207	N10	E03	.085	13280	12.3		34	-B		C	0207	.90	.90		77	EJL
MANI	12	0216E	02380	0217	N09	E02	.061	13280	12.2		220	-N	2		0217	.62	.62			F
GRP61550	12	0321	0339	0329	S20	W47	.799	13278	8.6		18	--F				.44				2 2 2 3
TEHR	12	0321	0334	0326	S20	W46	.790	13278	8.7		13	-F	3	C		.36				
MANI	12	0332E	0344	0332U	S20	W47	.799	13278	8.6		120	-N	2		0332	.52	.72			
553 TEHR	12	0425	0443	0431	N12	E01	.104	13280	12.3		18	--F	3	C		.45				F 3
554 MANI	12	0448E	0517	0448U	N11	W15	.269	13280	11.1		290	--F	2		0448	.52	.54			2
555 MANI	12	0448E	0514	0452U	N07	E00	.016	13280	12.2		260	--N	2		0452	.72	.72			F 2
556 MANI	12	0448E	0507	0453	S19	W45	.776	13278	8.8		190	--F	2		0453	.52	.69			2
GRP61557	12	0552	0603	0554	N07	E00	.016	13280	12.2		11	--F				.39				2 2 2 3
TEHR	12	0551	0605	0554	N05	E00	.019	13280	12.2		14	-N	4	C		.27				DE
ATHN	12	0552	0600	0554	N08	E00	.033	13280	12.2		8	-F	2	C		.50				DE
6 STATIONS REPORTING GROUP 61559.							1 STATIONS OBSERVING AND NOT REPORTING.													
GRP61559	12	0718	0755	0724	N09	W02	.061	13280	12.2		37	--N				.60				5 5 5 6
HTPR	12	0714	0751	0720	N08	W02	.048	13280	12.2		37	-F		C	0714	.21	.20			EK
TEHR	12	0718	0803	0723	N10	E01	.070	13280	12.4		45	-B	4	V		.41				DE Z
BUCA	12	0720	0805		N10	W03	.085	13280	12.1		45	-N		P	0732	1.10	1.10			E
ATHN	12	0721	0805	0724	N10	W01	.070	13280	12.2		44	-N	3	V		.50				F
ABST	12	0726E	0732	0728	N07	W06	.105	13280	11.9		60	-F		P	0728	.79	.80			DJ
61559	12	0719	0758	0736	N10	W02	.076	13280	12.2		39	*-F				1.22				4 1 1 7
HTPR	12	0716	0730	0720	N12	W15	.275	13280	11.2		14	-F		C	0720	.31	.30			
ABST	12	0719	0758	0736	N10	W02	.076	13280	12.2		39	-F		C	0736	1.22	1.30			FJ
ATHN	12	0720	0758	0724	N01	W12	.225	13280	11.4		38	-N	2	C		.66				F
MANI	12	0755E	0758D	0755U	N10	W01	.070	13280	12.3		30	-N	1		0755	.72	.72			F
GRP61561	12	0813	0837	0816	N11	W03	.100	13280	12.1		24	--F				.37				3 2 2 4
ATHN	12	0812	0830	0814	N10	W02	.076	13280	12.2		18	-F			0814	.17	.16			
ATHN	12	0812	08300	0813	N11	W01	.087	13280	12.3		180	-F	2	C		.17				F
TEHR	12	0813	0837	0817	N11	W04	.110	13280	12.0		24	-F	4	C		.56				U F
ABST	12	0820E	08320	0825	N10	W15	.265	13280	11.2		120	-F		P	0825	1.05	1.10			EJ
GRP61562	12	0827	0840	0830	S19	W47	.795	13278	8.8		13	--F				.94				2 2 2 4
ABST	12	0825	08350	0826	S20	W50	.826	13278	8.6		110	-F		P	0826	.87	1.60			DJ
TEHR	12	0829	.0840	0833	S18	W44	.762	13278	9.1		11	-F	4	C		1.00				
GRP61564	12	1027	1037	1032	N11	W10	.191	13280	11.7		10	--F				.15				3 3 3 6
HTPR	12	1025	1034	1029	N10	W10	.185	13280	11.7		9	-F		C	1029	.10	.10			E
TEHR	12	1027	1040	1031	N12	W10	.199	13280	11.7		13	-F	4	C		.19				F
ATHN	12	1030	1037	1037	N12	W11	.214	13280	11.6		7	-N	2	C		.17				DE
GRP61565	12	1046	1108	1051	N10	W02	.076	13280	12.3		22	--F				.21				3 3 3 5
ATHN	12	1041	1049	1045	N11	W06	.134	13280	12.0		8	-N	1	C		.17				DE
RAMY	12	1049E	11100	1051	N10	W03	.085	13280	12.2		210	-F	5	V		.28				FDE
TEHR	12	1049	1105	1056	N11	E02	.092	13280	12.6		16	-F	4	C		.19				F
ATHN	12	1050	10570	1054	N06	W04	.069	13280	12.2		70	-N	2	C		.17				F
GRP61566	12	1130	1217	1147	N11	W05	.121	13280	12.1		47	1B				4.04				4 4 4 4
KIEV	12	1120	1202	1150	N13	W05	.147	13280	12.1		42	2B		C	1150	6.80	6.80		80	EI
TEHR	12	1130	1145	1140	N12	W12	.229	13280	11.6		15	-N	4	C		.56				DE
RAMY	12	1133E	12370	1148U	N08	W05	.093	13280	12.1		640	1N	4	C		4.64				F
TEHR	12	1133	1219	1144	N10	E02	.076	13280	12.6		46	1N	4	C		2.31				F
HTPR	12	1135	1210	1146	N10	W05	.110	13280	12.1		35	-B		C	1146	1.86	1.80			EFI

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OBSERVATORY	OBSERVED UT DATE OCT	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	COND.	TYPE	OBS.	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP61567	12	1149	1211	1155	N14	W16	.303	13280	11.3	22	--N					.83				2 2 2 4
RAMY	12	1148	1214	1152	N14	W18	.332	13280	11.1	26	-N	5	C			1.02				F
TEHR	12	1149	1207	1158	N14	W14	.274	13280	11.4	18	-N	4	C			.64				F
GRP61568	12	1311	1332	1317	N10	W04	.097	13280	12.2	21	-N					1.02				3 3 3 3
TEHR	12	1307	1336	1320	N10	W03	.085	13280	12.3	29	-N	4	C			1.28				F
HTPR	12	1310	1327	1313	N10	W05	.110	13280	12.2	17	-F		C		1313	.21	.20			EK
RAMY	12	1315	1334	1318	N11	W04	.110	13280	12.3	19	-N	4	C			1.56				F
GRP61569	12	1426	1449	1433	N13	W19	.341	13280	11.2	23	--F					.43				3 3 3 3
HTPR	12	1425	1442	1432	N13	W20	.356	13280	11.1	17	-F		C		1432	.21	.20			E
ATHN	12	1426	1440	1434	N12	W18	.321	13280	11.3	14	-F	2	C			.33				DE
RAMY	12	1426	1505D	1433U	N14	W20	.362	13280	11.1	39D	-F	5	C			.74				DE
GRP61570	12	1441	1528	1523	N07	W15	.258	13280	11.5	47	--F					.21				2 2 1 4
HUAN	12	1405E	1526D		N04	W10	.177	13280	11.8	81D	-N	1	P							
HTPR	12	1517	1528	1523	N10	W20	.345	13280	11.1	11	-F		C		1518	.21	.20			K
GRP61571	12	1501	1519	1506	N11	W20	.348	13280	11.1	18	--F					.25				3 3 3 4
HUAN	12	1500	1525D		N11	W21	.364	13280	11.1	26D	-F	1	P		1505	.20	.22			D
HTPR	12	1501	1511	1504	N10	W20	.345	13280	11.1	10	-F		C		1504	.21	.20			
ATHN	12	1503	1510D	1507	N11	W18	.317	13280	11.3	7D	-N	2	C			.33				F
GRP61572	12	1609	1626	1614	N09	W16	.278	13280	11.5	17	--F					.43				2 2 2 2
HTPR	12	1600	1607	1603	N08	W20	.341	13280	11.2	7	-F		C		1603	.10	.10			K
HTPR	12	1601	1622	1603	N05	W12	.208	13280	11.8	21	-F		C		1603	.10	.10			K
HTPR	12	1602	1625	1604	N07	W18	.307	13280	11.3	23	-F		C		1604	.10	.10			
RAMY	12	1607	1626	1614	N09	W16	.278	13280	11.5	19	-F	5	C			.65				F
HTPR	12	1610	1625D	1613	N13	W15	.281	13280	11.5	15D	-F		C		1613	.21	.20			EK
573 PALE	12	1649	1654	1651	N12	W20	.352	13280	11.2	5	--F	2	C			.36				F 2
574 PALE	12	1726	1753	1732	N10	W06	.124	13280	12.3	27	-N	2	C			1.80				DE 1
575 PALE	12	1833	1851	1843	N12	W18	.321	13280	11.4	18	--F	3	C			.45				F 2
GRP61576	12	1858	1928	1908	N11	W07	.147	13280	12.3	30	--N					.57				2 2 2 2
PALE	12	1858	1927	1905	N11	W08	.162	13280	12.2	29	-N	3	C			.63				DE
RAMY	12	1901E	1928D	1910U	N10	W06	.124	13280	12.3	27D	-N	4	C			.50				DE
577 PALE	12	2205	2218	2209	N08	W22	.373	13280	11.3	13	--F	3	C			.55				F 2
578 PALE	12	2211	2218D	2214	N13	W09	.195	13280	12.2	7D	--F	3	C			.36				2
3 STATIONS REPORTING GROUP 61579. 2 STATIONS OBSERVING AND NOT REPORTING.																				
GRP61579	13	0509	0552	0518	N11	W13	.238	13280	12.2	43	1B					2.09				3 3 3 5
TEHR	13	0453	0558	0519	N12	W14	.260	13280	12.2	65	1B	4	C			2.73				U
ATHN	13	0508	0555	0512	N12	W12	.229	13280	12.3	47	-N	3	V			1.32				U F
TACH	13	0510	0544	0522	N09	W13	.229	13280	12.2	34	1B		V		0522	2.21	2.36		102	CEKHZ
579 ATHN	13	0513	0521	0516	N08	W23	.389	13280	11.5	8	*-F	3	V			.50				F 5
GRP61583	13	0656	0714	0700	N12	W17	.306	13280	12.0	18	--F					.62				3 3 3 6
ATHN	13	0654	0708	0658	N12	W15	.275	13280	12.2	14	-F	1			0658	.52	.50			
TEHR	13	0655	0715	0658	N13	W17	.311	13280	12.0	21	-F	4	C			.55				F
ABST	13	0700	0718	0703	N12	W19	.337	13280	11.9	18	-F		C		0703	.79	.80			DJ
GRP61583	13	0840	0907	0844	N14	W31	.523	13280	11.0	27	--F					.85				4 4 4 8
HTPR	13	0838	0859	0841	N13	W32	.534	13280	11.0	21	-F		C		0841	.41	.50			E
ARCE	13	0838E	0925D		N12	W30	.503	13280	11.1	47D	-F		C		0848	.75	.90			
BUCA	13	0840	0900		N14	W30	.508	13280	11.1	20	-F		C		0842	1.10	1.20			
ABST	13	0845	0902	0847	N15	W30	.512	13280	11.1	17	-N		C		0847	1.14	1.40			FJ
10 STATIONS REPORTING GROUP 61584. 1 STATIONS OBSERVING AND NOT REPORTING.																				
GRP61584	13	0850	1112	0939	N12	W26	.444	13280	11.4	142	1B					7.42				3 3 3 6
TEHR	13	0840	1140	0936	N13	W25	.432	13280	11.5	180	1B	4	C			4.93				U F
HTPR	13	0855	1045	0936	N13	W27	.462	13280	11.3	110	-B		C		0936	.83	.90			UZ
KHAR	13	0855E	1110D	0945	N12	W26	.444	13280	11.4	135D	3N		P		0950	16.50	18.40	2.40		EKQTZ
TEHR	13	0926E	0950D	0934	N10	W25	.424	13280	11.5	24D	-N	3	V			.52				F
61584	13	0925	1125	0958	N11	W22	.380	13280	11.7	120	*1N					4.65				3 3 3 8
ARCE	13	0916E	1000D		N10	W20	.345	13280	11.9	44D	2N		C		0950	7.37	8.30			FI
HTPR	13	0933	1115	0956	N08	W24	.405	13280	11.6	102	-N		C		0956	.41	.40			
CATA	13	0950E	1030D	1000	N13	W22	.387	13280	11.8	40D	2B	3			1000	6.18	6.91	2.95		
HTPR	13	1115	1135	1116	N11	W25	.426	13280	11.6	20	-N		C		1116	.21	.20			E

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OBSERVATORY	OBSERVED UT				LOCATION						DURATION	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY		MIN.				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
61584	13	0945	1048	1008	N12	W28	.474	13280	11.3		63	*1N				3.03				3 3 3 7
HTPR	13	0945	1055	1005	N17	W32	.547	13280	11.0		70	-F		C	1005	.62	.70			
KIEV	13	0954E	1055	1010	N10	W25	.424	13280	11.5		61D	2N		C	1010	6.00	6.80		60	EI
TEHR	13	0959E	1034	1009	N10	W26	.439	13280	11.5		35D	1N	3	V		2.48				F Z
61584	13	0851	1102	0857	N12	W24	.414	13280	11.6		131	*-N				.84				3 3 3 8
HTPR	13	0847	1105	0856	N12	W22	.383	13280	11.7		138	-N		C	0856	.62	.60			U
ATHN	13	0848	0855D	0855D	N11	W25	.426	13280	11.5		7D	-F	3	C		.83				F
HTPR	13	0850	1100	0857	N11	W29	.486	13280	11.2		130	-B		C	0857	.10	.10			DZ
ABST	13	0854	0927D	0858	N13	W22	.387	13280	11.7		33D	-F		P	0858	.96	1.10			EJ
61584	13	0911	0928	0914	N13	W25	.432	13280	11.5		17	*-F				.69				2 2 2 7
TEHR	13	0905E	0918D	0909U	N12	W22	.383	13280	11.7		13D	-F	4	V		.50				F
ABST	13	0916	0928D	0918	N14	W27	.465	13280	11.4		12D	-F		P	0918	.87	1.00			DJ
61584	13	0850	1100	1002	N11	W29	.486	13280	11.2		130	*-B				.31				3 1 1 9
HTPR	13	0850	1100	0927	N11	W29	.486	13280	11.2		130	-B		C	0927	.31	.30			EWZ
LOCA	13	1015E	1100		N10	W23	.393	13280	11.7		45D	2N		P	1020	5.70	6.40			B
RAMY	13	1036E	1059	1036U	N10	W24	.408	13280	11.6		23D	-F	3	C		.84				DE
586 RAMY	13	1628	1638	1630	N06	W18	.307	13280	12.3		10	--F	4	C		.28				DE 3
GRP61587	13	1730	1737	1732	N10	W22	.377	13280	12.1		7	--F				.29				2 2 2 4
BOUL	13	1729	1738	1732	N10	W22	.377	13280	12.1		9	-F		C	1732	.21	.23			
PALE	13	1730	1735	1731	N10	W22	.377	13280	12.1		5	-F	3	C		.36				F U
GRP61588	13	1741	1804	1746	N10	W22	.377	13280	12.1		23	--F				.34				2 2 2 4
BOUL	13	1741	1805	1745	N10	W22	.377	13280	12.1		24	-F		C	1745	.32	.35			
PALE	13	1743E	1802	1747	N09	W22	.375	13280	12.1		19D	-F	3	C		.36				F U
589 BOUL	13	1923	19410	1927	S18	W67	.941	13278	8.8		18D	--F		C	1927	.75	1.85			2
	13	1941	1957	NO FLARE PATROL																
	13	2013	2014	NO FLARE PATROL																
590 PALE	13	2024	2039	2028	N10	W31	.514	13280	11.5		15	--F	3	C		.36				F 1
591 PALE	13	2221E	22280	2222	N10	W31	.514	13280	11.6		7D	--F	3	C		.63				DE 2
GRP61592	13	2246	2328	2301	N11	W27	.456	13280	11.9		42	-N				1.13				3 3 3 4
PALE	13	2241	2256	2243	N12	W31	.518	13280	11.6		15	-F	2	C		.27				F
PALE	13	2251	2328	2302	N10	W24	.408	13280	12.2		37	-N	2	C		.91				U H
MANI	13	2258E	2318D	2300U	N11	W24	.411	13280	12.2		20D	-N	1		2300	1.13	1.24			FH
BOUL	13	2302E	23150	2302E	N11	W27	.456	13280	11.9		13D	-N		C	2302	1.07	1.20			
PALE	13	2303	2311	2305	N09	W39	.626	13280	11.0		8	-F	2	C		.27				F
593 PALE	13	2250	2358	2254	S17	E15	.460	13285	15.1		68	--F	2	C		.19				3
GRP61594	14	0554	0622	0555	N13	W35	.576	13280	11.6		28	--F				.96				3 3 3 5
MITK	14	0552	0609	0554	N13	W36	.590	13280	11.5		17	-F		C	0554	.62	.80			EH
ATHN	14	0553E	06010	0554U	N12	W33	.546	13280	11.8		8D	-F	1	C		.50				U
ABST	14	0557	0634D	0558	N13	W35	.576	13280	11.6		37D	1N		P	0558	1.75	2.30			BEJ
GRP61595	14	0955	0958	0956	N13	W36	.590	13280	11.7		3	--F				.28				2 2 2 6
HTPR	14	0953	0956	0954	N13	W38	.617	13280	11.6		3	-F		C	0954	.21	.30			E
ATHN	14	0956	0959	0957	N13	W34	.563	13280	11.9		3	-F	1		0957	.34	.35			
GRP61598	14	1624	1652	1631	N10	W51	.773	13280	10.9		28	-B				.71				5 4 4 5
HTPR	14	1623	1625D	1624	N11	W51	.773	13280	10.9		3D	-B		C	1624	.52	.80			
RAMY	14	1623	1652	1631	N08	W51	.773	13280	10.9		29	-B	3	C		1.29				DE
HUAN	14	1625	1649	1629	N10	W52	.784	13280	10.8		24	-N	1	C	1629	.40	.66			
BOUL	14	1638E	1654	1638E	N10	W50	.762	13280	10.9		16D	-N		C	1638	.64	1.00			
PALE	14	1640E	1652	1646	N10	W50	.762	13280	10.9		12D	-B	2	C		.36				
	14	2005	2012	NO FLARE PATROL																
599 PALE	14	2154	22060	2200	N15	W53	.796	13280	10.9		12D	--F	2	C		.83				DE 1
	14	2206	2215	NO FLARE PATROL																
601 TEHR	15	0315E	03450	0331	N11	W39	.628	13280	12.2		30D	--F	2	C		.36				F 3

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OBSERV-ATORY	OBSERVED UT: DATE OCT	START	END	MAX. PHASE	LOCATION: APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	COND.	OBS. TYPE	MEASUREMENTS: TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP61602	15	0811	0902	0817	N09	W43	.679	13280	12.1	51	2N				5.29				5 5 5 5
HTPR	15	0809	0850	0815	N10	W42	.666	13280	12.2	41	1B		C	0815	1.65	2.20			U
KHAR	15	0810E	0920	0816	N08	W43	.678	13280	12.1	70D	3N		P	0816	8.80	12.70			CETWXZ
ABST	15	0810	0855D	0822	N12	W45	.705	13280	12.0	45D	2N		P	0822	8.70	12.40		88	FIJK
MANI	15	0812	0824D	0818	N08	W42	.666	13280	12.2	12D	1N	2		0818	2.99	4.03			F
HTPR	15	0813	0855	0822	N13	W47	.729	13280	11.8	42	-F		C	0822	.83	1.10			
TEHR	15	0815E	0859	0816U	N07	W40	.639	13280	12.3	44D	1B	4	V		4.29				U
TEHR	15	0903E	0923	0905U	N10	W42	.666	13280	12.2	20D	-F	4	V		.25				OE
GRP61605	15	1154	1214	1159	N10	W46	.716	13280	12.0	20	--F				.36				3 3 2 6
TEHR	15	1153	1218	1201	N10	W43	.679	13280	12.3	25	-F	4	V		.50				F
HTPR	15	1154	1210	1157	N09	W47	.728	13280	12.0	16	-F		C	1157	.21	.30			E
KHAR	15	1157E	1205D		N11	W48	.740	13280	11.9	9D	-F		V	1158			1.20		D
GRP61607	15	1232	1250	1239	N10	W46	.716	13280	12.1	18	--F				.41				4 4 4 5
HTPR	15	1231	1255	1236	N09	W47	.728	13280	12.0	24	-N		C	1236	.31	.40			E
HJAN	15	1231	1240D		N11	W46	.716	13280	12.1	9D	-F	1	P	1236	.35	.52			E
RAMY	15	1233	1247	1238U	N08	W46	.716	13280	12.1	14	-F	3	C		.46				OE
TEHR	15	1242E	1249	1242U	N10	W44	.691	13280	12.2	7D	-N	4	V		.50				F
6 STATIONS REPORTING GROUP 61608. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61608	15	1324	1427	1330	N08	W47	.728	13280	12.0	63	1B				3.28				6 6 6 6
BOUL	15	1323	1425	1328	N07	W47	.728	13280	12.0	62	1N		C	1328	2.36	3.47			
HTPR	15	1323	1415	1325	N09	W47	.728	13280	12.0	52	1B		C	1325	1.34	2.30			V
RAMY	15	1324	1418	1336	N06	W48	.740	13280	12.0	54	1B	4	C		4.18				OE F
TEHR	15	1325E	1329D	1326U	N06	W43	.679	13280	12.3	4D	1B	1	V		4.13				U
HUAN	15	1325	1429	1327	N10	W47	.728	13280	12.0	64	1B	2	P	1327	3.00	4.62			
HTPR	15	1326	1430	1333	N03	W48	.742	13280	12.0	64	-N		C	1333	.93	1.60			
MCMA	15	1330E	1450D	1335	N10	W48	.739	13280	12.0	80D	2B		C	1335	4.64	7.00			FH
608 HTPR	15	1326	1420	1326	N14	W50	.764	13280	11.8	54	*-N		C	1326	.62	.90			7
GRP61611	15	1850	1917	1857	N09	W49	.751	13280	12.1	27	--F				.79				5 5 5 5
BOUL	15	1845U	1906D	1856U	N10	W48	.739	13280	12.2	21D	-F		C	1856	.43	.64			
MCMA	15	1850	1924D	1900	N10	W51	.773	13280	12.0	34D	-N		C	1900	1.13	1.70			E
RAMY	15	1851	1918	1856	N06	W51	.774	13280	12.0	25	-F	4	C		.56				F
HUAN	15	1851	1915	1853U	N10	W48	.739	13280	12.2	24	-F	1	C	1853	.40	.62			E
PALE	15	1851	1914	1858	N10	W49	.751	13280	12.1	23	1N	3	C		1.44				F
GRP61612	15	1923	1945	1930	N06	W79	.980	13279	9.9	22	--F				.38				2 2 2 4
RAMY	15	1922	1950	1932U	N04	W77	.973	13279	10.0	28	-F	4	C		.31				
PALE	15	1923	1940	1928	N07	W80	.983	13279	9.8	17	-N	2	C		.45				
GRP61613	15	1939	1958	1950	N09	W56	.825	13280	11.5	19	-F				1.72				2 2 2 4
PALE	15	1853E	1958D	1958D	N10	W49	.751	13280	12.1	65D	1N	3	V		1.44				F
RAMY	15	1938	1958	1946	N08	W58	.844	13280	11.5	20	-F	4	C		.65				F
PALE	15	1940	2013	1954U	N11	W59	.853	13280	11.4	33	1N	2	C		1.35				DE
GRP61614	15	2012	2051	2018	N09	W52	.784	13280	11.9	39	-N				.59				5 4 4 5
RAMY	15	2011	2035D	2016	N07	W51	.773	13280	12.0	24D	-N	4	C		.74				DE F
PALE	15	2013	2051D	2015U	N11	W51	.773	13280	12.0	38D	-B	2	C		.72				F
HUAN	15	2013	2015D		N09	W53	.794	13280	11.9	2D	-F	1	P	2015	.35	.59			
BOUL	15	2020E	2042D	2022U	N10	W51	.773	13280	12.0	22D	-N		C	2022	.54	.85			
MCMA	15	2034E	2050D		N10	W51	.773	13280	12.0	16D	-F		P	2034	.31	.50			D
	15	2113	2209	NO FLARE PATROL															
615 VORO	15	2324	2335	2326	N09	W67	.917	13280	10.9	11	-B		C	2326	.81	1.90		76	EJ 2
GRP61616	16	0003	0019	0005	N10	W53	.795	13280	12.0	16	-B				.73				2 2 2 2
VORO	16	0003	0019	0006	N08	W53	.795	13280	12.0	16	-B		C	0005	.90	1.40		101	EJ
PALE	16	0003E	0004D	0004U	N11	W52	.784	13280	12.1	1D	-N	1	C		.55				
GRP61617	16	0031	0045	0034	N11	W59	.853	13280	11.6	14	-B				.75				3 3 3 3
PALE	16	0028	0036D	0034	N12	W59	.853	13280	11.6	8D	-B	2	C		.62				DE
MITK	16	0032	0043	0035	N12	W60	.862	13280	11.5	11	-N		C	0035	.83	1.60			EH
VORO	16	0032	0046	0033	N09	W57	.835	13280	11.7	14	-B		C	0033	.81	1.40		125	EJ
GRP61620	16	0138	0203	0142	N08	W58	.844	13280	11.7	25	-B				.99				2 1 1 5
VORO	16	0138	0203	0142	N08	W58	.844	13280	11.7	25	-B		C	0142	.99	1.80		84	EJ
PALE	16	0201E	0210D	0205	N08	W57	.835	13280	11.8	9D	-F	1	C		.36				F
GRP61624	16	0729	0741	0733	N10	W72	.947	13280	10.9	12	-B				.69				3 3 3 6
TEHR	16	0728	0741	0731	N12	W72	.947	13280	10.9	13	-B	4	C		.64				DE U
ABST	16	0729	0742	0732	N10	W72	.947	13280	10.9	13	1N		C	0732	1.14			74	FJ
CATA	16	0730	0740	0735	N09	W72	.948	13280	10.9	10	-B	3		0735	.28		2.45		

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OBSERVATORY	OBSERVED UT DATE OCT	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
6 STATIONS REPORTING GROUP 61626. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61626	16	0835	1004	0907	N11	W58	.844	13280	12.0	89	1N				3.00				5 5 5 5
HTPR	16	0822	0830		N08	W60	.862	13280	11.8	8	-F		C	0822	.10	.20			D
ABST	16	0830E	0907D	0907	N15	W56	.826	13280	12.2	370	1N		P	0907	2.62	5.00		76	FJK
ARCE	16	0835E	0927D		N09	W60	.862	13280	11.9	520	2B		C	0909	5.76	11.50			K
HTPR	16	0835	0847	0840	N10	W57	.834	13280	12.1	12	-F		C	0840	.21	.40			D
HTPR	16	0837	1015	0907	N13	W63	.886	13280	11.6	98	-F		C	0907	.52	1.00			
HTPR	16	0837	1015	0857	N14	W58	.844	13280	12.0	98	-F		C	0857	.62	1.00			
TEHR	16	0839	1003	0904U	N13	W58	.844	13280	12.0	84	1N	4	C		2.89				U F
HTPR	16	0848	1015	0856	N11	W55	.815	13280	12.2	87	-F		C	0856	.21	.40			U
CATA	16	0855	0955	0910	N11	W60	.862	13280	11.9	60	2B	3		0910	3.09	6.28	2.24		
61626	16	0912	0949	0923	N12	W62	.878	13280	11.7	37	*-F				1.16				3 3 3 5
HTPR	16	0906	0955	0919	N07	W62	.879	13280	11.7	49	-F		C	0919	.21	.40			
ARCE	16	0917	0927	0924	N17	W65	.902	13280	11.5	10	-F		C	0924	.57	1.30			
MONT	16	0927E	1005	0927	N13	W59	.853	13280	12.0	380	1N		C	0927	2.70				BF
8 STATIONS REPORTING GROUP 61627. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP61627	16	1258	1411	1313	N11	W61	.870	13280	12.0	73	1B				1.78				8 8 8 8
ATHN	16	1256E	1329D	1307	N10	W63	.887	13280	11.8	330	1B	2	C		2.64				U F
HTPR	16	1258	1320	1302	N10	W60	.862	13280	12.0	22	-B		C	1302	.41	.80			E
HUAN	16	1259	1418	1304	N09	W63	.887	13280	11.8	79	1N	1	P	1304	1.40	2.93			E
MCMA	16	1302E	1445D		N10	W63	.887	13280	11.8	103D	2B		C	1304	3.61	7.50			FL
TEHR	16	1302E	1309D	1303	N10	W61	.870	13280	12.0	70	1B	2	C		1.46				U F
HTPR	16	1302	1305	1303	N14	W60	.862	13280	12.0	3	-F		C	1303	.21	.40			
HTPR	16	1302	1325	1308	N05	W62	.880	13280	11.9	23	-F		C	1308	.10	.20			
MONT	16	1305E	1422D	1305	N11	W60	.862	13280	12.0	770	-N		C	1305	2.20				B
HTPR	16	1306	1320	1308	N14	W60	.862	13280	12.0	14	-F		C	1308	.31	.60			
BOUL	16	1320E	1400	1324	N11	W56	.825	13280	12.4	400	1N		C	1324	1.71	3.03			
CATA	16	1340E	1400	1345	N14	W62	.879	13280	11.9	200	-N	3		1345	.84	1.82	1.78		
ATHN	16	1410E	1415D	1411U	N13	W65	.902	13280	11.7	50	-N	2	C		.66				F
627 HTPR	16	1301	1310	1304	N14	W67	.916	13280	11.5	9	*-N		C	1304	.21	.40			7
GRP61629	16	1642	1657	1646	N08	W57	.835	13280	12.4	15	--F				.21				2 1 1 5
BOUL	16	1642	1657	1646	N08	W57	.835	13280	12.4	15	-F		C	1646	.21	.39			
PALE	16	1657	1709	1658	N11	W68	.923	13280	11.6	12	-F	2	V		.31				DE
GRP61630	16	1803	1818	1807	N09	W60	.862	13280	12.3	15	--F				.23				3 3 3 5
PALE	16	1753E	1808	1754D	N06	W66	.911	13280	11.8	150	-N	2	C		.36				
BOUL	16	1802	1823D	1808	N09	W57	.835	13280	12.5	210	-F		C	1808	.21	.39			
RAMY	16	1804	1815	1806	N10	W60	.862	13280	12.3	11	-F	3	V		.21				DE
PALE	16	1804E	1815	1807	N10	W59	.853	13280	12.3	110	-N	2	C		.27				F H
GRP61631	16	1844	1851	1845	N12	W70	.935	13280	11.5	7	-N				.39				3 3 3 3
PALE	16	1843	1854	1845U	N13	W70	.935	13280	11.5	11	-F	3	C		.55				DE
MCMA	16	1844	1849	1846	N10	W66	.909	13280	11.8	5	-N		C	1846	.41	1.00			D
HUAN	16	1844	1849	1845	N12	W75	.962	13280	11.2	5	-N	1	C	1845	.20	.46			D
GRP61632	16	1954	2016	2003	N08	W77	.972	13280	11.1	22	--F				.33				4 4 4 4
PALE	16	1937E	1959	1940U	N10	W72	.947	13280	11.4	220	-F	2	V		.26				DE
RAMY	16	1951	1957D	1956	N07	W70	.937	13280	11.6	60	-F	3	C		.37				DE
BOUL	16	1955	2018	2002	N09	W77	.972	13280	11.1	23	-F		C	2002	.32	1.00			
HUAN	16	1955	2015	2005	N07	W85	.995	13280	10.5	20	-F	1	C	2005	.35				
PALE	16	2003	2015	2009U	N11	W78	.975	13280	11.0	12	-F	2	C		.27				DE
633 PALE	16	2026	2031D	2027	N09	W75	.963	13280	11.2	50	--N	1	C		.27				F 3
	16	2205	2213	NO FLARE PATROL															
	16	2305	0016	NO FLARE PATROL															
	17	0022	0031	NO FLARE PATROL															
	17	0116	0150	NO FLARE PATROL															
	17	0202	0217	NO FLARE PATROL															
	17	0227	0230	NO FLARE PATROL															
	17	0232	0245	NO FLARE PATROL															
	17	0246	0254	NO FLARE PATROL															
634 TEHR	17	0317	0338	0323	N09	W67	.914	13280	12.1	21	--N	3	C		.36				DE 2

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	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP61635	17	0412	0502	0418	N10	W71	.939	13280	11.9	50	-B				2.64				3 2 1 3
TEHR	17	0412	0502	0418	N10	W71	.939	13280	11.8	50	1B	4	C		2.64				F
KODA	17	0416E	04190	0417	N10	W70	.933	13280	11.9	30	-N		V	0416			2.20		O
MITK	17	0436E	0453D		N13	W75	.959	13280	11.6	170	-N		C	0436	.52				D
GRP61638	17	0829	0837	0833	N13	W80	.980	13280	11.4	8	--F				.45				2 2 2 4
ABST	17	0824	08360	0832	N13	W80	.980	13280	11.4	120	-F		P	0832	.70				DJK
MONT	17	0833	0837	0834	N13	W79	.976	13280	11.4	4	-F		C	0834	.20				
639 TEHR	17	1108	1117	1111	N07	W83	.990	13280	11.2	9	--N	4	C		.25				DE 3
GRP61644	17	1750	1802	1752	N10	W84	.992	13280	11.4	12	-N				.31				3 3 3 5
BOUL	17	1748	1807	1751	N10	W83	.989	13280	11.5	19	-F		C	1751	.21	.75			
HUAN	17	1751	1758	1752	N10	W88	.998	13280	11.1	7	-N	1	C	1752	.35				
PALE	17	1752E	18020	1752U	N11	W81	.984	13280	11.7	100	-N	2	C		.36				
646 PALE	17	1839E	1841	1839U	N11	W81	.984	13280	11.7	20	--F	3	C		.27				DE 3
GRP61647	17	1949	2003	1953	N11	W78	.973	13280	12.0	14	--F				.44				2 2 2 2
BOUL	17	1948	2010	1953	N11	W77	.969	13280	12.0	22	-F		C	1953	.43	1.34			
PALE	17	1949	1956	1953	N11	W78	.973	13280	12.0	7	-F	3	C		.45				DE
	17	2135	2145	NO FLARE PATROL															
	17	2305	0115	NO FLARE PATROL															
	18	0201	0213	NO FLARE PATROL															
648 TEHR	18	0359	0428	0405	N14	W86	.996	13280	11.7	29	--F	3	C		.46				3
649 TEHR	18	0646E	0655	0650	N15	W86	.996	13280	11.8	90	-N	4	C		.55				5
GRP61650	18	0715	0728	0717	N05	W86	.997	13280	11.9	13	-N				.65				2 2 2 5
ABST	18	0714	0725	0716	N05	W86	.997	13280	11.9	12	1N		C	0716	.96			55	AOJK
ATHN	18	0716	0730	0718	N04	W85	.996	13280	11.9	14	-N	3	C		.33				DE
ATHN	18	0725	0732	0727	N05	W85	.995	13280	11.9	7	-F	3	C		.17				DE
GRP61651	18	0751	0817	0758	N12	W88	.999	13280	11.7	26	--F				.52				3 3 2 6
ATHN	18	0747E	0824	0759	N10	W90	1.000	13280	11.6	37D	-N	3	V						DE
TEHR	18	0754	0810	0759	N15	W84	.992	13280	12.0	16	-F	4	C		.47				
CATA	18	0755E	08000	0755	N10	W90	1.000	13280	11.6	50	1F	3		0755	.56		1.32		
GRP61654	18	1330	1340	1333	N06	W87	.998	13280	12.0	10	--F				.25				4 4 4 7
HTPR	18	1323	1345	1330	N08	W90	1.000	13280	11.8	22	-F		C	1330	.21				A
ATHN	18	1329	1338	1332	N06	W89	1.000	13280	11.9	9	-N	2	C		.17				DE
HTPR	18	1329	1400	1335U	N05	W90	1.000	13280	11.8	31	-F		C	1335	.31				2 0
BOUL	18	1330	1338	1332	N05	W82	.989	13280	12.4	8	-N		C	1332	.32	1.12			
MONT	18	1331	1339	1333	N08	W88	.999	13280	12.0	8	-F		C	1333	.20				D
GRP61656	18	1416	1427	1418	N05	W88	.999	13280	12.0	11	-N				.55				7 7 3 10
HTPR	18	1415	1430	1417	N04	W90	1.000	13280	11.8	15	-N		C	1417	.31				A
BOUL	18	1415	1429	1419	N04	W82	.989	13280	12.4	14	1N		C	1419	.64	2.24			
ATHN	18	1416E	14200	1417U	N04	W90	1.000	13280	11.8	40	-F	1	C						DE
RAMY	18	1416	1424	1418	N02	W88	.999	13280	12.0	8	-N	3	C						
MONT	18	1416	1425	1418	N08	W88	.999	13280	12.0	9	-N		C	1418	.70				
HUAN	18	1416	14210	1418	N03	W90	1.000	13280	11.8	50	-F	1	P						
MCMA	18	1417	1426	1418	N11	W90	1.000	13280	11.8	9	-F		C	1418					
	18	1602	1615	NO FLARE PATROL															
657 BOUL	18	1708	1725	1715	N09	W83	.991	13280	12.5	17	--F		C	1715	.11	.38			3
	19	2045	2054	NO FLARE PATROL															
	20	0010	0020	NO FLARE PATROL															
660 RAMY	20	1945E	1950	1947U	N05	W61	.872	13292	16.2	50	--F	3	C		.31				3
	20	2005	2014	NO FLARE PATROL															
	20	2023	2028	NO FLARE PATROL															
	22	0116	0124	NO FLARE PATROL															
	22	0150	0151	NO FLARE PATROL															
	22	0245	0248	NO FLARE PATROL															
663 PALE	22	2043	2113	2055	S09	W64	.909	13302	18.1	30	--F	3	C		.40				DE Z 3

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	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		CONO.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	22	2328	2335	NO FLARE PATROL															
GRP61664	23	0656	0705	0658	S10	W72	.958	13302	17.9	9	-F		C		.56				2 2 2 3
ABST	23	0655	0704	0657	S11	W72	.959	13302	17.9	9	1F		C	0657	.79			52	DJK
ATHN	23	0656	0706	0659	S09	W72	.957	13302	17.9	10	-N	2	C		.33				DE
GRP61665	23	0759	0811	0804	S10	W71	.953	13302	18.0	12	--F				.43				3 3 3 6
HTPR	23	0758	0805	0802	S09	W70	.947	13302	18.1	7	-F		C	0802	.10				D
ABST	23	0759	0816	0807	S11	W72	.959	13302	17.9	17	1N		C	0807	.87			60	DJK
ATHN	23	0801	0812	0804	S09	W72	.957	13302	17.9	11	-F	2	C		.33				DE
666 HTPR	23	0921	0924	0922	S09	W71	.952	13302	18.1	3	--F		C	0922	.10				D 3
GRP61667	23	1015	1029	1018	S09	W73	.962	13302	18.0	14	--F				.22				2 2 2 2
HTPR	23	1015	1020	1018	S09	W72	.957	13302	18.0	5	-F		C	1018	.10				D
TEHR	23	1015	1037	1018	S09	W73	.962	13302	18.0	22	-N	4	C		.34				DE
	23	1520	1717	NO FLARE PATROL															
	23	1757	1820	NO FLARE PATROL															
	23	1830	1902	NO FLARE PATROL															
	23	2110	2128	NO FLARE PATROL															
	23	2130	2148	NO FLARE PATROL															
	24	1952	1959	NO FLARE PATROL															
	24	2014	2029	NO FLARE PATROL															
	24	2135	2142	NO FLARE PATROL															
	25	1502	1512	NO FLARE PATROL															
	25	1646	1647	NO FLARE PATROL															
	26	2141	2148	NO FLARE PATROL															
GRP61670	26	2147	2212	2151	N08	E26	.438	13309	28.9	25	--F				.37				2 2 2 2
BOUL	26	2147E	22100	2149	N08	E25	.423	13309	28.8	230	-F		C	2149	.43	.47			
PALE	26	2150E	2212	2153	N07	E26	.437	13309	28.9	220	-F	2	C		.31				DE
	27	0400	0418	NO FLARE PATROL															
	27	0419	0426	NO FLARE PATROL															
	27	0432	0440	NO FLARE PATROL															
	27	0455	0500	NO FLARE PATROL															
671 ATHN	27	0545E	0554	0547	N06	E69	.931	13315	1.4	90	--N	4	C		.33				DE 3
672 RAMY	27	1328	1338	1330	N07	E70	.937	13315	1.8	10	--F	2	C		.37				DE 3
	27	2002	2019	NO FLARE PATROL															
	27	2039	2104	NO FLARE PATROL															
	27	2106	2112	NO FLARE PATROL															
	27	2255	2300	NO FLARE PATROL															
	28	2019	2048	NO FLARE PATROL															
	28	2109	2222	NO FLARE PATROL															
673 HTPR	29	0822	0830	0824	N05	E47	.729	13315	1.9	8	--F		C	0824	.21	.30			D 3
GRP61675	29	1017	1027	1020	N04	E46	.718	13315	1.9	10	--F				.19				2 2 2 3
HTPR	29	1017	1026	1020	N05	E45	.705	13315	1.8	9	-F		C	1020	.21	.30			E
ATHN	29	1018E	1027	1019U	N03	E47	.730	13315	2.0	90	-F	3	V		.17				DE
	29	1627	1630	NO FLARE PATROL															
677 HUAN	30	1841	18450		S15	W09	.367	13314	30.1	40	--F	1	P	1843	.40	.44			E 2
	30	2151	2202	NO FLARE PATROL															

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	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	30	2250	2255	NO FLARE PATROL															
	31	0257	0300	NO FLARE PATROL															
	31	1250	1315	NO FLARE PATROL															
	31	1319	1408	NO FLARE PATROL															
	31	1500	1513	NO FLARE PATROL															
	31	1518	1522	NO FLARE PATROL															
678 HUAN	31	1539	1553	1551U	N16	E90	1.000	13324	7.4	14	-N	1	C	1551	.60				3
	31	1626	1630	NO FLARE PATROL															
	31	2048	2050	NO FLARE PATROL															
	31	2054	2057	NO FLARE PATROL															
	31	2112	2113	NO FLARE PATROL															
	31	2121	2204	NO FLARE PATROL															
	31	2227	2247	NO FLARE PATROL															
	31	2310	2318	NO FLARE PATROL															
	31	2322	2327	NO FLARE PATROL															

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 D_3 in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked asymmetry in Hα 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 Hα line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

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
741001	3.13	23.6
741002	0.00	22.4
741003	40.83	20.9
741004	0.00	20.9
741005	15.29	23.4
741006	34.08	23.5
741007	4.76	23.8
741008	9.81	23.2
741009	14.35	23.7
741010	45.16	23.2
741011	176.37	23.5
741012	117.25	24.0
741013	320.37	23.7
741014	2.66	23.7
741015	226.17	23.1
741016	78.49	22.7
741017	39.51	20.3
741018	5.42	23.6
741019	0.00	23.9
741020	0.00	23.5
741021	0.00	23.7
741022	0.00	23.7
741023	1.87	20.5
741024	0.00	23.5
741025	0.00	23.8
741026	0.00	23.9
741027	0.00	22.5
741028	0.00	22.3
741029	0.00	24.0
741030	0.00	23.7
741031	2.01	21.0

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

Hα SOLAR FLARES
Unconfirmed
OCTOBER 1974

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS	
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %		
327 ATHN	02	0625	0643	0630	S09	E29	.543	13263	4.4	17	-F	2	C		.17				DE	4
328 ATHN	02	0755	0815	0802	S08	E28	.523	13263	4.4	20	-F	4	C		.33				DE	7
329 ATHN	02	1023	1029	1024	S06	E24	.456	13263	4.2	6	-F	1		1024	.68	.68				3
331 HUAN	02	1837E	1853		N05	E90	1.000	13279	9.5	160	-F	1	P	1838	.30					3
339 TEHR	03	0805	0818	0806	S05	E10	.264	13263	4.1	13	-F	3	C		.36				DE	4
341 MCMA	03	1228	1235		S22	E75	.981	13278	9.1	7	-N		C	1230	.31				D	4
342 HUAN	03	1516	1530	1525	N13	E90	1.000	13279	10.4	14	-F	1	C	1525	.20				D	4
343 CATA	03	1545	1555	1550	N13	E90	1.000	13279	10.4	10	-F	3		1550	.28		1.23			5
344 HUAN	03	1551	1600	1555	N09	E90	1.000	13280	10.4	9	-F	1	C							5
348 MITK	04	0420E	0440D		S12	E90	1.000	13281	10.9	20D	1N		P	0420	.93					3
353 HUAN	04	1244	1311	1303U	S17	E58	.883	13278	8.9	27	-F	1	C	1303	.45	.94			T	4
356 CATA	04	1420	1445	1430	N10	E90	1.000	13280	11.3	25	1N	3		1430	.56		1.51			4
357 HUAN	04	1455	1502	1456	N08	W11	.191	13262	3.8	7	-F	1	C							4
363 TEHR	05	0735	0747	0739	S08	W21	.430	13263	3.7	12	-F	4	C		.19				H	5
364 CATA	05	0745E	0750D	0745	N08	E90	1.000	13280	12.1	50	-F	3		0745	.28		1.45			6
365 ABST	05	0754E	0803D	0756	N13	E89	.999	13280	12.0	90	1F		P	0756	.87				ADJK	5
368 HTPR	05	0824	0848	0826	S20	E48	.810	13278	9.0	24	-N		C	0826	.31	.50			EK	6
369 HTPR	05	0824	0848	0833	S20	E48	.810	13278	9.0	24	-N		C	0833	.41	.70			EK	6
372 HTPR	05	0918	0935	0925	S20	E48	.810	13278	9.0	17	-N		C	0925	.21	.30			OK	5
376 HTPR	05	1510	1525	1514	N08	E90	1.000	13280	12.4	15	-N		C	1514	.10				ADY	4
377 HUAN	05	1633	1636	1633	N10	E88	.999	13280	12.3	3	-F	1	C	1633	.20				D	4
384 ATHN	06	0523E	0529D	0526U	N11	E73	.952	13280	11.7	60	-F	1	C		.50				F	5
388 ATHN	06	0749	0800	0754	S10	W35	.623	13263	3.7	11	-F	1	C		.33				F	4
391 HTPR	06	0939	0943	0940	S13	E57	.865	13281	10.7	4	-F		C	0940	.41	.80			E	5
392 ATHN	06	1023	1032	1024	N07	E78	.976	13280	12.3	9	-F	2	C		.50				F	5
395 KHAR	06	1152E	1158D		N03	E75	.965	13280	12.1	60	-F		V						O	4
402 KODA	07	0216E	0230	0220	N14	E65	.901	13280	12.0	140	-N		P	0216	1.52	1.53	2.24		D	3
403 MITK	07	0431E	0434		N12	E66	.908	13280	12.1	30	-N		C	0431	.52				E	5
404 MITK	07	0529	0538	0531	N05	E65	.904	13280	12.1	9	-F		C	0531	.62	1.40			E	5
405 ATHN	07	0612	0621	0613	N07	E53	.795	13280	11.2	9	-F	3	C		.33				DE	6
407 ATHN	07	0754	0804	0757	S20	E21	.552	13278	8.9	10	-F	3	C		.50				DE	4
409 KHAR	07	0930E	0950D		S04	W49	.766	13263	3.7	20D	-F		V	0934			1.20		D	7
410 KHAR	07	0932E	0948D		N13	W56	.824	13262	3.2	16D	-F		V	0935			1.20		D	7
411 KHAR	07	0945E	1105D		N05	E64	.896	13280	12.2	80D	1N		P	0950	1.40	3.20	1.50		T	5
416 HTPR	08	0759	0802	0800	N08	E50	.762	13280	12.1	3	-F		C	0800	.21	.30			D	4
417 ABST	08	0816E	0833D	0831	S22	E08	.491	13278	8.9	17D	-F		P	0831	.79	.90			D	4
418 ATHN	08	0901	0958	0903	N06	E51	.774	13280	12.2	57	-N	4	C		.33				DE	4
421 HUAN	08	1246E	1251		N05	E15	.259	13279	9.7	5D	-F	1	P	1247	.25	.27			D	3
422 ATHN	08	1310	1323	1313	N12	E32	.531	13280	10.9	13	-N	1		1313	.68	.70				4
424 ATHN	08	1349	1401	1355	N07	E50	.762	13280	12.3	12	-F	3	C		.33				F	4

Hα SOLAR FLARES
Unconfirmed
OCTOBER 1974

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
430 HJAN	08	1908	1912	1909	N09	E46	.715	13280	12.2	4	-F	1	C	1909	.30	.34			4
434 VORO	08	2309	2319		N05	E09	.157	13279	9.6	10	-B		C	2310	.72	.70		64	EJ 4
438 PALE	09	0114	0127	0118	N05	E41	.654	13280	12.1	13	-F	3	C		.27				DE 4
439 PALE	09	0118	0143	0121	S18	W04	.416	13278	8.8	25	-F	3	C		.63				DE 4
443 PALE	09	0351E	0401D	0352U	S18	W06	.423	13278	8.7	10D	-F	1	V		.52				3
446 MANI	09	0426E	0431D	0426U	N05	E38	.613	13280	12.0	5D	-F	2		0426	.41	.52			F 3
448 MANI	09	0505	0520D	0508	S20	W02	.444	13278	9.1	15D	-N	2		0508	.41	.46			4
449 MANI	09	0510	0520D	0512	N04	E04	.080	13279	9.5	10D	-F	2		0512	.31	.31			4
451 ABST	09	0632	0642D	0633	S20	W09	.465	13278	8.6	10D	-F		P	0639	.96	1.10			EJ 3
GRP51452	09	0705	0745	0727	N07	E40	.639	13280	12.3	40	-F				.61				2 2 2 7
ABST	09	0655E	0742	0731	N06	E39	.626	13280	12.2	47D	-F		P	0731	1.05	1.20			DJK
ATHN	09	0714	0747	0722	N07	E40	.639	13280	12.3	33	-N	3	C		.17				F
453 ARCE	09	0807E	0807D		S18	W09	.436	13278	8.7		-N		P	0807	1.12	1.20			H 7
456 MCMA	09	1205E	1212D		S19	W11	.462	13278	8.7	7D	-N		P	1209	.83	.90			E 5
457 HJAN	09	1220E	1231		S19	W11	.462	13278	8.7	11D	-F	1	P	1221	.40	.46			5
461 HJAN	09	1505E	1520		S19	W11	.462	13278	8.8	15D	-F	1	P	1506	.30	.35			6
462 HTPR	09	1515	1530	1516	N06	E32	.527	13280	12.0	15	-F		C	1517	.10	.10			6
463 MCMA	09	1619E	1621D		S19	W13	.475	13278	8.7	2D	-N		P	1621	.41	.50			E 4
466 BOUL	09	1716	1729	1717	N10	E24	.407	13280	11.5	13	-F		C	1717	.21	.23			4
478 HTPR	10	0752	0809	0754	N04	W10	.177	13279	9.6	17	-F		C	0754	.21	.20			E 5
484 ATHN	10	1100	1110	1103	N07	E25	.420	13280	12.3	10	-F	1		1103	.17	.16			5
486 ATHN	10	1152	1157	1153	N05	W09	.157	13279	9.8	5	-F	1		1153	.68	.83			4
488 HJAN	10	1236	1301	1250U	S19	W25	.577	13278	8.6	25	-F	1	C	1250	.30	.38			7
489 HONT	10	1333	1341	1339	N07	E21	.356	13280	12.1	8	-F		C	1339	.20				5
492 BOUL	10	1432	1445	1438	N11	E22	.379	13280	12.3	13	-F		C	1438	.11	.12			4
493 BOUL	10	1449	1501	1456	N04	W16	.277	13279	9.4	12	-F		C	1452	.54	.67			4
512 VORO	11	0054	0110	0058	N12	E25	.428	13280	12.9	16	-B		C	0058	.81	.90		69	EHJL 4
515 VORO	11	0134	0152	0138	N12	E02	.107	13280	11.2	18	-B		C	0138	.81	.80		67	EJL 4
516 TEHR	11	0325E	0333	0326U	S20	W42	.753	13278	8.0	8D	-F	3	V		.31				5
529 ATHN	11	1137	1145D	1141	N12	W03	.114	13280	11.3	8D	-F	2	C		.33				DE 5
530 ATHN	11	1139	1145D	1142	N10	E08	.153	13280	12.1	6D	-F	2	C		.17				DE 5
549 MANI	12	0300	0308D	0302	N09	E02	.061	13280	12.3	8D	-N	2		0302	.52	.52			F 5
551 PALE	12	0337E	0357D	0337U	N12	E02	.108	13280	12.3	20D	1N	1	C		3.07				DE 4
552 MANI	12	0350	0353	0351	S19	W48	.804	13278	8.6	9	-N	2		0351	.31	.43			3
558 ATHN	12	0617	0625	0621	N12	W14	.259	13280	11.2	9	-F	2	C		.50				DE 4
GRP51560	12	0745	0830	0755	N11	W14	.253	13280	11.3	45	-F				.96				2 2 2 7
ATHN	12	0745	0830D	0754	N11	W13	.238	13280	11.3	45D	-F	2	C		.99				DE
MANI	12	0755E	0758D	0755U	N11	W15	.269	13280	11.2	3D	-N	1		0755	.93	.96			
563 TEHR	12	0843	0852	0848	N11	W15	.269	13280	11.2	9	-F	4	C		.25				4
581 ABST	13	0720	0754D	0722	N15	W20	.368	13280	11.8	34D	-F		P	0722	.87	1.00			DJ 5
GRP51582	13	0813	0819	0814	N05	W14	.241	13280	12.3	6	-F				.44				2 2 2 7
ATHN	13	0811	0815	0812	N04	W13	.227	13280	12.4	4	-F	1		0812	.17	.16			
ABST	13	0814	0822	0815	N06	W15	.257	13280	12.2	8	-F		C	0815	.70	.70			DJ

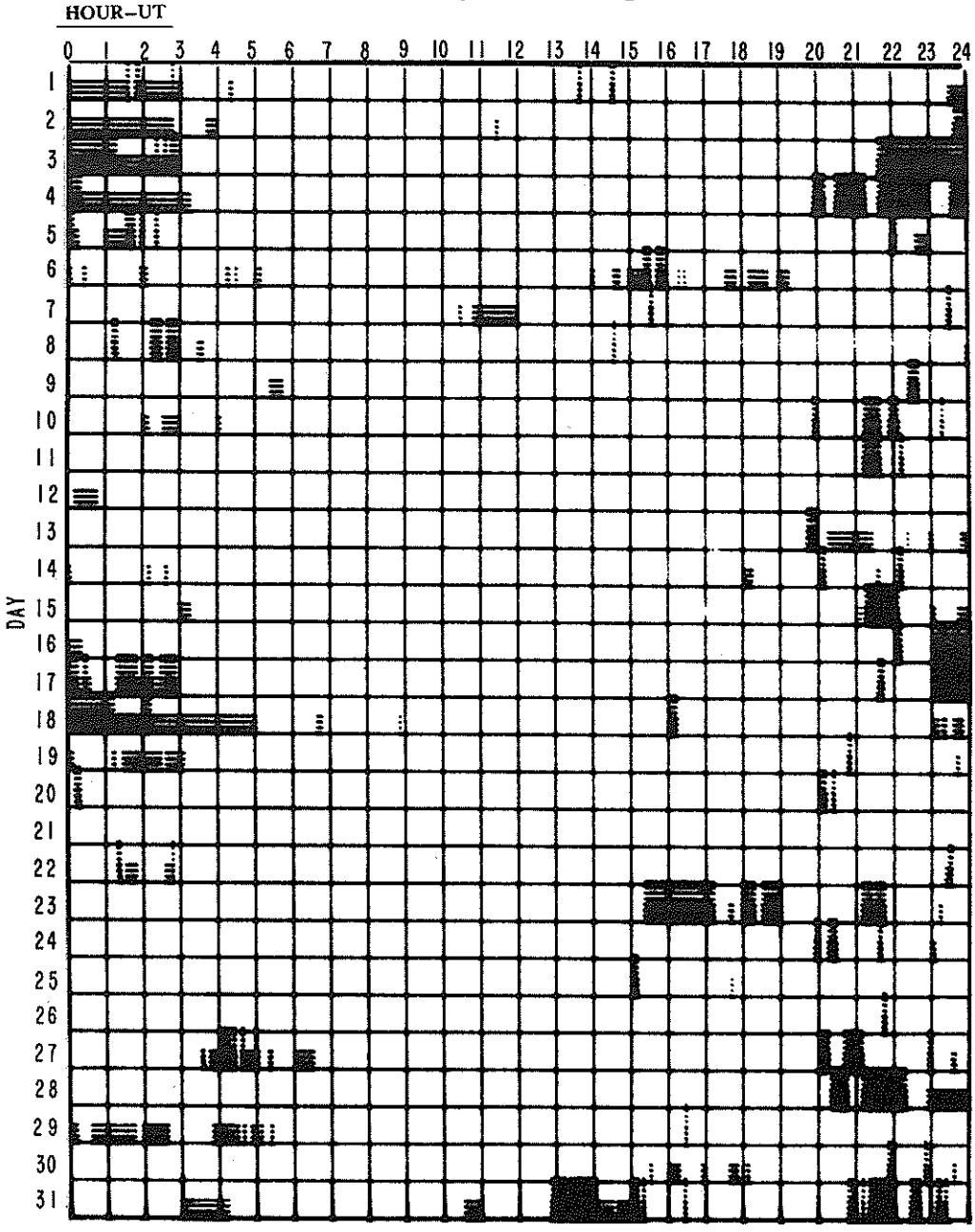
Hα SOLAR FLARES
Unconfirmed
OCTOBER 1974

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE OCT	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY					TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
585 HUAN	13	1407	1425		S17	W69	.951	13278	8.4	19	-F	1	C						6
596 RAMY	14	1421E	1448D	1428U	N07	W49	.751	13280	10.9	27D	-F	3	C		.37				4
597 HTPR	14	1431	1457	1437	N05	W34	.557	13280	12.1	26	-N		C	1437	.10	.10			D 5
600 MANI	15	0054E	0107	0054U	N09	W54	.805	13280	11.0	13D	-F	1		0054	.41	.67			3
603 HTPR	15	0814	0850	0816	N05	W48	.741	13280	11.7	36	-F		C	0816	.72	1.00			5
604 TEHR	15	0929	0942	0931	N10	W47	.728	13280	11.9	13	-N	4	V		.41				F 4
SRPS1505	15	1112	1129	1112	N10	W53	.794	13280	11.5	17	-N				.17				2 1 1 6
TEHR	15	1112E	1129	1112U	N10	W53	.794	13280	11.5	17D	-N	4	V		.17				DE
KHAR	15	1128E	1148D		N12	W58	.844	13280	11.1	20D	-F		V	1140			1.20		D
609 RAMY	15	1402	1421	1414U	N04	W75	.965	13279	10.0	19	-F	4	C		.50				DE 4
610 PALE	15	1723	1730	1726	N09	W52	.784	13280	11.8	7	-F	2	C		.36				DE 6
618 VORO	16	0114	0119	0115	N08	W69	.930	13280	10.9	5	1B		C	0115	.81	2.40		90	DJ 3
619 PALE	16	0121E	0136D	0122U	N14	W62	.879	13280	11.4	15D	-N	2	C		1.03				DE 4
619 PALE	16	0133E	0135D	0135U	N12	W54	.805	13280	12.0	3D	*-F	2	C		.31				DE 5
621 PALE	16	0256E	0302D	0257U	N10	W59	.853	13280	11.7	6D	-F	2	C		.26				DE 4
622 ABST	16	0608	0618D	0614	N12	W58	.844	13280	11.9	10D	-F		P	0614	1.05	2.00			FJK 3
623 ABST	16	0642	0654D	0650	N11	W57	.834	13280	12.0	12D	-F		P	0650	.96	1.90			DJ 4
625 ABST	16	0803	0808	0804	N10	W72	.947	13280	10.9	5	1F		C	0804	.79				DJ 5
628 MCMA	16	1457	1510	1501	S09	E03	.261	13286	16.8	13	-F		C	1501	.26	.30			OH 6
636 TEHR	17	0720	0733	0726	N12	W79	.976	13280	11.4	13	-F	4	C		.37				DE 5
637 ABST	17	0748	0751	0749	N10	W69	.927	13280	12.1	3	-F		C	0749	.79				DJ 8
640 MONT	17	1231	1239	1232	N15	W69	.924	13280	12.3	8	-F		C	1232	.20				4
641 TEHR	17	1257	1309	1301U	N08	W71	.940	13280	12.2	12	-N	3	C		.31				DE 4
642 MONT	17	1401	1416	1407	N12	W87	.997	13280	11.1	15	-F		C	1407	.20				7
643 BOUL	17	1435	1454	1437	N15	W68	.918	13280	12.5	19	-F		C	1437	.21	.54			8
645 MCMA	17	1822	1835		N10	W88	.998	13280	11.2	13	-F		P	1823					4
652 ATHN	18	0825E	0843	0830	N10	W90	1.000	13280	11.6	18D	-N	3	V						DE 4
653 MONT	18	1115	1132	1118	N06	W87	.998	13280	11.9	17	-N		C	1118	1.10				4
655 HTPR	18	1341	1355	1346	N17	W90	1.000	13280	11.8	14	-F		C	1346	.41				A 9
658 BOUL	18	1826	1835	1829	N08	W90	1.000	13280	12.0	10	-N		C	1829	.21	.87			5
659 HTPR	20	1317	1335	1318	N07	W58	.845	13292	16.2	18	-F		C	1318	.21	.40			D 7
661 RAMY	21	1439	1530	1517U	N04	W65	.905	13292	16.7	51	-F	4	C		.28				DE H 5
662 HTPR	22	1349	1407	1350	S10	W60	.880	13302	18.1	18	-F		C	1350	.10	.10			6
668 PALE	24	0129	0142	0135	S09	W83	.994	13302	17.8	13	-N	2	C		.27				5
669 KODA	24	0256	0320	0313	S08	W84	.996	13302	17.8	24	-N		V	0256			1.96		D 6
674 HTPR	29	0844	0847	0845	S08	E26	.483	13310	31.3	3	-F		C	0845	.21	.20			D 5
676 ATHN	29	1422	1425	1423	N02	E42	.669	13315	1.7	3	-F	3	V		.17				DE 3
679 HUAN	31	1608E	1639		N12	E90	1.000	13324	7.4	31D	-N	1	P	1608	.20				C 2

INTERVALS OF NO FLARE PATROL OBSERVATION

FOR PRECEDING SOLAR FLARE TABLE

OCTOBER 1974



Observatories included in total patrol:

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

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

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
1	3750	TYKW	20	0140	0235	160	4.0	2.0		
	2000	TYKW	20	0140	0240	160	4.0	2.0		
	9400	TYKW	5	0455	0510	45	4.0	2.0		
	3750	TYKW	5	0455	0520	45	1.0	0.5U		
	100	GORK	44	0455 E		355		5.0		
	245	SGMR	44	1044 E	2114.2	697 D	78,8			
	100	GORK	44	1050 E		133 D		40.0		
	260	ONDR	44	1110	1500.5	240	35.0			
	2000	TYKW	5	0510	0520	30	1.0	0.5U		
	100	GORK	6	0629.6	0631.2	3.5	60.0D			
	100	HIRA	45	0629	0630.8	3.5	85.0	40.0		
	260	ONDR	44	0640	0952	270	65.0			
	221	ABST	44	0700	1011.8	240	12.0			
	6100	KISV	20	0748	0815.5	60	3.0			
	29	UPIC	45	0901.5	0902.5	3.5				
	536	ONDR	45	1114	1114	4	45.0			
	18	MCMA	42	1141	1205	40			1	
	2800	OTTA	20	1255	1302	20	1.8	0.9		
	237	TRST	42	1255.8	1259.7	4.3	57.0			
	228	HARS	45	1259	1259.5	1	45.0	10.0		
	2800	OTTA	20	1705	1750	90	1.8	0.9		
	410	SGMR	6	1743.9	1744	.2	7.8	3.1		
	245	SGMR	6	1743.8	1744	2	145.8	29.2		
	18	MCMA	41	1901	1904	3			1	
	2800	OTTA	20	1920		100	1.4	0.8		
	200	HIRA	45	2252	2252.5	2.5	40.0	10.0		
	200	HIRA	45	2340	2340.8	1	140.0	30.0		
	100	HIRA	45	2340	2341	2	90.0	30.0		
2	100	GORK	44	0500 E		91		5.0		
	100	GORK	6	0628.6	0629.8	1.8	90.0D			
	260	ONDR	44	0640	1503.5	507	50.0			
	245	SGMR	44	1045 E	2145.4	694 D	150.0			
	410	SGMR	43	2026.3	2052	112.7D	12.7			
	207	VORO	44	2200	0011	240		20.0		
	18	MCMA	6	1751	1752	2			1	
	18	MCMA	41	1759	1802	8			1	
	410	SGMR	6	2006.7	2020.5	15.3	244.0	44.8		
	245	SGMR	6	2009	2019.1	14.1	46.0	9.2		
	2800	OTTA	20	2015	2020	25	1.2	0.6		
	1415	SGMR	2	2017	2019.7	5.5	3.9	2.3		
	18	BOUL	6	2018	2021	4			1	
	606	SGMR	4	2019.7	2020.3	1.8	12.4	7.4		
	18	MCMA	6	2019	2021	3			2	
	100	HIRA	45	2145.2	2145.3	1	650.0	100.0		
3	260	ONDR	41	0708	0728.5	93	15.0			
	3100	CRIM	3	1002	1006	15	3.0	1.0		
	930	BORD	5	1117	1117.3	1	11.0	2.0		
	18	MCMA	41	1715	1719	5			1	
	2800	OTTA	240	2000	2100	60	2.6	0.9		
	960	PENN	24	2021	2200		2.4			
	2700	PENN	24	2033.1	2146		3.4			
	10700	PENN	24	2045	2146.8		8.5			
	2800	OTTA	24P	2100		180 D	2.6			
	1415	SGMR	22	2100	2148.9	78 D	59.2	17.8		
	2800	OTTA	21	2105	2145	100	1.8	1.0		
	960	PENN	45	2109			110.0D			
	410	SGMR	6	2110.6	2149.3	67.4D	118.1	35.4		
	245	SGMR	6	2110.6	2147.1	67.4D	136.5	41.0		
	606	SGMR	47	2114.8	2147.9	63.2D	1370.0	548.0		
	500	HIRA	45	2115	2149	43	400.0	45.0		
	1420	BOUL	45	2124	2148.5	41.5	18.0	3.0		
	2800	OTTA	1	2135	2139	7	1.6	0.8		
	2695	BOUL	45	2137.5	2140.5	4	3.0	1.0		
	2000	TYKW	45	2137 E	2148 U	35 D	20.0U	5.0U		
	1000	TYKW	45	2137 E	2146.7U	35 D	100.0U	15.0U		
	2695	PENT	1	2146	2147	3	4.0	1.8		ARO PF=1.3
	2695	BOUL	45	2146.5	2147	2.5	5.0	2.0		
	207	VORO	44	2200	0116	240		13.0		
4	260	ONDR	44	0640	1102	512	180.0			
	221	ABST	44	0700	0916	240	9.0			
	410	SGMR	44	1047 E	1507.2	689 D	10.2			
	245	SGMR	44	1047 E	1131.6	689 D	6.8			
	207	VORO	44	2200	0120	240		19.0		
	3100	CRIM	20	0748	0833	147	4.0	1.0		
	188	KIEV	43	0805		330 D	113.0	29.0		
	536	ONDR	45	0825.5	0917.5	94.5	40.0			
	234	POTS	41	0856.1	0856.2	5.9	175.0	1.0E		
	29	UPIC	5	0901.5	0902	.5				
	221	ABST		0914.8	0916	3.8	39.0	13.0		
	221	ABST		0923.8	0924	1.5	33.0	11.0		
	221	ABST		0955	0956.2	1.8	48.0	15.0		
	221	ABST		1013.8	1014.2	1.2	27.0	8.0		
	221	ABST		1029.8	1030.2	1	35.0	11.0		
	234	POTS	41	1107.1	1113	8.3	450.0	1.0		
	1470	BERL	4	1116.6	1117	1	6.7	2.6		
	9500	BERL	20	1130	1200	80	6.6			
	3000	BERL	20	1130	1214	85	1.9			

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	1470	BERL	20	1130	1136.4	35	1.3			
	234	POTS	45	1134.7	1134.8	.5	550.0	50.0		
	8800	ATHN	20	1144.3	1150.7	11.9	8.1	4.9		
	1415	ATHN	20	1146.8	1151	11	4.9	2.9		
	2695	ATHN	20	1147.7	1151.9	11	4.7	2.8		
	3000	BERL	1	1307.5	1308.2	2	6.0	2.3		
	1470	BERL	20	1314	1317.5	11	1.7			
	3000	BERL	2	1316.5	1318	2	3,3			
	9500	BERL	20	1319	1325	26	6.6			
	8800	SGMR	4	1324.3	1326.8	5.7	22.9	6.7		
	3000	BERL	2	1327	1327.3	2	1,9			
	3000	BERL	1	1335.5	1336.2	2	5.6	2.3		
	2800	OTTA	240	1335	1420	45	3.0	1.5		
	113	POTS	45	1413.2	1413.3	.3	200.0	50.0		
	2800	OTTA	24P	1420		540 D	3.0			
	1470	BERL	2	1426.8	1427.4	1.7	5.2	1.9		
	2800	OTTA	1	1427	1428	2	2.2	1.0		
	2800	OTTA	20	1430	1505	100	1.8	1.0		
	2800	OTTA	21	1620	1755	150	2.4	1.2		
	2800	OTTA	1	1724	1726	5	1.2	0.6		
	2800	OTTA	20	1905	2120	170	3.6	1.8		
5	100	GORK	44	0448 E		432 D		50.0		
	200	GORK	44	0500		420		5.0		
	260	ONDR	44	0630	0836	502	45.0			
	221	ABST	44	0700	1037.5	240	6.0			
	188	KIEV	44	0810		390 D	151.0	33.0		
	245	SGMR	44	1049 E	1432.4	685 D	100,1			
	3100	CRIM	24	0556	0629		7.0			
	3100	CRIM	1	0738	0740	5	3.0	1.0		
	1470	BERL	2	0738.5	0741	4	3.3	1.0		
	29	UPIC	45	0738.5	0741	3.5				
	9500	BERL	1	0739	0741	3	2,7			
	113	POTS	40	0739.6	0739.7	1.2	280.0	7.0		
	3000	BERL	1	0740	0741	2.5	1.3			
	221	ABST		0810	0811	1.5	20.0	6.0		
	221	ABST		0821.5	0822	1.5	25.0	8.0		
	221	ABST		0837.2	0838	1.5	32.0	10.0		
	3100	CRIM	20	0949	0953	78	4.0	1.0		
	221	ABST	6	1037.2	1037.5	.5	47.0			
	1470	BERL	2	1235.2	1235.5	1.8	5.0	1.7		
	510	POTS	45	1235.5	1235.7	3	70.0	7.0		
	2800	OTTA	240	1415	1440	25	4.8	2.4		
	2800	OTTA	24P	1440		560 D	4.8			
	2800	OTTA	40	1442	1452	48	2.9			
	930	BORD	45	1508	1509.2	2	11.0	2.0		
	2800	OTTA	1	1551	1553	3	1.4	0.7		
	1415	SGMR	22	1613.3	1632.2	42.7	22.6	13.5		
	2700	PENN	45	1615	1631.8	34	59.6	20.2		
	4995	BOUL	45	1617	1631.5	36.5	50.0	13.0		
	10700	PENN	20	1618.2	1631.8	40.6	16.0	5.9		
	4995	SGMR	22	1618.6	1631.5	33.4	47.1	28.3		
	2800	OTTA	4	1618	1632	32	63.0	24.0		
	2695	SGMR	22	1618	1631.8	38.6	58.8	35.3		
	1420	BOUL	45	1618	1631.5	28	16.0	6.0		
	960	PENN	20	1618.2	1628.1	32.2	9.2	3.9		
	8800	SGMR	22	1619	1631.2	34.5	26.0	15.6		
	7000	SAOP	21	1619.5		32.5	51.9			
	2695	BOUL	3	1619	1633.5	40	40.0	10.0		
	606	SGMR	22	1619	1632	29.5	3.7	2.2		
	15400	SGMR	22	1622	1631.7	20.9	9.7	5.8		
	18	MCMA	41	1622	1627	11			1	
	7000	SAOP	3	1626.8		3.2	17.2	8.5		
	7000	SAOP	3	1630		4.6	27.5	13.7		
	8800	PALE	22	1639.3	1641.3					
	1415	PALE	22	1639.3	1645.5					
	2800	OTTA	29	1650	1650	140	2.8	2.5		
	18	MCMA	6	1709	1710	3			1	
	2800	OTTA	20	1920	1950	50	1.8	0.9		
6	2000	TYKW	45	0053	0053.5	1.5	19.0	6.0		
	9400	TYKW	45	0110	0127.1	40	18.0	11.0		
	3750	TYKW	45	0110	0127.1	30	55.0	12.0		
	2000	TYKW	45	0110	0127.2	30	16.0	3.0		
	4995	MANI	4	0112.2	0127.3	27.3	69.0	12.9		
	2695	MANI	4	0112.1	0127.3	14.8	28.2	9.4		
	8800	MANI	4	0114.5	0121.5U	21.5U	35.2U	8.8U		RFI
	8800	PALE	22	0114.4	0127	18.8	12.0	7.5		
	1415	PALE	22	0122.9	0127.1	12.5	4.8	2.9		
	2930	VORO	4	0124	0126	5	45.0			
	1415	MANI	1	0126	0127.3	3.5	1.4	.5		
	3750	TYKW	29	0140		140	11.0	5.0		
	2000	TYKW	29	0140		140	3.0	1.5		
	9400	TYKW	29	0150		130	11.0	5.0		
	9400	TYKW	45	0220	0234.1	80	11.0	4.0		
	3750	TYKW	45	0220	0234.1	80	19.0	5.0		
	8800	MANI	22	0226	0234.2	20.6	18.5	9.3		
	4995	MANI	22	0226	0234.2	22.2	26.6	8.3		
	8800	PALE	22	0230.3	0234	39.2	15.0	8.7		
	2695	MANI	2	0230	0233.1	8.6	7.4	1.9		

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6	2000	TYKW	5	0230	0234	70	3.0	1.0		
	200	GORK	6	0508.4	0508.6	.6				
	100	GORK	6	0508.4	0508.7	1	60.0D			
	3100	CRIM	20	0540	0602	75	4.0	1.0		
	6100	KISV	1	0600	0602	4	3.0			
	6100	KISV	41	0640.3	0640.8	8	4.0			
	260	ONDR	44	0654	1002	490	45.0			
	100	GORK	44	0954		126		5.0		
	6100	KISV	1	0748.8	0749.6	6	5.0			
	200	GORK		0749.4	0752.2					
	100	GORK	41	0749.4	0749.5	4.3	50.0			
	100	GORK		0749.4	0751		50.0			
	100	GORK		0749.4	0752.6		50.0			
	200	GORK	41	0750	0751	3.2				
	6100	KISV	1	0811	0811.6	2	4.0			
	536	ONDR	45	0942	0946	23	40.0			
	6100	KISV	4	0948.5	0950	10	10.0			
	3100	CRIM	24	1007	1121		6.0			
	1470	BERL	4	1223.5	1224.5	2	6.5	2.4		
	245	SGMR	6	1223.1	1224.4	6.7	23.9	7.0		
	188	KIEV	6	1223.5	1226.7	4.2	97.0			
	1415	SGMR	2	1224.6	1224.7	1.3	8.3	1.7		
	606	SGMR	1	1224.5	1225.2	2.7	6.1	1.2		
	113	POTS	45	1224.2	1224.9	2.5	200.0	15.0		
	29	UPIC	45	1226	1227	2				
	7000	SAOP	1	1616.3		.7	8.6	4.0		
	7000	SAOP	20	1700		5	13.4			
	18	MCMA	6	1716	1719	4			2	
	10700	PENN	1	1825.8	1826	1.5	8.1	1.4		
	2800	OTTA	21	1920	2128	160 D	12.2			
	18	MCMA	6	2009	2011	2			2	
	2700	PENN	24	2022.4	2141.5		4.9			
	10700	PENN	24	2040.2	2141.5		12.3			
	2800	OTTA	1	2123.5	2124.2	.2	6.0	3.0		
	2700	PENN	45	2123	2134.6	18.5	22.5	5.8		
	1420	BOUL	8	2123.5	2124	1	5.0	2.0		
	8800	PALE	21	2124.1	2126.8	41.5	11.0	6.9		
	2695	BOUL	45	2124.5	2128.5	6	6.0	2.0		
	1415	SGMR	22	2124	2124.5	14	5.3	1.6		
	1415	PALE	20	2124	2124.3	14.3	4.3	2.6		
	10700	PENN	3	2126	2134.6	15.5	16.7	1.8		
	606	SGMR	20	2127.9	2128.5	10.1	2.1	.6		
	4995	BOUL	8	2132	2134	3.5	33.0	9.0		
	8800	PALE	4	2133.6	2134.3	2.5	17.0	5.0		
	2800	OTTA	4	2133	2134.5	3	27.8	13.6		
	2695	BOUL	8	2133.5	2135	6	19.0	7.0		
	2800	OTTA	29	2136	2136	4	3.4	1.7		
	3750	TYKW	5	2215	2218.3	7	5.0	2.0		
	2695	BOUL	3	2217.5	2219	3	4.0	1.0		
	207	VORO	42	2227	2243	18	23.0			
	3750	TYKW	5	2229	2232	6	3.0	1.0		
	2695	BOUL	3	2229.5	2233	5	3.0	1.0		
	3750	TYKW	5	2239	2241	5	2.0	1.0		
7	4995	MANI	3	0028.7	0030.2	12.4	35.2	8.6		
	9400	TYKW	5	0029.5	0030	1.5	4.0	1.0		
	3750	TYKW	5	0029	0030	2	15.0	5.0		
	3750	TYKW	29	0031		30	3.0	2.0		
	3750	TYKW	20	0210	0315	120	4.0	2.0		
	2000	TYKW	20	0210	0310	110	3.0	1.0		
	9400	TYKW	20	0300	0325	60	5.0	2.0		
	3750	TYKW	5	0427	0428.3	10	3.0	1.0		
	100	GORK	44	0500 E		480 D		5.0		
	260	ONDR	41	0700	1458.5	480	30.0			
	3750	TYKW	45	0509	0530	40	6.0	2.0		
	2000	TYKW	45	0515	0529	60	4.0	1.0		
	9400	TYKW	5	0520	0540	50	2.0	1.0		
	3100	CRIM	20	0525	0529	17	7.0	2.0		
	3750	TYKW	5	0549	0550.2	4	3.0	1.0		
	6100	KISV	1	0654	0655	5	4.0			
	3100	CRIM	3	0727	0730	9	4.0	1.0		
	3000	BERL	1	0727	0729.8	4.5	3.2	0.9		
	6100	KISV	1	0728	0729.7	4	4.0			
	9500	BERL	20	0730	0801	65	5.1			
	930	BORD	45	0811	0811.3	1	10.0	2.0		
	550	KIEV	41	0812.9	0813.5	3.7	51.0			
	3000	BERL	20	0835	0847.5	44	3.2			
	930	BORD	5	0835	0835	1	48.0	1.0		
	9500	BERL	20	0840	0913	60	5.1			
	6100	KISV	20	0845	0852.5	16	10.0			
	3100	CRIM	46	0847	0849	14	4.0	1.0		
	3100	CRIM	1	0907	0909	5	3.0	1.0		
	200	GORK	6	0937.7	0938.2	1				
	1470	BERL	4	0951.5	0952.2	1.7	9.5	3.3		
	510	POTS	45	0951.5	0952.5	1.2	70.0	5.0		
	1470	BERL	4	1002.5	1003	1	13.0	4.2		
	510	POTS	45	1002.5	1002.7	1	70.0	15.0		
	200	GORK	41	1040.2	1040.4	.6	70.0			
	200	GORK		1040.2	1040.7		15.0			
	550	KIEV	41	1054.4	1054.6	13.7	40.0			

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	9500	BERL	20	1125	1241.5	187	6.4			
	1470	BERL	20	1125	1238.2	165	4.2			
	3000	BERL	20	1135	1230.2	160	9.3			
	2800	OTTA	23	1215	1235	85	5.0	2.6		
	2800	OTTA	2	1223	1230	9	4.2	2.1		
	550	KIEV	41	1350	1354	4.5	39.0			
	2800	OTTA	20	1435	1625	170	3.2	1.6		
	18	MCMA	6	1520	1521	2			1	
	8800	SGMR	4	1534.9	1536.5	5.9	61.0	18.3		
	9240	ARCE	21	1535.7	1550	22.5				
	15400	SGMR	4	1536.4	1536.7	1.9	29.8	8.9		
	10700	PENN	3	1536.4	1536.8	5.9	56.4	4.2		
	9240	ARCE	3	1536.5	1536.8	2				
	7000	SAOP	8	1536.1	1536.4	.5	60.0			
	7000	SAOP	29	1536.6		1				
	4995	BOUL	8	1536	1536.5	2	16.0	5.0		
	4995	SGMR	3	1536.3	1536.8	10.5	16.0	4.8		
	2695	SGMR	2	1536.3	1536.8	1.7	2.0	.6		
	245	SGMR	43	1604	1939	366.8D	67.2			
	207	VORO	44	2200	2227	208		20.0		
	2800	OTTA	24O	1755	2020	145	5.0	2.8		
	4995	SGMR	20	1831.3	1832	21.3	4.3	1.7		
	2695	SGMR	20	1831.2	1831.9	22.2	1.6	.6		
	2800	OTTA	24P	2020		220 D	5.0			
	2695	PENT	20	2205	2245	85	1.8	1.0		
	3750	TYKW	45	2242	2243.3	4	4.0	2.0		
8	200	GORK	44	0458 E		389		5.0		
	100	GORK	44	0500 E		480 D		10.0		
	260	ONDR	41	0657	1017.5	493	30.0			
	3100	CRIM	24	0551	0700		6.0	2.0		
	6100	KISV	1	0606.3	0607.5	2	2.0			
	9400	TYKW	45	0620	0634.5	20	5.0	2.0		
	6100	KISV	3	0620.5	0624	12	12.0			
	3750	TYKW	5	0620	0624	20	6.0	2.0		
	3750	TYKW	5	0634	0634.5	1	3.0	1.0		
	2000	TYKW	5	0634	0634.6	1.5	3.0	1.0		
	1000	TYKW	5	0634.5	0634.7	.5	1.0	0.3U		
	6100	KISV	1	0714	0714.3	1	2.0			
	6100	KISV	1	0716	0717	7	4.0			
	29	UPIC	45	0734	0736	3				
	6100	KISV	1	0841.3	0842	3	2.0			
	6100	KISV	1	0949.5	0950.8	4	3.0			
	6100	KISV	3	1023	1028	22	12.0			
	9500	BERL	1	1027	1027.8	3.5	9.2			
	3000	BERL	22	1108	1138	162	8.6			
	3100	CRIM	24	1111	1116	106	9.0	3.0		
	9500	BERL	21	1114.5	1155	178	5.4			
	6100	KISV	46	1114	1118	10	27.0			
	1470	BERL	22	1115	1137.5	165	5.7			
	9500	BERL	3	1116	1117.8	3.5	16.0			
	9500	BERL	3	1129	1130	7	13.0			
	2800	OTTA	27A	1255		175	2.0	1.8		
	2800	OTTA	24	1255	1320	25	2.0	1.0		
	8800	SGMR	3	1310.9	1311.9	7.3	23.2	7.0		
	8800	ATHN	3	1310.8	1311.7	1.9	20.8	6.2		
	7000	SAOP	3	1310.9		3.1	22.2	11.1		
	4995	SGMR	1	1310.6	1311.9	7.7	2.8	.8		
	2800	OTTA	20	1310	1315	10	1.4	0.7		
	9500	BERL	3	1311	1311.8	2	19.0			
	2800	OTTA	24P	1320		140	2.0			
	930	BORD	45	1342	1342.7	1	145.0	2.0		
	7000	SAOP	20	1348.6		4.9	15.5			
	9500	BERL	3	1404.5	1404.7	.8	11.0			
	8800	SGMR	3	1404.5	1404.7	1.3	14.0	4.2		
	7000	SAOP	1	1404.2	1404.9	1.1	15.2	7.5		
	4995	SGMR	1	1404.3	1404.8	2.3	9.6	2.9		
	3000	BERL	21	1415	1458.5	50 D	14.0			
	2700	PENN	20	1419.1	1458.2	71.1	17.0	5.2		
	2800	OTTA	20	1420	1458	75	15.8	4.0		
	4995	SGMR	2	1428.5	1431.1	3.3	7.2	2.2		
	15400	SGMR	4	1430.3	1431.1	1.2	19.0	5.7		
	8800	SGMR	4	1430.8	1431.1	.8	14.0	4.2		
	2695	SGMR	2	1430.5	1431.1	1.3	5.4	1.6		
	1415	SGMR	2	1430.8	1431.1	.5	3.1	.9		
	606	SGMR	2	1430.8	1431.1	.7	3.1	.9		
	9500	BERL	4	1447	1449.4	18	35.0	13.0		
	8800	ATHN	3	1447.7	1449.7	4.7	36.8	11.0		
	15400	SGMR	4	1448.3	1449.3	11.8	58.5	17.6		
	8800	SGMR	4	1448	1449.5	12	39.4	11.8		
	7000	SAOP	3	1449.2		4.4	24.9	12.6		
	4995	SGMR	20	1449.2	1450.1	36.1	4.8	1.4		
	2695	ATHN	20	1449.6	1458.2	14.2	20.3	12.2		
	2695	SGMR	20	1450.5	1458	32.9	11.3	3.4		
	2695	BOUL	45	1450	1459	29	13.0	4.0		
	7000	SAOP	29	1453.6		5.7				
	18	MCMA	6	1508	1509	3			1	
	2800	OTTA	26	1540	1550	10	-2.0	-1.0		
	18	MCMA	42	1552	1635	51			1	
	1420	BOUL	8	1629.5	1629.5	2.5	7.0	2.0		

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8	2800	OTTA	27A	1705		65	1.6	1.4		
	2800	OTTA	24	1705	1713	8	1.6	0.8		
	18	MCMA	42	1707	1709	16			1	
	2800	OTTA	24P	1713		52	1.6			
	2700	PENN	20	1716.1	1744.4	48.3	28.3	3.7		
	4995	BOUL	8	1740	1743	15.5	59.0	21.0		
	4995	SGMR	4	1740	1743.3	5.5	75.9	22.8		
	7000	SAOP	4	1741.6	1743.9	5.5	115.2	41.7		
	2695	SGMR	4	1741.8	1743.4	3.7	23.2	7.0		
	15400	SGMR	3	1742.4	1743.6	2.9	27.3	8.2		
	10700	PENN	45	1742	1743.8	3.2	57.7	29.2		
	8800	SGMR	4	1742.2	1743.8	3.3	88.4	26.5		
	8800	PALE	4	1742.3	1743.8	12.2	82.0	24.0		
	2800	OTTA	3	1742	1743.3	3	23.0	11.5		
	2695	BOUL	8	1742	1744	18.5	32.0	8.0		
	10700	PENN	29	1745.2	1745.2	13.9	8.2	4.1		
	8800	SGMR	29	1745.5	1745.5	12.2	7.8	3.1		
	4995	SGMR	29	1745.5	1745.5	17.1	13.9	5.6		
	2800	OTTA	29	1745	1745	15	5.8	2.7		
	2695	SGMR	29	1745.5	1745.5	21.2	5.7	2.3		
	7000	SAOP	29	1747.1		9.9				
	2800	OTTA	26	1805	1810	5	-1.6	-0.5		
	2800	OTTA	21	1815	1840	155	2.2	1.3		
	4995	SGMR	1	1854.9	1855.3	1.5	8.2	2.5		
	2700	PENN	1	1854.5	1855.5	4	3.7	1.0		
	2695	SGMR	1	1854.4	1855.8	3.9	3.5	1.1		
	2800	OTTA	1	1855	1855.2	1	3.2	1.6		
	2695	BOUL	3	1855.5	1856	2	4.0	1.0		
	10700	PENN	45	1916.9	1918.6	8.4	55.7	7.6		
	15400	SGMR	4	1917.8	1918.5	2.8	48.3	14.5		
	8800	SGMR	4	1917.6	1918.6	5.7	47.8	14.4		
	8800	PALE	45	1917.6	1917.8	3.6	34.0	12.0		
	8800	PALE	45		1918.5		40.0			
	4995	SGMR	4	1917.1	1917.9	5.1	20.5	6.2		
	4995	BOUL	3	1917	1917.5	2.5	19.0	5.0		
	18	BOUL	41	2125	2140	16			3	
	18	BOUL	6	2144	2146	2			1	
	18	BOUL	6	2153	2159	9			3	
	207	VORO	44	2200	2245	105		16.0		
	18	BOUL	6	2202	2211	9			3	
	3750	TYKW	5	2310	2314	7	2.0	1.0		
	3750	TYKW	5	2329	2340	30	3.0	1.0		
9	8800	PALE	8	0009	0011	3.2	51.0	8.0		
	3750	TYKW	5	0015	0017.6	9	10.0	2.0		
	9400	TYKW	5	0017	0017.6	1.5	3.0	1.0		
	9400	TYKW	5	0039	0039.4	1	6.0	2.0		
	9400	TYKW	45	0046.5	0049.7	15	14.0	4.0		
	2000	TYKW	5	0055	0125	85	3.0	1.5		
	9400	TYKW	5	0108	0125	35	6.0	3.0		
	3750	TYKW	5	0108	0126.5	35	3.0	1.5		
	9400	TYKW	5	0154	0154.8	25	12.0	3.0		
	8800	MANI	4	0154.5	0154.8	4.4	10.4	2.1		
	4995	MANI	2	0154.5	0154.8	3.9	8.6	1.9		
	3750	TYKW	5	0154	0154.8	20	6.0	1.5		
	2695	MANI	2	0154	0155.3	4.5	2.9	1.0		
	9400	TYKW	5	0240	0250	30	3.0	1.0		
	3750	TYKW	45	0240	0250.3	30	8.0	2.0		
	2000	TYKW	5	0240	0247.5	30	2.5	1.0		
	8800	MANI	3	0345.2	0349.1	8.8	10.4	2.1		
	4995	MANI	3	0345.4	0349.1	8.6	18.2	4.8		
	9400	TYKW	5	0348	0348.9	16	5.0	2.0		
	3750	TYKW	5	0348	0348.9	16	6.0	2.0		
	2695	MANI	1	0348	0349.1	6.8	1.9	1.0		
	2000	TYKW	5	0348	0415	45	2.0	1.0		
	3750	TYKW	5	0409	0432	50	6.0	2.0		
	9400	TYKW	5	0438.5	0440.4	20	20.0	3.0		
	8800	MANI	3	0439.7	0440.4	2.8	14.5	8.3		
	4995	MANI	4	0439.5	0440.5	5.5	10.6	4.8		
	3750	TYKW	5	0439	0440.1	3	30.0	5.0		
	2695	MANI	2	0439.6	0440.4	4.9	9.5	2.9		
	2000	TYKW	5	0439	0440.3	8	7.0	1.0		
	100	GORK	44	0459 E		256 D		5.0		
	260	ONDR	41	0706	1028	471	35.0			
	245	SGMR	43	1324.5	2110.2	522.5D	111.0			
	200	HIRA	44	2045 E	2350	675 D	60.0	40.0		
	207	VORO	44	2200		240		35.0		
	9400	TYKW	5	0540	0545	50	7.0	3.0		
	4995	MANI	1	0540.7	0543.6	8	4.8	1.9		
	2695	MANI	1	0540.7	0542.6	8	4.7	1.9		
	1415	MANI	4	0540.7	0542.6	6.9	24.4	7.1		
	3750	TYKW	5	0541	0543	45	5.0	3.0		
	3100	CRIM	24	0541	0543		7.0	2.0		
	2000	TYKW	45	0541	0541.8	8	8.0	4.0		
	1000	TYKW	45	0541	0542.9	10	28.0	4.0		
	950	GORK	46	0541.5	0542.3	4.1	24.0			
	950	GORK		0541.5	0543.3		30.0D			
	650	GORK	45	0541.2	0542	3.9	16.0			
	606	MANI	4	0541.1	0542.8	5.6	15.8	5.1		
	650	GORK		0543.4			32.0			

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	2000	TYKW	29	0549		50	2.0	1.0		
	1000	TYKW	29	0551		50	1.5	0.5U		
	6100	KISV	4	0602	0603	4	4.0			
	9100	GORK	21	1012.7	1022	20.2	4.6			
	8800	ATHN	3	1014.7	1015.9	2.2	10.6	3.2		
	6100	KISV	4	1015	1016	2	19.0			
	9100	GORK	1	1018	1018.5	2	7.5	3.7		
	6100	KISV	4	1023.4	1024.8	4	12.0			
	9100	GORK	1	1024	1024.5	2	10.5	5.2		
	6100	KISV	1	1156	1157	2	4.0			
	2800	OTTA	8	1210.2	1210.3	.3	5.2			
	8800	ATHN	3	1432.3	1432.8	17.8	59.4	17.8		
	2800	OTTA	240	1440	1520	40	3.2	1.6		
	2800	OTTA	24P	1520		500 D	3.2			
	2800	OTTA	27A	1645		240	2.2	2.0		
	2800	OTTA	24	1645	1705	20	2.2	1.1		
	2700	PENN	1	1648.3	1648.7	1.4	1.5	0.5		
	2695	PENT	1	1648	1648.7	1.5	2.4	0.8		
	2800	OTTA	24P	1705	2010	185	2.2			
	8800	SGMR	20	1710.4	1711.9	10	8.0	4.8		
	2800	OTTA	22	1710	1716	30	3.2	1.5		
	4995	SGMR	22	1711.4	1711.9	20.3	7.0	4.2		
	18	MCMA	6	1711	1713	3			2	
	2695	SGMR	20	1714.3	1715.8	20.8	3.8	2.3		
	2695	BOUL	3	1716	1717.5	3	4.0	1.0		
	2800	OTTA	26	2010	2045	35	-2.2	-1.1		
	2800	OTTA	1	2127	2129	5	1.2	0.6		
10	3750	TYKW	45	0020	0053	60	4.0	2.0		
	1000	TYKW	5	0219	0221	15	2.0	1.0		
	3100	CRIM	20	0518	0551	132	9.0	3.0		
	3750	TYKW	45	0530	0630	100	8.0	4.0		
	2000	TYKW	45	0535	0623	95	5.0	2.0		
	9400	TYKW	5	0540	0630	90	7.0	3.0U		
	8800	ATHN	4	0621.4	0624.6	5.1	12.5	3.8		
	1000	TYKW	45	0621	0622.8	7	10.0	2.0		
	500	HIRA	45	0626	0629.8	6	70.0	20.0		
	29	UPIC	45	0637.5	0639	4.5				
	113	POTS	40	0657.6	0658.6	2.2	850.0	40.0		
	221	ABST	44	0700	0821.8	240	6.0			
	260	ONDR	41	0753	0822	202	85.0			
	188	KIEV	44	1035		210 D	232.0	45.0		
	29	UPIC	45	0712.5	0715	3.5				
	6100	KISV	20	0714	0718.4	11	3.0			
	3100	CRIM	24	0750	1232		6.0	2.0		
	6100	KISV	1	0821	0822.5	4	7.0			
	808	ONDR	45	0821.5	0822	6.5	105.0			
	536	ONDR	45	0821.5	0822.5	3	35.0			
	234	POTS	45	0821.4	0821.9	.4	120.0	20.0		
	221	ABST	6	0821.2	0821.8	.8	42.0			
	6100	KISV	1	0911	0913.4	5	5.0			
	3100	CRIM	1	0921	0929	3	4.0	1.0		
	6100	KISV	20	0955	0957.5	10	3.0			
	221	ABST		1008.8	1009.5	1.5	42.0	14.0		
	930	BORD	45	1016	1017.2	2	9.0	2.0		
	6100	KISV	1	1019.3	1020.3	3	3.0			
	3100	CRIM	24	1029	1102	153	8.0	3.0		
	6100	KISV	1	1031.5	1034	9	8.0			
	8800	ATHN	20	1032.7	1035.7	13.5	3.3	2.0		
	1415	ATHN	2	1034.2	1039.7	8.6	4.4	1.3		
	3000	BERL	22	1035	1103	145	6.5			
	2695	ATHN	20	1035.3	1037.2	10.7	6.6	4.0		
	930	BORD	45	1037	1037.7	3	17.0	2.0		
	1415	ATHN	20	1053.2	1100.6	29	2.9	1.8		
	6100	KISV	20	1054	1103	19	5.0			
	9500	BERL	20	1055	1102.5	133	5.1			
	2695	ATHN	20	1055.3	1100.6	15	8.8	5.3		
	8800	ATHN	41	1057.2	1105.2	16.9	15.0	4.5		
	808	ONDR	45	1059	1100.5	2.5	95.0			
	6100	KISV	20	1125.5	1127.4	4	3.0			
	6100	KISV	20	1134	1137.3	12	3.0			
	410	SGMR	6	1231.7	1232	.8	98.7	29.6		
	1415	SGMR	2	1232	1232.3	.8	2.4	1.0		
	606	SGMR	4	1232.2	1232.3	.6	28.9	8.7		
	7000	SAOP	20	1404.7		4	10.8			
	245	SGMR	43	1445	1644.7	441 D	110.0			
	2800	OTTA	23	1508	1845	380	8.8	4.4		
	8800	SGMR	22	1509.2	1513.6	55.4	15.1	7.6		
	4995	SGMR	22	1509.1	1515	56.1	9.4	4.7		
	2695	SGMR	22	1509.4	1515.2	53.1	6.8	3.4		
	930	BORD	45	1509	1509.8	2	105.0	2.0		
	2800	OTTA	8	1510	1510		7.0			
	7000	SAOP	22	1512.8		4.1	11.8			
	2800	OTTA	1	1513	1515	4	5.6	2.8		
	2695	BOUL	45	1513.5	1516	4	7.0	2.0		
	1415	SGMR	2	1513.3	1513.7	2.8	1.6	.6		
	2800	OTTA	1	1525	1528	6	2.8	1.4		
	2695	BOUL	21	1527.5	1529	7.5	5.0	2.0		
	18	MCMA	6	1708	1711	4			2	
	7000	SAOP	4	1806.7		3.4	22.8	11.4		

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	4995	BOUL	3	1806.5	1809.5	6	14.0	4.0		
	2695	BOUL	45	1807.5	1810	7.5	19.0	5.0		
	15400	SGMR	1	1808.3	1809.5	4.9	8.0	2.4		
	8800	SGMR	4	1808	1810.1	6.3	20.8	6.2		
	8800	PALE	3	1808.5	1809.5	3.3	12.0	3.6		
	7000	SAOP	40	1808.3		2.6				
	4995	SGMR	4	1808.2	1810.1	7.3	16.4	4.9		
	2800	OTTA	45	1808	1809.6	8	18.6	4.6		
	2695	SGMR	4	1808	1809.7	7.1	18.6	5.6		
	1420	BOUL	45	1808	1809	6	10.0	3.0		
	1415	SGMR	4	1808	1808.9	7.5	14.3	4.3		
	1415	PALE	3	1808.3	1808.8	3	12.0	3.6		
	7000	SAOP	25	1821.4		81				
	1415	SGMR	46	1825.5	1830.5	21.5	16.0	5.0		
	1415	SGMR	46		1833.5		9.5			
	8800	SGMR	46	1826.6	1833.3	13.9	105.0	32.0		
	8800	SGMR	46		1837		75.0			
	4995	SGMR	46	1826.8	1833.4	14.8	95.0	29.0		
	4995	SGMR	46		1836.9		77.0			
	2695	SGMR	46	1826.6	1833.6	19.9	35.0	11.0		
	2695	SGMR	46		1837.1		35.0			
	1420	BOUL	45	1826	1830.5	20	11.0	3.0		
	15400	SGMR	46	1827.7	1833.3	12.2	50.0	15.0		
	15400	SGMR	46		1837.6		41.0			
	2800	OTTA	46	1827	1833.5	18	35.0	8.8		
	2695	BOUL	45	1828	1838 U	17.5	22.0U	6.0U		
	8800	PALE	22	1829.3	1833.3	16.5	77.0	46.0		
	7000	SAOP	46	1829.2	1833.2	23.8	124.6	31.4		
	4995	BOUL	45	1829	1833	15	82.0	24.0		
	1415	PALE	22	1829.3	1830.6	14.9	14.0	8.5		
	606	SGMR	4	1829.2	1830.5	13.3	11.0	3.0		
	410	SGMR	6	1829.1	1830.5	13.2	77.0	23.0		
	10700	PENN	45	1830 E	1833.4		80.4			
	2700	PENN	45	1832 E	1833.6		30.8			
	15400	SGMR	29	1839.9	1839.9	20.1	13.9	5.6		
	8800	SGMR	29	1840.5	1840.5	19.5	18.2	7.3		
	4995	SGMR	29	1841.6	1841.6	17.4	13.1	5.2		
	7000	SAOP	29	1852.6		7.3				
	10700	PENN	1	2117.9	2118	.4	8.5	6.0		
	2700	PENN	1	2117.9	2118.1	.6	3.4	1.0		
	10700	PENN	8	2120.9	2120.9	.1	16.9			
	207	VORO	44	2200	0100	240		48.0		
	2695	PENT	20	2240	2332	80 D	5.8			
	9400	TYKW	45	2310	2329	70	13.0	4.0		
	3750	TYKW	45	2310	2333.3	70	8.0	2.0		
	2000	TYKW	45	2320	2401.2	60	5.0	1.0		
	1000	TYKW	45	2358	2358.5	5	6.0	0.7		
11	9400	TYKW	5	0057	0058.1	3	3.0	1.0		
	3750	TYKW	5	0057	0058.1	3	3.0	1.0		
	2000	TYKW	5	0057.5	0058.1	1.5	2.0	0.7		
	1000	TYKW	5	0057.5	0058	1	10.0	3.0		
	9400	TYKW	5	0112	0112.8	3	8.0	3.0		
	2000	TYKW	28	0129	0135.1	13	6.0	2.0		
	3750	TYKW	28	0131	0135	12	4.0	3.0		
	9400	TYKW	28	0132	0137	11	5.0	3.0		
	1415	MANI	46	0132.5U	0151.6	25.3U	32.3U	12.2U		WX
	1000	TYKW	28	0132	0135.2	11	4.0	1.0		
	606	MANI	22	0135	0144.7	22.5	6.8	2.6		
	4995	MANI	46	0137.7U	0151.5	25.8U	57.0U	19.4U		WX
	2695	MANI	46	0138.5U	0151.5	20.2U	68.0U	23.8U		WX
	2000	TYKW	45	0142	0151.5	17	60.0	20.0		
	9400	TYKW	45	0143	0151.3	16	49.0	22.0		
	8800	MANI	46	0143.6U	0153.8	22.1U	55.0U	19.1U		WX
	8800	PALE	4	0143.4	0151.4	10.8	55.0	16.0		
	3750	TYKW	45	0143	0151.3	15	68.0	30.0		
	2930	VORO	46	0143	0151.5	14	90.0			
	1415	PALE	4	0143.5	0151.6	11.7	28.0	8.4		
	1000	TYKW	45	0143	0151.1	15	16.0	6.0		
	3750	TYKW	29	0158		25	7.0	4.0		
	9400	TYKW	29	0159		21	8.0	3.0		
	2000	TYKW	29	0159		30	2.0	1.0		
	3750	TYKW	28	0230	0252	54	5.0	3.0		
	2000	TYKW	5	0240	0240.3	2	2.0	0.6		
	1000	TYKW	5	0240	0240.4	2	2.0	0.7		
	1000	TYKW	41	0259	0300.7	2	9.0	1.5		
	9400	TYKW	28	0303	0320	24	5.0	3.0		
	8800	MANI	47	0323	0329.4	44.9	1750.0	255.0		
	4995	MANI	47	0323.2	0329.4	45.7	760.0	290.0		
	2695	MANI	46	0323.8	0329.3	43.9	340.0	150.0		
	1000	TYKW	45	0323	0329	30	370.0	55.0		
	1000	TYKW		0323	0339.8		140.0			
	3750	TYKW	45	0324	0328.2	23	465.0	100.0		
	3750	TYKW		0324	0338.6		300.0			
	2000	TYKW	45	0324	0329.3	23	415.0	70.0		
	2000	TYKW		0324	0339.4		230.0			
	606	MANI	47	0324.3	0329.2	32.7	570.0	103.0		
	2930	VORO	47	0325	0329	50	570.0			
	1415	MANI	46	0325.3	0329.4	31.7	460.0	139.0		
	1415	PALE	46	0325.7	0328.8	22.5	450.0	90.0		

SOLAR RADIO EMISSION
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OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME	TIME OF MAXIMUM	DURATION	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1}		INT	REMARKS
				UT	UT	MINUTES	PEAK	MEAN		
11	1415	PALE	46		0339.6		160.0			
	200	HIRA	45	0326		25		110.0D		
	200	HIRA		0326	0331.5U		350.0D			
	9400	TYKW	47	0327	0329.3	20	1600.0	280.0		
	9400	TYKW		0327	0338.1		560.0			
	8800	PALE	47	0327	0329.2	17.3	1800.0	360.0		
	8800	PALE	47		0338.2		540.0			
	500	HIRA	45	0327.6	0329.	20	350.0	100.0		
	100	HIRA	45	0327.5		19		300.0D		
	100	HIRA		0327.5	0329.3U		1000.0D			
	100	HIRA		0327.5	0334.6U		1000.0D			
	100	HIRA	24	0346	0446.5	254 D	200.0	80.0		
	9400	TYKW	29	0347		230 D	35.0	8.0U		
	3750	TYKW	29	0347		230 D	24.0	10.0U		
	2000	TYKW	29	0347		220 D	13.0	10.0U		
	1000	TYKW	29	0353		220 D	5.0	3.0U		
	9400	TYKW	45	0442	0446.3	6	7.0	2.0		
	8800	ATHN	4	0459.8	0501	3.3	42.9	12.9		
	4995	ATHN	4	0459.8	0501	3.3	39.0	11.7		
	2695	ATHN	4	0459.8	0501	3.3	28.1	8.4		
	1415	ATHN	4	0459.8	0501	2.9	14.4	4.3		
	9400	TYKW	5	0500.5	0501	3.5	33.0	10.0		
	8800	MANI	3	0500.8U	0501.3	4 U	19.2U	5.8U		WX
	4995	MANI	3	0500.8U	0501.3	3.2U	17.5U	3.9U		WX
	3750	TYKW	5	0500.5	0501.1	3.5	36.0	11.0		
	2695	MANI	3	0500.8U	0501.3	3 U	14.1U	4.7U		WX
	2000	TYKW	5	0500.5	0501.1	3.5	14.0	4.0		
	1415	MANI	1	0500.8U	0501.3	3 U	5.9U	2.4U		WX
	1000	TYKW	5	0500.5	0501.1	3.5	4.0	1.5		
	606	MANI	1	0500.8	0501.2	1	5.8	2.7		
	200	GORK	44	0503 E		492 D		5.0		
	100	GORK	44	0503 E		492 D		60.0		
	260	ONDR	44	0647	0800	498	230.0			
	188	KIEV	42	0700 E		420 D	128.0	62.0		
	9400	TYKW	5	0518	0518.6	2	6.0	2.0		
	9400	TYKW	5	0520	0529.5	20	9.0	2.0		
	3750	TYKW	5	0520	0529.8	35	5.0	2.0		
	2000	TYKW	5	0524	0525.3	15	1.5	0.7		
	650	GORK	40	0524.2	0524.7	.8	3.9			
	200	GORK	6	0529.6	0530.2	3.1	150.0	70.0		
	200	HIRA	45	0529.2	0529.8	1.2	170.0	60.0		
	3750	TYKW	5	0548	0549	3	2.0	1.0U		
	9400	TYKW	5	0549	0549.6	2	5.0	2.0		
	1000	TYKW	5	0613.6	0613.7	.3	21.0	7.0U		
	6100	KISV	46	0614.5	0616.8	7	17.0			
	606	MANI	4	0615.7	0616.7	3.7	29.6	8.0		
	200	HIRA	45	0615.5	0616	3	350.0	70.0		
	9400	TYKW	5	0616.6E	0617	2.4D	9.0	3.0U		
	8800	ATHN	2	0616.2	0616.6	2.6	9.9	3.0		
	4995	MANI	2	0616.3U	0617.3	2.7U	3.9U	1.0U		WX
	4995	ATHN	4	0616	0616.9	2.8	12.4	3.7		
	3750	TYKW	5	0616	0617	3	9.0	3.0		
	3100	CRIM	1	0616	0617	4	5.0	2.0		
	2695	MANI	2	0616.3U	0617.2	2.6U	2.8U	.9U		WX
	2695	ATHN	2	0616.3	0617	3	4.7	1.4		
	1415	MANI	2	0616.3U	0616.7	2.6U	1.5U	.5U		WX
	1415	ATHN	2	0616	0616.6	2.3	4.1	1.2		
	1000	TYKW	45	0616	0617.9	3	8.0	2.0		
	950	GORK	46	0616.6	0617.2	3.7	6.9			
	950	GORK		0616.6	0618.5		11.7			
	650	GORK	4	0616.5	0617.3	3.3	29.0	11.6		
	500	HIRA	45	0616	0616.7	3	20.0	10.0		
	200	GORK	41	0616.1	0617.5	2.9	120.0			
	200	GORK		0616.1	0618.6		120.0			
	3750	TYKW	5	0705	0706.7	3	6.0	2.0		
	950	GORK	3	0706.4	0706.7	.7	9.2	4.6		
	650	GORK	3	0706.3	0706.6	.8	32.0	16.0		
	550	KIEV	6	0706.5	0706.7	.6	62.0			
	100	GORK	6	0706.3	0706.6	.7	50.0			
	536	ONDR	45	0707	0707	1.5	40.0			
	950	GORK	1	0738.6	0738.7	.4	3.6	1.8		
	650	GORK	4	0739	0739.4	.8	10.7	3.0		
	550	KIEV	6	0739	0739.5	1	55.0			
	536	ONDR	45	0739	0739.5	2	55.0			
	234	POTS	5	0747.8	0747.9	.1	200.0	70.0		
	4995	MANI	4	0757.6	0759.7	9.1	15.5	4.9		
	650	GORK	3	0757.9	0758.1	.4	21.0	6.0		
	9500	BERL	4	0758.4	0759.4	2.1	12.0	5.4		
	9240	ARCE	2	0758.9	0759.5	2.6				
	9100	GORK	2	0758.5	0759.2	2.5	18.5	9.3		
	8800	MANI	4	0758.6	0800.1	8.1	19.2	5.8		
	8800	ATHN	4	0758.9	0759.3	2.7	23.1	6.9		
	4995	ATHN	4	0758.8	0759.3	2.4	15.6	4.7		
	3000	BERL	1	0758.8	0759.1	1.7	3.2	1.0		
	1470	BERL	4	0758.7	0759.2	2.3	6.8	2.4		
	1415	MANI	2	0758	0759.7	8.2	7.4	2.5		
	1415	ATHN	4	0758.8	0759.4	3.2	14.4	4.3		
	808	ONDR	45	0758.5	0800.5	3	230.0			
	650	GORK	46	0758.7	0759.5	5.6	240.0			
	650	GORK		0758.7	0759.9		400.0			

SOLAR RADIO EMISSION
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OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} MEAN	INT	REMARKS
11	650	GORK		0758.7	0800.4		470.0			
	606	MANI	4	0758	0800.5	5.6	415.0	78.0		
	550	KIEV	41	0758.2	U	6.2	95.0D			
	536	ONDR	45	0758.5	0800.5	5.5	120.0			
	510	POTS	45	0758.5	0800	4.5	77.0	15.0		
	228	HARS	45	0758	0800	4	215.0D	90.0		
	6100	KISV	3	0759	0759.5	5	26.0			
	2695	MANI	2	0759.5	0800	7.5	2.8	.9		
	2695	ATHN	2	0759	0759.5	2	4.7	1.4		
	950	GORK	46	0759.1	0759.2	2.7	88.0			
	950	GORK		0759.1	0800		225.0			
	930	BORD	45	0759	0800	3	164.0	50.0		
	234	POTS	45	0759	0759.7	1.7	600.0	80.0		
	221	ABST		0759.2	0800.5	2.5	41.0	6.0		
	207	IZMI	48	0759	0759.5	2	1600.0	300.0		
	200	GORK	6	0759	0759.8	1.6	550.0			
	188	KIEV	6	0759.2	U	2.5	890.0D			
	113	POTS	4	0759	0759.4	1.6	50000.0	5000.0		
	29	UPIC	45	0759	0800.5	2				
	6100	KISV	46	0829	0835	18	33.0			
	950	GORK	46	0829.9	0832	6.2	69.0			
	950	GORK		0829.9	0833.2		77.0			
	221	ABST		0829.8	0832.8	7.5	22.0			
	9500	BERL	40	0830	0835	13	57.0	14.0		
	9240	ARCE	21	0830.5	0921.8	143				
	9100	GORK	45	0830	0831.5	15.5	6.8			
	9100	GORK		0830	0834.5		40.0D			
	9100	GORK		0830	0837		39.0			
	8800	ATHN	45	0830.2	0835.3	16.2	77.6	23.3		
	8800	ATHN	45		0837.3		54.5			
	4995	ATHN	45	0830.2	0835	14.7	18.7	5.6		
	4995	ATHN	45		0837.3		18.7			
	3100	CRIM	46	0830	0832	50	5.0			
	3100	CRIM		0830	0834		6.0	3.0		
	3100	CRIM		0830	0836		5.0			
	3100	CRIM		0830	0838		5.0			
	3000	BERL	40	0830	0835.2	12	4.8	2.2		
	2695	ATHN	45	0830.7	0835.2	8.5	4.7	1.4		
	2695	ATHN	45		0837.7		4.7			
	1470	BERL	40	0830	0835.5	13	9.3	4.4		
	1415	ATHN	45	0830	0835.4	15.7	14.4	4.3		
	1415	ATHN	45		0837.4		14.4			
	930	BORD	45	0830	0833	9	80.0	6.0		
	808	ONDR	45	0830	0832.5	9	190.0			
	650	GORK	46	0830.4	0831.2	8.5	93.0			
	650	GORK		0830.4	0833.1		485.0			
	550	KIEV	41	0830.7	0833.5	9.2	290.0D			
	536	ONDR	45	0830	0833	9.5	200.0			
	510	POTS	40	0830.3	0832.9	8.5	140.0	3.0		
	234	POTS	41	0830.7	0832.9	6.7	9000.0	200.0		
	207	IZMI	41	0830	0831	7.5	1600.0			
	188	KIEV	41	0830.7	0833.4	7.7	560.0U			
	113	POTS	40	0830.2	0831.8	7.3	70000.0	200.0		
	100	GORK	6	0830	0832	1.5	2500.0			
	200	GORK	41	0831.7	0831.8	1.8	85.0D			
	200	GORK		0831.7	0833.5		450.0			
	9240	ARCE	46	0835	0835.5	7.5				
	9240	ARCE		0835	0835.5	2				
	9240	ARCE		0837	0837.4	5.5				
	100	GORK	6	0836.5	0837.6	1.4	200.0	100.0		
	950	GORK	4	0837.3	0838.1	2.3	9.7	4.8		
	200	GORK	6	0837	0837.5	.9	100.0	50.0		
	650	GORK	3	0856.1	0856.3	.6	9.0			
	9100	GORK	1	0918.5	0921	3.7	4.1	2.6		
	8800	ATHN	2	0919.4	0920.5	2.4	5.0	1.5		
	4995	ATHN	2	0919	0920.6	2.7	3.1	.9		
	650	GORK	2	0947.1	0947.4	1.3	4.0	2.0		
	650	GORK	1	0957.7	0957.8	.5	2.0			
	9100	GORK	45	1006	1023.5	48 D	58.0			
	9100	GORK		1006	1029.2		59.0			
	9500	BERL	40	1010	1023.5	35	54.0	23.0		
	3000	BERL	46	1010	1029.3	35	57.0	16.0		
	6100	KISV	46	1011	1023.5	52	83.0			
	3100	CRIM	46	1011	1024	33	50.0			
	3100	CRIM		1011	1030		60.0	20.0		
	1470	BERL	40	1011	1028.5	23	16.0	4.8		
	930	BORD	45	1012	1030	21	95.0	6.0		
	650	GORK	40	1014	1018.1	6.2	3.4			
	536	ONDR	45	1014.5	1030	17	90.0			
	9240	ARCE	20	1017.1	1024	28				
	9240	ARCE		1017.1	1020.2	4.5				
	9240	ARCE		1021.6	1024	6.2				
	9240	ARCE		1027.8	1030	17.3				
	1420	ARCE	20	1017	1028.5	31 U				
	1420	ARCE		1017	1023.6	10				
	1420	ARCE		1027	1028.5	21 U				
	2695	ATHN	46	1021.7	1023.5	17.7	32.6	15.6		
	2695	ATHN	46		1028.3		52.1			
	950	GORK	46	1021.7	1023.9	9.7	18.0			
	950	GORK		1021.7	1030.2		96.0			

SOLAR RADIO EMISSION
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OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
11	808	ONDR	45	1021	1030	10	210.0			
	650	GORK	4	1021.6	1023.8	4.1	10.0	4.0		
	4995	ATHN	46	1022.4	1023.8	18.6	56.2	16.9		
	4995	ATHN	46		1028.3		53.8			
	1415	ATHN	46	1022.4	1023.4	11.9	11.8	3.5		
	1415	ATHN	46		1028.3		10.4			
	550	KIEV	6	1022.7	1023.7	1.5	42.0			
	8800	ATHN	46	1023	1024.2	19.7	68.5	20.6		
	8800	ATHN	46		1029		63.6			
	650	GORK	46	1026.1	1030.6	5	173.0			
	650	GORK		1026.1	1030.8		149.0			
	550	KIEV	6	1028.5	1030.6	3	123.0			
	221	ABST		1028.5	1029.5	2.5	27.0	9.0		
	207	IZMI	41	1028.3	1029	2.7	500.0			
	188	KIEV	6	1028	1028.5	2.8	366.0U			
	234	POTS	40	1029.6	1029.7	.8	550.0	15.0		
	33	UPIC	45	1029.5	1030.5	1.5				
	510	POTS	41	1034	1042	10	30.0	1.0		
	33	UPIC	45	1034	1036.5	6				
	200	GORK	6	1044.8	1045	.4	120.0	60.0		
	188	KIEV	41	1046	1048.6	6.2	244.0U			
	550	KIEV	6	1047	1048	3.4	153.0			
	3000	BERL	4	1112.5	1114.5	3.5	43.0	16.0		
	234	POTS	45	1115.1	1115.5	.3	100.0	20.0		
	207	IZMI	6	1115.2	1115.5	.6	250.0	140.0		
	200	GORK	6	1115.3	1115.5	.4	130.0			
	188	KIEV	6	1115.3	1115.2	.7	465.0U			
	9240	ARCE	21	1117 U	1220.2	250 D				
	3000	BERL	4	1117	1119	2.5	29.0	11.0		
	3000	BERL	2	1120	1121.5	4	4.8	2.2		
	6100	KISV	1	1121	1121.5	4	4.0			
	6100	KISV	2	1138	1139	12	11.0			
	930	BORD	45	1213	1214	2	79.0	2.0		
	950	GORK	3	1214	1214.2	.6	35.0			
	808	ONDR	5	1214	1214	.5	105.0			
	536	ONDR	45	1214.5	1214.5	.5	85.0			
	550	KIEV	6	1217.7	1219.2	2	105.0			
	808	ONDR	45	1218.5	1219.5	2	105.0			
	650	GORK	45	1218.7	1218.9	1.7	18.4			
	650	GORK		1218.7	1219.8		89.0			
	536	ONDR	45	1218	1219.5	3.5	95.0			
	3000	BERL	2	1243	1243.5	1.5	5.9	2.2		
	9240	ARCE	21	1256.8	1303	49.5				
	3000	BERL	4	1257	1300	6	54.0	16.0		
	930	BORD	45	1257	1259.5	7	290.0	7.0		
	808	ONDR	45	1257	1300	7.5	200.0			
	650	GORK	46	1257	1257.6	11.6	78.0			
	650	GORK		1257	1300.2		203.0			
	650	GORK		1257	1300.8		210.0			
	606	SGMR	4	1257	1259.7	7	229.1	68.7		
	550	KIEV	41	1257	1300	6.7	146.0			
	536	ONDR	45	1257	1259.5	8	135.0			
	9500	BERL	4	1258	1300	5	159.0	74.0		
	7000	SAOP	45	1258.4	1300	4.1	216.7	54.3		
	15400	SGMR	4	1259.1	1259.9	4.9	147.6	44.3		
	9240	ARCE	4	1259.3	1259.9	3.2				
	8800	SGMR	4	1259	1259.8	9	202.5	60.7		
	8800	ATHN	46	1259.3	1300	6.1	283.0	87.9		
	8800	ATHN	46		1300.6		106.0			
	4995	SGMR	4	1259	1259.8	10	88.1	26.4		
	4995	ATHN	4	1259.2	1300	3.1	79.6	23.9		
	2800	OTTA	21	1259	1505	410	21.4	7.3		
	2800	OTTA	4	1259	1300	5	63.0	15.8		
	2695	SGMR	4	1259.1	1259.9	8.7	64.3	19.3		
	2695	ATHN	4	1259.2	1300.1	2.8	54.3	16.3		
	1470	BERL	4	1259	1300	11	45.0	17.0		
	1420	ARCE	4	1259.1	1259.8	4				
	1415	SGMR	4	1259.1	1259.9	8.3	52.1	15.6		
	1415	ATHN	4	1259.5	1300.1	2	35.5	10.7		
	950	GORK	3	1259.5	1259.7	1.9	98.0			
	410	SGMR	6	1259	1300.7	8.2	85.0	25.5		
	245	SGMR	6	1259	1259.5	7	25.2	7.6		
	234	POTS	45	1259.3	1259.6	.5	100.0	15.0		
	200	GORK	6	1259.4	1259.7	4	130.0D			
	188	KIEV	6	1259.2	1259.5	3.7	585.0U			
	113	POTS	45	1259.2	1259.5	1.3	28000.0	2800.0		
	100	GORK	6	1259.2	1300	1.1	400.0			
	29	UPIC	45	1259.5	1300	1.5				
	7000	SAOP	29	1302.5		11				
	1420	ARCE	29	1303.1		63				
	3000	BERL	4	1310	1312.5	3.5	53.0	22.0		
	650	GORK	41	1310.3	1310.9	2.6	2.0			
	650	GORK		1310.3	1312.6		2.3			
	3000	BERL	3	1325	1325.9	1.5	22.0	9.7		
	3000	BERL	4	1338	1341.5	4.5	166.0	42.0		
	8800	SGMR	1	1339.2	1339.7	3	5.3	1.6		
	4995	SGMR	20	1339.1	1340.1	13	5.9	3.5		
	2695	SGMR	20	1339.2	1343.5	15.4	2.7	1.6		
	3000	BERL	46	1350	1354	6	18.0	5.4		
	3000	BERL	4	1400.7	1401.4	1.8	24.0	4.3		

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OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
11	930	BORD	45	1401	1401.1	1	35.0	2.0		
	808	ONDR	5	1402	1402	.5	135.0			
	536	ONDR	5	1402	1402	.5	95.0			
	9240	ARCE	28	1416 U	1444.6	29.3				
	510	POTS	41	1416.3	1446	35	200.0	10.0		
	15400	SGMR	22	1419.8	1424.5	12.2	24.5	14.4		
	18	MCMA	6	1419	1420	2			1	
	4995	SGMR	40	1420.3	1425.3	11	19.9	6.0		
	3000	BERL	46	1420	1446.5	65	581.0	99.0		
	2800	OTTA	40	1420	1424.3	9	17.8			
	2695	SGMR	40	1420.5	1423.5	9.5	7.8	2.4		
	1470	BERL	46	1420	1446.5	40	201.0	75.0		
	1420	BOUL	8	1420	1421	1.5	4.0	1.0		
	1420	ARCE	1	1420.5	1421	.8				
	1415	SGMR	40	1420.7	1424.1	9.1	32.9	9.9		
	930	BORD	40	1420	1424.2	5	170.0	3.0		
	808	ONDR	45	1420	1421.5	4.5	165.0			
	606	SGMR	47	1420.3	1421.2	7.2	266.0	382.8		
	606	SGMR	47		1421.9		957.0			
	536	ONDR	45	1420	1420.5	7.5	150.0			
	410	SGMR	6	1420.5	1421.2	7.1	90.5	27.2		
	245	SGMR	6	1420.3	1420.7	1.2	25.5	7.7		
	113	POTS	45	1420.2	1420.8	1.1	14000.0	800.0		
	29	UPIC	45	1421	1421.5	1				
	9500	BERL	46	1422	1446.3	51	1022.0	290.0		
	8800	SGMR	40	1422.5	1424.5	10.5	58.3	17.5		
	7000	SAOP	28	1422.8		1				
	8800	ATHN	4	1423.7	1424.5	6.7	48.9	14.7		
	7000	SAOP	45	1423.8	1424.5	2.5	69.2	28.9		
	4995	BOUL	3	1423.5	1425.5	5	20.0	5.0		
	4995	ATHN	4	1423.6	1425.3	7.2	15.6	4.7		
	7000	SAOP	29	1426.7		3				
	2695	SGMR	4	1432.5	1446.6	24.3	460.0	138.0		
	4995	SGMR	47	1433	1446.4	23.9	1080.0	324.0		
	8800	ATHN	47	1434.4	1446.3	17.6	1283.0	385.0		
	7000	SAOP	45	1434.9	1446.2	18	1735.4	167.3		
	4995	BOUL	47	1434	1447.5	49	526.0	169.0		
	4995	ATHN	47	1434.4	1446.4	17.6	740.0	220.0		
	2695	BOUL	3	1434.5	1448	86	258.0	61.0		
	2695	ATHN	4	1434.4	1446.5	15.5	401.0	120.0		
	1415	ATHN	4	1434.7	1446.9	14.7	146.0	43.8		
	8800	SGMR	47	1435.2	1446.3	20.8	1665.0	500.0		
	2800	OTTA	4	1435	1446.6	21	444.0	53.0		
	1420	BOUL	45	1435.5	1447.5	18	108.0	32.0		
	1420	ARCE	28	1435.8	1442	9.6				
	1415	SGMR	4	1435	1446.6	18.3	250.0	75.0		
	15400	SGMR	47	1436.3	1446.3	16.7	707.0	212.0		
	410	SGMR	49	1436.5	1446.2	39.7	2570.0	770.0		
	606	SGMR	46	1437.3	1442.3	39.2	75.8	104.0		
	606	SGMR	46		1446.2		260.0			
	930	BORD	45	1439	1446.6	15	611.0	52.0		
	808	ONDR	45	1439	1447	15.5	235.0			
	536	ONDR	45	1439	1442	18.5	100.0			
	245	SGMR	6	1441.5	1446.6	33.7	143.0	43.0		
	234	POTS	41	1444.4	1446.7	9.2	1800.0	30.0		
	9240	ARCE	4	1445.7	1446.3	8.4				
	1420	ARCE	4	1445.4	1446.5	4.6				
	18	MCMA	6	1445	1447	4			?	
	35000	SGMR	4	1446.2	1447.2	5	223.0	89.0		
	29	UPIC	45	1447	1448.5	2				
	2695	ATHN	29	1449.9	1449.9	25.5	45.6	13.7		
	1415	ATHN	29	1449.4	1449.4	21.6	14.8	4.4		
	1420	ARCE	29	1450		52				
	8800	ATHN	29	1452	1452	31	81.5	24.4		
	4995	ATHN	29	1452	1452	30.7	64.4	18.7		
	15400	SGMR	29	1453	1453	52	64.8	32.4		
	7000	SAOP	29	1453.6		50.3				
	1415	SGMR	29	1453.3	1453.3	53.4	6.5	3.2		
	9240	ARCE	29	1454.1		46				
	8800	SGMR	29	1456	1456	49	53.0	26.5		
	4995	SGMR	29	1456.9	1456.9	46.6	30.8	15.4		
	2695	SGMR	29	1456.8	1456.8	55.2	19.2	9.6		
	245	SGMR	43	1640	1824.8	324 D	138.4			
	18	MCMA	6	1707	1708	3			2	
	18	MCMA	41	1714	1718	5			2	
	7000	SAOP	4	1728.7	1730.4	3.9	512.2	83.4		
	4995	BOUL	8	1728.5	1732.5	8	188.0	51.0		
	4995	SGMR	3	1728.5	1731.9	20.3	337.8	101.3		
	1415	SGMR	3	1728.6	1732	10.2	78.5	23.6		
	8800	SGMR	3	1729.6	1731.9	14.9	387.4	116.2		
	8800	PALE	3	1730.6	1731.8	12.6	360.0	110.0		
	2695	SGMR	3	1730.9	1732	19.4	144.7	43.4		
	1420	BOUL	8	1730.5	1732	19	30.0	10.0		
	410	SGMR	6	1730.7	1731.8	6.1	205.0	60.0		
	18	MCMA	6	1730	1731	2			2	
	15400	SGMR	3	1731	1731.9	12.8	170.6	51.2		
	2800	OTTA	3	1731	1732.1	4	152.0	30.0		
	2695	BOUL	8	1731.5	1733.5	12	81.0	30.0		
	1415	PALE	3	1731	1732	8.8	74.0	17.0		
	606	SGMR	4	1731	1732.3	6	63.0	18.9		

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11	245	SGMR	48	1731	1731.8	8.8	655.2	197.0		
	7000	SAOP	29	1732.6		11.8				
	2800	OTTA	30	1735	1735	15	4.6	2.3		
	2800	OTTA	1	1738.8	1739	3	1.6	1.0		
	8800	SGMR	3	1756.5	1757.7	17.1	22.8	6.8		
	4995	SGMR	1	1756.6	1757.7	5.6	9.0	.3		
	7000	SAOP	1	1757.2	1758.9	1.4	22.8	11.5		
	2800	OTTA	23	1810	1830	75	4.8	2.0		
	8800	SGMR	20	1817.1	1831.1	53.7	26.5	10.0		
	4995	SGMR	22	1819.7	1831.1	48.3	25.4	7.6		
	2695	SGMR	20	1822.5	1831.1	61.8	5.4	1.6		
	4995	BOUL	45	1827.5	1831	8.5	23.0	8.0		
	7000	SAOP	22	1828.2		6.6		15.2		
	2695	BOUL	45	1828.5	1832	4	5.0	2.0		
	2800	OTTA	1	1830.9	1831	1	2.6	1.3		
	18	MCMA	6	1840	1841	2				
	7000	SAOP	1	1916.6		.3	18.8	9.4	.1	
	18	MCMA	42	1929	1931	20			1	
	2695	BOUL	45	2037.5	2048	16	5.0	2.0		
	2800	OTTA	22	2038	2047	30	4.8	2.4		
	2695	PENT	240	2112	2247	95	4.2	2.1		
	4995	BOUL	45	2217.5	2219	3	10.0	3.0		
	2695	PENT	24P	2248		70 D	4.2			
	1000	TYKW	5	2250.7	2250.8	.3	6.0	2.0		
	2695	PENT	8	2251	2251	.2	3.6			
	1000	TYKW	5	2345	2345.5	1	2.0	0.7		
12	2000	TYKW	5	0130	0205	110	3.0	1.0		
	3750	TYKW	45	0132	0137.8	100	13.0	3.0		
	8800	PALE	3	0137.7	0137.9	3.6	26.0	7.9		
	8800	MANI	3	0138.3	0138.9	2.4	36.2	14.5		
	4995	MANI	1	0138.3	0139.1	2.4	8.3	2.8		
	9400	TYKW	5	0417	0433	90	9.0	4.0		
	3750	TYKW	45	0417	0450	90	9.0	3.0		
	2000	TYKW	5	0417	0433	80	3.0	1.5		
	200	GORK	44	0457 E		438 D		5.0		
	100	GORK	44	0457 E		484 D		30.0		
	260	ONDR	44	0700	0737	270	45.0			
	188	KIEV	44	0700 E		335	160.0	59.0		
	410	SGMR	44	1055 E	1329.5	667 D	27.9			
	245	SGMR	44	1055 E	1208.2	667 D	159.2			
	100	HIRA	44	2045 E	2102	480 D	200.0	30.0		
	8800	ATHN	3	0518.1	0518.7	2	44.8	13.4		
	9400	TYKW	5	0552	0552.3	1	7.0	2.0		
	8800	MANI	1	0552	0552.5	1.9	7.2	1.8		
	4995	MANI	1	0552	0552.6	2.1	6.4	1.8		
	3750	TYKW	5	0552	0552.3	1	5.0	2.0		
	2695	MANI	1	0552	0552.5	1.4	2.0	1.0		
	2000	TYKW	5	0552	0552.3	1.5	4.0	1.0		
	1415	MANI	1	0552.1	0552.6	1.3	1.4	.5		
	1000	TYKW	5	0552	0552.3	1	.9	0.3		
	606	MANI	8	0552.2	0552.5	.7	52.0	7.8		
	3100	CRIM	20	0645	0720	75	14.0	5.0		
	6100	KISV	20	0709	0720	40	17.0			
	3000	BERL	22	0713	0720.5	44	5.5			
	1470	BERL	20	0715	0723	25	2.6			
	9500	BERL	20	0717.5	0728	38	11.0			
	9100	GORK	22	0717.5	0728.5	34.2	8.8	6.4		
	8800	ATHN	20	0718.5	0720.3	14.5	4.8	3.0		
	100	GORK	41	0743.9	0745.8	6	400.0			
	100	GORK		0743.9	0749.3		600.0			
	1420	ARCE	20	0808.9	0906.3	100				
	9240	ARCE	22	0811.7	0906.4	80.5				
	9100	GORK	21	0812	0830 U	41.5	5.0	2.8		
	6100	KISV	3	0812	0814	5	17.0			
	9100	GORK	1	0813.2	0814	1.7	5.8	2.9		
	8800	ATHN	1	0813.7	0814.1	1.1	9.6	3.0		
	3100	CRIM	20	0813	0910	80	5.0	2.0		
	200	GORK	6	0822.7	0822.8	.5	75.0	30.0		
	6100	KISV	20	0848	0906	44	11.0			
	9100	GORK	23	0857	0909	29.5	10.5	5.3		
	9100	GORK	1	0905.5	0906	2	8.5	4.3		
	3000	BERL	21	1002	1342	263 D	18.0			
	3100	CRIM		1023						
	9240	ARCE	25	1028.7						
	234	POTS	45	1047	1146	223 D	120.0			
	6100	KISV	1	1049	1050.5	10	6.0			
	1470	BERL	21	1103	1228.8	202 D	10.0			
	1420	ARCE	21	1106.2	1205.8	108				
	950	GORK	21	1106.8	1154 U	74.2D	40.0			
	536	ONDR	45	1107.5	1145.5	65	195.0			
	113	POTS	45	1116	1145.5	194 D	200.0			
	207	IZMI	24	1123	1146	33	180.0	40.0		
	808	ONDR	45	1127	1146.5	42.5	210.0			
	650	GORK	21	1127.8	1156	57	12.0			
	245	SGMR	6	1129.5	1145.9	81.5	242.2	72.4		
	650	GORK	3	1130	1130.3	1	15.0			
	260	ONDR	45	1130	1145	30	155.0			
	6100	KISV	47	1132		28 D	240.0D			
	188	KIEV	48	1134.2	1144.5	44.3	515.0			

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12	9500	BERL	21	1135	1235	155	18.0			
	7000	SAOP	28	1135.2		2.5				
	3000	BERL	4	1135	1146.4	73	182.0	48.0		
	606	SGMR	46	1135	1145.7	41.1	267.0	80.1		
	606	SGMR	46		1147.1		182.5			
	510	POTS	45	1135	1145.5	37	200.0	30.0		
	1470	BERL	4	1136	1146.7	41	102.0			
	930	BORD	45	1136	1146.3	36	107.0	16.0		
	550	KIEV	48	1136.5	1146.2	35.8	290.0D			
	410	SGMR	49	1136.1	1146	38.2	680.0	272.0		
	100	GORK	24	1136	1145.8	45 D	500.0			
	7000	SAOP	45	1137.7	1146.3	28.9	410.6	38.2		
	29	UPIC	45	1138	1144	34				
	8800	ATHN	47	1139.3	1146.3	13.6	765.0	230.0		
	950	GORK	46	1139.4	1140.5	14.6	57.0			
	950	GORK		1139.4	1146.5		140.0			
	650	GORK	3	1139.6	1140.4	1.4	26.0			
	4995	ATHN	46	1140.5	1146.2	11.4	410.0	123.0		
	4995	ATHN	46		1146.9		325.0			
	1420	ARCE	46	1140.9	1146.3	21 U				
	1420	ARCE		1140.9	1144.9	4.4				
	1420	ARCE		1145.3	1146.3	16.6U				
	15400	SGMR	47	1141.9	1145.2	13.1	541.0	233.0		
	15400	SGMR	47		1146.4		583.0			
	8800	SGMR	47	1141 U	1145.2	16.7U	391.0	458.4U		
	8800	SGMR	47		1146.4		1146.0			
	4995	SGMR	46	1141 U	1145.3	16 U	250.0	114.0U		
	4995	SGMR	46		1146.4		380.0			
	2695	SGMR	46	1141 U	1145.3	15.5U	102.7	38.2U		
	2695	SGMR	46		1146.4		127.4			
	2695	ATHN	46	1141.3	1145.2	9.9	106.6	40.1		
	2695	ATHN	46		1146.4		133.8			
	1415	SGMR	46	1141	1145.1	15	84.9	27.9		
	1415	SGMR	46		1146.5		93.1			
	1415	ATHN	46	1141.3	1144.8	9.9	80.8	26.5		
	1415	ATHN	46		1146.4		88.4			
	9500	BERL	4	1142	1146.2	38	700.0	204.0		
	9240	ARCE	46	1142.5	1146.4	9.4				
	9240	ARCE		1142.5	1145.2	3.1				
	9240	ARCE		1145.6	1146.4	6.3				
	650	GORK	3	1142	1146	6.5	70.0D			
	200	GORK	24	1142.5	1148.3	39.4	150.0			
	35000	SGMR	47	1144.6	1145.3	7.1	591.2	236.5		
	35000	SGMR	47		1147		389.9			
	9240	ARCE	29	1151.9		26				
	4995	ATHN	29	1151.9	1151.9	25.8	46.1	9.2		
	2695	ATHN	29	1151.2	1151.2	20.1	29.3	5.9		
	1415	ATHN	29	1151.2	1151.2	18.2	28.2	5.6		
	8800	ATHN	29	1152.9	1152.9	24.7	65.2	13.0		
	15400	SGMR	29	1155	1155	32.8	56.5	28.3		
	2695	SGMR	29	1156.5	1156.5	64.5	19.2	9.8		
	1415	SGMR	29	1156	1156	18.5	18.5	9.2		
	8800	SGMR	29	1157.7	1157.7	48.4	26.0	13.0		
	4995	SGMR	29	1157	1157	61	27.5	13.7		
	260	ONDR	45	1200	1207.5	100	110.0			
	7000	SAOP	29	1206.6		49.3				
	536	ONDR	5	1237	1237	.5	40.0			
	2800	OTTA	26	1238	1310	32	-6.6	-4.0		
	9240	ARCE	21	1240	1439.6	172				
	536	ONDR	5	1242	1242	.5	65.0			
	930	BORD	45	1251	1252	2	8.0	2.0		
	29	UPIC	45	1251.5	1252	1				
	1420	ARCE	23	1302 U	1316.8	31 U				
	2695	SGMR	41	1307.2	1316.7	39.2	32.2	9.7		
	9500	BERL	46	1308.5	1316.5	32	58.0			
	4995	ATHN	22	1308.9	1316.8	24.4	57.2	34.3		
	15400	SGMR	41	1309.1	1316.4	17.5	27.1	7.2		
	9240	ARCE	3	1309.4	1309.8	1.2				
	8800	SGMR	41	1309.2	1316.5	18.1	71.2	21.3		
	8800	ATHN	22	1309	1316.5	23.2	99.4	59.6		
	4995	SGMR	41	1309.4	1316.6	26.7	49.6	14.9		
	9240	ARCE	30	1310.6	1311.1	26.3				
	7000	SAOP	45	1312.6	1320.7	18.7	98.2	24.5		
	3000	BERL	46	1314.5	1316.6	16	44.0			
	2800	OTTA	46	1314	1316.8	13	35.0	13.4		
	2800	OTTA		1314	1316.8	7	35.0			
	2800	OTTA		1321	1323.5	6	29.0			
	2695	ATHN	22	1314.9	1316.8	18.5	29.3	17.6		
	1415	SGMR	41	1314.9	1316.4	12.2	31.8	9.0		
	536	ONDR	45	1314.5	1318.5	5.5	70.0			
	9240	ARCE	4	1315.6	1316.7	3				
	1470	BERL	4	1315	1316.4	20	33.0			
	1415	ATHN	4	1315.4	1316.4	3.9	26.3	7.9		
	930	BORD	45	1315	1316.5	5	54.0	7.0		
	808	ONDR	45	1315.5	1315.5	10.5	130.0			
	606	SGMR	41	1315.7	1318.3	12.8	26.1	8.3		
	29	UPIC	45	1315	1317	9				
	1420	ARCE	8	1316.2	1316.3	.5				
	1420	ARCE	1	1318	1318.1	.4				
	536	ONDR	45	1323.5	1323.5	.5	40.0			

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OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
12	2800	OTTA	29	1327	1327	83	7.0	3.5		
	2800	OTTA	20	1514	1516	10	3.0	1.5		
	2800	OTTA	27	1526		28	3.2	2.8		
	2800	OTTA	24	1526	1528	2	3.2	1.6		
	2800	OTTA	24P	1528		21	3.2			
	2800	OTTA	26	1549	1554	5	-3.2	-1.6		
	8800	SGMR	22	1612.9	1621.9	20	17.7	5.3		
	4995	SGMR	22	1613.7	1622.	30.8	8.2	2.5		
	2800	OTTA	22	1614	1619	14	4.6	2.0		
	2695	SGMR	22	1614.8	1619	11.1	3.1	.9		
	15400	SGMR	4	1620.7	1621.9	8.7	10.4	4.2		
	2800	OTTA	26	1630	1715	45	-9.2	-4.6		
	18	MCMA	6	1708	1709	2			2	
	4995	BOUL	8	1725.5	1729	10.5	69.0	26.0		
	15400	SGMR	4	1726.5	1729.3	5	82.1	24.6		
	8800	SGMR	4	1726.7	1729.3	8.8	149.2	44.7		
	7000	SAOP	4	1726.6	1728.9	5	158.0	78.9		
	4995	SGMR	4	1726.3	1729.3	8.7	92.8	27.8		
	2695	SGMR	3	1726.3	1729.4	8.7	62.1	18.6		
	1415	SGMR	3	1726.8	1730.4	8.9	16.0	4.8		
	2695	BOUL	8	1727.5	1731	19	25.0	8.0		
	606	SGMR	40	1727.2	1728.1	6.4	31.2	9.3		
	8800	PALE	3	1728.3	1729.3	8.7	120.0	37.0		
	2800	OTTA	4	1728	1729.3	5.2	65.0	23.2		
	245	SGMR	6	1728.5	1729.1	5.5	79.6	23.9		
	1420	BOUL	21	1729	1729.5	21	12.0	3.0		
	1415	PALE	3	1729	1729.3	8	12.0	3.7		
	15400	SGMR	29	1731.5	1731.5	32.5	7.2	3.5		
	7000	SAOP	29	1731.6		12.2				
	410	SGMR	6	1731.8	1732.4	1.9	31.5	9.5		
	2800	OTTA	30	1733.2	1733.2	50	8.6	3.0		
	2800	OTTA	1	1734.	1734.9	1	4.2	1.4		
	8800	SGMR	29	1735.5	1735.5	29	6.8	3.4		
	4995	SGMR	29	1735	1735	32.4	8.8	4.4		
	2695	SGMR	29	1735	1735	62.5	10.2	5.1		
	1415	SGMR	29	1735.7	1735.7	12.1	3.3	1.5		
	4995	SGMR	22	1855.9	1906.7	29.1	24.4	7.3		
	2695	SGMR	22	1858.5	1907.2	68.5	13.9	4.0		
	8800	SGMR	22	1859.6	1906.8	24	20.3	6.1		
	15400	SGMR	22	1900.5	1907.9	32.9	15.8	4.8		
	7000	SAOP		1900 U		29.1U				CALIBRATION
	4995	BOUL	45	1900	1907	20	20.0	5.0		
	2800	OTTA	45	1900	1907	9	9.4	4.7		
	2695	BOUL	45	1900.5	1908	19.5	10.0	3.0		
	2800	OTTA	29	1909	1909	95	4.4	2.2		
	2800	OTTA	1	1958.3	1958.7	1	4.8	2.4		
	2695	PENT	27A	2205		85	2.4	2.0		
	2695	PENT	24	2205	2209	4	2.4	1.8		
	2695	PENT	24P	2209		50	2.4			
	2695	PENT	1	2233	2233	1	6.2	3.1		
	2695	BOUL	8	2233.5	2234	1.5	7.0	2.0		
	2695	PENT	26	2259	2330	31	-2.4	-1.4		
13	3750	TYKW	45	0445	0527	95	28.0	9.0		
	3750	TYKW		0445	0514.4		70.0			
	9400	TYKW	45	0450	0527	90	29.0	10.0		
	2000	TYKW	45	0450	0526.5	94	20.0	6.0		
	4995	MANI	4	0512.4	0528.2	19.3	27.3	12.7		
	2695	MANI	4	0512.9	0528.3	19.6	25.0	12.0		
	8800	MANI	3	0513.8	0522.4	17.9	36.2	12.7		
	1415	MANI	22	0513	0526.4	20.8	7.2	1.9		
	1000	TYKW	45	0523	0526.2	7	7.0	2.0		
	1420	ARCE	22	0821.8	0935.3	153				
	9240	ARCE	20	0826	0956.2	160				
	6100	KISV	1	0838	0839.5	3	10.0			
	3100	CRIM	46	0840	0935	142	31.0	10.0		
	3100	CRIM		0840	0954		30.0			
	260	ONDR	45	0858	0935	67	65.0			
	930	BORD	45	0901	0902	2	11.0	2.0		
	536	ONDR	45	0902	0902	.5	85.0			
	6100	KISV	20	0908	0934.6	120	25.0			
	3000	BERL	40	0908	0934	232	30.0			
	9500	BERL	20	0915	0954	240	25.0			
	1470	BERL	40	0915	0935	215	22.0			
	510	POTS	45	0920.3	0935.5	25	15.0	2.0		
	930	BORD	45	0922	0927.6	21	34.0	6.0		
	808	ONDR	45	0922.5	0938	21	110.0			
	9100	GORK	22	0923.7	1007 U	96.3D	21.0U			
	188	KIEV	41	0923 E	0934.4	23.8	110.0			
	550	KIEV	41	0929	0935.3	13.5	60.0			
	536	ONDR	45	0930	0935.5	13	75.0			
	8800	ATHN	2	0933.3	0934.6	6.5	9.6	2.9		
	4995	ATHN	4	0933.6	0934.6	6.2	12.5	3.8		
	2695	ATHN	4	0933.5	0935.2	6.1	21.3	6.4		
	1415	ATHN	4	0933.4	0935.7	6.6	20.4	6.1		
	113	POTS	41	0933.3	0934.1	15	600.0	3.0		
	234	POTS	45	0934	0935	1.9	200.0	6.0		
	207	IZMI	6	0934	0935	2.7	340.0			
	930	BORD	5	1001	1005.5	1	37.0	1.0		
	550	KIEV	41	1024	1024.6	6	70.0			

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	260 ONDR	45	1035	1043	9	20.0			
	260 ONDR	45	1054.5	1056	2.5	35.0			
	245 SGMR	44	1058 E	1553.6	663 D	28.1			
	260 ONDR	5	1107	1107	.5	25.0			
	930 BORD	45	1240	1240.6	4	21.0	6.0		
	260 ONDR	5	1331	1331	.5	30.0			
	2800 OTTA	20	1353	1420	67	2.4	1.2		
	2800 OTTA	27	1517		98	1.8	1.5		
	2800 OTTA	24	1517	1532	15	1.8	0.9		
	2800 OTTA	24P	1532		68	1.8			
	2800 OTTA	26	1640	1655	15	-1.8	-0.9		
	2800 OTTA	20	1728	1745	45	2.2	1.2		
	2800 OTTA	27A	1840		135	2.2	2.0		
	2800 OTTA	24	1840	1850	10	2.2	1.4		
	2800 OTTA	24P	1850		106	2.2			
	2800 OTTA	22	1940	1955	40	2.2	1.1		
	2800 OTTA	21	2024	2030	11	2.2	1.1		
	2800 OTTA	1	2024.5	2025	1.5	1.4	0.7		
	2800 OTTA	26	2036	2055	19	-3.4	-1.7		
	2695 PENT	21	2248		40	2.8	1.8		
	2695 PENT	8	2251.9	2251.9		3.4			
	8800 MANI	4	2254	2257.2	5.3	225.0	35.6		
	4995 MANI	4	2254	2257.2	5.5	73.0	22.6		
	9400 TYKW	45	2256	2257	4	195.0	35.0		
	8800 PALE	4	2256	2256.9	9.2	180.0	54.0		
	4995 BOUL	8	2256	2257	3.5	38.0	13.0		
	3750 TYKW	5	2256	2257	3	15.0	4.0		
	2695 MANI	2	2256.3	2257.2	3.6	8.6	2.9		
	2695 PENT	1	2256.9	2257	1	4.0	2.0		
	2695 BOUL	8	2257.5	2258	1.5	7.0	2.0		
	3750 TYKW	29	2259		30	2.0	1.0		
	1420 BOUL	3	2259.5	2300	2	2.0	1.0		
	9400 TYKW	29	2300		35	6.0	3.0		
	1000 TYKW	5	2300	2301	3	5.0	0.8		
	1420 BOUL	3	2306.5	2308.5	3.5	3.0	1.0		
14	2000 TYKW	45	0111	0121	30	3.0	1.0		
	3750 TYKW	45	0119.5	0121.1	7	9.0	2.0		
	9400 TYKW	45	0120	0121.1	4	5.0	2.0		
	930 BORD	5	0739	0739.4	1	34.0	1.0		
	6100 KISV	1	0932	0932.3	1	2.0			
	3100 CRIM	1	0953	0955	20	3.0	1.0		
	260 ONDR	5	1235	1235	.5	35.0			
	260 ONDR	5	1239	1239	.5	40.0			
	2800 OTTA	20	1250	1305	50	2.2	1.4		
	260 ONDR	5	1332	1332	.5	25.0			
	2800 OTTA	27A	1420		110	1.2	1.1		
	2800 OTTA	24	1420	1424	4	1.2	0.6		
	2800 OTTA	24P	1424		96	1.2			
	2800 OTTA	1	1434	1436	4	2.4	1.2		
	9400 HUAN	8	1501.7	1502	.7	18.3	6.3		
	9240 ARCE	3	1501.7	1502	2.3				
	7000 SAOP	1	1501.3	1501.8	1	20.4	10.1		
	930 BORD	5	1501	1501.2	1	38.0	1.0		
	2800 OTTA	1	1506	1508	6	1.8	0.9		
	8800 SGMR	1	1534.8	1535.2	2.6	8.0	1.6		
	4995 SGMR	1	1534.9	1535.2	2.9	2.8	.6		
	2695 SGMR	1	1534.9	1535.2	2.9	6.2	1.2		
	2800 OTTA	8	1535	1535.3	.5	4.6	2.3		
	2800 OTTA	26	1600	1610	10	-1.2	-0.6		
	2800 OTTA	21	1610	1645	210	5.6	2.8		
	606 SGMR	20	1622.3	1625.8	36	3.2	1.9		
	15400 SGMR	20	1623.9	1635.3	34.3	22.6	13.6		
	4995 SGMR	20	1623.9	1625.3	37.1	8.0	4.8		
	1420 BOUL	8	1623.5	1626	4	6.0	2.0		
	2800 OTTA	2	1624	1625.5	3	9.2	4.6		
	2695 BOUL	8	1624.5	1626.5	3.5	10.0	3.0		
	2695 SGMR	20	1624	1625.3	41.4	10.5	6.3		
	1415 SGMR	20	1624.1	1625.6	34.9	8.7	5.2		
	9400 HUAN	20	1625.6	1634.3	31.8	13.1	4.8		
	8800 SGMR	20	1625	1635.5	24.1	18.0	10.8		
	100 HIRA	45	2106	2106.5	1.5	130.0	40.0		
15	3750 TYKW	5	0310	0324	25	2.0	1.0		
	9400 TYKW	5	0315	0330	45	3.0	1.0		
	2000 TYKW	5	0320	0324.7	12	2.0	0.7		
	260 ONDR	5	0757.5	0757.5	.5	20.0			
	9500 BERL	4	0807	0816	104	124.0	11.0		
	4995 MANI	4	0807.8	0816	12.9	275.0	42.3		
	4995 ATHN	4	0807.7	0814.9	9.9	160.7	48.2		
	3000 BERL	4	0807	0816.5	128	101.0	10.0		
	9100 GORK	28	0808	0808	7	14.0	6.2		
	8800 ATHN	4	0808.3	0814.9	8.4	177.7	53.3		
	3100 CRIM	3	0809	0815	95	163.0	54.0		
	1470 BERL	4	0810	0816.4	125	58.0	8.6		
	2695 MANI	4	0811.6	0816	10.4	130.0	30.9		
	2695 ATHN	3	0811.6	0814.9	6	127.7	38.3		
	1415 MANI	4	0812.6	0815.9	9.9	49.0	17.1		
	8800 MANI	4	0813.9	0816	6.8	140.0	43.2		
	1415 ATHN	3	0813	0815	4.7	43.7	13.1		

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15	930	BORD	5	0813	0816	8	16.0	6.0		
	808	ONDR	45	0813	0814.5	7	60.0			
	606	MANI	2	0814.6	0817.3	5.6	5.6	1.1		
	260	ONDR	45	0814.5	0814.5	1	15.0			
	9100	GORK	3	0815	0815.5	2.5	59.0	29.0		
	8800	ATHN	29	0816.7	0816.7	18.5	31.0	9.3		
	9100	GORK	29	0817.5	0817.5	27.5	31.0	6.2		
	4995	ATHN	29	0817.6	0817.6	18.2	31.2	9.4		
	2695	ATHN	29	0817.6	0817.6	16.6	24.7	7.4		
	1415	ATHN	29	0817.7	0817.7	15.6	13.4	4.0		
	3100	CRIM	1	0926	0927	2	3.0	1.0		
	260	ONDR	45	0945.5	0947.5	2.5	15.0			
	207	IZMI	48	1050.5	1051.5	2.8	3400.0	1280.0		
	550	KIEV	41	1113.5	1119.7	8	103.0			
	9240	ARCE	20	1226.6	1227.1	24				
	7000	SAOP	1	1227.9	1228.1	.4	11.4	5.7		
	1470	BERL	3	1228	1233.2	16	6.4	2.2		
	3100	CRIM	3	1229	1233	12	7.0	2.0		
	9500	BERL	20	1230	1239	16	6.6			
	4995	SGMR	20	1230.6	1233	27.9	10.1	3.0		
	3000	BERL	1	1230	1233	13	4.4	1.5		
	2800	OTTA	21	1230	1238	20	2.0	1.0		
	8800	SGMR	20	1231.3	1236.2	27.6	10.9	3.3		
	2800	OTTA	2	1231.8	1233	4	5.2	1.5		
	2695	SGMR	20	1231.4	1233	17.7	7.0	2.1		
	1420	ARCE	20	1231.3	1232.7	10.4				
	1415	SGMR	20	1231.4	1233	11.7	5.4	1.6		
	7000	SAOP	20	1235.5		3.8	7.6			
	7000	SAOP	20	1239.3		7	7.6			
	550	KIEV	41	1321.5	1321.7	5.7	36.0			
	9400	HUAN	45	1323.7	1325.2	3.6	377.6	193.1		
	9400	HUAN		1323.7	1325.5		716.6			
	8800	SGMR	47	1323.7	1325.6	7.3	1063.0	318.9		
	7000	SAOP	3	1323.3		6.9	365.9D			SATURATED
	4995	SGMR	47	1323.1	1325.6	7.7	634.0	190.2		
	4995	ATHN	47	1323.4	1325.7	24.3	576.0U	173.0U		
	2695	SGMR	4	1323.6	1326.1	8.1	235.8	70.7		
	15400	SGMR	47	1324.2	1325	6.8	630.0	189.0		
	9500	BERL	3	1324.2	1325.5	73	852.0	83.0		
	9240	ARCE	3	1324.6	1325.7	6.9				
	8800	ATHN	47	1324.3	1325.7	22.6	790.0U	237.0U		
	3000	BERL	3	1324.7	1325.8	78	332.0	87.0		
	2695	ATHN	4	1324.6	1326	17.2	210.0U	63.0U		
	1470	BERL	3	1324.7	1326.3	62	63.0	8.6		
	1415	SGMR	4	1324.1	1325.7	8.9	80.4	24.1		
	1415	ATHN	46	1324.3	1326.2	36.7	49.7U	15.0U		
	1415	ATHN	46		1326.9		49.7U			
	606	SGMR	4	1324	1324.1	1.8	82.2	24.7		
	2800	OTTA	3	1325	1326	7	224.0	68.0		
	1420	ARCE	4	1325	1326.7	4.8				
	930	BORD	45	1325	1326	9	312.0	6.0		
	808	ONDR	45	1325.5	1325.5	2.5	210.0			
	536	ONDR	45	1325	1326.5	2.5	35.0			
	9400	HUAN	29	1327.3	1327.3	44	48.2	17.9		
	7000	SAOP	30	1330.2		64.8				
	7000	SAOP	29	1330.2		64.8				
	4995	SGMR	30	1330.8	1330.8	115.2	29.4	17.6		
	1420	ARCE	29	1330.2		28 U				
	15400	SGMR	29	1331	1331	53.6	21.3	12.8		
	9240	ARCE	29	1331.5		66 D				
	8800	SGMR	30	1331	1331	43.1	29.6	17.8		
	2695	SGMR	30	1331.7	1331.7	103.4	16.2	9.7		
	2800	OTTA	29	1332	1332	82	20.0	10.0		
	1415	SGMR	29	1333	1333	79.1	7.2	4.3		
	8800	SGMR	4	1336.8	1337.2	1.9	14.0	4.2		
	7000	SAOP	4	1336.9	1337.5	2.3	23.0	11.4		
	4995	SGMR	2	1337	1337.4	1.5	8.7	2.6		
	2695	SGMR	2	1337.2	1337.4	1.9	3.3	1.0		
	2800	OTTA	20	1628	1636	47	2.2	1.1		
	2695	BOUL	8	1713	1713.5	2	5.0	2.0		
	2695	BOUL	3	1717.5	1718.5	2.5	3.0	1.0		
	2800	OTTA	27F	1722		62	1.6	1.5		
	2800	OTTA	24	1722	1725	3	1.6	0.8		
	2800	OTTA	24P	1725		55	1.6			
	2800	OTTA	26	1820	1824	4	1.6	0.8		
	2800	OTTA	20	1845	1853	45	2.8	1.4		
	8800	SGMR	22	1849.7	1853.7	16.7	12.2	3.7		
	4995	SGMR	22	1849.6	1853.6	18.4	5.2	1.6		
	2695	SGMR	2	1849.6	1853.6	9.9	5.8	1.7		
	2695	SGMR	20	1939.6	1947.4	32.4	2.9	1.7		
	2800	OTTA	20	1940	1942	51	3.2	1.6		
	15400	SGMR	3	2010.3	2011.7	3.6	11.6	3.5		
	8800	SGMR	3	2011.1	2011.3	4.2	26.5	7.8		
	8800	PALE	4	2011	2011.7	5	26.0	7.7		
	4995	SGMR	3	2011.2	2011.5	1.4	12.0	3.6		
	2800	OTTA	32	2058	2125	80	-2.4	-1.2		
16	9400	TYKW	5	0003	0003.9	3	40.0	8.0		
	8800	PALE	4	0003	0003.8	4.6	46.0	14.0		
	3750	TYKW	45	0020	0032.9	150	26.0	3.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
16	3750	TYKW		0020	0156		10.0			
	9400	TYKW	45	0025	0156	120	10.0	3.0		
	9400	TYKW		0025	0036		5.0			
	1415	MANI	2	0030.7	0033.4	3.7	5.6	1.5		
	606	MANI	4	0030.7	0032.9	3.9	34.3	7.8		
	4995	MANI	4	0031.3U	0033.4U	3.1U	12.0U	4.6U		WX
	2695	MANI	4	0031.3	0032.9	3.1	19.4	9.7		
	2000	TYKW	45	0031	0033.3	25	15.0	3.0		
	1415	PALE	4	0031.2	0033.3	16.1	7.1	2.1		
	1000	TYKW	45	0031	0032.9	15	14.0	2.0		
	2930	VORO	4	0032	0034	18	20.0			
	2000	TYKW	45	0115	0142.2	90	8.0	2.0U		
	6100	KISV	1	0646	0648.8	29	5.0			
	6100	KISV	24	0720	0735	72	4.0			
	6100	KISV	20	0833	0948	130	14.0			
	3100	CRIM	20	0839	0907	98	6.0	2.0		
	9100	GORK	20	0848	0946		10.2			
	9240	ARCE	21	1240.6	1307.9	124				
	8800	ATHN	4	1256.6	1302.8	8.1	85.8	25.7		
	4995	ATHN	45	1256.7	1301.9	8.1	108.1	32.4		
	4995	ATHN	45		1302.8		108.1			
	2695	ATHN	4	1257.8	1302.8	7.3	67.2	20.1		
	7000	SAOP	45	1258.2	1303	12.5	154.5	57.6		
	4995	SGMR	46	1258.2	1302	31.7	69.3	20.8		
	4995	SGMR	46		1302.9		68.5			
	3000	BERL	4	1258.5	1303	32	71.0	14.0		
	2800	OTTA	21	1258	1405	140	4.4	2.2		
	2800	OTTA	46	1258	1303	32	79.0	16.0		
	2800	OTTA		1258	1303	8	79.0			
	2800	OTTA		1306	1307	24	40.0			
	1415	ATHN	4	1258.8	1302.8	17	7.0	2.1		
	9500	BERL	46	1259	1303	14	55.0	13.0		
	9400	HUAN		1259.5		25.9				
	8800	SGMR	46	1259.7	1301.3	30.6	27.1	15.0		
	8800	SGMR	46		1302.8		50.0			
	3100	CRIM	3	1259	1303	15 D	83.0D			
	2695	SGMR	46	1259.6	1301.8	31	51.3	18.2		
	2695	SGMR	46		1302.9		60.8			
	1470	BERL	4	1259	1304	24	10.0	3.4		
	1420	ARCE	22	1259.4	1303.9	21				
	1415	SGMR	22	1259.2	1303.9	36.1	9.3	5.6		
	9240	ARCE	4	1301	1303	5				
	8800	ATHN	30	1304.7	1304.7	19	14.0	4.2		
	4995	ATHN	30	1304.8	1304.8	22.8	11.8	3.5		
	8800	ATHN	4	1305.9	1307	2.9	17.5	5.3		
	4995	ATHN	4	1305.9	1306.9	1.9	19.3	5.8		
	2695	ATHN	30	1305.1	1305.1	16.8	16.8	5.0		
	2695	ATHN	4	1305.9	1307	3.8	15.6	4.7		
	7000	SAOP	29	1310.7		22.8U				
	2800	OTTA	20	1817	1819	23	1.4	0.7		
	2800	OTTA	21	1843	1845	16	3.0	1.5		
	2695	SGMR	20	1843.2	1844.9	16	4.5	1.4		
	1415	PALE	4	1843.8	1844.6	2.5	11.0	3.3		
	606	SGMR	2	1843.4	1844.3	1.4	3.0	.9		
	1420	BOUL	8	1844	1844.5	3	7.0	2.0		
	1415	SGMR	2	1844.2	1844.6	1.6	9.7	2.9		
	2800	OTTA	8	1845	1845		4.6			
	2800	OTTA	20	1920	2055	150	2.8	1.4		
	200	HIRA	45	2310.2	2310.5	1	200.0	40.0		
	100	HIRA	45	2310.3	2310.5U	1.3	95.0D	60.0D		
17	3750	TYKW	5	0400	0416.5	90	13.0	5.0		
	2000	TYKW	5	0400	0417	90	8.0	3.0		
	9400	TYKW	5	0412	0421	70	10.0	5.0		
	8800	ATHN	4	0436.3	0439.2	5	273.9U	82.2U		
	4995	ATHN	46	0436.2	0436.8	5	255.3U	76.6U		
	4995	ATHN	46		0439.2		241.3U			
	2695	ATHN	46	0436.2	0436.7	5	202.8U	60.8U		
	2695	ATHN	46		0439.2		132.6U			
	1415	ATHN	46	0436.2	0436.7	5.1	184.9U	55.5U		
	1415	ATHN	46		0439.2		124.6U			
	29	UPIC	45	0633.5	0635	2				
	260	ONDR	5	0750.5	0750.5	.5	15.0			
	221	ABST	6	0750.2	0750.5	.5	48.0			
	207	IZMI	6	0750.3	0750.5	.8	370.0	90.0		
	113	POTS	41	0750.2	0750.8	8.4	350.0	7.0		
	29	UPIC	5	0750.5	0751	1				
	260	ONDR	5	0758.5	0758.5	.5	15.0			
	930	BORD	40	0853	0855.5	3	9.0	2.0		
	100	GORK	41	0925.2	0925.6	1.5	30.0			
	100	GORK		0925.2	0926.2		30.0			
	100	GORK	41	1209.5	1210.2	1.3	50.0			
	100	GORK		1209.5	1210.4		50.0			
	2800	OTTA	1	1750.8	1751.5	2	1.2	0.6		
	2800	OTTA	20	1906	1909	10	1.0	0.5		
	2800	OTTA	20	1955	2010	35	1.2	0.6		
	2695	PENT	20	2212	2247	43	1.2	0.6		
18	3750	TYKW	45	0354	0357.8	6	6.0	3.0		
	2000	TYKW	45	0354	0356.4	6	4.0	2.0		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
	4995	MANI	2	0355.5	0358.2	6	2.9	1.0		
	2695	MANI	1	0355.5	0356.4	6	4.3	2.1		
	1415	MANI	1	0355.5	0356.6	6	2.0	1.0		
	3750	TYKW	29	0400		120	2.0	1.0		
	2000	TYKW	29	0400		120	2.0	1.0		
	3100	CRIM	24	0622	0633	64	8.0	3.0		
	4995	MANI	20	0629.3	0631.5	11.1	9.7	2.9		
	4995	ATHN	1	0629.9	0631.1	7.4	8.2	2.5		
	2695	MANI	1	0629.4	0631	7.9	6.4	2.1		
	2695	ATHN	1	0629.9	0631.3	7.2	8.0	2.4		
	2000	TYKW	45	0629	0630.6	11	8.0	2.0		
	1415	MANI	2	0629	0631	6.7	8.2	2.0		
	1415	ATHN	3	0629.6	0630.9	13.7	11.0	3.3		
	8800	ATHN	1	0630.4	0631.2	6.3	5.8	1.8		
	606	MANI	2	0630.5	0630.8	1.1	3.4	1.1		
	3100	CRIM	26	0726	0730		3.0			
	260	ONDR	45	1114	1116	2.5	90.0			
	2800	OTTA	20	2110	2128	70	2.4	1.0		
	606	SGMR	2	2125.3	2125.3	9.4	2.9	.9		
	1415	SGMR	2	2126.2	2128.3	7.4	3.0	.9		
19	2000	TYKW	45	0044	0059	145	7.0	3.0		
	2000	TYKW		0044	0051.6		5.0			
	3750	TYKW	45	0045	0051.5	145	7.0	3.0		
	3750	TYKW		0045	0130		7.0			
	4995	MANI	20	0049.2	0051.5	21.3	7.8	2.9		
	2695	MANI	3	0049	0051.6	19	11.0	5.0		
	3100	CRIM	20	0612	0757	164	4.0	1.0		
	3000	BERL	21	1102.5	1112.5	30	7.4	1.5		
	1470	BERL	3	1108	1113	12	4.9	1.5		
	260	ONDR	5	1115	1115	.5	15.0			
	260	ONDR	5	1218.5	1218.5	.5	15.0			
	260	ONDR	45	1227	1227	1	15.0			
	260	ONDR	45	1237	1237	1	15.0			
	2800	OTTA	1	1543	1544	6	1.4	0.7		
	18	MCMA	41	1712	1715	3			1	
	245	SGMR	6	2102	2110.3	28.3	14.8	4.5		
	606	SGMR	1	2109.4	2110.3	1.6	1.3	.4		
	410	SGMR	6	2109.7	2110.3	2.7	9.9	3.0		
20	3100	CRIM	24	0557	0714		5.0			
	260	ONDR	45	0827	0827.5	2	50.0			
	207	IZMI	6	0827.5	0827.5	.5	370.0	120.0		
	200	GORK	6	0827.9	0828.1	.5				
	113	POTS	45	0827.4	0827.9	.3	100.0	25.0		
	260	ONDR	45	1158	1159	2	100.0			
	234	POTS	45	1159	1159.1	.5	100.0	10.0		
	18	MCMA	6	1452	1453	2			1	
	18	MCMA	6	1521	1523	3			1	
	18	MCMA	6	1710	1712	3			1	
	200	HIRA	45	2140.8	2141	2	100.0	20.0		
21	188	KIEV	48	0700 E	0722.5	69	74.0			
22	207	IZMI	48	1017	1028.5	22	1440.0	500.0		
	930	BORD	40	1232	1232.8	1	14.0	2.0		
23	3100	CRIM	20	0645	0911	152	5.0	2.0		
	2800	OTTA	2	1326.1	1327	2	4.4	2.2		
	18	MCMA	42	1700	1712	14			1	
	100	HIRA	45	2056.7	2057.4	1	260.0	100.0		
24	3100	CRIM	24	0605	0737		6.0			
	18	MCMA	6	1730	1733	4			1	
25	3100	CRIM	20	0700	0722	30	4.0	1.0		
	18	MCMA	41	1732	1737	7			2	
26	18	MCMA	6	1939	1940	2			1	
27	930	BORD	40	1227	1227	2	12.0	2.0		
	18	MCMA	41	1709	1710	7			1	
28	3100	CRIM	24	0635	0827		4.0			
	260	ONDR	5	1028	1028	.5	20.0			
	260	ONDR	45	1101.5	1101.5	4.5	20.0			
	260	ONDR	45	1117.5	1132	15.5	15.0			
	18	MCMA	6	1534	1535	2			2	
29	18	MCMA	6	1312	1314	3			1	
	18	MCMA	6	1337	1338	2			1	
	18	BOUL	6	2104	2108	5			2	
	18	BOUL	6	2111	2115	6			2	
31	18	MCMA	41	1330	1332	3			1	
	2800	OTTA	21	1540	1610	315	8.0	3.0		
	9400	HUAN	20	1542.2	1611.7	101.6	37.5	17.4		
	4995	SGMR	22	1542.9	1546.2	48.6	20.0	6.0		
	2695	BOUL	45	1542	1546.5	20.5	30.0	9.0		
	2695	SGMR	4	1542.4	1545.6	42.7	26.9	8.1		

SOLAR RADIO EMISSION
OUTSTANDING OCCURRENCES

OCTOBER 1974

OCT 1974	FREQUENCY	STATION	TYPE	STARTING TIME UT	TIME OF MAXIMUM UT	DURATION MINUTES	FLUX DENSITY 10^{-22} Wm^{-2} Hz^{-1} PEAK	FLUX DENSITY MEAN	INT	REMARKS
31	1415	SGMR	4	1542	1546.1	7.3	21.2	6.4		
	606	SGMR	22	1542.8	1547.4	21.5	6.6	2.0		
	15400	SGMR	20	1543.4	1608.5	44.8	39.2	11.8		
	8800	SGMR	20	1543.3	1550.2	47.7	15.2	4.6		
	4995	BOUL	45	1543.5	1545.5	11.5	22.0	6.0		
	2800	OTTA	46	1543	1546	20	29.0	12.0		
	1420	BOUL	45	1543	1545.5	20.5	12.0	2.0		
	410	SGMR	6	1546.3	1549.5	5.3	7.8	2.3		
	245	SGMR	41	1546.5	1548.6	22.9	10.8	3.2		

Observatories:

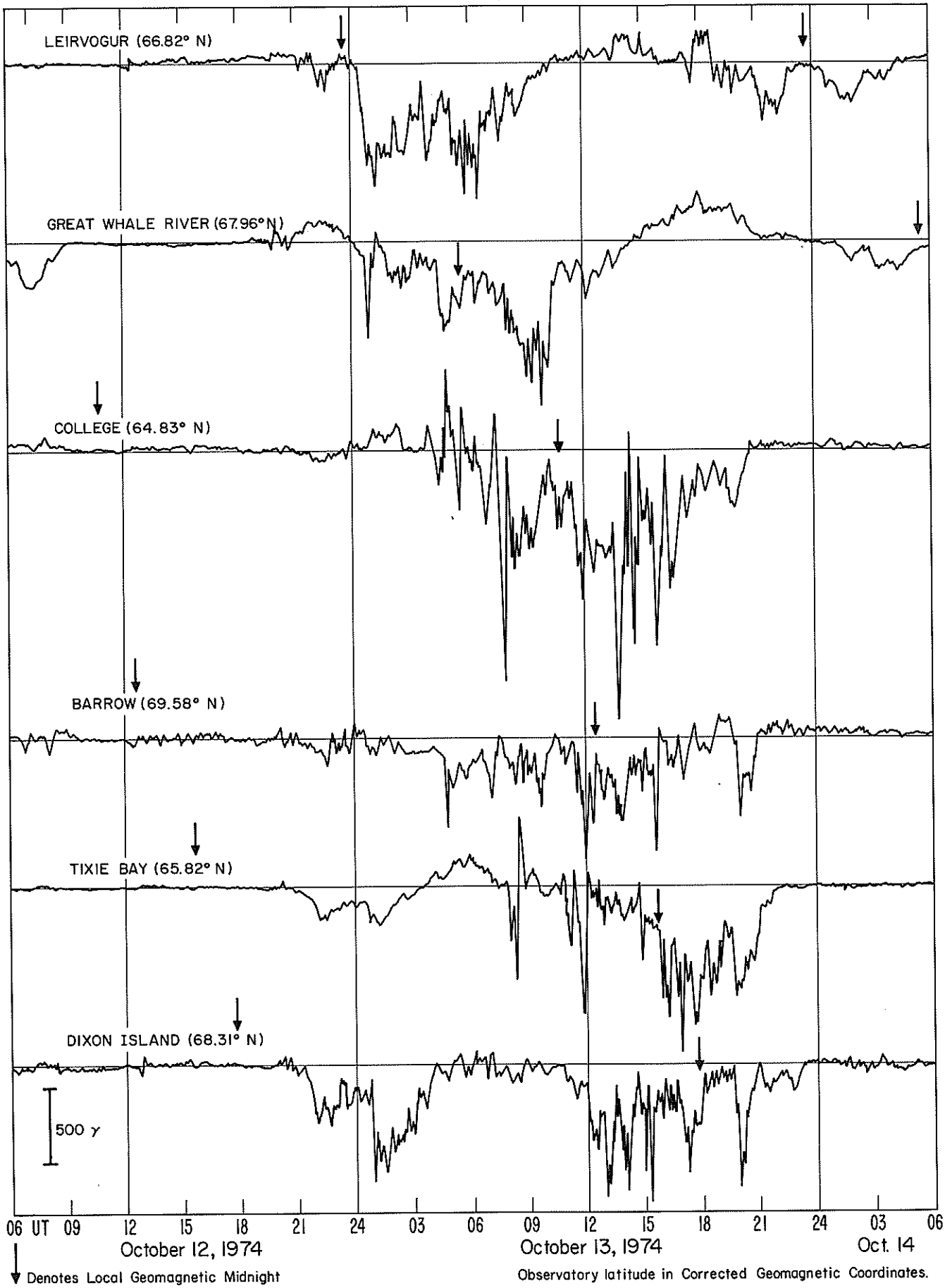
ABST = Abastumani
ARCE = Arcetri
BERL = Berlin-Adlershof
BERN = Berne
BORD = Bordeaux
BOUL = Boulder
CANR = Canary Islands
CRIM = Simferopol
CRON = Carnarvon
DWIN = Dwingeloo
GORK = Gorky
HIRA = Hiraiso
HUAN = Huancayo
IRKU = Irkutsk
IZMI = Moscow IZMIRAN
KIEV = Kiev
KISV = Kislovodsk
MANI = Manila
MCMA = McMath-Hulbert
ONDR = Ondrejov
OTTA = Ottawa ARO
PENN = Penn. State Univ.
PENT = Penticton
POTS = Potsdam
SAOP = Sao Paulo
SGMR = Sagamore Hi
SLOU = Slough
TRST = Trieste
TYKW = Toyokawa
UPIC = Upice
VORO = Voroshilov

Explanation of Type Code:

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

H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS

OCTOBER 12-14, 1974

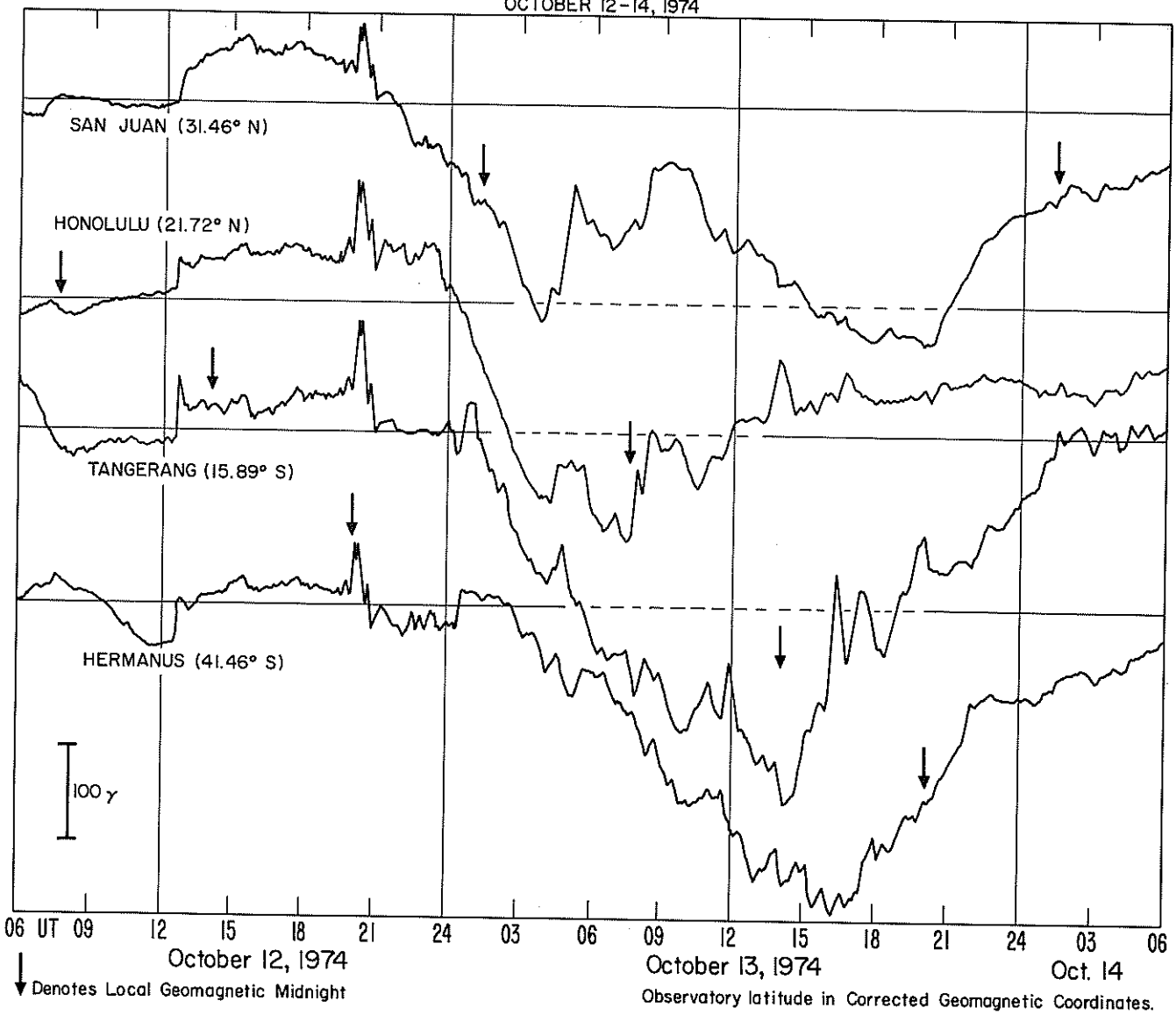


▼ Denotes Local Geomagnetic Midnight

Observatory latitude in Corrected Geomagnetic Coordinates.

H-COMPONENT MAGNETOGRAMS OF GEOMAGNETIC STORMS

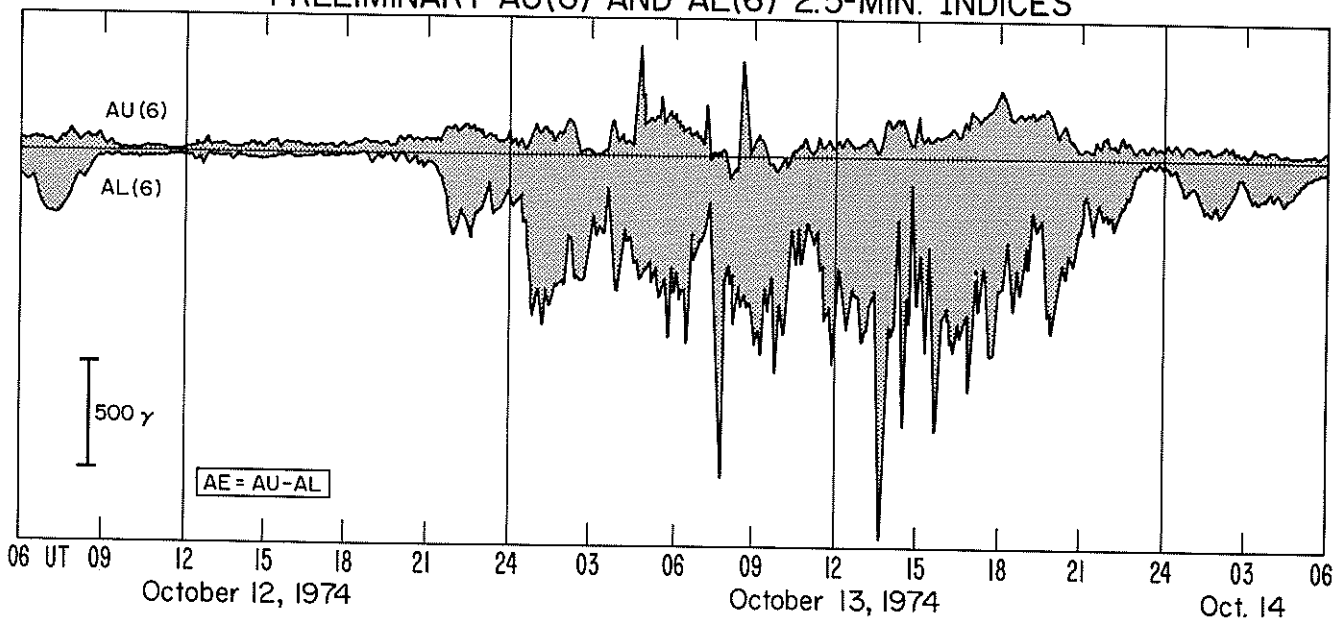
OCTOBER 12-14, 1974



▼ Denotes Local Geomagnetic Midnight

Observatory latitude in Corrected Geomagnetic Coordinates.

PRELIMINARY AU(6) AND AL(6) 2.5-MIN. INDICES

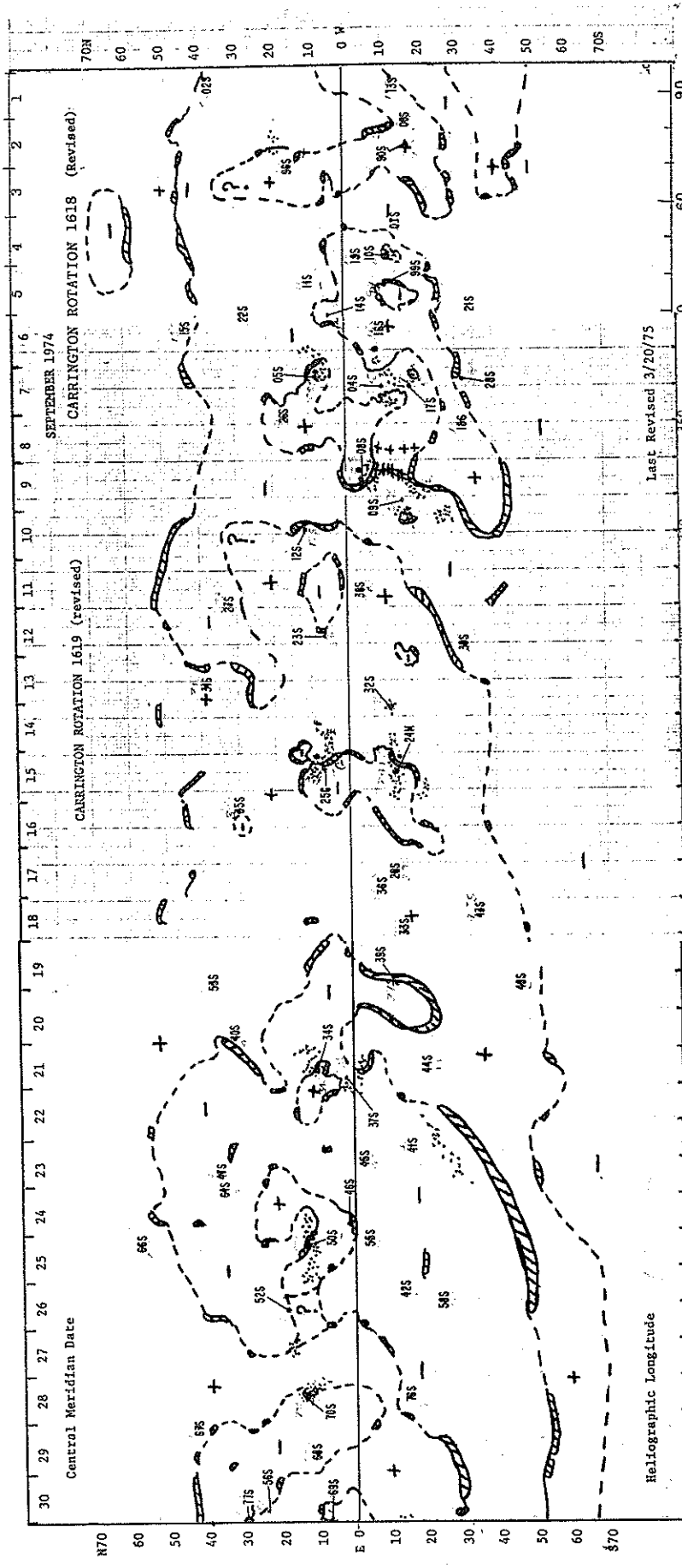


SEPTEMBER 1974 DATA

Contents

ABBREVIATED CALENDAR RECORD

SEPTEMBER 1974



Sep. 1, 1974

		00 UT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FLARES																										
Bursts	cm																									
	dm								I																	
	m								I																	
	Dkm																									
SID																										
X-Rays																										
Ap 24	Kp	3+				5o			3+			3+			4+			3o			3o			4o		
	sc																									
Aurora	USSR																									
	W.E.																									
Cosmic Rays																										

Green Corona: E. Limb 7 days earlier: NE- | SE- | W. Limb 7 days later: NW- | SW-

Indices: Rz: 8 (final) | 10cm flux: 76 | Flare: 0/20.5 | Ca: 1.4 | Ip: 0 | Ia: 4

Solar Regions: (13213) S13 | (13202) N37

Sunspots

Sep. 2, 1974

		00 UT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FLARES																										
Bursts	cm																									
	dm																									
	m																									
	Dkm																									
SID																										
X-Rays																										
Ap 32	Kp	5-				3+			4+			5-			3-			3+			5-			5+		
	sc																									
Aurora	USSR																									
	W.E.																									
Cosmic Rays																										

Green Corona: E. Limb 7 days earlier: NE- | SE- | W. Limb 7 days later: NW- | SW-

Indices: Rz: 8 | 10cm flux: 78 | Flare: 0/17.3 | Ca: no data | Ip: 0 | Ia: 5

Solar Regions: (13200) S17 | (13190) S17

Sunspots

Sep. 3, 1974

		00 UT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FLARES																										
Bursts	cm																									
	dm																									
	m																									
	Dkm																									
SID																										
X-Rays																										
Ap 16	Kp	4-				3+			3+			3+			3-			3o			3+			2+		
	sc																									
Aurora	USSR																									
	W.E.																									
Cosmic Rays																										

Green Corona: E. Limb 7 days earlier: NE- no data | SE- no data | W. Limb 7 days later: NW- | SW-

Indices: Rz: 16 | 10cm flux: 78 | Flare: 0/23.4 | Ca: 4.5 | Ip: 2 | Ia: 4

Solar Regions: (13196) N15

Sunspots

Sep. 4, 1974

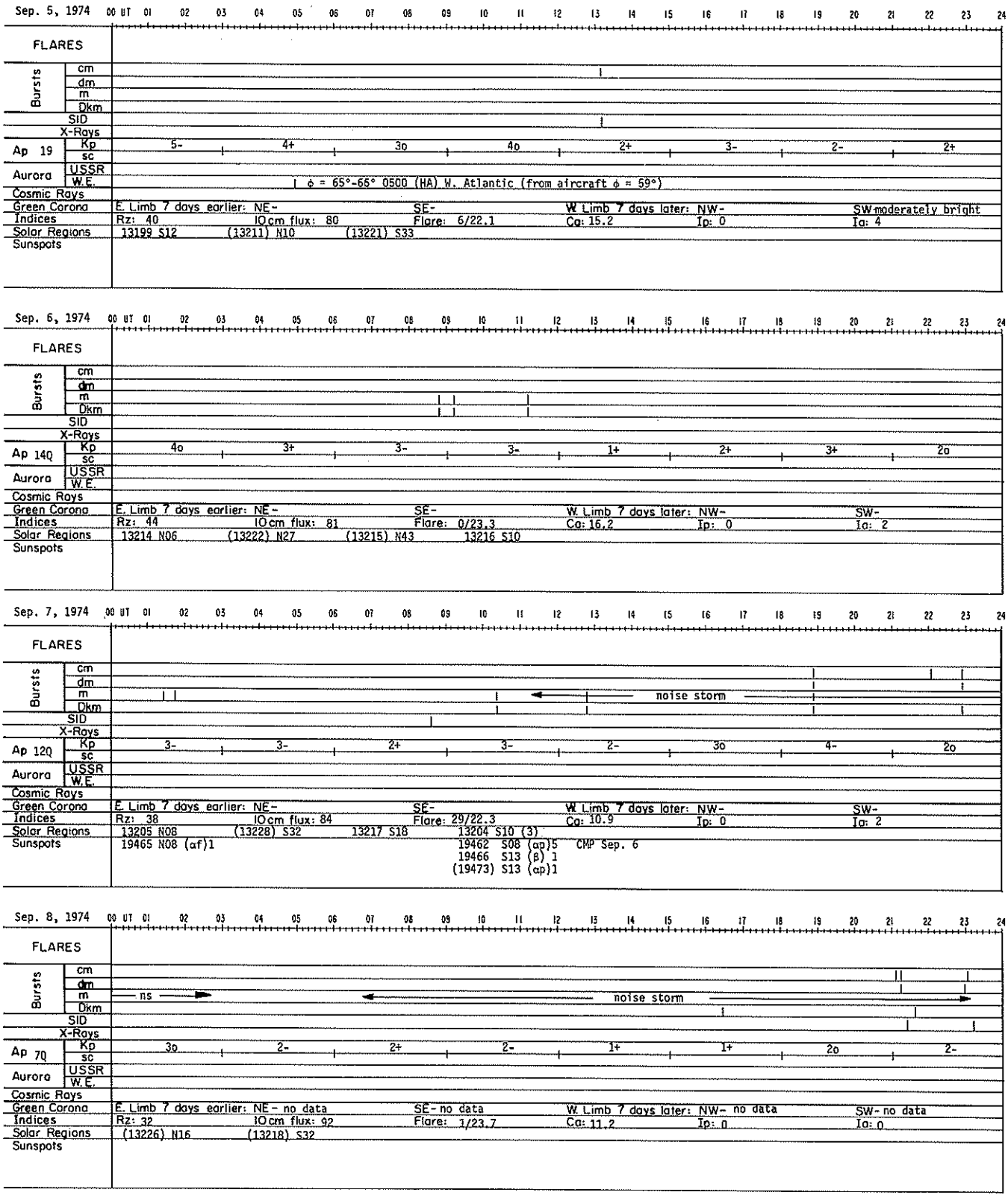
		00 UT	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FLARES																										
Bursts	cm																									
	dm																									
	m																									
	Dkm																									
SID																										
X-Rays																										
Ap 20	Kp	3+				3+			3o			2+			2+			2-			5-			6o		
	sc																									
Aurora	USSR																									
	W.E.																									
Cosmic Rays																										

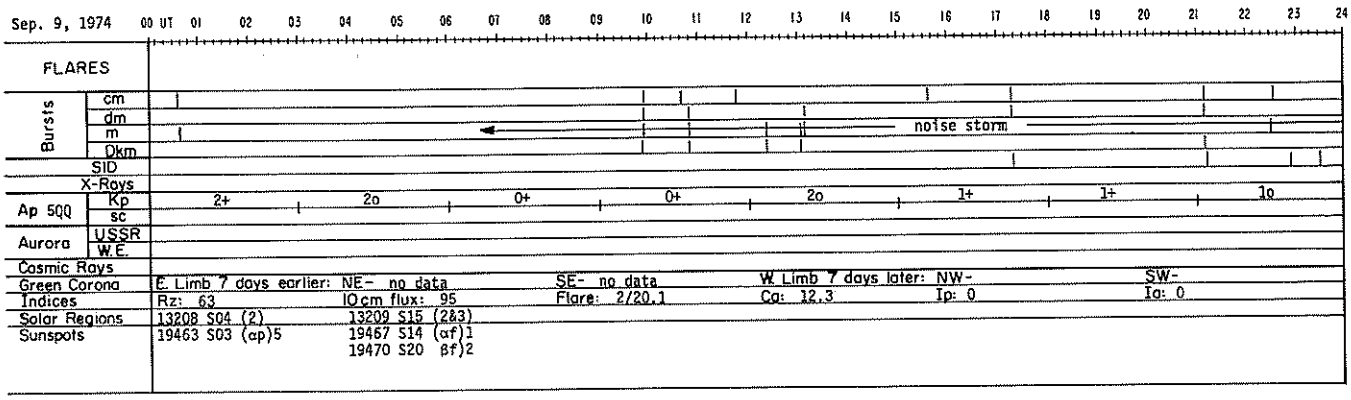
Green Corona: E. Limb 7 days earlier: NE- | SE-moderately bright | W. Limb 7 days later: NW- no data | SW- no data

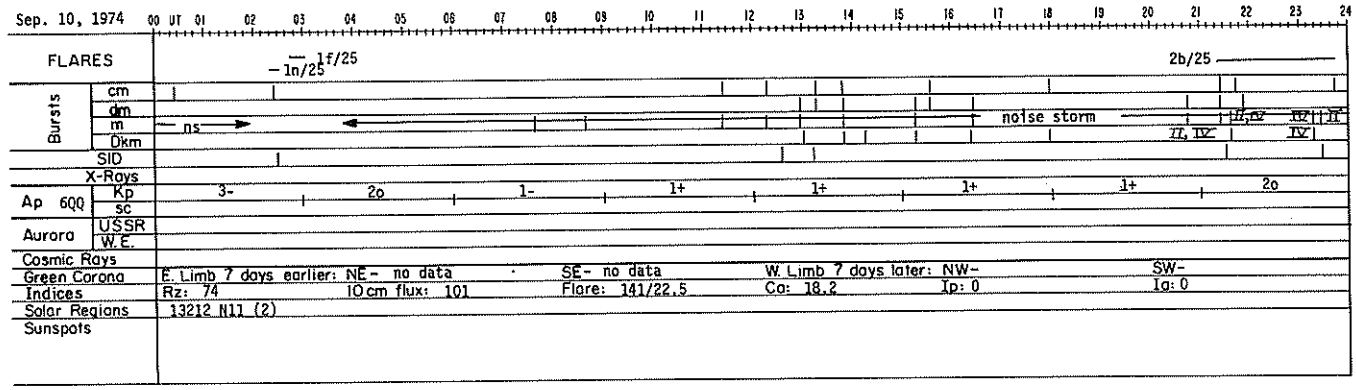
Indices: Rz: 37 | 10cm flux: 80 | Flare: 0/23.4 | Ca: 9.4 | Ip: 0 | Ia: 4

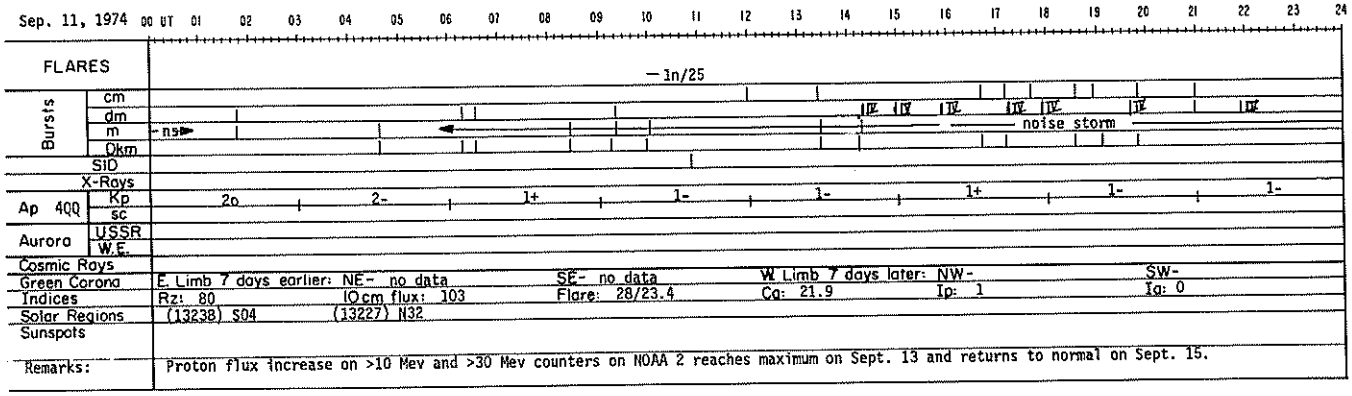
Solar Regions: (13207) S14 | 13210 S12 | (13219) S03

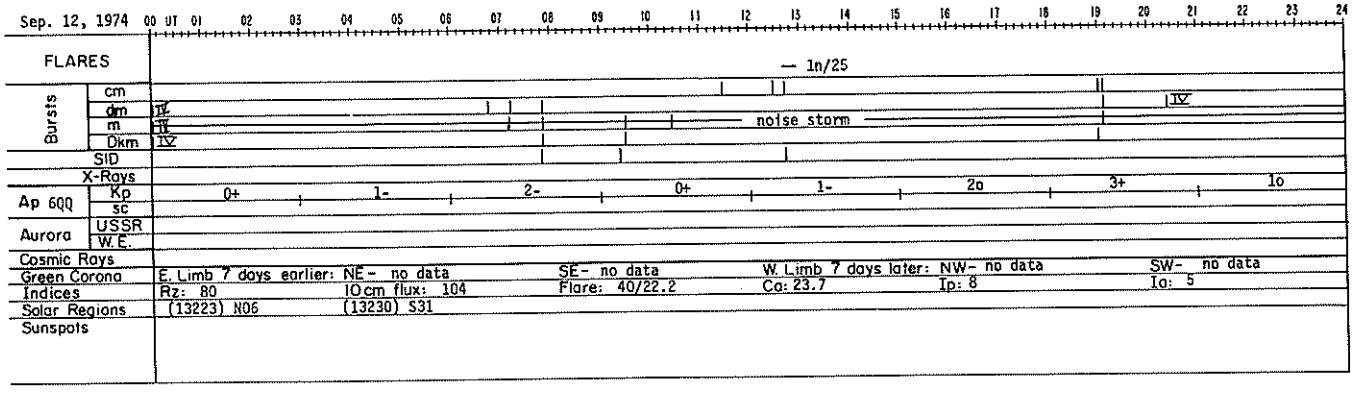
Sunspots: 19464 S12 (βp)2

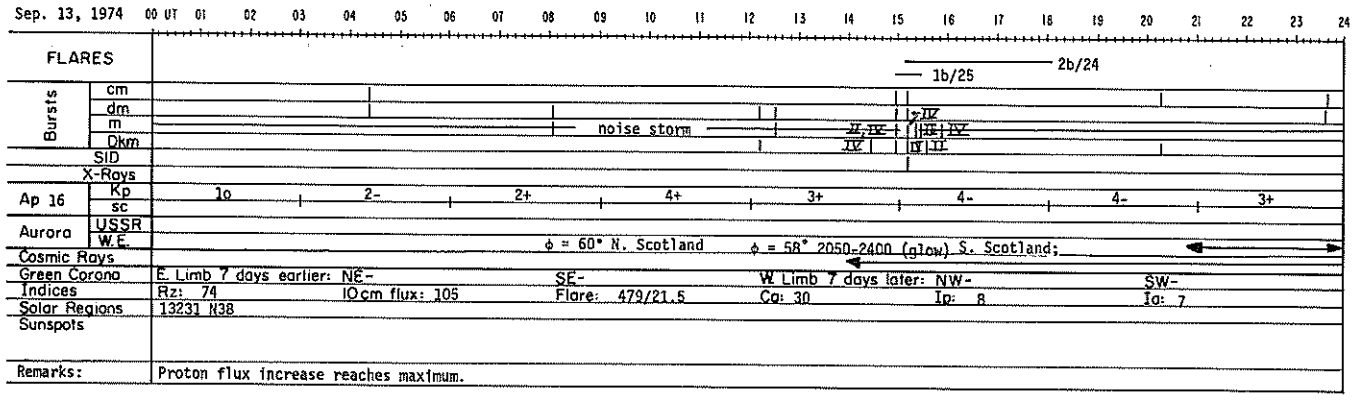

Sep. 5, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 19
Kp
sc
5- 4+ 3o 4o 2+ 3- 2- 2+
Aurora
USSR
W.E.
φ = 65°-65° 0500 (HA) W. Atlantic (from aircraft φ = 59°)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW moderately bright
Indices
Rz: 40 10cm flux: 80 Flare: 6/22.1 Ca: 15.2 Ip: 0 Ia: 4
Solar Regions
13199 S12 (13211) N10 (13221) S33
Sunspots
Sep. 6, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 14Q
Kp
sc
4o 3+ 3- 3- 1+ 2+ 3+ 2o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 44 10cm flux: 81 Flare: 0/23.3 Ca: 16.2 Ip: 0 Ia: 2
Solar Regions
13214 N06 (13222) N27 (13215) N43 13216 S10
Sunspots
Sep. 7, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 12Q
Kp
sc
3- 3- 2+ 3- 2- 3o 4- 2o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 38 10cm flux: 84 Flare: 29/22.3 Ca: 10.9 Ip: 0 Ia: 2
Solar Regions
13205 N08 (13228) S32 13217 S18 13204 S10 (3)
Sunspots
19465 N08 (af)1
19462 S08 (ap)5 CMP Sep. 6
19466 S13 (β) 1
(19473) S13 (ap)1
Sep. 8, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
ns
noise storm
SID
X-Rays
Ap 7Q
Kp
sc
3o 2- 2+ 2- 1+ 1+ 2o 2-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- no data SW- no data
Indices
Rz: 32 10cm flux: 92 Flare: 1/23.7 Ca: 11.2 Ip: 0 Ia: 0
Solar Regions
(13226) N16 (13218) S32
Sunspots

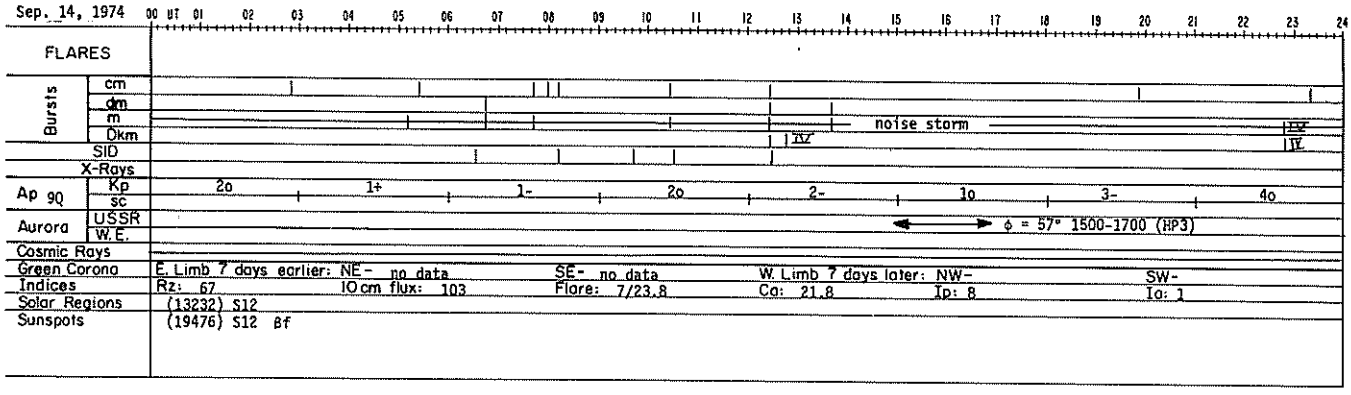

Sep. 9, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 5QQ
Kp
sc
2+ 2o 0+ 0+ 2o 1+ 1+ 1o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- no data
SE- no data
W. Limb 7 days later: NW-
SW-
Rz: 63
10cm flux: 95
Flare: 2/20.1
Ca: 12.3
Ip: 0
Ia: 0
13208 S04 (2)
13209 S15 (2&3)
19463 S03 (ap)5
19467 S14 (af)1
19470 S20 βf)2

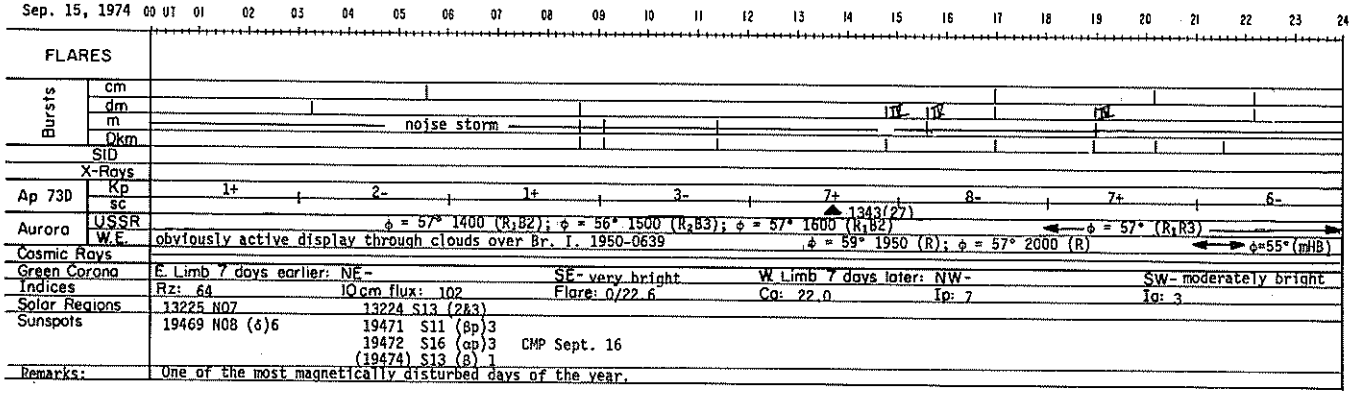

Sep. 10, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1n/25
1f/25
2b/25
Bursts
cm
dm
m
Dkm
ns
noise storm
SID
X-Rays
Ap 6QQ
Kp
sc
3- 2o 1- 1+ 1+ 1+ 1+ 2o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- no data
SE- no data
W. Limb 7 days later: NW-
SW-
Rz: 74
10cm flux: 101
Flare: 141/22.5
Ca: 18.2
Ip: 0
Ia: 0
13212 N11 (2)

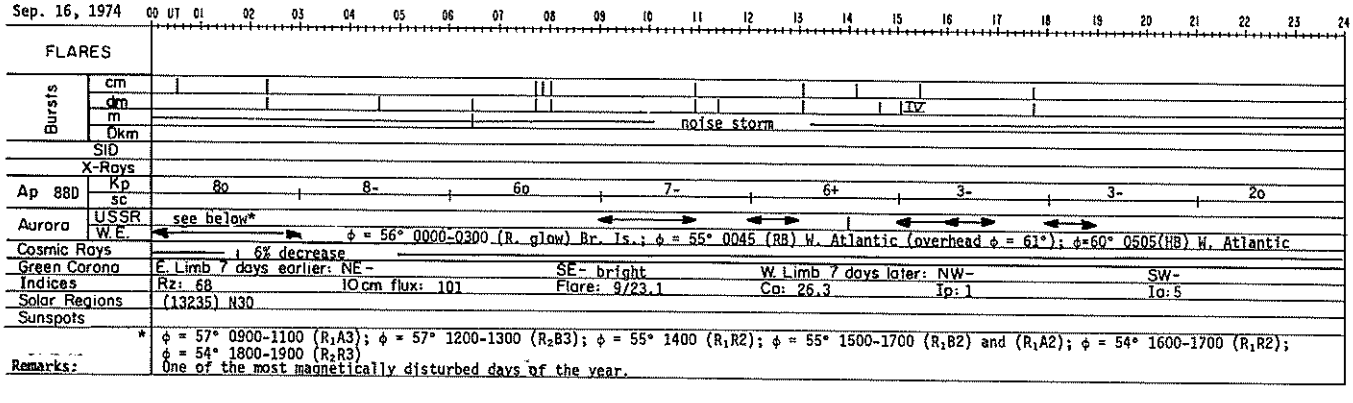

Sep. 11, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1n/25
Bursts
cm
dm
m
Dkm
ns
noise storm
SID
X-Rays
Ap 4QQ
Kp
sc
2o 2- 1+ 1- 1- 1+ 1- 1-
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
Remarks:
E. Limb 7 days earlier: NE- no data
SE- no data
W. Limb 7 days later: NW-
SW-
Rz: 80
10cm flux: 103
Flare: 28/23.4
Ca: 21.9
Ip: 1
Ia: 0
(13238) S04
(13227) N32
Proton flux increase on >10 Mev and >30 Mev counters on NOAA 2 reaches maximum on Sept. 13 and returns to normal on Sept. 15.

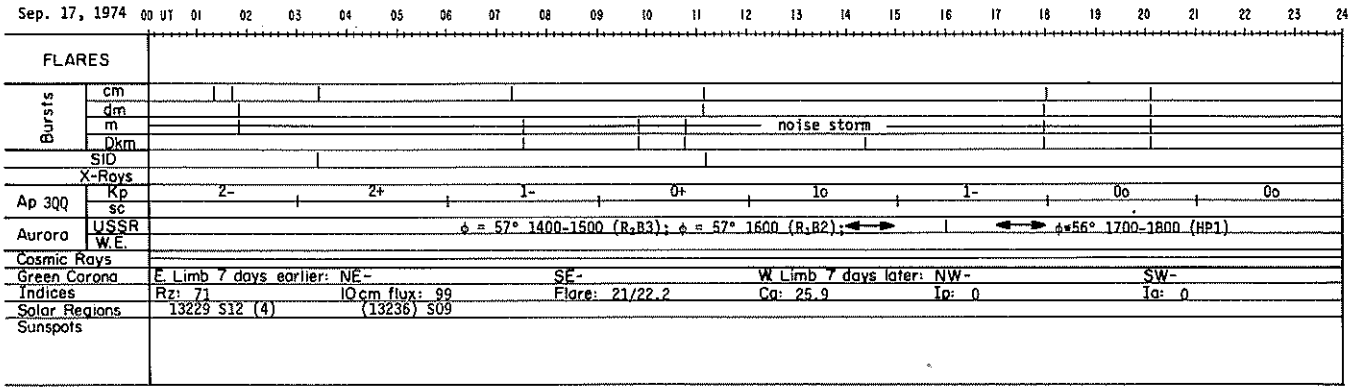

Sep. 12, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1n/25
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 6QQ
Kp
sc
0+ 1- 2- 0+ 1- 2o 3+ 1o
Aurora
USSR
W.E.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- no data
SE- no data
W. Limb 7 days later: NW- no data
SW- no data
Rz: 80
10cm flux: 104
Flare: 40/22.2
Ca: 23.7
Ip: 8
Ia: 5
(13223) N06
(13230) S31

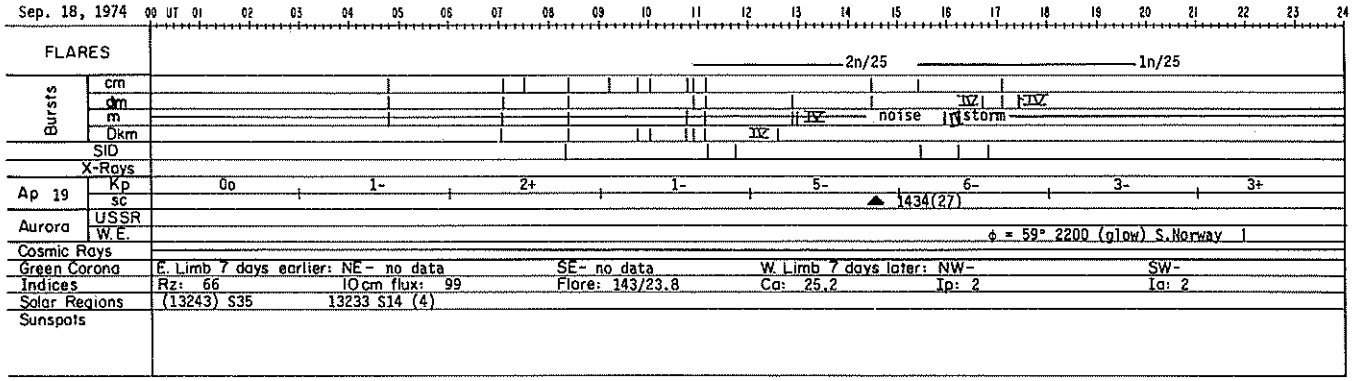

Sep. 13, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1b/25
2b/24
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 16
Kp
sc
1o 2- 2+ 4+ 3+ 4- 4- 3+
Aurora
USSR
W.E.
ϕ = 60° N. Scotland ϕ = 58° 2050-2400 (glow) S. Scotland;
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 74 10 cm flux: 105 Flare: 479/21.5 Ca: 30 Ip: 8 Ia: 7
Solar Regions
13231 N38
Sunspots
Remarks:
Proton flux increase reaches maximum.

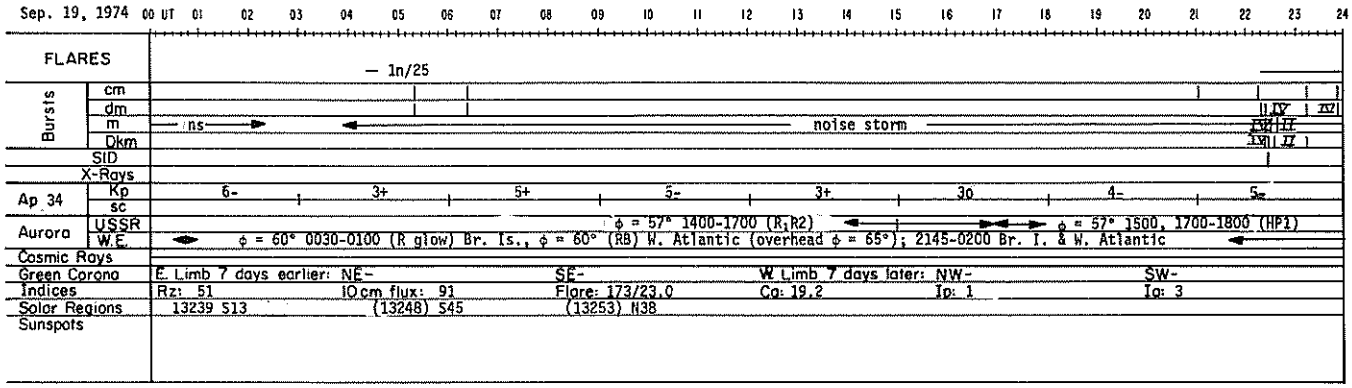

Sep. 14, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 90
Kp
sc
2o 1+ 1- 2o 2- 1o 3- 4o
Aurora
USSR
W.E.
ϕ = 57° 1500-1700 (HP3)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- SW-
Indices
Rz: 67 10 cm flux: 103 Flare: 7/23.8 Ca: 21.8 Ip: 8 Ia: 1
Solar Regions
(13232) S12
Sunspots
(19476) S12 Bf

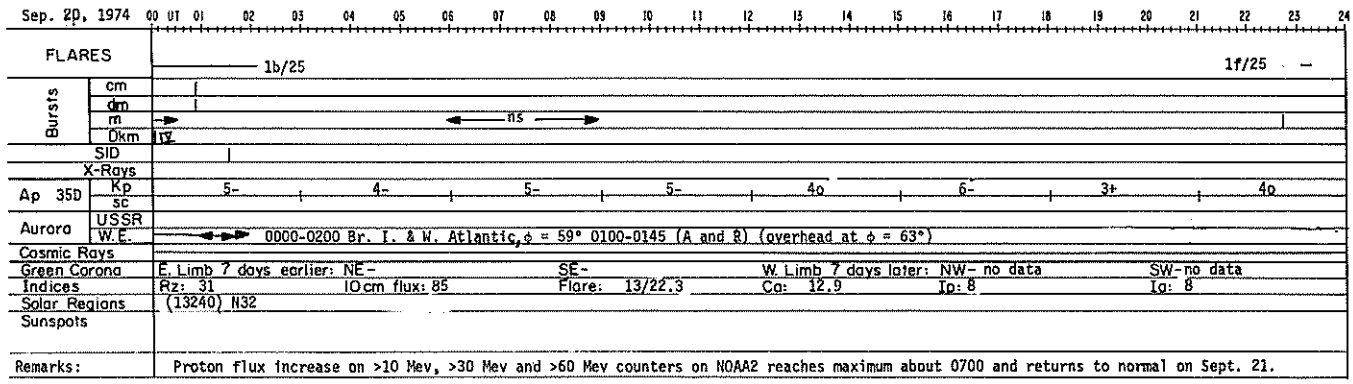

Sep. 15, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 73D
Kp
sc
1+ 2- 1+ 3- 7+ 8- 7+ 6-
1343(27)
Aurora
USSR
W.E.
ϕ = 57° 1400 (R1B2); ϕ = 56° 1500 (R2B3); ϕ = 57° 1600 (R1B2)
ϕ = 57° (R1R3)
obviously active display through clouds over Br. I. 1950-0639
ϕ = 59° 1950 (R); ϕ = 57° 2000 (R)
ϕ=55°(mHB)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- very bright W. Limb 7 days later: NW- SW- moderately bright
Indices
Rz: 64 10 cm flux: 102 Flare: 0/22.6 Ca: 22.0 Ip: 7 Ia: 3
Solar Regions
13225 N07 13224 S13 (2&3)
Sunspots
19469 N08 (δ)6 19471 S11 (βp)3
19472 S16 (αp)3 CMP Sept. 16
(19474) S13 (β) 1
Remarks:
One of the most magnetically disturbed days of the year.

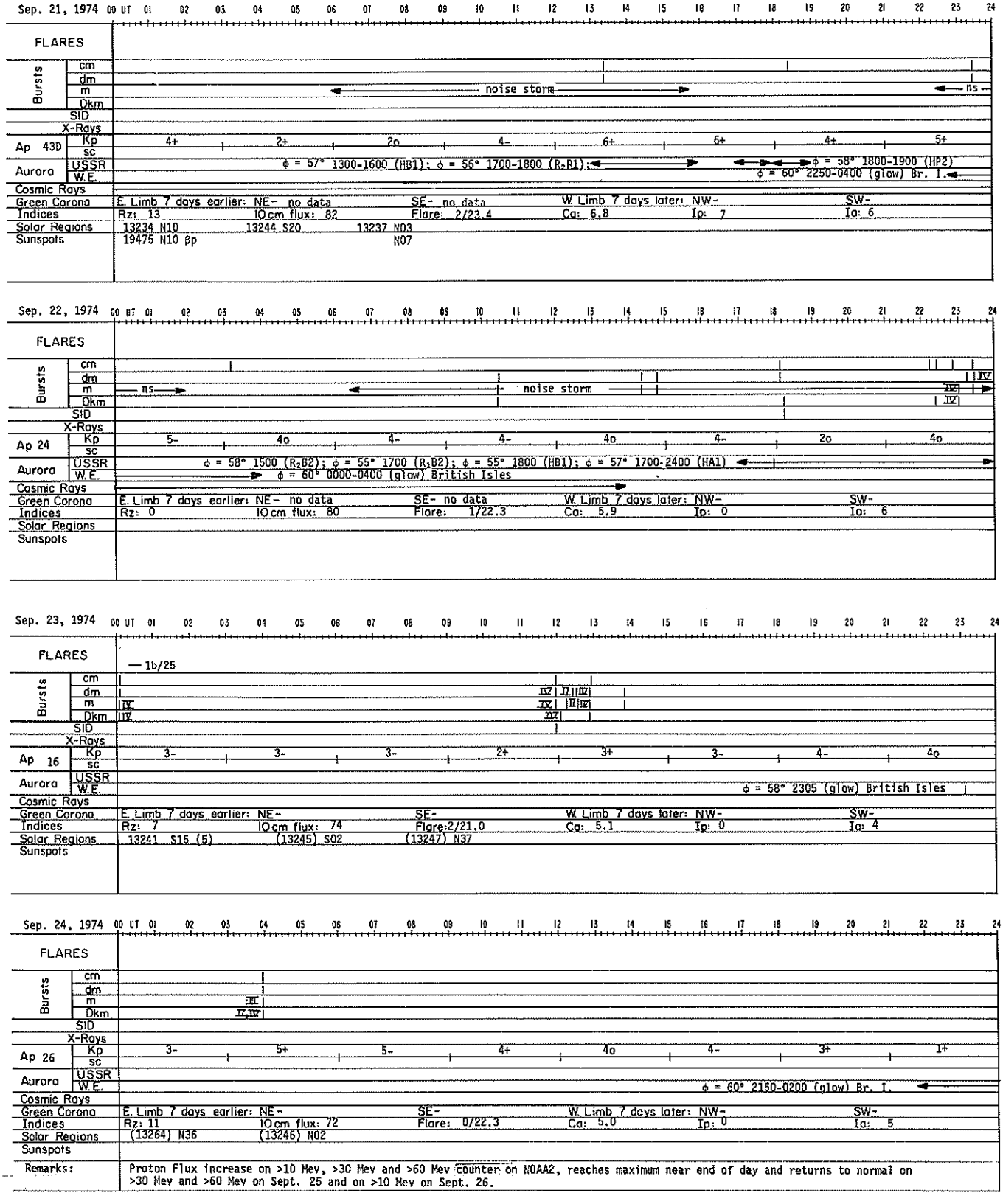

Sep. 16, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 88D
Kp
sc
8o 8- 6o 7- 6+ 3- 3- 2o
Aurora
USSR
W.E.
see below*
ϕ = 56° 0000-0300 (R. glow) Br. Is.; ϕ = 55° 0045 (RB) W. Atlantic (overhead ϕ = 61°); ϕ=60° 0505(HB) W. Atlantic
Cosmic Rays
6% decrease
Green Corona
E. Limb 7 days earlier: NE- SE- bright W. Limb 7 days later: NW- SW-
Indices
Rz: 68 10 cm flux: 101 Flare: 9/23.1 Ca: 26.3 Ip: 1 Ia: 5
Solar Regions
(13235) N30
Sunspots
*
ϕ = 57° 0900-1100 (R1A3); ϕ = 57° 1200-1300 (R2B3); ϕ = 55° 1400 (R1R2); ϕ = 55° 1500-1700 (R1B2) and (R1A2); ϕ = 54° 1600-1700 (R1R2);
ϕ = 54° 1800-1900 (R2R3)
Remarks:
One of the most magnetically disturbed days of the year.

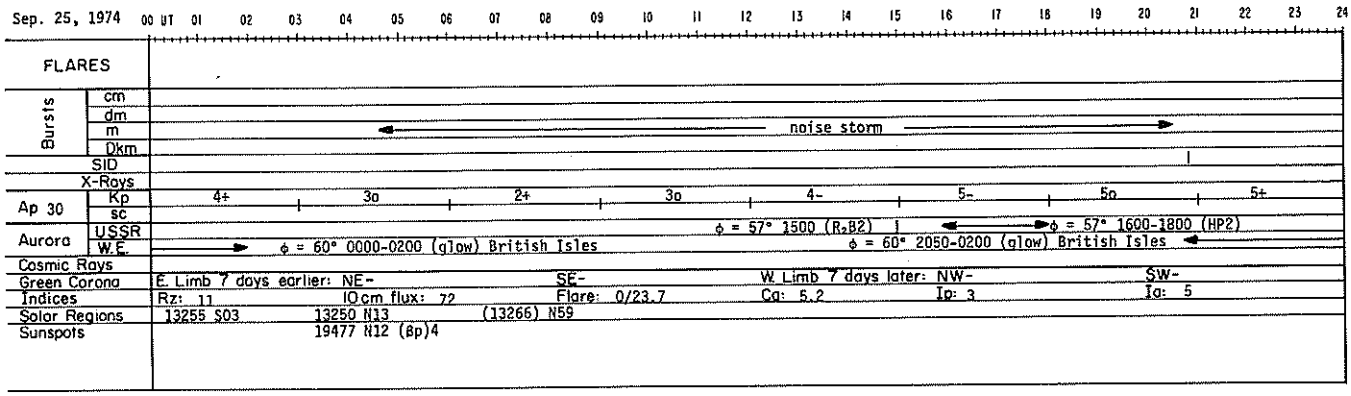

Sep. 17, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 300
Kp
2- 2+ 1- 0+ 1o 1- 0o 0o
sc
Aurora
USSR
W.E.
ϕ = 57° 1400-1500 (R2B3); ϕ = 57° 1600 (R2B2); ϕ=56° 1700-1800 (HP1)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 71 10cm flux: 99 Flare: 21/22.2 Ca: 25.9 Ip: 0 Ia: 0
Solar Regions
13229 S12 (4) (13236) S09
Sunspots

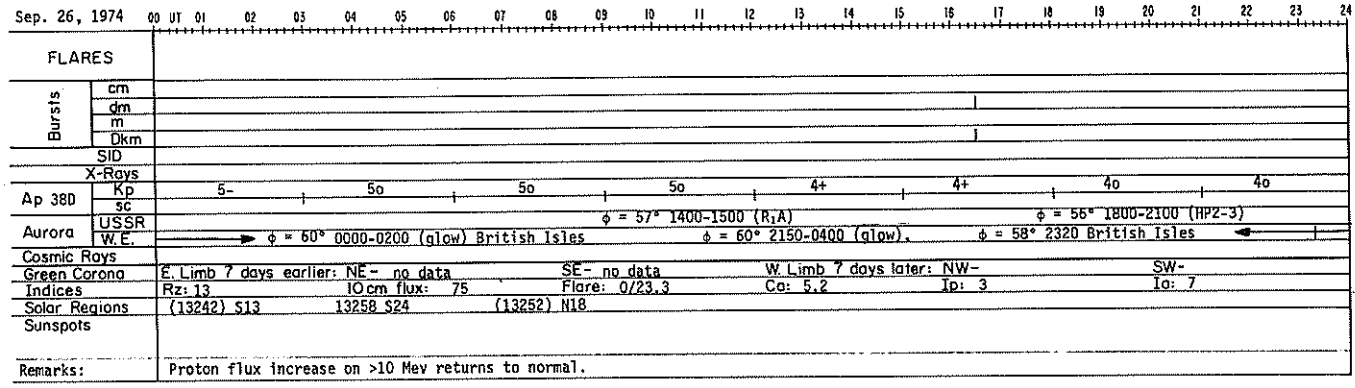

Sep. 18, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
2n/25
1n/25
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 19
Kp
0o 1- 2+ 1- 5- 6- 3- 3+
sc
1434(27)
Aurora
USSR
W.E.
ϕ = 59° 2200 (glow) S.Norway
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- SW-
Indices
Rz: 66 10cm flux: 99 Flare: 143/23.8 Ca: 25.2 Ip: 2 Ia: 2
Solar Regions
(13243) S35 13233 S14 (4)
Sunspots

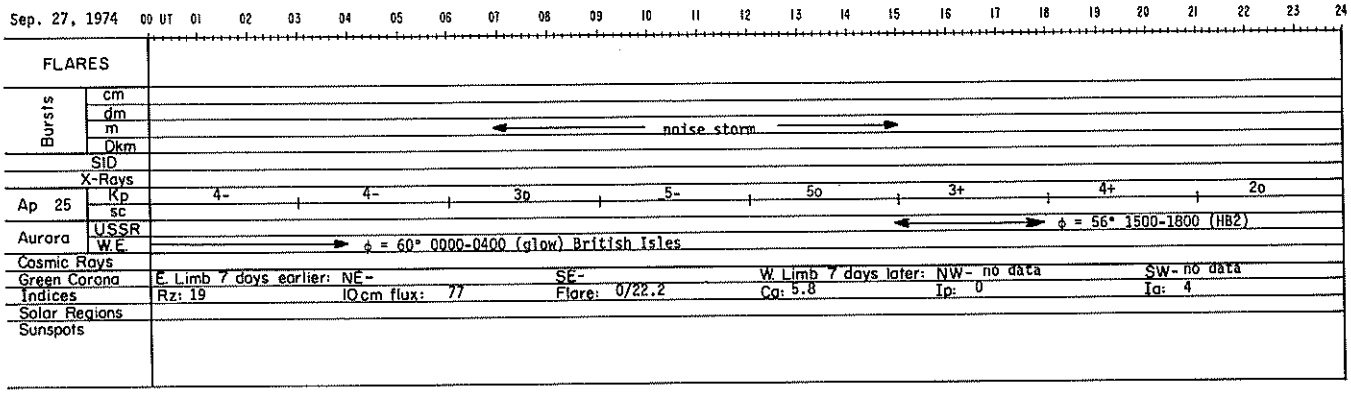

Sep. 19, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1n/25
Bursts
cm
dm
m
Dkm
ns
noise storm
SID
X-Rays
Ap 34
Kp
6- 3+ 5+ 5- 3+ 3o 4- 5-
sc
Aurora
USSR
W.E.
ϕ = 57° 1400-1700 (R1R2)
ϕ = 57° 1500, 1700-1800 (HP1)
ϕ = 60° 0030-0100 (R glow) Br. Is., ϕ = 60° (RB) W. Atlantic (overhead ϕ = 65°); 2145-0200 Br. I. & W. Atlantic
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 51 10cm flux: 91 Flare: 173/23.0 Ca: 19.2 Ip: 1 Ia: 3
Solar Regions
13239 S13 (13248) S45 (13253) N38
Sunspots

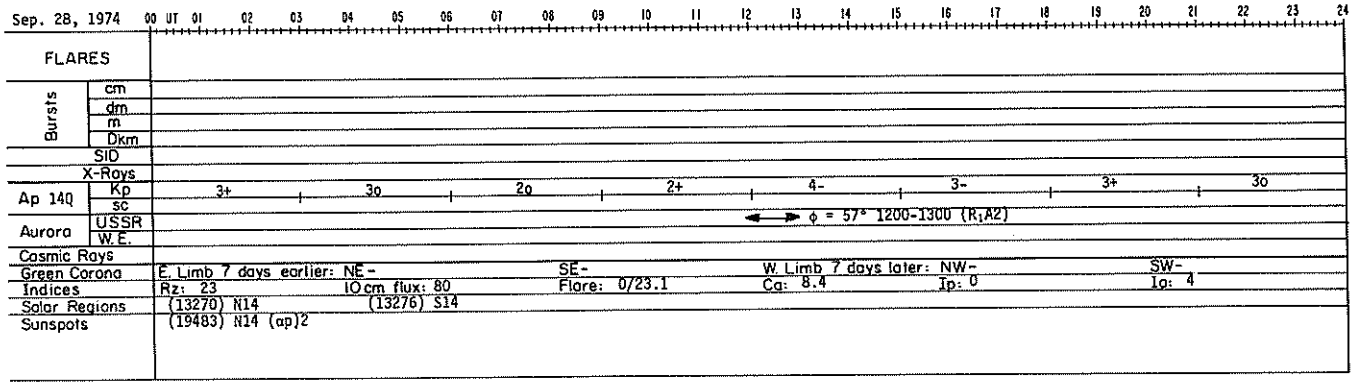

Sep. 20, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
1b/25
1f/25
Bursts
cm
dm
m
Dkm
ns
SID
X-Rays
Ap 350
Kp
5- 4- 5- 5- 4o 6- 3+ 4o
sc
Aurora
USSR
W.E.
0000-0200 Br. I. & W. Atlantic, ϕ = 59° 0100-0145 (A and R) (overhead at ϕ = 63°)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- no data SW-no data
Indices
Rz: 31 10cm flux: 85 Flare: 13/22.3 Ca: 12.9 Ip: 8 Ia: 8
Solar Regions
(13240) N32
Sunspots
Remarks:
Proton flux increase on >10 Mev, >30 Mev and >60 Mev counters on NOAA2 reaches maximum about 0700 and returns to normal on Sept. 21.

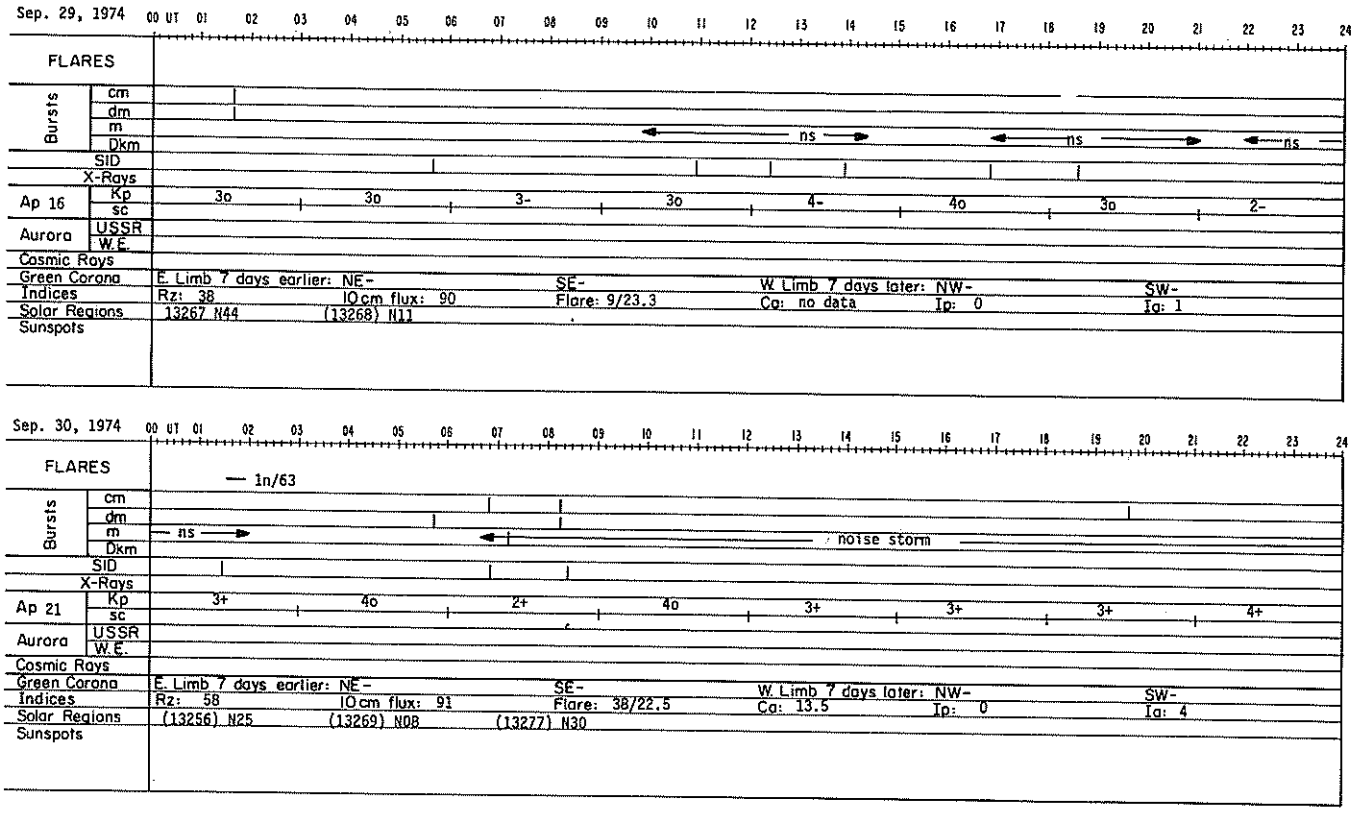

Sep. 21, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
ns
SID
X-Rays
Ap 43D
Kp
sc
4+ 2+ 2o 4- 6+ 6+ 4+ 5+
Aurora
USSR
W.E.
ϕ = 57° 1300-1600 (HB1); ϕ = 56° 1700-1800 (R2R1);
ϕ = 58° 1800-1900 (HP2)
ϕ = 60° 2250-0400 (glow) Br. I.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- SW-
Rz: 13 10cm flux: 82 Flare: 2/23.4 Ca: 6.8 Ip: 7 Ia: 6
13234 N10 13244 S20 13237 N03
19475 N10 βp N07
Sep. 22, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
ns
noise storm
SID
X-Rays
Ap 24
Kp
sc
5- 4o 4- 4- 4o 4- 2o 4o
Aurora
USSR
W.E.
ϕ = 58° 1500 (R2B2); ϕ = 55° 1700 (R1B2); ϕ = 55° 1800 (HB1); ϕ = 57° 1700-2400 (HA1)
ϕ = 60° 0000-0400 (glow) British Isles
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- SW-
Rz: 0 10cm flux: 80 Flare: 1/22.3 Ca: 5.9 Ip: 0 Ia: 6
Sep. 23, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
— 1b/25
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 16
Kp
sc
3- 3- 3- 2+ 3+ 3- 4- 4o
Aurora
USSR
W.E.
ϕ = 58° 2305 (glow) British Isles
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Rz: 7 10cm flux: 74 Flare:2/21.0 Ca: 5.1 Ip: 0 Ia: 4
13241 S15 (5) (13245) S02 (13247) N37
Sep. 24, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 26
Kp
sc
3- 5+ 5- 4+ 4o 4- 3+ 1+
Aurora
USSR
W.E.
ϕ = 60° 2150-0200 (glow) Br. I.
Cosmic Rays
Green Corona
Indices
Solar Regions
Sunspots
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Rz: 11 10cm flux: 72 Flare: 0/22.3 Ca: 5.0 Ip: 0 Ia: 5
(13264) N36 (13246) N02
Remarks:
Proton Flux increase on >10 Mev, >30 Mev and >60 Mev counter on NOAA2, reaches maximum near end of day and returns to normal on >30 Mev and >60 Mev on Sept. 25 and on >10 Mev on Sept. 26.


Sep. 25, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 30
Kp
sc
4+ 3o 2+ 3o 4- 5- 5o 5+
Aurora
USSR
W.E.
φ = 57° 1500 (R2B2)
φ = 57° 1600-1800 (HP2)
φ = 60° 0000-0200 (glow) British Isles
φ = 60° 2050-0200 (glow) British Isles
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 11 10cm flux: 72 Flare: 0/23.7 Ca: 5.2 Ip: 3 Ia: 5
Solar Regions
13255 S03 13250 N13 (13266) N59
Sunspots
19477 N12 (βp)4


Sep. 26, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 38D
Kp
sc
5- 5o 5o 5o 4+ 4+ 4o 4o
Aurora
USSR
W.E.
φ = 57° 1400-1500 (R1A)
φ = 56° 1800-2100 (HP2-3)
φ = 60° 0000-0200 (glow) British Isles
φ = 60° 2150-0400 (glow).
φ = 58° 2320 British Isles
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- no data SE- no data W. Limb 7 days later: NW- SW-
Indices
Rz: 13 10cm flux: 75 Flare: 0/23.3 Ca: 5.2 Ip: 3 Ia: 7
Solar Regions
(13242) S13 13258 S24 (13252) N18
Sunspots
Remarks:
Proton flux increase on >10 Mev returns to normal.


Sep. 27, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
noise storm
SID
X-Rays
Ap 25
Kp
sc
4- 4- 3o 5- 5o 3+ 4+ 2o
Aurora
USSR
W.E.
φ = 56° 1500-1800 (HB2)
φ = 60° 0000-0400 (glow) British Isles
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- no data SW- no data
Indices
Rz: 19 10cm flux: 77 Flare: 0/22.2 Ca: 5.8 Ip: 0 Ia: 4
Solar Regions
Sunspots


Sep. 28, 1974
00 UT 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
FLARES
Bursts
cm
dm
m
Dkm
SID
X-Rays
Ap 14Q
Kp
sc
3+ 3o 2o 2+ 4- 3- 3+ 3o
Aurora
USSR
W.E.
φ = 57° 1200-1300 (R1A2)
Cosmic Rays
Green Corona
E. Limb 7 days earlier: NE- SE- W. Limb 7 days later: NW- SW-
Indices
Rz: 23 10cm flux: 80 Flare: 0/23.1 Ca: 8.4 Ip: 0 Ia: 4
Solar Regions
(13270) N14 (13276) S14
Sunspots
(19483) N14 (αp)2



REGIONAL FLARE INDEX

SEPTEMBER 1974

MC MATH PLAGE NO.	LAT	CMP DATE	DATE FIRST FLARE	DATE LAST FLARE	FLARE-INDEX SUM	FLARE-INDEX MEAN	TOTAL NO. OF FLARES
13204	S10	74/09/07.4	74/09/12	74/09/12	4.67	4.67	1
13208	S 4	74/09/09.3	74/09/14	74/09/14	1.54	1.54	1
13209	S15	74/09/09.8	74/09/05	74/09/07	35.21	11.74	3
13232	S12	74/09/14.0	74/09/18	74/09/18	0.80	0.80	1
13225	N 7	74/09/15.4	74/09/08	74/09/23	613.91	38.37	31
13224	S13	74/09/15.5	74/09/11	74/09/13	445.24	148.41	2

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

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

MISCELLANEOUS DATA

Contents

02 JANUARY 1975

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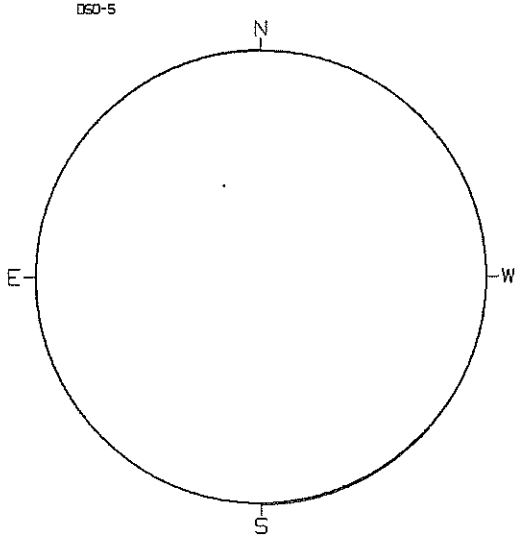
LEICESTER UNIVERSITY
OSO-5

9·6-11·1Å X-RAYS



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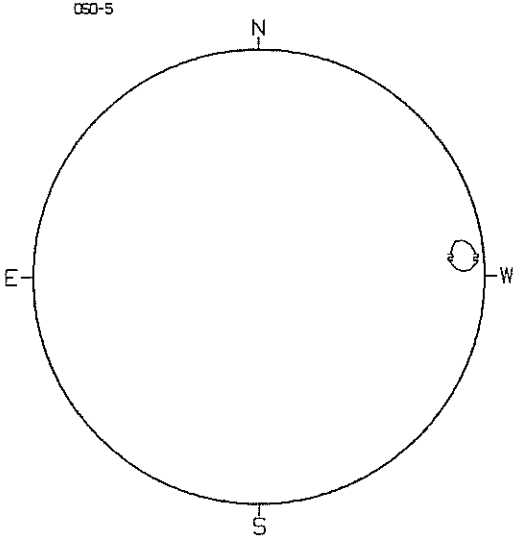

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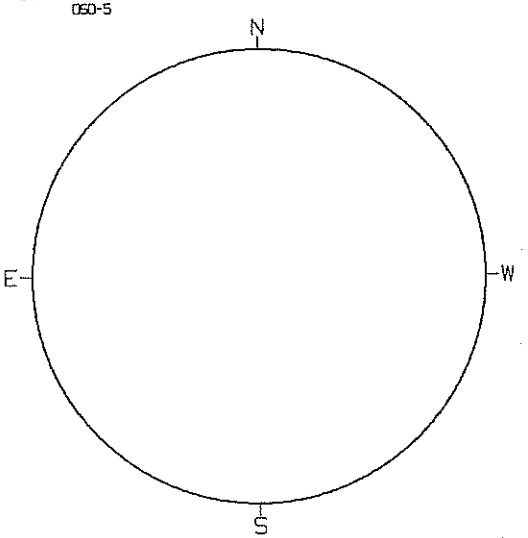

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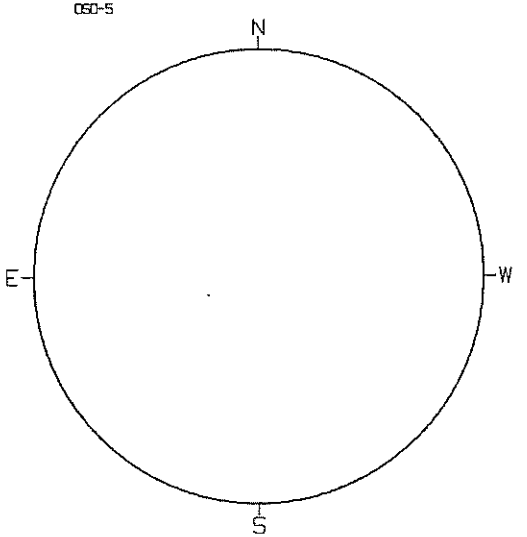

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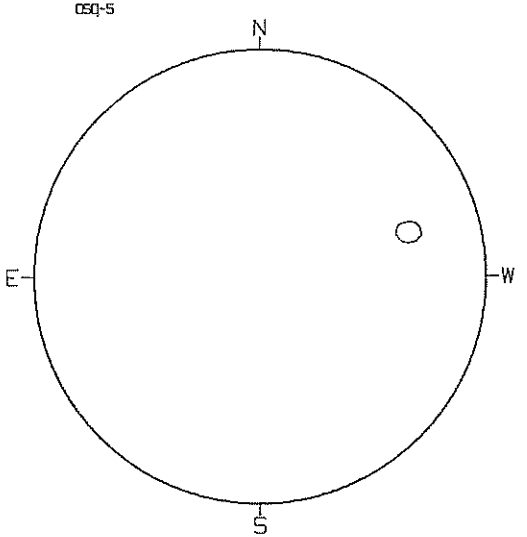

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OSO-5

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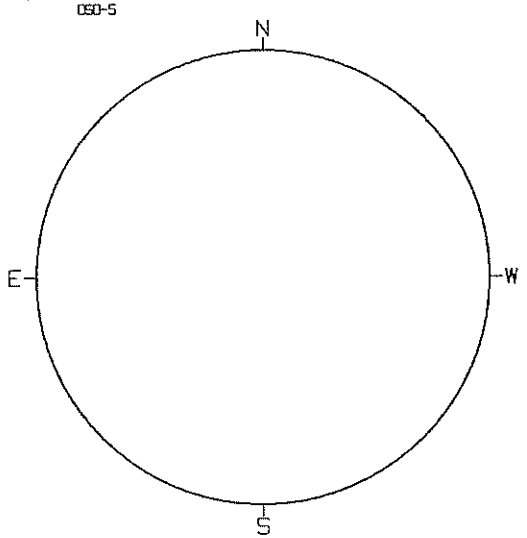

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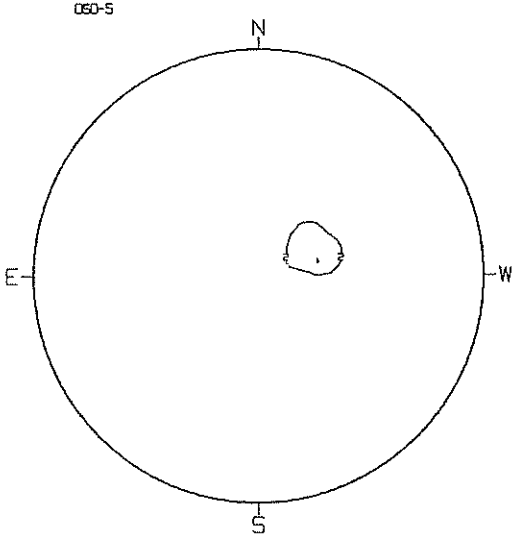

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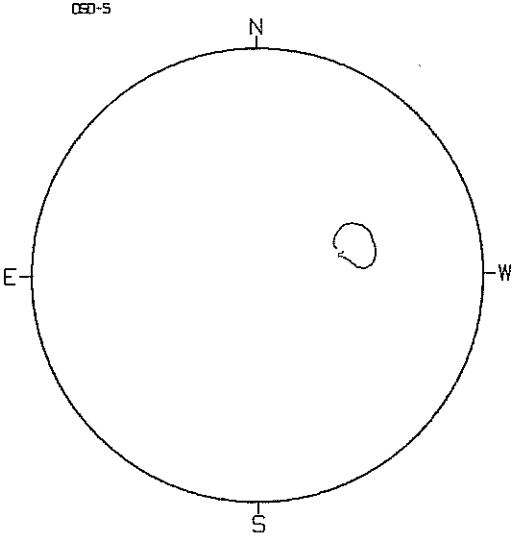

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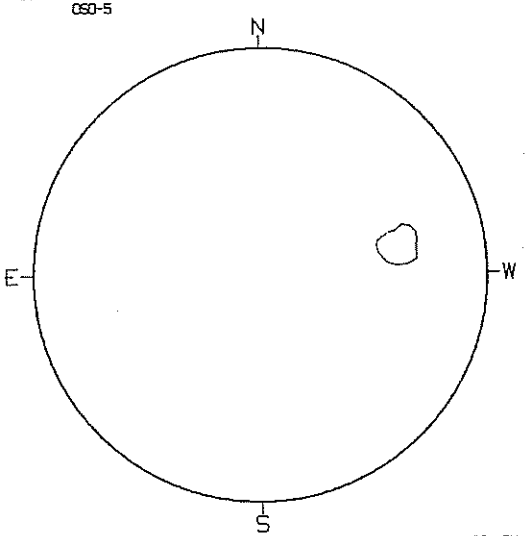

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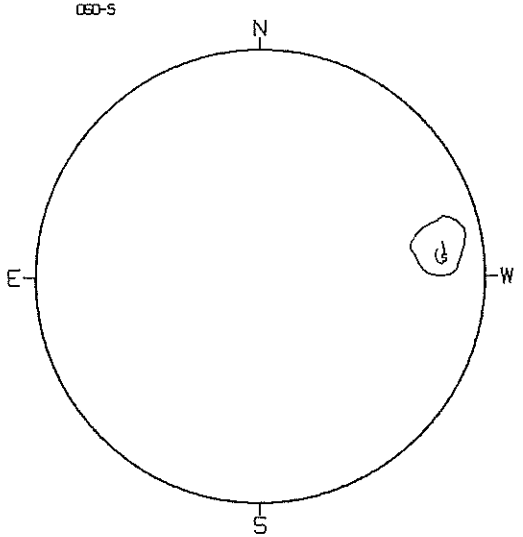

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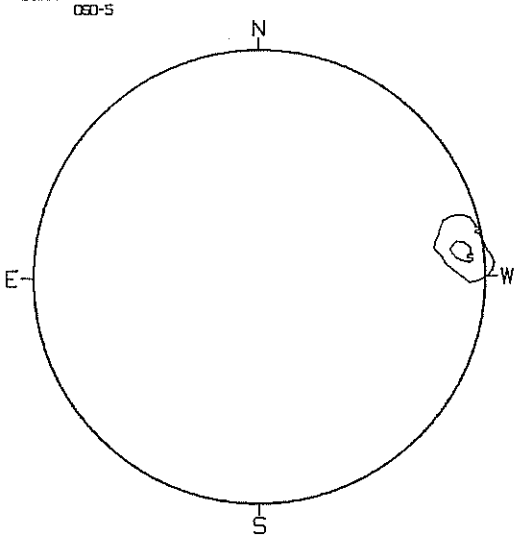

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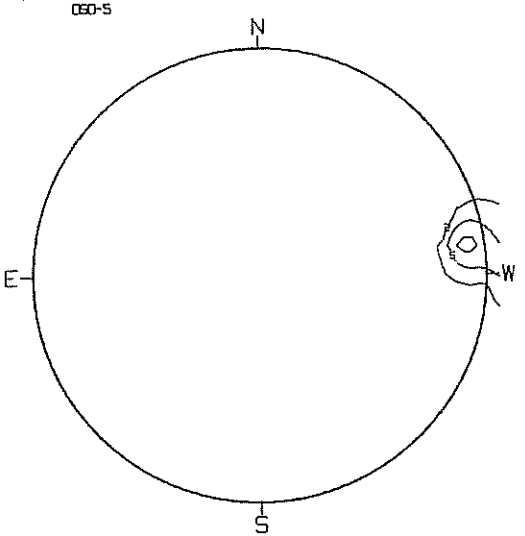

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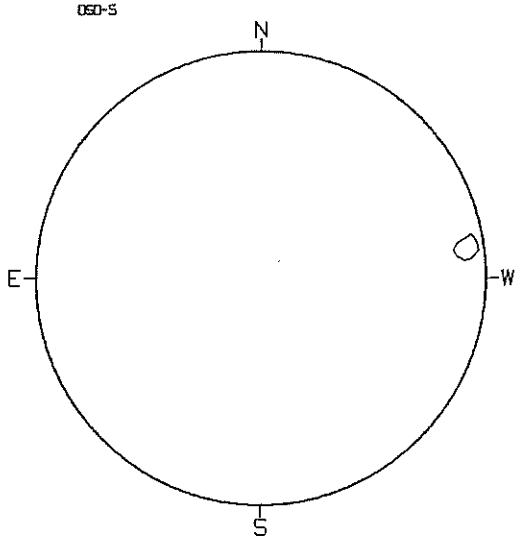

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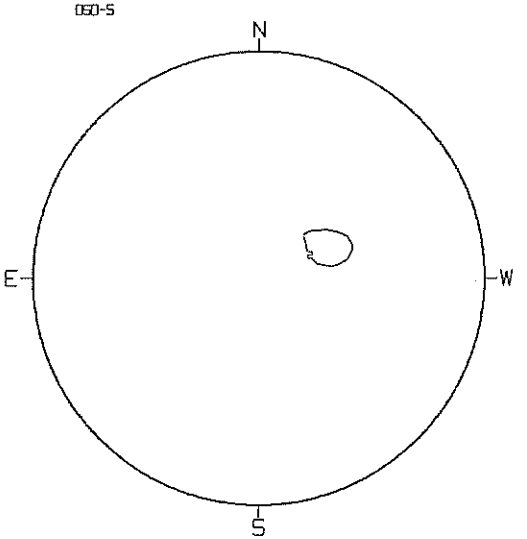

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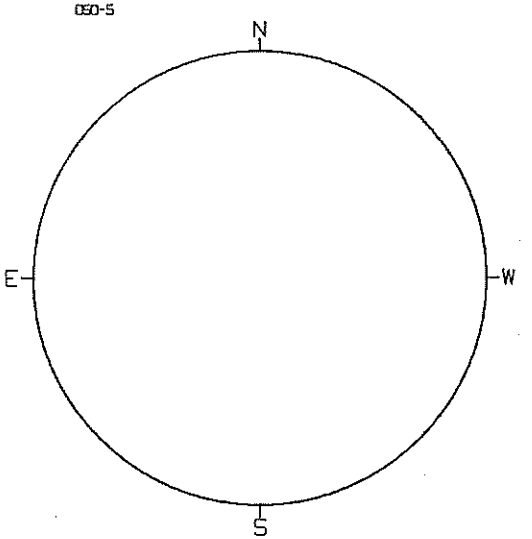

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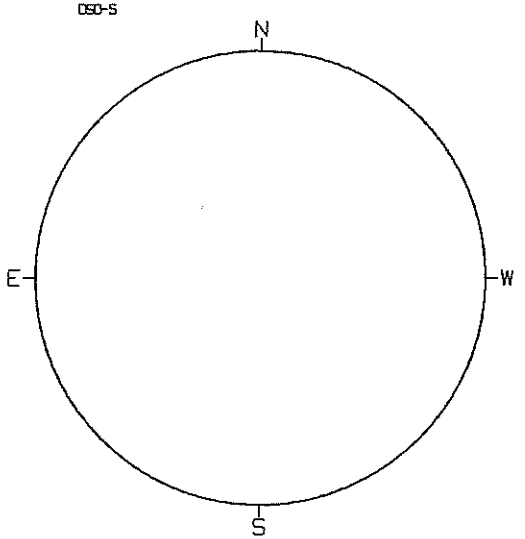

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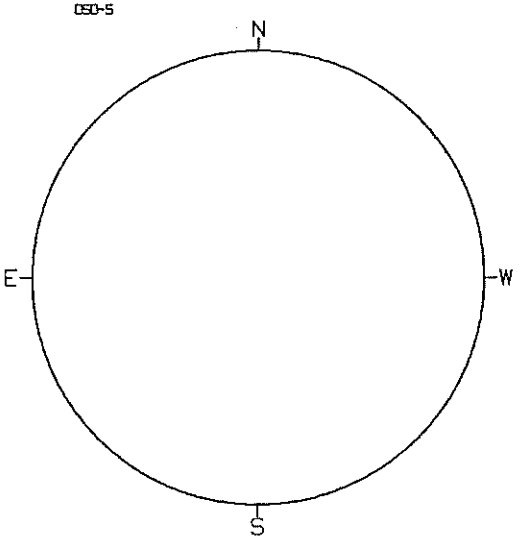

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2340-0124 UT

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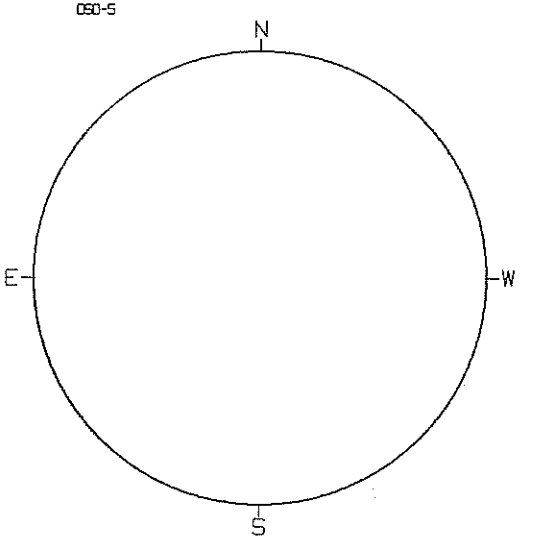

RES = 2 ARC MIN
UNIT = 10^{-6}ERG/CM^2/SEC

2338-0004 UT

Note: There are no contours on the 23 January 1975 map. No maps are available for 24-31 January because of processing problems.

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UAG-39 "Auroral Electrojet Magnetic Activity Indices AE(11) for 1971", by Joe Haskell Allen, Carl C. Abston and Leslie D. Morris, National Geophysical and Solar-Terrestrial Data Center, Environmental Data Service, February 1975, 144 pages, price $2.05.

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UAG-42 "Observations of Jupiter's Sporadic Radio Emission in the Range 7.6-80 MHz 10 December 1971 through 21 March 1975", by James W. Warwick, George A. Dulk, and Anthony C. Riddle, Department of Astro-Geophysics, University of Colorado, Boulder, Colorado 80302, April 1975, 49 pages.

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WORLD DATA CENTER A
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SOLAR-TERRESTRIAL PHYSICS

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