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Sep 97

S O L A R F L A R E S

SEPTEMBER 1997

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)		
0001	LEAR	01	0358	0358	0401	N24	W14	8076	08 31.1	3	SF	3	E			19		
0002	KANZ	01	0701	0701	0701	N34	W10	8076	08 31.5	3	SF	2	C					
0003	KANZ	01	0749	0749	0753	N26	W26	8076	08 30.4	4	SF	2	C					
0004	KANZ	01	0917	0917	0933	N29	W17	8076	08 31.0	16	SF	2	C					
0005	KANZ	01	1337	1345	1349	N28	W30	8076	08 30.3	12	SF	2	C					
0006	KANZ	01	1501	1501	1509	N28	W31	8076	08 30.3	8	SF	2	C					
0007	KANZ	01	1553	1553	1601	N28	W31	8076	08 30.3	8	SF	2	C					
0008	KANZ	02	0622	0622	0626	N25	W44	8078	08 29.9	4	SF	2	C					
0009		02	06562	0658	0701	N29	W33	8076	08 30.8	5	SF					26		
	SVTO	02	0656	0658	0702	N29	W35	8076	08 30.6	6	SF	3	E			38		
	LEAR	02	0657	0658	0700	N30	W32	8076	08 30.9	3	SF	3	E			13		
	KANZ	02	0658	0658	0702	N29	W33	8076	08 30.8	4	SF	2	C					
0010		02	11422	11435	1148	N29	W36	8076	08 30.8	6	SF					11		
	RAMY	02	1142	1143	1147	N30	W36	8076	08 30.7	5	SF	3	E			12		
	KANZ	02	1144	1144	1148	N29	W36	8076	08 30.8	4	SF	2	C					
	SVTO	02	1144	1148	1150	N29	W37	8076	08 30.7	6	SF	3	E			10		
0011	KANZ	02	1228	1236	1244	N29	W36	8076	08 30.8	16	SF	2	C					
0012	RAMY	02	1529	1530	1536	N29	W35	8076	08 31.0	7	SF	3	E			13		
0013	SVTO	02	1638E	1638U	1649D	N29	W39	8076	08 30.7	11D	SF	3	E			19		
		02	1706		2003	No Flare Patrol												
		02	2053		2058	No Flare Patrol												
0014	HOLL	02	2114	2115	2121	N24	W36	8076	08 31.1	7	SF	3	E			37		
		02	2152		2215	No Flare Patrol												
		02	2223		2242	No Flare Patrol												
0015		02	2358	23581	2406	N32	W42	8076	08 30.8	8	SN					90	1.8	EFH
	LEAR	02	2358	2358	2409	N32	W41	8076	08 30.8	11	SF	3	E			56		FH
	MITK	02	2358	2359	2402	N31	W42	8076	08 30.8	4	SB		C	2359		125	1.8	E
0016		03	02081	0210	0217	N32	W43	8076	08 30.8	9	1N					114	1.9	EFH
	LEAR	03	0208	0210	0222	N32	W43	8076	08 30.8	14	1F	3	E			103		FH
	MITK	03	0209	0210	0212	N31	W43	8076	08 30.8	3	SN		C	0210		125	1.9	E
0017		03	06401	0641	0650	N32	W45	8076	08 30.8	10	SF					45		
	LEAR	03	0640	0641	0648	N33	W44	8076	08 30.9	8	SF	3	E			38		
	SVTO	03	0641	0641	0651	N30	W46	8076	08 30.8	10	SF	3	E			52		
0018	MEUD	03	0721E	0944	1157	S29	E62	8083	09 8.2	276D			C					KT
0019		03	09001	09021	0911	N29	W44	8076	08 31.0	11	SF					33	0.9	F
	MEUD	03	0900	0902	0914	N28	W44	8076	08 31.0	14	SF		C	0902		60	0.9	
	SVTO	03	0900	0903	0911	N28	W43	8076	08 31.0	11	SF	3	E			25		F
	LEAR	03	0901	0903	0907	N31	W44	8076	08 31.0	6	SF	3	E			15		
0020		03	14033	1407	1416	S27	E59	8083	09 8.2	13	SF					14		
	KANZ	03	1403	1407	1419	S27	E60	8083	09 8.3	16	SF	2	C					
	SVTO	03	1406	1407	1413	S27	E58	8083	09 8.1	7	SF	3	E			17		
	HOLL	03	1406	1407	1417	S27	E58	8083	09 8.1	11	SF	3	E			11		
0021		03	15112	15163	1538	N26	W48	8076	08 31.0	27	SF					36		F
	KANZ	03	1511	1519	1535D	N26	W50	8076	08 30.8	24D	SF	2	C					
	SVTO	03	1511	1519	1543	N28	W48	8076	08 31.0	32	SF	3	E			27		F
	RAMY	03	1512	1516	1536	N28	W48	8076	08 31.0	24	SF	3	E			53		F
	HOLL	03	1513	1516	1534	N24	W46	8076	08 31.1	21	SF	3	E			29		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks	
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0022	MEUD	03	1528E	1533	1552	S28	W44		08	31.2	24D	SN			C				
0023		03	1604	1608	1626D	S28	E58	8083	09	8.2	22D	SF				12			
	KANZ	03	1604	1608	1616D	S28	E60	8083	09	8.3	12D	SF	2	C					
	SVTO	03	1608E	1615U	1626D	S27	E57	8083	09	8.1	18D	SF	3	E		12			
0024	RAMY	03	1712	1713	1716	S27	E57	8083	09	8.1	4	SF	3	E		14			
		03	1925		2023	No Flare Patrol													
		03	2107		2126	No Flare Patrol													
		03	2140		2212	No Flare Patrol													
		03	2226		2303	No Flare Patrol													
0025	HOLL	03	2326E	2332	2335	S26	E57	8083	09	8.4	9D	SF	3	E		12			
0026	RAMY	04	1233	1233	1240	N28	W60	8076	08	30.9	7	SF	3	E		14			
		04	1719		1729	No Flare Patrol													
0027	HOLL	04	1854	1857	1859	S27	E45	8083	09	8.3	5	SF	3	E		18			
0028	HOLL	04	1900	1903	1920	S27	E43	8083	09	8.1	20	SF	3	E		30			
		04	2025		2035	No Flare Patrol													
0029	HOLL	04	2315	2315	2324	S28	E43	8083	09	8.3	9	SF	3	E		18			
0030	HOLL	05	0001	0008	0024	N23	E36	8082	09	7.8	23	SF	3	E		32			
		05	0102		0231	No Flare Patrol													
		05	0420		0435	No Flare Patrol													
		05	0515		0527	No Flare Patrol													
0031		05	1324	1324	1331	N28	W73	8076	08	30.9	7	SF				22			F
	SVTO	05	1324	1324	1329	N27	W75	8076	08	30.8	5	SF	3	E		23			F
	KANZ	05	1324	1324	1332	N28	W70	8076	08	31.1	8	SF	2	C					
	RAMY	05	1324	1325	1333	N28	W74	8076	08	30.9	9	SF	3	E		22			
0032	SVTO	05	1552	1552	1556	N20	E27	8082	09	7.7	4	SF	3	E		13			F
0033		05	1559	1600	1604	N20	E27	8082	09	7.7	5	SF				22			F
	RAMY	05	1559	1600	1604	N21	E27	8082	09	7.7	5	SF	3	E		23			
	SVTO	05	1559E	1600U	1605D	N20	E27	8082	09	7.7	6D	SF	3	E		21			F
0034		05	1925	1931	1946	N22	E23	8082	09	7.6	21	SF				48			
	HOLL	05	1925	1931	1942	N22	E23	8082	09	7.6	17	SF	3	E		43			
	RAMY	05	1925	1932	1950	N21	E23	8082	09	7.6	25	SF	3	E		53			
		05	1956		2015	No Flare Patrol													
		05	2136		2150	No Flare Patrol													
		05	2207		2253	No Flare Patrol													
		06	0020		0055	No Flare Patrol													
		06	0117		0148	No Flare Patrol													
		06	0203		0422	No Flare Patrol													
		06	0427		0459	No Flare Patrol													
0035		06	1118E	1118E	1126	N22	E17	8082	09	7.8	8	SF				15			F
	SVTO	06	1118	1118	1125	N21	E16	8082	09	7.7	7	SF	3	E		15			F
	KANZ	06	1120	1120	1128	N22	E18	8082	09	7.8	8	SF	2	C					
0036	KANZ	06	1137	1140	1204	N25	W86	8076	08	30.9	27	1F	2	C					
0037	HOLL	06	1736	1736	1740	S26	E86	8085	09	13.4	4	SF	3	E		18			
		06	2159		2202	No Flare Patrol													
		06	2221		2248	No Flare Patrol													
0038	SVTO	07	0611E	0615U	0621D	S24	E75	8085	09	13.0	10D	SF	2	E		68			H

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																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0039	LEAR	07	0614	0615	0619	S31	E77	8085	09	13.3	5	SF		3	E		58		H
0040	SVTO	07	0738	0740	0747	S24	E75	8085	09	13.1	9	SF		2	E		30		H
0041	SVTO	07	0945	0947	0951	S24	E73	8085	09	13.0	6	SF		2	E		21		
0042	SVTO	07	1336	1337	1356	N21	E00	8082	09	7.6	20	SF		3	E		33		F
0043	SVTO	07	1446	1447	1459	S25	E68	8085	09	12.9	13	SF		2	E		19		
0044	HOLL	07	1551	1551	1554	S24	E68	8085	09	12.9	3	SF		3	E		20		
0045	HOLL	07	1642	1644	1648	S24	E67	8085	09	12.9	6	SF		3	E		22		
0046		07	1709	17102	1715	S25	E66	8085	09	12.8	6	SF					22		
	RAMY	07	1709	1710	1714	S26	E64	8085	09	12.7	5	SF		3	E		18		
	HOLL	07	1709	1712	1716	S24	E67	8085	09	12.9	7	SF		3	E		25		
0047		07	17394	17417	1751	S25	E66	8085	09	12.8	12	SF					16		
	HOLL	07	1739	1741	1750	S24	E66	8085	09	12.8	11	SF		3	E		13		
	RAMY	07	1743	1748	1752	S26	E65	8085	09	12.8	9	SF		3	E		20		
0048	HOLL	07	1900	1901	1905	S24	E66	8085	09	12.9	5	SF		3	E		26		
0049		07	19163	19181	1922	S28	E06	8083	09	8.3	6	SF					18		
	HOLL	07	1916	1918	1921	S26	E05	8083	09	8.2	5	SF		3	E		13		
	RAMY	07	1919	1919	1924	S29	E06	8083	09	8.3	5	SF		3	E		23		
0050	HOLL	07	1920	1921	1928	S24	E66	8085	09	12.9	8	SF		3	E		33		
		08	0422		0454	No Flare Patrol													
		08	0514		0659	No Flare Patrol													
0051	MEUD	08	0717	0719	0721	S29	W02	8083	09	8.1	4	SF			C	0719	70	0.8	
0052	SVTO	08	0908	0915	0924	N23	E35	8084	09	11.1	16	SF		3	E		18		
0053	SVTO	08	1026	1027	1031	S25	E58	8085	09	12.9	5	SF		3	E		26		
0054	KANZ	08	1326	1326	1330	S24	E54	8085	09	12.7	4	SF		2	C				
0055		08	13584	14004	1410	S26	E58	8085	09	13.1	12	SF					36		F
	MEUD	08	1358	1400	1408	S25	E60	8085	09	13.2	10	SF			C				
	RAMY	08	1359	1402	1409	S27	E55	8085	09	12.9	10	SF		3	E		44		
	SVTO	08	1359	1402	1416	S27	E60	8085	09	13.2	17	SF		3	E		31		F
	HOLL	08	1359	1404	1410	S25	E56	8085	09	12.9	11	SF		3	E		33		
	KANZ	08	1402	1402	1406	S26	E59	8085	09	13.2	4	SF		2	C				
0056	MEUD	08	1419	1420	1436	N23	E35	8084	09	11.3	17	SF			C	1420	30	0.4	ET
0057	MEUD	08	1450	1503	1537	N23	E35	8084	09	11.3	47	SF			C	1503	50	0.6	ET
0058	KANZ	08	1518	1518	1554	S33	E79		09	14.9	36	SF		2	C				
0059	HOLL	08	1608	1609	1618	S25	E56	8085	09	13.0	10	SF		3	E		21		
0060	RAMY	08	1702	1702	1711	N21	E30	8084	09	11.0	9	SF		3	E		11		F
0061		08	1733	1738	1755	S26	E54	8085	09	12.9	22	SF					60		
	RAMY	08	1733	1738	1756	S26	E53	8085	09	12.8	23	SF		3	E		59		
	HOLL	08	1744E	1744U	1754	S25	E54	8085	09	12.9	10D	SF		3	E		62		
0062		08	1928	19324	2112	S28	W08	8083	09	8.2	104	SF					84		EF
	HOLL	08	1928	1932	2110	S28	W07	8083	09	8.3	102	SF		4	E		71		FE
	RAMY	08	1928	1936	2115	S27	W08	8083	09	8.2	107	SF		3	E		98		FE
0063		08	20272	2030	2033	N22	E30	8084	09	11.1	6	SF					19		
	RAMY	08	2027	2030	2033	N21	E29	8084	09	11.1	6	SF		3	E		20		
	HOLL	08	2029	2030	2033	N22	E30	8084	09	11.1	4	SF		3	E		18		

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF		CMP Mo	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement		Remarks	
						Region	Mo								Apparent (10-6 Disk)	Corr (Sq Deg)		
0064	LEAR	09	0911	0914	0922	N21 E24	8084	09	11.2	11	SF	3	E		13		F	
0065		09	0948	0951	1036	S22 E44	8085	09	12.8	48	1N				135		F	
	SVTO	09	0948	0951	1035	S20 E44	8085	09	12.8	47	1N	3	E		135		F	
	KANZ	09	0948	0952	1036	S24 E45	8085	09	12.9	48	1F	2	C					
0066		09	13523	13535	1414	S28 W18	8083	09	8.2	22	SF				14			
	HOLL	09	1352	1358	1418	S28 W17	8083	09	8.2	26	SF	3	E		14			
	RAMY	09	1353	1353	1414D	S27 W18	8083	09	8.2	21D	SF	3	E		13			
	SVTO	09	1353	1357	1413	S28 W18	8083	09	8.2	20	SF	3	E		15			
	KANZ	09	1355	1355	1411	S28 W18	8083	09	8.2	16	SF	2	C					
0067	RAMY	09	1516	1520	1527D	S23 E42	8085	09	12.9	11D	SF	3	E		22		F	
0068	RAMY	09	1751	1752	1755	S26 W19	8083	09	8.3	4	SF	3	E		18			
0069		09	18371	1842	1928	S24 E42	8085	09	13.0	51	1F				112		F	
	HOLL	09	1837	1842	1940	S25 E43	8085	09	13.1	63	1F	4	E		117		F	
	RAMY	09	1838	1842	1915	S23 E40	8085	09	12.8	37	1F	3	E		108		F	
0070	RAMY	09	1950	1953	1957	S29 E45	8085	09	13.3	7	SF	3	E		17			
0071	HOLL	09	2303	2305	2308	S27 W20	8083	09	8.4	5	SF	3	E		22			
0072		10	07583	07596	0814	S26 W29	8083	09	8.1	16	SF				48	1.4	F	
	MEUD	10	0758	0803	0820	S28 W25	8083	09	8.4	22	SF		C	0803	100	1.4	F	
	LEAR	10	0759	0759	0810	S23 W32	8083	09	7.9	11	SF	3	E		18			
	SVTO	10	0759	0803	0812	S24 W32	8083	09	7.9	13	SF	3	E		27		F	
	KANZ	10	0801	0805	0813	S27 W27	8083	09	8.2	12	SF	2	C					
0073	SVTO	10	0846	0846	0854	N20 E06	8084	09	10.8	8	SF	3	E		28			
0074		10	10076	10121	1026	S24 E30	8085	09	12.7	19	SN				50	0.6		
	MEUD	10	1007	1012	1027	S24 E31	8085	09	12.8	20	SN		C	1012	50	0.6		
	KANZ	10	1013	1013	1025	S25 E30	8085	09	12.7	12	SF	2	C					
0075	SVTO	10	1102	1102	1109	N19 E05	8084	09	10.8	7	SF	3	E		15			
0076	SVTO	10	1302	1304	1310	N19 E04	8084	09	10.8	8	SF	3	E		11			
0077	HOLL	10	1811	1813	1823	N22 E01	8084	09	10.8	12	SF	3	E		15			
		10	2312		2323	No Flare Patrol												
		11	0111		0140	No Flare Patrol												
		11	0202		0241	No Flare Patrol												
		11	0444		0445	No Flare Patrol												
0078		11	11521	1153	1201	S24 E20	8085	09	13.0	9	SF				25			
	SVTO	11	1152	1153	1201	S24 E22	8085	09	13.2	9	SF	3	E		25			
	KANZ	11	1153	1153	1201	S24 E17	8085	09	12.8	8	SF	2	C					
0079		11	13352	1337	1344	N22 W03	8084	09	11.3	9	SN				30	0.3		
	MEUD	11	1335	1337	1346	N23 W02	8084	09	11.4	11	SN		C	1337	30	0.3		
	KANZ	11	1337	1337	1341	N22 W04	8084	09	11.2	4	SF	2	C					
0080	HOLL	11	1621	1622	1627	N24 W07	8084	09	11.1	6	SF	3	E		28			
0081	HOLL	11	2243	2243	2249	N23 W08	8084	09	11.3	6	SF	3	E		11		H	
0082	HOLL	11	2323	2324	2327	N23 W08	8084	09	11.3	4	SF	3	E		32			
0083	LEAR	12	0028	0029	0031	N22 W16	8084	09	10.8	3	SF	3	E		10			
0084	LEAR	12	0211	0214	0217	N22 W17	8084	09	10.8	6	SF	3	E		16			
0085	KANZ	12	0800	0800	0804	S35 W14		09	11.2	4	SF	2	C					
0086	SVTO	12	1411	1420	1429	N22 W19	8084	09	11.1	18	SF	3	E		11			

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												Apparent (10-6 Disk)	Corr (Sq Deg)	
0087		12 1606	1607	1610	N24 W19	8084	09 11.2	4	SF			23		
	SVTO	12 1604E	1604U	1610D	N24 W20	8084	09 11.1	6D	SF	3 E		27		
	RAMY	12 1606	1607	1610	N23 W18	8084	09 11.3	4	SF	4 E		19		
0088	RAMY	12 1731	1732	1737	N23 W19	8084	09 11.3	6	SF	3 E		18		
0089	RAMY	12 1859	1900	1914	N23 W19	8084	09 11.3	15	SF	3 E		33		F
0090	RAMY	12 2008	2008	2016	N22 W20	8084	09 11.3	8	SF	3 E		17		
		12 2225		2248	No Flare Patrol									
0091		13 06281	06312	0638	N22 W25	8084	09 11.3	10	SF			14		F
	LEAR	13 0628	0631	0639	N24 W24	8084	09 11.4	11	SF	3 E		19		F
	SVTO	13 0629	0632	0638	N21 W26	8084	09 11.3	9	SF	3 E		10		
	KANZ	13 0629	0633	0637	N21 W25	8084	09 11.3	8	SF	2 C				
0092	SVTO	13 0629	0632U	0652D	N29 E61	8086	09 18.0	23D	SF	3 E		15		
0093	LEAR	13 0629	0632	0637	N22 E61	8086	09 17.9	8	SF	3 E		16		F
0094	SVTO	13 0653E	0653U	0730D	N29 E61	8086	09 18.1	37D	SF	3 E		20		
0095	MEUD	13 0812E	0836	0906	N23 W25	8084	09 11.4	54D	SF		C 0836	200	0.2	E
0096		13 0841	08421	0858	N27 E62	8086	09 18.2	17	SF			20		
	SVTO	13 0840E	0846U	0858D	N29 E60	8086	09 18.1	18D	SF	3 E		14		
	KANZ	13 0841E	0841U	0855D	N28 E64	8086	09 18.4	14D	SF	2 C				
	LEAR	13 0841	0842	0902	N23 E61	8086	09 18.1	21	SF	3 E		27		
	MEUD	13 0841	0843	0853	N28 E61	8086	09 18.1	12	SF		C			
0097	SVTO	13 0942E	0948U	0955D	N28 E60	8086	09 18.1	13D	SF	3 E		13		
0098	SVTO	13 1212	1215U	1227D	N22 W28	8084	09 11.3	15D	SF	3 E		15		
0099	SVTO	13 1524E	1531U	1542D	N10 E52	8086	09 17.5	18D	SF	2 E		30		
0100	RAMY	13 1531	1533	1542	N29 E58	8086	09 18.2	11	SF	4 E		26		
		13 2025		2212	No Flare Patrol									
		13 2237		2304	No Flare Patrol									
0101	LEAR	14 0254	0254	0258	S23 W79	8083	09 8.0	4	SF	3 E		27		
0102	SVTO	14 0629	0630	0645	S25 W18	8085	09 12.9	16	SF	3 E		27		F
0103	SVTO	14 0954	0955	0958	N28 E46	8086	09 18.0	4	SF	3 E		17		
0104		14 1057	1109U	1110	S25 W21	8085	09 12.8	13	SF			137		EFU
	KHAR	14 1057		1110	S24 W22	8085	09 12.7	13	SF	2 V				E
	SVTO	14 1057E	1116U	1158D	S25 W21	8085	09 12.8	61D	1F	3 E		183		F
	RAMY	14 1109E	1109U	1159D	S25 W19	8085	09 13.0	50D	SF	2 E		91		U
0105	RAMY	14 1355	1357	1406	N22 W42	8084	09 11.3	11	SF	3 E		10		
0106	RAMY	14 1701	1702	1708	N28 E43	8086	09 18.1	7	SF	3 E		27		F
0107	HOLL	14 2013	2022	2039	N22 W52	8084	09 10.8	26	SF	3 E		30		
0108	LEAR	15 0032	0033	0050	N28 E37	8086	09 17.9	18	SF	3 E		15		
0109	LEAR	15 0206	0213	0224	N22 W56	8084	09 10.8	18	SF	3 E		76		
0110	LEAR	15 0505	0506	0509	N28 E34	8086	09 17.9	4	SF	3 E		19		
0111		15 06414	0649*	0709	N21 W54	8084	09 11.1	28	SF			32		F
	SVTO	15 0641	0700	0710	N20 W53	8084	09 11.2	29	SF	2 E		15		F
	LEAR	15 0644	0652	0708	N22 W59	8084	09 10.7	24	SF	3 E		50		
	KANZ	15 0645	0649	0709	N21 W51	8084	09 11.4	24	SF	2 C				

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Grp #	Sta	Start Day (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)	
0112	MEUD	15 0707	0716	0722	N27	E36	8086	09 18.1	15	SF	C	0716	100	1.3	T
0113	MEUD	15 0734	0735	0744	N21	W51	8084	09 11.4	10	SF			48	0.9	FHT
	MEUD	15 0734	0736	0745	N23	W52	8084	09 11.3	11	SN	C	0736	50	0.9	T
	SVTO	15 0735	0735	0743	N20	W52	8084	09 11.3	8	SF	3 E		45		FH
	KANZ	15 0735E	0739	0743	N21	W49	8084	09 11.5	8D	SF	2 C				
0114	LEAR	15 0736	0736	0741	N22	W59	8084	09 10.8	5	SF	3 E		11		
0115	MEUD	15 0742	0759	0813	S27	W30	8085	09 13.0	31	1B	C	0759	200	2.8	
0116	MEUD	15 0801	0804	0851	N27	E36	8086	09 18.1	50	SF	C	0804	150	1.9	T
	LEAR	15 0803	0804	0810	N28	E33	8086	09 17.9	7	SF	3 E		29		
	SVTO	15 0803	0806U	0809D	N28	E37	8086	09 18.2	6D	SF	2 E		13		
0117	MEUD	15 1121	1127	1129	N27	E36	8086	09 18.3	8	SF	C	1127	60	0.8	T
	SVTO	15 1126	1134	1142	N27	E35	8086	09 18.2	16	SF	3 E		26		
0118	MEUD	15 1350	1355	1408	N23	W52	8084	09 11.6	18	SF	C	1355	30	0.5	T
	SVTO	15 1355	1356	1403	N21	W55	8084	09 11.4	8	SF	3 E		16		F
0119	HOLL	15 1352	1401	1409	N22	W62	8084	09 10.8	17	SF	3 E		46		
0120	HOLL	15 1358	1403	1416	N28	E33	8086	09 18.2	18	SN	3 E		76	0.8	HT
	MEUD	15 1358	1404	1408	N27	E36	8086	09 18.4	10	SN	C	1406	60	0.8	H
	SVTO	15 1403	1403	1407	N26	E33	8086	09 18.1	4	SF	3 E		21		T
0121	HOLL	15 1637	1637	1644	N28	E29	8086	09 17.9	7	SF	3 E		24		
0122	HOLL	15 1641	1642	1656	S25	W34	8085	09 13.1	15	SF	3 E		34		
0123	HOLL	15 1832	1837	1847	N28	E28	8086	09 18.0	15	SF	3 E		51		
	RAMY	15 1837	1837	1844	N28	E30	8086	09 18.1	7	SF	3 E		38		
0124	HOLL	15 2039	2045	2052	N28	E27	8086	09 18.0	13	SF	4 E		31		
0125	HOLL	15 2040	2123	2145	N19	W62	8084	09 11.1	65	SF	3 E		54		
0126	HOLL	15 2132	2132	2142	N28	E28	8086	09 18.1	10	SF	3 E		29		
		15 2154		2253	No Flare Patrol										
		16 0006		0303	No Flare Patrol										
0127	LEAR	16 0701	0702	0705	N22	W71	8084	09 10.8	4	SF	3 E		27		
	KANZ	16 0702	0702	0706	N21	W65	8084	09 11.3	4	SF	2 C		27		
0128	MEUD	16 1029	1031	1036	N23	W65	8084	09 11.4	7	SN	C				T
	KANZ	16 1030	1030	1034	N23	W65	8084	09 11.4	4	SF	2 C				T
0129	MEUD	16 1132	1135	1152	N30	E20	8086	09 18.0	20	SN	C	1135	120	1.4	
	KANZ	16 1134	1138	1146	N29	E21	8086	09 18.1	12	SF	2 C		120	1.4	
		16 2048		2123	No Flare Patrol										
0130	HOLL	16 2214	2215	2247	N21	W74	8084	09 11.2	33	SF	3 E		23		F
		17 0011		0026	No Flare Patrol										
		17 0031		0153	No Flare Patrol										
		17 0220		0502	No Flare Patrol										
0131	KANZ	17 1053	1053	1057	S24	W65	8085	09 12.4	4	SF	2 C				

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	NOAA/USAF			CMP Mo Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
					Lat	CMD	Region							Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0132		17 1137*	1141*	1207	N21	W82	8084	09 11.2	30	1N				78		AH	
	KANZ	17 1137	1141	1205	N20	W78	8084	09 11.5	28	1N		2	C				
	RAMY	17 1138E	1141U	1210	N21	W82	8084	09 11.2	32D	SN		3	E	78		H	
	HURB	17 1149	1154	1207	N22	W86	8084	09 10.9	18	1F						A	
0133	KANZ	17 1205	1217	1221	S24	W65	8085	09 12.5	16	SF		2	C				
0134	KANZ	17 1317	1317	1321	S24	W65	8085	09 12.5	4	SF		2	C				
0135		17 17291	17311	1736	S25	W70	8085	09 12.3	7	SF				30			
	HOLL	17 1729	1731	1736	S26	W70	8085	09 12.3	7	SF		3	E	41			
	RAMY	17 1730	1732	1735	S24	W70	8085	09 12.3	5	SF		3	E	19			
0136		17 1749	17509	1808	N22	W83	8084	09 11.4	19	SF				58		F	
	HOLL	17 1749	1750	1810	N21	W84	8084	09 11.3	21	SF		3	E	73		F	
	RAMY	17 1749	1759	1807	N22	W82	8084	09 11.4	18	SF		3	E	43		F	
		17 2012		2237	No Flare Patrol												
0137	MEUD	18 1416	1418	1422D	S25	W89		09 11.7	6D	SN							
		18 1732		2252	No Flare Patrol												
0138	LEAR	19 0147	0150	0153	S17	W88	8085	09 12.4	6	1F		3	E	141			
0139	MEUD	19 0859	0920	0957	S25	W90	8085	09 12.4	58								
0140	MEUD	19 1157		1323D	S25	W90	8085	09 12.5	86D								
0141	LEAR	20 0834	0834	0837	N28	W29	8086	09 18.1	3	SF		3	E	15			
		20 0956		1010	No Flare Patrol												
		20 1015		1041	No Flare Patrol												
		20 1924		1926	No Flare Patrol												
		20 2125		2140	No Flare Patrol												
		20 2144		2228	No Flare Patrol												
0142	KHAR	21 1017		1050	S44	E53		09 25.8	33	SF		2	V			D	
		21 1752		2237	No Flare Patrol												
		21 2318		2400	No Flare Patrol												
		22 0000		0017	No Flare Patrol												
0143	LEAR	22 0050	0051	0053	S25	E69	8087	09 27.4	3	SF		3	E	16			
		22 0423		0434	No Flare Patrol												
0144	LEAR	22 0446	0450	0454	S33	E45	8088	09 25.8	8	SF		3	E	11			
0145	LEAR	22 0530	0542	0552	S33	E44	8088	09 25.7	22	SF		3	E	27			
0146	SVTO	22 0546E	0549U	0557D	S53	E44	8088	09 26.0	11D	SF		3	E	11		F	
0147	LEAR	22 0607	0625	0635	S33	E44	8088	09 25.7	28	SF		3	E	49			
0148	SVTO	22 0612E	0645U	0646D	S28	E47	8088	09 25.9	34D	SF		3	E	29		F	
0149	LEAR	22 0639	0644	0648	S32	E40	8088	09 25.4	9	SF		3	E	20			
0150	SVTO	22 0747	0758	0834	S28	E46	8088	09 25.9	47	SF		3	E	25		F	
0151		22 0907	0846*	0930	S30	E44	8088	09 25.8	23	1N				177	5.0	KT	
	MEUD	22 0805E	0846	0932	S29	E45	8088	09 25.9	87D	2N			C	0846	300	5.6	KT
	MEUD	22 0805E	0912	0932	S29	E45	8088	09 25.9	87D	1N			C	0912	230	4.3	KT
	LEAR	22 0907	0912	0927	S32	E41	8088	09 25.6	20	SF		3	E	66			
	SVTO	22 0912E	0913U	0936D	S28	E46	8088	09 26.0	24D	1N		3	E	113			
0152	MEUD	22 1025	1039	1103	S29	E45	8088	09 26.0	38	SN			C	1039	100	1.7	T

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Grp #	Sta	Start Day	Start (UT)	Max (UT)	End (UT)	NOAA/USAF			Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement		Remarks			
						Lat	CMD	Region						CMP Mo	Day		Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)
0153		22	1122	1123	1128	S20	E66	8087	09	27.5	6	SF			17		E		
	MEUD	22	1122	1123	1128	S21	E66	8087	09	27.5	6	SF		C			E		
	RAMY	22	1122	1123U	1129	S20	E65	8087	09	27.4	7	SF	3	E		17			
0154	RAMY	22	1412E	1418U	1451	S28	E43	8088	09	25.9	39D	SF	3	E		56			
0155	HOLL	22	1640	1643	1645	S28	E42	8088	09	26.0	5	SF	3	E		13			
0156	HOLL	22	1811	1814	1824	S28	E40	8088	09	25.9	13	SF	3	E		54			
0157	HOLL	22	2106	2107	2110	S29	E42	8088	09	26.2	4	SF	3	E		11			
0158	LEAR	23	0317	0319	0322	S29	E38	8088	09	26.1	5	SF	3	E		12			
0159	LEAR	23	0325	0326	0331	S29	E38	8088	09	26.1	6	SF	3	E		11			
0160	LEAR	23	0341	0346	0354	S29	E38	8088	09	26.1	13	SF	3	E		18			
0161	LEAR	23	0354	0356	0402	S29	E38	8088	09	26.1	8	SF	3	E		18			
0162	URUM	23	0418	0426	0437	S27	E33	8088	09	25.7	19	SN		P		48	0.7	D	
0163	URUM	23	0447	0457	0513	S27	E32	8088	09	25.7	26	SN		P		32	0.5	D	
0164	LEAR	23	0707	0710	0717	S29	E36	8088	09	26.1	10	SF	3	E		11			
0165	MEUD	23	0905E	0935	0947	S28	E30	8088	09	25.7	42D	SF		C	0935	30	0.4	DT	
0166	MEUD	23	0948	0956	1000	S28	E30	8088	09	25.7	12	SF		C	0956	50	0.7	T	
0167		23	15473	15522	1600	S28	E30	8088	09	26.0	13	SF				27	0.7	FT	
	MEUD	23	1547	1554	1559	S28	E30	8088	09	26.0	12	SN		C	1554	50	0.7	T	
	RAMY	23	1550	1552	1601	S28	E28	8088	09	25.8	11	SF	3	E		18			
	HOLL	23	1550	1553	1559	S29	E32	8088	09	26.2	9	SF	3	E		13		F	
0168	HOLL	23	1845	1846	1850	S29	E30	8088	09	26.1	5	SF	3	E		14		F	
0169	HOLL	23	1903	1908	1921	S28	E29	8088	09	26.1	18	SF	3	E		22			
																			23
		23	2201		2228														
0170	LEAR	24	0247	0247	0309	S31	E19	8088	09	25.6	22	1B	3	E		167			
0171		24	05304	0534*	0550	S28	E18	8088	09	25.6	20	SN				44	0.7	E	
	URUM	24	0530	0544	0558	S28	E21	8088	09	25.9	28	SB		P		48	0.7	E	
	LEAR	24	0534	0534	0543	S29	E15	8088	09	25.4	9	SF	3	E		39			
0172		24	06563	06596	0716	S29	E20	8088	09	25.8	20	SN				107	1.9	DT	
	LEAR	24	0656	0700	0716	S29	E15	8088	09	25.5	20	SF	3	E		35			
	MEUD	24	0656	0705	0718	S29	E21	8088	09	25.9	22	SN		C	0705	140	1.8	T	
	KANZ	24	0659	0659	0715	S29	E24	8088	09	26.2	16	SN	2	C					
	URUM	24	0702E	0703	0715	S28	E21	8088	09	25.9	13D	SB		P		145	2.0	D	
0173		24	0847*	09112	0926	S29	E22	8088	09	26.1	39	SN				50	0.6	T	
	MEUD	24	0847	0913	0919	S29	E21	8088	09	26.0	32	SN		C	0849	50	0.6	T	
	KANZ	24	0911	0911	0927	S30	E23	8088	09	26.2	16	SN	2	C					
	MEUD	24	0920E		0933	S29	E21	8088	09	26.0	13D			C					
0174	LEAR	24	0911	0913	0923	S29	E13	8088	09	25.4	12	SN	3	E		42			
0175		24	10221	10273	1033	S30	E22	8088	09	26.2	11	SF				100	1.3	T	
	MEUD	24	1022	1030	1033	S30	E20	8088	09	26.0	11	SF		C	1030	100	1.3	T	
	KANZ	24	1023	1027	1035D	S30	E23	8088	09	26.2	12D	SF	2	C					
0176		24	11012	11047	1120	S29	E19	8088	09	25.9	19	1N				187	3.5	EFT	
	URUM	24	1101	1104	1113	S27	E18	8088	09	25.9	12	1B		P		289	3.8	E	
	MEUD	24	1101	1104	1123	S30	E20	8088	09	26.0	22	1B		C	1104	250	3.2	T	
	RAMY	24	1103E	1110U	1121	S28	E18	8088	09	25.9	18D	SF	3	E		21		F	
	KANZ	24	1103	1111	1123	S30	E21	8088	09	26.1	20	SF	2	C					

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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)		
0177	MEUD	24	1425	1427	1430	S25	E49	8087	09 28.4	5	SF				C	1427	20	0.3	D
0178		24	1825	1831	1854	S29	E16	8088	09 26.0	29	1N						166		EF
	HOLL	24	1825	1831	1854	S29	E15	8088	09 25.9	29	1N		3	E			172		E
	RAMY	24	1827	1831	1855	S29	E16	8088	09 26.0	28	1N		3	E			160		F
		24	2159		2228	No Flare Patrol													
0179		24	2315	2315	2320	S28	E09	8088	09 25.7	6	SF						12		F
	HOLL	24	2315	2315	2320	S28	E12	8088	09 25.9	5	SF		3	E			11		F
	LEAR	24	2316	2317	2322	S29	E06	8088	09 25.4	6	SF		3	E			12		
0180	LEAR	25	0038	0040	0046	S29	E05	8088	09 25.4	8	SF		3	E			29		
0181		25	0319*	0327*	0346	S29	E06	8088	09 25.6	27	SN						70	1.5	E
	LEAR	25	0319	0327	0345	S29	E04	8088	09 25.4	26	SN		3	E			83		
	URUM	25	0322	0330	0342	S29	E10	8088	09 25.9	20	SN			P			113	1.5	E
	LEAR	25	0346	0346	0350	S29	E04	8088	09 25.5	4	SF		3	E			13		
0182		25	1143	1149	1218	S28	E04	8088	09 25.8	35	1N						169	0.3	EFH
	MEUD	25	1143	1149	1209	S28	E05	8088	09 25.9	26	1N			C	1149		250	0.3	
	SVTO	25	1143	1154	1223	S27	E02	8088	09 25.6	40	1N		3	E			135		FH
	RAMY	25	1144E	1157U	1213	S27	E04	8088	09 25.8	290	1F		3	E			122		FE
	KANZ	25	1204E	1204U	1228	S29	E04	8088	09 25.8	240	1N		2	C					
0183		26	0315	0318	0343	S26	W08	8088	09 25.5	28	SN		3	E			99	2.9	EF
	LEAR	26	0315	0318	0343	S26	W08	8088	09 25.5	28	SN		3	E			99	2.9	F
	URUM	26	0317	0319	0337	S29	W08	8088	09 25.5	20	1B			P			225	2.9	E
		26	1952		2003	No Flare Patrol													
0184	MEUD	28	0954		0956D	S30	W30	8088	09 26.0	2D	SF				C				
0185	KANZ	29	1129	1129U	1129D	S26	W15		09 28.3	2D	SF		2	C					
0186		29	1231	1232	1235	S31	W50	8088	09 25.6	7	SF						27		H
	MEUD	29	1231	1232	1235	S30	W50	8088	09 25.6	4	SF			C					
	RAMY	29	1234	1235	1239	S31	W52	8088	09 25.4	5	SF		4	E			27		H
	KANZ	29	1237	1237	1241	S32	W49	8088	09 25.6	4	SF		2	C					
0187	MEUD	29	1253	1255	1300	S25	W19		09 28.1	7	SF			C	1255		400	0.5	E
0188		29	1623	1625	1636	S32	W52	8088	09 25.6	13	SN						67		F
	RAMY	29	1623	1625	1635	S32	W52	8088	09 25.6	12	SF		4	E			64		F
	HOLL	29	1623	1625	1636	S33	W53	8088	09 25.5	13	SN		3	E			70		F

"Remarks"

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|---|---|
| <p>A = Eruptive prominence whose base is less than 90 degrees 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 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.</p> |
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Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual