

H - ALPHA SOLAR FLARES

45
Dec 83

DECEMBER 1983

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 ⁻⁶ Disk)		Corr (Sq Deg)
			01 1319		1333			No Flare Patrol											
			01 1335		1338			No Flare Patrol											
			01 2002		2013			No Flare Patrol											
			01 2217		2253			No Flare Patrol											
			02 0435		0519			No Flare Patrol											
0001	HTPR	02	1210	1216	1218	S14	W24		11	30.7	8	SF			C	1216	20	.2	
			02 1503		1928			No Flare Patrol											
			02 1938		1956			No Flare Patrol											
			02 2112		2120			No Flare Patrol											
			02 2134		2157			No Flare Patrol											
			02 2204		2240			No Flare Patrol											
			04 0804		0811			No Flare Patrol											
			04 1647		1648			No Flare Patrol											
			04 1723		1802			No Flare Patrol											
0002	KANZ	05	0909	0912	0921	S14	E81	4372	12	11.5	12	SF		2					G
0003	KANZ	05	0953	1000	1006	S14	E81	4372	12	11.5	13	SF		2					G
0004		05	1216*	1229*	1337	S12	E16	4370	12	6.7	81	SN	C 2.1			170	1.6	FGU	
	RAMY	05	1216	1233	1258D	S13	E16	4370	12	6.7	42D	SN	C 2.1	3	C	197		UF	
	KANZ	05	1218	1229	1338	S14	E18	4370	12	6.9	80	1N		3				GU	
	WEND	05	1225	1238	1358	S12	E18	4370	12	6.9	93	SN	C 2.1	3	C	1238	144	1.6	G
	KANZ	05	1229	1240	1315	S09	E14	4370	12	6.6	46	SN		3					G
0005		05	12431	1252	1334	S13	E80	4372	12	11.6	51	SN				55			G
	RAMY	05	1243	1252	1258D	S12	E75	4372	12	11.2	15D	SF		3	C	55			G
	KANZ	05	1244	1252	1334	S14	E86	4372	12	12.0	50	SN		3					G
0006	HOLL	05	1553	1553	1559	S13	E67	4372	12	10.7	6	SF		3	C		18		
0007	LEAR	05	2340	2348	2445	S13	E64	4372	12	10.8	65	SF		3	C		12		
0008	LEAR	06	0311	0314	0348	S20	E79	4372	12	12.2	37	SF		3	C		34		F
0009		06	06118	0623	0642	S12	E62	4372	12	10.9	31	SN	C 1.3			54	.7		
	LEAR	06	0611	0623	0645	S13	E62	4372	12	10.9	34	SF	C 1.3	3	C	76			
	YUNN	06	0619	0623	0639	S12	E61	4372	12	10.8	20	SN			C	31	.7		
0010		06	0657	0705*	0750	S13	E60	4372	12	10.8	53	SN	C 2.3			87	1.3	DFKV	
	LEAR	06	0657	0705	0802	S13	E60	4372	12	10.8	65	1B	C 2.3	3	C	146		FK	
	LEAR	06	0657	0719	0802	S13	E60	4372	12	10.8	65	SN		3	C	75		K	
	ABST	06	0702U	0703U	0710U	S14	E60	4372	12	10.8	8U	SN			C	0703	87	1.8	DKV
	CULG	06	0706E	0709U	0712	S11	E59	4372	12	10.7	6D	SF			P	0709	40	.8	
	KANZ	06	0737E	0737U	0803	S13	E60	4372	12	10.8	26D	SN		1					
0011		06	08181	08202	0833	S13	E62	4372	12	11.0	15	SF	C 2.0			62	1.2	E	
	KANZ	06	0818	0822	0830D	S14	E62	4372	12	11.0	12D	SF		1					
	LEAR	06	0819	0820	0833	S14	E63	4372	12	11.1	14	SF	C 2.0	3	C	65			
	HTPR	06	0832E		0844D	S12	E62	4372	12	11.0	12D	SF			C	0836	60	1.2	E
0012		06	09314	0935*	1032	S13	E60	4372	12	10.9	61	SF				71	1.7	E	
	HTPR	06	0912E		1059	S12	E61	4372	12	11.0	107D	SN			C	1010	80	1.6	E
	LEAR	06	0931	0938	1006D	S13	E60	4372	12	10.9	35D	SF		3	C	47			
	KANZ	06	0933	0937	1053	S14	E61	4372	12	11.0	80	SF		2					
	CATA	06	0935	0935	0945	S12	E57	4372	12	10.7	10	S		1	C	0935	45	.9	
	CATA	06	1035E	1035	1040D	S17	E63	4372	12	11.2	5D	1		1	P	1035	112	2.7	
0013	HTPR	06	1235	1246	1253	S12	E59	4372	12	11.0	18	SF			C	1246	20	.4	
0014		06	13202	13293	1338	S13	E60	4372	12	11.1	18	SN				78	2.0	E	
	HTPR	06	1320	1332	1340	S12	E59	4372	12	11.0	20	SN			C	1332	100	2.0	E
	KANZ	06	1322	1329	1333	S14	E61	4372	12	11.2	11	SN		2					
	RAMY	06	1322	1329	1342	S12	E59	4372	12	11.0	20	SN		3	C	57			
0015		06	15273	1528*	1645	S12	E58	4372	12	11.0	78	1N	M 1.1			107			K
	HOLL	06	1527	1528	1546D	S13	E58	4372	12	11.0	19D	SF		3	C	34			K
	HOLL	06	1527	1543	1546D	S13	E58	4372	12	11.0	19D	1N		3	C	160			K
	RAMY	06	1530	1543	1645	S12	E59	4372	12	11.1	75	1B	M 1.1	3	C	163			K
	RAMY	06	1530	1606	1645	S12	E59	4372	12	11.1	75	SN		3	C	70			K

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						Lat	Region									Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
			07 1101		1106														
			07 1111		1125														
0032		07	1228	12437	1403	S12 E45	4372	12	10.9	95	SN					82	1.1	EK	
	RAMY	07	1228	1243	1404	S12 E46	4372	12	11.0	96	SN	3	C			77		K	
	RAMY	07	1228	1250	1404	S12 E46	4372	12	11.0	96	SN	3	C			89		K	
	HTPR	07	1257E		1401	S13 E43	4372	12	10.8	64D	SB		C	1257		80	1.1	E	
0033	RAMY	07	1418	1432	1445	S12 E46	4372	12	11.1	27	SF	3	C			17			
0034	HOLL	07	1944	1944	1955	N17 W60	4366	12	3.3	11	SF	3	C			14			
0035	HOLL	07	2052	2053	2102	S14 E43	4372	12	11.1	10	SN	3	C			54			
0036		08	05005	05061	0511	S00 E35	4371	12	10.8	11	SF					32	.5		
	CULG	08	0500	0506	0511	S00 E36	4371	12	10.9	11	SF		C	0506		40	.5		
	LEAR	08	0505	0507	0511	S01 E34	4371	12	10.7	6	SF	3	C			25			
0037		08	07472	07531	0819	S13 E36	4372	12	11.0	32	1B C 2.3					184	2.2	J	
	CULG	08	0747	0754	0803	S11 E36	4372	12	11.0	16	SB		C	0754		140	1.8	J	
	YUNN	08	0749	0753	0813	S14 E35	4372	12	11.0	24	1B		C			204	2.7		
	LEAR	08	0749	0753	0840	S14 E36	4372	12	11.0	51	1B C 2.3	3	C			209			
0038		08	0937*	1019	1038	S13 E36	4372	12	11.1	61	SN					58	.7	E	
	WEND	08	0937		1024D	S13 E36	4372	12	11.1	47D	SF		C	0941		56	.7		
	HTPR	08	1019E		1025D	S14 E35	4372	12	11.1	6D	SN		C	1020		60	.7	E	
	KANZ	08	1019	1019	1038	S13 E38	4372	12	11.3	19	SN	1							
0039		08	1139*	12122	1226	S12 E36	4372	12	11.2	47	SN C 1.3					110		F	
	RAMY	08	1139	1214	1237	S12 E35	4372	12	11.1	58	SN C 1.3	3	C			110		F	
	KANZ	08	1209	1212	1216	S12 E37	4372	12	11.3	7	SN	2							
0040		08	1502*	15031	1532	S14 E33	4372	12	11.1	30	SF					22		F	
	RAMY	08	1502	1503	1544	S13 E32	4372	12	11.0	42	SN	3	C			24		F	
	HOLL	08	1503	1504	1511	S14 E33	4372	12	11.1	8	SF	3	C			22		F	
	HOLL	08	1525	1536U	1542	S14 E33	4372	12	11.1	17	SF	3	C			19		F	
0041		08	1636	16362	1652	S13 E32	4372	12	11.1	16	SN					46			
	RAMY	08	1636	1636	1650	S12 E31	4372	12	11.0	14	SN	3	C			30			
	HOLL	08	1636	1638	1655	S14 E34	4372	12	11.3	19	SF	3	C			63			
0042		08	1844	18441	1906	S13 E32	4372	12	11.2	22	SF					36		F	
	HOLL	08	1844	1844	1905	S13 E31	4372	12	11.1	21	SF	3	C			25		F	
	PALE	08	1844	1845	1908	S13 E32	4372	12	11.2	24	SF	3	C			48			
0043	PALE	08	2000	2005	2016	N12 W12	4375	12	7.9	16	SF	3	C			34			
0044		09	02236	02324	0304	N12 W16	4375	12	7.9	41	1N C 1.8					216	2.8	EFJ	
	MITK	09	0223	0236	0309	N12 W16	4375	12	7.9	46	1N C 1.8		C	0236		310	3.4	E	
	CULG	09	0228	0232	0318	N11 W17	4375	12	7.8	50	1B		P	0232		190	2.1	J	
	LEAR	09	0229	0235	0246	N12 W15	4375	12	8.0	17	SN C 1.8	3	C			149		F	
0045	LEAR	09	0346	0346	0353	N12 W16	4375	12	7.9	7	SF	3	C			25		F	
0046		09	03485	03584	0449	S13 W34		12	6.6	61	SF					86	1.1	FSU	
	LEAR	09	0348	0358	0442	S12 W33		12	6.7	54	SF	3	C			82		UF	
	CULG	09	0353	0402	0456	S14 W36		12	6.4	63	SF		C	0402		90	1.1	S	
0047	LEAR	09	0404	0411	0427	S17 E27	4376	12	11.2	23	SF	3	C			25			
0048	LEAR	09	0607	0609	0621	N12 W19	4375	12	7.8	14	SF	3	C			33			
0049	LEAR	09	0707	0708	0717	N12 W16	4375	12	8.1	10	SF	3	C			26			
0050		09	07344	07382	0750	N12 W19	4375	12	7.9	16	SN					42	.7		
	YUNN	09	0734	0740	0756	N11 W19	4375	12	7.9	22	SN		C			63	.7		
	LEAR	09	0738	0738	0743	N12 W19	4375	12	7.9	5	SN	3	C			20			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0051	YUNN	09	0808	0816	0836	N12	W19	4375	12	7.9	28	SN				63	.7	E	
0052		09	09312	09341	0943	N11	W20	4375	12	7.9	12	SF				48			
	KANZ	09	0931	0935	0943	N10	W20	4375	12	7.9	12	SF		2					
	LEAR	09	0933	0934	0943	N12	W20	4375	12	7.9	10	SF		3	C		48		
0053		09	0951	0955	1019	N12	W20	4375	12	7.9	28	SF				40			
	LEAR	09	0951	0955	1002D	N12	W21	4375	12	7.8	11D	SF		3	C		40		
	KANZ	09	0951	0955	1019	N11	W20	4375	12	7.9	28	SF		2					
0054	CATA	09	1035	1035	1035D	S16	E27	4376	12	11.5	28D	S		2	P	1035	45	.5	
0055	KANZ	09	1043	1047	1111	N10	W21	4375	12	7.9	28	SN		2					
0056		09	1131	1219*	1305	N11	W22	4375	12	7.8	94	SN				96		K	
	KANZ	09	1131	1246	1306	N10	W21	4375	12	7.9	95	SN		2				K	
	RAMY	09	1133E	1219	1304	N11	W23	4375	12	7.7	91D	SN		3	C		88	K	
	RAMY	09	1133E	1247	1304	N11	W23	4375	12	7.7	91D	SN		3	C		103	K	
0057	RAMY	09	1201	1215	1244	N01	E64	4374	12	14.3	43	SF		3	C		32		
0058		09	13104	1320	1329	N00	E72	4374	12	14.9	19	SN				35			
	RAMY	09	1310	1320	1334	N01	E69	4374	12	14.7	24	SF		3	C		35		
	KANZ	09	1314	1320	1324	S00	E75	4374	12	15.1	10	SN		2					
0059		09	13141	13143	1325	N12	W21	4375	12	8.0	11	SN				47			
	KANZ	09	1314	1314	1328	N11	W20	4375	12	8.0	14	SN		2					
	RAMY	09	1315	1317	1322	N12	W22	4375	12	7.9	7	SF		3	C		47		
0060		09	1412	1423*	1811	N11	W24	4375	12	7.8	239	SN				142		K	
	RAMY	09	1412	1423	1811	N11	W24	4375	12	7.8	239	SN		3	C		150	K	
	RAMY	09	1412	1458	1811	N11	W24	4375	12	7.8	239	SN		3	C		134	K	
0061		09	1828	1855*	2019	N01	E65	4374	12	14.6	111	SF	C 1.4			66		K	
	RAMY	09	1828	1855	2050	N01	E63	4374	12	14.5	142	1N	C 1.4	3	C		144	K	
	RAMY	09	1828	1924	2050	N01	E63	4374	12	14.5	142	SF		3	C		41	K	
	HOLL	09	1910E	1911U	1916	N00	E68	4374	12	14.9	6D	SF		3	C		13		
0062		09	2023*	2030*	2043	N01	E79	4374B	12	15.7	20	SN				12			
	HOLL	09	2023	2030	2043	N01	E79	4374B	12	15.7	20	SN		3	C		12		
	HOLL	09	2042	2042	2043	N01	E79	4374B	12	15.8	1	SF		0	C		12		
		09	2055		2144	No Flare Patrol													
		09	2153		2210	No Flare Patrol													
0063	CULG	09	2231	2233	2237	N04	E66	4374	12	14.9	6	SN			2233	40	.8		
0064		10	0230*	02426	0302	S00	E62	4374	12	14.7	32	SN				50	1.2	E	
	PURP	10	0230	0242	0304	S01	E63	4374	12	14.8	34	SN			0242	52	1.2		
	YUNN	10	0244	0248	0300	N00	E62	4374	12	14.7	16	SF				47	1.1	E	
0065	LEAR	10	0308	0310	0321	S15	E20	4376	12	11.6	13	SF		3	C		53		
0066	LEAR	10	0421	0423	0443	S16	E20	4376	12	11.7	22	SF		3	C		43		
0067	LEAR	10	0843	0843	0847	S16	E18	4376	12	11.7	4	SF		3	C		27		
0068		10	10003	10006	1016	S17	E16	4376	12	11.6	16	SN				108	1.3		
	CATA	10	1000	1000	1020	S17	E13	4376	12	11.4	20	S		1	C	1000	169	1.9	
	LEAR	10	1001	1004	1013	S18	E14	4376	12	11.5	12	SF		3	C		91		
	ATHN	10	1003	1006	1014	S17	E20	4376	12	11.9	11	SN		3	V	1006	64	.7	
0069	RAMY	10	1134E		1229	S16	E12	4376	12	11.4	55D	SF		3	C		135		
0070	RAMY	10	1318	1321	1349	S15	E14	4376	12	11.6	31	SN		3	C		43	F	
0071	PALE	10	1931	1939	1944	S15	E09	4376	12	11.5	13	SF		3	C		65		

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																	(10 ⁻⁶ Disk)	Apparent Corr (Sq Deg)	
0072		11	12471	12504	1302	N07	E58	4374B	12	15.9	15	SB	C	1.1			98	1.6	H
	RAMY	11	1247	1252	1306	N07	E58	4374B	12	15.9	19	SB	C	1.1	3	C	128		
	WEND	11	1248	1250	1258	N08	E59	4374B	12	15.9	10	SB	C	1.1		C	40	.8	H
	ATHN	11	1249E	1254	1307D	N07	E58	4374B	12	15.9	18D	1B			2	V	1254	127	2.4
0073	RAMY	11	1813	1815	1821	S11	W56	4370	12	7.5	8	SN			3	C	19		
0074	LEAR	12	0001	0002	0014	S15	W05	4376	12	11.6	13	SF			3	C	26		
0075		12	0042	0045	0052	S13	E82	4378	12	18.2	10	1N					51		
	CULG	12	0042	0045	0051	S12	E84	4378	12	18.3	9	1N				C	0045	60	
	LEAR	12	0042	0048	0053	S14	E81	4378	12	18.1	11	SF			2	C	42		
0076	LEAR	12	0722	0723	0726	S10	W63	4370	12	7.6	4	SF			3	C	15		
		12	1320		1324	No Flare Patrol													
0077		12	19206	19262	1939	S16	W18	4376	12	11.4	19	SF					36		F
	RAMY	12	1920	1926	1941	S19	W17	4376	12	11.5	21	SF			3	C	38		F
	HOLL	12	1926	1928	1937	S14	W20	4376	12	11.3	11	SF			2	C	34		F
		12	2153		2158	No Flare Patrol													
0078	LEAR	13	0029E	0032	0038	N05	E20	4374	12	14.5	9D	SF			3	C	36		
0079		13	01403	01454	0210	S16	W20	4376	12	11.5	30	1B	C	2.9			160	2.2	
	PURP	13	0140	0145	0158	S17	W21	4376	12	11.5	18	1B				C	0145	190	2.2
	LEAR	13	0143	0149	0222	S14	W20	4376	12	11.5	39	SN	C	2.9	3	C	131		
0080		13	0145	0148	0212	S12	W22	4372	12	11.4	27	1N					200	3.6	F
	LEAR	13	0145	0148	0218	S12	W22	4372	12	11.4	33	SN			3	C	85		
	YUNN	13	0146E	0150	0205	S13	W21	4372	12	11.5	19D	1N				P	314	3.6	F
0081		13	0317*	0317*	0332	S16	E65	4378	12	18.1	15	SF					33	.8	F
	LEAR	13	0317	0317	0332	S17	E66	4378	12	18.1	15	SF			3	C	43		F
	YUNN	13	0318	0320	0325	S15	E64	4378	12	18.0	7	SN				C	31	.8	
	LEAR	13	0333	0336	0338	S16	E65	4378	12	18.1	5	SF			3	C	25		
		13	0837		0933	No Flare Patrol													
0082	KANZ	13	1105	1109	1112	S16	W25	4376	12	11.6	7	SF			1				E
0083	RAMY	13	1123E	1126	1135	S16	W26	4376	12	11.5	12D	SF			3	C	50		
0084	RAMY	13	1216	1219	1236	S16	W26	4376	12	11.5	20	SF			3	C	23		
		13	1404		1411	No Flare Patrol													
		13	1819		1835	No Flare Patrol													
		13	1845		1849	No Flare Patrol													
		13	1929		1936	No Flare Patrol													
		13	1953		2003	No Flare Patrol													
		13	2202		2205	No Flare Patrol													
0085		14	0129	01322	0148	S14	W36	4376	12	11.3	19	SN					40	.6	EF
	LEAR	14	0129	0132	0143	S14	W36	4376	12	11.3	14	SF			3	C	33		F
	YUNN	14	0130E	0134	0154	S14	W37	4376	12	11.3	24D	SN				P	47	.6	E
0086	HTPR	14	1232	1238	1253	S03	W50		12	10.8	21	SF				C	1238	20	.3
0087	HTPR	14	1400	1410	1420	S10	E80	4380	12	20.6	20	SF				C	1410	20	
0088		14	2043*	20572	2104	S16	W46	4376	12	11.4	21	SF					38		
	RAMY	14	2043	2057	2058D	S17	W46	4376	12	11.4	15D	SF			3	C	52		
	HOLL	14	2057	2059	2104	S14	W45	4376	12	11.5	7	SF			3	C	23		
0089		14	2344*	2347*	2410	S16	W46	4376	12	11.5	26	SF					54	.8	F
	CULG	14	2344	2349	2358	S17	W47	4376	12	11.4	14	SF				C	2349	50	.7
	LEAR	14	2345	2347	2419	S15	W46	4376	12	11.5	34	SN			3	C	52		F
	CULG	15	0005	0007	0014	S16	W46	4376	12	11.5	9	SF				C	0007	60	.9

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp (Min)	Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																	(10 ⁻⁶ Disk)	Apparent (Sq Deg)		Corr (Sq Deg)
0090		15	00281	0029	0036	S00	W04	4374	12	14.7	8	SF						58	.8	FJ
	CULG	15	0028	0029	0036	S01	W05	4374	12	14.6	8	SF		C	0029		80	.8	FJ	
	LEAR	15	0029	0029	0035	N00	W04	4374	12	14.7	6	SF		3	C		36		F	
0091		15	03103	03131	0320	N00	W05	4374	12	14.7	10	SF						32	.3	
	YUNN	15	0310	0314	0321	N00	W05	4374	12	14.7	11	SF		C			31	.3		
	LEAR	15	0313	0313	0320	N01	W05	4374	12	14.8	7	SF		3	C		32			
0092		15	03102	0312	0322	S24	W49		12	11.3	12	SF						45	1.0	FG
	CULG	15	0310	0312	0328	S26	W50		12	11.2	18	SF		C	0312		70	1.1	F	
	LEAR	15	0312	0312	0315	S23	W49		12	11.3	3	SF		3	C		19			
	YUNN	15	0314E	0314U	0314D	S22	W49		12	11.4	3D	SN		P	0314		47	.8	G	
0093	YUNN	15	0354	0401	0410	S09	E60	4380	12	19.7	16	SN		C			63	1.3		
0094		15	05172	05211	0543	S16	W52	4376	12	11.3	26	SN						53	.8	EF
	YUNN	15	0517	0521	0534	S15	W52	4376	12	11.3	17	SN		C			47	.8	E	
	LEAR	15	0519	0522	0552	S16	W51	4376	12	11.3	33	SF		3	C		59		F	
0095	YUNN	15	0517	0525	0550	S09	E61	4380	12	19.8	33	SN		C			47	1.0	D	
0096		15	0624	06286	0649	S09	E59	4380	12	19.7	25	1N						89	1.9	DE
	ABST	15	0624	0628	0648	S09	E58	4380	12	19.6	24	1N		C	0628		131	2.8	E	
	YUNN	15	0634E	0634	0650	S09	E60	4380	12	19.8	16D	SN		P			47	1.0	D	
0097	RAMY	15	1144E		1152	S15	E32	4378	12	17.9	8D	SF		3	C			30		
0098	RAMY	15	1324	1325	1348	S17	W54	4376	12	11.4	24	SF		3	C			26		
0099		15	14593	1502	1522	S10	E56	4380	12	19.8	23	SN	C 1.6					38		
	RAMY	15	1459	1502	1535	S09	E57	4380	12	19.9	36	SB	C 1.6	3	C			54		
	HOLL	15	1502	1502	1508	S11	E56	4380	12	19.8	6	SF	C 1.6	3	C			21		
0100		15	15401	15411	1545	S10	E56	4380	12	19.9	5	SN	C 4.5					16		
	RAMY	15	1540	1542	1545	S09	E57	4380	12	19.9	5	SN	C 4.5	3	C			17		
	HOLL	15	1541	1541	1545	S11	E56	4380	12	19.9	4	SF		3	C			14		
0101		15	16482	16491	1715	S10	E56	4380	12	19.9	27	SN						42		
	RAMY	15	1648	1649	1716	S09	E57	4380	12	20.0	28	SN		3	C			38		
	HOLL	15	1650	1650	1714	S11	E56	4380	12	19.9	24	SF		3	C			47		
0102	RAMY	15	1739	1746	1800	S09	E56	4380	12	19.9	21	SN		3	C			20		
0103		15	1841*	1843*	1901	S10	E56	4380	12	20.0	20	SF						32		
	HOLL	15	1841	1843	1847	S11	E55	4380	12	19.9	6	SF		3	C			18		
	HOLL	15	1852	1907	1915	S09	E57	4380	12	20.1	23	SF		3	C			47		
0104	CULG	16	0116	0118	0125	S18	W62	4376	12	11.3	9	SF		C	0118		60	1.2		
0105		16	04541	04562	0502	S10	E49	4380	12	19.9	8	SN						34	.6	F
	CULG	16	0454	0456	0501	S08	E48	4380	12	19.8	7	SF		C	0456		30	.4	F	
	LEAR	16	0455	0457	0502	S11	E49	4380	12	19.9	7	SN		3	C		32		F	
	PURP	16	0458E	0458	0502	S11	E51	4380	12	20.0	4D	SB		C	0458		39	.7		
0106	LEAR	16	0548	0549	0604	S15	W67	4376	12	11.2	16	SF		3	C			30		
		16	1014		1022	No Flare Patrol														
		16	1401		1408	No Flare Patrol														
0107	RAMY	16	1409E	1415	1456	S10	E44	4380	12	19.9	47D	SN		3	C			31		FH
0108		16	15371	15431	1559	S11	E44	4380	12	20.0	22	SB	C 8.9					57		EF
	RAMY	16	1537	1544	1602	S11	E43	4380	12	19.9	25	SB	C 8.9	3	C			67		FE
	HOLL	16	1538	1543	1556	S11	E44	4380	12	20.0	18	SN	C 8.9	3	C			47		F
0109		16	1604	16051	1615	S09	W68	4379	12	11.6	11	SN						32		
	HOLL	16	1604	1605	1609	S08	W67	4379	12	11.6	5	SF		3	C			24		
	RAMY	16	1604	1606	1621	S10	W68	4379	12	11.5	17	SN		3	C			41		

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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 ⁻⁶ Disk)	Corr (Sq Deg)	
0110		16	1756	1757	1811	S10	E44	4380	12	20.0	15	SN	C 1.8				48		F
	HOLL	16	1756	1757	1810	S11	E44	4380	12	20.0	14	SN	C 1.8	3	C		41		F
	RAMY	16	1756	1758	1812	S10	E44	4380	12	20.0	16	SN	C 1.8	3	C		54		
0111	PALE	16	1908	1909	1913	N01	W30	4374	12	14.5	5	SF		3	C		45		
0112	LEAR	16	2342	2348	2354	S14	E13	4378	12	18.0	12	SF		3	C		22		F
0113	CULG	17	0103	0105	0115	S26	E44		12	20.5	12	SF			C	0105	40	.6	
0114		17	0527	0529	0549	S12	E38	4380	12	20.1	22	SB	C 1.7				71	.6	
	LEAR	17	0527	0529	0557	S11	E37	4380	12	20.0	30	SB	C 1.7	3	C		96		
	PURP	17	0530E	0530	0541	S12	E38	4380	12	20.1	11D	SB	C 1.7		C	0530	46	.6	
0115		17	0608	0612	0634	S11	E37	4380	12	20.0	26	SN	C 1.8				72		FK
	LEAR	17	0608	0612	0634	S11	E37	4380	12	20.0	26	SF		3	C		63		K
	LEAR	17	0608	0621	0634	S11	E37	4380	12	20.0	26	SN	C 1.8	3	C		82		FK
0116		17	0735	0737*	0802	S10	E36	4380	12	20.0	27	SN	C 3.8				68	.7	DFK
	CULG	17	0735	0737	0750	S10	E35	4380	12	19.9	15	SN			C	0737	40	.4	
	ABST	17	0735	0738	0802	S08	E36	4380	12	20.0	27	SN			C	0738	87	1.1	DK
	LEAR	17	0736	0744	0814	S11	E36	4380	12	20.0	38	SF	C 3.8	3	C		94		F
	PURP	17	0738	0756	0803	S12	E37	4380	12	20.1	25	SB			C	0756	52	.7	
0117	LEAR	17	0910	0927	0956	S09	W75	4372	12	11.7	46	SF		3	C		45		
0118		17	1158	1214	1303	S11	E34	4380	12	20.0	65	SN	C 2.2				50		K
	RAMY	17	1158	1214	1303	S11	E34	4380	12	20.0	65	SF		3	C		26		K
	RAMY	17	1158	1222	1303	S11	E34	4380	12	20.0	65	SN	C 2.2	3	C		74		K
0119	RAMY	17	1400	1404	1419	S11	E33	4380	12	20.1	19	SB	C 2.6	3	C		94		
0120		17	1543*	1543*	1612	S11	E32	4380	12	20.1	29	SN	C 4.3				93		EFK
	RAMY	17	1543	1543	1612	S11	E33	4380	12	20.1	29	SF		4	C		19		K
	RAMY	17	1543	1600	1612	S11	E33	4380	12	20.1	29	SB	C 4.3	4	C		142		FEK
	HOLL	17	1556	1600	1611	S11	E31	4380	12	20.0	15	SN	C 4.3	3	C		119		F
0121		17	1834	1843	1914	S10	E30	4380	12	20.0	40	SB	C 7.8				119		EF
	RAMY	17	1834	1843	1908	S11	E30	4380	12	20.0	34	SB	C 7.8	3	C		101		FE
	PALE	17	1834	1843	1919	S10	E29	4380	12	19.9	45	SB	C 7.8	3	C		137		FE
0122		17	2034	2035	2047	S10	E28	4380	12	20.0	13	SN	C 2.2				103		F
	PALE	17	2033E	2035U	2046	S11	E28	4380	12	20.0	13D	SN	C 2.2	3	C		148		F
	RAMY	17	2034	2035	2048	S10	E27	4380	12	19.9	14	SN	C 2.2	3	C		58		
0123	PALE	17	2134	2136	2143	S10	E28	4380	12	20.0	9	SF		3	C		51		F
0124	PALE	17	2201	2202	2217	S11	E27	4380	12	19.9	16	SF		2	C		77		F
0125		17	2241	2245	2312	S11	E28	4380	12	20.0	31	SN	C 5.2				155	1.6	
	PALE	17	2226E	2252U	2324	S11	E28	4380	12	20.0	58D	SF	C 5.2	2	C		160		
	CULG	17	2241	2245	2259	S11	E28	4380	12	20.0	18	SB			C	2245	150	1.6	
		18	1055		1129	No Flare Patrol													
0126		18	1155	1157	1212	S07	E14	4380	12	19.5	17	SF					47	.6	F
	RAMY	18	1155	1157	1212	S07	E13	4380	12	19.5	17	SF		3	C		38		F
	CATA	18	1200E	1205	1245D	S07	E14	4380	12	19.5	45D	S		1	P	1205	56	.6	
0127	RAMY	18	1620	1622	1627	S11	E18	4380	12	20.0	7	SN	C 1.9	3	C		44		F
0128	LEAR	19	0314	0321	0323	S12	E06	4380	12	19.6	9	SF		3	C		28		
0129		19	0432*	0438*	0450	S10	E08	4380	12	19.8	18	SN					56	.8	F
	LEAR	19	0432	0438	0441	S10	E05	4380	12	19.6	9	SF		3	C		31		F
	CULG	19	0446	0451	0458	S11	E11	4380	12	20.0	12	SN			C	0451	80	.8	
0130	ABST	19	0836	0844	0901	S11	E05	4380	12	19.7	25	SN			C	0844	174	1.8	EK

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
																Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)		
0131	LEAR	19	0915	0925	0928	S12	E03	4380	12	19.6	13	SF	2	C		34			
			19 1401		1405	No Flare Patrol													
0132	RAMY	19	1407	1416	1420	S12	W01	4380	12	19.5	13	SF	3	C		23			
			19 1511		1530	No Flare Patrol													
0133	RAMY	19	1538	1546	1607	S12	E00	4380	12	19.6	29	SF	3	C		59			
			19 1723		1747	No Flare Patrol													
0134	RAMY	19	1809	1818	1851	S11	W01	4380	12	19.7	42	SF	3	C		44			
0135	PALE	19	2106	2111	2127	S11	W02	4380	12	19.7	21	SF	3	C		27		H	
0136	LEAR	20	0525	0530	0534	S12	W08	4380	12	19.6	9	SF	3	C		55		F	
0137		20	0552	0552	0606	S12	W10	4380	12	19.5	14	SF				34	.3	FV	
	LEAR	20	0552	0552	0607	S12	W10	4380	12	19.5	15	SF	3	C		39		F	
	MANI	20	0554E	0555U	0604	S11	W10	4380	12	19.5	10D	SF	1	V		28	.3	V	
0138		20	06562	07002	0705	S11	W09	4380	12	19.6	9	SF				70	.8	DFJV	
	LEAR	20	0656	0701	0704	S12	W09	4380	12	19.6	8	SF	3	C		67		F	
	MANI	20	0657	0700	0705	S10	W09	4380	12	19.6	8	SF	1	V		57	.6	V	
	ABST	20	0658	0702	0705	S11	W08	4380	12	19.7	7	SN		C	0702	87	.9	DJ	
			20 1401		1419	No Flare Patrol													
0139	RAMY	20	1519	1519	1548	S16	W36		12	17.9	29	SF	3	C		33		F	
0140	LEAR	21	0522	0523	0531	S12	W21	4380	12	19.6	9	SF	3	C		29		F	
0141	LEAR	21	0818	0820	0825	N21	W73	4374A	12	15.7	7	SF	3	C		22			
0142	LEAR	21	0841	0841	0852	N21	W73	4374A	12	15.8	11	SF	3	C		20			
0143	LEAR	21	0905	0906	0915	N20	W74	4374A	12	15.7	10	SF	3	C		24			
			21 1056		1104	No Flare Patrol													
			21 1121		1129	No Flare Patrol													
			21 1401		1441	No Flare Patrol													
			21 1608		1632	No Flare Patrol													
			21 1647		1842	No Flare Patrol													
			23 1111		1114	No Flare Patrol													
0144	LEAR	24	0326	0327	0330	S14	W61	4380	12	19.5	4	SF	3	C		30			
0145	HPR	24	1118	1122	1132	S14	W67	4380	12	19.4	14	SF		C	1122	20	.4		
0146	RAMY	24	1300	1300	1311	S14	W64	4380	12	19.7	11	SF	3	C		18			
0147	RAMY	24	1825	1825	1834	S13	W69	4380	12	19.6	9	SF	3	C		21			
			24 2117		2121	No Flare Patrol													
			24 2126		2227	No Flare Patrol													
0148	LEAR	25	0704	0709	0719	S13	W77	4380	12	19.5	15	SF	3	C		15			
			25 1005		1050	No Flare Patrol													
			25 1616		1623	No Flare Patrol													
			25 1649		1654	No Flare Patrol													
			25 2118		2119	No Flare Patrol													
			25 2142		2149	No Flare Patrol													
			25 2230		2235	No Flare Patrol													
			26 2132		2142	No Flare Patrol													
			27 1828		1842	No Flare Patrol													
			27 1907		1918	No Flare Patrol													

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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 ⁻⁶ Disk)	Corr (Sq Deg)	
			27	1945	2012	No Flare Patrol													
0149	CULG	27	2040	2041	2046	S22	E38		12	30.8	6	SF			C	2041	50	.6	J
0150		28	0946	0946	1004	N10	W03		12	28.2	18	SN					62	.6	FGH
	LEAR	28	0946	0946	0951	N10	W03		12	28.2	5	SF	2	C			62		F
	HTPR	28	0946	0947	1014	N10	W03		12	28.2	28	SN		C	0947		60	.6	G
	WEND	28	0947E		1006	N10	W04		12	28.1	19D	SN		C	0947		63	.7	H
0151		28	1512	1513	1520	N13	E34	4384	12	31.2	8	SN					61	.9	E
	RAMY	28	1512	1513	1520	N14	E34	4384	12	31.2	8	SN	3	C			42		
	HTPR	28	1512	1515	1521	N12	E34	4384	12	31.2	9	SN		C	1515		80	.9	E
			28	2031	2047	No Flare Patrol													
0152	LEAR	31	0627	0630	0645	N13	W05	4384	12	30.9	18	SF		2	C		90		U
			31	1401	1409	No Flare Patrol													

"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.</p> | <p>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.</p> |
|---|---|