

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS. COND. TYPE	MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH PLAGE REGION	CMP. DAY				TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg.	
					LAT.	MER. DIST.										
347 CULG	01 0042	0059	0107	S21 E78	.989	16267	6.9	25	-N	C	0059	80		T ZX		
348 CULG	01 0050 IMP.1 NO : BIGB	0107 PALE	0119	N05 W76	.968	16239	26.3	29	?F	C	0107	180		KT ZX		
349 CULG	01 0141	0143	0154	N20 E20	.395	16252	2.6	13	-N	C	0143	70	.8	ZX		
350 CULG	01 0315	0318	0330	N18 E46	.720	16263	4.6	15	-N	C	0318	70	1.0	L ZX		
GRP77351	01 0323>9	0341 0414+4	0430	N12 E52	.782	16264	5.0	67	1N			140	2.3	K		
CULG	01 0323	0418	0442	N09 E52	.782	16264	5.0	79	-N	C	0418	90	1.0	TK		
PALE	01 0340	0341	0342	N12 E52	.782	16264	5.1	2	-F	3 C		33		OE		
PALE	01 0401	0404	0408	N12 E52	.782	16264	5.1	7	-F	3 C		28		DE		
TACH	01 0412	0414	0430	N12 E51	.771	16264	5.0	18	1N	V	0414	194	3.1	D		
352 CULG	01 0342	0346	0355	N18 E46	.720	16263	4.6	13	-F	C	0346	60	.8	LK ZX		
353 CULG	01 0350	0405	0426	S21 E76	.984	16267	6.9	36	-N	C	0405	100		T ZX		
354 CULG	01 0401	0433U	0443	N06 W80	.983	16239	26.2	42	-F	C	0433	30		TK ZX		
355 CULG	01 0421	0424	0436	N20 E19	.382	16252	2.6	15	-N	C	0424	110	1.2	ZX		
356 CULG	01 0448	0457	0512	S22 W38	.735	16253	29.4	24	-N	C	0457	30	.5	ZX		
357 CULG	01 0525	0533	0549	N05 W78	.976	16239	26.4	24	-F	C	0533	50		T ZX		
358 CULG	01 0559	0600	0606	N09 E52	.782	16264	5.1	7	-N	C	0600	40	.5	T ZX		
359 ISTA	01 0620E IMP.1 NO : HTPR		0633	S20 E90	1.001	16267	8.0	13D	?N	V				AB ZX		
360 ISTA	01 0635		0643	N11 E51	.771	16264	5.1	8	-N	V				D ZX		
GRP77361	01 0644+0	0651	0653	N21 E47	.736	16263	4.8	9	-F					D		
HTPR	01 0644	0651	0652	N20 E46	.723	16263	4.7	8	-F	C	0651	20	.3			
ISTA	01 0644		0653	N22 E48	.749	16263	4.9	9	-N	V				D		
362 HTPR	01 0731	0733	0737	N12 E52	.782	16264	5.2	6	-F	C	0733	20	.3	ZX		
363 ABST	01 0734 IMP.1 NO : HTPR	0736 MONT	0740	N15 W81	.983	16238	26.2	6	?N	C	0736	87		D ZX		
364 KANZ	01 0749	0753	0801	N07 W89	.999	16239	25.7	12	-N	3				ZX		
365 HTPR	01 1002	1009	1029	N20 E45	.712	16263	4.8	27	-N	C	1009	50	.7	E ZX		
366 HTPR	01 1005	1008	1015	S20 E75	.980	16267	7.0	10	-N	C	1008	30		ZX		
367 KANZ	01 1217	1221	1233	N06 W89	1.000	16239	25.8	16	-N	2				ZX		
368 HTPR	01 1231	1237	1253	N18 E45	.708	16263	4.9	22	-F	C	1237	20	.3	E ZX		
GRP77369	01 1425+3	1431+2	1453	N18 E43	.685	16263	4.8	28	-F					D		
LVOV	01 1425	1433	1500	N18 E42	.787	16263	4.8	35	-F	C	1433	100	1.4	D		
HTPR	01 1428	1431	1445	N18 E44	.697	16263	4.9	17	-F	C	1431	20	.3			
GRP77370	01 1437+3	1439+1	1449	N17 W76	.964	16238	26.9	12	-F							
BIGB	01 1437	1439	1449	N16 W77	.968	16238	26.8	12	-N	2 C	1439	70				
KANZ	01 1440	1440	14440	N18 W76	.964	16238	26.9	40	-F	2						
GRP77371	01 1453+5	1505+2	1534	N19 E44	.699	16263	4.9	41	-F					E		
HUAN	01 1453	1515	1519	N18 E45	.708	16263	5.0	26	-F	* C	1454	30	.4	E		
HOLL	01 1457	1515	1551	N20 E42	.677	16263	4.8	54	-F	* C		75		F		
BIGB	01 1457	1505	1540	N19 E44	.699	16263	4.9	43	-N	* C	1505	80	1.1			
HTPR	01 1458	1507	1525	N19 E44	.699	16263	4.9	27	-F	* C	1503	30	.4	E		
KANZ	01 1525E		1537	N18 E43	.685	16263	4.9	12D	-N	*						
GRP77372	01 1456+2	1458+4	1518	S23 W43	.785	16253	29.4	22	-F			60	.9			
HOLL	01 1456	1458	1515	S23 W44	.794	16253	29.3	19	-F	3 C		39				
BIGB	01 1458	1502	1520	S23 W42	.686	16253	29.5	22	-N	2 C	1502	80	1.1			

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP77402	02	1129	1141+0	1220	N17	H89	.999	16238	26.8	51	-F							
KANZ	02	1129	1141	1220	N18	H88	.997	16238	26.9	51	-N	2						
KHAR	02	1134E	1141	1154D	N17	H90	.999	16238	26.7	200	-F		P					
GRP77403	02	1337+8	1345+4	1409	N11	E31	.512	16264	4.9	32	-F						J	
LVOV	02	1337	1349	1412	N10	E32	.526	16264	5.0	35	-F	C	1349	150	1.8		J	
HOLL	02	1345	1345	1405	N13	E30	.501	16264	4.8	20	-F	3	C		41			
404 BIGB	02	1735	1737	1745	N15	H63	.884	16258	29.0	10	-N	2	C	1737	30	.7		ZX
405 BIGB	02	1837	1842	1932	N15	H63	.884	16258	29.1	55	-N	2	C	1842	60	1.4		ZX
406 BIGB	02	2004	2006	2008D	S25	E65	.945	16267	7.7	40	-N	2	P	2006	20			ZX
407 BIGB	02	2029	2041	2101	S20	E65	.936	16267	7.7	32	-B	3	C	2041	50			ZX
408 BIGB	02	2255	2257	2303D	S32	H90	1.002	16241	27.2	80	-N	3	P	2257	40			ZX
409 VORO	02	2318	2319	2323	N19	H66	.906	16258	29.0	5	-N		C	2319	45	1.1	EJ	ZX
410 VORO	02	2339	2340	2343	N07	H03	.052		2.8	4	-F		C	2341	45	.5	DJ	ZX
411 VORO	03	0030	0032	0040	S32	E14	.662	16265	4.1	10	1F		C	0032	161	2.1	EG	ZX
412 CULG	03	0120	0124	0154D	N18	E25	.448	16263	4.9	340	-F		P	0124	60	.7		ZX
GRP77413	03	0415+9	0430+9	0517	S23	E56	.887	16267	7.4	62	1N				230	4.7	EJV	
CULG	03	0415	0439	0530	S22	E55	.877	16267	7.3	75	1N		C	0439	160	3.2	F	
MITK	03	0424	0430	0513	S22	E57	.891	16267	7.5	49	1F		C	0430	200	4.3	E	
TACH	03	0426	0434	0525	S22	E56	.884	16267	7.4	59	2N		C	0434	301	6.6	E	
PURP	03	0433	0442	0502	S25	E64	.940	16267	8.0	29	2B		C		340			
MANI	03	0435E	0435	0450	S19	E55	.868	16267	7.3	150	1B	3	C		200			
ABST	03	0457E	0459	0525	S24	E55	.883	16267	7.3	280	1N		P	0459	131	3.4	EJ	
ABST	03	0516	0517	0520	S24	E55	.883	16267	7.3	4	1N		C	0517	131	3.4	DV	
414 CULG	03	0441	0443	0451	N15	E29	.492	16264	5.4	10	-N		C	0443	40	.5		ZX
GRP77415	03	0520+0	0522+2	0535	N17	H07	.207	16252	2.7	15	-N						DV	
ABST	03	0520	0522	0530	N17	H07	.207	16252	2.7	10	-N		C	0522	87	.9	DV	
CULG	03	0520	0524	0540	N17	H07	.207	16252	2.7	20	-N		C	0524	20	.2		
GRP77416	03	0552+3	0605+2	0641	N19	H16	.334	16252	2.0	49	1N						F	
CULG	03	0552	0607	0641D	N19	H16	.334	16252	2.0	49D	1N		P	0607	220	2.3	F	
PURP	03	0555	0605	0623	N17	H17	.330	16252	2.0	28	1N		C					
CATA	03	0605E	0620	0655D	N20	H15	.331	16252	2.1	50D	1N	2	P	0620	224	2.4		
417 ABST	03	0733	0736	0750	N17	H67	.913	16258	29.3	17	?N		C	0736	131		D	ZX
		IMP.1	NO 1	PURP	CATA	KANZ												
GRP77418	03	0734+7	0745	0756	S21	H68	.953	16253	29.2	22	-F						D	
ISTA	03	0734		0758	S21	H67	.948	16253	29.3	24	-N		V				D	
KANZ	03	0741	0745	0753	S22	H69	.959	16253	29.1	12	-F	1						
GRP77419	03	0824+1	0828	0838	S21	H68	.953	16253	29.2	14	-N						E	
KANZ	03	0824	0828	0839	S22	H69	.959	16253	29.2	15	-N	1					E	
ISTA	03	0825		0837	S21	H67	.948	16253	29.3	12	-N		V					
420 KHAR	03	0915E		1025D	S22	H78	.990	16253	28.5	70D	-N		P	0919	65		DH	ZX
421 KHAR	03	0926E	0926	0936D	N12	H20	.347	16252	1.9	100	-F		P	0926			E	ZX
422 KHAR	03	0927E		0938D	S21	H14	.521	16271	2.3	110	-F		V	0927			D	ZX
423 KHAR	03	0930E		0939D	S20	E52	.847	16267	7.3	90	-F		P	0935	55	1.0	D	ZX
424 KHAR	03	0948	0949	1022D	N13	E12	.227	16260	4.3	340	-F		P	0949			DL	ZX
425 KHAR	03	0955	0957	1020D	N13	E35	.572	16269	6.0	250	-N		P	0958	85	1.2		ZX
GRP77426	03	1156	1203	1229	N20	E17	.356	16263	4.8	33	1N						EJ	
LVOV	03	1156	1203	1228	N20	E17	.356	16263	4.8	32	1N		C	1203	300	3.2	BJ	
KHAR	03	1210E		1230D	N21	E17	.366	16263	4.8	200	1F		P	1218	330	3.6	BE	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MEMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA Sq Deg	
					LAT.	MER. DIST.											
427 KHAR	03	1210E		1230D	N13	E34	.558	16269	6.1	200	?F	P	1218	300	3.7	B	ZX
		IMP.1	NO : KANZ	LV0V													
428 HGLL	03	1421	1421	1455	N12	E16	.284	16264	4.8	34	-F	3 C		24			ZX
429 BIGB	03	1759	1800	1806	N14	E34	.560	16269	6.3	7	-N	3 C	1800	10	.1		ZX
GRP77430	03	1856+1	1859+2	1918	N14	E30	.503	16269	6.0	22	-B			100	1.2		U
BIGB	03	1856	1901	1919	N15	E32	.534	16269	6.2	23	-B	3 C	1901	70	.9		
RAMY	03	1857	1859	1915	N14	E29	.489	16269	6.0	18	-B	2 C		100			UDE
HOLL	03	1857	1859	1921	N14	E29	.489	16269	6.0	24	-B	3 C		138			DE
PALE	03	1905E	1905U	1917	N14	E32	.532	16269	6.2	120	-B	2 C		109			UDE
431 BIGB	03	1918	1920	1935	N24	W28	.525	16252	1.7	17	-F	3 C	1920	20	.2		ZX
432 HOLL	03	2101	2113	2117	N15	E30	.506	16269	6.1	16	-F	3 C		28			ZX
433 BIGB	03	2150	2155	2239D	S24	E50	.847	16267	7.7	490	-N	3 P	2155	80	1.3		ZX
434 VORO	03	2224	2225	2228D	S21	W19	.557	16271	2.5	40	-N	C	2225	90	1.0	E	ZX
GRP77435	04	0736	0742	0805	N13	W34	.558	16252	1.8	29	-N						DK
			0800														
TELV	04	0736	0748	0748D	N13	W34	.558	16252	1.8	120	-N	3		30	.3		K
ABST	04	0741E	0742	0806D	N13	W34	.558	16252	1.8	250	-N	P	0742	131	1.6		D
TELV	04	0757	0800	0804	N13	W34	.558	16252	1.8	7	-N	3		24	.3		
436 ABST	04	0742E	0748	0806D	S21	W25	.608	16271	2.4	240	-F	P	0748	87	1.1	D	ZX
GRP77437	04	0853>9		0940D	S21	W26	.617	16271	2.4	47	-F						EH
KHAR	04	0853E		0940D	S22	W26	.626	16271	2.4	470	-F	* P	0915				EHT
KANZ	04	0903		0914D	S21	W26	.617	16271	2.4	110	-N	*					
GRP77438	04	0858+0	0900+1	0914	N15	W33	.548	16252	1.9	16	-N						EHL
TELV	04	0858	0900	0904	N16	W33	.551	16252	1.9	6	-N	2		35	.4		
KHAR	04	0858E	0901	0906D	N11	W35	.570	16252	1.7	80	-F	P	0901				HLT
KANZ	04	0859E	0914	0914D	N15	W33	.548	16252	1.9	150	-N	2					L
KHAR	04	0913E		0926D	N11	W34	.556	16252	1.8	130	-N	P	0913	150	1.9		EHLT
439 KHAR	04	0954E		1018D	S22	W26	.626	16271	2.5	240	-F	P					HT ZX
GRP77440	04	0958E	1006	1017	N12	W35	.571	16252	1.8	19	-F						H
KHAR	04	0958E		1024D	N12	W36	.585	16252	1.7	260	-F	P	1010				HT
KANZ	04	1002E	1006	1010	N13	W34	.558	16252	1.9	80	-N	1					
441 KHAR	04	1101E	1118	1155D	N14	E21	.370	16269	6.0	540	-F	P	1118				D ZX
442 KHAR	04	1125E		1132D	N13	E90	1.000	16275	11.2	70	-N	P	1126				DH ZX
443 KHAR	04	1128E		1145D	S21	W28	.635	16271	2.4	170	-F	P	1139				T ZX
444 KHAR	04	1151E		1212D	S22	W27	.635	16271	2.5	210	-F	P					T ZX
	04	1320	1348	NO FLARE PATROL													
445 HOLL	04	1343	1343	1404	N15	E21	.375	16269	6.1	21	-N	3 C		114			F ZX
	04	1407	1416	NO FLARE PATROL													
GRP77446	04	1440>9	1521	1624	S21	W29	.644	16271	2.4	104	-N						
			1603														
HOLL	04	1440	1521	1628	S21	W29	.644	16271	2.4	108	-N	3 C		42			
BIGB	04	1600	1603	1620	S21	W29	.644	16271	2.5	20	-N	2 C	1603	40	.5		
GRP77447	04	1518+3	1526	1601	N13	W33	.544	16252	2.2	43	-F			40	.5		E
			1538														
HTPR	04	1518E		1600	N13	W30	.501	16252	2.4	420	-F	* C	1530	30	.3		E
BIGB	04	1521	1526	1602	N15	W35	.576	16252	2.0	41	-F	* C	152E	50	.6		
BIGB	04	1536	1538	1544	N12	W37	.598	16252	1.9	8	-F	* C	1538	50	.6		
GRP77448	04	1608+6	1618+1	1654	N16	W33	.551	16252	2.2	46	-N						E
HOLL	04	1415	1618	1641	N14	W36	.588	16252	1.9	146	IN	* C		187			OE
HTPR	04	1608		1712D	N19	W31	.535	16252	2.3	64D	-N	* C	1616	50	.6		E
HTPR	04	1610	1618	1700	N14	W34	.560	16252	2.1	50	-N	* C	1618	40	.5		E
BIGB	04	1614	1619	1654	N17	W33	.554	16252	2.2	40	-N	* C	1619	120	1.5		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McNATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq. Deg.
					LAT.	MER. DIST.											
469 TELV	05	0800	0804	0811	N21	H13	.320	16263	4.4	11	-N	3		27	.3	ZX	
470 ISTA	05	0837		0858	N12	E69	.927	16275	10.5	21	?N		V			KU ZX	
		IMP.1 NO : HTPR		CATA													
471 ISTA	05	0905		0910	N21	H05	.252	16263	5.0	5	-F		V			D ZX	
GRP77472	05	1044+2	1049+1	1058	N11	H09	.168	16264	4.8	14	-F			30	.3	E	
TELV	05	1044	1049	1059	N11	H08	.152	16264	4.8	15	-N	3		32	.3		
HTPR	05	1046	1050	1057	N12	H10	.190	16264	4.7	11	-F		C 1050	30	.3	E	
473 HTPR	05	1049	1050	1055	S21	H41	.757	16271	2.4	6	-F		C 1050	20	.3	ZX	
474 TELV	05	1102	1104	1112	N04	E06	.118		5.9	10	-N	3		6		ZX	
475 TELV	05	1140	1144	1151	N21	H17	.365	16263	4.2	11	-N	3		30	.3	ZX	
476 TELV	05	1304	1305	1310	N13	H34	.552	16252	3.0	6	-N	3		61	.7	ZX	
477 TELV	05	1308	1309	1314	S02	E20	.374		7.0	6	-N	3		27	.3	ZX	
GRP77478	05	1423+1	1425+0	1435	N15	E77	.969	16275	11.4	12	-N			90		A	
HTPR	05	1423	1425	1434	N14	E75	.960	16275	11.2	11	-N		C 1425	80			
BIGB	05	1424	1425	1436	N16	E79	.976	16275	11.5	12	-B	2	C 1425	100		A	
479 HOLL	05	1528	1529	1536	N19	H51	.776	16252	1.8	8	-F	3	C	26		ZX	
480 HOLL	05	1654	1654	1701	N13	H51	.771	16252	1.9	7	-F	3	C	18		ZX	
GRP77481	05	1802+1	1808+0	1835	N12	H13	.236	16264	4.8	33	-N			50	.5	G	
BIGB	05	1802	1808	1842	N12	H11	.205	16264	4.9	40	-N	3	C 1808	70	.7	G	
HOLL	05	1803	1808	1828	N13	H14	.258	16264	4.7	25	-N	3	C	45		F	
HUAN	05	1804E		1815D	N12	H13	.236	16264	4.8	11D	-F	1	P 1808	40	.4	E	
482 BIGB	05	1958	2012	2038	N37	H69	.933		31.7	40	-F	3	P 2012	40		G ZX	
483 BIGB	05	2012	2018	2027	N16	E02	.156	16269	6.0	15	-F	3	P 2018	30	.3	ZX	
484 CULG	05	2135	2136	2140	S18	H47	.797	16271	2.4	5	-F		C 2136	20	.4	ZX	
485 CULG	05	2211	2212	2218	S16	E07	.411	16276	6.4	7	-F		C 2212	60	.7	ZX	
486 CULG	05	2241	2242	2244D	N09	E60	.860	16275	10.4	3D	-F		C 2242	10	.2	ZX	
487 CULG	05	2335	2340	2355	S21	E14	.521	16267	7.0	20	-F		C 2340	70	.8	F ZX	
488 CULG	06	0021	0024	0031	N15	E00	.135	16269	6.0	10	-N		C 0024	80	.8	T ZX	
489 CULG	06	0042	0043	0050	S16	E06	.407	16276	6.5	8	-F		C 0043	20	.2	ZX	
490 CULG	06	0122	0126	0131	N17	H60	.859	16252	1.6	9	-F		C 0126	20	.4	ZX	
491 CULG	06	0213	0214	0222	N14	H04	.136	16269	5.8	9	-N		C 0214	160	1.6	T ZX	
492 ABST	06	0523	0526	0530	N14	H02	.123	16269	6.1	7	-N		C 0526	87	.9	O ZX	
493 ISTA	06	0612E		0630D	N11	E56	.823	16275	10.5	18D	-N		V			D ZX	
GRP77494	06	0613+3	0616+0	0638	N14	H62	.876	16252	1.6	25	-N					J	
			0630														
ABST	06	0613	0616	0638	N14	H64	.892	16252	1.5	25	1N		C 0616	174		FJ	
CULG	06	0613	0616	0625	N13	H65	.900	16252	1.4	12	-F		C 0616	50	1.0		
ISTA	06	0616		0621	N12	H62	.876	16252	1.6	5	-N		V			E	
CULG	06	0625	0630	0639	N20	H60	.861	16252	1.8	14	-N		C 0630	60	1.2		
GRP77495	06	0724+2	0726+1	0731	N14	H04	.136	16269	6.0	7	-F					EJ	
ABST	06	0724	0727	0731	N14	H04	.136	16269	6.0	7	-F		C 0727	131	1.3	EJ	
KANZ	06	0725	0726	0734	N14	H04	.136	16269	6.0	9	-F	3					
MONT	06	0726	0727	0731	N14	H05	.145	16269	5.9	5	-F		C 0727	50			
GRP77496	06	0725+5	0729+1	0758	N20	H20	.394	16263	4.8	33	-F			50	.5	EJ	
HTPR	06	0725	0730	0759	N20	H20	.394	16263	4.8	34	-F		C 0730	30	.3	E	
MONT	06	0727	0729	0752	N21	H19	.390	16263	4.9	25	-F		C 0729	50		E	
ABST	06	0727	0730	0740D	N19	H22	.413	16263	4.7	13D	-N		P 0730	131	1.4	EJ	
WEND	06	0727		0801	N20	H21	.407	16263	4.7	34	-F		C 0736	56	.7		
KANZ	06	0730	0730	0757	N22	H17	.376	16263	5.0	27	-N	3					

H α SOLAR FLARES
SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OB: COND. TYPE	MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY				TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq. Deg.		
					LAT.	MER. DIST.											
GRP77497	06	0729>9	0737+5	0758	N11	E56	.823	16275	10.5	29	-F						
HTPR	06	0729	0737	0755	N10	E57	.833	16275	10.6	26	-F						
WEND	06	0732		0807	N11	E56	.823	16275	10.5	35	-N	C	0732	30	.6		T
KANZ	06	0738	0738	0753	N11	E56	.823	16275	10.5	15	-F	3					
ATHN	06	0740	0742	0801	N14	E62	.876	16275	11.0	21	-N	1	0742	49	.9		
GRP77498	06	0819+0	0819	0835	S15	E42	.734	16274	9.5	16	-F						G
KANZ	06	0819	0819	0834	S16	E43	.749	16274	9.6	15	-F	3					G
WEND	06	0819		0836	S15	E42	.734	16274	9.5	17	-F		C	0820	38	.5	G
GRP77499	06	0822+1	0824+1	0829	N14	W05	.145	16269	6.0	7	-F						
MONT	06	0822	0824	0829	N14	W05	.145	16269	6.0	7	-F		C	0824	50		
KANZ	06	0823	0825	0829	N14	W05	.145	16269	6.0	6	-F	3					
GRP77500	06	0906+1	0907+0	0911	N20	W62	.877	16252	1.7	5	-F						
HTPR	06	0906	0907	0910	N19	W60	.860	16252	1.9	4	-F		C	0907	20	.4	E
MONT	06	0906	0907	0911	N20	W64	.892	16252	1.6	5	-F		C	0907	50		D
KANZ	06	0907	0907	0913	N20	W62	.877	16252	1.7	6	-N	3					
GRP77501	06	0949+2	0955+2	1002	N21	W20	.402	16263	4.9	13	-F						E
KANZ	06	0949	0957	1005	N21	W21	.415	16263	4.8	16	-F	3					
MONT	06	0951	0955	0958	N21	W20	.402	16263	4.9	7	-F		C	0955	60		E
502 TELV	06	1148	1151	1201	N18	W67	.913	16252	1.5	13	-F	3			16		T ZX
GRP77503	06	1210+2	1211+1	1224	N22	W60	.862	16252	2.0	14	1N				110	2.3	F
WEND	06	1210	1212	1224	N22	W60	.862	16252	2.0	14	1N		C	1212	105	2.3	
TELV	06	1211	1211	1226	N18	W65	.899	16252	1.6	15	-N	3			61		F
TELV	06	1211	1212	1214	N19	W56	.825	16252	2.3	3	-N	3			49	.9	F
KANZ	06	1212	1212	1223	N22	W63	.885	16252	1.8	11	1N	2					
GRP77504	06	1332+1	1336	1346	N16	W63	.884	16252	1.8	14	-N				80	1.8	
WEND	06	1332		1339D	N17	W63	.884	16252	1.8	70	-N		C	1337	80	1.9	
HOLL	06	1333	1336	1346	N16	W64	.892	16252	1.8	13	-N	3	C		80		
505 HOLL	06	1350	1355	1402	N17	W61	.868	16252	2.0	12	-F	3	C		30		ZX
506 HOLL	06	1411	1412	1418	N17	W61	.868	16252	2.0	7	-F	3	C		19		ZX
GRP77507	06	1534+1	1537+2	1557	N17	W61	.868	16252	2.1	23	1F				110	2.3	
BIGB	06	1534	1537	1557	N18	W60	.860	16252	2.1	23	1N	2	C	1537	120	2.5	
HOLL	06	1535	1539	1556	N17	W63	.884	16252	1.9	21	-F	3	C		103		
508 BIGB	06	1601	1604	1610	N21	W66	.907	16252	1.7	9	-N	2	C	1604	20		ZX
GRP77509	06	1636>9	1637	1656	N16	W65	.899	16252	1.8	20	-N				50	1.2	
			1646+1														
BIGB	06	1636	1637	1700	N16	W64	.892	16252	1.9	24	-N	2	C	1637	20	.5	
HOLL	06	1637	1647	1657	N17	W64	.892	16252	1.9	20	-B	3	C		64		DE
BIGB	06	1645	1646	1658	N16	W68	.920	16252	1.6	13	-N	2	C	1646	50		
WEND	06	1646		1654	N17	W65	.899	16252	1.8	8	-F		C	1648	30		
HUAN	06	1646		1653	N15	W62	.920	16252	1.6	7	-F	1	C				
510 BIGB	06	1930	1932	1945	N23	W26	.493	16263	4.9	15	-F	2	C	1932	30	.3	ZX
511 BIGB	06	1950	1951	2011	S17	W05	.418	16276	6.5	21	-N	2	C	1951	20	.2	ZX
	06	2040	2055	NO FLARE PATROL													
512 BIGB	06	2055E	2055	2100	N18	E48	.737	16275	10.5	50	-N	2	P	2055	40	.6	ZX
513 BIGB	06	2103	2104	2112	N20	W65	.899	16252	2.0	9	-N	2	C	2104	50		ZX
GRP77514	06	2205+0	2207+0	2229	N18	E49	.753	16275	10.6	24	-F				45	.7	
BIGB	06	2205	2207	22120	N18	E49	.753	16275	10.6	70	-N	2	P	2207	30	.5	
CULG	06	2205	2207	2229	N19	E50	.765	16275	10.7	24	-F		C	2207	60	1.0	
515 VORO	06	2224	2226	2230	N12	W14	.252	16269	5.9	6	-F		C	2226	36	.4	DHJ ZX
516 VORO	06	2236	2238	2243	N19	E51	.776	16275	10.8	7	-F		C	2238	45	.7	D ZX
517 CULG	06	2244	2250	2317	N21	W35	.595	16263	4.3	33	-N		C	2250	120	1.6	UV ZX
GRP77518	06	2354+3	2356+1	2359	S16	W07	.411	16276	6.5	5	-F				90	1.0	
CULG	06	2354	2356	2359	S16	W07	.411	16276	6.5	5	-N		C	2356	110	1.2	
VORO	06	2357	2357	2359D	S16	W07	.411	16276	6.5	20	-F		C	2357	72	.8	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.											
519 VORO	07	0020	0021	0025	N20	W70	.932	16252	1.8	5	-N	C	0022	36		D	ZX
GRP77520	07	0055+2	0057+2	0116	S17	W06	.422	16267	6.6	21	1B						HJLSZ
CULG	07	0055	0057	0120	S16	W08	.416	16267	6.4	25	2B	C	0057	460	5.1		SLH
VORO	07	0057	0059	0111	S17	W06	.422	16267	6.6	14	1N	C	0059	197	2.1		EHJ
BIGB	07	0057	0058	01020	S17	W08	.431	16267	6.4	50	-B	1 P	0058	40	.4		ZOE
MANI	07	0100E	0100U	01100	S18	W05	.434	16267	6.7	100	-B	3 C		180			F
PALE	07	0105E	0105U	01050	S18	E00	.427	16267	7.0		-F	2 C		42			
521 VORO	07	0134	0137	0144	N15	W16	.301	16269	5.9	10	-N	C	0137	99	1.0	EH	ZX
522 CULG	07	0216	0219	0230	N15	W15	.286	16269	6.0	14	-F	C	0219	100	1.0	T	ZX
523 CULG	07	0311	0316	0323	S15	W08	.401	16276	6.5	12	-F	C	0316	60	.7		ZX
524 CULG	07	0352	0359	0406	N15	W15	.286	16269	6.0	14	-F	C	0359	50	.5	KT	ZX
525 CULG	07	0408	0411	0415	N13	W39	.626	16260	4.2	7	-F	C	0411	70	.9	L	ZX
526 CULG	07	0425	0433	0508	N21	W72	.943	16252	1.8	43	2N	C	0433	240			ZX
527 CULG	07	0503	0518	0542	N21	W39	.644	16263	4.3	39	-F	C	0518	80	1.0		ZX
GRP77528	07	0515+1	0519+2	0534	S19	W10	.470	16276	6.5	19	-N						DL
CULG	07	0515	0519	0541	S18	W12	.468	16276	6.3	26	1N	C	0519	250	2.8		L
ABST	07	0516	0521	0526	S20	W09	.480	16276	6.5	10	-N	C	0521	87	1.0		D
529 CULG	07	0531	0535	0556	N16	W74	.955	16252	1.7	25	-N	P	0535	60			ZX
GRP77530	07	0551	0556+1	0607	N15	E53	.793	16275	11.2	16	-F			60	1.0	E	
CULG	07	0551	0556	0607	N15	E51	.772	16275	11.1	16	-F	C	0556	40	.6		
ABST	07	0555E	0557	0605D	N15	E55	.813	16275	11.4	100	-F	P	0557	87	1.5	E	
GRP77531	07	0609+8	0622	0655	N15	W17	.315	16269	6.0	46	-F			120	1.3	FJ	
CULG	07	0609	0629	0700	N15	W18	.330	16269	5.9	51	-N	C	0629	130	1.3	FT	
BUCA	07	0616	0629	0655	N15	W17	.315	16269	6.0	39	-F	C	0630	107	1.2		
ABST	07	0617	0622	0640	N15	W16	.301	16269	6.1	23	-F	C	0622	131	1.4	FJ	
GRP77532	07	0634+2	0637+4	0644	N18	W70	.932	16252	2.0	10	-N						DV
CULG	07	0634	0641U	0648	N21	W71	.938	16252	1.9	14	-F	P	0641	20			DV
ABST	07	0636	0637	0640	N15	W70	.933	16252	2.0	4	1N	C	0637	87			
533 CULG	07	0700	0708	0711	N15	E49	.750	16275	11.0	11	-F	C	0708	60	1.0		ZX
534 HTPR	07	0810	0812	0815	N15	E45	.704	16275	10.7	5	-F	C	0812	30	.5	E	ZX
GRP77535	07	0946+4	1000+2	1010	N22	W71	.938	16252	2.1	24	1N			220		F	
TELV	07	0946	1002	1014D	N22	W70	.932	16252	2.2	28D	-N	3		61		F	
MONT	07	0947	1001	1010	N22	W75	.958	16252	1.8	23	1N	C	1001	220			
LOCA	07	0950	1000	1010	N23	W70	.932	16252	2.2	20	2N	V	1000	295	8.1		
KANZ	07	0950	1002	1010	N22	W72	.943	16252	2.0	20	1N	3					
536 KANZ	07	1026	1034	1042	S15	W11	.419	16276	6.6	16	-F	3					ZX
GRP77537	07	1113+1	1115+2	1131	S17	W13	.461	16276	6.5	18	-N						E
MONT	07	1113	1115	1128	S17	W13	.461	16276	6.5	15	-N	C	1115	70			E
KANZ	07	1114	1117	1133	S17	W13	.461	16276	6.5	19	-N	3					
538 KANZ	07	1149	1153	1157	S15	W12	.426	16276	6.6	8	-F	3					ZX
539 HUAN	07	1319		1323	N14	W22	.385	16269	5.9	4	-F	1 C					ZX
540 HOLL	07	1506	1509	1519	N15	W22	.389	16269	6.0	13	-F	3 C		21			ZX
541 HOLL	07	1515	1516	1525	N21	W37	.620	16263	4.9	10	-F	3 C		40			ZX
GRP77542	07	1607+5	1613+2	1623	S17	W15	.476	16267	6.5	16	-F			30	.3		
KANZ	07	1607	1615	1626	S17	W15	.476	16267	6.5	19	-F	2					
HOLL	07	1612	1614	1618	S16	W15	.463	16267	6.6	6	-F	3 C		24			
BIGB	07	1613E	1613E	1627	S17	W15	.476	16267	6.6	14D	-N	2 P	1613	30	.3		
WEND	07	1613E		1619D	S17	W16	.484	16267	6.5	6D	-N	C	1613	38	.4		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA	CORR AREA	
					LAT. MER. DIST												
567 CULG	08	0249	0251	0255	S21	W13	.515	16267	7.1	6	-F	C	0251	40	.5	ZX	
GRP77568	08	0314+5	0322+0	0335	N14	W29	.489	16269	6.0	21	-F						
CULG	08	0314	0322	0340	N15	W30	.506	16269	5.9	26	-N	* C	0322	100	1.1	T	
PALE	08	0319	0322	0330	N14	W29	.489	16269	6.0	11	-F	* C		23		DE	
569 CULG	08	0315	0319	0327	N13	W45	.702	16264	4.8	12	-F	C	0319	60	.8	ZX	
GRP77570	08	0331+7	0337	0414	N15	E39	.629	16275	11.1	43	1F					LU	
CULG	08	0331	0337	0414	N15	E39	.629	16275	11.1	43	1F	C	0337	160	2.1	L	
PALE	08	0338	0351	0407D	N15	E39	.629	16275	11.1	29D	-F	3 C		49		U	
GRP77571	08	0402+3	0405+5	0428	N22	W44	.705	16263	4.9	26	-N					FU	
MANI	08	0402E	0409	0416	N21	W42	.680	16263	5.0	140	-F	3 C		100		U	
CULG	08	0403	0410	0439	N24	W44	.711	16263	4.9	36	1N	C	0410	200	2.8		
PALE	08	0405	0405	0407D	N22	W44	.705	16263	4.9	2D	-N	3 C		37		F	
572 CULG	08	0436	0441	0455	N15	W30	.506	16269	5.9	19	-F	C	0441	40	.4	T	ZX
GRP77573	08	0443+3	0447+0	0520	N23	W44	.708	16263	4.9	37	1N			150	2.2	EJ	
CULG	08	0443	0447	0525	N24	W44	.711	16263	4.9	42	1N	C	0447	160	2.2		
TACH	08	0446	0447	0510	N23	W43	.697	16263	5.0	24	1F	C	0447	141	2.0	E	
ABST	08	0457	0458	0520	N21	W46	.725	16263	4.8	23	-N	C	0458	131	1.8	EJ	
574 CULG	08	0521	0522	0526	N10	E70	.934	16279	13.5	5	-F	C	0522	30		ZX	
575 CULG	08	0530	0532	0545	S16	W23	.538	16276	6.5	15	-N	C	0532	140	1.7	H	ZX
GRP77576	08	0625+5	0629+1	0644	S16	W26	.565	16276	6.3	19	-N						
CULG	08	0625	0629	0650	S16	W25	.559	16276	6.4	25	1N	C	0629	280	3.4		
HTRP	08	0628	0630	0642	S17	W27	.589	16276	6.2	14	-F	C	0630	30	.3	E	
CATA	08	0630	0630	0645	S17	W25	.568	16276	6.4	15	-N	2 C	0630	56	.7		
WEND	08	0637E	0645	0645	S15	W25	.545	16276	6.4	8D	-N	C	0637	32	.4	B	
ISTA	08	0640E	0643	0643	S16	W27	.580	16276	6.3	3D	-N	V				BO	
GRP77577	08	0644+6	0649	0711	S22	W86	1.000	16271	1.8	27	1N			60		ADJ	
ISTA	08	0644	0657+3	0715	S23	W90	1.001	16271	1.5	31	2B	V				A	
WEND	08	0645	0657	0710	S22	W80	.994	16271	2.3	25	-N	C	0657	40		A	
CULG	08	0646	0658	0707D	S21	W89	1.000	16271	1.6	210	1B	C	0658	60		J	
ATHN	08	0646	0649	0705	S21	W78	.989	16271	2.4	19	-B	3 C		64		DE	
CATA	08	0650	0700	0715	S24	W90	1.001	16271	1.5	25	1F	2 C	0700	56			
ABST	08	0654	0657	0710	S29	W86	1.000	16271	1.8	16	1N	C	0657	87		AD	
578 ISTA	08	0728		0732	N17	W27	.471	16269	6.3	4	-N	V				E	ZX
GRP77579	08	0840+3	0845+3	0852	S17	W26	.578	16276	6.4	12	-F			60	.7	D	
KANZ	08	0840	0848	0851	S17	W26	.578	16276	6.4	11	-F	2					
MONT	08	0843	0845	0852	S17	W25	.568	16276	6.5	9	-F	C	0845	50		D	
CATA	08	0845E	0845	0855	S17	W26	.578	16276	6.4	100	-N	2 P	0845	84	1.0		
GRP77580	08	0853+4	0907+3	0929	N15	E36	.589	16275	11.1	36	1N			200	2.5		
HTRP	08	0853	0908	0920	N14	E34	.555	16275	10.9	27	-N	C	0908	80	1.0	E	
CATA	08	0855	0910	0910D	N15	E36	.589	16275	11.1	150	1B	2 P	0910	252	3.2		
MONT	08	0857	0908	0929	N16	E38	.618	16275	11.2	32	1B	C	0908	250			
KANZ	08	0857	0907	0931	N15	E36	.589	16275	11.1	34	1N	2					
WEND	08	0904E	0920D	0920D	N16	E37	.605	16275	11.2	160	1N	P	0906	162	2.2	F	
581 KANZ	08	1155	1159	1203	S17	W28	.599	16276	6.4	8	-F	1				ZX	
582 HUAN	08	1444		1458D	N12	W32	.612	16269	5.8	140	-F	1 P	1448	25	.3	D	ZX
GRP77583	08	1510+6	1514+6	1528	N13	E27	.457	16275	10.7	18	-N			40	.5	D	
LOCA	08	1510	1514	1528	N13	E30	.501	16275	10.9	18	-N	V	1514	61	.7		
BIGB	08	1515	1517	1531	N13	E27	.457	16275	10.7	16	-B	3 C	1517	30	.3		
KANZ	08	1515	1519	1528	N12	E27	.454	16275	10.7	13	-F	1					
HUAN	08	1516	1520	1527	N13	E28	.472	16275	10.7	11	-N	2 C	1520	25	.3	D	
WEND	08	1518E	1527	1527	N13	E27	.457	16275	10.7	9D	-F	C	1518	44	.5		
584 BIGB	08	1817	1856E	1911	N14	W90	1.000	16252	2.0	54	-B	1 P	1856	50		ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS AREA	CORR AREA	
					LAT.	NER. DIST.											
GRP77585	08	1854+1	1856+1	1907	N24	W52	.793	16263	4.9	13	-N			30	.5	D	
BIGB	08	1854	1856	1911	N25	W52	.795	16263	4.9	17	-N	3	C	1856	20	.3	
HUAN	08	1854	1857	1904	N24	W53	.802	16263	4.8	10	-N	2	C	1857	20	.3	
PALE	08	1855	1857	1906	N24	W51	.783	16263	5.0	11	-N	3	C		38		
HOLL	08	1855	1857	1908	N25	W53	.804	16263	4.8	13	-N	3	C		40		
586 PALE	08	2056	2057	2101	N15	E30	.506	16275	11.1	5	-F	3	C		21		F ZX
587 CULG	08	2234	2236	2243	S20	W30	.645	16267	6.7	9	-F		C	2236	40	.5	ZX
588 CULG	08	2302	2307	2330	N14	E30	.503	16275	11.2	28	-F		C	2307	20	.2	ZX
589 CULG	08	2332	2352U	0020U	N14	W55	.813	16264	4.9	480	?F		C	2352	280	4.7	ZX
		IMP.1	NO :	HOLL													
590 CULG	08	2347	2354	0017	N24	W56	.830	16263	4.8	30	-F		C	2354	100	1.7	ZX
GRP77591	09	0004+4	0010+1	0030	N15	E29	.492	16275	11.2	26	-F						F
CULG	09	0004	0011	0030	N15	E30	.506	16275	11.3	26	-N		C	0011	80	.9	
PALE	09	0008	0010	00290	N15	E28	.477	16275	11.1	210	-F	3	C		33		F
GRP77592	09	0151>9	0200	0325	N14	E26	.445	16275	11.0	94	1N						FU
			0244+7														
PALE	09	0151	0200	0232	N15	E27	.463	16275	11.1	41	-N	3	C		103		F
PURP	09	0210	0244	0325	N13	E24	.412	16275	10.9	75	1N		C				
CULG	09	0232	0251	0326	N15	E24	.477	16275	11.2	54	1B		C	0251	340	3.9	
CULG	09	0240	0246	0307	N09	E18	.307	16275	10.5	27	-N		C	0246	50	.5	F
MANI	09	0241	0246	02560	N15	E28	.477	16275	11.2	150	-N	3	C		50		F
PALE	09	0243E	0248U	0309	N16	E29	.495	16275	11.3	260	1B	3	C		199		U F
593 CULG	09	0313	0318	0324	N20	W59	.852	16263	4.7	11	-F		C	0318	30	.6	ZX
594 CULG	09	0649	0654	0658	N20	W59	.852	16263	4.9	9	-F		C	0654	20	.4	ZX
595 ISTA	09	0748		0825	N14	W44	.691	16269	6.0	37	-F		V				EK ZX
596 ISTA	09	0818	0825	0835	S20	W32	.664	16267	6.9	17	-N		V				D ZX
GRP77597	09	0920+0		0935	N15	E23	.404	16275	11.1	15	-F						
WEND	09	0920		0935	N15	E24	.419	16275	11.2	15	-F		C	0922	60	.7	
KANZ	09	0920		09200	N15	E23	.404	16275	11.1		-F	2					
598 CATA	09	1000	1000	10050	N14	E57	.832	16279	13.7	50	-N	2	P	1000	28	.5	ZX
GRP77599	09	1058+1	1101+0	1109	N12	W51	.771	16269	5.6	11	-N						
KANZ	09	1058	1101	1109	N12	W50	.760	16269	5.7	11	-N	2					
TELV	09	1059	1101U	1109	N12	W52	.782	16269	5.6	10	-N	2			40	.6	
600 KANZ	09	1144	1144	1152	N19	E16	.334	16275	10.7	8	-F	2					ZX
601 KANZ	09	1210	1214	1222	N13	E56	.822	16279	13.7	12	-N	2					ZX
GRP77602	09	1254+8	1256	1320	N12	W48	.737	16269	5.9	26	-F						D
TELV	09	1254	1256U	13250	N12	W48	.737	16269	5.9	310	-N	2			40	.6	
HUAN	09	1302		1315	N13	W48	.738	16269	5.9	13	-F	1	C	1308	20	.3	D
GRP77603	09	1354+4	1358	1424	N11	W52	.782	16269	5.7	30	-N						F
			141E														
KANZ	09	1354	135E	1410	N12	W52	.782	16269	5.7	16	-N	2					
HUAN	09	1358		14080	N10	W52	.782	16269	5.7	100	-F	1	P	1400	35	.5	
HOLL	09	1358	1416	1438	N11	W54	.803	16269	5.5	40	-N	3	C		50		F
604 HUAN	09	1403		14080	N14	E56	.822	16279	13.8	50	-N	1	P	1405	20	.3	D ZX
GRP77605	09	1623+1	1624+5	1634	N11	E55	.813	16279	13.8	11	-N						E
RAHY	09	1526	1629	1636	N16	E59	.851	16279	14.1	70	-N	3	C		262		
BIGB	09	1623	1624	1634	N10	E55	.813	16279	13.8	11	-N	3	C	1624	60	1.1	
HUAN	09	1624		1632	N11	E55	.813	16279	13.8	8	-F	1	C				E
GRP77606	09	1722+0	1723+3	1733	N12	W49	.749	16269	6.0	11	-N				30	.5	
BIGB	09	1722	1726	1732	N13	W49	.749	16269	6.0	10	-N	3	C	1726	40	.6	
PALE	09	1722	1723	1734	N12	W49	.749	16269	6.0	12	-N	3	C		19		DE
607 BIGB	09	1728	1729	1742	N13	E53	.792	16279	13.7	14	-N	3	C	1729	20	.3	ZX

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR. AREA Sq. Deg.
					LAT.	MER. DIST.											
GRP77608	09	1922+2	1922+2	1935	N14	E53	.793	16279	13.8	13	-N		50	.8	E		
BIGB	09	1922	1922	1937	N13	E52	.782	16279	13.7	15	-B	3 C	1922	50	.8		
HUAN	09	1924	1924	1933	N15	E54	.803	16279	13.9	9	-N	2 C	1924	60	.9	E	
609 HUAN	09	2039	2041	2048	N11	E54	.803	16279	13.9	9	-N	1 C	2041	50	.8	E ZX	
GRP77610	09	2048+4	2055	2109D	N14	H51	.771	16269	6.0	21	-N					E	
			2105														
CULG	09	2048	2105	2151	N15	H52	.783	16269	6.0	63	-N	* C	2105	90	1.4		
HUAN	09	2052	2055	2109	N13	H51	.771	16269	6.0	17	-N	* C	2055	30	.4	E	
611 CULG	09	2050	2053	2105	N08	E54	.804	16279	13.9	15	-F	C	2053	50	.9	ZX	
612 VORO	09	2231	2233	2240	S19	H43	.764	16267	6.7	9	-N	C	2233	54	.8	DJ ZX	
613 CULG	09	2331	2351U	0000	S39	E60	.952		14.5	29	-F	C	2351	20		G ZX	
GRP77614	09	2335+9	2350+0	0020	N11	E52	.782	16279	13.9	45	-F			35	.6		
CULG	09	2335	2350U	0020	N11	E52	.782	16279	13.9	45	-F	C	2350	50	.8	F	
VORO	09	2350	2350	2354D	N11	E53	.792	16279	14.0	40	-N	C	2350	18	.2	D	
GRP77615	09	2352	2356	2359	S18	H47	.797	16276	6.5	7	-N			40	.6	D	
CULG	09	2352	2356	2359	S18	H47	.797	16276	6.5	7	-N	C	2356	40	.7		
VORO	09	2354E		2358	S18	H47	.797	16276	6.5	40	-N	P	2356	36	.5	D	
GRP77616	10	0029+2	0032+1	0038	N08	E55	.814	16279	14.1	9	-N			80	1.4	D	
CULG	10	0029	0033	0041	N08	E55	.814	16279	14.1	12	-N	C	0033	70	1.2		
VORO	10	0031	0032	0035	N09	E55	.813	16279	14.1	4	-N	C	0032	90	1.5	D	
617 VORO	10	0127E		0136	N15	H55	.813	16269	5.9	9D	-N	C	0128	45	.7	D ZX	
GRP77618	10	0148+0	0148+0	0206	N14	H54	.803	16269	6.0	18	-F			50	.9	D	
VORO	10	0148	0148	0151	N14	H54	.803	16269	6.0	3	-N	C	0148	63	1.0	D	
CULG	10	0148E	0148U	0212D	N15	H53	.793	16269	6.1	24D	-F	P	0148	40	.7	C	
MANI	10	0159E	0159U	0206D	N13	H54	.803	16269	6.0	7D	-F	3 C		15			
619 PURP	10	0406E	0406	0415	N13	H56	.822	16269	6.0	9D	1N	P				ZX	
GRP77620	10	0514+2	0516+1	0535	S22	H47	.815	16267	6.7	21	2B			360	6.0	EHV	
CULG	10	0514	0517	0545	S20	H48	.814	16267	6.6	31	2B	C	0517	560	9.5	VH	
ABST	10	0515	0516	0535	S22	H48	.823	16267	6.6	20	1B	C	0516	262	4.5	EV	
TACH	10	0516	0535	0535	S22	H47	.815	16267	6.7	19	2N	C	0521	362	6.4	E	
PURP	10	0519E	0519	0533	S23	H47	.819	16267	6.7	14D	1B	P					
621 ABST	10	0706	0708	0720	N11	H60	.860	16269	5.8	14	-N	C	0708	87	1.7	DJK ZX	
GRP77622	10	0744+1	0745+6	0807	N13	H59	.850	16269	5.9	23	-N					OJ	
TELV	10	0744	0745	0814	N15	H58	.841	16269	6.0	30	-N	2		20	.4		
ABST	10	0745	0751	0800	N11	H60	.860	16269	5.8	15	-N	C	0751	87	1.7	DJ	
623 TELV	10	0928	0931U	1001D	N14	H60	.859	16269	5.9	33D	-N	1		20	.4	ZX	
624 TELV	10	1032	1033	1033D	N15	H60	.859	16269	5.9	10	-N	3		20	.4	K ZX	
625 TELV	10	1045	1047	1053	N15	H60	.859	16269	5.9	8	-N	3		40	.8	K ZX	
626 TELV	10	1055E	1057	1109	N15	H59	.850	16269	6.0	14D	-N	2		24	.4	ZX	
627 TELV	10	1124	1129	1152	N18	E09	.240	16275	11.2	28	-N	3		32	.3	F ZX	
GRP77628	10	1357+4	1359+2	1411	N16	E04	.167	16275	10.9	14	-N			100	1.0		
RAMY	10	1357	1359	1410	N17	E09	.227	16275	11.3	13	-B	3 C		142		FDE	
HOLL	10	1401	1401	1411	N16	H01	.153	16275	10.5	10	-N	3 C		69			
629 RAMY	10	1400	1401	1409	N14	H59	.850	16269	6.2	9	-F	3 C		24		ZX	
630 BIGB	10	1432	1433	1443	N14	E40	.641	16279	13.6	11	-F	3 C	1433	30	.4	ZX	
GRP77631	10	1457+8	1510+2	1536	N14	H62	.876	16269	6.0	39	-N			50	1.1	F	
HOLL	10	1457	1510	1539	N14	H62	.876	16269	6.0	42	-N	4 C		71		F	
BIGB	10	1505	1512	1536	N15	H62	.876	16269	6.0	31	-B	2 C	1512	50	1.1		
RAMY	10	1505	1510	1530	N14	H60	.859	16269	6.1	25	-F	3 C		36		F	
GRP77632	10	1545+4	1549+0	1611	N14	E43	.679	16279	13.9	26	-F			45	.6		
			1609														
BIGB	10	1545	1549	1624	N17	E45	.707	16279	14.0	39	-N	3 C	1549	50	.7		
RAMY	10	1549	1549	1557	N13	E44	.690	16279	14.0	8	-F	3 C		37			
BIGB	10	1608	1609	1619	N14	E40	.641	16279	13.7	11	-F	3 C	1609	30	.4		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA Mill of Disk		CORR AREA Sq Deg.	
					LAT.	MER. DIST.												
GRP77633	10	1654+1	1657 1705	1726	N14	E39	.628	16279	13.6	32	-N							
PALE	10	1654	1705	1724	N13	E40	.639	16279	13.7	30	-N	3	C	30				
HOLL	10	1655	1657	1727	N16	E39	.631	16279	13.6	32	-N	3	C	56				
GRP77634	10	1735+3	1740+1	1808	N13	H62	.876	16269	6.1	33	-B			100	2.0	F		
PALE	10	1735	1741	1759	N13	H62	.876	16269	6.1	24	-N	3	C	92		F		
HOLL	10	1737	1740	1810	N13	H62	.876	16269	6.1	33	-B	3	C	98				
BIGB	10	1738	1741	1808	N14	H63	.249	16269	6.0	30	-B	3	C	1741	110	1.2		
635 BIGB	10	1755	1757	1836	N14	E40	.641	16279	13.7	41	-N	3	C	1757	30	.4	ZX	
	10	1952	1955	NO FLARE PATROL														
636 HOLL	10	2015	2018	2023	N14	E37	.601	16279	13.6	8	-F	3	C	23			ZX	
637 HOLL	10	2147	2153	2158	S25	H28	.672	16281	8.8	11	-F	3	C	21			ZX	
GRP77638	10	2239	2244+2	23180	N09	E40	.638	16279	13.9	39	-N			150	2.0	FJKLU		
HOLL	10	2239	2244	2359	N10	E41	.651	16279	14.0	80	-B	2	C	161		U F		
MANI	10	2242E	2250U	2306D	N09	E40	.638	16279	13.9	240	-N	2	C	150		U F		
MANI	10	2243E	2246	2305	N09	E40	.638	16279	13.9	220	-N	3	C	150		U F		
VORO	10	2244E	2318	2318	N08	E40	.638	16279	13.9	34D	1N	C	2251	260	3.3	EJKL		
HOLL	10	2249	2253	2301	N14	E34	.560	16279	13.5	12	-F	2	C	35				
639 HOLL	11	0001	0001	0008	N14	H66	.907	16269	6.1	7	-N	2	C	24			ZX	
640 HOLL	11	0029	0032	0041	N14	E34	.560	16279	13.6	12	-N	2	C	50		F	ZX	
641 VORO	11	0107	0108	0112	N14	E34	.560	16279	13.6	5	-F	C	0108	45	.5	D	ZX	
GRP77642	11	0150+0	0158+1	0231	N08	E39	.625	16279	14.0	41	1N						E	
PURP	11	0150	0158	0234	N09	E39	.624	16279	14.0	44	1N	C						
MITK	11	0150	0159	0227	N07	E39	.625	16279	14.0	37	1N	C	0159	180	2.4	E		
GRP77643	11	0525	0527	0538	N12	E32	.528	16279	13.6	13	-N			80	.9	D		
ATHN	11	0525	0527	0538	N11	E32	.527	16279	13.6	13	-N	1	P	0527	66	.7	D	
ABST	11	0529E	0529	0538	N14	E32	.532	16279	13.6	90	-N		P	0529	87	1.0	D	
644 ABST	11	0628	0630	0638	N15	H71	.939	16269	5.9	10	?F	P	0630	87		D	ZX	
	IMP.1	NO	: PURP	CATA	YUNN													
GRP77645	11	0744+3	0745+3	0750	N25	E65	.901	16282	16.2	6	1N			120			DV	
ABST	11	0744	0745	0750	N24	E65	.901	16282	16.2	6	1N	C	0745	131			DV	
YUNN	11	0746E	0746	0750	N25	E66	.908	16282	16.3	40	1F	P		116	2.6			
PURP	11	0747	0748	0749	N26	E61	.873	16282	15.9	2	1N	P						
646 MONT	11	0844	0846	0851	N16	H73	.950	16269	5.9	7	-F	C	0846	50		E	ZX	
GRP77647	11	0949+5	0952	1021	N11	E31	.512	16279	13.7	32	-N			80	.9	E		
HTPR	11	0949	0952	1003	N08	E35	.569	16279	14.0	14	-F	C	0952	30	.4	E		
MONT	11	0954	1009	1021	N11	E31	.512	16279	13.7	27	1N	C	1009	250				
HTPR	11	0958	1000	1009	N06	E35	.570	16279	14.0	11	-F	C	1000	20	.2	E		
HTPR	11	1003	1008	1020	N13	E30	.501	16279	13.7	17	-N	C	1008	80	.9	E		
CATA	11	1010	1010	1025	N14	E29	.489	16279	13.6	15	-B	2	C	1010	84	.9		
648 HTPR	11	1034	1038	1039	N12	E29	.484	16279	13.6	5	-F	C	1038	20	.2		ZX	
GRP77649	11	1258+3	1300+1	1309	N08	E32	.526	16279	13.9	11	-N						OJ	
KANZ	11	1258	1301	1309	N08	E32	.526	16279	13.9	11	-F	1						
RAMY	11	1259	1300	1309	N09	E32	.526	16279	13.9	10	-N	3	C	36				
LVOV	11	1301	1301	1312	N08	E31	.511	16279	13.9	11	1N	C	1301	200	2.3	BDJ		
GRP77650	11	1338+1	1339+4	1350	N08	E32	.526	16279	14.0	12	-F							
RAMY	11	1338	1339	1350	N09	E32	.526	16279	14.0	12	-N	3	C	35				
KANZ	11	1339	1343	1350	N08	E32	.526	16279	14.0	11	-F	2						
GRP77651	11	1342+1	1347+2	1523	N15	H10	.216	16275	10.8	101	2B			560	5.7	FJKUZ		
HOLL	11	1342E	1349	1524	N16	H08	.204	16275	11.0	102D	2B	3	C	701		Z U		
RAMY	11	1343	1347	1524	N16	H07	.193	16275	11.0	101	1B	3	C	391		Z U		
KANZ	11	1343	1349	1521	N15	H08	.191	16275	11.0	98	2B	3						
KANZ	11	1343	1348	1440	N13	H17	.304	16275	10.3	57	-B	3				F		
RAMY	11	1346	1347	1413	N13	H17	.304	16275	10.3	27	-N	3	C	32		F		
LVOV	11	1358	1358	1500	N16	H10	.227	16275	10.8	62	2N	C	1358	600	6.4	BEJK		
BIGB	11	1409E	1409D	1427E	N15	H08	.191	16275	11.0	180	1B	2	P	1409	260	2.7		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg.	
					LAT.	MER. DIST.												
671 HOLL	11	2346E	2423	0029D	N10	W23	.389	16275	10.3	43D	-N	2	C		97		ZX	
GRP77672	12	0012+0	0013+0	0025	N09	E28	.466	16279	14.1	13	-N				25	.3	F	
HOLL	12	0012	0013	0021	N10	E27	.451	16279	14.0	9	-N	2	C		34		F	
BIGB	12	0012	0013	0028	N09	E29	.481	16279	14.2	16	-N	2	C	0013	20	.2		
GRP77673	12	0054+2	0055+4	0134	N10	W23	.389	16275	10.3	40	1N							
			0112															
BIGB	12	0054	0055	0059D	N09	W23	.388	16275	10.3	5D	-N	2	P	0055	60	.6		
MITK	12	0056	0059	0116	N09	W22	.372	16275	10.4	20	1N		C	0059	250	2.8	E	
HANI	12	0101E	0101U	0150	N10	W23	.389	16275	10.3	49D	-N	3	C		100		F	
PURP	12	0110	0112	0209	N14	W16	.294	16275	10.8	59	1N		P					
YUNN	12	0111E	0118	0118D	N10	W23	.389	16275	10.3	7D	1N		P		353	3.9		
674 TACH	12	0433	0438	0447	N15	W16	.301	16275	11.0	14	?N		C	0438	354	3.8	E	
		IMP.1	NO	PURP														
675 ABST	12	0500	0508	0515	N11	W2E	.437	16275	10.3	15	-F		C	0508	131	1.4	DJ	
676 ISTA	12	0737	0739	0743	N10	W28	.467	16275	10.2	6	-F		V				D	
GRP77677	12	1015+2	1020+0	1027	N14	E16	.294	16279	13.6	12	-F						E	
KANZ	12	1015	1020	1027	N14	E16	.294	16279	13.6	12	-F	3						
MONT	12	1017	1020	1026	N15	E17	.315	16279	13.7	9	-F		C	1020	60		E	
GRP77678	12	1228+0	1231	1332	S22	W68	.955	16267	7.4	64	-N							
			1241															
KANZ	12	1228	1241	1328	S21	W69	.958	16267	7.3	60	-N	1						
RAMY	12	1228	1231	1336	S23	W67	.952	16267	7.5	68	-N	3	C					
679 TELV	12	1232	1236U	1242	N09	W31	.511	16275	10.2	10	-N	3			27	.3	ZX	
680 TELV	12	1255	1257U	1312D	N16	E23	.409	16279	14.3	17D	-N	3			40	.4	ZX	
GRP77681	12	1538+2	1540+2	1550	S33	W60	.938	16267	8.2	12	-F				25			
BIGB	12	1538	1540	1553	S31	W60	.933	16267	8.2	15	-N	2	C	1540	30	.6		
RAMY	12	1540	1542	1547	S35	W60	.943	16267	8.2	7	-F	3	C		22			
GRP77682	12	1641+1	1642+1	1659	S31	W60	.933	16267	8.2	18	-N				20			
BIGB	12	1641	1643	1659	S31	W60	.933	16267	8.2	18	-B	2	C	1643	20	.4		
HOLL	12	1641	1642	1657	S31	W60	.933	16267	8.2	16	-N	3	C		27			
RAMY	12	1642	1642	1724	S35	W61	.947	16267	8.1	42	-F	3	C		23			
GRP77683	12	1704	171E	1723	S31	W60	.933	16267	8.2	19	-F							
HOLL	12	1643	1724	1810	N12	W33	.543	16267	10.2	87	-N	3	C		133		U F	
HOLL	12	1652	1705	1721	N16	W24	.424	16267	10.9	29	-F	3	C		34			
PALE	12	1713	1726	1750	N11	W28	.468	16267	10.6	37	-F	3	C		84		F	
RAMY	12	1716	1724	1735D	N11	W30	.498	16267	10.5	19D	-F	3	C		54			
BIGB	12	1717	1723	1803	N11	W30	.498	16267	10.5	46	-N	2	P	1723	80	1.0		
684 HOLL	12	1704	1719	1723	S31	W60	.933	16275	8.2	19	-F	3	C		11		ZX	
GRP77685	12	1838>9	1839	1904	S33	W61	.942	16267	8.2	26	-F						F	
			1855															
PALE	12	1838	1839	1859	S35	W62	.951	16267	8.1	21	-F	3	C		11		F	
HOLL	12	1854	1855	1909	S31	W61	.938	16267	8.2	15	-F	3	C		12			
686 HOLL	12	1905	1907	1914	N16	W25	.438	16275	10.9	9	-F	3	C		26		ZX	
687 HOLL	12	1917	1920	1929	N12	W34	.557	16275	10.3	12	-N	3	C		43		ZX	
688 HOLL	12	1926	1928	1932	N09	E1E	.275	16279	14.0	6	-F	3	C		40		ZX	
	12	1942	1948	NO FLARE PATROL														
689 HOLL	12	2142	2143	2157	N16	W28	.481	16275	10.8	15	-F	3	C		38		ZX	
GRP77690	12	2221	2237+1	2258	N17	W27	.471	16275	10.9	37	-N				60	.7		
HOLL	12	2221	2237	2252	N16	W27	.467	16275	10.9	31	-N	3	C		45			
CULG	12	2237E	2238U	2303U	N18	W28	.490	16275	10.8	26D	-N		P	2238	70	.8		
GRP77691	12	2252+5	2257+4	2314	S17	W71	.962	16267	7.6	22	-F							
CULG	12	2252	2301	2319	S15	W71	.960	16267	7.6	27	-F		C	2301	10			
HOLL	12	2257	2257	2308	S19	W71	.964	16267	7.6	11	-F	3	C					

46
Sep 79

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq Deg.		
					LAT.	MER. DIST.												
	13	1836	1839	NO FLARE PATROL														
713 HOLL	13	1853	1855	1913	S31	W73	.983	16267	8.3	20	-F	3	C					ZX
	13	1858	1904	NO FLARE PATROL														
714 HOLL	13	1904E	1904U	1944	N07	W01	.018	16279	13.7	400	-N	3	C		49		F	ZX
	13	1916	1919	NO FLARE PATROL														
715 HOLL	13	1919	1927	1933	S32	W78	.994	16267	8.0	14	-F	3	C					ZX
716 HOLL	13	1949	1955	2004	N08	E00	.013	16279	13.8	15	-N	3	C		35		F	ZX
	13	1955	2000	NO FLARE PATROL														
717 HOLL	13	2009	2010	2016	N08	W02	.037	16279	13.7	7	-N	3	C		57		F	ZX
GRP77718	13	2027+0	2029	2050	N08	E02	.037	16279	14.0	23	-N				60	.6	E	
HUAN	13	2027		2041D	N08	E03	.054	16279	14.1	140	-N	1	P	2028	40	.4	E	
HOLL	13	2027	2029	2050	N09	E01	.035	16279	13.9	23	-N	3	C		77			
	13	2041	2057	NO FLARE PATROL														
GRP77719	13	2057+1	2139+6	2257	N07	W02	.035	16279	13.7	120	-N							FIK
			2217															
CULG	13	2057E	2145	2241U	N07	W03	.052	16279	13.6	1040	1N		C	2145	300	3.0	FIK	
HOLL	13	2058	2139	2213	N08	W03	.054	16279	13.6	75	-N	3	C		105		F	
HOLL	13	2214	2217	2257	N08	E01	.022	16279	14.0	43	-N	3	C		52			
720 CULG	13	2110	2115	2121	S28	E33	.737	16285	16.4	11	-F		C	2115	30	.5		ZX
721 CULG	13	2120	2124	2128	N31	E69	.929	16291	19.1	8	-F		C	2124	60			ZX
722 CULG	13	2126	2127	2130	N29	E31	.594	16282	16.2	4	-F		C	2127	30	.4		ZX
723 CULG	13	2204	2214	2238	S20	E88	1.000		20.5	34	1F		C	2214	100			ZX
	13	2215	2224	NO FLARE PATROL														
724 CULG	13	2240	2247	2259	S25	W68	.959	16281	8.8	19	-N		C	2247	50		T	ZX
GRP77725	13	2310>9	2337+2	2349	S25	W66	.950	16281	9.0	39	-N				60		DK	
CULG	13	2310	2337	2352	S25	W65	.945	16281	9.1	42	-N		C	2337	80		KT	
VORO	13	2337	2339	2346	S26	W68	.960	16281	8.9	9	-N		C	2339	54		D	
726 CULG	13	2316	2319	2322	S15	W60	.895	16274	9.5	6	-F		C	2319	60	1.3	S	ZX
727 CULG	13	2332	2338	0003	N35	E60	.878		18.5	31	?F		C	2338	120	2.5	HG	ZX
		IMP.1	NO :	VORO														
GRP77728	14	0040+1	0048	0150	N07	W03	.052	16279	13.8	70	1N				210	2.1	JKW	
			0121+6															
CULG	14	0040	0048	0059	N08	W01	.022	16279	14.0	19	-F		C	0048	80	.8		
VORO	14	0041	0127	0146	N06	W06	.106	16279	13.6	65	1N	*	C	0127	251	2.5	EJ	
YUNN	14	0057E	0058	0104D	N07	W04	.069	16279	13.7	70	1N		P		257	2.6		
CULG	14	0105	0125	0257U	N08	W05	.087	16279	13.7	1120	1N	*	C	0125	250	2.5	FKWT	
PALE	14	0117	0121	0150D	N08	W03	.054	16279	13.8	330	-N	*	C		133		OE	
729 YUNN	14	0057E	0058	0104D	S26	W70	.968	16281	8.8	70	?N		P		80			ZX
		IMP.1	NO :	CULG	VORO													
730 CULG	14	0122U	0137	0144	S27	E31	.714	16285	16.4	220	-F		C	0137	30	.4	JT	ZX
GRP77731	14	0245>9	0325+5	0401	N06	W05	.089	16279	13.7	76	2N				570	5.7	IJ	
YUNN	14	0245	0325	0347	N07	W05	.087	16279	13.7	62	2N	*	C		514	5.2		
CULG	14	0317	0330	0414	N06	W05	.089	16279	13.8	57	2N	*	C	0330	640	6.4	TJI	
732 CULG	14	0308	0315	0325	N32	E66	.913	16291	19.1	17	-N		C	0315	40	1.0		ZX
733 CULG	14	0328	0355	0557U	S14	W63	.914	16274	9.4	1490	-F		C	0355	80	1.8		ZX
734 CULG	14	0442	0458	0522	N17	W45	.707	16275	10.8	40	-N		C	0458	60	.8		ZX

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS AREA		CORR AREA
					LAT.	MER. DIST.											
GRP77735	14	0607	0612 0619+1	0645	N06	W07	.123	16279	13.7	38	-N			130	1.3	EJU	
CULG	14	0607	0612	0648U	N06	W06	.106	16279	13.8	410	1N	C	0612	380	3.8		
ABST	14	0610E	0619	0645	N07	W06	.104	16279	13.8	350	-N	P	0619	131	1.3	EJ	
ATHN	14	0616E	0620U	0640	N06	W06	.106	16279	13.8	240	-B	2	C	127		DE	
ISTA	14	0620E		0642	N08	W08	.139	16279	13.7	220	1F	V				BU	
HTPR	14	0628E		0705	N06	W08	.140	16279	13.7	370	-N	C	0643	180	1.8	BET	
GRP77736	14	0735+4	0740+2	0758	S28	W82	.998	16267	8.2	23	1N			160			
ATHN	14	0735	0742	0758	S28	W74	.954	16267	8.8	23	1B	3	C	159		DE	
YUNN	14	0736	0740	0759	S26	W82	.998	16267	8.2	23	2N	C	209				
MONT	14	0739	0741	0746	S29	W90	1.042	16267	7.6	7	-F	C	0741	70			
GRP77737	14	0743+3	0745+3	0759	N08	W04	.070	16279	14.0	16	-N			90	.9	EU	
HTPR	14	0731	0745	0759	N06	W08	.140	16279	13.7	28	-N	* C	0745	120	1.2	E	
MONT	14	0743	0754	0759	N08	W03	.054	16279	14.1	16	-F	* C	0754	50			
ISTA	14	0745		0756	N08	W06	.104	16279	13.9	11	1F	* V				U	
ATHN	14	0746	0748	0813	N10	W01	.051	16279	14.2	27	-B	* C		64		DE	
GRP77738	14	0755+5	0801+7 0819+8	0901	N07	W08	.138	16279	13.7	66	1B			400	4.1	JKUH	
YUNN	14	0743	0816	0830	N07	W07	.121	16279	13.8	47	2B	* C		611	6.2	U	
ABST	14	0744	0812	0844	N06	W07	.123	16279	13.8	60	1B	* C	0812	262	2.7	FJ	
CATA	14	0755	0802	0824D	N07	W07	.121	16279	13.8	290	1B	* P	0802	449	4.6		
BUCA	14	0755	0806	0915	N07	W08	.138	16279	13.7	80	2B	* C	0806	644	6.7		
MONT	14	0759	0808	0906	N08	W06	.104	16279	13.9	67	1N	* C	0808	330			
TELV	14	0759	0800	0800D	N09	W09	.158	16279	13.7	10	-N	*		163	1.7	W	
TELV	14	0759	0802	0915U	N09	W05	.092	16279	14.0	760	-N	*		122	1.2	F	
HTPR	14	0800	0801	0915	N07	W10	.172	16279	13.6	75	1B	* C	0801	320	3.2	EU	
ISTA	14	0800		0840	N08	W08	.139	16279	13.7	40	1N	* V				KU	
ATHN	14	0802	0808	0905	N06	W07	.123	16279	13.8	63	1B	* C		111		OE	
BERN	14	0808E	0808	0935	N08	W09	.156	16279	13.7	870	2B	* C		720			
TELV	14	0816	0819	0837U	N04	W14	.247	16279	13.3	210	-N	*		27	.3	W	
HTPR	14	0817	0823	0845	N02	W13	.241	16279	13.4	28	-N	* C	0823	80	.8	E	
CATA	14	0824E	0827	0845	N03	W13	.235	16279	13.4	210	-N	* P	0827	112	1.1		
YUNN	14	0831	0836	0845	N08	W07	.122	16279	13.8	14	2N	* C		514	5.2		
KHAR	14	0850E		0855D	N06	W10	.174	16279	13.6	50	1N	* P				E	
GRP77739	14	0808+2	0815+5 0835	0855	N06	E90	1.000		21.1	47	1N					AY	
YUNN	14	0808	0820	0845	N06	E84	.993		20.6	37	3N	* C		307		Y	
HTPR	14	0809	0815	0915	N05	E90	1.000		21.1	66	1N	C	0815	120			
MONT	14	0810	0815	0828	N07	E90	1.000		21.1	18	-N	* C	0815	80			
CATA	14	0824E	0835	0905D	N07	E90	1.000		21.1	410	2F	* P	0835	281		A	
GRP77740	14	0829+3	0832+4	0846	S10	W32	.591	16277	12.0	17	-N					G	
YUNN	14	0829	0832	0845	S05	W33	.575	16277	11.9	16	1N	C		193	2.3	G	
MONT	14	0832	0836	0846	S15	W31	.615	16277	12.0	14	-F	C	0836	50			
GRP77741	14	1117+3	1120+0	1125	S21	E19	.557	16285	15.9	8	-F			45	.5		
HTPR	14	1117	1120	1125	S22	E20	.576	16285	16.0	8	-F	C	1120	30	.3		
CATA	14	1120	1120	1125	S21	E19	.557	16285	15.9	5	-F	2	C	1120	56	.6	
GRP77742	14	1307+1	1307+0	1311	N08	W08	.139	16279	13.9	4	-N			50	.5	E	
HUAN	14	1307		1308D	N08	W08	.139	16279	13.9	10	-N	1	P	1307	30	.3	E
HTPR	14	1307	1307	1311	N08	W10	.173	16279	13.8	4	-B	C	1307	60	.6	E	
RAMY	14	1307	1307	1311	N09	W08	.141	16279	13.9	4	-N	3	C	51			
TELV	14	1308	1311	1325D	N08	E01	.022	16279	14.6	170	-N	3		81	.8	F	
GRP77743	14	1417+4	1422+3	1437	N07	W11	.189	16279	13.8	20	-N			30	.3		
HTPR	14	1417	1422	1437	N07	W13	.223	16279	13.6	20	-F	C	1422	30	.3	E	
RAMY	14	1419	1423	1453	N07	W11	.189	16279	13.8	34	-N	3	C	44			
HUAN	14	1420		1433D	N07	W12	.206	16279	13.7	130	-N	1	P	1422	20	.2	D
HOLL	14	1420	1422	1434	N07	W11	.189	16279	13.8	14	-N	3	C	39		F	
BIGB	14	1421	1425	1436	N07	W11	.189	16279	13.8	15	-N	2	C	1425	40	.4	
GRP77744	14	1445+7	1449 1456	1500	S27	W88	1.000	16267	8.0	15	-F						
BIGB	14	1445	1449	1459	S26	W90	1.002	16267	7.9	14	-N	2	C	1449	30		
RAMY	14	1452	1456	1500	S28	W86	1.000	16267	8.2	8	-F	3	C				
GRP77745	14	1520+1	1528	1618	S05	W36	.615	16277	11.9	58	-F					E	
RAMY	14	1520	1528	1618	S06	W35	.607	16277	12.0	58	-N	3	C	47			
HTPR	14	1521		1541D	S05	W37	.628	16277	11.9	200	-F	C	1537	30	.4	E	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION			CMP. DAY			COND. TYPE	TIME UT		MEAS AREA Mill of Disk	CORR AREA 5 σ Deg.
					LAT.	MER. DIST.												
GRP77746	14	1700+1	1703>9	1729	N15	H52	.783	16275	10.8	29	1N							
BIGB	14	1700	1703	1803	N15	H55	.813	16275	10.6	63	1B	1	C	1703	280	5.0		
HUAN	14	1701	1704	1716	N15	H52	.783	16275	10.8	15	-N	1	C	1704	40	.6	E	
RAHY	14	1701	1708	17100	N16	H52	.783	16275	10.8	90	2N	3	C		390			
PALE	14	1710E	1713U	1729	N15	H53	.793	16275	10.7	190	-F	3	C		58		FDE	
747 RAHY	14	1727	1727	1734	N05	H11	.194	16279	13.9	7	-N	3	C		27		ZX	
GRP77748	14	1932	1939	1959D	N07	H14	.240	16279	13.8	27	-N						E	
HUAN	14	1932	1939	1959	N07	H14	.240	16279	13.8	27	-N	1	C	1939	90	.9	E	
BIGB	14	1948E	1948	2055	N07	H15	.257	16279	13.7	67D	-B	1	P	1948	100	1.1		
GRP77749	14	2115>9	2134+1	2218	N07	H15	.257	16279	13.8	63	-N				100	1.0	FK	
CULG	14	2115	2135	2227D	N08	H15	.257	16279	13.8	72D	-N		C	2135	140	1.5	KF	
BIGB	14	2130	2134	2209	N07	H15	.257	16279	13.8	39	-B	1	C	2134	70	.7		
750 CULG	14	2131	2148	2158	N28	E17	.443	16282	16.2	27	-F		C	2148	40	.4	ZX	
751 CULG	14	2159	2212	2227D	S05	H39	.653	16277	12.0	280	-N		C	2212	140	1.8	ZX	
752 CULG	14	2159	2214	2227D	N15	H14	.272	16279	13.9	280	-N		C	2214	90	.9	ZX	
753 CULG	14	2239	2255	2316	S05	H40	.666	16277	11.9	37	-F		C	2255	40	.5	ZX	
GRP77754	14	2240+2	2302+4	2348	N07	H17	.290	16279	13.7	68	1F				260	2.7	EHJK	
CULG	14	2240	2302	2351	N08	H16	.274	16279	13.7	71	1N		C	2302	220	2.3		
VORO	14	2242	2306	2345	N07	H18	.387	16279	13.6	63	1F		C	2306	296	3.1	EHJK	
755 CULG	14	2245	2248	2253	S13	E29	.576	16293	17.1	8	-N		C	2248	20	.2	ZX	
GRP77756	14	2258+6	2304+1	2317	N14	H14	.264	16279	13.9	19	-N						EHL	
CULG	14	2258	2304	2317	N15	H14	.272	16279	13.9	19	-N		C	2304	90	.9		
BIGB	14	2259	2304	2348	N07	H15	.257	16279	13.8	49	-N	2	P	2304	50	.5		
VORO	14	2304	2305	2309	N14	H14	.264	16279	13.9	5	-N		C	2305	152	1.6	EHL	
757 CULG	14	2345	2415	0119	N23	H44	.708	16275	11.7	94	?F		C	2415	260	3.6	F ZX	
		IMP.1 NO :	BIGB	VORO														
758 CULG	15	0044	0047	0052	S12	E70	.952	16295	20.3	8	-F		C	0047	40		ZX	
759 CULG	15	0046	0055	0130	N09	H13	.225	16279	14.1	44	-F		C	0055	20	.2	ZX	
760 CULG	15	0151	0158	0209	N19	E37	.613	16288	17.9	18	-F		C	0158	40	.5	ZX	
761 CULG	15	0228	0235	0251D	N13	E70	.933	16296	20.4	23D	-F		P	0235	50		ZX	
762 CULG	15	0246	0304U	0350	S13	E64	.918	16295	19.9	64	?N		P	0304	260	6.0	F ZX	
		IMP.2 NO :	PALE															
GRP77763	15	0320	0407	0510	N14	H62	.876	16275	10.5	110	1N						I	
CULG	15	0320	0407	0510	N14	H64	.892	16275	10.3	110	1N		C	0407	250	5.0	FI	
PALE	15	0357E	0401U	0401D	N15	H61	.868	16275	10.6	40	-F	3	C		24		DE	
	15	0323	0330	NO FLARE PATROL														
GRP77764	15	0534+2	0545+2	0605	N30	E50	.789	16291	19.0	31	-F				70	1.2	DJ	
CULG	15	0534	0545	0549D	N32	E50	.794	16291	19.0	15D	-N		P	0545	60	1.0		
ABST	15	0536	0547	0605	N29	E50	.786	16291	19.0	29	-F		C	0547	87	1.5	DJ	
765 ABST	15	0542	0543	0555	N17	H25	.443	16279	13.4	13	-N		C	0543	87	.9	DJ ZX	
GRP77766	15	0616+5	0623+0	0646	N11	H65	.900	16275	10.4	30	1N				90	2.1	DJ	
CULG	15	0616	0623	0656	N09	H65	.901	16275	10.4	40	-N	*	C	0623	90			
ABST	15	0621	0623	0635	N14	H66	.907	16275	10.3	14	1N	*	C	0623	87		DJ	
767 CULG	15	0617	0622	0629	N32	E50	.794	16291	19.0	12	-F		C	0622	50	.8	ZX	
768 CULG	15	0633	0704	0720D	S12	E33	.616	16293	17.7	47D	-F		P	0704	80	1.0	LK ZX	
GRP77769	15	0722+1	0725+7	0805	N08	H21	.356	16279	13.7	43	-N						J	
CULG	15	0648	0732U	0732D	N08	H21	.356	16279	13.7	44D	1N		P	0732	360	3.6	F	
ABST	15	0722	0725	0740D	N10	H15	.260	16279	14.2	18D	-N		P	0725	87	.9	DJ	
HTPR	15	0723	0730	0805	N08	H23	.388	16279	13.6	42	-F		C	0730	20	.2	E	
770 ABST	15	0730	0733	0740D	N17	H23	.415	16279	13.6	10D	-N		P	0733	174	1.9	EJ ZX	
771 HTPR	15	0826	0830	0844	N06	H20	.340	16279	13.9	18	-F		C	0830	20	.2	E ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR. AREA Sq. Deg.	
					LAT.	MER. DIST.											
772 HTPR	15	0859	0902	0915	N05	W21	.358	16279	13.8	16	-F	C	0902	30	.3	E	ZX
773 HTPR	15	0934	0936	0946	N20	E34	.578	16288	17.9	12	-F	C	0936	20	.2	E	ZX
GRP77774	15	1013>9	1026+3	1110	S14	E56	.861	16295	19.6	57				320	6.1	EU	
HTPR	15	1010	1028	1040	N09	E90	1.000	16295	22.2	30	3B	* C	1028	450			
YUNN	15	1017	1027	1027D	N06	E84	.993	16295	21.7	6D	3B	* P		611		AY	
MONT	15	1024	1028	1038D	N06	E90	1.000	16295	22.2	14D	1B	* C	1028	330			
GRP77775	15	1021+3	1028+0	1040	N06	E90	1.000	16298	22.2	19	2B			460		AY	
HTPR	15	1013	1028	1125	S14	E60	.893	16298	19.9	72	2B	C	1028	400		EU	
YUNN	15	1017	1027	1027D	S15	E57	.872	16298	19.7	10D	2B	P		530	11.0	U	
MONT	15	1019	1029	1038D	S15	E56	.864	16298	19.6	19D	1N	C	1029	250			
ATHN	15	1024	1028	1100	S13	E55	.850	16298	19.6	36	1B	1	1028	196	3.9		
CATA	15	1030	1035	1110	S14	E56	.861	16298	19.6	40	2B	1 C	1035	393	7.9		
776 HTPR	15	1137		1151D	N14	W69	.927	16275	10.3	14D	-F	C	1140	20	.5	E	ZX
	15	1151	1157		NO FLARE PATROL												
	15	1201	1206		NO FLARE PATROL												
777 KANZ	15	1346	1346	1354	N32	E46	.759	16291	19.0	8	-F	1					ZX
778 BIGB	15	1535	1538	1548	S15	E45	.764	16295	19.0	13	-F	3 C	1538	40	.6	G	ZX
779 BIGB	15	1600	1603	1610	N09	W73	.952	16275	10.2	10	-F	3 C	1603	30		G	ZX
GRP77780	15	1611+5	1619+0	1647	N06	W24	.405	16279	13.9	36	-F			30	.3	E	
HTPR	15	1611	1619	1654D	N07	W23	.388	16279	13.9	43D	-F	C	1619	30	.3	E	
BIGB	15	1616	1619	1640	N06	W25	.420	16279	13.8	24	-N	3 C	1619	30	.4		
781 BIGB	15	1830	1838	1845	N08	E90	1.000	16298	22.5	15	-N	3 C	1838	30			ZX
782 BIGB	15	1840	1841	1852	S16	E41	.728	16295	18.9	12	-N	3 C	1841	30	.4	G	ZX
783 BIGB	15	1844	1846	1854	S13	E27	.553	16293	17.8	10	-N	3 C	1846	40	.5	G	ZX
784 CULG	15	2059	2101	2105	N05	W30	.499	16279	13.6	6	-F	C	2102	60	.6		ZX
785 CULG	15	2145	2150	2153D	N07	W28	.466	16279	13.8	8D	-N	P	2150	20	.2		ZX
786 BIGB	15	2219	2222	2230	S00	E90	1.000	16298	22.7	11	-B	3 C	2222	50			ZX
787 CULG	15	2241	2247	2308	N13	W75	.960	16275	10.3	27	-F	C	2247	80			ZX
788 CULG	15	2324	2327	2331	S14	E24	.528	16293	17.8	7	-F	C	2327	30	.4		ZX
789 CULG	15	2329	2342	2352	N08	W77	.971	16275	10.2	23	-F	C	2342	30			ZX
GRP77790	15	2338+3	2341+0	2351	S13	E24	.519	16293	17.8	13	-N			60	.7	E	
CULG	15	2338	2341	2352	S14	E24	.528	16293	17.8	14	-N	C	2341	50	.6		
VORO	15	2341	2341	2350	S12	E25	.521	16293	17.9	9	-N	C	2341	72	.8	E	
GRP77791	16	0028+4	0032+3	0044	N07	W30	.496	16279	13.8	16	-N			60	.7	D	
CULG	16	0028	0032	0046	N08	W30	.496	16279	13.8	18	-N	C	0032	50	.6		
VORO	16	0032	0035	0041	N07	W30	.496	16279	13.8	9	-N	C	0035	81	.9	D	
GRP77792	16	0101>9	0109+3	0114	N05	E90	1.000	16298	22.8	13	-N						FHK
CULG	16	0101	0110	0121D	N04	E90	1.000	16298	22.8	20D	1N	P	0110	180		FK	
BIGB	16	0108	0109	0114D	N01	E90	1.000	16298	22.8	6D	-N	3 P	0109	110			
BIGB	16	0110	0111	0113	N07	E90	1.000	16298	22.8	3	-B	3 C	0111	50			
VORO	16	0111	0112	0114	N07	E90	1.000	16298	22.8	3	-F	C	0112	36		H	
793 VORO	16	0119	0121	0124	N06	E90	1.000	16298	22.8	5	-F	C	0121	45		H	ZX
GRP77794	16	0137	0138+0	0208	N07	W32	.526	16279	13.7	31	-N			90	1.1	FHL	
VORO	16	0137	0138	0146	N07	W32	.526	16279	13.7	9	-N	C	0138	81	.9	D	
CULG	16	0138E	0138U	0212	N06	W33	.542	16279	13.6	34D	-N	P	0138	100	1.1	FLT	
VORO	16	0158	0159	0204	N08	W32	.526	16279	13.7	6	-F	C	0159	72	.8	DH	
795 CULG	16	0155	0201	0230	N14	W75	.960	16275	10.5	35	1F	C	0201	180			ZX
796 CULG	16	0306	0307	0315	N09	W38	.611	16279	13.3	9	-F	C	0307	30	.4	LT	ZX
797 CULG	16	0333	0359	0417	S20	E35	.693	16295	18.8	44	1F	C	0359	180	2.3	F	ZX

H α SOLAR FLARES
SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA	CORR AREA		
					LAT.	MER. DIST.												
798 CULG	16	0338	0342	0346	N08	H32	.526	16279	13.8	8	-N	C	0342	60	.7	LT	ZX	
799 CULG	16	0354	0359	0405	N10	H39	.624	16279	13.2	11	-F	C	0359	50	.6	T	ZX	
800 CULG	16	0419	0445	0530	S27	E10	.581	16285	16.9	71	-F	C	0445	70	.9	KF	ZX	
GRP77801	16	0645+9	0658+2	0707	N08	H39	.625	16279	13.4	22	-B			130	1.7	F		
CULG	16	0645	0658	0707	N08	H40	.638	16279	13.3	22	1N	C	0658	160	2.1	T		
KANZ	16	0649	0700	0704	N08	H39	.625	16279	13.4	15	-B	1						
ATHN	16	0656	0659	0711	N09	H36	.583	16279	13.6	15	-B	3	C		95		F	
GRP77802	16	0651+2	0656+0	0702	N15	H69	.927	16275	11.1	11	-F							
CULG	16	0651	0656	0704	N15	H70	.933	16275	11.0	13	-F	C	0656	70				
KANZ	16	0653	0656	0700	N16	H68	.928	16275	11.2	7	-N	1						
GRP77803	16	0704+0	0707+1	0712	N03	E80	.984	16298	22.3	8	-N							
CULG	16	0704	0707	0712	N04	E80	.984	16298	22.3	8	1F	C	0707	160				
KANZ	16	0704	0708	0711	N03	E81	.987	16298	22.4	7	-N	1						
GRP77804	16	0759+0	0804+0	0823	N03	E85	.996	16298	22.7	24	-B			35				
ATHN	16	0759	0804	0823	N03	E85	.996	16298	22.7	24	-B	3	C		37		DE	
ATHN	16	0759	0804	0823	N03	E85	.996	16298	22.7	24	-B	1		0804	33	1.0		
805 LOCA	16	0855E	0855	0915	N07	E78	.976	16298	22.2	200	?N	V	0855	122	7.2	A	ZX	
		IMP.2 NO :	KANZ	CATA														
GRP77806	16	0937+1	0942+0	1015	N06	E60	.983	16298	22.4	38	2B						FZ	
			0950															
ATHN	16	0937	0942	1017	N03	E80	.984	16298	22.4	40	2B	3	C		350		Z F	
KANZ	16	0938	0942	1013	N06	E79	.980	16298	22.3	35	2B	2						
CATA	16	0945E	0950	10050	N08	E90	1.000	16298	23.2	200	3B	2	P	0950				
807 KANZ	16	1252	1257	1305	N14	H80	.980	16275	10.5	13	-F	2					ZX	
GRP77808	16	1256+1	1300+1	1316	N04	E78	.977	16298	22.4	20	-N							
RAMY	16	1256	1300	1312	N06	E72	.948	16298	21.9	16	-N	3	C					
KANZ	16	1257	1301	1320	N03	E84	.994	16298	22.8	23	-B	2						
	16	1406	1414	NO FLARE PATROL														
809 LVOV	16	1429	1445	1501	N22	E17	.376	16288	17.9	32	-N	C	1445	150	1.7		ZX	
GRP77810	16	1440+3	1444+2	1452	N08	H44	.690	16279	13.3	12	-N							
KANZ	16	1440	1444	1452	N08	H44	.690	16279	13.3	12	-N	2						
LVOV	16	1443	1446	1452	N08	H45	.702	16279	13.2	9	1N	C	1446	200	2.8			
GRP77811	16	1448+6	1457+2	1506	S13	H15	.424	16284	15.5	18	-F						D	
KANZ	16	1448	1457	1511	S14	H16	.446	16284	15.4	23	-N	2						
LVOV	16	1454	1459	1501	S13	H15	.424	16284	15.5	7	-F	C	1459	150	1.7	D		
812 BIGB	16	1633	1636	1647	N03	E80	.984	16298	22.7	14	-B	2	C	1636	40		ZX	
GRP77813	16	1740+4	1746+1	1807	N03	E78	.977	16298	22.6	27	-N			20				
PALE	16	1740	1747	1810D	N04	E76	.969	16298	22.4	300	-F	3	C		13		DE	
BIGB	16	1744	1746	1803	N03	E80	.984	16298	22.7	19	-B	3	P	1746	30			
814 BIGB	16	1901	1902	1919	N03	E80	.984	16298	22.8	18	-B	3	C	1902	30		ZX	
GRP77815	16	1950+1	1956+3	2051	N07	H41	.652	16279	13.8	61	-B			90	1.2			
PALE	16	1950	1956	2051	N07	H41	.652	16279	13.8	61	-B	3	C		79		DE	
BIGB	16	1951	1959	2048E	N08	H41	.651	16279	13.8	570	-B	2	P	1959	100	1.4		
816 CULG	16	2152E	2157U	2219D	N14	H72	.945	16275	11.6	270	-F	P	2157	60		ZX		
817 CULG	16	2208E	2219U	2219D	N05	E71	.943	16298	22.2	110	-F	P	2219	50		ZX		
GRP77818	16	2316	2350+5	0054	N04	E76	.969	16298	22.7	98	1N			230			FHJ	
PALE	16	2316	2355	2359D	N04	E78	.977	16298	22.8	430	2N	3	C		520		F	
MANI	16	2346E	2350U	0010D	N06	E71	.942	16298	22.3	240	-F	3	C		50		F	
BIGB	16	2347	2352	0054	N03	E75	.965	16298	22.6	67	2N	3	C	2352	290			
VORO	16	2347E		0008D	N04	E80	.984	16298	23.0	21	1N	P	2349	179		DHJ		
819 VORO	17	0103E		0114D	S12	E68	.941	16304	22.1	11	-F	P	0104	108		DG	ZX	
	17	0233	0252	NO FLARE PATROL														
	17	0302	0310	NO FLARE PATROL														
	17	0335	0348	NO FLARE PATROL														

H α SOLAR FLARES

SEPTEMBER 1979

OBSERV- ATORY	OBSERVED UT				LOCATION				DURA- TION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION			CMP DAY	COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk		CORR AREA Sq. Deg.	
					LAT.	MER. DIST.												
	17	0427	0428	NO FLARE PATROL														
820 ABST	17	0513	0517	0524	N08	W49	.750	16279	13.5	11	-F	C	0517	87	1.4	D	ZX	
GRP77821	17	0522+5	0528+2	0604	N03	E69	.932	16298	22.4	42	1F		100			HJ		
ABST	17	0522	0528	0534D	N05	E69	.931	16298	22.4	120	1N	P	0528	87		DJ		
YUNN	17	0525	0530	0530D	N03	E71	.944	16298	22.6	50	1F	P		116		EH		
KANZ	17	0527	0535	0604	N03	E67	.919	16298	22.3	37	-F	1						
822 KANZ	17	0618	0626	0629	N09	W49	.749	16279	13.6	11	-F	1				ZX		
823 ABST	17	0710	0719	0733	N08	W49	.750	16279	13.6	23	-F	C	0719	87	1.4	D	ZX	
GRP77824	17	0720+5	0722+0	0732	N03	E71	.944	16298	22.6	12	-N							
ABST	17	0720	0722	0730	N03	E76	.969	16298	23.0	10	1N	C	0722	87		D		
KANZ	17	0722	0722	0734	N03	E71	.944	16298	22.6	12	-F	1						
ISTA	17	0725		0730D	N06	E69	.930	16298	22.5	50	-N	V				E		
GRP77825	17	0930+1	0935+0	0942	N04	E72	.949	16298	22.8	12	?F							
KANZ	17	0930	0935	0943	N03	E74	.960	16298	22.9	13	?N	1						
BERN	17	0931	0935	0941	N05	E71	.943	16298	22.7	10	2F	C						
GRP77826	17	1034	1036	1042	N05	E67	.918	16298	22.5	8	-N							
BERN	17	1034	1036	1041	N05	E66	.925	16298	22.5	7	-N	C						
KANZ	17	1037E	1037	1043	N05	E66	.911	16298	22.4	60	-N	1						
827 HUAN	17	1440		1446	N06	W45	.703	16279	14.2	6	-F	1	C			ZX		
828 BIGB	17	1543	1546	1559	N08	E67	.916	16298	22.7	16	-F	3	C	1546	40		ZX	
GRP77829	17	1603+2	1605+1	1616	N08	E65	.902	16298	22.5	13	-N							
BIGB	17	1603	1606	1620	N08	E66	.909	16298	22.6	17	-N	3	C	1606	40			
RAMY	17	1605	1605	1612	N09	E65	.901	16298	22.5	7	-N	3	C					
GRP77830	17	1639+2	1643+4	1659	N08	E65	.902	16298	22.6	20	-N			40	.9			
BIGB	17	1639	1643	1701	N08	E66	.909	16298	22.6	22	-B	3	C	1643	50			
RAMY	17	1641	1647	1656	N08	E65	.902	16298	22.6	15	-N	3	C		25			
GRP77831	17	1703+2	1705+2	1730	N04	E67	.918	16298	22.7	27	-N			70		F		
PALE	17	1703	1707	1730	N04	E67	.918	16298	22.7	27	-N	3	C		68	F		
BIGB	17	1704	1705	1743	N04	E66	.925	16298	22.8	39	-N	3	C	1705	90			
RAMY	17	1705	1705	1714	N05	E67	.918	16298	22.7	9	-B	3	C		40			
RAMY	17	1719	1720	1726	N05	E66	.911	16298	22.7	7	-N	3	C		26			
832 BIGB	17	1731	1734	1740	N15	E36	.590	16296	20.4	9	-N	3	C	1734	100	1.3	G	ZX
GRP77833	17	1810+7	1811	1830	N06	E62	.879	16298	22.4	20	-N					F		
BIGB	17	1810	1811	1825	N08	E63	.886	16298	22.5	15	-N	3	C	1811	50	1.1		
PALE	17	1816	1818	1830	N06	E62	.879	16298	22.4	14	1F	3	C		185		F	
RAMY	17	1817	1818	1825	N08	E62	.878	16298	22.4	8	-N	3	C		24			
BIGB	17	1817	1819	1839	N02	E67	.920	16298	22.8	22	-N	3	C	1819	70			
834 PALE	17	1905	1905	1907	N06	E62	.879	16298	22.4	2	-F	3	C		24		F	ZX
835 BIGB	17	1911	1930	2024	N26	E90	.998	16310	24.5	73	-N	3	C	1930	40		ZX	
836 CULG	17	2109	2113	2117	N06	E57	.835	16298	22.2	8	-N	C	2113	50	1.0	T	ZX	
837 CULG	17	2241	2246	2251	N11	W61	.868	16279	13.4	10	-F	C	2246	30	.6		ZX	
GRP77838	17	2242+0	2243+0	2246	N03	E62	.882	16298	22.6	4	-N			70	1.5	V		
CULG	17	2242	2243	2247	N04	E61	.873	16298	22.5	5	-N	C	2243	88	1.6	VT		
BIGB	17	2242	2243	2245	N03	E63	.890	16298	22.7	3	-B	2	C	2243	70	1.6		
839 CULG	17	2251	2254	2258	N06	E57	.835	16298	22.2	7	-F	C	2254	50	1.0	T	ZX	
840 CULG	17	2312	2313	2318	N04	E60	.864	16298	22.5	6	-F	C	2313	20	.4	T	ZX	
841 CULG	17	2317	2325	0002	N08	W56	.824	16279	13.8	45	-F	P	2325	60	1.2		ZX	
842 CULG	18	0001	0011	0020	N12	W63	.885	16279	13.3	19	-N	C	0011	20	.4	T	ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS AREA	CORR AREA	
					LAT.	MER. DIST											
GRP77843	18	0021+1	0025+1	0037	N07	E60	.862	16298	22.5	16	18				100	2.1	
CULG	18	0021	002E	0039	N08	E60	.861	16298	22.5	18	18	C	0026		110	2.2	
BIGB	18	0022	0025	0035	N07	E61	.870	16298	22.6	13	18	3 C	0025		100	2.1	
844 CULG	18	0051	010E	0145	N25	E88	.996	16310	24.6	54	-F	C	0106		30		T ZX
845 CULG	18	0124	0128	0139	N05	E58	.845	16298	22.4	15	-F	C	0128		40	.8	ZX
846 CULG	18	0149	0159	0220	N22	E60	.862	16307	22.6	31	-N	C	0159		80	1.5	F ZX
847 CULG	18	0224	0235	0250	N25	E87	.995	16310	24.6	260	-F	C	0235		30		T ZX
848 CULG	18	0302	0314	0329	N12	H65	.900	16279	13.3	27	-F	C	0314		20	.4	T ZX
849 CULG	18	0326	0332	0340	S25	E50	.851	16300	21.9	14	-N	C	0332		20	.4	T ZX
850 CULG	18	0419	0435	0447	S21	E50	.835	16300	21.9	28	-F	C	0435		80	1.5	ZX
851 CULG	18	0603	0606	0630	S21	E51	.843	16300	22.1	27	-N	C	0606		60	1.1	L ZX
852 CULG	18	0632	0649	0653	N10	H64	.893	16279	13.5	210	-N	P	0649		30	.7	T ZX
853 YUNN	18	0658	070E	0718	S21	E82	.996	16305	24.4	20	?N	C			64		ZX
		IMP.1	NO	1	MONT												
854 CATA	18	0710E	0800	0915	N22	E80	.978		24.3	1250	?N	2 P	0800		112		ZX
		IMP.1	NO	1	YUNN	KANZ	MONT	HTPR									
855 HTPR	18	0728		0736	S18	E90	1.001	16305	25.1	80	-F	C	0732		20		ZX
856 HTPR	18	0744E		0748	S18	E90	1.001	16305	25.1	40	-N	C	0746		30		ZX
GRP77857	18	0746+4	075E+9	0856	N09	H63	.886	16279	13.6	70	1N				130	2.9	E
			0823														
KANZ	18	0746	0823	0910	N10	H64	.893	16279	13.5	84	1N	2					
YUNN	18	0747	0808	0855	N10	H64	.893	16279	13.5	68	18	C			209	4.8	E
MONT	18	0748	0804	0804	N08	H62	.878	16279	13.7	160	-N	C	0804		110		E
CATA	18	0750	0800	0915	N12	H60	.859	16279	13.8	850	18	2 P	0800		168	3.4	E
HTPR	18	0755E	0804	0835	N09	H63	.886	16279	13.6	400	-N	C	0804		50	1.1	E
ATHN	18	0757E	0758	0844	N07	H62	.879	16279	13.7	470	-B	2 C			95		DE
GRP77858	18	0835		0930	S20	E87	1.000	16305	24.9	55	-F						A
KANZ	18	0835		0928	S21	E84	.999	16305	24.7	53	-F	2					
ISTA	18	0920E		0932	S20	E90	1.001	16305	25.1	120	-F	V					AB
859 HTPR	18	1030	1036	1044	S18	E90	1.001	16305	25.2	14	-F	C	1036		20		ZX
860 HTPR	18	1033	1036	1040	N25	E80	.978	16310	24.4	7	-F	C	1036		10		ZX
GRP77861	18	1224+5	1230+6	1239	N03	E55	.818	16298	22.6	15	-F						
HTPR	18	1224	1230	1237	N04	E55	.817	16298	22.6	13	-F	C	1230		30	.5	
KANZ	18	1229	1236	1239	N02	E54	.809	16298	22.6	10	-F	1					
BERN	18	1229	1231	1240	N03	E55	.818	16298	22.6	11	1F	C			150		
862 HTPR	18	1253	1254	1309	N04	E56	.827	16298	22.7	16	-F	C	1254		20	.4	E ZX
GRP77863	18	1405+3	1424+3	1452	S18	E7E	.987	16305	24.4	47	-F				35		A
			1446														
KANZ	18	1405	1426	1446	S18	E77	.985	16305	24.4	41	-F	2					
RAMY	18	1408	1424	1458	S18	E76	.982	16305	24.3	50	-F	3 C					
HTPR	18	1420	1424	1440	S18	E90	1.001	16305	25.3	20	-F	C	1424		40		
BIGB	18	1423	1427	1440	S19	E80	.992	16305	24.6	17	-N	2 C	1427		30		A
BIGB	18	1444	1446	1516	S19	E80	.992	16305	24.6	32	-N	3 C	1446		40		A
GRP77864	18	1432+3	1437+3	1513	N03	E53	.798	16298	22.6	41	18						
BERN	18	1432	1438	1508	N02	E56	.829	16298	22.8	36	1N	C			300		
KANZ	18	1432	1440	1516	N03	E52	.787	16298	22.5	44	18	2					
BIGB	18	1433	1440	1515	N05	E52	.785	16298	22.5	42	18	2 C	1440		240	4.0	E
HTPR	18	1433	1438	1515	N03	E51	.777	16298	22.4	42	18	C	1438		200	3.1	FDE
RAMY	18	1435	1437	1503	N08	E50	.761	16298	22.4	28	-B	3 C			160		T
WEND	18	1438E		1514	N02	E54	.809	16298	22.7	360	1N	C	1446		160	2.8	T
LOCA	18	1440E	1440	1510	N05	E54	.806	16298	22.7	300	2N	V	1440		367	6.6	F
HOLL	18	1440E	1440	1642	N05	E52	.785	16298	22.5	1220	28	2 C			435		
HUAN	18	1441E		1444	N02	E55	.819	16298	22.7	30	-N	1 P	1441		30	.5	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH FLARE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.			
					LAT.	NER. DIST.													
GRP77865	18	1437+7	1441+8	1524	N09	H66	.908	16279	13.7	47	-N			60					
HTPR	18	1437	1448	1530	N09	H70	.935	16279	13.4	53	-F	C	1448	30			E		
LOCA	18	1440E	1442	1520	N09	H62	.878	16279	14.0	400	1N	V	1442	143	2.9				
RAYH	18	1441	1441	1529	N07	H66	.909	16279	13.7	48	-B	3 C							
KANZ	18	1442	1446	1522	N10	H66	.908	16279	13.7	40	-N	2							
HOLL	18	1443	1449	1542	N08	H65	.902	16279	13.7	59	-B	2 C		67			F		
BIGB	18	1444	1446	1510	N08	H66	.909	16279	13.7	26	-B	3 C	1446	50					
WEND	18	1446E		1520	N09	H65	.901	16279	13.7	340	-N	C	1446	60			B		
866	BIGB	18	1700	1706	1711	N26	E79	.974	16310	24.6	11	-N	3 C	1706	20			ZX	
867	BIGB	18	1734	1739	1817	S18	E03	.428	16295	19.0	43	-N	3 C	1739	140	1.4		G ZX	
868	HOLL	18	1756	1756	1805	N05	E54	.806	16298	22.8	9	-N	3 C		24			ZX	
GRP77869	18	1922+4	1924	1950	N03	E49	.754	16298	22.5	28	-N								
	BIGB	18	1922E	1924	1935	N05	E46	.717	16298	22.3	130	-B	2 P	1924	40	.6			
	BIGB	18	1926	1934	2004	N02	E52	.789	16298	22.7	38	-N	2 C	1934	70	1.2			
	18	2115	2126	NO FLARE PATROL															
870	HOLL	18	2159	2201	2207	N06	E47	.728	16298	22.4	8	-N	3 C		34			ZX	
	18	2208	2209	NO FLARE PATROL															
GRP77871	18	2305	2313+6	2329	N04	E50	.764	16298	22.7	24	-N							DK	
VORO	18	2305	2313	2326	N05	E50	.763	16298	22.7	21	-N	C	2313	116	1.8			DK	
BIGB	18	2318E	2319	2331	N03	E51	.777	16298	22.8	130	-B	2 P	2319	30	.5				
GRP77872	19	0044+8	0054+0	01440	N25	E75	.958	16310	24.7	60	-N							FK	
CULG	19	0044	0054	01440	N25	E74	.954	16310	24.6	600	1F	C	0054	80				FKT	
BIGB	19	0052	0054	0056E	N26	E76	.963	16310	24.7	40	-N	1 P	0054	30					
873	VORO	19	0151	0159	0208	N04	E50	.764	16298	22.8	17	-N	C	0159	63	1.0		OJ ZX	
874	CULG	19	0241	0246	0257	N07	E51	.773	16298	22.9	16	-F	C	0246	30	.5		ZX	
875	CULG	19	0258	0310	0321	N10	H77	.970	16279	13.3	23	-N	C	0310	60			T ZX	
876	CULG	19	0307	0313	0327	S12	E06	.343	16295	19.6	20	-F	C	0313	20	.2		ZX	
877	CULG	19	0327	0335	0421	N17	E72	.944	16312	24.5	54	?N	C	0335	140			HG ZX	
	IMP.1 NO : MITK			YUNN															
878	CULG	19	0355	0424	0440	S26	H35	.737	16285	16.5	45	-F	C	0424	70	1.0		ZX	
GRP77879	19	0356+4	0405+3	0442	N10	H76	.966	16279	13.5	46	1N			220				E	
	YUNN	19	0356	0405	0415	N11	H76	.966	16279	13.5	19	1N	C		193				
	CULG	19	0357	0408	0541	N10	H75	.962	16279	13.5	104	2N	C	0408	210				
	MITK	19	0400	0406	0441	N10	H72	.946	16279	13.8	41	1N	C	0406	170			E	
	TACH	19	0412E	0412	0440	N09	H77	.971	16279	13.4	280	1N	C	0412	309			EB	
	PURP	19	0415E	0415	0422	N08	H78	.975	16279	13.3	70	1N	P						
	YUNN	19	0418	0423	0445	N10	H74	.957	16279	13.6	27	1N	C		193			E	
GRP77880	19	0411+2	0415+5	0432	N03	E46	.719	16298	22.6	21	1N			220	3.2			E	
CULG	19	0411	0420	0434U	N03	E47	.731	16298	22.7	230	1N	C	0420	180	2.7				
MITK	19	0413	0417	0432	N03	E45	.719	16298	22.6	19	1F	C	0417	170	2.6			E	
TACH	19	0414E	0415	04300	N03	E46	.719	16298	22.6	160	1N	C	0415	309	4.6			E	
PURP	19	0415E	0415	0430	N05	E40	.640	16298	22.2	150	1B	P							
881	CULG	19	0615	0619	0639	S21	E35	.700	16300	21.9	24	-F	C	0615	50	.7		L ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPOR-TANCE	OBS COND TYPE	MEASUREMENTS			REMARKS			
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION				CMP. DAY	TIME UT	MEAS. AREA Mil. of Disk		CORR AREA Sq. Deg.		
					LAT.	MER. DIST.												
GRP77882	19	0645+3	0648 0710+7	0757	N03	E43	.682	16298	22.5	72	1N				IJZ			
CULG	19	0645	0712	0723D	N03	E42	.669	16298	22.4	38D	2N	C	0712	460	6.4	FIJ		
ATHN	19	0645	0648	0659	N05	E42	.667	16298	22.4	14	-N	1	0648	33	.4			
WEND	19	0647	0710	0725	N06	E41	.653	16298	22.4	38	-F	C	0710	80	1.1	EZ		
PURP	19	0648	0717	0730	N03	E45	.707	16298	22.7	42	2B	C		566	7.8			
ISTA	19	0708E		0725	N07	E42	.665	16298	22.4	25D	-N	V				E		
WEND	19	0707		0817	N02	E42	.671	16298	22.4	70	-F	C	0710	88	1.2			
MONT	19	0708E	0710	0846	N04	E43	.681	16298	22.5	98D	1N	C	0710	250				
ISTA	19	0708		0730D	N02	E44	.656	16298	22.6	220	-F	V				E		
ATHN	19	0709	0712	0809	N05	E44	.692	16298	22.6	60	1B	3	C		190		F	
MITK	19	0710E	0712	0732D	N03	E45	.707	16298	22.7	22D	1N	C	0712	220	3.1	E		
KANZ	19	0715E		0845	N02	E42	.671	16298	22.5	90D	1N	2				F		
CATA	19	0720E	0755	0845	N02	E44	.696	16298	22.6	85D	1B	2	P	0755	196	2.8		
YUNN	19	0725E	0726	0745D	N02	E45	.709	16298	22.7	200	1N	P		193	2.8			
GRP77883	19	0711+2	0714+2	0721	N06	H74	.959	16279	13.7	10	-N				70			
ATHN	19	0711	0714	0731	N05	H73	.954	16279	13.8	20	-B	3	C		64		DE	
CULG	19	0711	0716	0722	N07	H75	.963	16279	13.7	11	1B	C	0716	90				
MONT	19	0713	0716	0720	N06	H76	.968	16279	13.6	7	-F	C	0716	50				
KANZ	19	0715E	0715	0720	N07	H73	.953	16279	13.8	5D	-B	1						
884 CATA	19	1100	1120	1145D	S22	E28	.643	16300	21.6	45D	-F	2	P	1120	112	1.5	ZX	
885 RAMY	19	1219	1219	1221D	N06	E39	.626	16298	22.4	2D	-B	3	C		36		ZX	
886 HTPR	19	1235E		1250	N05	E37	.600	16298	22.3	15D	-F	C	1235	30	.4	E	ZX	
GRP77887	19	1353+0	1358+1 1408+0	1423	N09	H78	.975	16279	13.7	30	1B				120		A	
KANZ	19	1353	1359	1423	N09	H80	.982	16279	13.6	30	1B	3					A	
HOLL	19	1353E	1358	1423	N08	H75	.962	16279	14.0	30D	1B	3	C				FDE	
HTPR	19	1405E		1414D	N09	H80	.982	16279	13.6	9D	1N	C	1407	120		ABE		
BIGB	19	1407E	1408	1422	N08	H75	.962	16279	14.0	15D	1B	2	P	1408	390		A	
LOCA	19	1408E	1408	1425	N10	H80	.982	16279	13.6	17D	1N	V	1408	82	4.8	A		
GRP77888	19	1407+8	1420+0	1512	N05	E38	.613	16298	22.4	65	-N				80	1.0	E	
HOLL	19	1407	1420	1524	N04	E39	.628	16298	22.5	77	-B	3	C		93		DE	
LOCA	19	1415	1420	1500	N07	E38	.612	16298	22.4	45	-N	V	1420	82	1.1			
HTPR	19	1420E		1446D	N05	E37	.600	16298	22.4	26D	-F	C	1431	30	.4	E		
GRP77889	19	1449+2	1451+0	1503	S14	E01	.361	16295	19.7	14	-N						G	
BIGB	19	1449	1451	1502	S14	E02	.362	16295	19.8	13	-N	2	C	1451	60	.6	G	
KANZ	19	1451	1451	1503	S15	E01	.377	16295	19.7	12	-N	1				G		
GRP77890	19	1600+2	1602+1	1627	N05	E36	.586	16298	22.4	27	-B				20	.2		
HOLL	19	1542	1603	1632	N05	E36	.586	16298	22.4	50	-B	3	C		30		DE	
KANZ	19	1600	1602	1605D	N05	E36	.586	16298	22.4	50	-B	1						
BIGB	19	1602	1603	1622	N07	E36	.584	16298	22.4	20	-B	2	C	1603	10	.1		
GRP77891	19	1740+2	1744+2	1806	N06	E36	.585	16298	22.4	26	-B				70	.9		
PALE	19	1740	1744	1806	N06	E36	.585	16298	22.4	26	-B	3	C		74		FDE	
HUAN	19	1741E		1754	N06	E35	.570	16298	22.4	130	-N	1	P	1743	20	.2	D	
BIGB	19	1742	1746	1816	N04	E39	.628	16298	22.7	34	-B	3	C	1746	100	1.3		
GRP77892	19	1828+3	1835 1844	1908	N05	E36	.586	16298	22.5	40	-F						FU	
PALE	19	1828	1844	1903	N06	E36	.585	16298	22.5	35	-F	3	C		66		U F	
HUAN	19	1830		1910D	N03	E41	.656	16298	22.8	40D	-F	1	P					
BIGB	19	1831	1835	1908D	N05	E35	.572	16298	22.4	37D	-N	3	P	1835	160	2.0		
GRP77893	19	1916+2	1924 1954	2019	N05	E37	.600	16298	22.6	63	-N							
PALE	19	1916	1954	2022	N05	E37	.600	16298	22.6	66	-N	3	C		114		FDE	
BIGB	19	1918	1924	2015	N05	E35	.572	16298	22.4	57	-N	2	P	1924	120	1.5		
HUAN	19	1931E		1935D	N03	E39	.630	16298	22.7	4D	-F	1	P				E	
894 HOLL	19	2009	2012	2040	S25	H41	.780	16285	16.8	31	-N	3	C		60		ZX	
895 PALE	19	2025	2027	2030	N04	E37	.601	16298	22.6	5	-F	*	C		28		FDE	ZX
GRP77896	19	2031+8	2046 2050+8	2158	N05	E35	.572	16298	22.5	87	1B				400	4.9	FIU	
HOLL	19	1709	2050	2158	N05	E36	.586	16298	22.4	289	1B	*	C		336		U F	
PALE	19	2031	2057U	2149	N05	E34	.557	16298	22.4	78	2N	*	C		462		U F	
PALE	19	2031	204E	2047	N05	E34	.557	16298	22.4	16	1N	*	C		249		FDE	
BIGB	19	2039	2052	2129D	N05	E37	.600	16298	22.6	50D	1B	*	P	2052	210	2.7		
CULG	19	2056	2058U	2256D	N04	E34	.559	16298	22.4	120D	2N	*	P	2058	660	8.2	FI	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
897 CULG	19	2113	2140	2153	S23	W43	.785	16285	16.7	40	-N	C	2140	50	.9	HT	ZX
898 CULG	19	2120	2123	2126	N19	W81	.982	16279	13.8	6	-F	C	2123	40			ZX
899 PALE	19	2206	2218U	2240	N09	E36	.583	16298	22.6	34	-F	* C		68			ZX
900 HOLL	19	2247	2256	2307	S20	E60	.906	16305	24.4	20	-N	3 C		31			ZX
GRP77901	19	2256+0	2303+8	0103	N06	E33	.542	16298	22.4	127		3B		1330	15.9		UVZ
			2319														
PURP	20	0047E	0047	0140	N05	E33	.543	16298	22.5	530	2N	* P		491	5.8		
CULG	19	2256	2311	0206U	N06	E32	.527	16298	22.4	1900	3B	* C	2311	1500	18.0		VZF
HOLL	19	2256	2303	00250	N06	E33	.542	16298	22.4	890	3B	* C		1203			UDE
PALE	19	2304E	2307	00100	N06	E32	.527	16298	22.4	660	3B	* C		1301			F
BIGB	19	2317E	2319	0023	N04	E34	.559	16298	22.5	660	2B	* P	2319	580	7.2		
902 CULG	19	2302	2309	2329	S23	W44	.794	16285	16.7	27	-N	C	2309	60	1.0	HK	ZX
GRP77903	19	2313+6	2337+1	2347	N26	E58	.850	16310	24.3	34	-F			25	.5		
CULG	19	2313	2337	2347	N25	E56	.832	16310	24.2	34	-F	C	2337	30	.5		
HOLL	19	2319	2338	2346	N28	E60	.868	16310	24.5	27	-N	3 C		19			
GRP77904	19	2341+9	2358+1	0024	S19	E62	.917	16305	24.6	43	-B						
HOLL	19	2341	2359	0024	S20	E60	.906	16305	24.5	43	-B	3 C		55			
BIGB	19	2357	2358	23590	S19	E64	.929	16305	24.8	20	-B	2 P	2358	20	.5		
905 CULG	19	2351	2403	0025	N12	W85	.994	16279	13.6	34	-F	C	2403	30			ZX
906 CULG	19	2355	2359	0011	S19	W60	.903		15.5	16	-N	C	2359	40	1.0		ZX
907 CULG	20	0037	0041	0049	S23	W47	.818	16285	16.5	12	-N	C	0041	40	.6	H	ZX
908 CULG	20	0131	0139	0146	S23	W47	.818	16285	16.5	15	-F	C	0139	30	.5	H	ZX
909 CULG	20	0201	0205	0231	S39	E50	.909	16306	23.8	30	?N	C	0205	120	2.7		ZX
		IMP.1 NO :	PALE	PURP													
910 CULG	20	0214	0220	0233	N19	W85	.993	16279	13.7	19	?N	C	0220	60			ZX
		IMP.1 NO :	PALE	PURP	YUNN												
911 CULG	20	0305	0308	0312	S23	W48	.827	16285	16.5	7	-N	C	0308	40	.6	H	ZX
912 YUNN	20	0343E	0353	0405	N06	E30	.497	16298	22.4	220	?N	C		177	2.0	E	ZX
		IMP.1 NO :	CULG	PURP													
913 CULG	20	0344	0347	0400	S23	W48	.827	16285	16.6	16	-F	C	0347	30	.5	KH	ZX
GRP77914	20	0454	0510	0524	N04	E29	.485	16298	22.4	30	-N						
CULG	20	0454	0510	0537	N04	E29	.485	16298	22.4	43	1N	C	0510	360	4.1	TF	
TACH	20	0500E		0510	N05	E30	.499	16298	22.5	100	-N	V	0500	177	2.0	E	
915 CULG	20	0527	0546	0658	S19	E60	.903	16305	24.7	91	-F	C	0546	80	1.8		ZX
GRP77916	20	0705+9	0721	0722	S23	W49	.835	16285	16.6	17	-N			35	.6	DH	
CULG	20	0705	0721	0723	S23	W50	.843	16285	16.5	18	-N	C	0721	30	.5	H	
BUCA	20	0720		0721	S23	W48	.827	16285	16.7	1	-N	C	0720	43	.8	D	
GRP77917	20	0758+1	0800+3	0816	N05	E24	.406	16298	22.1	18	1N			300	3.3	EHJU	
ATHN	20	0559E	0800U	0810	N04	E25	.424	16298	22.1	1310	-B	* C		159		DE	
YUNN	20	0758	0801	0810	N05	E22	.374	16298	22.0	12	1N	* C		306	3.3	EH	
KANZ	20	0758	0801	0816	N05	E24	.406	16298	22.1	18	1B	* C				F	
BUCA	20	0759	0803	0811	N06	E25	.420	16298	22.2	12	1N	* C	0803	322	3.6		
MONT	20	0759	0803	0824	N05	E25	.422	16298	22.2	25	1N	* C	0803	250			
TELV	20	0759	0801	0832	N09	E20	.340	16298	21.8	33	-B	* C		122	1.3	TU	
TELV	20	0759E	0759	0812	N06	E27	.452	16298	22.4	130	-N	* C		81	.9	TF	
ATHN	20	0759E	0800U	0810	N04	E25	.424	16298	22.2	110	-B	* C		159		DE	
ABST	20	0759	0802	0815	N05	E27	.453	16298	22.4	16	1N	* P	0802	218	2.5	EJ	
ABST	20	0800	0803	0819	N07	E19	.323	16298	21.8	19	1N	* P	0803	192	2.1	EJ	

H α SOLAR FLARES
SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA	CORR AREA			
					LAT.	MER. DIST.												Mill. of Disk	Sq. Deg.
937	CULG	20	2127	2133	2140	S22	E44	.788	16305	24.2	13	-F	C	2133	30	.5		ZX	
938	CULG	20	2150	2154	2216U	N03	E23	.395	16298	22.6	260	?N	C	2154	230	2.5	VFT	ZX	
			IMP.1	NO 1	BIGB HOLL														
939	CULG	20	2204	2217	2223	S19	E49	.818	16305	24.6	19	-N	C	2217	80	1.4		ZX	
GRP77940		20	2207+7	2217	2252	N26	H64	.895	16282	16.1	45	-F						G	
	CULG	20	2207	2217U	2242D	N26	H64	.895	16282	16.1	350	1F	C	2217	200	4.5			
	BIGB	20	2214	2240	2252	N27	H64	.896	16282	16.1	38	-F	2	C	2240	60	1.4		G
GRP77941		20	2255+2	2305	0002	N05	E20	.342	16298	22.5	67	-N							
				2318															
	BIGB	20	2255	2305	0006	N04	E21	.360	16298	22.5	71	-N	2	C	2305	60	.7		
	HOLL	20	2257	2318	2357	N06	E19	.324	16298	22.4	60	-B	3	C		77			DE
942	CULG	20	2257E	2258	2304	S18	E49	.814	16305	24.6	70	-N	C	2258	60	1.1		ZX	
GRP77943		20	2341+5	2350	2358	S22	H59	.904	16285	16.6	17	-N							
	HOLL	20	2341	2359	0001D	S20	H60	.906	16285	16.5	200	-B	3	C		55			
	CULG	20	2346	2350	2355	S24	H58	.903	16285	16.6	9	-N	C	2350	40	1.0			
944	CULG	21	0003	0010	0121	N27	E38	.658	16310	23.9	78	?F	C	0010	310	4.0	S	ZX	
			IMP.1	NO 1	PURP HOLL														
945	CULG	21	0030	0036	0047	N05	E24	.406	16298	22.8	17	-F	C	0036	30	.3	H	ZX	
GRP77946		21	0058+9	0058	0153	N03	E20	.347	16298	22.5	55	-N							
				0128															
	PURP	21	0058E	0058	0151	N05	E18	.309	16298	22.4	53D	-N	P						
	CULG	21	0122	0128	0155	N02	E22	.383	16298	22.7	33	-N	C	0128	110	1.2		T	
947	CULG	21	0104	0111	0121	S21	E45	.792	16305	24.4	17	-F	C	0111	40	.6		ZX	
948	CULG	21	0120	0125	0144	N10	E45	.702	16312	24.4	24	-F	C	0125	50	.7	G	ZX	
GRP77949		21	0142+6	0151+2	0203	N06	E18	.308	16298	22.4	21	-N							
	CULG	21	0142	0153	0210	N08	E18	.307	16298	22.4	28	-N	*	C	0153	100	1.1		T
	PURP	21	0148	0151	0155	N05	E18	.309	16298	22.4	7	-N	*	C					
GRP77950		21	0228+9	0254	0335	N05	E18	.309	16298	22.5	67	1N							
				0312+0															
	CULG	21	0228	0254	0335U	N05	E17	.293	16298	22.4	67D	2N	C	0254	480	5.0		FIT	
	PURP	21	0255	0312	0337	N05	E18	.309	16298	22.5	42	-N	P						
	YUNN	21	0308	0312	0320	N07	E18	.307	16298	22.5	12	1N	C		193	2.0		E	
951	PURP	21	0348	0351	0417	N05	E17	.293	16298	22.4	29	-N	P					ZX	
952	CULG	21	0430	0445U	0508U	N05	E15	.260	16298	22.3	380	1N	C	0445	300	3.2	T	ZX	
953	CULG	21	0438	0452	0507	S25	H60	.918	16285	16.7	29	-N	C	0452	60			ZX	
954	ABST	21	0507	0509	0511	N25	E45	.726	16310	24.6	4	-F	C	0509	79	1.2	DJ	ZX	
955	CULG	21	0514	0521	0529	N04	E15	.263	16298	22.3	15	-N	C	0521	100	1.0	T	ZX	
956	YUNN	21	0934	0935	0950	N08	E14	.240	16298	22.4	16	1N	C		314	3.3		ZX	
		21	1110	1152	NO FLARE PATROL														
GRP77957		21	1212+1	1218	1239	N05	E09	.160	16298	22.2	27	-F							
	HTPR	21	1212		1221D	N04	E08	.149	16298	22.1	90	-F	C	1214	20	.2			
	LVOV	21	1213	1218	1239	N06	E10	.174	16298	22.3	26	-N	C	1218	100	1.1			
		21	1253	1257	NO FLARE PATROL														
958	HTPR	21	1330E		1337	S17	E36	.682	16305	24.3	70	-F	C	1332	20	.2	E	ZX	
GRP77959		21	1336+2	1338+3	1405	N06	E11	.191	16298	22.4	29	-N							
				1401															
	HTPR	21	1336	1338	1405	N07	E11	.189	16298	22.4	29	-B	C	1338	150	1.5		E	
	HUAN	21	1338	1341	1352	N07	E12	.206	16298	22.5	14	-N	2	C	1341	75	.7		E
	HUAN	21	1359	1401	1404	N05	E11	.193	16298	22.4	5	-N	1	C	1401	45	.5		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	LONGITUDE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA		CORR AREA	
					LAT.	MER. DIST.												Mill. of Disk
960 LVOV	21	1413	1413	1424	N03	E10	.187	16298	22.3	11	-N	C	1413	100	1.1	C	ZX	
GRP77961	21	1457>9	1507+2	1527	N02	E12	.225	16298	22.5	30	-N							
	RAMY	21	1457	1509	1533	N02	E15	.272	16298	22.7	36	-B	3	C		80		F
	HTPR	21	1507	1507	1520	N02	E10	.194	16298	22.4	13	-F		C	1507	30	.3	E
GRP77962	21	1520>9	1532+3	1559	S09	E02	.279	16304	21.8	39	-F				45	.5		
	RAMY	21	1520	1532	1556	S09	E03	.282	16304	21.9	36	-F	3	C		49		
	HOLL	21	1535	1535	1602	S09	E02	.279	16304	21.8	27	-F	3	C		44		
GRP77963	21	1544+0	1546+4	1604	N03	E11	.203	16298	22.5	20	-N				50	.5	E	
	BIGB	21	1544	1550	1559	N03	E11	.203	16298	22.5	15	-N	2	C	1550	50	.5	
	RAMY	21	1544	1546	1608	N03	E11	.203	16298	22.5	24	-B	3	C		115		
	HTPR	21	1546E		1549D	N02	E10	.194	16298	22.4	30	-N		C	1549	50	.5	E
GRP77964	21	1618>9	1652	1746D	S21	E38	.728	16305	24.5	88	-F							
	BIGB	21	1618	1652	1830	S24	E41	.773	16305	24.8	132	-F	2	C	1652	80	1.1	
	RAMY	21	1736	1736	1746	S18	E36	.688	16305	24.4	10	-F	3	C		21		
GRP77965	21	1633+0	1637	1641D	N15	E78	.973	16315	27.5	8	-F							
	HOLL	21	1633	1637	1641	N16	E76	.964	16315	27.4	8	-F	3	C				
	BIGB	21	1633	1647	1716	N15	E80	.980	16315	27.7	43	-N	2	C	1647	50		
966 BIGB	21	1714	1718	1732	N06	E08	.140	16298	22.3	18	-F	2	C	1718	20	.2		ZX
967 BIGB	21	1719	1735	1811	S09	E02	.279	16304	21.9	52	-F	2	C	1735	20	.2		ZX
968 BIGB	21	1724	1736	1758	N14	E80	.980	16315	27.7	34	-N	2	C	1736	10			ZX
969 BIGB	21	1809	1811	1818	N09	E17	.291	16298	23.0	9	-N	2	C	1811	20	.2		ZX
970 HOLL	21	1835	1836	1849	N16	E77	.969	16315	27.5	14	-F	3	C					ZX
971 RAMY	21	1845	1846	1851	N06	E09	.157	16298	22.5	6	-N	3	C		28			ZX
972 BIGB	21	1911	1912	1916	N17	E78	.972	16315	27.6	5	-N	2	C	1912	30			ZX
GRP77973	21	2006+1	2007+4 2017+4	2031	N06	E08	.140	16298	22.4	25	-F				30	.3	F	
	BIGB	21	2006	2007	2015	N09	E09	.158	16298	22.5	9	-N	2	C	2007	30	.3	
	PALE	21	2007	2021	2029	N05	E07	.127	16298	22.4	22	-F	2	C		34		F
	BIGB	21	2010	2011	2020	N04	E08	.149	16298	22.4	10	-N	2	C	2011	30	.3	
	BIGB	21	2015	2017	2033	N08	E08	.139	16298	22.4	18	-F	2	C	2017	30	.3	
974 BIGB	21	2050	2052	2124	N15	E80	.980	16315	27.9	34	-N	2	C	2052	40			ZX
GRP77975	21	2110+0	2111+1	2130	N06	E07	.123	16298	22.4	20	-N				100	1.0		
	RAMY	21	2110	2111	2124	N06	E08	.140	16298	22.5	14	-B	3	C		137		FDE
	BIGB	21	2110	2112	2130	N07	E07	.121	16298	22.4	20	-N	2	C	2112	80	.8	
	PALE	21	2113E	2113U	2130	N05	E07	.127	16298	22.4	17D	-N	2	C		84		F
GRP77976	21	2120+1	2124+4	2143	N27	E36	.636	16310	24.6	23	-N				50	.7		
	BIGB	21	2120	2124	2143	N25	E36	.626	16310	24.6	23	-N	2	C	2124	50	.6	
	CULG	21	2121E	2128	2143	N27	E38	.658	16310	24.7	22D	1B		C	2128	340	4.4	
	RAMY	21	2121	2127	2141	N27	E34	.614	16310	24.4	20	-F	3	C		34		
GRP77977	21	2336+4	2345 2355+3	0030	N06	E05	.089	16298	22.4	54	1N				510	5.1	HIJL	
	VORO	22	0013E		0031	N06	E04	.072	16298	22.3	18D	1N		P	0013	332	3.3	BEJL
	CULG	21	2336U	2355	0054D	N07	E04	.069	16298	22.3	78D	2N		P	2355	600	6.0	FLIT
	BIGB	21	2340	2356	0031	N06	E05	.089	16298	22.4	51	-B	2	C	2356	120	1.2	
	MANI	21	2344E	2357	0010D	N06	E05	.089	16298	22.4	26D	1N			450	4.6		
	MANI	21	2344E	2345	0010D	N06	E05	.089	16298	22.4	26D	-F	2	C		25		
	YUNN	21	2351E	2358	0015	N06	E03	.055	16298	22.2	24D	2B		P	1085	10.9	EH	
	PALE	21	2356E	2356U	0027D	N06	E06	.106	16298	22.4	31D	3	C		473		F H	
978 VORO	22	0035	0037	0049	N12	E31	.514	16312	24.3	14	-N		C	0037	72	.8	D	ZX
GRP77979	22	0106	0108+4	0132	N06	E04	.072	16298	22.3	26	1N						HJL	
	BIGB	22	0106	0108	0125E	N06	E04	.072	16298	22.3	19D	-N	1	P	0108	60	.6	
	VORO	22	0108E		0132	N07	E05	.087	16298	22.4	24D	2F		P	0109	564	5.7	EHJL
	MANI	22	0110E	0112	0131D	N06	E04	.072	16298	22.3	21D	1N	2	C		250		FDE
	BIGB	22	0123E	0126	0126D	N07	E05	.087	16298	21.7	3D	-N	1	P	0126	30	.3	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS AREA Mill of Disk	CORR AREA -Sq. Deg.	
					LAT.	MER. DIST											
GRP77980	22	0151>9	0222	0320	N06	E03	.055	16298	22.3	89	1N			380	3.8	JKL	
			0238+2														
PALE	22	0151	0238U	0245D	N06	E04	.072	16298	22.4	54D	1B	3	C	321		FDE	
VORO	22	0215	0238	0301D	N06	E03	.055	16298	22.3	46D	2N		C	0238	529	5.3	EJKL
CULG	22	0215E	0222	0231D	N07	E03	.052	16298	22.3	16D	1N		P	0222	240	2.4	
YUNN	22	0217E	0217	0217D	N07	E03	.052	16298	22.3		1B		P		299	3.0	
MANI	22	0238E	0240U	0244D	N06	E04	.072	16298	22.4	6D	1N	2	C		300		FDE
YUNN	22	0253E	0253	0320	N06	E02	.039	16298	22.3	27D	1N		P		456	4.6	
	22	0326	0331	NO FLARE PATROL													
981 CULG	22	0340E	0340E	0355	N17	W60	.860	16288	17.7	15D	-F		P	0340	50	1.0	ZX
982 CULG	22	0349	0400	0411	N12	E28	.470	16312	24.3	22	-N		C	0400	120	1.4	T ZX
983 CULG	22	0609	0610D	0610D	N07	E03	.052	16298	22.5	1D	-N		P	0610	80	.8	FT ZX
984 HTPR	22	0614E	0617	0630	N05	W01	.040	16298	22.2	16D	-F		C	0617	40	.4	E ZX
985 YUNN	22	0630E	0630	0637	S28	W82	.998	16285	16.1	7D	?N		C		79		ZX
		IMP.1	NO	HTPR	CATA												
GRP77986	22	0646+4	0647+3	0725	N04	W01	.056	16298	22.2	39	-N			50	.5	E	
			0700														
HTPR	22	0646	0647	0654	N03	W01	.073	16298	22.2	8	-F		C	0647	50	.5	E
CATA	22	0650	0650	0700D	N03	W01	.073	16298	22.2	10D	-B	1	P	0650	56	.6	
HTPR	22	0650	0700	0725	N07	W02	.035	16298	22.1	35	-F		C	0700	40	.4	E
987 HTPR	22	0738	0744	0800	N06	W04	.072	16298	22.0	22	-F		C	0744	30	.3	E ZX
GRP77988	22	0821	0822+2	0840	N06	W03	.055	16298	22.1	19	-N			120	1.2	E	
HTPR	22	0821	0824	0840	N06	W03	.055	16298	22.1	19	-N		C	0824	100	1.0	E
MANI	22	0822E	0822U	0827D	N06	E01	.025	16298	22.4	5D	-N	3	C		150		
KHAR	22	0824E	0824	0830D	N04	W04	.088	16298	22.1	6D	-N		P				E
989 HTPR	22	0941	0946	0956	N07	W02	.035	16298	22.3	15	-F		C	0946	10	.1	ZX
990 HTPR	22	1009	1011	1020	N07	W02	.035	16298	22.3	11	-F		C	1011	20	.2	ZX
991 HTPR	22	1055	1056	1108	N07	W03	.052	16298	22.2	13	-N		C	1056	60	.6	E ZX
	22	1222	1226	NO FLARE PATROL													
992 HTPR	22	1249	1250	1300	S15	E19	.485	16305	24.0	11	-F		C	1250	30	.3	E ZX
993 HTPR	22	1258	1300	1320	N06	W05	.089	16298	22.2	22	-F		C	1300	20	.2	E ZX
GRP77994	22	1416+2	1420	1517	N06	W06	.105	16298	22.1	61	-N			40	.4	E	
			1502+4														
HTPR	22	1416E	1520	1520	N05	W07	.126	16298	22.1	64D	-F		C	1501	30	.3	E
LVOV	22	1418	1420	1443	N07	W06	.104	16298	22.1	25	-N		C	1418	150	1.6	C
HOLL	22	1500	1502	1517	N06	W03	.055	16298	22.4	17	-N	3	C		54		
BIG8	22	1503	1506	1517	N07	W06	.104	16298	22.2	14	-N	1	C	1506	30	.3	
995 BIG8	22	1609	1622	1637	N03	W02	.079	16298	22.5	28	-F	1	C		100	1.0	ZX
996 HTPR	22	1611	1621	1626	S15	E37	.679	16314	25.4	15	-F		C	1621	20	.2	ZX
GRP77997	22	1728>9	1731	1803	N06	W04	.072	16298	22.4	35	-N			50	.5	F	
			1743+1														
BIG8	22	1728	1731	1738	N07	W04	.069	16298	22.4	10	-F	2	C	1731	30	.3	
BIG8	22	1729	1744	1813	N07	W06	.104	16298	22.3	44	-N	2	C	1744	50	.5	
HOLL	22	1742	1743	1753	N06	W04	.072	16298	22.4	11	-B	3	C		49		F
998 HOLL	22	1803	1803	1809	S12	E35	.638	16314	25.4	6	-F	3	C		24		ZX
999 BIG8	22	1922	1923	1930	N39	E08	.541		23.4	8	-N	2	C		54	.6	ZX
GRP78000	22	1923+0	1924+1	1932	S15	E38	.690	16314	25.7	9	-N			25	.3		
HOLL	22	1923	1925	1931	S14	E38	.684	16314	25.7	8	-N	3	C		30		
BIG8	22	1923	1924	1933	S16	E38	.696	16314	25.7	10	-N	2	C	1924	20	.3	
GRP78001	22	2005+0	2011+0	2021	N05	W04	.078	16298	22.5	16	-F			25	.3		
PALE	22	2005	2011	2020	N05	W05	.094	16298	22.5	15	-F	3	C		20		DE
BIG8	22	2005	2011	2021	N06	W04	.072	16298	22.5	16	-F	2	C		27	.3	

60
Sep 79

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP. DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
GRP78002	22	2123>9	2140+3	2221	S14	H45	.759	16295	19.5	58	-F						F
CULG	22	2123	2140	2230	S13	H45	.755	16295	19.5	67	1F	C	2140	140	2.1		F
BIGB	22	2140	2143	2211	S15	H45	.763	16295	19.5	31	-F	2 C	2143	50	.7		
GRP78003	22	2158+1	2202+2	2233	N02	H02	.095	16298	22.8	35	-N						
CULG	22	2158E	2202	2238	N03	H03	.088	16298	22.7	40D	-N	C	2202	80	.8		
BIGB	22	2159	2204	2227	N02	H02	.095	16298	22.8	28	-N	2 C	2204	30	.3		
GRP78004	22	2336+1	2337+1	2341	S15	E34	.647	16314	25.5	5	-N			50	.7		DH
CULG	22	2336	2338	2341	S15	E33	.635	16314	25.5	5	-N	C	2338	60	.8		
VORO	22	2337	2337	2340	S15	E35	.658	16314	25.6	3	-N	C	2337	36	.4		DH
5 CULG	22	2351	2355	0001	S27	E76	.987	16322	28.7	10	-F	C	2355	50			ZX
6 PALE	22	2356	2356	0000D	N06	E0E	.105	16298	23.4	40	?B	3 C		473			FDE ZX
		IMP.1 NO 4	BIGB	HOLL	VORO	CULG	MITK										
7 BIGB	23	0002	000E	00190	S03	H10	.244	16298	22.3	170	-N	2 C		25	.3		D ZX
GRP78008	23	0002+1	0005	0056	N10	H13	.228	16298	22.0	54	-F						J
			0023														
CULG	23	0002	0023U	0105	N15	H13	.259	16298	22.0	63	-F	C	0023	80	.8		
VORO	23	0003	0005	0026	N06	H15	.258	16298	21.9	23	-N	C	0005	81	.8		DJ
VORO	23	0037	0039	0047	N06	H10	.173	16298	22.3	10	-F	C	0039	45	.5		OJ
GRP78009	23	0030+2	0035+0	0055	S13	H44	.744	16295	19.7	25	-N			120	1.8		EJ
CULG	23	0030	0035	0059	S13	H45	.755	16295	19.6	29	-N	C	0035	100	1.6		
VORO	23	0032	0035	0051	S14	H44	.745	16295	19.7	19	1F	C	0035	152	2.2		EJ
10 CULG	23	0101	0107	0114	N30	E60	.871		27.5	13	-F	C	0107	40	.8		ZX
GRP78011	23	0117+1	0120+2	0133	S12	E11	.374	16305	23.9	16	-N			80	.9		E
CULG	23	0117	0122	0136	S12	E10	.366	16305	23.8	19	-N	C	0122	70	.8		
VORO	23	0118	0120	0130	S13	E12	.396	16305	24.0	12	-N	C	0120	90	.9		E
GRP78012	23	0130+4	0134+2	0156	N07	H10	.172	16298	22.3	26	-N			120	1.2		
CULG	23	0130	0136	0201	N07	H10	.172	16298	22.3	31	-N	C	0136	120	1.2		
VORO	23	0131	0135	0151	N07	H10	.172	16298	22.3	20	-B	C	0135	143	1.4		E
PALE	23	0134	0134	01470	N05	H07	.126	16298	22.5	130	-N	3 C		53			F
GRP78013	23	0147+2	0150+0	0211	N33	H55	.839	16291	18.9	24	-N			90	1.7		GJ
CULG	23	0147	0150	0224	N33	H55	.839	16291	18.9	37	-N	C	0150	100	1.8		G
VORO	23	0149	0150	0157	N34	H55	.841	16291	19.0	8	-N	C	0150	81	1.5		GJ
14 VORO	23	0158	0159	0202	N15	H39	.630	16319	20.2	4	-N	C	0159	72	.9		OGJ ZX
GRP78015	23	0159+3	0203+3	0252	N05	H10	.176	16298	22.3	53	1N						F
CULG	23	0159	0205	0252	N03	H10	.186	16298	22.3	53	1N	* C	0205	230	2.3		F
VORO	23	0202	0203	02300	N06	H17	.291	16298	21.8	280	1B	* C	0204	376	3.8		E
HANI	23	0202E	0206U	02120	N05	H07	.126	16298	22.6	100	-F	* C		120			F
1E CULG	23	0222	0225	0227	N30	E59	.864		27.5	5	-F	C	0225	40	.8		ZX
17 CULG	23	0504	0512	0528	S12	E10	.366	16305	24.0	24	-N	C	0512	140	1.5		L ZX
GRP78018	23	0618	0623	0643	N06	H11	.190	16298	22.4	25	-B						FU
ATHN	23	0618	0623	0643	N08	H11	.190	16298	22.4	25	-B	3 C		143			U F
TACH	23	0626E		06310	N05	H11	.193	16298	22.4	50	1N	C	0626	398	4.1		B
19 ATHN	23	0830	0832	0849	N07	H13	.223	16298	22.4	19	-B	3 C		95			DE ZX
20 KHAR	23	0910E		09280	N06	H14	.241	16298	22.3	180	-F	P	0913	130	1.5		ET ZX
21 KHAR	23	1002E		10190	N04	H14	.246	16298	22.4	170	-F	P	1005	150	1.6		ET ZX
GRP78022	23	1022+1	1025+0	1035	N05	H14	.243	16298	22.4	13	-N						E
KHAR	23	1022E	1025	10350	N04	H15	.263	16298	22.3	130	-N	P	1025	150	1.6		ET
ATHN	23	1023	1025	1035	N07	H14	.240	16298	22.4	12	-B	3 C		64			DE
23 KHAR	23	1050E	1053	11180	N04	H14	.246	16298	22.4	280	-N	P	1053	150	1.6		ET ZX
24 KHAR	23	1109E		11240	S13	E08	.367	16305	24.1	150	-N	P	1115	120	1.3		E ZX
		23 1124	1130	NO FLARE PATFOL													
25 KHAR	23	1130E		11330	N11	E85	.994	16325	29.9	30	-F	P					D ZX

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MAGNITUDE			FLARE REGION	CMP. DAY	COND.	TYPE	TIME UT		MEAS. AREA Mill. of Disk	CORR. AREA Sq. Deg.
					LAT.	MER. DIST.												
GRP78026	23	1157E		1215	N04	W1E	.263	16298	22.4	18	-N						E	
KHAR	23	1157E		1216D	N04	W1E	.279	16298	22.3	190	-N	P	1157	120	1.3		ET	
HUAN	23	1205E		1214	N05	W1E	.260	16298	22.4	90	-N	1 P	1206	40	.4		E	
	23	1236	1327	NO FLARE PATROL														
27 HOLL	23	1402	1412	1433	S16	E27	.578	16314	25.6	31	-F	3 C		29			ZX	
GRP78028	23	1623+8	1633+6	1648	S12	E04	.333	16305	24.0	25	-B						EZ	
BIGB	23	1623	1633	1647	S12	E05	.337	16305	24.1	24	-B	1 C	1633	160	1.7		EZ	
HOLL	23	1630	1639	1648	S12	E04	.333	16305	24.0	18	18	3 C		294			ZOE	
HUAN	23	1631		1645D	S13	E04	.349	16305	24.0	140	-N	2 P	1633	60	.6		E	
GRP78029	23	1639+2	1646+1	1658D	N07	W17	.290	16298	22.4	19	-N			45	.5			
BIGB	23	1639	1646	1728	N08	W18	.307	16298	22.3	49	-N	2 C	1646	40	.4			
HOLL	23	1641	1647	1658	N06	W17	.291	16298	22.4	17	-N	3 C		52				
30 BIGB	23	1648	1649	1702	N21	W17	.368	16307	22.4	14	-N	2 C	1649	40	.4		ZX	
31 HOLL	23	1748	1748	1804	N21	W17	.368	16307	22.5	16	-F	3 C		34			ZX	
32 PALE	23	1755	1755	1758	N18	E74	.955	16325	29.3	3	-F	3 C		14			F ZX	
33 HOLL	23	1946	2001	2032	S14	E23	.516	16314	25.5	46	-F	3 C		28			F ZX	
34 BIGB	23	2041	2048	2135	N08	W18	.307	16298	22.5	54	-F	2 C	2048	40	.4		ZX	
35 HOLL	23	2051	2054	2059	S13	E22	.495	16314	25.5	8	-F	3 C		22			ZX	
36 CULG	23	2159	2202	2206	N08	E38	.611	16320	26.8	7	-F		C 2202	40	.5		ZX	
GRP78037	23	2223+8	2246+6	2309	N08	W21	.356	16298	22.4	46	-N			110	1.2		FU	
CULG	23	2223	2252	2317	N08	W23	.388	16298	22.2	54	-N		C 2252	130	1.4			
HOLL	23	2231	2246	2311	N08	W22	.372	16298	22.3	40	-B	3 C		123			U F	
BIGB	23	2241	2248	2307	N08	W21	.356	16298	22.4	26	-N	3 C	2248	50	.6			
PALE	23	2241	2251	2306	N06	W21	.357	16298	22.4	25	-N	3 C		109			U F	
38 HOLL	23	2239	2244	2256	N13	W48	.738	16319	20.3	17	-F	3 C		17			ZX	
39 CULG	23	2345	2406	0117U	N30	E10	.420	16310	24.7	920	-F		C 2406	120	1.3		SF ZX	
GRP78040	24	0052	0157	0218	N06	W22	.373	16298	22.4	86	-N						K	
CULG	24	0052	0157	0226	N08	W24	.404	16298	22.2	94	1N		C 0157	300	3.3		K	
PALE	24	0131E	0131U	0210	N05	W20	.342	16298	22.6	390	-F	3 C		62			DE	
41 CULG	24	0135	0142	0247	S15	W02	.376	16305	23.9	72	1B		C 0142	350	3.8		U ZX	
42 CULG	24	0147	0155	0204	N15	W50	.762	16319	20.3	17	-F		C 0155	70	1.1		ZX	
43 CULG	24	0151	0152	0215	N27	W45	.733		20.7	24	-F		C 0152	50	.7		G ZX	
44 CULG	24	0245	0256	0340	N27	E07	.360	16310	24.6	55	-F		C 0256	140	1.5		F ZX	
45 CULG	24	0332	0341	0359	N07	W25	.420	16298	22.3	27	-F		C 0341	140	1.5		ZX	
GRP78046	24	0506	0509+1	0548	N06	W24	.405	16298	22.4	42	1B			370	4.1		L	
CULG	24	0506	0510	0554	N07	W25	.420	16298	22.3	48	1B		C 0510	430	4.7		L	
TACH	24	0507E	0509	0542	N05	W24	.406	16298	22.4	350	1B		C 0509	318	3.6		C	
47 CULG	24	0530	0535	0606	S29	E55	.899	16322	28.4	36	-N		C 0535	60	1.4		ZX	
48 CULG	24	0615	0619	0626	S18	F02	.424	16305	24.4	11	-F		C 0615	50	.5		ZX	
49 CULG	24	0656	0658	0709	N12	W18	.316	16298	22.9	13	-N		C 0658	120	1.3		H ZX	
50 ATHN	24	0822	0825	0844	N21	W39	.645		21.4	22	-B	1	0825	131	1.6		ZX	
51 TELV	24	0956	0958	10220	N10	W25	.421	16298	22.5	260	-B	3		8			ZX	
52 TELV	24	1009	1010	1016	N07	W35	.570	16298	21.8	7	-F	3		8	.1		ZX	
53 ATHN	24	1016	1020	1038	N18	E29	.505		26.6	22	-B	1	1020	147	1.7		ZX	
54 TELV	24	1051	1052	1107	N09	W30	.496	16298	22.2	16	-N	3		13	.2		ZX	
55 TELV	24	1120	1121	1216	N08	E28	.466	16320	26.6	56	-F	3		12	.1		ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS COND TYPE	MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY				TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq Deg.			
					LAT.	MER. DIST.												
56 TELV	24	1203	1204	12040	S18	H10	.452	16305	23.8	10	-N	3			5		K	ZX
57 TELV	24	1213	1214	1224	S18	H10	.452	16305	23.8	11	-N	3			20	.2		ZX
58 TELV	24	1214	1215	1218	N08	H30	.496	16298	22.3	4	-B	3			20	.2		ZX
59 TELV	24	1217	1219	12190	N09	E26	.436	16320	26.5	20	-N	3			40	.4	U	ZX
60 HUAN	24	1254		1300	N06	H31	.512	16298	22.2	6	-F	1	C				D	ZX
GRP78061	24	1406+5	1413+0	1436	N13	H57	.832	16319	20.3	30	-N				100	1.8		
HOLL	24	1406	1413	1451	N13	H57	.832	16319	20.3	45	-N	2	C		109		F	
RAMY	24	1410	1413	1436	N12	H57	.832	16319	20.3	26	-N	3	C		90		E	
HUAN	24	1411		1423	N13	H58	.842	16319	20.2	12	-F	1	C					
62 HUAN	24	1447	1451	1454	N18	E36	.598	16315	27.3	7	-F	1	C	1451	20	.2	D	ZX
63 HOLL	24	1454	1515	1527	N13	H58	.842	16319	20.3	33	-F	3	C		33			ZX
64 HOLL	24	1545	1548	1556	S24	E50	.846	16322	28.4	11	-F	3	C		24			ZX
65 RAMY	24	1617	1619	1625	N06	H30	.497	16298	22.4	8	-F	3	C		23			ZX
66 HUAN	24	1637		1639	N19	E33	.563	16315	27.2	2	-F	1	C				D	ZX
67 HUAN	24	1659		1705	N19	E32	.549	16315	27.1	6	-F	1	C					ZX
GRP78068	24	1743+2	1750+3	1813	N06	H32	.527	16298	22.3	30	-N				90	1.1	FU	
PALE	24	1743	1750U	18140	N05	H30	.498	16298	22.5	31D	-N	3	C		107		F	
HOLL	24	1744	1750	1812	N06	H32	.527	16298	22.3	28	-B	3	C		65		U	F
HUAN	24	1744	1753	1805	N06	H34	.556	16298	22.2	21	-N	*	C	1753	25	.3	D	
RAMY	24	1745	1750	1813	N07	H33	.541	16298	22.3	28	-B	3	C		110		F	
69 HUAN	24	1744		1749	N19	E65	.900	16325	29.6	5	-F	1	C	1746	20	.4	D	ZX
70 PALE	24	1750	1800U	1803	N13	H59	.851	16319	20.3	13	-F	3	C		31		F	ZX
71 RAMY	24	1853	1854	19010	N06	H31	.512	16298	22.5	80	-F	3	C		26			ZX
		24	1909	1910	NO FLARE PATROL													
72 HOLL	24	2036	2038	2042	N22	H31	.551	16307	22.5	6	-F	3	C		42			ZX
73 HOLL	24	2038	2052	2058	S20	E67	.946	16324	29.9	20	-F	3	C		16			ZX
74 CULG	24	2109	2113	2127	S16	H85	.999	16295	18.5	18	?N		C	2113	60			ZX
		IMP.1	NO	HOLL PALE														
75 CULG	24	2132	2142	2149	S27	H85	1.000		18.5	17	-F		C	2142	20			ZX
76 CULG	24	2139	2147	2206	S15	E0E	.387	16314	25.4	27	-F		C	2147	40	.4		ZX
77 HOLL	24	2149	2150	2202	N17	E62	.877	16325	29.6	13	-F	3	C		19			ZX
78 HOLL	24	2310	2351	0011	N07	H36	.584	16298	22.3	61	-F	3	C		46			ZX
79 HOLL	25	0013	0024	00330	N01	H32	.537	16298	22.6	200	-N	2	C		52			ZX
80 MANI	25	0328E	0329	0345D	N20	E34	.520	16315	27.7	170	-N	3	C		80			ZX
GRP78081	25	0615E	0620	0635	N25	E90	.999	16329	1.0	20	1N							
CATA	25	0615E	0620	06300	N25	E90	.999	16329	2.0	150	1N	2	P	0620	112			
HTPR	25	0626E		0635	N25	E90	.999	16329	2.0	90	-F		C	0628	40			
GRP78082	25	0818+7	0823+7	0855	N22	H39	.649	16307	22.4	37	-B				130	1.7	E	
KHAR	25	0818E	0825	09060	N22	H39	.649	16307	22.4	480	-N		P	0825	110	1.5		
HTPR	25	0819	0823	0850	N22	H38	.637	16307	22.5	31	-B		C	0823	130	1.6	E	
ATHN	25	0822	0825	0844	N21	H39	.646	16307	22.4	22	-B	2	C		127		DE	
PURP	25	0823	0830	0859	N21	H40	.658	16307	22.3	36	18		C					
CATA	25	0825	0830	08300	N22	H38	.637	16307	22.5	50	18	2	P	0830	168	2.2		
83 KHAR	25	0843E	0846	09000	N06	H43	.678	16298	22.1	170	-F		P					ZX
84 KHAR	25	0906E	0910	09360	N21	E27	.495	16315	27.4	300	-F		P				E	ZX
85 TELV	25	0928	0929	0939	N04	H45	.706	16298	22.0	11	-N	3			8	.1		ZX

H α SOLAR FLARES

SEPTEMBER 1979

63
Sep 79

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS.		MEASUREMENTS			REMARKS			
	DATE	START	MAX. PHASE	END	APPROX.		CENTRAL DISTANCE	MATH PLAGE REGION			CMP. DAY	COND.	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR. AREA Sq. Deg.		
					LAT.	MER. DIST.													
86 HTPR	25	0930	0933	0945	N22	W38	.637	16307	22.5	15	-F	C	0933	20	.3	E	ZX		
GRP78087	25	1009+7	1013+7	1038	N20	E28	.592	16315	27.5	29	1B			180	2.1	E			
HTPR	25	1009	1015	1030	N21	E28	.507	16315	27.5	21	-B	C	1015	180	2.0	E			
KHAR	25	1010E	1013	1057D	N20	E27	.488	16315	27.4	47D	1N	P	1017	330	3.9	E			
ATHN	25	1016	1020	1038	N18	E29	.505	16315	27.6	22	-B	2 C		143		F			
GRP78088	25	1051	1052	1101	N03	W48	.743	16298	21.9	10	-N						D		
TELV	25	1051	1052	1101	N03	W47	.731	16298	21.9	10	-N	3		6			D		
KHAR	25	1053E	1053	1057D	N03	W49	.754	16298	21.8	4D	-F	P					D		
GRP78089	25	1051	1055	1147	N22	W40	.661	16307	22.5	56	-F						EK		
			1119+3																
HTPR	25	1051	1055	1110	N22	W39	.649	16307	22.5	19	-F	C	1055	60	.8	EK			
KHAR	25	1057E	1122	1152D	N22	W41	.673	16307	22.4	55D	-F	P				E			
HTPR	25	1115	1119	1130	N22	W39	.644	16307	22.5	15	-F	C	1119	50	.7	E			
RAMY	25	1143E	1143U	1147D	N21	W40	.658	16307	22.5	40	-F	2 C		117					
GRP78090	25	1106	1113	1205	N15	E56	.823	16325	29.7	59	1N						EKU		
			1122																
HTPR	25	1106	1113	1200	N13	E55	.813	16325	29.6	54	1B	C	1113	220	3.8	EKU			
KHAR	25	1107E	1122	1210D	N15	E57	.833	16325	29.7	63D	2N	P	1122	385	7.5	E			
RAMY	25	1143E	1143U	1147D	N18	E56	.825	16325	29.7	4D	-N	2 C		142		F			
91 HTPR	25	1204	1206	1212	N22	W39	.649	16307	22.6	8	-F	C	1206	10	.1		ZX		
92 TELV	25	1209	1209	1213	N01	W49	.757	16298	21.8	4	-N	3		6	.1		ZX		
93 HTPR	25	1228E	1234	1244	N22	W38	.637	16307	22.7	16D	-F	C	1234	40	.5		ZX		
GRP78094	25	1238+1	1240+1	1251	N03	W46	.719	16298	22.1	13	-F			25	.4				
HTPR	25	1238	1241	1249	N05	W47	.729	16298	22.0	11	-F	C	1241	30	.4				
TELV	25	1239	1240	1253	N02	W46	.721	16298	22.1	14	-N	3		16	.2				
GRP78095	25	1250+9	1311+1	1334	N22	E90	.999	16329	1.3	44	-N						AEGK		
LVOV	25	1250	1311	1335	N22	E90	.999	16329	2.3	45	1F	* C	1311	100		GA			
HTPR	25	1309	1312	1332	N23	E90	.999	16329	2.3	23	-N	* C	1312	30		AEK			
96 HTPR	25	1251	1252	1256	N22	W38	.637	16307	22.7	5	-F	C	1252	40	.5	E	ZX		
97 RAMY	25	1338	1342	1350	N06	W42	.666	16298	22.4	12	-F	3 C		50			ZX		
98 HOLL	25	1406	1414	1417	N22	W42	.684	16307	22.4	11	-F	3 C		18			ZX		
99 HOLL	25	1509	1522	1537	N24	E47	.744	16330	29.2	28	-F	3 C		32			ZX		
GRP78100	25	1512+0	1513+0	1518	N21	E26	.482	16315	27.6	6	-F			20	.2	E			
HTPR	25	1512	1513	1516	N21	E26	.482	16315	27.6	4	-F	C	1513	20	.2	E			
HOLL	25	1512	1513	1519	N21	E26	.482	16315	27.6	7	-F	3 C		23					
101 HTPR	25	1604	1608	1616	N18	E51	.775	16325	29.5	12	-F	C	1608	20	.3		ZX		
102 BIGB	25	1811	1812	1835	N15	W50	.762	16307	22.0	24	-N	2 C	1812	90	1.4		ZX		
GRP78103	25	1925+1	1927+1	1947	N19	E50	.766	16325	29.6	22	-N			60	1.0	E			
HUAN	25	1925	1928	1938	N19	E50	.766	16325	29.6	13	-N	1 C	1928	35	.5	E			
HOLL	25	1925	1928	1956	N20	E49	.757	16325	29.5	31	-N	3 C		94					
BIGB	25	1926	1927	1935D	N18	E50	.765	16325	29.6	9D	-N	2 P	1927	40	.6				
GRP78104	25	1925+6	1931+0	1944	N19	E24	.442	16315	27.6	19	-F			50	.6	E			
HOLL	25	1925	1931	1946	N19	E21	.402	16315	27.4	21	-N	3 C		70					
BIGB	25	1929	1931	1935D	N20	E25	.462	16315	27.7	6D	-F	2 P	1931	40	.5				
HUAN	25	1931		1942	N19	E24	.442	16315	27.6	11	-F	1 C				E			
GRP78105	25	1955+9	1956+0	2007	N23	E87	.995	16329	1.4	12	-N			50		AE			
HUAN	25	1955	1956	2000	N23	E87	.995	16329	2.4	5	-N	1 C	1956	40		E			
BIGB	25	1955	1956	2007	N22	E86	.994	16329	2.3	12	-B	2 C	1956	70		A			
HOLL	25	2004	2009	2016	N23	E87	.995	16329	2.4	12	-F	3 C							
GRP78106	25	2034+3	2042+3	2108	N05	W52	.785	16298	22.0	34	1N			180	2.9	FHLU			
CULG	25	2034E	2043U	2116	N08	W52	.783	16298	22.0	42D	2N	P	2043	460	6.9	HL			
BIGB	25	2036	2043	2109	N05	W53	.796	16298	21.9	33	-B	2 C	2043	140	2.4				
HOLL	25	2036	2042	2107	N05	W52	.785	16298	22.0	31	1B	3 C		228			U F		
HOLL	25	2036	2038	2040D	N06	W45	.783	16298	22.5	4D	-B	3 C		148			U F		
HUAN	25	2037	2045	2054	N04	W52	.786	16298	22.0	17	-N	1 C	2045	45	.7				
107 HOLL	25	2037	2043	2100	N14	W74	.956	16319	20.3	23	-N	3 C		53			ZX		

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR-TANCE	OBS.		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
108 BIGB	25	2122	2124	2129	N22	E88	.997	16329	2.5	7	-N	2	C	2124	20		ZX
GRP78109	25	2128+2	2134+3	2147	N19	E48	.745	16325	29.5	19	-N				80	1.2	
CULG	25	2128	2137U	2143	N18	E48	.743	16325	29.5	15	-F		C	2137	120	1.8	
HOLL	25	2129	2134	2152	N21	E47	.737	16325	29.4	23	-B	3	C		75		
BIGB	25	2130	2137	2147	N19	E48	.745	16325	29.5	17	-N	2	C	2137	40	.6	
110 CULG	25	2246	2250	2306	S42	W15	.776	16306	24.8	20	-F		C	2250	70	1.1	L ZX
GRP78111	25	2355+9	0005+0	0028	S21	E54	.865	16324	30.0	33	-F						F
BIGB	26	0004	0005	0028	S22	E56	.883	16324	30.2	24	-F	2	C	0005	20	.4	
CULG	25	2355	2405	0028	S21	E52	.850	16324	29.9	33	-N		C	2405	80	1.6	F
112 CULG	26	0000	0042	0120	S27	W35	.743	16306	23.4	80	?F	*	C	0042	250	3.8	F ZX
		IMP.1	NO 1	BIGB	YUNN	PURP											
GRP78113	26	0000+3	0005+1	0025	N14	E50	.761	16325	29.7	25	-F				70	1.1	L
CULG	26	0000	0005	0026	N14	E48	.739	16325	29.6	26	-F		C	0005	80	1.2	
VORO	26	0002	0005	0017	N15	E50	.762	16325	29.8	15	-F		C	0005	90	1.3	DL
BIGB	26	0003	0006	0024	N14	E51	.772	16325	29.8	21	-F	2	C	0006	50	.8	
PALE	26	0015E	0015U	00350	N17	E52	.785	16325	29.9	200	-F	2	C		20		F
114 CULG	26	0018	0018	0024	N14	E35	.575	16318	28.6	6	-F		C	0018	40	.5	ZX
GRP78115	26	0211+1	0213+2	0223	N05	W53	.796	16298	22.1	12	-F						
CULG	26	0211	0215	0223	N06	W54	.805	16298	22.0	12	-N		C	0215	80	1.4	
PALE	26	0212	0213	0222	N04	W52	.786	16298	22.2	10	-F	2	C		20		DE
116 CULG	26	0318	0324	0329	N19	E49	.756	16325	29.8	11	-F		C	0324	60	.9	L ZX
117 CULG	26	0402	0405	0414	N05	W56	.826	16298	22.0	12	-F		C	0405	40	.7	ZX
118 CULG	26	0415	0417	0425	S23	E51	.849	16324	30.0	10	-F		C	0417	90	1.8	ZX
119 CULG	26	0450	0454	0458	N29	W18	.467	16310	24.9	8	-F		C	0454	70	.8	ZX
120 CULG	26	0509	0511	0522	N14	E46	.716	16325	29.7	13	-F		C	0511	60	.9	ZX
121 CULG	26	0513	0514	0517	S25	E51	.857	16324	30.0	4	-F		C	0514	50	1.0	ZX
122 CULG	26	0541	0544	0549	N16	E46	.718	16325	29.7	8	-F		C	0544	80	1.2	L ZX
123 TACH	26	0604	0608	0614	N05	W55	.816	16298	22.1	10	?F		C	0608	220	3.9	EL ZX
		IMP.1	NO 1	PURP	CULG	HTPR											
GRP78124	26	0651+9	0657	0725	S23	E50	.842	16324	30.0	34	-F						EK
			0712														
HTPR	26	0651	0657	0716	S23	E49	.834	16324	30.0	25	-F		C	0657	10	.2	
TACH	26	0701	0712	0725	S23	E52	.857	16324	30.2	24	1F		C	0712	176	3.6	E
ISTA	26	0716E		0751	S21	E50	.834	16324	30.1	350	-N		V				K
GRP78125	26	0704+2	0706+1	0712	N16	E12	.256	16315	27.2	8	-F						D
TACH	26	0704	0706	0714	N17	E12	.266	16315	27.2	10	-F		C	0706	63	.6	D
HTPR	26	0706	0707	0709	N16	E12	.256	16315	27.2	3	-F		C	0707	10	.1	
126 ISTA	26	0716E	0725	0736	N16	E17	.325	16315	27.6	200	-N		V				D ZX
127 ISTA	26	0728		0743	N16	E45	.706	16325	29.7	15	-F		V				DK ZX
GRP78128	26	0759+3	0802+4	0821	N15	E1E	.303	16315	27.5	22	-F						D
HTPR	26	0759	0802	0820	N15	E1E	.303	16315	27.5	21	-F		C	0802	20	.2	
ISTA	26	0802	0806	0821	N16	E17	.325	16315	27.6	19	-N		V				D
GRP78129	26	0843		0857	S12	W14	.399	16314	25.3	14	-N						E
ISTA	26	0843		0849	S11	W14	.386	16314	25.3	6	-N		V				E
TELV	26	0848E		0905	S14	W14	.425	16314	25.3	170	-B	2	P				
GRP78130	26	0846+1	0850+1	0915	N11	E07	.140	16320	26.9	29	1N						I
			0905														
ISTA	26	0846	0850	0908	N12	E09	.177	16320	27.0	22	1B		V				F
HTPR	26	0847	0851	0915	N10	E06	.116	16320	26.8	28	-N		C	0851	60	.6	EI
CATA	26	0855E	0905	09250	N11	E07	.140	16320	26.9	300	1N	1	P	0905	196	2.0	
GRP78131	26	0918+3	0920+2	09350	N27	W20	.464	16310	24.9	17	-F				25	.3	E
TELV	26	0918E	0920	1035	N27	W20	.464	16310	24.9	770	-F	2	P		20	.2	
HTPR	26	0921	0922	0935	N28	W20	.474	16310	24.9	14	-F		C	0922	30	.3	E

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCMAH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
132 HTPR	26	1017	1018	1022	S13	W17	.440	16314	25.2	5	-F	C	1018	20	.2	E	ZX
133 HTPR	26	1040	1048	1109	N15	E15	.289	16315	27.6	29	-F	C	1048	20	.2	E	ZX
GRP78134	26	1108+7	1109	1143	N25	W24	.488	16310	24.7	35	-B						EW
TELV	26	1108E		11510	N25	W26	.511	16310	24.5	430	-N	2 P					
HTPR	26	1108	1109	1135	N25	W22	.465	16310	24.8	27	-B	C	1109	80	.9	E	
TELV	26	1108E		11510	N25	W23	.477	16310	24.7	430	-N	2 P					
TELV	26	1109		11510	N23	W30	.545	16310	24.2	420	-B	2 P					H
CATA	26	1115	1120	11200	N25	W24	.488	16310	24.7	50	-B	1 P	1120	112	1.3		
135 HTPR	26	1148	1152	1210	N04	W55	.817	16298	22.4	22	-F	C	1152	30	.5	E	ZX
	26	1242	1246	NO FLARE PATROL													
GRP78136	26	1245+2	1255+9	1355	S19	E44	.772	16324	29.8	70	-N			120	1.9		K
			1324														
RAMY	26	1245	1259	1402	S25	E45	.811	16324	29.9	77	-N	3 C		130			
HTPR	26	1247	1255	1400	S20	E44	.777	16324	29.8	73	-N	C	1255	80	1.0	EK	
LVOV	26	1302	1304	1313	S17	E42	.742	16324	29.7	11	1N	C	1304	150	3.8	D	
HOLL	26	1322E	1324U	1349	S19	E47	.799	16324	30.1	270	-N	2 C		60			
137 HTPR	26	1316	1316	1319	N16	E09	.219	16315	27.2	3	-F	C	1316	20	.2		ZX
138 HTPR	26	1336	1337	1340	N16	E09	.219	16315	27.2	4	-N	C	1337	30	.3		ZX
GRP78139	26	1346+0	1347+0	1351	N16	E08	.208	16315	27.2	5	-N			35	.4		D
HTPR	26	1346	1347	1353	N16	E09	.219	16315	27.2	7	-N	C	1347	50	.5		
HUAN	26	1346	1347	1349	N17	E08	.221	16315	27.2	3	-N	2 C	1347	15	.2		D
GRP78140	26	1547+0	1548+0	1553	N06	W57	.835	16298	22.4	6	-N			30	.6		
HOLL	26	1547	1548	1554	N06	W56	.825	16298	22.5	7	-N	3 C		24			
BIGB	26	1547	1548	1552	N06	W58	.844	16298	22.3	5	-N	2 C	1548	40	.8		
141 HTPR	26	1618	1621	1625	S27	E90	1.002		3.4	7	-F	C	1621	20		A	ZX
GRP78142	26	1635+1	1636+2	1646	N19	W57	.835	16307	22.4	11	-F			20	.4		
BIGB	26	1635	1638	1646	N19	W58	.844	16307	22.3	11	-N	2 C	1638	20	.4		
RAMY	26	1636	1636	1645	N19	W56	.826	16307	22.5	9	-F	3 C		16			
GRP78143	26	1855+2	1858+1	1916	N23	E72	.944	16329	1.2	21	-F			30			
BIGB	26	1855	1858	1917	N23	E73	.949	16329	2.3	22	-N	2 C	1858	30			
HOLL	26	1856	1859	1916	N24	E71	.939	16329	2.1	20	-F	3 C		29			
PALE	26	1857	1858	1905	N23	E72	.944	16329	2.2	8	-F	3 C		17			
GRP78144	26	1901+1	1903+1	1908	N16	E05	.179	16315	27.2	7	-N			25	.3		D
HUAN	26	1901	1904	1908	N16	E05	.179	16315	27.2	7	-N	1 C	1904	20	.2		D
BIGB	26	1902	1903	1907	N16	E06	.187	16315	27.2	5	-N	2 C	1903	30	.3		
145 BIGB	26	1936	1942	1954	N06	W58	.844	16298	22.5	18	-N	2 C	1942	40	.8		ZX
146 HUAN	26	2012	2013	2014	N16	E05	.179	16315	27.2	2	-F	1 C					D ZX
GRP78147	26	2014+0	2014+2	2031	N28	W26	.536	16310	24.9	17	-F			25	.3		F
BIGB	26	2014	2018	2036	N29	W26	.544	16310	24.9	22	-N	2 C	2016	30	.3		
HOLL	26	2014	2014	2025	N28	W26	.536	16310	24.9	11	-F	3 C		23			F
148 HUAN	26	2019		2026	N16	E05	.179	16315	27.2	7	-F	1 C					D ZX
149 BIGB	26	2020	2021	2029	N17	W15	.305	16313	25.7	9	-N	2 C	2021	30	.3		ZX
GRP78150	26	2057+1	2105	22060	N03	W60	.865	16298	22.4	69	1N						FILUY
			2115+5														
HOLL	26	2057	2105	2256	N01	W57	.840	16298	22.6	119	1N	3 C		268			U U
CULG	26	2058E	2115	22050	N04	W63	.889	16298	22.1	670	2N	P	2115	540	11.0		UYLI
BIGB	26	2058	2117	22010	N05	W62	.880	16298	22.2	630	1B	2 P	2117	120	2.6		
PALE	26	2103E	2120	2206	N03	W58	.847	16298	22.5	630	1N	3 C		199			U F
151 PALE	26	2125	2127	2136	S21	E41	.755	16324	30.0	11	-F	3 C		34			DE ZX
GRP78152	26	2304+0	2305+0	2325	N20	E06	.247	16315	27.4	21	-N			80	.8		EK
CULG	26	2304	2305	23120	N21	E07	.269	16315	27.5	80	-N	P	2305	70	.7		
VORO	26	2304	2305	2325	N20	E06	.247	16315	27.4	21	-N	C	2305	99	1.0		EK
153 HOLL	26	2323	2325	2334	S21	E42	.764	16324	30.1	11	-F	3 C		38			ZX
154 HOLL	26	2343	2345	2358	S24	E21	.603	16322	28.6	15	-F	3 C		43			ZX

H α SOLAR FLARES
SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	McMATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill. of Disk	CORR AREA Sq. Deg.	
					LAT.	MER. DIST.											
GRP78155	27	0213+5	0220+5	0252	N06	W65	.903	16298	22.2	39	-F			70	1.7	F	
CULG	27	0213	0225	0254	N06	W65	.903	16298	22.2	41	-N	C	0225	110		F	
PALE	27	0218	0221	0252	N06	W64	.895	16298	22.3	34	-N	3 C		53		F	
VORO	27	0218	0220	02220	N06	W67	.917	16298	22.1	40	1F	C	0220	90		E	
MANI	27	0224E	0224U	0235	N06	W66	.910	16298	22.2	11D	-F	3 C		25			
156 CULG	27	0257	0310	0319	S26	E17	.599	16322	28.4	22	-F	C	0310	130	1.6	ZX	
157 PALE	27	0303	0313	0317D	N21	E20	.406	16318	28.6	14D	-F	3 C		33		F ZX	
158 CULG	27	0306	0312U	0325	N20	E05	.241	16315	27.5	19	-F	C	0312	60	.6	ZX	
GRP78159	27	0652+0	0656+4	0732D	S23	E41	.766	16324	30.4	40	-F					J	
ABST	27	0652	0700	0732	S22	E42	.769	16324	30.4	40	-F	C	0700	87	1.4	DJ	
HTPR	27	0652	0656	0830	S24	E40	.763	16324	30.3	98	-F	C	0656	20	.3	E	
160 ABST	27	0702	0704	0710	N05	W66	.911	16298	22.3	8	?N	C	0704	87		DJ ZX	
		IMP.1	NO	PURP	HTPR	CATA	MONT										
GRP78161	27	0712+8	0722+3	0746	S27	E90	1.001	16334	3.0	34	1N			160		AD	
HTPR	27	0712	0723	0750	S30	E90	1.002	16334	4.1	38	1N	C	0723	120		A	
MONT	27	0715	0722	0742	S28	E90	1.002	16334	4.1	27	1N	C	0722	180			
ABST	27	0718	0723	0737	S27	E90	1.001	16334	4.1	19	2N	P	0723	175		AD	
CATA	27	0720	0725	0800	S27	E90	1.001	16334	4.1	40	2N	2 C	0725	168		A	
GRP78162	27	0731+3	0733+3	0739	N15	W70	.933	16298	22.1	8	-F			30		D	
TELV	27	0731	0733	0740	N15	W70	.933	16298	22.1	9	-N	3		27	.3		
HTPR	27	0733	0736	0738	N12	W67	.915	16298	22.3	5	-F	C	0736	30	.7		
ABST	27	0734	0736	0739	N15	W71	.939	16298	22.0	5	1F	C	0736	87		D	
163 ABST	27	0757	0759	0808	N05	W66	.911	16298	22.4	11	-F	C	0759	70		DJ ZX	
164 KHAR	27	1013E		1016D	S03	W30	.523		25.2	3D	-F	P				D ZX	
165 KHAR	27	1030E	1035	1037D	S02	E03	.163		27.7	7D	-F	P				D ZX	
GRP78166	27	1215+0	1217+0	1227	S12	W11	.372	16321	26.7	12	-F			25	.3		
RAMY	27	1215	1217	1227	S12	W12	.380	16321	26.6	12	-N	3 C		29			
HTPR	27	1215	1217	1226	S12	W11	.372	16321	26.7	11	-F	C	1217	20	.2		
167 RAMY	27	1235	1238	1254	S20	E31	.652	16324	29.8	19	-F	3 C		35		ZX	
GRP78168	27	1448+9	1502+2	1517	S13	W14	.411	16321	26.6	29	-F			35	.4		
RAMY	27	1448	1502	1524	S13	W14	.411	16321	26.6	36	-F	3 C		52			
HOLL	27	1501	1504	1510	S13	W14	.411	16321	26.6	9	-F	3 C		21			
169 HTPR	27	1505	1508	1525	N20	W01	.227	16315	27.6	20	-F	C	1508	20	.2	E ZX	
170 HTPR	27	1525	1532	1550	N16	E25	.440	16325	29.5	25	-F	C	1532	30	.3	E ZX	
171 BIGB	27	1531	1539	1602	N06	W75	.963	16298	22.0	31	-F	2 C	1539	50		ZX	
172 HTPR	27	1559	1604	1608	S27	E14	.595	16322	28.7	9	-F	C	1604	10	.1	ZX	
GRP78173	27	1705+2	1709	1725	N20	W02	.229	16315	27.6	20	-F					F	
			1718														
RAMY	27	1705	1718	1735	N20	W03	.232	16315	27.5	30	-N	3 C		47		F	
BIGB	27	1707	1709	1715	N21	W01	.244	16315	27.6	8	-F	2 C	1709	50	.5		
GRP78174	27	1726+4	1727	1736	N16	W06	.188	16315	27.3	10	-F					F	
BIGB	27	1726	1727	1731	N15	W07	.184	16315	27.2	5	-F	2 C	1727	30	.3		
HOLL	27	1730	1736	1741	N17	W05	.195	16315	27.4	11	-F	3 C		28		F	
GRP78175	27	1901+9	1909+0	1953	N21	W02	.246	16315	27.6	52	-N			90	.9		
			1915														
HOLL	27	1901	1909	2001	N23	W04	.285	16315	27.5	60	-N	3 C		138			
RAMY	27	1908	1909	2001	N20	W03	.232	16315	27.6	53	-B	3 C		91		FOE	
BIGB	27	1908	1909	1941	N21	W02	.246	16315	27.6	33	-N	2 C	1909	60	.6		
PALE	27	1912	1915	1945	N22	W02	.263	16315	27.7	33	-F	3 C		106		F	
176 BIGB	27	1928	1929	1939	N14	W01	.125	16315	27.7	11	-F	2 C	1929	30	.3	ZX	
177 HOLL	27	2008	2023	2038	N17	E24	.431	16325	29.6	30	-F	3 C		36		ZX	
178 PALE	27	2017	2017	2023	N22	W03	.265	16315	27.6	6	-F	3 C		43		F ZX	
179 HOLL	27	2115	2130	2143	N17	E23	.417	16325	29.6	28	-F	3 C		25		ZX	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP. DAY	COND	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg.	
					LAT.	MER. DIST.												
GRP78180	27	2128+9	2144+1	2210	N21	W04	.252	16315	27.6	42	-N		100	1.0				
PALE	27	2128	2144	22200	N20	W04	.236	16315	27.6	520	-N	3	C	107				
CULG	27	2135	2144	2151	N22	W05	.273	16315	27.5	16	-F		C	2144	100	1.0		
BIGB	27	2142	2145	2200	N21	W03	.249	16315	27.7	18	-N	2	C	2145	50	.5		
HOLL	27	2143E	2144	2257	N23	W06	.294	16315	27.5	740	-B	3	C		134			
GRP78181	27	2239+8	2248+2	2258	S13	W17	.440	16321	26.7	19	-F			50	.6	EH		
CULG	27	2239	2248	2258	S12	W18	.439	16321	26.6	19	-F		C	2248	40	.4		
VORO	27	2247	2250	2257	S14	W17	.452	16321	26.7	10	-F		C	2250	72	.8		
GRP78182	27	2250+2	2253+4	2310	N19	E13	.301	16318	28.9	20	-F			140	1.5			
CULG	27	2250	2253U	2312D	N14	E14	.267	16318	29.0	220	-F	*	P	2253	170	1.7		
VORO	27	2252	2257	2308	N25	E12	.365	16318	28.9	16	-F		C	2257	108	1.1		
GRP78183	27	2301+2	2305+1	2312	N20	W06	.248	16315	27.5	11	-F			80	.8			
CULG	27	2301	2305	2312D	N20	W06	.248	16315	27.5	110	-F		P	2305	100	1.0		
PALE	27	2302	2306	2335	N21	W05	.257	16315	27.6	33	-F	2	C		59			
VORO	27	2303	2306	2310	N18	W06	.217	16315	27.5	7	-N		C	2306	81	.8		
GRP78184	27	2306+2	2309+3	2319	N22	E22	.439	16325	29.6	13	-F			100	1.1	EJ		
CULG	27	2306	2309	2312D	N21	E22	.431	16325	29.6	60	-F	*	P	2309	100	1.0		
VORO	27	2308	2310	2318	N22	E22	.435	16325	29.6	10	-F	*	C	2310	134	1.5		
HOLL	27	2308	2312	2320	N23	E22	.448	16325	29.6	12	-F	*	C		24			
GRP78185	27	2325+9	2356+8	0030D	S20	E26	.603	16324	29.9	65	-F			100	1.2	JU		
CULG	27	2325	2403	0106	S18	E25	.574	16324	29.9	101	1N		P	2403	208	2.4		
PALE	27	2344	2404	0020D	S21	E27	.622	16324	30.0	360	-F	2	C		30			
HOLL	27	2351E	2356	0022D	S21	E28	.632	16324	30.1	310	-N	2	C		96			
VORO	27	2354	2359	0030	S20	E26	.603	16324	29.9	36	-F		C	2359	108	1.3		
GRP78186	28	0007+1	0013+1	0023D	N26	W44	.720	16310	24.7	16	-F							
CULG	28	0007	0013U	0023D	N27	W45	.733	16310	24.6	160	1F		P	0013	190	2.9		
HOLL	28	0008	0014	0022D	N26	W44	.720	16310	24.7	140	-F	2	C		77			
GRP78187	28	0227+2	0230+1	0239	S18	W50	.822	16305	24.4	12	-F			60	1.0	DJ		
CULG	28	0227	0231	0241	S18	W51	.830	16305	24.3	14	-F		C	0231	70	1.3		
VORO	28	0229	0230	0237	S19	W50	.825	16305	24.4	8	-F		C	0230	63	1.1		
GRP78188	28	0757+1	0758	0811	N16	E03	.167	16318	28.6	14	-F							
HTPR	28	0757	0758	0812	N16	E04	.173	16318	28.6	15	-F		C	0758	20	.2		
ISTA	28	0758		0809	N17	E03	.183	16318	28.6	11	-F		V					
189 TELV	28	0825	0827	0836	N13	E00	.107	16318	28.4	11	-N	2		27	.3	H	ZX	
190 HTPR	28	0935	0937	0945	N13	E06	.148	16318	28.8	10	-F		C	0937	20	.2		ZX
191 TELV	28	1113	1113	1124	N11	W02	.080	16318	28.3	11	-N	3		6	.1	U	ZX	
GRP78192	28	1303+7	1316	1430	N17	W16	.319	16315	27.3	87	-F			30	.3	E		
			1346+5															
RAMY	28	1303	1346	1359	N17	W16	.319	16315	27.3	56	-N	3	C		61			
HTPR	28	1310	1316	1319	N18	W10	.255	16315	27.8	9	-F		C	1316	20	.2		
HTPR	28	1323	1328	1430	N16	W15	.297	16315	27.4	67	-F		C	1328	20	.2		
HOLL	28	1341	1350	1354	N17	W16	.319	16315	27.4	13	-F	3	C		28			
HTPR	28	1342	1351	1415D	N14	W08	.184	16315	28.0	330	-F	*	C	1351	20	.2		
HOLL	28	1357	1404	1434	N18	W16	.328	16315	27.4	37	-F	3	C		38			
193 HTPR	28	1346	1347	1405	S30	E85	1.000	16334	4.9	19	-F		C	1347	10			ZX
194 HOLL	28	1350	1351	1411	N15	W01	.143	16318	28.5	21	-F	*	C		25			ZX
195 HOLL	28	1421	1424	1437	N04	W79	.980	16298	22.7	16	-F	3	C					ZX
196 HTPR	28	1447	1451	1502	N24	E03	.299	16330	28.8	15	-F		C	1451	20	.2	E	ZX
197 HOLL	28	1520	1533	1552	S21	E20	.560	16324	30.1	32	-F	3	C		36			ZX
GRP78198	28	1846+0	1847+1	1912	N18	E13	.290	16325	29.8	26	-N			150	1.6	F		
RAMY	28	1846	1847	1912	N17	E13	.280	16325	29.8	26	-N	3	C		136			
HOLL	28	1846	1848	1912	N20	E13	.313	16325	29.8	26	-B	3	C		167			
PALE	28	1847E	1847U	1917	N18	E16	.492	16325	30.0	300	-N	3	C		134			F
199 HOLL	28	2006	2010	2021	N24	W18	.412	16315	27.5	15	-N	3	C		34			ZX
	28	2114	2156	NO FLARE PATROL														
200 HOLL	28	2157E	2157U	2222	N20	E08	.263	16325	29.5	250	-N	3	C		197			ZX

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MATH PLAGE REGION	CMP DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg		
					LAT.	MER. DIST.												
201 HOLL	28	2200	2203	2220	N19	W22	.416	16315	27.3	20	-N	3	C		28		F	ZX
	28	2226	2233	NO FLARE PATROL														
202 HOLL	28	2240	2245	2252	N02	H86	.997	16298	22.5	12	-F	3	C					ZX
GRP78203	28	2252+0	2256+2	2309	N17	E08	.222	16325	29.6	17	1N				200	2.1	EJ	
VORO	28	2252	2258	2309	N16	E09	.220	16325	29.6	17	-N		C	2258	188	1.9	EJ	
HOLL	28	2252	225E	2303D	N18	E08	.235	16325	29.6	110	1B	3	C		217		DE	
204 VORO	29	0036	0038	0044	S03	H90	1.000	16298	22.3	8	-F		C	0038	54		OGJ	ZX
	29	0250	0315	NO FLARE PATROL														
	29	0320	0500	NO FLARE PATROL														
205 ISTA	29	0640E		0700	N17	H24	.431	16315	27.5	200	?N		V				BD	ZX
	IMP.1 NO TACH ABST																	
GRP78206	29	0646+2	0649+1	0658	N19	E07	.241	16325	29.8	12	1N				270	2.8	EU	
ISTA	29	0646	0649	0703	N19	E07	.241	16325	29.8	17	1B		V				E	
ABST	29	0648	0650	0658	N17	E06	.284	16325	29.7	10	1F		C	0650	218	2.3	E	
TACH	29	0648	0650	0653	N20	E09	.430	16325	30.0	5	1N		C	0650	327	3.5	U	
207 ABST	29	0708	0711	0733	N17	H27	.474	16315	27.3	25	-F		C	0711	166	1.9	D	ZX
208 ISTA	29	0728		0845	N08	H90	1.000	16298	22.6	77	-F		V				AD	ZX
209 HTPR	29	0816	0818	0826	N14	H01	.126	16325	29.3	10	-F		C	0818	20	.2	E	ZX
210 HTPR	29	0940	0947	1006	N23	H90	.999	16307	22.7	26	-F		C	0947	30			ZX
211 HTPR	29	1026	1028	1031	N14	H02	.130	16325	29.3	5	-F		C	1028	20	.2	E	ZX
	29	1103	1110	NO FLARE PATROL														
	29	1204	1223	NO FLARE PATROL														
	29	1246	1319	NO FLARE PATROL														
	29	1423	1426	NO FLARE PATROL														
212 HOLL	29	1646	1648	1712	N17	H30	.515	16315	27.4	26	-F	3	C		60			ZX
GRP78213	29	1831+1	1837+0	1910	N15	H31	.522	16315	27.4	39	-F				50	.6	F	
HOLL	29	1831	1837	1910	N17	H31	.529	16315	27.4	39	-N	3	C		69			
PALE	29	1832	1837	1839D	N14	H31	.519	16315	27.4	7D	-F	2	C		35		F	
214 HOLL	29	1839	1858	1913	N14	E68	.921	16337	4.9	34	-F	3	C					ZX
	29	2019	2042	NO FLARE PATROL														
	29	2203	2211	NO FLARE PATROL														
215 CULG	29	2343E	2343U	2350D	N24	H33	.588	16315	27.5	70	-F		P	2343	90	1.1		ZX
216 CULG	29	2343E	2345U	2350D	N14	E60	.8E0	16337	4.5	70	-F	*	P	2345	40	.8		ZX
GRP78217	30	0017	0042+5	0226	N17	H34	.570	16315	27.5	129	-N				60	.7	J	
PURP	30	0017	0042	0226	N17	H34	.570	16315	27.5	129	1B		C					
CULG	30	0026E	0047U	0052D	N18	H35	.586	16315	27.4	260	-N		P	0047	80	1.0		
VORO	30	0033E	0045U	0045D	N16	H34	.5E7	16315	27.5	12D	-F		P	0035	72	.8	EJ	
MANI	30	0045E	0045U	0050D	N17	H33	.556	16315	27.6	50	-N	3	C		50		F	
218 VORO	30	0038	0039	0045D	S29	H90	1.002	16306	23.3	70	-F		C	0039	27		GJ	ZX
219 CULG	30	0510E	0515	0602U	N15	E57	.833	16337	4.5	52D	-N		P	0515	80	1.4	F	ZX
220 CULG	30	0510E	0516	0530	S24	H23	.617	16322	28.5	20D	-F	*	P	0516	80	1.0		ZX
221 CULG	30	0527	0529	0531D	S11	E50	.797		4.0	40	-N		P	0529	60	1.0		ZX
GRP78222	30	0614+2	0616	0701	N18	H37	.612	16315	27.5	47	2B				660	8.4	E	
			0622+0															
ATHN	30	0614	0616	0647	N18	H38	.625	16315	27.4	33	-B	3	C		48		DE	
TACH	30	0615	0622	0700	N18	H3E	.599	16315	27.6	45	2B		C	0622	794	10.4	E	
PURP	30	0616	0622	0657	N17	H37	.60E	16315	27.5	41	2B		P		528	7.1		
ISTA	30	0627E		0705	N20	H37	.619	16315	27.5	38D	3B		V				BF	
ABST	30	0632E	0632	0722	N17	H37	.609	16315	27.5	50D	1N		P	0632	306	3.9	E	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN	IMPORTANCE	OBS		MEASUREMENTS			REMARKS		
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MCNATH PLAGE REGION	CMP. DAY			COND	TYPE	TIME UT	MEAS. AREA Mill of Disk	CORR AREA Sq Deg			
					LAT.	MER. DIST.													
GRP78223	30	0627>9	0707	0718	N14	E54	.804	16337	3.3	51	?F						DKU		
ISTA	30	0627E		0725	N15	E54	.804	16337	4.3	58D	?N	V					BKU		
		IMP. 2 IMP. S																	
ABST	30	0704	0707	0711	N13	E55	.814	16337	4.4	7	-F	C	0707	79	1.4		D		
GRP78224	30	0732+0	0738+2	0745D	N12	H22	.380	16318	28.7	13	-F								
ISTA	30	0732	0738	0745	N13	H22	.383	16318	28.7	13	-F	V					E		
ABST	30	0732	0740	0828	N11	H22	.377	16318	28.7	56	-N	C	0740	87	1.0		F		
GRP78225	30	0735+8	0758+3	0845	N21	H35	.647	16315	27.4	70	-N						DJK		
ISTA	30	0735		0845D	N21	H41	.670	16315	27.2	70D	-F	V					DK		
ABST	30	0739	0758	0853D	N20	H39	.643	16315	27.4	74D	-F	P	0758	96	1.2		DJ		
PURP	30	0743	0801	0807	N22	H35	.602	16315	27.7	24	-B	C							
226	ISTA	30	0826	0830	0844	S23	H01	.497	16324	30.3	18	-N	V				D	ZX	
		30	0856	0903	NO FLARE PATROL														
227	CATA	30	1040	1045	1115D	S27	H90	1.001	16306	23.7	35D	1N	2	P	1045	112		ZX	
		30	1115	1135	NO FLARE PATROL														
228	RAMY	30	1135E	1139	1154	N16	H40	.646	16315	27.5	19D	-N	3	C		30		F	ZX
229	RAMY	30	1135E	1140U	1157D	S27	H8E	1.000	16306	24.0	22D	-N	3	C				ZX	
230	RAMY	30	1139	1143	1159	N15	H2E	.451	16318	28.5	20	-N	3	C		38		ZX	
231	RAMY	30	1149	1206	1311	N13	H12	.231	16325	29.6	82	-N	3	C		107		ZX	
232	RAMY	30	1251	1253	1302	S25	H04	.530	16324	30.2	11	-F	3	C		35		ZX	
233	RAMY	30	1433	1447	1500	N14	E73	.951	16336	6.1	27	-F	3	C				ZX	
GRP78234	30	1510	1511	1543	N21	H43	.694	16315	27.4	33	-N								
			1525																
HOLL	30	1510	1511	1543	N24	H44	.714	16315	27.3	33	-N	2	C		44				
HOLL	30	1511	1525	1537	N19	H42	.677	16315	27.5	26	-N	2	C		47				
GRP78235	30	1611+1	1613+1	1621	N18	H17	.342	16325	29.4	10	-N				50	.5		F	
HOLL	30	1611	1614	1620	N20	H18	.373	16325	29.3	9	-N	3	C		60			F	
RAMY	30	1612	1613	1621	N17	H17	.324	16325	29.4	9	-N	3	C		40				
236	HOLL	30	1620	1622	1630	S20	H06	.460	16324	30.2	10	-F	3	C		34		ZX	
237	HOLL	30	1804	1811	1818	N17	E50	.764	16337	4.5	14	-F	3	C		21		ZX	
238	HOLL	30	1810	1811	1820	S24	E39	.754		3.7	10	-N	3	C		30		ZX	
GRP78239	30	1837+2	1840+0	1858	N19	H46	.723	16315	27.3	21	-N								
HOLL	30	1837	1840	1855	N22	H47	.740	16315	27.3	18	-N	3	C		82			F	
HUAN	30	1837		1852	N18	H45	.710	16315	27.4	15	-F	1	C					E	
BIGB	30	1839	1840	1900	N21	H48	.749	16315	27.2	21	-N	2	C	1840	30	.5		FDE	
PALE	30	1856E	1904	1907	N18	H46	.721	16315	27.3	11D	-F	3	C		46				
240	HOLL	30	1916	1918	1924	N17	E49	.753	16337	4.5	8	-F	3	C		27		ZX	
241	PALE	30	2008E	2009U	2011	S13	H59	.882	16321	26.4	30	-F	3	C		29		F	ZX
242	CULG	30	2115	213E	2207D	N18	H45	.710	16315	27.5	52D	-N	P	2136	70	1.0		KF	ZX
GRP78243	30	2212>9	2220	2249	S24	H30	.675	16322	28.7	37	-F								
			2233																
HOLL	30	2212	2220	2302	S21	H31	.659	16322	28.6	50	-F	2	C		27				
PALE	30	2227	2233	2236	S27	H29	.694	16322	28.8	9	-F	3	C		26			DE	
244	PALE	30	2224E	2226	2232	N16	E71	.939	16336	6.3	8D	-F	3	C		27		DE	ZX
245	CULG	30	2250	2317	2340	N14	H71	.940	16313	25.6	50	-N	C	2317	130			K	ZX
GRP78246	30	2335+0	2337+0	2347D	N17	H35	.583	16318	28.4	12	-N				160	2.0		EJ	
CULG	30	2335	2337	0030	N19	H35	.590	16318	28.4	55	1N	C	2337	210	2.6				
VORO	30	2335	2337	2347	N15	H35	.578	16318	28.4	12	-N	C	2337	108	1.3			EJ	
GRP78247	30	2336+0	2337+2	2345	N23	H40	.666	16315	28.0	9	-N				45	.6		F	
CULG	30	2336	2337	2345	N23	H40	.666	16315	28.0	9	-F	C	2337	50	.7				
HOLL	30	2336	2339	2341D	N24	H41	.681	16315	27.9	5D	-B	2	C		36			F	

H α SOLAR FLARES

SEPTEMBER 1979

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IMPORTANCE	OBS		MEASUREMENTS			REMARKS	
	DATE	START	MAX. PHASE	END	APPROX		CENTRAL DISTANCE	MC MATH PLAGE REGION			CMP DAY	COND	TYPE	TIME UT	MEAS. AREA Mill of Disk		CORR AREA Sq Deg
					LAT.	MER DIST.											

"REMARKS":

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>A = Eruptive prominence whose base is less than 90° from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by high-speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.
 N = Continuous spectrum shows effects of polarization.</p> | <p>O = Observations have been made in the H and K lines of CaII.
 P = Flare shows helium D3 in emission.
 Q = Flare shows Balmer continuum in emission.
 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
 S = Brightness follows disappearance of filament in same position.
 T = Region active all day.
 U = Two bright branches, parallel or converging.
 V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H-alpha line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

DAILY FLARE INDICES

Includes all Flares

SEPTEMBER 1979

Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.	Date	Flare Index	HR. OBS.
790901.	69.26	24.0	790911.	279.26	23.8	790921.	307.65	23.2
790902.	92.10	24.0	790912.	77.56	23.9	790922.	184.70	23.9
790903.	151.00	24.0	790913.	102.67	23.2	790923.	162.46	23.1
790904.	84.58	23.4	790914.	410.10	24.0	790924.	238.24	24.0
790905.	75.74	24.0	790915.	248.00	23.7	790925.	113.22	24.0
790906.	93.09	23.8	790916.	217.88	23.9	790926.	141.34	23.9
790907.	251.97	24.0	790917.	36.42	23.2	790927.	126.38	24.0
790908.	143.93	24.0	790918.	67.20	23.8	790928.	92.27	23.2
790909.	71.90	24.0	790919.	1149.57	24.0	790929.	71.67	20.4
790910.	136.76	24.0	790920.	164.10	24.0	790930.	307.44	23.6

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