Hα SOLAR FLARES

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0001	LEAR	01	0533	0533	0538	S14	E51	9767	01	5.1	5	SF		3	E		12		
		01	0949		0951	No Flare Patrol													
		01	1101		1105	No Flare Patrol													
0002	KANZ	01	1311	1311	1313	N15	W29	9764	12	30.4	2	SF		2	E				
		01	1403		1840	No Flare Patrol													
		01	2036		2123	No Flare Patrol													
		01	2209		2400	No Flare Patrol													
		02	0000		0057	No Flare Patrol													
0003		02	01157	0123	0138	N13	W40	9764	12	30.1	23	SN					86	2.0	BF
	LEAR	02	0115	0123	0143	N13	W40	9764	12	30.1	28	SF		2	E		27		F
	MITK	02	0122	0123	0132	N13	W40	9764	12	30.1	10	SB			C	0123	144	2.0	B
		02	0244		0258	No Flare Patrol													
		02	0301		0306	No Flare Patrol													
0004		02	0308*	04242	0438	N13	W42	9764	12	30.1	90	SN					81	1.6	DF
	LEAR	02	0308	0426	0445	N13	W42	9764	12	30.1	97	SF		2	E		52		F
	MITK	02	0420	0424	0432	N13	W41	9764	12	30.2	12	SN			C	0424	110	1.6	D
0005	LEAR	02	0313	0319	0325	N04	W90	9751	12	26.5	12	SF		3	E		15		
0006	MITK	02	0331	0332	0334	N13	W42	9764	12	30.1	3	SN			C	0332	79	1.1	D
0007	LEAR	02	0336	0341	0403	S06	W58	9754	12	28.9	27	SF		2	E		70		F
0008	LEAR	02	0407	0410	0423	S06	W60	9754	12	28.8	16	SF		2	E		16		
0009	LEAR	02	0504	0513	0516	N13	W44	9764	12	30.0	12	SF		2	E		16		
0010	LEAR	02	0517	0542	0556	N13	W43	9764	12	30.1	39	SF		2	E		20		
0011	LEAR	02	0757	0800	0808	S07	W56	9754	12	29.2	11	SF		3	E		38		
0012		02	09057	09121	0918	S08	W57	9754	12	29.2	13	SF					29		F
	LEAR	02	0905	0912	0919	S08	W57	9754	12	29.2	14	SF		3	E		47		F
	KANZ	02	0905	0912	0921	S07	W57	9754	12	29.2	16	SF		2	E				
	SVTO	02	0912	0913	0914	S08	W58	9754	12	29.1	2	SF		2	E		11		
0013		02	1136	11361	1152	S20	E36	9767	01	5.2	16	SF					11		F
	SVTO	02	1136	1136	1155	S20	E36	9767	01	5.2	19	SF		3	E		11		F
	KANZ	02	1136	1137	1150	S20	E36	9767	01	5.2	14	SF		2	E				
0014		02	1230	1231	1306	S27	E42	9767	01	5.8	36	SF					17		F
	SVTO	02	1230	1231	1306	S25	E40	9767	01	5.6	36	SF		3	E		17		F
	KANZ	02	1237E	1237U	1305	S29	E45	9767	01	6.0	28D	SF		2	E				
0015	SVTO	02	1231	1232	1236	S06	W60	9754	12	29.1	5	SF		3	E		11		
0016		02	1249	1252	1316	S07	W64	9754	12	28.8	27	1N					125		
	KANZ	02	1249	1252	1307	S07	W59	9754	12	29.2	18	1N		2	E				
	SVTO	02	1249	1252	1326	S07	W68	9754	12	28.5	37	1N		3	E		125		
0017	SVTO	02	1444	1451	1455	S22	E42	9767	01	5.8	11	SF		3	E		18		
		02	1517		1719	No Flare Patrol													
0018	RAMY	02	1739	1739	1747	N14	W49	9764	12	30.1	8	SF		3	E		16		
		02	2116		2219	No Flare Patrol													
		02	2223		2241	No Flare Patrol													
0019	LEAR	03	0034	0035	0037	S07	W69	9754	12	28.9	3	SF		3	E		24		
0020	LEAR	03	0105	0105	0110	S21	E37	9767	01	5.9	5	SF		3	E		13		

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0021		03	02122	02162	0237	S12	E12		01	4.0	25	2N					395	6.1	F
	LEAR	03	0212	0216	0242	S11	E12		01	4.0	30	1F		3	E		220		F
	MITK	03	0214	0218	0232	S12	E11		01	3.9	18	2N			C	0218	570	6.1	F
0022	LEAR	03	0216	0221	0249	S19	E36	9767	01	5.8	33	SF		3	E		38		
0023	LEAR	03	0235	0236	0238	S06	W66	9754	12	29.3	3	SF		3	E		35		
0024		03	0401*	0401*	0412	S06	W68	9754	12	29.2	11	SF					29		
	LEAR	03	0401	0401	0408	S05	W69	9754	12	29.1	7	SF		3	E		20		
	LEAR	03	0412	0412	0416	S06	W67	9754	12	29.3	4	SF		3	E		38		
0025	LEAR	03	0712	0714	0731	S06	W75	9754	12	28.8	19	SF		3	E		33		
0026	LEAR	03	0841	0843	0848	N14	W60	9764	12	29.9	7	SF		3	E		19		F
0027	KANZ	03	0954	0954	0959	N08	W34	9770	12	31.9	5	SF		2	E				
0028		03	11461	1147	1154	N08	W35	9770	12	31.9	8	SF					18		
	KANZ	03	1146	1147	1154	N08	W35	9770	12	31.9	8	SF		2	E				
	RAMY	03	1147	1147	1155	N07	W35	9770	12	31.9	8	SF		3	E		18		
0029	RAMY	03	1215	1216	1224	S23	E31	9767	01	5.9	9	SF		3	E		12		
0030	RAMY	03	1343	1344	1349	N12	W82	9758	12	28.5	6	SF		3	E		19		
0031	RAMY	03	1431	1435	1441	N07	W37	9770	12	31.8	10	SF		3	E		18		
0032	RAMY	03	1440	1441	1447	N12	W82	9758	12	28.5	7	SF		3	E		46		
0033	RAMY	03	1505	1514	1519	N12	W82	9758	12	28.5	14	SF		3	E		49		
0034	HOLL	03	1712	1716	1722	S26	E30	9767	01	6.0	10	SF		3	E		36		
		03	2046		2227	No Flare Patrol													
0035	LEAR	03	2303	2309	2334	S17	E16	9767	01	5.2	31	SF		2	E		21		F
0036	LEAR	04	0705	0707	0710	S04	W62	9754	12	30.8	5	SF		3	E		24		
0037		04	08162	08211	0844	S10	W05		01	4.0	28	SF					36		F
	KANZ	04	0816	0821	0847	S10	W05		01	4.0	31	SF		2	E				
	LEAR	04	0818	0822	0841	S11	W05		01	4.0	23	SF		3	E		36		F
0038	KANZ	04	1043	1045	1059	S24	E04	9771	01	4.7	16	SF		2	E				
0039	RAMY	04	1237	1239	1247	S05	W53	9768	12	31.6	10	SF		3	E		10		
0040	RAMY	04	1740	1740	1745	N16	E71	9773	01	10.1	5	SF		3	E		19		F
0041	RAMY	04	1827	1829	1844	N14	E66	9773	01	9.7	17	1F		3	E		164		F
0042	HOLL	04	1827	1829	1842	N13	E58	9773	01	9.1	15	1F		3	E		121		F
0043		04	1856	1857	1908	N14	E65	9773	01	9.7	12	SF					32		
	HOLL	04	1856	1857	1907	N14	E64	9773	01	9.6	11	SF		3	E		37		
	RAMY	04	1856	1857	1908	N13	E66	9773	01	9.8	12	SF		3	E		26		
0044		04	1900	19002	1908	S24	E14	9767	01	5.9	8	SF					11		FH
	RAMY	04	1900	1900	1907	S24	E15	9767	01	5.9	7	SF		3	E		10		H
	HOLL	04	1900	1902	1908	S24	E14	9767	01	5.9	8	SF		3	E		12		F
0045	HOLL	04	2013	2039U	2100	N14	E67	9773	01	9.9	47	1F		3	E		100		F
0046	RAMY	04	2039	2039	2043	S22	E04	9767	01	5.2	4	SF		3	E		17		
		04	2131		2242	No Flare Patrol													
0047	LEAR	04	2255	2256	2300	S20	E03	9767	01	5.2	5	SF		2	E		49		F

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0048	LEAR	05	0059	0100	0106	S19	E02	9767	01	5.2	7	SF		3	E		49		
0049	LEAR	05	0221	0238	0244	N14	E62	9773	01	9.8	23	SF		3	E		44		F
0050	LEAR	05	0247	0251	0258	S19	E01	9767	01	5.2	11	SF		3	E		34		
0051	LEAR	05	0257	0303	0308	N16	E61	9773	01	9.7	11	SF		3	E		16		F
0052	LEAR	05	0305	0309	0322	S11	W16	9765A	01	3.9	17	SF		3	E		50		F
0053	LEAR	05	0310	0313	0318	S06	W67	9768	12	31.1	8	SF		3	E		18		F
0054		05	0611*	06344	0650	N17	E60	9773	01	9.8	39	SN					68	1.9	DF
	LEAR	05	0611	0634	0658	N18	E62	9773	01	10.0	47	SF		3	E		50		F
	MITK	05	0637	0638	0642	N16	E59	9773	01	9.7	5	SN			C	0638	87	1.9	D
0055	LEAR	05	0616	0617	0624	S04	W66	9768	12	31.3	8	SF		3	E		47		F
0056	LEAR	05	0617	0619	0621	S03	W75	9755	12	30.7	4	SF		3	E		17		F
0057	LEAR	05	0707	0710	0715	S18	W01	9767	01	5.2	8	SF		3	E		41		F
0058	LEAR	05	0748	0750	0755	S04	W67	9768	12	31.3	7	SF		3	E		29		
0059	SVTO	05	1013	1013	1016	S06	W67	9768	12	31.4	3	SF		3	E		13		
0060	SVTO	05	1028	1037	1100	N16	E58	9773	01	9.8	32	SF		3	E		38		F
0061	SVTO	05	1123	1124	1131	S07	W72	9768	12	31.1	8	SF		3	E		28		F
		05	1218		1219	No Flare Patrol													
		05	1222		1233	No Flare Patrol													
		05	1241		1320	No Flare Patrol													
		05	1406		1426	No Flare Patrol													
0062	HOLL	05	1501	1601	1644	S04	W69	9768	12	31.5	103	SF		3	E		67		F
0063	HOLL	05	1708	1709	1744	N13	E57	9773	01	10.0	36	SF		3	E		32		F
0064	HOLL	05	1821	1841	1907	N14	E53	9773	01	9.8	46	1F		3	E		154		
0065	HOLL	05	2001	2005	2010	S24	E01	9767	01	5.9	9	SF		3	E		18		
0066	HOLL	05	2202	2202	2208	S21	W21	9771	01	4.3	6	SF		3	E		25		F
0067	LEAR	06	0155	0202	0211	N16	E50	9773	01	9.9	16	SF		4	E		36		F
0068	LEAR	06	0456	0500	0515	S05	W82	9768	12	31.1	19	SF		3	E		92		
0069	LEAR	06	0548	0549	0551	N16	E49	9773	01	9.9	3	SF		3	E		12		F
0070	LEAR	06	0552	0552	0555	N17	E49	9773	01	10.0	3	SF		3	E		21		
0071	LEAR	06	0558	0600	0602	N16	E49	9773	01	10.0	4	SF		3	E		21		
0072	LEAR	06	0606	0606	0615	N16	E49	9773	01	10.0	9	SF		3	E		16		
0073	LEAR	06	0648	0651	0702	S08	W84	9768	12	31.0	14	SF		3	E		80		
0074		06	09283	09321	0937	S18	W16	9767	01	5.2	9	SF					38		FH
	KANZ	06	0928	0932	0936	S18	W16	9767	01	5.2	8	SF		2	E				
	LEAR	06	0929	0932	0938	S19	W15	9767	01	5.2	9	SF		2	E		52		F
	SVTO	06	0931	0933	0937	S18	W16	9767	01	5.2	6	SF		3	E		24		FH
0075	KANZ	06	1055	1058	1112	S18	W15	9767	01	5.3	17	SF		2	E				
0076	KANZ	06	1107	1113	1118	N15	E40	9773	01	9.5	11	SF		2	E				

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0077		06	1138	1140	1204	S17	W13	9767	01	5.5	26	SF					58		F
	SVTO	06	1138	1140	1203	S17	W13	9767	01	5.5	25	SF		3	E		58		F
	KANZ	06	1138	1140	1204	S17	W13	9767	01	5.5	26	SF		2	E				
0078		06	12111	1213	1222	N14	E48	9773	01	10.1	11	SF					15		
	KANZ	06	1211	1213	1222	N13	E47	9773	01	10.0	11	SF		2	E				
	SVTO	06	1212	1213	1221	N14	E49	9773	01	10.2	9	SF		3	E		15		
0079		06	13091	1310	1322	S21	W09	9767	01	5.8	13	SF					21		
	KANZ	06	1309	1310	1327	S21	W09	9767	01	5.8	18	SF		2	E				
	SVTO	06	1310	1310	1318	S21	W09	9767	01	5.8	8	SF		3	E		21		
0080		06	13531	1356	1406	N15	E40	9773	01	9.6	13	SF					21		
	KANZ	06	1353	1356	1359D	N15	E39	9773	01	9.5	6D	SF		2	E				
	SVTO	06	1354	1356	1406	N15	E40	9773	01	9.6	12	SF		3	E		21		
0081	SVTO	06	1440	1444	1448	S18	W18	9767	01	5.2	8	SF		3	E		42		
		06	1655		1700	No Flare Patrol													
0082	HOLL	06	1839	1842	1844	S18	W20	9767	01	5.2	5	SF		3	E		15		
0083	HOLL	06	2052	2053	2056	S18	W21	9767	01	5.3	4	SF		3	E		22		
		06	2137		2156	No Flare Patrol													
		06	2201		2231	No Flare Patrol													
0084	LEAR	07	0532	0532	0540	N16	E33	9773	01	9.7	8	SF		3	E		18		
0085	LEAR	07	0643	0645	0700	N15	E37	9773	01	10.1	17	1F		3	E		145		FH
0086		07	13181	13191	1334	S22	W24	9767	01	5.7	16	SF					20		F
	RAMY	07	1318	1319	1338	S22	W24	9767	01	5.7	20	SF		3	E		20		F
	KANZ	07	1319	1320	1329	S22	W24	9767	01	5.7	10	SF		2	E				
0087		07	1415	14181	1436	S21	W26	9767	01	5.6	21	SF					67		FU
	SVTO	07	1415	1418	1433	S22	W24	9767	01	5.7	18	SF		3	E		56		U
	RAMY	07	1415	1419	1439	S20	W27	9767	01	5.5	24	SF		3	E		78		UF
0088	RAMY	07	1559	1559	1608	N14	E27	9773	01	9.7	9	SF		3	E		13		
0089	RAMY	07	1819	1819	1822	N08	W58	9763	01	3.4	3	SF		3	E		19		H
0090	HOLL	07	2049	2050	2053	N07	W58	9765	01	3.5	4	SF		3	E		21		
0091	HOLL	07	2055	2058	2124	N13	E24	9773	01	9.7	29	SF		3	E		42		F
0092	HOLL	07	2245	2248	2307	N14	E24	9773	01	9.8	22	SF		3	E		28		F
0093	KANZ	08	1032	1032	1040	N11	E51	9776	01	12.3	8	SF		2	E				
0094		08	12542	12591	1307	N15	E15	9773	01	9.7	13	SF					30		FH
	KANZ	08	1254	1259	1309	N16	E14	9773	01	9.6	15	SF		2	E				
	SVTO	08	1256	1259	1304	N14	E15	9773	01	9.7	8	SF		3	E		17		FH
	RAMY	08	1256	1300	1307	N14	E17	9773	01	9.8	11	SF		3	E		43		F
0095		08	17152	17181	1751	S21	W40	9767	01	5.6	36	1F					154		FU
	RAMY	08	1715	1718	1753	S24	W38	9767	01	5.8	38	1F		3	E		149		UF
	HOLL	08	1717	1719	1749	S18	W42	9767	01	5.5	32	1F		3	E		158		UF
0096	HOLL	08	1722	1728	1734	S18	E79	9778	01	14.7	12	SF		3	E		25		
0097		08	20182	20228	2101	S18	W44	9767	01	5.5	43	SF					36		F
	RAMY	08	2018	2030	2106	S18	W44	9767	01	5.5	48	SF		3	E		42		F
	HOLL	08	2020	2022	2056	S18	W43	9767	01	5.6	36	SF		3	E		30		F
0098	HOLL	08	2207	2223	2234	N14	E11	9773	01	9.7	27	SF		3	E		36		FH

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0099		08	2253	2256	2311	N14	E07	9773	01	9.5	18	SF					61		F
	HOLL	08	2253	2256	2315	N13	E06	9773	01	9.4	22	SF		3	E		77		F
	LEAR	08	2255E	2255U	2307	N14	E08	9773	01	9.5	12D	SF		2	E		45		F
0100	HOLL	08	2325	2338	2349	N14	E12	9773	01	9.9	24	SF		3	E		28		F
0101	LEAR	09	0043	0051	0101	N15	E08	9773	01	9.6	18	SF		1	E		30		F
0102	LEAR	09	0051	0054	0057	S19	W45	9767	01	5.6	6	SF		1	E		21		F
0103		09	03011	03021	0306	N14	E04	9773	01	9.4	5	SN					41	0.7	DF
	MITK	09	0301	0302	0304	N14	E04	9773	01	9.4	3	SN			C	0302	66	0.7	D
	LEAR	09	0302	0303	0308	N14	E05	9773	01	9.5	6	SF		2	E		16		F
0104	MITK	09	0304	0314	0319	N13	E03	9773	01	9.3	15	1B			C	0314	75	3.0	E
0105	MITK	09	0335	0356	0419	N03	E03		01	9.4	44	SN			C	0335	158	1.7	,EH
0106	LEAR	09	0401	0407	0418	S20	W45	9767	01	5.7	17	SF		1	E		39		F
0107	MITK	09	0421	0423	0431	N14	E02	9773	01	9.3	10	SN			C	0423	98	1.1	D
0108	MITK	09	0445	0446	0450	N13	E02	9773	01	9.3	5	SN			C	0446	72	0.8	D
0109	MITK	09	0512	0515	0521	N13	E03	9773	01	9.4	9	SN			C	0515	72	0.8	D
0110	LEAR	09	0546	0547	0553	S14	E67	9778	01	14.3	7	SF		2	E		43		F
0111	MITK	09	0541	0542	0547	N13	E01	9773	01	9.3	6	SN			C	0542	158	1.7	D
0112	MITK	09	0548	0549	0557	N14	E03	9773	01	9.5	9	SN			C	0549	112	1.2	D
0113	MITK	09	0600	0603	0606	N14	E02	9773	01	9.4	6	SN			C	0603	118	1.3	D
0114	LEAR	09	0630	0633	0636	N14	E03	9773	01	9.5	6	SF		1	E		24		F
0115	LEAR	09	0638	0640	0657	N14	E04	9773	01	9.6	19	SF		2	E		59		F
0116	LEAR	09	0646	0649	0657	S14	E66	9778	01	14.3	11	SF		2	E		51		
0117	LEAR	09	0744	0752	0758	N13	E00	9773	01	9.3	14	SF		2	E		52		F
0118	LEAR	09	0805	0809	0812	N32	E57	9779	01	13.8	7	SF		1	E		20		FH
0119	LEAR	09	0817	0818	0822	S13	E65	9778	01	14.2	5	SF		1	E		73		F
0120	LEAR	09	0848	0848	0854	S16	W54	9767	01	5.3	6	SF		1	E		23		F
0121	KANZ	09	0848	0849	0854	S17	W52	9767	01	5.4	6	SF		2	E				
0122	KANZ	09	0950	0954	0958	N13	W02	9773	01	9.2	8	SF		2	E				
0123	KANZ	09	1050	1053	1059	N13	W02	9773	01	9.3	9	SN		2	E				
0124	KANZ	09	1105	1146U	1212	N13	W02	9773	01	9.3	67	1N		2	E				
0125	RAMY	09	1115E	1147	1214	N13	E08	9773	01	10.1	59D	1F		3	E		132		F
0126	RAMY	09	1251	1305	1310	N13	W01	9773	01	9.4	19	SF		3	E		13		
0127	RAMY	09	1744	1800	1900	N13	W02	9773	01	9.6	76	2B		3	E		472		FU
		09	1945		1949	No Flare Patrol													
0128	RAMY	09	1958	1959	2004	S19	E72	9778	01	15.3	6	SF		3	E		70		H
		09	2037		2041	No Flare Patrol													
		09	2055		2101	No Flare Patrol													
		09	2105		2115	No Flare Patrol													
		09	2145		2230	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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0129	LEAR	09	2321	2321	2323	N15	W10	9773	01	9.2	2	SF		2	E		42		F
0130	LEAR	10	0251	0253	0316	S17	W66	9771	01	5.1	25	SF		2	E		36		F
0131	LEAR	10	0255	0256	0304	S24	W56	9767	01	5.8	9	SF		2	E		32		F
0132	LEAR	10	0305	0307	0312	S24	W56	9767	01	5.8	7	SF		2	E		21		F
0133	LEAR	10	0451	0455	0504	S04	E08	9775	01	10.8	13	SF		2	E		17		F
0134	LEAR	10	0738	0756	0830	N13	W10	9773	01	9.6	52	SF		2	E		35		F
0135	LEAR	10	0846	0851	0857	S15	E57	9778	01	14.7	11	SF		2	E		15		
0136	SVTO	10	0858E	0858U	0923	N13	W42	9773	01	7.2	25D	SF		2	E		60		
0137	LEAR	10	0938	0946	1004	N14	W09	9773	01	9.7	26	SF		2	E		23		F
0138	SVTO	10	1030E	1034U	1102	N14	W12	9773	01	9.5	32D	SF		3	E		18		F
0139	RAMY	10	1154	1156	1205	S20	W64	9767	01	5.6	11	SF		3	E		18		F
0140	RAMY	10	1419	1419	1423	N14	W10	9773	01	9.8	4	SF		3	E		11		F
0141		10	1511*	1516*	1542	N14	W12	9773	01	9.7	31	SF					48		F
	HOLL	10	1511	1516	1545	N14	W13	9773	01	9.6	34	SF		3	E		67		F
	RAMY	10	1529	1530	1540	N14	W10	9773	01	9.9	11	SF		3	E		29		F
0142	HOLL	10	1511	1516	1524	S15	E49	9778	01	14.3	13	SF		3	E		13		
0143	RAMY	10	1605	1606	1621	N14	W16	9773	01	9.5	16	SF		3	E		14		F
0144	HOLL	10	1855	1856	1900	S15	E48	9778	01	14.4	5	SF		3	E		10		
0145	RAMY	10	1921	1925	1933	S17	E47	9778	01	14.4	12	SF		3	E		21		FH
0146	RAMY	10	2004	2005	2009	N14	W19	9773	01	9.4	5	SF		3	E		27		
0147	RAMY	10	2016	2025	2044	N14	W19	9773	01	9.4	28	SF		3	E		45		F
0148		10	2348*	23538	2412	N10	W22	9773	01	9.3	24	SN					90	1.9	,BE
	LEAR	10	2348	2353	2409	N11	W23	9773	01	9.3	21	SF		2	E		17		
	MITK	10	2359	2401	2416	N10	W22	9773	01	9.3	17	SN			C	2401	163	1.9	B,E
0149	MITK	11	0532	0534	0535	N13	W23	9773	01	9.5	3	SN			C	0534	59	0.7	B
0150	LEAR	11	0650	0653	0658	S06	W08	9775	01	10.7	8	SF		3	E		12		
0151	LEAR	11	0755	0800	0809	N30	E36	9779	01	14.2	14	SF		3	E		96		F
0152	LEAR	11	0757	0801	0816	S19	W79	9767	01	5.3	19	SF		3	E		51		
0153		11	0918	09181	0930	N12	W26	9773	01	9.4	12	SF					13		
	LEAR	11	0918	0918	0931	N12	W26	9773	01	9.4	13	SF		2	E		13		
	KANZ	11	0918	0919	0929	N12	W25	9773	01	9.5	11	SF		2	E				
0154		11	09452	09471	0952	N30	E34	9779	01	14.1	7	SF					19		
	LEAR	11	0945	0947	0952	N31	E35	9779	01	14.2	7	SF		2	E		19		
	KANZ	11	0947	0948	0951	N30	E34	9779	01	14.1	4	SF		2	E				
0155		11	09495	09534	0958	N15	W20	9773	01	9.9	9	SF					12		
	KANZ	11	0949	0953	0959	N15	W20	9773	01	9.9	10	SF		2	E				
	LEAR	11	0954	0957	0958	N15	W21	9773	01	9.8	4	SF		2	E		12		
0156	RAMY	11	1224	1225	1228	N13	W28	9773	01	9.4	4	SF		3	E		28		F
0157		11	1224*	1236	1245	N12	W28	9773	01	9.4	21	SF					30		F
	KANZ	11	1224	1236	1245	N12	W28	9773	01	9.4	21	SF		2	E				
	RAMY	11	1234	1236	1245	N13	W27	9773	01	9.5	11	SF		3	E		30		F

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0158		11	13201	13271	1340	N16	W22	9773	01	9.9	20	SF					20		
	KANZ	11	1320	1327	1339	N16	W23	9773	01	9.8	19	SF		2	E				
	RAMY	11	1321	1328	1340	N17	W22	9773	01	9.9	19	SF		3	E		20		
0159		11	1333	13331	1341	S04	W10	9775	01	10.8	8	SF					12		
	KANZ	11	1333	1333	1340	S04	W11	9775	01	10.7	7	SF		2	E				
	RAMY	11	1333	1334	1342	S04	W09	9775	01	10.9	9	SF		3	E		12		
0160		11	1847	18482	1854	S06	W16	9775	01	10.6	7	SF					20		
	RAMY	11	1847	1848	1855	S06	W16	9775	01	10.6	8	SF		3	E		24		
	HOLL	11	1847	1850	1853	S05	W16	9775	01	10.6	6	SF		3	E		15		
0161	HOLL	11	1958	2007	2019	N16	W27	9773	01	9.8	21	SF		3	E		34		F
0162	HOLL	11	2049	2053	2100	S05	W15	9775	01	10.7	11	SF		3	E		14		F
0163	LEAR	12	0110	0112	0131	N12	W33	9773	01	9.6	21	SF		2	E		29		F
0164	LEAR	12	0311	0311	0317	N11	E78	9782	01	18.0	6	SF		3	E		20		F
0165	LEAR	12	0318	0318	0320	N11	E77	9782	01	17.9	2	SF		3	E		20		
0166		12	03131	03185	0344	S06	W19	9775	01	10.7	31	1N					162	3.0	,FH
	LEAR	12	0313	0318	0345	S07	W19	9775	01	10.7	32	SF		3	E		48		F
	MITK	12	0314	0323	0344	S06	W19	9775	01	10.7	30	1B			C	0323	276	3.0	F,H
0167	LEAR	12	0738	0744	0758	S06	W21	9775	01	10.7	20	SF		3	E		45		F
0168		12	08391	0840	0844	N15	W37	9773	01	9.5	5	SF					24		F
	LEAR	12	0839	0840	0844	N15	W38	9773	01	9.5	5	SF		2	E		24		F
	KANZ	12	0840	0840	0845	N15	W36	9773	01	9.6	5	SF		1	E				
0169		12	0856	08561	0920	N12	W41	9773	01	9.3	24	1F					93		FH
	LEAR	12	0856	0856	0928	N11	W41	9773	01	9.3	32	1F		2	E		126		FH
	KANZ	12	0856	0857	0910	N11	W40	9773	01	9.4	14	1F		2	E				
	SVTO	12	0858E	0858U	0923	N13	W42	9773	01	9.2	25D	SF		2	E		60		
0170	KANZ	12	1109	1109	1110	N13	W37	9773	01	9.7	1	SF		2	E				
0171	KANZ	12	1204	1206	1209	S07	W29	9775	01	10.3	5	SF		2	E				
0172	KANZ	12	1215	1219	1227	N14	W34	9773	01	9.9	12	SF		2	E				
0173		12	15062	15176	1600	S06	W25	9775	01	10.7	54	1N					128		F
	RAMY	12	1506	1517	1606	S05	W26	9775	01	10.7	60	1N		3	E		134		F
	HOLL	12	1508	1523	1554	S06	W24	9775	01	10.8	46	1F		3	E		121		F
0174		12	15401	1543	1549	N17	W40	9773	01	9.6	9	SF					34		F
	RAMY	12	1540	1543	1553	N18	W40	9773	01	9.6	13	SF		3	E		35		
	HOLL	12	1541	1543	1545	N16	W41	9773	01	9.5	4	SF		3	E		34		F
0175		12	17451	1748	1752	N17	W37	9773	01	9.9	7	SF					22		
	RAMY	12	1745	1748	1754	N18	W37	9773	01	9.9	9	SF		3	E		29		
	HOLL	12	1746	1748	1751	N16	W37	9773	01	9.9	5	SF		3	E		15		
0176	RAMY	12	1755	1757	1801	S05	W28	9775	01	10.6	6	SF		3	E		17		
0177		12	1918	1918	1932	N18	W35	9773	01	10.1	14	SF					30		
	HOLL	12	1918	1918	1925	N18	W35	9773	01	10.1	7	SF		3	E		27		
	RAMY	12	1918	1918	1938	N19	W35	9773	01	10.1	20	SF		3	E		32		
0178	HOLL	12	1926	1927	1943	S07	W34	9775	01	10.3	17	SN		3	E		73		F
0179		12	19282	19282	1936	S10	W40	9772	01	9.8	8	SF					23		F
	RAMY	12	1928	1928	1939	S08	W42	9772	01	9.7	11	SF		3	E		33		
	HOLL	12	1930	1930	1934	S11	W39	9772	01	9.9	4	SF		3	E		13		F
0180	LEAR	13	0205	0205	0212	N30	E15	9779	01	14.3	7	SF		3	E		26		F

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0181	LEAR	13	0306	0311	0328	N17	W40	9773	01 10.1	22	1N		3	E		218		F
0182	LEAR	13	0350	0351	0359	N06	E54	9782	01 17.2	9	SF		3	E		49		F
0183		13	03582	0401	0404	S14	E16	9778	01 14.4	6	SN					56	0.9	DF
	LEAR	13	0358	0401	0405	S14	E15	9778	01 14.3	7	SF		3	E		32		F
	MITK	13	0400	0401	0402	S15	E16	9778	01 14.4	2	SN			C	0401	79	0.9	D
0184	LEAR	13	0536	0538	0551	N30	E13	9779	01 14.2	15	SF		2	E		70		F
0185	LEAR	13	0734	0735	0738	N09	E52	9782	01 17.2	4	SF		2	E		24		
0186	LEAR	13	0751	0752	0758	N17	W43	9773	01 10.0	7	SF		2	E		29		F
0187		13	1055	1055	1057	N18	W46	9773	01 9.9	2	SF					17		
	KANZ	13	1055	1055	1056	N17	W46	9773	01 9.9	1	SF		2	E				
	SVTO	13	1055	1055	1058	N18	W47	9773	01 9.9	3	SF		3	E		17		
0188		13	1203	12041	1210	N30	E10	9779	01 14.3	7	SF					18		
	KANZ	13	1203	1204	1210	N29	E09	9779	01 14.2	7	SF		2	E				
	SVTO	13	1203	1205	1210	N30	E10	9779	01 14.3	7	SF		3	E		18		
0189		13	13221	1323	1327	S16	E12	9778	01 14.5	5	SF					22		F
	RAMY	13	1322	1323	1329	S16	E12	9778	01 14.5	7	SF		3	E		30		F
	KANZ	13	1323	1323	1326	S15	E12	9778	01 14.5	3	SF		2	E				
	SVTO	13	1323	1323	1327	S16	E13	9778	01 14.5	4	SF		3	E		15		F
0190		13	13163	13165	1339	S06	W45	9775	01 10.2	23	SF					42		F
	KANZ	13	1316	1316	1328	S07	W45	9775	01 10.2	12	SF		2	E				
	RAMY	13	1319	1321	1350	S06	W45	9775	01 10.2	31	SF		3	E		42		F
0191		13	1337	13371	1342	S06	W44	9775	01 10.3	5	SF					41		
	KANZ	13	1337	1337	1342	S06	W43	9775	01 10.3	5	SF		2	E				
	SVTO	13	1337	1338	1342	S05	W44	9775	01 10.3	5	SF		3	E		41		
0192	HOLL	13	1534	1536	1539	N17	W50	9773	01 9.8	5	SF		3	E		17		
0193	RAMY	13	1617	1623	1626	N02	E50	9782	01 17.4	9	SF		3	E		53		F
0194	RAMY	13	1617	1623	1626	S02	W41	9775	01 10.6	9	SF		3	E		28		F
0195	HOLL	13	1708	1709	1712	S07	W46	9775	01 10.3	4	SF		3	E		26		
0196		13	17501	1751	1806	N06	E47	9782	01 17.3	16	SF					16		
	HOLL	13	1750	1751	1754	N07	E47	9782	01 17.3	4	SF		3	E		14		
	RAMY	13	1751	1751	1818	N05	E47	9782	01 17.2	27	SF		3	E		19		
0197	HOLL	13	1805	1818	1827	N02	E50	9782	01 17.5	22	SF		3	E		38		F
0198	RAMY	13	1821	1824	1859	N00	E46	9782	01 17.2	38	SF		3	E		68		F
0199		13	1942	1946	1953	S06	W46	9775	01 10.4	11	1N					113		FH
	HOLL	13	1942	1946	1953	S07	W48	9775	01 10.2	11	SF		3	E		94		FH
	RAMY	13	1944E	1945U	1953D	S05	W44	9775	01 10.5	9D	1N		3	E		132		
0200	HOLL	13	2002	2003	2010	N04	E48	9782	01 17.4	8	SF		3	E		14		
0201	HOLL	13	2002	2004	2016	S07	W49	9775	01 10.2	14	SF		3	E		10		
0202		13	2340	23401	2346	S15	E05	9778	01 14.4	6	SF					24		F
	LEAR	13	2340	2340	2343	S15	E06	9778	01 14.4	3	SF		3	E		25		F
	HOLL	13	2340	2341	2348	S15	E04	9778	01 14.3	8	SF		3	E		24		F
0203	LEAR	14	0123	0124	0135	N05	E44	9782	01 17.3	12	SF		3	E		20		F
0204		14	01263	0147	0156	S07	W52	9775	01 10.2	30	1N					136	3.9	F
	LEAR	14	0126	0145U	0155	S07	W52	9775	01 10.2	29	SF		3	E		37		F
	MITK	14	0129	0147	0156	S07	W52	9775	01 10.2	27	1B			C	0147	236	3.9	

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0205		14	01488	01552	0320	N05	E44	9782	01 17.4	92	2N					466	9.6	,FH
	LEAR	14	0148	0155	0310	N05	E44	9782	01 17.4	82	2N		3	E		263		F
	MITK	14	0156	0157	0330	N05	E43	9782	01 17.3	94	2N			C	0157	670	9.6	F,H
0206		14	03597	04033	0411	S15	W00	9778	01 14.2	12	SN					23	0.2	DF
	LEAR	14	0359	0403	0415	S15	W03	9778	01 13.9	16	SF		3	E		26		F
	MITK	14	0406	0406	0407	S15	E02	9778	01 14.3	1	SN			C	0406	20	0.2	D
0207	MITK	14	0501	0501	0504	S15	E02	9778	01 14.4	3	SN			C	0501	66	0.7	D
		14	1038		1042	No Flare Patrol												
		14	1044		1119	No Flare Patrol												
0208	RAMY	14	1422	1423	1427	S07	W59	9775	01 10.2	5	SF		3	E		30		F
0209		14	2057	2057	2101	N03	E34	9782	01 17.4	4	SF					18		
	RAMY	14	2057	2057	2101	N03	E34	9782	01 17.4	4	SF		3	E		17		
	HOLL	14	2057	2057	2101	N03	E34	9782	01 17.4	4	SF		3	E		20		
0210	HOLL	14	2238	2238	2242	S05	W65	9775	01 10.1	4	SF		3	E		13		F
0211	HOLL	14	2335	2336	2340	N17	W70	9773	01 9.7	5	SF		3	E		25		
		15	0122		0155	No Flare Patrol												
0212	LEAR	15	0302	0303	0308	N17	W73	9773	01 9.6	6	SF		3	E		40		
0213	LEAR	15	0433	0435	0438	N16	W76	9773	01 9.4	5	SF		3	E		29		F
0214	LEAR	15	0955	1001	1010	N07	E25	9782	01 17.3	15	SF		2	E		31		F
		15	1040		1131	No Flare Patrol												
0215	RAMY	15	1750	1751	1756	S06	W70	9775	01 10.5	6	SF		3	E		54		
0216	HOLL	15	1808	1808U	1830	S08	W71	9775	01 10.4	22	SF		3	E		24		F
0217	RAMY	15	1856	1907	1913	S05	W75	9775	01 10.2	17	SF		3	E		30		F
0218	RAMY	15	1927	1934	1943	S05	W75	9775	01 10.2	16	SF		3	E		43		
0219	RAMY	15	2026	2027	2031	S05	W75	9775	01 10.2	5	SF		3	E		20		F
0220	HOLL	15	2120E	2121	2123	S07	W76	9775	01 10.2	3D	SF		3	E		36		F
0221	HOLL	15	2131	2132	2135	S07	W76	9775	01 10.2	4	SF		3	E		17		
0222	HOLL	15	2150	2152	2213	S08	W76	9775	01 10.2	23	SF		3	E		19		
		15	2224		2400	No Flare Patrol												
		16	0000		0037	No Flare Patrol												
0223	LEAR	16	0149	0150	0203	S08	W79	9775	01 10.1	14	SF		2	E		20		FH
0224	LEAR	16	0306	0306	0310	S08	W80	9775	01 10.1	4	SF		1	E		20		F
0225	LEAR	16	0805	0809	0814	S07	W80	9775	01 10.3	9	SF		2	E		41		F
0226	LEAR	16	0813	0813	0817	N14	W89	9773	01 9.6	4	SF		2	E		20		
0227	LEAR	16	0917	0918	0921	S07	W85	9775	01 10.0	4	SF		2	E		16		F
0228		16	1009	1010	1017	S06	W79	9775	01 10.5	8	SF					62		F
	LEAR	16	1009	1010	1014	S08	W83	9775	01 10.2	5	SF		2	E		44		F
	SVTO	16	1009	1010	1020	S05	W75	9775	01 10.8	11	SF		3	E		81		F
		16	1024		1028	No Flare Patrol												
		16	1030		1059	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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0229	RAMY	16	1226	1237	1244	S06	W82	9775	01 10.4	18	SF		3	E		34		F
		16	1407		1413	No Flare Patrol												
		16	1415		1422	No Flare Patrol												
		16	1436		1507	No Flare Patrol												
0230		16	15257	1527	1539	S06	W84	9775	01 10.3	14	SF					60		
	RAMY	16	1525	1527	1545D	S05	W83	9775	01 10.4	20D	SF		3	E		26		
	HOLL	16	1532	1532U	1539	S06	W85	9775	01 10.3	7	SF		1	E		93		
0231		16	16501	1655	1710	S08	W88	9775	01 10.1	20	SF					95		F
	RAMY	16	1650	1655	1712	S07	W88	9775	01 10.1	22	SF		3	E		92		F
	HOLL	16	1651	1655	1709	S08	W89	9775	01 10.0	18	SF		3	E		98		F
0232	HOLL	16	1753	1756	1816	N15	W89	9773	01 10.0	23	SN		3	E		78		
0233	RAMY	16	1804	1804	1817	N15	W89	9773	01 10.0	13	SF		3	E		46		
0234	RAMY	16	1929	1929	1938	S06	W88	9775	01 10.2	9	SF		3	E		27		
0235	RAMY	16	2005	2005	2028	N14	W79	9773	01 10.9	23	SF		3	E		71		H
		16	2012		2025	No Flare Patrol												
0236	RAMY	16	2046	2047	2050	S05	W86	9775	01 10.4	4	SF		3	E		26		H
		16	2203		2213	No Flare Patrol												
0237	HOLL	16	2238	2239	2243	S05	W88	9775	01 10.4	5	SF		3	E		16		
		16	2253		2258	No Flare Patrol												
0238	LEAR	17	0215	0219	0224	S08	W90	9775	01 10.3	9	SF		3	E		77		FH
0239	LEAR	17	0309	0311	0319	S09	W78	9775	01 11.3	10	SF		3	E		73		FH
0240		17	12091	12132	1228	S10	E22	9783	01 19.1	19	SF					35		F
	KANZ	17	1209	1213	1227	S10	E22	9783	01 19.1	18	SF		2	E				
	RAMY	17	1210	1215	1228	S11	E23	9783	01 19.2	18	SF		3	E		35		F
		18	0020		0046	No Flare Patrol												
0241		18	1156	11562	1208	N18	E24	9789	01 20.3	12	SF					21		F
	SVTO	18	1156	1156	1210	N18	E24	9789	01 20.3	14	SF		3	E		21		F
	KANZ	18	1156	1158	1207	N17	E24	9789	01 20.3	11	SF		2	E				
		18	2102		2111	No Flare Patrol												
		18	2139		2243	No Flare Patrol												
0242	LEAR	19	0052	0053	0059	S08	E71	9787	01 24.3	7	SF		3	E		16		F
0243	LEAR	19	1004	1005	1011	S08	E64	9787	01 24.2	7	SF		2	E		52		
		19	1027		1054	No Flare Patrol												
0244	RAMY	19	2008	2008	2012	N15	E42	9788	01 23.0	4	SF		3	E		18		F
		19	2158		2243	No Flare Patrol												
0245	LEAR	20	0256	0301	0306	S08	E55	9787	01 24.2	10	SF		2	E		25		F
0246	LEAR	20	0457	0459	0511	N16	E37	9788	01 23.0	14	SF		3	E		13		F
0247	LEAR	20	0638	0642	0647	S07	E52	9787	01 24.2	9	SF		3	E		16		
0248	LEAR	20	0652	0655	0706	S07	E51	9787	01 24.1	14	SF		3	E		27		
0249	KANZ	20	1114	1114	1118	S14	E39	9793	01 23.4	4	SF		2	E				

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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	See	Obs Type	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0250	HOLL	20	1603	1608	1610	N18	E34	9788	01 23.2	7	SF		3	E		12		F
0251	HOLL	20	1624	1625	1638	S09	E46	9787	01 24.1	14	SF		3	E		20		
0252		20	2310	2312*	2337	N18	E28	9788	01 23.1	27	SF					43		F
	HOLL	20	2310	2312	2337	N18	E27	9788	01 23.0	27	SF		3	E		27		
	LEAR	20	2310	2323	2337	N18	E28	9788	01 23.1	27	SF		3	E		59		F
0253	LEAR	21	0136	0137	0153	N18	E25	9788	01 23.0	17	SF		3	E		30		F
0254	LEAR	21	0324	0328	0350	N18	E25	9788	01 23.0	26	SF		3	E		79		F
0255	LEAR	21	0537	0539	0542	N07	W45	9785	01 17.9	5	SF		3	E		13		
0256	LEAR	21	0743	0744	0755	N15	W20	9789	01 19.8	12	SF		3	E		12		
0257	HOLL	21	1818	1818	1822	S03	W28	9791	01 19.7	4	SF		3	E		16		
0258	HOLL	21	2237	2242	2245	S02	W30	9791	01 19.7	8	SF		3	E		18		
		22	0410		0441	No Flare Patrol												
		22	0454		0509	No Flare Patrol												
0259	KANZ	22	0749E	0750U	0815	S13	E16	9793	01 23.5	26D	SF		2	E				
0260		22	08542	08571	0908	S02	W37	9791	01 19.6	14	SF					104		EF
	KANZ	22	0854	0858	0907	S02	W36	9791	01 19.7	13	SF		2	E				
	LEAR	22	0855	0858	0910	S02	W37	9791	01 19.6	15	1N		3	E		146		FE
	SVTO	22	0856	0857	0908	S02	W37	9791	01 19.6	12	SF		3	E		63		F
0261	LEAR	22	0914	0914	0921	S09	E22	9787	01 24.0	7	SF		3	E		13		
0262		22	1311	13133	1322	N17	W34	9789	01 20.0	11	SF					51		
	KANZ	22	1311	1313	1322	N17	W35	9789	01 19.9	11	SF		2	E				
	SVTO	22	1311	1316	1323	N17	W32	9789	01 20.1	12	SF		3	E		51		
0263	KANZ	22	1422	1424	1435	S03	W39	9791	01 19.7	13	SF		2	E				
0264	HOLL	22	1639	1639	1645	S16	E10	9793	01 23.4	6	SF		3	E		24		FH
0265	HOLL	22	1824	1826	1831	N13	E40	9794	01 25.8	7	SF		3	E		12		F
0266	RAMY	22	2131	2131	2132D	N17	W36	9789	01 20.2	1D	SF		3	E		77		F
0267	HOLL	22	2207	2211	2218	S24	E68	9799	01 28.2	11	SF		3	E		16		F
0268	HOLL	22	2241	2242	2249	N12	E36	9794	01 25.6	8	SF		3	E		20		F
0269	RAMY	22	2311	2311	2311D	N17	W36	9789	01 20.2	8D	SF		3	E		77		F
0270	HOLL	22	2330	2333	2337	S05	E21	9787	01 24.5	7	SF		3	E		14		F
0271	LEAR	23	0335	0336	0340	N11	E34	9794	01 25.7	5	SF		3	E		12		
0272		23	0906	0907	0922	S06	E08	9787	01 24.0	16	SF					33		FH
	KANZ	23	0906	0907	0922	S05	E08	9787	01 24.0	16	SF		2	E				
	LEAR	23	0906	0907	0922	S06	E09	9787	01 24.0	16	SF		3	E		33		FH
0273		23	09571	09591	1002	S09	W56	9783	01 19.2	5	SF					20		
	KANZ	23	0957	1000	1002	S09	W56	9783	01 19.2	5	SF		2	E				
	SVTO	23	0958	0959	1002	S09	W57	9783	01 19.1	4	SF		3	E		20		
0274		23	1334	1336	1358	N12	E28	9794	01 25.7	24	SF					72		F
	SVTO	23	1334	1336	1357	N12	E29	9794	01 25.7	23	SF		3	E		72		F
	KANZ	23	1334	1336	1400	N12	E28	9794	01 25.7	26	SF		2	E				
		23	1420		1423	No Flare Patrol												
0275	HOLL	23	2227	2228	2235	S08	E01	9787	01 24.0	8	SF		3	E		17		

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0276		24	0509	05091	0514	S09	W02	9787	01 24.1	5	SN					30	0.5	H
	MITK	24	0509	0509	0510	S09	W02	9787	01 24.1	1	SN			C	0509	46	0.5	H
	LEAR	24	0509	0510	0517	S09	W02	9787	01 24.1	8	SF		3	E		14		
0277	LEAR	24	0608	0608	0634	N13	E21	9794	01 25.8	26	SF		3	E		17		F
0278	MITK	24	0610	0612	0616	N13	E20	9794	01 25.8	6	SN			C	0612	46	0.5	E
		24	0805		0832	No Flare Patrol												
		24	1029		1302	No Flare Patrol												
		24	1311		1323	No Flare Patrol												
		24	1339		1411	No Flare Patrol												
		24	1505		1605	No Flare Patrol												
		24	1634		1713	No Flare Patrol												
		24	1725		1735	No Flare Patrol												
		24	1819		1925	No Flare Patrol												
		24	2013		2048	No Flare Patrol												
0279	HOLL	24	2049	2050	2054	S11	W10	9787	01 24.1	5	SF		3	E		18		F
0280	LEAR	25	0217	0224	0307	N13	E10	9794	01 25.8	50	SN		3	E		85		EF
0281	KANZ	25	1132	1134	1141	S08	W19	9787	01 24.0	9	SF		2	E				
0282	RAMY	25	1735	1736	1742	N12	E00	9794	01 25.7	7	SF		3	E		14		F
0283	HOLL	25	2348	2349	2351	N07	E62	9800	01 30.6	3	SF		3	E		28		
		26	0019		0128	No Flare Patrol												
		26	0130		0629	No Flare Patrol												
0284		26	1235	1237	1257	N06	E56	9800	01 30.7	22	SF					20		F
	RAMY	26	1235	1237	1300	N06	E57	9800	01 30.8	25	SF		3	E		20		F
	KANZ	26	1237E	1237U	1254	N07	E55	9800	01 30.6	17D	SF		2	E				
0285	SVTO	26	1236	1250	1300	N03	E56	9800	01 30.7	24	SF		3	E		28		F
0286	SVTO	26	1254	1300	1313	N15	W49	9788	01 22.8	19	SF		3	E		21		
0287		26	13511	13512	1359	N18	W49	9788	01 22.8	8	SF					18		F
	SVTO	26	1351	1351	1358	N16	W49	9788	01 22.9	7	SF		3	E		26		
	RAMY	26	1351	1352	1403	N19	W49	9788	01 22.8	12	SF		3	E		10		F
	KANZ	26	1352	1353	1357	N18	W49	9788	01 22.8	5	SF		2	E				
0288	HOLL	26	1947	1947	1950	S15	E78	9802	02 1.7	3	SF		3	E		17		F
0289	RAMY	26	2101	2105	2115	N20	W55	9788	01 22.7	14	SF		3	E		12		
0290	HOLL	26	2225	2226	2234	N19	W57	9788	01 22.6	9	SF		3	E		30		F
		27	0000		0001	No Flare Patrol												
		27	0003		0150	No Flare Patrol												
		27	0157		0356	No Flare Patrol												
		27	0632		0704	No Flare Patrol												
0291		27	1214	1214	1218	N18	W62	9788	01 22.8	4	SF					55		
	RAMY	27	1214	1214	1218	N18	W62	9788	01 22.8	4	SF		3	E		51		
	SVTO	27	1214	1214	1219	N18	W63	9788	01 22.7	5	SF		3	E		59		
0292	RAMY	27	1720	1722	1731	S07	W48	9787	01 24.1	11	SF		3	E		28		F
0293	RAMY	27	2033	2033	2036	S17	E61	9802	02 1.5	3	SF		3	E		18		
		27	2152		2225	No Flare Patrol												
		28	0000		0000	No Flare Patrol												
0294	LEAR	28	0305	0309	0313	N19	W71	9788	01 22.7	8	SF		2	E		29		F
		28	0633		0654	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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0295	LEAR	28	0659	0703	0712	S06	W55	9787	01 24.2	13	SF		2	E		33		
0296	LEAR	28	0717	0718	0721	N13	W32	9794	01 25.9	4	SF		2	E		18		
0297	LEAR	28	0818	0818	0825	S09	W51	9787	01 24.5	7	SF		2	E		15		
0298	LEAR	28	0828	0831	0833	S09	W51	9787	01 24.5	5	SF		2	E		21		F
		28	1026		1210	No Flare Patrol												
0299	RAMY	28	1318E	1318U	1324	S04	W55	9787	01 24.4	6D	SF		3	E		48		
0300		28	1359	1400	1404	S08	W58	9787	01 24.2	5	SF					39		
	KANZ	28	1359	1400	1404	S10	W56	9787	01 24.4	5	SF		2	E				
	RAMY	28	1400E	1400U	1406D	S06	W60	9787	01 24.1	6D	SF		3	E		39		
		28	1413		1428	No Flare Patrol												
		28	1756		1825	No Flare Patrol												
		28	2056		2106	No Flare Patrol												
		28	2110		2147	No Flare Patrol												
0301	HOLL	28	2236	2238	2240	N05	E20	9800	01 30.4	4	SF		3	E		11		
0302	MITK	28	2351	2352	2402	N05	E19	9800	01 30.4	11	SN			C	2352	139	1.6	B
0303	LEAR	29	0223	0224	0233	S20	E48	9802	02 1.8	10	SF		2	E		19		
0304	LEAR	29	0423	0423	0431	N05	E17	9800	01 30.4	8	SF		3	E		45		F
0305		29	08432	08472	0913	N05	E14	9800	01 30.4	30	1F					108		F
	KANZ	29	0843	0847	0910	N05	E14	9800	01 30.4	27	1F		2	E				
	LEAR	29	0844	0849	0915	N05	E15	9800	01 30.5	31	1F		3	E		141		F
	SVTO	29	0845	0848	0915	N04	E14	9800	01 30.4	30	SN		3	E		76		F
0306	KANZ	29	0923	0925	0928	N04	E18	9800	01 30.7	5	SF		2	E				
0307		29	10141	1015	1035	S16	E40	9802	02 1.5	21	SF					11		
	KANZ	29	1014	1015	1034	S15	E38	9802	02 1.3	20	SF		2	E				
	SVTO	29	1015	1015	1036	S18	E42	9802	02 1.6	21	SF		3	E		11		
0308		29	10251	10262	1033	N05	E14	9800	01 30.5	8	SF					41		
	KANZ	29	1025	1026	1032	N05	E14	9800	01 30.5	7	SF		2	E				
	SVTO	29	1026	1028	1034	N05	E15	9800	01 30.5	8	SF		3	E		41		
0309		29	1146	1148	1158	N14	E58	9805	02 2.9	12	SF					12		
	KANZ	29	1146	1148	1158	N15	E58	9805	02 2.9	12	SF		2	E				
	SVTO	29	1150E	1150U	1155D	N13	E59	9805	02 2.9	5D	SF		3	E		12		
0310		29	12528	12546	1322	N05	E12	9800	01 30.4	30	1F					61		F
	KANZ	29	1252	1254	1323	N05	E10	9800	01 30.3	31	1F		2	E				
	RAMY	29	1300	1300	1322	N05	E15	9800	01 30.7	22	SF		3	E		61		F
0311	RAMY	29	1655	1658	1717	N11	W56	9794	01 25.5	22	SF		3	E		11		
		29	1711		2002	No Flare Patrol												
		29	2042		2114	No Flare Patrol												
		29	2118		2253	No Flare Patrol												
		29	2347		2400	No Flare Patrol												
		30	0000		0018	No Flare Patrol												
0312	LEAR	30	0233	0234	0250D	S17	E36	9802	02 1.8	17D	SF		3	E		11		
		30	0749		0753	No Flare Patrol												
		30	0803		0827	No Flare Patrol												
		30	1038		1214	No Flare Patrol												
		30	1322		1516	No Flare Patrol												
		30	1732		1923	No Flare Patrol												
		30	2007		2045	No Flare Patrol												
		30	2102		2247	No Flare Patrol												
		31	0014		0020	No Flare Patrol												

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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	Imp See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0313		31	1010	10121	1019	S16	E18	9802	02	1.8	9	SF					27		F
	LEAR	31	1010	1012	1019	S16	E18	9802	02	1.8	9	SF		3	E		27		F
	KANZ	31	1010	1013	1019	S15	E17	9802	02	1.7	9	SF		1	E				
0314	KANZ	31	1155	1159	1208	N06	W16	9800	01	30.3	13	SF		2	E				
0315	RAMY	31	1200	1203	1211	S02	W55	9798	01	27.4	11	SF		3	E		14		F
0316	RAMY	31	1414	1416	1430	N06	W14	9800	01	30.5	16	SF		3	E		22		F
0317	RAMY	31	1533	1535	1541	S15	E12	9802	02	1.5	8	SF		3	E		13		
0318		31	1640	1643	1704	N06	W14	9800	01	30.6	24	1F					104		F
	RAMY	31	1640	1643	1706	N06	W14	9800	01	30.6	26	SF		3	E		91		F
	HOLL	31	1646E	1649U	1703	N05	W15	9800	01	30.6	17D	1F		3	E		116		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