

H - ALPHA SOLAR FLARES

41  
Aug 84

AUGUST 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks		
								USAF						Region	Mo		Day	(Min)
0001	HTPR	01	1333	1343	1350	S17	E45	4552	08	5.0	17	SF		C	1343	20	.3	E
0002	HTPR	02	1004	1007	1021	S17	E36	4552	08	5.1	17	SF		C	1007	20	.3	
		02	1710		1723	No Flare Patrol												
		02	2053		2059	No Flare Patrol												
		03	0342		0344	No Flare Patrol												
0003	HTPR	03	1006	1010	1025	S05	E06		08	3.9	19	SF		C	1010	20	.2	E
0004	HTPR	03	1327	1332	1345	S18	E24	4552	08	5.4	18	SF		C	1332	30	.3	E
0005	HTPR	03	1349	1350	1410	N05	W10		08	2.8	21	SF		C	1350	20	.2	
		03	2126		2133	No Flare Patrol												
		03	2143		2148	No Flare Patrol												
		03	2217		2222	No Flare Patrol												
0006		04	03207	03282	0336	S17	E14	4552	08	5.2	16	SN				88	1.2	
	URUM	04	0320	0330	0337	S16	E13	4552	08	5.1	17	SN		C		79	.9	
	LEAR	04	0327	0328	0335	S17	E14	4552	08	5.2	8	SF	3	C		45		
	YUNN	04	0327	0329	0335	S17	E14	4552	08	5.2	8	SN		C		141	1.6	
0007	ABST	04	0553E	0556	0615D	S17	E14	4552	08	5.3	22D	SF		P	0556	131	1.4	D
		04	1704		1831	No Flare Patrol												
		04	1858		1953	No Flare Patrol												
0008	PALE	04	2011	2012	2018	S17	E05	4552	08	5.2	7	SF	3	C		76		F
0009		05	07555	08012	0814	N06	E60	4554	08	9.8	19	SF				19		F
	KANZ	05	0755	0803	0811	N07	E60	4554	08	9.8	16	SF	2					
	LEAR	05	0800	0801	0817	N06	E61	4554	08	9.9	17	SF	3	C		19		F
0010	KHAR	05	0937E		0952D	N08	E67	4554	08	10.4	15D	SF		V	0937			HJ
0011	RAMY	05	1401	1401	1410	N07	E60	4554	08	10.1	9	SF	3	C		19		F
		05	1912		1935	No Flare Patrol												
0012		05	20243	2037*	2134	N08	E56	4554	08	10.0	70	SN				49	1.9	BDFK
	PALE	05	2024	2035U	2052	N08	E57	4554	08	10.1	28	SF	2	C		41		F
	HOLL	05	2027	2037	2154	N07	E55	4554	08	10.0	87	SN	3	C		23		K
	HOLL	05	2027	2119	2154	N07	E55	4554	08	10.0	87	SN	3	C		24		K
	VORO	05	2100E	2102	2135	N10	E58	4554	08	10.2	35D	SN		C	2102	108	1.9	BD
0013		06	00471	00472	0057	N07	E55	4554	08	10.1	10	SN				105	2.8	E
	LEAR	06	0047	0047	0058	N07	E55	4554	08	10.1	11	SN	3	C		76		
	VORO	06	0047	0049	0051D	N07	E56	4554	08	10.2	4D	1F		C	0049	161	2.8	E
	PALE	06	0048	0048	0056	N07	E55	4554	08	10.1	8	SN	3	C		77		
0014	LEAR	06	0430	0430	0434	N07	E53	4554	08	10.1	4	SF	3	C		39		
0015	PEKG	06	0643	0652	0702D	S09	E31	4553	08	8.6	19D	SF		P	0652	17	.2	D
0016		06	1859	19001	1906	N12	W72		08	1.4	7	SF				38		
	RAMY	06	1859	1900	1905	N11	W74		08	1.2	6	SF	3	C		29		
	HOLL	06	1859	1901	1908	N13	W70		08	1.5	9	SF	3	C		46		
0017		06	21391	21401	2150	S17	W22	4552	08	5.2	11	SF				40	.7	FHS
	CULG	06	2139	2140	2154	S18	W21	4552	08	5.3	15	SF		C	2140	60	.7	FH
	PALE	06	2140	2141	2145	S16	W22	4552	08	5.2	5	SF	3	C		20		S
0018	LEAR	07	0003	0006	0017	N08	E43	4554	08	10.2	14	SF	3	C		20		
0019		07	0614E	0735	0800	N06	E38	4554	08	10.1	106D	SN				60	.7	BE
	HTPR	07	0614E		0800	N07	E37	4554	08	10.0	106D	SN		C	0624	60	.7	BE
	KHAR	07	0735E	0735	0747D	N06	E40	4554	08	10.3	12D	SF		V	0735			

42  
Aug 84

H - ALPHA SOLAR FLARES

AUGUST 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Imp See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0020	HTPR	07	0949	0959	1009	S15	W37		08	4.6	20	SF			C	0959	20	.2	E
0021	HTPR	07	1150	1154	1340	N07	E34	4554	08	10.0	110	SF			C	1154	30	.4	E
		07	1528		1538			No Flare Patrol											
		07	1544		1618			No Flare Patrol											
0022	RAMY	07	1827	1827	1840	N08	E32	4554	08	10.2	13	SF	3		C		28		F
0023	CULG	07	2144	2146	2201	N02	E25	4556	08	9.8	17	SF			C	2146	120	1.3	FH
0024		08	0616	0617	0627	N03	E62	4560A	08	12.9	11	SF					30	.6	EJ
	CULG	08	0616	0617	0627	N05	E61	4560A	08	12.8	11	SF			C	0617	30	.6	EJ
	KHAR	08	0630E		0643D	N01	E62	4560A	08	12.9	13D	SF			V	0630			EJ
0025		08	0822E		0827	S18	E90		08	15.2	5D	SN							AD
	ISTA	08	0822E		0827	S16	E90		08	15.2	5D	SN							DA
	ISTA	08	0830E		0942D	S19	E90		08	15.2	72D	SN							DA
		08	1841		1846			No Flare Patrol											
		08	2037		2044			No Flare Patrol											
0026	CATA	09	0915	0915	0920	N12	E11	4559	08	10.2	5	S		2	C	0915	39	.4	
		09	1511		1517			No Flare Patrol											
		09	1848		2018			No Flare Patrol											
		09	2053		2330			No Flare Patrol											
0027		10	0718	07182	0726	N10	W77	4558	08	4.5	8	SF					76		J
	KHAR	10	0716E		0736D	N10	W79	4558	08	4.4	20D	SF			V	0716			J
	LEAR	10	0718	0718	0726	N11	W75	4558	08	4.7	8	SF	3		C		13		
	CATA	10	0720E	0720	0730D	N08	W76	4558	08	4.6	10D	I	1		P	0720	140		
		10	1616		1620			No Flare Patrol											
		10	1719		1809			No Flare Patrol											
		10	2049		2223			No Flare Patrol											
		10	2225		2228			No Flare Patrol											
		10	2300		2304			No Flare Patrol											
0028		11	0805	0748*	0821	N10	W90	4558	08	4.6	16	SF					20		
	KHAR	11	0745E	0748	0806D	N10	W90	4558	08	4.6	21D	SF			V	0748			
	HTPR	11	0805	0811	0821	N11	W90	4558	08	4.6	16	SF			C	0811	20		
0029		11	0847E	0905	1030D	N10	W85	4558	08	5.0	103D	SN							
	KHAR	11	0847E		0854D	N10	W85	4558	08	5.0	7D	SF			V				
	KHAR	11	0904E	0905	1030D	N10	W85	4558	08	5.0	86D	SN			V	0905			
		11	2031		2036			No Flare Patrol											
0030		12	0907E		0940D	N08	W32	4554	08	10.0	33D	SF							
	KHAR	12	0907E		0925D	N07	W33	4554	08	9.9	18D	SF			V	0909			EH
	KHAR	12	0932E		0940D	N09	W32	4554	08	10.0	8D	SF			V	0935			E
0031	CATA	12	1135E	1135	1145D	N15	W31	4559	08	10.1	10D	S		2	P	1135	56	.7	
		12	2032		2044			No Flare Patrol											
		12	2058		2121			No Flare Patrol											
		13	1945		2116			No Flare Patrol											
		13	2150		2157			No Flare Patrol											
0032		14	06511	06537	0734	N09	W56	4554	08	10.1	43	SN C 1.0					75	1.4	EF
	LEAR	14	0651	0653	0736	N09	W55	4554	08	10.1	45	SF C 1.0	3		C		84		F
	HTPR	14	0652		0702D	N08	W58	4554	08	9.9	10D	SN			C	0653	60	1.2	E
	ATHN	14	0658E	0700	0732	N09	W54	4554	08	10.2	34D	SN	3		V	0700	80	1.5	
		14	1015		1031			No Flare Patrol											
0033	RAMY	14	1225	1229	1255D	N08	W58	4554	08	10.2	30D	SF	3		C		69		

H - ALPHA SOLAR FLARES

43  
Aug 84

AUGUST 1984

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														Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)		
			14 1602		1632		No Flare Patrol										
0034	HOLL	14	1815	1822	1851	N08 W60	4554	08 10.3	36	SF		3	C		82		F
			14 1938		2036		No Flare Patrol										
			14 2043		2047		No Flare Patrol										
0035		14	2356	2358E	2412	N08 W65	4554	08 10.1	16	1N				143	4.2	EF	
	PEKG	14	2355E	2359	2406	N08 W64	4554	08 10.2	11D	1N		C	2359	181	4.2	E	
	MITK	14	2356	2358	2413	N08 W65	4554	08 10.1	17	1N		C	2358	130			
	LEAR	14	2356	2359	2412	N10 W66	4554	08 10.0	16	1N		3	C	133		F	
	HOLL	15	0004E	0004	0016	N08 W65	4554	08 10.1	12D	1N		2	C	127		F	
0036	PALE	15	0038	0038	0042	N07 W64	4554	08 10.2	4	SF		3	C		36		
0037		15	01112	01162	0132	N08 W64	4554	08 10.2	21	SF				64	1.7	EF	
	YUNN	15	0111	0116	0120D	N08 W66	4554	08 10.1	9D	SF			P	47	1.0	EF	
	LEAR	15	0112	0116	0131	N09 W64	4554	08 10.2	19	SF		3	C	38		FE	
	PALE	15	0112	0117	0135	N07 W64	4554	08 10.2	23	SF		3	C	68		F	
	PEKG	15	0113	0118	0130	N08 W64	4554	08 10.2	17	1N			C	0118	101	2.4	E
			15 1401		1431		No Flare Patrol										
			15 1442		1451		No Flare Patrol										
0038	RAMY	15	1601	1602	1612	N07 W73	4554	08 10.2	11	SF		3	C		12		F
			15 1920		1930		No Flare Patrol										
			15 2040		2051		No Flare Patrol										
0039		16	07522	07542	0804	N09 W82	4554	08 10.2	12	SF				20			
	HTPR	16	0752	0756	0802	N09 W82	4554	08 10.2	10	SF			C	0756	20		
	KANZ	16	0754	0754	0805	N09 W83	4554	08 10.1	11	SF		2					
			16 1228		1229		No Flare Patrol										
			16 1828		1843		No Flare Patrol										
			16 1910		1921		No Flare Patrol										
			16 1925		1945		No Flare Patrol										
			16 1949		2036		No Flare Patrol										
			16 2046		2129		No Flare Patrol										
0040		17	0733*	0742*	0815	N04 W70	4563	08 12.1	42	SF				70		E	
	WEND	17	0733	0742	0802	N04 W67	4563	08 12.3	29	SF			C	0742	63		
	HTPR	17	0735	0742	0803	N03 W72	4563	08 11.9	28	SF			C	0742	30	E	
	CATA	17	0800E	0800	0850D	N05 W68	4563	08 12.2	50D	1		2	P	0800	169		
	HTPR	17	0825	0833	0840	N03 W72	4563	08 12.0	15	SF			C	0833	20	E	
0041	HTPR	17	0740	0743	0746	S18 E08		08 17.9	6	SF			C	0743	10	.1	G
0042	HTPR	17	0918	0933	0943	N03 W73	4563	08 11.9	25	SF			C	0933	10		
0043	HTPR	17	0954	0958	1002	N03 W73	4563	08 11.9	8	SF			C	0958	10		
0044		17	1047	1059	1114	N02 W72	4563	08 12.1	27	SF				14			
	HTPR	17	1047		1057D	N03 W74	4563	08 11.9	10D	SF			C	1051	10		
	RAMY	17	1057E	1059	1114	N02 W71	4563	08 12.1	17D	SF		3	C		18		
0045		17	1253*	1326	1329	N03 W75	4563	08 11.9	36	SF				21		E	
	HTPR	17	1253		1400D	N03 W75	4563	08 11.9	67D	SF			C	1308	20	E	
	RAMY	17	1319	1326	1329	N03 W75	4563	08 11.9	10	SF		3	C		22		
0046	RAMY	17	1428	1437	1457D	N02 W74	4563	08 12.1	29D	SF		3	C		19		
0047	HOLL	17	1610	1705	1726	N03 W76	4563	08 12.0	76	SF		3	C		19		
0048		17	2119	2122	2155	N04 W81	4563	08 11.8	36	SF				14		K	
	HOLL	17	2119	2122	2155	N04 W81	4563	08 11.8	36	SF		2	C	11		K	
	HOLL	17	2119	2139U	2155	N04 W81	4563	08 11.8	36	SF		2	C	18		K	

H - ALPHA SOLAR FLARES

AUGUST 1984

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)			
0049	HOLL	17	2226	2240U	2314	N04	W78	4563	08	12.1	48	SF		3	C			21			
0050	YUNN	18	0053	0056	0200	N02	W90	4563	08	11.3	67	1N			C			63		T	
0051		18	0252	0244*	0256	N03	W89	4563	08	11.5	4	1B						47		DEG	
	URUM	18	0242E	0244	0252	N04	W88	4563	08	11.5	10D	1B			P			47		D	
	URUM	18	0252	0258	0301	N02	W90	4563	08	11.4	9	1B			C			47		EG	
0052	URUM	18	0524	0544	0554	N03	W83	4563	08	12.0	30	SN			C			31		G	
0053		18	0720	0729I	0740	N03	W90	4563	08	11.6	20	1N						20		AD	
	KHAR	18	0717E	0729	0820D	N03	W90	4563	08	11.6	63D	1N			P	0729		20		AD	
	HPR	18	0720	0730	0740	N03	W90	4563	08	11.6	20	SF			C	0730		20			
0054		18	0843	0848	0917	N04	W90	4563	08	11.6	34	SN						20		D	
	KHAR	18	0826E		0857D	N05	W90	4563	08	11.6	31D	SN			V	0826		20		D	
	HPR	18	0843	0848	0917	N03	W90	4563	08	11.6	34	SF			C	0848		20			
0055		18	0934*	0944*	1003	N03	W90	4563	08	11.7	29	1B						53		ADG	
	URUM	18	0934	0944	0954	N03	W90	4563	08	11.7	20	1B			C			63		DG	
	HPR	18	0937	0946	1000	N03	W90	4563	08	11.7	23	SB			C	0946		50		A	
	KHAR	18	0943E		0954D	N05	W90	4563	08	11.7	11D	SN			V	0943		47		D	
	URUM	18	0959	1004	1014	N02	W90	4563	08	11.7	15	1N			C			47		G	
0056		18	1024	1029	1039	N02	W90	4563	08	11.7	15	SN						31		ADG	
	KHAR	18	1020E		1045D	N03	W90	4563	08	11.7	25D	SN			V	1028		31		AD	
	URUM	18	1024	1029	1039	N02	W90	4563	08	11.7	15	SN			C			31		G	
0057	KHAR	18	1102E	1104	1145D	N05	W90	4563	08	11.7	43D	SN			V	1104				D	
0058	HPR	18	1225	1226	1232	N05	W90	4563	08	11.8	7	SN			C	1226		10			
0059	MITK	19	0203	0207	0219	N05	W90	4563	08	12.3	16	1N			C	0207		100			
		19	1131		1209	No Flare Patrol															
0060	HPR	19	1227	1234	1257	N03	W90	4563	08	12.8	30	SF			C	1234		20			
		19	2013		2017	No Flare Patrol															
		19	2023		2029	No Flare Patrol															
		19	2039		2042	No Flare Patrol															
		19	2209		2218	No Flare Patrol															
		19	2220		2321	No Flare Patrol															
		19	2331		2340	No Flare Patrol															
		20	2034		2039	No Flare Patrol															
		20	2117		2122	No Flare Patrol															
		20	2139		2202	No Flare Patrol															
		20	2225		2228	No Flare Patrol															
	0061	HPR	21	1204	1210	1225	N16	E80		08	27.6	21	SF			C	1210		10		
	0062	CULG	21	2137E	2141	2158	N17	E72		08	27.4	21D	1F			P	2141		140		
0063	YUNN	22	0805E	0806	0811	N09	E89		08	29.0	6D	SF			P			16		G	
0064	HPR	22	1157	1159	1205	N16	E58		08	26.9	8	SF			C	1159		10		.2	
		22	1425		1449	No Flare Patrol															
		22	1731		1735	No Flare Patrol															
		22	1839		1929	No Flare Patrol															
		22	1950		2044	No Flare Patrol															
		22	2203		2228	No Flare Patrol															
		22	2240		2249	No Flare Patrol															
		23	1554		1559	No Flare Patrol															
	0065		24	1037	1030*	1101	S14	E00	4565	08	24.4	24	SN						52		.6
		CATA	24	1030E	1030	1040D	S15	E01	4565	08	24.5	10D	S		2	P	1030		56		.6
		URUM	24	1037	1042	1101	S14	E00	4565	08	24.4	24	SN			C			47		.5



46  
Aug 84

## H - ALPHA SOLAR FLARES

AUGUST 1984

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																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0085	LEAR	25	2318	2318	2327	S13	W72	4566	08	20.5	9	SF		3	C		13		
0086	LEAR	25	2338	2339	2353	S14	W73	4566	08	20.5	15	SF		3	C		13		
0087	LEAR	25	2339	2345	2353	S06	E65	4567	08	30.8	14	SF		3	C		16		F
0088	LEAR	25	2358	2413	2417	S05	E64	4567	08	30.8	19	SF		3	C		25		
0089	LEAR	26	0115	0115	0133	S05	E64	4567	08	30.8	18	SN		3	C		17		F
0090		26	0136*	0139*	0227	S05	E64	4567	08	30.8	51	SB	C 3.5				50	1.9	FK
	LEAR	26	0136	0139	0146	S05	E64	4567	08	30.8	10	SF		3	C		16		F
	URUM	26	0148E	0200	0208	S06	E65	4567	08	30.9	20D	SB			P		47		
	LEAR	26	0205	0208	0241	S06	E63	4567	08	30.8	36	SN		3	C		29		K
	LEAR	26	0205	0216	0241	S06	E63	4567	08	30.8	36	SB	C 3.5	3	C		52		K
	URUM	26	0212	0216	0224	S06	E65	4567	08	30.9	12	SB			C		47		
	PALE	26	0213E	0215	0219D	S05	E65	4567	08	30.9	6D	SB	C 3.5	3	C		84		
	URUM	26	0239	0241	0300	S04	E64	4567	08	30.9	21	SB			C		79	1.9	
0091	URUM	26	0152	0156	0211	S13	W25	4565	08	24.2	19	SN			C		31	.4	
0092		26	0329	03357	0345	S06	E65	4567	08	31.0	16	SN					34	1.5	DHK
	LEAR	26	0329	0336	0348	S06	E64	4567	08	30.9	19	SN		3	C		20		HK
	LEAR	26	0329	0342	0348	S06	E64	4567	08	30.9	19	SN		3	C		19		K
	PEKG	26	0335E	0335	0340	S06	E66	4567	08	31.1	5D	SF			P	0335	63	1.5	D
0093		26	03515	04015	0425	S06	E64	4567	08	30.9	34	SN					25	.8	HKT
	LEAR	26	0351	0401	0425	S06	E64	4567	08	30.9	34	SN		3	C		21		K
	LEAR	26	0351	0406	0425	S06	E64	4567	08	30.9	34	SN		3	C		23		HK
	URUM	26	0356	0401	0426	S05	E63	4567	08	30.9	30	SN			C		31	.8	T
0094	LEAR	26	0409	0409	0411	N12	E68	4565A	08	31.3	2	1F		3	C		138		
0095		26	04464	04501	0459	S06	E64	4567	08	31.0	13	SN					18		
	URUM	26	0446	0451	0500	S06	E65	4567	08	31.1	14	SF			C		16		
	LEAR	26	0450	0450	0458	S06	E64	4567	08	31.0	8	SN		3	C		21		
0096		26	0511*	0512*	0538	S06	E64	4567	08	31.0	27	1N	C 2.0				98	6.4	DF
	LEAR	26	0511	0512	0520	S05	E63	4567	08	30.9	9	SF		3	C		18		
	PEKG	26	0520	0530	0530D	S08	E64	4567	08	31.0	10D	2N	C 2.0		P	0530	273	6.4	D
	URUM	26	0523	0527	0551	S07	E65	4567	08	31.1	28	SB			C		47		
	LEAR	26	0524	0527	0543	S06	E62	4567	08	30.9	19	SN	C 2.0	3	C		52		F
0097	LEAR	26	0611	0620	0628	S07	E63	4567	08	31.0	17	SF		3	C		16		F
0098		26	06382	06404	0649	S06	E64	4567	08	31.1	11	SN					51	1.1	DEFKT
	ABST	26	0637E	0640	0648	S06	E65	4567	08	31.1	11D	SN			P	0640	87		DKT
	LEAR	26	0638	0641	0644	S06	E64	4567	08	31.1	6	SN		3	C		18		FE
	URUM	26	0640	0644	0656	S06	E62	4567	08	30.9	16	SN			C		47	1.1	
0099		26	0658	0700*	0751	S05	E62	4567	08	30.9	53	SN					26		EFK
	LEAR	26	0658	0700	0751	S05	E62	4567	08	30.9	53	SN		3	C		19		K
	LEAR	26	0658	0720	0751	S05	E62	4567	08	30.9	53	SN		3	C		33		FEK
0100		26	07515	0803*	0823	S06	E60	4567	08	30.8	32	SB					32	.8	FK
	URUM	26	0751	0806	0816	S05	E59	4567	08	30.7	25	SN			C		63	1.3	
	LEAR	26	0756	0803	0826	S06	E60	4567	08	30.8	30	SB		3	C		32		FK
	LEAR	26	0756	0818	0826	S06	E60	4567	08	30.8	30	SB		3	C		17		K
	ATHN	26	0800E		0825	S08	E60	4567	08	30.8	25D	SB		2	V	0800	16	.3	
0101		26	0840	08464	0914	S06	E63	4567	08	31.1	34	SB	C 2.0				57	1.1	FK
	LEAR	26	0840	0846	0915	S05	E64	4567	08	31.1	35	SB		3	C		80		K
	LEAR	26	0840	0850	0915	S05	E64	4567	08	31.1	35	SB	C 2.0	3	C		43		FK
	ATHN	26	0846E	0850	0911	S08	E62	4567	08	31.0	25D	SB		2	V	0850	48	1.1	
0102		26	09217	09266	0942	S06	E59	4567	08	30.8	21	SN					44	1.4	
	URUM	26	0921	0926	0946	S05	E61	4567	08	30.9	25	SN			C		63	1.4	
	LEAR	26	0928	0932	0937	S06	E57	4567	08	30.7	9	SN		3	C		25		

H - ALPHA SOLAR FLARES

47  
Aug 84

AUGUST 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks	
																Time (UT)	Apparent (10 <sup>-6</sup> Disk)		Corr (Sq Deg)
0103	URUM	26	0951	1000	1026	S06	E60	4567	08	30.9	35	SN			C	79	1.7		
0104		26	1031	1036*	1130	S05	E58	4567	08	30.8	59	SN				37	.8		
	URUM	26	1031	1036	1051	S05	E59	4567	08	30.8	20	SN			C	39	.8		
	RAMY	26	1058E	1159	1208	S05	E58	4567	08	30.8	70D	SN	3		C	35			
0105	RAMY	26	1217	1225	1339	S05	E58	4567	08	30.8	82	SF			C	35			
0106	RAMY	26	1337	1342	1429	S15	W31	4565	08	24.2	52	SF			C	31			
0107	HOLL	26	1524	1534	1549D	S06	E57	4567	08	30.9	25D	SF			C	41		F	
0108		26	1537	1544	1554	S13	W33	4565	08	24.2	17	SN				28			
	HOLL	26	1537	1544	1549D	S13	W33	4565	08	24.2	12D	SN	3		C	36			
	RAMY	26	1544	1548	1554	S13	W33	4565	08	24.2	10	SF	3		C	21			
0109	HOLL	26	1719	1720	1724	S06	E57	4567	08	31.0	5	SF			C	45			
0110	HOLL	26	2014	2016	2020	S08	E55	4567	08	31.0	6	SF			C	33			
0111	HOLL	26	2032	2033	2037	S12	W36	4565	08	24.1	5	SF			C	25			
		26	2120		2137	No Flare Patrol													
		26	2152		2205	No Flare Patrol													
0112	HOLL	27	0026	0027	0035	S08	E52	4567	08	30.9	9	SF			C	18			
0113	LEAR	27	0143	0144	0151	S07	E51	4567	08	30.9	8	SF			C	63			
0114		27	0301	0306	0322	S12	W40	4565	08	24.1	25	SN				25	.2	F	
	URUM	27	0301	0306	0322	S12	W40	4565	08	24.1	21	SN			C	16	.2		
	LEAR	27	0303	0314	0329	S12	W40	4565	08	24.1	26	SF	3		C	34		F	
0115	URUM	27	0737	0747	0801	S12	W44	4565	08	24.0	24	SF			C	79	1.2		
0116	URUM	27	0757	0812	0832D	S05	E48	4567	08	30.9	35D	SF			P	39	.6	E	
0117	URUM	27	0857	0911	0936	S13	W46	4565	08	23.9	39	SN			C	47	.8	E	
0118	URUM	27	1022	1027	1052	S13	W46	4565	08	24.0	30	SF			C	31	.5	E	
0119	URUM	27	1107	1111	1116	S14	W47	4565	08	23.9	9	SF			C	79	1.3	E	
0120	URUM	27	1132	1137U	1137D	S12	W44	4565	08	24.2	5D	SF			P	1137	79	1.2	E
0121	RAMY	27	1214	1215	1221	S13	W43	4565	08	24.3	7	SF			C	29			
0122	HOLL	27	1349	1359	1417	S12	W46	4565	08	24.1	28	SF			C	44		F	
0123	RAMY	27	1428	1429	1435	S06	E44	4567	08	30.9	7	SF			C	26			
0124		27	1523	1523	1531	S13	W45	4565	08	24.2	8	SF				20			
	RAMY	27	1523	1523	1530	S13	W44	4565	08	24.3	7	SF	3		C	24			
	HOLL	27	1523	1524	1532	S13	W46	4565	08	24.2	9	SF	3		C	17			
0125		27	1909	1913	1934	S07	E42	4567	08	30.9	24	SN				38		FK	
	HOLL	27	1909	1913	1934	S07	E42	4567	08	30.9	25	SN	3		C	26		K	
	HOLL	27	1909	1921	1934	S07	E42	4567	08	30.9	25	SN	3		C	51		FK	
	PALE	27	1918	1921	1932	S06	E41	4567	08	30.9	14	SF	3		C	36			
0126	HOLL	27	2001	2004	2010	S07	E41	4567	08	30.9	9	SF			C	29			
0127	HOLL	27	2020	2031	2054	S07	E40	4567	08	30.8	34	SF			C	37			
0128	HOLL	27	2204	2204	2211	S06	E39	4567	08	30.8	7	SN			C	20			
0129	LEAR	28	0047	0049	0058	S06	E38	4567	08	30.9	11	SF			C	24			

48  
Aug 84

H - ALPHA SOLAR FLARES

AUGUST 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0130	URUM	28	0215	0217	0230	S06	E36	4567	08	30.8	15	SB			C		47	.6	
0131	URUM	28	0240	0245	0304D	S04	E46	4567	08	31.5	24D	SF			P		31	.5	
0132	URUM	28	0409	0414	0429	S06	E34	4567	08	30.7	20	SN			C		55	.7	
0133	URUM	28	0514	0524	0534	S06	E33	4567	08	30.7	20	SN			C		79	1.0	
0134	LEAR	28	0645	0656	0708	S04	E32	4567	08	30.7	23	SF	3		C		55		F
0135	LEAR	28	0742	0742	0746	S13	W55	4565	08	24.2	4	SF	3		C		20		F
		28	1141		1145	No Flare Patrol													
0136	HOLL	28	1350	1351	1355	S07	E31	4567	08	30.9	5	SF	3		C		33		
0137		28	1949*	2002*	2040	S14	W63	4565	08	24.1	51	SN					38		FH
	HOLL	28	1949	2002	2036	S14	W63	4565	08	24.1	47	SN	3		C		60		FH
	HOLL	28	2039	2040	2043	S14	W63	4565	08	24.1	4	SF	3		C		16		
0138	HOLL	28	1952	1957	2009	S07	E27	4567	08	30.8	17	SF	3		C		21		
0139		28	2105*	2106*	2125	S06	E28	4567	08	31.0	20	SF					24		F
	HOLL	28	2105	2106	2119	S06	E28	4567	08	31.0	14	SF	3		C		24		F
	HOLL	28	2120	2121	2131	S07	E27	4567	08	30.9	11	SF	3		C		24		F
0140	HOLL	28	2145	2153	2213	S14	W62	4565	08	24.2	28	SF	3		C		39		F
0141	HOLL	28	2358	2401	2417	S07	E25	4567	08	30.9	19	SF	3		C		24		F
0142	PALE	29	0040E	0044U	0053	S06	E24	4567	08	30.8	13D	SF	3		C		34		F
0143	URUM	29	0204	0205	0232	S07	E23	4567	08	30.8	28	SN			C		47	.5	F
0144	URUM	29	0204	0205	0218	S12	W67	4565	08	24.0	14	SN			C		16		FG
0145		29	0733E	0801	0813D	S08	E20	4567	08	30.8	40D	SF					120	1.3	DEL
	KHAR	29	0733E		0757D	S08	E21	4567	08	30.9	24D	SF			P	0733	120	1.3	EL
	KHAR	29	0800E	0801	0813D	S08	E19	4567	08	30.7	13D	SF			V	0801			D
0146		29	08207	08323	0852	S06	E17	4567	08	30.6	32	SN					65	.7	E
	BUCA	29	0820	0835	0855	S05	E20	4567	08	30.8	35	SN			C	0835	64	.7	E
	HTPR	29	0827	0832	0850	S06	E10	4567	08	30.1	23	SF			C	0832	30	.3	E
	KHAR	29	0831E	0833	0846D	S08	E22	4567	08	31.0	15D	SN			V	0833	100	1.1	E
0147	HTPR	29	1020	1020	1031	S06	E17	4567	08	30.7	11	SF			C	1020	20	.2	E
0148	RAMY	29	1304	1304	1312	S07	E19	4567	08	31.0	8	SF	3		C		28		
0149	HTPR	29	1537	1538	1541	S05	E03	4567	08	29.9	4	SF			C	1538	20	.2	E
		30	0131		0133	No Flare Patrol													
0150	HTPR	30	1345	1410	1415	N04	E90	4569A	09	6.3	30	SF			C	1410	10		
0151	HTPR	30	1425		1504D	N07	E70	4569	09	4.8	39D	SF			C	1431	20	.5	
0152	HOLL	30	1751	1755	1800	S06	E02	4567	08	30.9	9	SF	3		C		22		
		30	2051		2059	No Flare Patrol													
		30	2104		2127	No Flare Patrol													
0153	CULG	30	2214	2215	2222	S04	W06	4567	08	30.5	8	SF			C	2215	20	.2	
0154		31	01343	01375	0154	S08	W02	4567	08	30.9	20	SF					113	1.8	FU
	CULG	31	0134	0142	0157	S09	W01	4567	08	31.0	23	SF			C	0142	180	1.8	F
	LEAR	31	0137	0137	0150	S08	W03	4567	08	30.8	13	SF	3		C		46		UF

H - ALPHA SOLAR FLARES

49  
Aug 84

AUGUST 1984

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	(10 <sup>-6</sup> Disk)	(Sq Deg)		
0155		31	02213	02244	0232	S06	W08	4567	08	30.5	11	SN						84	1.3	H
	CULG	31	0221	0224	0232	S05	W08	4567	08	30.5	11	SN			C	0224		130	1.3	H
	MITK	31	0223	0224	0232	S07	W09	4567	08	30.4	9	SN			C	0225				H
	LEAR	31	0224	0228	0232	S05	W08	4567	08	30.5	8	SF		3	C			39		H
0156		31	0734	0746*	0840	N08	E64	4569	09	5.1	66	SF						40	.8	EK
	HTPR	31	0734	0746	0840	N08	E64	4569	09	5.1	66	SF			C	0828		40	.8	EK
	HTPR	31	0734	0828	0840	N08	E64	4569	09	5.1	66	SF			C	0828		40	.8	EK
0157	HTPR	31	1036	1041	1049	S06	W07	4567	08	30.9	13	SF			C	1041		30	.3	E
0158	HTPR	31	1243	1250	1340	S06	W10	4567	08	30.8	57	SF			C	1250		10	.1	
0159	HTPR	31	1430	1441	1520	S08	W10	4567	08	30.8	50	SF			C	1441		20	.2	E
0160	HTPR	31	1512		1531D	N08	E60	4569	09	5.1	19D	SF			C	1517		30	.6	E
0161	HOLL	31	1931	1940	1950	S07	W13	4567	08	30.8	19	SF		3	C			43		

"Remarks":

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.

O = Observations have been made in the H and K lines of Ca II.  
 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.