

SOLAR FLARES
REVISED

FEBRUARY 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS
	DATE	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 Ha	
GRP 3138	01	0000	0009	0004	S25	W32	.588	8667	29.6	9	1-		.35				1 1 1
SACP	01	0000E	0009	0004	S25	W32	.588	8667	29.6	9D	-F	C	.39	.42			
GRP 3139	01	0308	0318	0313	S24	W35	.617	8667	29.5	10	1-		.50				1 1 1
MITK	01	0308	0318	0313	S24	W35	.617	8667	29.5	10	-F	C	.72	.90			E
GRP 3140	01	0414	0428		N19	W01	.423	8670	1.1	14	1-		.81				1 1 1
MANI	01	0414E	0428D		N19	W01	.423	8670	1.1	14D	-F	2	.88	.98			1 1 1
GRP 3141	01	0446	0500		N28	E78	.991	8680	7.0	14	1-		.79				1 1 1
MITK	01	0446	0500	0449	N28	E78	.991	8680	7.0	14	1F	C	1.13				2 2 2
GRP 3142	01	0537	0545		S27	W31	.590	8667	29.9	8	1-		.42				2 2 2
MANI	01	0537E	0545		S29	W26	.554	8667	30.3	8D	-F	2	.52	.63			
MITK	01	0538E	0545		S25	W35	.623	8667	29.6	7D	-F	C	.52	.70			D
GRP 3143	01	0538	0546		S35	W30	.643	8667	30.0	8	1-		.50				1 1 1
MITK	01	0538E	0546		S35	W30	.643	8667	30.0	8D	-F	C	.72	1.60			0G
GRP 3144	01	0649	0655	0651	S29	W27	.564	8667	30.3	6	1-		.56				1 1 1
MANI	01	0649	0655D	0651	S29	W27	.564	8667	30.3	6D	-N	2	.62	.73			
GRP 3145	01	0745	0805		S25	W37	.645	8667	29.5	20	1-						1 1 0
ISTA	01	0745E	0805		S25	W37	.645	8667	29.5	20D	1N						
GRP 3146	01	0750	0805		N25	W90	1.001	8659	25.6	15	1-						1 1 0
ISTA	01	0750	0805		N25	W90	1.001	8659	25.6	15	1N						
GRP 3147	01	0750	0820		S22	E33	.583	8673	3.8	30	1-						1 1 0
ISTA	01	0750	0820		S22	E33	.583	8673	3.8	30	-F						
GRP 3148	01	0835	0855		N13	E13	.390	8671	2.3	20	1-		1.00				3 3 2
ISTA	01	0835E	0855		N14	E12	.395	8671	2.3	20D	-N						
CAPS	01	0840E	0850D		N12	E12	.368	8671	2.3	10D	-N	2	0844	1.10	1.20	164	CE
MANI	01	0844E	0848D		N14	E14	.412	8671	2.4	4D	-N	1	0846	.93	.93		
GRP 3149	01	1038	1101		N27	E65	.945	8680	6.3	23	1-						1 1 0
KHAR	01	1038	1101D		N27	E65	.945	8680	6.3	23D	1F	V	1051			2.60	DK
GRP 3150	01	1332	1414		N13	W90	1.000	8659	25.8	42	1-		.24				1 1 1
HUAN	01	1332E	1414D		N13	W90	1.000	8659	25.8	42D	-F	1	1334	.36			E
GRP 3151	01	1723	1750		N17	E13	.444	8671	2.7	27	1-		.86				1 1 1
HUAN	01	1723E	1750D		N17	E13	.444	8671	2.7	27D	-F	1	1734	.95	.95		E
GRP 3152	01	1739	1746		S23	W79	.976	8661	26.8	7	1-		.15				1 1 1
HUAN	01	1739	1746		S23	W79	.976	8661	26.8	7	-F	1	1743	.21			D
GRP 3153	01	2221	2230	2234	S21	E24	.464	8673	3.7	29	1-		.47				4 4 4
HALE	01	2215E	2232D		S20	E24	.457	8673	3.7	17D	-N	1	2230	.21	.21		
LOCK	01	2223E	2242	2233	S22	E23	.460	8673	3.7	19D	-F	C	2233	.50	.60	10	
SACP	01	2224	2300	2235	S21	E23	.452	8673	3.7	36	-F	C		.67	.68		
HUAN	01	2233E	2248		S21	E24	.464	8673	3.7	15D	-N	1	2234	.57	.58		E
GRP 3154	01	2320	2322	2321	N28	E60	.921	8680	6.5	2	1-		.18				1 1 1
HALE	01	2320	2322	2321	N28	E60	.921	8680	6.5	2	-N	2	2321	.15			
GRP 3155	02	0030	0041	0035	S22	E23	.459	8673	3.7	11	1-		.40				1 1 1
LOCK	02	0030	0041	0035	S22	E23	.459	8673	3.7	11	-F	C	0035	.40	.40	10	
GRP 3156	02	0110	0125	0112	S26	E21	.473	8673	3.6	15	1-		1.37				1 1 1
MITK	02	0110	0125	0112	S26	E21	.473	8673	3.6	15	1F	C	0112	1.86	2.10		F
GRP 3157	02	0145	0226	0154	N29	E62	.934	8680	6.7	41	1-		1.37				2 1 1
MITK	02	0145	0226	0154	N29	E62	.934	8680	6.7	43	1N	C	0154	1.86			F
MANI	02	0211E	0223		N29	E62	.934	8680	6.7	12D	1N	2	0213	.98	2.10		
GRP 3158	02	0248	0311	0254	S24	E18	.421	8673	3.5	23	1-		.25				1 1 1
HALE	02	0248E	0311	0254	S24	E18	.421	8673	3.5	23D	-N	2	0254	.21	.21		
GRP 3159	02	0311	0328	0317	N29	E60	.924	8680	6.6	17	1-		.18				1 1 1
HALE	02	0311	0328	0317	N29	E60	.924	8680	6.6	17	-N	2	0317	.15			
GRP 3160	02	0314	0344	0338	S15	E52	.786	8681	6.0	30	1-		.18				1 1 1
HALE	02	0314	0344D	0338	S15	E52	.786	8681	6.0	30D	-N	2	0338	.15	.30		
GRP 3161	02	0316	0344	0318	N10	E72	.959	8682	7.5	28	1-		.31				1 1 1
HALE	02	0316	0344D	0318	N10	E72	.959	8682	7.5	28D	-N	2	0318	.26			
	02	1200	1215					NO FLARE PATROL									
	02	1225	1300					NO FLARE PATROL									
	02	1310	1415					NO FLARE PATROL									
	02	1420	1445					NO FLARE PATROL									
	02	1450	1510					NO FLARE PATROL									
GRP 3162	02	1549	1557	1551	S26	W57	.846	8667	29.4	8	1-		.42				1 1 1
HUAN	02	1549	1557	1551	S26	W57	.846	8667	29.4	8	-N	1	1551	.50	.68		D
GRP 3163	02	1603	1645	1605	S25	W57	.844	8667	29.4	42	1-		.82				1 1 1
LOCK	02	1603E	1645	1605U	S25	W57	.844	8667	29.4	42D	-F	C	1605	.80	1.40	10	H
GRP 3164	02	1818	1827	1820	S25	W57	.844	8667	29.5	9	1-		.40				1 1 1
LOCK	02	1818	1827	1820	S25	W57	.844	8667	29.5	9	-F	C	1820	.40	.70	10	H
GRP 3165	02	1857	1911	1859	S24	E28	.534	8681	4.9	14	1-		.40				1 1 1
LOCK	02	1857	1911	1859	S24	F28	.534	8681	4.9	14	-F	C	1859	.40	.50	10	
GRP 3166	02	1918	1938	1923	N21	E34	.682	8680	5.4	20	1-		.25				1 1 1
HALE	02	1918	1938	1923U	N21	E34	.682	8680	5.4	20	-N	1	1923	.21	.30		

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	DATE	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 Ha	MAX. INT.				
1967 FEB																						
GRP 3194	04	1458	1511	4504	N18	E70	.957	8684	9.9	13	1-					1	1	1				
LOCA	04	1458	1511	4504	N18	E70	.957	8684	9.9	13	1N	V	1504	1.51								
GRP 3195	04	1641	1902	1700	N11	E40	.687	8682	7.7	141	2			1.68				3	2	2		
LOCK	04	1640	1915	1700	N11	E40	.687	8682	7.7	155	2B	C	1700	5.02								
SACP	04	1642	1835	1658	N11	E40	.687	8682	7.7	113	2B	C		4.00	5.60		30	L				
HALE	04	1708E	1917	1718	N10	E39	.670	8682	7.6	129D	1B	2	P	1718	5.81	6.70						
GRP 3196	04	1657	1710	1700	S21	W14	.343	8673	3.7	13	1-			3.30	4.40							
LOCK	04	1657	1710	1700	S21	W14	.343	8673	3.7	13	-F	C	1700	.50				1	1	1		
GRP 3197	04	1759	1813	1801	N21	E64	.930	8684	9.5	14	1-			.50	.60		10					
HALE	04	1759	1813	1801	N21	E64	.930	8684	9.5	14	-N	2	C	1801	.18				1	1	1	
GRP 3198	04	2137	2210	2146	N19	E57	.879	8684	9.2	33	1-			.15					1	1	1	
HALE	04	2137	2210	2146	N19	E57	.879	8684	9.2	33	-F	1	C	2146	.25					1	1	1
GRP 3199	04	2232	2247	2237	N21	E61	.912	8684	9.5	15	1-			.43					1	1	1	
HALE	04	2232	2247	2237	N21	E61	.912	8684	9.5	15	-N	1	C	2237	.36					1	1	1
GRP 3200	04	2250	2308	2255	N32	E21	.684	8680	6.5	18	1-			.68					1	1	1	
HALE	04	2250	2308	2255	N32	E21	.684	8680	6.5	18	-F	1	C	2255	.57	.80				F		
GRP 3201	04	2323	2334	2326	S18	W15	.322	8673	3.8	11	1-			.47					2	2	2	
HALE	04	2323	2334	2326	S22	W16	.376	8673	3.8	11	-N	1	C	2325	.36	.40						
LOCK	04	2323	2334	2326	S14	W14	.273	8673	3.9	11	-F	C	2326	.50	.60		10					
GRP 3202	05	0057	0156	0120	N18	E59	.891	8684	9.5	59	1-			.25					1	1	1	
HALE	05	0057	0156	0120U	N18	E59	.891	8684	9.5	59	-N	2	C	0120	.21	.50						
GRP 3203	05	0326	0410	0330	N21	E55	.879	8684	9.3	44	1-			1.00					1	1	1	
HALE	05	0326	0410D	0330U	N21	E55	.870	8684	9.3	44D	-N	1	P	0330	.83	1.70						
GRP 3204	05	0408	0434	0413	N14	W37	.668	8671	2.4	26	1-			1.61					4	4	4	
HALE	05	0405	0410D	0408U	N15	W36	.663	8671	2.5	5D	-N	1	P	0408	1.03	1.40				F		
MITK	05	0408	0428	0411	N14	W37	.668	8671	2.4	20	1N	C	0411	2.78	3.70					F		
KODA	05	0410	0420	0416	N13	W38	.674	8671	2.3	10	1F	C	0415	2.58	3.50	1.72					E	
CRON	05	0412E	0453	0415	N14	W37	.668	8671	2.4	41D	-N	C		.40	.50		200			H		
GRP 3205	05	0625	0640	0628	N15	W45	.759	8670	1.9	15	1-			.20					1	1	1	
CRON	05	0625	0640	0628	N15	W45	.759	8670	1.9	15	-N	C		.20	.30		200					
GRP 3206	05	0750	0802	0752	N15	W45	.759	8670	2.0	12	1-			.20					1	1	1	
CRON	05	0750	0802	0752	N15	W45	.759	8670	2.0	12	-N	C		.20	.30		200					
	05	1115	1130	NO FLARE PATROL																		
	05	1200	1405	NO FLARE PATROL																		
GRP 3207	05	1410	1545	1410	S18	E13	.297	8681	6.6	95	1			3.85					2	1	1	
SACP	05	1410E	1555U	1410E	S18	E13	.297	8681	6.6	105U	1N	C		3.93	3.87							
LOCA	05	1430E	1535		S18	E12	.285	8681	6.5	65D	2N	S	1430	6.30	6.60							
GRP 3208	05	1430	1520		S25	W02	.322	8681	5.5	50	1-			2.18					1	1	1	
LOCA	05	1430E	1520		S25	W02	.322	8681	5.5	50D	1N	S	1430	2.73	2.90					G		
GRP 3209	05	1552	1610	1555	N22	E50	.834	8684	9.4	18	1-			1.13					2	1	1	
SACP	05	1552	1610	1555	N21	E49	.822	8684	9.3	18	-N	C		1.25	1.71							
HUAN	05	1600E	1605D		N23	E50	.838	8684	9.4	5D	-F	1	P	1601	.25	.34				D		
GRP 3210	05	1619	1625	1621	N28	E09	.579	8680	6.4	6	1-			.29					1	1	1	
LOCK	05	1619	1625	1621	N28	E09	.579	8680	6.4	6	-F	C	1621	.30	.40		10			H		
GRP 3211	05	1817	1900	1824	N18	E57	.877	8684	10.0	43	1-			.30					3	3	3	
LOCK	05	1816	1900	1824	N17	E57	.874	8684	10.0	44	-F	C	1824	.50	1.00		10					
HALE	05	1818	1823D	1823U	N19	E57	.879	8684	10.0	5D	-N	1	P	1823	.15	.30						
HUAN	05	1818	1845D		N19	E57	.879	8684	10.0	27D	-N	1	P	1825	.25	.32					D	
GRP 3212	05	1922	1933	1925	N17	W49	.806	8671	2.1	11	1-			.36					2	2	2	
HALE	05	1922	1933	1925	N20	W47	.800	8671	2.3	11	-N	2	C	1925	.31	.50					F	
HUAN	05	1923E	1925D		N13	W51	.811	8671	2.0	6D	-N	1	P	1925	.41	.53					D	
GRP 3213	05	1922	2004	1929	N20	E53	.851	8684	9.8	42	1-			.52					2	2	2	
HALE	05	1922	2004D	1929	N20	E52	.843	8684	9.7	42D	-N	2	P	1929	.52	1.00						
HUAN	05	1923E	1950D		N19	E53	.848	8684	9.8	33D	-F	1	P	1950	.52	.77					D	
GRP 3214	05	1935	2045	1950	N15	E33	.630	8682	8.3	70	1-			.29					1	1	1	
LOCK	05	1935	2045	1950	N15	E33	.630	8682	8.3	70	-F	C	1950	.30	.40		10					
GRP 3215	05	2100	2135	2115	N17	E57	.874	8684	10.2	35	1-			.40					1	1	1	
LOCK	05	2100	2135	2115	N17	E57	.874	8684	10.1	35	-F	C	2115	.40	.80		10			J		
GRP 3216	05	2224	2245	2231	S04	E04	.080	8681	6.2	21	1-			.31					1	1	1	
HALE	05	2224	2245D	2231	S04	E04	.080	8681	6.2	21D	-N	2	P	2231	.26	.30						
GRP 3217	05	2347	0008	2342	N20	E62	.916	8684	10.6	21	1-			.49					2	1	1	
SACP	05	2338	2355U	2342	N22	E67	.948	8684	11.0	17U	-N	C		.54	1.04							
LOCK	05	2355	0020	0010	N17	E57	.874	8684	10.3	25	-F	C	0010	.50	1.00		10					
GRP 3218	06	0010	0020		N17	E54	.850	8684	10.1	10	1-			.47					1	1	1	
IKOM	06	0010	0020D		N17	E54	.850	8684	10.1	10D	-F	V	0010	.83	1.50						E	
GRP 3219	06	0207	0212		N21	E90	1.001	8687	12.8	5	1-			.16					1	1	1	
MANI	06	0207E	0212		N21	E90	1.001	8687	12.8	5D	-F	2		.21	.65							
GRP 3220	06	0300	0320	0304	N20	E90	1.001	8687	12.9	20	1-			.32					1	1	1	
MANI	06	0300E	0320	0304	N20	E90	1.001	8687	12.9	20D	-N	2		.41	1.28					</		

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	DATE	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
1967 FEB																	
GRP	3222	06 0645	0714	0649	N07	E24	.460	8682	8.1	33	1-						
	CRON	06 0644	0733	0650	N03	E26	.463	8682	8.2	49	-N					2 2 2	
	MITK	06 0645	0702	0647	N10	E22	.459	8682	7.9	17	-F	C	0647	1.00	1.10	200	EIL
GRP	3223	06 0818	0930		N20	E43	.764	8684	9.6	72	1			1.03			1 1 1
	MONT	06 0818E	0930		N20	E43	.764	8684	9.6	72D	1F	C		1.03			0
GRP	3224	06 0900	0940		N19	E90	1.001	8687	13.1	40	1			.37			1 1 1
	ARCE	06 0900E	0940D		N19	E90	1.001	8687	13.1	40D	1N	C	0930	.37	2.10		
GRP	3225	06 1221	1259	1225	N23	E38	.735	8684	9.4	38	1-			.52			2 2 1
	ONDE	06 1219E	1257		N22	E37	.719	8684	9.3	38D	-N	V	1220			2.10	CD
	MONT	06 1222	1300D	1225	N23	E39	.744	8684	9.4	38D	-N	C	1225	.52			OD
GRP	3226	06 1352	1357	1354	N19	E39	.720	8684	9.5	5	1-			.88			1 1 1
	MEUD	06 1352	1357	1354	N19	E39	.720	8684	9.5	5	-N	C	1354	1.03	1.40		D
GRP	3227	06 1424	1450	1430	N19	E39	.720	8684	9.5	26	1-			.88			3 2 2
	MCMA	06 1423	1448	1435	N19	E38	.710	8684	9.4	25	-N	C	1435	.83	1.20		EK
	MEUD	06 1424	1420	1425	N19	E39	.720	8684	9.5	3D	-N	C	1425	.72	1.00		D
	HUAN	06 1444E	1450D		N19	E41	.739	8684	9.7	7D	-F	1 P	1450	.45	.55		E
NO FLARE PATROL																	
GRP	3228	06 1833	1933	1849	N26	E84	.999	8687	13.1	60	2-			1.75			4 3 2
	LOCK	06 1825	2015	1849	N25	E83	.998	8687	13.0	110	2N	C	1849	2.80	9.50	20	H
	MCMA	06 1838E	1915D	1844	N25	E90	1.001	8687	13.5	37D	2N	C	1844				A
	HALE	06 1840	1918	1853U	N28	E73	.979	8687	12.3	38	1B	1 C	1853	.72			F
	HUAN	06 1853E	1917		N27	E88	1.000	8687	13.4	14D	-F	1 P	1853	.88			E
GRP	3229	06 1851	1919	1853	N24	E41	.768	8684	9.9	28	1-			.49			1 1 1
	HALE	06 1851	1919D	1853	N24	E41	.768	8684	9.9	28D	-N	1 P	1853	.41	.60		
GRP	3230	06 1926	1945	1932	N19	E39	.720	8684	9.7	19	1-			.82			2 2 2
	HUAN	06 1926	1930D		N18	E39	.714	8684	9.7	5D	-N	1 P	1930	.70	.84		
	MCMA	06 1926	1945D	1932	N19	E38	.710	8684	9.7	19D	-N	C	1932	.72	1.00		E
GRP	3231	06 2023	2045	2030	N20	E81	.994	8687	12.9	22	1			.68			2 2 2
	LOCK	06 2020	2045	2030	N19	E83	.997	8687	13.1	25	1F	C	2030	.70	2.40	10	H
	HALE	06 2025	2045	2030	N21	E79	.991	8687	12.8	20	1N	1 C	2030	.62			
GRP	3232	06 2028	2050	2035	N23	E39	.744	8684	9.8	22	1-			.82			1 1 1
	LOCK	06 2028	2050	2035	N23	E39	.744	8684	9.8	22	-F	C	2035	.80	1.20	10	L
GRP	3233	06 2250	0025	2320	S26	W05	.346	8681	6.6	95	1-			.29			1 1 1
	LOCK	06 2250	0025D	2320	S26	W05	.346	8681	6.6	95D	-F	C	2320	.30	.30	10	L
GRP	3234	06 2337	2345	2340	N20	E83	.997	8687	13.2	8	1-			.25			1 1 1
	LOCK	06 2337	2345	2340	N20	E83	.997	8687	13.2	8	-F	C	2340	.30	1.00	10	H
GRP	3235	07 0128	0154	0137	N18	E35	.673	8684	9.7	26	1+			1.50			4 3 3
	CRON	07 0109	0157	0135	N17	E34	.655	8684	9.6	48	1N	C		1.90	2.50	200	
	MITK	07 0130	0150	0139	N18	E34	.663	8684	9.6	20	1B	C	0139	1.55	2.10		E
	MANI	07 0130E	0155	0136	N20	E33	.667	8684	9.5	25D	1B	3	0136	1.65	2.26		
	IKOM	07 0144	0153		N17	E40	.719	8684	10.1	9	1N	V	0144	2.89	4.00	120	E
GRP	3236	07 0245	0258	0248	N21	E81	.994	8687	13.2	13	1-			.28			1 1 1
	MANI	07 0245	0258	0248	N21	E81	.994	8687	13.2	13	-F	2	0248	.36	.99		
GRP	3237	07 0341	0414	0354	N19	E34	.673	8684	9.7	33	1-			.91			3 3 3
	HALE	07 0338	0410D	0357U	N18	E33	.652	8684	9.6	32D	-B	2 P	0357	1.13	1.50		EF
	MITK	07 0341	0410	0353	N18	E33	.652	8684	9.6	29	-N	C	0353	1.44	1.90		E
	MANI	07 0344	0417	0353	N20	E35	.687	8684	9.8	33	-B	2	0353	.41	.56		
GRP	3238	07 0500	0540		N17	E35	.666	8684	9.8	40	1-			.62			1 1 1
	IKOM	07 0500E	0540		N17	E35	.666	8684	9.8	40D	-N	V	0533	1.03	1.30		D
GRP	3239	07 0624	0640	0631	N18	E32	.642	8684	9.7	16	1			2.10			2 2 2
	SIBE	07 0623	0630D	0629	N18	E33	.652	8684	9.7	10D	1F	C	0629	2.85	3.70	75	E
	MITK	07 0625	0640	0632	N17	E31	.623	8684	9.6	15	1B	C	0632	2.27	3.00		E
GRP	3240	07 0720	0755		N16	E30	.605	8684	9.6	35	2-						1 1 0
	ONDE	07 0720E	0755		N16	E30	.605	8684	9.6	35D	2F	V	0735			1.50	BJ
GRP	3241	07 0800	0828		S22	W68	.922	8673	2.2	28	1-						1 1 0
	ONDE	07 0800E	0828		S22	W68	.922	8673	2.2	28D	-F	V					D
GRP	3242	07 0924	0939		N17	E33	.645	8684	9.9	15	1-			1.95			1 1 1
	ARCE	07 0924E	0939D		N17	E33	.645	8684	9.9	15D	1F	C	0925	1.85	2.30		
GRP	3243	07 0939	0949	0939	S30	E40	.699	8685	10.4	10	1-			.31			1 1 1
	ARCE	07 0939	0949	0939	S30	E40	.699	8685	10.4	10	-N	C	0939	.31	.40		D
GRP	3244	07 0943	1006	0944	N14	E10	.386	8682	8.2	23	1-			1.15			2 2 1
	WENU	07 0942	1011		N14	E10	.386	8682	8.2	29	-N						
	ARCE	07 0944	1000	0944	N13	E10	.371	8682	8.2	16	-N	C	0944	1.06	1.20		H
GRP	3245	07 0950	1003	0956	N19	E77	.985	8687	13.2	13	1-			1.04			2 2 2
	WENU	07 0945E	1003D		N18	E74	.974	8687	13.0	18D	1F	V		4.13			
	ARCE	07 0954	1000D	0956	N19	E80	.992	8687	13.4	6D	-N	C	0956	.43	1.40		
GRP	3246	07 1025	1125	1037	N19	E30	.629	8684	9.7	60	2			6.39			2 1 1
	WENU	07 1025	1125	1037	N18	E29	.610	8684	9.6	60	2B	V		8.25			
	CAPS	07 1054E	1110D		N19	E30	.629	8684	9.7	17D	1N	1					F
GRP	3247	07 1124	1134		N18	E74	.974	8687	13.0	10	1-						1 1 0
	WENU	07 1124	1134		N18	E74	.974	8687	13.0	10	-N						

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg	MAX. INT. %		
GRP 3248	07	1136	1212		N18 E74	.974	8687	13.0	36	1+							1 1 1	
WENU	07	1136	1212		N18 E74	.974	8687	13.0	36	2N	V		2.00					
GRP 3249	07	1148	1223		N15 E11	.407	8682	8.3	35	1-			5.16				1 1 1	
WENU	07	1148	1223		N15 E11	.407	8682	8.3	35	1N	V		1.24					
GRP 3250	07	1200	1210		N19 E35	.680	8684	10.1	10	1-			3.09				1 1 0	
WENU	07	1200	1210		N19 E35	.680	8684	10.1	10	-N								
GRP 3251	07	1255	1333		N17 E73	.969	8687	13.0	38	1+			2.82				1 1 1	
WENU	07	1255E	1333D		N17 E73	.969	8687	13.0	38D	2F	V		6.19					
GRP 3252	07	1456	1530	1458	N20 E26	.598	8684	9.6	34	1-			.87				1 1 1	
MCHA	07	1456	1530	1458	N20 E26	.598	8684	9.6	34	-N	C	1458	.62	.80			E	
GRP 3253	07	1507	1529	1509	N25 E84	.999	8687	13.9	22	1-			1.69				2 2 1	
SACP	07	1506	1533	1510	N26 E83	.998	8687	13.9	27	1N	C		1.88					
MCHA	07	1507	1525	1508	N24 E85	.999	8687	14.0	18	-N	C	1508					EH	
GRP 3254	07	1556	1632	1600	N19 E28	.609	8684	9.8	36	1-			1.11				2 2 2	
MCHA	07	1555	1634	1559	N20 E28	.618	8684	9.8	39	-B	C	1559	.72				E	
SACP	07	1557	1629	1600	N18 E28	.600	8684	9.8	32	-N	C		1.34	1.45				
GRP 3255	07	1633	1640	1635	S26 E37	.647	8685	10.5	7	1-			.49				1 1 1	
SACP	07	1633	1640	1635	S26 E37	.647	8685	10.5	7	-F	C		.54	.60				
GRP 3256	07	1710	1749	1719	N19 E26	.589	8684	9.7	39	1-			.49				1 1 1	
HALE	07	1710E	1749	1719	N19 E26	.589	8684	9.7	39D	-N	2 P	1719	.41	.50			E	
GRP 3257	07	1804	1811	1805	N19 E25	.579	8684	9.6	7	1-			1.12				4 4 4	
SACP	07	1801	1811	1803	N18 E26	.580	8684	9.7	10	-N	C		.90	.95				
MCHA	07	1802	1855	1806	N20 E27	.608	8684	9.8	53	-B	C	1806	1.34	1.60			E	
LOCK	07	1802	1830	1804	N18 E26	.580	8684	9.7	28	-N	C	1804	1.20	1.40			20	
HALE	07	1804	1825	1806	N18 E23	.550	8684	9.5	21	-N	2 C	1806	.41	.50			IJ	
GRP 3258	07	1812	1840	1820	N19 E25	.579	8684	9.6	28	1-			.94				3 2 2	
MCHA	07	1802	1855	1818	N20 E27	.608	8684	9.8	53									
HOUS	07	1810	1845	1823	N21 E23	.581	8684	9.5	35	-N	C		.60	.70			200	
SACP	07	1815	1846	1820	N18 E25	.569	8684	9.6	31	-N	C		1.42	1.52				
GRP 3259	07	1910	1931	1921	N19 E25	.579	8684	9.7	21	1-			1.10				1 1 1	
HOUS	07	1910	1931	1921	N19 E25	.579	8684	9.7	21	-N	C		1.10	1.30			200	
GRP 3260	07	1939	2017	1945	N19 E25	.579	8684	9.7	38	1-			1.04				5 4 4	
MCHA	07	1938	2010D	1945	N20 E27	.608	8684	9.8	32D	-N	C	1945	.93	1.20			E	
HALE	07	1938	2032	1946	N19 E22	.550	8684	9.5	54	-N	1 C	1946	.62	.70				
HOUS	07	1939	2015	1944	N20 E26	.598	8684	9.8	36	-N	C		1.30	1.70			200	
LOCK	07	1941	1952	1945	N18 E26	.580	8684	9.8	11	-F	C	1945	.80	1.00			10	
HUAN	07	2004E	2030		N19 E25	.579	8684	9.7	26D	1F	1 P	2004	3.20	3.42			U	
GRP 3261	07	1955	2042	1958	N22 E67	.948	8687	12.9	17	1-			.25				1 1 1	
HALE	07	1955	2012	1958	N22 E67	.948	8687	12.9	17	-N	1 C	1958	.21					
GRP 3262	07	2015	2032	2017	N29 W23	.666	8680	6.1	17	1-			.37				1 1 1	
HALE	07	2015	2032	2017	N29 W23	.666	8680	6.1	17	-N	1 C	2017	.31	.40			C	
GRP 3263	07	2051	2113	2058	N18 E26	.580	8684	9.8	22	1-			.94				4 4 4	
LOCK	07	2050	2117	2103	N18 E26	.580	8684	9.8	27	-F	C	2103	1.00	1.20			10	
HALE	07	2051	2116	2057	N18 E24	.559	8684	9.7	25	-B	2 C	2057	.93	1.10			EF	
HOUS	07	2052	2105	2055	N18 E26	.580	8684	9.8	13	-N	C		.90	1.10			200	
HUAN	07	2052	2100D		N19 E27	.599	8684	9.9	8D	-B	1 P	2056	.75	.80				
GRP 3264	07	2136	2153	2144	S27 E37	.652	8685	10.7	17	1-			.20				1 1 1	
HOUS	07	2136	2153	2144	S27 E37	.652	8685	10.7	17	-F	C		.20	.30			100	
GRP 3265	07	2204	2220	2212	S27 E37	.652	8685	10.7	16	1-			.20				1 1 1	
HOUS	07	2204	2220	2212	S27 E37	.652	8685	10.7	16	-F	C		.20	.30			100	
GRP 3266	07	2225	2238	2231	N21 E72	.969	8687	13.3	13	1-			.54				1 1 1	
LOCK	07	2225	2238	2231	N21 E72	.969	8687	13.3	13	-F	C	2231	.60	1.70			10	
GRP 3267	07	2231	2250	2237	N19 E24	.569	8684	9.7	19	1-			.68				3 3 3	
HOUS	07	2230	2246	2236	N20 E24	.580	8684	9.7	16	-N	C		.60	.70			200	
HALE	07	2231	2248	2234	N18 E23	.550	8684	9.7	17	-N	1 C	2234	.52	.60				
LOCK	07	2232	2255	2240	N18 E26	.580	8684	9.9	23	-N	C	2240	.80	1.00			10	
GRP 3268	07	2313	2335	2317	N18 E25	.569	8684	9.8	22	1-			.60				2 2 2	
HALE	07	2313	2324D	2316	N18 E23	.550	8684	9.7	11D	-N	1 P	2316	.41	.50				
LOCK	07	2313	2335	2317	N18 E26	.580	8684	9.9	22	-N	C	2317	.70	.80			10	
GRP 3269	08	0042	0103	0046	N18 E22	.540	8684	9.7	21	1-			1.73				1 1 1	
HALE	08	0042	0103	0046	N18 E22	.540	8684	9.7	21	-F	2 C	0046	1.44	1.70				
GRP 3270	08	0158	0205	0206	N15 E00	.366	8682	8.1	7	1-			.37				1 1 1	
HALE	08	0158	0205	0206	N15 E00	.366	8682	8.1	7	-N	2 C	0200	.31	.31				
GRP 3271	08	0233	0340	0241	N23 E65	.940	8687	13.0	67	1			1.61				1 1 1	
HALE	08	0233	0340U	0241	N23 E65	.940	8687	13.0	67U	1N	1 P	0241	1.34				F	
GRP 3272	08	0302	0344	0303	N13 W02	.335	8682	8.0	2	1-			.62				1 1 1	
HALE	08	0302	0364	0303	N13 W02	.335	8682	8.0	2	-F	1 C	0303	.52	.52				
GRP 3273	08	0303	0327	0309	N19 E18	.516	8684	9.5	24	1-			1.98				2 1 1	
HALE	08	0303	0325	0309	N18 E18	.504	8684	9.5	22	-B	3 C	0309	1.65	1.90				
MANI	08	0312E	0328		N20 E17	.520	8684	9.4	16D	-N	2	0314	.62	.73				

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %		
1967 FEB																			
GRP 3274	08	0436	0526	0500	N19	E21	.542	8684	9.8	50	1+								
SIBE	08	0431	0527	0500	N18	E21	.531	8684	9.8	56	2N		0500	2.91				2 2 2	
MANI	08	0440	0525		N20	E20	.544	8684	9.7	45	-N	2	0442	5.88	6.90		98	FT	
	06	1605	0034		NO FLARE PATROL														
GRP 3275	08	0844	0934	0903	N12	W05	.328	8682	8.0	50	1			2.07				6 5 4	
ARCE	08	0840E	0915D		N11	W06	.317	8682	7.9	35D	1N	P	0915	2.34	2.50			OU	
MONT	08	0840	0925D	0900	N10	W05	.296	8682	8.0	45D	1B	C	0858	1.55					
ISTA	08	0845	0935		N12	W05	.328	8682	8.0	50	2N								
KAND	08	0850	0927		N11	W06	.317	8682	7.9	37	1B		0915	3.37	3.34			C	
KODA	08	0901E	0937	0905	N14	W02	.351	8682	8.2	36D	-N	V	0905	1.29	1.30	1.64		D	
UCCL	08	0917E	0938		N11	W06	.317	8682	7.9	21D	1N	P	0922	3.61	4.10			E	
	08	1125	1130		NO FLARE PATROL														
GRP 3276	08	1507	1519	1510	N15	W07	.384	8682	8.1	12	1-			.42				4 3 3	
SACP	08	1505	1518	1509	N15	W06	.379	8682	8.2	13	-F	C		.54	.53				
HOUS	08	1507	1517	1510	N15	W09	.395	8682	8.0	10	-N	C		.20	.20		200		
MCMA	08	1510	1517	1512	N15	W07	.384	8682	8.1	7	-F	C	1512	.41	.42			EH	
UCCL	08	1515E	1522D	1518	N16	W07	.399	8682	8.1	7D	-N	P	1518	.26	.30			D	
GRP 3277	08	1525	1528	1526	N15	W07	.384	8682	8.1	3	1-			.40				1 1 1	
HOUS	08	1525	1528	1526	N15	W07	.384	8682	8.1	3	-F	C		.40	.40		100		
GRP 3278	08	1747	1803	1754	N14	W09	1.000	8671	2.0	16	1-			.25				1 1 1	
LOCK	08	1747	1803	1754	N14	W09	1.000	8671	2.0	16	-F	C	1754	.30	1.10		10	H	
GRP 3279	08	1813	1849	1819	N19	E14	.484	8684	9.8	36	1-			.95				5 4 4	
MCMA	08	1812	1845	1816	N20	E16	.512	8684	10.0	33	-N	C	1816	.31	.40				
HALE	08	1813	1848	1820	N19	E13	.477	8684	9.7	35	-B	2	C	1820	.93	1.10			
SACP	08	1813	1902	1822	N18	E13	.464	8684	9.7	49	-N	C		1.34	1.37				
LOCK	08	1815	1840	1819	N19	E14	.484	8684	9.8	25	-N	C	1819	1.00	1.10		20		
HUAN	08	1820E	1910D		N19	E14	.484	8684	9.8	41D	-N	1	P	1827	1.44	1.47			E
GRP 3280	08	1847	1924	1837	N19	E08	.449	8684	9.4	37	1-			.74				2 1 1	
HALE	08	1817	1918	1837	N19	E07	.444	8684	9.3	61	-N	2	C	1837	.62	.70			
LOCK	08	1917	1930	1920	N18	E09	.439	8684	9.5	13	-F	C	1920	.30	.30		10		
GRP 3281	08	1927	1944	1931	N15	W09	.395	8682	8.1	17	1-			.54				3 3 3	
SACP	08	1924	1945	1930	N14	W08	.374	8682	8.2	21	-F	C		.99	.98				
HUAN	08	1930	1945	1933	N16	W09	.409	8682	8.1	15	-F	1	C	1933	.25	.25			D
LOCK	08	1927	1942	1930	N14	W09	.380	8682	8.1	15	-F	C	1930	.50	.60		10		
GRP 3282	08	1925	1938		N20	E09	.468	8684	9.5	13	1-			.23				1 1 1	
HUAN	08	1925E	1938		N20	E09	.468	8684	9.5	13D	-F	1	P	1928	.25	.25			D
GRP 3283	08	2029	2142	2034	N31	W30	.734	8680	6.6	33	1-			.25				1 1 1	
HALE	08	2029	2102	2034	N31	W30	.734	8680	6.6	33	-N	2	C	2034	.21	.30			
GRP 3284	08	2038	2053	2042	S16	W30	.513	8681	6.6	15	1-			.69				2 2 2	
SACP	08	2037	2051	2040	S16	W30	.513	8681	6.6	14	-N	C		1.18	1.22				
HALE	08	2038	2054	2043	S15	W29	.495	8681	6.7	16	-N	2	C	2043	.26	.30			
GRP 3285	08	2053	2101	2055	N12	W15	.403	8682	7.7	8	1-			.55				1 1 1	
HALE	08	2053	2101	2055	N12	W15	.403	8682	7.7	8	-N	2	C	2055	.46	.50			
GRP 3286	08	2134	2152	2137	N22	E58	.895	8687	13.2	18	1-			.63				3 3 3	
LOCK	08	2132	2230	2137	N22	E59	.902	8687	13.3	28	-N	C	2137	.60	1.30		20	H	
HALE	08	2134	2148	2137	N22	E57	.888	8687	13.2	14	-N	2	P	2137	.67	1.50			
SACP	08	2136	2148	2138	N22	E58	.895	8687	13.3	12	-F	C		.54	.85				
GRP 3287	08	2233	2303	2242	N14	W63	.912	8674	4.2	30	1			1.47				3 3 3	
LOCK	08	2232	2300	2244	N17	W65	.930	8674	4.1	28	1F	C	2244	1.00	2.30		10	L	
SACP	08	2234	2303	2240	N13	W62	.903	8674	4.3	29	1F	C		1.61	2.64				
HALE	08	2234	2300	2242	N13	W63	.910	8674	4.2	32	1N	2	C	2242	1.65				F
GRP 3288	08	2308	2314	2310	N15	W11	.408	8682	8.1	6	1-			.70				2 2 2	
SACP	08	2307	2314	2310	N15	W11	.408	8682	8.1	7	-F	C		.72	.72				
HALE	08	2308	2313	2310	N15	W11	.408	8682	8.1	5	-N	2	C	2310	.62	.70			
GRP 3289	08	2349	2356	2351	N13	W16	.425	8682	7.8	7	1-			.61				3 3 3	
SACP	08	2349	2356	2351	N12	W16	.413	8682	7.8	7	-N	C		.80	.81				
LOCK	08	2349	2357	2351	N14	W18	.457	8682	7.6	8	-F	C	2351	.50	.60		10		
HALE	08	2350	2356	2352	N12	W15	.403	8682	7.9	6	-N	2	C	2352	.52	.62			
GRP 3290	09	0135	0144	0139	N14	W14	.419	8682	8.0	9	1-			.18				2 2 2	
CRON	09	0132	0147	0139	N14	W14	.419	8682	8.0	15	-N	C		.10	.10		200		
HALE	09	0137	0141	0139	N14	W14	.419	8682	8.0	4	-F	2	C	0139	.21	.21			
GRP 3291	09	0217	0230	0221	N14	W15	.428	8682	8.0	13	1-			.23				2 2 2	
CRON	09	0216	0230	0219	N14	W14	.419	8682	8.0	14	-N	C		.20	.20		200	I	
HALE	09	0217	0227	0223	N14	W15	.428	8682	8.0	12	-N	2	C	0223	.21	.21			
GRP 3292	09	0236	0257	0242	N14	W15	.428	8682	8.0	21	1-			.49				2 2 2	
CRON	09	0232	0258D	0243	N14	W14	.419	8682	8.1	26D	-N	C		.60	.70		200	EI	
HALE	09	0239	0255	0241	N14	W15	.428	8682	8.0	16	-N	2	C	0241	.31	.32			
GRP 3293	09	0316	0412	0320	N14	W15	.428	8682	8.0	56	1-			.25				1 1 1	
HALE	09	0316	0412D	0320	N14	W15	.428	8682	8.0	56D	-N	2	P	0320	.21	.21			
GRP 3294	09	0534	0549		N15	W16	.450	8682	8.0	15	1-			.85				1 1 1	
MANI	09	0534E	0549D		N15	W16	.450	8682	8.0	15D	-F	2	0536	.93	1.03				

SOLAR FLARES
REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT.
1967 FEB																		
GRP 3295	09	0915	0958	0852	N15	W20	.489	8682	7.9	43	1-							
MONT	09	0845	1005	0852	N14	W19	.468	8682	7.9	80	-N	C	0852	.52			2 1 1	
UCCL	09	0945	0951	0947	N16	W20	.500	8682	7.9	6	-N	C	0947	1.03	1.50		0	
GRP 3296	09	1016	1100	1020	N11	W25	.507	8682	7.6	44	1			1.27			E	
UCCL	09	1016E	10180		N11	W25	.507	8682	7.6	2D	1N	P	1017	2.06	2.90		2 2 2	
MONT	09	1016	1100	1020	N11	W24	.494	8682	7.6	44	1N	C	1019	1.24			EH	
GRP 3297	09	1101	1200		N13	W20	.467	8682	8.0	59	1			1.03			OE	
MONT	09	1101	1200		N13	W20	.467	8682	8.0	59	1N	C	1105	1.03			1 1 1	
GRP 3298	09	1124	1131		S17	W35	.584	8681	6.9	7	1-						1 1 0	
WEND	09	1124	1131		S17	W35	.584	8681	6.8	7	-N						1 1 0	
GRP 3299	09	1345	1430	1352	N27	W36	.747	8680	6.9	45	1-			.41			1 1 1	
MONT	09	1345	1430D	1352	N27	W36	.747	8680	6.9	45D	1-	C	1352	.41			0	
GRP 3300	09	1552	1623	1559	N19	E03	.434	8684	9.9	31	1-			1.29			3 3 3	
SACP	09	1548	1630	1600	N19	E04	.436	8684	10.0	42	-N	C		1.71	1.73			
MCMA	09	1552	1615	1559	N20	E02	.448	8684	9.8	23	-N	C	1600	1.03	1.10		EM	
HOUS	09	1556	1559D	1559	N19	E04	.436	8684	10.0	3D	-N	C		.90	1.00		200	
GRP 3301	09	1900	1958	1905	N21	E41	.752	8687	12.9	58	1-			.95			4 2 2	
LOCK	09	1857	1949D	1905	N20	E41	.746	8687	12.9	52D	-N	C	1905	.80	1.20		10	
MCMA	09	1902	1957		N20	E41	.746	8687	12.9	55	-F	C	1908	.77	1.10		L	
HUAN	09	1927E	1957		N20	E40	.737	8687	12.8	30D	-N	1	C	1949	.25	.31		D
HOUS	09	1939E	1959	1950	N22	E43	.776	8687	13.0	20D	-N	C		.30	.50		200	
GRP 3302	09	1906	1934	1924	N18	E54	.854	8688	13.8	28	1-			.47			2 2 2	
SACP	09	1906	1939	1924	N18	E55	.862	8688	13.9	33	-F	C		.71	1.04			
HOUS	09	1920E	1928	1923	N17	E53	.843	8688	13.8	8D	-N	C		.30	.60		200	
GRP 3303	09	2135	2159	2143	N20	E34	.678	8687	12.4	24	1-			.81			2 2 2	
LOCK	09	2132	2210	2142	N21	E33	.676	8687	12.4	38	-N	C	2142	.80	1.10		10	
HOUS	09	2138	2147	2143	N19	E34	.671	8687	12.5	9	-N	C		.80	1.10		200	
GRP 3304	09	2143	2153	2150	N22	E43	.776	8687	13.1	10	1-			.30			1 1 1	
HOUS	09	2143	2153	2150	N22	E43	.776	8687	13.1	10	-N	C		.30	.50		200	
	10	9985	9965		NO FLARE PATROL													
GRP 3305	10	0246	0303	0253	N16	W11	.424	8684	9.3	17	1-			.30			1 1 1	
CRON	10	0246	0303	0253	N16	W11	.424	8684	9.3	17	-F	C		.30	.30		100	
GRP 3306	10	0253	0355	0312	N19	W05	.439	8684	9.7	62	1			.90			1 1 1	
CRON	10	0253	0355	0312	N19	W05	.439	8684	9.7	62	-N	C		.90	1.00		200	
GRP 3307	10	0341	0349	0344	N13	W10	.374	8684	9.4	8	1			.10			1 1 1	
CRON	10	0341	0349	0344	N13	W10	.374	8684	9.4	8	-N	C		.10	.10		200	
GRP 3308	10	0604	0626	0614	N15	W09	.396	8684	9.6	22	1-			.20			1 1 1	
CRON	10	0604	0626	0614	N15	W09	.396	8684	9.6	22	-F	C		.20	.20		100	
GRP 3309	10	0646	0715	0655	N18	W09	.441	8684	9.6	29	1-			.20			1 1 1	
CRON	10	0646	0715	0655	N18	W09	.441	8684	9.6	29	-F	C		.20	.20		100	
GRP 3310	10	0805	0845		N14	E88	1.000	8691	16.9	40	1			.34			1 1 1	
ARCE	10	0805E	0845		N14	E88	1.000	8691	16.9	40D	-N	C	0815	.34	1.70			
GRP 3311	10	0810	0820		N20	W90	1.001	8671	3.6	10	1			.22			1 1 1	
ARCE	10	0810E	0820D		N20	W90	1.001	8671	3.6	10D	-N	C	0815	.22	1.20			
GRP 3312	10	0850	0905	0855	N19	W24	.571	8682	8.6	15	1-			.43			1 1 1	
ARCE	10	0850	0905	0855	N19	W24	.571	8682	8.6	15	-N	C	0855	.43	.50		D	
GRP 3313	10	0855	1015	0958	N15	E89	1.000	8691	17.0	80	1			.75			2 2 2	
ARCE	10	0855	1005D	0955	N14	E88	1.000	8691	17.0	70D	1N	C	0955	.65	3.20			
CATA	10	0955E	1015D	1001	N15	E90	1.000	8691	17.2	20D	1N		1001	.84			158	
GRP 3314	10	0940	0951	0948	N21	E41	.752	8687	13.5	11	1-			.62			1 1 1	
ARCE	10	0940E	0951D	0948	N21	E41	.752	8687	13.5	11D	-N	C	0948	.62	.90			
GRP 3315	10	0948	1000	0951	N18	W30	.622	8682	8.2	12	1-			.75			1 1 1	
ARCE	10	0948	1000	0951	N18	W30	.622	8682	8.2	12	-N	C	0951	.74	.90		E	
GRP 3316	10	1146	1230	1155	N13	W33	.618	8682	8.0	44	1-			.72			1 1 1	
MONT	10	1146	1230	1155	N13	W33	.618	8682	8.0	44	-N	C	1148	.72			OD	
GRP 3317	10	1235	1244		S18	W54	.807	8681	6.5	9	1-			.22			1 1 1	
HUAN	10	1235E	1244		S18	W54	.807	8681	6.5	9D	-F	1	C	1237	.25	.32		D
GRP 3318	10	1253	1316	1257	N18	W27	.591	8682	8.5	23	1-			.45			1 1 1	
HUAN	10	1253	1316	1257	N18	W27	.591	8682	8.5	23	-F	2	C	1257	.50	.54		E
GRP 3319	10	1340	1347		N31	W69	.969	8680	5.4	7	1-			.26			1 1 1	
HUAN	10	1340E	1347		N31	W69	.969	8680	5.4	7D	-N	1	P	1341	.37			D
GRP 3320	10	1346	1440		N20	E32	.659	8687	13.0	54	1-			.56			2 2 2	
MONT	10	1345	1410D		N20	E32	.659	8687	13.0	25D	-N	C	1349	.41			0	
HUAN	10	1347	1440		N19	E32	.651	8687	13.0	53	-F	1	C	1357	.80	.90		E
GRP 3321	10	1355	1409	1359	N31	W69	.969	8680	5.4	14	1-			.15			1 1 1	
HUAN	10	1355	1409D	1359	N31	W69	.969	8680	5.4	14D	-F	1	C	1359	.21			D
GRP 3322	10	1709	1722	1712	N17	E85	.999	8693	17.1	13	1-			.20			3 3 2	
HUAN	10	1707	1715D		N17	E88	1.000	8693	17.3	8D	-F	1	P	1713	.21			D
LOCK	10	1709	1720	1712	N15	E82	.995	8691	16.9	11	-N	C	1712	.30	1.00		20	
MCMA	10	1710	1723	1712	N18	E86	1.000	8691	17.2	13	-8	C	1712				D	

SOLAR FLARES

REVISED

FEBRUARY 1967

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 PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %	
GRP 3323	10	1733	1756	1737	N22	E32	.675	8687	13.1	23	1-							2 2 2	
LOCK	10	1732	1746	1737	N22	E32	.675	8687	13.1	14	-F	C	1737	.64	.40	.60		10	L
MCMA	10	1733	1805	1737	N22	E32	.675	8687	13.1	32	-N	C	1737	.62	.80				EL
GRP 3324	10	1845	1905	1849	N15	E82	.995	8691	16.9	20	1-							1 1 1	
LOCK	10	1845	1905	1849	N15	E82	.995	8691	16.9	20	-N	C	1849	.25	.30	1.00		20	J
GRP 3325	10	1904	1915	1907	N18	E88	1.000	8693	17.4	11	1-							1 1 1	
SACP	10	1904	1915	1907	N18	E88	1.000	8693	17.4	11	-N	C		.32	.36				1 1 1
GRP 3326	10	2012	2027	2017	S00	E75	.966	8691	16.5	15	1-							1 1 1	
LOCK	10	2012	2027	2017	S00	E75	.966	8691	16.5	15	-F	C	2017	.17	.20	.60		10	
GRP 3327	10	2200	2230	2215	N15	E78	.985	8691	16.8	30	1-							1 1 1	
LOCK	10	2200	2230	2215	N15	E78	.985	8691	16.8	30	-F	C	2215	.25	.30	.90		10	
GRP 3328	10	2320	2334	2325	N15	E78	.985	8691	16.8	14	1-							1 1 1	
LOCK	10	2320	2334	2325	N15	E78	.985	8691	16.8	14	-F	C	2325	.17	.20	.60		10	J
GRP 3329	11	0127	0150	0131	S24	W04	.306	8685	10.8	23	1-							1 1 1	
CULG	11	0127	0150	0131	S24	W04	.306	8685	10.8	23	-N	C	0131	.28	.31	3.15			1 1 1
GRP 3330	11	0146	0242	0149	N16	E77	.983	8691	16.8	46	1-							1 1 1	
CRON	11	0146	0232	0149	N16	E77	.983	8691	16.8	46	-N	C		.40	.40	1.20		200	
GRP 3331	11	0709	0803	0735	N13	W53	.831	8682	7.3	54	1-							2 2 2	
CULG	11	0657	0840	0734	N13	W53	.831	8682	7.3	83D	-N	P	0734	.29	.41	.72			F
CRON	11	0720	0745	0735	N13	W52	.822	8682	7.4	25	-F	C		.20	.40			200	
GRP 3332	11	0658	0717	0700	N22	E24	.603	8687	13.1	19	1-							1 1 1	
CULG	11	0658	0717	0700	N22	E24	.603	8687	13.1	19	-N	C	0700	.37	.41	.50			L
GRP 3333	11	0729	0813	0746	N11	W44	.734	8682	8.0	44	1-							1 1 1	
CRON	11	0729	0813	0746	N11	W44	.734	8682	8.0	44	-F	C		.20	.20	.30		100	
GRP 3334	11	1024	1028	1024	N18	W25	.572	8684	9.6	4	1-							1 1 1	
MEUD	11	1024	1028	1024	N18	W25	.572	8684	9.6	4	-F	C	1024	.59	.72	.80			D
GRP 3335	11	1148	1208	1200	N13	E40	.699	8688	14.5	20	1-							5 5 4	
CAPS	11	1145	1207		N13	E40	.699	8688	14.5	22	-F	3	1152	1.00	1.20	1.70		142	E
ATHN	11	1148E	1149D		N12	E38	.671	8688	14.3	10	-N	1	1148	.99	1.30				E
MEUD	11	1148	1205		N14	E40	.704	8688	14.5	17	-F	C	1150	1.03	1.40				E
WEND	11	1152	1205		N12	E41	.705	8688	14.6	13	-N								
CATA	11	1200E	1215D	1200	N13	E39	.687	8688	14.4	15D	-N		1200	.94	1.30			178	
GRP 3336	11	1444	1449	1445	N19	W28	.611	8684	9.5	5	1-							2 2 2	
MCMA	11	1443	1450	1445	N18	W28	.602	8684	9.5	7	-N	C	1445	.47	.31	.40			D
MEUD	11	1445	1447	1445	N19	W27	.601	8684	9.6	2	-F	C	1445	.62	.62	.70			D
GRP 3337	11	1446	1453	1447	N14	W44	.747	8682	8.3	7	1-							3 3 3	
MCMA	11	1445	1453	1447	N15	W47	.781	8682	8.1	8	-N	C	1447	.46	.26	.40			D
ATHN	11	1445	1454	1446	N13	W41	.719	8682	8.5	9	-N	2	1446	.50	.70	1.60			D
MEUD	11	1447	1451	1447	N14	W43	.736	8682	8.4	4	-F	C	1447	.62	.62	.90			D
GRP 3338	11	1603	1607		N17	W26	.572	8684	9.7	4	1-							1 1 1	
HUAN	11	1603E	1607D		N17	W26	.572	8684	9.7	4D	-F	1	P 1604	.49	.55	.58			E
GRP 3339	11	1733	1750	1740	N18	W23	.552	8684	10.0	17	1-							1 1 1	
LOCK	11	1733	1750	1740	N18	W23	.552	8684	10.0	17	-F	C	1740	.19	.20	.20		10	
GRP 3340	11	1823	1840	1830	S30	E08	.416	8686	12.4	17	1-							1 1 1	
HALE	11	1823	1840	1830	S30	E08	.416	8686	12.4	17	-N	2	C 1830	.12	.10	.11			
GRP 3341	11	1840	1900	1848	N18	W23	.552	8684	10.1	20	1-							1 1 1	
LOCK	11	1840	1900	1848	N18	W23	.552	8684	10.1	20	-F	C	1848	.19	.20	.20		10	
GRP 3342	11	1849	1906	1853	N17	E64	.924	8691	16.6	17	1-							1 1 1	
HALE	11	1849	1906	1853	N17	E64	.924	8691	16.6	17	-N	2	C 1853	.18	.15				
GRP 3343	11	2251	2303	2256	N18	W27	.592	8684	9.9	12	1-							3 2 2	
CULG	11	2249	2301	2255	N18	W27	.592	8684	9.9	12	-B	C	2255	.39	.41	.50			
LOCK	11	2253	2305	2257	N17	W28	.593	8684	9.9	12	-F	C	2257	.40	.40	.50		10	
HALE	11	2258E	2302		N18	W26	.582	8684	10.0	4D	-B	2	P 2258	.31	.31	.40			
GRP 3344	11	2259	2313		S30	E08	.416	8686	12.6	14	1-							1 1 1	
HALE	11	2259E	2313		S30	E08	.416	8686	12.6	14D	-N	2	P 2259	.18	.15	.20			
GRP 3345	11	2304	2319	2308	N18	W37	.695	8684	9.2	12	1-							2 2 2	
HALE	11	2303	2317	2306	N18	W36	.685	8684	9.3	14	-B	2	C 2306	.27	.21	.30			
LOCK	11	2304	2315	2309	N17	W38	.699	8684	9.1	11	-F	C	2309	.30	.30	.40		10	H
GRP 3346	12	0031	0137	0043	N16	E63	.916	8691	16.7	66	1-							3 3 3	
CULG	12	0026	0137	0104	N16	E62	.909	8691	16.7	71	-B	C	0104	.48	.41	.90			L
HALE	12	0036	0130	0043	N17	E63	.918	8691	16.8	54	-B	1	C 0043	.31	.31				
MANI	12	0036E	0144	0043	N15	E63	.914	8691	16.8	68D	-N	2	0043	.83	.83	1.68			
GRP 3347	12	0034	0108	0043	N06	E60	.876	8691	16.5	34	1-							1 1 1	
CRON	12	0034	0108D	0043	N06	E60	.876	8691	16.5	34D	-N	C		.30	.30	.60		200	
GRP 3348	12	0338	0343	0339	N17	W36	.679	8684	9.5	5	1-							1 1 1	
HALE	12	0338	0343	0339	N17	W36	.679	8684	9.5	5	-N	1	C 0339	.31	.26	.40			C
GRP 3349	12	0402	0454	0415	N16	W36	.672	8684	9.5	52	1-							1 1 1	
CRON	12	0402E	0454	0415	N16	W36	.672	8684	9.5	52D	-F	C		.10	.10	.10		100	
GRP 3350	12	0410	0421	0412	N13	W53	.831	8682	8.2	11	1-							1 1 1	
CRON	12	0410	0421	0412	N13	W53	.831	8682	8.2	11	-F	C		.10	.10	.20		100	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hc	MAX. INT. %		
GRP 3351	12	0440	0455	0442	N15	E32	.621	8688	14.6	15	1-							1 1 1	
MANI	12	0440E	0455	0442	N15	E32	.621	8688	14.6	15D	-F	2	0442	.37	.41	.47			
GRP 3352	12	0843	0851		N18	W33	.654	8684	9.9	8	1-							1 1 0	
ONDE	12	0843E	0851D		N18	W33	.654	8684	9.9	8D	1N	V	0844			2.60		C	
GRP 3353	12	0955	1000	0955	N19	W42	.751	8684	9.3	5	1-			.41				1 1 1	
ARCE	12	0955	1000D	0955	N19	W42	.751	8684	9.3	5D	-N	C	0955	.41	.70			D	
GRP 3354	12	1116	1156	1118	N15	E58	.878	8691	16.8	40	1-			1.36				2 2 2	
UCCL	12	1116	1126	1118	N15	E58	.878	8691	16.8	10	1N	C	1118	1.03				FJ	
CAPS	12	1117E	1226D		N14	E57	.868	8691	16.7	69D	1N	2	1119	2.00	3.80		164	C	
GRP 3355	12	1234	1337	1245	N15	E29	.588	8688	14.7	63	1			2.82				5 3 3	
ATHN	12	1233	1328	1245	N14	E29	.580	8688	14.7	55	1N	2	1245	3.30	4.00	1.60			
HUAN	12	1234	1345		N16	E30	.607	8688	14.8	71	1N	1	1248	2.48	2.72				
CAPS	12	1237E	1324D		N15	E30	.599	8688	14.8	47D	1N	1	1249	3.00	3.90			FI	
ONDE	12	1247E	1315D		N14	E25	.534	8688	14.4	28D	2F	V	1303			2.20		CF	
WEND	12	1309E	1338		N18	E29	.613	8688	14.7	29D	2F	V		10.31					
GRP 3356	12	1615	1627	1618	N18	W40	.726	8684	9.7	12	1-			.83				3 3 3	
LOCK	12	1615	1625	1619	N19	W40	.732	8684	9.7	10	-N	C	1619	.60	.90		20		
HUAN	12	1615	1626	1618	N18	W39	.716	8684	9.8	11	-N	2	1618	.83	.98			E	
MOMA	12	1616	1630	1617	N18	W40	.726	8684	9.7	14	-F	C	1617	.83	1.20			E	
GRP 3357	12	1801	1842	1817	N18	W40	.726	8684	9.8	41	1-			1.06				4 3 3	
LOCK	12	1750	1840	1817	N19	W40	.732	8684	9.7	50	-F	C	1817	.90	1.40		10		
SACP	12	1758	1840	1816	N18	W38	.706	8684	9.9	42	-F	C		1.53	1.80				
MOMA	12	1814	1840D	1817	N18	W40	.726	8684	9.8	26D	-F	C	1817	.62	.90			E	
HUAN	12	1821E	1847		N18	W40	.726	8684	9.8	26D	-F	1	1825	.80	.96			E	
GRP 3358	12	1835	1855	1840	N14	E53	.834	8691	16.7	20	1-			.40				1 1 1	
LOCK	12	1835	1855	1840	N14	E53	.834	8691	16.7	20	-F	C	1840	.40	.70		10		
GRP 3359	12	1943	2004	1953	N18	W40	.726	8684	9.8	21	1-			.61				5 5 5	
MOMA	12	1935	2003	1937	N18	W40	.726	8684	9.8	28	-F	C	1937	.52	.80			E	
HUAN	12	1935	2005	1952	N18	W40	.726	8684	9.8	30	-N	2	1952	.52	.61			E	
LOCK	12	1945	2001D	1953	N19	W40	.732	8684	9.8	16D	-N	C	1953	.80	1.20		20		
HOU5	12	1949	2003	1953	N17	W39	.710	8684	9.9	14	-N	C		.20	.30		200		
SACP	12	1950	2003	1953	N18	W39	.716	8684	9.9	13	-F	C		.90	1.05				
GRP 3360	12	2034	2044		N14	W71	.958	8682	7.5	10	1-			.32				1 1 1	
HUAN	12	2034	2044		N14	W71	.958	8682	7.5	10	-F	1	C	2040	.45				D
GRP 3361	12	2110	2125	2115	N19	W40	.732	8684	9.9	15	1-			.40				1 1 1	
LOCK	12	2110	2125	2115	N19	W40	.732	8684	9.9	15	-F	C	2115	.40	.60		10		
GRP 3362	12	2137	2207	2150	N12	W69	.946	8682	7.7	30	1			.97				1 1 1	
SACP	12	2137	2207	2150	N12	W69	.946	8682	7.7	30	1N	C		1.08	2.12				
GRP 3363	12	2237	2301	2249	N12	W69	.946	8682	7.8	24	1-			.90				1 1 1	
SACP	12	2237	2301	2249	N12	W69	.946	8682	7.8	24	-N	C		1.00	1.95				
GRP 3364	12	2257	2312	2258	N17	W41	.731	8684	9.9	15	1-			.25				1 1 1	
HALE	12	2257	2312	2258	N17	W41	.731	8684	9.9	15	-F	1	C	2258	.21	.30			
GRP 3365	12	2330	2357	2336	N16	E20	.502	8688	14.5	27	1-			.37				1 1 1	
HALE	12	2330	2357D	2336	N16	E20	.502	8688	14.5	27D	-F	1	P	2336	.31	.40			
GRP 3366	12	2331	2336	2332	N17	W42	.741	8684	9.8	5	1-			.25				1 1 1	
HALE	12	2331	2336	2332	N17	W42	.741	8684	9.8	5	-N	1	C	2332	.21	.30			
GRP 3367	13	0005	0034	0012	N16	E77	.983	8693	18.8	29	1-			.32				1 1 1	
SACP	13	0005	0034	0012	N16	E77	.983	8693	18.8	29	-F	C		.36					
GRP 3368	13	0011	0028	0015	N18	W43	.756	8684	9.8	17	1-			.58				4 4 4	
CULG	13	0010	0024	0014	N18	W43	.756	8684	9.8	14	-B	C	0014	.41	.60				
SACP	13	0010	0030	0016	N18	W43	.756	8684	9.8	26	-F	C		1.18	1.45				
CRON	13	0012	0025	0015	N18	W42	.746	8684	9.9	13	-N	C		.40	.60		200		
HALE	13	0013	0025	0015	N18	W43	.756	8684	9.8	12	-N	2	C	0015	.41	.60			F
GRP 3369	13	0135	0220	0154	N14	E44	.747	8691	16.4	51	1-			.10				1 1 1	
CRON	13	0135	0220	0154	N14	E44	.747	8691	16.4	51	-N	C		.10	.20		200	K	
GRP 3370	13	0142	0214	0157	N13	W70	.952	8682	7.8	32	1-			.30				1 1 1	
CRON	13	0142	0214	0157	N13	W70	.952	8682	7.8	32	-N	C		.30	.90		200		
GRP 3371	13	0233	0325	0235	N14	E44	.747	8691	16.4	52	1-			.10				1 1 1	
CRON	13	0233E	0325D	0235	N14	E44	.747	8691	16.4	52D	-N	C		.10	.20		200	K	
GRP 3372	13	0240	0250	0243	S02	E46	.720	8691	16.6	10	1-			.25				3 3 3	
CRON	13	0239	0250	0242	S03	E47	.731	8691	16.6	11	-N	C		.30	.40		200		
MANI	13	0241	0249		S02	E44	.696	8691	16.4	8	-F	2	C	0243	.31	.45			
HALE	13	0241	0242	0244	S02	E47	.732	8691	16.6	11	-N	2	C	0244	.15	.20			
GRP 3373	13	0251	0253	0251	N18	W45	.775	8684	9.7	2	1-			.18				1 1 1	
HALE	13	0251	0253	0251	N18	W45	.775	8684	9.7	2	-N	2	C	0251	.15	.20			
GRP 3374	13	0556	0609	0600	N15	E16	.452	8688	14.4	13	1-			.10				1 1 1	
CRON	13	0556	0609	0600	N15	E16	.452	8688	14.4	13	-N	C		.10	.10		200	HK	
GRP 3375	13	0810	0823D	0814	N21	W03	.468	8687	13.1	13	1-			.40				1 1 1	
CRON	13	0810	0823D	0814	N21	W03	.468	8687	13.1	13D	-N	C		.40	.50		200	L	
GRP 3376	13	0830	0842	0840	S25	E88	.997	8694	20.0	12	1			.09				1 1 1	
ARCE	13	0830E	0842D	0840	S25	E88	.997	8694	20.0	12D	-N	C	0840	.09	.40			D	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	OMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. M		
1967 FEB																		
GRP 3377	13	1515	1530	1521	N12	W79	.987	8682	7.7	15	1-		.20				1 1 1	
HOUS	13	1515	1530	1521	N12	W79	.987	8682	7.7	15	-N	C	.20	.60		200		
GRP 3378	13	1540	1607	1548	N16	E12	.433	8688	14.6	27	1-		.72				1 1 1	
SACP	13	1540	1607	1548	N16	E12	.433	8688	14.6	27	-F	C	.80	.81				
GRP 3379	13	1619	1624		N15	W90	1.000	8682	6.9	5	1-		.20				1 1 1	
HOUS	13	1619	1624		N15	W90	1.000	8682	6.9	5	-N	C	.20	.80		200		
GRP 3380	13	1654	1719	1704	N22	W08	.497	8687	13.1	25	1-		.92				4 4 4	
HOUS	13	1653	1713	1706	N22	W09	.501	8687	13.0	20	-N	C	1.20	1.40		100		
SACP	13	1653	1727	1704	N21	W05	.472	8687	13.3	34	-N	C	.79	.82				
MCMA	13	1656	1717	1703	N21	W09	.486	8687	13.0	21	-N	C	1703	.52	.60		EL	
LOCK	13	1702E	1720U	1702U	N22	W07	.493	8687	13.2	18U	-N	C	1702	1.00	1.20		20	
GRP 3381	13	1655	1719	1701	N17	E11	.440	8688	14.5	24	1-		.90				2 2 2	
SACP	13	1653	1713	1702	N16	E11	.426	8688	14.5	20	-F	C	.54	.54				
MCMA	13	1656	1725	1659	N17	E10	.434	8688	14.5	29	-N	C	1659	.93	1.00		E	
GRP 3382	13	1722	1757	1737	N12	W83	.996	8682	7.5	35	1-		.31				2 2 2	
HOUS	13	1720	1804	1740	N15	W85	.999	8682	7.3	44	-N	C	.30	1.00		200	E	
SACP	13	1723	1749	1733	N09	W80	.988	8682	7.7	26	-N	C	.36					
GRP 3383	13	1749	2130	1817	N21	W10	.491	8687	13.0	221	3		18.32				6 5 5	
SACP	13	1746	2243D	1816	N22	W10	.505	8687	13.0	297D	48	C	37.32	38.68				
LOCK	13	1748	2130U	1815	N22	W07	.493	8687	13.2	222U	38	C	1815	13.00	15.60		30	
HOUS	13	1749	1910	1821	N22	W09	.501	8687	13.1	81	38	C		15.50	17.90		300	
MCMA	13	1751	2005D		N20	W13	.494	8687	12.8	134D	38	C	1820	12.38	14.00		ILSU	
HALE	13	1807E	2235D	1825	N20	W12	.488	8687	12.9	268D	28	1	P	1825	10.31	11.80		F
HUAN	13	1946E	2026D		N20	W10	.477	8687	13.1	40D	2F	1	P	1949	4.64	4.82		EIL
GRP 3384	13	1825	1846	1831	N09	W83	.995	8682	7.5	21	1-		.40				1 1 1	
SACP	13	1825	1846	1831	N09	W83	.995	8682	7.5	21	-F	C	.44					
GRP 3385	13	2028	2208	2107	N17	W55	.860	8684	9.7	100	1-		.93				4 4 4	
LOCK	13	2015U	2110U	2030U	N15	W54	.846	8684	9.8	55U	-F	C	2030	.90	1.70		10	
SACP	13	2031	2204	2101	N17	W55	.860	8684	9.7	93	1F	C		1.61	2.35			
HOUS	13	2033	2310	2159	N20	W56	.876	8684	9.7	157	-N	C		.70	1.30		200	
HALE	13	2034	2207	2107	N16	W54	.849	8684	9.8	93	-N	2	P	2107	.52	1.00		
GRP 3386	13	2214	2229	2218	N19	W85	.999	8682	7.6	15	1		.65				4 4 4	
LOCK	13	2213	2220U	2216	N18	W90	1.001	8682	7.2	7U	1B	C	2216	.60	2.30		20	
HOUS	13	2214	2227	2217	N19	W84	.998	8682	7.6	13	-N	C		.20	.80		200	
HALE	13	2215E	2227	2218	N18	W83	.997	8682	7.7	12D	-N	2	P	2218	.31			
SACP	13	2215	2241	2221	N19	W82	.996	8682	7.8	26	1N	C		1.69				
GRP 3387	13	2233	2250	2240	N18	W90	1.001	8682	7.2	17	1-		.25				1 1 1	
LOCK	13	2233	2250	2240	N18	W90	1.001	8682	7.2	17	-F	C	2240	.30	1.10		10	
	13	2340	0000		NO FLARE PATROL													H
GRP 3388	14	0117	0126		N15	W80	.991	8682	8.1	9	1-		.16				1 1 1	
MAN1	14	0117E	0126		N15	W80	.991	8682	8.1	9D	-N	2	0119	.21	.52			
	14	0405	0415		NO FLARE PATROL													
	14	0635	0650		NO FLARE PATROL													
GRP 3389	14	0850	0918	0857	N13	E90	1.000	8695	21.1	28	1		.56				2 2 1	
CAPS	14	0846E	0920		N15	E90	1.000	8695	21.1	34D	1N	3	0859				169	
ARCE	14	0853	0915	0857	N11	E90	1.000	8695	21.1	22	1N	C	0857	.56	3.20		AC	
GRP 3390	14	1031	1037	1031	N15	W02	.373	8688	14.3	6	1-		.89				2 2 2	
MEIU	14	1031	1035	1031	N15	W03	.374	8688	14.2	4	-F	C	1031	.52	.50			
CAPS	14	1031	1038		N15	E00	.371	8688	14.4	7	-N	3	1035	1.30	1.40		161	
GRP 3391	14	1424	1455	1431	N15	E27	.566	8691	16.6	31	1		1.51				3 3 2	
ONDE	14	1423	1450	1432	N14	E28	.569	8691	16.7	27	1F	V	1432			1.90	CH	
MONT	14	1425	1500D	1430	N15	E27	.566	8691	16.6	35D	1B	C	1430	1.86			O	
MCMA	14	1429E	1432D		N16	E27	.575	8691	16.6	3D	-F	S	1431	.83	1.00		E	
GRP 3392	14	1618	1715	1654	N16	W06	.399	8688	14.2	57	1-		.50				1 1 1	
HOUS	14	1618	1715	1654	N16	W06	.399	8688	14.2	57	-N	C	.50	.50		200	H	
GRP 3393	14	1813	1819	1815	N16	E90	1.001	8695	21.5	6	1-		.20				1 1 1	
HOUS	14	1813	1819	1815	N16	E90	1.001	8695	21.5	6	-N	C	.20	.80		200		
GRP 3394	15	0100	0115		N18	E90	1.001	8695	21.8	15	1						1 1 0	
IKOM	15	0100	0115D		N18	E90	1.001	8695	21.8	15D	-F	V						
GRP 3395	15	0244	0315	0301	N16	W80	.991	8684	9.1	31	1-		.19				1 1 1	
CULG	15	0244	0315	0301	N16	W80	.991	8684	9.1	31	-N	C	0301	.21				
GRP 3396	15	0308	0321	0312	N17	E21	.524	8691	16.7	13	1-		.56				1 1 1	
CULG	15	0308	0321	0312	N17	E21	.524	8691	16.7	13	-N	C	0312	.62	.69		L	
GRP 3397	15	0435	0510		N14	W90	1.000	8682	8.4	35	1						1 1 0	
IKOM	15	0435E	0510D		N14	W90	1.000	8682	8.4	35D	-F	V						
GRP 3398	15	0547	0600	0552	N16	E90	1.001	8695	22.0	13	1-		.19				1 1 1	
CULG	15	0547	0600D	0552	N16	E90	1.001	8695	22.0	13D	-N	P	0552	.21				
GRP 3399	15	0850	0950	0900	N16	W14	.449	8688	14.3	60	1-		.72				1 1 1	
MONT	15	0850	0950	0900	N16	W14	.449	8688	14.3	60	-F	C	0900	.72			OT	
GRP 3400	15	1143	1205	1146	N15	E16	.454	8691	16.7	22	1-		.26				1 1 1	
MONT	15	1143	1205	1146	N15	E16	.454	8691	16.7	22	-N	C	1146	.26			OH	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
GRP 3401	15	1526	1531		N17	W17	.487	8688	14.4	5	1-							1 1 1
HUAN	15	1526	1531D		N17	W17	.487	8688	14.4	5D	-F	1	C	1528	.50			E
GRP 3402	15	1538	1555	1538	N20	E90	1.001	8695	22.4	17	1				.80			1 1 1
HOUS	15	1538E	1555	1538	N20	E90	1.001	8695	22.4	17D	1N		C		.80	2.70	200	
GRP 3403	15	1641	1644	1642	N52	E90	1.004	8698	22.4	3	1-				.50			1 1 1
HOUS	15	1641	1644	1642	N52	E90	1.004	8698	22.4	3	-N		C		.50	1.70	200	
GRP 3404	15	1849	1915		N16	W20	.503	8688	14.3	26	1-				.68			1 1 1
HUAN	15	1849E	1915D		N16	W20	.503	8688	14.3	26D	-F	1	P	1904	.75	.78		E
GRP 3405	15	2200	2305	2220	N15	W20	.492	8688	14.4	65	1-				.94			1 1 1
LOCK	15	2200	2305	2220	N15	W20	.492	8688	14.4	65	-F		C	2220	.90	1.10	10	
GRP 3406	15	2304	2350	2310	N14	E67	.938	8695	21.0	46	1				1.28			2 2 2
LOCK	15	2303	2350	2310	N14	E67	.938	8695	21.0	47	1N		C	2310	1.30	4.00	20	
SACP	15	2304	2350D	2309	N14	E67	.938	8695	21.0	11D	1N		C		1.38	2.60		
GRP 3407	16	0053	0123	0101	N15	W24	.535	8688	14.2	30	1-				.29			3 2 2
MITK	16	0050	0126	0100	N16	W23	.534	8688	14.3	36	-N		C	0100	.62	.70		E
IKOM	16	0055	0120	0102	N14	W25	.536	8688	14.2	25	-N		V	0102	.31	.40	110	D
HALE	16	0113E	0124D		N16	W23	.534	8688	14.3	11D	-N	2	P	0115	.21	.22		
GRP 3408	16	0115	0214	0122	N20	E70	.961	8695	21.3	59	1-				.12			1 1 1
HALE	16	0115	0214	0122U	N20	E70	.961	8695	21.3	59	-N	1	C	0122	.10			
GRP 3409	16	0200	0300	0248	N13	E80	.990	8695	22.1	60	1				.74			1 1 1
HALE	16	0200E	0300	0248U	N13	E80	.990	8695	22.1	60D	1N	1	P	0248	.62			
GRP 3410	16	0240	0322	0302	N16	W23	.534	8688	14.4	42	1-				.25			1 1 1
HALE	16	0240U	0322U	0302U	N16	W23	.534	8688	14.4	42U	-N	1	P	0302	.21	.22		
GRP 3411	16	0808	0820	0811	N20	E69	.956	8695	21.5	12	1-				.50			1 1 1
CRON	16	0808	0820	0811	N20	E69	.956	8695	21.5	12	-F		C		.50	1.40	100	
GRP 3412	16	0935	0953		N18	W34	.666	8688	13.8	18	1-				.34			2 2 1
ARCE	16	0935	0950D		N17	W33	.648	8688	13.9	15D	-N		C	0935	.34	.40		H
ONDE	16	0937E	0953		N18	W34	.666	8688	13.9	16D	-F		V	0938			1.70	CDM
GRP 3413	16	1012	1027		N23	E90	1.001	8698	23.2	15	1-						2.20	2 2 0
ONDE	16	1012E	1024		N20	E90	1.001	8698	23.2	12D	1N		V	1013				C
MONT	16	1013E	1030		N25	E90	1.001	8698	23.2	17D	-N		C					
GRP 3414	16	1130	1155	1145	N30	W90	1.002	8684	9.7	25	1-							1 1 0
MONT	16	1130	1155	1145	N30	W90	1.002	8684	9.7	25	-N		C					
GRP 3415	16	1143	1153	1143	N17	W80	.992	8684	10.5	10	1-				1.19			1 1 1
CAPF	16	1143E	1153	1143	N17	W80	.992	8684	10.5	10D	1N		P	1146	1.18			H
GRP 3416	16	1502	1514	1507	N18	E68	.949	8695	21.7	12	1-				.49			1 1 1
MCMA	16	1502	1514	1507	N18	E68	.949	8695	21.7	12	-N		C	1507	.31	.70		E
GRP 3417	16	1613	1619	1615	N18	W32	.645	8688	14.3	6	1-				.19			1 1 1
HUAN	16	1613	1619	1615	N18	W32	.645	8688	14.3	6	-F	2	C	1615	.21	.22		D
GRP 3418	16	1810	1821	1815	N21	E21	.569	8693	18.3	11	1-				.78			2 2 2
SACP	16	1809	1821	1815	N20	E21	.558	8693	18.3	12	-N		C		1.47	1.57		
HUAN	16	1811	1820		N21	E21	.569	8693	18.3	9	-F	1	C	1814	.25	.26		D
GRP 3419	16	1857	1918	1905	N17	E63	.918	8695	21.5	21	1-				.56			3 3 3
LOCK	16	1856	1915	1904	N15	E64	.921	8695	21.6	19	-F		C	1904	.70	1.50	10	
MCMA	16	1858	1920	1903	N18	E65	.932	8695	21.7	22	-B		C	1903	.52	1.20		D
HOUS	16	1903E	1920	1907	N17	E59	.891	8695	21.2	17D	-N		C		.20	.40	200	
GRP 3420	16	2012	2029	2019	N24	W45	.805	8687	13.5	17	1-				.10			1 1 1
HOUS	16	2012	2029D	2019	N24	W45	.805	8687	13.5	17D	-N		C		.10	.20	200	
GRP 3421	16	2041	2127	2057	N15	E56	.863	8695	21.1	46	1-				.72			3 3 3
HOUS	16	2039	2143	2054	N15	E55	.855	8695	21.0	64	-N		C		.40	.80	200	E
SACP	16	2043	2148	2102	N15	E56	.863	8695	21.1	35	1F		C		1.77	2.62		
HALE	16	2047E	2121	2055	N16	E58	.881	8695	21.2	34D	-N	1	P	2055	.15	.30		
GRP 3422	16	2045	2120	2052	N14	E64	.919	8695	21.7	35	1-				.58			1 1 1
LOCK	16	2045	2120	2052	N14	E64	.919	8695	21.7	35	-F		C	2052	.60	1.30	10	
GRP 3423	16	2112	2126	2115	N27	W53	.878	8687	12.9	14	1-				.18			1 1 1
HALE	16	2112	2126	2115	N27	W53	.878	8687	12.9	14	-F	1	P	2115	.15	.30		
GRP 3424	16	2130	2137	2132	N15	W06	.385	8691	16.4	7	1-				.18			1 1 1
HALE	16	2130	2137	2132	N15	W06	.385	8691	16.4	7	-F	1	C	2132	.15	.20		
GRP 3425	16	2148	2242	2148	N15	W05	.381	8691	16.5	14	1-				.94			1 1 1
LOCK	16	2148E	2202	2148U	N15	W05	.381	8691	16.5	14D	-F		C	2148	.90	1.00	10	
GRP 3426	16	2210	2239	2207	N30	E61	.934	8695	21.5	39	1				2.21			2 1 1
LOCK	16	2204	2231	2207	N29	E62	.937	8695	21.6	33	1N		C	2207	2.10	5.00	20	H
HALE	16	2215	2241	2225	N30	E60	.929	8695	21.4	26	-F	1	C	2225	.21			
GRP 3427	16	2329	2341	2332	N17	E26	.575	8693	18.9	12	1-				.45			2 2 2
LOCK	16	2328	2340	2331	N17	E26	.575	8693	18.9	12	-N		C	2331	.70	.80	20	
HALE	16	2330	2341	2332	N17	E26	.575	8693	18.9	11	-N	1	C	2332	.15	.20		
GRP 3428	17	0120	0201	0121	N22	E70	.963	8695	22.3	41	1				.53			2 2 2
HALE	17	0120	0146	0121	N22	E69	.959	8695	22.2	26	1B	1	C	0121	.57			E
CULG	17	0120	0216D	0121	N22	E70	.963	8695	22.3	56D	-B		P	0121	.41			
GRP 3429	17	0309	0335	0316	N24	E77	.988	8698	22.9	26	1-				.30			1 1 1
CRON	17	0309U	0335	0316	N24	E77	.988	8698	22.9	26U	-N		C		.30	1.00	200	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	
GRP 3430	17	0536	0606	0537	N15	E54	.846	8695	21.3	30	1-						1 1 1
CRON	17	0536	0606	0537	N15	E54	.846	8695	21.3	30	-N						200
GRP 3431	17	0702	0708	0705	N16	W60	.896	8687	12.8	6	1-						1 1 1
CRON	17	0702	0708	0705	N16	W60	.896	8687	12.8	6	-N						200
GRP 3432	17	0957	1001		N20	E67	.946	8695	22.4	4	1-						1 1 0
ONDE	17	0957E	1001		N20	E67	.946	8695	22.4	4	-N						CH
	17	1240	1335	NO FLARE PATROL										1.80			
GRP 3433	17	1539	1712	1556	N23	E23	.608	8693	19.4	93	1						2 2 2
SACP	17	1534	1728	1557	N23	E23	.608	8693	19.4	114	1F						
MCPA	17	1543	1655	1555	N22	E23	.597	8693	19.4	72	-N		1555	.83	4.39	1.00	EL
GRP 3434	17	1801	1822	1804	N15	W16	.455	8691	16.6	21	1-						1 1 1
SACP	17	1801	1822	1804	N15	W16	.455	8691	16.6	21	-F				.89	.90	
GRP 3435	17	1923	1940	1926	N22	W60	.910	8687	13.3	17	1						1 1 1
SACP	17	1923	1940	1926	N22	W60	.910	8687	13.3	17	1F						
GRP 3436	17	1936	1950	1941	N26	E65	.946	8698	22.7	14	1						4 4 4
SACP	17	1934	1952	1941	N24	E65	.942	8698	22.7	18	1N						
LOCK	17	1936	1951	1940	N25	E62	.928	8698	22.5	15	1B		1940	1.00	2.40		30
HALE	17	1937	1947	1941	N25	E64	.939	8698	22.6	10	1B	2	1941	1.55			E
MCPA	17	1937	1948	1942	N28	E68	.962	8698	22.9	11	-B		1942	.52	1.80		E
GRP 3437	17	2000	2019	2005	N26	E67	.955	8698	22.9	19	1-						2 2 2
SACP	17	1957	2023	2005	N24	E65	.942	8698	22.7	26	1N						
MCPA	17	2002	2014	2004	N28	E68	.962	8698	22.9	12	-N		2004	.41	1.40		E
GRP 3438	17	2108	2114	2110	N23	E58	.899	8695	22.2	6	1-						1 1 1
LOCK	17	2108	2114	2110	N23	E58	.899	8695	22.2	6	-F		2110	.30	.60		10
GRP 3439	17	2201	2209	2204	N18	E44	.767	8695	21.2	8	1-						1 1 1
HALE	17	2201	2209	2204	N18	E44	.767	8695	21.2	8	-N	2	2204	.36	.60		E
GRP 3440	17	2212	2235	2217	N23	E56	.886	8698	22.1	23	1						3 3 3
LOCK	17	2212	2235	2215	N22	E56	.883	8698	22.1	16	-B		2215	1.00	2.00		30
SACP	17	2212	2230	2217	N24	E57	.896	8698	22.2	18	1B						
HALE	17	2213	2246	2218	N24	E56	.889	8698	22.1	33	1B	2	2218	1.03	2.30		
GRP 3441	18	0001	0010	0004	N20	E60	.905	8695	22.5	9	1-						1 1 1
LOCK	18	0001	0010	0004	N20	E60	.905	8695	22.5	9	-F		0004	.40	.90		30
GRP 3442	18	0040	0103	0047	N24	E61	.921	8698	22.6	23	1-						L
CRON	18	0034	0101	0046	N23	E65	.941	8698	22.9	27	-N						4 3 3
LOCK	18	0038	0030	0047	N23	E60	.912	8698	22.5	15	-F		0047	.60	1.40		200
HALE	18	0039	0059	0048	N25	E61	.923	8698	22.6	20	-N	2	0048	.31			30
IKOM	18	0048	0140		N23	E57	.893	8698	22.3	22	-F		0048	.31	.60		D
GRP 3443	18	0210	0223	0214	N23	E53	.864	8695	22.1	13	1-						2 2 2
HALE	18	0209	0235	0214	N23	E52	.857	8695	22.0	16	-N	2	0214	.36	.70		
MANI	18	0211	0220	0213	N23	E54	.872	8695	22.1	9	-F	2	0213	.52	.96		
GRP 3444	18	0252	0312	0255	N23	E53	.864	8695	22.1	20	1-						2 2 2
HALE	18	0252	0316	0255	N23	E52	.857	8695	22.0	24	-N	1	0255	.41	.80		
MANI	18	0253E	0308		N23	E54	.872	8695	22.2	15	-N	2	0255	.72	1.34		
GRP 3445	18	0511	0522	0513	N23	E52	.857	8695	22.1	11	1-						2 2 2
CRON	18	0510	0523	0513	N22	E50	.838	8695	22.0	13	-N						200
MITK	18	0512	0521	0513	N23	E53	.864	8695	22.2	9	-F		0513	.62	1.20		EI
GRP 3446	18	0534	0614	0544	N26	E60	.919	8698	22.7	40	1-						D
CRON	18	0534E	0614	0544	N26	E60	.919	8698	22.7	40	-F						1 1 1
GRP 3447	18	1004	1134	1032	N23	E56	.886	8695	22.6	90	2+						8 7 7
UCCL	18	0941	1212	1038	N23	E57	.893	8695	22.7	151	4N		1038	8.63			FIJU
CRON	18	0942E	1020	0951	N23	E53	.864	8695	22.4	38	1N						200
KHAR	18	0945	1212	1035	N22	E58	.897	8695	22.8	147	4N		1025	19.29	37.60	2.80	EIL
KIFV	18	1000E	1136	1037	N22	E56	.883	8695	22.6	96	2N		1037	8.77			70
CATA	18	1007E	1100	1035	N21	E55	.873	8695	22.5	53	3B		1035	1.12	22.50		257
ZURI	18	1023	1113	1034	N21	E55	.873	8695	22.5	52	4N		1034	15.54	32.00		FI
KODA	18	1025	1120	1032	N22	E53	.861	8695	22.4	55	2N		1035	4.51	9.00	2.12	H
BUCA	18	1120E	1204		N26	E62	.931	8695	23.1	44	2N		1136	3.35	8.60		F
GRP 3448	18	1006	1021		N22	E65	.939	8695	23.3	15	1+						1 1 0
UCCL	18	1006	1021		N22	E65	.939	8695	23.3	15	2N						
	18	1215	1345	NO FLARE PATROL													
GRP 3449	18	1742	1808	1750	N22	E39	.742	8695	21.7	26	1-						1 1 1
LOCK	18	1742	1808	1750	N22	E39	.742	8695	21.7	26	-F		1750	.40	.60		10
GRP 3450	18	2050	2250	2113	N16	E14	.451	8695	19.9	120	1-						1 1 1
HUIS	18	2050	2250	2113	N16	E14	.451	8695	19.9	120	-F						100
GRP 3451	18	2259	2342	2306	N20	E38	.720	8695	21.8	23	1-						2 2 2
LOCK	18	2257	2319	2307	N21	E38	.727	8695	21.8	22	-F		2307	.60	1.00		10
HALE	18	2300	2325	2304	N18	E38	.708	8695	21.8	25	-N	1	2304	.41	.60		
GRP 3452	19	0031	0055	0041	N22	E35	.706	8695	21.6	24	1-						1 1 1
HALE	19	0031	0055	0041	N22	E35	.706	8695	21.6	24	-F	2	0041	.15	.20		
GRP 3453	19	0545	0555	0547	N18	W39	.718	8691	16.3	10	1-						1 1 1
CRON	19	0545	0555	0547	N18	W39	.718	8691	16.3	10	-F						100

SOLAR FLARES
REVISED
FEBRUARY 1967

OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION MIN.	IMPOR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END		APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MG MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
GRP 3454	19	0820	0913		S24	E08	.320	8694	19.9	53	1-						1 1 1
BUCA	19	0820E	0913D		S24	E08	.320	8694	19.9	53D	-F	C	0842	1.20	1.70		
GRP 3455	19	1305	1338		S27	E08	.365	8694	20.1	33	1-			.51			1 1 1
HUAN	19	1305E	1338		S27	E08	.365	8694	20.1	33D	-F	1 P	1326	.57	.57		E
GRP 3456	19	1531	1536		N17	E20	.516	8695	21.1	5	1-			.23			1 1 1
HUAN	19	1531E	1536		N17	E20	.516	8695	21.1	50	-F	2 P	1531	.25	.26		D
	19	1620	1625		NO FLARE PATROL												
	19	1635	1655		NO FLARE PATROL												
GRP 3457	19	1658	1730		N15	W19	.484	8693	18.3	32	1-			.54			2 2 2
LOCK	19	1658U	1730U		N14	W19	.473	8693	18.3	32U	-F	C	1710	.70	.80		10
HALE	19	1701E	1729		N15	W18	.474	8693	18.4	28D	-N	2 P	1716	.31	.40		F
GRP 3458	19	1825	1845		N22	E34	.697	8695	22.3	20	1-			.40			1 1 1
LOCK	19	1825E	1845		N22	E34	.697	8695	22.3	20D	-F	C	1830	.40	.60		10
GRP 3459	19	1943	2000	1948	S36	E04	.489	8694	20.1	17	1-			1.05			1 1 1
LOCK	19	1943	2000	1948	S36	E04	.489	8694	20.1	17	-N	C	1948	1.00	1.10		20
GRP 3460	19	1945	1956	1946	S26	E04	.332	8694	20.1	11	1-			.43			L
HALE	19	1945	1957	1946	S26	E04	.332	8694	20.1	12	-N	2 C	1946	.21	.21		2 2 2
HUAN	19	1946E	1954		S26	E04	.332	8694	20.1	8D	-N	1 P	1946	.67	.67		F
GRP 3461	19	2244	2315	2250	N23	E31	.677	8695	22.3	31	1-			.40			E
LOCK	19	2244	2315	2250	N23	E31	.677	8695	22.3	31	-F	C	2250	.40	.60		1 1 1
GRP 3462	20	0109	0139	0114	N14	E22	.505	8695	21.7	30	1-			.25			2 2 2
CRON	20	0105	0153	0113	N13	E22	.494	8695	21.7	48	-N	C		.30	.30		200
MANI	20	0113	0124	0115	N14	E22	.505	8695	21.7	11	-F	2	0115	.21	.24		
GRP 3463	20	0109	0154	0111	N19	E15	.499	8695	21.2	45	1-			.40			1 1 1
CRON	20	0109	0154	0111	N19	E15	.499	8695	21.2	45	-N	C		.40	.50		200
GRP 3464	20	0315	0342	0322	N16	E10	.423	8695	20.9	27	1-			.20			1 1 1
CRON	20	0315	0342	0322	N16	E10	.423	8695	20.9	27	-F	C		.20	.20		100
GRP 3465	20	0341	0359	0343	N21	E28	.633	8695	22.3	18	1-			.50			1 1 1
CRON	20	0341	0359	0343	N21	E28	.633	8695	22.3	18	-N	C		.50	.60		200
GRP 3466	20	0415	0430	0419	N18	W51	.831	8691	16.4	15	1-			.50			1 1 1
CRON	20	0415	0430	0419	N18	W51	.831	8691	16.4	15	-F	C		.50	.90		100
GRP 3467	20	0417	0438	0429	N16	E05	.399	8695	20.6	21	1-			.40			1 1 1
CRON	20	0417	0438D	0429	N16	E05	.399	8695	20.6	21D	-F	C		.40	.40		100
GRP 3468	20	0725	0821	0805	N16	E13	.444	8695	21.3	56	1			1.80			1 1 1
CRON	20	0725	0821D	0805	N16	E13	.444	8695	21.3	56D	1F	C		1.80	2.00		100
GRP 3469	20	0749	0809	0752	N24	E26	.644	8695	22.3	20	1-			.10			1 1 1
CRON	20	0749	0809	0752	N24	E26	.644	8695	22.3	20	-F	C		.10	.10		100
GRP 3470	20	0810	0830		N11	E90	1.000	8704	27.1	20	1-						1 1 0
ISTA	20	0810	0830		N11	E90	1.000	8704	27.1	20	-N						
	20	1355	1400		NO FLARE PATROL												
	20	1420	1440		NO FLARE PATROL												
	20	1505	1515		NO FLARE PATROL												
GRP 3471	20	1534	1549		N24	E90	1.001	8704	27.4	15	1			.24			1 1 1
HUAN	20	1534	1549		N24	E90	1.001	8704	27.4	15	-F	1 C	1541	.37			D
GRP 3472	20	1631	1648	1637	N22	E90	1.001	8704	27.4	17	1-			.51			1 1 1
LOCK	20	1631	1648	1637	N22	E90	1.001	8704	27.4	17	1N	C	1637	.60	2.30		20
GRP 3473	20	2059	2140	2104	N24	E12	.547	8695	21.8	41	1-			1.17			1 1 1
LOCK	20	2059	2140	2104	N24	E12	.547	8695	21.8	41	-B	C	2104	1.10	1.30		30
GRP 3474	20	2116	2148	2121	N24	E90	1.001	8704	27.6	32	1-			.27			2 2 2
CULG	20	2115	2205D	2122	N25	E90	1.001	8704	27.6	50D	-N	P	2122	.31			
LOCK	20	2117	2130	2120	N22	E90	1.001	8704	27.6	13	-F	C	2120	.30	1.10		10
GRP 3475	20	2152	2251	2211	N22	E12	.520	8695	21.8	59	1-			.99			3 3 3
CULG	20	2143	2205D	2202	N22	E11	.514	8695	21.7	22D	-B	P	2202	1.55	1.65		
HALE	20	2200	2251	2213	N22	E12	.520	8695	21.8	51	-N	2 C	2213	.88	1.00		
HOUS	20	2202E	2218D	2208U	N22	E12	.520	8695	21.8	16D	-N	C		.50	.60		200
GRP 3476	20	2224	0040	2257	S26	E70	.933	8703	26.2	136	1			1.67			1 1 1
CULG	20	2224E	0040	2257	S26	E70	.933	8703	26.2	136D	1F	P	2257	1.86			LH
GRP 3477	20	2241	2258	2245	N24	E90	1.001	8704	27.7	17	1-			.18			2 2 2
LOCK	20	2241	2254	2245	N22	E90	1.001	8704	27.7	13	-F	C	2245	.20	.80		10
CULG	20	2241	2301	2244	N26	E90	1.001	8704	27.7	20	-N	C	2244	.21			
GRP 3478	20	2321	2339	2327	N24	E90	1.001	8704	27.7	18	1			.37			2 2 1
CUI G	20	2321	2339	2327	N25	E90	1.001	8704	27.7	18	-N	C	2327	.41			
IKOM	20	2326E	2333D		N22	E90	1.001	8704	27.7	7D	-F	V					
GRP 3479	21	0025	0048	0033	N14	W36	.662	8693	18.3	23	1-			.44			3 3 3
HALE	21	0023	0030	0033	N15	W34	.646	8693	18.5	13	-N	2 C	0033	.21	.30		
LOCK	21	0026	0050	0032	N14	W37	.673	8693	18.2	24	-N	C	0032	.70	1.00		20
CULG	21	0026	0050	0033	N14	W36	.662	8693	18.3	33	-N	C	0033	.41	.56		L
GRP 3480	21	0033	0100	0049	N23	E86	1.000	8704	27.5	27	1-			.18			3 3 3
HALE	21	0025	0108	0051	N24	E87	1.000	8704	27.5	43	-N	2 C	0051	.15			T
LOCK	21	0040	0050	0047	N22	E90	1.001	8704	27.8	16	-F	C	0047	.20	.80		10
MANI	21	0040E	0057		N24	F82	.997	8704	27.2	17D	-N	2	0042	.26	.70		

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %		
GRP 3481	21	0121	0145	0127	N24	E81	.996	8704	27.1	24	1-							4 4 4		
HALE	21	0116	0158	0129	N22	E75	.981	8704	26.7	42	-B	2	C	0129	.56				T	
CULG	21	0118	0150	0127	N26	E87	1.000	8704	27.6	32	-N		C	0127	.83					
MITK	21	0123	0138	0127	N23	E80	.994	8704	27.1	15	-F		C	0127	.52					
MANI	21	0125	0135	0126	N24	E81	.996	8704	27.1	10	-N	2		0126	.62	1.69				
GRP 3482	21	0152	0313	0211	N15	W34	.646	8693	18.5	81	1-				1.12				1 1 1	
HALE	21	0152	0313	0211	N15	W34	.646	8693	18.5	81	-F	2	C	0211	.93	1.20				
GRP 3483	21	0229	0303	0300	N23	E81	.995	8704	27.2	34	1				.60				6 3 3	
HALE	21	0200	0313	0302	N23	E78	.990	8704	26.9	73	1B	2	C	0302	.62				T	
IKOM	21	0209E	0307D		N22	E85	.999	8704	27.5	58D	-B		V	0257	.52			115	D	
MANI	21	0212	0230	0215	N23	E81	.995	8704	27.2	18	-F	3		0215	.31	.83				
CRON	21	0237E	0310D	0259U	N23	E78	.990	8704	27.0	24D	1B		C		1.00	3.40		300	I	
CULG	21	0250	0316	0258	N25	E80	.995	8704	27.1	26	1B		C	0258	1.03					
MITK	21	0253	0311	0302	N24	E85	1.000	8704	27.5	18	1N		C	0302	.62					
GRP 3484	21	0415	0428	0420	S27	E30	.570	8700	23.4	13	1-				.28				1 1 1	
MANI	21	0415E	0428D	0420	S27	E30	.570	8700	23.4	13D	-F	2		0420	.31	.38				
GRP 3485	21	0447	0509	0501	N25	E83	.998	8704	27.4	22	1				.27				3 3 3	
IKOM	21	0435E	0506D		N22	E85	.999	8704	27.6	31D	-N		V	0452	.52				D	
CULG	21	0447	0510	0501	N27	E80	.995	8704	27.2	23	-N		C	0501	.21				L	
MITK	21	0458	0507	0501	N25	E85	1.000	8704	27.6	9	-F		C	0501	.52				D	
GRP 3486	21	0628	0700	0634	N26	E80	.995	8704	27.3	32	1				1.10				2 2 2	
CULG	21	0628	0716	0633	N27	E82	.998	8704	27.4	48	1B		C	0633	1.34				L	
TACH	21	0629	0643	0634	N25	E78	.991	8704	27.1	14	1F		C	0634	1.24		1.20	51	D	
GRP 3487	21	0649	0840	0715	N24	E79	.992	8704	27.2	111	1-				.96				5 5 5	
ABST	21	0618E	0840D	0712	N25	E75	.983	8704	26.9	142D	1		C	0712	1.80	3.90			FGK	
MANI	21	0630E	0721D		N22	E83	.998	8704	27.5	51D	1N	2		0631	.83	2.26				
IKOM	21	0632	0632D		N22	E80	.993	8704	27.3		-B		P	0632	.72				DO	
CULG	21	0702	0815D	0715	N26	E81	.995	8704	27.4	73D	-B		C	0715	.72				L	
TACH	21	0709E	0722D	0717	N25	E78	.991	8704	27.1	13D	1N		C	0717	1.29		2.10	66	L	
GRP 3488	21	0747	0815	0759	N16	W40	.717	8693	18.3	28	1-				.75				1 1 1	
CULG	21	0747	0815D	0759	N16	W40	.717	8693	18.3	28D	-N		P	0759	.83	1.12				
	21	0815	0825		NO FLARE PATROL															
	21	0945	1025		NO FLARE PATROL															
	21	1110	1210		NO FLARE PATROL															
	21	1315	1410		NO FLARE PATROL															
GRP 3489	21	1426	1430		N25	E85	1.000	8704	28.0	4	1-				.54					1 1 1
UCCL	21	1426E	1430D		N25	E85	1.000	8704	28.0	4D	1N		P	1430	.77				AE	
GRP 3490	21	1508	1523		N27	E76	.987	8704	27.3	15	1				.33					1 1 1
HUAN	21	1508E	1523		N27	E76	.987	8704	27.3	15D	-N	1	P	1516	.50					E
GRP 3491	21	1603	1720	1608	N24	E69	.961	8704	26.8	77	1				.67					4 3 4
HOUS	21	1603	1638	1608	N23	E68	.956	8704	26.8	35	1N		C		.80	2.30		200	I	
HUAN	21	1609E	1637	1635	N24	E74	.980	8704	27.2	28D	-N	1	P	1635	.35					D
LOCK	21	1609E	1638	1609U	N23	E67	.951	8704	26.7	29D	1N		C	1609	1.00	2.40		20	L	
MOMA	21	1613E	1850D		N26	E70	.968	8704	26.9	157D	1B		P	1613					B	
GRP 3492	21	1727	1813	1734	N13	W46	.765	8693	18.3	46	1-				.79					5 5 5
LOCK	21	1725	1800	1734	N13	W46	.765	8693	18.3	35	-N		C	1734	1.00	1.60		20	L	
HALE	21	1727	1829	1734	N14	W46	.769	8693	18.3	62	-B	2	C	1734	.52	.80				F
HOUS	21	1728	1809	1735	N13	W45	.755	8693	18.4	41	-N		C		.40	.60		200	E	
MOMA	21	1734E	1755D		N13	W46	.765	8693	18.3	21D	-B		P	1734	.72	1.20				
HUAN	21	1734E	1803D		N14	W47	.779	8693	18.2	29D	-B	1	P	1740	1.05	1.33				
GRP 3493	21	1743	1802	1751	N24	E70	.966	8704	27.0	19	1-				.39					4 4 4
HALE	21	1702E	1759	1751	N22	E67	.950	8704	26.7	57D	-N	2	P	1751	.31					T
HUAN	21	1742	1749D		N25	E74	.981	8704	27.3	7D	-N	1	P	1749	.45					D
HOUS	21	1743	1802	1752	N24	E68	.957	8704	26.8	19	-N		C		.40	1.10		200	I	
LOCK	21	1744	1805	1749	N23	E67	.951	8704	26.8	21	-N		C	1749	.50	1.40		20	H	
GRP 3494	21	1829	1905	1856	N23	E69	.960	8704	26.9	36	1-				.43					2 2 2
HOUS	21	1816	1904	1856	N24	E68	.957	8704	26.9	48	-N		C		.40	1.10		200	I	
LOCK	21	1841	1905	1857	N22	E69	.959	8704	27.0	24	-F		C	1844	.30	.90		10	H	
GRP 3495	21	1820	1844	1830	N18	W14	.479	8695	20.7	24	1-				.19					1 1 1
LOCK	21	1820	1844	1830	N18	W14	.479	8695	20.7	24	-F		C	1830	.20	.20		10		
GRP 3496	21	1847	1927	1902	N22	E05	.492	8695	22.2	40	1-				.14					2 2
LOCK	21	1835	1950	1900	N22	E05	.492	8695	22.1	75	-F		C	1900	.10	.10		10	H	
HALE	21	1900	1904	1903	N22	E05	.492	8695	22.2	4	-N	2	C	1903	.15	.20				
GRP 3497	21	1941	2016	1947	N23	E05	.507	8695	22.2	35	1-				.18					1 1 1
HALE	21	1941	2016	1947	N23	E05	.507	8695	22.2	35	-N	2	C	1947	.15	.20				
GRP 3498	21	1935	2020	2006	N24	E69	.961	8704	27.0	45	1-				.51					5 4 4
HUAN	21	1914	2013D		N24	E74	.980	8704	27.4	59D	-B	1	P	2007	.57					D
HOUS	21	1914	2021	2007	N23	E69	.960	8704	27.0	67	1N		C		.60	2.60		200	I	
LOCK	21	1955	2015	2004	N23	E67	.951	8704	26.9	20	-N		C	2004	.60	1.60		20	H	
HALE	21	1956	2024	2008	N25	E68	.958	8704	26.9	28	-N	2	C	2008	.41					T
MOMA	21	2010E	2010D		N26	E67	.956	8704	26.9		-B		P	2010	.41	1.00				E

February 21, 1603UT: other maxima at 1635, 1750 and 1845UT;
also February 21, 1941UT: an earlier maximum at 1928.

SOLAR FLARES

REVISED

FEBRUARY 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	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 Ha		MAX. INT.
GRP 3542	23	0053	0138	0111	N23	E48	.827	8704	26.6	45	1							
	CRON	23	0049	0135D	0109U	N23	E47	.818	8704	26.6	46D	1B			1.05			3 3 3
	MANI	23	0053	0130	0115	N23	E48	.827	8704	26.6	37	-N 2	0115		.62	1.05		
	HALE	23	0056	0145	0110	N24	E50	.846	8704	26.8	49	1B	0110		1.19	2.10		VZ
GRP 3543	23	0107	0131	0115	N16	E30	.610	8702	25.3	24	1-			.10			1 1 1	
	CRON	23	0107	0131	0115	N16	E30	.610	8702	25.3	24	-N			.10	.10		200
GRP 3544	23	0157	0218	0206	N23	E47	.818	8704	26.6	21	1-			.40			1 1 1	
	CRON	23	0157	0218D	0206	N23	E47	.818	8704	26.6	21D	-N			.40	.70		200
GRP 3545	23	0242	0340	0259	N23	E51	.850	8704	26.9	58	1-			.92			3 2 2	
	CRON	23	0231D	0332D		N23	E50	.842	8704	26.9	61D	1N			1.40	2.70		200
	HALE	23	0253	0340	0259	N24	E53	.869	8704	27.1	47	-N	0259		.36	.70		IK
GRP 3546	23	0330E	0340	0331	N23	E51	.850	8704	27.0	10D	-F 2			.31	.56			
	MANI	23	0426	0433	0429	N23	E51	.850	8704	27.0	7	1	0331		1.40			1 1 1
	CRON	23	0426	0433D	0429	N23	E51	.850	8704	27.0	7D	1N			1.40	2.70		200
	23	0510	0520		NO FLARE PATROL													
GRP 3547	23	0526	0557	0528	N22	E51	.846	8704	27.1	31	1-			.60			1 1 1	
	CRON	23	0526E	0557D	0528	N22	E51	.846	8704	27.1	31D	-N			.60	1.20		200
GRP 3548	23	0625	0633		N25	E47	.828	8704	26.8	8	1-			1.29			1 1 1	
	MANI	23	0625E	0633		N25	E47	.828	8704	26.8	8D	1N	0628		1.44	2.11		
GRP 3549	23	0633	0639	0635	N21	E61	.914	8704	27.8	6	1-			.24			1 1 1	
	MANI	23	0633	0639	0635	N21	E61	.914	8704	27.8	6	-F 2	0635		.31	.65		
GRP 3550	23	0735	0739		N26	E49	.847	8704	27.0	4	1-			.34			1 1 1	
	MANI	23	0735E	0739D		N26	E49	.847	8704	27.0	4D	-N	0737		.41	.72		
GRP 3551	23	0829	0857	0833	N24	E43	.790	8704	26.6	28	2+			5.10			4 4 4	
	BUCA	23	0828E	0847D	0830	N23	E43	.785	8704	26.6	19D	1B	0830		1.47	2.40		
	CRON	23	0829	0905D	0832	N23	E41	.767	8704	26.4	36D	1B			1.30	2.10		300
GRP 3552	23	0831E	0845D	0838	N23	E42	.776	8704	26.5	14D	3B	0838		8.46	14.00		302	
	MANI	23	0831E	0848	0833	N25	E45	.812	8704	26.7	17D	3B 2	0833		7.99	13.33		
GRP 3552	23	0915	0940		N12	W70	.952	8693	18.1	25	1-			1.65			1 1 1	
	WEND	23	0915E	0940		N12	W70	.952	8693	18.1	25D	1N			4.13			
GRP 3553	23	1113	1115		N24	E40	.765	8704	26.5	2	1-						1 1 0	
	ONDE	23	1113E	1115		N24	E40	.765	8704	26.5	2D	-N						CO
GRP 3554	23	1143	1218	1150	N24	E51	.854	8704	27.3	35	2+			8.60			2 2 2	
	WEND	23	1143E	1218		N24	E52	.861	8704	27.4	35D	2F			10.31			
GRP 3555	23	1144E	1215D	1150	N23	E50	.842	8704	27.2	31D	3B	1150		8.95	16.80		269	
	CATA	23	1217	1231		N20	W85	.999	8693	17.1	14	1-			.72			1 1 1
	UCCL	23	1217E	1231D		N20	W85	.999	8693	17.1	14D	1F	1221		1.03			E
	23	1230	1235		NO FLARE PATROL													
	23	1255	1350		NO FLARE PATROL													
	23	1355	1415		NO FLARE PATROL													
GRP 3556	23	1417	1445		N25	E49	.843	8704	27.3	28	1			2.45			2 2 2	
	MCMA	23	1417E	1428D		N24	E48	.831	8704	27.2	11D	1N	1419		1.24	2.00		E
GRP 3556	23	1420E	1445D		N25	E50	.851	8704	27.3	25D	1N	1425		3.09			O	
GRP 3557	23	1506	1523	1515	N24	E47	.823	8704	27.2	17	1-			.90			2 1 1	
	MCMA	23	1500	1525	1515	N24	E48	.831	8704	27.2	25	-N	1503		.62	1.10		E
GRP 3558	23	1512	1521	1515	N24	E45	.807	8704	27.0	9	-F			.99	1.31			
	SACP	23	1532	1543	1534	N17	W36	.682	8695	20.9	11	1-			.72			1 1 1
GRP 3559	23	1532	1543	1534	N17	W36	.682	8695	20.9	11	-F			.80	.93			
	SACP	23	1609	1627	1615	N24	E38	.748	8704	26.5	18	1+			3.03			3 2 2
GRP 3560	23	1608	1624D	1615	N25	E38	.754	8704	26.5	16D	1B	1615		3.09	4.30		EH	
	SACP	23	1610	1628	1614	N23	E39	.750	8704	26.6	18	1N			1.89	2.33		
	HUAN	23	1621E	1626		N24	E38	.748	8704	26.5	5D	-B 1	1621		.46	.58		DH
GRP 3560	23	1625	1707	1631	N24	E45	.807	8704	27.1	42	1			2.02			3 3 3	
	MCMA	23	1624	1715D	1630	N25	E45	.812	8704	27.1	51D	1B	1630		2.27	3.50		EH
	HUAN	23	1625	1650D		N23	E45	.802	8704	27.1	25D	1N	1630		1.75	2.30		EH
GRP 3561	23	1626	1659	1631	N23	E45	.802	8704	27.1	33	-N			1.44	1.90			
	SACP	23	1701	1722	1707	N22	E61	.917	8704	28.3	21	1-			1.11			3 3 3
	HALE	23	1700	1730	1707	N22	E62	.923	8704	28.4	30	1B	1707		.83			F
GRP 3561	23	1701	1714	1706	N22	E61	.917	8704	28.3	13	-B	1706		.62	1.50		E	
	MCMA	23	1701	1722	1707	N22	E61	.917	8704	28.3	21	1N			1.54	2.62		
GRP 3562	23	1730	1811	1720	N17	W37	.692	8695	21.0	41	1-			1.00			2 1 1	
	HALE	23	1717	1815	1720	N16	W35	.664	8695	21.1	58	-N	1720		.83	1.10		
GRP 3563	23	1742	1806	1747	N17	W38	.703	8695	20.9	24	-F			.91	1.05			
	SACP	23	1728	1746	1730	N24	E44	.799	8704	27.0	18	1-			1.38			1 1 1
GRP 3564	23	1728	1746	1730	N24	E44	.799	8704	27.0	18	-N			1.53	2.01			
	SACP	23	1910	1921	1913	N22	E37	.725	8704	26.6	11	1-			.50			2 2 2
GRP 3565	23	1910	1919	1913	N22	E38	.734	8704	26.6	9	-N			.63	.76			
	HALE	23	1910	1922	1913	N22	E36	.716	8704	26.5	12	-N	1913		.36	.50		F
	MCMA	23	1925	1932	1928	N23	E57	.893	8704	28.1	7	1-			.78			1 1 1
GRP 3566	23	1925	1932	1928	N23	E57	.893	8704	28.1	7	-N			.52	1.00		E	
	MCMA	23	1941	2019		N24	E57	.896	8704	28.1	38	1-			.94			1 1 1
GRP 3566	23	1941E	2019D		N24	E57	.896	8704	28.1	38D	-N	1949		.62	1.20		E	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
GRP 3567	23	2030	2046	2037	N23	E48	.827	8704	27.5	16	1-							2 2 2
HOUS	23	2025	2046	2037	N22	E48	.822	8704	27.5	21	-N							200
HALE	23	2034	2045	2036	N23	E47	.818	8704	27.4	11	-N	1	C	2036	.26	.50		
GRP 3568	23	2049	2104	2052	N22	E58	.897	8704	28.2	15	1-							2 2 2
HALE	23	2048	2107	2052	N22	E58	.897	8704	28.2	19	-N	1	C	2052	.46	1.10		F
HOUS	23	2049	2100	2051	N21	E58	.895	8704	28.2	11	-N		C		.30	.60		200
GRP 3569	23	2121	2131	2125	N22	E51	.846	8704	27.7	10	1-							1 1 1
HOUS	23	2121	2131	2125	N22	E51	.846	8704	27.7	10	-F		C		.20	.40		100
GRP 3570	23	2210	2220	2215	S21	E07	.267	8700	24.4	10	1-							1 1 1
HALE	23	2210	2220	2215	S21	E07	.267	8700	24.4	10	-F	1	C	2215	.37	.32		G
GRP 3571	23	2212	2232	2219	N18	W40	.729	8695	20.9	20	1-							2 2 2
HOUS	23	2211	2232	2216	N19	W41	.744	8695	20.8	24	-F		C		.60	.90		100
HALE	23	2212	2228	2222	N16	W39	.707	8695	21.0	16	-N	1	C	2222	.31	.40		F
GRP 3572	23	2244	2255	2245	N23	E48	.827	8704	27.5	11	1-							1 1 1
HALE	23	2244	2255	2245	N23	E48	.827	8704	27.5	11	-N	1	C	2245	.26	.50		
GRP 3573	23	2246	2318	2253	S26	W04	.330	8700	23.6	32	1-							1 1 1
MANI	23	2246	2318	2253	S26	W04	.330	8700	23.6	32	-N	1		2253	1.03	1.19		
GRP 3574	23	2332	2355	2342	N16	W38	.696	8695	21.1	23	1-							1 1 1
HALE	23	2332	2355	2342	N16	W38	.696	8695	21.1	23	-N	1	C	2342	.43	.50		F
GRP 3575	24	0020	0026	0021	N23	E46	.810	8704	27.5	6	1-							1 1 1
HALE	24	0020	0026	0021	N23	E46	.810	8704	27.5	6	-N	1	C	0021	.25	.40		
GRP 3576	24	0040	0053	0039	N24	E37	.739	8704	26.8	13	1-							3 2 2
SACP	24	0036U	0050D	0038U	N24	E40	.765	8704	27.0	14D	-F		C		1.11	1.39		
HALE	24	0037	0049	0040	N23	E38	.741	8704	26.9	12	-N	1	C	0040	.75	.60		
MANI	24	0047	0056		N25	E34	.721	8704	26.6	9	-F	2		0049	.41	.30		
GRP 3577	24	0047	0100	0048	N25	E31	.696	8704	26.4	13	1-							1 1 1
HALE	24	0047	0100	0048	N25	E31	.696	8704	26.4	13	-N	1	C	0048	.55	.60		
GRP 3578	24	0131	0140	0134	N23	E38	.741	8704	26.9	9	1-							1 1 1
HALE	24	0131	0140	0134	N23	E38	.741	8704	26.9	9	-N	1	C	0134	.62	.80		
GRP 3579	24	0133	0153	0137	N20	E58	.892	8704	28.4	20	1-							1 1 1
MANI	24	0133	0153	0137	N20	E58	.892	8704	28.4	20	-F	2		0137	.42	.99		F
GRP 3580	24	0212	0220	0213	N23	E46	.810	8704	27.5	8	1-							1 1 1
HALE	24	0212	0220	0213	N23	E46	.810	8704	27.5	8	-N	1	C	0213	.43	.60		
GRP 3581	24	0232	0242	0225	N26	E45	.817	8704	27.5	10	1-							3 2 2
HALE	24	0223	0240	0225	N25	E46	.820	8704	27.5	17	-N	1	C	0225	.48	.60		
MANI	24	0224E	0234		N27	E46	.830	8704	27.6	10D	-F	2		0224	.36	1.07		
CRON	24	0240	0251	0243	N26	E44	.809	8704	27.4	11	-N		C		.62	.70		200
GRP 3582	24	0308	0333	0316	N23	E47	.819	8704	27.7	25	1-							2 2 2
HALE	24	0308	0341	0318	N23	E46	.810	8704	27.6	33	-N	1	C	0318	.27	.40		
MANI	24	0312E	0334	0313	N23	E48	.827	8704	27.7	12D	-N	2		0313	.26	.45		
GRP 3583	24	0333	0350	0337	N25	W33	.712	8695	21.7	17	1-							2 2 2
CRON	24	0333E	0349	0339	N24	W33	.704	8695	21.7	16D	-N		C		.40	.40		200
HALE	24	0333	0350	0335	N25	W32	.704	8698	21.7	17	-B	1	C	0335	.30	.60		
GRP 3584	24	0357	0424	0400	N24	E40	.765	8704	27.2	27	1-							2 2 2
HALE	24	0355	0415	0357	N24	E36	.731	8704	26.9	20	-N	1	C	0357	.55	.90		
MANI	24	0359	0432	0402	N23	E43	.785	8704	27.4	33	-F	2		0402	.62	.63		
GRP 3585	24	0521	0547	0525	N21	E56	.881	8704	28.4	26	1-							1 1 1
MANI	24	0521	0547	0525	N21	E56	.881	8704	28.4	26	-N	1		0525	.98	1.86		F
GRP 3586	24	0609	0727	0615	N23	E39	.750	8704	27.2	78	1							5 3 3
MANI	24	0607E	0739	0619	N23	E42	.776	8704	27.4	92D	1N	2		0619	1.94	2.13		F
SIHE	24	0607	0740D	0615	N22	E40	.753	8704	27.3	93D	2N		C	0621	1.34	5.60		86
KODA	24	0614	0632	0646	N23	E37	.732	8704	27.0	38	-N		V	0639	.41	1.90		1.84
CRON	24	0641E	0736	0646	N23	E38	.741	8704	27.1	55D	-B		C		.90	1.40		300
WENDU	24	0715E	0734D		N23	E39	.750	8704	27.2	19D	2N		V		6.19			
GRP 3587	24	0647	0714	0648	N18	W45	.777	8695	20.9	27	1-							1 1 1
CRON	24	0647	0714	0648	N18	W45	.777	8695	20.9	27	-F		C		.80	1.30		100
GRP 3588	24	0739	0836		N24	E47	.823	8704	27.8	57	1-							2 2 2
MONT	24	0739E	0830D		N25	E45	.812	8704	27.7	51D	-N		C	0739	.86			O
BUCA	24	0804E	0836		N22	E48	.822	8704	27.9	32D	-N		C	0807	1.55	.40		
GRP 3589	24	0801	0828		N23	E32	.688	8704	26.7	27	1-							1 1 1
BUCA	24	0801E	0828D		N23	E32	.688	8704	26.7	27D	-N		P	0804	.34	.70		F
GRP 3590	24	0808	0817	0810	N20	E55	.870	8704	28.5	9	1-							1 1 1
MANI	24	0808	0817	0810	N20	E55	.870	8704	28.5	9	-N	2		0810	.21	.40		D
GRP 3591	24	0844	0903	0847	N21	E52	.851	8704	28.3	19	1-							3 3 3
CRON	24	0843	0902	0848	N21	E52	.851	8704	28.3	19	-N		C		.47	.70		200
ARCE	24	0845	0900	0845	N20	E55	.870	8704	28.5	15	-N		C	0845	.40	1.30		D
BUCA	24	0845E	0908D		N22	E48	.822	8704	28.0	23D	-N		C	0846	.72	.70		
GRP 3592	24	1024	1043		N24	E35	.722	8704	27.1	19	1-							2 2 2
ARCE	24	1020E	1020D		N24	E35	.722	8704	27.1	15	1N		P	1020	1.49	2.40		
WENDU	24	1028	1043		N24	E35	.722	8704	27.1	15	1N		V		1.72			

SOLAR FLARES

REVISED

FEBRUARY 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS
	DATE	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 Hg	
1967 FEB																	
GRP 3593	24	1155	1206		N21	E44	.783	8704	27.8	11	1-						3 3 3
CAPS	24	1154E	1202		N20	E41	.750	8704	27.6	8D	-N	2	1156	.56	1.90		170 C
MEIU	24	1154	1203D		N22	E45	.797	8704	27.9	9D	-F		C 1154	.31	.40		D O
MONT	24	1157	1210		N21	E47	.809	8704	28.0	13	-F		C 1157	.83			O
GRP 3594	24	1213	1239	1218	N24	E28	.662	8704	26.6	26	1-			.65			4 4 4
MONT	24	1211	1246D		N27	E30	.705	8704	26.8	35D	-N		C 1215	.52			OH
HUAN	24	1212	1239	1218	N25	E26	.655	8704	26.5	27	-N	2	C 1218	.45	.51		E
WEND	24	1215	1234		N23	E27	.644	8704	26.5	19	1N		V	3.09			
MEIU	24	1216E	1239		N22	E30	.661	8704	26.8	19D	-N		C 1217	.52	.60		E
GRP 3595	24	1258	1306	1302	N25	E30	.687	8704	26.8	8	1-			.73			3 3 2
WEND	24	1255	1308		N25	E30	.687	8704	26.8	13	-N						
HUAN	24	1258	1305	1301	N26	E30	.696	8704	26.8	7	-N	1	C 1301	.77	.91		E
MEIU	24	1300	1306	1302	N25	E30	.687	8704	26.8	6	-N		C 1302	.93	1.20		E
GRP 3596	24	1441	1448		N26	E43	.802	8704	27.8	7	1-			.19			1 1 1
HUAN	24	1441E	1448D		N26	E43	.802	8704	27.8	7D	-F	1	P 1442	.21	.27		D
GRP 3597	24	1517	1536	1523	N23	E33	.697	8704	27.1	19	1-			1.19			4 4 4
LOCA	24	1515	1535	1520	N23	E32	.688	8704	27.0	20	1N		V 1520	3.16	4.50		E
SACP	24	1516E	1542U	1525U	N23	E32	.688	8704	27.0	26U	-F		C	1.34	1.56		E
HUAN	24	1517E	1540U		N24	E34	.713	8704	27.2	3D	-N	1	P 1518	.35	.42		E
CAPS	24	1518	1532		N22	E33	.689	8704	27.1	14	-N	3	1522	.70	1.00		165 E
GRP 3598	24	1554	1609	1600	N24	E32	.696	8704	27.1	15	1-			.70			1 1 1
HOUS	24	1554	1609	1600	N24	E32	.696	8704	27.1	15	-N		C	.70	1.00		EI
GRP 3599	24	1637	1702	1644	S27	W14	.405	8700	23.6	25	1-			.39			2 2 2
HOUS	24	1637	1702D	1644	S27	W13	.397	8700	23.7	25D	-F		C	.30	.30		EH
HUAN	24	1642E	1655D		S27	W14	.405	8700	23.6	13D	-F	1	P 1645	.52	.52		E
GRP 3600	24	1639	1658	1646	N24	E32	.696	8704	27.1	19	1-			.70			1 1 1
HOUS	24	1639	1658	1646	N24	E32	.696	8704	27.1	19	-N		C	.70	1.00		EI
GRP 3601	24	1717	1748	1719	N24	E31	.687	8704	27.0	21	1-			.74			2 2 2
HALE	24	1716	1742	1719	N24	E30	.679	8704	27.0	26	-N	3	C 1719	.62	.80		EF
MCMA	24	1718	1733	1719	N24	E32	.696	8704	27.1	15	-N		C 1719	.52	.70		E
GRP 3602	24	1749	1821	1752	N24	E32	.696	8704	27.1	32	1-			.75			2 2 2
MCMA	24	1745	1820	1752	N24	E32	.696	8704	27.1	35	-N		C 1752	.52	.70		E
HUAN	24	1752	1822		N24	E31	.687	8704	27.1	30	-N	1	P 1800	.88	1.00		E
GRP 3603	24	1900	1944	1910	N24	E29	.670	8704	27.0	44	2-			4.04			5 3 3
HALE	24	1900	1940	1906	N25	E28	.671	8704	26.9	40	1B	2	C 1906	3.61	4.90		EF
SACP	24	1900	1943U	1907	N24	E29	.670	8704	27.0	43U	2B		C	6.32	7.24		F
HUAN	24	1909E	1931D		N24	E30	.679	8704	27.0	22D	1B	1	P 1909	2.89	3.30		H
HOUS	24	1912E	1948	1914	N24	E30	.679	8704	27.0	36D	1N		C	3.20	4.40		BEI
MCMA	24	1913E	1938D	1913	N22	E30	.661	8704	27.1	25D	1N		P 1913	2.06	2.70		E
GRP 3604	24	1948	2004	1950	N24	E29	.670	8704	27.0	16	1-			.32			2 2 2
HOUS	24	1947	2001	1950	N23	E30	.670	8704	27.1	14	-N		C	.20	.30		EI
HALE	24	1949	2007	1950	N24	E27	.653	8704	26.9	18	-N	1	C 1950	.36	.50		
GRP 3605	24	2041	2053	2043	N23	E30	.670	8704	27.1	12	1-			.30			1 1 1
HOUS	24	2041	2053	2043	N23	E30	.670	8704	27.1	12	-F		C	.30	.40		EI
GRP 3606	24	2110	2142	2114	N24	E31	.687	8704	27.2	32	1			.32			2 2 2
HUAN	24	2110	2200D	2117	N24	E29	.670	8704	27.1	50D	1F	1	P 2117	.37	.43		E
HOUS	24	2110	2124	2114	N24	E32	.696	8704	27.3	14	-N		C	.30	.40		EI
GRP 3607	24	2301	2313	2303	N23	E26	.635	8704	26.9	12	1-			.20			200
HOUS	24	2301	2313	2303	N23	E26	.635	8704	26.9	12	-F		C	.20	.30		1 1 1
GRP 3608	24	2341	0012	0000	N21	E33	.681	8704	27.5	31	2-			3.82			3 3 3
HALE	24	2303	2357	2334	N19	E38	.715	8704	27.8	54	1B	1	C 2334	1.75	2.50		EF
MANI	24	2355	0015	2359	N23	E31	.679	8704	27.3	20	1F	2	C 2359	1.65	2.29		F
IKOM	25	0005	0023		N22	E30	.661	8704	27.3	18	2B		P 0005	7.22	9.40		FO
GRP 3609	24	2315	2340	2316	N14	W56	.861	8695	20.8	5	1-			.25			1 1 1
HALE	24	2315	2320	2316	N14	W56	.861	8695	20.8	5	-B	1	C 2316	.21	.40		
GRP 3610	24	2337	2348	2340	N16	W80	.991	8693	19.0	11	1-			.20			1 1 1
CRON	24	2337	2348	2340	N16	W80	.991	8693	19.0	11	-F		C	.20	.70		100
GRP 3611	24	2355	2359	2356	N25	E24	.639	8704	26.8	4	1-			1.24			1 1 1
HALE	24	2355	2359D	2356	N25	E24	.639	8704	26.8	4D	-B	1	P 2356	1.03	1.30		
GRP 3612	25	0502	0516	0506	N27	E21	.639	8704	26.8	14	1-			.40			1 1 1
CRON	25	0502	0516	0506	N27	E21	.639	8704	26.8	14	-N		C	.40	.50		200
GRP 3613	25	0624	0643	0633	N23	E18	.572	8704	26.6	19	1-			.64			2 2 2
CRON	25	0624	0640	0633	N24	E15	.565	8704	26.4	16	-N		C	.90	1.10		200
MANI	25	0625E	0645		N22	E21	.583	8704	26.8	20D	-N	1	0627	.41	.51		EI
GRP 3614	25	0715	0758	0722	N26	E27	.673	8704	27.3	43	1-			.53			4 2 2
BUCA	25	0715E	0724D		N28	E29	.706	8704	27.5	7D	-F		P 0718	.65	.90		
CRON	25	0715	0748		N27	E27	.682	8704	27.3	33	-N		C	.60	.80		200
CATA	25	0740E	0800D	0740	N25	E24	.639	8704	27.1	20D	1B		C 0740	1.62	2.00		275
MONT	25	0749E	0805D		N25	E26	.655	8704	27.3	16D	1N		C 0754	2.48			OH
GRP 3615	25	0735	0742		N23	E21	.595	8704	26.9	7	1+						1 1 0
ONDE	25	0735E	0742D		N23	E21	.595	8704	26.9	7D	1B		V 0738		3.90		C

SOLAR FLARES

REVISED

FEBRUARY 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-PORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	1967 FEB																	
GRP 3616	25	0806	0828	0808	N21	E17	.541	8704	26.6	22	1-			.60			1 1 1	
CRON	25	0806	0828	0808	N21	E17	.541	8704	26.6	22	-N	C		.60	.70	200	IJ	
GRP 3617	25	0809	0850	0834	N24	E27	.653	8704	27.4	41	1-			.46			2 2 1	
BUCA	25	0807E	0841D		N23	E23	.610	8704	27.1	34D	-N	P	0807	.65	.80			
ISTA	25	0810	0850	0834	N24	E30	.679	8704	27.6	40	1B							
GRP 3618	25	0820	0825		N18	W62	.915	8695	20.7	5	1-						1 1 0	
ISTA	25	0820	0825		N18	W62	.915	8695	20.7	5	-F							
GRP 3619	25	0840	0845		S23	E13	.345	8703	26.3	5	1-						1 1 0	
ISTA	25	0840	0845		S23	E13	.345	8703	26.3	5	-F							
GRP 3620	25	0900	0923	0905	N24	E23	.621	8704	27.1	23	1-			.64			3 3 2	
ISTA	25	0859	0920		N23	E21	.595	8704	26.9	21	1N							
CRON	25	0901	0922	0905	N24	E23	.621	8704	27.1	21	-N	C		.70	.90	200	EI	
BUCA	25	0903E	0927D		N24	E24	.629	8704	27.2	24D	-N	C	0904	.81	1.00			
GRP 3621	25	0926	1023		N26	E29	.688	8704	27.6	57	1			1.83			2 2 2	
BUCA	25	0926E	1023D		N26	E33	.721	8704	27.9	57D	-N	C	0934	.81	1.20			
MONT	25	0930E	0938D		N25	E25	.647	8704	27.3	8D	1B	C	0932	3.09			0	
GRP 3622	25	1050	1055		N23	E24	.619	8704	27.3	5	1-			.22			1 1 1	
BUCA	25	1050E	1055		N23	E24	.619	8704	27.3	5D	-F	C	1051	.32	.40			
GRP 3623	25	1131	1208		N24	E25	.637	8704	27.4	37	1			1.53			2 2 2	
MONT	25	1107E	1140D		N25	E25	.647	8704	27.3	47D	1N	C	1107	2.06			0	
CAPS	25	1154	1208		N22	E24	.608	8704	27.3	14	-N	3	1200	1.00	1.30	190	FJ	
GRP 3624	25	1205	1218		N25	E15	.578	8704	26.6	13	1-						1 1 0	
WEND	25	1205	1218		N25	E15	.578	8704	26.6	13	-N							
GRP 3625	25	1322	1413	1414	N25	E27	.663	8704	27.6	51	1			1.97			5 5 5	
CAPS	25	1309E	1329D		N24	E28	.662	8704	27.6	20D	1N	3	1314	1.80	2.30	170		
MONT	25	1309E	1410		N26	E29	.688	8704	27.7	61D	1B	C	1309	3.09			OH	
HUAN	25	1310E	1333D		N26	E26	.665	8704	27.5	23D	1F	1	1317	2.16	2.45		EI	
MCMA	25	1321E	1400		N25	E24	.639	8704	27.4	39D	1N	P	1322	2.27	3.00		BE	
HOUS	25	1401	1428	1414	N26	E28	.680	8704	27.7	27	-F	C		.20	.30	100		
GRP 3626	25	1509	1528	1520	N27	E16	.609	8704	26.8	19	1			1.23			2 2 2	
HOUS	25	1509	1525	1520	N26	E14	.585	8704	26.7	16	-F	C		.40	.50	100	EH	
MONT	25	1516E	1530		N27	E18	.620	8704	27.0	14D	1N	C	1516	2.06			OH	
GRP 3627	25	1515	1533	1518	N23	E28	.652	8704	27.7	18	1-			.20			1 1 1	
HOUS	25	1515	1533	1518	N23	E28	.652	8704	27.7	18	-F	C		.20	.30	100	EI	
GRP 3628	25	1558	1608	1601	N24	E18	.584	8704	27.0	10	1-			.20			1 1 1	
HOUS	25	1558	1608	1601	N24	E18	.584	8704	27.0	10	-N	C		.20	.20	200	I	
GRP 3629	25	1611	1740	1719	N25	E21	.617	8704	27.2	89	1-			1.34			3 3 3	
HOUS	25	1611	1740	1719	N25	E20	.610	8704	27.2	89	-N	C		.60	.80	200	EI	
MCMA	25	1640E	1715D		N25	E20	.610	8704	27.2	35D	-N	C	1700	1.03	1.20		F	
HUAN	25	1648E	1726D		N25	E22	.624	8704	27.3	38D	1N	1	1653	2.63	2.88		EI	
GRP 3630	25	1715	1732	1723	N17	W60	.899	8695	21.2	17	1-			.20			1 1 1	
HOUS	25	1715	1732	1723	N17	W60	.899	8695	21.2	17	-N	C		.20	.40	200		
GRP 3631	25	1741	1753	1744	N26	E08	.560	8704	26.3	12	1-			.50			2 2 2	
HOUS	25	1739	1751	1744	N27	E06	.568	8704	26.2	12	-N	C		.20	.30	200	E	
HALE	25	1743	1754	1744	N25	E09	.549	8704	26.4	11	-N	3	1744	.67	.80			
GRP 3632	25	1745	1756	1750	N17	W60	.899	8695	21.2	11	1-			.20			1 1 1	
HOUS	25	1745	1756	1750	N17	W60	.899	8695	21.2	11	-F	C		.20	.40	100	E	
GRP 3633	25	1748	1843	1821	N27	E27	.682	8704	27.8	55	1-			1.09			2 1 2	
HOUS	25	1748	1843	1821	N27	E26	.675	8704	27.7	55	-N	C		.60	.80	200	EI	
HUAN	25	1809E	1833D		N26	E27	.673	8704	27.8	24D			1821	2.00	2.29			
GRP 3634	25	1806	1829	1810	N27	E13	.593	8704	26.7	23	1			2.21			4 4 4	
HOUS	25	1805	1828	1810	N28	E13	.606	8704	26.7	23	-N	C		1.10	1.40	200	H	
HALE	25	1806	1831	1810	N26	E12	.576	8704	26.7	25	1B	3	1810	3.30	4.00		HF	
MCMA	25	1807	1825	1810	N28	E12	.602	8704	26.7	18	1B	C	1810	1.70	2.10		EH	
HUAN	25	1809E	1833D		N27	E13	.593	8704	26.7	24D	1N	1	1810	1.63	1.77		H	
GRP 3635	25	1825	1832	1831	N17	W61	.906	8695	21.2	27	1-			.10			1 1 1	
HOUS	25	1825	1832	1831	N17	W61	.906	8695	21.2	27	-N	C		.10	.20	200		
GRP 3636	25	1846	1947	1858	N27	E26	.675	8704	27.7	61	1+			3.03			4 3 3	
HOUS	25	1843	1942	1858	N27	E26	.675	8704	27.7	59	-N	C		1.40	1.90	200	EI	
MCMA	25	1843	1948D	1910	N27	E26	.675	8704	27.7	65D	2B	C	1910	4.13	5.50		EFK	
HALE	25	1852	1952U	1858	N27	E25	.667	8704	27.7	60U	1B	2	1858	1.86	2.50		K	
SACP	25	1910E	1917D	1911U	N26	E27	.673	8704	27.8	7D	1N	P		2.63	3.00			
GRP 3637	25	1950	2016	1957	N24	E19	.591	8704	27.3	26	1+			1.15			3 3 2	
MCMA	25	1948	2015	1955	N25	E20	.610	8704	27.3	27	2B	C						
HALE	25	1950	2006D	1957	N24	E19	.591	8704	27.3	16D	-B	2	1957	1.08	1.40			
HOUS	25	1951	2017	2000	N23	E19	.580	8704	27.3	26	-N	C		1.00	1.20	200	I	
GRP 3638	25	2041	2044	2042	S25	E04	.313	8703	26.2	3	1-			.43			1 1 1	
HALE	25	2041	2044	2042	S25	E04	.313	8703	26.2	3	-N	2	2042	.36	.40			
GRP 3639	25	2053	2123	2059	N26	E13	.580	8704	26.8	30	1-			.46			3 2 2	
HOUS	25	2051	2121	2102	N26	E13	.580	8704	26.8	30	-N	C		.30	.40	200	I	
HALE	25	2054	2124	2056	N25	E12	.562	8704	26.8	30	-N	2	2056	.52	.60			
MCMA	25	2105E	2110D		N26	E13	.580	8704	26.9	5D	-N	P	2105	.62	.80		E	

SOLAR FLARES

REVISED

FEBRUARY 1967

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	MGMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.		MAX. WIDTH Ha
GRP 3640	1967 FEB 25	2259	2332	2312	N26	E12	.576	8704	26.9	33	1-		1.12				1 1 1
HALE	25	2259	2332	2312	N26	E12	.576	8704	26.9	33	-N	1 C	2312	.93	1.10		K
GRP 3641	26	0016	0043	0020	N24	E13	.554	8704	27.0	27	1-		.49				1 1 1
HALE	26	0016	0043	0020	N24	E13	.554	8704	27.0	27	-N	1 C	0020	.41	.50		FT
GRP 3642	26	0049	0145	0057	N23	E15	.553	8704	27.2	16	1-		.74				1 1 1
HALE	26	0049	0105	0057	N23	E15	.553	8704	27.2	16	-N	1 C	0057	.62	.70		T
GRP 3643	26	0122	0159	0144	N26	E09	.564	8704	26.7	37	1-		1.24				2 2 2
HALE	26	0122	0202	0142	N27	E09	.577	8704	26.7	40	-B	2 C	0142	1.29	1.60		TH
MANI	26	0142E	0150	0145	N25	E09	.550	8704	26.7	14D	-N	1	0145	1.03	1.23		
GRP 3644	26	0225	0239	0233	N25	E10	.554	8704	26.9	14	1-		.18				1 1 1
HALE	26	0225	0239	0233	N25	E10	.554	8704	26.9	14	-N	2 C	0233	.15	.20		T
GRP 3645	26	0302	0313	0305	N26	E15	.591	8704	27.3	11	1-		.74				1 1 1
HALE	26	0302	0313	0305	N26	E15	.591	8704	27.3	11	-F	2 C	0305	.62	.80		T
GRP 3646	26	0317	0337	0322	N24	E11	.544	8704	27.0	20	1-		.37				1 1 1
HALE	26	0317	0337	0322	N24	E11	.544	8704	27.0	20	-N	2 C	0322	.31	.40		T
GRP 3647	26	0348	0354	0352	N18	W68	.949	8695	21.1	6	1-		.18				1 1 1
HALE	26	0348	0354	0352	N18	W68	.949	8695	21.1	6	-F	2 C	0352	.15			
GRP 3648	26	0354	0407	0402	N25	E10	.554	8704	26.9	13	1-		.62				1 1 1
HALE	26	0354	0407	0402	N25	E10	.554	8704	26.9	13	-F	2 C	0402	.52	.60		T
GRP 3649	26	0424	0432		N21	E10	.497	8704	26.9	8	1-		.23				1 1 1
MANI	26	0424E	0432		N21	E10	.497	8704	26.9	8D	-N	2	0425	.26	.30		
GRP 3650	26	0623	0635		N24	E08	.532	8704	26.9	12	1-		.26				2 2 2
MANI	26	0620E	0630		N23	E05	.508	8704	26.6	10D	-N	1	0622	.41	.48		
IKOM	26	0626	0640		N24	E10	.540	8704	27.0	14	-N		0626	.31	.40		DO
GRP 3651	26	0750	0910		N25	E08	.546	8704	26.9	80	1-		.46				2 2 1
BUCA	26	0730E	0932D		N24	E07	.529	8704	26.8	122D	-F	C	0847	.65	.80		
ISTA	26	0810	0847		N25	E09	.550	8704	27.0	37	-F						
GRP 3652	26	0741	0757		N12	W08	.354	8702	25.7	16	1-		.59				2 2 2
BUCA	26	0741E	0757D		N12	W08	.354	8702	25.7	16D	-F	C	0743	.65	.70		
CAPS	26	0743E	0750D		N12	W08	.354	8702	25.7	7D	-F	3	0744	.70	.80	140	G
GRP 3653	26	0853	0932	0909	N26	E19	.615	8704	27.8	39	1-		1.50				9 7 5
BUCA	26	0844E	0941D		N28	E16	.621	8704	27.6	57D	1B	C	0901	1.64	2.10		
ISTA	26	0852	0930		N25	E21	.617	8704	27.9	38	-B						
CAPS	26	0855	0918D		N28	E19	.638	8704	27.8	23D	1B	2	0859	1.80	2.30	210	
KODA	26	0855	0914	0905	N27	E18	.621	8704	27.7	19	1N	V	0902	1.93	2.30	1.80	D
ONDE	26	0856E	0930		N26	E18	.609	8704	27.7	34D	-N	V	0907		2.40		
WEND	26	0857	0925		N24	E22	.614	8704	28.0	28	1N	V		4.13			
MONT	26	0906E	0950D		N28	E18	.632	8704	27.7	44D	-B	C	0906	1.03			O
CAPF	26	0912E	0931	0912	N24	E19	.592	8704	27.8	19D	1N	P	0917	1.76	2.20		
UCCL	26	0924E	0928D		N26	E20	.622	8704	27.9	4D	1N	P	0924	1.80	3.60		BIJ
GRP 3654	26	1021	1155		N19	E20	.541	8704	27.9	94	1-		1.47				1 1 1
BUCA	26	1021E	1155D		N19	E20	.541	8704	27.9	94D	1N	P	1021	1.97	2.30		U
GRP 3655	26	1034	1150		N27	E03	.563	8704	26.7	76	1-		.46				1 1 1
BUCA	26	1034E	1150D		N27	E03	.563	8704	26.7	76D	-F	C	1043	.65	.80		
GRP 3656	26	1421	1429		N21	E03	.474	8704	26.8	8	1-		1.01				1 1 1
CAPS	26	1421E	1429D		N21	E03	.474	8704	26.8	8D	-F	3	1423	1.00	1.10	145	CH
GRP 3657	26	1519	1543	1526	S20	E34	.579	8706	1.2	24	1-		1.24				2 2 2
MCMA	26	1519	1543	1526	S20	E34	.579	8706	1.2	24	-N	C	1526	1.29	1.60		E
HUAN	26	1520E	1537D		S20	E33	.566	8706	1.1	17D	-F	1 P	1525	.74	.79		E
GRP 3658	26	1822	1917	1822	S20	E32	.553	8706	1.2	55	1-		.25				1 1 1
HALE	26	1822E	1917	1822E	S20	E32	.553	8706	1.2	55D	-F	1 P	1822	.21	.22		
GRP 3659	26	1853	1926	1905	N14	W22	.506	8702	25.1	33	1-		.25				1 1 1
HALE	26	1853	1926	1905	N14	W22	.506	8702	25.1	33	-F	2 C	1905	.21	.22		
GRP 3660	26	1930	1957	1939	N16	E40	.718	8707	1.8	27	1-		.25				1 1 1
HALE	26	1930	1957	1939U	N16	E40	.718	8707	1.8	27	-F	2 P	1939	.21	.30		F
GRP 3661	26	2038	2142	2059	S20	E29	.513	8706	1.0	64	1-		.49				1 1 1
HALE	26	2038	2142D	2059	S20	E29	.513	8706	1.0	64D	-N	1 P	2059	.41	.50		F
GRP 3662	26	2039	2055	2046	S13	E42	.665	8706	2.0	16	1-		.25				1 1 1
HALE	26	2039	2055	2046	S13	E42	.665	8706	2.0	16	-N	1 C	2046	.21	.30		
GRP 3663	26	2306	2332	2318	N15	E45	.764	8707	2.3	26	1-		.25				1 1 1
HALE	26	2306	2332	2318	N15	E45	.764	8707	2.3	26	-F	1 C	2318	.21	.30		
GRP 3664	26	2308	2326	2318	N26	E11	.571	8704	27.8	18	1-		.30				1 1 1
CRON	26	2308	2326	2318	N26	E11	.571	8704	27.8	18	-N	C		.30	.40	200	
	27	9990	9985		NO FLARE PATROL												
GRP 3665	27	0147	0208	0150	N22	E06	.497	8704	27.5	21	1-		.25				1 1 1
HALE	27	0147	0208	0150	N22	E06	.497	8704	27.5	21	-N	1 C	0150	.21	.21		
GRP 3666	27	0251	0320	0255	N23	W00	.503	8704	27.1	29	1-		1.13				3 2 2
CHON	27	0250	0317	0255	N22	W01	.488	8704	27.0	27	-N	C		.90	1.00	200	E
HALE	27	0252	0325	0254	N23	W02	.504	8704	27.0	33	-N	1 C	0254	1.13	1.30		F
MANI	27	0302E	0318		N23	E02	.504	8704	27.3	16D	-F	1	0303	.72	.85		

SOLAR FLARES

REVISED

FEBRUARY 1967

OBSERVATORY	OBSERVED UT			MAX. PHASE	LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS	
	DATE	START	END		APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT.
	1967 FEB																
GRP 3717	28	1841	1915	1850	N23	W23	.611	8704	27.1	34	1-			.50			1 1 1
LOCK	28	1841	1915	1850	N23	W23	.611	8704	27.1	34	-F	C	1850	.50	.70		10
GRP 3718	28	1927	1938	1930	N30	W15	.641	8704	27.7	11	1-			.40			1 1 1
LOCK	28	1927	1938	1930	N30	W15	.641	8704	27.7	11	-F	C	1930	.40	.50		10
GRP 3719	28	1937	1953	1943	N16	E10	.426	8707	1.6	16	1-			.10			1 1 1
LOCK	28	1937	1953	1943	N16	E10	.426	8707	1.6	16	-N	C	1943	.10	.10		20 H
GRP 3720	28	2020	2123	2030	N17	E13	.460	8707	1.8	63	1			3.74			3 2 2
LOCK	28	2020	2105	2030	N17	E13	.460	8707	1.8	45	-N	C	2030	1.30	1.40		20
SACP	28	2020	2138	2057	N16	E13	.447	8707	1.8	78	2N	C		6.74	6.87		
HALE	28	2102E	2125	2104	N17	E12	.453	8707	1.8	23D	-B	1 P	2104	1.13	1.30		F
GRP 3721	28	2039	2055	2043	N25	W12	.563	8704	28.0	16	1-			.71			1 1 1
LOCK	28	2039	2055	2043	N25	W12	.563	8704	28.0	16	-N	C	2043	.70	.80		20
GRP 3722	28	2236	2335	2328	N16	E12	.439	8707	1.9	59	1-			3.10			3 3 3
LOCK	28	2236	2257	2238	N18	E13	.474	8707	1.9	21	-B	C	2238	.50	.60		30
SACP	28	2252	2354	2332	N16	E11	.433	8707	1.8	62	1N	C		4.71	4.77		
HALE	28	2319	2353	2323	N15	E11	.418	8707	1.8	34	-N	1 C	2323	1.24	1.40		FHV
GRP 3723	28	2300	2334	2307	N16	E77	.984	8714	6.7	34	1-			.25			2 2 2
SACP	28	2257	2328	2310	N15	E77	.983	8714	6.7	31	-N	C		.27			
HALE	28	2303	2340	2304	N16	E76	.981	8714	6.7	37	-B	1 C	2304	.21			
GRP 3724	28	2322	0000	2332	N17	W11	.447	8704	28.1	38	1-			1.05			1 1 1
LOCK	28	2322	0000U	2332	N17	W11	.447	8704	28.1	38U	-N	C	2332	1.00	1.10		20
GRP 3725	28	2349	2357	2352	S16	E11	.240	8706	1.8	8	1-			.43			1 1 1
HALE	28	2349	2357D	2352	S16	E11	.240	8706	1.8	8D	-F	1 P	2352	.36	.40		
GRP 3726	28	2351	0005		N16	E07	.410	8707	1.5	14	1-			.14			1 1 1
IKOM	28	2351	0005D		N16	E07	.410	8707	1.5	14D	-N	V	2355	.31	.30		DO