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Feb 74

H α SOLAR FLARES

Confirmed

FEBRUARY 1974

OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH FLARE REGION	CMP DAY			TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hd	MAX. INT. %	
GRP50447	1974 FEB																
BOUL	01	1625	1643	1627	S02	H47	.732	12716	29.2	18	--F		.46				2 2 2 3
RAMY	01	1624	1647	1627	S01	H46	.721	12716	29.2	23	--F	1627	.54	.77			DE
	01	1625	1638	1627	S03	H47	.731	12716	29.2	13	--F	3 C	.37				
448 BOUL	03	1800	1815	1802	N08	H33	.585	12731	1.3	15	--F	C	1802	.21	.25		3
	05	2153	2211	NO FLARE PATROL													
449 PALE	06	2058	2116	2058	S18	E18	.360	12734	8.2	18	--F	3 C	.13				3
451 ARCE	07	0830E	0900D		N08	E82	.993	12740	13.5	30D	--F	C	0840	.15			5
	07	2335	2343	NO FLARE PATROL													
454 CATA	08	1245E	1250D	1245	S16	E75	.961	12742	14.2	5D	--N	3	1245	.29		(191)	2
455 HUAN	08	1619	1624	1620	S13	E74	.956	12742	14.2	5	--F	1 C	1620	.21			D 3
	08	2126	2140	NO FLARE PATROL													
GRP50458	09	0251	0303	0253	S18	E71	.939	12742	14.4	12	-B		.96				2 2 2 3
PALE	09	0251	0307	0252	S20	E69	.928	12742	14.3	16	-B	3 C	.81				DE
VORD	09	0251	0258	0253	S16	E73	.951	12742	14.6	7	18	C	0253	1.11	2.20	88	E
459 TEHR	09	0538	0548	0540	S16	E66	.908	12742	14.2	10	-N	1 C	.55				DE 3
GRP50460	09	0712	0729	0715	S18	E68	.921	12742	14.4	17	-N		.79				2 2 2 4
MANI	09	0711	0736D	0714	S19	E69	.928	12742	14.5	25D	-N	2	0714	.93	1.96		DE
TEHR	09	0713	0722	0715	S16	E66	.908	12742	14.3	9	-N	1 C	.64				
GRP50463	09	1030	1041	1035	S17	E67	.915	12742	14.5	11	--F		.20				2 2 2 3
TEHR	09	1030	1041	1034	S16	E66	.908	12742	14.4	11	-F	2 C	.19				DE
MONT	09	1035E	1040	1035	S18	E67	.915	12742	14.5	5D	-N	C	1035	.21			D
GRP50465	10	0946	1002	0950	N08	E36	.626	12740	13.1	16	--N		.35				2 2 2 4
ATHN	10	0946	1001	0950	N07	E36	.621	12740	13.1	15	-N	3 C	.50				DE
TEHR	10	0946	1003	0950	N09	E35	.618	12740	13.0	17	-N	2 C	.19				F
467 BOUL	10	1648	1655	1650	S15	E53	.795	12742	14.7	7	--F	V	1650	.60			2
	10	1657	1703	NO FLARE PATROL													
	10	2322	2323	NO FLARE PATROL													
468 PALE	10	2327E	2358	2330	S17	E45	.709	12742	14.4	31D	--F	2 V	1.03				DE 2
	11	1939	1942	NO FLARE PATROL													
GRP50470	11	2010	2102	2015	S10	E28	.468	12742	13.9	52	-F		1.98				2 2 2 3
PALE	11	2010E	2041	2015U	S12	E27	.457	12742	13.9	31D	-F	3 V	1.55				F
BOUL	11	2010	2122	2015	S07	E28	.466	12742	13.9	72	1F	V	2030	2.40	2.70		
472 ATHN	12	1329	1338D	1337	S10	E20	.343	12742	14.1	9D	--F	3 C	.33				DE 4
GRP50474	12	1830	1906	1841	S18	E23	.424	12742	14.5	36	--F		.32				2 2 2 4
BOUL	12	1824	1930	1843	S19	E24	.444	12742	14.6	66	-F	C	1843	.43	.47		
PALE	12	1835	1842	1839	S17	E22	.404	12742	14.4	7	-N	2 V	.21				H
	13	0255	0309	NO FLARE PATROL													
	13	0531	0605	NO FLARE PATROL													
	13	0925	0930	NO FLARE PATROL													
	13	0935	0950	NO FLARE PATROL													
	13	1000	1038	NO FLARE PATROL													
GRP50476	13	1038	1050	1044	S20	E20	.399	12742	14.9	12	-N		1.44				2 2 2 2
MONT	13	1038E	1044D	1038	S19	E19	.378	12742	14.9	6D	1N	C	1038	2.58			
CATA	13	1045E	1050D	1050	S20	E20	.399	12742	14.9	5D	-N	1	1050	.29	.31	(151)	
	13	1044	1045	NO FLARE PATROL													
	13	1050	1115	NO FLARE PATROL													
477 ATHN	13	1053E	1102D	1053U	S21	E18	.383	12742	14.8	9D	1N	1 C	2.48				U F 2
478 ATHN	13	1053E	1102D	1053U	S18	E74	.955	12747	19.0	9D	--F	1 C	.50				DE 2

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	DATE FEB	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %		
479 ATHN	13	1053E	1102D	1053U	S10	W01	.060	12739	13.4	90	--F	1	C		.33				DE	2
	13	1951	1958	NO FLARE				PATROL												
480 BOUL	13	2015	2035D	2020	S17	E71	.939	12747	19.2	200	-N		C	2020	.43	1.18				1
	13	2048	2117	NO FLARE				PATROL												
	13	2152	2205	NO FLARE				PATROL												
	14	0630	0651	NO FLARE				PATROL												
	14	0700	0705	NO FLARE				PATROL												
	14	0900	0950	NO FLARE				PATROL												
	14	0954	1011	NO FLARE				PATROL												
	14	1036	1127	NO FLARE				PATROL												
GRP50481	14	2027	2046	2030	S13	W36	.587	12749	12.2	19	--F				.59				2 2 2 3	
BOUL	14	2026	2048	2030	S13	W35	.574	12749	12.2	22	-F		C	2030	.54	.66				
PALE	14	2027	2043	2029	S12	W36	.586	12749	12.2	16	-F	3	C		.63				U F	
482 PALE	14	2051	2055	2053	S16	W39	.633	12749	11.9	4	--F	3	C		.19					3
483 BOUL	14	2141	2215D	2155	S12	W40	.640	12749	11.9	340	--F		C	2155	.86	1.12				3
GRP50484	14	2257	2316	2305	S13	W41	.654	12749	11.9	19	--F				.32				2 2 2 2	
BOUL	14	2251	2316	2305	S12	W39	.627	12749	12.0	25	-F		C	2305	.32	.41				
MANI	14	2302	2314D	2304	S13	W43	.679	12749	11.7	120	-N	1		2304	.31	.43				
485 PALE	15	0111E	0111D	0111U	S19	E42	.677	12752	18.2		--F	2	C		.19				F	1
	15	0115	0158	NO FLARE				PATROL												
	15	0200	0229	NO FLARE				PATROL												
	15	0310	0330	NO FLARE				PATROL												
	15	0635	0700	NO FLARE				PATROL												
GRP50486	15	0948	1000	0955	S14	W52	.783	12749	11.5	12	-B				.88				2 2 2 4	
ARCE	15	0940E	1000D		S14	W53	.794	12749	11.4	200	-N		C	0953	.89	1.40			F	
CATA	15	0955	0955D	0955	S13	W51	.772	12749	11.6		-B	1		0955	.87	1.36			(204)	
487 MONT	15	1111	1116	1113	S13	W44	.691	12749	12.2	5	--N		C	1113	.21				D	3
488 MONT	15	1133	1139	1136	S13	W50	.761	12749	11.7	6	--N		C	1136	.52					2
GRP50489	15	1508	1539	1511	S12	W51	.772	12749	11.8	31	-N				.80				2 2 2 2	
RAMY	15	1505E	1535	1507U	S11	W51	.772	12749	11.8	300	-N	4	V		1.29				OE	
MCMA	15	1511	1542	1514	S12	W51	.772	12749	11.8	31	-N		C	1514	.31	.50			E	
490 MCMA	15	1638	1646	1641	S19	E33	.564	12752	18.2	8	--N		C	1641	.26	.30			D	2
GRP50491	15	1809	1850	1820	S12	W52	.783	12749	11.9	41	-N				.68				2 2 2 3	
PALE	15	1756	1853D	1807	S11	W51	.772	12749	11.9	570	-N	2	C		.55				OE H	
PALE	15	1803E	1844D	1822	S12	W50	.761	12749	12.0	410	-B	3	V		.83				OE H	
PALE	15	1803E	1844D	1807	S12	W50	.761	12749	12.0	410	-N	3	V		.62				OE H	
MCMA	15	1814	1848	1818	S12	W53	.793	12749	11.8	34	-F		C	1818	.52	.80			E	
492 PALE	15	1834	1851	1843	S19	E32	.551	12752	18.2	17	--F	2	C		.27				F	3
493 MCMA	15	1908	1916	1912	S19	E30	.524	12752	18.0	8	--F		C	1912	.41	.50			E	3
GRP50494	15	1959	2014	2007	S12	W55	.813	12749	11.7	15	--F				.42				2 2 2 4	
MCMA	15	1959	2011	2003	S12	W54	.803	12749	11.8	12	-N		C	2003	.52	.90			OH	
BOUL	15	2005E	2017	2010	S12	W55	.813	12749	11.7	120	-F		C	2010	.32	.56				
GRP50495	16	0259	0320	0309	S14	W59	.851	12749	11.7	21	-N				.82				2 2 2 4	
PALE	16	0259	0320	0308	S15	W57	.833	12749	11.8	21	-N	3	C		.81				F	
MANI	16	0310E	0313D	0310U	S12	W60	.860	12749	11.6	30	-N	1		0310	.83	1.50			HF	
GRP50496	16	0610	0637	0616	S12	W60	.860	12749	11.8	147	-F				1.21				2 2 2 3	
MANI	16	0609E	0618D	0615U	S12	W60	.860	12749	11.8	90	-F	2		0615	.62	1.13			F	
ABST	16	0611	0855	0616	S11	W60	.860	12749	11.8	164	1N		C	0616	1.79	3.40			EKW2	
MANI	16	0813E	0819	0814U	S12	W61	.869	12749	11.8	60	-F	2		0814	.62	1.15			F	

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	DATE FEB	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MC MATH PLACE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hr		MAX. INT. %
497 ABST	16	0644	0705	0653	S16	E38	.619	12747	19.1	21	--F	C	0653	.90	1.10	58	D	2
498 RAMY	16	1646	1657	1648	S14	H66	.907	12749	11.7	11	--F	4 C		.28			DE	1
499 HUAN	16	1743	1747		S13	H67	.914	12749	11.7	4	--F	1 C	1744					2
500 HUAN	16	1747	1748D		S19	E19	.376	12752	18.2	10	--F	1 P	1748	.36	.39		E	2
501 PALE	16	1930E	1957	1936	S13	H66	.907	12749	11.9	27D	--F	3 C		.27			F	3
GRP50502 PALE	16	1947	2015	1953	S19	E17	.350	12752	18.1	28	-N			1.06			2	2
	16	1946	2012D	1954D	S18	E17	.341	12752	18.1	26D	-N	1 C	1954	.93	.99		E	2
	16	1947	2015	1952	S19	E16	.338	12752	18.0	28	-N	4 C		1.18			DE	3
GRP50503 PALE HUAN	16	2108	2117	2110	S13	H68	.921	12749	11.8	9	--N			.36			2	2
	16	2108	2117	2110	S13	H68	.921	12749	11.8	9	-N	3 C		.45			DE	2
	16	2108	2116D	2110	S13	H67	.914	12749	11.9	8D	-N	1 P	2110	.26			D	2
GRP50504 PALE HUAN BOUL	16	2154	2215	2201	S13	H68	.921	12749	11.8	21	--F			.32			3	3
	16	2153	2207D	2159	S13	H68	.921	12749	11.8	14D	-F	3 C		.27			F	3
	16	2154	2208D	2202	S13	H67	.914	12749	11.9	14D	-N	1 P	2202	.26			D	3
	16	2155	2215	2203	S13	H68	.921	12749	11.8	20	-F	C	2203	.43	1.09			3
	16	2224	2232	NO FLARE PATROL														
505 PALE	16	2232E	2237D	2233U	S13	H74	.956	12749	11.4	50	--F	1 V		.41			DE	1
	16	2237	2244	NO FLARE PATROL														
	16	2250	2257	NO FLARE PATROL														
507 ABST	17	0609	0635	0613	S16	E07	.197	12752	17.8	26	--F	C	0613	.45	.50	60	D	4
GRP50508 ABST TEHR MANI	17	0756	0812	0801	S17	E09	.231	12752	18.0	16	--N			.92			3	3
	17	0754	0820	0802	S17	E08	.221	12752	17.9	26	-N		0802	1.79	1.80	85	EK	3
	17	0755	0810	0800	S18	E10	.255	12752	18.1	15	-N	2 C		.36			F	3
	17	0759	0807	0801	S17	E09	.231	12752	18.0	8	-N	2 C	0801	.62	.64		E	3
	17	1730	1745	NO FLARE PATROL														
	17	1902	2037	NO FLARE PATROL														
513 PALE	17	2243	2313	2253	S18	H51	.775	12742	14.1	30	-N	3 C		.55			F H	2
GRP50515 RAMY ATHN	18	1224	1255	1228	S18	H08	.234	12752	17.9	31	--N			.44			2	2
	18	1224	1259D	1226	S17	H08	.221	12752	17.9	35D	-N	3 C		.37			DE	2
	18	1226E	1250	1229	S18	H08	.234	12752	17.9	24D	-N	4 V		.50			DE	3
	18	1415	1421	NO FLARE PATROL														
516 RAMY	18	1509	1519	1511	S18	H13	.289	12752	17.7	10	--F	4 C		.21			DE	1
517 BOUL	18	1527	1540	1529	S17	H60	.860	12742	14.1	13	--F	C	1529	.43	.86			2
518 BOUL	18	1558	1613	1600	S15	H11	.233	12752	17.8	15	--F	C	1600	.43	.44			3
519 BOUL	18	1620	1632D	1624	S15	H11	.233	12752	17.9	12D	--F	C	1624	.43	.44			3
520 BOUL	18	1622E	1632D	1623	S17	H60	.860	12742	14.2	10D	--F	C	1623	.54	1.07			3
GRP50521 RAMY PALE BOUL	18	1820	1833	1823	S18	H62	.877	12742	14.1	13	-N			.94			3	3
	18	1820	1832	1821	S18	H63	.885	12742	14.0	12	-N	4 C		.74			DE	3
	18	1821E	1833	1822	S18	H62	.877	12742	14.1	12D	18	3 C		1.44			F H	3
	18	1825E	1835	1825E	S17	H62	.877	12742	14.1	10D	-N	C	1825	.64	1.39			3
523 HUAN	18	1915	1919	1918	S18	H07	.225	12752	18.3	4	--F	1 C	1918	.36	.37			3
524 PALE	18	2343E	0004	2350U	S18	H12	.277	12752	18.1	21D	--F	3 C		.36			DE	2
	19	0044	0049	NO FLARE PATROL														
	19	0109	0253	NO FLARE PATROL														
525 PALE	19	0302	0316D	0304	S18	H65	.900	12742	14.3	14D	--N	3 C		.19			DE	2
	19	0324	0333	NO FLARE PATROL														
	19	0340	0352	NO FLARE PATROL														

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	DATE FEB	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCNATH FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
526 ABST	19	0412	0546	NO FLARE	PATROL													
	19	0548	0555	NO FLARE	PATROL													
	19	0559	0610	0603	S18	W12	.277	12752	18.3	11	--N	C	0603	.90	.90		75	DHZ 1
	19	0930	1025	NO FLARE	PATROL													
	19	1030	1145	NO FLARE	PATROL													
	19	1149	1155	NO FLARE	PATROL													
	19	1205	1240	NO FLARE	PATROL													
	19	1304	1310	NO FLARE	PATROL													
GRP50527 RAMY HUAN	19	1548	1555	1550	S18	W17	.340	12752	18.4	7	--F			.42				2 2 2 2
	19	1548	1555	1549	S17	W17	.332	12752	18.4	7	-F	4 C		.37				DE
	19	1549E	1551D	1550	S18	W17	.340	12752	18.4	20	-F	1 P	1550	.46	.50			
GRP50528 BOUL PALE RAMY	19	1808	1822	1814	S20	W20	.396	12752	18.3	14	--N			.38				3 3 3 3
	19	1802	1807	1807	S20	W20	.396	12752	18.3	5	-F	C	1807	.21	.23			
	19	1805E	1829	1815	S20	W20	.396	12752	18.3	240	-N	3 C		.19				DE
	19	1818	1830	1820	S21	W20	.405	12752	18.3	12	-N	4 C		.74				DE
529 PALE	19	2139E	2150	2140	S20	W22	.422	12752	18.3	110	--F	1 C		.19				DE 1
	19	2150	2218	NO FLARE	PATROL													
	19	2221	2255	NO FLARE	PATROL													
530 MANI	19	2304E	2312	2305U	S19	W22	.415	12752	18.3	80	--B	1	2305	.62	.68			1
531 MANI	20	0359	0421D	0402	S17	W32	.542	12752	17.8	220	-N	2	0402	.83	.98			2
	20	0423	0520	NO FLARE	PATROL													
	20	0532	0545	NO FLARE	PATROL													
GRP50533 MANI ABST ABST	20	0659	0713	0706	S18	W28	.491	12752	18.2	14	-F			2.12				2 2 2 4
	20	0657	0714	0706	S17	W28	.486	12752	18.2	17	-N	2	0706	1.55	1.77			HF
	20	0700	0712	0706	S16	W26	.454	12752	18.3	12	1F	C	0706	1.79	2.10		48	EHZ
	20	0702	0720	0709	S21	W29	.520	12752	18.1	18	-F	C	0709	.90	1.00		54	D
GRP50534 ABST ARCE CATA MONT	20	0900	0921	0904	S17	W27	.472	12752	18.4	21	--N			.63				4 4 4 5
	20	0900	0915	0904	S16	W27	.468	12752	18.4	15	-F	P	0904	.90	1.00			EZ
	20	0900E	0919		S16	W28	.482	12752	18.3	190	-N	C	0905	.63	.70			
	20	0900	0930	0905	S17	W27	.472	12752	18.4	30	-N	3	0905	.58	.65		(166)	
	20	0901	0905D	0902	S17	W27	.472	12752	18.4	40	-N	C	0902	.41				
	20	1045	1130	1050	S17	W28	.486	12752	18.3	45	--N			.58				2 1 1 3
GRP50535 CATA MONT	20	1045	1130D	1050	S17	W28	.486	12752	18.3	450	-N	3	1050	.58	.66		(151)	
	20	1113	1136	1120	S17	W28	.486	12752	18.4	23	-N	C	1120	.21				D
	20	1207	1224	1216	S17	W28	.486	12752	18.4	17	--N	C	1216	.31				E 3
536 MONT	20	1250	1308	NO FLARE	PATROL													
	20	1308E	1315		S18	W30	.518	12752	18.3	70	--F	C	1308	.62	.70			8 1
538 MCMA	20	1330	1500D	1333	S18	W30	.518	12752	18.3	900	--N	C	1333	.36	.40			EHK 1
GRP50539 RAMY MCMA	20	1514	1533	1516	S18	W31	.532	12752	18.3	19	-B			1.68				2 2 2 3
	20	1513	1531	1516	S17	W30	.514	12752	18.4	18	1B	3 V		2.06				DE
	20	1514	1535	1516	S18	W31	.532	12752	18.3	21	--B	C	1516	1.29	1.50			EH
540 MCMA	20	1658	1720	1706	S18	W32	.545	12752	18.3	22	--F	C	1706	.46	.50			EH 1
	20	2037	2047	NO FLARE	PATROL													
GRP50541 VORO PALE MANI	20	2319	2343	2322	S19	W38	.627	12752	18.1	24	-B			1.10				3 2 2 4
	20	2319	2341	2321	S20	W37	.617	12752	18.2	22	-B	C	2321	.93	1.20		88	EJ
	20	2322E	2335D	2322U	S17	W38	.621	12752	18.1	130	-N	3 C		1.27				DE
	20	2340E	2343D	2340U	S18	W37	.611	12752	18.2	30	1N	2	2340	2.06	2.62			F

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H α SOLAR FLARES

Confirmed

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MONTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP50542	21	0043	0057	0050	S18	H37	.611	12752	18.3	14	--N			.49				2 2 2 4
MANI	21	0043	0057	0050	S18	H37	.611	12752	18.3	14	--N	2	0050	.52	.66			
PALE	21	0049E	0050D	0050U	S17	H36	.595	12752	18.3	10	--N	3		.45				F
4 STATIONS REPORTING GROUP 50546. 0 STATIONS OBSERVING AND NOT REPORTING.																		
GRP50546	21	1306	1345	1314	S18	H44	.697	12752	18.2	39	--N			1.20				3 3 3 3
TEHR	21	1306	1341	1314	S18	H42	.673	12752	18.4	35	--N	2		1.00				F
ATHN	21	1311E	1342	1314	S18	H46	.720	12752	18.1	310	--B	3		1.49				F
RAMY	21	1312E	1351	1315	S17	H45	.707	12752	18.2	390	--N	4		1.11				F
50546	21	1314	1353	1324	S18	H48	.743	12752	18.0	39	*--N			1.13				3 3 3 4
RAMY	21	1312E	1351	1331	S17	H45	.707	12752	18.2	390	--N	4		1.30				F
ATHN	21	1316	1354	1322	S18	H51	.775	12752	17.7	38	--N	3		.83				DE
CATA	21	1320E	1340D	1320	S18	H45	.709	12752	18.2	200	--N	3	1320	.87	1.23		(186)	
CATA	21	1325	1340D	1325	S18	H52	.785	12752	17.7	150	--N	3	1325	.40	.65		(162)	
547 BOUL	21	1636	1726	1646	S17	H46	.719	12752	18.2	50	--F			.75	1.00			2
GRP50548	21	1816	1824	1816	S17	H43	.683	12752	18.5	8	--F			.40				3 3 2 5
BOUL	21	1751	1817	1812	S17	H43	.683	12752	18.5	26	--F			.43	.59			
RAMY	21	1812	1834	1815U	S17	H42	.671	12752	18.6	22	--F	2		.37				DE H
HUAN	21	1819	1821	1820	S18	H43	.685	12752	18.5	2	--F	1						
GRP50549	21	1824	1846	1830	S18	H44	.697	12752	18.5	22	--F			.42				2 2 2 5
BOUL	21	1820	1900	1829	S17	H44	.695	12752	18.5	40	--F			.32	.45			
HUAN	21	1828	1831	1830	S18	H43	.685	12752	18.5	3	--F	1		.52	.70			E
551 BOUL	21	2038	2051	2044	S18	H51	.775	12752	18.0	13	--F			.32	.51			3
GRP50552	21	2125	2132	2127	S17	H50	.763	12752	18.1	7	--F			.37				2 2 2 3
BOUL	21	2124	2132	2127	S17	H49	.753	12752	18.2	8	--F			.21	.32			
PALE	21	2125	2131	2127	S17	H51	.774	12752	18.1	6	--F	3		.45				F
PALE	21	2126E	2130	2127	S18	H50	.765	12752	18.1	40	--F	2		.52				DE
554 ABST	22	0758	0820	0802	S16	H58	.842	12752	18.0	22	--F			.90	1.60			E 4
556 MONT	22	0908	0915	0911	S17	H57	.833	12752	18.1	7	--F			.31				2
557 MONT	22	1118	1124	1119	S17	H58	.842	12752	18.1	6	--N			.41				4
558 HUAN	22	1426	1432	1428	S15	H42	.668	12747	19.5	6	--F	1		.21	.28			D 2
559 HUAN	22	1436	1455	1440	S18	H57	.834	12752	18.3	19	--N	2		.46	.83			E 2
GRP50560	23	0141	0204	0143	N10	E68	.939	12768	28.2	23	--F			.55				2 1 1 4
PALE	23	0141	0204	0143	N10	E68	.939	12768	28.2	23	--F	3		.55				F
MANI	23	0158	0211	0159	N12	E65	.923	12768	28.0	13	--F	2	0159	.21	.42			
GRP50561	23	0631	0653	0636	S16	H55	.814	12747	19.1	22	--F			.71				2 2 2 3
MANI	23	0628	0645	0634	S17	H54	.805	12747	19.2	17	--F	2	0634	.52	.86			F
ABST	23	0634	0700	0637	S15	H55	.813	12747	19.1	26	--N			.90	1.50			DK
562 ABST	23	0705	0745	0707	S16	H53	.794	12747	19.3	40	1F			1.35	2.20			56 EK 2
	23	1200	1230															NO FLARE PATROL
	23	1430	1440															NO FLARE PATROL
	23	1803	1810															NO FLARE PATROL
564 BOUL	23	1943	1949	1945	N15	E59	.887	12768	28.2	6	--F			.32	.63			3
565 BOUL	23	2133	2145D	2137	S16	H60	.860	12747	19.4	120	--F			.21	.43			1
	23	2140	2153															NO FLARE PATROL
	23	2155	2205															NO FLARE PATROL
	23	2207	2251															NO FLARE PATROL
GRP50566	23	2257	2300	2258	S17	H60	.860	12747	19.5	3	--B			.59				2 2 2 3
VORO	23	2257E	2300		S18	H60	.860	12747	19.5	30	--B			.46	.90			COJ
PALE	23	2257E	2258U	2258U	S16	H60	.860	12747	19.5	10	--N	2		.72				DE
GRP50567	23	2331	2338	2332	S17	H61	.868	12747	19.4	7	--N			.47				3 3 3 3
PALE	23	2330	2336D	2332	S15	H60	.859	12747	19.5	60	--N	2		.55				F
VORO	23	2331	2335	2332	S19	H61	.869	12747	19.4	4	--B			.46	.90			EJ
MANI	23	2332E	2344	2332U	S16	H61	.868	12747	19.4	120	--N	2	2332	.41	.76			F

H α SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _g	MAX. INT. %	
569 MANI	24	0554E	0606D	0554U	S18	W80	.979	12752	18.2	120	-N	2	0554	.41	1.08		2		
570 MANI	24	0605E	0606D	0605U	S17	W66	.906	12747	19.3	10	--F	2	0605	.21	.42		2		
	24	0639	0645	NO FLARE PATROL															
572 ABST	24	0658	0720	0702	S18	W88	.997	12752	17.7	22	1N	C	0702	.90		64	E		
	24	0830	0854	NO FLARE PATROL															
	24	1015	1035	NO FLARE PATROL															
	24	1225	1250	NO FLARE PATROL															
GRP50574	24	1403	1412	1408	S15	W69	.927	12747	19.4	9	-N			.59			5 5 4 5		
BOUL	24	1356	1414	1409	S14	W71	.939	12747	19.3	18	1N	C	1409	.75	2.07				
RAMY	24	1359	1413	1407	S16	W67	.913	12747	19.6	14	-N	3	C	.46			DE		
LOCA	24	1405	1413	1407	S15	W67	.914	12747	19.6	8	-N	V	1407	.63	1.40				
HUAN	24	1406	1410	1408	S14	W69	.927	12747	19.4	4	-N	2	C	1408	.52				
MEUD	24	1407	1411	1408	S15	W70	.933	12747	19.3	4	-N	C					DE		
RAMY	24	1407E	1413	1410U	S17	W66	.906	12747	19.6	60	-N	4	V	.37					
576 PALE	24	2005	2013	2007	S14	W72	.945	12747	19.4	8	--F	2	C	.27			3		
577 PALE	24	2315E	2317D	2315U	S17	W90	.999	12752	18.2	20	--F	2	C	.19			4		
	25	0304	0312	NO FLARE PATROL															
	25	0317	0328	NO FLARE PATROL															
	25	0334	0357	NO FLARE PATROL															
582 MANI	25	0357E	0401D	0357U	S16	W80	.980	12747	19.2	40	--F	1	0357	.62	1.59		F		
	25	0401	0405	NO FLARE PATROL															
	25	0507	0553	NO FLARE PATROL															
583 MANI	25	0744E	0755	0746U	S18	W84	.991	12747	19.0	110	--F	1	0746	.52	1.47		1		
GRP50584	25	0910	0916	0913	S17	W81	.983	12747	19.3	6	-N			.36			2 2 2 4		
MANI	25	0909E	0915D	0913U	S17	W81	.983	12747	19.3	60	-N	2	0913	.41	1.10				
MEUD	25	0911	0916	0913	S17	W80	.980	12747	19.4	5	-N	C	0913	.31			D		
585 MEUD	25	1033	1043	1037	S17	W80	.980	12747	19.4	10	--F	C	1037	.31			D		
586 MCHA	25	1348	1352	1350	S21	W90	.999	12747	18.8	4	--F	C	1350				3		
GRP50587	25	1820	1838	1828	S17	W89	.999	12747	19.1	18	-N			.40			4 4 2 4		
RAMY	25	1817	1837	1828	S17	W88	.998	12747	19.2	20	-N	3	C				DE		
BOUL	25	1817	1843	1827	S17	W90	.999	12747	19.0	26	-N	C	1827	.43	1.78				
PALE	25	1821	1836	1826	S16	W90	.999	12747	19.0	15	-N	3	C	.36			D		
MCHA	25	1824	1837	1829	S16	W89	.999	12747	19.1	13	-F	C	1829						
GRP50588	25	1846	2002	1921	S16	W90	.999	12747	19.0	76	-N			.58			3 3 2 3		
BOUL	25	1845	2012	1925	S17	W90	.999	12747	19.0	87	1N	C	1925	.75	3.11				
MCHA	25	1847	1904	1850	S16	W89	.999	12747	19.1	17	-N	C	1850				D		
PALE	25	1852E	1953	1912U	S16	W90	.999	12747	19.0	61D	-N	3	C				D		
MCHA	25	1908	2000	1925	S16	W89	.999	12747	19.1	52	-N	C	1925						
PALE	25	1912E	1935D	1914	S15	W90	.999	12747	19.0	230	-N	3	V	.41					
	26	0414	0428	NO FLARE PATROL															
	26	0450	0809	NO FLARE PATROL															
591 PALE	26	2039	2053	2044	N07	E66	.923	12773	31.8	14	--F	2	C	.23			DE		
	27	0455	0720	NO FLARE PATROL															
GRP50592	27	1500	1512	1504	N06	E53	.814	12773	31.6	12	--F			.22			3 3 3 5		
CATA	27	1500	1515	1505	N06	E52	.804	12773	31.5	15	-N	1	1505	.17	.29	(158)			
RAMY	27	1500	1512	1503	N08	E53	.819	12773	31.6	12	-F	3	C	.28			DE		
HUAN	27	1505E	1510		N05	E54	.822	12773	31.7	50	-F	1	P	.21	.34		D		
GRP50593	27	1747	1814	1750	N06	E56	.843	12773	31.9	27	--F			.42			2 2 2 3		
HUAN	27	1747	1752D	1749	N05	E57	.850	12773	1.0	50	-F	1	P	.21	.39		D		
PALE	27	1749E	1814	1751U	N07	E55	.835	12773	31.9	250	-F	2	V	.62			DE		
	27	1945	1950	NO FLARE PATROL															

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H α SOLAR FLARES

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FEBRUARY 1974

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND.	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	FEB																	
	27	2007	2011	NO FLARE	PATROL													
	28	0500	0555	NO FLARE	PATROL													
	28	0557	0604	NO FLARE	PATROL													
	28	0614	0720	NO FLARE	PATROL													
	28	0725	0735	NO FLARE	PATROL													
594 HUAN	28	2023	2055	2032	N13	N13	.406	12768	27.9	32	--N	2	C	2032	.41	.45		3

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

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

Note:

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

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

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

DAILY FLARE INDICES								
Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
740205	0.00	23.7	740214	0.00	21.6	740221	7.60	24.0
740207	0.00	23.9	740215	10.40	22.0	740223	12.66	22.1
740208	0.00	23.8	740216	17.21	23.6	740224	7.02	22.8
740209	9.75	24.0	740217	1.67	22.2	740225	3.30	22.5
740210	0.00	23.9	740218	4.66	23.9	740226	0.00	20.5
740211	20.69	24.0	740219	0.00	15.7	740227	0.00	21.4
740213	47.87	21.0	740220	50.28	22.4	740228	0.00	21.7

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

Errata: In the H α Solar Flare tables for January 1974 reported in *Solar-Geophysical Data* Part II, pp 4-11, several McMath Plage Region numbers were replaced by Mt. Wilson Sunspot Region numbers. The following changes should be made:

Mt. Wilson No.	McMath Plage Region No.	Mt. Wilson No.	McMath Plage Region No.	Mt. Wilson No.	McMath Plage Region No.
19311	12686	19315	12703	19324	12694
19312	12694	19317	12706	19325	12708
19313	12702	19318	12700	19326	12703
19314	12703	19321	12706		

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H α SOLAR FLARES

Unconfirmed

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE FEB	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCARTH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
450 PALE	07	0218E	0227	0220U	N09	E86	.999	12740	13.5	9D	-F	2 V		.36				4
452 MANI	08	0249E	0252D	0249U	S15	E84	.992	12742	14.4	3D	-N	2	0249	.31	.86			4
453 MANI	08	0624E	0635D	0624U	S15	E82	.987	12742	14.4	11D	-F	2	0624	.52	1.38			3
456 PALE	08	1840	1906	1841	S17	E74	.956	12742	14.3	26	-F	2 C		.36				DE 4
457 PALE	08	2017E	2031	2020	S17	E72	.945	12742	14.2	14D	-F	3 C		.19				F 5
461 MONT	09	0812E	0833	0816	S18	E68	.921	12742	14.4	21D	-N	C	0816	.31				6
462 MONT	09	0902	0912	0905	S18	E68	.921	12742	14.5	10	-N	C	0905	.21				DH 6
464 ATHN	10	0945	1003	0948	S25	E46	.739	12742	13.9	18	-F	3 C		.33				DE 4
466 ATHN	10	0950	1006	0955	S18	E51	.777	12742	14.2	16	-F	3 C		.33				DE 4
469 PALE	11	0035	0040	0036	S18	E47	.733	12742	14.5	5	-N	2 V		.21				DE 4
471 PALE	11	2231E	2240	2233U	S22	E38	.639	12742	14.8	9D	-F	3 V		.21				3
473 UPIC	12	1340E	1349		S09	E20	.341	12742	14.1	9D	-F	P	1340	.85				4
475 PALE	13	0201	0212	0203U	N08	W60	.880	12733	8.6	11	-F	3 V		.36				3
506 MANI	17	0524	0548	0536	S17	E11	.254	12752	18.1	24	-N	2	0536	1.65	1.71			F 3
509 ABST	17	0853	0921	0859	S17	E08	.221	12752	18.0	28	1N	C	0859	2.25	2.30		86	EK 4
510 MEUD	17	1111	1125	1112	S16	W49	.752	12742	13.8	14	-F	C	1112	.72	1.10			E 5
511 UPIC	17	1152E	1345U		S17	E07	.211	12752	18.0	113D	1F	P	1159	2.10				5
512 UPIC	17	1325E	1345U		S19	E21	.402	12747	19.1	20D	-F	P	1338	.63				3
514 MANI	18	0404E	0406D	0404U	S18	W54	.806	12742	14.1	2D	-F	2	0404	.52	.86			3
522 BOUL	18	1847	1903	1850	S13	W64	.892	12742	14.0	16	-F	C	1850	.11	.24			4
532 MANI	20	0609	0635	0620	S19	W32	.549	12752	17.9	26	-F	2	0620	.62	.75			4
543 MANI	21	0332E	0336	0332U	S18	W42	.673	12752	18.0	4D	-F	2	0332	.31	.42			4
GRP50544	21	0803	0817	0812	S18	W44	.697	12752	18.0	14	-N			.52				2 2 2 7
ATHN	21	0758E	0809	0800	S18	W45	.709	12752	18.0	11D	-N	3 V		.50				DE
MONT	21	0807	0813	0810	S17	W42	.671	12752	18.2	6	-N	C	0810	.21				F
ATHN	21	0810	0820	0813	S18	W48	.743	12752	17.7	10	-N	3 V		.83				
545 ATHN	21	0822	0830	0824	S18	W42	.673	12752	18.2	8	-F	3 V		.33				DE 7
550 PALE	21	1902	1909	1905	S17	W44	.695	12752	18.5	7	-F	3 C		.45				DE 4
553 MANI	22	0047	0100	0050	S17	W46	.719	12752	18.6	13	-F	2	0050	.62	.91			HF 3
555 ABST	22	0826	0859	0829	S15	W40	.643	12747	19.4	33	1N	P	0829	1.79	2.40		76	EH 4
563 MANI	23	0818	0841	0824	S16	W56	.823	12747	19.1	23	-F	2	0824	.41	.70			3
568 MANI	24	0223E	0232D	0223U	S16	W62	.876	12747	19.4	9D	-F	2	0223	.31	.59			H 3
571 MANI	24	0625E	0628D	0625U	S18	W80	.979	12752	18.3	3D	-F	2	0625	.41	1.08			4
573 MANI	24	0732E	0744	0732U	S16	W71	.939	12747	19.0	12D	-N	1	0732	.31	.67			3
575 PALE	24	1835E	1840	1836U	S17	W71	.939	12747	19.4	5D	-F	3 V		.26				3
578 MANI	25	0014E	0020	0014U	S19	W80	.979	12747	19.0	6D	-N	2	0014	.21	.54			H 4
579 MANI	25	0027E	0055	0032	S16	W79	.976	12747	19.1	28D	-F	2	0032	.31	.80			4
580 MANI	25	0027E	0055	0040	S16	W79	.976	12747	19.1	28D	-F	2	0040	.31	.80			3
581 MANI	25	0050	0100	0056U	N15	E43	.744	12768	28.3	10	-F	2	0056	.31	.47			F 3
589 BOUL	25	2016	2126	2058	S17	W90	.999	12747	19.1	7D	1N	C	2058	.54	2.22			4
590 BOUL	25	2250	2305	2301	S17	W90	.999	12747	19.2	15	-F	C	2301	.21	.89			4