

SOLAR FLARES

Original Reports and Statistical Summaries

SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 8656	1967 SEPT 01	0044	0054	0047	N22	W82	.985	A942	25.9	10	-N							2 2 2	
CRON	01	0044	0053	0046	N25	W90	.999	A942	25.3	9	-N	C		.40				I	
LOCK	01	0045E	0054	0048	N19	W74	.954	A942	20.5	9D	-N	C	0048	.20	.80		200	10	
GRP 8657	01	0139	0203	0143	N22	W83	.987	A942	25.8	24	1B			2.00				2 2 1	
CRON	01	0139	0150	0143	N25	W85	.991	A942	25.7	11	2N	C		2.00	6.10		200	H	
HALE	01	0145E	0205		N23	W78	.971	A942	26.2	20D	-B	1	0145	.31					
CRON	01	0150	0200	0154	N15	W90	.999	A942	25.3	10	-N	C		.20	.70		200		
GRP 8658	01	0146	0157	0150	S21	W85	.999	A949	25.7	11	-N			.36				2 2 2	
MANI	01	0141	0156	0145	S20	W79	.991	A949	26.1	15	-N	2	0145	.52	1.33				
CRON	01	0150	0158	0155	S21	W90	1.001	A949	25.3	8	-N	C		.20	.80		200		
GRP 8659	01	0229	0250	0231	N15	W86	.995	A942	25.7	21	1N			.85				3 3 3	
MITK	01	0228	0253	0231	N13	W89	.999	A942	25.4	25	1N	C	0231	1.13			200	GH	
CRON	01	0228	0249	0232	N16	W90	.999	A942	25.4	21	1N	C		.90	3.00				
HALE	01	0230	0248	0231	N13	W80	.981	A942	26.1	18	-B	2	0231	.52			200	I	
CRON	01	0235	0259	0243	N25	W90	.999	A942	25.4	24	-N	C		.20	.80				
HALE	01	0332	0350	0334	N23	W78	.971	A942	26.3	18	-N	2	0334	.41					
GRP 8661	01	0358	0407	0402	N18	W74	.954	A942	26.6	9	1N			1.18				2 2 2	
HALE	01	0358	0411	0402	N22	W68	.920	A942	27.1	13	-N	1	0402	.52					
TACH	01	0401E	0403	0401	N14	W80	.980	A942	26.2	2D	1N	V	0401	1.83		3.30	63	DG	
GRP 8662	01	0445	0507	0451	N24	W82	.984	A942	26.0	22	1N			1.70				3 3 2	
CRON	01	0445	0508	0451	N25	W85	.991	A942	25.8	23	-N	C		.40	1.20		200		
MANI	01	0450E	0509	0451	N23	W78	.971	A942	26.4	19D	-N	2	0451	.83	1.95			F	
TACH	01	0451E	0503	0451	N24	W83	.987	A942	26.0	12D	-F	V	0451	2.56		3.20	75	D	
CRON	01	0515	0539	0520	N14	W71	.939	A942	26.9	24	-N	C		.60	1.40		200	H	
CRON	01	0515	0539	0528	N14	W71	.939	A942	26.9	24	-N	C							
CATA	01	0620	0650	0625	N27	W32	.591	A948	29.9	30	-B		0625	.40	.51		275		
ISTA	01	0635E	0715		S20	E68	.952	A962	6.4	40D	-F								
CATA	01	0640	0655	0645	S17	W90	1.001	A949	25.5	15	-B		0645	.07			257		
GRP 8667	01	0648	0705	0655	N23	E39	.652	A957	4.2	17	-N			.37				2 2 1	
ISTA	01	0645	0700		N21	E40	.656	A957	4.3	15	-B								
CATA	01	0650	0710	0655	N24	E37	.632	A957	4.1	20	-F		0655	.37	.49		251		
GRP 8668	01	0720	0730		N21	E40	.656	A957	4.3	10	-F							1 1 0	
ISTA	01	0720	0730		N21	E40	.656	A957	4.3	10	-F								
ISTA	01	0720	0730		N22	E36	.612	A957	4.0	10	-F								
ISTA	01	0807	0814		N15	E70	.933	A961	6.6	7	-F								
GRP 8670	01	0809	0822	0810	N22	W87	.995	A942	25.8	13	1N			.67				4 4 4	
MONT	01	0802	0830		N24	W90	.999	A942	25.6	28	-N	C	0805	.26					
CRON	01	0807	0812	0810	N21	W90	.999	A942	25.6	5	1N	C		.70	2.40		200	H	
MONT	01	0809	0820		N21	W90	.999	A942	25.6	11	-N	C	0811	.26					
CAPS	01	0811	0827		N21	W83	.987	A942	26.1	16	1N	3	0814	1.00			176	H	
ARCE	01	0812E	0830		N23	W80	.978	A942	26.3	18D	1N	C	0812	.72	2.30			DH	
ARCE	01	0812E	0900D		N26	W90	.998	A942	25.6	48D	-N	C	0821	.19	1.10			E	
ARCE	01	0812E	0830		S20	W90	1.001	A949	25.6	18D	-N	C	0812	.25	1.40				
GRP 8672	01	0911	0926	0915	N22	E65	.900	A961	6.3	15	1N			1.15				2 2 2	
CANA	01	0910	0926	0912	N22	E67	.914	A961	6.4	16	-N	C		.40	.90		200	E	
CRON	01	0911	0925D	0918	N22	E63	.886	A961	6.1	14D	1N	C		1.90	4.00		200	E	
GRP 8673	01	0911	0955	0928	N24	E54	.812	A961	5.4	44	2N			4.31				3 2 2	
KHAR	01	0911	1015	0928	N23	E61	.871	A961	6.0	64	3F	C	0928	6.81	15.60			E6	
CAPS	01	0919E	0934		N22	E64	.893	A961	6.2	15D	1N	3	0925	1.80			169	E	
CANA	01	1002	1034	1005	N26	E36	.630	A961	4.1	32	-N	C		.30	.40		200	E	
ARCE	01	0940E	1000D	0940	N26	W90	.998	A942	25.7	20D	-N	C	0940	.32	1.80				
CANA	01	1108	1120	1109	N15	E64	.892	A961	6.3	12	-N	C		.40	.80		200		
GRP 8676	01	1141	1158	1144	N26	E35	.619	A957	4.1	17	-N			.59				3 3 3	
CANA	01	1140	1154	1143	N26	E36	.630	A957	4.2	14	-N	C		.50	.60		200	EI	
MCMA	01	1142	1159	1144	N26	E35	.619	A957	4.1	17	-N	C	1144	.62	.80			EH	
ATHN	01	1145E	1200	1145	N25	E35	.614	A957	4.1	15D	-N	2	1145	.66	1.20	1.80			
HUAN	01	1211	1218	1216	N26	E39	.664	A957	4.4	7	-F	2	1216	.21	.24			D	

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OBSERV- ATORY	OBSERVED UT				LOCATION					DURA- TION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
GRP 8678	01	1306	1322	1310	N18	E12	.274	A956	2.4	16	-N							2 2 2
CANA	01	1306	1322	1310	N16	E14	.280	A956	2.6	16	-N	C		.53				E
HUAN	01	1318E	1322D		N20	E09	.267	A956	2.2	40	-F	2 P	1319	.80	.80		200	DL
GRP 8679	01	1307	1330	1314	N27	E23	.492	A957	3.3	23	-N			.77				2 2 2
MONT	01	1307	1330		N29	E11	.409	A957	2.4	23	-F	C	1310	1.03				
ATHN	01	1314E	1314D	1314	N25	E35	.614	A957	4.2		-N	2	1314	.50	1.00	1.90		
ATHN	01	1315E	1320D	1320	S22	E72	.971	A962	7.0	50	-N	2	1320	.66		1.80		
CANA	01	1621	1635	1625	S28	E68	.963	A962	6.8	14	-F	C		.10	.30		100	
GRP 8682	01	1836	1841	1838	S21	E65	.938	A962	6.7	5	-F			.26				2 2 2
HOUS	01	1836	1841	1838	S21	E62	.921	A962	6.4	5	-F	C		.20	.40		100	
HUAN	01	1837E	1841		S21	E67	.948	A962	6.8	40	-F	1 C	1838	.31				D
GRP 8683	01	2018	2023	2019	N15	E57	.832	A961	6.1	5	-N			.26				2 2 2
HOUS	01	2017	2022	2018	N16	E56	.823	A961	6.0	5	-F	C		.20	.30		100	
MCMA	01	2018	2023	2019	N14	E58	.841	A961	6.2	5	-N	C	2019	.31	.60			D
GRP 8684	01	2020	2029	2022	S22	E64	.934	A962	6.6	9	-F			.23				2 2 2
MCMA	01	2018	2029	2020	S22	E65	.940	A962	6.7	11	-F	C	2020	.26	.70			DH
HOUS	01	2022	2028	2024	S21	E62	.921	A962	6.5	6	-F	C		.20	.40		100	
MCMA	01	2110	2128	2113	N14	E57	.832	A961	6.2	18	-N	C	2113	.72	1.40			E
HALE	01	2300	2318	2302	N23	E53	.801	A961	5.9	18	-B	1 C	2302	.57	.90			
HALE	01	2329	2341	2334	N25	E23	.474	A957	3.7	12	-F	1 C	2334	.31	.40			
GRP 8688	02	0056	0116	0058	N25	W97	.999	A942	26.3	20	-N			.30				2 2 1
IKOM	02	0055	0116D		N24	W97	.999	A942	26.3	210	-F	V						
CRON	02	0056	0115	0058	N26	W97	.998	A942	26.3	19	-N	C		.30	1.20		200	
HALE	02	0202	0225	0208	N27	E33	.602	A957	4.6	23	-F	1 C	0208	.46	.60			
CRON	02	0245	0301D	0248	N29	W97	.998	A942	26.4	160	-N	C		.40	1.60		200	
HALE	02	0340	0353	0346	N23	E51	.782	A961	6.0	13	-F	1 C	0346	.26	.40			
GRP 8692	02	0725	0751		N22	E38	.636	A957	5.2	26	-N			1.18				3 3 2
BUCA	02	0725E	0800D		N26	E29	.550	A957	4.5	35D	-F	C	0737	1.66	2.00			
CASTA	02	0735E	0742		N27	E37	.569	A957	4.6	7D	-N	3	0738	.70	.80		170	D
IPSTA	02	0740E	0750D		N14	E55	.813	A957	6.4	10D	-N							
GRP 8693	02	0947	1014	0957	N23	E47	.663	A957	5.4	27	1N			1.35				2 2 1
KHAR	02	0942E	1130D	0953	N24	E28	.525	A957	4.5	108D	1F	C	0953	1.35	1.60			D
CANA	02	0951	1014	1000	N22	E52	.790	A957	6.3	23	-N	C		.10	.20		200	
GRP 8694	02	1046	1058	1049	N26	E29	.550	A957	4.6	12	-N			.97				3 3 3
CANA	02	1045	1100	1050	N25	E28	.532	A957	4.5	15	-N	C		.50	.60		200	E
MONT	02	1046	1055	1048	N27	E28	.547	A957	4.5	9	-N	C	1048	.52				
CAPS	02	1046E	1058		N27	E27	.536	A957	4.5	12D	1N	3	1053	1.70	2.00		189	
CANA	02	1046	1052	1048	N25	E38	.648	A957	5.3	6	-F	C		.20	.30		100	
GRP 8695	02	1109	1141	1115	N23	E32	.567	A957	4.9	32	-N			.16				2 2 2
CANA	02	1108	1120	1114	N26	E26	.516	A957	4.4	12	-F	C		.10	.10		100	
MONT	02	1110	1130	1115	N25	E28	.532	A957	4.6	20	-N	C	1115	.21				
CANA	02	1130	1152	1133	N15	E46	.716	A957	5.9	22	-N	C		.10	.10		200	
MONT	02	1205	1220	1210	N15	E47	.728	A961	6.0	15	-N	C	1210	.52				
CANA	02	1235	1245	1237	N12	E53	.792	A961	6.5	10	-N	C		.10	.20		100	
GRP 8698	02	1239	1300	1244	N21	W97	.999	A942	26.8	21	1N							2 2 0
MONT	02	1237	1305	1242	N21	W97	.999	A942	26.8	28	1N	C						H
MCMA	02	1241	1255	1245	N20	W97	.999	A942	26.8	14	-N	C						
GRP 8699	02	1258	1308	1301	N24	E27	.430	A957	4.0	10	-B			.89				4 4 4
MCMA	02	1257	1308	1301	N25	E27	.440	A957	4.0	11	-B	C	1301	1.03	1.10			E
CANA	02	1258	1304	1300	N25	E27	.440	A957	4.0	6	-N	C		.50	.60		200	
MONT	02	1259	1310	1301	N26	E19	.440	A957	4.0	11	-B	C	1301	1.03				
CAPS	02	1300E	1308		N18	E27	.379	A957	4.0	8D	-N	3	1302	1.00	1.20		170	
MONT	02	1425	1435	1430	N15	E46	.716	A961	6.1	10	-F	C	1430	1.03				
GRP 8701	02	1532	1542	1536	N22	E51	.780	A961	6.5	10	-F			.52				2 2 1
CANA	02	1530	1541	1535	N22	E51	.780	A961	6.5	11	-F	C		.10	.20		100	
MCMA	02	1534	1543	1536	N22	E57	.770	A961	6.4	9	-F	C	1536	.52	.80			E

SOLAR FLARES

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 SEPT																		
HUAN	02	1549	1557	1551	N15	E46	.716	A961	6.1	8	-F	2	C	1551	.21	.25			D
HALE	02	1710	1750	1725	N38	W17	.531	A956	2.0	40	-N	1	C	1725	.67	.80			E
CANA	02	1730	1734D	1732	N14	E43	.679	A961	6.0	40	-F		C		.10	.10		100	
HALE	02	2011	2119	2023	S28	W15	.617	A959	1.7	68	-F	1	C	2023	.41	.50			
GRP 8706	02	2030	2105	2040	N26	E25	.505	A957	4.7	35	1N				2.32				3 3 3
HALE	02	2025	2105	2040	N27	E22	.481	A957	4.5	40	1N	1	C	2040	2.27	2.60			
MCMA	02	2030	2042D	2040	N27	E25	.514	A957	4.7	12D	1B		C	2040	2.06	2.40			F
MCMA	02	2030	2042	2040	N27	E25	.514	A957	4.7	12	1B		C	2040	2.06	2.40			F
LOCK	02	2035	2105	2040	N26	E22	.472	A957	4.5	30	1N		C	2040	2.10	2.30		20	H
HALE	02	2040	2043	2041	N26	E33	.596	A957	5.3	3	-F	1	C	2041	.52	.60			
	02	2135	2210	NO FLARE PATROL															
	02	2215	2220	NO FLARE PATROL															
	02	2345	2355	NO FLARE PATROL															
GRP 8707	02	2355	0021	2357	N17	W12	.263	A956	2.1	26	-N				1.19				2 2 2
MITK	02	2355E	0016	2357	N17	W12	.263	A956	2.1	21D	-F		C	2357	1.65	1.70			E
HALE	03	0003E	0025		N17	W12	.263	A956	2.1	22D	-N	2	P	0003	.72	.72			F
GRP 8708	03	0037	0047	0038	N28	E28	.471	A957	4.5	10	-N				.83				2 2 2
MITK	03	0036	0044		N28	E19	.461	A957	4.4	8	-F		P	0037	1.24	1.40			E
HALE	03	0037	0050	0038	N28	E28	.471	A957	4.5	13	-N	1	C	0038	.41	.50			
HALE	03	0101	0105	0102	N22	E36	.612	A961	5.7	4	-N	1	C	0102	.21	.30			
GRP 8710	03	0135	0145	0136	N15	E48	.642	A961	6.1	10	-N				.44				2 2 2
MITK	03	0134	0144		N15	E48	.642	A961	6.1	10	-N		C	0135	.62	.80			
HALE	03	0135	0145	0136	N15	E48	.642	A961	6.1	10	-N	1	C	0136	.26	.30			
HALE	03	0152	0203	0152	N22	E37	.624	A961	5.9	11	-F	1	C	0152	.15	.20			
HALE	03	0231	0239	0231	N26	E14	.391	A957	4.2	8	-F	1	C	0231	.21	.21			
GRP 8713	03	0255	0316	0303	S22	E18	.512	A960	3.9	21	-N				.63				2 2 2
HALE	03	0255	0316	0303	S21	E17	.503	A960	3.9	21	-N	1	C	0303	.36	.40			
CRON	03	0303E	0307D	0303U	S23	E09	.522	A960	3.8	4D	-N		C		.90	1.10		200	
HALE	03	0348	0408	0352	N22	E34	.587	A961	5.7	20	-F	1	C	0352	.15	.20			
HALE	03	0355	0424	0402	N15	E38	.616	A961	6.0	29	-N	1	C	0402	.41	.50			EF
GRP 8716	03	0608	0628	0609	N26	E17	.367	A957	4.1	20	1F				2.21				2 2 1
CRON	03	0608	0623	0609	N26	E18	.359	A957	4.0	15	-F		C		.20	.20		100	
BUCA	03	0610E	0633D		N26	E17	.367	A957	4.1	23D	1F		C	0613	2.21	2.40			
ISTA	03	0735	0745		N24	E09	.323	A957	4.0	10	-F								
GRP 8718	03	0812	0840		S28	E07	.577	A958	3.3	28	-N				.77				2 2 1
MONT	03	0809E	0850		S28	E07	.577	A958	3.4	41D	-F		C	0815	.77				
ISTA	03	0815	0830		S27	W07	.563	A958	3.3	15	-N								
GRP 8719	03	0809	0832	0810	N11	E22	.375	A957	5.0	23	-N				1.20				2 2 1
CRON	03	0809	0823	0810	S02	E32	.548	A957	5.7	14	-N		C		1.20	1.40		200	E
ISTA	03	0820	0840		N24	E17	.339	A957	4.2	20	-N								
GRP 8720	03	0902	0914	0905	S21	E07	.486	A960	3.9	12	-N				.63				4 4 4
CANA	03	0901	0909	0903	S21	E07	.486	A960	3.9	8	-N		C		.50	.60		200	
MONT	03	0903	0915	0905	S21	E06	.482	A960	3.8	12	-N		C	0905	.52				D
CRON	03	0903	0915	0906	S21	E05	.479	A960	3.8	12	-N		C		.80	.90		200	
CAPS	03	0910E	0917		S20	E18	.484	A960	4.1	7D	-N	2	C	0911	.70	.70		170	D
GRP 8721	03	1017	1033	1019	N15	E35	.576	A961	6.1	16	-N				1.92				5 5 5
WEND	03	1015	1040		N14	E35	.574	A961	6.1	25	1F				3.09				
CANA	03	1015	1025	1018	N14	E36	.588	A961	6.1	10	-N		C		1.00	1.20		200	E
CAPS	03	1018	1044		N16	E32	.537	A961	5.8	26	-N		C	1025	1.00	1.20		176	EJ
MONT	03	1018	1025	1020	N15	E34	.562	A961	6.0	7	-N		C	1020	.77				
KHAR	03	1019	1030		N14	E36	.588	A961	6.1	11	1F		P	1025	3.74	4.70	1.80		DH
MONT	03	1027	1045	1028	N13	E36	.586	A961	6.1	18	-F		C	1028	.31				

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 SEPT																		
GRP 8722	03	1032	1101	1037	N25	E08	.331	R957	4.2	29	1N			2.03					7 7 6
MONT	03	1029	1100	1037	N23	E06	.289	R957	3.9	31	-B	C	1037	.77					
ATHN	03	1030E	1102	1040	N28	E10	.388	R957	4.2	32D	-B	2	1040	1.65	1.90	2.00	200	E	
CANA	03	1031	1058	1034	N25	E08	.331	R957	4.0	27	-N	C		.90	1.00				
ONDR	03	1031E	1058		N26	E07	.341	R957	4.0	27D	1N	V	1036			2.50			
KHAR	03	1031	1100		N25	E08	.331	R957	4.0	29	1F	P	1039	2.53	2.70	2.60		D	
CAPS	03	1035	1103		N24	E08	.316	R957	4.0	28	1B	3	1040	2.20	2.30		228	FIJ	
WEND	03	1036	1103		N25	E10	.345	R957	4.2	27	1N	P		4.13					
GRP 8723	03	1055	1101	1055	S20	E07	.471	R960	4.0	6	-N			.35				3 3 2	
CANA	03	1053	1059	1055	S21	E06	.482	R960	3.9	6	-N	C		.20	.20		200	H	
CAPS	03	1055	1103		S20	E08	.475	R960	4.1	8	-N	3	1058	.50	.60		164	DH	
KHAR	03	1056	1101		S20	E07	.471	R960	4.0	5	-N	V				2.10		DH	
ATHN	03	1056E	1108	1056	S27	W02	.563	R958	3.3	12D	-N	2	1056	.66	.80	1.80			
SACP	03	1315	1329	1319	N25	E04	.312	R957	3.9	14	-F	C		.80	.79				
HUAN	03	1318	1328		S21	W6A	.953	R955	29.5	10	-F	1	1323	.25				DT	
SACP	03	1416	1421	1418	N29	E40	.776	R963	7.3	5	-F	C		.60	.76				
GRP 8728	03	1416	1433	1423	S16	E73	.970	R964	9.1	17	-N			.32				5 5 4	
CANA	03	1415	1432	1424	S15	E76	.980	R964	9.3	17	-N	C		.30	.90		200	J	
SACP	03	1415	1435	1418	S13	E72	.963	R964	9.0	20	-N	C		.51	1.06				
HUAN	03	1416	1432		S15	E78	.986	R964	9.4	16	-F	1	1426	.21				D	
MCMA	03	1417	1422	1419	S15	E75	.977	R964	9.2	5	-F	C	1419	.26	1.30			CDH	
ONDR	03	1421E	1434		S21	E65	.938	R964	8.5	13D	1B	V	1426			3.90		D	
MCMA	03	1425	1430	1426	S15	E75	.977	R964	9.2	5	-B	C	1426	.26	1.30			D	
GRP 8729	03	1437	1452		S21	W69	.958	R955	29.4	15	1N			2.00				2 2 1	
HUAN	03	1437	1452		S20	W70	.961	R955	29.4	15	-N	1	1443	.25				D	
CAPS	03	1445E	1451		S21	W67	.948	R955	29.6	6D	1N	2	1446	2.00			170	BF	
GRP 8730	03	1516	1529	1518	N15	E32	.534	R961	6.0	13	-N			2.87				4 4 2	
CANA	03	1514	1526	1516U	N14	E32	.532	R961	6.0	12	-F	C		.40	.50		100		
MCMA	03	1516	1527	1519	N14	E32	.532	R961	6.0	11	-N	C	1519	.62	.80			E	
SACP	03	1516	1532	1519	N15	E31	.520	R961	6.0	16	-N	C		1.61	1.67				
WEND	03	1516E	1531D		N15	E33	.548	R961	6.1	15D	1N	V		4.13					
GRP 8731	03	1541	1550	1543	N15	E32	.534	R961	6.1	9	-F			.41				2 2 2	
HUAN	03	1540	1548	1542	N15	E32	.534	R961	6.1	8	-F	2	1542	.41	.43			E	
MCMA	03	1541	1552	1544	N14	E32	.532	R961	6.1	11	-F	C	1544	.41	.50			E	
GRP 8732	03	1548	1604	1551	N31	E10	.431	R957	4.4	16	-N			.48				2 2 2	
SACP	03	1548	1601	1552	N31	E09	.426	R957	4.3	13	-N	C		.70	.71			D	
HUAN	03	1548	1606	1550	N30	E10	.417	R957	4.4	18	-F	2	1550	.25	.25			D	
HUAN	03	1617	1644		S22	W72	.971	R955	29.3	27	-F	1	1622	.45					
SACP	03	1643	1700	1647	N24	E35	.609	R961	6.3	17	-F	C		1.09	1.19				
GRP 8735	03	1824	1843	1828	S28	W07	.586	R958	3.2	19	-N			.80				4 4 4	
LOCK	03	1820	1832D	1827	S27	W07	.572	R958	3.2	12D	-F	C	1827	.90	1.10		10		
MCMA	03	1825	1839	1828	S29	W07	.600	R958	3.2	14	-N	C	1828	.83	1.00			E	
HUAN	03	1826	1840	1829	S28	W06	.583	R958	3.3	14	-F	2	1829	.75	.80			E	
HALE	03	1826	1849	1829	S28	W07	.586	R958	3.2	23	-N	2	1829	.72	.90			F	
GRP 8736	03	1842	1915	1850	S21	W77	.987	R955	29.0	33	-N			.52				2 2 1	
HUAN	03	1841	1912	1850	S21	W75	.981	R955	29.2	31	-N	1	1850	.52				E	
MCMA	03	1842	1917	1850	S20	W78	.989	R955	28.9	35	-N	C	1850					D	
HALE	03	1942	1947	1946	N23	W18	.397	R956	2.5	5	-F	2	1946	.21	.21				
HUAN	03	2149	2216		S22	W76	.984	R955	29.2	27	-F	1	2202	.80				E	
LOCK	03	2230	2300	2235	S20	W82	.996	R955	28.8	30	-N	C	2235	.50	1.70		20	H	
IKOM	03	2310	2312D		S19	W72	.969	R955	29.6	2D	-F	V						D	
GRP 8741	04	0159	0240	0204	N31	E04	.408	R957	4.4	41	-F			1.12				2 2 2	
CRON	04	0158	0212D	0200	N31	E04	.408	R957	4.4	14D	-F	C		1.10	1.20		100		
HALE	04	0159	0240	0207	N31	E03	.406	R957	4.3	41	-F	1	0207	1.13	1.20			IJ	
HALE	04	0213	0230	0214	S21	W02	.474	R960	3.9	17	-N	1	0214	.52	.60				
CRON	04	0327	0350	0337	S20	W90	1.001	R955	28.4	23	-N	C		.20	.80		200		
CRON	04	0525	0538	0528	S20	W90	1.001	R955	28.5	13	-N	C		.20	.80		200		

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1967 SEPT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.												
MCA	04	1455	1512	1502	S19	E9n	1.001	A970	11.4	17	-B	C	1502					
LOCK	04	2020	2030	2025	N03	E9n	1.000	A969	11.6	10	-F	C	2025	.30	1.20		10	
CRON	05	0054	0105	0057	S20	W9n	1.001	A955	29.3	11	-F	C		.30	1.20		100	I
HALE	05	0209	0232	0212	S29	W57	.911	A952	31.8	23	-N	1 C	0212	.41				
GRP 8749	05	0209	0220	0216	S21	E89	1.000	A970	11.8	11	-F			.36				2 2 2
HALE	05	0205	0220	0216	S20	E87	1.000	A970	11.6	15	-F	1 P	0216	.31				
CRON	05	0212	0220	0215	S22	E90	1.001	A970	11.8	8	-F	C		.40	1.60		100	I
GRP 8750	05	0216	0238	0220	N03	E9n	1.000	A969	11.8	22	-N			.13				2 2 2
CRON	05	0214	0226	0216	N02	E90	1.000	A969	11.8	12	-N	C		.10	.40		200	
HALE	05	0217	0249	0224	N04	E90	1.000	A969	11.8	32	-F	1 C	0224	.15				
HALE	05	0220	0245	0222	N21	E0R	.272	A961	5.7	25	-N	1 C	0222	.52	.52			F
CRON	05	0237	0246	0240	S20	W9n	1.001	A955	29.4	9	-F	C		.30	1.20		100	I
GRP 8753	05	0248	0307	0249	S24	W5R	.903	A952	31.8	19	-N			.48				2 2 2
KODA	05	0247E	0256D	0247	S20	W6n	.906	A952	31.6	9D	-F	S	0247	.64	1.60	2.00		DH
HALE	05	0249	0307	0250	S28	W56	.903	A952	31.9	18	-N	1 C	0250	.31	.70			
HALE	05	0252	0332	0254	N22	E09	.294	A961	5.8	40	-N	1 C	0254	.21	.21			
GRP 8755	05	0305	0356	0322	S22	E89	1.000	A970	11.8	51	-F			.21				2 1 1
HALE	05	0305	0353	0322	S21	E87	1.000	A970	11.7	48	-F	1 C	0322	.21				
CRON	05	0351	0358	0353	S22	E9n	1.001	A970	11.9	7	-F	C		.40	1.60		100	I
CRON	05	0324	0349	0326	S21	W9n	1.001	A955	29.4	25	-N	C		.30	1.20		200	IK
CRON	05	0324	0349	0338	S21	W9n	1.001	A955	29.4	25	-N	C						
CRON	05	0421	0433	0424	S22	E9n	1.001	A970	11.9	12	-F	C		.40	1.60		100	I
CRON	05	0426	0433	0430	N02	E9n	1.000	A969	11.9	7	-N	C		.10	.40		200	
CRON	05	0552	0600	0554	N54	W89	.994	A948	29.6	8	-F	C		.30	1.00		100	
BUCA	05	0630E	0700D		S20	W17	.529	A960	4.0	30D	-F	C	0633	.55	.60			
ATHN	05	0715E	0728	0716	S20	W1n	.484	A960	4.6	13D	-B	2	0716	1.65	1.80	2.00		
BUCA	05	0716E	0725D		N26	W09	.352	A957	4.6	9D	-F	C	0718	1.10	1.20			
ABST	05	0726	0803	0745	S20	E9n	1.001	A970	12.1	37	1F	P	0745	.90				DG
BUCA	05	0730E	0750		S31	W2R	.728	A958	3.2	20D	-F	C	0740	.77	1.10			
GRP 8765	05	0910	0917	0913	N07	E87	.998	A969	11.9	7	-N			.20				2 2 2
CANA	05	0908	0915	0911	N06	E85	.995	A969	11.8	7	-N	C		.20	.70		200	H
CRON	05	0911	0919	0915	N07	E89	.999	A969	12.1	8	-N	C		.20	.70		200	H
KIEV	05	1207	1217	1211	S23	E1n	.527	A962	6.3	10	1N	C	1211	1.55	2.00		65	DI
SACP	05	1458	1514	1504	N07	E76	.967	A969	11.3	16	-B	C		.61	1.38			
GRP 8768	05	1514	1520	1517	N26	W15	.400	A957	4.5	6	-N			.36				3 3 2
SANM	05	1514	1519	1517	N25	W15	.388	A957	4.5	5	-F	C	1517	.31	.35			
ONDR	05	1514E	1520		N26	W16	.409	A957	4.4	6D	-F	V	1515			1.50		CDH
MONT	05	1515	1520	1516	N26	W14	.391	A957	4.6	5	-B	C	1516	.41				
MCA	05	1520E	1538	1525	S21	E8n	.993	A970	11.6	18D	-N	C	1525					D
GRP 8770	05	1521	1545	1526	N25	W21	.451	A957	4.1	24	-N			.72				5 5 4
SACP	05	1512	1520	1516	N26	W14	.391	A957	4.6	8	-N	C		.60	.60			
MCA	05	1514	1519	1516	N26	W14	.391	A957	4.6	5	-B	C	1516	.26	.30			D
MONT	05	1518	1550	1530	N25	W25	.496	A957	3.8	32	-N	C	1530	.83				
SACP	05	1518	1544	1524	N25	W21	.451	A957	4.1	26	-B	C		.80	.82			
MCA	05	1521	1544	1525	N25	W23	.473	A957	3.9	23	-N	C	1525	.83	.90			E
SANM	05	1522	1540	1525	N24	W23	.465	A957	3.9	18	-F	C	1525	.98	1.10			E
ONDR	05	1524	1539D		N24	W22	.453	A957	4.0	15D	-N	V	1529			1.90		E
GRP 8771	05	1554	1623	1601	N30	W17	.466	A957	4.4	29	-N			.78				3 3 3
SACP	05	1550	1618	1601	N31	W17	.479	A957	4.4	28	-N	C		.80	.82			
MCA	05	1555	1630D	1601	N30	W16	.458	A957	4.5	35D	-F	C	1601	.72	.80			E
MONT	05	1556	1620D	1600	N28	W17	.442	A957	4.4	24D	-N	C	1600	.83				

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT			LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.	CENTRAL	MCMATH				CMP	TIME	MEAS.	CORR.	MAX.		MAX.	
					LAT.													MER. DIST.	DISTANCE	PLAGE REGION	UT	AREA	AREA	WIDTH	INT.
1967 SEPT										Sq. Deg.	Sq. Deg.	H α	%					
GRP 8772	05	1609	1621	1612	N05	E8 $\bar{2}$	.989	8969	11.8	12	-N							3 3 1
MONT	05	1608	1620	1612	N04	E8 $\bar{8}$	.999	8969	12.3	12	-N							
SACP	05	1608	1626	1613	N06	E7 $\bar{9}$	.980	8969	11.6	18	-N							
MCMA	05	1611	1616	1612	N04	E8 $\bar{0}$	.984	8969	11.7	5	-F							
MCMA	05	1823	1849	1826	S21	E8 $\bar{0}$	.993	8970	11.8	26	-B							
GRP 8774	05	2008	2029	2015	S19	E7 $\bar{9}$	.990	8970	11.8	21	1N							2 2 1
LOCK	05	2008	2029	2015	S17	E7 $\bar{8}$	.987	8970	11.7	21	1N							10 H
MCMA	05	2010E	2025D	2014	S21	E8 $\bar{0}$	.993	8970	11.8	15D	-N							
MCMA	05	2050	2110	2053	S29	W7 $\bar{5}$	.987	8952	31.2	20	-F							
LOCK	05	2205	2215	2209	S18	E0 $\bar{5}$	.434	8962	6.3	10	-F							10 HL
SACP	05	2313E	2335D	2320	N16	E4 $\bar{7}$	.656	8968	9.0	22D	-F							
MANI	06	0114E	0114D		N22	E2 $\bar{3}$	.448	8963	7.8		-N	1						
CRON	06	0312	0324	0315	S26	E8 $\bar{9}$	1.001	8970	12.8	12	-N							200
CRON	06	0403	0423	0412	S26	W8 $\bar{9}$	1.001	8955	30.5	20	-F							100
CRON	06	0442	0447	0444	S23	E1 $\bar{7}$	.531	8962	7.0	5	-F							100
GRP 8782	06	0638	0715	0649	S21	E6 $\bar{4}$	.933	8970	11.1	37	1N							6 6 6
BUCA	06	0635E	0800D		S21	E6 $\bar{3}$	.927	8970	11.0	85D	2N							
CRON	06	0638	0700	0646	S25	E6 $\bar{6}$	.945	8970	11.2	22	1N							200
KIEV	06	0642	0655	0646	S22	E5 $\bar{9}$	.904	8970	10.7	13	1N							70
CAPS	06	0645E	0730D		S18	E7 $\bar{0}$	.959	8970	11.5	45D	2F	3						176
MANI	06	0646E	0724	0655	S20	E6 $\bar{3}$	.925	8970	11.0	38D	1F	1						
MONT	06	0647E	0725		S20	E6 $\bar{3}$	.925	8970	11.0	38D	1F	1						
CANA	06	0810	0821	0811	N26	W3 $\bar{7}$	.573	8957	4.0	11	-F							100
CANA	06	0955	1015	0959	S24	E7 $\bar{5}$	.983	8970	12.0	20	-F							100
CANA	06	1044	1100	1048	N04	E6 $\bar{7}$	.918	8969	11.5	16	-F							100
GRP 8786	06	1115	1143	1120	N24	E1 $\bar{8}$	.408	8963	7.8	28	-F							3 3 2
CANA	06	1115	1135	1118	N25	E1 $\bar{8}$	.418	8963	7.8	20	-F							100
MONT	06	1115	1150	1122	N24	E1 $\bar{9}$	.419	8963	7.9	35	-N							
MEUD	06	1115E	1123D		N23	E1 $\bar{7}$	.386	8963	7.7	8D	-F							
CANA	06	1337	1349	1343	N04	E6 $\bar{7}$	.918	8969	11.6	12	-F							100
CANA	06	1444	1501	1447	S19	E6 $\bar{2}$	.917	8956	11.3	17	-F							100
MCMA	06	1445	1515	1452	S21	E6 $\bar{3}$	.927	8970	11.3	30	-N							
MCMA	06	1446	1506	1449	S30	E3 $\bar{0}$	.732	8965	8.9	20	-N							
MONT	06	1530	1540	1532	S30	E3 $\bar{1}$	.739	8965	9.0	10	-F							
CANA	06	1533	1548	1537	N18	W4 $\bar{7}$	.660		3.6	15	-F							100
GRP 8793	06	2218	2244	2224	N25	E1 $\bar{2}$	.361	8963	7.8	26	-N							2 2 2
LOCK	06	2216	2245	2223	N25	E1 $\bar{1}$	.352	8963	7.8	29	-F							10 H
HALE	06	2219	2242	2224	N25	E1 $\bar{3}$	.369	8963	7.9	23	-N	1						
SACP	06	2240	2300	2248	N29	W3 $\bar{6}$	.646	8957	4.2	20	-F							
MANI	06	2330	2345	2334	N22	E0 $\bar{9}$	.294	8963	7.7	15	-F	2						
GRP 8796	06	2355	0025	2359	S29	E2 $\bar{4}$	.682	8965	8.8	30	-N							3 3 3
LOCK	06	2355	0007D	2358	S28	E2 $\bar{7}$	.652	8965	8.6	12D	-F							10 H
SACP	07	0000E	0000D	0000U	S30	E2 $\bar{5}$	.699	8965	8.9		1N							
HALE	07	0002E	0025		S29	E2 $\bar{6}$	.695	8965	9.0	23D	-N	1						
GRP 8797	07	0008	0037	0018	N28	W3 $\bar{3}$	.608	8957	4.5	29	-F							4 4 4
LOCK	07	0000	0040	0020	N26	W2 $\bar{6}$	.516	8957	5.0	40	-F							10
HALE	07	0002E	0042	0015	N32	W3 $\bar{3}$	.635	8957	4.5	40D	-N	1						
MANI	07	0014	0030	0018	N26	W3 $\bar{8}$	.652	8957	4.2	16	-F	2						
IKOM	07	0015	0035D		N27	W3 $\bar{4}$	.613	8957	4.5	20D	1F							
HALE	07	0033	0155	0056	S23	E6 $\bar{5}$	.942	8970	11.9	82	-N	2						
HALE	07	0249	0258	0250	N24	E1 $\bar{0}$	.331	8963	7.9	9	-F	1						

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
HALE	1967 SEPT 07	0355	0410	0358	S22	W42	.771	A960	4.0	15	-F	1 C	0358	.21	.30			
GRP 8801	07	0756	0808	0800	N22	E0R	.286	A963	7.9	12	-F			.25			2 2 2	
CRON	07	0754	0809	0800	N21	E0R	.272	A963	7.9	15	-F	C		.30	.30	100	H	
CANA	07	0757	0807	0759	N22	E0R	.286	A963	7.9	10	-F	C		.20	.20	100	H	
MONT	07	0951	1000	0952	S15	E37	.681	A967	10.2	9	-B	C	0952	.26				
GRP 8803	07	1427	1432	1429	S16	E34	.655	A967	10.2	5	-N			.50			2 2 1	
CANA	07	1426	1430	1428	S16	E34	.655	A967	10.2	4	-N	C		.10	.10	200		
SACP	07	1427	1433	1429	S15	E34	.648	A967	10.2	6	-F	C		.50	.56			
CAPS	07	1530E	1550D		S23	E55	.880	A970	11.8	20D	-F	3	1534	.40	1.00	155		
GRP 8805	07	1641	1701	1649	N15	E9 \bar{n}	.999	A973	14.4	20	-N			.18			2 2 2	
HOUS	07	1641	1657	1645	N21	E9 \bar{n}	.999	A973	14.4	16	-F	C		.10	.40	100	K	
HOUS	07	1641	1657	1653	N21	E9 \bar{n}	.999	A973	14.4	16	-F							
HALE	07	1641	1705	1653	N09	E89	.999	A973	14.4	24	-N	1 C	1653	.26				
HALE	07	1641	1705	1646	N09	E89	.999	A973	14.4	24	-N	1 C	1646	.21				
GRP 8806	07	1927	1941	1932	S22	E42	.771	A967	11.0	14	-N			.71			5 5 4	
SACP	07	1920	1947	1932	S21	E41	.757	A967	10.9	27	-N	C		1.00	1.24			
LOCK	07	1927	1941	1932	S23	E42	.777	A967	11.0	14	-F	C	1932	.90	1.40	10		
HOUS	07	1929	1934	1933	S23	E43	.786	A967	11.0	5	-F	C		.20	.30	100		
MCMA	07	1930	1937	1931	S22	E42	.771	A967	11.0	7	-N	C	1931	.52	.80		EL	
HALE	07	1931	1947	1934	S21	E42	.766	A967	11.0	16	-N	1 C	1934	.41	.60			
CRON	08	0210	0226	0213	N05	E83	.991	A973	14.3	16	-N	C		.30	1.00	200		
GRP 8808	08	0808	0822	0810	S24	E47	.824	A970	11.9	14	-N			.29			4 4 4	
CANA	08	0807E	0818	0808U	S23	E45	.803	A970	11.7	11D	-F	C		.10	.20	100	H	
ATHN	08	0808	0820D	0810	S24	E48	.832	A970	11.9	12D	-N	2	0810	.50	.90	200	H	
CRON	08	0808	0823	0809	S25	E47	.829	A970	11.9	15	-N	C		.30	.50		H	
CAPE	08	0808	0826	0811	S22	E47	.815	A970	11.9	18	-N	C	0811	.27	.50		HV	
CAPE	08	1117	1125	1119	N10	E57	.833	A972	12.7	8	-F	C	1119	.32	.60		F	
GRP 8810	08	1147	1209	1149	N09	E59	.851	A972	12.9	22	-F			.52			5 5 5	
CAPE	08	1145	1215	1149	N10	E58	.842	A972	12.8	30	-F	C	1149	.72	1.30		FK	
ATHN	08	1146	1210		N08	E61	.870	A972	13.1	24	N	2	1155	1.16	2.40			
CANA	08	1147	1200	1149	N10	E59	.851	A972	12.9	13	-F	C		.30	.60	100		
HUAN	08	1147	1205	1148	N09	E6 \bar{n}	.860	A972	13.0	18	-F	2 C	1148	.21	.29		D	
CATA	08	1150	1215	1150	N07	E58	.843	A972	12.8	25	-N			.20	.38	158		
GRP 8810	08	1130	1200	1139	N10	E59	.851	A972	12.9	30	-N			.20			2 2 2	
CATA	08	1130	1215	1145	N09	E6 \bar{n}	.860	A972	13.0	45	-F			.18		138		
MONT	08	1130	1145	1132	N10	E57	.833	A972	12.8	15	-N	C	1132	.21				
GRP 8810	08	1150	1213	1201	N10	E59	.851	A972	12.9	23	-N			.65			2 2 2	
CAPE	08	1145	1215	1201	N10	E58	.842	A972	12.8	30	-F	C	1201	.68	1.20			
MONT	08	1155	1210		N10	E59	.851	A972	12.9	15	-N	C	1205	.62				
CANA	08	1142	1153	1145	N09	E78	.975	A973	14.3	11	-F	C		.20	.60	100		
GRP 8812	08	1230	1236	1233	S23	E45	.803	A970	11.9	6	-F			.56			2 2 2	
CAPE	08	1228	1236	1232	S22	E45	.798	A970	11.9	8	-F	C	1232	.90	1.50			
HUAN	08	1231	1235	1233	S24	E45	.808	A970	11.9	4	-F	2 C	1233	.21	.27		D	
GRP 8813	08	1331	1345	1333	S21	E41	.757	A970	11.6	14	-N			.56			7 7 6	
ATHN	08	1328	1343	1332	S23	E43	.786	A970	11.8	15	-N			.99	1.60			
HUAN	08	1329	1341		S21	E42	.766	A970	11.7	12	-N	1 C	1332	.45	.56		E	
CAPE	08	1330	1347	1332	S20	E41	.751	A970	11.6	17	-N	C	1332	.87	1.30			
MCMA	08	1330	1406	1334	S21	E39	.738	A970	11.5	36	-N	C	1334	.52	.70		E	
HOUS	08	1331	1341	1332	S21	E41	.757	A970	11.6	10	-F	C		.20	.30	100		
MEUD	08	1332	1337		S22	E42	.771	A970	11.7	5	-F	C						
CATA	08	1335	1340	1335	S22	E42	.771	A970	11.7	5	-N			.31	.53	170		
HOUS	08	1356	1401	1358	N12	W42	.664	A961	5.4	5	-F	C		.20	.30	100		
GRP 8815	08	1415	1426	1420	N21	W71	.938		3.3	11	-F			.24			3 3 3	
HOUS	08	1415	1425	1419	N21	W71	.938		3.3	10	-F	C		.20	.50	100		
CANA	08	1415	1427	1420	N21	W71	.938		3.3	12	-F	C		.20	.50	100		
SANM	08	1416	1425	1420	N22	W72	.943		3.2	9	-F	C	1420	.31				
HOUS	08	1529	1538	1534	N12	W29	.484	A961	6.5	9	-F	C		.10	.11	100		
HUAN	08	1810	1813		N28	W61	.875	A957	4.2	3	-F	1 P	1811	.25	.34		D	

SOLAR FLARES
SEPTEMBER 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 FLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %		
	1967 SEPT																	
GRP 8818	08	1900	1925	1909	N26 W09	.352	R963	8.1	25	-N				1.07				5 5 5
MCMA	08	1858	1930	1907	N26 W08	.346	R963	8.2	32	-B		C	1907	.77	.80			E
LOCK	08	1858	1932	1912	N26 W10	.359	R963	8.0	34	-N		C	1912	1.00	1.10		20	E
HUAN	08	1901	1922	1906	N26 W08	.346	R963	8.2	21	-N	1	C	1906	1.00	1.00			E
HOUS	08	1903	1919	1909	N25 W08	.331	R963	8.2	16	-N		C		.50	.52		200	
SACP	08	1909E	1922D	1910	N26 W09	.352	R963	8.1	13D	IN		C		2.09	2.07			
HUAN	08	1957E	2001D		N28 W62	.882	R957	4.2	4D	-F	1	P	2001	.25	.34			D
HOUS	08	2039	2050	2044	N14 E69	.927	R973	14.0	11	-F		C		.20	.50		100	
LOCK	08	2129	2140	2132	N06 E71	.942	R973	14.2	11	-F		C	2132	.20	.50		10	
GRP 8822	08	2226	2243	2228	N08 E73	.952	R973	14.4	17	-F				.23				2 2 2
LOCK	08	2225	2235	2227	N06 E71	.942	R973	14.3	10	-F		C	2227	.20	.50		10	
HALE	08	2226	2250	2228	N09 E75	.962	R973	14.6	24	-F	1	C	2228	.26				
GRP 8823	08	2238	2304	2243	S20 E33	.674	R970	11.4	26	-N				.61				3 3 3
LOCK	08	2232	2300	2240	S19 E33	.666	R970	11.4	28	-F		C	2240	.60	.80		10	
HALE	08	2235	2308	2240	S20 E33	.674	R970	11.4	33	-N	1	C	2240	.52	.70			
SACP	08	2246	2305	2250	S20 E33	.674	R970	11.4	19	-N		C		.70	.79			
GRP 8824	09	0256	0351	0329	N11 E72	.946	R973	14.5	55	IN				.97				3 3 3
HALE	09	0255	0408		N13 E71	.939	R973	14.4	73	-F	1	P	0330	.67				
CRON	09	0256	0323	0300	N10 E74	.957	R973	14.7	27	IN		C		1.00			200	E
MANI	09	0315E	0330D		N11 E70	.934	R973	14.4	15D	IN	1		0321	1.24	2.61			
CRON	09	0324	0334	0329	N08 E77	.971	R973	14.9	10	-F		C		.20	.60		100	
GRP 8825	09	0628	0656	0644	N32 W64	.900	R957	4.5	28	1F				2.21				2 2 1
BUCA	09	0625E	0658D		N32 W63	.894	R957	4.5	33D	1F		C	0643	2.21	4.90			
CRON	09	0631	0654	0644	N32 W65	.906	R957	4.4	23	-F		C		.40	.90		100	L
ABST	09	0730	0742D	0742	N08 E68	.923	R973	14.4	12D	1F		P	0742	.90	2.20			D
CATA	09	0735	0745	0735	N29 W66	.910	R957	4.4	10	-N			0735	.09			178	
CATA	09	0745	0815	0750	N06 E69	.930	R973	14.5	30	-B			0750	.13			263	
CANA	09	0941	0951	0944	S20 W77	.986	R960	3.6	10	-F		C		.20	.60		100	
GRP 8830	09	1020	1059	1023	S22 W32	.681	R962	7.0	39	-N				1.18				2 2 2
ATHN	09	1019	1045	1022	S22 W32	.681	R962	7.0	26	-N	1		1022	1.32	1.60			
CAPE	09	1020	1112	1023	S22 W32	.681	R962	7.0	52	-N		C	1023	1.04	1.40			JKV
GRP 8830	09	1029	1057	1041	S21 W33	.682	R962	7.0	28	-N				.30				2 2 2
CATA	09	1022	1100	1040	S20 W33	.674	R962	7.0	38	-N			1040	.29	.41		184	
CANA	09	1036	1053	1041	S21 W32	.672	R962	7.0	17	-N		C		.30	.40		200	
HUAN	09	1238	1245	1240	N20 W50	.766	R961	5.8	7	-F	2	C	1240	.25	.31			D
GRP 8832	09	1316	1329	1318	N21 W52	.788	R961	5.7	13	-N				.38				2 2 2
ATHN	09	1314	1327	1315	N22 W51	.780	R961	5.7	13	-N	1		1315	.50	.70			
HUAN	09	1317	1331	1320	N20 W52	.787	R961	5.7	14	-F	2	C	1320	.25	.32			D
GRP 8833	09	1343	1351	1347	N21 W52	.788	R961	5.7	8	-N				.32				3 3 3
ATHN	09	1342	1350	1345	N22 W51	.780	R961	5.7	8	-N	1		1345	.50	.70			
HOUS	09	1344	1350	1347	N20 W53	.797	R961	5.6	6	-F		C		.20	.30		100	K
HUAN	09	1344	1352	1348	N20 W52	.787	R961	5.7	8	-N	2	C	1348	.25	.32			D
GRP 8834	09	1442	1453	1443	N21 W53	.798	R961	5.6	11	-F				.32				3 3 3
HOUS	09	1436	1452	1437	N20 W53	.797	R961	5.6	16	-F		C		.20	.30		100	K
HOUS	09	1436	1452	1445	N20 W53	.797	R961	5.6	16	-F				.20	.30			
HUAN	09	1444	1456	1446	N20 W53	.797	R961	5.6	12	-F	2	C	1446	.25	.32			D
ATHN	09	1445	1451	1447	N22 W52	.790	R961	5.7	6	-N	1		1447	.50	.70			
GRP 8835	09	1514	1531	1519	S21 W37	.720	R962	6.9	17	-N				.78				4 4 4
ATHN	09	1512	1531	1515	S20 W34	.684	R962	7.1	19	-N	1		1515	1.32	1.80			
HUAN	09	1515	1534	1522	S22 W35	.708	R962	7.0	19	-N	2	C	1522	.52	.61			E
CAPS	09	1520E	1532		S20 W42	.760	R962	6.5	12D	-F	3		1524	.80	1.20		152	EGJ
SANM	09	1521E	1528		S23 W37	.733	R962	6.9	7D	-F		P	1522	.48	.70			E
HOUS	09	1519	1527	1522	S19 W37	.706	R963	6.9	8	-N		C		.20	.30		200	E
HOUS	09	1556	1603	1558	N19 W62	.876	R961	5.0	7	-F		C		.10	.20		100	
HOUS	09	1559	1607	1601	N20 W53	.797	R961	5.7	8	-F		C		.20	.30		100	
HOUS	09	1602	1613	1606	N22 W62	.878	R961	5.0	11	-F		C		.20	.40		100	

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
HUAN	10	1525	1532	1526	N24	W37	.632	A963	7.9	7	-F	2	C	1526	.25	.27			D
SACP	10	1606	1628	1612	S23	W48	.827	A962	7.1	22	-N		C		.40	.55			
GRP 8862	10	1720	1800	1753	N16	E47	.728	A973	14.2	40	-B		C		1.31				2 1 1
SACP	10	1720	1800	1753	N15	E47	.727	A973	14.2	40	-B		C		1.31	1.56			
HOUS	10	1733E	1737D	1735	N16	E47	.728	A973	14.3	4D	-F		C		.70	1.00		100	
SACP	10	1748	1818	1759	S23	W46	.835	A962	7.1	30	-N		C		.40	.56			
GRP 8864	10	1753	1812	1805	S19	E17	.476	A970	11.6	19	-N		C		.76				2 2 2
SACP	10	1753	1812	1803	S19	E17	.476	A970	11.6	19	-N		C		1.21	1.23			
HOUS	10	1806E	1807D	1807	S19	E17	.476	A970	11.6	1D	-F		C		.30	.32		100	
GRP 8865	10	1810	1835	1819	N24	W36	.620	A963	8.1	25	-N		C		1.26				3 3 2
SACP	10	1807	1836D	1824	N24	W37	.632	A963	8.0	29D	1B		C		2.10	2.33			
MCMA	10	1810	1836	1814	N24	W35	.608	A963	8.1	26	-N		C	1814	.41	.50			EH
HOUS	10	1812	1834	1818	N24	W37	.632	A963	8.0	22	-F		C		.30	.40		100	
GRP 8866	10	2252	2307	2258	S19	E08	.460	A970	11.6	15	-F		C		.48				2 2 2
HALE	10	2252	2305	2257	S18	E08	.446	A970	11.6	13	-F	1	C	2257	.36	.40			
LOCK	10	2252E	2309U	2258U	S19	E07	.456	A970	11.5	17U	-F		C	2258	.60	.70		10	
	10	2355	0000	NO FLARE PATROL															
GRP 8867	11	0014	0042	0023	N14	E47	.653	A973	14.1	28	-F		C		.50				3 3 3
LOCK	11	0007	0040	0020	N14	E47	.653	A973	14.1	33	-F		C	0020	.50	.70		10	
HALE	11	0020	0042	0026	N14	E47	.653	A973	14.1	22	-F	1	C	0026	.21	.30			
CRON	11	0031E	0045	0034	N13	E42	.665	A973	14.2	14D	-N		C		.80	1.10		200	
GRP 8868	11	0301	0315	0305	S23	W57	.894	A962	6.9	14	-N		C		.23				2 2 2
CRON	11	0300	0315	0305	S21	W57	.888	A962	6.8	15	-N		C		.30	.60		200	
HALE	11	0302	0314	0305	S24	W56	.890	A962	6.9	12	-N	1	C	0305	.15	.30			6
GRP 8869	11	0546	0557	0547	S21	E03	.476	A970	11.5	11	-N		C		.33				2 2 1
ATHN	11	0546	0555	0547	S22	E04	.492	A970	11.5	9	-N	2	C	0547	.33	.40			
ISTA	11	0550E	0558		S20	E07	.458	A970	11.3	8D	-F		C						
ISTA	11	0550E	0654		N15	E47	.655	A973	14.3	64D	-F		C						
ISTA	11	0658	0710		N25	W44	.714	A963	8.0	12	-B		C						
CRON	11	0712	0723	0719	N22	W79	.975	A961	5.4	11	-F		C		.10	.30		100	
ATHN	11	1048E	1100	1050	N10	E18	.309	A972	12.8	12D	-N	1	C	1050	.66	.70			
GRP 8874	11	1119	1133	1123	N19	E37	.535	A972	13.8	14	-N		C		.62				3 3 3
CANA	11	1119	1126	1121	N19	E37	.521	A972	13.7	7	-F		C		.50	.60		100	
CAPE	11	1119	1138	1123	N20	E38	.526	A972	13.7	19	-N		C	1123	.36	.40			C
ATHN	11	1120	1136	1124	N19	E32	.548	A972	13.9	16	-B	2	C	1136	.99	1.20			
GRP 8875	11	1323	1343	1330	N23	W88	.997	A961	5.0	20	1N		C		1.22				6 6 5
SALO	11	1320	1350	1330	N28	W86	.993	A961	5.1	30	1B		V	1330	.70		1.70		
HUAN	11	1323	1338		N20	W88	.997	A961	5.0	15	-F	1	C	1332	.75				EAKA
CAPE	11	1323	1341	1328	N20	W90	.999	A961	4.8	18	1F		C	1328	.68				A
SANM	11	1324	1340	1328	N19	W88	.997	A961	5.0	16	1F		C	1328	.65				A
MCMA	11	1325	1339	1327	N25	W88	.996	A961	5.0	14	-F		C						
ATHN	11	1330E	1348	1338	N25	W85	.991	A961	5.2	18D	1B	2	C	1338	3.30				
GRP 8876	11	1345	1353	1348	S22	W62	.923	A962	6.9	8	-N		C		.45				5 5 5
CAPE	11	1342	1354	1348	S22	W61	.917	A962	7.0	12	-N		C	1348	.59	1.50			VJK
SACP	11	1345	1353	1348	S22	W60	.911	A962	7.1	8	-N		C		.70	1.18			
MCMA	11	1346	1351	1347	S23	W62	.925	A962	6.9	5	-B		C	1347	.31	.80			D
HUAN	11	1346	1352	1348	S22	W62	.923	A962	6.9	6	-N	2	C	1348	.35				D
SANM	11	1347	1353	1349	S23	W63	.931	A962	6.8	6	-N		C	1349	.31	.75			
GRP 8877	11	1504	1522	1508	N13	E35	.572	A973	14.3	18	-N		C		1.06				5 5 5
SACP	11	1501	1525	1508	N14	E35	.574	A973	14.3	24	-N		C		1.21	1.28			
CAPE	11	1504	1522	1508	N14	E35	.574	A973	14.3	18	-N		C	1508	1.67	2.00			FV
HOUS	11	1505	1520	1507	N13	E33	.544	A973	14.1	15	-N		C		.50	.60		200	E
HUAN	11	1506	1509D		N13	E36	.586	A973	14.3	3D	-N	2	P	1508	1.13	1.21			E
MCMA	11	1506	1519	1507	N13	E35	.572	A973	14.3	13	-B		C	1507	.77	.90			EH

SOLAR FLARES

SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLARE REGION	CMP DAY					TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
					LAT.	MER. DIST.													
	1967 SEPT																		
GRP 8895	12	1522	1557	1529	N24	W67	.871	A963	8.1	35	-N				.79				3 3 3
HUAN	12	1522	1553	1528	N23	W63	.886	A963	7.9	31	-N	1	C	1528	.75	1.19			E
MCMA	12	1522	1600D	1527	N25	W67	.864	A963	8.1	38D	-N		C	1527	.72	1.40			E
HOUS	12	1531E	1544D	1532U	N24	W67	.871	A963	8.1	13D	-N		C		.90	1.80	200		K
HOUS	12	1614	1624	1617	N16	W6R	.920	A963	7.6	10	-N		C		.20	.40	200		
GRP 8897	12	1632	1648	1636	N12	E27	.454	A973	14.7	16	-N				.50				5 5 5
HOUS	12	1631	1645	1635	N12	E26	.439	A973	14.6	14	-N		C		.30	.32	200		
LOCK	12	1631	1652	1636	N12	E26	.439	A973	14.6	21	-F		C	1636	.60	.70	10		
HUAN	12	1633	1644	1638	N12	E27	.454	A973	14.7	11	-F	2	C	1638	.55	.56			E
MCMA	12	1633	1649	1636	N12	E27	.454	A973	14.7	16	-N		C	1636	.41	.50			
HALE	12	1634	1650	1637	N12	E27	.454	A973	14.7	16	-B	2	C	1637	.62	.70			
HOUS	12	1701	1710	1704	N16	W6R	.920	A963	7.6	9	-N		C		.20	.40	200		
HOUS	12	1851	1902	1859	N24	W67	.871	A963	8.2	11	-N		C		.90	1.80	200		E
GRP 8900	12	1908	1920	1910	N17	W69	.926	A963	7.6	12	-F				.26				2 2 2
HOUS	12	1907	1922	1911	N17	W69	.926	A963	7.6	15	-F		C		.20	.40	100		
MCMA	12	1908	1917	1909	N16	W6R	.920	A963	7.7	9	-F		C	1909	.31	.80			D
HUAN	12	1924	1929	1925	N23	W67	.914	A963	7.8	5	-F	1	C	1925	.25				D
GRP 8902	12	1924	1949	1931	N14	E16	.294	A973	14.0	25	-N				.39				2 2 2
HOUS	12	1923	1945	1931	N14	E16	.294	A973	14.0	22	-F		C		.20	.21	100		
HALE	12	1924	1953	193v	N14	E15	.279	A973	13.9	29	-N	1	C	1930	.57	.60			
GRP 8903	12	1925	2014	1933	S23	W14	.548	A970	11.8	49	-F				.76				2 2 2
LOCK	12	1923	2025	1933	S25	W12	.563	A970	11.9	62	-F		C	1933	1.20	1.40	10		
HUAN	12	1927	2003		S21	W16	.535	A970	11.6	36	-F	1	C	1940	.31	.33			DTL
HOUS	12	2040	2057	2045	N17	W69	.926	A963	7.7	17	-F		C		.20	.40	100		
HOUS	12	2044	2057	2050	S25	W90	1.001	A962	6.1	13	-F		C		.10	.40	100		
HOUS	12	2124	2138	2129	N12	E26	.439	A973	14.8	14	-N		C		.30	.32	200		
HOUS	12	2202	2215	2207	S20	W27	.562	A970	11.3	13	-F		C		.20	.22	100		
GRP 8908	12	2204	2215	2206	N13	E24	.412	A973	14.7	11	-N				.55				2 2 2
HOUS	12	2204	2215	2205	N12	E26	.439	A973	14.9	11	-N		C		.30	.32	200		
LOCK	12	2204	2215	2206	N14	E22	.385	A973	14.6	11	-N		C	2206	.80	.90	20		
HALE	13	0156	0215	0200	S22	W25	.576	A970	11.6	19	-N	1	C	0200	.31	.40			
CRON	13	0159E	0206	0159U	S24	W90	1.001	A962	6.3	7D	-F		C		.30	1.20	100		
HALE	13	0232	0255	0246	N16	W77	.968	A963	7.3	23	-F	1	C	0246	.26				
ISTA	13	0745E	0805		N13	E16	.288	A973	14.5	20D	-F								
GRP 8913	13	0858	0938	0910	N23	W77	.938	A963	8.0	40	-N				.50				2 2 1
ISTA	13	0850E	0955		N23	W77	.944	A963	8.0	65D	-N								
SALO	13	0905	0920	0910	N22	W69	.926	A963	8.2	15	-N		V	0910	.50		1.60		
GRP 8914	13	0930	0954	0934	N26	W69	.927	A963	8.2	24	1N				2.31				2 2 1
CAPE	13	0930	0957	0934	N24	W70	.933	A963	8.1	27	2F		C	0934	2.31	6.80			T
ISTA	13	0930	0950		N28	W67	.916	A963	8.4	20	-N								
CAPE	13	1152	1211	1200	N15	E07	.180	A973	14.0	19	-F		C	1200	1.19	1.20			C
HUAN	13	1214	1219	1216	N24	W75	.958	A963	7.9	5	-F	2	C	1216	.21				D
CAPE	13	1309	1315	131v	N15	E08	.191	A973	14.1	6	-F		C	1310	.27	.30			C
HOUS	13	1311	1316	1312	N23	W79	.975	A963	7.6	5	-F		C		.20	.60	100		
GRP 8919	13	1649	1706	1653	S22	W29	.653	A970	11.5	17	-N				.48				4 4 4
HUAN	13	1646	1708	1652	S22	W28	.644	A970	11.6	22	-N	2	C	1652	.37	.41			
MCMA	13	1648	1707	1651	S22	W35	.662	A970	11.5	19	-N		C	1651	.52	.70			E
HALE	13	1650	1700D	1657U	S22	W29	.653	A970	11.5	10D	-N	2	P	1657	.31	.40			
HOUS	13	1650E	1704	1651U	S21	W29	.644	A970	11.5	14D	-F		C		.70	.90	100		
GRP 8920	13	2137	2204	2142	N13	E07	.156	A973	14.4	27	-F				1.50				2 2 1
HOUS	13	2133	2155	2138	N17	E11	.251	A973	14.7	22	-F		C		.10	.11	100		
HOUS	13	2138	2217	2142	N12	E04	.108	A973	14.2	39	-F		C		.10	.11	100		K
HOUS	13	2138	2217	2203	N12	E04	.108	A973	14.2	39	-F								
HUAN	13	2140	2150		N13	E08	.170	A973	14.5	10	-F	1	P	2148	1.50	1.50			

SOLAR FLARES
SEPTEMBER 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 FLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
	1967 SEPT																	
MANI	14	0128E	0144		N11	E05	.108	A973	14.4	16D	-N	1	0135	.52	.52			
MANI	14	0414E	0431D	0423	N13	E05	.132	A973	14.6	17D	-F	2	0423	.62	.62			
BUCA	14	0615E	0640D		N15	E03	.145	A973	14.5	25D	-N	C	0623	.55	.50			
GRP 8924	14	0749	0818	0757	S21	W37	.719	A970	11.6	29	-N			1.34			8 8 7	
CAPE	14	0744	0822	0759	S20	W37	.713	A970	11.5	38	1B	C	0759	1.55	2.20		FH	
BUCA	14	0745E	0819	0756	S21	W36	.710	A970	11.6	34D	1B	C	0756	2.76	3.90			
CATA	14	0745	0825	0800	S20	W37	.713	A970	11.5	40	-B		0800	.74	1.07		224	
CRON	14	0749	0809	0754	S22	W39	.744	A970	11.4	20	-N	C		1.10	1.60		200	
CATA	14	0750	0758	0755	S20	W33	.674	A970	11.9	8	-N		0755	.21	.29		153	
CANA	14	0751E	0804D	0755	S19	W37	.706	A970	11.6	13D	-N	C		.60	.80		200	
MANI	14	0755	0808D		S20	W34	.684	A970	11.8	13D	-N	1	0756	.72	.99			
ARCE	14	0800E	0806D		S21	W38	.729	A970	11.5	6D	1N	C	0803	1.90	2.80			
ISTA	14	0800E	0817		S20	W39	.732	A970	11.4	17D	-N							
ISTA	14	0800E	0817		S22	W39	.744	A970	11.4	17D	-N							
CATA	14	0815	0825	0815	S21	W32	.672	A970	11.9	10	-F		0815	.07	.11		148	
KIEV	14	0751	0810	0758	S21	E37	.663	A979	16.7	19	1N	C	0754	3.09			65	
CANA	14	0900	0915	0908	N18	W14	.299	A972	13.3	15	-F	C		.10	.10		100	
GRP 8927	14	1036	1110	1042	N13	W01	.102	A973	14.4	34	-N			.86			6 5 4	
CANA	14	1035	1103	1038	N12	W02	.090	A973	14.3	28	-N	C		.20	.20		200	
CATA	14	1035	1135	1050	N13	E01	.102	A973	14.5	60	-N		1050	.64	.65		182	
CATA	14	1035	1135	1050	N12	W03	.098	A973	14.2	60	-F		1050	.13	.14		123	
ATHN	14	1036	1118	1039	N12	E01	.085	A973	14.5	42	-N	2	1039	1.32	1.30			
CAPE	14	1037	1107	1041	N13	E01	.102	A973	14.5	30	-N	C	1041	.87	.90		H	
SALO	14	1038	1047	1040	N14	W02	.123	A973	14.3	9	-N	V	1040	.60		1.60		
MONT	14	1120	1153	1130	N14	E04	.136	A973	14.8	33	-N	C	1130	.62				
CANA	14	1147	1201	1151	N17	W90	.999	A963	7.7	14	-F	C		.20	.80		100	
GRP 8929	14	1347	1354	1349	N14	W01	.119	A973	14.5	7	-F			.41			3 3 3	
SACP	14	1346	1352	1348	N15	W01	.136	A973	14.5	6	-F	C		.40	.39			
HUAN	14	1347	1352	1348	N14	W01	.119	A973	14.5	5	-F	2	1348	.50	.50		ET	
ATHN	14	1350E	1357	1350	N12	E00	.083	A973	14.6	7D	-N	2	1350	.33	.30			
LOCK	14	2005	2015	2008	N14	W10	.207	A973	14.1	10	-F	C	2008	.40	.42		10	
GRP 8931	14	2307	2355	2319	N14	W04	.136	A973	14.7	48	-F			1.00			2 2 2	
LOCK	14	2307	2335	2318	N13	W06	.144	A973	14.5	28	-F	C	2318	1.00	1.04		10	
SACP	14	2313U	2353	2319U	N12	W07	.146	A973	14.4	40U	-F	C		1.00	.98			
LOCK	14	2346	2356	2349	N18	E04	.199	A973	15.3	10	-F	C	2349	.40	.42		10	
CRON	15	0047	0053	0050	N25	W90	.999	A963	8.3	6	-F	C		.20	.80		100	
MANI	15	0545	0605	0552	N24	E86	.993	A985	21.7	20	1N	2	0552	1.03	3.00			
GRP 8934	15	0738	0807	0750	N12	W14	.252	A973	14.3	29	-N			.55			2 2 1	
BUCA	15	0730E	0807D		N12	W14	.252	A973	14.3	37D	-F	C	0750	.55	.50			
CRON	15	0745	0800D	0750	N12	W14	.252	A973	14.3	15D	-N	C		.10	.10		200	
GRP 8935	15	1453	1507	1455	N15	W15	.286	A973	14.5	14	-F			.21			4 4 4	
SACP	15	1452	1506	1454	N16	W15	.294	A973	14.5	14	-F	C		.20	.19			
HUAN	15	1452	1507	1455	N15	W15	.286	A973	14.5	15	-F	2	1455	.21	.21		D	
CANA	15	1453	1505	1456	N16	W16	.308	A973	14.4	12	-F	C		.10	.10		100	
ATHN	15	1453	1509	1455	N13	W13	.243	A973	14.6	16	-N	2	1455	.33	.30			
	15	2345	0000		NO FLARE PATROL													
	16	0000	0010		NO FLARE PATROL													
CRON	16	0437	0449	0438	N09	W15	.258	A973	15.1	12	-F	C		.20	.20		100	
CRON	16	0620	0625	0622	N05	E67	.918	A985	21.3	5	-F	C		.10	.20		100	
CRON	16	0708	0730	0714	N14	E69	.927	A985	21.5	22	-F	C		.20	.50		100	
ATHN	16	1203	1217	1205	N11	W30	.498	A973	14.3	14	-N	2	1205	.66	.70			
GRP 8940	16	1233	1312	1302	N18	E65	.899	A985	21.4	39	1F			4.43			2 2 1	
CAPE	16	1233	1314	1258	N19	E64	.906	A985	21.5	41	2F	C	1258	4.43	10.50		T	
CANA	16	1259	1310	1305	N16	E63	.884	A985	21.3	11	-F	C		.80	1.60		100	
CANA	16	1324	1331	1327	N17	W15	.303	A973	15.4	7	-F	C		.20	.20		100	

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP 8942	16	1352	1409	1356	N25	E44	.714	8981	19.9	17	-F			.59				4 4 2	
HOUS	16	1351	1409	1354	N24	E43	.700	8981	19.8	18	-F	C		.10	.11		100		
SACP	16	1351	1410	1358	N25	E44	.714	8981	19.9	19	-N	C		.30	.35				
CAPE	16	1352	1409	1354	N25	E44	.714	8981	19.9	17	-F	C	1354	.87	1.20		C		
CANA	16	1354	1407	1356	N25	E46	.736	8981	20.0	13	-F	C		.10	.10		100		
GRP 8943	16	1649	1716	1655	N14	E66	.907	8985	21.7	27	-N			.30				2 2 2	
HOUS	16	1649	1715	1654	N13	E66	.907	8985	21.7	26	-F	C		.20	.40		100		
SACP	16	1649	1716	1655	N15	E66	.907	8985	21.7	27	-N	C		.40	.65				
HOUS	16	2158	2203	2200	N14	W35	.574	8973	14.3	5	-F	C		.20	.22		100		
LOCK	16	2245	2308	2254	N23	E45	.719	8981	20.3	23	-F	C	2254	.30	.50		10		
GRP 8946	17	0353	0422	0400	N15	E67	.868	8985	21.7	29	2B			3.57				2 2 2	
HALE	17	0352	0418	0359	N17	E62	.876	8985	21.8	26	2B	1	P	0359	2.58	5.40			
TACH	17	0354	0425	0400	N13	E67	.859	8985	21.7	31	2B		V	0357	4.56	10.60	3.90	162	
	17	0600	0615	NO FLARE PATROL															
ISTA	17	0710	0735		S23	E38	.670	8984	19.5	25	-F								
GRP 8948	17	0951	1014	0958	N14	W47	.654	8973	14.3	23	1N			5.16				4 4 2	
ARCE	17	0945	1000	0955	N15	W47	.642	8973	14.4	15D	-N	C	0955	.79	1.10				
CAPE	17	0948	1003	0955	N15	W47	.642	8973	14.4	15	1N	C	0955	1.58	2.10				
KHAR	17	0953	1035	1000	N12	W41	.652	8973	14.3	42D	2F	P	1000	8.74	10.90	1.80			
ZURI	17	0956	1004		N13	W41	.653	8973	14.3	80	-N	P	0956	1.07	1.40		D		
GRP 8949	17	1051	1202	1102	N18	W39	.636	8973	14.5	71	2N			8.00				4 4 3	
CAPE	17	1049	1325		N17	W38	.620	8973	14.6	156	2N	P	1157	4.85	6.20		F		
CAPE	17	1049	1325		N17	W38	.620	8973	14.6	156	2N	P	1201	4.07	5.20				
ATHN	17	1052	1204	1102	N21	W38	.632	8973	14.6	72	1N	2		1125	2.97	3.90			
ATHN	17	1052	1105	1054	N17	W37	.608	8973	14.7	13	-N	2		1054	.66	.90			
KHAR	17	1058E	1200D		N19	W39	.638	8973	14.5	62D	3F	P	1107	16.19	20.50	1.20			
CAPS	17	1110E	1123		N18	W47	.648	8973	14.5	13D	-N	3		1118	.40	.50		164	
SACP	17	1410	1457	1412	N12	W47	.677	8973	14.4	47	-F	C		.90	1.03				
HUAN	17	1857	1910	1859	N13	W45	.702	8973	14.4	13	-F	1	C	1859	.25	.29		D	
SACP	17	2156	2207	2158	S23	E22	.603	8984	19.6	11	-N	C		1.69	1.83				
SACP	17	2220	2232	2226	N16	E47	.681	8985	21.2	12	-F	C		.60	.69				
HALE	18	0021	0048	0027	S26	E24	.650	8984	19.8	27	-F	1	C	0027	.26	.30			
GRP 8955	18	0139	0205	0147	N09	W57	.772	8973	14.2	26	-B			.57				3 2 2	
MANI	18	0138E	0139D		N11	W49	.749	8973	14.4	10	-N	1		0139	.62	.94			
HALE	18	0139	0203	0140	N08	W53	.793	8973	14.1	24	-B	2	C	0140	.52	.80			
CRON	18	0153E	0206	0153U	N07	W52	.783	8973	14.2	13D	-F	C		.20	.30		100		
GRP 8956	18	0407	0426	0412	N16	E47	.657	8985	21.2	19	-F			.21				2 2 2	
HALE	18	0403	0420D	0409	N17	E48	.646	8985	21.2	17D	-F	2	P	0409	.21	.30			
CRON	18	0410	0426	0414	N15	E47	.655	8985	21.2	16	-F	C		.20	.30		100		
CRON	18	0420	0427	0421	N24	E26	.501	8981	20.1	7	-F	C		.20	.20		100		
GRP 8958	18	0640	0725	0654	N17	W52	.784	8973	14.4	45	-N			1.13				2 2 1	
CATA	18	0630	0745	0650	N18	W57	.775	8973	14.4	75	-F			0650	.18	.32		138	
CAPE	18	0649	0704	0657	N16	W52	.783	8973	14.4	15	-N	C	0657	1.13	1.80				
GRP 8959	18	0844	0854	0845	S25	E18	.597	8984	19.7	10	-N			.55				3 3 2	
ATHN	18	0843	0853	0845	S25	E28	.610	8984	19.9	10	-B	2		0845	.39	.50			
CAPS	18	0843E	0853		S24	E19	.591	8984	19.8	10D	-N	2		0845	.70	.80		164	
CATA	18	0845	0855	0845	S26	E14	.586	8984	19.4	10	-N			0845	.07	.10		159	
CATA	18	0915	0930	0915	S27	E17	.615	8984	19.7	15	-N			0915	.60	.77		174	
CATA	18	1205	1225	1205	S24	E15	.565	8984	19.6	20	-F			1205	.27	.33		145	
GRP 8962	18	1243	1412	1252	S23	E15	.553	8984	19.7	89	-N			.63				3 3 2	
CATA	18	1240	1415	1300	S24	E17	.554	8984	19.5	95	-N			1300	.27	.33		166	
ATHN	18	1242	1305D	1244	S23	E19	.580	8984	20.0	23D	-N	2		1244	.99	1.20			
CANA	18	1248	1307	1252	S23	E16	.559	8984	19.7	19	-F	C		.10	.10		100		
ATHN	18	1357	1408	1400	S24	E16	.571	8984	19.8	11	-N	2		1400	.83	1.00			
GRP 8963	18	1304	1313	1305	N18	W56	.824	8973	14.3	9	-N			.29				2 2 2	
CAPE	18	1302	1310	1304	N15	W56	.823	8973	14.3	8	-F	C	1304	.23	.40				
CATA	18	1305	1315	1305	N21	W55	.817	8973	14.4	10	-N			1305	.35	.61		151	

SOLAR FLARES

SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE 1967 SEPT	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
GRP 8964	18	1414	1443	1423	N20	W6R	.920	A972	13.5	29	-F			.26				3 3 3
CAPE	18	1348	1442	1422	N20	W6R	.926	A972	13.4	54	-F	C	1422	.27	.70			
SACP	18	1408	1458	1426	N20	W6R	.920	A972	13.5	50	-N	C		.40	.69			
CANA	18	1419	1430	1422	N21	W67	.914	A972	13.6	11	-F	C		.10	.20			100
GRP 8965	18	1626	1654	1630	N19	W6R	.920	A972	13.6	28	-N			.46				4 4 4
SACP	18	1625	1714	1636	N19	W6R	.920	A972	13.6	49	-B	C		.60	1.03			
CANA	18	1626	1633	1627	N20	W6R	.926	A972	13.5	7	-F	C		.20	.40			100
MCMA	18	1627	1651	1629	N19	W6R	.920	A972	13.6	24	-B	C	1629	.52	1.40			E
HOUS	18	1627	1657	1629	N19	W6R	.920	A972	13.6	30	-N	C		.50	1.10			200
MCMA	18	1802	1810	1804	N15	W67	.859	A973	14.3	8	-F	C	1804	.31	.60			D
SACP	18	1802	1918	1812	N19	W6R	.926	A972	13.6	76	-N	C		.30	.53			
GRP 8968	18	1920	2013	1933	N18	E47	.661	A985	21.9	53	-B			1.45				2 2 2
SACP	18	1920	2010	1933	N18	E47	.648	A985	21.8	50	-B	C		1.60	1.80			
MCMA	18	1920	2015	1932	N17	E47	.659	A985	21.9	55	-B	C	1932	1.29	1.70			E
MCMA	18	1950	2015	1952	N20	W77	.938	A972	13.5	25	-N	C	1952	.52	1.50			EL
HUAN	18	2042E	2050		S24	E17	.540	A984	19.6	80	-F	1 P	2042	.25	.26			D
GRP 8971	18	2316	0144	2344	N16	W67	.859	A973	14.5	148	2B			4.29				2 2 2
HALE	18	2314	0144	2344	N16	W67	.868	A973	14.4	150	2B	2 P	2344	2.58	5.20			
SACP	18	2318	0016D	2344	N15	W59	.851	A973	14.5	580	2B	C		5.99	8.69			
HALE	19	0140	0147		N20	W75	.959	A972	13.4	7	-N	2 P	0140	.41				
HALE	19	0211	0226	0215	N21	W75	.959	A972	13.5	15	-N	1 P	0215	.21				E
HALE	19	0226	0228		S23	E17	.525	A984	19.9	2	-N	1 P	0226	.41	.50			
HALE	19	0253	0322	0255	N21	W75	.959	A972	13.5	29	-N	1 P	0255	.21				
HALE	19	0331	0354	0333	N21	W75	.959	A972	13.5	23	-F	1 C	0333	.21				
GRP 8977	19	0401	0408	0405	N20	W74	.954	A972	13.6	7	1N			1.29				2 2 1
HALE	19	0401	0408	0403	N21	W75	.959	A972	13.5	7	-N	1 C	0403	.15				
KODA	19	0403E	0406D	0406	N18	W73	.949	A972	13.7	30	1N	S	0404	1.29		1.84		D
ATHN	19	0528	0534	0529	S23	E05	.508	A984	19.6	6	-N	2	0529	.66	.70			
ATHN	19	0532	0544	0533	N20	W75	.959	A972	13.6	12	-N	2	0533	.50				
CRON	19	0658	0709	0701	N21	W87	.979	A972	13.3	11	-N	C		.20	.60			200 I
GRP 8981	19	0754	0805	0756	N21	W79	.975	A972	13.4	11	-N			.29				5 5 5
CATA	19	0735	0815	0750	N21	W79	.975	A972	13.4	40	-N		0750	.33				186
CAPS	19	0753E	0758		N23	W77	.967	A972	13.6	50	-N	3	0754	.30				170 D
CANA	19	0753	0759	0754	N21	W87	.979	A972	13.3	6	-N	C		.20	.60			200
CRON	19	0755	0804	0758	N22	W87	.978	A972	13.3	9	-N	C		.30	.90			200 I
ATHN	19	0755	0809	0756	N20	W77	.968	A972	13.6	14	-N	2	0756	.33				
GRP 8982	19	0838	0901	0840	N19	W78	.972	A972	13.5	23	1N			.20				2 2 1
CANA	19	0838	0846	0840	N21	W87	.979	A972	13.4	8	-N	C		.20	.60			200
ONDR	19	0839E	0916		N17	W75	.959	A972	13.7	37D	1F	V	0844			1.70		CDJ
ATHN	19	0930	0941D	0932	N21	W77	.967	A972	13.6	110	-N	2	0932	.33				
CAPS	19	1018	1028D		N23	W77	.967	A972	13.7	100	-N	1	1027	.50				160
GRP 8985	19	1051	1205	1055	N22	W77	.967	A972	13.7	74	2N			1.55				2 2 2
CATA	19	1050	1205	1055	N24	W77	.967	A972	13.7	75	1N		1055	.79				170
CAPE	19	1051	1104		N20	W77	.968	A972	13.7	13	2N	P	1051	2.31				BT
GRP 8986	19	1233	1243	1234	N21	W87	.982	A972	13.4	10	-N			1.25				6 6 4
KIEV	19	1230	1240	1232	N21	W85	.992	A972	13.1	10	1N	C	1232	2.58				70 DI
CAPS	19	1231E	1244		N23	W77	.967	A972	13.7	130	-N	2	1237	1.20				164
CANA	19	1232	1243	1233	N21	W87	.979	A972	13.5	11	-N	C		.30	.90			200
MCMA	19	1234	1243	1235	N20	W85	.992	A972	13.1	9	-N	C	1235					E
MONT	19	1234	1245	1235	N20	W87	.979	A972	13.5	11	-B	C	1235	.52				
CAPE	19	1238	1245		N21	W87	.982	A972	13.5	7	-B	P	1238	.68				T
GRP 8987	19	1249	1256		S22	W04	.491	A984	19.2	7	-F			.62				2 2 2
CANA	19	1245	1252	1248	S21	W09	.492	A984	18.9	7	-F	C		.10	.10			100
CAPE	19	1252	1300		S22	E07	.488	A984	19.7	8	-F	P	1252	1.13	1.30			T

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 8988	19	1301	1315	1302	S27	E06	.568	A984	20.0	14	-N							2 2 2	
SALO	19	1300E	1310	1300	S27	E07	.571	A984	20.1	10D	-B	V	1300	.30 .50		1.50			
CANA	19	1302	1319	1304	S27	E04	.564	A984	19.8	17	-F	C		.10	.10		100		
GRP 8989	19	1301	1319	1307	N22	W87	.982	A972	13.5	18	-N			.32				4 4 4	
CATA	19	1215	1415	1305	N26	W87	.978	A972	13.5	120	-N		1305	.29			170		
SALO	19	1300	1315	1310	N20	W87	.979	A972	13.5	15	-N	V	1310	.40		1.70			
CAPE	19	1300	1332		N21	W82	.985	A972	13.4	32	-N	P	1319	.27				T	
CANA	19	1302	1310	1305	N21	W87	.979	A972	13.5	8	-N	C		.30	.90		200		
CAPE	19	1311	1405		N19	E37	.535	A985	21.9	54	1F	P	1318	2.31	2.70			L	
CAPE	19	1311	1405		N19	E37	.535	A985	21.9	54	-N	P	1337	1.27	1.50				
CANA	19	1537	1547	1539	N20	W87	.979	A972	13.7	10	-F	C		.10	.30		100		
CANA	19	1554	1600	1555	N21	W87	.979	A972	13.7	6	-N	C		.20	.60		200		
HALE	19	1633	1642	1638	N19	W87	.979	A972	13.7	9	-N	2 C	1638	.21					
GRP 8994	19	1726	1749	1734	S19	E79	.990	A987	25.7	23	-N			.18				2 2 2	
SACP	19	1724	1748	1734	S18	E78	.987	A987	25.6	24	-N	C		.20					
HALE	19	1727	1750	1734	S19	E79	.990	A987	25.7	23	-F	2 C	1734	.15					
GRP 8995	19	1812	1837	1818	N20	W85	.992	A972	13.4	25	-N			.56				3 3 2	
SACP	19	1809	1836	1818	N20	W85	.992	A972	13.4	27	-N	C		.70					
MAMA	19	1814	1819D	1817	N20	W87	.996	A972	13.2	50	-N	P	1817					D	
HALE	19	1814	1837	1819	N21	W84	.990	A972	13.5	23	-B	2 C	1819	.41					
GRP 8996	19	1849	1857	1851	N20	W84	.990	A972	13.5	8	-N			.44				4 4 3	
HALE	19	1847	1854	1851	N20	W84	.990	A972	13.5	7	-B	2 C	1851	.41					
MAMA	19	1849	1853	1851	N20	W87	.996	A972	13.3	4	-N	C						D	
HUAN	19	1849	1854	1851	N18	W87	.979	A972	13.8	5	-N	1 C	1851	.31				D	
SACP	19	1849	1905	1852	N20	W85	.992	A972	13.4	16	-N	C		.60					
GRP 8997	19	1918	2129	1919	N19	W85	.993	A972	13.4	131	1N			1.37				2 2 2	
HALE	19	1918	2129	1919	N19	W84	.990	A972	13.5	131	1N	2 C	1919	1.44				T	
SANM	19	1922E	1934D		N19	W85	.993	A972	13.4	12D	1N	P	1922	1.29					
GRP 8998	19	1949	2030	2001	N16	E24	.424	A985	21.6	41	-B			.98				4 4 4	
HUAN	19	1948	2025	1957	N15	E25	.434	A985	21.7	37	-B	1 C	1957	.88	.88			E	
HALE	19	1949	2034	2003	N17	E24	.429	A985	21.6	45	-B	2 C	2003	.83	.90			E	
SACP	19	1950	2029	1959	N16	E24	.424	A985	21.6	39	-N	C		1.29	1.31				
LOCK	19	2005E	2030	2005U	N14	E24	.415	A985	21.6	25D	-N	C	2005	.90	1.00		20		
HALE	20	0117	0122	0119	N19	W88	.997	A972	13.5	5	-N	1 C	0119	.21					
HALE	20	0222	0227	0222	N19	W88	.997	A972	13.5	5	-N	1 C	0222	.21				V	
GRP 9001	20	0636	0740	0637	N11	W36	.584	A989	17.6	64	-N			.27				2 2 2	
ATHN	20	0636	0645D	0637	N08	W35	.569	A989	17.6	9D	-N	2	0637	.33	.40				
CATA	20	0645	0835	0700	N14	W37	.601	A989	17.5	110	-F		0700	.20	.24		148		
CATA	20	0655	0835	0710	N23	W97	.999	A972	13.5	100	-N		0710	.18			151		
CATA	20	0845	0850	0845	N22	W97	.999	A972	13.6	5	-F		0845	.11			148		
CANA	20	0956	1010	0956U	N23	W97	.999	A972	13.7	14	-F	C		.20	.80		100	I	
CANA	20	1013	1025	1015	N23	W97	.999	A972	13.7	12	-F	C		.20	.80		100	I	
GRP 9006	20	1051	1114	1052	N17	E17	.331	A985	21.7	23	-N			.87				2 2 2	
SALO	20	1050	1100	1050	N17	E18	.345	A985	21.8	10	-N	V	1050	.42		1.40			
CAPE	20	1051	1127	1054	N17	E16	.317	A985	21.7	36	-N	C	1054	1.31	1.40			I	
CAPE	20	1124	1138	1126	S20	E77	.961	A987	25.7	14	-F	P	1126	.32	1.20				
KHAR	20	1155	1201		N21	W97	.999	A972	13.7	6	2N	P				2.86		D	
HUAN	20	1304	1319	1305	N15	E15	.287	A985	21.7	15	-F	2 C	1305	.21	.21			D	
CAPE	20	1331	1340	1334	S20	E69	.956	A987	25.7	9	-F	C	1334	.32	1.10				
HUAN	20	1426	1437	1428	S28	W17	.594	A984	19.9	11	-F	2 C	1428	.21	.22			D	
HUAN	20	1526	1542	1529	S28	W17	.598	A984	19.8	16	-F	2 C	1529	.31	.33			DH	

SOLAR FLARES

SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				MIN.	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hg		MAX. INT. %
1967 SEPT																		
GRP 9013	20	1854	1911	1857	N16	E11	.241	A985	21.6	17	-N							
MCMA	20	1854	1855D		N16	E12	.254	A985	21.7	10	-N	P	1855	.88				3 3 3
LOCK	20	1854	1910	1857	N17	E11	.252	A985	21.6	16	-N	C	1857	.72	.80		EL	
HALE	20	1854	1912	1856	N16	E09	.217	A985	21.5	18	-N	1 C	1856	.90	.93		L	
														1.03	1.10		20	
HALE	21	0013	0019	0013	S26	W27	.672	A984	19.0	6	-N	1 C	0013	.31	.40		V	
HALE	21	0019	0031	0026	S22	E62	.923	A987	25.7	12	-F	1 C	0026	.36				
HALE	21	0025	0043	0033	N12	E12	.222	A985	21.9	18	-F	1 C	0033	.36	.40		CJ	
HALE	21	0216	0243	0221	N20	E06	.245	A985	21.5	27	-B	1 C	0221	.67	.70		J	
MANI	21	0333E	0340D		N18	E06	.214	A985	21.6	7D	-N	2	0335	1.55	1.59			
ATHN	21	1100	1113	1102	N10	W53	.793	A989	17.5	13	-N	2	1102	.50	.80			
CATA	21	1210	1250	1210	S23	W35	.714	A984	18.9	40	-F		1210	.21	.30		141	
GRP 9021	21	1548	1558	1550	N10	W54	.803	A989	17.6	10	-N			.48			4 4 4	
CANA	21	1547	1557	1549	N13	W55	.813	A989	17.5	10	-N	C		.30	.50		200	
SACP	21	1549	1559	1551	N10	W53	.793	A989	17.7	10	-N	C		.40	.51		20	
LOCK	21	1549	1559	1551	N09	W54	.803	A989	17.6	10	-N	C	1551	.40	.70		20	
CAPS	21	1551E	1557		N08	W54	.804	A989	17.6	6D	-B	3	1553	.80	1.40		200	
LOCK	21	1731	1740	1734	S25	W35	.729	A984	19.1	9	-F	C	1734	.40	.60		10	
HALE	21	1732	1748	1737	S31	W46	.850	A979	18.3	16	-N	2 C	1737	.31	.60			
HALE	21	1842	1848	1844	S31	W47	.856	A979	18.3	6	-F	1 C	1844	.52	1.00			
HALE	21	1918	1926	1920	N20	E47	.735	A988	25.3	8	-F	1 C	1920	.36	.50		C	
GRP 9026	21	2215	2224	2220	N09	W67	.861	A989	17.4	9	-N			.31			2 2 2	
MANI	21	2213E	2220		N09	W67	.861	A989	17.4	7D	-F	1	2214	.31	.56		J	
HALE	21	2216	2228	2220	N09	W56	.852	A989	17.5	12	-B	2 C	2220	.31	.60			
GRP 9027	21	2325	2341	2327	N09	W67	.861	A889	17.5	16	1N			1.06			4 4 4	
MITK	21	2323E	2335	2326	N09	W67	.861	A889	17.5	12D	-N	C	2326	.62	1.20			
SACP	21	2323	2340	2328	N09	W58	.842	A889	17.6	17	1N	C		1.78	2.54			
HALE	21	2326	2333	2327	N09	W67	.861	A889	17.5	7	1B	2 C	2327	1.13	2.20		JV	
MANI	21	2326	2354		N09	W67	.861	A889	17.5	28	-F	2	2330	.72	1.32			
MITK	22	0112	0122	0115	N10	W67	.860	A989	17.5	10	-F	C	0115	.83	1.60			
GRP 9029	22	0416	0435	0419	N16	W08	.206	A985	21.6	19	-B			1.19			2 2 2	
MITK	22	0416	0434	0420	N16	W08	.206	A985	21.6	18	-B	C	0420	1.55	1.60		E	
MANI	22	0416E	0436	0418	N16	W08	.206	A985	21.6	20D	-B	2	0418	.83	.85			
CATA	22	0805	0905	0810	N27	W65	.903	A992	17.5	60	-N		0810	.23			186	
GRP 9031	22	1149	1208	1152	S23	E49	.834	A987	26.2	19	1F			1.72			2 2 1	
CAPE	22	1148	1220	1151	S21	E49	.826	A987	26.2	32	1F	C	1151	1.72	3.10			
CANA	22	1149	1156	1152	S24	E49	.839	A987	26.2	7	-F	C		.30	.50		100	
CATA	22	1200	1340	1220	N23	W66	.908	A992	17.5	100	-N		1220	.37			170	
GRP 9033	22	1300	1307	1302	S22	E48	.822	A987	26.1	7	-N			.29			3 3 3	
MCMA	22	1300E	1305	1301	S23	E48	.826	A987	26.1	5D	-F	P	1301	.21	.40		D	
CAPE	22	1300	1309	1302	S20	E48	.813	A987	26.1	9	-N	C	1302	.45	.80			
CANA	22	1301U	1308U	1303	S24	E48	.831	A987	26.1	7U	-N	C		.20	.40		200	
GRP 9034	22	1422	1448	1445	N19	W69	.927	A992	17.4	26	-F			.90			2 1 1	
CAPS	22	1422E	1440D		N14	W69	.927	A992	17.4	18D	-F	2	1423	.90			160	
CATA	22	1435	1455	1445	N23	W68	.921	A992	17.5	20	-N		1445	.13			182	
GRP 9035	22	1744	1814	1750	N21	W16	.356	A985	21.5	30	-N			.64			2 2 2	
LOCK	22	1743	1808	1750	N20	W16	.345	A985	21.5	25	-F	C	1750	.60	.70		10	
HALE	22	1745	1820	1750	N22	W16	.366	A985	21.5	35	-N	2 C	1750	.67	.70		L	
LOCK	22	1836	1857	1840	N18	W77	.933	A992	17.5	21	-F	C	1840	.30	.70		10	
GRP 9037	22	1953	2011	1957	N18	W74	.955	A992	17.3	18	-N			.68			3 3 3	
LOCK	22	1952	2009	1957	N18	W73	.949	A992	17.4	17	-N	C	1957	.50	1.30		20	
HALE	22	1953	2012	1957	N18	W73	.949	A992	17.4	19	1B	3 C	1957	1.03				
MCMA	22	1955E	2012		N18	W75	.959	A992	17.2	17D	-N	P	1957	.52	1.70		E	
HALE	22	2017	2028	2019	N17	W15	.304	A985	21.7	11	-N	2 C	2019	.15	.20			

SOLAR FLARES

SEPTEMBER 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 9039 LOCK HALE	22	2049	2128	2100	N17	W16	.318	A985	21.7	39	-F							
	22	2045	2130	2058	N17	W17	.331	A985	21.6	45	-F	C	2058	.76				10
	22	2053	2125	2101	N17	W15	.304	A985	21.7	32	-F	2 C	2101	.80 .72	.90 .80			
GRP 9040 LOCK MAMA	22	2117	2127	2119	N18	W74	.955	A992	17.3	10	-B							
	22	2116	2127	2119	N18	W73	.949	A992	17.4	11	-N	C	2119	.50	1.30		20	
	22	2117	2120D		N18	W75	.959	A992	17.3	3D	-B	P	2118	.50				
GRP 9041 LOCK HALE	22	2217	2250	2225	N18	W17	.340	A985	21.7	33	1B			2.14				
	22	2216	2250	2227	N18	W18	.353	A985	21.6	34	-N	C	2227	1.50	1.70		20	
	22	2217	2246D	2223	N17	W15	.304	A985	21.8	29D	1B	2 P	2223	2.78	2.90			
LOCK	22	2246	2257	2250	N18	W73	.949	A992	17.5	11	-F	C	2250	.20	.50		10	
LOCK	22	2307	2320	2310	N18	W73	.949	A992	17.5	13	-F	C	2310	.30	.80		10	
HALE	23	0257	0310	0259	S21	W17	.495	A983	22.4	13	-F	2 C	0259	.36	.40			
CATA	23	0715	0825	0725	N22	W79	.975	A992	17.4	70	-N		0725	.11			178	
CATA	23	0820	0925	0840	N23	W75	.959	A980	17.7	65	-N		0840	.07			155	
CAPE	23	0834	0900	0846	N11	W79	.978	A989	17.4	26	-F	C	0846	.45				
CATA	23	0925	1040	0930	N24	W87	.978	A992	17.4	75	-N		0930	.18			166	
CATA	23	1050	1115	1050	N23	W87	.978	A992	17.5	25	-B		1050	.11			370	
GRP 9050 CAPE CATA CATA	23	1154	1207	1157	N15	W76	.965	A992	17.8	13	-N			.22				
	23	1152	1203	1153	N11	W75	.961	A992	17.9	11	-F	C	1153	.32	1.20			
	23	1155	1255	1200	N19	W77	.968	A992	17.7	60	-N		1200	.11			162	
	23	1155	1210	1155	N20	W75	.959	A992	17.9	15	-F		1155	.23			138	
GRP 9051 CAPS SACP	23	1424	1436	1431	S25	W52	.865	A984	19.7	12	-N			.44				
	23	1421E	1432		S22	W58	.897	A984	19.2	11D	-N	3 C	1426	.80	1.60		164	
	23	1422	1432	1426	S28	W49	.856	A984	19.9	10	-N			.40	.58			
HUAN	23	1424	1430D		S27	W57	.858	A984	19.9	6D	-F	1 P	1425	.25	.37			
CATA	23	1430	1445	1435	S24	W51	.854	A984	19.8	15	-F		1435	.29	.59		141	
SACP	23	1440	1456	1446	N11	W78	.974	A989	17.8	16	-F	C		.30	.71			
SACP	23	1506	1518	1515	S22	W18	.559	A983	22.3	12	-N	C		.60	.63			
HALE	23	1622E	1631	1625	S26	W57	.854	A984	19.9	9D	-N	2 C	1625	.26	.50			
HALE	23	1705	1725	1706	S26	W57	.854	A984	20.0	20	-N	2 C	1706	.21	.40			
HALE	23	1831	1843	1832	N14	W87	.980	A992	17.8	12	-F	2 C	1832	.15				
HALE	23	1844	1847	1844	S27	W53	.879	A984	19.8	3	-F	2 C	1844	.21	.40			
SACP	23	2138E	2214D	2144	S28	W53	.883	A984	19.9	36D	-N	C		.30	.47			
SACP	23	2336	2355D	2344	N16	W32	.538	A985	21.6	19D	-B	C		.40	.42			
LOCK	23	2350	2359	2353	S24	W56	.889	A984	19.8	9	-F	C	2353	.40	.80		10	
HALE	24	0327	0354	0335	N18	W35	.585	A985	21.5	27	-F	1 C	0335	.15	.20			
GRP 9062 CAPE CATA TACH	24	0655	0735	0658	N18	W35	.585	A985	21.7	40	-N			1.15				
	24	0649	0745	0655	N17	W36	.595	A985	21.6	56	-N	C	0655	.77	1.00			
	24	0700	0725	0700	N21	W35	.596	A985	21.7	25	-B		0700	.86	1.08		237	
	24	0702E	0706D		N16	W35	.579	A985	21.7	4D	1F	V	0703	1.82	2.20	2.30	48	
GRP 9062 CAPE CATA	24	0704	0730	0710	N21	W41	.669	A985	21.2	26	-N			.64				
	24	0702	0735	0710	N18	W42	.674	A985	21.1	33	-F	C	0710	.81	1.10			
	24	0705	0725	0710	N23	W47	.664	A985	21.3	20	-N		0710	.46	.64		155	
GRP 9063 ATHN CATA	24	0743	0755	0744	N21	W34	.584	A985	21.8	12	-N			.62				
	24	0740	0750	0743	N20	W35	.592	A985	21.7	10	-N	2	0743	.99	1.20			
	24	0745	0800	0745	N21	W33	.571	A985	21.8	15	-N		0745	.25	.31		188	
GRP 9064 CATA ATHN CATA CAPE	24	0807	0828	0810	N23	W32	.569	A985	21.9	21	-N			.99				
	24	0805	0830	0810	N22	W32	.576	A985	21.9	25	-N		0810	.20	.24		191	
	24	0808	0820	0809	N20	W35	.592	A985	21.7	12	-N	2	0809	.99	1.20			
	24	0815	0835	0820	N30	W23	.523	A985	22.6	20	-N		0820	.13	.16		162	
	24	0902	0920	0906	S30	W53	.890	A984	20.4	18	1F	C	0906	1.45	3.20			

SOLAR FLARES
SEPTEMBER 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 9081 CAPE ATHN CATA	1967 SEPT																		
	25	1234	1245	1236	S23	W80	.994	A984	19.5	11	-N								
	25	1233	1237		S25	W80	.994	A984	19.5	4	-N	P	1234	.26					3 3 3
	25	1235	1243	1236	S24	W80	.994	A984	19.5	8	-N	2	1236	.32					
	25	1235	1255	1235	S21	W80	.993	A984	19.5	20	-N		1235	.33					193
CANA	25	1302	1316	1304	N10	E80	.982	A999	1.5	14	-F	C		.20	.60				100
GRP 9083 CANA HOUS	25	1333	1348	1336	N13	E83	.989	A999	1.8	15	-F			.20					2 2 2
	25	1332	1350	1335	N13	E80	.981	A999	1.6	18	-F	C		.20	.60				100
	25	1334	1345	1336	N13	E85	.994	A999	1.9	11	-F	C		.20	.70				100
GRP 9084 HOUS CANA HUAN HUAN HOUS HUAN	25	1401	1415	1405	N13	E83	.989	A999	1.8	14	-F			.25					3 3 3
	25	1358	1415	1405	N13	E85	.994	A999	2.0	17	-F	C		.30	1.00				100
	25	1400	1415	1405	N13	E80	.981	A999	1.6	15	-F	C		.20	.60				100
	25	1404	1414		N13	E85	.994	A999	2.0	10	-F	1 C	1407	.25					D
	25	1630	1644		N16	W54	.804	A985	21.6	14	-F	1 C	1632	.31	.40				D
	25	1655	1706	1657	S25	W90	1.001	A984	19.0	11	-N	C		.10	.40				200
HUAN	25	1713	1721		N16	W54	.804	A985	21.7	8	-F	1 C	1716	.25	.32				D
GRP 9088 LOCK HOUS HALE MCMA HOUS	25	2030	2044	2034	N09	E80	.982	A999	1.9	14	1N			.56					4 4 3
	25	2029	2043	2034	N08	E78	.975	A999	1.7	14	1N	C	2034	.70	2.20				20 H
	25	2030	2044	2035	N07	E80	.983	A999	1.9	14	-N	C		.40	1.20				200
	25	2030	2044	2034	N10	E77	.971	A999	1.6	14	1N	1 C	2034	.57					E
	25	2031	2045	2034	N09	E83	.990	A999	2.1	14	-N	C	2034						
	25	2134	2151	2136	N18	W59	.852	A985	21.5	17	-F	C		.20	.40				100
GRP 9090 HALE LOCK HOUS MANI SACP	25	2157	2238	2206	N13	E79	.977	A999	1.8	41	1N			1.16					5 5 5
	25	2157	2228	2206	N14	E77	.969	A999	1.7	31	1N	1 C	2206	.77					
	25	2157	2235	2209	N09	E78	.975	A999	1.8	38	1N	C	2209	1.10	3.40				20
	25	2158E	2200D	2159	N13	E83	.989	A999	2.1	2D	-N	C		.40	1.20				200
	25	2158E	2233	2204	N12	E77	.970	A999	1.7	35D	1N	2 C	2204	1.75	2.63				
	25	2211E	2254U	2211U	N15	E78	.973	A999	1.8	43U	1N	C		1.78	4.14				
SACP	25	2228	2238	2233	S15	E58	.879	A995	30.3	10	-N	C		.50	.77				
GRP 9092 LOCK SACP HOUS HOUS	25	2231	2255	2236	S31	W82	.998	A984	19.8	24	-N			.45					2 2 2
	25	2230	2250	2235	S34	W82	.999	A984	19.8	20	-F	C	2235	.40	1.40				10
	25	2232	2259U	2236	S27	W81	.997	A984	19.9	27U	-N	C		.50					
	25	2307	2323	2314	N18	W60	.860	A985	21.5	16	-F	C		.20	.40				100
	25	2325	2341	2331	N18	W60	.860	A985	21.5	16	-F	C		.20	.40				100
GRP 9095 SACP MANI CRON CRON CRON CRON CRON CRON CRON CATA	26	0009	0024	0015	S26	W84	.999	A984	19.7	15	-B			.26					2 2 2
	26	0009	0020D	0014	S26	W82	.997	A984	19.9	11D	-N	C		.20					
	26	0013E	0024	0015	S26	W84	1.000	A984	19.6	11D	-B	3	0015	.31	.88				
	26	0105	0116	0108	S23	W90	1.001	A984	19.3	11	-N	C		.30	1.20				200 I
	26	0133	0145	0136	N09	E80	.982	A999	2.1	12	1N	C		1.20	3.60				200 E
	26	0215	0224	0218	S22	W90	1.001	A984	19.3	9	-N	C		.20	.80				200 I
	26	0333	0401	0345	S23	W90	1.001	A984	19.4	28	-N	C		.30	1.20				200 I
	26	0453	0537	0456U	N24	W80	.978	A981	20.2	44	-F	C		.20	.60				100
	26	0503	0520	0506	S22	W90	1.001	A984	19.5	17	-F	C		.40	1.60				100 I
	26	0546	0556	0549	S22	W90	1.001	A984	19.5	10	-F	C		.40	1.60				100 I
	26	0614	0623	0616	S26	W90	1.001	A984	19.5	9	-F	C		.20	.80				100 I
	26	0640	0655	0640	N15	W51	.773	A985	22.5	15	-N		0640	.20	.31				164
GRP 9105 CATA CAPE MONT ATHN	26	0711	0739	0717	N16	W63	.885	A985	21.6	28	1B			.78					4 4 4
	26	0705	0800	0720	N15	W62	.877	A985	21.6	55	-N		0720	.31					186
	26	0711	0725	0717	N16	W63	.885	A985	21.6	14	1B	C	0717	1.13	2.40				IT
	26	0713E	0820		N14	W62	.877	A985	21.7	67D	1B	C	0713	1.03					
	26	0715	0731	0715	N17	W63	.885	A985	21.6	16	-N	2	0715	.66	1.40				

SOLAR FLARES
SEPTEMBER 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 9145	27 1967 SEPT	0920	0938	0925	N17	W75	.960	A985	21.8	18	1N									
MONI	27	0850	1000	0925	N14	W74	.956	A985	21.8	70	2B	C	0925	1.10					12 12 9	
CATA	27	0915	0940	0925	N18	W74	.955	A985	21.8	25	-B		0925	2.06					H	
CANA	27	0920	0929	0922	N16	W77	.933	A985	22.1	9	-F	C		.70					237	
CAPS	27	0920	0934		N17	W73	.950	A985	21.9	14	1B	3	C	0924	.20	.50			100	
CAPE	27	0920	0938	0923	N17	W75	.960	A985	21.8	18	-B	C	C	0923	1.10				204	
ARCE	27	0920	0940D	0925	N18	W75	.960	A985	21.8	20D	1N	C	C	0925	.51	2.20			J	
NERA	27	0920E	0927D		N14	W75	.960	A985	21.8	7D	1N	2	C		.75				TV	
ONDR	27	0921E	0940		N15	W74	.955	A985	21.8	19D	1B	V	V	0922			2.90		CJ	
LOCA	27	0922	0934	0926	N17	W75	.960	A985	21.8	12	-B	V	V	0926	.63					
KIEV	27	0922	0935	0924	N17	W80	.980	A985	21.4	13	1N	C	C	0924	2.06				75	
ATHN	27	0925E	0936	0925	N19	W75	.959	A985	21.8	11D	-N	2	C	0925	.99				DI	
ZURI	27	0927E	0931	0927	N17	W76	.964	A985	21.7	4D	-N	P	P	0927	1.10					
CAPE	27	1036	1043	1037	N16	W78	.973	A985	21.6	7	-N	C	C	1037	.51				T	
HUAN	27	1111E	1251		N15	W80	.980	A985	21.5	100D	-F	1	C	1126	.55				ET	
GRP 9148	27	1148	1215	1155	N12	E52	.782	A999	1.4	27	-N				.72					
CATA	27	1145	1230	1155	N09	E50	.761	A999	1.2	45	-N			1155	.13				3 3 2	
CAPE	27	1147	1203	1154	N14	E53	.793	A999	1.5	16	-N	C	C	1154	.77	1.30			168	
ATHN	27	1153	1212	1155	N12	E53	.793	A999	1.5	19	-N	2	C	1155	.66	1.00			FJT	
GRP 9149	27	1303	1320	1306	N17	W79	.976	A985	21.6	17	-N				.63					
HUAN	27	1256	1323	1303	N15	W80	.980	A985	21.5	27	-N	2	C	1303	.75				3 3 3	
ATHN	27	1304	1318	1308	N18	W78	.972	A985	21.7	14	-N	2	C	1308	.33				E	
CAPS	27	1308	1320		N18	W78	.972	A985	21.7	12	-N	3	C	1312	.80				164	
HUAN	27	1340	1355	1347	N14	W82	.987	A985	21.4	15	-F	1	C	1347	.31				K	
GRP 9151	27	1358	1417	1404	N14	E67	.914	A999	2.6	19	1N				1.80					
CAPE	27	1354	1421	1403	N16	E66	.907	A999	2.5	27	2N	C	C	1403	2.99	7.40			3 3 3	
ATHN	27	1359	1414	1403	N13	E70	.934	A999	2.8	15	1N	2	C	1403	1.32				FT	
CATA	27	1400	1415	1405	N13	E66	.907	A999	2.5	15	1N			1405	1.09				178	
GRP 9152	27	1416	1506	1422	N19	W79	.976	A985	21.7	50	-N				.41					
SACP	27	1412	1511	1420	N15	W78	.973	A985	21.7	59	-F	C		.30	.71				4 4 4	
CATA	27	1415	1500	1425	N26	W85	.978	A985	21.6	45	-N			1425	.33					
HUAN	27	1418	1515		N15	W80	.980	A985	21.6	57	-F	2	C	1426	.50				172	
ATHN	27	1419	1437	1420	N18	W78	.972	A985	21.7	18	-B	2	C	1420	.50				E	
ATHN	27	1445	1457	1446	N18	W78	.972	A985	21.8	12	-N	2	C	1446	.33					
GRP 9153	27	1553	1602	1555	N17	W80	.980	A985	21.7	9	-N				.50					
CAPS	27	1552E	1600		N18	W79	.976	A985	21.7	8D	-N	3	C	1557	.50				2 2 2	
HUAN	27	1553	1603	1555	N15	W80	.980	A985	21.7	10	-F	1	C	1555	.50				168	
GRP 9154	27	1839	1924	1852	N15	W82	.986	A985	21.6	45	-F				.38					
HUAN	27	1827	1838		N16	W80	.980	A985	21.8	11	-F	1	C	1831	.25				3 3 3	
SACP	27	1837	1924	1848	N14	W81	.984	A985	21.7	47	-N	C	C		.50				D	
LOCK	27	1840	1930	1855	N16	W82	.986	A985	21.6	50	-F	C	C	1855	.40	1.40			10	
HUAN	27	1840	1919		N14	W85	.994	A985	21.4	39	-F	1	C	1850	.25				J	
HALE	27	1840	1850	1843	N11	E53	.793	A999	1.8	10	-N	1	C	1843	.46	.80			D	
SACP	27	1850	1922	1914	S13	E81	.992	A004	3.9	32	1N	C	C		1.09					
	27	2250	2320		NO FLARE PATROL															
HALE	27	2320	2325		N10	W15	.261	A988	26.8	5	-N	1	P	2320	.26	.30				
	27	2355	0000		NO FLARE PATROL															
IKOM	28	0028E	0038D		N17	W90	.999	A985	21.3	10D	-F	V	V							
CRON	28	0046	0115	0049	N16	W90	.999	A985	21.3	29	1F	C	C		.80	3.20			100	
CRON	28	0046	0115	0106	N16	W90	.999	A985	21.3	29	1F	C	C		.80	3.20			100	
CRON	28	0204	0217	0209	N16	W90	.999	A985	21.3	13	1F	C	C		.80	3.20			100	
HALE	28	0321	0329D	0323	N26	W71	.939	A985	22.8	8D	-F	1	P	0323	.21				I	
GRP 9162	28	0328	0359	0338	N19	E54	.807	A002	2.2	31	1N				1.17					
CRON	28	0328	0345	0333	N19	E54	.807	A002	2.2	17	-N	C	C		1.00	1.70			3 2 2	
MANI	28	0338E	0407	0342	N19	E56	.826	A002	2.4	29D	1N	2	C	0342	1.34	2.27			200	
HALE	28	0350E	0406D	0353U	N19	E53	.797	A002	2.1	16D	1B	1	P	0353	1.55	2.60				
CRON	28	0335	0347	0339	N16	W90	.999	A985	21.4	12	1F	C	C		.80	3.20			100	

SOLAR FLARES
SEPTEMBER 1967

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
GRP 9184	1967 SEPT 29	0157	0212	0201	N10	W37	.512	R988	26.8	15	-N								3 3 3
CRON	29	0157	0209	0201	N09	W37	.526	R988	26.7	12	-F								100
HALE	29	0157	0214	0201	N10	W37	.527	R988	26.7	17	-N	2	C	0201	.41	.60			
MANI	29	0204E	0205D		N10	W37	.498	R988	26.8	10	-N	2	C	0204	.52	.58			
HALE	29	0341	0401	0348	S17	E65	.930	R004	4.0	20	-N	1	P	0348	.72				
CRON	29	0343	0347	0345U	N17	W97	.999	R985	22.4	4	-F		C		.10	.40			100
CRON	29	0355	0400	0357	N26	W97	.999	R985	22.4	5	-F		C		.20	.80			100
CRON	29	0355	0407	0358	N16	W97	.999	R985	22.4	12	-F		C		.30	1.20			100
ISTA	29	0655	0720		N31	E38	.681	R002	2.1	25	1N								
ATHN	29	0711E	0720	0711	N13	E09	.187	R998	30.0	90	-N	2		0711	.33	.30			
ARCE	29	0940	0955D	0940	N13	E06	.149	R998	29.9	150	-N		C	0940	.75	.80			E
GRP 9192	29	1031	1102	1040	N14	E06	.161	R998	29.9	31	-N				1.50				3 3 3
CATA	29	1030	1115	1040	N14	E05	.151	R998	29.8	45	-F			1040	1.18	1.19			138
CAPE	29	1032	1102	1040	N14	E05	.151	R998	29.8	30	-N		C	1040	1.67	1.70			F
ATHN	29	1038E	1050	1039	N15	E07	.185	R998	30.0	120	-N	2	I	1038	1.65	1.00			
GRP 9193	29	1542	1609	1548	N27	E87	.9781	R526	5.7	27	-N				.10				2 2 2
CANA	29	1539	1610	1546	N25	E87	.9781	R526	5.7	31	-N		C		.10	.30			200
HOUS	29	1545	1608	1549	N29	E87	.9781	R526	5.7	23	-F		C		.10	.30			100
HOUS	29	1644	1653	1649	N21	E35	.597	R002	2.3	9	-F		C		.10	.11			100
GRP 9195	29	1839	1852	1842	N27	W36	.638	R997	27.1	13	-F				.31				4 4 4
SACP	29	1836	1850	1842	N26	W35	.622	R997	27.1	14	-F		C		.39	.44			
LOCK	29	1837	1855	1840	N28	W37	.655	R997	27.0	18	-F		C	1840	.40	.50			10
HUAN	29	1840	1845D		N26	W36	.633	R997	27.1	50	-F	1	C	1842	.25	.28			D
HOUS	29	1841	1850	1843	N27	W37	.649	R997	27.0	9	-F		C		.20	.30			100
LOCK	29	1908	1923	1914	S27	E77	.989	R006	5.6	15	-F		C	1914	.40	1.20			10
GRP 9197	29	2102	2118	2106	N14	W01	.126	R998	29.8	16	-N				.40				3 3 3
SACP	29	2101	2120	2106	N14	W01	.126	R998	29.8	19	-N				.50	.49			
HOUS	29	2102	2113	2105	N13	W01	.109	R998	29.8	11	-F		C		.30	.31			100
HALE	29	2103	2120	2107	N15	W01	.143	R998	29.8	17	-N	1	C	2107	.41	.42			
HALE	29	2240	2252	2242	N14	E24	.417	R999	1.7	12	-N	1	C	2242	.21	.20			
SACP	30	0002	0027	0010	S19	E82	.996	R006	6.2	25	-N		C		.50				
CRON	30	0030E	0050	0034U	S20	E97	1.001	R006	6.8	200	-F		C		.20	.80			100
CRON	30	0107	0127	0109	S20	E97	1.001	R006	6.8	20	-F		C		.20	.80			100
CRON	30	0113	0145	0116	N27	W97	.999	R994	23.3	32	-F		C		.20	.80			100
CRON	30	0113	0145	0125	N27	W97	.999	R994	23.3	32	-F		C						J
CRON	30	0404	0411	0407	N23	E97	.999	R011	6.9	7	1N		C		.60	2.00			200
GRP 9204	30	0702	0723	0709	S23	E84	.999	R006	6.6	21	-B				.25				2 2 2
CATA	30	0700	0720	0710	S26	E85	1.000	R006	6.7	20	-N			0710	.18				151
MANI	30	0704	0725	0708	S20	E83	.997	R006	6.5	21	-B	3		0708	.31	.96			
CATA	30	0745	0805	0750	S26	E85	1.000	R006	6.7	20	-N			0750	.09				170
CANA	30	0754	0802D	0758	N18	E23	.424	R999	2.1	80	-F		C		.20	.20			100
GRP 9207	30	0910	0945	0920	S22	E87	.995	R006	6.5	35	1N				3.09				2 2 1
CATA	30	0910	0945	0920	S26	E85	1.000	R006	6.8	35	-N			0920	.09				182
WEND	30	0912E	0938D		S18	E77	.984	R006	6.2	260	1N		P		3.09				
CATA	30	0950	1000	0950	N17	E27	.474	R999	2.4	10	-F			0950	.27	.31			145
ONDR	30	1030E	1038		S21	E87	.993	R006	6.4	80	-N		V	1031			2.70		CDJ
HUAN	30	1112E	1117		S21	E87	1.000	R006	7.0	50	-F	2	P	1113	.35				T
HUAN	30	1137	1145	1140	S21	E87	1.000	R006	7.0	8	-F	2	C	1140	.25				D
CATA	30	1145	1150	1145	N16	E37	.526	R999	2.8	5	-N			1145	.29	.35			174

SOLAR FLARES
SEPTEMBER 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 SEPT																	
CATA	30	1145	1210	1150	N17	E24	.432	R999	2.3	25	-N		1150	.20	.21		172	
HUAN	30	1148	1203	1150	S21	E87	1.000	Q006	7.0	15	-N	2	C	1150	.25			D
CATA	30	1210	1225	1210	N15	W17	.222	R998	29.8	15	-N		1210	.18	.18		170	
GRP 9216	30	1255	1344	1312	N16	E16	.312	R999	1.7	49	1N			3.23				5 4 4
CATA	30	1250	1400	1305	N13	E19	.337	R999	2.0	70	-N		1305	1.68	1.80		195	
CATA	30	1300	1400	1305	N17	E16	.320	R999	1.7	60	-B		1305	.96	1.01		209	
CATA	30	1300	1315	1305	N12	E09	.179	R999	1.2	15	-N		1305	.42	.44		168	
CAPS	30	1303E	1337		N15	E13	.262	R999	1.5	340	2F	3	1304	4.70	5.10		180	
ATHN	30	1307E	1333	1307	N20	E20	.398	R999	2.0	260	1N	3	1307	3.67	4.80			
HUAN	30	1308E	1344D		N17	E17	.334	R999	1.8	360	1N	1	1309	3.15	3.15			I
SACP	30	1323E	1402	1323E	N16	E17	.326	R999	1.8	390	1N			3.90	3.86			
GRP 9217	30	1339	1415	1346	S19	E77	.985	Q006	6.3	36	1N			.65				2 2 2
SACP	30	1339	1405	1346	S19	E73	.972	Q006	6.0	26	-F			.59	1.35			
SALO	30	1350	1425	1400	S18	E80	.992	Q006	6.6	35	1B		1400	.70		1.70		
GRP 9218	30	1405	1425	1408	S16	E45	.766	Q004	4.0	20	-N			.31				2 2 2
CATA	30	1400	1435	1405	S18	E44	.766	Q004	3.9	35	-N		1405	.11	.18		158	
SALO	30	1410	1415	1410	S14	E45	.758	Q004	4.0	5	-N		1410	.50		1.40		
GRP 9219	30	1444	1532		S20	E81	.994	Q006	6.7	48	-N			.31				2 2 1
HUAN	30	1444E	1532		S20	E84	.998	Q006	6.9	480	-N	1	P	1446	.31			D
MEUD	30	1455E	1457D		S20	E78	.988	Q006	6.5	20	-N							CD
GRP 9220	30	1500	1532		S18	E79	.990	Q006	6.6	32	1N			.80				2 2 1
CAPS	30	1500E	1532		S16	E80	.991	Q006	6.6	320	1N	2		1517	.80			160
MEUD	30	1505E	1505D		S20	E78	.988	Q006	6.5		-F							D
MEUD	30	1510E	1516D		S20	E78	.988	Q006	6.5	60	-F							D
HUAN	30	1602	1613		N14	W12	.239	R998	29.8	11	-F	1	C	1607	.31	.31		D
HUAN	30	1616	1628		S20	E82	.996	Q006	6.8	12	-F	1	C	1619	.25			D
GRP 9223	30	1655	1703	1658	N27	W48	.764	R997	27.1	8	-F			.45				2 2 2
CANA	30	1653	1703	1656	N27	W48	.764	R997	27.1	10	-F			.30	.50		100	
SACP	30	1657	1702	1659	N26	W47	.751	R997	27.2	5	-F			.59	.72			
HOUS	30	1656	1707	1659	S40	W25	.769	Q000	29.2	11	-F			.40	.60		100	
GRP 9225	30	1759	1809	1801	S16	E43	.746	Q004	4.0	10	-F			.38				2 2 2
HOUS	30	1759	1811	1801	S17	E41	.731	Q004	3.8	12	-F			.30	.40		100	
HUAN	30	1801E	1807		S15	E44	.752	Q004	4.1	60	-F	1	C	1802	.45	.56		E
GRP 9226	30	1848	1909	1853	N17	E18	.348	R999	2.1	21	-F			.80				2 2 2
LOCK	30	1845	1910	1852	N16	E18	.340	R999	2.1	25	-F		C	1852	.70	.80		10
HOUS	30	1850	1907	1853	N17	E17	.334	R999	2.1	17	-F			.90	.93		100	
HOUS	30	1938	1946	1943	S19	E85	.992	Q006	6.8	8	-F			.10	.30		100	
LOCK	30	2210	2222	2215	N28	E56	.838	Q011	5.1	12	-F		C	2215	.30	.50		10

Remarks

- A = Eruptive prominence, base at >90°.
- B = Probably the end of a more important flare.
- C = Invisible 10 minutes before.
- D = Brilliant point.
- E = Two or more brilliant points.
- F = Several eruptive centers.
- G = No spots visible in the neighborhood.
- H = Flare with high velocity dark surge.
- I = Very extensive active region.
- J = Plage with flare shows marked intensity variations.
- K = Several intensity maxima.
- L = Filaments show effects of sudden activation.
- M = White-light flare.
- N = Continuous spectrum shows effects of polarization.
- O = Observations have been made in the calcium II lines H or K.
- P = Flare shows helium D₃ in emission.
- Q = Flare shows the Balmer continuum in emission.
- R = Marked asymmetry in H α line.
- S = Brightening follows disappearance of filament.
- T = Region active all day.
- U = Close and somewhat parallel bright filaments.
- V = Occurrence of an explosive phase.
- W = Great increase in area after time of maximum intensity.
- X = Unusually wide H α emission.
- Y = Onset of a system of loop-type prominences.
- Z = Major sunspot umbra covered by flare.