Hα S O L A R F L A R E S

OCTOBER 2002

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	LEAR	01	0501	0505	0515	S20	E29	10137	10	3.4	14	SF		2	E		15		F
0002		01	0857	08571	0910	S19	E30	10137	10	3.7	13	SF					12		
	LEAR	01	0857	0857	0910	S18	E32	10137	10	3.8	13	SF		2	E		12		
	KANZ	01	0857	0858	0911	S20	E27	10137	10	3.4	14	SF		2	E				
0003	KANZ	01	1119	1120	1139	N11	W03	10138	10	1.2	20	SF		2	E				
0004	LEAR	01	1413E	1413U	1448	S30	W03	10137	10	1.3	35D	SF		3	E		14		F
0005	KANZ	02	0630E	0635U	0704	N11	W14	10138	10	1.2	34D	SF		2	E				
0006		02	0656	0656	0700	S19	E17	10137	10	3.6	4	SF					22		
	KANZ	02	0656	0656	0659	S20	E14	10137	10	3.3	3	SF		2	E				
	LEAR	02	0656	0656	0701	S18	E20	10137	10	3.8	5	SF		3	E		22		
0007	LEAR	02	0730	0734	0736	S18	E20	10137	10	3.8	6	SF		3	E		16		F
0008	KANZ	02	1209	1217	1236	S19	E12	10137	10	3.4	27	SF		2	E				
0009	LEAR	02	1209E	1217	1237	S18	E17	10134	10	3.8	28D	SF		3	E		21		F
0010	RAMY	02	1538E	1632U	1643D	S15	E17	10137	10	3.9	65D	SF		3	E		23		F
0011	HOLL	02	1912	1915	1938	S19	E14	10137	10	3.9	26	SF		3	E		21		
0012	LEAR	03	0111	0111	0115	S19	E07	10137	10	3.6	4	SF		3	E		18		F
0013	LEAR	03	0119	0120	0123	N29	W79	10129	09	27.0	4	SF		3	E		13		F
0014	LEAR	03	0130	0131	0133	N29	W80	10129	09	26.9	3	SF		3	E		20		F
0015	LEAR	03	0138	0144	0158	S19	E07	10137	10	3.6	20	SF		3	E		16		F
0016	LEAR	03	0159	0221	0301	S19	E06	10137	10	3.5	62	1N		3	E		115		F
0017	KHAR	03	0956U		1009	N17	E66		10	8.4	13U	SN		2	P	0958	40		DO
0018	KHAR	03	1006	1008	1017	S03	E83		10	9.6	11	SN		2	P	1012	50		HO
0019	KHAR	03	1010U		1023	S20	E02	10137	10	3.6	13U	SF		2	P	1012	65		E
0020	KANZ	03	1150	1150	1153	N11	W33	10138	10	1.0	3	SF		2	E				
0021	RAMY	03	1213E	1213U	1358D	S17	E06	10137	10	4.0	105D	SF		3	E		28		F
0022		03	1239	1244	1324	N08	W34	10134	10	1.0	45	SF					79		FH
	RAMY	03	1238E	1243U	1340	N09	W33	10134	10	1.0	62D	SF		3	E		79		FH
	KANZ	03	1239	1244	1308	N07	W34	10134	10	1.0	29	SF		2	E				
0023	KANZ	03	1241	1245	1301	S19	E01	10137	10	3.6	20	SF		2	E				
0024	RAMY	03	1530	1530	1549D	S16	E90		10	10.5	19D	SB		3	E		79		EF
		03	1751		1803	No Flare Patrol													
		03	1807		1814	No Flare Patrol													
0025	LEAR	04	0041	0045	0107	S19	W07	10137	10	3.5	26	SF		3	E		83		F
0026	LEAR	04	0139	0139	0142	N08	E63	10139	10	8.8	3	SF		3	E		10		
0027	LEAR	04	0420	0425	0446	S20	W09	10137	10	3.5	26	SF		2	E		74		F
0028	LEAR	04	0421	0430	0501	N10	E55	10139	10	8.3	40	SF		2	E		44		FH
0029		04	0536E	0537U	0606	S19	W09	10137	10	3.5	30D	1N					120		EF
	LEAR	04	0536E	0537U	0606	S19	W09	10137	10	3.5	30D	1N		2	E		166		FE
	SVTO	04	0542E	0542U	0550D	S19	W09	10137	10	3.5	8D	SF		2	E		75		F
		04	0703		0811	No Flare Patrol													

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0030		04	0845	0847	0852	N10	E54	10139	10	8.4	7	SF					30		
	LEAR	04	0845	0847	0855	N09	E54	10139	10	8.4	10	SF		2	E		35		
	SVTO	04	0846E	0846U	0850	N10	E55	10139	10	8.5	4D	SF		2	E		24		
0031	LEAR	04	0909	0913	0916	N11	E55	10139	10	8.5	7	SF		1	E		22		
0032		04	0859	09101	0918	S20	W14	10137	10	3.3	19	SF					26		F
	LEAR	04	0859	0910	0921	S20	W14	10137	10	3.3	22	SF		1	E		38		F
	SVTO	04	0910E	0911	0915	S19	W13	10137	10	3.4	5D	SF		3	E		13		
0033	SVTO	04	1026	1031	1045	N07	E50	10139	10	8.2	19	SF		3	E		68		FH
0034		04	1058	1105	1136	S20	W13	10137	10	3.5	38	1N					112		F
	RAMY	04	1037E	1112U	1140	S20	W10	10137	10	3.7	63D	1N		3	E		128		F
	SVTO	04	1058	1105	1131	S19	W16	10137	10	3.2	33	SF		3	E		96		F
0035	SVTO	04	1216	1221	1224	N09	E55	10139	10	8.6	8	SF		3	E		51		
0036	SVTO	04	1245	1250	1313	N08	E49	10139	10	8.2	28	1F		3	E		109		FH
0037	RAMY	04	1254E	1254U	1319D	N16	E53	10139	10	8.5	25D	1F		3	E		120		F
0038	SVTO	04	1307	1310	1314	S18	W16	10137	10	3.3	7	SF		3	E		12		
0039	RAMY	04	1338E	1340U	1348D	N16	E52	10139	10	8.5	10D	SF		3	E		44		F
0040	HOLL	04	1552	1554	1613	S19	W13	10137	10	3.7	21	SF		3	E		50		FH
0041	HOLL	04	1708	1709	1726	S21	W16	10137	10	3.5	18	SF		3	E		52		F
0042	HOLL	04	1911	1913	1922	N14	E47	10139	10	8.3	11	SF		4	E		28		FU
0043	HOLL	04	2003	2005	2021	N12	E46	10139	10	8.3	18	SF		3	E		27		
0044	HOLL	04	2235	2243	2308	N13	E43	10139	10	8.2	33	SF		3	E		80		FU
0045	HOLL	04	2335	2335	2350	S21	W19	10137	10	3.5	15	SF		3	E		25		F
0046	LEAR	05	0134	0136	0151	S16	W24	10137	10	3.2	17	SF		3	E		42		F
0047	LEAR	05	0237	0237	0244	S18	W20	10137	10	3.6	7	SF		3	E		31		F
0048	LEAR	05	0249	0300	0328	N10	E42	10139	10	8.3	39	SF		3	E		54		F
0049	LEAR	05	0354	0356	0400	N16	W58	10134	09	30.8	6	SF		3	E		36		F
0050	SVTO	05	0631E	0631U	0635D	N12	E44	10139	10	8.6	4D	SF		2	E		10		
		05	0703		0704	No Flare Patrol													
0051	SVTO	05	0725E	0727U	0731D	N08	E44	10139	10	8.6	6D	SF		2	E		34		
0052		05	0730E	0732U	0739	S18	W24	10137	10	3.5	9D	SF					20		
	SVTO	05	0730E	0732U	0736D	S17	W25	10137	10	3.4	6D	SF		2	E		20		
	KANZ	05	0730E	0732U	0739	S19	W23	10137	10	3.5	9D	SF		2	E				
0053		05	0753E	0753U	0801	N08	E38	10139	10	8.2	8D	SF					18		
	SVTO	05	0753E	0753U	0756D	N07	E38	10139	10	8.2	3D	SF		2	E		18		
	KANZ	05	0754E	0754U	0801	N10	E37	10139	10	8.1	7D	SF		2	E				
0054	KANZ	05	0853	0857	0909	S19	W23	10137	10	3.6	16	SF		2	E				
		05	1023		1027	No Flare Patrol													
0055	KANZ	05	1042	1042	1053D	S20	W25	10137	10	3.5	11D	SN		2	E				
0056	RAMY	05	1049E	1106	1117	S21	W25	10137	10	3.5	28D	SF		3	E		44		F

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0057		05	1131	1132	1141	S19	W24	10137	10	3.6	10	SF					22		F
	KANZ	05	1131	1132	1138	S19	W24	10137	10	3.6	7	SF		2	E				
	RAMY	05	1131	1132	1144	S19	W23	10137	10	3.7	13	SF		3	E		22		F
0058	KANZ	05	1149	1152	1202	N09	W64	10138	09	30.7	13	SF		2	E				
0059	RAMY	05	1722	1727	1734	N14	E33	10139	10	8.2	12	SF		3	E		23		F
0060	HOLL	05	2047	2105	2127	N14	E31	10139	10	8.2	40	1F		3	E		107		FU
0061	LEAR	06	0438	0510	0516	S20	W37	10137	10	3.4	38	SF		2	E		36		H
0062	LEAR	06	0450	0452	0500	N12	E31	10139	10	8.5	10	1N		2	E		108		EH
0063	KANZ	06	1008	1010	1023	N09	E29	10139	10	8.6	15	SF		2	E				
0064	SVTO	06	1153E	1153U	1205D	N07	E30	10139	10	8.7	12D	SF		2	E		65		F
		07	0956		1037	No Flare Patrol													
0065	RAMY	07	1553	1555	1608	S12	E41	10140	10	10.7	15	SF		3	E		34		F
		07	1853		1857	No Flare Patrol													
		07	1931		1948	No Flare Patrol													
		07	1953		2100	No Flare Patrol													
		07	2118		2233	No Flare Patrol													
0066	LEAR	08	0327	0327	0338	N10	E00	10139	10	8.1	11	SF		3	E		16		
0067	LEAR	08	0711	0714	0733	S07	E23	10140	10	10.0	22	SF		3	E		23		U
0068	LEAR	08	0743	0746	0756	N12	W02	10139	10	8.2	13	SF		3	E		41		F
0069		08	15012	15021	1511	N10	E01	10139	10	8.7	10	SF					26		F
	SVTO	08	1501	1502	1512	N09	E01	10139	10	8.7	11	SF		3	E		34		
	RAMY	08	1503	1503	1510	N10	E01	10139	10	8.7	7	SF		3	E		17		F
		08	1627		2125	No Flare Patrol													
0070		08	23251	2326	2339	N12	W08	10139	10	8.4	14	SF					58		F
	LEAR	08	2325	2326	2342	N12	W06	10139	10	8.5	17	SF		3	E		74		F
	HOLL	08	2326	2326	2336	N11	W11	10139	10	8.1	10	SF		3	E		43		F
0071	LEAR	09	0426	0427	0429	S17	W52	10143	10	5.2	3	SF		3	E		21		F
0072	LEAR	09	0643	0644	0649	S11	E18	10140	10	10.6	6	SF		3	E		16		F
		09	0943		1037	No Flare Patrol													
		10	0959		1006	No Flare Patrol													
		10	1014		1028	No Flare Patrol													
		10	1042		1119	No Flare Patrol													
0073	RAMY	10	1257	1259	1305	N16	E53	10145	10	14.5	8	SF		3	E		17		F
0074	RAMY	10	1321	1323	1330	S18	W68	10143	10	5.4	9	SF		3	E		11		
0075	HOLL	10	1409	1412	1415	N13	W24	10139	10	8.8	6	SF		3	E		12		
0076		10	2324	2325	2331	N16	E61	10149	10	15.6	7	SF					38		
	LEAR	10	2324	2325	2331	N14	E61	10149	10	15.6	7	SF		3	E		37		
	HOLL	10	2324	2325	2331	N17	E61	10149	10	15.6	7	SF		3	E		40		
0077	LEAR	11	0153	0154	0202	N09	W36	10139	10	8.4	9	SF		3	E		18		F
0078	LEAR	11	0435	0439	0447	N09	W38	10139	10	8.3	12	SF		3	E		22		F
0079	LEAR	11	0832	0833	0844	N12	W38	10139	10	8.5	12	SF		3	E		31		F
0080	LEAR	11	0934	0936	0939	N09	W41	10139	10	8.3	5	SF		2	E		19		

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		11	0942		0945	No Flare Patrol													
		11	0955		1230	No Flare Patrol													
0081	RAMY	11	1421	1421	1426	N14	E53	10149	10	15.6	5	SF		3	E		12		
0082	RAMY	11	1705	1716U	2105D	S17	W80	10143	10	5.6	240D	SF		3	E		12		HT
0083		11	2337	23371	2348	N08	W47	10139	10	8.5	11	SF					16		F
	HOLL	11	2337	2337	2345	N08	W47	10139	10	8.5	8	SF		3	E		12		F
	LEAR	11	2337	2338	2350	N09	W47	10139	10	8.4	13	SF		2	E		21		F
		12	1001		1009	No Flare Patrol													
		12	1013		1023	No Flare Patrol													
		12	1032		1052	No Flare Patrol													
		12	1137		1154	No Flare Patrol													
		12	1524		1558	No Flare Patrol													
		12	1623		2019	No Flare Patrol													
		12	2025		2320	No Flare Patrol													
0084	VORO	12	2336	2342	2408	N05	W46		10	9.5	32	SF		3	C	2342	99	1.5	
		13	1001		1153	No Flare Patrol													
		13	1306		1342	No Flare Patrol													
0085	RAMY	13	1402	1403	1409	N18	E23	10149	10	15.3	7	SF		3	E		12		F
0086	RAMY	13	1750	1759U	2132D	S07	W54	10150	10	9.7	222D	1F		3	E		159		FT
		13	1811		2229	No Flare Patrol													
0087	VORO	14	0002	0013	0044U	S12	W75		10	8.3	42U	1N		3	C	0013	179	6.4	
0088	LEAR	14	0020E	0020	0052	S13	E75	10159	10	19.7	32D	SF		2	E		75		F
0089	LEAR	14	0246	0248	0315	N10	E11	10145	10	14.9	29	SF		3	E		58		F
0090	LEAR	14	0931	0935	0958	S13	E60	10159	10	18.9	27	1F		2	E		147		FH
0091	SVTO	14	0937	0940	0957	S14	E62	10159	10	19.1	20	SF		3	E		24		FH
0092	KHAR	14	0940E		1010	S08	E62	10158	10	19.0	30D	1F		2	P	0950	220		ELO
0093	KHAR	14	1013	1014	1020	S03	E90		10	21.1	7	SF		2	P				HO
0094	HOLL	14	1958	2002	2026	S10	W55	10140	10	10.7	28	SF		3	E		58		
0095	RAMY	14	2022	2023	2030	S10	W71	10150	10	9.5	8	SF		3	E		51		
0096	LEAR	14	2319	2328	2338	N13	E05	10149	10	15.3	19	SF		3	E		18		F
0097	LEAR	15	0516	0516	0520	N14	E05	10149	10	15.6	4	SF		3	E		67		F
0098	RAMY	15	1325	1326	1337	S11	W64	10140	10	10.7	12	SF		3	E		20		F
0099		15	14101	14143	1458	N20	W04	10149	10	15.3	48	1N					114		FH
	RAMY	15	1410	1414	1511	N20	W04	10149	10	15.3	61	SN		3	E		93		FH
	SVTO	15	1411	1417	1444	N20	W04	10149	10	15.3	33	1F		3	E		134		F
0100	HOLL	15	1713	1714	1721	S10	W64	10140	10	10.9	8	SF		3	E		36		
0101	LEAR	16	0313	0314	0322	S20	E37	10160	10	19.0	9	SF		3	E		41		F
0102	LEAR	16	0422	0427	0433	S12	W87	10150	10	9.6	11	SF		3	E		61		
0103	RAMY	16	1149	1149	1153	S20	E32	10160	10	18.9	4	SF		3	E		13		
0104	HOLL	16	1445	1446	1451	N13	W14	10149	10	15.5	6	SF		3	E		30		F
0105	HOLL	16	1522	1527U	1534	N14	W13	10149	10	15.6	12	SF		3	E		11		

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		16	1724		1809	No Flare Patrol													
0106	RAMY	16	1842	1842	1846D	S21	E21	10157A	10	18.4	4D	SF		3	E		116		
		16	1852		1919	No Flare Patrol													
		16	1937		1944	No Flare Patrol													
0107	LEAR	17	0358	0400	0412	S05	E21	10158	10	18.7	14	SF		3	E		29		F
0108	LEAR	17	0415	0419	0422	S05	E20	10158	10	18.7	7	SF		3	E		20		F
0109		17	1143	1144	1224	S04	E16	10158	10	18.7	41	SF					56		F
	SVTO	17	1143	1144	1221	S04	E16	10158	10	18.7	38	SF		3	E		66		F
	RAMY	17	1143	1144	1226	S04	E16	10158	10	18.7	43	SF		3	E		45		F
0110		17	1436	1440	1450	S10	E23	10159	10	19.3	14	SF					40		F
	SVTO	17	1436	1440	1447	S10	E23	10159	10	19.3	11	SF		3	E		36		F
	RAMY	17	1436	1440	1452	S10	E23	10159	10	19.3	16	SF		3	E		44		
		17	1821		1827	No Flare Patrol													
		17	1848		1856	No Flare Patrol													
0111	RAMY	17	1855	1858	1913	N14	W28	10149	10	15.7	18	SF		3	E		26		
		17	1905		2053	No Flare Patrol													
		17	2111		2132	No Flare Patrol													
0112	HOLL	17	2218	2219U	2227	N23	E75	10162	10	23.7	9	SF		3	E		18		
0113	LEAR	18	0237	0238	0242	N25	E86	10162	10	24.8	5	SF		3	E		42		
0114	LEAR	18	0559	0559	0607	N14	W39	10149	10	15.3	8	SF		2	E		16		
0115	LEAR	18	0657	0703	0734	S06	W01	10158	10	18.2	37	SF		3	E		48		F
		18	0957		0958	No Flare Patrol													
0116	RAMY	18	1208	1211	1216	N27	E82	10162	10	24.9	8	SF		3	E		12		FH
0117		18	1317	1317	1325	N12	W43	10149	10	15.3	8	SF					11		F
	KANZ	18	1317	1317	1324D	N12	W43	10149	10	15.3	7D	SF		2	E				
	RAMY	18	1317	1317	1325	N13	W43	10149	10	15.3	8	SF		3	E		11		F
0118	RAMY	18	1523	1525	1543	N25	E84	10162	10	25.1	20	SF		3	E		48		H
0119	RAMY	18	1617	1618	1621	N25	E81	10162	10	24.9	4	SF		3	E		15		
0120	RAMY	18	1924	1928	1945	N27	E82	10162	10	25.2	21	SF		3	E		15		
0121	HOLL	18	1933	1936	1941	N28	E79	10162	10	25.0	8	SF		3	E		22		F
0122	HOLL	18	1955	1956	2219D	N27	E75	10162	10	24.7	144D	SF		3	E		35		
0123	RAMY	18	2000	2000	2044	N26	E76	10162	10	24.7	44	SF		3	E		23		
		18	2015		2046	No Flare Patrol													
0124	RAMY	18	2126	2129U	2129D	S05	W04	10158	10	18.6	3D	SF		3	E		12		F
		18	2130		2217	No Flare Patrol													
0125	HOLL	18	2332	2333	2335	N14	W47	10149	10	15.4	3	SF		3	E		17		
0126	LEAR	18	2336	2338	2343	S04	W05	10158	10	18.6	7	SF		3	E		11		F
0127	LEAR	19	0001	0003	0010	S05	W06	10158	10	18.5	9	SF		4	E		13		F
0128	LEAR	19	0113	0118	0151	S05	W06	10158	10	18.6	38	1F		4	E		100		FH

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0129	LEAR	19	0214	0220	0223	N25	E71	10162	10	24.6	9	SF		3	E		25		F
0130	KANZ	19	0723	0723	0726	S05	W06	10158	10	18.8	3	SF		2	E				
0131	RAMY	19	1114	1115	1119	S03	W12	10158	10	18.6	5	SF		3	E		17		F
0132		19	1344	13454	1354	S18	W10	10160	10	18.8	10	SF					31		
	KANZ	19	1344	1345	1354	S18	W09	10160	10	18.9	10	SF		2	E				
	RAMY	19	1344	1349	1355	S18	W10	10160	10	18.8	11	SF		3	E		31		
0133	HOLL	19	1347	1349	1354	S18	W09	10159	10	18.9	7	SF		3	E		39		
0134	HOLL	19	1348	1350	1355	N11	W56	10145	10	15.4	7	SF		3	E		16		
0135	HOLL	19	1418	1419	1424	N25	E66	10162	10	24.7	6	SF		3	E		12		
0136	RAMY	19	1451	1459	1503	S06	W13	10158	10	18.6	12	SF		3	E		12		F
0137	HOLL	19	1756	1756	1803	S17	W11	10159	10	18.9	7	SF		3	E		13		F
0138	RAMY	19	1756	1822	1846	S18	W13	10160	10	18.7	50	SF		3	E		82		FH
0139	HOLL	19	1819	1834	1844	S18	W11	10159	10	18.9	25	SF		3	E		32		F
0140	HOLL	19	1827	1827	1835	N25	E67	10162	10	24.9	8	SF		3	E		13		
0141		19	1907*	20093	2110	N25	E65	10162	10	24.8	123	SF					61		F
	HOLL	19	1907	2009	2121	N25	E63	10162	10	24.7	134	SF		3	E		73		F
	RAMY	19	1958	2012	2058	N25	E67	10162	10	25.0	60	SF		3	E		49		F
0142	RAMY	19	1923	1930	1945	N26	E67	10162	10	25.0	22	SF		3	E		23		F
0143	HOLL	19	2114	2116	2124	S13	W48	10154	10	16.3	10	SF		3	E		46		
0144	HOLL	19	2154	2200	2204	N27	E65	10162	10	25.0	10	SF		3	E		15		F
0145	HOLL	19	2233	2235	2238	N26	E64	10162	10	24.9	5	SF		3	E		20		
		19	2240		2247	No Flare Patrol													
0146	HOLL	19	2306	2307	2315	N27	E64	10162	10	24.9	9	SF		3	E		30		
0147		19	2245E	2303U	2339	N14	W62	10149	10	15.3	54D	1F					157		F
	HOLL	19	2245E	2303U	2353D	N13	W59	10149	10	15.5	68D	1F		3	E		237		F
	LEAR	19	2307E	2307U	2339	N15	W64	10149	10	15.1	32D	SF		5	E		77		F
0148	LEAR	20	0037	0044	0117	N27	E61	10162	10	24.8	40	1F		4	E		107		F
0149	LEAR	20	0039	0045	0103	S18	W17	10160	10	18.7	24	SF		4	E		80		FH
0150	LEAR	20	0209	0222	0252	S18	W17	10160	10	18.8	43	1N		3	E		116		F
0151	LEAR	20	0242	0259	0315	S05	W22	10158	10	18.5	33	SF		3	E		27		F
0152	LEAR	20	0319	0319	0324	S05	W22	10158	10	18.5	5	SF		3	E		13		
0153	LEAR	20	0333	0337	0423	N26	E58	10162	10	24.6	50	2N		3	E		277		EF
0154	LEAR	20	0501	0514	0537	S18	W18	10160	10	18.8	36	1N		3	E		205		EF
0155	LEAR	20	0539	0542	0548	S20	W17	10160	10	18.9	9	SF		3	E		22		
0156	LEAR	20	0527	0529	0541	S14	W53	10154	10	16.2	14	SF		3	E		59		F
0157	LEAR	20	0544	0545	0549	N23	E58	10162	10	24.7	5	SF		3	E		11		
0158		20	06121	0614	0620	N24	E44	10162	10	23.6	8	SF					83		FH
	LEAR	20	0612	0614	0622	N25	E44	10162	10	23.7	10	SF		3	E		97		FH
	SVTO	20	0613	0614	0619	N23	E44	10162	10	23.6	6	SF		3	E		69		FH

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0159	KANZ	20	0804	0805	0807	N25	E55	10162	10	24.6	3	SF		2	E				
0160		20	09002	0902	0909	N24	E42	10162	10	23.6	9	1F					85		FH
	LEAR	20	0900	0902	0910	N25	E42	10162	10	23.6	10	1F		3	E		113		FH
	KANZ	20	0900	0902	0910	N26	E42	10162	10	23.6	10	1F		2	E				
	SVTO	20	0902	0902	0906	N22	E43	10162	10	23.7	4	SF		3	E		57		F
0161		20	09102	09132	0925	S03	W23	10158	10	18.7	15	SF					38		F
	KANZ	20	0910	0915	0927	S04	W22	10158	10	18.7	17	SF		2	E				
	LEAR	20	0911	0913	0929	S04	W23	10158	10	18.7	18	SF		3	E		54		F
	SVTO	20	0912	0913	0920	S02	W23	10158	10	18.7	8	SF		3	E		21		F
0162		20	0952	0952	0959	N23	E56	10162	10	24.7	7	SF					58		H
	KANZ	20	0952	0952	0958	N25	E55	10162	10	24.7	6	SF		2	E				
	SVTO	20	0952	0952	1000	N21	E58	10162	10	24.8	8	SF		3	E		58		H
0163	KANZ	20	1121	1122	1133	N25	E40	10162	10	23.6	12	SF		2	E				
0164		20	11255	1132	1136	N24	E54	10162	10	24.6	11	SF					41		FH
	RAMY	20	1125	1132	1137	N25	E55	10162	10	24.7	12	SF		3	E		59		FH
	KANZ	20	1129	1132	1136	N25	E52	10162	10	24.5	7	SF		2	E				
	SVTO	20	1130	1132	1134	N21	E55	10162	10	24.7	4	SF		3	E		23		
0165		20	13504	13552	1423	N28	E55	10162	10	24.9	33	SF					44		
	HOLL	20	1350	1357	1423	N28	E55	10162	10	24.9	33	SF		3	E		44		
	KANZ	20	1354	1355	1408D	N28	E55	10162	10	24.9	14D	SF		2	E				
0166	HOLL	20	1353	1354	1357	S14	W56	10154	10	16.3	4	SF		3	E		10		
0167		20	1356*	19202	1950	N26	E54	10162	10	24.8	354	SF					42		FHT
	RAMY	20	1356	1920	2015	N28	E57	10162	10	25.0	379	SF		3	E		73		FHT
	HOLL	20	1914	1922	1926	N25	E51	10162	10	24.7	12	SF		3	E		12		F
0168	SVTO	20	1357	1359	1416	N21	E50	10162	10	24.4	19	SF		3	E		45		F
0169	HOLL	20	1411	1415	1442	S13	W63	10154	10	15.8	31	SF		3	E		56		
0170	SVTO	20	1422	1424U	1450	S16	W25	10159	10	18.7	28	1F		3	E		178		F
0171	RAMY	20	1422	1424	1503	S19	W23	10160	10	18.8	41	1B		3	E		184		HU
0172	HOLL	20	1422	1430	1432	S15	W18	10159	10	19.2	10	1N		3	E		169		
0173	RAMY	20	1424	1425	1436	S10	W18	10159	10	19.2	12	SF		3	E		16		F
0174	HOLL	20	1428	1456	1519	S19	W19	10160	10	19.1	51	SF		3	E		20		FU
0175	HOLL	20	1444	1502	1509	N26	E56	10162	10	25.0	25	SF		3	E		11		
0176		20	16021	16021	1611	S06	W30	10158	10	18.4	9	SF					12		F
	RAMY	20	1602	1602	1611	S05	W27	10158	10	18.6	9	SF		3	E		10		F
	HOLL	20	1603	1603	1611	S08	W32	10158	10	18.3	8	SF		3	E		13		
0177	HOLL	20	1603	1603	1609	N23	E39	10162	10	23.7	6	SF		3	E		22		
0178	HOLL	20	1755	1756	1811	N25	E52	10162	10	24.8	16	SF		3	E		21		
0179	HOLL	20	1803	1804	1807	S12	W52	10154	10	16.8	4	SF		3	E		35		F
0180	HOLL	20	1846	1846	1853	N25	E51	10162	10	24.7	7	SF		3	E		14		
0181		20	18462	1859	1914	S18	W26	10160	10	18.8	28	SF					28		F
	RAMY	20	1846	1859	1918	S18	W26	10160	10	18.8	32	SF		3	E		32		F
	HOLL	20	1848	1859	1911	S17	W26	10160	10	18.8	23	SF		3	E		23		
0182	RAMY	20	2032	2032	2045	N25	E53	10162	10	25.0	13	SF		3	E		25		
0183	HOLL	20	2241	2245	2300	N25	E47	10162	10	24.6	19	SF		3	E		17		F

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0184	HOLL	20	2306	2308	2330	N25	E49	10162	10	24.7	24	SF		3	E		50		F
0185	LEAR	21	0056	0056	0104	S17	W30	10160	10	18.7	8	SF		3	E		22		F
0186	LEAR	21	0214	0224	0253	S05	W32	10158	10	18.7	39	SF		4	E		36		F
0187	LEAR	21	0418	0419	0424	S14	W65	10154	10	16.3	6	SF		4	E		23		F
0188	LEAR	21	0457	0603	0614	N23	E41	10162	10	24.4	77	SF		3	E		28		F
0189	SVTO	21	0705	0706	0708	N22	E48	10162	10	25.0	3	SF		3	E		20		
0190		21	0835	08361	0846	N22	E44	10162	10	24.7	11	SF					54		
	SVTO	21	0835	0836	0846	N20	E46	10162	10	24.9	11	SF		3	E		54		
	KANZ	21	0835	0837	0841D	N23	E43	10162	10	24.7	6D	SF		2	E				
0191		21	08561	0857	0901	S20	W30	10160	10	19.1	5	SF					14		
	SVTO	21	0856	0857	0901	S19	W31	10160	10	19.0	5	SF		3	E		14		
	KANZ	21	0857	0857	0901	S21	W30	10160	10	19.1	4	SF		2	E				
0192	SVTO	21	0943	0943	0950	S16	W32	10160	10	19.0	7	SF		3	E		16		
0193	SVTO	21	1158	1222	1239	N21	E42	10162	10	24.7	41	SF		3	E		41		F
0194	RAMY	21	1510	1510	1514	N23	E28	10162	10	23.8	4	SF		3	E		16		
		21	1827		1832	No Flare Patrol													
		21	1840		2040	No Flare Patrol													
0195	RAMY	21	2049	2102	2131	N25	E38	10162	10	24.8	42	SF		3	E		73		F
0196	HOLL	21	2103	2105	2128	S19	W40	10160	10	18.8	25	SF		3	E		35		F
0197	RAMY	21	2112	2118	2152D	S19	W40	10160	10	18.8	40D	1N		3	E		216		FU
0198	HOLL	21	2105E	2105	2114	S22	W47	10163	10	18.3	9D	SF		3	E		16		
0199	HOLL	21	2259	2259	2302	S13	W82	10154	10	15.8	3	SF		3	E		58		F
0200	LEAR	21	2342	2353	2406	N23	E23	10162	10	23.7	24	SF		3	E		35		F
0201	LEAR	22	0227	0231	0243	N20	E57	10165	10	26.5	16	SF		3	E		63		F
0202	LEAR	22	0412	0413	0427	N23	E31	10162	10	24.6	15	SF		3	E		19		F
0203		22	1146	1146	1149	S06	W55	10158	10	18.4	3	SF					12		
	RAMY	22	1146	1146	1149	S07	W55	10158	10	18.4	3	SF		3	E		12		
	KANZ	22	1146	1146	1151D	S06	W55	10158	10	18.4	5D	SF		2	E				
0204		22	12451	12472	1253	N28	E28	10162	10	24.7	8	SF					20		F
	KANZ	22	1245	1249	1253	N27	E27	10162	10	24.6	8	SF		2	E				
	RAMY	22	1246	1247	1253	N28	E29	10162	10	24.8	7	SF		3	E		20		F
0205	RAMY	22	1326	1326	1333	S07	W58	10158	10	18.2	7	SF		3	E		13		
0206	RAMY	22	1532	1533	1700	N28	E27	10162	10	24.7	88	SF		3	E		88		F
		22	2110		2119	No Flare Patrol													
		22	2141		2154	No Flare Patrol													
0207	LEAR	23	0047	0116	0145	S04	W62	10158	10	18.4	58	SF		3	E		61		F
0208	LEAR	23	0101	0101	0104	N25	E22	10162	10	24.7	3	SF		3	E		18		F
0209	LEAR	23	0634	0635	0641	S16	W60	10160	10	18.7	7	SF		3	E		25		
0210	KANZ	23	0756	0757	0759D	N25	E15	10162	10	24.5	3D	SF		2	E				
0211	RAMY	23	1538	1616	1716	N20	E37	10165	10	26.5	98	SF		3	E		99		F

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0212	HOLL	23	1554	1603U	1652D	N21	E40	10165	10	26.7	58D	SF		3	E		15		
		23	1746		1913	No Flare Patrol													
		23	2138		2228	No Flare Patrol													
0213	LEAR	24	0814	0817	0834	N28	E09	10162	10	25.0	20	SF		3	E		27		
		24	1218		1228	No Flare Patrol													
		24	1313		1328	No Flare Patrol													
0214	KANZ	24	1403	1404	1406	N24	W13	10162B	10	23.6	3	SF		2	E				
0215	KANZ	24	1406	1407	1414	N27	E02	10162	10	24.7	8	SF		2	E				
0216		24	16341	16352	1646	N28	E04	10162	10	25.0	12	SF					22		
	RAMY	24	1634	1635	1647	N28	E03	10162	10	24.9	13	SF		3	E		26		
	HOLL	24	1635	1637	1644	N28	E04	10162	10	25.0	9	SF		3	E		18		
0217		24	18041	1810	1824	N23	W14	10162	10	23.7	20	1N					161		FH
	RAMY	24	1804	1810	1825	N23	W14	10162	10	23.7	21	1N		3	E		148		FH
	HOLL	24	1805	1809U	1822	N23	W14	10162	10	23.7	17	1N		3	E		174		FH
		24	1950		2046	No Flare Patrol													
		24	2053		2057	No Flare Patrol													
0218		25	0702	07021	0705	N28	W02	10162	10	25.1	3	SF					28		
	KANZ	25	0702	0702	0705	N27	W03	10162	10	25.0	3	SF		2	E				
	LEAR	25	0702	0703	0705	N28	W02	10162	10	25.1	3	SF		3	E		28		
0219	KANZ	25	0915	0916	0921	N27	W04	10162	10	25.1	6	SF		2	E				
0220	KANZ	25	0952	0953	0957	N27	W04	10162	10	25.1	5	SF		2	E				
0221	KANZ	25	1204	1212	1218	N22	W25	10162	10	23.6	14	SF		2	E				
0222	RAMY	25	1320	1321	1335	N24	W16	10162	10	24.3	15	SF		3	E		26		F
0223		25	1409	14101	1418	N24	W28	10162	10	23.4	9	SF					16		F
	HOLL	25	1409	1410	1417	N25	W28	10162	10	23.4	8	SF		3	E		15		
	RAMY	25	1409	1411	1418	N24	W28	10162	10	23.4	9	SF		3	E		18		F
0224	HOLL	25	1521	1521	1526	N25	W14	10162	10	24.5	5	SF		3	E		24		
0225	HOLL	25	1620	1643	1703	N27	W10	10162	10	24.9	43	1F		3	E		123		F
0226	RAMY	25	1726	1737	1907	N28	W11	10162	10	24.9	101	1F		3	E		133		F
		26	0014		0550	No Flare Patrol													
0227	KHAR	26	1202	1204	1208	S11	W85		10	20.1	6	SF		2	V				DH
0228	KANZ	26	1429	1431	1438	N27	W39	10162	10	23.6	9	SF		2	E				
		26	1739		1804	No Flare Patrol													
		26	1814		1822	No Flare Patrol													
		26	2125		2131	No Flare Patrol													
		26	2138		2205	No Flare Patrol													
		26	2226		2314	No Flare Patrol													
		27	0000		0027	No Flare Patrol													
0229	LEAR	27	0259	0300	0305	N26	W31	10162	10	24.7	6	SF		2	E		15		
		27	0306		0322	No Flare Patrol													
0230	LEAR	27	0353	0353	0400	N26	W31	10162	10	24.7	7	SF		1	E		30		
		27	0457		0657	No Flare Patrol													
0231	KANZ	27	0751	0753	0800	N26	W49	10162	10	23.5	9	SF		2	E				

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0232		27	0820	08242	0832	N25	W34	10162	10	24.7	12	SF					23		F
	KANZ	27	0820	0824	0833	N24	W34	10162	10	24.7	13	SF		2	E				
	LEAR	27	0820	0826	0832	N26	W34	10162	10	24.7	12	SF		3	E		23		F
0233		27	0910	0912	0939	N25	W34	10162	10	24.7	29	SF					78		F
	SVTO	27	0908E	0912	0944D	N26	W34	10162	10	24.7	36D	SF		2	E		78		F
	KANZ	27	0910	0912	0939	N24	W35	10162	10	24.7	29	SF		2	E				
0234		27	0956	1001	1038	N26	W38	10162	10	24.5	42	SF					53		
	SVTO	27	0956	1001	1040	N27	W37	10162	10	24.5	44	SF		3	E		53		
	KANZ	27	0959E	1001	1037	N25	W39	10162	10	24.4	38D	SF		2	E				
0235	RAMY	27	1221	1221	1230	N25	W37	10162	10	24.6	9	SF		3	E		10		
0236	RAMY	27	1345	1345	1352	N24	W37	10162	10	24.7	7	SF		3	E		15		F
0237		27	14001	14001	1412	N24	W37	10162	10	24.7	12	SF					16		F
	KANZ	27	1400	1400	1406	N24	W37	10162	10	24.7	6	SF		2	E				
	SVTO	27	1400E	1400U	1409	N25	W37	10162	10	24.7	9D	SF		2	E		20		
	RAMY	27	1401	1401	1422	N24	W38	10162	10	24.6	21	SF		3	E		12		F
0238	SVTO	27	1447	1447	1450	N27	W37	10162	10	24.7	3	SF		3	E		40		
0239	RAMY	27	1746	1757	1801	N24	W40	10162	10	24.6	15	SF		3	E		10		F
0240	RAMY	27	1804	1807	1822	N23	W51	10162	10	23.8	18	SF		3	E		11		F
0241	RAMY	27	1917	1918	1922	N25	W40	10162	10	24.7	5	SF		3	E		35		
0242	RAMY	27	1924	1925	1936	N24	W40	10162	10	24.7	12	SF		3	E		20		
0243	RAMY	27	2030	2038	2108D	N24	W42	10162	10	24.6	38D	SF		3	E		87		F
		27	2124		2157	No Flare Patrol													
		27	2203		2223	No Flare Patrol													
		28	0000		0003	No Flare Patrol													
0244	LEAR	28	0025E	0027U	0040	N23	W56	10162	10	23.7	15D	SF		3	E		72		F
0245	LEAR	28	0552	0557	0559	N27	W44	10162	10	24.8	7	SF		2	E		10		
0246	LEAR	28	0712	0712	0717	N27	W45	10162	10	24.8	5	SF		3	E		22		
0247	KANZ	28	0851	0852	0855	N29	W61	10162B	10	23.6	4	SF		2	E				
0248	KANZ	28	0846	0849	0903	N23	W48	10162	10	24.7	17	SF		2	E				
0249		28	0909	0911	0925	N28	W44	10162	10	24.9	16	SF					15		
	SVTO	28	0909	0911	0913	N28	W43	10162	10	25.0	4	SF		3	E		15		
	KANZ	28	0909	0923U	0937	N27	W46	10162	10	24.8	28	SF		2	E				
0250	SVTO	28	0928	0931	0934	N27	W42	10162	10	25.1	6	SF		3	E		31		F
0251		28	09491	0953	1001	N28	W46	10162	10	24.8	12	SF					59		F
	KANZ	28	0949	0953	1001	N26	W48	10162	10	24.7	12	SF		2	E				
	SVTO	28	0950	0953	1004D	N29	W44	10162	10	25.0	14D	SF		3	E		59		F
0252	KANZ	28	1036	1036	1037	N26	W48	10162	10	24.7	1	SF		2	E				
0253		28	1133	11362	1145	N27	W48	10162	10	24.7	12	SF					32		F
	RAMY	28	1132E	1138	1147	N26	W47	10162	10	24.8	15D	SF		3	E		31		F
	KANZ	28	1133	1136	1144	N26	W48	10162	10	24.7	11	SF		2	E				
	SVTO	28	1133	1138	1144	N30	W48	10162	10	24.7	11	SF		3	E		32		
0254		28	1203	12041	1224	N29	W46	10162	10	24.9	21	1F					114		F
	SVTO	28	1203	1204	1219	N31	W46	10162	10	24.9	16	1F		3	E		114		F
	KANZ	28	1203	1205	1229	N27	W46	10162	10	24.9	26	1F		2	E				
0255	RAMY	28	1203	1204	1229	N23	W61	10162	10	23.8	26	1N		3	E		107		F

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0256	RAMY	28	1233	1236	1245	N26	W49	10162	10	24.7	12	SF		3	E		11		
0257	KANZ	28	1241	1241	1244	N26	W48	10162	10	24.8	3	SF		2	E				
0258		28	1252	12521	1302	N29	W51	10162	10	24.5	10	SF					26		FH
	RAMY	28	1252	1252	1303	N27	W49	10162	10	24.7	11	SF		3	E		26		FH
	SVTO	28	1252	1253	1301	N33	W54	10162	10	24.2	9	SF		3	E		25		
	KANZ	28	1252	1253	1302	N27	W49	10162	10	24.7	10	SF		2	E				
0259		28	13381	1342*	1421	N27	W62	10162	10	23.7	43	SF					40		FH
	RAMY	28	1338	1416	1435	N27	W62	10162	10	23.7	57	SF		3	E		40		FH
	KANZ	28	1339	1342	1407	N27	W62	10162	10	23.7	28	SF		2	E				
0260	KANZ	28	1357	1358	1427	N26	W48	10162	10	24.8	30	SF		2	E				
0261	SVTO	28	1414	1415	1424	N34	W56	10162	10	24.1	10	SF		3	E		39		
0262	RAMY	28	1454	1457	1511	N26	W50	10162	10	24.7	17	SF		3	E		16		FH
0263	RAMY	28	1541	1545	1549	N26	W50	10162	10	24.8	8	SF		3	E		13		
0264	RAMY	28	1600	1604	1625	N26	W50	10162	10	24.8	25	SF		3	E		41		
0265	RAMY	28	1629	1639	1644	N26	W50	10162	10	24.8	15	SF		3	E		17		
0266	RAMY	28	1644	1647	1656	N26	W50	10162	10	24.8	12	SF		3	E		11		
0267	RAMY	28	1752	1752	1757	N26	W52	10162	10	24.7	5	SF		3	E		31		
0268	RAMY	28	1807	1807	1812	S14	E30	10170	10	31.0	5	SF		3	E		12		F
0269		28	18217	18281	1836	N26	W50	10162	10	24.9	15	SF					35		FH
	RAMY	28	1821	1828	1838	N26	W51	10162	10	24.8	17	SF		3	E		51		FH
	HOLL	28	1828	1829	1834	N26	W50	10162	10	24.9	6	SF		3	E		19		F
0270	RAMY	28	1839	1839	1843	N26	W52	10162	10	24.7	4	SF		3	E		10		
0271	RAMY	28	1852	1901	2106D	N24	W58	10162	10	24.3	134D	1F		3	E		132		FH
0272	HOLL	28	1853	1854	1857	N28	W46	10162	10	25.2	4	SF		3	E		14		
0273	HOLL	28	1858	1901	1909	N23	W65	10162	10	23.8	11	SF		3	E		69		
0274	RAMY	28	2007	2015	2055D	S18	W67	10173	10	23.7	48D	SF		3	E		21		
0275	HOLL	28	2150	2151	2154	N27	W51	10162	10	24.9	4	SF		3	E		15		F
0276	HOLL	28	2335	2339	2342	S18	W65	10173	10	24.0	7	SF		3	E		36		
0277	LEAR	28	2354	2355	2401	N29	W53	10162	10	24.8	7	SF		3	E		55		
0278	LEAR	29	0309	0312	0333	N31	W51	10162	10	25.1	24	SF		3	E		49		F
0279		29	06391	06401	0648	S18	W75	10173	10	23.6	9	SF					18		
	LEAR	29	0639	0641	0648	S17	W75	10173	10	23.6	9	SF		3	E		23		
	SVTO	29	0640	0640	0647	S18	W75	10173	10	23.6	7	SF		3	E		14		
0280	SVTO	29	0644	0646	0659	N23	W72	10162	10	23.7	15	SF		3	E		92		
0281	LEAR	29	0645	0646	0652	N31	W55	10162	10	24.9	7	SF		3	E		54		F
0282		29	0744	07481	0759	N30	W56	10162	10	24.9	15	SF					18		
	LEAR	29	0744	0748	0801	N31	W56	10162	10	24.9	17	SF		3	E		18		
	KANZ	29	0744	0749	0757	N30	W56	10162	10	24.9	13	SF		2	E				
0283		29	09272	0930	0942	N28	W57	10162	10	24.9	15	SF					78		F
	KANZ	29	0927	0930	0940	N27	W57	10162	10	24.9	13	SF		2	E				
	LEAR	29	0927	0930	0943	N29	W58	10162	10	24.8	16	SF		3	E		96		F
	SVTO	29	0929	0930	0942	N28	W57	10162	10	24.9	13	SF		3	E		61		

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0284		29	11181	1120	1124	N28	W58	10162	10	24.9	6	SF					38		
	KANZ	29	1118	1120	1124	N27	W58	10162	10	24.9	6	SF		2	E				
	SVTO	29	1119	1120	1124	N28	W58	10162	10	24.9	5	SF		3	E		38		
0285	RAMY	29	1135	1136	1146	N16	E63	10175A	11	3.3	11	SF		3	E		28		
0286	RAMY	29	1138	1140	1146	N09	E88	10176	11	5.1	8	3F		3	E		629		
0287	RAMY	29	1152	1156	1159	N16	E63	10175A	11	3.3	7	SF		3	E		23		
0288	RAMY	29	1215	1219	1230	N16	E63	10175A	11	3.3	15	SF		3	E		24		F
0289	SVTO	29	1232	1233	1237	N28	W58	10162	10	25.0	5	SF		3	E		33		
0290	SVTO	29	1335	1336	1339	S19	W83	10173	10	23.2	4	SF		3	E		41		
0291	SVTO	29	1338	1339	1342	N23	W75	10162	10	23.8	4	SF		3	E		21		
0292		29	1344	13462	1358	N29	W60	10162	10	24.9	14	SF					42		F
	SVTO	29	1344	1346	1358	N28	W61	10162	10	24.8	14	SF		3	E		42		F
	KANZ	29	1344	1348	1358	N30	W59	10162	10	24.9	14	SF		2	E				
0293	RAMY	29	1348	1349	1355	S20	W78	10173	10	23.6	7	SF		3	E		49		F
0294		29	1420	1421	1430	N28	W60	10162	10	24.9	10	SF					58		H
	KANZ	29	1420	1421	1429	N27	W60	10162	10	24.9	9	SF		2	E				
	SVTO	29	1420	1421	1432	N28	W60	10162	10	24.9	12	SF		3	E		58		H
0295	RAMY	29	1431	1433	1436	S19	W77	10173	10	23.7	5	SF		3	E		12		
0296	RAMY	29	1446	1512	1529	S19	W78	10173	10	23.7	43	SF		3	E		79		FH
0297	HOLL	29	1448	1448	1456	S18	W76	10173	10	23.8	8	SF		3	E		18		
0298	HOLL	29	1517	1517	1518	S17	W77	10173	10	23.8	1	SF		3	E		10		
0299	HOLL	29	1503	1513	1518	S17	W77	10173	10	23.8	15	SF		3	E		29		
0300	RAMY	29	1537	1537	1546	N15	E62	10175	11	3.3	9	SF		3	E		10		F
0301	RAMY	29	1600	1602	1609	S19	W80	10173	10	23.6	9	SF		3	E		16		
0302	HOLL	29	1629	1631	1644	N30	W61	10162	10	24.9	15	SF		3	E		31		FH
0303	RAMY	29	1659	1701	1708	S19	W79	10173	10	23.7	9	SF		3	E		26		
0304	RAMY	29	1711	1712	1716	N15	E86	10177	11	5.2	5	SF		3	E		13		
0305	RAMY	29	1744	1744	1755	S19	W79	10173	10	23.7	11	SF		3	E		13		
0306	RAMY	29	1842	1848	1904	N15	E60	10175	11	3.3	22	SF		3	E		11		F
0307	RAMY	29	1913	1920	1927	N14	E60	10175	11	3.3	14	SF		3	E		12		
0308	RAMY	29	1930	1934	1954	N14	E59	10175	11	3.3	24	SF		3	E		14		
0309	RAMY	29	2059	2102	2118	N15	E58	10175	11	3.3	19	SF		3	E		28		
0310	LEAR	29	2255	2304	2336	N30	W65	10162	10	24.8	41	1F		3	E		103		FH
0311	HOLL	29	2303	2311	2313	N30	W65	10162	10	24.8	10	SF		3	E		17		F
0312	LEAR	30	0059	0100	0108	N29	W66	10162	10	24.9	9	SF		3	E		32		F
0313	LEAR	30	0109	0118	0136	N30	W64	10162	10	25.0	27	SF		3	E		58		F
0314	LEAR	30	0249	0251	0319	N30	W66	10162	10	24.9	30	1F		3	E		106		FH
0315	LEAR	30	0406	0406	0410	N29	W68	10162	10	24.8	4	1F		3	E		130		FH

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0316	LEAR	30	0633	0633	0636	N27	W69	10162	10	24.9	3	SF		1	E		38		
0317		30	08306	0836	0842	N27	W70	10162	10	24.9	12	SF					28		
	LEAR	30	0830	0836	0843	N27	W70	10162	10	24.9	13	SF		3	E		47		
	SVTO	30	0836	0836	0840	N27	W71	10162	10	24.8	4	SF		3	E		10		
0318	RAMY	30	1122E	1122U	1140D	N25	W69	10162	10	25.1	18D	SF		3	E		43		
0319	RAMY	30	1342	1344	1402	N19	E55	10175	11	3.8	20	SF		3	E		10		F
0320	HOLL	30	1616	1616	1618	N28	W74	10162	10	24.9	2	SF		3	E		18		
0321	HOLL	30	1734	1735	1738	N27	W76	10162	10	24.8	4	SF		3	E		29		
0322	HOLL	30	2117	2123	2132	N15	E74	10177	11	5.5	15	SF		3	E		15		
0323	HOLL	30	2120	2121	2125	N26	W80	10162	10	24.7	5	SF		3	E		27		F
0324	HOLL	30	2156	2156	2201	N27	W78	10162	10	24.8	5	SF		3	E		47		
0325	HOLL	30	2231	2239	2246	N15	E73	10177	11	5.5	15	SF		3	E		25		F
		31	0005		0020	No Flare Patrol													
		31	0223		0232	No Flare Patrol													
		31	0300		0305	No Flare Patrol													
		31	0350		0428	No Flare Patrol													
		31	0444		0555	No Flare Patrol													
		31	0801		0935	No Flare Patrol													
0326	KANZ	31	0936E	0936U	1010	N14	E37	10175	11	3.2	34D	SF		2	E				
0327	KANZ	31	0943	0945	1001	N14	E17	10175	11	1.7	18	SF		2	E				
0328		31	10214	10303	1042	N15	E58	10177	11	4.8	21	SF					24		U
	KANZ	31	1021	1030	1042	N15	E58	10177	11	4.8	21	SF		2	E				
	SVTO	31	1025	1033	1052D	N15	E59	10177	11	4.9	27D	SF		3	E		24		U
0329	RAMY	31	1048E	1056U	1130	N16	E58	10177	11	4.8	42D	SF		3	E		89		F

"Remarks"

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.
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.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual