SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22501	01	0943	0948	0945	N09	W23	.445	10057	29.7	5	--F				.83				2 2 2 6
MONT	01	0942	0948	0944	N09	W22	.432	10057	29.8	6	-N		C	0944	1.03				
ZURI	01	0944	0947	0945	N09	W23	.445	10057	29.7	3	-F		C	0945	.63	.70			
GRP22505	01	1333	1347	1338	S12	E89	.999	10071	8.2	14	--F				.92				3 3 1 7
MCMA	01	1332	1346	1338	S11	E90	1.000	10071	8.3	14	-N		C	1338					
CAPE	01	1333	1347	1338	S12	E90	1.000	10071	8.3	14	-F		C	1338	.92				
HURB	01	1335E	1347		S13	E86	.996	10071	8.0	12D	1F						1.60		
GRP22506	01	1410	1450	1415	S11	E90	1.000	10071	8.3	40	-N				1.04				2 1 1 6
MCMA	01	1410	1450	1415	S11	E90	1.000	10071	8.3	40	-N		C	1427					K
SACP	01	1413	1530	1438	S11	E91	1.000	10071	8.4	77	-N		C		1.04				
GRP22512	01	2042	2109	2047	N11	W27	.513	10057	29.8	27	--F				.42				2 2 2 3
SACP	01	2041	2103	2048	N12	W27	.520	10057	29.8	22	-F		C		.42	.44			
MCMA	01	2042	2114	2046	N12	W27	.520	10057	29.8	32	-N		C	2046	.41	.50			D
MCMA	01	2055	2118	2100	N08	W28	.507	10057	29.8	23	-N		C	2100	.52	.60			E
GRP22513	01	2124	2209	2133	N08	W28	.507	10057	29.8	45	--N				.36				2 2 2 3
MCMA	01	2123	2210E	2132	N08	W27	.493	10057	29.9	47D	-N		C	2132	.41	.50			ELK
SACP	01	2125	2208	2134	N07	W28	.502	10057	29.8	43	-N		C		.31	.32			
GRP22514	01	2207	2221	2212	S13	E84	.993	10071	8.2	14	-N				.37				4 4 3 4
SACP	01	2202	2223	2212	S12	E81	.986	10071	8.0	21	-N		C		.31				
MCMA	01	2207	2223	2211	S11	E87	.998	10071	8.4	16	-N		C	2211					E
MANI	01	2209	2223	2213	S15	E83	.991	10071	8.1	14	-N	1		2213	.41	1.13			
BOUL	01	2210	2213	2211	S15	E85	.995	10071	8.3	3	-N		C		.40	1.30			
GRP22520	02	0551	0557	0554	N10	E50	.785	10065	6.0	6	-N				.85				4 4 3 6
ISTA	02	0550E	0556		N08	E49	.770	10065	5.9	6D	-N								
CRON	02	0552	0557	0554	N11	E48	.767	10065	5.8	5	-N		C		.60	1.20			H
TACH	02	0552E	0557D	0554	N11	E50	.788	10065	6.0	5D	-B		C	0554	.72	1.20		72	D
MANI	02	0554E	0559		N10	E52	.806	10065	6.1	5D	-N	2		0555	1.24	2.03			
GRP22523	02	0837	0844	0840	S14	E69	.931	10071	7.5	7	--N				.42				3 3 3 13
MANI	02	0836	0845	0839	S15	E72	.949	10071	7.8	9	-F	1		0839	.41	.90			
MEUD	02	0837	0844	0839	S14	E68	.925	10071	7.5	7	-N		C	0839	.31				D
ZURI	02	0838	0843	0841	S12	E66	.911	10071	7.3	5	-N		C	0841	.53				
GRP22524	02	0849	0904	0853	S13	E72	.949	10071	7.8	15	-N				.51				3 3 3 12
CATA	02	0845	0910	0850	S12	E68	.925	10071	7.5	25	-N			0850	.52			162	Z
CAPS	02	0850E	0854		S12	E75	.964	10071	8.0	4D	-N	1	S	0850	.50				
MANI	02	0851	0907	0856	S15	E72	.949	10071	7.8	16	-F	1		0856	.52	1.10			
GRP22526	02	0951	0957	0951	S13	E68	.925	10071	7.5	6	--F				.37				3 3 3 11
HTPR	02	0950	1000	0951	S14	E69	.931	10071	7.6	10	-F		C	0951	.52				
CATA	02	0950E	0955	0950	S12	E68	.925	10071	7.5	5D	-N			0950	.29			155	
MEUD	02	0952	0955	0952	S14	E67	.919	10071	7.4	3	-F		C	0952	.31				D
GRP22527	02	1001	1029	1009	S14	E77	.972	10071	8.2	28	--F				.30				3 2 2 12
CATA	02	0955	1035	1005	S13	E76	.968	10071	8.1	40	-N			1005	.29			186	
HTPR	02	1006	1022	1013	S15	E77	.972	10071	8.2	16	-F		C	1013	.31				
CANR	02	1023E	1032	1024U	S11	E80	.983	10071	8.4	9D	1N		C		.80	2.40			
GRP22529	02	1221	1241	1226	N11	E45	.734	10065	5.9	20	--F				.45				5 5 5 13
HTPR	02	1218	1245	1226	N10	E43	.708	10065	5.7	27	-F		C	1226	.31	.40			G
MEUD	02	1221	1223D		N10	E45	.731	10065	5.9	2D	-F		C	1222	.41	.60			
ZURI	02	1222	1240	1226	N11	E45	.734	10065	5.9	18	-F		C	1226	.63	.90			
CAPS	02	1222	1241		N12	E46	.749	10065	6.0	19	-F	2	V	1224	.50	.70		152	JL
MCMA	02	1222E	1238		N12	E46	.749	10065	6.0	16D	-N		C	1223	.41	.60			E
GRP22530	02	1146	1230	1212	S14	E78	.976	10071	8.3	44	-F				.54				3 2 2 12
MCMA	02	1146	1200D	1149	S10	E70	.937	10071	7.7	14D	-F		C	1149	.41	1.30			E
CATA	02	1200	1230D	1210	S14	E76	.968	10071	8.2	30D	-N			1210	.17			186	
ABST	02	1204E	1214D	1214	S13	E80	.983	10071	8.5	10D	1F		P	1214	.90				EK
22530	02	1226	1259	1234	S12	E76	.968	10071	8.2	33	*-F				.47				2 2 2 13
ZURI	02	1226	1259	1232	S12	E74	.959	10071	8.1	33	-F	8	C	1232	.53				
MCMA	02	1234E	1250D	1235	S12	E78	.976	10071	8.4	16D	-N	8	C	1235	.41				E
GRP22534	02	1317	1328	1320	N11	E45	.734	10065	5.9	11	-N				.78				4 4 4 12
HTPR	02	1316	1330	1320	N10	E44	.720	10065	5.9	14	-N		C	1320	1.03	1.50			G
MCMA	02	1316	1330	1321	N11	E45	.734	10065	5.9	14	-N		C	1321	.41	.60			E
SACP	02	1316	1330	1319	N11	E45	.734	10065	5.9	14	-F		C		1.04	1.27			
ZURI	02	1318	1321	1318	N11	E45	.734	10065	5.9	3	-N		C	1318	.63	.90			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22535	02	1349	1402	1354	S14	E71	.943	10071	7.9	13	-N				.65				7 7 7 12
SACP	02	1345	1403	1355	S13	E70	.937	10071	7.8	18	-F		C		.41	.77			
MCMA	02	1349E	1401		S12	E70	.937	10071	7.8	12D	-N		C	1355	.36	1.10			E
ZURI	02	1349	1358	1356	S13	E73	.954	10071	8.1	9	1N		C	1356	1.05				
CAPE	02	1350	1410	1356	S14	E73	.954	10071	8.1	20	-F		C	1356	.92				K
HTPR	02	1350E	1350D		S15	E72	.949	10071	8.0		-N		C	1350	1.03				
CATA	02	1350E	1400D	1350	S17	E71	.943	10071	7.9	10D	-N			1350	.34			178	
MEUD	02	1355E	1356D		S15	E67	.919	10071	7.6	1D	-N		C	1355	.41				D
GRP22536	02	1402	1411	1405	S12	E74	.959	10071	8.1	9	-N				.60				5 5 5 11
CAPE	02	1350	1410	1405	S12	E75	.964	10071	8.2	20	-F			1405	.92				
SACP	02	1401	1417	1405	S11	E74	.959	10071	8.1	16	-N		C		.41	.88			
MCMA	02	1402	1413	1405	S10	E73	.954	10071	8.1	11	-N		C	1405	.26	1.00			D
HTPR	02	1403E	1407	1404	S14	E76	.968	10071	8.3	4D	-F		C	1404	.41				
ZURI	02	1403	1406	1404	S12	E74	.959	10071	8.1	3	1N		C	1404	.99				
GRP22540	02	1526	1538	1529	S13	E71	.943	10071	8.0	12	-N				.67				4 4 4 10
MCMA	02	1525	1540	1529	S12	E70	.937	10071	7.9	15	-B		C	1529	.52	1.80			EL
SACP	02	1526	1540	1529	S13	E69	.931	10071	7.8	14	-N		C		.84	1.50			
ZURI	02	1526	1533	1528	S13	E70	.937	10071	7.9	7	-N		C	1528	.69				
HTPR	02	1527	1530D		S15	E75	.963	10071	8.3	3D	-N		C	1529	.62				
GRP22541	02	1745	1850	1752	N08	W40	.665	10057	29.7	65	1B				3.09				3 3 3 3
MCMA	02	1744	1900	1752	N08	W41	.677	10057	29.7	76	2B		C	1752	3.87	5.10			FLZ
CANR	02	1745	1800D	1751	N09	W38	.644	10057	29.9	15D	1B		C		2.60	3.40			E
BOUL	02	1747	1805D	1752	N09	W40	.669	10057	29.7	18D	1B		C		2.80	3.90			
BOUL	02	1816E	1840	1816U	N04	W43	.691	10057	29.5	24D	-N		C		1.30	1.80			
542 MCMA	02	1810	1822		S22	E90	1.000	10075	9.5	12	-N		C	1817					Y 3
	02	2052	2110	NO FLARE PATROL															
543 MCMA	02	2110E	2115		S12	E65	.904	10071	7.8	5D	--F		C	2110	.41	1.00			E 1
	02	2117	2130	NO FLARE PATROL															
GRP22544	02	2312	2329	2316	S12	E69	.931	10071	8.1	17	-B				.76				2 2 2 3
VORO	02	2311	2322		S10	E70	.937	10071	8.2	11	-B		C	2313	.74	1.66		86	Y
MANI	02	2312	2335	2316	S13	E68	.925	10071	8.1	23	-N	2		2316	.77	1.60			
545 MITK	02	2313	0007	2327	N04	W47	.739	10057	29.4	54	--F		C	2327	.72	1.10			D 3
GRP22547	03	0418	0438	0424	N15	W61	.893	10057	28.6	20	-N				.92				3 2 2 3
MITK	03	0417E	0442	0427	N14	W61	.892	10057	28.6	25D	1N		C	0427	1.34	2.90			EG
CRON	03	0418	0433	0421	N16	W61	.895	10057	28.6	15	-N		C		.50	1.00			
MANI	03	0435E	0440D		N14	W62	.899	10057	28.5	5D	-F	2		0436	.83	1.60			
GRP22549	03	0903	0910	0904	N11	W63	.902	10057	28.7	7	-B				1.12				6 6 4 14
MEUD	03	0901	0908	0903	N12	W65	.917	10057	28.5	7	-B		C	0903	.72				
CANR	03	0902	0909	0903	N11	W67	.929	10057	28.4	7	-N		C		.60	1.30			
MONT	03	0903E	0911	0905	N10	W67	.928	10057	28.4	8D	1N		C	0905	2.37				
ZURI	03	0905	0909	0906	N12	W73	.963	10057	27.9	4	1N		C	0906	.77				
CAPS	03	0905	0914		N12	W60	.881	10057	28.9	9	-B	2	V						
HURB	03	0906E	0909D		N07	W45	.722	10057	30.0	3D	-B						2.10		
GRP22552	03	1019	1024	1021	N11	W69	.941	10057	28.3	5	-N				.87				3 3 3 12
MEUD	03	1018	1023	1019	N12	W66	.924	10057	28.5	5	-N		C	1019	.62				
MONT	03	1019	1025	1022	N10	W67	.928	10057	28.4	6	-N		C	1022	1.13				
ZURI	03	1021	1025	1022	N12	W73	.963	10057	28.0	4	1N		C	1022	.85				
560 SACP	03	1729	1741	1731	S13	E91	1.000	10077	10.6	12	-N		C		.31				2
561 SACP	03	1857	1909U	1858U	N06	W52	.797	10057	29.9	12D	--F		C		.41	.54			2
562 SACP	03	1913	1944	1919	S13	E91	1.000	10077	10.6	31	-N		C		.41				2
563 SACP	03	1933	1938	1934	N10	W76	.974	10057	28.1	5	--N		C		.31	.75			2
GRP22564	03	1945	2030	1955	N06	W59	.864	10057	29.4	45	1N				2.07				2 2 2 2
SACP	03	1945U	2027	1955	N09	W55	.832	10057	29.7	42D	-N		C		1.46	2.05			
SACP	03	1957U	2030U	2003	N04	W61	.879	10057	29.3	33D	-F		C		1.14	1.75			
HALE	03	2001E	2030		N06	W59	.864	10057	29.4	29D	2N	1	P	2018	2.68	5.30			F
GRP22565	03	2134	2236	2141	S27	E74	.961	10075	9.4	62	--F				1.04				2 2 2 3
CULG	03	2125E	2236	2140	S27	E73	.957	10075	9.4	71D	1F		P	2140	1.65				
SACP	03	2142	2152D	2142U	S27	E75	.965	10075	9.5	10D	-N		C		.42	.93			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22566	03	2223	2239	2225	S12	E53	.799	10071	7.9	16	--N				.47				2 2 2 4
MANI	03	2221	2241	2225	S13	E52	.789	10071	7.8	20	-N	2		2225	.41	.66			
HALE	03	2224	2236	2225	S11	E53	.798	10071	7.9	12	-N	2	C	2225	.52	.80			
GRP22569	03	2345	0022	2355	S10	E49	.754	10071	7.7	37	--F				.63				2 2 2 5
MITK	03	2341	0022	2358	S11	E48	.744	10071	7.6	41	-F		C	2358	.72	1.10			D
SACP	03	2348	2357D	2351	S09	E49	.754	10071	7.7	9D	-F		C		.53	.64			
GRP22570	04	0112	0129	0117	N14	W74	.968	10057	28.5	17	1F				1.11				5 5 5 5
SACP	04	0110	0126	0115	N13	W72	.958	10057	28.6	16	-F		C		.73	1.54			
CRON	04	0111	0122	0115	N16	W76	.977	10057	28.3	11	-F		C		.60	1.70			H
MANI	04	0111	0135	0116	N13	W72	.958	10057	28.6	24	-F	2		0116	.72	1.60			
MITK	04	0112	0122	0115	N14	W72	.959	10057	28.6	10	2F		C	0115	2.27				GH
CULG	04	0115	0138	0122	N16	W76	.977	10057	28.4	23	1N		C	0117	1.24				DV
GRP22571	04	0116	0151	0126	N07	W54	.819	10057	30.0	35	-F				1.52				4 3 3 5
CULG	04	0110	0208	1223	N12	W58	.864	10057	29.7	58	1N		C	0122	1.96				H
MANI	04	0111	0200	0122	N05	W55	.826	10057	29.9	49	-F	2		0122	1.24	2.00			
MITK	04	0117	0141	0129	N08	W55	.830	10057	29.9	24	1F		C	0129	2.58	4.60			E
SACP	04	0121	0129D	0128	N07	W53	.809	10057	30.1	8D	-N		C		.75	1.01			
GRP22572	04	0442	0513	0452	N08	W68	.933	10057	29.1	31	1F				1.19				2 2 2 5
CULG	04	0441	0531	0454	N08	W68	.933	10057	29.1	50	2F		C	0454	2.06				S
MANI	04	0443	0455	0449	N07	W68	.932	10057	29.1	12	-F	2		0449	.31	.65			
GRP22576	04	0728	0754	0734	N10	W61	.886	10057	29.7	26	-N				.96				6 6 4 10
BUCA	04	0720	0800	0736	N10	W62	.893	10057	29.7	40	-F		C	0736	.88	1.90			
CRON	04	0721	0748	0732	N10	W61	.886	10057	29.7	27	1N								
CRON	04	0721	0748	0723	N10	W61	.886	10057	29.7	27	1N		C		1.10	2.30			K
CANR	04	0728	0749	0735	N10	W61	.886	10057	29.7	21	-N		C		.90	1.90			
HURB	04	0729E	0751D		N09	W59	.868	10057	29.9	22D	1N						2.40		
CAPS	04	0735	0802		N12	W60	.881	10057	29.8	27	-N	3	P	0738	.70	1.30		182	
MANI	04	0735E	0743D		N11	W60	.879	10057	29.8	8D	1F	1		0735	1.34	2.60			
GRP22583	04	2048	2059	2052	S14	E40	.652	10071	7.9	11	--N				.47				2 2 2 2
SACP	04	2046	2100	2051	S13	E40	.650	10071	7.9	14	-N		C		.52	.58			
MCMA	04	2049	2057	2052	S14	E39	.640	10071	7.8	8	-N		C	2052	.41	.50			E
GRP22584	04	2256	2315	2304	S12	E38	.622	10071	7.8	19	--N				.73				3 3 3 3
MANI	04	2256	2315	2302	S12	E38	.622	10071	7.8	19	-N	2		2302	.83	1.08			
SACP	04	2256	2315	2305	S12	E38	.622	10071	7.8	19	-N		C		.63	.69			
MITK	04	2305E	2314		S13	E38	.624	10071	7.8	9D	-N		C	2305	.72	.90			D
GRP22587	05	0145	0241	0159	N07	W69	.938	10057	29.9	56	-F				.93				2 2 2 5
MANI	05	0145E	0230	0158	N05	W70	.942	10057	29.8	45D	-F	2		0158	.41	.90			
CULG	05	0153E	0252	0200	N08	W68	.933	10057	30.0	59D	1N		P	0200	1.44				
GRP22589	05	0213	0239	0220	S29	E77	.974	10078	10.9	26	-F				.83				2 2 2 5
CULG	05	0213	0241	0220	S28	E75	.966	10078	10.7	28	1N		C	0220	.93				D
MANI	05	0215E	0237	0220	S30	E78	.977	10078	10.9	22D	-F	2		0220	.72	1.79			
GRP22595	05	0815	0829	0819	S14	E33	.561	10071	7.8	14	-N				1.38				5 5 3 7
ISTA	05	0815	0830	0820	S14	E32	.547	10071	7.7	15	-F								
MANI	05	0816E	0823D	0820	S14	E35	.588	10071	8.0	7D	-N	2		0820	1.13	1.44			
CRIM	05	0816E	0828	0818	S14	E34	.574	10071	7.9	12D	-F		C	0818	1.43	1.76			D
ZURI	05	0818E	0820D	0818	S13	E30	.516	10071	7.6	2D	-N		P	0818	1.58	1.90			
HURB	05	0818E	0824D		S14	E36	.601	10071	8.0	6D	-N						2.00		
4 STATIONS REPORTING GROUP 22596. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22596	05	0927	1022	0953	N08	W72	.955	10057	30.0	55	2N				3.16				3 3 1 6
ZURI	05	0924	1046	0949	N08	W76	.973	10057	29.7	82	2N		C	0949	3.16				
CANR	05	0930	1006	0956	N08	W73	.960	10057	29.9	36	1N								
HURB	05	0956E	1014D		N08	W66	.920	10057	30.5	18D	2F						2.40		
22596	05	0929	1006	0938	N09	W73	.961	10057	29.9	37	*1F				1.52				2 2 2 7
MANI	05	0927E	0950D		N10	W73	.961	10057	29.9	23D	1F	1		0938	1.34	2.80			
CANR	05	0930	1006	0938	N08	W73	.960	10057	29.9	36	1N		C		1.70	4.40			EK
GRP22597	05	0944	0953	0947	S30	E73	.958	10078	10.9	9	-B				.73				4 4 2 7
CANR	05	0944	0950	0946	S28	E75	.966	10078	11.0	6	-B		C		.40	1.10			
ONDR	05	0944	0955		S31	E69	.940	10078	10.6	11	-N		V	0947			2.20		CJ
ZURI	05	0945	0952	0947	S32	E72	.955	10078	10.8	7	1N		C	0947	1.05				
HURB	05	0947E	0955D		S30	E74	.963	10078	11.0	8D	1B						3.00		
GRP22600	05	1141	1152	1144	S13	E67	.919	10077	10.5	11	--F				.53				2 2 1 5
ZURI	05	1140	1152	1144	S12	E69	.932	10077	10.7	12	-N		C	1144	.53				
ONDR	05	1142	1149D		S14	E65	.905	10077	10.4	7D	-F		V	1148			2.00		CDG

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22601	05	1240	1257	1245	N09	W77	.977	10057	29.8	17	1N				.56				5 4 2 7
NERA	05	1237	1250		N09	W72	.956	10057	30.1	13	1B	2							
ONDR	05	1240E	1255		N10	W80	.987	10057	29.5	15D	1F		V	1242			1.80		AGK
CANR	05	1242	1247	1244	N07	W80	.986	10057	29.5	5	-N		C		.50	1.50			H
HERS	05	1245E	1315D	1245	N08	W75	.969	10057	29.9	30D	1N		V	1255	.62	2.40	1.60		BDHY
MCMA	05	1259E	1400D		N06	W90	1.000	10057	28.8	61D	2N		P	1259					B
GRP22603	05	1358	1414	1403	S30	E73	.958	10078	11.1	16	1N				.52				5 5 3 8
MCMA	05	1351	1430D	1403	S30	E76	.970	10078	11.3	39D	-B		C	1403	.41	1.70			E
ZURI	05	1357	1407	1402	S31	E77	.974	10078	11.4	10	-N		C	1402	.53				
ONDR	05	1402	1413	1404	S31	E67	.930	10078	10.6	11	1N		V	1404			3.00		CJR
SACP	05	1402E	1412	1402U	S30	E74	.963	10078	11.1	10D	-B		C		.63	1.36			
HURB	05	1404E	1410D		S30	E70	.944	10078	10.8	6D	2N						3.60		
GRP22605	05	1449	1522	1452	S30	E75	.967	10078	11.2	33	-B				.41				2 1 1 5
MCMA	05	1449	1522	1452	S30	E75	.967	10078	11.2	33	-B		C	1452	.41	1.60			E
ONDR	05	1455	1522		S31	E66	.924	10078	10.6	27	1F		V	1518			2.20		CJK
GRP22606	05	1528	1556	1532	S11	E29	.494	10071	7.8	28	-B				.52				2 2 1 3
MCMA	05	1528	1614	1532	S12	E30	.512	10071	7.9	46	-B		C	1532	.52	.60			E
ONDR	05	1529E	1538		S10	E28	.477	10071	7.7	9D	1N		V	1533			2.60		CR
609 MCMA	05	1833E	1842		S28	E76	.970	10078	11.5	9D	--N		C	1834	.26	1.10			D 3
610 MCMA	05	1910	1929	1916	S12	E28	.483	10071	7.9	19	--N		C	1918	.62	.70			E 2
GRP22611	05	1956	2020	2000	N08	W79	.984	10057	29.9	24	-N				.35				3 3 2 3
HALE	05	1956	2007	1959	N09	W76	.974	10057	30.1	11	-N	1	C	1959	.21				
SANM	05	1956	2026D	2002	N07	W80	.986	10057	29.8	30D	-N		P		.48				D
MCMA	05	1956	2005	2000	N08	W80	.987	10057	29.8	9	-N		C	2000					D
MCMA	05	2020	2027	2024	N08	W80	.987	10057	29.8	7	-N		C	2024					D
612 MCMA	05	2023	2120	2035	S13	E28	.487	10071	7.9	57	-B		C	2035	1.24	1.40			ELV 1
GRP22613	05	2145	2221	2157	S11	E25	.435	10071	7.8	36	--F				1.24				2 2 2 4
MCMA	05	2145	2221	2157	S11	E25	.435	10071	7.8	36	-N		C	2157	.72	.80			E
MANI	05	2148E	2221		S11	E24	.420	10071	7.7	33D	-F	2		2153	1.75	1.90			
GRP22615	06	0234	0332	0241	S31	E67	.930	10078	11.1	58	1B				2.12				5 5 5 5
CULG	06	0231	0347	0244	S31	E70	.946	10078	11.4	76	2B		C	0244	2.68				
CRON	06	0236	0252	0240	S32	E65	.920	10078	11.0	16	1B		C		1.10	2.50			EH
MANI	06	0240E	0338		S29	E67	.928	10078	11.1	58D	2B	1		0245	2.68	5.60			
HALE	06	0240E	0335		S29	E65	.917	10078	11.0	55D	1B	2	P	0240	2.32				U
TACH	06	0259E	0308	0240	S32	E70	.946	10078	11.4	9D	1B		C	0240	1.80			96	E
616 CRIM	06	0637E	0641D	0639	N10	W90	1.000	10057	29.5	4D	--F		C	0639	.36				D 4
	06	0858	0906	NO FLARE PATROL															
618 CATA	06	1135E	1145D	1140	S12	E19	.351	10071	7.9	10D	-N			1140	.98	1.06		178	2
619 MEUD	06	1157	1200D	1157	S32	E58	.876	10078	10.8	3D	--F		C						3
	06	1222	1224	NO FLARE PATROL															
	06	1239	1243	NO FLARE PATROL															
	06	1248	1253	NO FLARE PATROL															
GRP22621	06	1452	1505	1500	S13	E16	.315	10071	7.8	13	--N				.52				3 3 2 3
ONDR	06	1450	1507	1501	S13	E16	.315	10071	7.8	17	-N		V	1501			1.90		CDJ
SANM	06	1454	1503	1459	S14	E16	.323	10071	7.8	9	-F		C		.32	.34			D
MEUD	06	1500E	1505		S13	E16	.315	10071	7.8	5D	-N		C	1500	.72	.70			D
GRP22623	06	1536	1547	1538	S14	E17	.337	10071	7.9	11	--N				.52				2 2 2 4
SANM	06	1535	1545	1538	S14	E16	.323	10071	7.8	10	-N		C		.32	.33			D
SANM	06	1536	1549	1538	S15	E20	.386	10071	8.1	13	-F		C		.17	.18			D
MEUD	06	1537E	1541D	1538	S13	E16	.315	10071	7.9	4D	-N		C	1538	.72	.70			C
	06	1731	1746	NO FLARE PATROL															
	06	1751	1800	NO FLARE PATROL															
GRP22624	06	1836	1912	1839	N25	W37	.719	10064	4.0	36	--F				1.09				2 2 2 3
SANM	06	1835	1858	1838	N24	W37	.712	10064	4.0	23	-F		C		1.29	1.85			E
HALE	06	1836	1926	1839	N26	W36	.716	10064	4.1	50	-F	2	C	1839	.88	1.20			
	06	2007	2021	NO FLARE PATROL															

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
	06	2102	2110	NO FLARE PATROL															
625 SACP	06	2118	2126	2122	S10	E14	.263	10071	7.9	8	--F		C		.41	.41			2
626 SACP	06	2150E	2157	2154	S10	E14	.263	10071	8.0	7D	--F		C		.31	.31			3
GRP22627	06	2256	2309	2258	S12	E14	.278	10071	8.0	13	--F				.52				2 2 2 3
SACP	06	2256	2306	2258	S11	E14	.270	10071	8.0	10	-N		C		.63	.62			
MANI	06	2256	2312	2258	S12	E13	.264	10071	7.9	16	-F	2		2258	.41	.43			
628 MANI	06	2334	2336D		S11	E12	.241	10071	7.9	2D	--F	2		2336	.62	.64			2
GRP22629	07	0047	0058	0051	S10	E12	.234	10071	7.9	11	--F				1.03				2 2 2 4
SACP	07	0045	0100	0053	S10	E12	.234	10071	7.9	15	-N		C		.73	.72			
SIBE	07	0048	0056	0049	S10	E11	.219	10071	7.9	8	-F		C	0049	1.33	1.40		72	CET
GRP22632	07	0242	0307	0247	S30	E54	.842	10078	11.2	25	-F				1.14				4 4 4 5
CULG	07	0238	0315	0247	S30	E54	.842	10078	11.2	37	1N		C	0247	1.86	3.24			
HALE	07	0242	0308	0246	S29	E54	.840	10078	11.2	26	-N	2	C	0246	.36	.70			
MANI	07	0244E	0310	0247	S31	E53	.837	10078	11.1	26D	-F	2		0247	.62	1.09			
SIBE	07	0244	0256	0247	S30	E53	.834	10078	11.1	12	1F		C	0249	1.71	3.40		79	CD
GRP22633	07	0619	0634	0623	S12	E08	.200	10071	7.9	15	--F				.87				4 4 4 8
ABST	07	0618	0645	0623	S12	E07	.189	10071	7.8	27	-N		C	0623	.99	1.00		64	E
MANI	07	0618	0635	0623	S12	E08	.200	10071	7.9	17	-F	2		0623	.77	.79			
CAPS	07	0618	0620		S12	E08	.200	10071	7.9	2	-N	3	S	0618	.60	.60			
MITK	07	0622	0635	0623	S12	E07	.189	10071	7.8	13	-F		C	0623	1.13	1.10			E
GRP22637	07	1302	1328	1325	S31	E47	.788	10078	11.1	26	-F				2.70				2 2 1 9
ABST	07	1302E	1325D	1325	S31	E46	.780	10078	11.0	23D	1N		P	1325	2.70	4.30		60	EK
HURB	07	1319E	1328D		S30	E47	.784	10078	11.1	9D	-F						1.60		
22637	07	1314	1404	1351	S33	E46	.788	10078	11.0	50	*-N				1.03				6 6 5 10
MCMA	07	1312	1401D		S31	E47	.788	10078	11.1	49D	-N		C	1347	.83	1.30			EHK
SANM	07	1316	1405		S31	E45	.771	10078	10.9	49	1N		C	1350	1.62	2.57			
SANM	07	1316	1405	1338	S31	E45	.771	10078	10.9	49	-N		C		.32	.51			EHW
CAPE	07	1343	1405	1350	S32	E45	.775	10078	10.9	22	-N		C	1350	.83	1.30			H
CANR	07	1344	1400	1349	S33	E47	.796	10078	11.1	16	-N		C		.70	1.10			H
CATA	07	1355E	1400D	1355	S37	E44	.792	10078	10.9	5D	-B			1355	1.16	1.88		200	
LOCA	07	1355E	1410		S31	E45	.771	10078	11.0	15D	1N		S						
GRP22639	07	1553	1616	1555	S11	W02	.134	10071	7.5	23	-N				2.18				5 5 4 5
CANR	07	1552	1605	1554	S10	W03	.123	10071	7.4	13	-N		C		1.90	1.90			L
MCMA	07	1553	1630	1554	S10	W02	.117	10071	7.5	37	-N		C	1554	1.03	1.10			EL
SACP	07	1553	1625	1557	S09	W01	.096	10071	7.6	32	1N		C		4.82	4.75			
NERA	07	1553	1604		S14	E01	.182	10071	7.7	11	1F	2							
SANM	07	1554	1617	1555	S10	W03	.123	10071	7.4	23	-N		C		.97	.98			U
GRP22641	07	1716	1725	1719	S16	E84	.993	10084	14.0	9	--F				.37				2 2 2 6
HALE	07	1715	1725	1717	S16	E84	.993	10084	14.0	10	-F	2	C	1717	.41				
SACP	07	1717	1724	1720	S15	E84	.993	10084	14.0	7	-N		C		.32				
GRP22643	07	1916	1930	1919	S10	E02	.117	10071	8.0	14	--N				.85				3 3 3 4
SANM	07	1915	1930	1918	S11	E01	.130	10071	7.9	15	-F		C		.80	.81			E
HALE	07	1917	1929D	1919	S09	E02	.101	10071	8.0	12D	-N	2	P	1919	.93	.90			J
MCMA	07	1918E	1930D		S10	E04	.132	10071	8.1	12D	-N		C	1920	.83	.80			EL
644 MCMA	07	2024	2043D	2028	S31	E43	.753	10078	11.1	19D	--N		C	2028	.41	.70			E 3
645 MCMA	07	2115E	2131D	2118	S12	E36	.596	10077	10.6	16D	--F		C	2118	.62	.70			E 2
GRP22647	08	0225	0249	0227	S12	E38	.623	10077	11.0	24	-N				.76				3 3 3 3
HALE	08	0224	0250	0227	S11	E37	.608	10077	10.9	26	-N	2	C	0227	.52	.70			
MITK	08	0225	0247	0227	S12	E38	.623	10077	11.0	22	-N		C	0227	.83	1.10			D
MANI	08	0228E	0242D		S12	E39	.636	10077	11.0	14D	-F	2		0232	.93	1.21			
GRP22648	08	0419	0505	0423	S30	E39	.712	10078	11.1	46	1N				1.92				2 2 2 5
ABST	08	0419	0510	0423	S30	E37	.693	10078	11.0	51	1N		C	0423	1.98	2.70		58	EK
CULG	08	0429E	0500		S30	E40	.722	10078	11.2	31D	1N		P	0429	1.86	2.50			
9 STATIONS REPORTING GROUP 22654. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22654	08	1351	1435	1414	S31	E34	.672	10078	11.1	44	-N				1.98				7 6 6 9
SANM	08	1320	1448		S31	E34	.672	10078	11.1	88	1N			1411	2.26	3.03			E
CAPE	08	1331	1430	1409	S31	E33	.663	10078	11.0	59	-N			1409	1.20	1.60			
HTPR	08	1349E	1440	1410	S32	E34	.679	10078	11.1	51D	1N		C	1410	2.06	2.80			E
SACP	08	1353	1435	1411	S31	E33	.663	10078	11.1	42	-N		C		1.58	1.79			
CAPS	08	1356E	1429		S31	E35	.681	10078	11.2	33D	-N	2	P	1403	1.00	1.30		176	
ZURI	08	1410E	1428	1412	S32	E32	.662	10078	11.0	18D	1N		P	1412	3.78	5.00			
ABST	08	1427E	1445D	1428	S30	E34	.665	10078	11.2	18D	1N		P	1428	2.26	2.97			E

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
22654	08	1328	1415	1334	S32	E33	.670	10078	11.0	47	*-N				.97				5 5 5 5
SANM	08	1320	1448		S31	E34	.672	10078	11.1	88	-N			1334	1.29	1.73			E
SANM	08	1320	1448		S31	E34	.672	10078	11.1	88	-N		C	1325	.32	.43			DJK
CANR	08	1329	1420	1332	S32	E34	.679	10078	11.1	51	-N		C		1.00	1.40			
SACP	08	1331	1342	1334	S30	E33	.656	10078	11.0	11	-N		C		1.05	1.19			
CAPE	08	1331	1430	1333	S31	E33	.663	10078	11.0	59	-N		C	1333	.92	1.20			K
CATA	08	1338E	1355D	1338	S36	E30	.678	10078	10.8	17D	-B			1338	.58	.79		214	
	08	1905	2036	NO FLARE PATROL															
GRP22659	09	0049	0104	0054	N07	E55	.828	10086	13.2	15	--F				.47				2 2 2 5
SACP	09	0049	0102	0053	N07	E54	.818	10086	13.1	13	-N		C		.42	.58			
MITK	09	0049	0105	0055	N07	E55	.828	10086	13.2	16	-F		C	0055	.52	.90			EG
5 STATIONS REPORTING GROUP 22660.					0 STATIONS OBSERVING AND NOT REPORTING.														
GRP22660	09	0124	0219	0152	S12	E22	.398	10077	10.7	55	1N				2.25				4 4 4 4
CULG	09	0123	0230	0154	S11	E20	.362	10077	10.6	67	1N		C	0154	2.06	2.20			
MANI	09	0126	0222	0149	S12	E21	.383	10077	10.6	56	1N	2		0149	2.37	2.62			
MITK	09	0148	0216	0153	S12	E22	.398	10077	10.7	28	1N		C	0153	2.68	2.90			E
SIBE	09	0149	0209	0152	S13	E23	.418	10077	10.8	20	1F		C	0152	1.90	2.20		69	CE
22660	09	0126	0222	0133	S12	E22	.398	10077	10.7	56	*-F				1.21				2 2 2 5
SACP	09	0125	0145D	0130	S12	E22	.398	10077	10.7	20D	-N		C		1.08	1.09			
MANI	09	0126	0222	0136	S12	E21	.383	10077	10.6	56	-F			0136	1.34	1.48			
GRP22663	09	0746	0802	0747	S19	E59	.863	10084	13.7	16	-N				.68				5 5 3 8
CRON	09	0745	0747D	0746	S19	E60	.871	10084	13.8	2D	-N		C		.50	1.00			
ISTA	09	0745	0810		S16	E53	.805	10084	13.3	25	-N								
MEUD	09	0746	0755	0747	S19	E60	.871	10084	13.8	9	-N		C	0747	.57	1.10			E
MANI	09	0746E	0802		S19	E62	.887	10084	14.0	16D	-N	1		0747	.98	1.87			
ONDR	09	0751E	0800		S21	E58	.857	10084	13.7	9D	-F		V	0752			1.90		DGH
GRP22664	09	1016	1044	1023	S18	W18	.390	10071	8.1	28	-N				2.11				4 4 4 5
ABST	09	1014	1050	1022	S16	W20	.397	10071	7.9	36	1N		C	1026	3.61	3.90		59	FJK
CANR	09	1016	1040	1023	S19	W17	.388	10071	8.2	24	-N		C		1.50	1.70			E
CAPE	09	1016	1040	1025	S17	W17	.367	10071	8.2	24	-N		C	1025	1.28	1.40			F
MEUD	09	1016E	1019D		S19	W18	.400	10071	8.1	3D	-N		C	1019	.52	.50			C
MEUD	09	1026E	1045		S19	W18	.400	10071	8.1	19D	1N		C	1026	2.06	2.20			F
GRP22667	09	1546	1555	1547	S13	W32	.546	10071	7.3	9	--N				.48				2 2 2 6
SACP	09	1546	1557	1547	S13	W31	.532	10071	7.3	11	-B		C		.63	.66			
SANM	09	1546	1552	1547	S12	W32	.542	10071	7.3	6	-F		C		.32	.38			D
GRP22669	10	0233	0256	(0235)	S31	E13	.505	10078	11.1	23	--N				.72				2 1 1 4
MANI	10	0233	0256		S31	E13	.505	10078	11.1	23	-N	2		0235	.72	.85			
MITK	10	0237E	0315		S31	E14	.511	10078	11.2	38D	-F		C	0258	.52	.60			EGH
GRP22671	10	0500	0525	0507	N12	E80	.987	10088	16.2	25	1F				.97				2 2 2 6
CULG	10	0459	0535	0507	N12	E79	.985	10088	16.1	36	1F		C	0507	1.03				
ABST	10	0501	0515	0507	N11	E80	.987	10088	16.2	14	1F		C	0507	.90				D
GRP22675	10	1310	1324	1313	N20	E82	.994	10088	16.7	14	-N				.43				5 4 4 8
SACP	10	1309	1330	1312	N20	E84	.997	10088	16.8	21	-N		C		.32				
MONT	10	1309	1328	1313	N21	E85	.998	10088	16.9	19	-N		C	1313	.77				
CANR	10	1309	1319	1312	N20	E80	.990	10088	16.5	10	-N		C		.30	1.00			
HTPR	10	1311	1319	1314	N18	E78	.984	10088	16.4	8	-F		C	1314	.31				
ONDR	10	1323E	1331		N14	E70	.948	10088	15.8	8D	-F		V	1324			2.00		DHJ
GRP22684	11	0756	0802	0759	N16	E46	.758	10088	14.8	6	--F				.24				4 4 2 8
ISTA	11	0755E	0800		N19	E49	.799	10088	15.0	5D	-F								
HTPR	11	0757	0803	0759	N15	E45	.744	10088	14.7	6	-F		C	0759	.21	.30			
MEUD	11	0757	0800D		N16	E45	.748	10088	14.7	3D	-F		C	0759	.26	.40			D
HURB	11	0758E	0805		N13	E45	.737	10088	14.7	7D	-N						1.60		D
GRP22685	11	0804	0813	0807	N16	E58	.870	10088	15.7	9	--F				.31				3 3 1 8
HTPR	11	0801	0814	0807	N17	E55	.847	10088	15.5	13	-F		C	0807	.31	.60			
ISTA	11	0805	0810		N14	E60	.882	10088	15.8	5	-F								
HURB	11	0806	0816		N16	E58	.870	10088	15.7	10	-N						2.20		D
GRP22686	11	0822	0840	0830	N14	E47	.762	10088	14.9	18	--F				.51				3 3 2 10
HTPR	11	0820	0840	0830	N15	E46	.755	10088	14.8	20	-F		C	0830	.52	.80			E
HURB	11	0822E	0835D		N14	E45	.741	10088	14.7	13D	-F						1.80		D
CAPS	11	0824	0839		N14	E50	.793	10088	15.1	15	-N	3	V	0827	.50	.80		176	
GRP22687	11	0857	0903	0900	N17	E55	.847	10088	15.5	6	--F				.78				2 2 2 9
MONT	11	0857	0903	0900	N17	E56	.855	10088	15.6	6	-N		C	0900	1.03				
HTPR	11	0857	0903	0900	N17	E54	.838	10088	15.4	6	-F		C	0900	.52	1.00			

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22688	11	1114	1137	1117	N15	E47	.765	10088	15.0	23	--F				.41				3 3 3 5
MCMA	11	1112	1135	1116	N17	E47	.772	10088	15.0	23	-F		C	1116	.31	.50			E
HTPR	11	1115	1121	1117	N15	E45	.744	10088	14.8	6	-F		C	1117	.31	.40			
CAPS	11	1120E	1154		N14	E48	.772	10088	15.1	34D	-N	4	P	1122	.60	.90		170	CF
GRP22692	11	1429	1438	1431	S05	E24	.407	10087	13.4	9	--F				.34				2 2 2 7
MEUD	11	1429	1438	1431	S06	E24	.408	10087	13.4	9	-F		C	1431	.26	.30			D
MCMA	11	1429	1436D	1430	S04	E23	.390	10087	13.3	7D	-F		C	1430	.41	.50			E
GRP22694	11	1633	1706	1648	N13	E54	.829	10088	15.7	33	-N				.73				5 4 4 7
HALE	11	1632	1655D	1646	N14	E53	.822	10088	15.7	23D	-F	2	P	1646	.67	1.20			
SACP	11	1633	1704	1640	N14	E54	.831	10088	15.7	31	-N		C		.84	1.16			
MCMA	11	1633E	1712		N14	E55	.840	10088	15.8	39D	-N		C	1639	.52	.90			E
CAPS	11	1635	1702	1642	N11	E55	.834	10088	15.8	27	-B	3	P	1642	.90	1.60		254	
HTPR	11	1659E	1711	1704	N16	E55	.845	10088	15.8	12D	-N		C	1704	.41	.60			
	11	1900	1905	NO FLARE PATROL															
695 MCMA	11	2056	2102D	2101	S16	E27	.493	10084	13.9	6D	--N		C	2101	.26	.30			D 2
696 SACP	11	2208E	2220U	2210U	S14	W57	.841	10071	7.6	12D	--N		C		.32	.44			3
GRP22699	12	0135	0159	0141	N15	E38	.665	10088	14.9	24	1N				1.68				3 3 3 5
MANI	12	0130	0202	0141	N14	E38	.661	10088	14.9	32	1N	2		0141	1.55	2.14			
CRON	12	0136	0153	0144	N16	E37	.659	10088	14.8	17	-N		C		1.20	1.60			
SIBE	12	0138	0203	0139	N15	E38	.665	10088	14.9	25	1F		C	0139	2.28	3.00		65	E
702 HALE	12	0400	0411	0404	N14	E45	.740	10088	15.5	11	--F	2	C	0404	.36	.50			4
8 STATIONS REPORTING GROUP 22706. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22706	12	0531	0644	0601	N15	E40	.688	10088	15.2	73	2N				6.74				5 5 4 8
TACH	12	0527	0640D		N15	E39	.677	10088	15.2	73D	3F		C	0559	9.12	12.50	1.90	63	FW
MITK	12	0528E	0659D		N16	E40	.693	10088	15.2	91D	3N		C	0609	11.03	15.20			F
MANI	12	0530E	0646D	0601	N14	E43	.718	10088	15.5	76D	2F	2		0601	4.23	6.31			
CRON	12	0533	0647	0603	N14	E40	.684	10088	15.2	74	2N								
KODA	12	0536	0630	0558	N17	E40	.698	10088	15.2	54	1N		P	0546	2.58	3.60	1.72		IKL
22706	12	0532	0644	0540	N17	E42	.720	10088	15.4	72	*1B				11.20				4 4 3 9
CAPS	12	0530E	0640	0540	N18	E42	.724	10088	15.4	70D	-B	4	P	0540	1.00	1.30		220	CW
CRON	12	0533	0647	0539	N14	E40	.684	10088	15.2	74	2N		C		5.80	8.10			EK
WEND	12	0533E	0809		N17	E40	.698	10088	15.2	156D	3B		P		26.81				
HURB	12	0542E	0553D		N18	E44	.745	10088	15.5	11D	-N						2.40		
22706	12	0655	0730	0705	N14	E37	.649	10088	15.1	35	*2N				7.82				4 3 3 10
CAPF	12	0655E	0720D		N15	E36	.642	10088	15.0	25D	2N	8	P	0704	8.25	10.80			
ZURI	12	0656E	0714D	0658	N15	E34	.618	10088	14.8	18D	3N	8	P	0658	10.51	14.10			
CANR	12	0700E	0730	0700E	N13	E40	.680	10088	15.3	30D	2F	8	C		4.70	6.60			
ABST	12	0703E	0753	0716	N15	E42	.711	10088	15.4	50D	1F	8	P	0716	1.80	2.50			E
GRP22707	12	0757	0813	0800	N20	E64	.919	10088	17.1	16	-N				1.06				10 10 8 11
HTPR	12	0755	0808	0759	N21	E66	.933	10088	17.3	13	-N	8	C	0759	.62				
ABST	12	0756	0835	0801	N20	E69	.948	10088	17.5	39	1N	8	C	0801	1.98				E
CRON	12	0756	0807	0800	N20	E67	.937	10088	17.4	11	-N	8	C		.70	1.70			
MONT	12	0756	0807	0801	N21	E66	.933	10088	17.3	11	1N	8	C	0801	2.58				
HURB	12	0756	0813		N21	E57	.872	10088	16.6	17	1F	8					2.20		
ARCE	12	0757E	0811		N19	E64	.918	10088	17.1	14D	-F	8	C	0758	.38	.90			
CANR	12	0757	0808	0758	N21	E66	.933	10088	17.3	11	-N	8	C		.60	1.40			E
ONDR	12	0758E	0808		N18	E59	.881	10088	16.8	10D	1N	8	V	0758			2.50		CHA
CAPS	12	0800	0828		N22	E62	.910	10088	17.0	28	-N	4	P	0801	.80			184	
MEUD	12	0801E	0808		N20	E68	.943	10088	17.4	7D	-N	8	C	0803	.83				E
GRP22708	12	0802	0829	0 09	S17	E18	.383	10084	13.7	27	1N				4.25				11 11 9 14
CAPS	12	0755E	0807		S17	E18	.383	10084	13.7	12D	-N	4	V	0756	.50	.50		168	C
NERA	12	0758	0821		S16	E21	.413	10084	13.9	23	1B	3							
MEUD	12	0803	0830	0808	S17	E16	.359	10084	13.5	27	1N		C	0808	1.96	2.10			E
MONT	12	0803	0841	0812	S17	E19	.396	10084	13.8	38	1N		C	0812	5.16				
HTPR	12	0803	0820	0808	S16	E15	.336	10084	13.5	17	1N		C	0808	2.27	2.40			
CANR	12	0804	0810	0806	S18	E19	.405	10084	13.8	6	1N		C		2.30	2.50			
WEND	12	0804	0842		S17	E20	.408	10084	13.8	38	2B		P		12.38				
ABST	12	0805	0830	0812	S17	E18	.383	10084	13.7	25	2N		C	0812	5.87	6.30		73	E
ARCE	12	0805	0830	0809	S16	E17	.361	10084	13.6	25	1N		C	0809	3.38	3.60			F
CRON	12	0806E	0817	0807U	S18	E18	.393	10084	13.7	11D	-N		C		1.40	1.50			
HURB	12	0806E	0839		S14	E18	.357	10084	13.7	33D	1N						2.10		
CAPS	12	0807	0838		S17	E19	.396	10084	13.8	31	1B	4	P	0807	3.50	3.80		234	I

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22711	12	0816	0841	0824	N16	E34	.624	10088	14.9	25	1F				4.14				5 4 4 13
ABST	12	0703E	1013D		N16	E35	.636	10088	14.9	190D	2F	8	P	0818	4.51	5.90			FJK
WEND	12	0814	0840		N17	E35	.642	10088	15.0	26	2N	8	P		8.25				
MEUD	12	0816	0845		N16	E33	.612	10088	14.8	29	1F	8	C	0823	1.75	2.10			T
MONT	12	0817	0838	0824	N16	E32	.601	10088	14.7	21	-N	8	C	0824	2.06				
CATA	12	0915E	1040D	0920	N24	E29	.630	10088	14.6	85D	-N	8		0920	1.16	1.49		182	
GRP22714	12	0900	0920	0910	N21	E66	.933	10088	17.3	20	-N				.74				4 3 2 13
ONDR	12	0850E	0904		N20	E60	.892	10088	16.9	14D	1F	8	V	0852			1.60		CGH
MEUD	12	0900	0915	0905	N21	E68	.944	10088	17.5	15	-N	8	C	0905	.72				
CAPS	12	0908E	0915		N22	E62	.910	10088	17.0	7D	-N	4	V						
CATA	12	0915E	0930	0915	N20	E68	.943	10088	17.5	15D	-N	8		0915	.75			174	
GRP22717	12	1121	1141	1130	N16	E34	.624	10088	15.0	20	--N				.58				3 3 3 9
HTPR	12	1121	1140	1130	N16	E35	.636	10088	15.1	19	-F		C	1130	.62	.70			E
MCMA	12	1128E	1140		N17	E33	.619	10088	15.0	12D	-N		C	1130	.62	.80			E
CAPS	12	1130E	1142		N15	E33	.606	10088	15.0	12D	-N	4	V	1134	.50	.70		182	
GRP22721	12	1502	1544	1523	N15	E31	.582	10088	15.0	42	-N				1.32				3 2 2 14
HTPR	12	1502	1538	1521	N15	E30	.570	10088	14.9	36	-F		C	1521	1.55	1.80			
SANM	12	1503	1540	1508	N15	E29	.558	10088	14.8	37	-N		C		.65	.79			E
CATA	12	1520E	1550D	1525	N14	E32	.588	10088	15.0	30D	-B			1525	1.09	1.35		224	
GRP22722	12	1625	1647	1630	N05	E65	.909	10092	17.6	22	-N				1.02				12 12 12 12
MEUD	12	1620	1629D		N05	E64	.902	10092	17.5	9D	-N		C	1622	.72				
HTPR	12	1624	1647	1630	N04	E63	.894	10092	17.4	23	-N		C	1630	1.03				
SANM	12	1624	1647	1626	N06	E63	.895	10092	17.4	23	-N		C		.48	1.15			
MONT	12	1625	1648	1630	N04	E66	.916	10092	17.6	23	-N		C	1630	1.13				
HOUT	12	1625	1637	1627	N06	E65	.910	10092	17.6	12	-N		C		.60	1.30			H
MCMA	12	1625E	1645D		N06	E65	.910	10092	17.6	20D	-N		C	1629	.36	.80			E
SACP	12	1625	1655	1635	N07	E66	.918	10092	17.6	30	1N		C		1.89	3.25			
ZURI	12	1625	1633	1630	N04	E67	.923	10092	17.7	8	-N		C	1630	.63	1.40			
BOUL	12	1626	1637	1628	N04	E65	.909	10092	17.6	11	-N		C		.60	1.30			
CAPS	12	1626	1654		N06	E61	.879	10092	17.3	28	-N	3	P	1628	.80	1.60		170	
WEND	12	1628E	1658		N06	E65	.910	10092	17.6	30D	1B		V		3.09				
HALE	12	1630E	1701	1631	N05	E65	.909	10092	17.6	31D	1N	2	P	1631	.93				
GRP22723	12	1658	1816	1712	N18	E47	.775	10088	16.2	78	-N				2.04				4 4 4 9
SACP	12	1655	1816	1710	N18	E46	.765	10088	16.2	81	-N		C		1.05	1.32			
HALE	12	1659	1755D	1713	N18	E47	.775	10088	16.2	56D	-N	2	P	1713	1.24	1.90			FK
WEND	12	1701	1804D		N18	E46	.765	10088	16.2	63D	1N		V		5.16				
MEUD	12	1707E	1713D		N18	E48	.785	10088	16.3	6D	-F		C	1708	.72	1.10			
GRP22724	12	1659	1755	1734	N14	E43	.718	10088	15.9	56	1N				1.89				7 7 7 8
HTPR	12	1658	1751D	1735	N15	E50	.795	10088	16.5	53D	1N		C	1735	2.58	3.70			EFI
SANM	12	1659	1825		N15	E40	.688	10088	15.7	86	1B			1733	2.59	3.65			
SANM	12	1659	1825	1725	N15	E40	.688	10088	15.7	86	-B		C		.97	1.37			CFIKL
MCMA	12	1700E	1750D		N18	E48	.785	10088	16.3	50D	-N		P	1726	.83	1.40			E
HOUT	12	1729	1744	1731	N15	E43	.722	10088	16.0	15	-N		C		1.30	2.00			
BOUL	12	1730	1744	1733	N13	E42	.703	10088	15.9	14	1N		C		1.60	2.20			
HALE	12	1733	1755D	1736	N12	E40	.676	10088	15.7	22D	-N	2	P	1736	1.24	1.70			F
WEND	12	1733	1753		N12	E41	.687	10088	15.8	20	1F		V		3.09				
GRP22725	12	2228	0000	2309	S16	E10	.280	10084	13.7	92	1N				2.91				3 3 3 3
SACP	12	2220	2349	2306	S16	E09	.271	10084	13.6	89	1N		C		2.84	2.79			
HALE	12	2225	0021	2312	S16	E09	.271	10084	13.6	116	1N	2	C	2312	3.30	3.40			
CULG	12	2238	2350	2310	S17	E12	.314	10084	13.8	72	1N		P	2310	2.58	2.70			
GRP22726	12	2340	2357	2344	S19	W65	.909	10071	8.1	17	--N				.33				3 3 3 4
SACP	12	2338	2355D	2340	S20	W65	.910	10071	8.1	17D	-N		C		.31	.52			
HALE	12	2338	2357	2343	S19	W64	.902	10071	8.2	19	-N	2	C	2343	.41				
MANI	12	2345	2351D	2349	S18	W65	.909	10071	8.1	6D	-F	1		2349	.26	.51			
	13	0200	0205	NO FLARE PATROL															
727 HALE	13	0309	0422	0312	S06	E02	.064	10087	13.3	73	--F	2	C	0312	1.03	1.00			F 3
GRP22731	13	0729	0754	0734	N07	W05	.192	10086	12.9	25	--N				.96				8 8 8 13
WEND	13	0724	0748		N07	W03	.180	10086	13.1	24	1N		V		3.09				
HTPR	13	0728	0749	0734	N07	W05	.192	10086	12.9	21	-F		C	0734	.72	.70			
MEUD	13	0728	0730D		N07	W06	.201	10086	12.9	2D	-F		C	0730	.31	.30			
CAPS	13	0729	0751		N06	W06	.186	10086	12.9	22	-N	4	P	0732	.40	.40		182	
ARCE	13	0729E	0739D		N08	W05	.208	10086	12.9	10D	-F		C	0733	.41	.50			
ZURI	13	0729	0808	0734	N07	W07	.210	10086	12.8	39	-N		C	0734	.73	.70			
CATA	13	0730E	0740D	0730	N07	W05	.192	10086	12.9	10D	-N			0730	.17	.18		170	
BUCA	13	0732	0800	0736	N06	W05	.177	10086	12.9	28	-N		C	0736	1.55	1.50			
MEUD	13	0737E	0745		N08	W06	.215	10086	12.9	8D	-F		C	0738	.62	.60			
CATA	13	0745E	0810D	0755	N08	W07	.224	10086	12.8	25D	-N			0755	.40	.42		151	

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22733	13	0852	0900	0853	N21	E66	.933	10088	18.3	8	-N				1.04				4 4 4 11
MONT	13	0851	0858	0853	N21	E69	.949	10088	18.5	7	1F		C	0853	2.37				
MEUD	13	0851	0900	0852	N20	E65	.925	10088	18.2	9	-N		C	0852	.41				
HTPR	13	0852	0900	0853	N21	E66	.933	10088	18.3	8	-F		C	0853	.52				
ARCE	13	0852	0900	0854	N20	E63	.913	10088	18.1	8	-B		C	0854	.86	2.00			HE
GRP22737	13	1401	1411	1406	N20	E62	.906	10088	18.2	10	--F				1.16				5 5 4 10
ONDR	13	1400	1413		N20	E57	.870	10088	17.9	13	1F		V	1408			1.50		CGH
SACP	13	1400	1413	1405	N22	E62	.909	10088	18.2	13	-F		C		.94	1.56			
CAPS	13	1402	1409		N18	E62	.903	10088	18.2	7	-N	3	V	1405	.50			182	
MONT	13	1402	1410	1405	N21	E65	.927	10088	18.5	8	1F		C	1405	2.37				H
HTPR	13	1403	1410	1407	N21	E62	.908	10088	18.2	7	-F		C	1407	.83				
GRP22741	13	1717	1744	1722	N11	W02	.243	10098	13.6	27	--F				.36				2 2 2 5
HALE	13	1716	1801	1723	N11	W01	.241	10098	13.6	45	-F	2	C	1723	.41	.40			L
HTPR	13	1718	1726	1721	N10	W02	.226	10098	13.6	8	-F		C	1721	.31	.30			
GRP22742	13	1949	2110	2020	N20	E18	.484	10088	15.2	81	--F				1.24				3 3 3 3
SACP	13	1948	2031	2017	N19	E19	.482	10088	15.3	43	-N		C		1.37	1.41			
HALE	13	1949	2017	1959	N20	E14	.450	10088	14.9	28	-F	2	C	1959	.41	.50			
SANM	13	2007E	2040D	2021	N20	E22	.522	10088	15.5	33D	-F		P		.48	.58			EL
HALE	13	2017	2129	2022	N19	E19	.482	10088	15.3	72	1F	2	C	2022	1.86	2.10			F
SACP	13	2023	2051	2040	N26	E13	.523	10088	14.8	28	-F		C		.42	.44			
GRP22743	13	2023	2035	2024	N21	E30	.614	10088	16.1	12	--F				1.04				2 2 2 3
SACP	13	2021	2034	2022	N21	E29	.604	10088	16.0	13	-N		C		1.05	1.14			
HALE	13	2024	2035	2025	N20	E30	.606	10088	16.1	11	-F	2	C	2025	1.03	1.30			K
GRP22744	13	2213	2250	2220	S13	W45	.715	10077	10.6	37	-N				1.14				3 3 3 4
SACP	13	2204	2219D	2218	S13	W45	.715	10077	10.5	15D	-N		C		.73	.88			
HALE	13	2217	2302	2222	S12	W45	.713	10077	10.6	45	-F	2	C	2222	.93	1.30			F
VORO	13	2217	2238	2219	S14	W44	.705	10077	10.6	21	1B		C	2222	1.75	2.60		81	EJ
GRP22746	14	0036	0058	0041	N10	W04	.232	10098	13.7	22	--F				.42				2 2 2 4
HALE	14	0036	0108	0042	N11	W04	.248	10098	13.7	32	-F	1	C	0042	.57	.60			
MANI	14	0036	0047	0040	N09	W04	.216	10098	13.7	11	-F	2		0040	.26	.27			
748 HALE	14	0151	0210	0157	N07	E46	.731	10092	17.5	19	--F	2	C	0157	.36	.50			3
GRP22750	14	0257	0339	0303	N12	E16	.370	10088	15.3	42	1F				3.99				3 3 3 4
MITK	14	0255	0321	0304	N09	E13	.301	10088	15.1	26	1F		C	0304	4.13	4.30			F
HALE	14	0259	0355	0302	N11	E13	.324	10088	15.1	56	1N	2	C	0302	3.20	3.40			F
MANI	14	0300	0330D		N09	E14	.314	10088	15.2	30D	1F	1		0310	4.64	4.86			
MANI	14	0300E	0310D		N17	E26	.536	10088	16.1	10D	-F	1		0302	.41	.45			
MANI	14	0326	0340	0329	N17	E26	.536	10088	16.1	14	-F	1		0329	.62	.68			
GRP22751	14	0353	0416	0400	N18	E24	.522	10088	16.0	23	--B				.76				4 3 3 5
MANI	14	0350	0420	0359	N16	E26	.528	10088	16.1	30	-B	2		0359	1.13	1.25			
MITK	14	0352	0412	0400	N18	E24	.522	10088	16.0	20	-B		C	0400	.62	.70			D
HALE	14	0357	0415	0401	N20	E23	.531	10088	15.9	18	-N	2	C	0401	.52	.60			
KODA	14	0357E	0404	0359	N24	E34	.676	10088	16.7	7D	-N		V	0403	.64	.80	2.00		D
GRP22753	14	0557	0615	0603	N18	E25	.533	10088	16.1	18	--F				.59				6 6 4 12
MANI	14	0555	0620		N17	E26	.536	10088	16.2	25	-F	2		0605	.72	.88			
ONDR	14	0555	0615	0603	N19	E23	.521	10088	16.0	20	-N		V	0603			2.00		CEJ
MITK	14	0558E	0614		N18	E23	.511	10088	16.0	16D	-F		C	0600	.62	.70			E
CAPS	14	0558	0612		N20	E20	.501	10088	15.7	14	-N	1	V	0558	.50	.50			
HURB	14	0559E	0610		N18	E28	.567	10088	16.3	11D	-F						2.00		
HTPR	14	0601E	0618		N18	E22	.501	10088	15.9	17D	-N		C	0608	.52	.60			
ONDR	14	0619	0632		N20	E36	.670	10088	17.0	13	-F		V	0621			1.60		CDH
GRP22757	14	0707	0727	0710	N18	E23	.511	10088	16.0	20	--N				.75				3 3 2 13
CATA	14	0705E	0740D	0710	N18	E21	.490	10088	15.9	35D	-B			0710	.87	1.00		282	
HTPR	14	0706	0721	0710	N18	E22	.501	10088	15.9	15	-N		C	0710	.62	.70			
HURB	14	0709	0721		N17	E27	.548	10088	16.3	12	-N						1.80		
GRP22759	14	0855	0904	0856	S05	W15	.261	10087	13.2	9	-N				.95				5 5 5 11
CANR	14	0853	0859	0855	S05	W15	.261	10087	13.2	6	-N		C		1.00	1.00			
CATA	14	0855	0910	0855	S05	W14	.244	10087	13.3	15	-B			0855	1.27	1.32		209	
HTPR	14	0855	0902	0857	S05	W16	.278	10087	13.2	7	-F		C	0857	.72	.70			E
CAPS	14	0855	0902		S07	W14	.251	10087	13.3	7	-B	4	P	0855	1.30	1.30		216	
ARCE	14	0855E	0905		S04	W16	.276	10087	13.2	10D	-F		C	0858	.44	.50			
GRP22760	14	1005	1021	1009	S17	W12	.317	10084	13.5	16	--N				.43				3 3 3 12
HTPR	14	1005	1017	1008	S17	W13	.327	10084	13.4	12	-F		C	1008	.31	.30			
CAPS	14	1005E	1020		S18	W11	.320	10084	13.6	15D	-N	3	P	1006	.70	.70		176	CE
CATA	14	1005	1025	1010	S17	W11	.306	10084	13.6	20	-B			1010	.29	.30		288	D

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22761	14	1035	1045	1038	N18	W14	.422	10095	13.4	10	-N				1.55				9 9 7 10
WEND	14	1034E	1047		N18	W12	.406	10095	13.5	13D	1N		V		3.09				
CATA	14	1035	1055	1040	N18	W12	.406	10095	13.5	20	-B			1040	.93	1.02		339	
ONDR	14	1035E	1045		N19	W16	.452	10095	13.2	10D	1N		V	1040			2.20		CHJ
ZURI	14	1035	1041	1039	N18	W15	.431	10095	13.3	6	1N		C	1039	2.31	2.50			
CANR	14	1036E	1042	1038U	N17	W13	.400	10095	13.5	6D	-N		C		1.00	1.10			L
MONT	14	1036	1041	1037	N18	W13	.414	10095	13.5	5	-N		C	1037	.77				
CAPS	14	1036	1044		N18	W15	.431	10095	13.3	8	-N	4	P	1039	1.80	2.00		176	
CAPE	14	1036	1043	1038	N18	W14	.422	10095	13.4	7	-N		C	1038	.92	1.00			
HURB	14	1039E	1049		N16	W12	.378	10095	13.5	10D	-B						2.50		
GRP22762	14	1112	1127	1118	N18	E20	.480	10088	16.0	15	--N				.41				3 3 3 10
ZURI	14	1110	1120	1117	N18	E20	.480	10088	16.0	10	-N		C	1117	.53	.60			
MCMA	14	1112	1127	1116	N18	E20	.480	10088	16.0	15	-N		C	1116	.41	.50			E
CATA	14	1115	1135	1120	N18	E20	.480	10088	16.0	20	-B			1120	.29	.33		257	
5 STATIONS REPORTING GROUP 22767. 3 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22767	14	1227	2014	(1659)	N18	W15	.431	10095	13.4	467	--N				.70				4 3 3 8
SANM	14	1227E	2017D		N19	W15	.443	10095	13.4	470D	-F	8		1659	.97	1.09			
SANM	14	1227E	2017D		N19	W15	.443	10095	13.4	470D	-F	8	P	1228	.80	.90			EKT
HURB	14	1543E	1549		N15	W13	.374	10095	13.7	6D	-F	8					1.70		
CAPS	14	1655E	1700D		N18	W15	.431	10095	13.6	5D	-N	3	V	1656	.50	.60		166	
MCMA	14	1657E	1720D		N17	W14	.409	10095	13.7	23D	-B	8	C	1703	.62	.70			E
22767	14	1313	1330	1321	N19	W13	.427	10095	13.6	17	*-F				.47				3 3 2 11
SACP	14	1308	1337	1320	N20	W13	.440	10095	13.6	29	-N	8	C		.63	.64			
MCMA	14	1318	1327	1321	N20	W13	.440	10095	13.6	9	-F	8	C	1321	.31	.40			E
HURB	14	1319E	1325		N18	W12	.406	10095	13.7	6D	-F	8					1.80		
GRP22768	14	1350	1421	1356	S17	W13	.327	10084	13.6	31	--N				1.01				7 7 7 12
SACP	14	1346	1432	1355	S17	W13	.327	10084	13.6	46	-N		C		.94	.93			
MCMA	14	1348	1427	1354	S17	W14	.338	10084	13.5	39	-N		C	1354	.62	.70			E
CATA	14	1350E	1425D	1400	S17	W13	.327	10084	13.6	35D	-B			1400	.69	.73		263	
SANM	14	1351	1423	1354	S16	W14	.327	10084	13.5	32	-B		C		.32	.34			E
HTPR	14	1352	1408	1356	S17	W15	.350	10084	13.5	16	-F		C	1356	.41	.40			E
CAPS	14	1352	1418D		S17	W09	.288	10084	13.9	26D	-N	3	P	1354	1.00	1.10		191	
WEND	14	1352	1413		S16	W13	.315	10084	13.6	21	1N		V		3.09				
GRP22771	14	1450	1502	1455	N21	E39	.707	10088	17.5	12	--F				.38				3 3 3 11
SANM	14	1450	1502	1455	N22	E37	.693	10088	17.4	12	-F		C		.48	.67			D
SACP	14	1450	1505	1455	N22	E39	.713	10088	17.5	15	-N		C		.31	.37			
MCMA	14	1451	1500	1455	N20	E40	.712	10088	17.6	9	-F		C	1455	.36	.50			E
GRP22776	14	1753	1819	1759	N18	E18	.459	10088	16.1	26	--N				.81				5 5 5 6
SACP	14	1750	1826	1755	N19	E18	.471	10088	16.1	36	-N		C		.63	.64			
SANM	14	1752	1907	1759	N18	E17	.449	10088	16.0	75	-B		C		.97	1.09			E
MCMA	14	1753	1813D		N18	E18	.459	10088	16.1	20D	-B		C	1802	.72	.80			E
HALE	14	1755	1829	1803	N20	E17	.473	10088	16.0	34	-N	3	C	1803	.72	.80			
CANR	14	1756	1808	1800	N17	E18	.448	10088	16.1	12	-F		C		1.00	1.10			
GRP22777	14	1915	2008	1944	N19	W17	.461	10095	13.5	53	-F				2.12				3 3 3 5
SANM	14	1227E	2017D		N19	W15	.443	10095	13.4	470D	-F	8		1944	1.62	1.81			
MCMA	14	1912	2010		N20	W17	.473	10095	13.5	58	-N		C	1930	.72	.90			EHK
SACP	14	1915	1958	1944	N18	W18	.459	10095	13.5	43	1N	8	C		2.61	2.67			
GRP22780	14	2058	2133	2106	S11	W02	.147	10089	14.7	35	-N				1.40				4 4 4 4
SACP	14	2054	2135	2107	S10	W01	.127	10089	14.8	41	-N		C		1.67	1.65			
HALE	14	2058	2135	2106	S09	W02	.113	10089	14.7	37	-N	3	C	2106	1.29	1.30			F
HOUT	14	2102	2120	2104	S12	W01	.161	10089	14.8	18	-N		C		1.60	1.60			E
MCMA	14	2107E	2140		S12	W03	.168	10089	14.7	33D	-B		C	2107	1.03	1.10			E
GRP22785	15	0714	0753	0747	N19	W21	.499	10095	13.7	39	--N				.60				6 6 4 12
ISTA	15	0714	0754		N19	W21	.499	10095	13.7	40	-N								
ISTA	15	0736	0739		N28	W17	.570	10095	14.0	3	-F								
CAPS	15	0743E	0750D		N19	W19	.479	10095	13.9	7D	-N	4	V	0745	.90	1.00		176	C
HURB	15	0743E	0754D		N16	W25	.515	10095	13.4	11D	-N						1.80		
CATA	15	0745E	0750D	0745	N19	W21	.499	10095	13.7	5D	-N			0745	.14	.17		195	
ZURI	15	0746E	0752	0748	N20	W23	.530	10095	13.6	6D	-N		P	0748	.73	.80			
MANI	15	0747E	0752D		N19	W20	.489	10095	13.8	5D	-F	2		0749	.62	.72			
GRP22786	15	0718	0747	0720	N16	E03	.324	10088	15.5	29	--F				.58				4 4 2 10
ISTA	15	0715	0745		N17	E10	.375	10088	16.1	30	-F								
MANI	15	0718	0727D		N17	E00	.337	10088	15.3	9D	-F	2		0724	.52	.55			
HURB	15	0719E	0747D		N14	E03	.292	10088	15.5	28D	1F						2.00		
CATA	15	0720	0740D	0720	N16	W01	.321	10088	15.2	20D	-N			0720	.63	.68		190	

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22791	15	1221	1245	1224	N19	W24	.531	10095	13.7	24	--B				.47				6 6 5 11
SANM	15	1202E	1238	1223	N19	W25	.541	10095	13.6	36D	-B		P		.17	.20			BE
MCMA	15	1214	1245		N20	W24	.540	10095	13.7	31	-N		C	1218	.52	.60			EHY
CATA	15	1220	1300	1225	N19	W24	.531	10095	13.7	40	-B			1225	.34	.41		324	
CAPF	15	1224E	1240D		N18	W22	.499	10095	13.9	16D	-N		P	1228	.79	.92			H
ZURI	15	1224	1246	1224	N19	W24	.531	10095	13.7	22	-N		C	1224	.53	.60			
ONDR	15	1226E	1240		N18	W28	.566	10095	13.4	14D	-B		V	1230			2.90		CDJR
CATA	15	1240	1305	1245	N18	W23	.510	10095	13.8	25	-B			1245	.58	.68		209	
GRP22792	15	1241	1253	1244	N12	W24	.470	10098	13.7	12	--F				.46				4 3 3 12
CAPS	15	1233	1254		N10	W21	.414	10098	13.9	21	-N	4	P	1233	.80			191	
SANM	15	1237	1253	1245	N11	W25	.475	10098	13.7	16	-F		C		.32	.36			E
MCMA	15	1241	1253	1243	N12	W23	.457	10098	13.8	12	-N		C	1243	.52	.60			E
ZURI	15	1244	1252	1244	N12	W23	.457	10098	13.8	8	-F		C	1244	.55	.60			
GRP22793	15	1352	1411	1353	N19	W25	.541	10095	13.7	19	--N				.68				5 5 5 8
MCMA	15	1351	1410	1352	N20	W24	.540	10095	13.8	19	-N		C	1352	.52	.60			EHK
ZURI	15	1351	1404D	1352	N19	W24	.531	10095	13.8	13D	-N		C	1352	.53	.60			
CAPS	15	1352	1415D		N19	W22	.510	10095	13.9	23D	-B	4	P	1355	.70	.80		220	H
SACP	15	1352	1407	1354	N19	W25	.541	10095	13.7	15	-N		C		.63	.66			
MEUD	15	1355E	1355D		N18	W28	.566	10095	13.5		-F		C	1355	1.03	1.20			
7 STATIONS REPORTING GROUP 22795. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22795	15	1405	1443	1412	N12	E00	.254	10088	15.6	38	-N				1.88				5 5 5 7
MCMA	15	1403	1500	1415	N12	E00	.254	10088	15.6	57	-B		C	1415	1.55	1.60			E
SACP	15	1404	1446	1410	N13	E00	.270	10088	15.6	42	-N		C		1.99	1.96			
MEUD	15	1405	1435	1415	N12	E00	.254	10088	15.6	30	1N		C	1415	2.06	2.10			
CAPS	15	1406	1443		N11	E00	.237	10088	15.6	37	-B	4	P	1411	1.80	1.90		204	FI
CANR	15	1408E	1430	1408U	N12	E01	.254	10088	15.7	22D	1N		C		2.00	2.10			
22795	15	1408	1445	1425	N13	E03	.275	10088	15.8	37	*1N				2.02				2 2 1 7
HURB	15	1406E	1440		N13	E04	.279	10088	15.9	34D	2F						2.10		
CATA	15	1410	1450D	1425	N12	E02	.256	10088	15.7	40D	1B			1425	2.02	2.11		269	
GRP22797	15	1420	1440	1423	S11	W09	.211	10089	14.9	20	--N				.53				6 6 5 7
SACP	15	1418	1440	1421	S11	W08	.199	10089	15.0	22	-N	8	C		.31	.31			
MCMA	15	1419	1440	1422	S12	W09	.223	10089	14.9	21	-N	8	C	1422	.62	.70			E
MEUD	15	1419	1435		S10	W10	.214	10089	14.8	16	-N	8	C	1425	.41	.40			D
CAPS	15	1420	1435		S10	W10	.214	10089	14.8	15	-N	4	P	1426	1.00	1.00		170	
CATA	15	1425	1450D	1425	S11	W08	.199	10089	15.0	25D	-B	8		1425	.29	.30		204	Z
HURB	15	1429E	1437D		S12	W09	.223	10089	14.9	8D	-F	8					1.80		
GRP22798	15	1449	1459	1453	N11	W26	.489	10098	13.7	10	--F				.68				3 3 2 7
MCMA	15	1449	1501	1453	N11	W25	.475	10098	13.7	12	-N		C	1453	.83	.90			E
MEUD	15	1450E	1452		N10	W27	.496	10098	13.6	2D	-F		C	1451	.52	.60			D
ONDR	15	1454E	1505		N12	W26	.496	10098	13.7	11D	1F		V	1455			1.40		CHJ
GRP22805	15	1653	1703	1655	N11	W25	.475	10098	13.8	10	--N				.46				5 5 4 6
CAPS	15	1652	1705		N11	W23	.449	10098	14.0	13	-B	3	V	1655	.30	.30			
MCMA	15	1652	1703	1654	N11	W25	.475	10098	13.8	11	-N		C	1654	.52	.60			E
SACP	15	1653	1702	1655	N11	W25	.475	10098	13.8	9	-N		C		.41	.43			
ONDR	15	1653E	1705		N11	W26	.489	10098	13.8	12D	1F		V	1654			2.00		CJ
HALE	15	1655	1702D	1656	N12	W25	.483	10098	13.8	7D	-N	2	P	1656	.62	.70			
806 MCMA	15	1734	1742	1735	N28	W24	.621	10095	13.9	8	--F		C	1735	.31	.40			E 1
807 MCMA	15	1735	1745	1737	N20	W28	.583	10095	13.6	10	-N		C	1736	1.03	1.30			V 1
GRP22808	15	1811	1829	1819	N07	E89	1.000	10100	22.4	18	-N				.32				3 3 2 3
SACP	15	1807	1829	1818	N07	E87	.999	10100	22.3	22	-N		C		.42				
HALE	15	1812E	1833	1822	N07	E90	1.000	10100	22.5	21D	-B	2	P	1822	.21				
MCMA	15	1813	1826	1818	N06	E90	1.000	10100	22.5	13	-N		C	1818					
GRP22809	15	1923	1932	1926	N20	W29	.593	10095	13.6	9	--N				.59				3 3 3 3
MCMA	15	1922	1927D	1925	N20	W28	.583	10095	13.7	5D	-N		C	1925	.41	.50			D
SACP	15	1924	1930	1925	N19	W30	.596	10095	13.6	6	-N		C		.73	.80			
HALE	15	1924	1934	1928	N20	W29	.593	10095	13.6	10	-N	2	C	1928	.62	.80			
GRP22811	15	2025	2049	2033	N18	W13	.412	10088	14.9	24	--N				.73				2 2 2 2
MCMA	15	2021	2057	2034	N17	W14	.408	10088	14.8	36	-N		C	2034	.41	.50			EL
SACP	15	2028	2041	2032	N18	W12	.404	10088	15.0	13	-N		C		1.05	1.06			
812 SACP	15	2103	2106	2104	N19	W31	.608	10095	13.6	3	--F		C		.31	.34			1
GRP22813	15	2209	2357	2239	S11	W14	.279	10089	14.9	108	1B				4.13				2 1 1 2
CULG	15	2209	2357	2239	S11	W14	.279	10089	14.9	108	1B		C	2239	4.13	4.20			EV
MANI	15	2245E	2320D		S10	W16	.301	10089	14.7	35D	1N	1		2256	4.64	4.86			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22814	16	0036	0048	0039	N11	W49	.773	10086	12.4	12	--F				.37				2 2 2 4
MANI	16	0034	0050	0038	N12	W47	.754	10086	12.5	16	-F	1		0038	.41	.53			
SACP	16	0037	0045	0039	N10	W51	.791	10086	12.2	8	-F		C		.32	.41			
GRP22817	16	0601	0625	0607	N18	W17	.447	10088	15.0	24	-F				1.90				4 4 2 8
ABST	16	0600	0626	0608	N19	W16	.449	10088	15.0	26	1F		C	0608	2.25	2.50		58	F
ISTA	16	0601	0632		N17	W18	.445	10088	14.9	31	-N								
MANI	16	0603	0720	0605	N18	W15	.428	10088	15.1	77	-F	1		0605	1.55	1.70			
HURB	16	0604E	0618		N17	W17	.435	10088	15.0	14D	1F						1.90		
817 CAPS	16	0602	0626D		N15	W28	.542	10098	14.2	24D	*-B	4	P	0603	1.50	1.70		265	9
GRP22818	16	0710	0732	(0713)	S16	W36	.614	10084	13.6	22	-N				1.61				3 3 2 11
CAPS	16	0710	0724		S17	W35	.606	10084	13.7	14	-N	4	P	0710	1.00			191	
BUCA	16	0710E	0745D		S16	W37	.627	10084	13.5	35D	1F		C	0715	2.21	2.80			
ISTA	16	0710	0728		S15	W37	.623	10084	13.5	18	-N								
GRP22819	16	0724	0735	0725	N09	W48	.757	10086	12.7	11	-N				.78				8 8 7 11
ISTA	16	0703	0737	0726	N08	W46	.732	10086	12.8	34	-N	8							
MANI	16	0722	0735	0725	N10	W48	.759	10086	12.7	13	-F	1		0725	1.03	1.59			
CAPE	16	0722	0730	0725	N10	W48	.759	10086	12.7	8	-N	8	C	0725	.83	1.30			
CRON	16	0723	0729	0725	N09	W48	.757	10086	12.7	6	-N	8	C		1.00	1.50			
ABST	16	0723	0735	0725	N10	W49	.770	10086	12.6	12	-F	8	C	0725	.90	1.40		59	E
CAPF	16	0725E	0735D		N07	W49	.764	10086	12.6	10D	-N	8	P	0731	.62	.96			
CAPS	16	0725	0744D		N07	W50	.775	10086	12.6	19D	-N	4	V	0726	.80	1.20		182	
ARCE	16	0725	0732	0726	N07	W48	.753	10086	12.7	7	-F	8	C	0726	.29	.50			
GRP22821	16	0800	0821	0805	N10	W17	.360	10088	15.1	21	--F				.67				3 2 2 13
CATA	16	0800	0810D	0800	N16	W05	.329	10088	16.0	10D	-N			0800	.17	.18		186	
MANI	16	0802	0830	0809	N12	W17	.380	10088	15.1	28	-F	2		0809	.83	.90			
CAPS	16	0807E	0812		N08	W17	.342	10088	15.1	5D	-N	4	V	0808	.50	.50		171	
GRP22825	16	1020	1040	1025	S07	W42	.670	10087	13.3	20	-N				.76				3 3 2 7
CATA	16	1020	1040	1025	S05	W42	.669	10087	13.3	20	-B			1025	.52	.71		257	
CAPS	16	1020E	1030D		S08	W40	.645	10087	13.4	10D	-N	4	V	1025	1.00	1.40		180	
KHAR	16	1020E	1032D		S07	W43	.683	10087	13.2	12D	-N		V						
GRP22835	16	1634	1659	1639	S05	W47	.731	10087	13.2	25	-N				1.22				4 4 4 6
HALE	16	1633	1651	1638	S04	W47	.731	10087	13.2	18	-N	1	C	1638	.72	1.10			EH
CANR	16	1633	1706	1639	S05	W47	.731	10087	13.2	33	1N		C		1.70	2.60			L
SACP	16	1635	1700	1639	S05	W47	.731	10087	13.2	25	-F		C		1.68	2.03			
MCMA	16	1638E	1700	1639	S04	W48	.742	10087	13.1	22D	-B		C	1639	.77	1.20			CEL
GRP22837	16	1647	1658	1652	N18	E12	.402	10088	17.6	11	--F				.21				2 2 2 5
MCMA	16	1647E	1655		N18	E12	.402	10088	17.6	8D	-N		C	1651	.21	.30			CD
SACP	16	1647	1700	1652	N18	E11	.395	10088	17.5	13	-F		C		.21	.21			
GRP22838	16	1749	1814	1752	S16	W42	.688	10084	13.6	25	--N				.57				3 3 3 4
HALE	16	1748	1816	1750	S16	W42	.688	10084	13.6	28	-N	2	C	1750	.57	.80			
MCMA	16	1749	1815	1751	S16	W42	.688	10084	13.6	26	-N		C	1751	.41	.60			E
SACP	16	1750	1811	1755	S17	W42	.691	10084	13.6	21	-F		C		.73	.85			
840 SACP	16	2112	2124	2115	N21	W45	.766	10095	13.5	12	--N		C		.21	.26			3
GRP22841	16	2144	2218	2151	N15	W29	.554	10088	14.7	34	--F				.40				3 3 3 4
MCMA	16	2143	2201D		N15	W31	.579	10088	14.6	18D	-N		C	2147	.26	.30			E
SACP	16	2144	2205U	2146U	N14	W28	.535	10088	14.8	21D	-F		C		.53	.56			
MANI	16	2146	2218	2155	N15	W28	.542	10088	14.8	32	-F	2		2155	.41	.50			
GRP22844	16	2247	2322	2254	N18	W13	.410	10088	16.0	35	--F				.89				2 2 2 4
MANI	16	2247	2322	2251	N18	W12	.402	10088	16.0	35	-F	2		2251	.93	1.02			
SACP	16	2253U	2313U	2256U	N18	W14	.419	10088	15.9	20D	-N		C		.84	.84			
	16	2359	0001	NO FLARE PATROL															
GRP22846	17	0012	0024	0014	N28	W39	.746	10095	14.1	12	--F				.36				2 2 2 3
HALE	17	0011	0025	0013	N28	W40	.755	10095	14.0	14	-F	1	C	0013	.46	.70			
MANI	17	0012	0022	0014	N28	W38	.738	10095	14.2	10	-F	2		0014	.26	.40			
GRP22847	17	0048	0138	0057	N14	W27	.521	10088	15.0	50	--F				1.04				2 2 2 4
MANI	17	0043	0125	0057	N13	W27	.514	10088	15.0	42	-F	2		0057	.62	.72			
SACP	17	0052	0146D	0056	N15	W25	.504	10088	15.2	54D	-N		C		1.46	1.52			
MANI	17	0100	0130	0110	N12	W30	.547	10088	14.8	30	-F	2		0110	.67	.80			
GRP22848	17	0058	0116	0105	S06	W53	.798	10087	13.1	18	--F				.88				2 2 2 4
SACP	17	0058	0112	0104	S06	W52	.788	10087	13.1	14	-F		C		.73	.94			
MANI	17	0103E	0120	0105	S05	W54	.808	10087	13.0	17D	-F	2		0105	1.03	1.66			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP22849	17	0120	0141	0127	N29	W42	.778	10095	13.9	21	--N				.69				2 2 2 4
MANI	17	0120	0141	0126	N28	W41	.764	10095	14.0	21	-N	2		0126	.41	.64			
SACP	17	0120	0140	0128	N29	W42	.778	10095	13.9	20	-N		C		.96	1.22			
851 MANI	17	0223	0242D	0228	S15	W86	.997	10077	10.6	19D	--F	2		0228	.21	.56			1
	17	0242	0300	NO FLARE PATROL															
852 MANI	17	0300E	0308D	0302	N14	W30	.559	10088	14.9	8D	-N	2		0302	1.13	1.38			1
	17	0307	0342	NO FLARE PATROL															
854 MANI	17	0449	0455D		N13	W49	.777	10098	13.5	6D	1F	2		0451	1.34	2.05			3
GRP22855	17	0514	0527	0518	N11	W70	.945	10085	12.0	13	-N				.86				2 2 2 4
CAPS	17	0514E	0527D		N10	W69	.939	10085	12.0	13D	1N	1	V	0517	1.00				
ABST	17	0514	0527	0518	N12	W70	.946	10085	12.0	13	-N		C	0518	.72			62	D
GRP22856	17	0538	0545	0540	N15	W30	.566	10088	15.0	7	-B				.90				2 2 2 5
ABST	17	0538	0544	0540	N14	W30	.559	10088	15.0	6	-B		C	0540	.90	1.10		66	D
CAPS	17	0539E	0545D		N16	W30	.573	10088	15.0	6D	-B	2	V	0540	.90	1.10		246	CJ
GRP22859	17	0707	0805	0724	N05	E90	1.000	10107	24.0	58	-F				.72				4 2 2 11
HTPR	17	0705	0805	0712	N05	E90	1.000	10107	24.0	60	-N		C	0712	.52				A
CAPE	17	0708	0805	0715	N04	E90	1.000	10107	24.0	57	-F		C	0715	.92				A
CAPF	17	0730E	0740D		N04	E85	.996	10107	23.7	10D	1N		P	0731	1.03				A
MONT	17	0745E	0811	0746	N07	E90	1.000	10107	24.1	26D	1N		C	0746	4.13				
GRP22862	17	0825	0845	0832	N10	W66	.920	10086	12.4	20	1N				2.13				3 3 3 10
ZURI	17	0825	0838D	0832	N09	W67	.925	10086	12.3	13D	1N		C	0832	1.16				
WEND	17	0825E	0845		N10	W65	.913	10086	12.5	20D	1N		V		3.09				
MONT	17	0829	0841	0835	N09	W71	.949	10086	12.0	12	-N		C	0835	2.27				
GRP22865	17	1004	1130	1007	S28	E71	.952	10103	22.7	86	1N				.91				4 4 3 10
LOCA	17	1000E	1022D		S16	E67	.922	10103	22.4	22D	1N		S						
MEUD	17	1004E	1008D		S27	E68	.936	10103	22.5	4D	-N		C	1006	.41				E
CAPS	17	1004	1015		S29	E70	.948	10103	22.7	11	1F	3	V	1008	1.40			145	
KHAR	17	1005	1130D	1007	S28	E76	.972	10103	23.1	85D	1N		P						
GRP22867	17	1125	1149	1131	N14	W37	.645	10088	14.7	24	1N				2.30				10 10 9 10
CAPE	17	1124	1150	1131	N15	W37	.650	10088	14.7	26	-N		C	1131	1.24	1.60			F
MONT	17	1125	1155	1134	N14	W36	.633	10088	14.8	30	1N		C	1134	2.37				
CAPS	17	1125E	1153D		N15	W36	.639	10088	14.8	28D	1B	3	P	1129	3.00	3.60		237	
HTPR	17	1125	1150	1130	N15	W35	.627	10088	14.9	25	-N		C	1130	1.34	1.70			E
CATA	17	1125E	1150D	1130	N17	W36	.649	10088	14.8	25D	1B			1130	2.61	3.41		346	
KHAR	17	1125	1145D		N16	W36	.644	10088	14.8	20D	1N		P	1140	3.40	4.28			
CANR	17	1125	1137	1128	N13	W37	.641	10088	14.7	12	1N		C		2.30	3.00			E
ABST	17	1126	1204	1130	N12	W40	.673	10088	14.5	38	1B		C	1130	3.16	4.20		78	F
ONDR	17	1127E	1138D		N13	W39	.665	10088	14.6	11D	-N		V	1138			2.10		E
CAPF	17	1136E	1143D		N14	W36	.633	10088	14.8	7D	-N		P	1138	1.29	1.63			
GRP22870	17	1530	1555	1538	N18	W33	.621	10088	15.2	25	--F				1.35				3 3 3 7
HTPR	17	1530	1610	1539	N18	W34	.633	10088	15.1	40	-F		C	1539	1.03	1.30			
MONT	17	1530E	1544	1536	N18	W34	.633	10088	15.1	14D	-N		C	1536	1.03				
CAPS	17	1532E	1550D		N17	W32	.603	10088	15.2	18D	1F	2	V	1534	2.00	2.40		158	
GRP22871	17	1548	1620	1605	N10	E90	1.000	10107	24.4	32	-B				1.66				3 2 2 8
SACP	17	1546	1620	1607	N10	E90	1.000	10107	24.4	34	-B		C		1.25				
MONT	17	1549	1620	1602	N08	E90	1.000	10107	24.4	31	-B		C	1602	2.06				
MONT	17	1559	1619	1607	N11	E90	1.000	10107	24.4	20	-N		C	1607	.77				
CAPF	17	1612E	1625D		N11	E86	.998	10107	24.1	13D	1N		P	1618	.62				A
GRP22872	17	1714	1720	1716	N18	W60	.887	10095	13.2	6	-N				.75				3 3 3 4
CANR	17	1712	1717	1715	N19	W60	.889	10095	13.2	5	-N		C		.70	1.40			H
SACP	17	1714	1723	1716	N17	W60	.885	10095	13.2	9	-F		C		.53	.82			
HTPR	17	1715	1719	1716	N18	W61	.894	10095	13.1	4	-N		C	1716	1.03	2.00			
874 SACP	17	1754	1800	1756	S06	W64	.898	10087	12.9	6	--F		C		.31	.50			3
875 SACP	17	1923	1947	1931	N11	E90	1.000	10109	24.6	24	-B		C		1.14				2
GRP22878	17	2251	2307	2255	N08	W72	.954	10086	12.6	16	-N				.73				3 3 3 3
SACP	17	2251	2301	2254	N08	W74	.964	10086	12.4	10	-F		C		.42	.92			
CULG	17	2251	2315D	2255	N09	W73	.959	10086	12.5	24D	1N		C	2255	.93				V
MANI	17	2253E	2306	2255	N08	W70	.943	10086	12.7	13D	-N	2		2255	.83	1.82			
879 SACP	18	0129	0138	0132	S18	E75	.966	10108	23.7	9	--F		C		.54	1.17			3

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22880	18	0158	0233	0223	N08	E90	1.000	10107	24.8	35	1B				1.72				4 3 4 4
CULG	18	0158E	0226D	0220	N07	E90	1.000	10107	24.8	28D	1B		P	0220	.93				FR
SIBE	18	0221	0232D	0226	N07	E90	1.000	10107	24.8	11D			P	0226	1.32			51	CH
MANI	18	0222E	0228D		N07	E90	1.000	10107	24.8	6D	1B	1		0225	1.65	4.36			
MITK	18	0225E	0233D		N09	E90	1.000	10107	24.9	8D	2N		P	0225	2.99				H
GRP22881	18	0318	0545	(0428)	N16	W38	.666	10088	15.3	147	1N				4.64				3 2 2 4
MANI	18	0318E	0545D		N15	W37	.650	10088	15.4	147D	1N	1		0428	3.61	4.87			
CULG	18	0428E	0434D		N17	W38	.672	10088	15.3	6D	2N		P	0428	5.67	7.70			B
KODA	18	0455E	0455D		N18	W38	.677	10088	15.4		1F		P	0455	1.93	2.70			IL
	18	0418	0425	NO FLARE PATROL															
GRP22883	18	0511	0615	(0517)	N18	W40	.699	10088	15.2	64	2F				8.00				2 1 1 4
CAPS	18	0511E	0615		N18	W40	.699	10088	15.2	64D	2F	4	P	0517	8.00	11.20		170	BFI
MANI	18	0550E	0602D		N17	W40	.694	10088	15.2	12D	-N	1		0558	.83	1.16			
GRP22884	18	0806	0837	0813	N07	E88	1.000	10109	24.9	31	-B				1.08				4 4 4 6
BUCA	18	0630E	0850D		N06	E85	.997	10109	24.6	140D	-N		P	0815	.77				A
CATA	18	0710E	0755D	0740	N07	E90	1.000	10109	25.0	45D	1B			0740	.80			234	T
CATA	18	0805E	0820D	0810	N06	E90	1.000	10109	25.1	15D	1B			0810	.93			380	T
MONT	18	0806	0837	0815	N09	E88	1.000	10109	24.9	31	-B		C	0815	1.13				
CAPS	18	0815E	0825		N08	E88	1.000	10109	24.9	10D	1N	4	P	0820	1.50			196	J
GRP22885	18	0818	0846	0824	N19	W12	.413	10088	17.4	28	--N				.75				3 3 3 6
CATA	18	0815	0850D	0825	N19	W12	.413	10088	17.4	35D	-B			0825	.63	.70		219	
MONT	18	0818	0841	0823	N19	W11	.406	10088	17.5	23	-N		C	0823	.31				
CAPS	18	0821	0835D		N20	W13	.434	10088	17.4	14D	-F	4	V	0822	1.30	1.40		158	
887 CATA	18	1015E	1030D	1025	N06	E90	1.000	10109	25.2	15D	-N			1025	.40			182	T 5
888 MEUD	18	1034E	1042		N17	W42	.716	10088	15.3	8D	--F		C	1034	.31	.40			4
889 CATA	18	1050E	1140D	1055	N06	E90	1.000	10109	25.2	50D	1B			1055	.58			214	T 4
GRP22890	18	1119	1125	(1120)	S16	E55	.827	10099	22.6	6	-F				1.06				2 2 2 4
MEUD	18	1119E	1124		S15	E54	.816	10099	22.5	5D	-F		C	1119	.41	.70			
KHAR	18	1120E	1125D		S17	E56	.838	10099	22.7	5D	1N		P	1121	1.70	3.10			
GRP22891	18	1128	1145	1130	N13	W40	.676	10088	15.5	17	--F				.57				2 2 2 4
MEUD	18	1128	1130D		N13	W40	.676	10088	15.5	2D	-F		C	1130	.62	.80			E
CATA	18	1130E	1145D	1130	N13	W40	.676	10088	15.5	15D	-N			1130	.52	.68		195	
MEUD	18	1134E	1138D		N13	W40	.676	10088	15.5	4D	-F		C	1134	.62	.80			E
GRP22893	18	1253	1335	1309	N06	E86	.998	10109	25.0	42	-N				.74				3 3 3 4
SACP	18	1250	1335	1307	N08	E82	.991	10109	24.7	45	-N		C		.85				
CATA	18	1255	1335	1310	N03	E90	1.000	10109	25.3	40	-B			1310	.46			363	T
KHAR	18	1305E	1326D		N08	E86	.998	10109	25.0	21D	1N		P	1311	.90				
GRP22894	18	1336	1348	1339	S16	E53	.808	10099	22.5	12	-N				1.27				2 2 2 3
SACP	18	1336	1348	1339	S15	E53	.806	10099	22.5	12	-N		C		1.04	1.39			
CAPS	18	1340E	1348		S16	E53	.808	10099	22.5	8D	1N	3	P	1342	1.50	2.50		176	C
GRP22895	18	1344	1419	1352	N16	W52	.815	10088	14.7	35	1B				1.49				4 4 4 4
SACP	18	1342	1419	1349	N15	W53	.822	10088	14.6	37	1B		C		1.57	2.14			
CATA	18	1345	1410D	1355	N20	W51	.817	10088	14.7	25D	1B			1355	1.68	2.93		309	
CAPS	18	1345	1410D		N15	W52	.812	10088	14.7	25D	-B	3	P	1347	1.30	1.90		249	
CAPF	18	1357E	1410D		N15	W52	.812	10088	14.7	13D	1N		P	1400	1.39	2.16			L
896 CATA	18	1345	1410D	1350	S24	E75	.967	10108	24.2	25D	-B			1350	.69			263	3
GRP22898	18	1447	1520	1455	N15	W41	.696	10088	15.5	33	1B				2.22				6 6 6 6
SACP	18	1445	1539	1456	N14	W43	.715	10088	15.4	54	1N		C		3.25	3.85			
CANR	18	1447	1513	1449	N16	W39	.678	10088	15.7	26	1N		C		2.00	2.70			E
CAPS	18	1448	1521D		N16	W42	.712	10088	15.5	33D	-B	3	P	1450	1.20	1.70		239	
HOUT	18	1448	1515	1452	N15	W41	.696	10088	15.5	27	1B		C		1.50	2.10			E
CATA	18	1450E	1605D	1500	N18	W39	.688	10088	15.7	75D	1B			1500	2.66	3.77		324	
BOUL	18	1456E	1510	1500U	N13	W41	.688	10088	15.5	14D	1N		C		2.70	3.80			E
GRP22900	18	1657	1707	1700	N14	W54	.829	10088	14.7	10	--F				.51				2 2 2 6
HOUT	18	1657	1709	1700	N12	W54	.824	10088	14.7	12	-F		C		.60	1.10			
MEUD	18	1659E	1705		N16	W53	.824	10088	14.7	6D	-F		C	1659	.41	.70			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22901	18	1710	1746	1720	N08	E83	.993	10109	24.9	36	1B				1.78				5 5 5 5
SACP	18	1707	1806	1720	N08	E78	.980	10109	24.6	59	2N		C		2.85	7.08			
BOUL	18	1709	1750	1719	N08	E85	.997	10109	25.1	41	1B		C		1.50	5.00			H
CANR	18	1709	1735	1719U	N07	E85	.997	10109	25.1	26	2B		C		1.60	5.30			H
MEUD	18	1711	1716D		N08	E80	.986	10109	24.7	5D	1N		C	1715	1.03				AE
HOUT	18	1714	1734	1720	N09	E87	.999	10109	25.2	20	1N		C		1.10	3.30			H
MEUD	18	1721E	1721D		N08	E80	.986	10109	24.7		1B		C	1721	1.86				
	18	1910	2002	NO FLARE PATROL															
902 HOUT	18	2005	2020	2011	N07	E79	.983	10109	24.8	15	-N		C		.40	1.20			2
	18	2017	2035	NO FLARE PATROL															
GRP22903	18	2059	2141	2109	N07	E77	.976	10109	24.6	42	2B				2.65				3 2 2 3
HOUT	18	2053	2120	2057	N09	E79	.983	10109	24.8	27	1N		C		1.10	3.30			H
CULG	18	2059E	2150D	2111	N06	E77	.976	10109	24.6	51D	3B		P	2111	3.61				EZR
SACP	18	2104E	2131	2107U	N08	E76	.972	10109	24.6	27D	1N		C		1.68	3.89			
904 MANI	19	0000	0025	0005	N19	W19	.474	10088	17.6	25	--F	2		0005	1.03	1.17			2
905 MANI	19	0040E	0048D	0043	N07	W80	.986	10088	13.0	8D	1F	2		0043	.93	2.40			2
906 MITK	19	0046E	0048D		S08	W80	.984	10087	13.0	2D	1F		P	0046	1.03				D 2
	19	0048	0057	NO FLARE PATROL															
908 SACP	19	0119	0123	0121	S15	E65	.908	10108	23.9	4	--F		C		.22	.35			3
GRP22910	19	0215	0237	0224	N07	E74	.963	10109	24.6	22	-N				.58				3 3 3 4
MANI	19	0215	0240	0225	N07	E77	.976	10109	24.9	25	-F	2		0225	.52	1.28			
MITK	19	0219E	0231D		N08	E72	.954	10109	24.5	12D	1N		C	0221	.72				E
CRON	19	0220E	0233	0223	N07	E72	.953	10109	24.5	13D	-N		C		.50	1.40			
3 STATIONS REPORTING GROUP 22912. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22912	19	0340	0410	0348	N07	E74	.963	10109	24.7	30	-F				1.73				2 2 2 4
MANI	19	0340	0357D	0348	N07	E75	.968	10109	24.8	17D	-F	2		0348	.72	1.79			
TACH	19	0344E	0410		N07	E73	.958	10109	24.6	26D	1N		V	0344	2.73		2.20	66	E
22912	19	0347	0425	0408	N08	E73	.959	10109	24.6	38	*-F				.74				2 2 2 4
KODA	19	0347	0418D	0408	N08	E70	.943	10109	24.4	31D	-N		P	0418	.64		2.12		E
MANI	19	0407E	0425		N07	E75	.968	10109	24.8	18D	-F	2		0408	.83	2.04			
7 STATIONS REPORTING GROUP 22915. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22915	19	0535	0636	0601	N08	E72	.954	10109	24.6	61	2N				3.88				5 4 4 7
KODA	19	0535	0615	0607	N08	E70	.943	10109	24.5	40	2N		P	0548	2.58		2.48		K
BUCA	19	0557E	0650	0600	N09	E70	.943	10109	24.5	53D	2N		P	0600	3.32				
TACH	19	0558E	0616	0559	N07	E73	.958	10109	24.7	18D	2F		V	0559	6.01		2.80	78	E
CRIM	19	0558E	0700	0558	N07	E75	.968	10109	24.9	62D	1N		P	0558	3.60				E
MEUD	19	0609E	0623		N07	E73	.958	10109	24.7	14D	-N		C	0610	.83				
MEUD	19	0633	0640	0634	N10	E71	.950	10109	24.6	7	-F		C	0634	.31				D
22915	19	0536	0610	0542	N06	E70	.942	10109	24.5	34	*1N				1.70				2 2 2 4
CAPS	19	0535E	0559D		N05	E69	.935	10109	24.4	24D	1N	3	P	0538	2.00			178	BIJ
CRON	19	0536	0610	0542	N07	E70	.942	10109	24.5	34	1N		C		1.40	3.50			
GRP22922	19	0959	1026	1006	S09	W60	.866	10089	14.9	27	-N				.85				5 5 5 6
LOCA	19	0957	1025	1004	S10	W58	.849	10089	15.1	28	-N		V	1004	.85	1.60			
HTPR	19	0958	1010	1005	S09	W63	.891	10089	14.7	12	1N		C	1005	1.13	2.20			
CAPS	19	0959	1006D		S08	W55	.820	10089	15.3	7D	-N	1	V	0959	.50	.90			
CATA	19	1000	1050D	1010	S08	W61	.874	10089	14.8	50D	-B			1010	.87	1.92		214	
CANR	19	1000	1020	1003	S09	W63	.891	10089	14.7	20	-N		C		.90	1.80			E
GRP22924	19	1130	1158	1134	N07	E68	.930	10109	24.6	28	1N				1.17				3 3 3 4
HTPR	19	1042	1144	1138	N08	E68	.931	10109	24.5	62	1N		C	1138	1.34				
CATA	19	1055E	1225	1100	N05	E68	.929	10109	24.6	90D	-B			1100	.87			309	TZ
CANR	19	1130	1150	1134	N09	E67	.925	10109	24.5	20	1N		C		1.30	2.80			
CATA	19	1145	1220	1155	N05	E73	.958	10109	25.0	35	-B			1155	.29			204	
GRP22926	19	1305	1318	1308	S15	E59	.862	10108	24.0	13	-N				.73				3 3 3 8
HTPR	19	1300	1314	1309	S15	E59	.862	10108	24.0	14	-N		C	1309	.93	1.80			
LOCA	19	1306E	1325	1306	S15	E60	.870	10108	24.0	19D	-N		V	1306	.63	1.30			
SACP	19	1308	1315	1309	S15	E59	.862	10108	24.0	7	-N		C		.63	.93			
GRP22927	19	1339	1400	1343	N13	E79	.984	10109	25.5	21	-B				.39				3 2 2 7
CATA	19	1330E	1355D	1335	N04	E70	.941	10109	24.8	25D	-B			1335	.58			204	T
SACP	19	1339	1400	1342	N13	E79	.984	10109	25.5	21	-B		C		.32				
MONT	19	1339	1355D	1344	N12	E79	.984	10109	25.5	16D	-N		C	1344	.46				

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22930	19	1431	1458	1435	N07	E67	.924	10109	24.6	27	1B				2.93				7 7 7 7
MONT	19	1425E	1511	1434	N09	E69	.938	10109	24.8	46D	2B	8	C	1434	7.22				
CATA	19	1430E	1450D	1435	N06	E67	.923	10109	24.6	20D	1B	8		1435	2.02			347	T
CAPF	19	1432	1450D		N06	E66	.916	10109	24.6	18D	1N	8	P	1433	2.06				HL
SACP	19	1432	1505	1435	N08	E66	.918	10109	24.6	33	2B	8	C		4.01	6.84			
HOUT	19	1433	1447	1435	N08	E69	.937	10109	24.8	14	1B	8	C		1.20	2.80			E
CANR	19	1433	1500	1435U	N06	E65	.909	10109	24.5	27	1N	8	C		2.00	4.20			Z
CAPS	19	1433E	1500		N06	E67	.923	10109	24.6	27D	1B	3	P	1435	2.00			204	FI
GRP22931	19	1621	1636	1626	S14	E59	.861	10108	24.1	15	--N				.37				2 2 2 5
HALE	19	1618	1635	1626	S14	E59	.861	10108	24.1	17	-N	3	C	1626	.31	.60			
SACP	19	1624	1636	1625	S14	E58	.852	10108	24.0	12	-N		C		.42	.60			
GRP22932	19	1703	1711	1704	N16	W89	1.000	10095	13.0	8	-N				.24				3 3 2 5
HALE	19	1703	1711	1704	N17	W89	1.000	10095	13.0	8	-N	3	C	1704	.26				
SACP	19	1703	1710	1704	N15	W89	1.000	10095	13.0	7	-N		C		.21				
ONDR	19	1703	1707D		N15	W90	1.000	10095	13.0	4D	1F		V	1705			1.50		A
GRP22935	19	1912	1939	1915	N08	E63	.896	10109	24.5	27	-B				.89				3 3 3 4
HALE	19	1910	2005	1915	N08	E64	.904	10109	24.6	55	1N	1	C	1915	1.13				
HOUT	19	1911	1923	1915	N07	E62	.887	10109	24.4	12	-B		C		.60	1.20			
SACP	19	1914	1929	1915	N08	E64	.904	10109	24.6	15	-B		C		.95	1.55			
GRP22936	19	2306	2320	2308	N19	W58	.873	10088	15.6	14	--N				.42				3 3 3 5
SACP	19	2306	2315	2308	N18	W58	.871	10088	15.6	9	-N		C		.53	.79			
MANI	19	2306	2315	2307	N18	W57	.863	10088	15.7	9	-N	2		2307	.36	.66			
HALE	19	2307	2331	2308	N20	W58	.875	10088	15.6	24	-N	1	C	2308	.36	.70			
GRP22937	19	2316	2342	2321	N08	E63	.896	10109	24.7	26	-B				.97				4 3 3 5
CULG	19	2105	2343	2122	N08	E63	.896	10109	24.6	158	1N	8	P	2122	1.13	2.47			
MANI	19	2314	2335	2321	N08	E63	.896	10109	24.7	21	-B	2		2321	.72	1.40			
HALE	19	2317	2357	2322	N08	E64	.904	10109	24.8	40	1N	1	C	2322	1.24				
SACP	19	2318	2333	2320	N08	E63	.896	10109	24.7	15	-B	8	C		.95	1.53			
GRP22939	20	0034	0053	0038	N08	E60	.872	10109	24.5	19	1B				2.13				6 6 6 6
MANI	20	0033	0054	0039	N08	E61	.880	10109	24.6	21	1B	2		0039	1.65	3.30			
CULG	20	0033	0224	0035	N08	E59	.863	10109	24.4	111	2B		C	0035	3.09	6.00			HLRSTV
CRON	20	0034	0044	0036	N07	E59	.862	10109	24.4	10	-N		C		1.00	1.90			H
SACP	20	0034	0056	0041	N08	E60	.872	10109	24.5	22	1B		C		2.63	3.95			
HALE	20	0034	0103	0038	N09	E60	.873	10109	24.5	29	2B	1	C	0038	3.40	6.90			FHLVW
SIBE	20	0035	0047	0038	N07	E60	.871	10109	24.5	12	1N		C	0038	.99	2.00		86	CE
HALE	20	0151	0202	0157	N09	E58	.856	10109	24.4	11	-B	1	C	0157	.46	.90			
GRP22942	20	0343	0355	0348	N07	E60	.871	10109	24.7	12	-N				1.08				5 5 5 5
MANI	20	0341E	0403D	0347	N08	E60	.872	10109	24.7	22D	-F	2		0347	.83	1.53			
HALE	20	0343	0353	0347	N08	E61	.880	10109	24.7	10	-B	1	C	0347	.83	1.80			
CRON	20	0345	0355	0348	N06	E59	.861	10109	24.6	10	-N		C		.70	1.70			
TACH	20	0347E	0353		N07	E60	.871	10109	24.7	6D	1N		V	0347	2.09	4.30	2.70	63	E
KODA	20	0348E	0353	0350	N08	E60	.872	10109	24.7	5D	1F		V	0349	.96	2.60	1.80		D
GRP22944	20	0633	0639	0634	N07	E60	.871	10109	24.8	6	-N				.70				3 3 2 11
HTPR	20	0632	0639	0634	N07	E60	.871	10109	24.8	7	-N		C	0634	1.03	2.00			
MEUD	20	0633	0637	0634	N08	E60	.872	10109	24.8	4	-N		C	0634	.36	.70			T
ONDR	20	0635E	0640D		N06	E59	.861	10109	24.7	5D	1F		V	0636			1.60		CH
4 STATIONS REPORTING GROUP 22953.					6 STATIONS OBSERVING AND NOT REPORTING.														
GRP22953	20	0907	0954	0931	N07	E58	.853	10109	24.7	47	--F				.81				3 3 3 10
ZURI	20	0857E	0951D	0937	N07	E56	.835	10109	24.6	54D	1N	8	P	0937	1.26	2.40			
HTPR	20	0916	0930	0924	N07	E59	.862	10109	24.8	14	-F	8	C	0924	.72	1.40			E
ARCE	20	0924E	0952D		N07	E61	.879	10109	25.0	28D	-F	8	C	0924	.44	.90			
HTPR	20	0950	0954	0952	N07	E58	.853	10109	24.8	4	-F	8	C	0952	.41	.80			
22953	20	0932	0941	0933	N08	E59	.863	10109	24.8	9	*-F				.31				2 2 2 9
MEUD	20	0931	0935D	0932	N08	E58	.855	10109	24.7	4D	-N	8	C	0932	.31	.60			D
HTPR	20	0933	0941	0934	N07	E59	.862	10109	24.8	8	-F	8	C	0934	.31	.60			
GRP22956	20	1018	1037	1024	N07	E55	.825	10109	24.6	19	1N				1.45				7 7 7 8
LOCA	20	1017	1055	1024	N07	E54	.816	10109	24.5	38	1N		V	1024	1.68	2.90			
CAPE	20	1018	1040	1021	N07	E55	.825	10109	24.6	22	-N		C	1021	.92	1.60			F
HTPR	20	1018	1030	1022	N07	E54	.816	10109	24.5	12	-N		C	1022	.93	1.50			E
ARCE	20	1021E	1029D		N08	E58	.855	10109	24.8	8D	1F		C	1021	1.41	2.70			
ZURI	20	1021E	1032D	1021	N07	E52	.795	10109	24.3	11D	-N		P	1021	1.26	2.10			
CATA	20	1025E	1030D	1025	N05	E55	.823	10109	24.6	5D	1B			1025	1.73	3.03		316	Z
ABST	20	1028E	1034D	1028	N06	E58	.852	10109	24.8	6D	1N		P	1028	2.25	4.50			EJ

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP22959	20	1357	1442	1403	S14	E26	.474	10099	22.5	45	-N				1.13				4 3 3 8
LOCA	20	1350	1505	1400	S13	E27	.483	10099	22.6	75	-N		V	1400	1.05	1.20			
CATA	20	1400E	1430D	1405	S15	E25	.467	10099	22.5	30D	-B			1405	.80	.91		288	
HTPR	20	1401	1430	1405	S13	E26	.469	10099	22.5	29	-N		C	1405	1.55	1.70			
CAPS	20	1425E	1456D		S14	E30	.529	10099	22.9	31D	1N	1	P	1432	2.80	3.40			
GRP22961	20	1532	1556	1545	N09	E54	.819	10109	24.7	24	-N				.59				3 3 3 8
SACP	20	1529	1553	1530	N11	E52	.802	10109	24.5	24	-N		C		.21	.28			
LOCA	20	1530	1600	1545	N08	E55	.827	10109	24.8	30	-B		V	1545	.63	1.20			
ZURI	20	1537	1554	1545	N07	E55	.825	10109	24.8	17	-N		C	1545	.84	1.40			
SACP	20	1542	1548	1544	N11	E52	.802	10109	24.6	6	-N		C		.31	.41			
GRP22963	20	1626	1636	1630	N09	E52	.799	10109	24.6	10	-N				.75				5 5 5 6
HALE	20	1622	1638	1625	N10	E49	.769	10109	24.4	16	-N	3	C	1625	.52	.80			
HTPR	20	1623	1635	1631	N07	E53	.806	10109	24.7	12	-F		C	1631	.31	.40			
CAPS	20	1625	1638D		N15	E55	.839	10109	24.8	13D	-B	2	V	1632	.80	1.40		204	
HALE	20	1627	1635	1629	N08	E51	.786	10109	24.5	8	-B	3	C	1629	.62	1.00			
SACP	20	1628	1634	1630	N08	E51	.786	10109	24.5	6	-N		C		.53	.68			
CANR	20	1628	1637	1630	N05	E52	.793	10109	24.6	9	1F		C		1.50	2.40			
GRP22965	20	1655	1713	1657	N08	E52	.797	10109	24.6	18	-N				1.36				7 7 7 7
SACP	20	1653	1718	1657	N08	E51	.786	10109	24.5	25	-N	8	C		1.17	1.50			
HALE	20	1654	1705	1656	N08	E51	.786	10109	24.5	11	-B	3	C	1656	1.03	1.70			L
ZURI	20	1655	1740	1657	N07	E54	.816	10109	24.8	45	-N	8	C	1657	1.26	2.00			
CANR	20	1655	1705	1657	N07	E51	.785	10109	24.5	10	1N	8	C		1.60	2.60			
CAPS	20	1655E	1714D		N15	E57	.856	10109	25.0	19D	1N	2	S	1655	2.00	3.40			
HTPR	20	1655	1701	1657	N07	E52	.795	10109	24.6	6	1B	8	C	1657	1.65	2.60			Z
HOUT	20	1656	1705	1657	N07	E51	.785	10109	24.5	9	-N	8	C		.80	1.30			E
GRP22966	20	1929	1957	1934	S12	E25	.449	10099	22.7	28	-N				1.56				2 2 2 3
HALE	20	1928	1959	1931	S10	E23	.410	10099	22.5	31	1N	1	C	1931	1.96	2.20			
SACP	20	1929	1955	1936	S12	E24	.435	10099	22.6	26	-N		C		1.16	1.17			
HALE	20	1935	1945	1938	S12	E27	.478	10099	22.8	10	-B	1	C	1938	.21	.20			
967 HALE	20	2016	2031	2021	N07	E52	.795	10109	24.7	15	--F	1	C	2021	.41	.70			3
GRP22968	20	2223	2251	2230	S12	E21	.391	10099	22.5	28	-B				.99				3 2 2 6
VORO	20	2223	2303		S10	E21	.380	10099	22.5	40	1B		P	2247	2.40	2.48		89	EJ
SACP	20	2228	2241	2230	S11	E21	.385	10099	22.5	13	-N		C		.63	.63			
MCMA	20	2231E	2301D		S13	E21	.398	10099	22.5	30D	-B		C	2232	1.34	1.50			E
GRP22969	20	2247	2257	2250	N08	E47	.743	10109	24.5	10	--N				.53				3 3 3 6
VORO	20	2246	2254	2248	N10	E47	.747	10109	24.5	8	-B		C	2248	.65	.97		78	E
MCMA	20	2247	2259	2250	N08	E47	.743	10109	24.5	12	-N		C	2250	.52	.80			EH
SACP	20	2247	2257	2253	N07	E47	.741	10109	24.5	10	-N		C		.42	.52			
GRP22971	20	2355	0027	0004	S12	E20	.377	10099	22.5	32	-B				1.76				5 5 5 5
MANI	20	2350	0030	0002	S12	E20	.377	10099	22.5	40	-N	2		0002	1.44	1.57			
VORO	20	2350	0027	2353	S10	E21	.380	10099	22.6	37	1B		C	2323	3.05	3.24		93	EJ
MITK	20	2353E	0028		S13	E20	.384	10099	22.5	35D	-B		C	0005	1.44	1.60			EH
HALE	21	0000	0025	0004	S11	E20	.371	10099	22.5	25	-B	2	C	0004	1.29	1.40			
SACP	21	0000E	0025U	0005	S12	E21	.392	10099	22.6	25D	-N		C		1.58	1.57			
GRP22972	21	0036	0127	0050	S13	E20	.385	10099	22.5	51	-F				1.91				2 2 2 5
MITK	21	0031	0127	0049	S13	E20	.385	10099	22.5	56	1F		C	0049	2.78	3.00			H
MANI	21	0040	0110D	0051	S12	E20	.378	10099	22.5	30D	-N	2		0051	1.03	1.12			
GRP22974	21	0133	0224	0155	S12	E19	.364	10099	22.5	51	1B				2.13				3 3 3 3
MITK	21	0131	0224	0158	S13	E20	.385	10099	22.6	53	1B		C	0158	2.58	2.80			E
MANI	21	0135	0230	0153	S12	E20	.378	10099	22.6	55	-N	2		0153	1.55	1.67			
HALE	21	0152	0217	0155	S11	E19	.357	10099	22.5	25	1B	2	C	0155	2.27	2.40			
MITK	21	0227	0237D	0230	S13	E17	.344	10099	22.4	10D	-N		C	0230	1.13	1.20			E
GRP22975	21	0336	0407	0343	S11	E19	.357	10099	22.6	31	-B				1.29				3 2 2 3
HALE	21	0336	0407	0343	S11	E18	.342	10099	22.5	31	-B	1	C	0343	1.13	1.20			
MANI	21	0340E	0351D		S11	E19	.357	10099	22.6	11D	-N	1		0344	1.44	1.54			
MITK	21	0402E	0405D		S12	E16	.321	10099	22.4	3D	-F		P	0402	.93	1.20			D
GRP22976	21	0527	0558	0534	S12	E17	.335	10099	22.5	31	-N				2.39				6 5 5 7
MANI	21	0525	0550	0535	S12	E17	.335	10099	22.5	25	-N	2		0535	1.55	1.64			
WEND	21	0526	0620		S12	E15	.308	10099	22.4	54	1N		P		5.16				
HTPR	21	0527	0543	0531	S12	E17	.335	10099	22.5	16	-N		C	0531	1.13	1.10			
ABST	21	0528	0651	0536	S11	E18	.342	10099	22.6	83	1N		C	0536	2.70	2.90		64	FJ
CRON	21	0534E	0535D	0534U	S12	E18	.349	10099	22.6	1D	-N		C		1.40	1.50			
ZURI	21	0613E	0640	0623	S12	E13	.281	10099	22.2	27D	1N		C	0623	2.94	3.10			
GRP22978	21	0610	0615	0611	S19	E39	.666	10108	24.2	5	--F				.76				2 2 2 7
CRIM	21	0609	0615	0610	S19	E39	.666	10108	24.2	6	-F		C	0610	.90	1.20			D
HTPR	21	0610	0614	0611	S19	E39	.666	10108	24.2	4	-F		C	0611	.62	.80			

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22979	21	0645	0720	0715	N09	E44	.710	10109	24.6	35	--F				.31				3 2 1 7
ISTA	21	0645E	0720		N07	E44	.705	10109	24.6	35D	-F								
ZURI	21	0700	0705	0701	N08	E37	.619	10109	24.1	5	-N		C	0701	.84	1.10			
HTPR	21	0711	0720	0715	N10	E43	.700	10109	24.5	9	-F		C	0715	.31	.40			
GRP22980	21	0730	0749	0736	S13	E18	.357	10099	22.7	19	--F				1.26				5 4 2 9
ISTA	21	0645E	0842		S12	E21	.392	10099	22.9	117D	-F	8							
ZURI	21	0706	0744	0712	S12	E14	.294	10099	22.3	38	1F	8	C	0712	2.52	2.70			
HURB	21	0730E	0744D		S13	E17	.344	10099	22.6	14D	1N	8					1.80		
HTPR	21	0731	0739	0736	S13	E15	.317	10099	22.4	8	-F	8	C	0736	.52	.60			
CAPS	21	0742E	0804D		S15	E18	.375	10099	22.7	22D	1N	1	S	0742	2.00	2.10			
GRP22982	21	0836	0855	0840	S13	E15	.317	10099	22.5	19	-F				2.09				7 6 5 9
ZURI	21	0834	0900	0841	S13	E12	.279	10099	22.3	26	1N	8	C	0841	4.20	4.40			
CAPE	21	0835	0852	0838	S12	E14	.294	10099	22.4	17	-F	8	C	0838	.92	1.00			
HTPR	21	0836	0846	0838	S13	E14	.304	10099	22.4	10	-F	8	C	0838	.72	.70			
HURB	21	0836E	0850D		S12	E13	.281	10099	22.3	14D	1N	8					1.80		
MANI	21	0837E	0846		S12	E17	.335	10099	22.6	9D	-F	1		0838	1.03	1.09			
CRIM	21	0837	0903D	0842	S12	E16	.321	10099	22.6	26D	1N	8	C	0842	3.60	3.80			E
CAPS	21	0859E	0909D		S14	E16	.340	10099	22.6	10D	1N	1	S						
GRP22983	21	0908	0934	0916	N08	E41	.670	10109	24.5	26	-N				1.32				9 7 6 10
CAPE	21	0907	0940	0915	N07	E41	.668	10109	24.5	33	-N		C	0915	1.10	1.50			FH
ZURI	21	0907	0918D	0916	N06	E39	.640	10109	24.3	11D	-N		P	0916	1.13	1.50			
CRON	21	0909	0914D	0914	N08	E41	.670	10109	24.5	5D	-N		C		.90	1.20			
HTPR	21	0910	0928	0917	N07	E40	.655	10109	24.4	18	-N		C	0917	1.03	1.30			E
HURB	21	0912E	0929		N08	E42	.683	10109	24.5	17D	1F						1.90		
ABST	21	0914E	1332D	0916	N06	E41	.665	10109	24.5	258D	-N		P	0916	1.35	1.80		59	FJK
CAPS	21	0918E	0938		N15	E42	.706	10109	24.5	20D	1B	2	P	0921	2.40	3.40		204	CFI
MCMA	21	1059	1135		N08	E39	.645	10109	24.4	36	-N		C	1110	.93	1.20			E
CATA	21	1255E	1325D	1300	N05	E39	.637	10109	24.5	30D	-B			1300	.93	1.21		204	
GRP22985	21	1327	1358	1337	N09	E38	.635	10109	24.4	31	-N				1.00				7 7 7 11
ZURI	21	1319	1420	1338	N07	E38	.629	10109	24.4	61	-N	8	C	1338	1.26	1.60			
HTPR	21	1324	1348	1338	N07	E40	.655	10109	24.6	24	-F	8	C	1338	.62	.80			
LOCA	21	1325	1415	1340	N08	E38	.632	10109	24.4	50	1N	8	V	1340	1.68	2.10			
SANM	21	1331	1346		N09	E38	.635	10109	24.4	15	-F	8	C	1333	.97	1.25			TE
SACP	21	1331	1350	1333	N08	E38	.632	10109	24.4	19	-N	8	C		.94	1.04			
MCMA	21	1331	1400D	1334	N08	E39	.645	10109	24.5	29D	-N	8	C	1334	.52	.70			E
CAPS	21	1343E	1347D		N15	E38	.660	10109	24.4	4D	-F	2	S	1345	1.00	1.40		157	
GRP22986	21	1453	1456	1454	S14	E15	.327	10099	22.7	3	--F				.51				4 3 3 10
ZURI	21	1453	1456	1454	S15	E14	.325	10099	22.7	3	-N		C	1454	.91	1.00			
SANM	21	1453	1720		S14	E14	.314	10099	22.7	147	-F		C	1455	.32	.35			ETJ
SANM	21	1453	1720		S14	E14	.314	10099	22.7	147	-F			1501	.17				E
MCMA	21	1454	1457	1454	S14	E18	.366	10099	23.0	3	-F		C	1454	.31	.30			E
HTPR	21	1558	1610	1604	S12	E10	.243	10099	22.4	12	-F		C	1604	.52	.50			E
GRP22987	21	1507	1515	1510	S15	E14	.325	10099	22.7	8	--F				.68				3 3 3 11
MCMA	21	1506	1515	1509	S14	E14	.314	10099	22.7	9	-F		C	1509	.62	.70			E
ZURI	21	1506	1514	1510	S15	E14	.325	10099	22.7	8	-N		C	1510	1.01	1.00			
HTPR	21	1508	1516	1511	S15	E13	.313	10099	22.6	8	-F		C	1511	.41	.40			E
GRP22989	21	1648	1714	1700	S14	E14	.314	10099	22.8	26	--N				.78				6 6 6 8
SANM	21	1453	1720		S14	E14	.314	10099	22.7	147	-F	8		1701	.65	.70			
MCMA	21	1647	1712	1700	S14	E18	.366	10099	23.0	25	-N	8	C	1700	.52	.60			D
ZURI	21	1647	1712	1702	S14	E14	.314	10099	22.7	25	-N	8	C	1702	1.05	1.10			
HALE	21	1648	1715	1659	S14	E13	.302	10099	22.7	27	-B	3	C	1659	.67	.70			
SACP	21	1648	1715	1657	S14	E12	.290	10099	22.6	27	-N	8	C		.85	.83			
HTPR	21	1649	1712	1702	S15	E12	.302	10099	22.6	23	-N	8	C	1702	.93	.90			E
GRP22990	21	1659	1708	1701	N19	W90	1.000	10088	15.0	9	-N				.45				4 4 3 8
SACP	21	1658	1711	1701	N17	W89	1.000	10088	15.0	13	-N		C		.53				
MCMA	21	1659	1705	1701	N16	W90	1.000	10088	15.0	6	-N		C	1701					
HTPR	21	1700	1710	1702	N23	W90	1.000	10088	15.0	10	-F		C	1702	.21				
CANR	21	1700	1706	1701	N18	W90	1.000	10088	15.0	6	1N		C		.60	2.40			H
994 SACP	21	2058	2104	2100	N09	E40	.661	10109	24.9	6	--F		C		.63	.72			2
995 SACP	21	2108	2129	2109U	S14	E10	.268	10099	22.6	21	-N		C		1.05	1.04			2
GRP22996	21	2219	2246	2222	N06	E36	.599	10109	24.6	27	-N				1.73				3 3 3 4
CULG	21	2217E	2251	2223	N06	E36	.599	10109	24.6	34D	1B		P	2223	2.06	2.50			T
HALE	21	2220	2245	2222	N07	E36	.602	10109	24.6	25	-N	1	C	2222	1.44	1.80			
SACP	21	2220	2241	2222	N06	E37	.613	10109	24.7	21	-F		C		1.70	1.86			
GRP23002	22	0107	0138	0112	N12	E18	.385	10107	23.4	31	--F				.98				2 2 2 5
HALE	22	0107	0138	0111	N13	E18	.395	10107	23.4	31	-N	2	C	0111	1.13	1.20			
MITK	22	0111E	0123D	0112	N11	E18	.376	10107	23.4	12D	-F		C	0112	.83	.90			D

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23009	22	0435	0510	0446	N07	E30	.518	10109	24.4	35	1N				2.37				9 8 7 9
MANI	22	0430	0525	0446	N07	E31	.533	10109	24.5	55	1B	2		0446	1.86	2.21			
TACH	22	0431	0556	0446	N06	E30	.515	10109	24.4	85	1B		C	0446	2.73	3.20	2.60	93	E
CULG	22	0433	0516D		N08	E29	.508	10109	24.4	43D	1N		P	0447	4.13	4.60			FL
ONDR	22	0437E	0508		N07	E31	.533	10109	24.5	31D	2F		V	0440			2.30		CFHJK
ABST	22	0438	1442	0442	N08	E31	.537	10109	24.5	604	1B		C	0442	2.25	2.60		74	FJKZ
CRON	22	0438	0459	0445	N07	E30	.518	10109	24.4	21	-N		C		1.60	1.90			
KODA	22	0441E	0500	0450	N06	E30	.515	10109	24.4	19D	1N		C	0443	1.93	2.30	2.28		I
MITK	22	0455E	0456D		N05	E31	.526	10109	24.5	1D	1N		P	0455	2.06	2.40			E
CATA	22	1017E	1030D	1025	N07	E32	.547	10109	24.8	13D	-N			1025	.40	.48		195	
8 STATIONS REPORTING GROUP 23012. 5 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23012	22	0651	0714	0658	S13	E00	.193	10099	22.3	23	--N				.78				7 7 6 13
MANI	22	0648	0715	0658	S13	E02	.196	10099	22.4	27	-F	2		0658	.93	.95			
HTPR	22	0652	0712	0658	S14	E00	.210	10099	22.3	20	-N		C	0658	.62	.60			
ABST	22	0652	1202D	0700	S14	E01	.211	10099	22.4	310D	-N		C	0700	.72	.70		64	DJK
MEUD	22	0652	0712	0656	S13	W01	.194	10099	22.2	20	-N		C	0656	.83	.80			DKZ
ZURI	22	0653	0712	0658	S13	W03	.200	10099	22.1	19	-N		C	0658	1.05	1.10			
CATA	22	0655E	0705D	0655	S13	W01	.194	10099	22.2	10D	-B			0655	.52	.53		263	
HURB	22	0656E	0712		S11	E01	.159	10099	22.4	16D	-B						1.80		
MEUD	22	0742	0755	0747	S13	W02	.196	10099	22.2	13	-F		C	0747	.36	.40			DK
23012	22	0705	0716	0714	S13	W01	.194	10099	22.2	11	*-F				.31				2 2 1 12
ISTA	22	0656	0715		S13	W01	.194	10099	22.2	19	-N								
MEUD	22	0714	0716	0714	S13	W01	.194	10099	22.2	2	-F		C	0714	.31	.30			DZ
GRP23013	22	0759	0818	0803	N09	E31	.541	10109	24.7	19	--N				.60				10 10 7 14
MANI	22	0755	0825	0802	N08	E35	.592	10109	25.0	30	-N	2		0802	.83	1.00			
ONDR	22	0757E	0809D		N09	E30	.527	10109	24.6	12D	-F	8	V	0802			1.50		CEJ
HTPR	22	0758	0818	0802	N08	E33	.564	10109	24.8	20	-N	8	C	0802	.62	.70			E
MEUD	22	0759	0815	0802	N08	E32	.551	10109	24.7	16	-N	8	C	0802	.52	.60			E
ZURI	22	0800	0814	0803	N08	E28	.494	10109	24.4	14	-N	8	C	0803	.57	.70			
CATA	22	0800	0820	0805	N08	E32	.551	10109	24.7	20	-B	8		0805	.58	.71		263	
ISTA	22	0800	0817		N09	E32	.555	10109	24.7	17	-N	8							
MONT	22	0802E	0814	0803	N09	E32	.555	10109	24.7	12D	-N	8	C	0803	.46				
ARCE	22	0802E	0820	0803	N08	E32	.551	10109	24.7	18D	-F	8	C	0803	.64	.70			
HURB	22	0802	0820D		N11	E19	.389	10109	23.8	18D	-N	8					1.90		E
GRP23015	22	0822	0858	0828	N13	E68	.934	10109	27.4	36	2F				2.22				3 3 3 16
CRON	22	0821	0850	0827	N14	E67	.929	10109	27.4	29	2F	8	C		2.40	5.50			
CANR	22	0822	0905	0828U	N14	E68	.935	10109	27.4	43	2F	8	C		2.30	5.50			
MEUD	22	0822	0836D		N12	E69	.939	10109	27.5	14D	1F	8	C	0830	1.96				F
GRP23017	22	0903	0907	0904	S12	W01	.177	10099	22.3	4	--N				.53				3 3 2 15
HTPR	22	0903	0906	0904	S13	E00	.193	10099	22.4	3	-F	8	C	0904	.52	.50			
ZURI	22	0903	0906	0903	S13	W02	.196	10099	22.2	3	-N	8	C	0903	.53	.50			
HURB	22	0904E	0909D		S11	W01	.159	10099	22.3	5D	-B	8					2.80		D
GRP23018	22	0948	0953	0950	S13	W02	.196	10099	22.3	5	--N				.44				4 4 4 12
MANI	22	0948E	0953		S13	E00	.193	10099	22.4	5D	-F	1		0949	.52	.53			
HTPR	22	0948	0953	0950	S14	W03	.216	10099	22.2	5	-F	8	C	0950	.41	.40			
ZURI	22	0949	0952	0949	S13	W03	.200	10099	22.2	3	-N	8	C	0949	.53	.50			
CATA	22	0950E	0955D	0950	S13	W02	.196	10099	22.3	5D	-B	8		0950	.29	.30		204	Z
GRP23019	22	1006	1014	1008	N15	E48	.770	10109	26.0	8	--F				.29				3 2 2 13
MEUD	22	1006	1012	1006	N14	E48	.768	10109	26.0	6	-F	8	C	1006	.41	.60			D
MONT	22	1006	1016	1008	N08	E37	.618	10109	25.2	10	-F	8	C	1008	2.06				
CATA	22	1010E	1015D	1010	N16	E48	.773	10109	26.0	5D	-N	8		1010	.17	.27		190	
GRP23020	22	1149	1206	1153	S13	W02	.196	10099	22.3	17	-N				1.24				6 6 6 11
MEUD	22	1148	1202	1152	S13	W02	.196	10099	22.3	14	-N	8	C	1152	.83	.80			
MONT	22	1149	1201	1153	S13	W01	.194	10099	22.4	12	-N	8	C	1153	2.06				
HTPR	22	1150	1201	1153	S13	W02	.196	10099	22.3	11	-N	8	C	1153	.93	.90			
CAPE	22	1150	1202	1152	S13	W02	.196	10099	22.3	12	-F	8	C	1152	.92	.90			
ZURI	22	1150	1200	1155	S13	W01	.194	10099	22.4	10	-N	8	C	1155	1.89	1.90			
SANM	22	1154E	1230		S14	W01	.211	10099	22.4	36D	-F	8	P	1154	.80	.80			BE
GRP23024	22	1321	1329	1324	N07	E25	.446	10109	24.4	8	--N				.75				5 5 5 12
SANM	22	1320	1329	1323	N07	E25	.446	10109	24.4	9	-F	8	C		.32	.35			E
CATA	22	1320E	1325D	1320	N05	E26	.452	10109	24.5	5D	-N	8		1320	.63	.72		186	Z
ZURI	22	1321	1328	1325	N07	E24	.431	10109	24.4	7	-N	8	C	1325	1.26	1.40			
MEUD	22	1321	1330		N07	E26	.461	10109	24.5	9	-F	8	C	1324	.41	.40			D
MONT	22	1323	1329	1325	N08	E26	.466	10109	24.5	6	-N	8	C	1325	1.13				

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23026	22	1435	1447	1438	N08	E24	.437	10109	24.4	12	-F				.87				6 5 5 11
CATA	22	1425E	1450D	1425	N06	E24	.426	10109	24.4	25D	-B	8		1425	.80	.90		234	Z
MONT	22	1435	1447	1439	N09	E25	.457	10109	24.5	12	-N	8	C	1439	.46				
ZURI	22	1435	1447	1437	N08	E23	.422	10109	24.3	12	-N	8	C	1437	1.36	1.50			
MEUD	22	1436	1446	1438	N08	E24	.437	10109	24.4	10	-F	8	C	1438	.72	.80			
CAPS	22	1437E	1445D		N05	E25	.437	10109	24.5	8D	-F	4	V	1437	1.20	1.40		157	
HTPR	22	1438E	1448		N08	E22	.408	10109	24.3	10D	-F	8	C	1439	.62	.70			
GRP23027	22	1449	1458	1452	N07	E25	.446	10109	24.5	9	-N				1.32				5 5 5 11
MONT	22	1449	1456	1452	N08	E26	.466	10109	24.6	7	-N	8	C	1452	1.03				
HTPR	22	1449	1457	1451	N07	E24	.431	10109	24.4	8	-F	8	C	1451	1.24	1.30			
MEUD	22	1449	1455		N07	E25	.446	10109	24.5	6	-F	8	C	1450	.72	.80			
ZURI	22	1449	1458	1453	N07	E26	.461	10109	24.6	9	-N	8	C	1453	1.93	2.10			
CATA	22	1453E	1505D	1453	N04	E26	.448	10109	24.6	12D	-B	8		1453	1.68	1.89		246	Z
6 STATIONS REPORTING GROUP 23030. 4 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23030	22	1633	1657	1638	N06	E26	.456	10109	24.6	24	-N				1.21				6 6 6 10
HTPR	22	1612	1654	1630	N06	E27	.471	10109	24.7	42	-F		C	1630	.31	.30			
WEND	22	1626E	1658		N07	E28	.490	10109	24.8	32D	1N		V		2.58				
ZURI	22	1628E	1659	1638	N07	E27	.475	10109	24.7	31D	1N		C	1638	2.10	2.40			
HALE	22	1636	1705	1637	N07	E23	.416	10109	24.4	29	-N	3	C	1637	.62	.70			
SACP	22	1638	1641U	1639	N07	E24	.431	10109	24.5	3D	-N		C		.53	.53			
CAPS	22	1638	1647		N03	E27	.461	10109	24.7	9	-B	3	P	1638	.80	.90		208	
HTPR	22	1638	1646	1639	N07	E23	.416	10109	24.4	8	-F		C	1639	.62	.70			E
030 CAPS	22	1631	1656D		N05	E33	.555	10109	25.2	25D	*-N	3	V	1632	.50	.60		176	10
GRP23031	22	1739	1814	1759	N07	E26	.461	10109	24.7	35	-N				.92				3 3 3 6
ZURI	22	1716	1819	1757	N07	E28	.490	10109	24.8	63	-N		C	1757	1.78	2.00			
HALE	22	1737	1814	1759	N08	E25	.451	10109	24.6	37	-N	3	C	1759	.36	.40			
HTPR	22	1740	1810	1800	N07	E25	.446	10109	24.6	30	-F		C	1800	.62	.70			
GRP23032	22	1900	1931	1905	N12	E40	.670	10109	25.8	31	2B				5.29				4 4 4 4
HALE	22	1858	2038	1903	N13	E41	.686	10109	25.9	100	2B	3	C	1903	8.66	12.00			HLU
CANR	22	1900	1925D	1904	N11	E40	.667	10109	25.8	25D	2B		C		4.10	5.70			HE
HOUT	22	1901	1931	1905	N11	E40	.667	10109	25.8	30	2B		C		4.00	5.60			E
SACP	22	1906E	1907D	1906U	N13	E40	.674	10109	25.8	1D	1B		P		4.41	5.05			
GRP23033	22	1933	2032	1937	N08	E21	.393	10109	24.4	59	1B				5.05				3 2 2 3
HALE	22	1910	2101	1936	N08	E20	.379	10109	24.3	111	2B	3	C	1936	6.50	7.00			LV
HOUT	22	1933	2003	1937U	N07	E21	.387	10109	24.4	30	1B		C		3.60	4.00			
MCMA	22	2022E	2022D		N05	E22	.391	10109	24.5		1B		P	2022	2.06	2.10			E
034 SACP	22	2104	2110U	2105U	S22	W07	.362	10103	22.4	6D	--N		C		.42	.42			3
GRP23035	22	2115	2123	2116	S22	W07	.362	10103	22.4	8	--F				.71				2 2 2 3
SACP	22	2115	2120	2115	S22	W05	.353	10103	22.5	5	-N		C		.42	.42			
HOUT	22	2115	2125	2117	S21	W08	.353	10103	22.3	10	-F		C		1.00	1.10			
GRP23036	22	2148	2201	2150	S19	E17	.405	10108	24.2	13	-B				.97				2 2 2 5
VORO	22	2147	2158	2149	S18	E18	.405	10108	24.3	11	-B		C	2149	1.20	1.13		88	E
SACP	22	2148	2204	2150	S20	E16	.406	10108	24.1	16	-N		C		.74	.75			
GRP23040	23	0208	0242	0214	S21	W07	.349	10103	22.6	34	--N				.62				3 3 3 5
HALE	23	0205	0245	0213	S20	W07	.333	10103	22.6	40	-N	2	C	0213	.52	.50			
MITK	23	0210	0240	0215	S22	W08	.369	10103	22.5	30	-N		C	0215	.62	.70			E
MANI	23	0221E	0242D		S22	W07	.364	10103	22.6	21D	-N	1		0221	.72	.74			
GRP23041	23	0404	0425	0409	S19	W12	.356	10103	22.3	21	-N				1.31				5 5 5 6
MITK	23	0402	0420	0409	S20	W12	.370	10103	22.3	18	-N		C	0409	.62	.70			E
ABST	23	0403	0445D	0410	S20	W14	.388	10103	22.1	42D	1B		C	0410	2.61	2.80		76	FK
MANI	23	0403	0416	0408	S19	W11	.347	10103	22.3	13	-N	2		0408	.72	.83			
HALE	23	0404	0428	0410	S17	W11	.320	10103	22.3	24	-N	2	C	0410	.62	.70			
TACH	23	0408	0414	0408	S19	W10	.339	10103	22.4	6	1B		C	0408	2.00	2.20	1.90	128	E
GRP23042	23	0431	0445	0435	S20	W12	.370	10099	22.3	14	-N				1.38				3 3 3 6
MITK	23	0430	0442	0433	S21	W13	.391	10099	22.2	12	-N		C	0433	.52	.60			E
MANI	23	0431	0450	0439	S20	W11	.361	10099	22.4	19	-F	2		0439	1.55	1.65			
HALE	23	0431	0442D	0433	S18	W11	.334	10099	22.4	11D	1N	2	P	0433	2.06	2.20			
GRP23044	23	0522	0633	0533	S15	E16	.352	10108	24.4	71	--N				.68				5 3 3 8
MANI	23	0519	0645	0527	S15	E16	.352	10108	24.4	86	-N	2		0527	.72	.77			
MITK	23	0520	0621	0529	S16	E16	.362	10108	24.4	61	-N		C	0529	.72	.80			E
CAPS	23	0527	0612D		S15	E17	.364	10108	24.5	45D	-N	3	V	0527	.60	.70		198	
ABST	23	0527E	0545D	0543	S16	E16	.362	10108	24.4	18D	-N		P	0543	1.35	1.40		66	E
CRIM	23	0558E	0650		S15	E16	.352	10108	24.4	52D	-N		P	0600	1.80	1.90			E

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23047	23	0648	0715	0650	S21	W10	.368	10103	22.5	27	--N				.51				4 3 3 13
CRIM	23	0558E	0654D		S20	W13	.378	10103	22.3	56D	1F	8	P	0600	2.70	2.90			D
MANI	23	0646	0710	0650	S20	W12	.370	10103	22.4	24	-F	2		0650	.46	.50			
CATA	23	0647E	0720	0650	S22	W09	.375	10103	22.6	33D	-B	8		0650	.58	.61		229	
CAPS	23	0652	0659D		S22	W09	.375	10103	22.6	7D	-N	3	V	0652	.50	.50		176	
GRP23050	23	0656	0721	0700	S14	W12	.293	10099	22.4	25	--N				.48				3 3 3 12
BUCA	23	0654E	0722D		S15	W12	.305	10099	22.4	28D	-F	8	C	0700	.66	.70			
CATA	23	0655	0720	0700	S14	W13	.305	10099	22.3	25	-N	8		0700	.29	.30		195	
CAPS	23	0700	0710D		S14	W12	.293	10099	22.4	10D	-N	3	V	0700	.50	.50		176	
GRP23062	23	1522	1554	1529	S29	W11	.488	10103	22.8	32	--N				.53				7 6 6 10
CATA	23	1435E	1525D	1450	S19	W20	.440	10103	22.1	50D	-N	8		1450	.14	.16		174	
HTPR	23	1521	1550	1531	S30	W10	.497	10103	22.9	29	-N	8	C	1531	.41	.50			
MONT	23	1521	1546	1527	S30	W12	.507	10103	22.7	25	-N	8	C	1527	1.13				
SACP	23	1521	1607	1530	S30	W11	.502	10103	22.8	46	-N	8	C		.53	.55			
CAPS	23	1523	1543		S27	W08	.444	10103	23.0	20	-N	2	V	1523	.50	.60		197	
MCMA	23	1524	1615		S30	W11	.502	10103	22.8	51	-B	8	P	1524	.26	.30			D
MEUD	23	1525E	1525D		S28	W12	.479	10103	22.7		-N	8	C	1525	.36	.40			D
MEUD	23	1533E	1545		S28	W12	.479	10103	22.7	12D	-N	8	C	1533	.36	.40			D
GRP23068	23	2217	2250	2220	N10	W08	.245	10107	23.3	33	-N				.98				2 2 2 4
MCMA	23	2217	2250	2220	N10	W08	.245	10107	23.3	33	-B		C	2220	.72	.80			EH
MANI	23	2227E	2244D		N10	W08	.245	10107	23.3	17D	-F	1		2228	1.24	1.28			
GRP23069	23	2321	2354	2330	N12	W09	.283	10107	23.3	33	--F				.68				2 2 2 4
HALE	23	2316	2359D	2330	N12	W09	.283	10107	23.3	43D	-N	2	P	2330	.83	.90			F
SACP	23	2325	2349	2329	N11	W08	.259	10107	23.4	24	-F		C		.53	.52			
GRP23070	24	0109	0114	0110	S22	W23	.504	10103	22.3	5	--F				.34				2 2 2 3
MANI	24	0109E	0113D		S22	W22	.493	10103	22.4	4D	-F	2		0110	.26	.30			
SACP	24	0109	0114	0110	S21	W24	.505	10103	22.2	5	-N		C		.42	.44			
GRP23071	24	0157	0221	0201	N16	W07	.325	10107	23.6	24	--F				.21				2 2 2 4
HALE	24	0155	0226	0200	N16	W07	.325	10107	23.6	31	-N	2	C	0200	.21	.20			
MANI	24	0158	0215	0201	N15	W07	.310	10107	23.6	17	-F	1		0201	.21	.22			
GRP23072	24	0214	0230	0215	N12	W08	.272	10107	23.5	16	--F				.34				2 2 2 4
HALE	24	0213	0233	0215	N12	W08	.272	10107	23.5	20	-F	2	C	0215	.26	.30			
MANI	24	0214	0226		N11	W07	.249	10107	23.6	12	-F	2		0218	.41	.43			
073 CRON	24	0440	0505	0445	N11	E34	.589	10109	26.7	25	1F		C		2.70	3.30			3
23075	24	0706	0815	(0713)	N12	E01	.237	10109	24.4	69	--F				1.80				3 2 2 6
CATA	24	0700	0800D	0700	N06	E02	.138	10109	24.4	60D	-N			0700	.63	.64		195	T
WEND	24	0704E	0815		N16	E02	.305	10109	24.4	71D	1F		P		3.09				
CAPS	24	0708	0735D		N07	E00	.150	10109	24.3	27D	-N	1	V	0713	.50	.50		170	
4 STATIONS REPORTING GROUP 23077. 6 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23077	24	0844	0925	0900	N05	E02	.121	10109	24.5	41	-N				.87				2 2 1 10
CAPS	24	0844E	0902D		N05	E01	.117	10109	24.4	18D	1N	1	P						B
CATA	24	0850E	0925	0900	N04	E03	.111	10109	24.6	35D	-N			0900	.87	.88		186	T
23077	24	0821	0914	0844	N12	E01	.237	10109	24.4	53	*-F				2.84				2 2 2 12
WEND	24	0821	0918		N16	E02	.305	10109	24.5	57	1N		V		5.16				
ARCE	24	0842	0910	0844	N07	W01	.151	10109	24.3	28	-F		C	0844	.52	.50			
GRP23079	24	0914	0921	0915	S12	W25	.452	10099	22.5	7	-N				1.04				3 3 3 10
ZURI	24	0914	0919	0915	S12	W25	.452	10099	22.5	5	-N		C	0915	1.22	1.30			
MEUD	24	0914	0920	0915	S12	W25	.452	10099	22.5	6	-F		C	0915	.93	1.00			
CATA	24	0915E	0925	0915	S11	W24	.432	10099	22.6	10D	-N			0915	.98	1.10		186	
GRP23080	24	0924	0950	0930	N12	E30	.541	10109	26.6	26	1N				3.14				11 11 9 11
WEND	24	0907	0955		N16	E31	.578	10109	26.7	48	2N	8	P		6.19				
MONT	24	0922	0942	0928	N13	E29	.534	10109	26.6	20	1N	8	C	0928	4.54				H
ZURI	24	0923	1006	0929	N12	E28	.515	10109	26.5	43	1N	8	C	0929	3.36	4.00			
ONDR	24	0923E	0947		N13	E29	.534	10109	26.6	24D	2N	8	V	0926			2.30		CH
MEUD	24	0925	0937	0929	N11	E33	.576	10109	26.9	12	1N	8	C	0929	1.86	2.10			
CATA	24	0925	1010D	0930	N08	E32	.550	10109	26.8	45D	1B	8		0930	2.43	2.94		224	
MANI	24	0925	0948D	0930	N12	E29	.528	10109	26.6	23D	1F	2		0930	3.09	3.70			
ARCE	24	0925	0950	0933	N12	E30	.541	10109	26.6	25	1N	8	C	0933	2.67	3.20			H
CAPS	24	0925	0950D		N12	E29	.528	10109	26.6	25D	1N	2	P	0932	3.00	3.60		160	FH
CAPE	24	0925	0940	0929	N12	E30	.541	10109	26.6	15	-N	8	C	0929	1.10	1.30			F
HURB	24	0931E	0944		N11	E30	.536	10109	26.6	13D	2N	8					2.10		

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
	1969 MAY																		
GRP23083	24	1032	1111	1035	S23	W26	.545	10103	22.5	39	1B				3.61				10 10 8 12
WEND	24	1019	1118		S22	W24	.515	10103	22.6	59	2B	8	P		7.22				
MONT	24	1031	1112	1038	S24	W25	.544	10103	22.6	41	1B	8	C	1038	2.58				
LOCA	24	1031	1115	1035	S22	W27	.548	10103	22.4	44	2N	8	V	1035	5.04	6.00			
ZURI	24	1032	1116	1035	S23	W27	.556	10103	22.4	44	1B	8	C	1035	4.20	5.00			
CANR	24	1032E	1049D	1034U	S23	W27	.556	10103	22.4	17D	1N	8	C		1.80	2.20			E
CAPS	24	1032	1108	1034	S23	W25	.535	10103	22.6	36	1B	3	P	1034	4.00	4.80		390	
CAPE	24	1033	1055	1035	S23	W26	.545	10103	22.5	22	-N	8	C	1035	.92	1.10			
ONDR	24	1037E	1106		S22	W26	.537	10103	22.5	29D	3N	8	V	1038			3.90		CFJ
CAPF	24	1039E	1127		S22	W25	.526	10103	22.6	48D	1N	8	P	1042	3.09	3.60			
HURB	24	1040E	1104		S21	W24	.505	10103	22.6	24D	2B	8					2.90		
GRP23084	24	1048	1113	1056	S31	W20	.572	10103	23.0	25	-N				.87				6 5 5 12
MONT	24	1046	1120	1052	S32	W21	.591	10103	22.9	34	-N	8	C	1052	1.13				
ZURI	24	1047	1108	1053	S31	W21	.580	10103	22.9	21	-N	8	C	1053	.85	1.00			
LOCA	24	1048	1105	1050	S30	W18	.546	10103	23.1	17	-N	8	V	1050	.73	.90			
CAPF	24	1050E	1114		S32	W19	.577	10103	23.0	24D	-N	8	P	1054	.72	.88			
CAPS	24	1050	1118D		S30	W20	.561	10103	23.0	28D	-F	3	V	1052	.90	1.10		147	
MCMA	24	1107E	1135	1108	S27	W24	.563	10103	22.7	28D	-N	8	C	1108	.83	1.00			E
GRP23086	24	1123	1144	1125	N08	W01	.169	10109	24.4	21	-N				1.77				4 4 4 10
MCMA	24	1120	1155		N05	W01	.117	10109	24.4	35	-N		C	1126	.83	.80			E
ZURI	24	1123	1131	1125	N05	W02	.121	10109	24.3	8	1F		C	1125	2.10	2.10			
WEND	24	1123	1140		N16	W01	.304	10109	24.4	17	1F		V		3.09				
CATA	24	1125	1150	1125	N05	E00	.116	10109	24.5	25	-B			1125	1.04	1.05		247	T
GRP23087	24	1226	1235	1227	N08	W14	.292	10107	23.5	9	--F				.44				3 3 3 9
MCMA	24	1225	1234	1227	N07	W15	.297	10107	23.4	9	-N		C	1227	.31	.30			E
SANM	24	1226	1235		N10	W15	.325	10107	23.4	9	-F		P	1228	.32	.35			E
CAPS	24	1227E	1232D		N08	W12	.265	10107	23.6	5D	-F	4	V	1228	.70	.70		145	CE
GRP23088	24	1304	1311	1307	N13	E28	.521	10109	26.6	7	--N				.30				3 3 3 8
SACP	24	1304	1312	1307	N14	E28	.528	10109	26.6	8	-N		C		.32	.33			
MCMA	24	1304	1310	1307	N12	E28	.515	10109	26.6	6	-N		C	1307	.26	.30			D
SANM	24	1304	1311	1306	N14	E28	.528	10109	26.6	7	-F		C		.32	.35			D
GRP23089	24	1338	1359	1345	N10	E32	.558	10109	27.0	21	--F				.41				3 2 2 10
SACP	24	1338	1352	1344	N11	E31	.549	10109	26.9	14	-F		C		.42	.44			
MCMA	24	1338	1415		N12	E28	.515	10109	26.7	37	-F		C	1400	.62	.70			E
CATA	24	1340E	1405D	1345	N08	E32	.550	10109	27.0	25D	-N			1345	.40	.48		155	
GRP23091	24	1650	1753	1734	N04	W06	.143	10109	24.3	63	--F				.50				2 2 2 6
MCMA	24	1650	1810D	1742	N05	W05	.145	10109	24.3	80D	-N			1726	.83	.80			
MCMA	24	1650	1810D	1704	N05	W05	.145	10109	24.3	80D	-N		C	1704	.31	.30			EHK
SANM	24	1721	1735	1726	N03	W07	.146	10109	24.2	14	-F		C		.17				D
GRP23092	24	1756	1910	1801	N11	E29	.522	10109	26.9	74	--N				.75				3 3 3 6
MCMA	24	1754	1830D	1801	N11	E28	.509	10109	26.8	36D	-N		C	1801	.62	.70			E
SANM	24	1757	1825D		N11	E29	.522	10109	26.9	28D	-F		P	1800	.65	.75			E
HALE	24	1759E	1910		N11	E29	.522	10109	26.9	71D	-N	3	P	1759	.98	1.10			
GRP23094	24	1813	1846	1816	N07	W06	.183	10109	24.3	33	--F				.73				2 2 2 6
HALE	24	1812	1851	1814	N08	W07	.206	10109	24.2	39	-F	3	C	1814	.83	.80			
MCMA	24	1813	1840	1818	N05	W05	.145	10109	24.4	27	-N	8	C	1818	.62	.60			EH
GRP23097	24	1957	2017	2001	S12	W31	.536	10099	22.5	20	--N				.43				3 3 3 4
MCMA	24	1956	2020	2002	S13	W30	.527	10099	22.6	24	-B		C	2002	.41	.50			E
SACP	24	1957	2008	2000	S13	W31	.541	10099	22.5	11	-F		C		.32	.33			
HALE	24	1959	2023	2000	S11	W31	.532	10099	22.5	24	-N	2	C	2000	.57	.70			
GRP23099	24	2252	2305	2255	N16	W20	.446	10107	23.5	13	--F				.70				2 2 2 4
MANI	24	2252	2304	2255	N15	W19	.424	10107	23.5	12	-F	2		2255	.52	.57			
HALE	24	2252	2306	2255	N16	W20	.446	10107	23.5	14	-N	2	C	2255	.88	1.00			H
GRP23103	25	0040	0051	0042	N16	W51	.802	10110	21.2	11	-N				.74				4 4 4 4
HALE	25	0039	0051	0040	N16	W50	.792	10110	21.3	12	-B	1	C	0040	.72	1.20			V
CRON	25	0039	0047	0042	N17	W52	.814	10110	21.1	8	-N		C		.60	1.00			
MANI	25	0040E	0053D	0043	N15	W50	.789	10110	21.3	13D	-N	2		0043	.77	1.23			
SACP	25	0040	0053	0041	N15	W52	.809	10110	21.1	13	-N		C		.85	1.12			
GRP23105	25	0124	0137	0127	N07	W09	.215	10109	24.4	13	--N				.26				3 3 3 4
MANI	25	0124	0139	0127	N06	W08	.190	10109	24.5	15	-F	2		0127	.15	.16			
HALE	25	0124	0136	0127	N08	W09	.226	10109	24.4	12	-B	2	C	0127	.31	.30			
SACP	25	0124	0135	0127	N07	W09	.215	10109	24.4	11	-F		C		.32	.32			
GRP23106	25	0143	0153	0145	N07	W09	.215	10109	24.4	10	--F				.37				2 2 2 4
MANI	25	0143	0153	0145	N07	W08	.202	10109	24.5	10	-N	2		0145	.31	.32			
SACP	25	0143	0146D	0144	N07	W09	.215	10109	24.4	3D	-F		C		.43	.42			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23108	25	0455	0500	0456	N06	W11	.230	10109	24.4	5	--N				.75				2 2 2 5
MANI	25	0455E	0500		N05	W10	.207	10109	24.5	5D	-F	1		0456	.57	.58			
TACH	25	0455	0500	0456	N07	W12	.254	10109	24.3	5	-B		C	0456	.93	.90		100	D
109 CAPS	25	0622	0625D		S18	W18	.409	10108	23.9	3D	--N	4	V	0622	.50	.50		174	3
GRP23110	25	0619	0700	0625	N12	E12	.310	10109	26.2	41	-B				1.00				2 2 1 5
ISTA	25	0618	0700	0625	N13	E22	.442	10109	26.9	42	-N								
ISTA	25	0618	0625		N18	W16	.424	10109	24.1	7	-N								
CAPS	25	0620	0635D		N09	E21	.398	10109	26.8	15D	-B	4	V	0620	1.00	1.10		216	
23110	25	0635	0707	0645	N12	E22	.434	10109	26.9	32	*-F				2.62				2 2 2 8
BUCA	25	0630E	0654D		N11	E23	.440	10109	27.0	24D	-F	8	P	0645	1.10	1.20			
WEND	25	0640	0707		N12	E20	.407	10109	26.8	27	1F	8	P		4.13				
GRP23115	25	0751	0845	0804	S19	W41	.692	10103	22.3	54	1N				3.24				7 7 6 10
BUCA	25	0745	0800D		S19	W38	.657	10103	22.5	15D	1N		P	0800	2.21	2.80			
ZURI	25	0747	0812D	0802	S19	W44	.725	10103	22.0	25D	1N		C	0802	1.78	2.50			
CAPS	25	0755	0815D		S19	W42	.703	10103	22.2	20D	-B	3	P	0755	1.00	1.40		207	
CATA	25	0755E	0850	0805	S18	W41	.688	10103	22.3	55D	1B			0805	1.91	2.62		240	
WEND	25	0757E	0847D		S20	W39	.674	10103	22.4	50D	2N		V		10.31				
ONDR	25	0759E	0829		S18	W45	.733	10103	22.0	30D	2F		V	0811			2.30		CJ
ABST	25	0805E	0855	0806	S20	W40	.685	10103	22.3	50D	1N		P	0806	2.25	3.20		66	F
GRP23118	25	0854	0944	0900	S21	W41	.700	10103	22.3	50	--B				.80				3 2 1 8
CAPS	25	0854E	0944D		S18	W42	.699	10103	22.2	50D	-N	1	V	0911	.80	1.10			
CATA	25	0855	0935D	0900	S21	W37	.656	10103	22.6	40D	-B	8		0900	.29	.38		251	
ONDR	25	0906E	0938D		S24	W39	.693	10103	22.5	32D	-B	8	V	0914			2.80		CDH
6 STATIONS REPORTING GROUP 23121. 0 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23121	25	1147	1311	1212	N08	W10	.238	10109	24.7	84	1N				3.82				4 3 3 4
ABST	25	1143	1322	1212	N08	W10	.238	10109	24.7	99	2N		P	1212	6.30	6.50		56	F
CAPE	25	1143	1315	1215	N09	W10	.250	10109	24.7	92	-N		C	1215	1.75	1.80			F
CANR	25	1155	1257	1209	N08	W11	.251	10109	24.7	62	1N		C		3.40	3.60			EL
SACP	25	1215E	1345	1229U	N08	W11	.251	10109	24.7	90D	2B		C		8.03	7.89			
23121	25	1251	1320	(1252)	N08	W11	.251	10109	24.7	29	*2B				7.74				2 2 2 6
WEND	25	1251E	1256D		N08	W11	.251	10109	24.7	5D	2N		V		10.31				
MCMA	25	1252E	1320		N08	W11	.251	10109	24.7	28D	2B		C	1252	5.16	5.20			BF
GRP23123	25	1436	1455	1441	N11	W15	.334	10109	24.5	19	--B				.64				4 4 3 8
SACP	25	1434	1456	1438	N10	W16	.336	10109	24.4	22	-B		C		.73	.73			
ZURI	25	1434	1452	1440	N10	W14	.310	10109	24.6	18	-N		C	1440	.57	.60			
CATA	25	1435	1500D	1445	N12	W16	.356	10109	24.4	25D	-B			1445	.63	.68		302	
CAPS	25	1439	1450		N10	W14	.310	10109	24.6	11	-N	1	V						
GRP23125	25	1603	1624	1607	N11	E14	.321	10109	26.7	21	1N				2.32				6 6 4 6
WEND	25	1602E	1629		N12	E15	.344	10109	26.8	27D	1N		V		4.13				
SACP	25	1603	1630	1607	N11	E14	.321	10109	26.7	27	1N		C		2.10	2.08			
ZURI	25	1603	1620	1606	N11	E16	.346	10109	26.9	17	-N		C	1606	1.74	1.80			
CANR	25	1604	1621	1608	N11	E13	.309	10109	26.6	17	-N		C		1.30	1.40			
CAPS	25	1606E	1610D		N09	E15	.314	10109	26.8	4D	1N	1	S						C
ONDR	25	1607E	1619		N12	E12	.310	10109	26.6	12D	1F		V	1608			1.70		C
GRP23130	25	1805	1836	1809	S22	W39	.683	10103	22.8	31	--B				.57				3 2 2 5
HALE	25	1804	1819	1807	S21	W38	.667	10103	22.9	15	-B	2	C	1807	.72	1.00			
SACP	25	1805	1852	1810U	S23	W40	.699	10103	22.8	47	-N		C		.42	.49			
MCMA	25	1805	1850	1807	S34	W42	.776	10103	22.6	45	-N		C	1807	.72	1.00			EV
GRP23131	25	1809	1818	1813	N07	E90	1.000	10116	1.5	9	--F				.31				2 2 1 5
HALE	25	1807	1816	1812	N08	E90	1.000	10116	1.5	9	-F	2	C	1812	.31				
MCMA	25	1810	1819	1814	N06	E90	1.000	10116	1.5	9	-N		C	1814					
GRP23132	25	1945	2006	1952	N09	E90	1.000	10116	1.6	21	-N				.32				3 3 2 4
HALE	25	1944	2007	1949	N10	E90	1.000	10116	1.6	23	-N	2	C	1949	.31				
MCMA	25	1945	2005	1952	N06	E90	1.000	10116	1.6	20	-N		C	1952					
SACP	25	1945	2005	1955	N10	E90	1.000	10116	1.6	20	-F		C		.32				
GRP23134	25	2009	2104	2016	S25	W41	.719	10103	22.8	55	-B				1.45				4 4 4 4
HALE	25	2006	2043	2013	S22	W39	.683	10103	22.9	37	1B	1	C	2013	2.17	3.00			F
SACP	25	2007	2113	2017U	S24	W43	.734	10103	22.6	66	-N		C		1.16	1.40			
MCMA	25	2007	2125		S26	W41	.724	10103	22.8	78	1B		C	2020	1.55	2.20			FHK
HOUT	25	2015	2035	2019	S23	W43	.730	10103	22.6	20	-N		C		.90	1.40			
HALE	25	2055	2104	2059	S29	W37	.703	10103	23.1	9	-F	1	C	2059	.41	.60			

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23135	25	2048	2126	2053	N09	W15	.314	10109	24.7	38	1B				2.75				4 4 4 4
MCMA	25	2043	2145	2054	N08	W15	.305	10109	24.7	62	1B		C	2054	2.58	2.70			EV
SACP	25	2048	2128	2052	N08	W16	.319	10109	24.7	40	1B		C		3.90	3.86			
HALE	25	2049	2124	2052	N10	W13	.298	10109	24.9	35	1N	2	C	2052	2.63	2.80			F
HOUT	25	2051	2105	2054	N08	W15	.305	10109	24.7	14	1N		C		1.90	2.10			
GRP23139	25	2239	2251	2242	N09	W16	.327	10109	24.7	12	-N				1.11				2 2 2 5
SACP	25	2238	2248	2240	N08	W16	.319	10109	24.7	10	-B		C		1.49	1.47			
MANI	25	2240	2253	2243	N09	W16	.327	10109	24.7	13	-F	1		2243	.72	.80			
	25	2358	0000	NO FLARE PATROL															
GRP23142	26	0128	0204	0134	S20	W50	.791	10103	22.3	36	-N				1.32				3 3 3 6
HALE	26	0127	0208	0131	S20	W49	.781	10103	22.4	41	-N	2	C	0131	1.13	1.80			F
SACP	26	0128	0148D	0137	S20	W51	.800	10103	22.2	20D	-N		C		1.40	1.85			
MANI	26	0137E	0200		S20	W51	.800	10103	22.2	23D	1N	2		0142	1.44	2.30			
GRP23143	26	0220	0325	0230	N09	E84	.995	10116	1.4	65	-F				.59				2 2 2 4
CULG	26	0215	0325	0232	N09	E85	.997	10116	1.5	70	1F		C	0232	.62				K
CULG	26	0215	0325	0305	N09	E85	.997	10116	1.5	70	1N		C	0305	.72				
HALE	26	0224	0308D	0228	N09	E82	.991	10116	1.3	44D	-F	1	P	0228	.46				
4 STATIONS REPORTING GROUP 23146. 9 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23146	26	0621	0645	0630	S20	W49	.781	10103	22.6	24	--F				.36				4 4 2 13
HURB	26	0611E	0633D		S20	W51	.800	10103	22.4	22D	-F						2.10		E
MANI	26	0625	0645	0630	S20	W49	.781	10103	22.6	20	-F	2		0630	.41	.66			
HTPR	26	0626	0629D		S20	W48	.771	10103	22.7	3D	-F		C	0629	.31	.50			
CAPS	26	0627E	0642D		S20	W49	.781	10103	22.6	15D	-N	1	V						C
23146	26	0607	0640	0616	S20	W55	.837	10103	22.1	33	*-F				.61				2 2 2 10
MANI	26	0607	0640	0616	S21	W56	.848	10103	22.1	33	-F	2		0616	.62	1.07			
CAPS	26	0612E	0621D		S19	W54	.826	10103	22.2	9D	-N	1	V	0614	.60	1.00			C
11 STATIONS REPORTING GROUP 23149. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23149	26	0633	0701	0639	N12	W08	.269	10109	25.7	28	1N				2.38				9 9 7 13
MANI	26	0630	0715	0639	N13	W08	.283	10109	25.7	45	1N	2		0639	2.27	2.38			
CRIM	26	0632	0645D		N12	W06	.253	10109	25.8	13D	1N		P	0635	4.50	4.90			E
MITK	26	0633	0701	0641	N12	W08	.269	10109	25.7	28	1N		C	0641	2.37	2.50			FH
BUCA	26	0634E	0709	0636	N13	W08	.283	10109	25.7	35D	-F		P	0636	1.14	1.20			
CRON	26	0634	0650	0636	N13	W07	.276	10109	25.7	16	-N		C		1.40	1.50			H
CATA	26	0635	0705D	0640	N13	W07	.276	10109	25.7	30D	1B			0640	3.71	3.86		389	
CAPE	26	0635E	0655	0640	N12	W09	.278	10109	25.6	20D	-N		P	0640	1.29	1.30			H
ONDR	26	0636E	0650		N10	W10	.261	10109	25.5	14D	1B		V	0636			2.00		CEH
HURB	26	0636E	0659		N09	W11	.261	10109	25.4	23D	2F						2.50		H
23149	26	0640	0655	0653	N13	W09	.292	10109	25.6	15	*1N				2.58				2 2 2 12
KODA	26	0640E	0655	0653	N12	W09	.278	10109	25.6	15D	1F		P	0652	2.58	2.60	1.88		H
HTPR	26	0644E	0648D		N13	W09	.292	10109	25.6	4D	1B		C	0646	2.58	2.60			H
GRP23151	26	0713	0722	0716	N08	W20	.375	10109	24.8	9	--F				.53				3 3 2 11
BUCA	26	0712	0727		N09	W20	.382	10109	24.8	15	-F		C	0714	.65	.70			
HURB	26	0712E	0721D		N07	W20	.369	10109	24.8	9D	-N						2.20		
HTPR	26	0714	0719	0716	N09	W21	.397	10109	24.7	5	-F		C	0716	.41	.40			
GRP23153	26	0814	0843	0826	S20	W49	.781	10103	22.7	29	-N				.67				4 4 4 7
MANI	26	0814E	0843	0826	S20	W49	.781	10103	22.7	29D	-N	2		0826	1.03	1.64			
HURB	26	0827E	0843		S14	W46	.733	10103	22.9	16D	-0						2.40		D
MEUD	26	0832E	0835D		S20	W49	.781	10103	22.7	3D	-N		C	0832	.31	.50			D
GRP23157	26	1100	1121	1101	N11	E04	.225	10109	26.8	21	-N				1.56				5 5 5 6
MEUD	26	1059	1101D		N12	E05	.247	10109	26.8	2D	-N		C	1101	1.13	1.10			F
CANR	26	1100E	1107	1100U	N11	E04	.225	10109	26.8	7D	-N		C		1.80	1.80			E
CAPS	26	1100E	1118		N11	E05	.231	10109	26.8	18D	-N	1	P	1103	1.80	1.80		170	
CAPE	26	1100	1120	1102	N11	E05	.231	10109	26.8	20	-N		C	1102	1.01	1.00			F
MCMA	26	1104E	1140		N10	E03	.204	10109	26.7	36D	1B		C	1104	2.06	2.10			BF
GRP23159	26	1108	1132	1111	S20	W50	.791	10103	22.7	24	-B				1.04				5 5 4 5
MCMA	26	1105	1138	1110	S21	W50	.793	10103	22.7	33	-B		C	1110	.72	1.20			EK
MCMA	26	1105	1138	1122	S21	W50	.793	10103	22.7	33	-B								
CANR	26	1107	1125	1109	S21	W49	.784	10103	22.8	18	-N		C		1.10	1.80			
CAPE	26	1109	1130	1114	S19	W50	.788	10103	22.7	21	-N		C	1114	.84	1.40			
CAPS	26	1111	1135		S20	W50	.791	10103	22.7	24	1B	1	P	1113	1.50	2.10		339	
ONDR	26	1112E	1121D		S21	W50	.793	10103	22.7	9D	1B		V	1117			2.60		CJ
GRP23160	26	1124	1145	1126	S13	W53	.806	10099	22.5	21	-N				.86				3 3 2 6
MCMA	26	1123	1150	1125	S13	W53	.806	10099	22.5	27	-B		C	1125	.52	.90			E
CANR	26	1124	1135D	1126	S14	W52	.798	10099	22.6	11D	-N		C		1.20	2.00			E
CAPS	26	1124	1140		S12	W55	.824	10099	22.4	16	-N	1	V						

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23161	26	1158	1215	1203	N11	E03	.221	10109	26.7	17	-N				1.62				2 2 2 6
MCMA	26	1158	1215	1203	N10	E03	.204	10109	26.7	17	-N		C	1203	1.44	1.40			FL
CAPS	26	1200E	1210D		N12	E02	.234	10109	26.6	10D	-N	1	V	1202	1.80	1.80		170	
GRP23163	26	1223	1229	1225	N08	W26	.463	10109	24.6	6	-N				.99				4 4 4 6
MCMA	26	1219	1222D	1220	N06	W28	.484	10109	24.4	3D	-N	8	C						EK
SACP	26	1222	1228	1225	N08	W25	.448	10109	24.6	6	-N	8	C		.54	.55			
MCMA	26	1222	1228	1225	N08	W25	.448	10109	24.6	6	-N	8		1225	.52	.60			
CANR	26	1223	1230	1224	N08	W27	.477	10109	24.5	7	1N	8	C		2.10	2.30			E
CAPS	26	1224	1230		N07	W27	.473	10109	24.5	6	-N	3	V	1227	.80	.80			
GRP23165	26	1353	1403	1355	N12	E02	.234	10109	26.7	10	--F				.47				3 3 3 6
MCMA	26	1352	1403	1355	N10	E03	.204	10109	26.8	11	-N		C	1355	.31	.30			DL
SACP	26	1353	1400	1355	N13	E02	.251	10109	26.7	7	-F		C		.31	.31			
CAPS	26	1356E	1405D		N13	E02	.251	10109	26.7	9D	-F	3	V	1357	.80	.80		137	
GRP23169	26	1827	1833	1830	S28	W52	.832	10103	22.9	6	--N				.26				3 3 3 6
HALE	26	1825	1833	1829	S27	W51	.820	10103	22.9	8	-N	2	C	1829	.21	.40			
SACP	26	1826	1833	1831	S28	W52	.832	10103	22.9	7	-F		C		.32	.44			
MCMA	26	1829	1833	1831	S29	W54	.851	10103	22.7	4	-N		C	1831	.26	.40			D
GRP23172	26	1908	1927	1911	N09	W30	.525	10109	24.5	19	--N				.67				3 3 3 4
HALE	26	1907	1928	1910	N09	W30	.525	10109	24.5	21	-F	2	C	1910	.77	.90			
MCMA	26	1908	1927	1913	N10	W31	.543	10109	24.5	19	-N		C	1913	.62	.70			EH
SACP	26	1909	1925	1911	N09	W30	.525	10109	24.5	16	-N		C		.63	.66			
GRP23173	26	1934	1946	1937	N08	E76	.972	10116	1.5	12	-N				.50				3 3 2 4
SACP	26	1933	1945	1938	N10	E76	.972	10116	1.5	12	-N		C		.42	.97			
MCMA	26	1934	1945	1936	N07	E77	.975	10116	1.6	11	-N		C	1936					D
HALE	26	1935	1947	1938	N08	E75	.968	10116	1.4	12	1N	2	C	1938	.57				
GRP23175	26	2017	2042	2023	N08	E76	.972	10116	1.5	25	1N				.77				5 5 5 5
HALE	26	2015	2048	2023	N08	E75	.968	10116	1.5	33	1N	2	C	2023	.83				F
SACP	26	2016	2040	2020	N09	E76	.972	10116	1.5	24	-N		C		.74	1.73			
MCMA	26	2016	2044	2025	N07	E77	.975	10116	1.6	28	1N		C	2025	.77	3.00			E
HOUT	26	2020	2035	2025U	N08	E76	.972	10116	1.5	15	-N		C		.70	2.00			
BOUL	26	2020U	2030U	2023U	N09	E78	.980	10116	1.7	10D	1N		C		.80	2.40			
GRP23176	26	2056	2110	2100	S28	W54	.848	10103	22.8	14	--F				.62				2 2 2 5
HALE	26	2055	2115	2100	S28	W53	.840	10103	22.9	20	-F	2	C	2100	.83	1.50			
MCMA	26	2057	2105	2059	S28	W54	.848	10103	22.8	8	-N		C	2059	.41	.70			E
GRP23179	26	2249	2259	2252	S15	W61	.880	10099	22.4	10	--B				.29				2 2 2 4
MCMA	26	2249	2257	2252	S15	W61	.880	10099	22.4	8	-B		C	2252	.26	.60			DL
HALE	26	2249	2301	2251	S15	W61	.880	10099	22.4	12	-N	2	C	2251	.31	.60			
GRP23180	26	2343	2353	2347	S16	W52	.801	10099	23.1	10	--N				.34				2 2 2 4
HALE	26	2341	2352	2347	S15	W52	.799	10099	23.1	11	-N	2	C	2347	.36	.60			
SACP	26	2345	2353	2346	S16	W52	.801	10099	23.1	8	-N		C		.32	.42			
	26	2359	0002	NO FLARE PATROL															
181 SACP	27	0017	0032	0021	N18	E87	.999	10116	2.5	15	-N		C		.32				3
GRP23182	27	0049	0125	0055	N13	W08	.281	10109	26.4	36	1N				4.75				4 4 3 4
SACP	27	0046	0154	0056	N13	W09	.290	10109	26.4	68	2N		C		7.30	7.20			
HALE	27	0051	0110	0054	N13	W09	.290	10109	26.4	19	1N	2	C	0054	4.38	4.60			HL
MANI	27	0054E	0056D		N14	W04	.272	10109	26.7	2D	1B	1		0056	2.58	2.68			
SIBE	27	0055E	0111		N12	W10	.286	10109	26.3	16D	-F		V						E
183 SACP	27	0051	0116	0056	S24	W59	.878	10103	22.6	25	-N		C		.95	1.44			4
185 SACP	27	0127	0152D	0134	N20	E08	.386	10109	27.7	25D	--F	8	C		.42	.43			2
GRP23187	27	0215	0242	0217	S18	W60	.876	10099	22.6	27	-N				.73				2 2 2 4
HALE	27	0215	0241D	0217	S19	W57	.853	10099	22.8	26D	-N	2	P	0217	.93	1.80			
MANI	27	0219E	0242D		S16	W63	.897	10099	22.4	23D	-N	1		0222	.52	1.20			
GRP23188	27	0223	0243	0227	N10	W35	.597	10109	24.5	20	--F				1.02				3 3 3 4
HALE	27	0220	0254	0225	N10	W35	.597	10109	24.5	34	-F	2	C	0225	1.24	1.50			
CRON	27	0226	0234	0228U	N11	W35	.601	10109	24.5	8	-N		C		1.40	1.80			H
MANI	27	0231E	0242D		N10	W36	.610	10109	24.4	11D	-F	1		0231	.41	.52			
GRP23189	27	0240	0248	0242	S13	W39	.647	10108	24.2	8	-N				.97				2 2 2 4
HALE	27	0239	0241D		S12	W38	.632	10108	24.3	2D	-N	1	P	0239	.93	1.20			
CRON	27	0240	0248	0242	S14	W40	.663	10108	24.1	8	-N		C		1.00	1.40			

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23192	27	0707	0731	0713	N03	E72	.952	10116	1.7	24	-N				1.27				5 5 4 12
ISTA	27	0550E	0730		N04	E77	.975	10116	2.0	100D	-F	8							
CRON	27	0700	0722	0710	N04	E70	.941	10116	1.5	22	-N	8	C		.50	1.20			
WEND	27	0705E	0756D		N03	E72	.952	10116	1.7	51D	1N	8	V		3.09				
ZURI	27	0709	0715	0711	N03	E68	.928	10116	1.4	6	1N	8	C	0711	.85				
MANI	27	0715	0733	0718	N03	E72	.952	10116	1.7	18	-F	2		0718	.62	1.37			
GRP23193	27	0717	0819	0807	S20	W64	.908	10103	22.5	62	--F				.41				3 2 1 12
ISTA	27	0717	0822D		S18	W65	.913	10103	22.4	65D	-N								
WEND	27	0717	0756D		S25	W61	.894	10103	22.7	39D	1N		V		3.09				
MANI	27	0804	0816	0807	S18	W66	.919	10103	22.4	12	-F	2		0807	.41	.84			
GRP23196	27	1032	1045	1035	S19	W69	.938	10103	22.3	13	-N				1.79				3 3 3 8
ZURI	27	1028	1036	1031	S19	W70	.944	10103	22.2	8	-F		C	1031	.53				
ABST	27	1035	1145	1038	S20	W68	.933	10103	22.3	70	-N		C	1038	.72			65	DK
WEND	27	1036E	1053D		S18	W69	.938	10103	22.3	17D	1N		V		4.13				
8 STATIONS REPORTING GROUP 23199. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23199	27	1225	1255	1231	N12	W23	.445	10109	25.8	30	-N				1.40				5 5 5 8
MCMA	27	1219	1258	1230	N12	W25	.472	10109	25.6	39	-N		C	1230	.72	.80			EH
CAPE	27	1220	1300	1227	N13	W25	.479	10109	25.6	40	-F		C	1227	1.01	1.10			
ZURI	27	1230	1245	1235	N12	W24	.459	10109	25.7	15	-F		C	1235	1.26	1.40			
WEND	27	1230E	1258D		N12	W16	.354	10109	26.3	28D	1N		V		3.09				
CAPS	27	1238E	1254D		N12	W25	.472	10109	25.7	16D	-N	1	V	1238	.90	1.00			
23199	27	1230	1256	1245	N12	W21	.418	10109	25.9	26	*1F				.74				3 3 1 10
KHAR	27	1230E	1255D		N12	W25	.472	10109	25.6	25D	2F		P						
HURB	27	1240E	1256		N11	W12	.295	10109	26.6	16D	1F						2.00		
SACP	27	1245E	1245D	1245U	N12	W25	.472	10109	25.7		-N		C		.74	.76			
GRP23200	27	1524	1530	1525	S23	W64	.911	10103	22.8	6	--N				.40				4 4 2 7
SANM	27	1523	1530	1524	S20	W65	.914	10103	22.8	7	-B		C		.48	1.15			D
ONDR	27	1524	1530	1525	S21	W66	.922	10103	22.7	6	-N		V	1525			1.90		CDJ
MCMA	27	1524	1529	1525	S24	W67	.931	10103	22.6	5	-N		C	1525	.31	.70			D
HURB	27	1525E	1528D		S25	W58	.872	10103	23.3	3D	-N						2.00		
GRP23201	27	1643	1702	1646	S20	W69	.939	10103	22.5	19	-N				.61				6 6 4 7
SACP	27	1641	1658	1646	S20	W70	.944	10103	22.4	17	-N		C		.73	1.43			
HALE	27	1642	1658	1645	S18	W68	.932	10103	22.6	16	-N	2	C	1645	.62				
ONDR	27	1644E	1652		S18	W70	.943	10103	22.4	8D	-F		V	1647			1.50		CDJ
SANM	27	1644	1722	1647	S18	W73	.959	10103	22.2	38	-B		C		.48				E
CAPS	27	1645E	1659D		S10	W66	.915	10103	22.7	14D	-N	2	V	1645	.60			171	
HURB	27	1645E	1658		S24	W62	.899	10103	23.0	13D	1B						2.20		
GRP23202	27	1727	1754	1733	S22	W50	.797	10108	24.0	27	--F				.82				3 3 3 6
SACP	27	1725	1758	1730	S23	W50	.800	10108	24.0	33	-F		C		1.05	1.38			
MCMA	27	1728	1750	1732	S22	W50	.797	10108	24.0	22	-F		C	1732	.62	.90			E
SANM	27	1729	1755	1736	S20	W50	.791	10108	24.0	26	-F		C		.80	1.30			E
GRP23203	27	1739	1750	1743	N11	W21	.410	10109	26.2	11	--N				.57				4 4 4 6
SACP	27	1737	1754	1744	N10	W19	.375	10109	26.3	17	-N		C		.85	.84			
HALE	27	1738	1747	1740	N10	W18	.361	10109	26.4	9	-N	2	C	1740	.41	.40			
MCMA	27	1740	1750	1743	N12	W27	.499	10109	25.7	10	-N		C	1743	.52	.60			EH
SANM	27	1740	1748	1744	N10	W20	.389	10109	26.2	8	-B		C		.48	.50			E
205 MCMA	27	2013	2035D	2016	S19	W77	.976	10103	22.1	22D	--N		C	2016	.36	1.50			3
206 MCMA	27	2029	2035D	2031	N09	E64	.903	10116	1.7	6D	--F		C	2031	.26	.60			D 3
207 SACP	27	2118	2143	2125	N05	E61	.877	10116	1.5	25	--N		C		.42	.64			3
208 MCMA	27	2130E	2146D		S19	W77	.976	10103	22.1	16D	--N		C	2135	.36	1.50			3
209 SACP	27	2140	2152D	2147	N10	E53	.808	10116	31.9	12D	--F	8	C		.63	.84			3
	27	2358	0005	NO FLARE PATROL															
GRP23210	28	0206	0220	0208	N06	E57	.842	10116	1.4	14	--F				.86				2 2 2 4
MANI	28	0205	0212D	0208	N04	E58	.850	10116	1.4	7D	-F	1		0208	.52	.93			
CRON	28	0206	0220	0208	N07	E56	.834	10116	1.3	14	1F		C		1.20	2.20			
212 HALE	28	0255	0302	0257	N07	E52	.794	10116	1.0	7	--N	2	C	0257	.15	.30			4
GRP23218	28	0453	0513	0459	N08	E50	.774	10116	1.0	20	-F				1.95				2 2 2 6
CRON	28	0452	0507	0458	N08	E49	.763	10116	31.9	15	-N		C		1.20	1.80			E
ABST	28	0453	0518D	0459	N08	E51	.784	10116	1.0	25D	1F		C	0459	2.70	4.30		47	F

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23220	28	0553	0607	0557	N10	W57	.846	10109	24.0	14	--F				.57				3 3 3 9
MANI	28	0551	0612	0555	N10	W57	.846	10109	24.0	21	-F	2		0555	.31	.52			
HTPR	28	0554	0605	0559	N11	W56	.838	10109	24.0	11	-F		C	0559	.41	.60			
CAPS	28	0555	0605	0558	N10	W58	.855	10109	23.9	10	-N	4	V	0558	1.00	2.00		189	
GRP23222	28	0626	0642	0630	N08	W50	.774	10109	24.5	16	-N				1.21				6 6 5 9
ABST	28	0626	0644	0627	N08	W48	.752	10109	24.7	18	1N		C	0627	1.35	2.00		64	F
HTPR	28	0626	0638	0628	N07	W50	.772	10109	24.5	12	-F		C	0628	.62	.90			
HURB	28	0626	0636		N08	W53	.805	10109	24.3	10	1N						1.80		
CAPS	28	0627	0641	0630	N07	W50	.772	10109	24.5	14	-B	4	P	0630	.70	1.10		228	
WEND	28	0627E	0645		N08	W50	.774	10109	24.5	18D	1N		V		3.09				
CATA	28	0635E	0650	0635	N08	W49	.763	10109	24.6	15D	-B			0635	.29	.45		251	
GRP23223	28	0738	0808	0746	N10	W56	.837	10109	24.1	30	-N				.99				10 10 8 12
ISTA	28	0735	0810		N11	W52	.800	10109	24.4	35	-N								
ZURI	28	0736	0806	0746	N10	W58	.855	10109	24.0	30	-N		C	0746	.73	1.30			
HTPR	28	0737	0805	0752	N11	W56	.838	10109	24.1	28	-F		C	0752	.83	1.40			
CAPS	28	0738	0804		N09	W58	.854	10109	24.0	26	-B	4	P	0740	.50	1.00		204	
WEND	28	0738E	0806		N11	W53	.810	10109	24.3	28D	1N		V		3.09				
MANI	28	0739E	0816	0749	N10	W57	.846	10109	24.0	37D	-N	2		0749	.67	1.16			
ARCE	28	0739	0809	0740	N10	W57	.846	10109	24.0	30	-B		C	0740	.84	1.60			
CATA	28	0740	0805	0745	N12	W55	.831	10109	24.2	25	-B			0745	.63	1.14		316	T
HURB	28	0741E	0803D		N09	W55	.826	10109	24.2	22D	-F						1.80		
MEUD	28	0750E	0750D		N11	W57	.848	10109	24.1		-N		C	0750	.62	1.10			E
MEUD	28	0754E	0800D		N11	W57	.848	10109	24.1	6D	-N		C	0754	.62	1.10			E
GRP23224	28	0808	0820	0810	N05	E55	.822	10116	1.5	12	--F				.55				5 5 3 15
ISTA	28	0805E	0820		N06	E51	.782	10116	1.2	15D	-N								
MANI	28	0808	0826	0810	N04	E55	.821	10116	1.5	18	-F	2		0810	.52	.89			
HTPR	28	0808	0816	0809	N03	E56	.830	10116	1.5	8	-F		C	0816	.62	1.10			
CAPS	28	0809	0819		N04	E56	.831	10116	1.5	10	-N	4	P	0812	.50	1.00		164	
HURB	28	0809E	0815D		N06	E56	.833	10116	1.5	6D	-F						1.60		
GRP23228	28	0918	0926	0921	N11	W58	.856	10109	24.0	8	--F				.56				3 3 3 12
HTPR	28	0917	0922	0919	N11	W58	.856	10109	24.0	5	-F		C	0919	.41	.80			
ZURI	28	0918	0929	0922	N11	W59	.865	10109	24.0	11	-N		C	0922	.95	1.80			
MEUD	28	0923E	0928D		N11	W58	.856	10109	24.0	5D	-F		C	0923	.31	.60			D
GRP23229	28	0956	1030	1008	N11	W58	.856	10109	24.1	34	--F				.57				5 5 5 12
BUCA	28	0940	1033	1006	N10	W56	.837	10109	24.2	53	-F		C	1006	.73	1.30			
ARCE	28	0952	1024	1011	N11	W59	.865	10109	24.0	32	-F		C	1011	.35	.70			
ZURI	28	0956	1032	1008	N11	W59	.865	10109	24.0	36	-N		C	1008	.99	1.90			
HTPR	28	1000	1019D		N11	W58	.856	10109	24.1	19D	-F		C	1011	.41	.80			
MEUD	28	1004E	1030		N10	W59	.864	10109	24.0	26D	-F		C	1004	.36	.70			
GRP23230	28	1038	1108	1047	N10	W57	.846	10109	24.2	30	1N				1.47				11 11 10 13
UCCL	28	1020E	1058D	1050	N08	W57	.844	10109	24.2	38D	1N		P	1050	1.55				D
WEND	28	1032E	1115D		N12	W54	.821	10109	24.4	43D	1N		V		4.13				
CAPE	28	1038	1115	1046	N12	W58	.858	10109	24.1	37	1N		C	1046	1.06	2.10			
ZURI	28	1038	1110	1046	N11	W59	.865	10109	24.0	32	1N		C	1046	1.74	3.40			
MEUD	28	1038	1044D		N11	W59	.865	10109	24.0	6D	-N		C	1042	1.03	1.90			E
BUCA	28	1040	1106	1049	N10	W57	.846	10109	24.2	26	-F		C	1049	1.14	2.00			
CATA	28	1040	1130	1045	N12	W56	.840	10109	24.2	50	1B			1045	1.22	2.24		347	T
ARCE	28	1041	1102	1043	N10	W59	.864	10109	24.0	21	-B		C	1043	.84	1.70			
HURB	28	1043E	1103		N08	W55	.825	10109	24.3	20D	1B						2.20		
CANR	28	1045E	1058	1046	N11	W58	.856	10109	24.1	13D	-N		C		1.00	1.90			
HERS	28	1048E	1057D	1048	N07	W52	.794	10109	24.5	9D	-N		S	1048	.98	1.60			D
MEUD	28	1049E	1059D		N11	W59	.865	10109	24.0	10D	-N		C	1049	.72	1.30			
GRP23231	28	1212	1234	1221	N10	W60	.872	10109	24.0	22	-N				1.07				7 7 6 11
CAPE	28	1210	1240	1221	N12	W60	.875	10109	24.0	30	-N		C	1221	.92	1.90			
CATA	28	1210E	1230	1220	N11	W59	.865	10109	24.1	20D	1B			1220	1.09	2.20		295	T
MONT	28	1213	1230	1218	N10	W60	.872	10109	24.0	17	-N		C	1218	2.06				
HURB	28	1214	1230		N08	W58	.853	10109	24.2	16	1N						1.60		
CAPS	28	1217E	1240		N10	W60	.872	10109	24.0	23D	-N	4	P	1218	1.00	2.00		176	C
MCMA	28	1217E	1224D		N10	W60	.872	10109	24.0	7D	-N		P	1223	.72	1.50			E
SACP	28	1218U	1232	1224U	N11	W60	.874	10109	24.0	14D	-N		C		.65	.97			
GRP23235	28	1248	1321	1259	N10	W59	.864	10109	24.1	33	1B				2.90				10 10 9 13
MCMA	28	1240	1335	1258	N10	W60	.872	10109	24.0	55	1B	8	C	1258	1.75	3.50			FV
MONT	28	1241	1315	1259	N10	W60	.872	10109	24.0	34	1N	8	C	1259	3.40				
CATA	28	1245	1315	1255	N12	W59	.866	10109	24.1	30	2B	8		1255	2.61	5.22		389	T
BOUL	28	1246U	1320U	1257U	N11	W58	.856	10109	24.2	34D	1B	8	C		2.20	4.20			E
HURB	28	1249	1316		N08	W58	.853	10109	24.2	27	2B	8					4.50		
WEND	28	1250E	1332		N12	W56	.840	10109	24.3	42D	2B	8	P		7.22				
CAPE	28	1254	1325	1300	N12	W60	.875	10109	24.0	31	1B	8	C	1300	1.10	2.30			V
SACP	28	1255	1320	1259	N10	W59	.864	10109	24.1	25	1B	8	C		2.75	4.10			
CAPS	28	1256E	1315		N10	W60	.872	10109	24.0	19D	2B	4	P	1258	3.00	6.00		339	CJ
UCCL	28	1257E	1306D	1306	N08	W57	.844	10109	24.3	9D	1B	8	P	1306	2.06				D

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
23235	28	1313	1326	1313	N09	W60	.871	10109	24.1	13	*1B				1.24				2 2 1 11
HERS	28	1313E	1326D	1313	N09	W60	.871	10109	24.1	13D	1N	8	V	1316	1.24	2.20			D
HURB	28	1315E	1325		N09	W59	.863	10109	24.1	10D	1B	8					5.00		
GRP23239	28	1413	1432	1417	N11	W62	.890	10109	23.9	19	-B				.75				4 4 4 10
MCMA	28	1410	1445	1417	N11	W62	.890	10109	23.9	35	-B	8	C	1417	.52	1.30			EHV
CAPS	28	1413	1427		N10	W60	.872	10109	24.1	14	-B	4	V	1418	1.00	2.00		220	H
SACP	28	1414	1432	1417	N10	W63	.896	10109	23.9	18	-N	8	C		.63	1.01			
CAPE	28	1415	1422	1417	N11	W62	.890	10109	23.9	7	-N	8	C	1417	.84	1.90			H
GRP23240	28	1417	1447	1425	S21	W84	.994	10103	22.3	30	-N				2.49				4 4 2 10
SACP	28	1417	1450	1426	S21	W85	.996	10103	22.2	33	-N		C		.85				
WEND	28	1417	1444		S20	W83	.993	10103	22.4	27	1N		V		4.13				
MCMA	28	1418	1435	1424	S21	W88	.999	10103	22.0	17	-N		C	1424					D
CAPS	28	1422E	1445D		S20	W80	.985	10103	22.6	23D	-N	4	V						C
MCMA	28	1441	1448	1442	S21	W88	.999	10103	22.0	7	-N		C	1442					D
GRP23242	28	1440	1449	1441	N12	W31	.552	10109	26.3	9	--N				.34				3 3 3 10
SACP	28	1438	1451	1441	N12	W31	.552	10109	26.3	13	-N	8	C		.32	.34			
MCMA	28	1440	1448	1441	N12	W32	.565	10109	26.2	8	-N	8	C	1441	.41	.50			E
CAPS	28	1442	1447		N12	W30	.538	10109	26.4	5	-N	4	V	1443	.30	.30			E
GRP23243	28	1502	1513	1503	N07	E49	.761	10116	1.3	11	--F				.78				5 5 3 9
SACP	28	1459	1514	1503	N07	E50	.772	10116	1.4	15	-N		C		.73	.94			
MCMA	28	1500	1518	1502	N06	E50	.771	10116	1.4	18	-N		C	1502	.41	.70			EH
CAPS	28	1503E	1513D		N07	E51	.783	10116	1.5	10D	-F	3	V	1504	1.20	1.90		155	C
HURB	28	1504	1509		N09	E45	.719	10116	1.0	5	1F						1.70		
ONDR	28	1505E	1511		N06	E51	.782	10116	1.5	6D	1F		V	1507			2.00		CH
GRP23246	28	1549	1615	1556	N11	W30	.533	10109	26.4	26	-N				.85				4 4 4 9
MONT	28	1449	1600D	1555	N14	W31	.563	10109	26.3	71D	-N	8	C	1555	.31				
SACP	28	1548	1613U	1553	N10	W29	.514	10109	26.5	25D	-N	8	C		1.17	1.21			
CANR	28	1549	1611	1557	N11	W31	.547	10109	26.3	22	-N	8	C		1.10	1.60			
MCMA	28	1550	1620	1557	N10	W30	.528	10109	26.4	30	-N	8	C	1557	.83	1.00			EH
250 MCMA	28	1920	1924	1922	S21	W89	1.000	10103	22.1	4	-N		C	1922					D 5
GRP23251	28	1942	2000	1944	N10	E41	.673	10116	31.9	18	--N				.47				2 2 2 3
HALE	28	1941	2004	1943	N11	E41	.676	10116	31.9	23	-N	1	C	1943	.52	.70			
MCMA	28	1942	1955	1944	N09	E41	.670	10116	31.9	13	-N		C	1944	.41	.50			E
GRP23252	28	2107	2124	2111	N07	W33	.558	10109	26.4	17	--N				.42				3 3 3 4
HALE	28	2105	2126	2110	N09	W33	.565	10109	26.4	21	-N	1	C	2110	.31	.40			
MCMA	28	2107	2125	2111	N05	W33	.552	10109	26.4	18	-N		C	2111	.31	.40			EL
SACP	28	2108	2121	2111	N07	W34	.572	10109	26.3	13	-F		C		.64	.68			
GRP23253	28	2133	2216	2144	N08	W34	.575	10109	26.3	43	-N				.87				3 3 3 4
MCMA	28	2132	2210		N05	W33	.552	10109	26.4	38	-N		C	2143	.72	.90			EL
SACP	28	2134	2208	2144	N09	W35	.592	10109	26.3	34	-N		C		1.59	1.71			
HALE	28	2141E	2229		N09	W33	.565	10109	26.4	48D	-N	1	C	2141	.31	.40			
GRP23254	28	2256	2316	2259	N12	W34	.591	10109	26.4	20	-N				.81				4 4 4 4
MANI	28	2255	2310	2259	N13	W35	.609	10109	26.3	15	-N	2		2259	.52	.69			
HALE	28	2255	2335	2258	N15	W33	.594	10109	26.5	40	-N	1	C	2258	.83	1.00			F
MCMA	28	2257	2310D	2259	N06	W34	.569	10109	26.4	13D	-B		C	2259	.72	.90			E
SACP	28	2257	2310	2259	N13	W34	.596	10109	26.4	13	-N		C		1.16	1.26			
GRP23255	28	2312	2353	2320	N11	W63	.897	10109	24.2	41	1N				.90				3 3 3 3
HALE	28	2310	2358D	2324	N12	W63	.898	10109	24.2	48D	1N	1	P	2324	1.03				
MANI	28	2313	2345	2315	N12	W65	.913	10109	24.1	32	1N	2		2315	1.13	2.31			
SACP	28	2314	2341	2320	N10	W64	.904	10109	24.2	27	-N		C		.53	.88			
SACP	28	2348	2357D	2352U	N07	W59	.861	10109	24.6	9D	-F		C		.32	.46			
GRP23256	29	0020	0046	0022	N11	W64	.904	10109	24.2	26	1B				1.90				4 4 4 4
CRON	29	0020	0035	0022	N12	W63	.898	10109	24.3	15	1B		C		1.80	3.80			
HALE	29	0021E	0054		N11	W64	.904	10109	24.2	33D	1B	3	P	0021	1.96				
SACP	29	0021D	0047	0022U	N10	W65	.911	10109	24.1	26D	1B		C		1.79	3.00			
MANI	29	0022E	0047		N11	W65	.912	10109	24.1	25D	1N	2		0024	2.06	4.14			
GRP23257	29	0022	0040	0025	S12	W90	1.000	10099	22.3	18	-N				.47				3 3 3 4
HALE	29	0022	0032	0023	S12	W90	1.000	10099	22.3	10	-B	3	C	0023	.67				
MANI	29	0022E	0035		S12	W90	1.000	10099	22.3	13D	-N	2		0024	.41	1.34			
SACP	29	0023U	0053	0027	S13	W90	1.000	10099	22.3	30D	-N		C		.32				
GRP23259	29	0151	0213	0154	N14	W80	.986	10109	23.1	22	1N				.92				3 3 3 4
HALE	29	0135	0220	0155	N14	W80	.986	10109	23.1	45	1N	2	C	0155	1.03				
MANI	29	0150	0211D	0154	N12	W76	.973	10109	23.4	21D	-F	2		0154	1.03	2.44			
CRON	29	0152	0207	0154	N16	W85	.997	10109	22.7	15	1N		C		.70	2.30			

SOLAR FLARES
Confirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23261	29	0405	0439	0412	N12	W66	.919	10109	24.2	34	1B				2.19				4 4 4 4
MANI	29	0402	0443	0414	N10	W63	.896	10109	24.4	41	1B	2		0414	2.58	5.00			
KODA	29	0406	0415D	0411	N12	W68	.932	10109	24.1	9D	2N		S	0407	1.93		3.60		E
CRON	29	0406	0430	0410	N12	W67	.926	10109	24.1	24	1N		C		2.30	5.10			H
HALE	29	0407E	0443		N12	W67	.926	10109	24.1	36D	1B	2	P	0407	1.96				
GRP23266	29	0829	0857	0846	S15	W75	.967	10108	23.7	28	1N				1.22				10 10 9 11
BUCA	29	0754	0812		S17	W73	.959	10108	23.9	18	-F		C	0802	.32				
ISTA	29	0759	0853D	0843	S13	W72	.952	10108	23.9	54D	-N								
BUCA	29	0820	0920D	0844	S16	W74	.963	10108	23.8	60D	-N		C	0844	.81				
ARCE	29	0824E	0852	0845	S15	W75	.967	10108	23.7	28D	1N		C	0845	1.19	3.20			H
MONT	29	0825E	0847D	0847	S15	W79	.982	10108	23.4	22D	1B		C	0845	2.27				
HTPR	29	0830	0849D	0846	S15	W76	.971	10108	23.7	19D	1B		C	0846	1.03				H
ABST	29	0833	0935	0845	S16	W78	.979	10108	23.5	62	2B		C	0845	1.35			86	DK
CAPS	29	0836	0850D		S14	W75	.967	10108	23.7	14D	1B	1	P	0847	2.00			216	H
HERS	29	0838E	0902D	0848	S16	W73	.958	10108	23.9	24D	1N		V	0856	.77	2.70			DH
CAPE	29	0840	0855	0846	S14	W75	.967	10108	23.7	15	-N		C	0846	.92				
CANR	29	0844	0850	0846	S15	W74	.963	10108	23.8	6	-N		C		.60	1.70			
GRP23269	29	1031	1039	1033	N11	W43	.700	10109	26.2	8	--F				1.36				3 3 3 7
ZURI	29	1030	1040	1033	N11	W45	.723	10109	26.1	10	-N		C	1033	1.22	1.70			
MONT	29	1031	1040	1033	N10	W43	.697	10109	26.2	9	-F		C	1033	2.06				
CAPS	29	1032	1038		N12	W41	.679	10109	26.4	6	-F	2	V	1032	.80	1.00		151	
GRP23270	29	1044	1056	1049	N07	E40	.652	10116	1.4	12	--N				.74				3 3 3 7
ZURI	29	1044	1051	1047	N07	E39	.639	10116	1.4	7	-N		C	1047	1.05	1.40			
CAPS	29	1046E	1052D		N07	E40	.652	10116	1.4	6D	-F	2	V	1046	.60	.80		145	
CATA	29	1050E	1105D	1050	N08	E40	.655	10116	1.5	15D	-N			1050	.58	.78		176	
GRP23271	29	1111	1135	1118	S14	W78	.979	10108	23.6	24	-B				.63				3 3 2 6
MCMA	29	1111	1128D	1116	S16	W80	.985	10108	23.5	17D	1B		C	1116					E
CAPS	29	1113E	1122D		S15	W78	.979	10108	23.6	9D	-B	2	P	1113	.50			250	CW
CATA	29	1120E	1135D	1120	S12	W77	.975	10108	23.7	15D	-B			1120	.75			234	Z
GRP23272	29	1129	1146	1139	S15	W77	.975	10108	23.7	17	-B				.97				5 4 3 8
MCMA	29	1128	1151	1137	S16	W80	.985	10108	23.5	23	1B			1137					EH
CAPE	29	1130	1146	1138	S13	W76	.971	10108	23.8	16	-B		C	1138	1.01				
CAPS	29	1135E	1145D	1140	S15	W78	.979	10108	23.6	10D	1N	2	V	1140	1.30			190	H
CANR	29	1137E	1141	1139	S15	W74	.963	10108	23.9	4D	-N		C		.60	1.70			
CAPF	29	1148E	1210D		S16	W77	.975	10108	23.7	22D	1N		P	1152	.62				A
GRP23277	29	1330	1335	1331	S16	W78	.979	10108	23.7	5	-N				.55				3 3 2 9
SACP	29	1330	1337	1331	S16	W77	.975	10108	23.8	7	-N		C		.42	1.04			
MCMA	29	1330	1335	1331	S16	W81	.988	10108	23.5	5	-N		C	1331					D
ZURI	29	1330	1333	1331	S15	W75	.967	10108	23.9	3	1N		C	1331	.67				
GRP23280	29	1422	1430	1423	S15	W78	.979	10108	23.7	8	1N				.79				7 7 6 10
CANR	29	1421	1427	1423	S14	W80	.985	10108	23.6	6	-N		C		.60	1.70			
MCMA	29	1421	1433	1423	S16	W81	.988	10108	23.5	12	-B		C	1423					D
CAPS	29	1421E	1430D		S15	W78	.979	10108	23.7	9D	1N	3	V	1424	1.00			190	
SACP	29	1421	1431	1424	S16	W79	.982	10108	23.7	10	-N		C		.63				
CAPF	29	1422E	1432		S16	W77	.975	10108	23.8	10D	1N		P	1426	.83				
ZURI	29	1422	1427	1423	S14	W75	.967	10108	24.0	5	1B		C	1423	.89				
HERS	29	1423	1431	1424	S16	W76	.971	10108	23.9	8	1N		V	1426	.77	3.10			DH
GRP23281	29	1440	1522	1456	N11	W73	.959	10109	24.1	42	1B				1.67				6 6 5 8
ZURI	29	1417	1513D	1455	N11	W71	.949	10109	24.3	56D	2B	8	C	1455	2.73				
MCMA	29	1435	1540	1453	N11	W73	.959	10109	24.1	65	1B	8	C	1453	.62	2.40			EL
SACP	29	1442	1516U	1454	N10	W74	.963	10109	24.1	34D	1N	8	C		1.90	4.10			
CAPS	29	1443	1516		N12	W73	.959	10109	24.1	33	1B	3	P	1456	2.00			212	
NERA	29	1452	1458		N12	W85	.997	10109	23.2	6	1B	3							
CANR	29	1500E	1515	1500E	N11	W73	.959	10109	24.1	15D	1N	8	C		1.10	2.90			
283 NERA	29	1452	1458		N12	W85	.997	10109	23.2	6	1B	3							7
GRP23288	29	1704	1728	1708	S15	W75	.967	10108	24.1	24	-N				.77				3 2 1 5
MCMA	29	1702	1720	1707	S16	W81	.988	10108	23.6	18	-N		C	1707					DH
ZURI	29	1706	1724	1709	S16	W75	.967	10108	24.1	18	1N		C	1709	.77				
WEND	29	1720E	1739		S12	W70	.941	10108	24.5	19D	1N		V		3.09				
GRP23289	29	1718	1745	1722	N11	W73	.959	10109	24.2	27	-N				.97				2 2 2 5
ZURI	29	1718	1740	1722	N10	W71	.948	10109	24.4	22	1N		C	1722	1.52				
MCMA	29	1718	1750		N11	W75	.968	10109	24.1	32	-N		C	1730	.41	1.60			EK
GRP23290	29	1723	1759	1743	S15	W79	.982	10108	23.8	36	1N				1.93				3 3 2 5
WEND	29	1714E	1802D		S14	W81	.988	10108	23.6	48D	1N	8	V		3.09				
MCMA	29	1725	1800		S16	W81	.988	10108	23.7	35	-B	8	C	1750					DKV
ZURI	29	1731	1754	1743	S15	W75	.967	10108	24.1	23	1N	8	C	1743	.77				

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
293 MCMA	29	1841	1903	1851	N12	W76	.973	10109	24.1	22	-N		C	1851					E 3
GRP23294	29	1931	1943	1935	S16	W82	.990	10108	23.7	12	-N				.42				2 2 1 3
MCMA	29	1931	1942	1933	S16	W82	.990	10108	23.7	11	-N		C	1933					D
SACP	29	1937D	1943	1937U	S16	W81	.988	10108	23.7	6D	-N		C		.42				
GRP23295	29	1939	2010	1944	N10	W76	.972	10109	24.1	31	1B				1.22				3 3 3 3
SACP	29	1938	2002D	1944	N09	W77	.976	10109	24.0	24D	1B		C		1.59	3.77			
MCMA	29	1939	2013D	1944	N12	W76	.973	10109	24.1	34D	1B		C	1944	.52	2.10			E
HALE	29	1939	2007	1945	N10	W75	.968	10109	24.2	28	1B	2	C	1945	1.55				
296 SACP	29	1954	2000	1956	N09	E27	.480	10116	31.9	6	--F		C		.42	.43			3
GRP23297	29	2205	2355	2208	N11	W79	.983	10109	24.0	110	-B				.73				3 2 2 4
SACP	29	2205	2228D	2208	N09	W79	.983	10109	24.0	23D	-N		C		.63				
CULG	29	2206E	2355D		N12	W78	.980	10109	24.1	109D	1B		P	2206	.83				
MANI	29	2229E	2300		N11	W76	.972	10109	24.2	31D	-F	2		2240	.83	2.00			
GRP23298	29	2240	2358	2353	S15	W83	.992	10108	23.7	78	-N				.46				3 3 3 4
CULG	29	2240	2355D		S13	W80	.985	10108	23.9	75D	1F		P	2355	.72				
MANI	29	2254E	2302		S15	W80	.985	10108	24.0	8D	-F	2		2255	.41	1.06			
HALE	29	2350	2358	2353	S16	W90	1.000	10108	23.2	8	-B	3	C	2353	.26				
MANI	29	2352E	2357	2353	S15	W80	.985	10108	24.0	5D	-N	2		2353	.41	1.06			
GRP23301	30	0040	0048	0043	S13	W79	.982	10108	24.1	8	-B				.52				3 2 2 4
MANI	30	0040	0050	0044	S13	W80	.985	10108	24.0	10	-N	1		0044	.62	1.60			
HALE	30	0040	0046	0042	S13	W77	.975	10108	24.3	6	-B	1	C	0042	.41				
CRON	30	0041	0047	0043	S14	W90	1.000	10108	23.3	6	1N		C		.60	2.40			
GRP23302	30	0125	0133	0127	N10	E24	.443	10116	31.9	8	-N				1.07				2 2 2 2
CRON	30	0125	0130	0127	N09	E24	.437	10116	31.9	5	-N		C		1.00	1.10			H
HALE	30	0125	0136	0126	N11	E24	.449	10116	31.9	11	-N	1	C	0126	1.13	1.30			V
GRP23303	30	0203	0219	0213	S14	W80	.985	10108	24.1	16	-N				.18				2 2 2 3
MANI	30	0157	0225	0159	S14	W82	.990	10108	23.9	28	-F	1		0159	.21	.53			
HALE	30	0208	0213	0209	S14	W78	.979	10108	24.2	5	-B	2	C	0209	.15				V
MANI	30	0212E	0225	0216	S14	W82	.990	10108	23.9	13D	-F	1		0216	.41	1.10			
GRP23304	30	0421	0428	0423	S16	W90	1.000	10108	23.4	7	-N				.70				2 2 2 5
ABST	30	0420	0430	0422	S16	W90	1.000	10108	23.4	10	1N		C	0422	.90			78	DH
CRON	30	0421	0425	0423	S15	W90	1.000	10108	23.4	4	-N		C		.50	2.00			H
6 STATIONS REPORTING GROUP 23306. 7 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23306	30	0725	0738	0729	S15	W88	.999	10108	23.7	13	-B				.35				2 2 2 11
MANI	30	0725E	0738	0730	S14	W85	.996	10108	23.9	13D	-N	1		0730	.41	1.20			
ARCE	30	0728E	0914	0728	S15	W90	1.000	10108	23.6	106D	-B		C	0728	.29	1.60			KH
23306	30	0604	0805	0635	S13	W81	.988	10108	24.2	121	*-N				.31				2 2 1 8
ISTA	30	0604	0805D	0633	S10	W81	.988	10108	24.2	121D	-N								
MANI	30	0630	0637D	0636	S16	W80	.985	10108	24.3	7D	-N	2		0636	.31	.80			
23306	30	0646	0845	0745	S16	W83	.993	10108	24.1	119	*-N				.32				4 2 2 12
BUCA	30	0646E	0845D		S17	W85	.996	10108	23.9	119D	-N		C	0706	.32				A
MANI	30	0653E	0704	0655	S16	W81	.988	10108	24.2	11D	-N	2		0655	.21	.50			
CAPF	30	0704E	0710D		S15	W80	.985	10108	24.3	6D	-N		P	0706	.31				H
CATA	30	0835E	0840D	0835	S17	W90	1.000	10108	23.6	5D	-N			0835	.14			191	
GRP23307	30	0610	0629	0613	N11	W83	.993	10109	24.0	19	1N				1.27				6 5 4 8
ISTA	30	0609	0622	0612	N10	W80	.986	10109	24.3	13	-N								
BUCA	30	0610	0650	0612	N10	W85	.997	10109	23.9	40	1N		C	0612	.98				A
CRON	30	0610	0622	0613	N11	W85	.997	10109	23.9	12	1N		C		.80	2.60			
CRIM	30	0611	0620	0613	N10	W85	.997	10109	23.9	9	1F		C	0613	2.70				E
CAPS	30	0612E	0622D		N12	W82	.991	10109	24.1	10D	-N	2	V	0614	.60				
MANI	30	0621E	0637D		N10	W80	.986	10109	24.3	16D	1N	2		0623	1.03	2.70			
CRON	30	0627	0653	0634	N11	W85	.997	10109	23.9	26	1N		C		.70	2.30			
GRP23312	30	0902	0928	(0904)	N11	W83	.993	10109	24.2	26	-N				.41				3 3 3 7
BUCA	30	0835E	0940D		N11	W86	.998	10109	23.9	65D	-F		C	0905	.32				A
MANI	30	0900E	0917		N10	W82	.991	10109	24.2	17D	-N	2		0902	.62	1.60			
CAPS	30	0904	0928D		N12	W82	.991	10109	24.2	24D	-N	2	V	0904	.30				
GRP23313	30	1025	1055	1035	S15	W90	1.000	10108	23.7	30	--B				.17				2 1 1 6
CATA	30	1025E	1055D	1035	S15	W90	1.000	10108	23.7	30D	-B			1035	.17			219	
CANR	30	1045	1115	1057	S18	W90	1.000	10108	23.7	30	-N		C		.30	1.20			HI

SOLAR FLARES
Confirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23317	30	1242	1301	1246	N11	W84	.995	10109	24.2	19	-B				.89				4 4 3 5
CAPE	30	1241	1300	1248	N11	W87	.999	10109	24.0	19	-F		C	1248	.92				
MCMA	30	1242	1300	1246	N12	W88	1.000	10109	23.9	18	-B		C	1246					E
SACP	30	1243	1303	1246	N10	W82	.991	10109	24.4	20	-B		C		.86				
CANR	30	1243	1300	1245	N09	W80	.986	10109	24.5	17	1B		C		.90	3.00			I
GRP23323	30	1727	1747	1729	N12	W90	1.000	10109	24.0	20	-B				.58				3 3 2 7
HALE	30	1726	1738	1728	N13	W90	1.000	10109	24.0	12	-B	3	C	1728	.41				
MCMA	30	1727	1805	1730	N12	W90	1.000	10109	24.0	38	-N		C	1730					
SACP	30	1727	1739	1730	N10	W90	1.000	10109	24.0	12	-B		C		.74				
GRP23324	30	1824	1847	1836	N12	W87	.999	10109	24.2	23	-B				.31				2 2 1 4
MCMA	30	1820	1850		N12	W90	1.000	10109	24.0	30	-N		C	1837					K
HALE	30	1828	1843	1836	N11	W83	.993	10109	24.5	15	-B	2	C	1836	.31				K
GRP23326	30	2107	2126	2113	N12	W90	1.000	10109	24.1	19	-N				.40				3 3 2 4
MCMA	30	2102	2125		N12	W90	1.000	10109	24.1	23	-N		C	2113					
HALE	30	2109	2126	2112	N13	W90	1.000	10109	24.1	17	-B	1	C	2112	.26				
SACP	30	2111	2127	2114	N11	W90	1.000	10109	24.1	16	-N		C		.53				
GRP23328	31	0601	0624	0604	N06	E15	.283	10116	1.4	23	-N				1.40				5 4 3 5
CRON	31	0600	0607	0603	N06	E15	.283	10116	1.4	7	-N		C		1.60	1.70			
ISTA	31	0600	0630		N05	E14	.261	10116	1.3	30	-N								
ABST	31	0601	0632	0604	N06	E15	.283	10116	1.4	31	-N		C	0604	1.80	1.90		59	E
CAPS	31	0603	0628		N06	E16	.298	10116	1.5	25	-N	3	V	0608	.80	.80		170	L
HTPR	31	0620E	0625		N07	E15	.290	10116	1.4	5D	-F		C	0623	.93	1.00			
GRP23329	31	1223	1253	1226	N07	E12	.247	10116	1.4	30	--F				.78				4 4 3 11
HTPR	31	1222	1255	1225	N07	E12	.247	10116	1.4	33	-F		C	1225	.52	.50			
MCMA	31	1224	1250	1227	N07	E11	.233	10116	1.3	26	-N		C	1227	.62	.70			E
CAPS	31	1225E	1247D		N06	E13	.253	10116	1.5	22D	-F	3	V	1226	1.20	1.20		142	CL
ONDR	31	1228E	1238D		N06	E13	.253	10116	1.5	10D	-F		V	1232			1.60		CD
GRP23331	31	1800	1807	1802	N07	E09	.206	10116	1.4	7	--F				.33				3 3 3 7
SANM	31	1759	1810	1802	N06	E09	.196	10116	1.4	11	-N		C		.17				E
SACP	31	1800	1805	1801	N07	E09	.206	10116	1.4	5	-F		C		.42	.42			
HTPR	31	1800	1805		N07	E09	.206	10116	1.4	5	-F		C	1801	.41	.40			

"Remarks":

A = Eruptive prominence, base at >90°.
B = Probably the end of a more important flare.
C = Invisible 10 minutes before.
D = Brilliant point.
E = Two or more brilliant points.
F = Several eruptive centers.
G = No spots visible in the neighborhood.
H = Flare with high velocity dark surge.
I = Very extensive active region.
J = Plage with flare shows marked intensity variations.
K = Several intensity maxima.
L = Filaments show effects of sudden activation.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the calcium II lines H or K.
P = Flare shows helium D_3 in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked asymmetry in Hα line.
S = Brightening follows disappearance of filament (same position).
T = Region active all day.
U = Close and somewhat parallel bright filaments (|| or Y shape).
V = Occurrence of an explosive phase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide Hα emission.
Y = Onset of a system of loop-type prominences.
Z = Major sunspot umbra covered by flare.

Note:
A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.
When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the ESSA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity.

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
494 SACP	01	0031	0124	0054	N08	W75	.969	10055	25.4	53	1F		C		.95	2.12			5
GRP22495	01	0608	0624	0615	N09	W20	.405	10057	29.8	16	-F				.97				2 2 2 8
MITK	01	0605	0621	0616	N08	W20	.397	10057	29.8	16	-F		C	0616	1.03	1.10			D
ABST	01	0610	0626	0614	N10	W20	.414	10057	29.8	16	-F		P	0614	.90	.98			D
496 MITK	01	0624	0644	0632	S12	E90	1.000	10071	8.0	20	-F		C	0632	.83				7
497 HURB	01	0626E	0702		N08	W74	.965	10055	25.7	36D	1F						1.80		9
498 MITK	01	0700	0747D	0723	S12	E90	1.000	10071	8.0	47D	-N		C	0723	.72				6
499 MANI	01	0802	0820	0808	N07	W12	.282	10057	30.4	18	-F	2		0808	.93	.96			4
500 MONT	01	0809	0816D	0813	S11	E90	1.000	10071	8.1	7D	-N		C	0813	.46				4
502 ZURI	01	1024E	1039	1029	N07	W19	.375	10057	30.0	15D	-F		C	1029	.53	.60			5
GRP22503	01	1240	1257	1245	S12	E90	1.000	10071	8.3	17	-N				.92				2 2 1 8
MCMA	01	1238	1255	1243	S11	E90	1.000	10071	8.3	17	-B		C	1243					
CAPE	01	1242	1258	1247	S12	E90	1.000	10071	8.3	16	-F		C	1247	.92				
504 HURB	01	1256E	1323D		N07	W21	.403	10057	30.0	27D	1F						1.50		7
507 HALE	01	1609	1645	1615	S11	E84	.993	10071	8.0	36	1N	2	C	1615	.72				7
508 SACP	01	1732	1807	1800	S11	E83	.991	10071	8.0	35	-N		C		.52				6
509 HOUT	01	1750E	1815	1750U	N08	W41	.678	10057	28.7	25D	2B		C		4.40	6.20			EK 6
510 HOUT	01	1807	1821	1814	S26	E85	.994	10071	8.1	14	1N		C		1.10	3.60			H 6
511 MCMA	01	1907	1917	1910	S11	E88	.999	10071	8.4	10	-F		C	1910					D 4
515 MANI	01	2235	2247	2239	N08	W90	1.000	10055	25.2	12	-F	1		2239	.21	.67			7
516 HALE	01	2250E	2342		N13	W45	.742	10057	28.6	52D	-F	1	P	2250	.77	1.10			6
517 VORO	02	0135E	0203		N18	E37	.677	10064	4.8	28D	1B		C	0141	1.94	2.50		86	EJ 6
518 MITK	02	0235	0238	0236	N09	W90	1.000	10055	25.4	3	-N		C	0236	.62				H 6
519 MANI	02	0447E	0457	0450	S15	E80	.983	10071	8.2	10D	-F	1		0450	.52	1.30			6
521 ISTA	02	0710	0714		S12	E75	.964	10071	7.9	4	-F								10
522 MEUD	02	0825	0832	0828	S12	E76	.968	10071	8.1	7	-F		C	0828	.31				D 9
525 HURB	02	0929	0947		S12	E73	.954	10071	7.9	18	-N						1.80		10
528 ZURI	02	1139	1153	1142	N10	W38	.648	10057	29.6	14	-F		C	1142	.53	.70			9
531 SACP	02	1236	1254	1243	S08	W31	.516	10058	30.2	18	-N		C		.42	.44			12
GRP22532	02	1300	1311	1304	S23	E90	1.000	10075	9.3	11	-F				.10				2 2 1 11
MONT	02	1259	1311	1302	S23	E90	1.000	10075	9.3	12	-N		C	1302	.10				
MCMA	02	1300	1310	1305	S22	E90	1.000	10075	9.3	10	-F		C	1305					
533 HTPR	02	1310	1325	1312	S15	E73	.954	10071	8.0	15	-F		C	1312	.62				E 12
537 CATA	02	1420E	1455D	1420	S17	E75	.963	10071	8.2	35D	-B			1420	.58			204	12
538 MCMA	02	1424	1455	1426	N13	W37	.650	10057	29.8	31	-N		C	1426	.31	.40			D 11
GRP22539	02	1520	1534	1524	N14	W36	.643	10057	29.9	14	-N				.43				2 2 2 11
MCMA	02	1518	1534	1524	N13	W37	.650	10057	29.9	16	-N		C	1524	.31	.40			D
ZURI	02	1521	1533	1524	N14	W35	.631	10057	30.0	12	-N		C	1524	.55	.70			
546 MITK	03	0104	0118	0110	S13	W60	.865	10052	28.5	14	-F		C	0110	.93	1.80			E 4
548 CAPS	03	0555E	0610		N09	W45	.728	10057	29.9	15D	-N	2	V	0557	.60	.80		168	6
GRP22550	03	0925	1000	0930	S08	E59	.855	10071	7.8	35	-B				.52				2 2 1 12
CATA	03	0925	0935D	0930	S13	E60	.865	10071	7.9	10D	-B			0930	.52	1.04		229	
HURB	03	0931E	0959D		S02	E56	.829	10071	7.6	28D	1B						2.40		
CATA	03	0940E	1000	0940	S14	E62	.882	10071	8.1	20D	-B			0940	.29	.62		200	
551 CATA	03	1005E	1025D	1015	S16	E61	.875	10071	8.0	20D	-N			1015	.23	.48		170	11

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
553 CATA	03	1045E	1055D	1050	S16	E58	.850	10071	7.8	10D	-B			1050	.58	1.09		229	13
554 CATA	03	1110E	1140D	1115	S10	E55	.818	10071	7.6	30D	-N			1115	.63	1.11		190	8
555 SACP	03	1309	1320	1312	S28	E80	.983	10075	9.5	11	-N		C		.21				9
556 SACP	03	1313	1328	1315	N10	W48	.764	10057	30.0	15	-F		C		.21	.26			9
2 STATIONS REPORTING GROUP 22557. 5 STATIONS OBSERVING AND NOT REPORTING.																			
GRP22557	03	1505	1528	1520	N10	W61	.886	10057	29.1	23	-F				.62				2 2 2 7
CATA	03	1505E	1530	1520	N11	W60	.879	10057	29.1	25D	-N			1520	.93	1.86		174	
MCMA	03	1520E	1525		N08	W61	.883	10057	29.1	5D	-F		P	1525	.31	.70			DL
557 CATA	03	1505E	1545D	1520	N06	W54	.818	10057	29.6	40D	*-N			1520	1.09	1.92		182	7
558 SACP	03	1506	1518	1508	S13	E91	1.000	10077	10.5	12	-N		C		.21				6
GRP22559	03	1533	1609	(1535)	S08	E54	.807	10071	7.7	36	-N				.71				2 2 2 7
MCMA	03	1531E	1625		S07	E53	.797	10071	7.6	54D	-N		P	1533	.41	.70			EL
CAPS	03	1534	1553		S09	E55	.817	10071	7.8	19	-N	3	V	1536	1.00	1.70		168	
567 MANI	03	2301	2310	2302	N04	W54	.815	10057	29.9	9	-F	1		2302	.31	.52			3
568 SACP	03	2321U	2330D	2325U	S09	E51	.776	10071	7.8	9D	-F		C		.21	.27			5
GRP22573	04	0617	0627	(0620)	S12	E42	.673	10071	7.4	10	-F				.46				2 2 2 11
CAPS	04	0617E	0628		S12	E40	.648	10071	7.3	11D	-F	3	V	0619	.50	.70		152	CE
MANI	04	0619E	0625		S11	E43	.684	10071	7.5	6D	-F	2		0621	.41	.57			
574 CULG	04	0620	0638D	0630	S31	E89	.999	10078	10.9	18D	1N		P	0630	.46				D 10
575 ABST	04	0702E	0704D	0704	N10	W60	.878	10057	29.8	2D	1N		P	0704	1.98	4.20		55	E 9
577 CAPS	04	0805E	0823		S32	E85	.994	10078	10.7	18D	-N	3	P	0808	.70				9
578 CANR	04	0807	0812	0810	S20	W85	.994	10052	28.0	5	-F		C		.30	1.10			H 8
579 CAPS	04	0810	0815		S12	E40	.648	10071	7.3	5	-F	3	P	0813	.30	.40		147	8
GRP22580	04	0906	0921	(0908)	N10	W58	.861	10057	30.0	15	-F				.50				2 2 1 7
CAPS	04	0906	0915		N10	W57	.852	10057	30.1	9	-N	3	V	0908	.50	.90		166	
HURB	04	0908E	0927		N10	W59	.869	10057	30.0	19D	-F						1.60		
GRP22581	04	1030	1045	1030	S15	E50	.771	10071	8.2	15	-N				.29				2 1 1 7
CATA	04	1030E	1045	1030	S15	E50	.771	10071	8.2	15D	-N			1030	.29	.45		166	
CAPS	04	1035	1042		S10	E38	.618	10071	7.3	7	-F	3	V	1036	.40	.50		140	
582 CATA	04	1100	1120D	1100	S12	E46	.722	10071	7.9	20D	-N			1100	.17	.26		182	7
585 MANI	04	2358E	0010		S13	E71	.943	10077	10.3	12D	-F	2		0000	.41	.90			3
586 MITK	05	0140	0151	0141	N15	E90	1.000	10085	11.8	11	1F		C	0141	.83				G 4
588 MANI	05	0210	0240	0218	S12	E28	.483	10071	7.2	30	-F	2		0218	.41	.48			5
590 CRON	05	0216	0226	0219	S09	E85	.995	10077	11.5	10	-N		C		.50	1.60			5
591 MITK	05	0248	0256	0250	S13	E44	.700	10071	8.4	8	-F		C	0250	.93	1.30			D 6
592 MANI	05	0351E	0357	0353	S14	E44	.702	10071	8.5	6D	-F	2		0353	.62	.87			6
593 CULG	05	0417	0523	0427	N07	W85	.997	10057	28.8	66	1F		C	0427	.93				6
594 CULG	05	0630	0652D	0637	S31	E76	.971	10078	11.0	22D	1N		P	0637	.83				7
598 MANI	05	0945	0950D	0948	S11	E72	.949	10077	10.8	5D	-N	1		0948	.52	1.10			7
599 ZURI	05	1131	1135	1132	S13	E30	.516	10071	7.7	4	-N		C	1132	1.34	1.60			5
602 MCMA	05	1318E	1336		S30	E76	.970	10078	11.3	18D	-N		P	1332	.31	1.30			E 6
604 MCMA	05	1437	1500	1445	S12	E30	.512	10071	7.9	23	-F		C	1445	1.03	1.20			E 5
607 MCMA	05	1533	1605	1536	S30	E74	.963	10078	11.2	32	-F		C	1536	.21	.60			E 4
608 MCMA	05	1646	1648		S12	E68	.925	10077	10.8	2	-F		P	1647	.26	.80			D 3
614 MANI	06	0214E	0224		S12	E25	.440	10071	8.0	10D	-N	2		0218	.62	.68			4

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
617 MANI	06	0644	0651D		N07	W88	1.000	10057	29.7	7D	1B	2		0650	1.24	3.80			7
620 SANM	06	1253E	1307	1253	S12	E17	.322	10071	7.8	14D	-F		P		.65	.68			D 3
622 ONDR	06	1515	1530	1520	S13	E16	.315	10071	7.8	15	-F		V	1520			1.50		CDJ 3
630 SACP	07	0119	0139D	0124	S17	E84	.993	10084	13.4	20D	-N		C		.43				3
631 MANI	07	0155	0210D	0200	S11	E11	.228	10071	7.9	15D	-N	2		0200	.72	.74			3
634 CRON	07	0744	0754	0748	S31	E53	.837	10078	11.3	10	-N		C		.70	1.40			11
635 CATA	07	0910	0920	0910	S18	E85	.995	10084	13.8	10	-N			0910	.17			151	7
636 CATA	07	0910	1025D	0955	S15	E04	.209	10071	7.7	75D	-N	8		0955	.52	.53		166	7
638 SACP	07	1419	1432	1421	S15	E86	.997	10084	14.0	13	-N		C		.41				8
640 SACP	07	1616	1629	1619	N15	E38	.669	10081	10.5	13	-F		C		.32	.36			5
642 HALE	07	1819	1828	1822	S16	E84	.993	10084	14.1	9	-F	2	C	1822	.41				5
646 HALE	08	0032	0038D	0033	S11	E38	.621	10077	10.9	6D	-F	2	P	0033	.41	.50			4
649 ISTA	08	0610E	0715D		N10	W78	.981	10066	2.4	65D	-N								10
650 ABST	08	0916	0930	0918	N09	E65	.913	10086	13.3	14	-F		C	0918	.54	1.20			D 5
651 ABST	08	0926	1045	0943	S20	W04	.292	10071	8.1	79	-F		C	0943	1.26	1.30		55	DK 5
652 CATA	08	1005E	1040D	1015	S32	E36	.697	10078	11.1	35D	-N			1015	.46	.64		190	7
653 MEUD	08	1158E	1158D		S20	W05	.296	10071	8.1		-F		C	1158	.52	.50			5
655 MEUD	08	1450E	1504		S32	E30	.644	10078	10.9	14D	-F		C	1450	.62	.80			6
656 SACP	08	1450	1523	1504	N20	E79	.987	10088	14.5	33	-N		C		.73				7
657 SACP	08	2147E	2148D	2147U	S11	E24	.422	10077	10.7	1D	-N		P		1.36	1.37			4
658 MANI	08	2154E	2225		S14	E25	.451	10077	10.8	31D	-F	2		2158	1.34	1.48			3
661 MANI	09	0310E	0333	0316	S18	W13	.332	10071	8.2	23D	-F	2		0316	.72	.75			4
662 MANI	09	0736	0748	0742	S09	E78	.977	10089	15.2	12	-F	1		0742	.36	.89			7
GRP22665	09	1242	1258	1246	S30	E21	.548	10078	11.1	16	-F				.72				2 2 2 8
SANM	09	1240	1259	1245	S31	E21	.559	10078	11.1	19	-F		C		.80	.97			E
SACP	09	1244	1256	1247	S29	E21	.537	10078	11.1	12	-F		C		.64	.67			
666 CAPS	09	1302	1320		S10	E15	.281	10077	10.7	18	-F	3	V	1305	.50	.50		151	9
668 HALE	09	1650	1718	1654	N23	W79	.988	10064	3.8	28	-N	2	C	1654	.41				6
670 MANI	10	0428	0436	0431	S20	W31	.567	10071	7.9	8	-F	2		0431	.36	.42			7
GRP22672	10	0722	0810	0730	N16	E61	.893	10088	14.9	48	-F				.90				2 1 1 8
ABST	10	0722	0810	0730	N16	E61	.893	10088	14.9	48	-F		C	0730	.90	1.98			DK
MANI	10	0723	0815	0744	N16	E60	.886	10088	14.8	52	-F	2		0744	.77	1.55			
673 SANM	10	1209	1223	1212	N20	E79	.987	10088	16.4	14	-F		C		.32				D 6
674 SANM	10	1255	1303	1257	N16	E58	.870	10088	14.9	8	-F		C		.48	.97			D 7
676 HTPR	10	1338	1400	1348	N05	E30	.516	10086	12.8	22	-F		C	1348	.41	.50			G 8
GRP22677	10	1347	1411	1351	N10	E72	.956	10088	16.0	24	-F				.77				2 2 1 7
MONT	10	1347	1402	1351	N09	E76	.973	10088	16.3	15	-N		C	1351	.77				
ONDR	10	1349E	1420		N11	E68	.934	10088	15.7	31D	-F		V	1351			1.60		CDHJ
678 HALE	10	2219E	2231	2220	S16	W47	.742	10071	7.4	12D	-F	2	P	2220	.36	.50			5
679 HALE	10	2231	2241	2235	S16	W49	.764	10071	7.3	10	-F	2	C	2235	.67	1.00			4
680 MANI	10	2333E	2341		S19	E40	.671	10084	14.0	8D	-F	1		2334	.72	.92			3
681 HURB	11	0009E	0100D		N15	E53	.824	10088	15.0	51D	-B						2.50		D 4
682 SIBE	11	0323	0354	0324	N07	E26	.467	10086	13.1	31	-F		C	0324	.76	.78		56	CE 4

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22683	11	0700	0718	0710	N15	E51	.805	10088	15.1	18	-F				.41				2 2 1 7
HTPR	11	0700	0716	0710	N16	E56	.853	10088	15.5	16	-F		C	0710	.41	.80			
HURB	11	0707	0720		N14	E45	.741	10088	14.7	13	-N						2.30		D
689 SACP	11	1234	1255	1243	S17	W56	.835	10071	7.3	21	-F		C		.32	.44			6
690 CAPS	11	1320	1329		N07	E23	.424	10086	13.3	9	-F	4	V	1321	.50	.60		157	9
691 CAPS	11	1352	1358		N10	E60	.876	10088	16.1	6	-N	4	V	1355	.60	1.10		190	8
693 CAPS	11	1555E	1625		S07	E23	.394	10087	13.4	30D	-N	3	V	1558	1.00	1.20		182	7
697 MANI	11	2249E	2259D	2252	S19	E25	.487	10084	13.8	10D	-F	2		2252	.26	.30			5
698 SACP	12	0030	0058	0045	N07	E73	.959	10092	17.5	28	-F		C		.63	1.31			6
700 MITK	12	0208	0223D	0219	N17	E37	.665	10088	14.9	15D	-N		C	0219	.62	.80			E 5
701 CRON	12	0251	0305	0256	N23	E65	.930	10088	17.0	14	1F		C		1.10	2.50			4
703 MANI	12	0449	0513D		S08	E15	.271	10087	13.3	24D	-F	2		0456	.72	.76			5
704 ONDR	12	0550E	0740		N30	E60	.914	10088	16.7	110D	2F		V	0554			1.90		FG 10
705 CAPS	12	0634	0642		S15	E20	.392	10084	13.8	8	-N	4	V	0636	.50	.50		171	9
709 WEND	12	0807	0834		N06	E71	.948	10092	17.7	27	1N		P		3.09				13
710 ONDR	12	0810E	0838		N10	E19	.390	10098	13.8	28D	2N		V	0810			2.60		C 13
712 ONDR	12	0827	0846		S15	E33	.569	10089	14.8	19	2F		V	0829			2.10		CJ 11
713 MONT	12	0835	0840	0836	S14	W66	.913	10071	7.4	5	-N		C	0836	.77				11
GRP22715	12	0915	1035		N19	E36	.665	10088	15.1	80	-F				.59				2 2 2 14
CATA	12	0915E	0950D	0920	N22	E35	.674	10088	15.0	35D	-N	8		0920	.87	1.19		186	
HTPR	12	0955	1035	1007	N16	E36	.647	10088	15.1	40	-F	8	C	1007	.31	.40			
716 CAPS	12	1100	1110		S11	E33	.555	10089	14.9	10	-B	4	V	1103	.10	.10		310	12
GRP22718	12	1202	1212	1203	N16	E33	.612	10088	15.0	10	-F				.60				2 2 2 12
SANM	12	1201E	1215	1203	N15	E31	.582	10088	14.8	14D	-N		P		.48	.60			ET
HTPR	12	1202	1209	1203	N16	E35	.636	10088	15.1	7	-F		C	1203	.72	.80			
719 SACP	12	1251	1259	1255	S12	W66	.913	10071	7.6	8	-N		C		.63	1.06			14
720 CATA	12	1430	1440	1435	N14	E52	.812	10088	16.5	10	-B			1435	.29	.51		214	16
728 CAPS	13	0621	0635		S05	E02	.050	10087	13.4	14	-F	4	V	0624	.40	.40		150	9
GRP22729	13	0641	0651	0643	N08	W06	.215	10086	12.8	10	-F				.39				2 2 2 11
HTPR	13	0640	0656	0644	N07	W05	.192	10086	12.9	16	-F		C	0644	.41	.40			
MEUD	13	0641	0646	0642	N08	W07	.224	10086	12.8	5	-F		C	0642	.36	.40			
GRP22730	13	0712	0717	0714	N18	E34	.636	10088	15.9	5	-F				.66				2 2 2 12
ZURI	13	0712	0716	0714	N18	E33	.625	10088	15.8	4	-N		C	0714	.95	1.20			
MEUD	13	0712	0718	0714	N18	E34	.636	10088	15.9	6	-F		C	0714	.36	.50			
732 WEND	13	0753	0810		S08	E23	.398	10089	15.1	17	1F		V		3.09				12
GRP22734	13	1237	1244	1242	N22	E51	.826	10088	17.4	7	-F				.37				2 2 2 14
SACP	13	1237	1245	1242	N23	E52	.838	10088	17.4	8	-F		C		.32	.45			
MEUD	13	1240E	1243		N21	E50	.814	10088	17.3	3D	-F		C	1241	.41	.70			
735 SANM	13	1245	1257	1246	S12	W41	.664	10077	10.5	12	-F		C		.17	.22			14
736 MCMA	13	1253	1257	1254	N09	W08	.248	10086	12.9	4	-N		C	1254	.21	.20			D 13
738 CAPS	13	1450	1500		S02	W80	.985	10071	7.6	10	-N	3	V	1452	.30			191	8
739 ONDR	13	1453E	1502		N21	E48	.796	10088	17.2	9D	-F		V	1454			1.10		CGH 8
740 SACP	13	1521	1544	1524	N22	E62	.909	10088	18.3	23	-N		C		.31	.52			9
745 SACP	13	2351	2355D	2353	N16	E09	.357	10088	14.7	4D	-N		C		.21	.21			5
747 HALE	14	0119	0213	0123	N11	W25	.476	10085	12.2	54	-F	1	C	0123	.41	.50			5
749 MANI	14	0216E	0225	0217	N09	W05	.222	10098	13.7	9D	-F	1		0217	.83	.85			3

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
752 CAPS	14	0526	0534		N20	E20	.501	10088	15.7	8	-N	1	V	0526	1.00	1.10			8
754 CAPS	14	0607E	0613		N10	W10	.279	10098	13.5	6D	-N	1	V	0607	.50				11
755 CAPS	14	0649E	0658		N10	W10	.279	10098	13.5	9D	-F	3	V	0649	.50	.50		157	12
756 CAPS	14	0649E	0710		N18	W14	.422	10095	13.2	21D	-N	3	V	0653	.60	.60		190	12
758 HTPR	14	0823	0827	0824	S04	W16	.276	10087	13.1	4	-F		C	0824	.31	.30			E 11
763 CATA	14	1115	1120	1115	S08	E05	.125	10089	14.8	5	-B			1115	.29	.29		209	10
764 MCMA	14	1121	1128	1123	N10	E10	.279	10088	15.2	7	-F	8	C	1123	.31	.40			E 10
765 MCMA	14	1201	1209D	1207	N15	E22	.471	10088	16.2	8D	-N		C	1207	.26	.30			E 10
766 SANM	14	1227E	1245		N07	W25	.451	10086	12.6	18D	-F		P	1228	.48	.54			E 11
769 SANM	14	1357	1414	1359	N10	W32	.564	10086	12.2	17	-F		C		.17	.20			D 12
770 MCMA	14	1400	1409	1403	N11	W32	.569	10085	12.2	9	-F		C	1403	.26	.30			D 12
GRP22772	14	1454	1513	1458	N17	E19	.458	10088	16.0	19	-F				.32				2 2 2 11
SANM	14	1454	1514	1458	N17	E18	.448	10088	16.0	20	-F		C		.32	.36			D
MCMA	14	1454	1512	1458	N16	E20	.458	10088	16.1	18	-N		C	1458	.31	.40			DB
773 SANM	14	1505	1520	1508	S04	W21	.358	10087	13.1	15	-F		C		.32	.34			E 10
GRP22774	14	1543	1622	1552	S12	W01	.161	10089	14.6	39	-F				.40				2 2 2 9
SANM	14	1541	1622	1554	S12	W01	.161	10089	14.6	41	-F		C		.48	.49			D
MCMA	14	1544	1610D	1550	S12	E00	.160	10089	14.7	26D	-N		C	1550	.31	.40			E
775 SANM	14	1744	1805	1746	N10	W13	.312	10098	13.8	21	-F		C		.65	.69			E 6
778 SANM	14	1950	2017D	1956	N10	W14	.324	10098	13.8	27D	-F		P		.80	.86			E 5
779 MCMA	14	2021	2035	2023	N08	W28	.499	10086	12.7	14	-N		C	2023	.41	.50			E 4
781 MCMA	14	2135	2149D	2136	N18	E20	.480	10088	16.4	14D	-N		C	2136	.52	.60			E 4
782 MANI	14	2343E	0004	2347	S17	W17	.373	10084	13.7	21D	-F	1		2347	1.13	1.23			3
783 MANI	15	0206	0222	0210	N18	W23	.510	10095	13.4	16	-F	2		0210	.41	.48			4
784 MANI	15	0625	0644	0628	N22	W03	.420	10088	15.0	19	-F	2		0628	.52	.56			9
787 CATA	15	0905	0935	0910	N22	W20	.522	10095	13.9	30	-N			0910	.29	.34		170	11
788 CAPS	15	1009	1017		N12	E06	.273	10088	15.9	8	-N	4	V	1010	.70			188	10
789 CAPS	15	1029	1045		N17	W23	.501	10095	13.7	16	-N	4	V	1029	.50			176	11
GRP22790	15	1135	1220	1150	N19	W23	.520	10095	13.8	45	-B				.34				2 1 1 8
CATA	15	1135	1220	1150	N22	W21	.531	10095	13.9	45	-B			1150	.34	.41		209	
HURB	15	1204E	1208D		N16	W24	.503	10095	13.7	4D	-B						2.90		
GRP22794	15	1402	1415	1405	N18	W29	.577	10095	13.4	13	-F				.42				2 2 2 8
MEUD	15	1400E	1405		N18	W27	.555	10095	13.6	5D	-F		C	1401	.52	.60			H
SACP	15	1403	1415	1405	N18	W31	.600	10095	13.3	12	-N		C		.31	.34			
796 MEUD	15	1419	1422	1420	N10	W25	.469	10098	13.7	3	-F		C	1420	.72	.80			7
799 CATA	15	1520	1525	1520	S04	W31	.515	10087	13.3	5	-B			1520	.23	.28		240	7
800 ONDR	15	1544E	1554		N18	W29	.577	10095	13.5	10D	-F		V	1547			1.30		CDHJR 5
801 MCMA	15	1546	1551	1548	N21	E13	.452	10088	16.6	5	-F		C	1548	.26	.30			DB 5
802 HALE	15	1618E	1652		N07	E25	.450	10092	17.6	34D	-F	2	P	1621	.36	.40			FG 5
803 HALE	15	1633	1657	1638	N20	W26	.561	10095	13.7	24	-F	2	C	1638	.15	.20			H 6
GRP22804	15	1640	1645	1641	S16	W27	.496	10084	13.7	5	-F				.41				2 2 1 6
MCMA	15	1640	1645	1641	S16	W28	.509	10084	13.6	5	-F		C	1641	.41	.50			E
CAPS	15	1640	1645		S15	W26	.476	10084	13.7	5	-N	3	V						

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22810	15	1956	2005	2000	N07	E88	1.000	10100	22.4	9	-N				.26				3 3 2 3
SACP	15	1955	2000D	1959	N07	E85	.997	10100	22.2	5D	-N		C		.31				
MCMA	15	1955	2002	1958	N06	E88	1.000	10100	22.4	7	-F		C	1958					D
HALE	15	1959	2007	2002	N09	E90	1.000	10100	22.6	8	-B	2	C	2002	.21				
815 MANI	16	0112	0135D	0117	S05	W38	.616	10087	13.2	23D	-F	1		0117	.83	1.08			3
816 MANI	16	0113E	0120D		S17	E80	.984	10099	22.1	7D	-F	1		0115	.72	1.86			3
GRP22820	16	0730	0740	(0737)	N15	W35	.627	10098	13.7	10	-N				.50				2 2 1 13
HURB	16	0723	0737		N11	W38	.645	10098	13.5	14	1B						1.80		
CAPS	16	0736	0742		N18	W31	.599	10098	14.0	6	-F	4	V	0737	.50	.60		149	
822 ARCE	16	0900	0920	0910	N10	E80	.987	10100	22.4	20	-B		C	0915	.58	1.80			13
GRP22823	16	0926	1002	0936	N22	W16	.487	10088	15.2	36	-N				.42				2 2 2 8
CATA	16	0915	0920	0915	N20	W14	.445	10088	15.3	5	-B			0915	.40	.46		240	
CATA	16	0920	1000	0925	N23	W15	.492	10088	15.3	40	-N			0925	.63	.74		195	
MONT	16	0931	1004	0936	N23	W17	.507	10088	15.1	33	-N		C	0936	.21				
824 CATA	16	0955	1005	1000	N09	W50	.779	10086	12.7	10	-B			1000	.46	.72		214	9
826 CAPS	16	1024	1041		N18	W34	.633	10095	13.9	17	-N	4	V	1030	.70	1.00		180	H 7
GRP22827	16	1100	1121	1105	N17	W42	.717	10095	13.3	21	-N				1.06				3 3 3 8
CAPS	16	1100	1116		N15	W42	.709	10095	13.3	16	-F	4	V	1102	.50	.70		157	
CATA	16	1100	1125	1105	N19	W40	.705	10095	13.5	25	-B			1105	.40	.57		219	
KHAR	16	1101E	1115D		N18	W43	.732	10095	13.2	14D	1F		P	1113	2.27	3.22	1.80		O
828 CATA	16	1210	1255D	1210	S04	W44	.694	10087	13.2	45D	-B			1210	.52	.74		214	7
829 SACP	16	1250	1317U	1300	S17	W39	.655	10084	13.6	27D	-F		C		1.16	1.31			7
GRP22830	16	1436	1449	1437	N09	W42	.687	10098	13.5	13	-F				.46				2 2 2 9
SACP	16	1435	1449	1437	N10	W42	.691	10098	13.5	14	-N		C		.42	.49			
CAPS	16	1436	1449		N08	W41	.672	10098	13.5	13	-F	3	V	1439	.50	.70		152	E
831 MCMA	16	1459	1520	1501	N15	W25	.505	10088	14.7	21	-N		C	1501	.26	.30			D 7
832 CAPS	16	1547E	1600		N10	W25	.468	10088	14.8	13D	-N	4	V	1550	.30	.30			CD 6
833 MCMA	16	1557	1625	1602	S09	W25	.433	10089	14.8	28	-N		C	1602	.41	.50			E 5
834 SACP	16	1627	1718U	1650U	N24	W42	.751	10095	13.5	51D	-F		C		1.26	1.54			5
836 CAPS	16	1637E	1652		S16	W45	.722	10084	13.3	15D	1N	4	P	1638	1.50	2.10		164	CL 6
839 MCMA	16	1857E	1908D		N18	W10	.388	10088	16.0	11D	-F		C	1857	.72	.80			CEL 4
842 MANI	16	2227	2234	2229	N14	W27	.522	10088	14.9	7	-F	2		2229	.52	.62			3
843 MANI	16	2229E	2240	2230	N28	W39	.747	10095	14.0	11D	-F	2		2230	.41	.64			3
845 MANI	16	2313E	2325	2314	N07	W60	.872	10086	12.5	12D	-F	2		2314	.31	.57			4
850 MANI	17	0148E	0208	0149	S12	E68	.927	10099	22.2	20D	-F	2		0149	.67	1.42			3
853 MANI	17	0440E	0455D		N16	W20	.455	10088	15.7	15D	-F	2		0440	.72	.79			5
857 CAPS	17	0549	0553		N10	W69	.939	10085	12.1	4	-N	3	V						5
858 CATA	17	0625E	0700D	0625	N16	W30	.573	10088	15.0	35D	-B			0625	.29	.35		219	8
860 CAPS	17	0802E	0812D		N10	W69	.939	10086	12.2	10D	-N	4	V	0805	.50			189	C 9
GRP22861	17	0815	0900	0829	N17	W31	.591	10088	15.0	45	-N				.75				2 2 2 10
CATA	17	0815E	0900D	0830	N17	W30	.580	10088	15.1	45D	-B			0830	.58	.70		204	
ZURI	17	0815	0838D	0828	N17	W31	.591	10088	15.0	23D	-F		C	0828	.91	1.10			
863 MEUD	17	0912E	0914D		N18	W30	.587	10088	15.1	2D	-F		C	0912	.41	.50			D 9
864 CAPS	17	0948E	1004D		N16	W22	.478	10088	15.8	16D	-F	4	V	0952	1.00	1.10		150	10
866 CAPS	17	1053	1100D		N19	E04	.372	10088	17.8	7D	-N	3	V						H 9
868 ABST	17	1243	1312	1247	N08	W66	.918	10086	12.6	29	1F		C	1247	1.35			59	F 8

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP22869	17	1513	1522	1518	N16	W37	.656	10088	14.9	9	-N				.56				2 2 2 8
HTPR	17	1513	1519	1515	N14	W38	.657	10088	14.8	6	-F		C	1515	.31	.40			
CATA	17	1515E	1525D	1520	N20	W33	.635	10088	15.2	10D	-B			1520	.58	.73		209	
CATA	17	1515E	1525D	1520	N16	W37	.656	10088	14.9	10D	-B			1520	.23	.30		224	
873 HTPR	17	1715	1731	1719	N17	W35	.638	10088	15.1	16	-F		C	1719	.31	.40			5
876 MANI	17	2230	2258	2234	N06	E90	1.000	10109	24.7	28	-N	2		2234	.62	2.01			3
877 MANI	17	2247E	2252	2247	N19	W27	.561	10088	15.9	5D	-F	2		2247	.26	.31			3
882 MANI	18	0427E	0432D		S06	E79	.981	10108	24.1	5D	-F	1		0428	.26	.85			3
886 CATA	18	1015E	1030D	1025	N16	W41	.701	10088	15.4	15D	-B			1025	.17	.24		229	5
GRP22892	18	1225	1241	(1229)	S18	E79	.981	10108	24.4	16	1F				1.24				2 2 2 4
KHAR	18	1225E	1237D		S17	E80	.984	10108	24.5	12D	2F		P	1230	2.27				
CAPS	18	1226E	1241D		S19	E78	.978	10108	24.4	15D	-N	3	V	1227	.20				CD
897 CATA	18	1355	1410D	1355	S18	E54	.821	10099	22.6	15D	-B			1355	.29	.51		204	4
899 MEUD	18	1612E	1616		N16	W39	.678	10088	15.7	4D	-F		C	1612	.72	1.00			F 5
907 MANI	19	0108E	0116		N05	W81	.988	10086	13.0	8D	-N	2		0111	.62	1.60			3
GRP22909	19	0154	0227	0202	S18	E67	.924	10108	24.1	33	-N				.62				2 1 1 3
MITK	19	0154	0227D		S18	E67	.924	10108	24.1	33D	-N		C	0217	.62				E
MANI	19	0155	0225	0202	S17	E70	.941	10108	24.3	30	-F	2		0202	.41	.89			
911 MANI	19	0258	0315	0306	N07	E76	.972	10109	24.8	17	-F	2		0306	.83	1.95			5
913 MANI	19	0436E	0446D		N08	E75	.968	10109	24.8	10D	-F	2		0438	.62	1.53			4
914 MANI	19	0440	0455	0445	N20	W19	.485	10088	17.8	15	-F	2		0445	.62	.70			4
GRP22916	19	0625	0640	(0632)	N06	E76	.972	10109	25.0	15	-F				.38				2 2 2 7
MEUD	19	0625	0640		N07	E76	.972	10109	25.0	15	-F		C	0630	.26				D
CAPS	19	0632E	0638D		N04	E75	.967	10109	24.9	6D	-F	2	V	0634	.50				
917 MEUD	19	0705	0710	0707	N15	W85	.997	10095	12.9	5	-F		V	0707	.31				9
GRP22918	19	0850	0930	0905	N21	W58	.877	10088	15.0	40	-N				.24				2 2 2 8
CATA	19	0850E	0930	0905	N22	W59	.887	10088	14.9	40D	-B			0905	.17	.35		224	
MEUD	19	0850	0854D		N20	W57	.867	10088	15.1	4D	-F		C	0854	.21	.40			D
MEUD	19	0858E	0859D		N19	W57	.865	10088	15.1	1D	-F		C	0858	.31	.60			E
MEUD	19	0903E	0906D		N19	W57	.865	10088	15.1	3D	-F		C	0906	.31	.60			E
919 MEUD	19	0903E	0906D		N15	W86	.998	10095	12.9	3D	-F		C	0903	.31				D 8
920 CATA	19	0910	0950	0915	N06	E68	.930	10109	24.5	40	-B			0915	.34			214	Z 7
921 CATA	19	0935	1015	0945	N05	W65	.909	10088	14.5	40	-N			0945	.40	.96		186	6
GRP22923	19	1010	1050	1015	N08	E69	.937	10109	24.6	40	1N				.97				2 2 2 6
CATA	19	1010	1050D	1015	N07	E69	.936	10109	24.6	40D	1B			1015	.93			288	TZ
CAPS	19	1011E	1031D		N08	E68	.931	10109	24.5	20D	1F	2	V	1011	1.00			159	
925 CATA	19	1225	1255D	1225	S15	E40	.662	10099	22.5	30D	-N			1225	.58	.79		200	6
GRP22928	19	1425	1439	1433	N12	W89	1.000	10086	12.9	14	-N				.47				2 2 2 7
MONT	19	1425E	1440	1433	N12	W88	1.000	10086	13.0	15D	-N		C	1433	.10				
CAPF	19	1430E	1437		N11	W90	1.000	10086	12.9	7D	1N		P	1433	.83				A
929 CATA	19	1430E	1450D	1435	S15	E41	.674	10099	22.7	20D	-B			1435	.23	.32		209	7
933 HALE	19	1759	1817	1804	S14	E58	.852	10108	24.1	18	-F	2	C	1804	.26	.50			4
934 SACP	19	1846	1858	1848	N17	W30	.578	10088	17.5	12	-N		C		.42	.45			4
938 SACP	20	0006	0012	0007	S14	E54	.815	10108	24.1	6	-F		C		.42	.57			6
940 HALE	20	0105	0113	0108	N20	W60	.889	10088	15.5	8	1B	1	C	0108	.93	2.00			7
941 MANI	20	0305	0318	0309	N17	W59	.876	10088	15.7	13	-N	2		0309	.83	1.53			5
943 MITK	20	0419E	0424D		S13	E32	.552	10099	22.6	5D	-F		P	0424	.52	.60			EH 6
945 MEUD	20	0658	0700	0659	N15	W72	.957	10088	14.9	2	-F		C	0659	.21				D 11

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
946 ONDR	20	0737	0750		N06	E58	.852	10109	24.7	13	1F		V	0739			1.90		CJ 12
947 HTPR	20	0753	0802	0756	N07	E60	.871	10109	24.8	9	-F		C	0756	.52	1.00			E 13
948 ARCE	20	0813E	0833D		S12	E32	.548	10099	22.7	20D	-F		C	0815	.48	.60			11
949 ARCE	20	0813E	0833		N08	E60	.872	10109	24.8	20D	-F	8	C	0815	.48	.90			11
GRP22950	20	0843	0852	0846	N08	E59	.863	10109	24.8	9	-F				.36				2 2 2 8
HTPR	20	0842	0852	0846	N07	E59	.862	10109	24.8	10	-F		C	0846	.41	.80			
MEUD	20	0843	0844D		N08	E59	.863	10109	24.8	1D	-N		C	0844	.31	.60			D
951 ZURI	20	0857E	0951D	0913	S13	E26	.469	10099	22.3	54D	1F		P	0913	2.94	3.40			10
GRP22952	20	0859	0907	0900	N07	E58	.853	10109	24.7	8	-N				.33				2 2 2 10
MEUD	20	0859E	0907		N07	E57	.844	10109	24.6	8D	-F	8	C	0901	.31	.50			D
CATA	20	0900E	0905D	0900	N07	E59	.862	10109	24.8	5D	-B	8		0900	.34	.69		214	
954 MEUD	20	0956E	1005		S14	E26	.474	10099	22.4	9D	-F		C	0956	.21	.20			D 9
955 MEUD	20	1014	1015D		N08	E56	.836	10109	24.6	1D	-N		C	1015	.57	1.00			E 7
957 HTPR	20	1155	1208		N07	E58	.853	10109	24.8	13	-F		C	1200	.62	1.00			4
958 HTPR	20	1302	1315	1306	S13	E27	.483	10099	22.6	13	-F		C	1306	.83	.90			5
960 ZURI	20	1429	1518	1505	N07	E58	.853	10109	25.0	49	1N		C	1505	1.68	3.00			7
GRP22962	20	1615	1650	1649	S14	E29	.515	10099	22.9	35	1F				2.00				2 1 1 7
CAPS	20	1615E	1650D		S14	E29	.515	10099	22.9	35D	1F	2	S	1632	2.00	2.40		152	
HTPR	20	1643	1650	1649	S13	E25	.454	10099	22.6	7	-F		C	1649	.72	.80			E
964 ZURI	20	1654	1713	1703	S13	E27	.483	10099	22.7	19	-N		C	1703	.73	.80			7
970 MITK	20	2304E	2318D		S13	E23	.426	10099	22.7	14D	-N		C	2304	.72	.80			E 6
973 SACP	21	0113	0125	0114	N14	E63	.902	10109	25.8	12	-N		C		.42	.69			5
977 HTPR	21	0547	0558	0554	N08	E41	.670	10109	24.3	11	-F		C	0554	.31	.40			6
981 CAPS	21	0802E	0804D		S18	E38	.650	10108	24.2	2D	-N	1	S	0802	.90	1.10			10
984 CATA	21	1255E	1305D	1300	S12	E14	.294	10099	22.6	10D	-B			1300	.29	.30		204	9
988 ZURI	21	1623	1647	1632	N07	E39	.642	10109	24.6	24	-N		C	1632	1.20	1.50			11
991 SACP	21	1727	1736	1729	S14	E08	.248	10099	22.3	9	-F		C		.63	.62			7
992 SANM	21	1900	1910		N12	E22	.438	10107	23.4	10	-F		C	1902	.32	.35			E 5
993 SACP	21	2001	2007	2004	N16	W89	1.000	10088	15.2	6	-N		C		.21				3
997 MANI	21	2235	2310	2245	S15	E07	.254	10099	22.5	35	-F	2		2245	.41	.43			5
998 MANI	21	2354	0005	2358	N07	E39	.642	10109	24.9	11	-F	2		2358	.41	.54			4
999 MANI	22	0005	0030	0010	S21	E05	.338	10103	22.4	25	-F	2		0010	1.24	1.32			3
000 MITK	22	0018E	0111D		N04	E35	.580	10109	24.6	53D	-F		C	0023	1.03	1.30			E 5
001 MANI	22	0044	0055	0047	S13	E05	.211	10099	22.4	11	-F	2		0047	.52	.53			6
003 MANI	22	0212E	0217D		S12	E05	.195	10099	22.5	5D	-F	2		0213	.31	.32			5
004 HALE	22	0216	0239	0218	N14	E60	.879	10109	26.6	23	-F	1	C	0218	.83	1.70			5
005 MITK	22	0221	0226	0223	S14	E04	.221	10099	22.4	5	-F		C	0223	.62	.60			E 5
006 MITK	22	0255	0313		S15	E05	.242	10099	22.5	18	-F		C	0257	1.13	1.20			E 6
GRP23007	22	0323	0421	0354	S13	E04	.205	10099	22.4	58	-F				.28				2 2 2 7
HALE	22	0323	0349	0328	S11	E04	.173	10099	22.4	26	-F	2	C	0328	.21	.20			
HALE	22	0344	0421	0347	S12	E03	.183	10099	22.4	37	-N	2	C	0347	.15	.20			
MANI	22	0351E	0425	0400	S14	E08	.250	10099	22.8	34D	-F	1		0400	.41	.42			
MANI	22	0359E	0420	0400	S14	E03	.216	10099	22.4	21D	-F	2		0400	.52	.53			
008 HALE	22	0410	0425	0410	N13	E58	.861	10109	26.5	15	-N	1	C	0410	.31	.60			F 8
010 MITK	22	0455E	0456D		S14	E01	.211	10099	22.3	1D	-F		P	0455	.52	.50			D 8

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
011 MEUD	22	0630E	0632		S13	W01	.194	10099	22.2	2D	-F		C	0630	.31	.30			DZ 11
014 ISTA	22	0820E	0825		S19	E01	.295	10103	22.4	5D	-N								17
016 ARCE	22	0902	0933	0903	S22	E00	.344	10103	22.4	31	-N		C	0903	1.00	1.00			15
021 SANM	22	1154E	1205		N14	W16	.382	10110	21.3	11D	-F		P	1157	.17	.20			11
022 HURB	22	1253E	1301		S10	W01	.142	10099	22.5	8D	-N						2.60		11
023 CATA	22	1320E	1325D	1320	S14	W03	.216	10099	22.3	5D	-N			1320	.23	.24		174	12
GRP23025	22	1340	1420	1350	N04	E29	.494	10109	24.7	40	-B				.58				2 1 1 11
CATA	22	1340E	1420D	1350	N04	E29	.494	10109	24.7	40D	-B	8		1350	.58	.68		257	
HTPR	22	1345	1410	1403	N07	E28	.490	10109	24.7	25	-F	8	C	1403	.41	.40			
GRP23028	22	1559	1603	1601	N08	E23	.422	10109	24.4	4	-F				.89				2 2 2 8
ZURI	22	1558	1602	1600	N08	E23	.422	10109	24.4	4	-N		C	1600	1.47	1.60			
HTPR	22	1600	1603	1601	N08	E22	.408	10109	24.3	3	-F		C	1601	.31	.30			
029 ZURI	22	1607	1609D		N08	E27	.480	10109	24.7	2D	1N		P		2.31	2.60			8
037 MANI	22	2219	2236	2226	S21	W05	.338	10103	22.6	17	-F	2		2226	.62	.65			5
038 MANI	22	2252E	2305		S21	W05	.338	10103	22.6	13D	-F	2		2253	1.03	1.04			6
039 SACP	23	0000E	0011D	0004U	S22	W06	.359	10103	22.5	11D	-F		C		.64	.63			7
043 HALE	23	0435	0442D	0435	N08	E17	.335	10109	24.5	7D	-B	2	P	0435	.41	.40			F 6
045 CAPS	23	0551	0606D		N09	E22	.413	10109	24.9	15D	-N	3	V	0551	.90	1.00		182	7
GRP23046	23	0638	0657	0641	N11	E03	.227	10107	23.5	19	-N				1.05				6 5 5 12
CATA	23	0635E	0710	0640	N12	E02	.240	10107	23.4	35D	-B			0640	.52	.54		214	
MANI	23	0638	0650	0640	N12	E06	.259	10107	23.7	12	-F	1		0640	.62	.64			
MITK	23	0638	0645D	0642	N10	E02	.207	10107	23.4	7D	-N		C	0642	.62	.60			E
CRIM	23	0639	0654	0643	N11	E02	.223	10107	23.4	15	1N		C	0643	2.70	2.80			E
CAPS	23	0640	0652		N11	E02	.223	10107	23.4	12	-N	3	V	0640	.80	.80		194	
BUCA	23	0640E	0702D		N10	E03	.210	10107	23.5	22D	-F		C	0652	2.21	2.10			
048 MANI	23	0655	0710	0700	N13	W14	.346	10100	22.2	15	-F	1		0700	.41	.44			12
4 STATIONS REPORTING GROUP 23049. 7 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23049	23	0655	0758	0710	N06	E17	.320	10109	24.6	63	-N				.78				2 2 2 11
CATA	23	0655	0755	0710	N05	E17	.314	10109	24.6	60	-B			0710	.46	.49		209	
BUCA	23	0658E	0800D		N06	E17	.320	10109	24.6	62D	-F		C	0714	1.10	1.10			
23049	23	0721	0736	(0729)	N08	E17	.335	10109	24.6	15	*-F								2 2 0 10
HURB	23	0721E	0739		N08	E18	.349	10109	24.7	18D	-F						1.90		
ONDR	23	0725E	0732		N07	E16	.313	10109	24.5	7D	-F		V	0729			1.80		CD
051 ARCE	23	0805	0846	0815	N15	E17	.403	10109	24.6	41	-F		C	0815	.77	.80			13
052 HTPR	23	0901	0907	0903	S14	W15	.329	10099	22.3	6	-F		C	0903	.41	.40			E 11
GRP23053	23	0924	0949	0944	N11	W02	.223	10107	23.2	25	-N				1.68				2 1 1 12
ZURI	23	0924E	0949	0944	N11	W02	.223	10107	23.2	25D	-N		P	0944	1.68	1.70			
CATA	23	0935E	1025D	1010	N11	W02	.223	10107	23.2	50D	-B			1010	.98	1.01		240	T
054 HTPR	23	1022	1027	1023	S14	W15	.329	10099	22.3	5	-F		C	1023	.41	.40			E 10
055 MONT	23	1114	1121	1118	N15	W27	.523	10110	21.4	7	-N		C	1118	1.03				8
056 CATA	23	1130E	1215D	1150	N11	W02	.223	10107	23.3	45D	-N			1150	.80	.83		170	T 7
057 MCMA	23	1202	1215	1204	S23	W14	.426	10103	22.5	13	-N		C	1204	.72	.80			E 9
GRP23058	23	1217	1230	1220	N13	E43	.709	10109	26.7	13	-F				.41				2 2 1 9
MCMA	23	1217	1230	1220	N11	E43	.702	10109	26.7	13	-F		C	1220	.41	.50			E
CAPS	23	1222E	1229D		N14	E43	.712	10109	26.7	7D	-F	1	S						
GRP23059	23	1223	1320	1312	N11	W04	.231	10107	23.2	57	-N				1.26				2 1 1 12
ZURI	23	1223E	1320	1312	N11	W04	.231	10107	23.2	57D	-N		C	1312	1.26	1.30			
CATA	23	1225E	1325D	1235	N11	W02	.223	10107	23.4	60D	-N			1235	.93	.95		182	T
060 HTPR	23	1255	1301	1257	S20	W18	.428	10103	22.2	6	-F		C	1257	.52	.50			13
061 CATA	23	1435E	1525D	1450	N10	W04	.215	10107	23.3	50D	-N			1450	.85	.87		162	T 10

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE 1969 MAY	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
063 MCMA	23	1525	1600		S16	E10	.298	10108	24.4	35	-F		P	1540	.41	.40			E 10
GRP23064	23	1616	1658	1626	N08	E10	.241	10109	24.4	42	-N				1.16				4 4 4 9
MCMA	23	1613	1635D		N05	E09	.195	10109	24.4	22D	-N		P	1616	.62	.60			EL
HALE	23	1617	1700	1626	N06	E11	.233	10109	24.5	43	-N	2	C	1626	.21	.20			
HTPR	23	1619	1642	1626	N05	E10	.209	10109	24.4	23	-N		C	1626	.72	.80			
WEND	23	1623E	1711		N15	E11	.342	10109	24.5	48D	1F		V		3.09				
GRP23065	23	1623	1757	1725	N11	W05	.237	10107	23.3	94	-F				2.43				2 2 2 8
WEND	23	1623E	1802		N09	W05	.205	10107	23.3	99D	1N		V		4.13				
HTPR	23	1712	1751	1725	N12	W05	.253	10107	23.3	39	-F		C	1725	.72	.70			E
GRP23066	23	1636	1646	1640	S29	W12	.493	10103	22.8	10	-F				.58				2 2 2 9
SACP	23	1635	1650	1640	S28	W13	.485	10103	22.7	15	-N		C		.74	.76			
HTPR	23	1637	1641	1639	S30	W10	.497	10103	22.9	4	-F		C	1639	.41	.50			
067 MCMA	23	2020	2023D	2021	N15	W33	.598	10110	21.4	3D	-N		P	2021	.26	.30			D 4
074 CAPS	24	0531	0543D		N07	E01	.151	10109	24.3	12D	-N	3	V	0535	.40	.40		185	4
6 STATIONS REPORTING GROUP 23075. 5 STATIONS OBSERVING AND NOT REPORTING.																			
GRP23075	24	0733	0745	0738	N06	E00	.133	10109	24.3	12	-N				1.03				3 3 3 11
BUCA	24	0650E	0759D	0743	N06	E01	.134	10109	24.4	69D	-F		C	0743	1.55	1.50			
ZURI	24	0733	0735	0733	N06	W02	.138	10109	24.2	2	-N		C	0733	.71	.70			
CAPF	24	0734E	0740D		N05	E01	.117	10109	24.4	6D	-N		S	0734	.83	.84			
076 CATA	24	0750	0800D	0755	N08	W12	.265	10107	23.4	10D	-N			0755	.52	.56		174	10
078 MEUD	24	0835	0855		N10	W21	.406	10107	22.8	20	-F		C	0845	.62	.70			13
081 CAPF	24	1023E	1220D		N25	W90	1.000	10088	17.7	117D	1N		P	1027	.62				AH 13
082 CATA	24	1030	1130	1035	S09	W29	.497	10099	22.3	60	1B			1035	2.32	2.77		417	12
085 MCMA	24	1119	1126	1122	N12	E29	.528	10109	26.6	7	-N		C	1122	.31	.40			E 10
GRP23090	24	1550	1620	1552	N06	W04	.150	10109	24.4	30	-N				.61				2 2 2 8
MCMA	24	1547	1620	1552	N05	W03	.127	10109	24.4	33	-N		C	1552	.41	.40			E
CAPS	24	1552	1602D		N07	W04	.166	10109	24.4	10D	-N	3	V	1554	.80	.80		170	
093 MCMA	24	1758	1825	1759	S20	W34	.615	10103	22.2	27	-N		C	1759	.83	1.10			E 5
095 MCMA	24	1829	1900	1837	S20	W34	.615	10103	22.2	31	-N		C	1837	.52	.70			E 5
096 MCMA	24	1942	2005	1950	S20	W34	.615	10103	22.3	23	-N		C	1950	.36	.40			D 4
098 SACP	24	2241	2250	2244	S22	W31	.593	10103	22.6	9	-N		C		.32	.34			4
100 HALE	24	2303	2317	2305	S17	W15	.363	10108	23.8	14	-N	2	C	2305	.41	.40			4
101 SACP	24	2320	2328	2324	N07	W08	.204	10109	24.4	8	-N		C		.32	.31			4
102 MANI	25	0009	0015D		S11	W43	.691	10099	21.8	6D	-F	2		0011	.21	.29			4
104 MANI	25	0115	0201	0122	S31	W27	.629	10103	23.0	46	-F	2		0122	.46	.60			4
107 MANI	25	0310	0327	0315	N13	E12	.322	10109	26.0	17	-F	2		0315	.41	.44			4
111 ISTA	25	0642	0650	0644	N10	W09	.252	10109	24.6	8	-N	8							8
112 CAPS	25	0704	0714		S30	W31	.655	10103	23.0	10	-N	4	V	0705	.70	1.00		188	8
GRP23113	25	0705	0733	(0711)	N05	W45	.712	10100	21.9	28	-F				1.80				2 2 2 8
WEND	25	0658	0719		N04	W46	.723	10100	21.8	21	1F	8	P		3.09				
CAPS	25	0711	0747D		N05	W43	.688	10100	22.1	36D	-F	4	V	0711	.50	.70		157	
114 CAPS	25	0723	0734D		S18	W43	.711	10103	22.1	11D	-N	3	V	0723	.50	.70		182	9
116 CRON	25	0800	0824	0806	N18	E41	.705	10109	28.4	24	-N		C		1.10	1.50			8
117 CATA	25	0815	0825	0815	N08	W10	.238	10109	24.6	10	-B			0815	.52	.54		204	7
GRP23119	25	1013	1030	1025	N14	W03	.272	10109	25.2	17	-N				1.78				2 2 2 6
WEND	25	1000	1026D		N16	E09	.336	10109	26.1	26D	1F		V		3.09				
CATA	25	1025E	1030D	1025	N11	W15	.334	10109	24.3	5D	-B			1025	.46	.49		214	
120 CATA	25	1045E	1105D	1050	N17	E08	.344	10109	26.0	20D	-N			1050	.58	.62		200	5
122 MCMA	25	1308	1318	1311	N17	E05	.328	10109	25.9	10	-N		C	1311	.31	.30			E 6

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
124 SACP	25	1538	1544	1539	N08	E90	1.000	10116	1.4	6	-N		C		.32				6
GRP23126	25	1629	1646	1634	N09	E90	1.000	10116	1.4	17	-N				.31				2 2 1 7
CAPS	25	1628E	1644D		N10	E90	1.000	10116	1.4	16D	-N	1	S						
HALE	25	1629	1646	1634	N08	E90	1.000	10116	1.4	17	-N	2	C	1634	.31				
127 SACP	25	1657	1707	1657	N06	E90	1.000	10116	1.5	10	-N		C		.21				5
128 MCMA	25	1745E	1900		N12	E12	.310	10109	26.6	75D	-N		P	1750	1.03	1.10			E 6
129 HALE	25	1755	1800	1758	N06	E90	1.000	10116	1.5	5	-N	2	C	1758	.21				6
133 MCMA	25	1949	2004	1951	S13	W45	.719	10099	22.5	15	-N		C	1951	.72	1.00			E 4
136 HALE	25	2054	2124	2059	N14	E16	.378	10109	27.1	30	-F	2	C	2059	.72	.80			4
137 MCMA	25	2108	2113	2110	S17	W27	.511	10108	23.9	5	-F		C	2110	.21	.30			D 4
138 SACP	25	2220	2252	2224	N10	E83	.993	10116	1.2	32	-N		C		.53				5
140 MANI	25	2245	2305	2252	S26	W43	.743	10103	22.7	20	-F	2		2252	.52	.76			4
141 SACP	26	0000E	0007	0000U	S23	W43	.731	10103	22.8	7D	-F		C		.32	.38			4
144 MANI	26	0508E	0530	0513	S20	W56	.846	10103	22.0	22D	1F	2		0513	2.06	3.44			5
GRP23145	26	0600	0625	0607	N10	W24	.446	10109	24.5	25	-F				1.02				2 2 2 11
MANI	26	0600	0625	0607	N10	W25	.460	10109	24.4	25	-F	2		0607	.83	.92			
CAPS	26	0605E	0621D		N10	W23	.432	10109	24.5	16D	-F	1	V	0606	1.20	1.30			
147 ISTA	26	0615	0625		N10	W88	1.000	10110	19.7	10	-N								11
148 CAPS	26	0619E	0621D		S11	W56	.833	10099	22.1	2D	-N	1	S	0620	.80	1.30			C 12
GRP23150	26	0634	0705	0640	N13	E05	.263	10109	26.6	31	-B				1.60				2 2 1 13
CAPS	26	0634	0702D	0640	N12	E09	.278	10109	26.9	28D	-B	1	P	0640	1.60	1.70		258	H
ISTA	26	0640E	0705		N14	E01	.266	10109	26.4	25D	-N								
152 HTPR	26	0721	0734D		S20	W49	.781	10103	22.6	13D	-F		C	0727	.31	.50			9
154 MEUD	26	0854E	0904D		S15	W42	.690	10099	23.2	10D	-F		C	0900	.83	1.10			E 9
155 CATA	26	0910E	0940D	0915	N08	E85	.997	10116	1.8	30D	-B			0915	.69			204	6
156 ONDR	26	1015E	1031		N18	W21	.475	10109	24.9	16D	-F		V	1020			1.50		C 4
158 ONDR	26	1101	1112D		N18	W21	.475	10109	24.9	11D	1N		V	1102			1.80		CH 6
162 SACP	26	1220	1230	1223	S16	W46	.738	10099	23.1	10	-N		C		.32	.39			6
164 SACP	26	1223	1231	1226	S17	W32	.575	10108	24.1	8	-N		C		.32	.35			6
166 SACP	26	1424	1455	1428	S16	W76	.971	10105	20.9	31	-F		C		.53	1.19			7
167 MCMA	26	1455	1510	1458	S29	W53	.843	10103	22.6	15	-F		C	1458	.52	.90			E 4
168 MCMA	26	1513	1625	1518	S29	W53	.843	10103	22.7	72	-F		C	1518	.62	1.10			EK 6
170 HALE	26	1836	1839D	1836	S27	W52	.829	10103	22.9	3D	-F	1	P	1836	.31	.60			5
171 SACP	26	1853	1900	1856	S04	E02	.057	10123	26.9	7	-N		C		.32	.31			5
174 MCMA	26	2014	2037	2018	S28	W54	.848	10103	22.8	23	-F		C	2018	.52	.90			E 5
177 MCMA	26	2116	2220	2120	S24	W56	.854	10103	22.7	64	-N		C	2120	.41	.70			EL 5
178 MCMA	26	2225	2240	2227	S22	W56	.850	10103	22.7	15	-N		C	2227	.52	1.00			E 4
184 SACP	27	0054	0152D	0059	N20	E08	.386	10109	27.6	58D	-F	8	C		.63	.63			4
186 SACP	27	0141	0152D	0144	N09	E63	.896	10116	31.8	11D	-N		C		.55	.87			4
GRP23190	27	0607	0633	0615	N14	W11	.322	10109	26.4	26	-N				1.98				2 2 1 6
ISTA	27	0607	0630		N13	W11	.309	10109	26.4	23	-N								
ABST	27	0611E	0635D	0615	N14	W10	.313	10109	26.5	24D	1N		C	0615	1.98	2.00		68	E
GRP23191	27	0639	0705	0650	N09	E69	.937	10116	1.5	26	-N				.29				2 2 1 9
ISTA	27	0638	0704		N08	E68	.930	10116	1.4	26	-F	8							
CATA	27	0640	0705	0650	N09	E69	.937	10116	1.5	25	-B	8		0650	.29			209	

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
GRP23194	27	0733	0758	0739	N09	E62	.888	10116	1.0	25	-N				.76				2 2 2 11
MANI	27	0730	0800	0737	N08	E63	.895	10116	1.0	30	-F	2		0737	.83	1.62			
CATA	27	0735	0755	0740	N09	E61	.880	10116	31.9	20	-B	8		0740	.69	1.53		237	Z
GRP23195	27	1026	1052	(1036)	S16	W60	.874	10099	22.9	26	1F								2 2 0 8
ONDR	27	1026E	1054		S18	W59	.868	10099	23.0	28D	1F		V	1036			1.90		CHJ
HURB	27	1027E	1049		S14	W61	.880	10099	22.9	22D	1N						1.90		
197 ARCE	27	1055	1105	1058	N15	E78	.981	10116	2.3	10	-N		C	1058	.52	1.40			8
198 ZURI	27	1200	1209	1205	N07	W39	.640	10109	24.6	9	-F		C	1205	1.26	1.60			6
GRP23204	27	1836	1844	1839	S26	W70	.948	10103	22.5	8	-N				.36				2 2 2 7
SANM	27	1835	1845	1839	S25	W69	.942	10103	22.6	10	-N		C		.32				E
CANR	27	1836	1842	1839	S27	W70	.949	10103	22.5	6	-N		C		.40	1.00			
211 MANI	28	0235	0236D		N11	W52	.800	10109	24.2	1D	-F	1		0236	.46	.74			4
213 MANI	28	0353	0402	0356	N06	E57	.842	10116	1.4	9	-F	1		0356	.31	.56			7
214 HALE	28	0405	0412	0406	N29	E43	.777	10125	31.4	7	-F	2	C	0406	.31	.50			G 7
215 HALE	28	0415	0421	0417	S00	W65	.906	10107	23.3	6	-B	2	C	0417	.21				7
GRP23216	28	0416	0422	0419	S11	W80	.985	10099	22.2	6	-F				.54				2 2 2 7
ABST	28	0416	0420	0418	S12	W80	.985	10099	22.2	4	1N		C	0418	.72			73	DHK
MANI	28	0417E	0424	0419	S10	W79	.982	10099	22.3	7D	-F	1		0419	.36	.85			
217 MANI	28	0430E	0444		N10	W54	.818	10109	24.1	14D	-F	1		0434	.46	.74			7
219 MANI	28	0531	0540D	0534	S11	W80	.985	10099	22.2	9D	-F	1		0534	.41	1.06			9
GRP23221	28	0602	0617	0605	N08	W26	.462	10109	26.3	15	-F				.61				2 2 2 9
MANI	28	0600	0617	0602	N08	W27	.476	10109	26.2	17	-F	2		0602	.72	.82			
CAPS	28	0604	0617	0607	N07	W24	.427	10109	26.5	13	-N	4	V	0607	.50	.60		176	
225 MONT	28	0859	0916	0907	S09	W88	.999	10099	21.8	17	-N		C	0907	.72				14
226 MEUD	28	0909E	0909D		N11	W58	.856	10109	24.0		-F		C	0909	.31	.60			D 14
227 MEUD	28	0916E	0916D		N11	W58	.856	10109	24.0		-F		C	0916	.31	.60			D 12
GRP23232	28	1241	1252	1246	N17	E64	.911	10116	2.3	11	-F				.26				2 2 1 14
MCMA	28	1241	1252	1246	N18	E66	.925	10116	2.5	11	-N		C	1246	.26	.70			D
HURB	28	1245E	1250D		N15	E61	.886	10116	2.1	5D	1F						1.40		
233 ONDR	28	1300E	1313		S13	W62	.887	10108	23.9	13D	1B		V	1301			2.90		CJ 12
234 SACP	28	1309	1330	1314	S20	W78	.979	10103	22.7	21	-F		C		.53				12
236 SACP	28	1315	1331	1320	N10	E45	.721	10116	31.9	16	-N		C		.95	1.13			12
237 HURB	28	1326E	1340D		S14	W85	.996	10099	22.2	14D	2B						4.50		H 12
238 ONDR	28	1412E	1432	1419	S13	W63	.895	10108	23.9	20D	1B		V	1419			3.70		CHJ 10
241 MONT	28	1421	1427D	1426	S09	W88	.999	10099	22.0	6D	-N		C	1426	.77				10
244 MCMA	28	1502	1530D	1508	N11	W62	.890	10109	24.0	28D	-N	8	C	1508	.36	.80			D 8
245 ONDR	28	1525E	1540	1528	S13	W64	.902	10108	23.8	15D	1F		V	1528			2.00		CJ 10
247 CANR	28	1701	1709	1705	S18	W85	.996	10103	22.3	8	-N		C		.30	1.00			8
248 MCMA	28	1730	1740	1732	N11	W63	.897	10109	24.0	10	-N		C	1732	.31	.70			E 6
249 SACP	28	1744	1759	1746	N13	E43	.706	10116	1.0	15	-N		C		.10	.12			6
258 CRON	29	0023	0030	0025	S10	E90	1.000	10121	4.8	7	-B		C		.40	1.60			4
260 MANI	29	0247E	0310		S14	W74	.962	10108	23.6	23D	-F	2		0248	.41	.90			4
262 MANI	29	0430	0510	0435	S15	W71	.948	10108	23.9	40	-N	2		0435	.72	1.57			3
263 ISTA	29	0615E	0747		N12	W69	.938	10109	24.1	92D	-F								8
264 BUCA	29	0641	0700		S20	W85	.996	10103	22.9	19	-F		C	0648	.57				A 7
265 ISTA	29	0750	0758		N05	E43	.687	10116	1.6	8	-F								9

SOLAR FLARES
Unconfirmed
MAY 1969

OBSERV-ATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
	1969 MAY																		
267 CATA	29	0910	0930D	0920	N20	W40	.701	10109	26.4	20D	-N			0920	.58	.79		178	8
268 BUCA	29	0911E	1030D		N10	W67	.924	10109	24.4	79D	-F		C	0920	.65	1.60			8
273 ABST	29	1137	1145D	1139	N10	W75	.968	10109	23.9	8D	1N		C	1139	1.08			64	D 7
274 MCMA	29	1158	1215	1201	N18	W29	.564	10109	27.3	17	-N		C	1201	1.24	1.50			E 8
275 MCMA	29	1232	1300		N06	W46	.725	10109	26.1	28	-F		C	1250	.83	1.20			7
276 MCMA	29	1307	1312	1308	S16	W81	.988	10108	23.5	5	-N		C	1308					D 9
278 CATA	29	1405E	1410D	1405	S10	W78	.978	10108	23.7	5D	-B			1405	.58			339	9
279 CATA	29	1405E	1410D	1405	N15	W73	.961	10109	24.1	5D	-B			1405	.46			251	9
282 ONDR	29	1441E	1518	1456	S13	W72	.952	10108	24.2	37D	1B		V	1456			3.00		7
284 MCMA	29	1511	1530	1517	N07	E38	.626	10116	1.5	19	-N		C	1517	.52	.60			EH 7
285 MCMA	29	1521	1528	1523	S16	W80	.985	10108	23.6	7	-N		C	1523					D 6
286 MCMA	29	1553	1558	1555	S16	W80	.985	10108	23.7	5	-F		C	1555					D 9
287 MCMA	29	1650	1710		N07	W47	.738	10109	26.2	20	-F		C	1655	.41	.60			EH 7
291 MCMA	29	1803	1824	1813	S16	W81	.988	10108	23.7	21	-N		C	1813					D 4
292 MCMA	29	1832	1842	1835	S16	W81	.988	10108	23.7	10	-N		C	1835					D 4
299 MANI	30	0022E	0026	0023	S13	W80	.985	10108	24.0	4D	-N	1		0023	.31	.80			5
300 MANI	30	0028	0046	0030	N12	W78	.980	10109	24.2	18	-F	2		0030	.36	.89			5
305 HURB	30	0534E	0554D		S14	W84	.994	10108	23.9	20D	2N						2.80		H 7
308 BUCA	30	0722E	0735D		N10	W85	.997	10109	23.9	13D	-F		C	0725	.40				A 11
GRP23309	30	0728	0735	0728	N07	E28	.485	10116	1.4	7	-F				.67				2 2 1 11
ARCE	30	0728E	0730	0728	N09	E27	.480	10116	1.3	2D	-F		P	0728	.67	.80			
CAPS	30	0730E	0739D		N04	E28	.476	10116	1.4	9D	-F	2	V						
310 BUCA	30	0740E	0830D		N10	W85	.997	10109	23.9	50D	-F		C	0745	.07				D 10
311 CAPS	30	0800E	0815D		N04	E28	.476	10116	1.4	15D	-F	2	V	0802	1.00	1.10		148	C 10
314 ONDR	30	1046E	1053		N11	W82	.991	10109	24.3	7D	-B		V	1047			2.40		CD 6
315 MCMA	30	1206E	1235		S16	W90	1.000	10108	23.8	29D	-N		C	1206					3
316 MCMA	30	1206E	1235	1213	N12	W88	1.000	10109	23.9	29D	-N	8	C	1213					E 5
318 ONDR	30	1247E	1257		S16	W85	.996	10108	24.2	10D	1N		V	1249			2.40		C 5
319 MCMA	30	1330	1342	1331	S16	W90	1.000	10108	23.8	12	-N		C	1331					D 6
320 MCMA	30	1404	1420	1410	S16	W90	1.000	10108	23.8	16	-B		C	1410					5
321 HALE	30	1613	1622	1616	N03	E22	.380	10116	1.3	9	-F	1	C	1616	.57	.60			F 6
GRP23322	30	1720	1740	1727	S13	W85	.996	10108	24.3	20	-B				.15				2 2 1 7
MCMA	30	1718	1740	1729	S13	W90	1.000	10108	24.0	22	-N		C	1729					
HALE	30	1722	1740	1724	S13	W80	.985	10108	24.7	18	-B	3	C	1724	.15				
325 HALE	30	1958	2008	1959	N06	E90	1.000	10128	6.6	10	-B	2	C	1959	.31				3
327 HALE	31	0001E	0133	0007	N11	W90	1.000	10109	24.3	92D	-F	1	P	0007	.31				5
330 CATA	31	1530E	1550D	1540	S14	E44	.713	10121	3.9	20D	-F			1540	.52	.74		138	10
332 HALE	31	2317	0005	2320	N07	E04	.152	10116	1.3	48	-N	2	P	2320	.46	.50			4