SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4744	01	0003	0004		S23	W68	.922	8739	26.9	1	-N				.21				1 1
HALE	01	0003	0004D		S23	W68	.922	8739	26.9	1D	-N	2	P	0004	.21				
GRP 4745	01	0004	0004		S21	W03	.254	8745	31.8		-F				.10				1 1
HALE	01	0004	0004D		S21	W03	.254	8745	31.8		-F	2	P	0004	.10	.11			
GRP 4746	01	0010	0032	0013	N23	W62	.923	8740	27.4	22	1N				1.13				1 1
MANI	01	0010E	0032	0013	N23	W62	.923	8740	27.4	22D	1N	2		0013	1.13	2.35			
GRP 4747	01	0010	0043	0016	S22	W68	.922	8739	26.9	33	2B				2.06				2 2
MITK	01	0010	0035	0015	S23	W68	.922	8739	26.9	25	2N		C	0015	2.37				F
MANI	01	0010E	0051	0016	S21	W67	.915	8739	27.0	41D	1B	2		0016	1.75	3.57			
GRP 4748	01	0120	0135	0120	N23	W74	.978	8740	26.5	15	1N				1.82				3 3
SIBE	01	0103	0126	0116	N19	W73	.971	8740	26.6	23	1F		C	0116	3.71			80	D
MANI	01	0119	0145	0122	N27	W75	.984	8740	26.4	26	1B	2		0122	1.03	2.65			
MITK	01	0120	0135	0123	N24	W75	.982	8740	26.4	15	1N		C	0123	.72				E
GRP 4749	01	0151	0213	0200	N19	W67	.944	8740	27.1	22	1B				1.14				2 2
MITK	01	0151	0204D	0157	N18	W68	.948	8740	27.0	13D	1N		C	0157	1.44				
MANI	01	0158E	0213	0202	N19	W66	.939	8740	27.1	15D	-B	2		0202	.83	1.77			
GRP 4750	01	0156	0217	0157	N18	E45	.774	8752	4.5	21	-N				.62				2 2
MITK	01	0156	0214D	0157	N18	E45	.774	8752	4.5	18D	-N		C	0157	.72	1.10			
MANI	01	0158E	0217		N17	E45	.770	8752	4.5	19D	-F	2		0200	.52	.80			
GRP 4751	01	0238	0257	0244	N19	W70	.959	8740	26.9	19	1N				1.39				2 2
MANI	01	0236	0302		N19	W67	.944	8740	27.1	26	1N	2		0238	1.44	3.10			
MITK	01	0240	0252	0244	N18	W72	.966	8740	26.7	12	1N		C	0244	1.34				
GRP 4752	01	0319	0407	0342	N18	W71	.962	8740	26.8	48	1B				1.26				2 2
MITK	01	0314	0327	0317	N18	W70	.958	8740	26.9	13	1B		C	0317	.93				
KODA	01	0324	0435	0350	N18	W70	.958	8740	26.9	71	1B		V	0354	.96		4.68		EK
MITK	01	0330	0339	0333	N18	W73	.971	8740	26.7	9	1N		C	0333	1.55				
GRP 4753	01	0348	0402	0350	N20	W70	.960	8740	26.9	14	1B				.98				2 2
MITK	01	0347	0400	0349	N19	W73	.971	8740	26.7	13	1B		C	0349	1.44				
MANI	01	0348	0403	0351	N20	W67	.945	8740	27.1	15	-B	2		0351	.52	1.10			
GRP 4754	01	0452	0522	0520	N18	W70	.958	8740	27.0	30	-B				.64				1 1
KODA	01	0452	0522	0520	N18	W70	.958	8740	27.0	30	-B		V	0515	.64		2.48		EJ
GRP 4755	01	0537	0556	0543	N23	W72	.971	8740	26.8	19	1B				.84				2 2
ATHN	01	0535E	0557	0542	N25	W75	.983	8740	26.6	22D	1B	1		0542	1.16		2.00		
MANI	01	0538	0554	0543	N20	W69	.955	8740	27.1	16	-N	2		0543	.52	1.16			
GRP 4756	01	0618	0633	0621	N19	W71	.963	8740	26.9	15	1B				1.64				5 4
MANI	01	0617	0635	0620	N19	W68	.949	8740	27.2	18	1B	2		0620	1.55	3.36			
MITK	01	0618	0630	0622	N19	W73	.971	8740	26.8	12	1B		C	0622	1.03				
ATHN	01	0619	0630	0621	N20	W70	.960	8740	27.0	11	1B	2		0621	1.98		2.00		
ONDR	01	0620E	0634		N19	W70	.959	8740	27.0	14D	1B		V	0622			7.70		AC
CAPS	01	0622E	0635D		N19	W73	.971	8740	26.8	13D	1N	2		0626	2.00			200	
GRP 4757	01	0632	0705	0638	S21	W06	.268	8745	31.8	33	1N				4.50				2 1
ATHN	01	0632	0643	0638	S21	W06	.268	8745	31.8	11	-F	2		0638	.83	.82	1.40		
CAPS	01	0632	0726D		S20	W06	.253	8745	31.8	54D	2N	2		0635	4.50	4.70		176	
GRP 4758	01	0647	0724	0657	S20	W07	.260	8745	31.8	37	2N				4.55				4 3
SIBE	01	0640E	0714	0656	S21	W06	.268	8745	31.8	34D	1F		C	0656	4.55	4.90		64	F
ONDR	01	0650E	0710D		S20	W08	.268	8745	31.7	20D	2F		V	0654			2.10		CHJ
ATHN	01	0650	0717	0653	S20	W06	.253	8745	31.8	27	1N	2		0653	3.96	4.10	1.50		
CAPE	01	0658E	0740	0702	S20	W08	.268	8745	31.7	42D	2N		C	0702	5.15	5.30			B
GRP 4759	01	0713	0724	0715	S22	W73	.950	8739	26.8	11	-N				.40				1 1
CAPE	01	0713	0724	0715	S22	W73	.950	8739	26.8	11	-N		C	0715	.40	1.30			
GRP 4760	01	0740	0751		S24	W71	.940	8739	27.0	11	1B				.58				2 1
ONDR	01	0740E	0746D		S24	W69	.928	8739	27.1	6D	1B		V	0742			4.70		CH
CAPE	01	0740E	0751		S24	W72	.945	8739	26.9	11D	-N		P	0740	.58	1.70			
GRP 4761	01	0815	0839	0824	S20	W07	.260	8745	31.8	24	1N				2.56				7 5
ARCE	01	0810	0850	0825	S19	W08	.253	8745	31.7	40	1N		C	0825	3.85	4.00			F
ONDR	01	0817E	0847		S22	W08	.297	8745	31.7	30D	1F		V	0820			2.00		CH
SIBE	01	0818	0832	0820	S21	W07	.275	8745	31.8	14	-N		C	0820	1.90	2.00		92	C
ATHN	01	0823E	0832D		S20	W07	.260	8745	31.8	9D	1N	2		0828	3.14	3.20	1.70		
CAPS	01	0824E	0827D		S20	W06	.253	8745	31.9	3D	1N	2		0825	3.00	3.10			
CATA	01	0826E	0830D	0826	S20	W07	.260	8745	31.8	4D	-B			0826	.92	.90		282	
MANI	01	0830E	0835D		S18	W09	.249	8745	31.7	5D	-N	1		0832	.31	.32			
GRP 4762	01	0835	0857	0837	N19	W74	.975	8740	26.8	22	1B				.82				6 4
SIBE	01	0835	0845	0835	N19	W75	.979	8740	26.7	10	-N		C	0835	1.33			110	C
MANI	01	0835E	0855		N17	W74	.974	8740	26.8	20D	-B	1		0837	.62	1.50			
ARCE	01	0835	0905	0840	N20	W78	.988	8740	26.5	30	1N		C	0840	.69	2.10			
ONDR	01	0835E	0905		N19	W72	.967	8740	27.0	30D	1B		V	0842			5.50		ACHJ
CATA	01	0835E	0945D	0835	N21	W72	.969	8740	27.0	70D	1B			0835	.64			371	
CAPS	01	0839E	0853D		N19	W75	.979	8740	26.7	14D	1N	1							H
GRP 4763	01	0843	0912		N18	E68	.948	8752	6.5	29	-B				1.00				1 1
MONT	01	0843E	0912D		N18	E68	.948	8752	6.5	29D	-B		C		1.00				O
GRP 4764	01	1005	1055	1025	S21	W72	.945	8739	27.0	50	1N				2.62				3 2
SALO	01	1005	1045	1025	S18	W72	.945	8739	27.0	40	-N		V	1020		.88	1.30		
ATHN	01	1023E	1101		S21	W75	.960	8739	26.8	38D	2B	1		1027	2.64		2.00		
CAPS	01	1026E	1058D		S23	W70	.934	8739	27.2	32D	2F	2		1027	2.60			153	KW

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4765	01	1028	1103		S23	W68	.922	8739	27.3	35	2F				4.60				2 1
CAPS	01	1026E	1058D		S23	W70	.934	8739	27.2	32D	2F			1047	4.60				
ONDR	01	1030E	1103		S23	W66	.909	8739	27.5	33D	2F		V	1048			2.30		AH
	01	1130	1135	NO FLARE PATROL															
GRP 4766	01	1226	1234	1230	N19	W72	.967	8740	27.1	8	-N				.40				2 1
CAPS	01	1224E	1228D		N19	W70	.959	8740	27.3	4D	-F	3		1226	.40				D
ONDR	01	1228E	1234	1230	N19	W74	.975	8740	27.0	6D	-B		V	1230			7.10		ADHJ
GRP 4767	01	1235	1250		N18	W75	.978	8740	26.9	15	1N				1.18				1 1
CAPF	01	1235E	1250D		N18	W75	.978	8740	26.9	15D	1N		V	1242	1.18				H
GRP 4768	01	1312	1324	1314	N20	W80	.992	8740	26.6	12	-N				.35				2 2
CAPE	01	1312	1326	1314	N20	W80	.992	8740	26.5	14	-N		C	1314	.45				I
HUAN	01	1313E	1322		N19	W80	.992	8740	26.6	9D	-N	1	P	1315	.25				D
GRP 4769	01	1321	1330	1323	S24	W71	.940	8739	27.2	9	-N				.39				3 3
HUAN	01	1320	1329	1323	S25	W71	.940	8739	27.2	9	-N	2	C	1323	.31				D
CAPS	01	1321E	1327D		S23	W70	.934	8739	27.3	6D	-F	2		1324	.40				
CAPE	01	1321	1331	1323	S24	W72	.945	8739	27.2	10	-N		C	1323	.45	1.30			
GRP 4770	01	1340	1346	1341	N20	W80	.992	8740	26.6	6	-F				.31				1 1
CAPE	01	1340	1346	1341	N20	W80	.992	8740	26.6	6	-F		C	1341	.31				I
GRP 4771	01	1410	1424		N20	W79	.990	8740	26.7	14	1B				1.01				5 4
CAPF	01	1407E	1420D		N22	W77	.986	8740	26.8	13D	1N		V	1411	1.18				H
ONDR	01	1409E	1428D		N19	W75	.979	8740	27.0	19D	1B		V	1413			9.40		AHJ
CAPE	01	1411	1413D		N20	W85	.999	8740	26.2	2D	-B		P	1413	1.17				I
CAPS	01	1411	1425D		N19	W75	.979	8740	27.0	14D	1B	1		1412	.80				
HUAN	01	1414E	1433D		N21	W85	.999	8740	26.2	19D	1N	1	P	1417	.88				E
GRP 4772	01	1416	1427		S25	W74	.955	8739	27.0	11	2N				2.56				2 2
HUAN	01	1414E	1427		S25	W72	.945	8739	27.2	13D	1N	1	P	1422	2.12				E
CAPS	01	1418	1425D		S24	W75	.960	8739	27.0	7D	2N	1		1424	3.00				
	01	1435	1445	NO FLARE PATROL															
	01	1450	1505	NO FLARE PATROL															
	01	1520	1610	NO FLARE PATROL															
GRP 4773	01	1608	1616	1610	N18	W90	1.001	8740	25.9	8	-N				.20				1 1
HOUS	01	1608	1616	1610	N18	W90	1.001	8740	25.9	8	-N		C		.20	.80		200	
GRP 4774	01	1618	1636	1621	N20	W85	.999	8740	26.3	18	-N				.20				1 1
HOUS	01	1618	1636	1621	N20	W85	.999	8740	26.3	18	-N		C		.20	.70		200	E
GRP 4775	01	1659	1727	1705	S25	W76	.964	8739	27.0	28	-N				.53				2 2
HOUS	01	1659	1727	1705	S24	W76	.964	8739	27.0	28	-N		C		.50	1.30		200	
HUAN	01	1705E	1712D		S25	W75	.960	8739	27.1	7D	-F	1	P	1707	.55				D
	01	1740	1745	NO FLARE PATROL															
	01	1755	1800	NO FLARE PATROL															
GRP 4776	01	1800	1809	1801	S21	W83	.988	8739	26.5	9	-N				.20				1 1
HOUS	01	1800	1809	1801	S21	W83	.988	8739	26.5	9	-N		C		.20	.60		200	
GRP 4777	01	1804	1833	1816	S25	W76	.964	8739	27.1	29	1N				1.10				1 1
HOUS	01	1804	1833	1816	S25	W76	.964	8739	27.1	29	1N		C		1.10	2.90		200	E
GRP 4778	01	1853	1925	1900	N17	W82	.995	8740	26.6	32	-N				.21				2 2
HALE	01	1850E	1920D	1901U	N17	W79	.989	8740	26.9	30D	-N	1	P	1901	.21				
HOUS	01	1856	1925	1858	N17	W85	.999	8740	26.4	29	-N		C		.20	.70		200	J
GRP 4779	01	1928	1944	1933	N17	W85	.999	8740	26.4	16	-N				.20				1 1
HOUS	01	1928	1944	1933	N17	W85	.999	8740	26.4	16	-N		C		.20	.70		200	J
GRP 4780	01	1946	2018	2004	S21	W90	.999	8739	26.1	32	1N				.50				1 1
HOUS	01	1946	2018	2004	S21	W90	.999	8739	26.1	32	1N		C		.50	2.00		200	I
	01	2020	2050	NO FLARE PATROL															
GRP 4781	01	2058	2244	2130	N28	E11	.590	8751	2.7	106	1N				4.95				3 3
CULG	01	2058	2307	2131	N27	E10	.572	8751	2.6	129	1N		P		3.51	4.25			CFS
SACP	01	2108U	2220	2128U	N29	E10	.599	8751	2.6	72U	2N		C		7.59	8.23			
HUAN	01	2130E	2156D		N28	E13	.598	8751	2.9	26D	1F	1	P	2133	3.76	4.13			EK
GRP 4782	01	2229	2259	2237	N21	E54	.864	8752	6.0	30	-N				.52				1 1
CULG	01	2229	2259	2237	N21	E54	.864	8752	6.0	30	-N		C		.52	1.00			CL
GRP 4783	01	2250	2313	2252	S28	W78	.972	8739	27.1	23	1N				1.42				3 3
CULG	01	2236	2356	2240	S26	W76	.964	8739	27.2	80	1N		C		1.34				
HALE	01	2247E	2307	2251	S35	W75	.961	8739	27.3	20D	1B	2	P	2251	1.13				
MANI	01	2252E	2319	2253	S22	W82	.985	8739	26.8	27D	1F	1		2253	1.80	4.83			
GRP 4784	01	2310	2330	2312	S18	E16	.331	8745	3.2	20	-F				.21				1 1
HALE	01	2310	2330	2312	S18	E16	.331	8745	3.2	20	-F	1	C	2312	.21	.21			
GRP 4785	01	2325	2333	2329	N19	W79	.990	8740	27.1	8	-F				.21				1 1
HALE	01	2325	2333	2329	N19	W79	.990	8740	27.1	8	-F	1	C	2329	.21				
GRP 4786	02	0117	0217	0130	N21	E51	.840	8752	5.9	60	-N				.62				1 1
CULG	02	0117	0217	0130	N21	E51	.840	8752	5.9	60	-N		C		.62	1.14			H
GRP 4787	02	0135	0215	0200	S22	W83	.988	8739	26.8	40	1N				1.03				1 1
MANI	02	0135	0215	0200	S22	W83	.988	8739	26.8	40	1N	2		0200	1.03	2.82			
GRP 4788	02	0236	0302	0236	S23	W77	.968	8739	27.3	26	-N				.62				1 1
MANI	02	0236E	0302	0236	S23	W77	.968	8739	27.3	26D	-N	2		0236	.62	1.44			
GRP 4789	02	0307	0331	0312	S24	W77	.968	8739	27.4	24	-N				.46				1 1
MANI	02	0307	0331	0312	S24	W77	.968	8739	27.4	24	-N	2		0312	.46	1.08			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4790	02	0408	0439	0422	N24	W86	1.000	8740	26.7	31	1N				.93				3 3
CULG	02	0404	0432	0425	N25	W86	1.000	8740	26.7	28	1N		C		1.13				Y
HALE	02	0407	0431D	0418	N26	W87	1.000	8740	26.6	24D	1N	2	P	0418	.72				F
MANI	02	0413	0445	0423	N21	W84	.998	8740	26.9	32	1N	2		0423	.93	2.78			
GRP 4791	02	0436	0542	0439	N18	W55	.862	8741	29.1	66	-N				.41				1 1
MANI	02	0436	0542	0439	N18	W55	.862	8741	29.1	66	-N	2		0439	.41	.72			
GRP 4792	02	0436	0517	0449	S22	W78	.972	8739	27.3	41	-B				.83				1 1
MANI	02	0436	0517	0449	S22	W78	.972	8739	27.3	41	-B	2		0449	.83	1.95			
GRP 4793	02	0504	0516	0504	N19	W80	.992	8740	27.2	12	1N				.96				1 1
KODA	02	0504E	0516	0504	N19	W80	.992	8740	27.2	12D	1N		S	0507	.96		1.92		BI
GRP 4794	02	0526	0555		S22	W78	.972	8739	27.4	29	1F				1.03				1 1
MANI	02	0526	0555		S22	W78	.972	8739	27.4	29	1F	1		0528	1.03	2.44			
GRP 4795	02	0613	0639	0624	S21	W20	.410	8745	31.8	26	-F				1.28				3 3
CULG	02	0603	0638	0622	S23	W19	.417	8745	31.8	35	-F		C		.72	.77			
ATHN	02	0618	0639	0624	S19	W20	.393	8745	31.8	21	1F	1		0624	1.98	2.10	1.40		
MANI	02	0618	0640	0625	S20	W21	.414	8745	31.7	22	-F	1		0625	1.13	1.24			
GRP 4796	02	0718	0736	0722	N18	W57	.877	8741	29.0	18	-F				.76				1 1
CAPE	02	0718	0736	0722	N18	W57	.877	8741	29.0	18	-F		C	0722	.76	1.50			I
GRP 4797	02	0759	0843	0823	S24	W79	.976	8739	27.4	44	1N				1.66				7 6
ISTA	02	0710E	0835		S24	W77	.968	8739	27.5	85D	1N								
CAPS	02	0755E	0843		S20	W80	.980	8739	27.3	48D	2N	2		0825	2.00			230	
MONT	02	0803E	0840		S26	W80	.979	8739	27.3	37D	1B		C	0820	1.24				TO
ATHN	02	0810E	0900	0823	S23	W78	.972	8739	27.5	50D	2N	1		0823	2.31		2.00		
CAPE	02	0811	0845	0825	S24	W81	.982	8739	27.3	34	2N		C	0825	2.25				
MANI	02	0818	0834	0820	S22	W77	.968	8739	27.6	16	-B	2		0820	.62	1.41			
ARCE	02	0820	0845	0825	S25	W80	.979	8739	27.3	25	1N		C	0825	1.57	5.00			
GRP 4798	02	0926	0933	0928	N23	E49	.831	8752	6.1	7	-F				.45				1 1
CAPE	02	0926	0933	0928	N23	E49	.831	8752	6.1	7	-F		C	0928	.45	.80			C
GRP 4799	02	0932	1002	0944	S24	W81	.982	8739	27.3	30	1N				.72				5 4
MONT	02	0925	1000	0940	S26	W81	.982	8739	27.3	35	1N		C	0940	1.00				TO
ARCE	02	0930	1000D	0950	S26	W81	.982	8739	27.3	30D	1N		C	0950	.69	2.30			
SALO	02	0930	1015		S20	W80	.980	8739	27.4	45	1N		V	0940		2.00	1.70		
MANI	02	0934	0957	0939	S22	W80	.979	8739	27.4	23	-N	2		0939	.31	.80			
CAPE	02	0940	0956	0946	S24	W83	.988	8739	27.2	16	-N		C	0946	.89				
GRP 4800	02	1004	1025	1011	N31	W77	.991	8740	27.6	21	-N				.49				3 2
SALO	02	1000	1030		N32	W80	.996	8740	27.4	30	-N		V	1010		1.66	1.50		
CAPE	02	1005	1020	1011	N30	W80	.996	8740	27.4	15	-N		C	1011	.58				
CAPS	02	1006	1018D		N30	W71	.975	8740	28.1	12D	-F	3		1012	.40				
GRP 4801	02	1043	1052	1046	S21	W22	.435	8745	31.8	9	-F				.22				1 1
CAPE	02	1043	1052	1046	S21	W22	.435	8745	31.8	9	-F		C	1046	.22	.20			
GRP 4802	02	1055	1151	1121	S24	W81	.982	8739	27.4	56	1N				1.42				4 4
MONT	02	1055	1215D		S26	W81	.982	8739	27.4	80D	1B		C	1120	1.00				TO
CAPE	02	1116	1150	1121	S23	W83	.988	8739	27.2	34	1N		C	1121	1.53				
CAPS	02	1118E	1150		S23	W80	.979	8739	27.5	32D	2N	2		1121	2.50				C
ATHN	02	1120E	1129	1120	S22	W80	.979	8739	27.5	9D	-N	2		1120	.66		1.80		
GRP 4803	02	1100	1104	1100	N19	W90	1.001	8740	26.7	4	-N				.40				1 1
CAPE	02	1100	1104	1100	N19	W90	1.001	8740	26.7	4	-N		C	1100	.40				I
GRP 4804	02	1122	1138	1132	N19	W90	1.001	8740	26.7	16	-N				.31				1 1
CAPE	02	1122	1138	1132	N19	W90	1.001	8740	26.7	16	-N		C	1132	.31				I
GRP 4805	02	1230	1246	1232	S21	W23	.447	8745	31.8	16	-F				1.05				1 1
CAPE	02	1230	1246	1232	S21	W23	.447	8745	31.8	16	-F		C	1232	1.05	1.20			
GRP 4806	02	1256	1306	1258	N30	W81	.997	8740	27.5	10	-N				.27				1 1
CAPE	02	1256	1306	1258	N30	W81	.997	8740	27.5	10	-N		C	1258	.27				
GRP 4807	02	1320	1338	1322	S20	W88	.997	8739	27.0	18	1B				1.13				4 3
ONDR	02	1319E	1329		S21	W83	.988	8739	27.3	10D	-B		V	1321			4.90		ACL
HOUS	02	1320	1342	1322	S20	W90	.999	8739	26.8	22	1N		C		1.00	4.00		200	I
CAPS	02	1321E	1325D		S16	W90	1.000	8739	26.8	4D	1N	3		1321	1.50				DH
CAPE	02	1321	1343	1322	S21	W90	.999	8739	26.8	22	-B		C	1322	.89				AV
GRP 4808	02	1347	1406	1351	N20	W90	1.001	8740	26.8	19	-N				.28				2 2
HOUS	02	1347	1355	1351	N20	W90	1.001	8740	26.8	8	-N		C		.20	.80		200	
CAPE	02	1347	1404	1351	N19	W90	1.001	8740	26.8	17	-N		C	1351	.36				IK
CAPE	02	1347	1404	1400	N19	W90	1.001	8740	26.8	17	-N			1400	.45				
HOUS	02	1355	1408	1359	N20	W90	1.001	8740	26.8	13	-N		C		.20	.80		200	
GRP 4809	02	1454	1511	1459	N30	W80	.996	8740	27.6	17	-N				.20				1 1
HOUS	02	1454	1511	1459	N30	W80	.996	8740	27.6	17	-N		C		.20	.70		200	
GRP 4810	02	1517	1552	1530	S22	W87	.996	8739	27.1	35	1N				.83				2 2
CAPF	02	1505E	1555D		S23	W84	.990	8739	27.3	50D	1N		P	1508	1.46				H
HOUS	02	1529	1533	1530	S19	W90	.999	8739	26.9	4	-N		C		.20	.80		200	I
HOUS	02	1538	1548	1540	S21	W90	.999	8739	26.9	10	-F		C		.10	.30		100	I
GRP 4811	02	1524	1539	1527	S22	E77	.968	8758	8.4	15	-N				.20				1 1
HOUS	02	1524	1539	1527	S22	E77	.968	8758	8.4	15	-N		C		.20	.60		200	
GRP 4812	02	1551	1620	1555	S25	W90	.999	8739	26.9	29	-N				.20				2 1
HOUS	02	1550	1620	1555	S24	W90	.999	8739	26.9	30	-N		C		.20	.70		200	I
MCMA	02	1552	1601D	1555	S25	W90	.999	8739	26.9	9D	-F		C	1555					D

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4813	02	1630	1704	1642	S25	W90	.999	8739	26.9	34	-N				.75				3 2
SACP	02	1629	1718	1642U	S24	W89	.998	8739	27.0	49	1N		C		1.20				
HOUS	02	1631	1700D	1643	S25	W90	.999	8739	26.9	29D	-B		C		.30	1.20		300	EI
MCMA	02	1637E	1654	1642	S25	W90	.999	8739	26.9	17D	-N		C	1642					D
GRP 4814	02	1701	1718	1704	S25	W86	.994	8739	27.3	17	-N				.40				2 1
LOCK	02	1700	1720	1704	S25	W82	.985	8739	27.6	20	-F		C	1704	.40	1.40		10	
MCMA	02	1701	1716		S25	W90	.999	8739	27.0	15	-N		C	1704					E
GRP 4815	02	1933	1956	1941	S26	W85	.992	8739	27.4	23	-N				.20				2 2
HOUS	02	1930	1956	1943	S24	W90	.999	8739	27.1	26	-N		C		.20	.80		200	I
LOCK	02	1935	1946D	1938	S27	W79	.975	8739	27.9	11D	-F		C	1938	.20	.70		10	H
GRP 4816	02	2009	2113	2020	S24	W90	.999	8739	27.1	64	1N				.60				1 1
HOUS	02	2009	2113	2020	S24	W90	.999	8739	27.1	64	1N		C		.60	2.40		200	EI
GRP 4817	02	2058	2104	2100	S22	W13	.341	8745	1.9	6	-F				.15				1 1
HALE	02	2058	2104	2100	S22	W13	.341	8745	1.9	6	-F	1	C	2100	.15	.20			
GRP 4818	02	2131	2137	2134	N16	W90	1.000	8740	27.1	6	-F				.10				1 1
LOCK	02	2131	2137	2134	N16	W90	1.000	8740	27.1	6	-F		C	2134	.10	.40		10	
GRP 4819	02	2155	2220	2155	N18	E23	.550	8752	4.6	25	-F				.50				1 1
LOCK	02	2155E	2220U	2155U	N18	E23	.550	8752	4.6	25U	-F		C	2155	.50	.60		10	
GRP 4820	02	2205	2218	2211	S21	W90	.999	8739	27.2	13	-F				.20				1 1
HOUS	02	2205	2218	2211	S21	W90	.999	8739	27.2	13	-F		C		.20	.80		100	EI
GRP 4821	02	2235	2259	2259	N18	E23	.550	8752	4.7	24	-F				.21				1 1
HALE	02	2235	2259D	2259D	N18	E23	.550	8752	4.7	24D	-F	1	P	2259	.21	.21			F
GRP 4822	02	2236	2246	2239	N35	W03	.664	8751	2.7	10	-N				.20				1 1
HOUS	02	2236	2246	2239	N35	W03	.664	8751	2.7	10	-N		C		.20	.30		200	K
GRP 4823	02	2315	2322	2315	S26	W79	.975	8743	28.0	7	-F				.20				1 1
LOCK	02	2315E	2322D	2315E	S26	W79	.975	8743	28.0	7D	-F		C	2315	.20	.60		10	
GRP 4824	03	0035	0052	0039	S25	W89	.998	8739	27.3	17	-N				.33				2 2
MANI	03	0034E	0055	0038	S23	W87	.996	8739	27.5	21D	-B	2		0038	.36	1.08			
LOCK	03	0036	0048	0040	S27	W90	.999	8739	27.3	12	-F		C	0040	.30	1.20		10	H
GRP 4825	03	0358	0418		S16	W90	1.000	8743	27.4	20	-N				.21				1 1
MANI	03	0358E	0418		S16	W90	1.000	8743	27.4	20D	-N	2		0400	.21	.67			
GRP 4826	03	0706	0900		S25	W90	.999	8739	27.5	114	1N								1 0
MONT	03	0706E	0900		S25	W90	.999	8739	27.5	114D	1N		C						O
GRP 4827	03	0937	0945		S26	W90	.999	8739	27.7	8	1B				.40				1 1
ARCE	03	0937	0945D		S26	W90	.999	8739	27.7	8D	1B		C	0945	.40	2.30			
GRP 4828	03	1118	1202	1124	N36	W08	.683	8751	2.9	44	-N				.36				1 1
CAPE	03	1118	1202	1124	N36	W08	.683	8751	2.9	44	-N		C	1124	.36	.50			
GRP 4829	03	1140	1250	1157	N18	E08	.433	8752	4.1	70	2N				4.93				1 1
CAPE	03	1140	1250	1157	N18	E08	.433	8752	4.1	70	2N		C	1157	4.93	5.50			FK
GRP 4830	03	1140	1250	1213	N19	E10	.458	8752	4.2	70	-N				.58				1 1
CAPE	03	1140	1250	1213	N19	E10	.458	8752	4.2	70	-N			1213	.58	.70			
GRP 4831	03	1230	1502		S25	W90	.999	8739	27.8	152	1N				1.24				2 1
MCMA	03	1230E	1500D		S25	W90	.999	8739	27.8	150D	1N		C						
HUAN	03	1446E	1503D		S25	W90	.999	8739	27.9	17D	1F	1	P	1446	1.24				
GRP 4832	03	1521	1535	1523	S17	W39	.636	8745	31.7	14	1F				1.04				2 2
MCMA	03	1519E	1540D	1523	S19	W40	.654	8745	31.6	21D	-F		C	1523	.52	.70			EH
UCCL	03	1522E	1530D		S15	W37	.606	8745	31.9	8D	1F		P	1524	1.55	3.00			EHJ
GRP 4833	03	1843	1900	1851	S16	W43	.684	8745	31.6	17	-N				.30				1 1
HOUS	03	1843	1900	1851	S16	W43	.684	8745	31.6	17	-N		C		.30	.40		200	
GRP 4834	03	1904	1931	1911	S18	W41	.664	8745	31.7	27	-N				.54				3 3
MCMA	03	1901	1930D	1910	S19	W40	.654	8745	31.8	29D	-N		C	1910	.72	1.00			EH
LOCK	03	1906	1920	1912	S19	W39	.642	8745	31.9	14	-F		C	1912	.40	.50		10	L
HOUS	03	1906	1943	1910	S16	W44	.696	8745	31.5	37	-N		C		.50	.70		200	EHJ
GRP 4835	03	1930	2004	1940	N27	W06	.558	8751	3.4	34	-F				.65				4 4
MCMA	03	1929	2000D	1940	N29	W04	.583	8751	3.5	31D	-F		C	1940	.52	.60			E
HOUS	03	1929	2013	1940	N29	W05	.584	8751	3.4	44	-N		C		.50	.60		200	E
LOCK	03	1931	2005	1941	N22	W07	.489	8751	3.3	34	-F		C	1941	.70	.80		10	
HUAN	03	1936E	1958		N27	W06	.558	8751	3.4	22D	-F	2	C	1943	.88	.93			
GRP 4836	03	1949	2011	1954	S20	E34	.583	8753	6.4	22	-N				.79				5 5
SACP	03	1949	2006	1957	S20	E33	.570	8753	6.3	17	-N		C		.83	.88			
HUAN	03	1949	2008D		S20	E34	.583	8753	6.4	19D	-N	1	C	1955	.70	.75			E
MCMA	03	1949	2009	1952	S20	E34	.583	8753	6.4	20	-N		C	1952	1.13	1.40			E
LOCK	03	1949	2012	1953	S20	E34	.583	8753	6.4	23	-F		C	1953	.80	1.00		10	
HOUS	03	1949	2020	1952	S20	E35	.596	8753	6.5	31	-N		C		.50	.60		200	EJ
GRP 4837	03	2009	2030		S19	W40	.654	8745	31.8	21	-F				.67				1 1
HUAN	03	2009E	2030		S19	W40	.654	8745	31.8	21D	-F	1	C	2015	.67	.76			E
GRP 4838	03	2229	2242	2231	S21	W42	.684	8745	31.8	13	-N				.57				3 3
CULG	03	2228	2242	2231	S22	W42	.687	8745	31.8	14	-N		C		.72	.98			
LOCK	03	2229	2240	2232	S21	W42	.684	8745	31.8	11	-F		C	2232	.50	.70		10	
HOUS	03	2229	2243	2231	S21	W43	.695	8745	31.7	14	-N		C		.50	.70		200	E
GRP 4839	04	0029	0059	0035	N20	W09	.467	8752	3.3	30	-N				.52				1 1
CULG	04	0029	0059	0035	N20	W09	.467	8752	3.3	30	-N		C		.52	.58			
GRP 4840	04	0120	0143	0123	S22	W42	.687	8745	31.9	23	-N				.83				1 1
CULG	04	0120	0143	0123	S22	W42	.687	8745	31.9	23	-N		C		.83	1.12			
GRP 4841	04	0143	0155	0150	S18	W48	.745	8745	31.5	12	-N				.62				1 1
CULG	04	0143	0155	0150	S18	W48	.745	8745	31.5	12	-N		P		.62	.84			L

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4842	04	0532	0551	0536	S20	W44	.704	8745	31.9	19	-F				.78				3 3
MANI	04	0527E	0555	0535	S21	W36	.613	8745	1.5	28D	-F	2		0535	.83	1.03			
CULG	04	0534	0536D	0536	S21	W48	.751	8745	31.6	2D	-N		P		.52	.70			
ATHN	04	0534	0546	0536	S19	W47	.736	8745	31.7	12	-F	2		0536	.99	1.50	1.40		
GRP 4843	04	0637	0735		S24	E55	.824	8758	8.4	58	1F				2.21				1 1
BUCA	04	0637E	0735D		S24	E55	.824	8758	8.4	58D	1F		C	0701	2.21	4.20			
GRP 4844	04	0750	0820		S24	E54	.815	8758	8.4	30	1F				2.21				1 1
BUCA	04	0750E	0820D		S24	E54	.815	8758	8.4	30D	1F		P	0805	2.21	4.20			
GRP 4845	04	0854	0922	0902	N15	E03	.368	8752	4.6	28	-N				.95				2 2
BUCA	04	0850E	0914D		N15	E01	.365	8752	4.4	24D	-N		C	0902	.77	.80			D
CAPE	04	0858	0922	0902	N15	E04	.370	8752	4.7	24	-N		C	0902	1.12	1.20			F
GRP 4846	04	0953	1033	0958	N35	W22	.723	8751	2.8	40	-F				.76				1 1
CAPE	04	0953	1033	0958	N35	W22	.723	8751	2.8	40	-F		C	0958	.76	1.10			FL
GRP 4847	04	1030	1122	1039	S17	W49	.755	8745	31.8	52	1N				1.39				2 2
CAPE	04	1030	1130	1039	S17	W50	.766	8745	31.7	60	1F		C	1039	1.79	2.80			FL
ATHN	04	1044E	1046D		S17	W48	.744	8745	31.8	2D	-N	1		1044	.99	1.40	1.70		
ATHN	04	1053E	1114		S18	W47	.734	8745	31.9	21D	-N	1		1055	.66	1.00	1.40		
GRP 4848	04	1204	1234	1209	S23	E51	.785	8758	8.3	30	-N				.37				3 2
SALO	04	1140	1220	1210	S19	E48	.747	8758	8.1	40	-F		V	1210		.28	1.20		
MCMA	04	1202E	1235	1212	S25	E52	.799	8758	8.4	33D	-N		C	1212	.41	.70			DHT
ATHN	04	1205	1248	1206	S24	E53	.806	8758	8.5	43	-B	2		1205	.33	.50	2.00		
GRP 4849	04	1212	1222	1215	N39	W24	.772	8751	2.7	10	-F				.45				1 1
CAPE	04	1212	1222	1215	N39	W24	.772	8751	2.7	10	-F		C	1215	.45	.70			
GRP 4850	04	1218	1235	1223	N27	E14	.588	8752	5.6	17	-N				1.34				1 1
CAPE	04	1218	1235	1223	N27	E14	.588	8752	5.6	17	-N		C	1223	1.34	1.70			F
GRP 4851	04	1423	1525	1430	S24	E53	.806	8758	8.6	62	-N				.71				2 2
MONT	04	1418E	1500D		S23	E53	.804	8758	8.6	42D	-N		C	1430	.90				O
MCMA	04	1428	1525	1430	S25	E52	.799	8758	8.5	57	-N		C	1430	.52	.80			EH
MCMA	04	1428	1525	1500	S25	E52	.799	8758	8.5	57	-N								
GRP 4852	04	1646	1737	1712	S27	E53	.812	8758	8.7	51	-B				.52				2 2
MCMA	04	1641	1729D	1713	S25	E51	.789	8758	8.5	48D	-B								
MCMA	04	1641	1729D	1643	S25	E51	.789	8758	8.5	48D	-B		C	1643	.83	1.40			EK
HOUS	04	1651	1737	1711	S28	E54	.823	8758	8.8	46	-N		C		.20	.40		200	I
GRP 4853	04	1722	1801	1725	S18	W55	.817	8745	31.6	39	-N				.30				1 1
HOUS	04	1722	1801	1725	S18	W55	.817	8745	31.6	39	-N		C		.30	.50		200	
GRP 4854	04	1730	1823	1740	S25	E51	.789	8758	8.6	53	1N				1.76				2 2
MCMA	04	1729	1855	1738	S25	E51	.789	8758	8.6	86	-B		C	1738	1.03	1.80			EK
MCMA	04	1729	1855	1745	S25	E51	.789	8758	8.6	86	-B								
SACP	04	1730	1750	1741	S25	E51	.789	8758	8.6	20	1F		C		2.48	3.20			
GRP 4855	04	2018	2102	2028	S20	E22	.428	8753	6.5	44	-N				1.21				4 4
SACP	04	2014	2120	2032U	S20	E20	.402	8753	6.3	66	-F		C		1.10	1.10			
MCMA	04	2020	2045	2025	S20	E24	.454	8753	6.6	25	-N		C	2025	.62	.70			EH
HALE	04	2021	2048	2026	S20	E20	.402	8753	6.3	27	1B	3	C	2026	2.58	2.80			HF
CULG	04	2038E	2114	2101	S20	E22	.428	8753	6.5	36D	-N		P		.52	.55			H
GRP 4856	04	2043	2130	2045	S25	E50	.780	8758	8.6	47	-N				.62				1 1
MCMA	04	2043	2130D	2045	S25	E50	.780	8758	8.6	47D	-N		C	2045	.62	1.00			
GRP 4857	05	0731	0813	0739	S25	E43	.709	8758	8.5	42	-N				1.46				7 7
BUCA	05	0657E	0812		S26	E41	.691	8758	8.4	75D	1N		C	0741	2.21	2.90			
MONT	05	0710E	0810		S22	E43	.699	8758	8.5	60D	-N		C	0740	1.90				O
CAPE	05	0725	0811	0740	S25	E42	.698	8758	8.5	46	-N		C	0740	.98	1.40			
CAPF	05	0727E	0842		S26	E44	.723	8758	8.6	75D	1N		P	0735	1.46	2.13			
MITK	05	0734	0743D	0740	S25	E45	.730	8758	8.7	9D	1N		C	0740	1.55	2.20			
CAPS	05	0735E	0750D		S24	E40	.672	8758	8.3	15D	-N	3		0738	1.30	1.80		152	C
ATHN	05	0735	0755	0737	S24	E43	.705	8758	8.5	20	-N	2		0737	.83	1.10	1.90		
ARCE	05	0755E	0805		S25	E42	.698	8758	8.5	10D	-N		C	0755	.94	1.30			H
GRP 4858	05	0822	0849	0830	S25	E43	.709	8758	8.6	27	-N				.49				8 7
MONT	05	0818	1010D		S22	E43	.699	8758	8.6	112D	-B		C	0830	.90				O
BUCA	05	0820	0850		S27	E41	.696	8758	8.4	30	-B		C	0829	.55	.70			D
ISTA	05	0820E	0845D		S26	E46	.743	8758	8.8	25D	-F								
CAPE	05	0822	0900	0836	S25	E44	.719	8758	8.6	38	-N		C	0836	.89	1.30			
CAPS	05	0824E	0833D		S24	E40	.672	8758	8.4	9D	-F	3		0829	.20	.30			H
ATHN	05	0824	0843	0825	S25	E43	.709	8758	8.6	19	-B	2		0825	.33	.50	2.00		
ARCE	05	0825	0850	0830	S25	E43	.709	8758	8.6	25	-N		C	0830	.37	.50			D
MANI	05	0826	0845	0828	S26	E42	.702	8758	8.5	19	-N	2		0828	.21	.30			
GRP 4859	05	1000	1009	1003	N09	E61	.889	8761	10.0	9	-F				.36				1 1
CAPE	05	1000	1009	1003	N09	E61	.889	8761	10.0	9	-F		C	1003	.36	.80			
GRP 4860	05	1004	1010	1005	S19	E14	.319	8753	6.5	6	-N				.55				2 2
MONT	05	1002	1010D		S18	E14	.309	8753	6.5	8D	-N		C	1008	.20				O
CAPE	05	1005	1010	1005	S20	E13	.319	8753	6.4	5	-F		C	1005	.89	.90			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4861	05	1012	1056	1036	S22	E41	.676	8758	8.5	44	-N				.95				3 2
SALO	05	1010	1050	1030	S18	E38	.627	8758	8.3	40	-N		P	1030		.70	1.50		
CAPE	05	1013	1054	1039	S25	E43	.709	8758	8.7	41	-N			1039	.89	1.30			
CAPE	05	1013	1054	1019	S25	E43	.709	8758	8.7	41	-N		C	1019	.67	1.00			K
MONT	05	1020E	1105	1040	S23	E42	.691	8758	8.6	45D	-N		C	1040	1.00				O
GRP 4862	05	1132	1208	1202	N10	E63	.905	8761	10.2	36	-N				.47				3 2
SALO	05	1120	1150		N12	E67	.934	8761	10.5	30	-B		P	1150		.99	1.70		
MONT	05	1137	1225		N11	E61	.892	8761	10.1	48	-N		C	1145	.30				O
CAPE	05	1139	1208D	1202	N07	E62	.893	8761	10.1	29D	-F		P	1202	.63	1.50			
GRP 4863	05	1513	1551	1515	S27	E02	.355	8753	5.8	38	-F				.10				1 1
HOUS	05	1513	1551	1515	S27	E02	.355	8753	5.8	38	-F		C		.10	.10		100	H
GRP 4864	05	1540	1551	1544	N36	W39	.828	8751	2.7	11	-N				.20				1 1
HOUS	05	1540	1551	1544	N36	W39	.828	8751	2.7	11	-N		C		.20	.30		200	
GRP 4865	05	1637	1709	1647	N16	W24	.539	8752	3.9	32	-F				.35				3 3
HUAN	05	1637	1705		N16	W22	.518	8752	4.0	28	-F	1	P	1643	.26	.27			D
HOUS	05	1637E	1718D	1641	N17	W24	.549	8752	3.9	41D	-N		C		.40	.50		200	E
LOCK	05	1640E	1705	1652	N15	W25	.540	8752	3.8	25D	-F		C	1652	.40	.50		10	
GRP 4866	05	1642	1655	1646	S23	E54	.814	8765	9.7	13	-F				.20				1 1
LOCK	05	1642	1655	1646	S23	E54	.814	8765	9.7	13	-F		C	1646	.20	.30		10	
GRP 4867	05	1906	1924	1908	S25	E38	.654	8758	8.6	18	-F				.29				3 3
HOUS	05	1905	1931	1908	S26	E38	.659	8758	8.6	26	-N		C		.30	.40		200	E
LOCK	05	1906	1917	1908	S23	E38	.645	8758	8.6	11	-F		C	1908	.30	.40		10	
MCMA	05	1906	1925	1907	S25	E37	.643	8758	8.6	19	-F		C	1907	.26	.40			DH
GRP 4868	05	1956	2022	2004	N34	W44	.847	8751	2.5	26	-N				.10				1 1
HOUS	05	1956	2022	2004	N34	W44	.847	8751	2.5	26	-N		C		.10	.20		200	
GRP 4869	05	2130	2200	2137	N27	W24	.651	8751	4.1	30	-F				.20				1 1
HOUS	05	2130	2200	2137	N27	W24	.651	8751	4.1	30	-F		C		.20	.30		100	
GRP 4870	05	2143	2201	2145	N15	W21	.497	8752	4.3	18	-F				.21				1 1
HUAN	05	2143	2201	2145	N15	W21	.497	8752	4.3	18	-F	2	C	2145	.21	.21			D
GRP 4871	05	2345	0001	2351	S22	E49	.763	8765	9.7	16	-N				.41				2 2
CULG	05	2345	0000	2353	S23	E48	.755	8765	9.6	15	-N		C		.41	.60			
LOCK	05	2345	0001	2348	S21	E50	.772	8765	9.7	16	-F		C	2348	.40	.60		10	
GRP 4872	06	0055	0122	0112	S25	E34	.609	8758	8.6	27	-F				.73				4 4
LOCK	06	0055	0125D	0115	S25	E33	.598	8758	8.5	30D	-F		C	0115	.60	.80		10	
MITK	06	0056	0122	0101	S25	E33	.598	8758	8.5	26	-F		C	0101	.93	1.20			F
IKOM	06	0100E	0125D	0115	S25	E35	.621	8758	8.7	25D	-F		V	0115	.93	1.20		95	E
MANI	06	0101E	0115	0105	S25	E34	.609	8758	8.6	14D	-F	2		0105	.46	.59			
GRP 4873	06	0103	0119	0108	S23	E48	.756	8765	9.6	16	-F				.20				1 1
LOCK	06	0103	0119	0108	S23	E48	.756	8765	9.6	16	-F		C	0108	.20	.30		10	
GRP 4874	06	0138	0236	0149	N15	W65	.926	8751	1.2	58	-N				.52				2 2
CULG	06	0132E	0236	0149	N14	W65	.924	8751	1.2	64D	-N		P		.52				LS
IKOM	06	0143	0156D		N15	W65	.926	8751	1.2	13D	-F		V	0143	.52	1.30		70	D
GRP 4875	06	0232	0244	0235	S22	E46	.732	8765	9.6	12	-N				.47				2 2
CULG	06	0231	0247	0235	S23	E46	.735	8765	9.6	16	-N		C		.41	.60			
MITK	06	0232	0241	0234	S21	E46	.730	8765	9.6	9	-N		C	0234	.52	.80			D
GRP 4876	06	0712	0809	0737	N34	W49	.877	8751	2.6	57	1F				1.56				1 1
CAPE	06	0712	0809	0737	N34	W49	.877	8751	2.6	57	1F		C	0737	1.56	3.20			FT
GRP 4877	06	0825	0837	0827	N10	E48	.772	8761	10.0	12	-N				.47				2 2
ATHN	06	0825	0834	0827	N11	E47	.764	8761	9.9	9	-N	2		0827	.39	.70	1.50		
CAPE	06	0825	0840	0827	N09	E48	.768	8761	10.0	15	-F		C	0827	.54	.90			
GRP 4878	06	1006	1027	1011	N34	W49	.877	8751	2.7	21	-F				.27				1 1
CAPE	06	1006	1027	1011	N34	W49	.877	8751	2.7	21	-F		C	1011	.27	.60			T
GRP 4879	06	1132	1143	1135	N36	W49	.886	8751	2.8	11	-F				.45				1 1
CAPE	06	1132	1143	1135	N36	W49	.886	8751	2.8	11	-F		C	1135	.45	1.00			J
GRP 4880	06	1350	1357		N33	W52	.891	8751	2.7	7	-F				.25				1 1
HUAN	06	1350	1357		N33	W52	.891	8751	2.7	7	-F	1	C	1352	.25	.38			D
GRP 4881	06	1352	1456	1402	N08	E48	.765	8761	10.2	64	-N				.28				2 2
SACP	06	1351	1412D	1358	N07	E48	.763	8761	10.2	21D	-N		C		.28	.34			
CAPE	06	1353	1456	1406	N08	E48	.765	8761	10.2	63	-N		C	1406	.27	.40			C
GRP 4882	06	1918	1937	1924	S22	E39	.653	8765	9.7	19	-N				.20				2 2
LOCK	06	1918	1934	1922	S22	E39	.653	8765	9.7	16	-F		C	1922	.20	.30		10	
HOUS	06	1919E	1940U	1925	S22	E39	.653	8765	9.7	21U	-N		C		.20	.30		200	
GRP 4883	06	1954	2007	1958	S26	E24	.504	8758	8.6	13	-F				.47				3 3
HOUS	06	1954	2010	1957	S27	E24	.513	8758	8.6	16	-N		C		.50	.60		200	E
LOCK	06	1954	2011	1958	S25	E24	.495	8758	8.6	17	-F		C	1958	.40	.50		10	
HUAN	06	1955	2001		S26	E24	.504	8758	8.6	6	-F	1	C	1957	.52	.53			E
GRP 4884	06	1958	2024	2009	N33	W54	.903	8751	2.8	26	-F				.20				1 1
HOUS	06	1958	2024U	2009	N33	W54	.903	8751	2.8	26U	-F		C		.20	.40		100	EK
GRP 4885	06	2143	2243	2157	S21	W12	.322	8753	6.0	60	-N				.83				1 1
CULG	06	2143	2243	2157	S21	W12	.322	8753	6.0	60	-N		C		.83	.84			FL
GRP 4886	06	2232	2256	2236	S26	E23	.493	8758	8.7	24	-N				.40				2 2
HOUS	06	2231	2308	2235	S26	E24	.504	8758	8.7	37	-N		C		.30	.30		200	E
LOCK	06	2232	2244	2236	S25	E21	.461	8758	8.5	12	-F		C	2236	.50	.60		10	

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4887	06	2310	2320	2311	S26	E21	.471	8758	8.5	10	-N				.44				3 3
HOUS	06	2309	2320U	2311	S26	E22	.482	8758	8.6	11U	-N		C		.30	.30		200	E
LOCK	06	2310	2320	2312	S25	E21	.461	8758	8.5	10	-F		C	2312	.40	.40		10	L
CULG	06	2310	2320	2311	S26	E20	.461	8758	8.5	10	-N		C		.62	.69			L
GRP 4888	06	2330	2350		S26	E22	.482	8758	8.6	20	-F				.62				1 1
IKOM	06	2330	2350D		S26	E22	.482	8758	8.6	20D	-F		V	2330	.62	.70		70	D
GRP 4889	07	0042	0049	0045	N24	E35	.714	8760	9.7	7	-N				.52				1 1
CULG	07	0042	0049	0045	N24	E35	.714	8760	9.7	7	-N		C		.52	1.68			
GRP 4890	07	0116	0150	0117	S25	E20	.451	8758	8.6	34	-N				.21				1 1
HALE	07	0116	0150	0117	S25	E20	.451	8758	8.6	34	-N	1	C	0117	.21	.21			
GRP 4891	07	0220	0230	0221	S20	W07	.265	8753	6.6	10	-F				.62				1 1
MANI	07	0220E	0230	0221	S20	W07	.265	8753	6.6	10D	-F	2		0221	.62	.64			
GRP 4892	07	0608	0623	0611	S20	W10	.290	8753	6.5	15	-N				.26				1 1
MANI	07	0608E	0623	0611	S20	W10	.290	8753	6.5	15D	-N	3		0611	.26	.27			
GRP 4893	07	0913	0923	0915	S17	W10	.252	8753	6.6	10	-N				.33				1 1
ATHN	07	0913	0923	0915	S17	W10	.252	8753	6.6	10	-N	2		0915	.33	.34	1.70		
GRP 4894	07	1036	1044	1037	S19	W12	.298	8753	6.5	8	-N				.33				1 1
ATHN	07	1036	1044	1037	S19	W12	.298	8753	6.5	8	-N	2		1037	.33	.40	1.70		
GRP 4895	07	1114	1118		S21	W12	.323	8753	6.6	4	-N				.69				1 1
ARCE	07	1114E	1118D		S21	W12	.323	8753	6.6	4D	-N		P	1118	.69	.70			
GRP 4896	07	1149	1214	1152	N18	W43	.753	8752	4.3	25	1F				1.98				1 1
ATHN	07	1149	1214	1152	N18	W43	.753	8752	4.3	25	1F	2		1152	1.98	3.00	1.40		
GRP 4897	07	1151	1157		S20	W11	.300	8753	6.7	6	-F				1.50				1 1
CAPS	07	1151	1157D		S20	W11	.300	8753	6.7	6D	-F	3		1153	1.50	1.60		128	
GRP 4898	07	1620	1628	1622	N23	E34	.698	8760	10.2	8	-F				.37				1 1
HUAN	07	1620	1628	1622	N23	E34	.698	8760	10.2	8	-F	2	C	1622	.37	.43			D
GRP 4899	07	1715	1735		S22	W16	.376	8753	6.5	20	-F				.25				1 1
HUAN	07	1715	1735		S22	W16	.376	8753	6.5	20	-F	1	C	1726	.25	.25			D
	07	1800	1810	NO FLARE PATROL															
GRP 4900	07	1813	1830	1820	S21	W17	.377	8753	6.5	17	-N				.26				1 1
HALE	07	1813	1830	1820	S21	W17	.377	8753	6.5	17	-N	1	C	1820	.26	.30			
GRP 4901	07	1845	1933	1902	N22	E29	.643	8760	10.0	48	-N				.92				3 3
HALE	07	1845	1925	1852	N22	E28	.634	8760	9.9	40	1B	1	C	1852	1.65	2.10			
HOUS	07	1845U	1933	1853	N23	E30	.661	8760	10.0	48U	-N		C		.50	.70		200	E
HUAN	07	1850E	1850D		N23	E28	.643	8760	9.9		-N	1	P	1850	.62	.69			E
SACP	07	1915	1941	1920	N20	E28	.616	8760	9.9	26	-F		C		1.57	1.71			
GRP 4902	07	1950	2018	1954	N20	E32	.655	8760	10.2	28	-F				.46				1 1
SACP	07	1950E	2018	1954	N20	E32	.655	8760	10.2	28D	-F		C		.46	.52			
GRP 4903	07	2122	2131		S26	E11	.381	8758	8.7	9	-F				.25				1 1
HUAN	07	2122E	2131D		S26	E11	.381	8758	8.7	9D	-F	1	C	2125	.25	.25			D
GRP 4904	07	2143	2148	2145	S22	W18	.399	8753	6.6	5	-N				.28				2 2
MCMA	07	2143	2148	2145	S21	W18	.389	8753	6.6	5	-N		C	2145	.31	.30			D
HUAN	07	2144E	2148		S22	W18	.399	8753	6.6	4D	-N	1	P	2144	.25	.25			D
GRP 4905	07	2205	2230	2215	S20	W19	.391	8753	6.5	25	-F				.30				1 1
LOCK	07	2205	2230	2215	S20	W19	.391	8753	6.5	25	-F		C	2215	.30	.30		10	
GRP 4906	07	2336	0025	2345	S21	W21	.425	8753	6.4	49	-N				.51				2 2
LOCK	07	2330	0025	2345	S21	W20	.413	8753	6.5	55	-F		C	2345	.50	.60		10	
MITK	07	2342	2345D		S21	W21	.425	8753	6.4	3D	-N		P	2344	.52	.60			D
GRP 4907	08	0028	0055	0036	S21	W20	.413	8753	6.5	27	-N				.40				1 1
LOCK	08	0028	0055	0036	S21	W20	.413	8753	6.5	27	-N		C	0036	.40	.40		10	
GRP 4908	08	0232	0238	0234	S22	W19	.411	8753	6.7	6	-N				.21				1 1
HALE	08	0232	0238	0234	S22	W19	.411	8753	6.7	6	-N	1	C	0234	.21	.21			
GRP 4909	08	0245	0255	0246	S22	W19	.411	8753	6.7	10	-N				.21				1 1
HALE	08	0245	0255	0246	S22	W19	.411	8753	6.7	10	-N	1	C	0246	.21	.21			
GRP 4910	08	0604	0613	0606	S19	W23	.436	8753	6.5	9	-N				.83				1 1
ATHN	08	0604	0613	0606	S19	W23	.436	8753	6.5	9	-N	1		0606	.83	.90	1.70		
GRP 4911	08	0831	0835	0832	S19	W24	.449	8753	6.6	4	-N				.17				1 1
ATHN	08	0831	0835	0832	S19	W24	.449	8753	6.6	4	-N	1		0832	.17	.20	1.70		
GRP 4912	08	0904	0918	0910	S20	W23	.443	8753	6.7	14	-N				1.19				3 3
MONT	08	0900E	0925D		S21	W23	.451	8753	6.6	25D	1N		C	0910	2.10				O
ARCE	08	0903E	0915D		S21	W22	.438	8753	6.7	12D	-N		P	0903	.97	1.00			
ATHN	08	0909	0915	0910	S19	W25	.462	8753	6.5	6	-N	1		0910	.50	.60	1.70		
GRP 4913	08	0952	1016		N31	W08	.614	8764	7.8	24	-N				.46				1 1
ARCE	08	0952E	1016D		N31	W08	.614	8764	7.8	24D	-N		C	0954	.46	.60			H
GRP 4914	08	1009	1024	1013	S19	W39	.644	8753	5.5	15	1N				1.45				4 2
SALO	08	0950	1020		S12	W39	.628	8753	5.5	30	-N		P	1000		.34	1.30		
ATHN	08	1008	1027	1010	S20	W37	.622	8753	5.6	19	-B	1		1010	1.32	1.70	2.00		
ARCE	08	1010	1028D	1015	S22	W40	.666	8753	5.4	18D	1N		C	1015	1.57	2.10			
CAPS	08	1014E	1022D		S22	W40	.666	8753	5.4	8D	1N	1							
GRP 4915	08	1015	1055	1025	N16	E86	.999	8767	14.9	40	1N								1 0
SALO	08	1015	1055	1025	N16	E86	.999	8767	14.9	40	1N		P	1025		2.00	1.66		
GRP 4916	08	1030	1100		S11	W25	.426	8753	6.6	30	-N								1 0
SALO	08	1030	1100		S11	W25	.426	8753	6.6	30	-N		P	1055		1.14	1.70		

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4917	08	1123	1137	1120	S20	W25	.469	8753	6.6	14	-N				.36				2 1
ATHN	08	1120E	1127D	1120	S19	W26	.475	8753	6.5	7D	-N	1		1120	.36	.40	1.60		
WEND	08	1126	1137		S21	W23	.451	8753	6.8	11	-N								
GRP 4918	08	1405	1436	1409	S22	W28	.520	8753	6.5	31	-F				.85				1 1
HUAN	08	1405	1436	1409	S22	W28	.520	8753	6.5	31	-F	2	C	1409	.85	.89			E
GRP 4919	08	1410	1416	1413	N34	W85	1.000	8751	2.2	6	-F				.20				1 1
HOUS	08	1410	1416U	1413	N34	W85	1.000	8751	2.2	6U	-F		C		.20	.70		100	
GRP 4920	08	1537	1542	1538	S22	W30	.545	8753	6.4	5	-N				.41				1 1
MCMA	08	1537	1542	1538	S22	W30	.545	8753	6.4	5	-N		C	1538	.41	.50			D
GRP 4921	08	1555	1559	1555	S22	W28	.520	8753	6.6	4	-N				.34				2 2
MCMA	08	1554	1558	1555	S22	W28	.520	8753	6.6	4	-N		C	1555	.31	.40			D
HUAN	08	1555	1559		S21	W28	.514	8753	6.6	4	-N	1	C	1556	.37	.39			D
GRP 4922	08	1703	1732	1713	S22	W29	.533	8753	6.5	29	-F				.46				3 3
MCMA	08	1700E	1740D	1715	S24	W30	.558	8753	6.5	40D	-F		C	1715	.52	.60			E
LOCK	08	1705	1720	1711	S20	W30	.534	8753	6.5	15	-F		C	1711	.40	.50		10	J
HUAN	08	1712E	1737		S22	W28	.520	8753	6.6	25D	-F	1	P	1717	.45	.47			E
GRP 4923	08	1732	1757	1736	S21	W46	.730	8753	5.3	25	-N				.66				4 4
HUAN	08	1730	1750		S21	W46	.730	8753	5.3	20	-F	1	P	1735	.70	.83			E
MCMA	08	1730	1755	1733	S22	W44	.711	8753	5.4	25	-N		C	1733	.62	.90			E
HOUS	08	1730	1804	1735	S20	W47	.739	8753	5.2	34	-N		C		.50	.70		200	E
LOCK	08	1736	1800	1741	S20	W46	.728	8753	5.3	24	-F		C	1741	.80	1.20		10	
GRP 4924	08	2031	2052	2037	S22	W33	.582	8753	6.4	21	-N				.35				2 2
HOUS	08	2028	2058	2036	S22	W35	.606	8753	6.2	30	-N		C		.20	.30		200	E
LOCK	08	2033	2046	2037	S22	W30	.545	8753	6.6	13	-F		C	2037	.50	.60		10	L
GRP 4925	08	2053	2137	2059	S22	W45	.722	8753	5.5	44	-B				1.07				6 6
HUAN	08	2052	2130D		S22	W47	.744	8753	5.3	38D	-B	1	P	2059	1.05	1.27			E
LOCK	08	2052	2133	2100	S24	W46	.738	8753	5.4	41	-N		C	2100	.70	1.10		20	
SACP	08	2052	2136	2057	S21	W46	.730	8753	5.4	44	1N		C		2.40	2.89			
HOUS	08	2052	2137	2058	S22	W47	.744	8753	5.3	45	-B		C		.50	.70		300	E
HALE	08	2055	2140	2100	S23	W45	.725	8753	5.5	45	-B	1	C	2100	.72	1.00			
MCMA	08	2108E	2118D		S22	W45	.722	8753	5.5	10D	-N		P	2108	.62	.90			E
LOCK	08	2133	2145	2140	S22	W29	.533	8753	6.7	12	-F		C	2140	.40	.50		10	H
GRP 4926	08	2223	2233	2226	S21	W47	.741	8753	5.4	10	-F				.40				1 1
LOCK	08	2223	2233	2226	S21	W47	.741	8753	5.4	10	-F		C	2226	.40	.60		10	J
GRP 4927	09	0004	0032	0020	N19	E71	.962	8767	14.3	28	-F				.56				1 1
SACP	09	0004	0032	0020	N19	E71	.962	8767	14.3	28	-F		C		.56	1.21			
GRP 4928	09	0010	0030	0016	N18	W53	.844	8752	5.0	20	-F				.37				1 1
SACP	09	0010	0030	0016	N18	W53	.844	8752	5.0	20	-F		C		.37	.52			
GRP 4929	09	0141	0223	0151	S21	W49	.763	8753	5.4	42	-N				1.16				4 4
SIBE	09	0139	0210	0150	S21	W48	.752	8753	5.5	31	1N		C	0150	1.71	2.50		106	CEF
CULG	09	0140	0226D	0149	S21	W50	.773	8753	5.3	46D	-N		P		.93	1.35			
HALE	09	0143	0230	0152	S22	W48	.754	8753	5.5	47	-N	1	C	0152	.98	1.50			F
MANI	09	0149E	0226	0151	S20	W51	.781	8753	5.3	37D	-N	2		0151	1.03	1.66			
GRP 4930	09	0309	0348	0332	N24	E09	.520	8760	9.8	39	-F				.62				1 1
CULG	09	0309	0348D	0332	N24	E09	.520	8760	9.8	39D	-F		P		.62	.69			
GRP 4931	09	0426	0438	0428	N23	E07	.498	8760	9.7	12	-N				.15				1 1
HALE	09	0426	0438D	0428	N23	E07	.498	8760	9.7	12D	-N	2	P	0428	.15	.20			F
GRP 4932	09	0521	0531	0522	S18	W37	.616	8753	6.4	10	-N				.50				1 1
ATHN	09	0521	0531	0522	S18	W37	.616	8753	6.4	10	-N	2		0522	.50	.60	1.90		
GRP 4933	09	0523	0537	0529	N23	E07	.498	8760	9.7	14	-N				.32				2 2
CULG	09	0521	0540	0531	N22	E06	.480	8760	9.7	19	-N		C		.31	.44			L
ATHN	09	0525	0533	0526	N23	E08	.501	8760	9.8	8	-N	2		0526	.33	.40	1.80		
GRP 4934	09	0646	0701	0650	S20	W53	.801	8753	5.3	15	-N				.75				2 2
CAPE	09	0646	0656	0650	S20	W53	.801	8753	5.3	10	-N		C	0650	.72	1.20			T
BUCA	09	0649E	0705D		S20	W52	.791	8753	5.4	16D	-F		P	0649	.77	1.30			B
GRP 4935	09	0706	0716	0707	S18	W37	.616	8753	6.5	10	-N				.33				1 1
ATHN	09	0706	0716	0707	S18	W37	.616	8753	6.5	10	-N	2		0707	.33	.40	1.60		
GRP 4936	09	0725	0733	0727	S19	W45	.715	8753	5.9	8	-N				.35				2 2
ATHN	09	0723	0731	0724	S18	W35	.590	8753	6.7	8	-N	2		0724	.33	.40	1.90		
CAPE	09	0727	0734	0729	S20	W54	.811	8753	5.3	7	-F		C	0729	.36	.60			J
GRP 4937	09	0826	0831	0828	S20	W36	.610	8753	6.7	5	-N				.53				4 3
CAPE	09	0825	0832	0828	S21	W36	.615	8753	6.7	7	-N		C	0828	.86	1.10			V
ISTA	09	0825	0830		S21	W33	.577	8753	6.9	5	-N								
MANI	09	0826E	0827D		S20	W39	.647	8753	6.4	1D	-N	2		0827	.41	.56			
ATHN	09	0826	0832	0827	S18	W35	.590	8753	6.7	6	-N	2		0827	.33	.40	1.70		
GRP 4938	09	0917	0943	0942	S18	W39	.641	8753	6.5	26	1F				1.78				3 3
BUCA	09	0852E	1005D		S20	W39	.647	8753	6.4	73D	1F		P	0915	1.66	2.20			
CAPE	09	0912	0926	0916	S19	W41	.668	8753	6.3	14	1N		C	0916	1.92	2.60			
SIBE	09	0922	0938D	0924	S20	W40	.659	8753	6.4	16D	1F		P	0924	1.75	2.30		74	D
SALO	09	0940	1015	1000	S12	W37	.602	8753	6.6	35	-N		S	1000		.57	1.60		
GRP 4939	09	0928	0956	0933	N22	E08	.487	8760	10.0	28	-F				2.04				3 3
ATHN	09	0927	0951	0930	N22	E10	.496	8760	10.1	24	-N	2		0930	1.65	1.80	1.60		
CAPE	09	0928	0958	0935	N23	E06	.495	8760	9.8	30	-F		C	0935	1.70	1.90			F
BUCA	09	0928	1000		N22	E08	.487	8760	10.0	32	1F		P	0931	2.76	3.20			
GRP 4940	09	1050	1058	1051	S19	W36	.607	8753	6.8	8	-N				.33				1 1
ATHN	09	1050	1058	1051	S19	W36	.607	8753	6.8	8	-N	2		1051	.33	.40	1.70		

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4941	09	1103	1109	1104	S18	W37	.616	8753	6.7	6	-N				.33				1 1
ATHN	09	1103	1109	1104	S18	W37	.616	8753	6.7	6	-N	2		1104	.33	.40	1.60		
GRP 4942	09	1220	1232	1221	S20	W41	.671	8753	6.4	12	-N				.89				1 1
CAPE	09	1220	1226	1221	S21	W39	.651	8753	6.6	6	-N		C	1221	.89	1.20			H
CAPE	09	1223	1232	1226	S20	W44	.706	8753	6.2	9	-F		C	1226	.40	.60			
GRP 4943	09	1235	1242	1236	S19	W57	.837	8753	5.2	7	-N				.31				1 1
CAPE	09	1235	1242	1236	S19	W57	.837	8753	5.2	7	-N		C	1236	.31	.60			J
GRP 4944	09	1239	1248	1240	S20	W44	.706	8753	6.2	9	-N				.19				1 1
CAPE	09	1239	1248	1240	S20	W44	.706	8753	6.2	9	-N		C	1240	.19	.30			
GRP 4945	09	1314	1334	1317	N15	E09	.389	8761	10.2	20	-F				1.70				1 1
CAPE	09	1314E	1334	1317	N15	E09	.389	8761	10.2	20D	-F		P	1317	1.70	1.90			BF
GRP 4946	09	1317	1335	1321	N26	E04	.534	8760	9.9	18	1N				2.68				1 1
CAPE	09	1317	1335	1321	N26	E04	.534	8760	9.9	18	1N		C	1321	2.68	3.10			F
GRP 4947	09	1321	1330	1323	N26	W06	.539	8760	9.1	9	-F				.45				1 1
CAPE	09	1321	1330	1323	N26	W06	.539	8760	9.1	9	-F		C	1323	.45	.50			
GRP 4948	09	1325	1339	1330	S21	W39	.651	8753	6.6	14	-N				.80				1 1
CAPE	09	1325	1339	1330	S21	W39	.651	8753	6.6	14	-N		C	1330	.80	.90			
GRP 4949	09	1345	1450	1350	S19	W41	.668	8753	6.5	65	2N				4.53				1 1
CAPE	09	1345	1450D	1350	S19	W41	.668	8753	6.5	65D	2N		C	1350	4.53	6.20			K
CAPE	09	1345	1450D	1430	S19	W41	.668	8753	6.5	65D	2N								
GRP 4950	09	1345	1450	1446	S19	W41	.668	8753	6.5	65	2N								1 0
CAPE	09	1345	1450D	1446	S19	W41	.668	8753	6.5	65D	2N								
GRP 4951	09	1448	1520	1457	S25	W15	.403	8758	8.5	32	-N				.74				1 1
SACP	09	1448	1520	1457	S25	W15	.403	8758	8.5	32	-N		C		.74	.74			
GRP 4952	09	1619	1630	1619	S23	W41	.681	8753	6.6	11	-F				.30				1 1
LOCK	09	1619E	1630	1619E	S23	W41	.681	8753	6.6	11D	-F		C	1619	.30	.40		10	
GRP 4953	09	1753	1809	1755	S23	W42	.692	8753	6.6	16	-N				1.26				4 4
SACP	09	1752	1802D	1756	S22	W41	.678	8753	6.7	10D	-N		C		1.75	2.00			
HALE	09	1754	1802	1755	S22	W40	.666	8753	6.7	8	-N	2	C	1755	1.44	1.90			VF
LOCK	09	1754	1815	1755	S24	W43	.707	8753	6.5	21	-N		C	1755	1.00	1.40		20	
MCMA	09	1756E	1815D		S23	W43	.703	8753	6.5	19D	-N		P	1757	.83	1.00			E
GRP 4954	09	1919	1945	1927	S23	W39	.658	8753	6.9	26	-F				.30				1 1
LOCK	09	1919	1945	1927	S23	W39	.658	8753	6.9	26	-F		C	1927	.30	.40		10	
GRP 4955	09	2032	2116	2040	S23	W42	.692	8753	6.7	44	-N				1.17				4 4
HUAN	09	2030	2127	2039	S23	W42	.692	8753	6.7	57	-B	1	C	2039	1.29	1.50			E
LOCK	09	2031	2105	2038	S23	W41	.681	8753	6.8	34	-N		C	2038	.80	1.10		20	
SACP	09	2032	2106	2043D	S22	W42	.689	8753	6.7	34	-N		C		.73	.85			
HALE	09	2035	2126	2040	S22	W41	.678	8753	6.8	51	1N	1	C	2040	1.86	2.50			JFH
GRP 4956	10	0040	0047	0042	N22	E02	.471	8760	10.2	7	-F				.31				1 1
MANI	10	0040	0047	0042	N22	E02	.471	8760	10.2	7	-F	2		0042	.31	.35			
GRP 4957	10	0042	0100	0045	S21	W47	.742	8753	6.5	18	-F				.51				2 2
LOCK	10	0041	0100	0045	S21	W43	.698	8753	6.8	19	-F		C	0045	.30	.40		10	
MANI	10	0043	0048D	0045	S21	W50	.773	8753	6.3	5D	-F	2		0045	.72	1.14			
	10	0050	0055	NO FLARE PATROL															
GRP 4958	10	0307	0336	0313	S22	W48	.755	8753	6.5	29	-N				1.29				4 4
CULG	10	0301	0337	0313	S22	W52	.795	8753	6.2	36	-B		C		.62	.90			FK
SIBE	10	0310	0312D		S22	W47	.744	8753	6.6	2D	1F		P	0312	2.85	4.50		77	CE
HALE	10	0310	0342D	0313	S23	W48	.757	8753	6.5	32D	-B	1	P	0313	.77	1.20			F
MANI	10	0312E	0328	0313	S21	W46	.731	8753	6.7	16D	-N	2		0313	.93	1.31			
HALE	10	0320	0324	0321	S22	W49	.765	8753	6.5	4	-N	1	C	0321	.10	.20			
GRP 4959	10	0624	0713		N23	W04	.489	8760	10.0	49	-N				1.10				2 1
BUCA	10	0624	0715D		N23	W03	.487	8760	10.0	51D	-F		C	0646	1.10	1.30			
ISTA	10	0645E	0710		N22	W05	.476	8760	9.9	25D	-N								
GRP 4960	10	0642	0657	0643	S22	W49	.765	8753	6.6	15	-N				.81				3 2
CULG	10	0641	0653	0643	S23	W50	.777	8753	6.5	12	-N		C		.52	.75			
BUCA	10	0642	0654		S22	W47	.744	8753	6.8	12	-N		C	0644	1.10	1.60			
ISTA	10	0645E	0705		S21	W50	.773	8753	6.5	20D	-N								
GRP 4961	10	0645	0705		N18	W90	1.001	8752	3.5	20	-N								1 0
ISTA	10	0645E	0705		N18	W90	1.001	8752	3.5	20D	-N								
GRP 4962	10	0712	0745	0717	S22	W49	.765	8753	6.6	33	1B				1.57				3 2
CULG	10	0709	0719D	0717	S23	W50	.777	8753	6.5	10D	-B		P		.93	1.35			H
BUCA	10	0713E	0810		S22	W48	.755	8753	6.7	57D	1B		C	0717	2.21	3.30			
ISTA	10	0715	0720		S21	W49	.763	8753	6.6	5	1N								
GRP 4963	10	0729	0754		N23	W06	.494	8760	9.9	25	-N				1.10				2 1
BUCA	10	0727	0812D		N22	W06	.479	8760	9.9	45D	-N		C	0731	1.10	1.30			
ISTA	10	0730	0735		N23	W06	.494	8760	9.9	5	-N								
GRP 4964	10	0845	0909	0850	N23	W06	.494	8760	9.9	24	-N				.71				4 4
CAPE	10	0844	0900	0850	N23	W07	.497	8760	9.8	16	-N		C	0850	.50	.60			T
BUCA	10	0845	0924		N22	W05	.476	8760	10.0	39	-B		P	0852	1.66	1.90			
MANI	10	0846	0907		N23	W04	.489	8760	10.1	21	-F	2		0850	.36	.42			
ARCE	10	0850E	0906D		N22	W07	.482	8760	9.8	16D	-N		P	0850	.31	.40			DH
GRP 4965	10	0913	0939	0925	N12	W09	.344	8761	9.7	26	-F				.59				2 2
BUCA	10	0904E	0943		N12	W09	.344	8761	9.7	39D	-F		P	0926	.55	.60			DG
CAPE	10	0921	0934	0925	N12	W08	.337	8761	9.8	13	-F		C	0925	.63	.70			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4966	10	0933	0958	0938	S21	W50	.773	8753	6.6	25	-N				1.04				3 3
CAPE	10	0933	0956	0938	S20	W52	.792	8753	6.5	23	-N		C	0938	.89	1.50			
BUCA	10	0934E	0959D		S21	W50	.773	8753	6.6	25D	-B		C	0937	1.10	1.70			
MANI	10	0937E	0948D		S21	W49	.763	8753	6.7	11D	-N	1		0940	1.13	1.75			
MONT	10	0950E	1000		S21	W50	.773	8753	6.7	10D	-N		C	0953	1.50				EO
GRP 4967	10	1026	1119	1056	S21	W51	.783	8753	6.6	53	-B				1.01				2 2
CAPE	10	1026	1123	1056	S21	W51	.783	8753	6.6	57	-N		C	1056	1.21	2.00			H
CAPE	10	1026	1123	1116	S22	W50	.775	8753	6.7	57	1F		C	1116	1.34	2.10			
MONT	10	1040E	1115	1055	S21	W50	.773	8753	6.7	35D	-B		C	1055	.80				HO
GRP 4968	10	1031	1112	1042	S17	W49	.756	8753	6.8	41	1N				1.34				2 1
CAPE	10	1026	1123	1040	S21	W51	.783	8753	6.6	57	1N		C	1040	1.34	2.20			K
CAPE	10	1026	1123	1046	S21	W51	.783	8753	6.6	57	-N		C	1046	1.12	1.80			
SALO	10	1035	1100	1044	S12	W46	.717	8753	7.0	9	-N		V	1044		.87	1.70		
GRP 4969	10	1040	1110	1045	N27	W25	.655	8764	8.6	30	-N								1 0
SALO	10	1040	1110	1045	N27	W25	.655	8764	8.6	5	-N		V	1045		.49	1.50		
GRP 4970	10	1127	1133	1129	S21	W27	.502	8758	8.5	6	-F				.45				1 1
CAPE	10	1127	1133	1129	S21	W27	.502	8758	8.5	6	-F		C	1129	.45	.50			
GRP 4971	10	1214	1400		N23	W06	.494	8760	10.1	106	-N				1.00				1 1
MONT	10	1214E	1400		N23	W06	.494	8760	10.1	106D	-N		C	1333	1.00				O
GRP 4972	10	1250	1258	1253	N13	W05	.336	8761	10.2	8	-N				.33				1 1
ATHN	10	1250	1258	1253	N13	W05	.336	8761	10.2	8	-N	1		1253	.33	.40	1.60		
GRP 4973	10	1319	1333	1319	N15	E13	.417	8766	11.5	14	-N				.41				1 1
ATHN	10	1319E	1333D	1319	N15	E13	.417	8766	11.5	14D	-N	1		1319	.41	.42	1.50		
GRP 4974	10	1336	1345	1338	S22	W52	.795	8753	6.7	9	-N				.98				1 1
CAPE	10	1336	1345	1338	S22	W52	.795	8753	6.7	9	-N		C	1338	.98	1.60			
GRP 4975	10	1355	1410	1357	S22	W52	.795	8753	6.7	15	-N				.63				2 2
HUAN	10	1354	1410	1356	S23	W52	.797	8753	6.7	16	-N	1	C	1356	.55	.71			
MONT	10	1355	1410	1357	S21	W52	.793	8753	6.7	15	-N		C	1357	.70				O
GRP 4976	10	1422	1430		S20	W56	.830	8753	6.4	8	-F				.25				1 1
HUAN	10	1422	1430		S20	W56	.830	8753	6.4	8	-F	1	C	1424	.25	.33			D
GRP 4977	10	1514	1543		N20	W10	.466	8760	9.9	29	-N				.93				2 2
CAPS	10	1504E	1543		N19	W11	.458	8760	9.8	39D	-F	3		1520	.70	.80		142	
ATHN	10	1524E	1542D		N21	W09	.476	8760	10.0	18D	-N	1		1527	1.16	1.30	1.50		
GRP 4978	10	1524	1540		S19	W57	.838	8753	6.4	16	-N				.50				1 1
ATHN	10	1524E	1540		S19	W57	.838	8753	6.4	16D	-N	1		1527	.50	.90	1.50		
GRP 4979	10	1551	1557		S22	W53	.804	8753	6.7	6	-F				.25				1 1
HUAN	10	1551	1557		S22	W53	.804	8753	6.7	6	-F	1	C	1553	.25	.32			D
GRP 4980	10	1600	1623	1605	S20	W53	.801	8753	6.7	23	-N				1.08				6 5
HUAN	10	1600	1620D		S22	W54	.814	8753	6.6	20D	-N	1	C	1605	1.03	1.40			E
CAPS	10	1602E	1620D		S21	W52	.793	8753	6.8	18D	-B	3		1604	1.10	1.80		208	CEW
CAPS	10	1602E	1620D		S21	W52	.793	8753	6.8	18D	-B			1611	1.60	2.60			
MCMA	10	1603E	1608D		S22	W56	.832	8753	6.5	5D	-N		C	1603	.62	1.20			E
SACP	10	1604E	1604D	1604U	S12	W47	.728	8753	7.1		1B		V						
LOCK	10	1605E	1640D	1605U	S21	W55	.822	8753	6.5	35D	-N		C	1605	.90	1.60		10	
CAPF	10	1610E	1645D		S19	W52	.790	8753	6.8	35D	1N		P	1615	1.76	2.73			
GRP 4981	10	1632	1645	1641	N20	W08	.457	8760	10.1	13	-N				1.30				4 3
LOCK	10	1632	1650D	1640	N21	W09	.476	8760	10.0	18D	-N		C	1640	.70	.80		20	
MCMA	10	1634E	1646D	1642	N23	W10	.509	8760	9.9	12D	-N		C	1642	1.44	1.60			E
CAPF	10	1638E	1645D		N22	W08	.486	8760	10.1	7D	-N		P	1638	1.76	1.97			
SACP	10	1640E	1640D	1640U	N15	W04	.364	8760	10.4		1N		V						
GRP 4982	10	1635	1655		S23	W08	.320	8765	10.1	20	-N				1.58				1 1
HUAN	10	1635E	1655		S23	W08	.320	8765	10.1	20D	-N	1	P	1643	1.58	1.63			CE
	10	1725	1730	NO FLARE PATROL															
	10	1755	1805	NO FLARE PATROL															
GRP 4983	10	1953	2000		N23	W09	.505	8760	10.2	7	-F				.25				1 1
HUAN	10	1953	2000		N23	W09	.505	8760	10.2	7	-F	1	C	1955	.25	.26			D
GRP 4984	10	2016	2032		S21	W59	.857	8753	6.4	16	-N				.56				2 2
HUAN	10	2016	2032		S19	W60	.864	8753	6.3	16	-N	1	C	2017	.60	.87			E
MCMA	10	2020E	2028D		S22	W58	.849	8753	6.5	8D	-N		C	2020	.52	1.00			E
GRP 4985	10	2121	2141		N23	W12	.519	8760	10.0	20	1N				1.59				2 2
HUAN	10	2114E	2136D		N22	W12	.506	8760	10.0	22D	1F	1	P	2130	1.93	2.00			E
MCMA	10	2127E	2146D		N23	W12	.519	8760	10.0	19D	-N		P	2131	1.24	1.50			E
GRP 4986	11	0101	0123	0103	N19	W14	.477	8760	10.0	22	-N				.46				1 1
MANI	11	0101	0123	0103	N19	W14	.477	8760	10.0	22	-N	2		0103	.46	.53			
	11	0250	0255	NO FLARE PATROL															
GRP 4987	11	0346	0358	0347	N23	W23	.597	8760	9.4	12	-N				.41				1 1
CULG	11	0346	0358	0347	N23	W23	.597	8760	9.4	12	-N		C		.41	.50			L
	11	0505	0520	NO FLARE PATROL															
GRP 4988	11	0619	0627		S22	W59	.858	8753	6.8	8	-B				.70				1 1
CAPS	11	0619	0627		S22	W59	.858	8753	6.8	8	-B	3		0621	.70	1.30			
GRP 4989	11	0654	0705	0657	N22	W18	.545	8760	9.9	11	-N				.61				2 2
CULG	11	0654	0702	0657	N21	W19	.541	8760	9.9	8	-N		C		.41	.48			
CAPS	11	0700E	0707		N23	W16	.543	8760	10.1	7D	-F	3		0703	.80	1.10		152	CE

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4990	11	0657	0706	0700	S21	W65	.903	8753	6.4	9	-N				.62				1 1
CULG	11	0657	0706	0700	S21	W65	.903	8753	6.4	9	-N		C		.62	1.35			
GRP 4991	11	0744	0820	0751	S19	W63	.888	8753	6.6	36	1N				2.38				3 2
ISTA	11	0740E	0804	0749	S20	W65	.903	8753	6.4	24D	1N								
CAPF	11	0745	0840		S19	W64	.895	8753	6.5	55	1N		P	0747	1.76	3.76			
CAPS	11	0748	0816	0752	S19	W61	.872	8753	6.8	28	2N	3		0752	3.00			204	EK
GRP 4992	11	0800	0825	0807	S19	W66	.909	8753	6.4	25	1B				1.57				2 2
CATA	11	0800E	0815D	0807	S18	W66	.909	8753	6.4	15D	1B			0807	2.19			234	
ARCE	11	0800E	0825		S20	W65	.903	8753	6.5	25D	-N		C	0805	.94	1.90			
GRP 4993	11	0840	0848	0842	S25	W37	.646	8758	8.6	8	-N				.88				2 2
CAPE	11	0840	0849	0842	S25	W38	.657	8758	8.5	9	-N		C	0842	.86	1.10			
CAPS	11	0842E	0847		S24	W36	.629	8758	8.7	5D	-F	3		0844	.90	1.20		137	C
GRP 4994	11	0850	0955	0946	N22	W21	.569	8760	9.8	65	-N				1.28				2 2
ARCE	11	0850E	1000D		N21	W21	.558	8760	9.8	70D	-N		C	0950	1.00	1.20			H
CAPE	11	0945	0950	0946	N23	W20	.572	8760	9.9	5	-N		C	0946	1.56	1.90			
GRP 4995	11	0916	0958	0931	S21	W62	.881	8753	6.7	42	-N				.63				1 1
CAPE	11	0916	0958D	0931	S21	W62	.881	8753	6.7	42D	-N		C	0931	.63	1.40			
GRP 4996	11	1018	1028	1019	S21	W64	.896	8753	6.6	10	-N				.80				2 2
CAPE	11	1018	1027	1019	S20	W67	.916	8753	6.4	9	-N		C	1019	.80	2.10			B
CAPS	11	1018E	1029		S21	W61	.873	8753	6.9	11D	-F	3		1023	.80			142	C
GRP 4997	11	1034	1106	1057	S21	W63	.889	8753	6.7	32	-N				.88				3 3
CAPE	11	1034	1107	1057	S21	W64	.896	8753	6.6	33	1N		C	1057	1.34	3.20			
CAPE	11	1034	1107	1041	S20	W66	.910	8753	6.5	33	-F		C	1041	.27	.70			K
MONT	11	1054E	1057D		S21	W66	.910	8753	6.5	3D	-N		C	1054	.50				O
CAPS	11	1054E	1105		S22	W60	.866	8753	7.0	11D	-F	3		1056	.80			150	C
GRP 4998	11	1112	1143	1124	S21	W65	.903	8753	6.6	31	1N				3.20				6 5
MONT	11	1111	1142D		S21	W67	.917	8753	6.4	31D	-N		C	1130	1.00				O
CAPS	11	1112	1141		S20	W62	.880	8753	6.8	29	2N	3		1123	4.00			196	F
WEND	11	1112E	1142		S22	W65	.904	8753	6.6	30D	2N		V		7.22				
CAPE	11	1113	1152	1124	S20	W65	.903	8753	6.6	39	2N		C	1124	2.46	6.10			
CAPE	11	1113	1152	1119	S21	W66	.910	8753	6.5	39	2N		C	1119	3.27	8.30			FK
ONDR	11	1116E	1138		S19	W61	.872	8753	6.9	22D	1F		V	1125			2.30		CEJ
ATHN	11	1128E	1140D		S21	W68	.923	8753	6.4	12D	1B	2		1128	1.32		2.00		
GRP 4999	11	1249	1303	1254	S21	W67	.917	8753	6.5	14	-N				.79				4 4
CAPE	11	1245	1257D		S20	W66	.910	8753	6.6	12D	1N		P	1257	1.49	3.80			
MCMA	11	1247	1315	1257	S23	W65	.904	8753	6.7	28	-N		C						
MCMA	11	1247	1315	1250	S23	W65	.904	8753	6.7	28	-N		C	1256	.62	1.50			EHK
ATHN	11	1249	1256	1250	S21	W68	.923	8753	6.4	7	-N	2		1250	.33		1.70		
MONT	11	1253	1302	1255	S21	W67	.917	8753	6.5	9	-N		C	1255	.70				O
GRP 5000	11	1334	1456	1345	N22	W24	.595	8760	9.8	82	1B				2.77				6 6
MONT	11	1330	1443	1350	N21	W24	.585	8760	9.8	73	1B		C	1350	2.10				O
SACP	11	1333	1518	1344	N22	W24	.595	8760	9.8	105	1N		C		2.70	2.91			
ATHN	11	1336	1432	1339	N23	W23	.597	8760	9.8	56	1B	2		1339	1.98	2.40	2.00		
MCMA	11	1336	1443	1344	N22	W23	.586	8760	9.8	67	1B		C	1344	1.65	2.00			E
WEND	11	1337	1525	1346	N20	W24	.574	8760	9.8	108	2N		V		6.19				
CAPS	11	1339E	1427D		N23	W28	.640	8760	9.5	48D	1N	3		1345	2.00	2.60		172	CFK
GRP 5001	11	1336	1447	1410	N22	W25	.604	8760	9.7	71	1N				2.35				3 1
ATHN	11	1336	1432	1410	N23	W23	.597	8760	9.8	56	1B	2							
CAPF	11	1356E	1440D		N21	W26	.603	8760	9.6	44D	1N		P	1400	2.35	2.85			
ONDR	11	1401E	1510D		N22	W26	.613	8760	9.6	69D	1N		V	1407			2.70		C
GRP 5002	11	1342	1346		S21	W67	.917	8753	6.5	4	-N								1 0
WEND	11	1342	1346		S21	W67	.917	8753	6.5	4	-N								
GRP 5003	11	1428	1432	1429	S23	W65	.904	8753	6.7	4	-N				.31				1 1
MCMA	11	1428	1432	1429	S23	W65	.904	8753	6.7	4	-N		C	1429	.31	.70			D
GRP 5004	11	1437	1448	1442	S22	W67	.917	8753	6.6	11	-N				.83				2 2
MONT	11	1435	1445D		S21	W68	.923	8753	6.5	10D	-N		C	1440	1.30				O
MCMA	11	1439	1448	1442	S23	W65	.904	8753	6.7	9	-N		C	1442	.36	.90			E
GRP 5005	11	1510	1520	1513	S24	W66	.911	8753	6.7	10	-F				.52				1 1
MCMA	11	1510	1520	1513	S24	W66	.911	8753	6.7	10	-F		C	1513	.52	1.20			E
GRP 5006	11	1714	1722		N22	W66	.942	8764	6.8	8	-F				.31				1 1
HUAN	11	1714	1722		N22	W66	.942	8764	6.8	8	-F	1	C	1718	.31	.50			D
GRP 5007	11	1715	1722	1717	S25	W64	.899	8753	6.9	7	-F				.26				1 1
MCMA	11	1715	1722	1717	S25	W64	.899	8753	6.9	7	-F		C	1717	.26	.60			D
GRP 5008	11	1744	1802		N22	W24	.595	8760	9.9	18	-F				.62				1 1
HUAN	11	1744	1802		N22	W24	.595	8760	9.9	18	-F	1	C	1748	.62	.66			E
GRP 5009	11	1914	1930	1919	N21	W24	.585	8760	10.0	16	-F				.37				1 1
HUAN	11	1914	1930	1919	N21	W24	.585	8760	10.0	16	-F	2	C	1919	.37	.40			D
GRP 5010	11	2018	2027	2020	N26	E88	1.000	8776	18.4	9	-N								1 0
MCMA	11	2018	2027	2020	N26	E88	1.000	8776	18.4	9	-N		C	2020					D
GRP 5011	11	2101	2151	2110	S23	W72	.946	8753	6.5	50	2B				1.91				2 2
CULG	11	2058	2151	2107	S23	W72	.946	8753	6.5	53	1B		C		1.96				
MCMA	11	2104	2148D	2112	S23	W71	.941	8753	6.6	44D	2B		C	2112	1.86	5.50			FHK

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5012	11	2104	2156	2124	S23	W74	.956	8753	6.3	52	2B				1.88				2 1
MCMA	11	2104	2148D	2124	S23	W71	.941	8753	6.6	44D	2B		C						
HUAN	11	2114E	2156		S22	W77	.969	8753	6.1	42D	1N	1	P	2120	1.88				E
GRP 5013	11	2207	2220	2208	N22	W27	.622	8760	9.9	13	-N				.48				2 2
CULG	11	2205	2216	2208	N22	W27	.622	8760	9.9	11	-F		C		.46	.56			
HUAN	11	2209	2223D		N22	W26	.613	8760	10.0	14D	-N	1	C	2212	.50	.54			E
GRP 5014	12	0126	0136	0127	S21	W74	.956	8753	6.5	10	-N				.31				1 1
CULG	12	0126	0136	0127	S21	W74	.956	8753	6.5	10	-N		C		.31				
GRP 5015	12	0200	0216	0206	S21	E90	.999	8777	18.8	16	-N				.21				1 1
MANI	12	0200E	0216	0206	S21	E90	.999	8777	18.8	16D	-N	3		0206	.21	.67			
GRP 5016	12	0446	0456	0449	S23	W72	.946	8753	6.8	10	-N				.41				1 1
CULG	12	0446	0456	0449	S23	W72	.946	8753	6.8	10	-N		C		.41				H
GRP 5017	12	0519	0531	0520	S23	W72	.946	8753	6.8	12	-N				.41				1 1
CULG	12	0519	0531	0520	S23	W72	.946	8753	6.8	12	-N		C		.41				
GRP 5018	12	0533	0558	0543	S23	W74	.956	8753	6.7	25	1B				1.11				2 2
CULG	12	0533	0603	0541	S24	W74	.956	8753	6.7	30	1B		C		1.03				H
MANI	12	0543E	0553	0544	S21	W74	.956	8753	6.7	10D	1N	1		0544	1.19	2.76			
GRP 5019	12	0830	0840	0830	S21	W74	.956	8753	6.8	10	-B				.31				1 1
ARCE	12	0830	0840	0830	S21	W74	.956	8753	6.8	10	-B		C	0830	.31	.80			
GRP 5020	12	0908	0919		S19	W75	.961	8753	6.8	11	-N				.72				3 2
ATHN	12	0904	0913	0905	S14	W72	.946	8753	7.0	9	-N	2		0905	.66		1.80		
WEND	12	0912	0921		S21	W77	.969	8753	6.6	9	-N								
MANI	12	0914E	0922		S21	W76	.965	8753	6.7	8D	-F	2		0915	.77	1.87			
GRP 5021	12	0927	1000	0937	N23	W37	.722	8760	9.6	33	-N				.99				5 5
ARCE	12	0910E	1000D		N22	W38	.725	8760	9.5	50D	-N		C	0930	.43	.60			
ATHN	12	0910	0923	0912	N25	W36	.727	8760	9.7	13	-F	2		0912	.66	.90	1.40		
CAPF	12	0930E	0950D		N25	W37	.736	8760	9.6	20D	-N		P	0938	.59	.85			
WEND	12	0930E	1000D		N22	W39	.734	8760	9.5	30D	1N		V		3.09				
ATHN	12	0932E	1000	0935	N23	W35	.704	8760	9.8	28D	-N	1		0935	.41	.50	1.70		
MANI	12	0935	0950D	0938	N20	W38	.712	8760	9.5	15D	-N	1		0938	.41	.60			
GRP 5022	12	1005	1011	1006	S18	W73	.951	8753	6.9	6	-N				.33				1 1
ATHN	12	1005	1011	1006	S18	W73	.951	8753	6.9	6	-N	2		1006	.33		1.90		
GRP 5023	12	1107	1121	1110	S20	W78	.973	8753	6.6	14	1N				.96				3 3
ATHN	12	1103	1118	1110	S18	W73	.951	8753	7.0	15	1N	2		1110	.99		1.90		
CAPS	12	1109E	1120D		S20	W75	.961	8753	6.8	11D	1F	3		1111	1.10			155	H
MONT	12	1109	1125D		S22	W85	.993	8753	6.1	16D	1N		C	1116	.80				O
GRP 5024	12	1130	1158	1151	S18	W73	.951	8753	7.0	28	-N				.33				2 1
SALO	12	1130	1200	1150	S18	W72	.946	8753	7.1	30	-N		V	1150		1.04	1.70		
ATHN	12	1151	1156	1152	S18	W73	.951	8753	7.0	5	-N	2		1152	.33		1.80		
GRP 5025	12	1155	1220	1156	S23	W53	.807	8758	8.5	25	-F				.41				5 4
SALO	12	1120	1210		S17	W52	.788	8758	8.6	50	-N		V	1200		.77	1.60		
ATHN	12	1153	1210	1156	S25	W51	.792	8758	8.7	17	-N	2		1156	.33	.50	1.80		
CAPS	12	1157	1222		S24	W53	.809	8758	8.5	25	-F	3		1209	.50	.80		155	E
MCMA	12	1205E	1230		S25	W54	.820	8758	8.5	25D	-F		C	1206	.36	.60			BE
HUAN	12	1213	1228		S25	W55	.828	8758	8.4	15	-F	1	C	1221	.45	.62			E
GRP 5026	12	1231	1251		S21	W77	.969	8753	6.7	20	-F				.41				1 1
HUAN	12	1231	1251		S21	W77	.969	8753	6.7	20	-F	1	C	1240	.41				E
GRP 5027	12	1255	1303		S20	W74	.956	8753	7.0	8	-F				.21				1 1
HUAN	12	1255	1303		S20	W74	.956	8753	7.0	8	-F	1	C	1300	.21				D
GRP 5028	12	1321	1327	1323	S22	W76	.965	8753	6.9	6	-N				.49				4 3
HUAN	12	1320	1326	1322	S22	W78	.973	8753	6.7	6	-F	2	C	1322	.35				D
WEND	12	1320	1328		S21	W79	.977	8753	6.6	8	-N								
CAPS	12	1321E	1326		S21	W73	.951	8753	7.1	5D	-F	3		1324	.70			152	CD
MCMA	12	1321	1327	1323	S23	W74	.956	8753	7.0	6	-B		C	1323	.41	1.20			D
GRP 5029	12	1332	1356	1336	S25	W54	.820	8758	8.5	24	-N				1.88				5 3
CAPS	12	1332	1347		S24	W52	.799	8758	8.7	15	-F	3		1340	.50	.80		155	E
HUAN	12	1332	1356	1335	S25	W54	.820	8758	8.5	24	-N	2	C	1335	.33	.45			E
MONT	12	1332	1400		S25	W54	.820	8758	8.5	28	-F		C	1350	1.00				E
MCMA	12	1333	1402	1336	S25	W54	.820	8758	8.5	29	-N		C	1336	.52	.90			E
WEND	12	1333E	1356D		S25	W56	.837	8758	8.4	23D	1N		V		4.13				
GRP 5030	12	1417	1425		S22	W79	.977	8753	6.7	8	-F				.31				1 1
HUAN	12	1417	1425		S22	W79	.977	8753	6.7	8	-F	1	C	1421	.31				D
GRP 5031	12	1520	1525		S22	W80	.980	8753	6.6	5	-F				.25				1 1
HUAN	12	1520	1525		S22	W80	.980	8753	6.6	5	-F	1	C	1523	.25				D
GRP 5032	12	1618	1628	1625	S20	W80	.980	8753	6.7	10	-N				.20				1 1
HOUS	12	1618	1628	1625	S20	W80	.980	8753	6.7	10	-N		C		.20	.60		200	EI
GRP 5033	12	1657	1727	1719	N25	E74	.979	8776	18.3	30	1N				.71				2 2
MCMA	12	1657	1722		N25	E78	.990	8776	18.6	25	-N		C	1700	.31	1.00			D
SACP	12	1705E	1732	1705U	N25	E74	.979	8776	18.3	27D	1N		C		1.10	2.80			
LOCK	12	1732E	1810	1732E	N24	E69	.959	8776	17.9	38D	-N		C	1733	.40	1.10		10	
GRP 5034	12	1707	1720	1712	S22	W76	.965	8753	7.0	13	-N				.41				3 3
MCMA	12	1707	1720	1713	S23	W75	.961	8753	7.1	13	-N		C	1713	.41	1.70			E
HALE	12	1708E	1719	1710	S21	W73	.951	8753	7.2	11D	-N	2	P	1710	.46				
HUAN	12	1714E	1714D		S22	W80	.980	8753	6.7		-N	1	P	1714	.37				D

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5035	12	1819	1942	1921	S20	W80	.980	8753	6.8	83	-N				.20				1 1
HOUS	12	1819	1942	1921	S19	W78	.973	8753	6.9	83	-N		C		.20	.60		200	
HALE	12	1820	1827	1822	S21	W75	.961	8753	7.1	7	-N	2	C	1822	.21				
HOUS	12	1842U	1901	1847	S20	W81	.983	8753	6.7	19U	-F		C		.10	.30		100	I
HOUS	12	1854	1901	1856	S21	W81	.983	8753	6.7	7	-N		C		.10	.30		200	
GRP 5036	12	1832	1842	1835	N19	W08	.439	8766	12.2	10	-F				.20				1 1
LOCK	12	1832	1842	1835	N19	W08	.439	8766	12.2	10	-F		C	1835	.20	.20		10	H
GRP 5037	12	1904	1946	1912	S24	W57	.844	8758	8.5	42	-N				.88				5 5
HALE	12	1902	2000	1914	S25	W55	.828	8758	8.7	58	1N	2	C	1914	1.29	2.30			FJ
LOCK	12	1903	1935	1910	S25	W58	.854	8758	8.4	32	-N		C	1910	1.00	1.80		20	
HOUS	12	1904	1932D	1910	S23	W57	.843	8758	8.5	28D	-N		C		.40	.70		200	E
MCMA	12	1905	1921D	1913	S25	W56	.837	8758	8.6	16D	-N		C	1913	.52	1.00			E
HUAN	12	1917E	1943		S24	W57	.844	8758	8.5	26D	-N	1	P	1917	1.21	1.70			E
GRP 5038	12	1940	1955	1945	N15	W13	.415	8766	11.8	15	-F				.15				1 1
HALE	12	1940	1955	1945	N15	W13	.415	8766	11.8	15	-F	1	C	1945	.15	.20			
GRP 5039	12	1959	2101	2007	N23	W44	.785	8760	9.5	62	-N				.20				1 1
HOUS	12	1959E	2101	2007	N23	W44	.785	8760	9.5	62D	-N		C		.20	.30		200	
GRP 5040	12	2021	2034	2026	S22	W81	.983	8753	6.8	13	-N				.29				3 3
HOUS	12	2019	2036	2024	S21	W81	.983	8753	6.8	17	-N		C		.20	.60		200	I
HUAN	12	2022	2031	2025	S22	W83	.989	8753	6.6	9	-N	1	C	2025	.37				D
HALE	12	2028E	2029D	2028U	S22	W80	.980	8753	6.9	1D	-N	1	P	2028	.31				J
GRP 5041	12	2059	2122	2106	S20	W81	.983	8753	6.8	23	-F				.10				1 1
HOUS	12	2059	2122	2106	S20	W81	.983	8753	6.8	23	-F		C		.10	.30		100	I
GRP 5042	12	2106	2107		N22	W39	.734	8760	10.0	1	-F				.26				1 1
MCMA	12	2106E	2107D		N22	W39	.734	8760	10.0	1D	-F		P	2107	.26	.40			E
GRP 5043	13	0311	0350	0315	N21	W48	.811	8760	9.5	39	-F				.62				1 1
MANI	13	0311	0350	0315	N21	W48	.811	8760	9.5	39	-F	2		0315	.62	1.03			
GRP 5044	13	0311	0350	0325	N21	W48	.811	8760	9.5	39	-F								1 0
MANI	13	0311	0350	0325	N21	W48	.811	8760	9.5	39	-F								
GRP 5045	13	0913	0940	0930	N12	W43	.723	8761	10.2	27	-N				.30				1 1
MONT	13	0913	0940	0930	N12	W43	.723	8761	10.2	27	-N		C	0930	.30				O
GRP 5046	13	0935	1028		N24	W67	.949	8760	8.4	53	1N				5.16				1 1
WEND	13	0935E	1028		N24	W67	.949	8760	8.4	53D	1N		V		5.16				
GRP 5047	13	0939	1012	0947	S25	W66	.912	8758	8.5	33	-F				1.06				7 6
MONT	13	0937	1020		S25	W64	.899	8758	8.6	43	-F		C	0954	1.30				FO
CAPS	13	0938E	1007		S25	W63	.892	8758	8.7	29D	1F	2		0946	1.40			152	E
ARCE	13	0940E	0959D		S25	W68	.925	8758	8.3	19D	-N		C	0958	.66	1.40			
MANI	13	0941E	0954D	0943	S25	W67	.919	8758	8.4	13D	-N	1		0943	.93	1.89			
CAPE	13	0941	1015	0950	S24	W66	.912	8758	8.5	34	1N		C	0950	1.12	3.00			F
MEUD	13	0943E	1010		S25	W65	.906	8758	8.5	27D	-F		C	0950	.93				CE
ONDR	13	0951E	1010D		S24	W68	.924	8758	8.3	19D	1F		V	0956			2.00		C
GRP 5048	13	1100	1150		N28	W56	.896	8760	9.3	50	-N								1 0
SALO	13	1100	1150		N28	W56	.896	8760	9.3	50	-N		V	1120		.42	1.50		
GRP 5049	13	1227	1233	1228	S25	W90	.999	8753	6.8	6	-N				.33				1 1
ATHN	13	1227	1233	1228	S25	W90	.999	8753	6.8	6	-N	2		1228	.33				
GRP 5050	13	1403	1409	1404	S23	W85	.993	8753	7.2	6	-N				.50				1 1
ATHN	13	1403	1409	1404	S23	W85	.993	8753	7.2	6	-N	2		1404	.50		1.40		
GRP 5051	13	1419	1426	1420	S22	W87	.996	8753	7.1	7	-N				.25				1 1
ATHN	13	1419	1426	1420	S22	W87	.996	8753	7.1	7	-N	2		1420	.25		1.60		
GRP 5052	13	1714	1727		N22	W52	.848	8760	9.8	13	-F				.63				1 1
HUAN	13	1714	1727D		N22	W52	.848	8760	9.8	13D	-F	1	C	1715	.63	.90			E
	13	1725	1730	NO FLARE PATROL															
GRP 5053	13	1735	1750	1745	N21	W56	.875	8760	9.5	15	-F				.40				1 1
LOCK	13	1735	1750D	1745U	N21	W56	.875	8760	9.5	15D	-F		C	1745	.40	.80		10	
	13	1750	1830	NO FLARE PATROL															
	13	1840	1905	NO FLARE PATROL															
GRP 5054	13	1926	2026	1942	N23	W53	.859	8760	9.8	60	1F				1.57				1 1
SACP	13	1926	2026	1942	N23	W53	.859	8760	9.8	60	1F		C		1.57	2.28			
GRP 5055	14	0535	0557		N22	W61	.912	8760	9.7	22	-F				.41				1 1
MANI	14	0535	0557		N22	W61	.912	8760	9.7	22	-F	1		0537	.41	.86			
GRP 5056	14	0805	0819	0809	N22	W60	.906	8760	9.8	14	1N				.98				2 2
CAPE	14	0805	0818	0810	N22	W61	.912	8760	9.8	13	1N		C	0810	1.34	3.30			T
MANI	14	0805E	0820	0807	N22	W59	.899	8760	9.9	15D	-N	2		0807	.62	1.24			
GRP 5057	14	0851	0902	0858	N22	W88	1.000	8764	7.8	11	-N				.36				1 1
CAPE	14	0851	0902	0858	N22	W88	1.000	8764	7.8	11	-N		C	0858	.36				
GRP 5058	14	0924	0928		N22	W85	.999	8760	8.0	4	-B								1 0
UCCL	14	0924E	0928D		N22	W85	.999	8760	8.0	4D	-B		P						BD
GRP 5059	14	1000	1040		N18	W60	.897	8760	9.9	40	-N								1 0
SALO	14	1000	1040		N18	W60	.897	8760	9.9	40	-N		V	1020		.93	1.60		
GRP 5060	14	1000	1040		N26	W86	1.000	8764	8.0	40	-N								1 0
SALO	14	1000	1040		N26	W86	1.000	8764	8.0	40	-N		V	1020		1.77	1.70		

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5061	14	1052	1200	1115	N23	W62	.920	8760	9.8	68	1N				1.09				2 2
CAPE	14	1052	1102	1054	N23	W62	.920	8760	9.8	10	1N		C	1054	1.17	3.10			T
MONT	14	1102E	1200	1135	N23	W61	.914	8760	9.9	58D	-N		C	1135	1.00				O
CAPE	14	1152	1200	1154	N22	W64	.930	8760	9.7	8	-N		C	1154	.31	.90			T
GRP 5062	14	1105	1124	1107	N13	W59	.879	8761	10.0	19	-N				.51				3 3
ATHN	14	1105	1110	1106	N14	W53	.830	8761	10.5	5	-N	2		1106	.50	.90	1.70		
MONT	14	1105	1200	1135	N12	W59	.877	8761	10.0	55	-N		C	1135	.50				O
UCCL	14	1107E	1138D	1107	N14	W64	.917	8761	9.7	31D	-N		C	1107	.52				D
GRP 5063	14	1141	1210	1146	N22	W90	1.001	8764	7.7	29	-F				.36				1 1
CAPE	14	1141	1210	1146	N22	W90	1.001	8764	7.7	29	-F		C	1146	.36				
GRP 5064	14	1315	1325		N12	W59	.877	8761	10.1	10	-N				.70				1 1
MONT	14	1315	1325D		N12	W59	.877	8761	10.1	10D	-N		C	1320	.70				O
GRP 5065	14	1339	1412	1347	N24	W62	.922	8760	9.9	33	-N				1.30				2 1
MONT	14	1330	1425D	1345	N23	W61	.914	8760	10.0	55D	-N		C	1345	1.30				O
CAPE	14	1347	1358	1349	N24	W63	.928	8760	9.8	11	-N		C	1349	.19	.50			T
GRP 5066	14	1535	1538	1537	N23	W66	.943	8760	9.7	3	-N				.33				3 3
HOUS	14	1434E	1541	1434	N24	W66	.944	8760	9.7	67D	-N		C		.10	.20		200	
UCCL	14	1533	1535	1533	N24	W64	.934	8760	9.8	2	-B		C	1533	.52				D
MEUD	14	1534	1537	1534	N23	W67	.948	8760	9.6	3	-N		C	1534	.26				D
HOUS	14	1537	1555	1545	N23	W67	.948	8760	9.6	18	-N		C		.20	.50		200	
GRP 5067	14	1551	1605	1555	N14	W62	.903	8761	10.0	14	-F				.10				1 1
HOUS	14	1551	1605	1555	N14	W62	.903	8761	10.0	14	-F		C		.10	.20		100	J
GRP 5068	14	1704	1716	1713	N14	W62	.903	8761	10.1	12	-F				.10				1 1
HOUS	14	1704	1716U	1713U	N14	W62	.903	8761	10.1	12U	-F		C		.10	.20		100	J
GRP 5069	14	1704	1734	1714	N25	W72	.972	8760	9.3	30	1B				2.33				3 2
HALE	14	1700	1736	1715	N25	W72	.972	8760	9.3	36	2B	2	C	1715	2.27				H
HOUS	14	1706U	1729	1712	N27	W75	.983	8760	9.1	23U	-B		C		.30	.90		300	E
SACP	14	1706	1738	1715	N24	W70	.963	8760	9.5	32	2N		C		2.39	5.23			
GRP 5070	14	1924	1950	1931	N12	W65	.921	8761	9.9	26	-N				.28				2 2
HOUS	14	1918	1950U	1929	N13	W65	.922	8761	9.9	32U	-N		C		.20	.40		200	K
HALE	14	1929	1950	1932	N11	W64	.912	8761	10.0	21	-N	2	C	1932	.36				
GRP 5071	14	2017	2051	2031	N13	W68	.940	8761	9.7	34	-N				.20				1 1
HOUS	14	2017U	2051	2031	N13	W68	.940	8761	9.7	34U	-N		C		.20	.50		200	
GRP 5072	14	2103	2130	2120	N12	W68	.939	8761	9.8	27	-N				.20				2 2
HOUS	14	2103	2113	2104	N14	W68	.941	8761	9.8	10	-N		C		.20	.50		200	
HOUS	14	2113	2130	2119	N14	W69	.947	8761	9.7	17	-F		C		.10	.20		100	
LOCK	14	2120E	2127U	2120E	N09	W68	.936	8761	9.8	7U	-F		C	2120	.20	.50		10	
GRP 5073	14	2106	2123	2112	N24	W66	.944	8760	9.9	17	-N				.10				1 1
HOUS	14	2106	2123	2112	N24	W66	.944	8760	9.9	17	-N		C		.10	.20		200	
GRP 5074	14	2129	2158	2136	N22	W67	.946	8760	9.9	29	-N				.80				3 2
SACP	14	2128	2150	2134	N22	W67	.946	8760	9.9	22	1N		C		1.30	2.51			
LOCK	14	2130U	2200U	2140U	N20	W65	.932	8760	10.0	30U	-F		C	2140	.30	.70		10	
HOUS	14	2130	2205	2135U	N24	W69	.958	8760	9.7	35	-N		C		.20	.50		200	K
GRP 5075	14	2236	2250	2241	N22	W67	.946	8760	9.9	14	1N				1.01				3 2
LOCK	14	2236	2248U	2241	N19	W65	.931	8760	10.1	12U	1F		C	2241	.90	2.20		10	
SACP	14	2236	2256	2241	N22	W67	.946	8760	9.9	20	1N		C		1.11	2.18			
HOUS	14	2237	2247	2241	N24	W69	.958	8760	9.8	10	-N		C		.20	.50		200	K
GRP 5076	15	0542	0549	0543	N14	W68	.941	8761	10.1	7	-N				.33				1 1
ATHN	15	0542	0549	0543	N14	W68	.941	8761	10.1	7	-N	2		0543	.33		1.60		
GRP 5077	15	1145	1159	1146	N28	E57	.902	8776	19.8	14	-N				.33				1 1
ATHN	15	1145	1159	1146	N28	E57	.902	8776	19.8	14	-N	1		1146	.33	.80	1.70		
GRP 5078	15	1204	1210	1205	N25	W72	.971	8760	10.1	6	-N				.33				1 1
ATHN	15	1204E	1210D	1205	N25	W72	.971	8760	10.1	6D	-N	1		1205	.33		1.50		
GRP 5079	15	1719	1729	1723	N30	E49	.856	8776	19.4	10	-N				1.10				2 1
SACP	15	1717	1730	1722	N28	E49	.848	8776	19.4	13	-F		C		1.10	1.57			
HALE	15	1721	1728	1723	N31	E49	.861	8776	19.4	7	-N	3	C	1723	.21	.40			E
GRP 5080	15	1725	1728	1726	S16	W88	.998	8758	9.1	3	-F				.10				1 1
HALE	15	1725	1728	1726	S16	W88	.998	8758	9.1	3	-F	2	C	1726	.10				
GRP 5081	15	1807	1836	1810	N30	E49	.856	8776	19.4	29	1F				2.21				1 1
SACP	15	1807E	1836	1810	N30	E49	.856	8776	19.4	29D	1F		C		2.21	3.19			
GRP 5082	16	0119	0234	0147	N23	E12	.513	8767	17.0	75	-N				1.03				1 1
CULG	16	0119	0234	0147	N23	E12	.513	8767	17.0	75	-N		C		1.03	1.20			L
GRP 5083	16	0437	0502	0445	N19	W27	.591	8767	14.2	25	-N				.41				1 1
CULG	16	0437	0502	0445	N19	W27	.591	8767	14.2	25	-N		C		.41	.50			L
GRP 5084	16	0810	0815		N15	W83	.996	8761	10.1	5	-N				.32				1 1
ARCE	16	0810	0815D		N15	W83	.996	8761	10.1	5D	-N		P	0810	.32	1.10			
GRP 5085	16	0844	0905	0849	N15	W85	.998	8761	10.0	21	-N				.27				2 2
ARCE	16	0840	0910D		N15	W83	.996	8761	10.1	30D	-N		C	0845	.22	.80			
CAPE	16	0847	0859	0849	N15	W87	1.000	8761	9.8	12	-N		C	0849	.31				
GRP 5086	16	1009	1040	1018	N26	E21	.610	8776	18.0	31	-F				.98				1 1
CAPE	16	1009	1040	1018	N26	E21	.610	8776	18.0	31	-F		C	1018	.98	1.30			CF

SOLAR FLARES
REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5087	16	1521	1536	1524	S22	E86	.995	8779	23.1	15	-N				.65				2 1
SACP	16	1520	1539	1524	S21	E86	.995	8779	23.1	19	-N		C		.65				
CAPS	16	1521	1533		S22	E85	.993	8779	23.0	12	-N	3							D
GRP 5088	16	1600	1612	1605	N16	W88	1.000	8761	10.1	12	-N				.28				1 1
SACP	16	1600	1612	1605	N16	W88	1.000	8761	10.1	12	-N		C		.28				
GRP 5089	16	1657	1700	1658	S20	W22	.435	8768	15.1	3	-F				.10				1 1
HALE	16	1657	1700	1658	S20	W22	.435	8768	15.1	3	-F	3	C	1658	.10	.11			
GRP 5090	16	1705	1716	1709	N22	W33	.675	8767	14.2	11	-N				.18				2 2
LOCK	16	1704	1716	1709	N22	W33	.675	8767	14.2	12	-F		C	1709	.20	.30		10	
HALE	16	1706	1715	1708	N22	W33	.675	8767	14.2	9	-N	3	C	1708	.15	.20			
GRP 5091	16	1723	1736	1727	N30	E46	.835	8776	20.2	13	-F				.40				1 1
LOCK	16	1723	1736	1727	N30	E46	.835	8776	20.2	13	-F		C	1727	.40	.70		10	
GRP 5092	16	1727	1735	1730	S18	E79	.978	8779	22.7	8	-F				.10				1 1
LOCK	16	1727	1735	1730	S18	E79	.978	8779	22.7	8	-F		C	1730	.10	.30		10	
GRP 5093	16	1818	1850	1830	S20	E81	.984	8779	22.8	32	-N				.31				2 2
LOCK	16	1815	1825	1819	S18	E79	.978	8779	22.7	10	-F		C	1819	.30	.90		10	
HALE	16	1820	1914D	1840	S21	E83	.989	8779	23.0	54D	-N	3	P	1840	.31				E
GRP 5094	16	1835	1901	1840	S20	E81	.984	8779	22.8	26	1N				.78				2 2
LOCK	16	1833	1915	1840	S18	E79	.978	8779	22.7	42	1N		C	1840	.90	2.80		20	
SACP	16	1836	1846	1840	S21	E82	.986	8779	22.9	10	-N		C		.65				
GRP 5095	16	1956	2037	2008	S37	E89	.997	8783	23.5	41	-N				.37				1 1
SACP	16	1956	2037	2008U	S37	E89	.997	8783	23.5	41	-N		C		.37				
GRP 5096	16	2004	2023	2010	N28	E37	.754	8776	19.6	19	-F				.50				1 1
LOCK	16	2004	2023	2010	N28	E37	.754	8776	19.6	19	-F		C	2010	.50	.80		10	
GRP 5097	16	2107	2124	2116	N30	E31	.723	8776	19.2	17	-F				.20				1 1
LOCK	16	2107	2124	2116	N30	E31	.723	8776	19.2	17	-F		C	2116	.20	.30		10	
GRP 5098	16	2150	2204	2156	S20	E89	.999	8779	23.6	14	-N				.29				2 2
SACP	16	2146	2202D	2154U	S21	E87	.997	8779	23.4	16D	-N		C		.37				
LOCK	16	2153	2204	2157	S19	E90	1.000	8779	23.7	11	-F		C	2157	.20	.80		10	
GRP 5099	16	2300	2329	2314	N35	W76	.990	8760	11.3	29	-F				.10				1 1
LOCK	16	2300	2329	2314	N35	W76	.990	8760	11.3	29	-F		C	2314	.10	.30		10	H
GRP 5100	17	0144	0200	0150	N26	E15	.569	8776	18.2	16	-F				.67				1 1
MANI	17	0144	0200	0150	N26	E15	.569	8776	18.2	16	-F	2		0150	.67	.83			
GRP 5101	17	0841	0910	0854	N18	W48	.797	8767	13.8	29	-F				.31				1 1
CAPE	17	0841	0910	0854	N18	W48	.797	8767	13.8	29	-F		C	0854	.31	.50			T
GRP 5102	17	0937	0946	0940	N17	W45	.764	8767	14.0	9	-N				.77				3 3
ATHN	17	0935E	0944	0935	N17	W44	.754	8767	14.1	9D	-N	2		0935	.83	1.20	1.80		
CAPS	17	0938	0947		N16	W43	.739	8767	14.2	9	-F	3		0942	.60	.80			E
CAPE	17	0938	0947	0940	N18	W48	.797	8767	13.8	9	-N		C	0940	.89	1.50			FJ
GRP 5103	17	0950	1215	1043	N26	W47	.823	8767	13.9	145	-B								1 0
SALO	17	0950	1215		N26	W47	.823	8767	13.9	145	-B		V	1120		.78	1.60		
CAPE	17	1002	1014	1008	N18	W48	.797	8767	13.8	12	-N		C	1008	.63	1.00			T
CAPE	17	1033	1054	1043	N18	W49	.806	8767	13.8	21	-N		C	1043	.31	.50			T
GRP 5104	17	2300	0030	2330	S20	W01	.251	8777	17.9	90	-F				.20				1 1
LOCK	17	2300	0030	2330	S20	W01	.251	8777	17.9	90	-F		C	2330	.20	.20		10	H
GRP 5105	17	2311	2340	2321	N31	E19	.653	8776	19.4	29	-F				.30				1 1
LOCK	17	2311	2340	2321	N31	E19	.653	8776	19.4	29	-F		C	2321	.30	.40		10	
GRP 5106	18	0652	0719	0658	N28	E20	.623	8776	19.8	27	-N				1.29				7 7
CULG	18	0651	0714D	0659	N27	E18	.599	8776	19.6	23D	-N		P		.72	.88			
ATHN	18	0652	0712	0655	N27	E18	.599	8776	19.6	20	-N	1		0655	1.16	1.40	1.90		
CAPS	18	0652	0717D		N30	E20	.646	8776	19.8	25D	-F	3		0658	1.20	1.70		142	E
CAPE	18	0652	0724	0657	N29	E21	.641	8776	19.9	32	-N		C	0657	.72	.90			
BUCA	18	0654E	0739D		N29	E22	.648	8776	19.9	45D	1N		C	0659	1.66	2.10			
MANI	18	0655E	0718	0658	N27	E20	.612	8776	19.8	23D	-F	2		0658	.72	.99			
SIBE	18	0658E	0712D	0701	N27	E21	.619	8776	19.9	14D	1F		P	0701	2.85	4.30		54	CE
GRP 5107	18	0907	0921	0910	N17	W59	.886	8767	14.0	14	-N				.60				2 2
CAPE	18	0906	0926	0910	N17	W61	.901	8767	13.8	20	-N		C	0910	.87	2.00			J
ATHN	18	0907	0916	0909	N17	W56	.863	8767	14.2	9	-N	2		0909	.33	.60	1.70		
GRP 5108	18	1016	1026	1020	N18	W60	.896	8767	13.9	10	1N				1.13				1 1
CAPE	18	1016	1026	1020	N18	W60	.896	8767	13.9	10	1N		C	1020	1.13	2.50			J
GRP 5109	18	1031	1041	1033	N18	W61	.903	8767	13.9	10	-N				.45				1 1
CAPE	18	1031	1041	1033	N18	W61	.903	8767	13.9	10	-N		C	1033	.45	1.00			JK
CAPE	18	1031	1041	1037	N18	W61	.903	8767	13.9	10	-N			1037	.45	1.00			
GRP 5110	18	1045	1053	1047	N28	E00	.550	8776	18.4	8	-F				.45				1 1
CAPE	18	1045	1053	1047	N28	E00	.550	8776	18.4	8	-F		C	1047	.45	.50			CL
GRP 5111	18	1305	1310		N17	W63	.914	8767	13.8	5	-F				.31				1 1
HUAN	18	1305	1310D		N17	W63	.914	8767	13.8	5D	-F	1	C	1307	.31	.51			D
GRP 5112	18	1715	1744	1721	N25	E13	.543	8776	19.7	29	-N				.20				1 1
HOUS	18	1715U	1744	1721	N25	E13	.543	8776	19.7	29U	-N		C		.20	.20		200	E
	18	1820	1845	NO FLARE PATROL															
GRP 5113	18	1925	1957	1931	N30	E08	.591	8776	19.4	32	-N				.65				3 3
HOUS	18	1924	1951	1929	N30	E09	.594	8776	19.5	27	-N		C		.50	.60		200	
SACP	18	1926	1953	1929U	N30	E07	.588	8776	19.3	27	-F		C		.56	.59			
HUAN	18	1926	2007	1936	N29	E08	.577	8776	19.4	41	-N	2	C	1936	.88	.94			E

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	18	2205	2210	NO FLARE PATROL															
	18	2350	0000	NO FLARE PATROL															
GRP 5114	19	0200	0214	0203	N23	E06	.483	8776	19.5	14	-N				.65				2 2
CULG	19	0159	0212	0203	N22	E05	.465	8776	19.5	13	-N		C		.62	.69			
HALE	19	0200	0216	0203	N24	E07	.501	8776	19.6	16	-N	2	C	0203	.67	.80			E
GRP 5115	19	0251	0329	0255	N27	E03	.536	8776	19.3	38	-N				.52				1 1
CULG	19	0251	0329	0255	N27	E03	.536	8776	19.3	38	-N		C		.52	.60			
GRP 5116	19	0357	0435	0405	N24	E08	.505	8776	19.8	38	-N				.80				2 2
HALE	19	0357	0435D	0407	N25	E08	.519	8776	19.8	38D	-N	1	P	0407	.88	1.00			E
CULG	19	0357	0435	0403	N23	E07	.487	8776	19.7	38	-N		C		.72	.81			F
GRP 5117	19	0543	0617	0555	N27	E04	.538	8776	19.5	34	-N				2.21				3 3
CULG	19	0543	0611	0555	N25	E05	.510	8776	19.6	28	-B		C		1.34	1.56			F
ATHN	19	0543	0606	0545	N25	E02	.505	8776	19.4	23	-N	1		0545	.99	1.00	1.70		
ATHN	19	0551	0622	0555	N29	W01	.564	8776	19.2	31	-N	1		0555	1.49	1.80	1.60		
CAPS	19	0600E	0618		N28	E06	.556	8776	19.7	18D	1F	3		0605	3.80	4.50		137	BE
GRP 5118	19	0602	0648	0625	S20	E49	.764	8779	22.9	46	-F				.72				1 1
CULG	19	0602	0648	0625	S20	E49	.764	8779	22.9	46	-F		C		.72	1.12			H
GRP 5119	19	0608	0619	0609	N22	E48	.812	8778	22.9	11	-N				.25				1 1
ATHN	19	0608	0619	0609	N22	E48	.812	8778	22.9	11	-N	1		0609	.25	.40	1.70		
GRP 5120	19	0846	0900	0847	N25	E03	.507	8776	19.6	14	-N				.76				3 2
MANI	19	0843	0901	0847	N29	E02	.564	8776	19.5	18	-N	2		0847	.31	.37			
CAPS	19	0848E	0858		N28	E04	.552	8776	19.7	10D	-N	3		0851	1.20	1.40		162	CD
WEND	19	0848	0900		N19	E02	.413	8776	19.5	12	-N								
GRP 5121	19	0947	0959	0950	N24	E60	.909	8778	23.9	12	-N				.43				3 3
MEUD	19	0947	1000		N23	E60	.907	8778	23.9	13	-F		C	0949	.31				D
ATHN	19	0949E	0958	0950	N25	E59	.905	8778	23.8	9D	-N	2		0950	.50	1.00	1.50		
ARCE	19	0951E	0951D		N24	E60	.909	8778	23.9		-N		P	0951	.47	1.00			D
GRP 5122	19	1000	1006	1001	N24	E02	.490	8776	19.6	6	-N				.66				1 1
ATHN	19	1000	1006	1001	N24	E02	.490	8776	19.6	6	-N	2		1001	.66	.80	1.40		
GRP 5123	19	1010	1050		N38	E00	.686	8776	19.4	40	-B								1 0
SALO	19	1010	1050		N38	E00	.686	8776	19.4	40	-B		V	1020		1.19	1.70		
GRP 5124	19	1010	1050		N17	W74	.972	8767	13.9	40	-N								1 0
SALO	19	1010	1050		N17	W74	.972	8767	13.9	40	-N		V	1020		.48	1.30		
GRP 5125	19	1017	1045	1025	N19	E60	.898	8778	23.9	28	-N				.67				3 2
SALO	19	1005	1045	1025	N18	E60	.896	8778	23.9	40	-B		V	1025		1.00	1.70		
SALO	19	1005	1045		N31	E48	.852	8778	23.0	40	-N		V	1025		.27	1.40		
ATHN	19	1022	1044	1024	N17	E63	.914	8778	24.2	22	-N	2		1024	.50	1.30	1.70		
MEUD	19	1025	1045		N15	E64	.918	8778	24.2	20	-F		C	1030	.83				
CAPS	19	1040E	1049		N13	E64	.915	8778	24.2	9D	1F	1							
GRP 5126	19	1348	1406	1357	S21	E46	.734	8779	23.0	18	-F				.37				1 1
SACP	19	1348	1406	1357	S21	E46	.734	8779	23.0	18	-F		C		.37	.44			
GRP 5127	19	1830	1850	1837	N29	W04	.567	8776	19.5	20	-N				.56				3 3
SACP	19	1829	1854	1844	N29	W04	.567	8776	19.5	25	-F		C		.84	.88			
HUAN	19	1830	1841	1832	N29	W03	.565	8776	19.5	11	-N	2	C	1832	.31	.33			D
MCMA	19	1832	1855	1836	N30	W05	.582	8776	19.4	23	-N		C	1836	.52	.60			E
GRP 5128	19	1935	1947	1938	S22	W24	.479	8777	18.0	12	-N				.52				2 2
MCMA	19	1934	1946	1937	S22	W24	.479	8777	18.0	12	-N		C	1937	.62	.70			E
HUAN	19	1936	1947	1939	S21	W24	.471	8777	18.0	11	-F	2	C	1939	.41	.42			D
GRP 5129	19	1942	2003	1946	N29	W06	.570	8776	19.4	21	-N				.76				4 4
HALE	19	1940	1950D	1945	N29	W05	.568	8776	19.4	10D	1B	2	P	1945	1.70	2.10			
HOUS	19	1941	2003U	1945	N27	W09	.551	8776	19.1	22U	-N		C		.50	.60		200	E
MCMA	19	1943	2005	1946	N30	W06	.584	8776	19.4	22	-N		C	1946	.52	.60			E
HUAN	19	1945	2001	1948	N28	W04	.552	8776	19.5	16	-N	2	C	1948	.31	.33			D
GRP 5130	19	2205	2227	2213	N29	W06	.570	8776	19.5	22	-N				.92				5 5
SACP	19	2201	2217	2211	N30	W06	.584	8776	19.5	16	-F		C		1.20	1.28			
CULG	19	2205	2235	2214	N28	W07	.559	8776	19.4	30	-B		C		.52	.63			L
HOUS	19	2206	2223	2216	N30	W06	.584	8776	19.5	17	-N		C		.50	.60		200	EH
HUAN	19	2207	2227		N29	W06	.570	8776	19.5	20	-N	1	C	2215	.62	.66			EH
HALE	19	2207	2232	2211	N29	W05	.568	8776	19.5	25	1B	2	C	2211	1.75	2.10			H
GRP 5131	19	2257	2348	2333	N26	W26	.645	8776	18.0	51	-F				.93				1 1
CULG	19	2257	2348	2333	N26	W26	.645	8776	18.0	51	-F		C		.93	1.17			FS
GRP 5132	20	0212	0246	0218	N29	W06	.569	8776	19.6	34	-N				.47				2 2
CULG	20	0209	0246	0220	N28	W07	.558	8776	19.6	37	-F		C		.62	.72			
HALE	20	0214	0245	0216	N29	W05	.567	8776	19.7	31	-N	1	C	0216	.31	.40			JV
GRP 5133	20	1600	1635	1602	S23	W34	.606	8777	18.1	35	-F				.70				1 1
LOCK	20	1600E	1635	1602U	S23	W34	.606	8777	18.1	35D	-F		C	1602	.70	.90		10	
GRP 5134	20	1723	1756	1746	S14	E51	.777	8781	24.5	33	-F				.50				1 1
LOCK	20	1723	1756	1746	S14	E51	.777	8781	24.5	33	-F		C	1746	.50	.80		10	
GRP 5135	20	1804	1818		S14	E51	.777	8781	24.6	14	-F				.55				1 1
HUAN	20	1804	1818		S14	E51	.777	8781	24.6	14	-F	1	C	1808	.55	.70			D
GRP 5136	20	1830	1915	1845	S14	E51	.777	8781	24.6	45	-F				.40				1 1
LOCK	20	1830	1915	1845	S14	E51	.777	8781	24.6	45	-F		C	1845	.40	.60		10	J
GRP 5137	20	2103	2127	2112	S14	E51	.777	8781	24.7	24	-F				.30				1 1
LOCK	20	2103	2127	2112	S14	E51	.777	8781	24.7	24	-F		C	2112	.30	.50		10	
GRP 5138	20	2112	2212	2134	N30	E55	.893	8793	25.0	60	1B				2.58				1 1
CULG	20	2112E	2212	2134	N30	E55	.893	8793	25.0	60D	1B		C		2.58	5.00			FKL

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5139	20	2115	2213	2125	N20	E58	.885	8778	25.2	58	1N				1.38				3 3
HALE	20	2112	2226	2118	N17	E60	.893	8778	25.4	74	-N	2	C	2118	.52	1.10			LW
SACP	20	2117	2215	2128	N22	E56	.876	8778	25.1	58	1N		C		2.12	3.20			
HOUS	20	2122E	2159	2128	N22	E58	.890	8778	25.2	37D	1N		C		1.50	3.10		200	E
GRP 5140	20	2118	2218	2133	N21	E55	.866	8778	25.0	60	2N				3.26				2 2
LOCK	20	2115	2210	2131	N21	E54	.858	8778	24.9	55	1N		C	2131	2.50	4.80		20	L
HALE	20	2120	2226	2135	N21	E55	.866	8778	25.0	66	2N	2	C	2135	4.02	8.20			FGL
GRP 5141	20	2130	2230	2145	S14	E50	.766	8781	24.6	60	-F				.40				1 1
LOCK	20	2130	2230	2145	S14	E50	.766	8781	24.6	60	-F		C	2145	.40	.60		10	J
GRP 5142	20	2211	2234	2215	N30	W18	.632	8776	19.6	23	-N				.89				5 5
CULG	20	2209	2246	2214	N28	W21	.628	8776	19.3	37	-N		C		.93	1.17			
HUAN	20	2212	2222	2216	N29	W20	.633	8776	19.4	10	-F	2	C	2216	.62	.68			E
SACP	20	2212	2228	2215	N28	W20	.621	8776	19.4	16	-N		C		1.29	1.42			
HALE	20	2212	2240	2216	N32	W13	.632	8776	19.9	28	-N	2	C	2216	.62	.80			
HOUS	20	2213E	2235	2215	N31	W15	.629	8776	19.8	22D	-N		C		1.00	1.30		200	E
GRP 5143	20	2253	2311	2256	N24	W17	.553	8776	19.7	18	-F				.46				1 1
HALE	20	2253	2311D	2256	N24	W17	.553	8776	19.7	18D	-F	2	P	2256	.46	.60			
GRP 5144	21	0243	0305	0250	S22	W43	.705	8777	17.9	22	-F				.52				1 1
MITK	21	0243	0305	0250	S22	W43	.705	8777	17.9	22	-F		C	0250	.52	.70			E
GRP 5145	21	0806	0820	0808	N20	E30	.626	8778	23.6	14	1F				1.82				2 2
CAPE	21	0806	0814	0808	N19	E29	.607	8778	23.5	8	-F		C	0808	.87	1.10			
BUCA	21	0806E	0825D		N20	E30	.626	8778	23.6	19D	1F		C	0812	2.76	3.60			
GRP 5146	21	0823	0847		S14	E43	.685	8781	24.6	24	1F				2.21				1 1
BUCA	21	0823E	0847D		S14	E43	.685	8781	24.6	24D	1F		C	0825	2.21	3.10			
GRP 5147	21	1326	1346	1340	N29	W25	.666	8776	19.7	20	-N				.46				3 3
HUAN	21	1326	1340		N29	W28	.688	8776	19.5	14	-N	1	C	1330	.50	.57			D
UCCL	21	1335E	1350D		N30	W20	.643	8776	20.1	15D	-N		P	1337	.52	1.00			
CAPE	21	1337E	1349D	1340	N29	W27	.680	8776	19.5	12D	-N		P	1340	.36	.50			
GRP 5148	21	1335	1357		S20	W45	.722	8777	18.2	22	-N				.52				1 1
UCCL	21	1335E	1357D		S20	W45	.722	8777	18.2	22D	-N		P	1337	.52	1.00			
GRP 5149	21	1335	1350		S14	E45	.709	8781	24.9	15	-N				.52				1 1
UCCL	21	1335E	1350D		S14	E45	.709	8781	24.9	15D	-N		P	1342	.52	1.00			
GRP 5150	21	1834	1856	1841	S21	E22	.448	8779	23.4	22	-N				.90				2 2
SACP	21	1834	1855	1841	S21	E21	.436	8779	23.3	21	-N		C		1.30	1.31			
HUAN	21	1846E	1856D		S21	E22	.448	8779	23.4	10D	-N	1	P	1846	.50	.50			D
GRP 5151	21	2004	2021	2009	N28	E79	.992	8785	27.8	17	-N				.38				2 2
SACP	21	2004	2015	2008	N29	E76	.986	8785	27.5	11	-F		C		.56				
HOUS	21	2005E	2026	2009	N26	E81	.995	8785	27.9	21D	-N		C		.20	.70		200	
GRP 5152	21	2104	2118	2107	N30	E80	.994	8785	27.9	14	-N				.48				3 3
HOUS	21	2104U	2116	2106	N26	E81	.995	8785	28.0	12U	-B		C		.20	.70		300	E
SACP	21	2104	2119	2108	N28	E78	.990	8785	27.7	15	-N		C		.93				
CULG	21	2105	2119	2107	N37	E80	.996	8785	27.9	14	-N		C		.31				
GRP 5153	21	2116	2129	2119	N28	W32	.710	8776	19.5	13	-N				.53				2 2
CULG	21	2114	2130	2119	N27	W33	.711	8776	19.4	16	-N	1	C		.41	.56			
SACP	21	2117	2128	2119	N28	W31	.702	8776	19.6	11	-N		C		.65	.76			
GRP 5154	21	2158	2203	2200	N27	W33	.711	8776	19.4	5	-N				.72				1 1
CULG	21	2158	2203	2200	N27	W33	.711	8776	19.4	5	-N	1	C		.72	.98			
GRP 5155	22	0001	0012	0004	S23	W55	.828	8777	17.9	11	-N				.53				2 2
CULG	22	0000	0013	0005	S23	W55	.828	8777	17.9	13	-N		C		.41	.98			
SACP	22	0001	0010	0003	S22	W54	.818	8777	18.0	9	-N		C		.64	.86			
GRP 5156	22	0050	0109	0053	S26	W59	.866	8777	17.6	19	-N				.92				2 2
SACP	22	0049	0109	0053	S25	W57	.849	8777	17.8	20	-N		C		1.21	1.72			
CULG	22	0051	0108	0053	S26	W60	.874	8777	17.5	17	-N		C		.62	1.20			
GRP 5157	22	0052	0118	0056	N17	W08	.397	8778	21.4	26	-N				.62				1 1
CULG	22	0052	0118	0056	N17	W08	.397	8778	21.4	26	-N		C		.62	.66			
GRP 5158	22	0138	0151	0143	N24	E23	.597	8778	23.8	13	-N				.62				2 2
CULG	22	0138	0147	0142	N23	E23	.587	8778	23.8	9	-N		C		.72	.88			F
MANI	22	0143E	0155	0144	N25	E22	.600	8778	23.7	12D	-F	2		0144	.52	.65			
GRP 5159	22	0215	0244	0233	S26	W60	.874	8777	17.6	29	-N				.72				1 1
CULG	22	0215	0244	0233	S26	W60	.874	8777	17.6	29	-N		C		.72	1.40			
GRP 5160	22	0423	0440	0426	S27	E10	.406	8779	22.9	17	-B				.93				1 1
CULG	22	0423	0440	0426	S27	E10	.406	8779	22.9	17	-B		C		.93	.99			H
GRP 5161	22	0619	0644	0624	N17	W08	.397	8778	21.7	25	-N				.62				1 1
CULG	22	0619	0644	0624	N17	W08	.397	8778	21.7	25	-N		C		.62	.66			
GRP 5162	22	0925	0935	0929	N27	E76	.985	8785	28.1	10	1N				.90				1 1
CAPE	22	0925	0935	0929	N27	E76	.985	8785	28.1	10	1N		C	0929	.90				
GRP 5163	22	1127	1148	1135	N27	E80	.993	8785	28.5	21	-F				.36				1 1
CAPE	22	1127	1148	1135	N27	E80	.993	8785	28.5	21	-F		C	1135	.36				
GRP 5164	22	1243	1250	1243	N30	W40	.787	8776	19.5	7	-N				.32				1 1
CAPE	22	1243	1250	1243	N30	W40	.787	8776	19.5	7	-N		C	1243	.32	.50			
GRP 5165	22	1303	1317	1309	N28	W38	.758	8776	19.7	14	-N				.80				3 3
CAPE	22	1301	1321	1310	N29	W39	.773	8776	19.6	20	-N		C	1310	.54	.80			F
SACP	22	1304	1315	1308	N26	W38	.745	8776	19.7	11	-N		C		1.02	1.25			
ATHN	22	1305	1314	1309	N29	W37	.757	8776	19.8	9	-F	1		1309	.83	1.20	1.40		
GRP 5166	22	1339	1355	1345	S21	E13	.348	8779	23.5	16	-F				1.58				1 1
CAPE	22	1339	1355	1345	S21	E13	.348	8779	23.5	16	-F		C	1345	1.58	1.70			F

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5167	22	1402	1419	1406	N24	E75	.980	8785	28.2	17	-N				.37				3 3
CAPE	22	1356	1427	1403	N26	E78	.989	8785	28.4	31	-N		C	1403	.27	1.60			
CAPS	22	1402E	1415		N24	E78	.988	8785	28.4	13D	-N	3		1405	.50				CE
ATHN	22	1407	1414	1409	N23	E69	.956	8785	27.8	7	-N	1		1409	.33		1.50		
GRP 5168	22	1450	1504	1454	S24	W64	.901	8777	17.8	14	-F				.83				1 1
ATHN	22	1450E	1504	1454	S24	W64	.901	8777	17.8	14D	-F	1		1454	.83	1.70	1.20		
GRP 5169	22	1730	1800	1740	N27	W45	.809	8776	19.4	30	-F				.10				1 1
LOCK	22	1730	1800	1740	N27	W45	.809	8776	19.4	30	-F		C	1740	.10	.20		10	H
GRP 5170	22	1825	1900	1835	N27	W45	.809	8776	19.4	35	-F				.10				1 1
LOCK	22	1825	1900	1835	N27	W45	.809	8776	19.4	35	-F		C	1835	.10	.20		10	H
GRP 5171	22	2022	2202	2031	N27	E65	.942	8785	27.7	100	-N				.77				2 2
SACP	22	2020	2158	2033	N27	E64	.937	8785	27.6	98	-N		C		.84	1.54			
LOCK	22	2023	2048	2029	N27	E66	.947	8785	27.8	25	-F		C	2029	.70	1.80		10	
LOCK	22	2132	2205	2140	N27	E66	.947	8785	27.8	33	-F		C	2140	.30	.80		10	
GRP 5172	22	2150	2206	2152	S17	E23	.431	8781	24.6	16	-N				.52				1 1
CULG	22	2150	2206	2152	S17	E23	.431	8781	24.6	16	-N		C		.52	.55			
GRP 5173	22	2249	2349	2259	N27	E63	.932	8785	27.7	60	-N				.62				2 2
LOCK	22	2245	2310U	2257	N26	E62	.924	8785	27.6	25U	-F		C	2257	.30	.70		10	
SACP	22	2252	2349	2300	N27	E63	.932	8785	27.7	57	-N		C		.93	1.68			
GRP 5174	22	2314	2334	2318	S22	E00	.292	8779	23.0	20	-B				.84				2 2
CULG	22	2312	2333	2318	S24	W01	.325	8779	22.9	21	-B		C		.93	.95			L
SACP	22	2316	2335	2318	S20	E01	.259	8779	23.0	19	-N		C		.74	.73			
GRP 5175	23	0016	0058	0042	N26	E64	.935	8785	27.8	42	-N				.84				1 1
SACP	23	0016	0058	0042	N26	E64	.935	8785	27.8	42	-N		C		.84	1.54			
GRP 5176	23	0024	0049	0034	S22	W68	.926	8777	17.9	25	1N				1.26				5 5
CULG	23	0019	0050	0036	S23	W68	.926	8777	17.9	31	1N		C		1.03				
SACP	23	0022	0050	0039	S22	W67	.919	8777	18.0	28	-N		C		.74	1.29			
MANI	23	0026E	0050	0028	S22	W67	.919	8777	18.0	24D	1B	3		0028	1.03	2.10			
IKOM	23	0027	0040	0032	S22	W67	.919	8777	18.0	13	1N		V	0032	1.24	3.20	1.52	120	E
MITK	23	0036E	0056D		S22	W70	.937	8777	17.8	20D	2F		C	0045	2.27				
GRP 5177	23	0116	0130	0119	S22	W68	.926	8777	18.0	14	-N				.59				4 4
IKOM	23	0115E	0125		S22	W67	.919	8777	18.0	10D	-F		V	0115	.72	1.80	1.18	80	D
CULG	23	0115	0130	0117	S23	W68	.926	8777	18.0	15	-N		C		.41				
MANI	23	0119	0130	0121	S22	W67	.919	8777	18.0	11	-N	3		0121	.31	.63			
MITK	23	0126E	0135D		S22	W70	.937	8777	17.8	9D	1F		C	0128	.93				
GRP 5178	23	0357	0420	0404	N23	E05	.475	8778	23.5	23	-N				1.86				2 2
CULG	23	0357	0431	0404	N23	E07	.481	8778	23.7	34	-N		C		1.44	1.61			L
TACH	23	0403E	0408		N23	E03	.471	8778	23.4	5D	-F		V	0403	2.28	2.60	1.90	51	E
GRP 5179	23	0523	0540	0523	N21	E03	.440	8778	23.4	17	1N				2.31				1 1
ATHN	23	0523E	0540D	0523	N21	E03	.440	8778	23.4	17D	1N	1		0523	2.31	2.60	1.50		
GRP 5180	23	0600	0612		N26	E64	.935	8785	28.1	12	1F				2.00				1 1
CAPS	23	0600E	0612		N26	E64	.935	8785	28.1	12D	1F	3		0604	2.00			135	B
GRP 5181	23	0745	0810		S14	E18	.341	8781	24.7	25	1N				2.50				1 1
CAPS	23	0745	0810D		S14	E18	.341	8781	24.7	25D	1N	1		0752	2.50	2.60			E
GRP 5182	23	0820	0845		N27	E60	.914	8785	27.8	25	-F				.61				1 1
ARCE	23	0820E	0845D		N27	E60	.914	8785	27.8	25D	-F		C	0820	.61	1.40			E
GRP 5183	23	1205	1226		S22	W70	.937	8777	18.3	21	-F				.30				1 1
CAPS	23	1205E	1226D		S22	W70	.937	8777	18.3	21D	-F	2		1208	.30				
GRP 5184	23	1340	1453	1446	S20	W61	.875	8777	19.0	73	-N				.66				1 1
SALO	23	1340	1450		S18	W72	.948	8777	18.2	70	-N		V	1420		1.04	1.60		
ATHN	23	1445	1455	1446	S22	W50	.780	8777	19.9	10	-N	1		1446	.66	1.10	1.60		
GRP 5185	23	1350	1406	1352	N27	E53	.869	8785	27.6	16	-N				.50				1 1
ATHN	23	1350	1406	1352	N27	E53	.869	8785	27.6	16	-N	2		1352	.50	1.00	1.40		
GRP 5186	23	1350	1430		N32	W56	.904	8776	19.4	40	-B								1 0
SALO	23	1350	1430		N32	W56	.904	8776	19.4	40	-B		V	1410		.93	1.70		
GRP 5187	23	1414	1446	1422	N21	E30	.632	8793	25.8	32	-F				1.42				3 3
SACP	23	1412	1457	1424	N21	E31	.642	8793	25.9	45	-F		C		1.51	1.67			
CAPE	23	1416	1422D		N21	E30	.632	8793	25.8	6D	1F		P	1421	1.58	2.10			C
ATHN	23	1417E	1435	1419	N20	E30	.624	8793	25.8	18D	-N	2		1419	1.16	1.40	1.50		
GRP 5188	23	1648	1709	1653	S21	W04	.284	8779	23.4	21	-F				.39				2 2
LOCK	23	1645E	1715	1652	S21	W04	.284	8779	23.4	30D	-F		C	1652	.40	.40		10	
HUAN	23	1651	1703	1653	S21	W04	.284	8779	23.4	12	-F	2	C	1653	.37	.37			D
GRP 5189	23	1702	1737	1710	N17	W05	.383	8778	23.3	35	-N				.92				4 3
LOCK	23	1654	1745	1712	N18	W07	.406	8778	23.2	51	-F		C	1712	1.20	1.30		10	
HUAN	23	1706	1727	1709	N17	W07	.391	8778	23.2	21	-N	2	C	1709	.83	.83			E
HALE	23	1707	1739	1709	N16	W02	.359	8778	23.6	32	-N	1	C	1709	.15	.20			
MCMA	23	1713E	1713D		N16	W04	.364	8778	23.4		-N		P	1713	.72	.80			E
GRP 5190	23	2212	2222	2217	N27	W42	.784	8776	20.8	10	-N				.31				1 1
CULG	23	2212	2222	2217	N27	W42	.784	8776	20.8	10	-N		C		.31	.51			H
GRP 5191	24	0020	0040	0027	N20	W04	.425	8778	23.7	20	-N				.97				3 3
SACP	24	0016	0041	0026	N19	W05	.413	8778	23.6	25	-N		C		1.68	1.69			
CULG	24	0020	0039D	0028	N19	W05	.413	8778	23.6	19D	-N		P		.83	.88			F
MANI	24	0023	0039	0027	N21	W01	.436	8778	23.9	16	-F	2		0027	.41	.46			
GRP 5192	24	0022	0102	0032	N28	E52	.865	8785	27.9	40	-N				.74				1 1
SACP	24	0022	0102	0032	N28	E52	.865	8785	27.9	40	-N		C		.74	1.09			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5193	24	0234	0247	0235	S23	W78	.975	8777	18.3	13	-N				.15				1 1
MANI	24	0234E	0247	0235	S23	W78	.975	8777	18.3	13D	-N	2		0235	.15	.37			
GRP 5194	24	0739	0755		N20	W09	.444	8778	23.6	16	1N				1.03				2 1
UCCL	24	0739	0755D		N20	W09	.444	8778	23.6	16D	1N		P	0740	1.03	1.30			EH
CAPS	24	0741E	0754D		N19	W08	.425	8778	23.7	13D	-N	2							CEH
GRP 5195	24	0912	0918	0913	S20	W10	.309	8779	23.6	6	-N				.33				1 1
ATHN	24	0912	0918	0913	S20	W10	.309	8779	23.6	6	-N	2		0913	.33	.34	1.40		
GRP 5196	24	0945	0951		S20	W12	.328	8779	23.5	6	-N				.33				1 1
ATHN	24	0945E	0951D		S20	W12	.328	8779	23.5	6D	-N	2		0948	.33	.34	1.60		
GRP 5197	24	1025	1041	1028	N22	W08	.469	8778	23.8	16	1F				1.59				3 3
MEUD	24	1024	1035	1027	N22	W07	.465	8778	23.9	11	-F		C	1027	1.24	1.30			E
CAPS	24	1025	1040		N24	W07	.495	8778	23.9	15	1F	2		1027	1.70	2.00		140	F
ATHN	24	1025	1049	1028	N20	W09	.444	8778	23.8	24	1N	2		1028	1.82	2.10	1.70		
GRP 5198	24	1129	1134	1130	S12	E02	.129	8781	24.6	5	-F				.33				1 1
ATHN	24	1129	1134	1130	S12	E02	.129	8781	24.6	5	-F	2		1130	.33	.34	1.30		
GRP 5199	24	1203	1215	1207	S26	W65	.910	8777	19.6	12	-F				.25				1 1
HUAN	24	1203	1215	1207	S26	W65	.910	8777	19.6	12	-F	2	C	1207	.25	.41			D
GRP 5200	24	1250	1420		N30	W70	.968	8776	19.3	90	-N								1 0
SALO	24	1250	1420		N30	W70	.968	8776	19.3	90	-N		P	1300		.83	1.40		
GRP 5201	24	1435	1446	1436	N10	W17	.383	8778	23.3	11	-F				.50				1 1
ATHN	24	1435	1446	1436	N10	W17	.383	8778	23.3	11	-F	1		1436	.50	.50	1.30		
GRP 5202	24	1520	1529	1522	N21	W39	.721	8778	21.7	9	-F				.41				3 3
SACP	24	1516	1532	1522	N20	W39	.715	8778	21.7	16	-F		C		.37	.43			
HUAN	24	1521	1526	1522	N21	W39	.721	8778	21.7	5	-F	2	C	1522	.35	.42			E
UCCL	24	1522	1528	1523	N23	W38	.724	8778	21.8	6	-N		C	1523	.52				
GRP 5203	24	1650	1721	1708	N29	E44	.810	8785	28.0	31	-F				.30				1 1
LOCK	24	1650	1721	1708	N29	E44	.810	8785	28.0	31	-F		C	1708	.30	.50		10	H
GRP 5204	24	1730	1753	1735	N29	E44	.810	8785	28.0	23	-F				.50				1 1
LOCK	24	1730	1753	1735	N29	E44	.810	8785	28.0	23	-F		C	1735	.50	.90		10	H
GRP 5205	24	1730	1753	1748	N29	E44	.810	8785	28.0	23	-F				.50				1 1
LOCK	24	1730	1753	1748	N29	E44	.810	8785	28.0	23	-F		C	1748	.50	.90		10	H
GRP 5206	24	1801	1822	1810	N17	W19	.482	8778	23.3	21	1N				2.69				2 1
SACP	24	1759	1827	1811	N17	W19	.482	8778	23.3	28	1N		C		2.69	2.76			
HUAN	24	1802	1816	1808	N16	W18	.461	8778	23.4	14	-N	2	C	1808	.55	.56			E
GRP 5207	24	1808	1831	1813	N28	E42	.789	8785	27.9	23	-N				1.00				2 2
HUAN	24	1807	1825	1813	N28	E42	.789	8785	27.9	18	-N	1	C	1813	.80	1.04			
SACP	24	1808	1836	1813	N28	E42	.789	8785	27.9	28	-N		C		1.20	1.55			
GRP 5208	24	1857	1918	1910	N30	E44	.816	8785	28.1	21	-F				.50				1 1
LOCK	24	1857	1918	1910	N30	E44	.816	8785	28.1	21	-F		C	1910	.50	.90		10	H
GRP 5209	24	2010	2032	2016	N19	W17	.487	8778	23.6	22	-F				.56				1 1
SACP	24	2010	2032	2016	N19	W17	.487	8778	23.6	22	-F		C		.56	.57			
GRP 5210	24	2022	2045	2032	N28	E44	.805	8785	28.1	23	-N				1.06				3 2
LOCK	24	2020	2046	2033	N29	E44	.810	8785	28.1	26	-N		C	2033	.90	1.50		20	H
SACP	24	2024	2048	2032	N29	E43	.803	8785	28.1	24	-N		C		1.21	1.59			
HOUS	24	2027D	2042	2032	N27	E45	.808	8785	28.2	15D	-N		C		.20	.30		200	EJ
GRP 5211	24	2058	2122	2104	S21	W19	.415	8779	23.4	24	-F				.41				4 4
SACP	24	2052	2126	2108	S21	W20	.427	8779	23.4	34	-F		C		1.01	1.01			
HOUS	24	2059	2107	2100	S20	W19	.405	8779	23.4	8	-F		C		.20	.20		100	E
LOCK	24	2059	2112	2101	S22	W19	.425	8779	23.4	13	-F		C	2101	.20	.20		10	
HALE	24	2100	2141	2105	S20	W19	.405	8779	23.5	41	-N	1	C	2105	.21	.21			
GRP 5212	24	2103	2112	2107	N29	E43	.803	8785	28.1	9	-N				.80				2 2
LOCK	24	2102	2110	2106	N29	E44	.810	8785	28.2	8	-F		C	2106	.40	.70		10	H
SACP	24	2104	2113	2107	N29	E41	.787	8785	28.0	9	-N		C		1.20	1.55			
GRP 5213	24	2155	2218	2203	N28	E42	.789	8785	28.1	23	-N				.73				5 5
MANI	24	2153	2216	2158	N27	E41	.775	8785	28.0	23	-N	2		2158	.67	1.02			
MANI	24	2153	2216	2205	N27	E41	.775	8785	28.0	23	-N								
LOCK	24	2155	2218	2201	N29	E44	.810	8785	28.2	23	-F		C	2201	1.00	1.70		20	H
SACP	24	2156	2218	2204	N29	E42	.795	8785	28.1	22	-N		C		1.10	1.43			
HALE	24	2156	2219	2204	N28	E41	.781	8785	28.0	23	-N	2	C	2204	.26	.40			
CULG	24	2156	2219	2202	N29	E42	.795	8785	28.1	23	-N		C		.62	.96			H
GRP 5214	24	2303	2316	2308	N29	E42	.795	8785	28.1	13	-N				.47				2 2
CULG	24	2259	2316	2308	N29	E42	.795	8785	28.1	17	-N		C		.62	.96			H
HALE	24	2307	2315	2307	N28	E41	.781	8785	28.0	8	-N	2	C	2307	.31	.50			
GRP 5215	24	2346	0012	2347	N28	E41	.781	8785	28.1	26	-N				.47				2 2
CULG	24	2343E	0023D	2343	N29	E42	.795	8785	28.1	40D	-N		P		.62	.96			L
MANI	24	2348	0000	2351	N27	E40	.767	8785	28.0	12	-N	2		2351	.31	.46			
GRP 5216	25	0206	0233	0214	N29	E42	.794	8785	28.2	27	-N				.83				2 2
CULG	25	0201	0235	0213	N29	E42	.794	8785	28.2	34	-N		C		.83	1.28			H
MITK	25	0211	0230	0215	N28	E42	.789	8785	28.2	19	-F		C	0215	.83	1.30			D
GRP 5217	25	0227	0244	0229	N28	E38	.756	8785	28.0	17	1N				2.07				2 2
MANI	25	0223E	0242	0226	N27	E38	.750	8785	27.9	19D	-N	2		0226	.72	1.11			
SIBE	25	0230E	0245D	0231	N28	E38	.756	8785	28.0	15D	1F		P	0231	3.41	5.10		58	C
GRP 5218	25	0241	0320	0245	S28	W73	.955	8777	19.6	39	-F				.41				1 1
CULG	25	0241	0320	0245	S28	W73	.955	8777	19.6	39	-F		C		.41				

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5219	25	0324	0342	0329	N28	E39	.764	8785	28.1	18	-N				1.62				3 3
CULG	25	0321	0342	0330	N29	E42	.794	8785	28.3	21	-N		C		.72	1.12			L
MITK	25	0326	0339	0328	N28	E41	.781	8785	28.2	13	-N		C	0328	.83	1.30			
TACH	25	0333E	0346		N26	E35	.717	8785	27.8	13D	1N		V	0333	3.30	5.00	2.90	66	EH
GRP 5220	25	0425	0450		S26	W70	.939	8777	19.9	25	1N				1.75				1 1
TACH	25	0425E	0450D		S26	W70	.939	8777	19.9	25D	1N		V	0425	1.75		1.80	75	D
GRP 5221	25	0503	0532	0508	S14	W08	.210	8781	24.6	29	1N				2.96				5 5
ATHN	25	0500	0528	0505	S13	W07	.186	8781	24.7	28	1B	2		0505	2.31	2.40	2.00		
MITK	25	0500E	0532D	0510	S14	W08	.210	8781	24.6	32D	-N		C	0510	1.86	1.90			E
MANI	25	0503E	0534		S14	W08	.210	8781	24.6	31D	1N	2		0505	2.06	2.10			
IKOM	25	0508	0535D		S14	W08	.210	8781	24.6	27D	1N		V	0510	3.09	3.20			EO
TACH	25	0509E	0525D		S13	W10	.222	8781	24.5	16D	2F		V	0509	5.47	5.60	2.00	87	EG
GRP 5222	25	0746	0759	0751	N27	E38	.750	8785	28.2	13	-N				.57				2 2
BUCA	25	0741E	0754D		N26	E37	.734	8785	28.1	13D	-F		C	0749	.61	.90			
UCCL	25	0750	0759	0751	N27	E38	.750	8785	28.2	9	-N		C	0751	.52				D
GRP 5223	25	0751	0801		S46	W26	.731	8783	23.4	10	-F								1 0
CAPS	25	0751E	0801D		S46	W26	.731	8783	23.4	10D	-F	1							CG
GRP 5224	25	0755	0819	0758	S19	E62	.883	8788	30.0	24	1N				.73				2 2
BUCA	25	0754E	0828D		S18	E60	.866	8788	29.8	34D	1N		P	0759	1.10	2.30			
CAPE	25	0756	0809	0758	S19	E64	.898	8788	30.1	13	-N		C	0758	.36	.90			
GRP 5225	25	0827	0843	0831	N27	E37	.741	8785	28.1	16	-N				1.39				7 7
ARCE	25	0825E	0825D		N28	E36	.740	8785	28.1		-N		P	0825	.75	1.10			O
BUCA	25	0825E	0839D		N26	E37	.734	8785	28.1	14D	1N		C	0828	1.66	2.50			
CAPE	25	0825	0842	0830	N28	E37	.748	8785	28.1	17	-B		C	0830	1.13	1.70			TV
CAPS	25	0826E	0841D		N25	E37	.727	8785	28.1	15D	1N	2		0830	2.50	3.50		189	C
SIBE	25	0827E	0840D	0831	N27	E38	.750	8785	28.2	13D	-F		P	0831	1.13	1.70		80	CD
MONT	25	0827	0900	0830	N28	E37	.748	8785	28.1	33	-N		C	0830	1.50				EO
ARCE	25	0830	0837	0830	N28	E36	.740	8785	28.1	7	-B		C	0830	.67	1.00			C
UCCL	25	0831	0842	0836	N25	E36	.718	8785	28.1	11	1N		C	0836	1.03				
GRP 5226	25	0927	0946	0929	N35	W70	.973	8776	20.1	19	-F				.19				1 1
CAPE	25	0927	0946	0929	N35	W70	.973	8776	20.1	19	-F		C	0929	.19	.70			C
GRP 5227	25	0927	0959	0934	S25	W75	.963	8777	19.8	32	1B				.93				8 7
MONT	25	0926	0955	0932	S26	W76	.967	8777	19.7	29	1B		C	0932	1.00				O
CAPE	25	0926	1000	0935	S26	W76	.967	8777	19.7	34	1B		C	0935	.90	4.00			
CAPS	25	0927E	1008		S28	W72	.950	8777	20.0	41D	1B	2		0930	1.20				C
NERA	25	0927E	0940D		S25	W75	.963	8777	19.8	13D	2N	3							
MANI	25	0928E	0938D		S16	W75	.963	8777	19.8	10D	1N	1		0930	1.03	2.40			
SIBE	25	0928E	0956D	0934	S26	W77	.971	8777	19.6	28D	-N		P	0934	1.13			84	CD
ARCE	25	0930	0956D	0930	S25	W72	.949	8777	20.0	26D	-N		C	0930	.38	.90			
LOCA	25	0935E	1000	0938	S27	W73	.955	8777	19.9	25D	1B		V	0938	.85				
GRP 5228	25	1015	1053	1026	N16	W16	.440	8778	24.2	38	-F				1.36				1 1
CAPE	25	1015	1053	1023	N14	W19	.448	8778	24.0	38	-F		C	1023	1.36	1.50			I
CAPE	25	1017	1043	1026	N19	W14	.461	8778	24.4	26	-F		C	1026	.45	.50			IT
GRP 5229	25	1023	1051	1033	N16	W16	.440	8778	24.2	28	-F				.90				1 1
CAPE	25	1023	1051	1033	N16	W16	.440	8778	24.2	28	-F		C	1033	.90	1.00			I
GRP 5230	25	1024	1033	1027	S19	E63	.891	8788	30.2	9	-F				.23				1 1
CAPE	25	1024	1033	1027	S19	E63	.891	8788	30.2	9	-F		C	1027	.23	.50			
GRP 5231	25	1042	1050	1047	S21	W27	.512	8779	23.4	8	1N				1.77				4 4
MONT	25	1015	1047	1040	S20	W26	.493	8779	23.5	32	-N		C	1040	1.00				O
CAPE	25	1038	1051	1041	S21	W28	.525	8779	23.3	13	1N		C	1041	1.90	2.20			T
CAPS	25	1041E	1052		S22	W25	.496	8779	23.6	11D	1F	2		1044	2.10	2.40		132	C
UCCL	25	1046	1051	1047	S22	W27	.520	8779	23.4	5	1N		C	1047	2.06	3.20			E
GRP 5232	25	1044	1107	1052	S23	W75	.963	8777	19.8	23	1F				1.22				1 1
CAPE	25	1044	1107	1052	S23	W75	.963	8777	19.8	23	1F		C	1052	1.22	4.70			
GRP 5233	25	1132	1224	1148	S21	W28	.525	8779	23.4	52	-N				.78				4 4
HUAN	25	1125E	1232		S21	W28	.525	8779	23.4	67D	-N	1	C	1140	.57	.60			E
MCMA	25	1130E	1230	1135	S22	W26	.508	8779	23.5	60D	-N		C	1135	.52	.60			E
UCCL	25	1141	1214		S20	W30	.543	8779	23.2	33	-N		P	1147	1.24	1.80			E
MONT	25	1145	1220	1200	S20	W27	.506	8779	23.5	35	-N		C	1200	.80				O
GRP 5234	25	1224	1240	1227	S13	W12	.249	8781	24.6	16	1F				5.43				3 1
HUAN	25	1224	1240		S13	W12	.249	8781	24.6	16	-F	2	C	1230	.41	.41			E
CAPE	25	1224	1244	1227	S12	W12	.240	8781	24.6	20	2F		C	1227	5.43	5.60			FLHV
MCMA	25	1225	1236	1226	S13	W12	.249	8781	24.6	11	-N		C	1226	.62	.60			EH
GRP 5235	25	1238	1400	1305	S21	W29	.537	8779	23.4	82	-F				.76				2 2
SACP	25	1238E	1401	1305	S21	W29	.537	8779	23.4	83D	-F		C		.94	.98			
HUAN	25	1300	1358		S21	W28	.525	8779	23.4	58	-F	2	C	1315	.57	.60			E
GRP 5236	25	1320	1430		N28	W80	.994	8776	19.6	70	-N								1 0
SALO	25	1320	1430		N28	W80	.994	8776	19.6	70	-N		P	1400		1.03	1.30		
GRP 5237	25	1333	1357	1342	S18	E55	.822	8788	29.7	24	-F				.19				1 1
SACP	25	1333	1357	1342	S18	E55	.822	8788	29.7	24	-F		C		.19	.25			
GRP 5238	25	1353	1504	1444	N28	E34	.723	8785	28.1	71	-F				.30				2 2
SALO	25	1320	1430		N35	E37	.797	8785	28.3	70	-N		P	1340		.62	1.60		
SACP	25	1425	1504	1444	N27	E33	.707	8785	28.1	39	-F		C		.19	.21			
CAPS	25	1446E	1504D		N22	E32	.659	8785	28.0	18D	-F	2		1448	.40	.50			D

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5239	25	1608	1629	1616	N28	E29	.683	8785	27.8	21	-N				.28				1 1
SACP	25	1608	1629	1616	N28	E29	.683	8785	27.8	21	-N		C		.28	.32			
GRP 5240	25	1706	1730	1716	N29	E30	.700	8785	28.0	24	-N				.29				2 2
SACP	25	1704	1728	1715	N28	E31	.699	8785	28.0	24	-N		C		.28	.32			
LOCK	25	1707	1732	1717	N30	E29	.701	8785	27.9	25	-F		C	1717	.30	.40		10	
GRP 5241	25	1749	1804	1754	N21	W06	.445	8778	25.3	15	-N				.34				2 2
SACP	25	1748	1804	1754	N20	W05	.427	8778	25.4	16	-N		C		.28	.28			
LOCK	25	1749	1804	1753	N21	W07	.449	8778	25.2	15	-N		C	1753	.40	.40		20	
GRP 5242	25	1755	1850	1805	S22	W33	.592	8779	23.3	55	-F				.40				1 1
LOCK	25	1755	1850	1805	S22	W33	.592	8779	23.3	55	-F		C	1805	.40	.50		10	
GRP 5243	25	1932	2005	1941	S21	W33	.586	8779	23.3	33	-N				.48				3 3
SACP	25	1931	2013	1953	S21	W33	.586	8779	23.3	42	-F		C		.74	.80			
HALE	25	1932	1958	1939	S21	W32	.574	8779	23.4	26	-N	1	C	1939	.21	.30			
LOCK	25	1932	2005	1942	S22	W33	.592	8779	23.3	33	-N		C	1942	.50	.70		20	
GRP 5244	25	2016	2028	2020	N20	W36	.684	8778	23.1	12	-F				.20				1 1
LOCK	25	2016	2028	2020	N20	W36	.684	8778	23.1	12	-F		C	2020	.20	1.00		10	H
GRP 5245	25	2109	2124	2112	N28	E23	.637	8785	27.6	15	-N				.42				4 4
HOUS	25	2108	2124	2112	N26	E24	.624	8785	27.7	16	-N		C		.20	.30		200	
LOCK	25	2108	2135	2113	N28	E21	.623	8785	27.5	27	-N		C	2113	.50	.70		20	
SACP	25	2110	2119	2112	N28	E23	.637	8785	27.6	9	-N		C		.56	.61			
MCMA	25	2111	2117	2112	N28	E24	.644	8785	27.7	6	-F		C	2112	.41	.50			D
GRP 5246	25	2241	2305	2250	S14	W19	.356	8781	24.5	24	-F				.40				1 1
LOCK	25	2241	2305	2250	S14	W19	.356	8781	24.5	24	-F		C	2250	.40	.40		10	
GRP 5247	26	0322	0329	0324	S19	E80	.982	8791	2.1	7	-N				.41				1 1
CULG	26	0322	0329	0324	S19	E80	.982	8791	2.1	7	-N		C		.41				
GRP 5248	26	0459	0507	0501	S19	E50	.775	8788	30.0	8	-N				.62				2 2
ATHN	26	0459	0506	0501	S19	E49	.764	8788	29.9	7	-N	2		0501	.83	1.20	1.60		
MANI	26	0500E	0508		S19	E50	.775	8788	30.0	8D	-F	2		0502	.41	.64			
GRP 5249	26	0802	0809	0804	N29	E25	.661	8785	28.2	7	-N				1.02				2 2
BUCA	26	0800E	0813D		N29	E25	.661	8785	28.2	13D	-N		C	0802	.55	.70			
ATHN	26	0804E	0805D	0804	N29	E24	.654	8785	28.1	1D	-N	2		0804	1.49	1.90	1.90		
GRP 5250	26	0859	0917	0901	N27	E22	.618	8785	28.0	18	-N				.98				4 4
BUCA	26	0858E	0921D		N26	E21	.599	8785	27.9	23D	-B		C	0901	1.32	1.70			
UCCL	26	0859	0907	0900	N25	E22	.596	8785	28.0	8	-N		C	0900	1.03	1.80			
ARCE	26	0859	0923D	0901	N27	E20	.603	8785	27.9	24D	-N		C	0901	.58	.70			EH
ATHN	26	0901E	0902D	0901	N28	E23	.636	8785	28.1	1D	-N	2		0901	.99	1.30	1.70		
GRP 5251	26	1458	1511		N27	E19	.596	8785	28.0	13	-F				.37				1 1
HUAN	26	1458	1511		N27	E19	.596	8785	28.0	13	-F	1	C	1500	.37	.40			E
GRP 5252	26	1709	1724	1714	S20	E46	.735	8788	30.2	15	-N				.67				3 3
HALE	26	1707	1730	1714	S21	E45	.727	8788	30.1	23	-N	3	C	1714	.31	.50			
SACP	26	1709	1720	1714	S19	E46	.732	8788	30.2	11	-N		C		1.11	1.35			
LOCK	26	1711	1722	1715	S19	E46	.732	8788	30.2	11	-F		C	1715	.60	.90		10	
GRP 5253	26	1710	1730	1720	S24	E90	.999	8791	3.5	20	-F				.30				1 1
LOCK	26	1710	1730	1720	S24	E90	.999	8791	3.5	20	-F		C	1720	.30	1.20		10	
GRP 5254	26	1746	1811	1802	S21	E89	.999	8791	3.4	25	-N				.36				2 2
LOCK	26	1735	1820	1808	S24	E90	.999	8791	3.5	45	-F		C	1808	.50	2.00		10	
LOCK	26	1755	1810	1802	S24	E90	.999	8791	3.5	15	-F		C	1802	.50	2.00		10	H
HALE	26	1757	1812	1802	S18	E88	.998	8791	3.3	15	-N	3	C	1802	.21				
LOCK	26	1820	1845	1828	S24	E90	.999	8791	3.5	25	-F		C	1828	.30	1.20		10	
GRP 5255	26	1855	1906	1900	S24	E90	.999	8791	3.5	11	-F				.30				1 1
LOCK	26	1855	1906	1900	S24	E90	.999	8791	3.5	11	-F		C	1900	.30	1.20		10	
GRP 5256	26	1920	1935	1926	S24	E90	.999	8791	3.6	15	-F				.30				1 1
LOCK	26	1920	1935	1926	S24	E90	.999	8791	3.6	15	-F		C	1926	.30	1.20		10	
GRP 5257	26	1950	2006	1957	S29	W42	.726	8779	23.7	16	-F				.40				1 1
LOCK	26	1950	2006	1957	S29	W42	.726	8779	23.7	16	-F		C	1957	.40	.60		10	
GRP 5258	26	1958	2010	2005	S24	E90	.999	8791	3.6	12	-F				.30				1 1
LOCK	26	1958	2010	2005	S24	E90	.999	8791	3.6	12	-F		C	2005	.30	1.20		10	
GRP 5259	26	2025	2115	2042	S24	E90	.999	8791	3.6	50	1F				.60				1 1
LOCK	26	2025	2115	2042	S24	E90	.999	8791	3.6	50	1F		C	2042	.60	2.40		20	
GRP 5260	26	2103	2128	2107	S22	W20	.438	8781	25.4	25	-N				.88				3 3
SACP	26	2103	2120	2107	S21	W20	.428	8781	25.4	17	-N		C		1.02	1.02			
LOCK	26	2103	2122	2108	S23	W20	.448	8781	25.4	19	-N		C	2108	.90	1.00		20	
CULG	26	2107E	2143	2107	S21	W20	.428	8781	25.4	36D	-N		P		.72	.77			
GRP 5261	26	2115	2250	2138	S19	E89	.999	8791	3.6	95	1B				1.10				1 1
LOCK	26	2115	2250	2138	S19	E89	.999	8791	3.6	95	1B		C	2138	1.10	3.70		30	K
GRP 5262	26	2115	2257	2249	S26	E89	.999	8791	3.6	102	2F				2.50				1 1
LOCK	26	2115	2250	2124	S19	E89	.999	8791	3.6	95	1B		C	2124	1.10	3.70		30	K
LOCK	26	2242	2257	2249	S33	E90	.999	8791	3.7	15	2F		C	2249	1.40	5.60		10	H
GRP 5263	26	2157	2212	2203	S23	W20	.448	8781	25.4	15	-F				.40				1 1
LOCK	26	2157	2212	2203	S23	W20	.448	8781	25.4	15	-F		C	2203	.40	.40		10	

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5264	26	2318	0005	2329	N20	W33	.653	8778	24.5	47	-N				.76				2 2
CULG	26	2317	0010	2328	N18	W27	.573	8778	24.9	53	-N		C		.62	.72			CF
LOCK	26	2319	0000	2330	N24	W30	.655	8778	24.7	41	-F		C	2330	.50	.70		10	
LOCK	26	2330	2355	2342	N18	W47	.784	8778	23.5	25	-F		C	2342	.40	.60		10	
GRP 5265	27	0012	0024	0017	S18	E90	1.000	8791	3.8	12	-F				.30				1 1
LOCK	27	0012	0024	0017	S18	E90	1.000	8791	3.8	12	-F		C	0017	.30	1.20		10	
GRP 5266	27	0025	0103	0034	S22	E90	1.000	8791	3.8	38	1N				1.10				1 1
LOCK	27	0025	0103	0034	S22	E90	1.000	8791	3.8	38	1N		C	0034	1.10	4.40		20	
GRP 5267	27	0059	0120	0102	S03	W71	.945	8777	21.7	21	-F				.20				1 1
LOCK	27	0059	0120	0102	S03	W71	.945	8777	21.7	21	-F		C	0102	.20	.50		10	
GRP 5268	27	0552	0612	0555	S20	E36	.619	8788	29.9	20	-N				.55				2 2
ATHN	27	0552	0609	0555	S19	E36	.615	8788	29.9	17	-N	2		0555	.66	.80	1.70		
BUCA	27	0557E	0614D		S20	E36	.619	8788	29.9	17D	-N		C	0559	.43	.60			
GRP 5269	27	0708	0723	0710	S23	E82	.987	8791	3.4	15	-N				.15				1 1
MANI	27	0708	0723	0710	S23	E82	.987	8791	3.4	15	-N	2		0710	.15	.41			
GRP 5270	27	0726	0738		N22	W74	.974	8776	21.8	12	-N								1 0
CAPS	27	0726E	0738		N22	W74	.974	8776	21.8	12D	-N	3							CD
GRP 5271	27	0745	0938	0911	N21	W78	.986	8776	21.5	113	1B				1.66				2 1
BUCA	27	0745E	1007D		N22	W81	.993	8776	21.2	142D	1N		P	0904	1.66				DG
ATHN	27	0903E	0911	0903	N23	W75	.978	8776	21.8	8D	-B	1		0903	.33		1.70		
MANI	27	0915	0936	0919	N17	W78	.985	8776	21.5	21	-N	2		0919	.36	.93			
GRP 5272	27	0841	0855		S20	E34	.595	8788	29.9	14	-N				.61				2 2
BUCA	27	0840E	0900D		S20	E34	.595	8788	29.9	20D	-N		C	0850	.66	.80			E
ARCE	27	0841E	0850		S20	E33	.582	8788	29.8	9D	-N		C	0841	.55	.70			E
GRP 5273	27	0900	1020		S22	W78	.975	8777	21.5	80	-N								1 0
SALO	27	0900	1020		S22	W78	.975	8777	21.5	80	-N		V	1010		1.25	1.50		
GRP 5274	27	0910	1000		S17	W47	.739	8781	23.9	50	-N								1 0
SALO	27	0910	1000		S17	W47	.739	8781	23.9	50	-N		V	0950		.41	1.40		
GRP 5275	27	0920	1030		N37	E10	.677	8785	28.1	70	-B								1 0
SALO	27	0920	1030		N37	E10	.677	8785	28.1	70	-B		V	0940		.39	1.70		
GRP 5276	27	1213	1235	1216	N21	W80	.991	8776	21.5	22	-N				1.03				1 1
MEUD	27	1213	1235	1216	N21	W80	.991	8776	21.5	22	-N		C	1216	1.03				
UCCL	27	1230E	1232D		N20	W80	.991	8776	21.5	2D	-N		P	1230	1.03				D
GRP 5277	27	1547	1559	1549	N22	W55	.866	8778	23.5	12	-N				.84				3 3
MEUD	27	1547	1555	1549	N22	W55	.866	8778	23.5	8	-N		C	1549	.62	1.20			E
MCMA	27	1547	1558	1548	N22	W56	.873	8778	23.5	11	-N		C	1548	.41	.80			E
SACP	27	1547	1604	1551U	N21	W55	.863	8778	23.5	17	1N		C		1.49	2.21			
GRP 5278	27	1602	1625	1606	S22	E82	.987	8791	3.8	23	1B				1.43				6 3
ATHN	27	1600	1618	1604	S22	E78	.975	8791	3.5	18	1B	2		1604	.99		2.00		
MEUD	27	1602	1620	1608	S20	E90	1.000	8791	4.4	18	1F		C						
SACP	27	1602	1624	1606	S23	E79	.978	8791	3.6	22	1N		C		1.30	3.28			
MCMA	27	1603	1612	1606	S24	E83	.990	8791	3.9	9	-B		C	1606					DH
NERA	27	1605E	1610D		S20	E80	.982	8791	3.7	5D	1B	2							
LOCK	27	1606E	1650	1606U	S23	E79	.978	8791	3.6	44D	1N		C	1606	2.00	2.80		20	H
GRP 5279	27	1815	1825	1817	S17	E77	.971	8791	3.5	10	-F				.20				1 1
LOCK	27	1815	1825	1817	S17	E77	.971	8791	3.5	10	-F		C	1817	.20	.60		10	
GRP 5280	27	1830	1855	1840	N16	W82	.994	8776	21.6	25	1F				1.00				1 1
LOCK	27	1830	1855	1840	N16	W82	.994	8776	21.6	25	1F		C	1840	1.00	3.40		10	
GRP 5281	27	1830	2110	1930	S20	E30	.545	8788	30.0	160	-N				.66				2 2
LOCK	27	1830	2110	1930	S19	E31	.552	8788	30.1	160	-F		C	1930	1.00	1.20		10	
LOCK	27	1830	2110	1850	S19	E31	.552	8788	30.1	160	-F		C	1850	1.00	1.20		10	
MCMA	27	1920E	1927D		S20	E28	.520	8788	29.9	7D	-N		C	1921	.31	.40			E
MCMA	27	2015	2021	2017	S20	E28	.520	8788	29.9	6	-B		C	2017	.52	.60			E
MCMA	27	2043E	2100D	2045	S20	E28	.520	8788	30.0	17D	-N		C	2045	.41	.50			E
GRP 5282	27	1937	1955	1941	N16	W82	.994	8776	21.7	18	-F				.50				1 1
LOCK	27	1937	1955	1941	N16	W82	.994	8776	21.7	18	-F		C	1941	.50	1.70		10	
GRP 5283	27	2030	2156	2100	N33	W18	.660	8793	26.5	86	-N				.71				2 2
LOCK	27	2030U	2114	2100U	N32	W18	.648	8793	26.5	44U	-F		C	2100	.70	.90		10	
CULG	27	2108E	2238D	2112	N33	W17	.655	8793	26.6	90D	-N		P		.72	.91			L
GRP 5284	27	2100	2200	2100	S17	E78	.975	8791	3.7	60	-F				.50				1 1
LOCK	27	2100E	2200	2100U	S17	E78	.975	8791	3.7	60D	-F		C	2100	.50	1.60		10	
GRP 5285	27	2231	2256	2239	N13	E51	.805	8796	1.8	25	-N				.46				2 2
CULG	27	2226	2301	2238	N12	E52	.812	8796	1.8	35	-N		C		.31	.48			L
LOCK	27	2235	2251	2240	N13	E50	.795	8796	1.7	16	-F		C	2240	.60	1.00		10	
GRP 5286	27	2252	2315	2257	N16	W82	.994	8776	21.8	23	-F				.30				1 1
LOCK	27	2252	2315	2257	N16	W82	.994	8776	21.8	23	-F		C	2257	.30	1.00		10	
GRP 5287	27	2313	2324	2317	N02	E24	.421	8796	29.8	11	-F				.40				1 1
LOCK	27	2313	2324	2317	N02	E24	.421	8796	29.8	11	-F		C	2317	.40	.50		10	
GRP 5288	27	2315	0017	2345	S18	E25	.468	8788	29.8	62	-N				.70				1 1
LOCK	27	2315	0017	2345	S18	E25	.468	8788	29.8	62	-N		C	2345	.70	.80		20	
GRP 5289	28	0030	0103	0042	N16	W82	.994	8776	21.9	33	-F				.30				1 1
LOCK	28	0030	0103	0042	N16	W82	.994	8776	21.9	33	-F		C	0042	.30	1.00		10	

SOLAR FLARES
REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5290	28	0041	0058	0047	S19	E75	.963	8791	3.7	17	-N				.46				2 2
CULG	28	0041	0055	0047	S22	E75	.963	8791	3.7	14	-N		C		.41				
LOCK	28	0041	0100	0047	S16	E74	.958	8791	3.6	19	-F		C	0047	.50	1.50		10	
GRP 5291	28	0229	0238	0230	N28	W06	.545	8785	27.7	9	-N				.31				1 1
HALE	28	0229	0238	0230	N28	W06	.545	8785	27.7	9	-N	1	C	0230	.31	.40			H
GRP 5292	28	0325	0337	0329	N31	W19	.641	8793	26.7	12	-N				.41				1 1
CULG	28	0325	0337	0329	N31	W19	.641	8793	26.7	12	-N		C		.41	.52			
GRP 5293	28	0340	0401	0349	S22	E73	.954	8791	3.6	21	-N				.41				1 1
CULG	28	0340	0401	0349	S22	E73	.954	8791	3.6	21	-N		C		.41				
GRP 5294	28	0437	0502	0446	N20	W90	1.000	8776	21.4	25	-N				.41				1 1
MANI	28	0437E	0502	0446	N20	W90	1.000	8776	21.4	25D	-N	1		0446	.41	1.35			
GRP 5295	28	0438	0450	0443	S22	E72	.949	8791	3.6	12	-N				.29				2 2
MANI	28	0437E	0451		S21	E70	.938	8791	3.4	14D	-F	1		0439	.26	.55			
CULG	28	0439	0448	0443	S22	E73	.954	8791	3.7	9	-N		C		.31				
GRP 5296	28	0503	0536	0517	S19	E77	.971	8791	4.0	33	-N				.62				1 1
CULG	28	0503	0536	0517	S19	E77	.971	8791	4.0	33	-N		C		.62				
GRP 5297	28	0516	0540	0517	S16	W50	.770	8781	24.5	24	-N				.62				1 1
CULG	28	0516	0540	0517	S16	W50	.770	8781	24.5	24	-N		C		.62	.90			L
GRP 5298	28	0525	0750		N23	W90	1.000	8776	21.5	145	1N				.66				1 1
ATHN	28	0525E	0728		N23	W90	1.000	8776	21.5	123D	1N	2		0532	.66		2.00		
BUCA	28	0607E	0812D		N22	W90	1.000	8776	21.5	125D	1B		C	0734	1.10				
GRP 5299	28	0528	0546	0530	S22	E73	.954	8791	3.7	18	-N				.41				1 1
CULG	28	0528	0546	0530	S22	E73	.954	8791	3.7	18	-N		C		.41				
GRP 5300	28	0556	0650	0607	S22	W66	.914	8779	23.3	54	1B				1.14				2 2
CULG	28	0556	0643	0607	S22	W66	.914	8779	23.3	47	-N		C		.62	1.20			
BUCA	28	0607E	0657D		S22	W65	.908	8779	23.4	50D	1B		C	0629	1.66				
GRP 5301	28	0615	0636		S19	E73	.954	8791	3.7	21	-F				.43				1 1
BUCA	28	0615E	0636D		S19	E73	.954	8791	3.7	21D	-F		C	0625	.43				
GRP 5302	28	0620	0631	0621	N31	W24	.672	8793	26.5	11	-N				.44				2 2
ATHN	28	0620	0630	0621	N31	W18	.635	8793	26.9	10	-N	2		0621	.33	.40	1.50		
BUCA	28	0623E	0631D		N30	W29	.698	8793	26.1	8D	-F		C	0625	.55	.70			D
GRP 5303	28	0724	0739	0726	N27	W05	.528	8785	27.9	15	-N				.72				2 2
BUCA	28	0723E	0742D		N27	W07	.533	8785	27.8	19D	-N		C	0727	.77	1.90			E
ATHN	28	0724	0736	0726	N26	W02	.508	8785	28.2	12	-N	2		0726	.66	.80	1.80		
GRP 5304	28	0730	0808		N31	W22	.659	8793	26.7	38	-F				.43				1 1
BUCA	28	0730E	0808D		N31	W22	.659	8793	26.7	38D	-F		C	0738	.43	.60			
GRP 5305	28	0747	0750	0749	N22	W65	.932	8778	23.4	3	-N				.27				1 1
CAPE	28	0747	0750	0749	N22	W65	.932	8778	23.4	3	-N		C	0749	.27	.80			
GRP 5306	28	0756	0819	0758	N21	W76	.980	8778	22.6	23	-F				.33				2 2
CAPE	28	0756	0810	0758	N26	W79	.991	8778	22.4	14	-F		C	0758	.23	1.30			
BUCA	28	0806E	0828D		N15	W72	.961	8778	22.9	22D	-F		C	0816	.43				
GRP 5307	28	0820	1005		N22	W90	1.000	8776	21.6	105	2N				2.21				1 1
BUCA	28	0820E	1005D		N22	W90	1.000	8776	21.6	105D	2N		C	0955	2.21				
ATHN	28	0825	0855		N22	W90	1.000	8776	21.6	30	1N	2		0833	.99		1.80		
GRP 5308	28	0920	0931	0923	N27	W07	.533	8785	27.9	11	-N				.57				5 5
UCCL	28	0918	0927	0922	N28	W05	.542	8785	28.0	9	-F		C	0922	.26	.40			E
MANI	28	0919E	0924D	0921	N25	W09	.511	8785	27.7	5D	-N	1		0921	.83	.97			
BUCA	28	0919E	0937D		N28	W11	.562	8785	27.6	18D	-N		C	0923	.88	1.00			
MEUD	28	0920	0927	0921	N28	W05	.542	8785	28.0	7	-F		C	0921	.62	.70			D
ATHN	28	0925	0931	0926	N27	W03	.524	8785	28.2	6	-N	2		0926	.25	.40	1.60		
GRP 5309	28	1036	1114		S19	E15	.352	8788	29.6	38	-B								1 0
CAPS	28	1036E	1114D		S19	E15	.352	8788	29.6	38D	-B	1							DHK
GRP 5310	28	1130	1139	1132	N29	W06	.559	8785	28.0	9	-N				.50				2 1
CAPS	28	1128E	1140D		N28	W05	.542	8785	28.1	12D	-F	1							
ATHN	28	1131	1138	1132	N29	W06	.559	8785	28.0	7	-N	2		1132	.50	.60	1.60		
GRP 5311	28	1249	1320	1303	N21	W51	.830	8778	24.7	31	1N				1.52				4 4
CAPE	28	1243	1350	1304	N19	W54	.849	8778	24.5	67	1N		C	1304	1.76	3.30			
CAPE	28	1246	1321	1306	N26	W46	.809	8778	25.1	35	1F			1306	1.40	2.40			
CAPE	28	1246	1321	1310	N26	W46	.809	8778	25.1	35	-F			1310	.68	1.20			
SACP	28	1248	1332	1305	N20	W54	.852	8778	24.5	44	1N		C		1.60	2.30			
MEUD	28	1254	1310	1259	N22	W50	.825	8778	24.8	16	-F		C	1259	.62	1.10			
CAPE	28	1254	1340	1300	N23	W53	.853	8778	24.6	46	-N			1300	.32	.60			
HUAN	28	1306E	1315		N18	W52	.829	8778	24.6	9D	-F	1	P	1306	.70	.96			E
GRP 5312	28	1254	1314	1256	N23	W53	.853	8778	24.6	20	-F				.65				2 2
CAPE	28	1246	1321	1252	N26	W46	.809	8778	25.1	35	-F		C	1252	.63	1.10			IKL
CAPE	28	1248	1308	1249	N22	W58	.888	8778	24.2	20	-N		C	1249	.36	.70			
MCMA	28	1254	1307	1256	N22	W53	.850	8778	24.6	13	-F		C	1256	.31	.60			D
CAPE	28	1254	1340	1256	N22	W52	.842	8778	24.6	46	-N		C	1256	.45	.90			CIKL
GRP 5313	28	1313	1330	1316	N27	W06	.530	8785	28.1	17	-N				.65				1 1
SACP	28	1313	1330	1316	N27	W06	.530	8785	28.1	17	-N		C		.65	.68			
GRP 5314	28	1319	1332	1320	S20	E71	.943	8791	3.9	13	-N				.36				3 3
MCMA	28	1318	1345	1320	S18	E65	.905	8791	3.4	27	-N		C	1320	.36	1.10			E
UCCL	28	1319	1322	1320	S23	E80	.982	8791	4.6	3	-N		C	1320	.31				D
MEUD	28	1322E	1328		S20	E67	.920	8791	3.6	6D	-N		C	1322	.41				CD

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5315	28	1327	1341	1332	N22	W69	.953	8778	23.4	14	-N				.63				6 6
CAPE	28	1318	1351	1332	N22	W69	.953	8778	23.4	33	1B		C	1332	.72	2.30			
SACP	28	1326	1352	1334	N21	W67	.942	8778	23.5	26	-N		C		.93	1.75			
ATHN	28	1329	1335D	1331	N23	W70	.959	8778	23.3	6D	-N	1		1331	.50		1.90		
MEUD	28	1329	1335	1331	N22	W67	.943	8778	23.5	6	-N		C	1331	.52				
HUAN	28	1329	1337		N21	W67	.942	8778	23.5	8	-N	1	P	1333	.60				
MCMA	28	1331	1337	1332	N20	W72	.965	8778	23.2	6	-N		C	1332	.52	1.50			EH
GRP 5316	28	1330	1345	1337	S30	W61	.889	8781	24.0	15	1F				1.36				1 1
CAPE	28	1330	1345	1337	S30	W61	.889	8781	24.0	15	1F		C	1337	1.36	3.10			CH
GRP 5317	28	1348	1356	1350	S18	E65	.905	8791	3.5	8	-F				.26				1 1
MCMA	28	1348	1356	1350	S18	E65	.905	8791	3.4	8	-F		C	1350	.26	.80			DH
GRP 5318	28	1437	1449	1438	N28	W14	.576	8785	27.6	12	-N				.83				2 2
SACP	28	1436	1449	1438	N27	W13	.558	8785	27.6	13	-N		C		.56	.59			
CAPE	28	1438	1439D	1438	N28	W14	.576	8785	27.6	1D	-N		P	1438	1.09	1.30			C
GRP 5319	28	1437	1445	1438	S18	E65	.905	8791	3.5	8	-B				.21				1 1
MCMA	28	1437	1445	1438	S18	E65	.905	8791	3.5	8	-B		C	1438	.21	.60			D
GRP 5320	28	1448	1555	1512	N21	W62	.913	8778	24.0	67	1F				1.49				1 1
SACP	28	1448	1555	1512	N20	W56	.868	8778	24.4	67	1F		C		1.49	2.20			
HUAN	28	1450	1500D		N22	W68	.948	8778	23.5	10D	-F	1	P	1456	.52				D
GRP 5321	28	1605	1645	1615	S21	E66	.914	8791	3.6	40	-F				.60				1 1
LOCK	28	1605	1645	1615	S21	E66	.914	8791	3.6	40	-F		C	1615	.60	1.30		10	
GRP 5322	28	1605	1645	1625	S21	E66	.914	8791	3.6	40	-F				.60				1 1
LOCK	28	1605	1645	1625	S21	E66	.914	8791	3.6	40	-F		C	1628	.60	1.30		10	
GRP 5323	28	1630	1650	1635	S21	E16	.386	8788	29.9	20	-F				.20				1 1
LOCK	28	1630	1650	1635	S21	E16	.386	8788	29.9	20	-F		C	1635	.20	.20		10	
GRP 5324	28	1659	1711	1703	S19	E66	.913	8791	3.7	12	-N				.51				2 2
LOCK	28	1658	1715	1706	S20	E66	.913	8791	3.7	17	-N		C	1706	.70	1.50		20	
MCMA	28	1659	1707	1700	S18	E65	.905	8791	3.6	8	-F		C	1700	.31	.90			D
GRP 5325	28	1728	1830		S20	E65	.906	8791	3.6	62	-F				.52				1 1
MCMA	28	1728	1830		S20	E65	.906	8791	3.6	62	-F		C	1742	.52	1.50			EK
GRP 5326	28	1802	1807	1803	N25	W88	1.000	8778	22.2	5	-N				.25				1 1
HUAN	28	1802	1807	1803	N25	W88	1.000	8778	22.2	5	-N	2	C	1803	.25				D
GRP 5327	28	1905	1925	1916	S20	E64	.899	8791	3.6	20	-B				.56				2 2
MCMA	28	1905	1930	1916	S18	E63	.891	8791	3.5	25	-B		C	1916	.62	1.80			E
HUAN	28	1913E	1919		S22	E65	.908	8791	3.7	6D	-N	1	P	1916	.50	.80			D
GRP 5328	28	1931	1938		S17	W56	.831	8781	24.6	7	-F				.25				1 1
HUAN	28	1931	1938		S17	W56	.831	8781	24.6	7	-F	1	C	1934	.25	.35			D
GRP 5329	28	2104	2111	2106	S16	E62	.882	8791	3.5	7	-N				.36				1 1
MCMA	28	2104	2111	2106	S16	E62	.882	8791	3.5	7	-N		C	2106	.36	.80			E
GRP 5330	28	2107	2112	2108	N20	W80	.991	8778	22.9	5	-N								1 0
MCMA	28	2107	2112	2108	N20	W80	.991	8778	22.9	5	-N		C	2108					D
GRP 5331	28	2134	2145	2136	N33	W27	.712	8793	26.9	11	-N				.26				2 2
HALE	28	2132	2145	2135	N32	W27	.702	8793	26.9	13	-N	1	C	2135	.21	.30			
HUAN	28	2135	2145	2137	N33	W27	.712	8793	26.9	10	-F	2	C	2137	.31	.37			E
GRP 5332	28	2137	2153	2150	S21	E65	.907	8791	3.8	16	-N				.41				1 1
CULG	28	2137	2153	2150	S21	E65	.907	8791	3.8	16	-N		C		.41	.50			
GRP 5333	28	2225	2259	2232	S17	W59	.858	8781	24.5	34	-N				.42				2 2
CULG	28	2220	2309	2231	S16	W61	.874	8781	24.4	49	-N		C		.52	1.00			L
HALE	28	2229	2249	2232	S17	W57	.840	8781	24.7	20	-N	1	C	2232	.31	.60			
GRP 5334	28	2308	0130	0025	S37	W29	.669	8784	26.8	142	1F				1.86				1 1
CULG	28	2308	0130	0025	S37	W29	.669	8784	26.8	142	1F		C		1.86	2.34			FLS
GRP 5335	28	2313	2330	2317	S22	E69	.933	8791	4.1	17	1N				.67				2 2
CULG	28	2312	2330	2319	S22	E70	.938	8791	4.2	18	1N		C		1.03				
HALE	28	2313	2330	2315	S22	E67	.921	8791	4.0	17	-N	1	C	2315	.31				
GRP 5336	28	2353	0000	2354	S17	E08	.255	8788	29.6	7	-B				.47				2 2
CULG	28	2352	2358	2353	S17	E07	.247	8788	29.5	6	-B		C		.52	.50			V
HALE	28	2353	0001	2355	S16	E08	.241	8788	29.6	8	-B	2	C	2353	.41	.42			
GRP 5337	29	0022	0033	0027	S16	E06	.225	8788	29.5	11	-N				.21				1 1
HALE	29	0022	0033	0027	S16	E06	.225	8788	29.5	11	-N	1	C	0027	.21	.21			
GRP 5338	29	0048	0135	0057	S26	E63	.898	8791	3.8	47	1B				.93				2 2
CULG	29	0047	0133	0101	S27	E64	.906	8791	3.8	46	1B		C		1.03	2.25			
HALE	29	0048	0137	0052	S25	E61	.882	8791	3.6	49	-B	1	C	0052	.83	1.70			
GRP 5339	29	0138	0208	0145	S21	E05	.297	8788	29.4	30	-N				.83				2 1
CULG	29	0137	0220	0147	S21	E05	.297	8788	29.4	43	-F		C		.83	.80			
HALE	29	0138	0155	0142	S20	E05	.282	8788	29.4	17	-N	2	C	0142	.15	.20			CH
GRP 5340	29	0226	0313	0231	N27	W13	.556	8785	28.1	47	-N				.72				1 1
CULG	29	0226	0313	0231	N27	W13	.556	8785	28.1	47	-N		C		.72	.84			L
GRP 5341	29	0302	0317	0311	S17	E06	.240	8788	29.6	15	-N				.40				3 3
CULG	29	0255	0316	0310	S17	E04	.228	8788	29.4	21	-N		C		.52	.50			L
HALE	29	0308	0317	0310	S16	E06	.225	8788	29.6	9	-B	2	C	0310	.31	.31			H
MANI	29	0310E	0313D	0312	S17	E07	.248	8788	29.7	3D	-F	1		0312	.36	.37			
GRP 5342	29	0407	0443	0421	S18	E59	.859	8791	3.6	36	-F				.83				1 1
CULG	29	0407	0443	0421	S18	E59	.859	8791	3.6	36	-F		C		.83	1.44			L
GRP 5343	29	0414	0438	0419	N13	E35	.628	8796	1.8	24	-N				.21				1 1
HALE	29	0414	0438	0419	N13	E35	.628	8796	1.8	24	-N	1	C	0419	.21	.30			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5344	29	0442	0450	0446	S27	E61	.885	8791	3.8	8	-N				.93				1 1
CULG	29	0442	0450	0446	S27	E61	.885	8791	3.8	8	-N		C		.93	1.80			
GRP 5345	29	0448	0500		N19	E85	.998	8795	5.6	12	-N				.33				1 1
ATHN	29	0448E	0500		N19	E85	.998	8795	5.6	12D	-N	1		0450	.33		1.50		
GRP 5346	29	0506	0534	0515	S17	E05	.234	8788	29.6	28	-B				.90				2 2
CULG	29	0457	0535	0514	S17	E04	.228	8788	29.5	38	-B		C		1.13	1.10			LT
ATHN	29	0514	0532	0516	S16	E06	.225	8788	29.7	18	-N	1		0516	.66	.67	1.60		
ATHN	29	0514	0532	0516	S16	E06	.225	8788	29.7	18	-N	1							
GRP 5347	29	0518	0525	0519	N19	E85	.998	8795	5.6	7	-N				.25				1 1
ATHN	29	0518	0525	0519	N19	E85	.998	8795	5.6	7	-N	1		0519	.25		1.50		
GRP 5348	29	0607	0656	0651	S23	E57	.848	8791	3.5	49	1N				1.11				2 2
CULG	29	0607	0623	0613	S20	E60	.869	8791	3.8	16	-N		C		.31	.60			
CULG	29	0623	0655	0651	S24	E57	.850	8791	3.5	32	-N		C		1.03	1.85			
CAPE	29	0649E	0657		S24	E56	.841	8791	3.5	8D	1N		P	0649	1.19	2.30			
GRP 5349	29	0636	0640	0637	N22	W75	.978	8778	23.7	4	-N				.33				1 1
ATHN	29	0636	0640	0637	N22	W75	.978	8778	23.6	4	-N	2		0637	.33		1.70		
GRP 5350	29	0653	0712	0701	N27	W13	.556	8785	28.3	19	-N				1.96				5 5
IKOM	29	0645E	0705D		N27	W12	.551	8785	28.4	20D	-N		V	0655	1.44	1.70			
WEND	29	0652E	0709		N27	W12	.551	8785	28.4	17D	1N		V		4.13				
CAPE	29	0657	0713	0701	N28	W16	.586	8785	28.1	16	1N		C	0701	1.82	2.20			L
ATHN	29	0658	0710	0701	N26	W14	.549	8785	28.2	12	-B	2		0701	.99	1.20	2.00		
CAPS	29	0703E	0714		N27	W12	.551	8785	28.4	11D	-N	3		0707	1.40	1.70			C
GRP 5351	29	0726	0745	0731	S25	E57	.851	8791	3.6	19	1N				1.39				5 3
MONT	29	0725	0745	0730	S23	E63	.895	8791	4.0	20	-N		C	0730	1.40				O
CAPE	29	0725	0745	0731	S25	E57	.851	8791	3.6	20	1N		C	0731	2.26	4.40			
ATHN	29	0727	0735	0730	S25	E55	.835	8791	3.4	8	-N	2		0730	.50	.90	1.70		
CAPS	29	0727E	0750D		S24	E55	.833	8791	3.4	23D	1F	3		0735				150	J
ONDR	29	0727	0750	0731	S26	E55	.837	8791	3.4	23	1F		V	0731			2.10		CHJ
GRP 5352	29	0743	0748	0744	N22	W81	.993	8778	23.2	5	-B				.45				2 1
ONDR	29	0742	0747		N21	W76	.980	8778	23.6	5	-B		V	0744			2.90		CD
CAPE	29	0743	0749	0744	N22	W86	.999	8778	22.9	6	-N		C	0744	.45				J
GRP 5353	29	0753	0815		N24	W85	.999	8778	23.0	22	-N				.26				1 1
ARCE	29	0753E	0815D		N24	W85	.999	8778	23.0	22D	-N		C	0807	.26	1.00			
GRP 5354	29	0835	0845	0839	N20	W76	.980	8778	23.7	10	-N				.31				1 1
MANI	29	0835	0845D	0839	N20	W76	.980	8778	23.7	10D	-N	2		0839	.31	.75			
GRP 5355	29	0846	0911	0904	S22	E56	.838	8791	3.6	25	-N				.97				6 5
MONT	29	0805	0905		S22	E59	.863	8791	3.8	60	-F		C						HO
ATHN	29	0805	0814	0807	S22	E57	.847	8791	3.6	9	-N	2		0807	.33	.60	1.50		
CAPE	29	0858	0920	0903	S21	E56	.837	8791	3.6	22	-N		C	0903	.90	1.70			
CAPS	29	0900E	0909D		S20	E54	.817	8791	3.4	9D	1F	2		0908	1.50	2.50		145	
MEUD	29	0902	0911		S21	E56	.837	8791	3.6	9	-N		C	0905	.93	1.60			E
ATHN	29	0904E	0913	0905	S22	E56	.838	8791	3.6	9D	-F	2		0905	.83	1.30	1.40		
ARCE	29	0908E	0908D		S23	E54	.822	8791	3.4		-N		P	0908	.70	1.20			D
GRP 5356	29	0850	0908		N24	W85	.999	8778	23.0	18	-N				.23				1 1
ARCE	29	0850E	0908D		N24	W85	.999	8778	23.0	18D	-N		C	0850	.23	.90			
GRP 5357	29	0959	1021	1009	S21	E55	.828	8791	3.5	22	1N				1.36				1 1
CAPE	29	0959E	1021	1009	S21	E55	.828	8791	3.5	22D	1N		C	1009	1.36	2.50			H
GRP 5358	29	1018	1029	1020	N12	E30	.560	8796	1.7	11	-F				1.45				1 1
CAPE	29	1018	1029	1020	N12	E30	.560	8796	1.7	11	-F		C	1020	1.45	1.80			T
GRP 5359	29	1038	1044	1040	N22	W87	1.000	8778	22.9	6	-N				.32				1 1
CAPE	29	1038	1044	1040	N22	W87	1.000	8778	22.9	6	-N		C	1040	.32				
GRP 5360	29	1053	1111	1105	S21	E55	.828	8791	3.6	18	1F				1.45				1 1
CAPE	29	1053	1111	1105	S21	E55	.828	8791	3.6	18	1F		C	1105	1.45	2.70			L
GRP 5361	29	1119	1125	1120	N16	W75	.974	8778	23.8	6	-F				.63				1 1
CAPE	29	1119	1125	1120	N16	W75	.974	8778	23.8	6	-F		C	1120	.63	2.60			
GRP 5362	29	1119	1142	1127	N22	W89	1.000	8778	22.8	23	-N				.32				1 1
CAPE	29	1119	1142	1127	N22	W89	1.000	8778	22.8	23	-N		C	1127	.32				
GRP 5363	29	1146	1159	1150	S21	E54	.818	8791	3.5	13	1F				2.44				1 1
CAPE	29	1146	1159	1150	S21	E54	.818	8791	3.5	13	1F		C	1150	2.44	4.40			
GRP 5364	29	1151	1213	1158	S18	W71	.943	8781	24.2	22	1F				1.82				1 1
CAPE	29	1151	1213	1158	S18	W71	.943	8781	24.2	22	1F		C	1158	1.82	5.30			
GRP 5365	29	1203	1243	1227	N22	W89	1.000	8778	22.8	40	1N				.59				1 1
CAPE	29	1203	1243	1227	N22	W89	1.000	8778	22.8	40	1N		C	1227	.59				
GRP 5366	29	1240	1320		N35	W20	.690	8785	28.0	40	-N								1 0
SALO	29	1240	1320		N35	W20	.690	8785	28.0	40	-N		S	1310		.31	1.60		
GRP 5367	29	1250	1430	1340	S19	E55	.825	8791	3.7	100	1B				1.45				2 1
SALO	29	1250	1430	1340	S17	E57	.841	8791	3.8	100	-B		S	1410		.83	1.60		
CAPE	29	1318	1338	1320	S21	E52	.800	8791	3.5	20	1N		C	1320	1.45	2.60			
GRP 5368	29	1257	1310	1259	N22	W89	1.000	8778	22.9	13	-B				.25				2 2
CAPE	29	1255	1312	1259	N22	W90	1.000	8778	22.8	17	-B		C	1259	.19				
HUAN	29	1258	1307	1259	N21	W88	1.000	8778	22.9	9	-N	1	C	1259	.31				D

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5369	29	1332	1348	1334	N14	E31	.585	8796	1.9	16	-N				.59				5 4
SALO	29	1250	1430	1400	N20	E30	.619	8796	1.8	100	-N		S	1420		.60	1.70		
ATHN	29	1329	1342	1331	N13	E33	.603	8796	2.0	13	-N	2		1331	.66	.80	1.80		
CAPE	29	1332	1357D	1336	N13	E30	.566	8796	1.8	25D	-N		C	1336	1.09	1.40			T
HUAN	29	1333	1345	1334	N13	E32	.591	8796	2.0	12	-F	2	C	1334	.25	.26			D
SACP	29	1334	1349D	1336	N13	E31	.579	8796	1.9	15D	-F		C		.37	.40			
GRP 5370	29	1348	1357	1352	N16	W80	.989	8778	23.6	9	-F				.41				1 1
CAPE	29	1348	1357D	1352	N16	W80	.989	8778	23.6	9D	-F		C	1352	.41	2.20			
GRP 5371	29	1456	1622		N25	W26	.626	8785	27.7	86	-N				.57				1 1
HUAN	29	1456	1622		N25	W26	.626	8785	27.7	86	-N	1	P	1516	.57	.63			E
GRP 5372	29	1514	1528	1516	S22	E61	.879	8791	4.2	14	1N				1.96				2 2
ATHN	29	1514	1526	1516	S22	E60	.871	8791	4.1	12	1N	2		1516	.83	2.60	1.90		
WEND	29	1516E	1530D		S22	E61	.879	8791	4.2	14D	1N		V		3.09				
GRP 5373	29	1525	1607		S19	E04	.261	8788	29.9	42	-F				.50				1 1
HUAN	29	1525	1607		S19	E04	.261	8788	29.9	42	-F	1	P	1533	.50	.49			D
GRP 5374	29	1531	1535	1532	S23	E50	.785	8791	3.4	4	-N				.27				1 1
ATHN	29	1531	1535	1532	S23	E50	.785	8791	3.4	4	-N	2		1532	.27	.80	1.60		
GRP 5375	29	1655	1720	1703	N15	W82	.993	8778	23.6	25	-F				.40				1 1
LOCK	29	1655	1720	1703	N15	W82	.993	8778	23.6	25	-F		C	1703	.40	1.40		10	
GRP 5376	29	1700	1830	1750	S19	E48	.755	8791	3.3	90	-N				1.20				1 1
LOCK	29	1700	1830	1750	S19	E48	.755	8791	3.3	90	-N		C	1750	1.20	1.90		10	J
GRP 5377	29	1835	1900	1845	N15	W82	.993	8778	23.6	25	-F				.60				1 1
LOCK	29	1835	1900	1845	N15	W82	.993	8778	23.6	25	-F		C	1845	.60	2.00		10	
GRP 5378	29	1943	2022	1954	S22	W69	.933	8781	24.6	39	1F				.83				2 2
LOCK	29	1940	2020	1952	S23	W65	.909	8781	24.9	40	1F		C	1952	1.00	2.50		10	
SACP	29	1946	2023	1956U	S20	W73	.954	8781	24.3	37	-F		C		.65	1.34			
GRP 5379	29	1954	2020	2000	N15	W82	.993	8778	23.7	26	1F				.70				1 1
LOCK	29	1954	2020	2000	N15	W82	.993	8778	23.7	26	1F		C	2000	.70	2.40		10	
GRP 5380	29	2035	2056	2041	N15	W90	1.000	8778	23.1	21	1F				.70				1 1
LOCK	29	2035	2056	2041	N15	W90	1.000	8778	23.1	21	1F		C	2041	.70	2.80		10	
GRP 5381	29	2055	2130	2105	S20	E48	.757	8791	3.5	35	-F				.80				1 1
LOCK	29	2055	2130	2105	S20	E48	.757	8791	3.5	35	-F		C	2105	.80	1.30		10	J
GRP 5382	29	2145	2220	2150	N22	E78	.987	8795	5.8	35	-F				.60				1 1
LOCK	29	2145	2220	2150	N22	E78	.987	8795	5.8	35	-F		C	2150	.60	1.90		20	
GRP 5383	29	2150	2201	2153	S20	E48	.757	8791	3.5	11	-F				1.00				1 1
LOCK	29	2150	2201	2153	S20	E48	.757	8791	3.5	11	-F		C	2153	1.00	1.60		10	
GRP 5384	29	2206	2232	2210	N22	W77	.984	8778	24.1	26	1N				.80				1 1
LOCK	29	2206	2232	2210	N22	W77	.984	8778	24.1	26	1N		C	2210	.80	2.50		20	
GRP 5385	29	2220	2310	2240	S20	E46	.736	8791	3.4	50	-F				1.30				1 1
LOCK	29	2220	2310	2240	S20	E46	.736	8791	3.4	50	-F		C	2240	1.30	2.00		10	
GRP 5386	29	2225	2300	2240	N15	W90	1.000	8778	23.2	35	1F				1.00				1 1
LOCK	29	2225	2300	2240	N15	W90	1.000	8778	23.2	35	1F		C	2240	1.00	4.00		10	
GRP 5387	29	2320	2345	2335	S20	E49	.768	8791	3.6	25	1N				2.20				3 2
LOCK	29	2320	2330D	2330U	S20	E46	.736	8791	3.4	10D	1N		C	2330	1.50	2.30		10	
IKOM	29	2320E	2345	2335	S20	E48	.757	8791	3.6	25D	1N		V	2323	2.89	4.30		100	E
SACP	29	2339E	2340D	2339U	S19	E52	.796	8791	3.9	1D	-F		C		.37	.48			
GRP 5388	30	0359	0443	0400	S22	E43	.710	8791	3.4	44	-B				.31				1 1
HALE	30	0359	0443D	0400	S22	E43	.710	8791	3.4	44D	-B	2	P	0400	.31	.40			
GRP 5389	30	0454	0521	0456	S22	E45	.732	8791	3.6	27	1B				.33				2 1
MITK	30	0453E	0517D		S21	E43	.707	8791	3.4	24D	1N		V						
ATHN	30	0455	0501	0456	S23	E47	.755	8791	3.7	6	-B	2		0456	.33	.50	2.00		
ATHN	30	0517	0521	0518	S22	E45	.732	8791	3.6	4	-B	2		0518	.21	.30	2.00		
GRP 5390	30	0601	0626	0603	S21	E44	.718	8791	3.6	25	1B				3.41				4 2
WEND	30	0530E	0632		S20	E42	.692	8791	3.4	62D	1N		V		5.16				
ATHN	30	0600	0609	0602	S23	E46	.745	8791	3.7	9	-B	2		0602	.50	.70	2.00		
MITK	30	0602	0652	0603	S21	E44	.718	8791	3.6	50	1B		C	0603	1.65	2.40			F
CAPS	30	0604E	0612D		S21	E45	.728	8791	3.6	8D	2N	1							J
GRP 5391	30	0626	0634	0628	N19	E17	.480	8796	1.5	8	-N				.50				1 1
ATHN	30	0626	0634	0628	N19	E17	.480	8796	1.5	8	-N	2		0628	.50	.50	1.40		
GRP 5392	30	0721	0738	0727	S22	E44	.721	8791	3.6	17	-B				1.18				3 3
MITK	30	0718	0740	0727	S20	E44	.714	8791	3.6	22	1N		C	0727	1.86	2.60			F
ATHN	30	0724	0734	0726	S23	E44	.724	8791	3.6	10	-B	2		0726	.50	.70	2.00		
CATA	30	0728E	0739D	0728	S23	E43	.714	8791	3.5	11D	-B			0728	1.19	1.60		214	
GRP 5393	30	0835	0927	0845	S19	W80	.982	8781	24.4	52	1N				.57				3 2
ARCE	30	0835	0900	0850	S24	W85	.994	8781	24.0	25	1N		C	0850	.64	2.60			
MONT	30	0835	0930	0840	S13	W76	.968	8781	24.7	55	-N		C	0840	.50				O
ONDR	30	0839E	0952		S20	W80	.982	8781	24.4	73D	1F		V	0842			1.70		ACGH
GRP 5394	30	0901	0925	0906	S23	E43	.714	8791	3.6	24	1N				1.29				2 1
UCCL	30	0901	0913	0906	S25	E45	.742	8791	3.8	12	1N		C	0906	1.29	2.60			J
ONDR	30	0916E	0931D		S23	E42	.703	8791	3.5	15D	1F		V				2.00		CHJ
ARCE	30	0917	0930	0918	S22	E41	.688	8791	3.5	13	1B		C	0918	2.42	3.30			
GRP 5395	30	0906	0919		N15	E90	1.000	8798	7.1	13	-N				.20				1 1
ARCE	30	0906	0919D		N15	E90	1.000	8798	7.1	13D	-N		C	0910	.20	1.10			

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5396	30	0922	1030	0939	S19	W82	.988	8781	24.2	68	1N				1.62				5 5
ARCE	30	0917	1000D	0918	S24	W85	.994	8781	24.0	43D	1N		C	0918	1.02	4.10			
WEND	30	0920E	1007		S25	W82	.988	8781	24.2	47D	1F		V		4.13				
MONT	30	0930	1030	0933	S13	W77	.972	8781	24.6	60	-N		C	0933	.50				O
CAPE	30	0941E	1002		S18	W86	.996	8781	24.0	21D	1N		P	0941	.92				
LOCA	30	0944E	1045	0944	S21	W82	.988	8781	24.3	61D	1N		V	0944	1.05				
CAPE	30	1014	1039	1029	S10	W78	.976	8781	24.6	25	-F		C	1029	.46	2.00			
GRP 5397	30	0943	1007	0945	S21	E43	.707	8791	3.6	24	1N				3.02				8 6
MONT	30	0750E	1230D	0945	S23	E43	.714	8791	3.6	280D	1B		C	0945	2.10				TJO
WEND	30	0938E	1003D		S20	E40	.669	8791	3.4	25D	2N		V		6.19				
CAPE	30	0941E	1024	0945	S21	E42	.695	8791	3.6	43D	2N		C	0945	3.71	5.30			
ONDR	30	0943E	0957		S20	E43	.703	8791	3.6	14D	1F		V	0945			1.90		CJ
MANI	30	0944E	0950D	0946	S19	E44	.712	8791	3.7	6D	-N	1		0946	.52	.74			
CAPS	30	0944E	1001D		S21	E45	.728	8791	3.8	17D	1B	2		0947	2.50	3.50		208	J
LOCA	30	0944E	1120	0944	S21	E42	.695	8791	3.6	96D	-N		V	0944	1.26	1.80			
CATA	30	0945E	1010D	0945	S23	E42	.703	8791	3.6	25D	1B			0945	2.35	3.30		214	
GRP 5398	30	1048	1138	1057	S21	E43	.707	8791	3.7	50	1B				1.85				2 2
CAPS	30	1044	1114D		S22	E44	.721	8791	3.7	30D	1B	2		1100	2.00	2.80		201	J
CAPE	30	1052	1138	1057	S20	E42	.692	8791	3.6	46	1N		C	1057	1.69	2.40			K
GRP 5399	30	1051	1131	1121	S21	E42	.695	8791	3.6	40	1N				3.51				4 3
MONT	30	0750E	1230D	1120	S23	E43	.714	8791	3.6	280D	1B			1120	2.50				
WEND	30	1050E	1123		S20	E39	.657	8791	3.4	33D	2N		V		6.19				
CAPE	30	1052	1138	1121	S20	E42	.692	8791	3.6	46	1N			1121	1.84	2.50			F
HUAN	30	1123E	1131		S22	E42	.699	8791	3.6	8D	-F	1	P	1126	.45	.53			E
GRP 5400	30	1154	1221	1203	S22	E42	.699	8791	3.6	27	1N				2.59				6 6
MONT	30	0750E	1230D	1203	S23	E43	.714	8791	3.6	280D	1B			1203	2.50				
HUAN	30	1151E	1207D		S22	E42	.699	8791	3.6	16D	-N	1	P	1155	1.55	1.81			E
CAPF	30	1152E	1225D		S20	E43	.703	8791	3.7	33D	1N		P	1158	2.94	4.27			
WEND	30	1152E	1215		S20	E39	.657	8791	3.4	23D	1N		V		5.16				
CAPE	30	1156E	1219		S21	E40	.673	8791	3.5	23D	-B		P	1156	1.37	1.90			F
CAPS	30	1201E	1215D		S23	E42	.703	8791	3.7	14D	1N	2		1203	2.00	2.80		166	J
GRP 5401	30	1259	1320	1304	S19	W86	.996	8781	24.1	21	1N				.71				3 3
CAPE	30	1256	1351D	1316	S18	W88	.998	8781	23.9	55D	1N		C	1316	.83				
HUAN	30	1300	1310	1303	S18	W85	.994	8781	24.2	10	-F	2	C	1303	.25				D
LOCA	30	1301	1330	1305	S21	W84	.992	8781	24.2	29	1N		V	1305	1.05				
GRP 5402	30	1303	1338	1308	S22	E40	.677	8791	3.5	35	1N				2.99				7 6
WEND	30	1258	1340		S20	E38	.645	8791	3.4	42	2N		V		7.22				
SACP	30	1302	1346	1309	S22	E40	.677	8791	3.5	44	1B		C		3.38	3.88			
ONDR	30	1303E	1330	1306	S23	E40	.681	8791	3.5	27D	1N		V	1306			2.10		CJK
CAPE	30	1304	1333	1309	S21	E40	.673	8791	3.5	29	1N		C	1309	2.85	3.90			KV
CAPE	30	1304	1333	1320	S22	E40	.677	8791	3.5	29	1N			1320	2.29	3.10			
HUAN	30	1305	1332	1307	S23	E41	.692	8791	3.6	27	-N	2	C	1307	.62	.72			
CAPS	30	1305	1339		S22	E42	.699	8791	3.7	34	1N	2		1310	2.60	3.60		170	J
LOCA	30	1305	1343	1309	S21	E40	.673	8791	3.5	38	-N		V	1309	1.26	1.80			
GRP 5403	30	1310	1325		N22	E90	1.000	8798	7.3	15	2F				2.00				1 1
CAPS	30	1310E	1325		N22	E90	1.000	8798	7.3	15D	2F	2		1311	2.00			150	A
GRP 5404	30	1359	1413	1404	N27	W30	.678	8785	28.3	14	-N				1.44				4 3
HUAN	30	1355	1415	1357	N27	W32	.694	8785	28.2	20	-F	2	C	1357	.37	.48			E
WEND	30	1359	1414		N27	W30	.678	8785	28.3	15	1N		V		3.09				
LOCA	30	1402	1408	1404	N26	W30	.669	8785	28.3	6	-N		V	1404	.63	.80			
CAPS	30	1404E	1415		N27	W27	.653	8785	28.6	11D	-N	2		1406	.60	.80			CE
GRP 5405	30	1417	1454	1422	S22	E42	.699	8791	3.7	37	-N				.98				2 2
SACP	30	1403	1510	1412	S20	E42	.692	8791	3.7	67	-N		C		1.58	1.83			
HUAN	30	1430	1437	1431	S23	E41	.692	8791	3.7	7	-F	2	C	1431	.37	.48			D
GRP 5406	30	1446	1508	1450	S21	E40	.673	8791	3.6	22	1N				2.54				3 3
WEND	30	1445	1507		S20	E38	.645	8791	3.5	22	1F		V		4.13				
HUAN	30	1447	1508	1450	S22	E40	.677	8791	3.6	21	-N	2	C	1450	.88	1.00			
CAPS	30	1448E	1503D		S22	E41	.688	8791	3.7	15D	1N	2		1453	2.60	3.60		176	J
GRP 5407	30	1536	1552	1541	S21	E39	.661	8791	3.6	16	-N				.75				2 2
LOCK	30	1535	1552	1541	S21	E38	.649	8791	3.5	17	-F		C	1541	1.00	1.30		10	
HUAN	30	1537	1552	1540	S21	E40	.673	8791	3.7	15	-N	2	C	1540	.50	.57			
GRP 5408	30	1553	1603	1555	N11	E13	.343	8796	1.6	10	-F				.25				1 1
HUAN	30	1553	1603	1555	N11	E13	.343	8796	1.6	10	-F	2	C	1555	.25	.25			D
GRP 5409	30	1604	1612	1608	N24	E82	.995	8798	6.8	8	-F				.40				1 1
LOCK	30	1604	1612	1608	N24	E82	.995	8798	6.8	8	-F		C	1608	.40	1.40		10	
GRP 5410	30	1610	1640	1620	S22	W82	.988	8779	24.5	30	1F				.80				1 1
LOCK	30	1610	1640	1620	S22	W82	.988	8779	24.5	30	1F		C	1620	.80	2.70		10	L
GRP 5411	30	1614	1723	1628	S18	W89	.999	8781	24.0	69	-B				.62				1 1
HALE	30	1614E	1723	1628	S18	W89	.999	8781	24.0	69D	-B	1	P	1628	.62				
GRP 5412	30	1629	1641	1634	N17	E90	1.000	8798	7.4	12	-F				.20				1 1
LOCK	30	1629	1641	1634	N17	E90	1.000	8798	7.4	12	-F		C	1634	.20	.80		10	

SOLAR FLARES

REVISED

APRIL 1967

OBSERVATORY	OBSERVED UT DATE 1967 APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 5413	30	1632	1647	1636	S21	E38	.649	8791	3.5	15	-N				1.97				5 4
HALE	30	1630	1648	1636	S19	E38	.641	8791	3.5	18	-N	1	C	1636	.41	.50			
SACP	30	1631	1646	1637	S21	E39	.661	8791	3.6	15	-N		C		1.78	2.01			
LOCK	30	1632	1645	1636	S21	E38	.649	8791	3.5	13	-N		C	1636	1.10	1.40		20	
WEND	30	1632	1648		S20	E37	.633	8791	3.5	16	1N		V		4.13				
HUAN	30	1634	1646	1636	S22	E39	.665	8791	3.6	12	-N	2	C	1636	.88	1.00			
GRP 5414	30	1718	1733	1723	S21	W29	.541	8784	28.5	15	-F				.30				1 1
LOCK	30	1718	1733	1723	S21	W29	.541	8784	28.5	15	-F		C	1723	.30	.40		10	
GRP 5415	30	1720	1733	1725	S21	E38	.649	8791	3.6	13	-F				.90				1 1
LOCK	30	1720	1733	1725	S21	E38	.649	8791	3.6	13	-F		C	1725	.90	1.20		10	
GRP 5416	30	1743	1751	1747	S21	W29	.541	8784	28.6	8	-F				.20				1 1
LOCK	30	1743	1751	1747	S21	W29	.541	8784	28.6	8	-F		C	1747	.20	.20		10	
GRP 5417	30	1743	1757	1747	S21	E38	.649	8791	3.6	14	-N				1.11				1 1
SACP	30	1743	1757	1747	S21	E38	.649	8791	3.6	14	-N		C		1.11	1.24			
GRP 5418	30	1809	1816	1812	S21	W29	.541	8784	28.6	7	-F				.30				1 1
LOCK	30	1809	1816	1812	S21	W29	.541	8784	28.6	7	-F		C	1812	.30	.40		10	
GRP 5419	30	1811	1819	1813	S17	W16	.345	8788	29.6	8	-F				.30				1 1
LOCK	30	1811	1819	1813	S17	W16	.345	8788	29.6	8	-F		C	1813	.30	.30		10	H
GRP 5420	30	1818	1832	1825	N20	E86	.999	8798	7.2	14	1B				1.00				2 1
LOCK	30	1818	1833	1825	N24	E82	.995	8798	6.9	15	1N		C	1825	1.00	3.40		20	H
MCMA	30	1820E	1830		N15	E90	1.000	8798	7.5	10D	-B		C	1823					
GRP 5421	30	1855	1908	1900	S20	W90	1.000	8781	24.0	13	1F				.60				1 1
LOCK	30	1855	1908	1900	S20	W90	1.000	8781	24.0	13	1F		C	1900	.60	2.40		10	H
GRP 5422	30	1905	1918	1909	S21	W29	.541	8784	28.6	13	-F				.50				1 1
LOCK	30	1905	1918	1909	S21	W29	.541	8784	28.6	13	-F		C	1909	.50	.70		10	
GRP 5423	30	1925	1927		S22	E39	.665	8791	3.7	2	-F				.88				1 1
HUAN	30	1925E	1927D		S22	E39	.665	8791	3.7	2D	-F	1	P	1926	.88	1.00			
GRP 5424	30	1941	1953	1947	S21	W29	.541	8784	28.6	12	-F				.20				1 1
LOCK	30	1941	1953	1947	S21	W29	.541	8784	28.6	12	-F		C	1947	.20	.20		10	
GRP 5425	30	1952	2003	1955	S21	E37	.638	8791	3.6	11	-N				.80				3 3
LOCK	30	1950	2001	1956	S21	E38	.649	8791	3.7	11	-F		C	1956	1.00	1.30		10	
HUAN	30	1953	2000	1954	S22	E38	.654	8791	3.7	7	-N	2	C	1954	.88	1.00			
HALE	30	1954	2007	1955	S21	E36	.626	8791	3.5	13	-N	2	C	1955	.52	.70			J
GRP 5426	30	2010	2016	2013	S21	W29	.541	8784	28.7	6	-F				.20				1 1
LOCK	30	2010	2016	2013	S21	W29	.541	8784	28.7	6	-F		C	2013	.20	.20		10	
GRP 5427	30	2048	2103	2050	N14	E13	.381	8796	1.8	15	-N				.52				1 1
MCMA	30	2048E	2103	2050	N14	E13	.381	8796	1.8	15D	-N		C	2050	.52	.50			E
GRP 5428	30	2058	2128	2112	N24	E82	.995	8798	7.0	30	-F				.40				1 1
LOCK	30	2058	2128	2112	N24	E82	.995	8798	7.0	30	-F		C	2112	.40	1.40		10	
GRP 5429	30	2131	2153	2139	S20	E41	.680	8791	4.0	22	-N				.82				3 3
SACP	30	2130	2152	2138	S20	E41	.680	8791	4.0	22	-N		C		.93	1.06			
LOCK	30	2131	2152	2140	S20	E40	.669	8791	3.9	21	-F		C	2140	.90	1.40		10	
CULG	30	2131	2155	2138	S21	E41	.684	8791	4.0	24	-N		C		.62	.84			
GRP 5430	30	2219	2244	2225	S23	E45	.735	8791	4.3	25	-N				.85				3 3
LOCK	30	2218	2240	2225	S23	E43	.714	8791	4.2	22	-N		C	2225	1.00	1.50		20	
SACP	30	2220	2244	2226	S23	E45	.735	8791	4.3	24	-N		C		.94	1.13			
CULG	30	2220	2248	2225	S22	E46	.742	8791	4.4	28	-N		C		.62	.90			F
GRP 5431	30	2242	2251	2245	N11	E06	.283	8796	1.4	9	-F				.20				1 1
LOCK	30	2242	2251	2245	N11	E06	.283	8796	1.4	9	-F		C	2245	.20	.20		10	
GRP 5432	30	2249	2336	2306	S21	E35	.614	8791	3.6	47	-N				1.12				5 5
CULG	30	2246	2340	2308	S21	E35	.614	8791	3.6	54	-N		C		.93	1.26			
SACP	30	2249	2330	2308	S20	E35	.609	8791	3.6	41	-N		C		1.40	1.54			
LOCK	30	2250	2345	2302	S21	E35	.614	8791	3.6	55	-F		C	2302	1.10	1.40		10	
HALE	30	2252	2304D	2304U	S21	E35	.614	8791	3.6	12D	-B	1	P	2304	.52	.70			
MANI	30	2310E	2330		S20	E35	.609	8791	3.6	20D	-N	2		2313	1.65	2.09			
GRP 5433	30	2312	2343	2322	N36	E08	.656	8789	1.6	31	-N				.72				1 1
CULG	30	2312	2343	2322	N36	E08	.656	8789	1.6	31	-N		C		.72	.91			FL
GRP 5434	30	2317	2343	2328	N27	W39	.754	8785	28.0	26	1B				1.87				4 4
CULG	30	2316	2351	2328	N27	W39	.754	8785	28.0	35	-B		C		1.24	1.80			F
SACP	30	2317	2330D	2329	N27	W38	.746	8785	28.1	13D	1B		C		2.70	3.32			
LOCK	30	2318	0030	2332	N26	W41	.765	8785	27.9	72	1N		C	2332	2.80	4.50		20	
MANI	30	2321E	2335	2324	N26	W36	.722	8785	28.3	14D	-B	2		2324	.72	1.06			
GRP 5435	30	2319	2337	2326	N15	E86	.999	8798	7.4	18	1N				.92				2 2
LOCK	30	2318	2337	2325	N14	E82	.993	8798	7.1	19	1N		C	2325	1.00	3.40		20	
SACP	30	2319	2330D	2327	N15	E89	1.000	8798	7.6	11D	1N		C		.84				
GRP 5436	30	2331	2359	2341	S26	E60	.877	8794	5.5	28	-N				.64				3 3
LOCK	30	2330	0005	2342	S25	E59	.868	8794	5.4	35	-N		C	2342	1.00	1.90		20	
CULG	30	2331	2357	2340	S25	E60	.875	8794	5.5	26	-N		C		.62	1.20			
MANI	30	2336E	2354		S27	E60	.878	8794	5.5	18D	-N	2		2338	.31	.58			
GRP 5437	30	2337	2355	2342	S18	W90	1.000	8781	24.2	18	1F				.70				1 1
LOCK	30	2337	2355	2342	S18	W90	1.000	8781	24.2	18	1F		C	2342	.70	2.80		10	H

SOLAR FLARES

REVISED

MARCH 1967

OBSERVATORY	OBSERVED UT DATE 1967 MAR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION — MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP 4735	31	2127	2200	2127	N19	W65	.933	8740	27.0	33	1-				.63				3 3 3
LOCK	31	2117	2200	2120	N19	W65	.933	8740	27.0	43	1N		C	2120	1.30	2.70		20	H
HUAN	31	2132E	2149D		N19	W68	.949	8740	26.8	17D	-B	1	P	2145	.55				D
HALE	31	2132	2210	2133	N18	W62	.913	8740	27.2	38	-N	1	C	2133	.15				
GRP 4736	31	2200	2312	2218	N18	W64	.926	8740	27.1	72	1				.94				2 2 2
LOCK	31	2200	2330	2220	N19	W65	.933	8740	27.0	90	1N		C	2220	1.00	2.30		20	
MANI	31	2212E	2254	2216	N17	W62	.911	8740	27.3	42D	1N	1		2216	1.03	2.10			
GRP 4737	31	2214	2232	2219	S24	W68	.922	8739	26.8	18	1				.98				2 2 2
LOCK	31	2212	2230	2218	S24	W68	.922	8739	26.8	18	1N		C	2218	1.40	3.20		20	
HALE	31	2215	2233	2220	S23	W68	.922	8739	26.8	18	-N	2	C	2220	.41				
GRP 4738	31	2220	2330	2233	N19	W64	.927	8740	27.1	70	1-				.62				2 1 2
LOCK	31	2212	2235D	2235	N19	W65	.933	8740	27.0	23D			C	2235	1.00	2.30		20	
HALE	31	2228	2330	2230	N18	W62	.913	8740	27.3	62	-N	1	C	2230	.21				
GRP 4739	31	2326	2345	2333	S19	W04	.225	8745	31.7	19	1-				.40				1 1 1
LOCK	31	2326	2345	2333	S19	W04	.225	8745	31.7	19	-F		C	2333	.40	.40		10	L
GRP 4740	31	2335	0103	2353	S24	W72	.945	8739	26.6	88	1				1.96				1 1 1
LOCK	31	2335	0103D	2353	S24	W72	.945	8739	26.6	88D	1N		C	2353	1.90	4.80		20	H
GRP 4741	31	2348	0025	0005	N21	W68	.952	8740	26.9	37	1				1.14				2 2 2
MITK	31	2347	0025	0006	N22	W67	.949	8740	27.0	38	1N		C	0006	1.13				E
HALE	31	2348	0004D	0004U	N20	W68	.951	8740	26.9	16D	2B	2	P	0004	1.24				FI
GRP 4742	31	2359	0050	0017	S23	W69	.928	8739	26.8	51	1				1.33				1 1 1
LOCK	31	2359	0050	0017	S23	W69	.928	8739	26.8	51	1N		C	0017	1.30	2.70		20	
GRP 4743	31	2359	0100	0020	S20	W04	.241	8745	31.7	61	1-				1.28				1 1 1
LOCK	31	2359	0100	0020	S20	W04	.241	8745	31.7	61	-F		C	0020	1.20	1.20		10	L

The March 1967 Flares listed here were inadvertedly omitted from the listing in IER-FB-277, September 1967.