Hα SOLAR FLARES

JUNE 1993

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
0001	SVTO	01	0522	0522	0527	N14	W07	7515	05	31.7	5	SF		3	E		10		
0002	SVTO	01	0540	0542	0551	N13	W06	7515	05	31.8	11	SF		3	E		13		F
0003	SVTO	01	0654	0657	0719	N10	E23	7517	06	3.0	25	SF		3	E		15		F
0004	HTPR	01	0952	0955	1006	S13	E58	7518	06	5.8	14	SF			C	0955	20	0.3	ET
0005		01	09478	09555	1022	N16	W12	7515	05	31.5	35	SF					13	0.1	
	KANZ	01	0947	0955	1007	N16	W13	7515	05	31.4	20	SF		2	C				
	HTPR	01	0950	1000	1052	N15	W12	7515	05	31.5	62	SF			C	1000	10	0.1	
	SVTO	01	0955	0956	1007	N17	W12	7515	05	31.5	12	SF		3	E		16		
0006		01	1019	1027	1036	N14	W09	7515	05	31.7	17	SF					32		F
	KANZ	01	1019	1027	1035	N13	W10	7515	05	31.7	16	SF		2	C				
	SVTO	01	1019	1027	1038	N14	W08	7515	05	31.8	19	SF		3	E		32		F
0007		01	11032	11092	1114	N04	E67	7519	06	6.5	11	SF					25		F
	KANZ	01	1103	1111	1115	N05	E64	7519	06	6.2	12	SF		2	C				
	SVTO	01	1105	1109	1114	N02	E70	7519	06	6.7	9	SF		3	E		25		F
0008		01	12141	12181	1234	S12	E56	7518	06	5.7	20	SN					49	0.9	DFT
	HTPR	01	1214	1218	1244	S13	E58	7518	06	5.9	30	SN			C	1218	50	0.9	DT
	RAMY	01	1215	1219	1224	S10	E55	7518	06	5.6	9	SF		3	E		48		F
0009	RAMY	01	1250	1255	1257	N14	W11	7515	05	31.7	7	SF		3	E		20		F
0010	RAMY	01	1255	1257	1303	S11	E53	7518	06	5.5	8	SF		3	E		28		F
0011		01	1314	1334	1423	N14	W10	7515	05	31.8	69	SF					56		EF
	KANZ	01	1314	1334	1342D	N14	W12	7515	05	31.6	28D	SF		2	C				
	SVTO	01	1314	1334	1423	N14	W09	7515	05	31.9	69	SF		3	E		56		FE
0012	SVTO	01	1439	1442	1449	N05	E73	7519	06	7.1	10	SF		3	E		20		
0013	SVTO	01	1608	1609	1618	N14	W10	7515	05	31.9	10	SF		3	E		27		
0014	HOLL	01	1819	1821	1826	N14	W11	7515	05	31.9	7	SF		3	E		13		
0015	HOLL	01	1825	1827	1833	N03	E72	7519	06	7.1	8	SF		3	E		29		F
0016		01	18461	1847	1850	N14	W12	7515	05	31.9	4	SF					26		F
	RAMY	01	1846	1847	1850	N14	W12	7515	05	31.9	4	SF		3	E		33		F
	HOLL	01	1847	1847	1850	N14	W12	7515	05	31.9	3	SF		3	E		19		
0017		01	2002	20031	2012	N14	W12	7515	05	31.9	10	SN					57		F
	RAMY	01	2002	2003	2012	N14	W12	7515	05	31.9	10	SF		3	E		36		F
	HOLL	01	2002	2004	2012	N14	W12	7515	05	31.9	10	SN		3	E		78		F
0018	HOLL	01	2128	2130	2135	S12	E46	7518	06	5.3	7	SF		3	E		35		
0019	HOLL	01	2151	2151	2156	N14	W14	7515	05	31.8	5	SF		3	E		15		
0020	HOLL	01	2305	2306	2314	N14	W13	7515	06	1.0	9	SF		3	E		65		F
0021		02	0151	0153	0158	N09	E06	7517	06	2.5	7	SN					17	0.2	D
	WATU	02	0151	0153	0158	N09	E06	7517	06	2.5	7	SN			C	0153	10	0.1	D
	YUNN	02	0153E	0153U	0156D	N09	E05	7517	06	2.4	3D	SN			P	0153	24	0.3	D
0022	WATU	02	0216	0223	0225	N14	W16	7515	05	31.9	9	SF			C	0223	20	0.2	E
0023	RAMY	02	1144	1144	1152	N14	W22	7515	05	31.8	8	SF		3	E		18		F
0024	HTPR	02	1201	1212	1220	S11	E38	7518	06	5.3	19	SF			C	1212	30	0.4	DT
0025		02	12451	12481	1318	S12	E36	7518	06	5.2	33	SF					18		
	SVTO	02	1245	1248	1342	S11	E37	7518	06	5.3	57	SF		3	E		12		
	HOLL	02	1246	1249	1253	S13	E36	7518	06	5.2	7	SF		2	E		25		

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0026	HOLL	02	1514	1516	1523	N16	W25	7515	05	31.7	9	SF		3	E		15		
0027	HTPR	02	1517	1521	1524	S11	E38	7518	06	5.5	7	SF			C	1521	60	0.7	ET
0028	HTPR	02	1529	1542	1548	S11	E38	7518	06	5.5	19	SF			C	1542	40	0.5	T
0029	HTPR	02	1636		1644D	S11	E38	7518	06	5.5	8D	SF			C				T
0030		02	1649	1653	1707	N16	W24	7515	05	31.9	18	SF					12		
	HOLL	02	1649	1653	1705	N16	W26	7515	05	31.7	16	SF		3	E		12		
	KANZ	02	1649	1653	1709	N15	W23	7515	05	31.9	20	SF		2	C				
0031	HOLL	02	1702	1703	1706	S11	E35	7518	06	5.3	4	SF		3	E		19		
0032	HOLL	02	1850	1850	1856	N14	W28	7515	05	31.7	6	SF		3	E		11		
0033	RAMY	02	1904	1907	1927	S11	E34	7518	06	5.3	23	SF		3	E		11		F
0034		02	20594	21073	2121	N14	W28	7515	05	31.7	22	SF					24		F
	HOLL	02	2059	2110	2120	N14	W29	7515	05	31.7	21	SF		3	E		35		F
	RAMY	02	2103	2107	2122	N14	W26	7515	05	31.9	19	SF		3	E		13		F
		03	0000		0000	No Flare Patrol													
0035	WATU	03	0310	0313	0320	S12	E29	7518	06	5.3	10	SF			C	0313	30	0.4	E
0036		03	04575	04588	0509	N08	W09	7517	06	2.5	12	SN					39	0.5	DEFH
	WATU	03	0457	0501	0508	N08	W08	7517	06	2.6	11	SB			C	0501	30	0.3	F
	LEAR	03	0458	0458	0507	N08	W10	7517	06	2.4	9	SF		3	E		34		F
	SVTO	03	0458	0506	0513	N07	W10	7517	06	2.4	15	SF		3	E		12		FH
	MITK	03	0500	0500	0502	N09	W08	7517	06	2.6	2	SB			C	0500	42	0.4	D
	TACH	03	0502	0503	0515	N10	W10	7517	06	2.4	13	SN		2	C	0503	76	0.8	E
0037		03	06343	06371	0643	N16	W41	7514	05	31.2	9	SF					41	0.4	DH
	SVTO	03	0634	0637	0646	N15	W42	7514	05	31.1	12	SF		3	E		64		H
	WATU	03	0635	0637	0641	N16	W41	7514	05	31.2	6	SN			C	0637	30	0.4	D
	LEAR	03	0637	0638	0643	N17	W40	7514	05	31.2	6	SF		3	E		30		
0038		03	07544	07582	0810	S12	E27	7518	06	5.4	16	SF					19		F
	LEAR	03	0754	0758	0813	S12	E27	7518	06	5.4	19	SF		3	E		19		F
	SVTO	03	0758	0800	0808	S11	E27	7518	06	5.4	10	SF		3	E		19		F
0039	SVTO	03	0811	0812	0815	N15	W44	7514	05	31.0	4	SF		3	E		21		
0040	SVTO	03	0824	0825	0832	S10	E27	7518	06	5.4	8	SF		3	E		13		
0041		03	09231	0927	0931	N15	W41	7514	05	31.3	8	SF					26	0.6	
	HTPR	03	0923	0927	0931	N15	W40	7514	05	31.4	8	SF			C	0927	40	0.6	
	SVTO	03	0924	0924U	0934D	N15	W42	7514	05	31.2	10D	SF		3	E		12		
0042		03	10444	10492	1058	N15	W41	7514	05	31.3	14	SF					23	0.4	D
	SVTO	03	1044	1051	1056	N15	W42	7514	05	31.3	12	SF		2	E		16		
	HTPR	03	1048	1049	1100	N15	W40	7514	05	31.4	12	SF			C	1049	30	0.4	D
0043	HTPR	03	1326	1329	1334	N15	W40	7515	05	31.5	8	SB			C	1329	90	1.4	D
0044		03	13501	1351	1358	N17	E49		06	7.3	8	SF					43	0.9	F
	HOLL	03	1350	1351	1354	N17	E50		06	7.4	4	SF		3	E		35		F
	HTPR	03	1350	1351	1402	N20	E50		06	7.4	12	SN			C	1351	60	0.9	
	SVTO	03	1351	1351U	1353D	N15	E46		06	7.0	2D	SF		2	E		33		F
0045	SVTO	03	1421	1424	1445	N07	W69	7512	05	29.5	24	SF		3	E		21		
0046	HOLL	03	1422	1423	1432	S12	E23	7518	06	5.3	10	SF		3	E		13		
0047		03	14532	1501	1504	N15	W43	7514	05	31.4	11	SF					40	0.8	D
	HTPR	03	1453	1501	1505	N15	W40	7514	05	31.6	12	SF			C	1501	50	0.8	D
	SVTO	03	1455	1501	1504	N15	W46	7514	05	31.1	9	SF		3	E		30		

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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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0048		03	1523	1525*	1545	S10	E24	7518	06	5.4	22	SF					25	0.2	EF
	SVTO	03	1523	1525	1545	S11	E22	7518	06	5.3	22	SF		3	E		30		F
	HTPR	03	1523	1549	1554D	S10	E25	7518	06	5.5	31D	SF			C	1549	20	0.2	E
0049		03	1548	15505	1603	N15	W44	7514	05	31.3	15	SB					83	1.9	EH
	HTPR	03	1548	1550	1602	N15	W43	7514	05	31.4	14	SB			C	1550	120	1.9	
	RAMY	03	1550E	1555	1604	N15	W46	7514	05	31.2	14D	SN		3	E		46		EH
0050	RAMY	03	1653	1656	1709	S12	E22	7518	06	5.4	16	SF		3	E		14		F
0051	HOLL	03	1717	1721	1723	S11	E22	7518	06	5.4	6	SF		3	E		35		F
		03	1847		1948	No Flare Patrol													
0052	RAMY	03	2000	2001	2004	S13	E16	7518	06	5.0	4	SF		3	E		14		F
0053	RAMY	03	2027	2029	2034	N15	W50	7514	05	31.1	7	SF		3	E		16		FH
		03	2301		2302	No Flare Patrol													
		04	0238		0309	No Flare Patrol													
		04	0312		0313	No Flare Patrol													
0054		04	0626	0628	0639	N05	E34	7519	06	6.8	13	SF					16	0.2	EF
	HTPR	04	0626	0628	0637	N05	E33	7519	06	6.7	11	SF			C	0628	20	0.2	E
	SVTO	04	0635E	0635U	0641	N05	E34	7519	06	6.8	6D	SF		3	E		13		F
0055		04	0631	0637	0642	N10	W23	7517	06	2.5	11	SF					10	0.1	D
	HTPR	04	0631	0637	0642	N10	W23	7517	06	2.5	11	SF			C	0637	10	0.1	D
	SVTO	04	0633E	0636U	0642	N09	W23	7517	06	2.5	9D	SF		3	E		10		
0056	LEAR	04	0730	0731	0810	N17	W53	7514	05	31.3	40	SF		3	E		24		F
0057		04	0935	09418	1003D	N06	E35	7519	06	7.0	28D	SF					26	0.2	F
	HTPR	04	0935	0941	1003D	N05	E35	7519	06	7.0	28D	SF			C	0941	20	0.2	
	SVTO	04	0941E	0949	0959D	N06	E35	7519	06	7.0	18D	SF		3	E		31		F
0058	SVTO	04	1008E	1008U	1016	S09	E15	7518	06	5.5	8D	SF		3	E		10		
0059	HTPR	04	1330	1334	1344	N06	W78		05	29.8	14	SF			C	1334	100		
0060	HTPR	04	1333	1342	1357	N15	W52	7515	05	31.6	24	SF			C	1342	50	0.8	EKT
0061	HTPR	04	1502	1505	1522	N06	E29	7519	06	6.8	20	SF			C	1505	120	1.4	F
		04	1727		1750	No Flare Patrol													
0062	HOLL	04	1854	1856	1907	N10	W25	7517	06	2.9	13	SF		3	E		29		
0063	HOLL	04	1858	1858	1906	N05	E29	7519	06	6.9	8	SF		3	E		18		
0064	HOLL	04	1912	1920	1930	N06	E30	7519	06	7.0	18	SF		3	E		34		F
0065	HOLL	04	2203	2203	2209	N15	W61	7515	05	31.3	6	SF		3	E		13		
0066	HOLL	04	2244	2250	2427D	N17	W50	7515	06	1.1	103D	SN		2	E		60		H
		05	0000		0000	No Flare Patrol													
0067	HOLL	05	0004	0009	0027	N05	E26	7519	06	6.9	23	SF		3	E		13		
0068	LEAR	05	0202	0205	0209	N17	W64	7514	05	31.2	7	SF		3	E		20		
		05	0228		0319	No Flare Patrol													
		05	0357		0416	No Flare Patrol													
0069	HTPR	05	0540E	0553	0617	N15	W60	7515	05	31.7	37D	SN			C	0553	10	0.2	E

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0070		05	07496	07584	0820	N07	W33	7517	06	2.8	31	SF					149	3.1	F
	HTPR	05	0749	0758	0824	N08	W35	7517	06	2.7	35	1N			C	0758	250	3.1	
	KANZ	05	0754	0802	0818	N07	W33	7517	06	2.8	24	SF		2	C				
	SVTO	05	0755	0758	0817	N07	W32	7517	06	2.9	22	SF		3	E		48		F
0071		05	07548	08171	0926	N06	E22	7519	06	7.0	92	1N					204	3.8	EF
	HTPR	05	0754	0817	0927	N07	E23	7519	06	7.0	93	1B			C	0817	350	3.8	
	KANZ	05	0802	0818	0926	N05	E22	7519	06	7.0	84	1N		2	C				
	SVTO	05	0802	0818	0933D	N06	E23	7519	06	7.0	91D	1N		3	E		139		FE
	LEAR	05	0820E	0821U	0831D	N05	E20	7519	06	6.8	11D	1F		3	E		123		F
0072	ATHN	05	0833E	0834	0842	N03	E18	7519	06	6.7	9D	1N		3	V	0834	350	3.8	
0073		05	08211	08222	0831	S10	W02	7518	06	5.2	10	SF					14		
	LEAR	05	0821	0824	0831	S12	E01	7518	06	5.4	10	SF		3	E		16		
	KANZ	05	0822	0822	0830	S09	W04	7518	06	5.0	8	SF		2	C				
	SVTO	05	0822	0823	0832	S09	W03	7518	06	5.1	10	SF		3	E		12		
0074	RAMY	05	1042E	1043U	1057D	S09	W04	7518	06	5.1	15D	SF		3	E		15		
0075	SVTO	05	1209	1209	1212	N14	W62	7515	05	31.8	3	SF		3	E		20		
0076	HOLL	05	1314	1314	1324	S10	W04	7518	06	5.2	10	SF		3	E		19		
0077		05	1342*	1435*	1513	S08	W08	7518	06	5.0	91	SF					30		F
	HOLL	05	1342	1437	1545	S09	W09	7518	06	4.9	123	SF		3	E		40		F
	KANZ	05	1431	1435	1459	S06	W09	7518	06	4.9	28	SF		2	C				
	SVTO	05	1437	1445	1454	S08	W07	7518	06	5.1	17	SF		3	E		20		F
0078	KANZ	05	1503	1511	1527	S08	W04	7518	06	5.3	24	SF		2	C				
0079	HOLL	05	1931	1931	1935	S10	W07	7518	06	5.3	4	SF		3	E		17		F
0080	HOLL	06	0108	0109	0120	S08	W15	7518	06	4.9	12	SN		3	E		54		EF
		06	0203		0211	No Flare Patrol													
		06	0213		0258	No Flare Patrol													
		06	0333		0334	No Flare Patrol													
		06	0348		0349	No Flare Patrol													
		06	0356		0404	No Flare Patrol													
		06	0413		0414	No Flare Patrol													
0081	SVTO	06	0506E	0506U	0522	S09	W13	7518	06	5.2	16D	SF		2	E		22		
0082		06	07182	07222	0747	S09	W16	7518	06	5.1	29	SN					76		EF
	SVTO	06	0718	0722	0743	S09	W17	7518	06	5.0	25	SN		3	E		76		FE
	LARI	06	0720	0723	0753	S09	W14	7518	06	5.2	33	1N			P				
	KANZ	06	0720	0724	0744	S08	W18	7518	06	4.9	24	SF		2	C				
0083		06	08249	08362	0857	N17	E11		06	7.2	33	SF					16		EF
	KANZ	06	0824	0836	0856	N15	E11		06	7.2	32	SF		2	C				
	SVTO	06	0833	0838	0856	N17	E11		06	7.2	23	SF		3	E		16		F
	KHAR	06	0850E		0900	N19	E11		06	7.2	10D	SF		1	V				E
0084	KHAR	06	0850E	0850U	0905D	S08	W16	7518	06	5.2	15D	SN		1	V				EL
0085		06	09367	0937*	1018	S09	W15	7518	06	5.3	42	SF					30		EF
	SVTO	06	0936	0937	0957	S09	W16	7518	06	5.2	21	SF		3	E		30		FE
	KANZ	06	0940	0940	0956	S08	W17	7518	06	5.1	16	SF		2	C				
	LARI	06	0943	0947	1102	S09	W11	7518	06	5.6	79	SF			P				
0086		06	10271	10364	1054	S09	W17	7518	06	5.1	27	SF					28		F
	SVTO	06	1027	1040	1055	S09	W17	7518	06	5.1	28	SF		3	E		25		F
	KANZ	06	1028	1036	1052	S08	W17	7518	06	5.2	24	SF		2	C				
	RAMY	06	1030E	1042U	1116D	S09	W17	7518	06	5.2	46D	SF		3	E		30		F
0087	SVTO	06	1405	1409	1422	S09	W17	7518	06	5.3	17	SF		3	E		26		F
0088	SVTO	06	1453	1504	1518	N15	W78	7515	05	31.7	25	SF		3	E		15		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	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0089		06	1459	14591	1506	S08	W22	7518	06	5.0	7	SF					26		F
	RAMY	06	1459	1459	1506	S09	W22	7518	06	5.0	7	SF		3	E		28		F
	SVTO	06	1459	1500	1506	S08	W22	7518	06	5.0	7	SF		3	E		25		F
0090		06	16209	16245	1636	S09	W21	7518	06	5.1	16	SF					27		F
	SVTO	06	1620	1624	1639	S09	W21	7518	06	5.1	19	SF		3	E		17		
	RAMY	06	1622	1625	1634	S10	W22	7518	06	5.0	12	SF		4	E		34		F
	HOLL	06	1629	1629	1635	S09	W20	7518	06	5.2	6	SF		3	E		29		F
0091		06	16434	16476	1723	S10	W18	7518	06	5.3	40	SF					49		F
	SVTO	06	1643	1651	1717	S10	W19	7518	06	5.3	34	SF		3	E		40		F
	RAMY	06	1643	1653	1724	S11	W17	7518	06	5.4	41	SF		3	E		49		F
	HOLL	06	1647	1647	1727	S10	W19	7518	06	5.3	40	SF		3	E		59		F
0092	HOLL	06	1808	1821	1824	S09	W22	7518	06	5.1	16	SF		3	E		36		
		06	1840		1925	No Flare Patrol													
		06	1934		2006	No Flare Patrol													
0093	HOLL	06	2118	2135	2152D	S09	W22	7518	06	5.2	34D	SF		2	E		45		F
		06	2139		2147	No Flare Patrol													
		06	2158		2241	No Flare Patrol													
0094	HOLL	06	2242	2244	2256D	S09	W23	7578	06	5.2	14D	SN		3	E		62		F
		06	2257		2400	No Flare Patrol													
		07	0000		0000	No Flare Patrol													
		07	0005		0119	No Flare Patrol													
0095	HOLL	07	0120E	0120U	0138	S09	W24	7518	06	5.2	18D	SF		2	E		34		
		07	0141		0158	No Flare Patrol													
		07	0255		0321	No Flare Patrol													
0096		07	04332	0438	0444	S10	W24	7518	06	5.4	11	SN					28	0.4	EF
	WATU	07	0433		0441	S09	W26	7518	06	5.2	8	SN			P	0436	40	0.4	E
	SVTO	07	0435	0438	0446	S11	W23	7518	06	5.5	11	SF		2	E		17		FE
0097		07	0541	0542	0554	S08	W30	7518	06	5.0	13	SN					104	1.2	DE
	TACH	07	0541	0542	0557	S08	W29	7518	06	5.1	16	SB		2	C	0542	137	1.6	D
	WATU	07	0545E		0552	S08	W30	7518	06	5.0	7D	SF			P	0545	70	0.9	E
0098		07	05471	0551	0616	S07	W30	7518	06	5.0	29	1N					50	0.6	E
	LARI	07	0547	0551	0631	S06	W29	7518	06	5.1	44	1F			P				
	WATU	07	0548	0551	0600	S08	W30	7518	06	5.0	12	SB			C	0551	50	0.6	E
0099		07	0543*	06033	0650	S08	W30	7518	06	5.0	67	1N					104	0.8	BEFHTZ
	SVTO	07	0543	0606	0718	S09	W30	7518	06	5.0	95	1N		3	E		137		FH
	WATU	07	0555	0603	0617	S07	W30	7518	06	5.0	22	SB			P	0603	70	0.8	FTZ
	KANZ	07	0557E	0605	0717	S06	W30	7518	06	5.0	80D	1F		2	C				
	ISTA	07	0600E		0628	S09	W30	7518	06	5.0	28D	SB			P				BE
0100	KANZ	07	0713	0713	0721	S12	W30	7518	06	5.0	8	SF		2	C				
0101		07	11192	11333	1152	S09	W30	7518	06	5.2	33	SF					37		F
	SVTO	07	1119	1136	1152	S09	W30	7518	06	5.2	33	SF		3	E		37		F
	KANZ	07	1121	1133	1153	S09	W29	7518	06	5.3	32	SF		2	C				
0102		07	11561	11561	1208	N06	W12	7519	06	6.6	12	SF					25		
	SVTO	07	1156	1156	1210	N06	W12	7519	06	6.6	14	SF		3	E		25		
	KANZ	07	1157	1157	1205	N06	W12	7519	06	6.6	8	SF		2	C				
0103		07	1239	1242*	1259	S10	W30	7518	06	5.3	20	SF					18		EF
	SVTO	07	1239	1242	1253	S10	W31	7518	06	5.2	14	SF		3	E		22		FE
	HOLL	07	1249E	1300	1305	S10	W30	7518	06	5.3	16D	SF		3	E		15		F
0104		07	13181	1325	1332	S10	W30	7518	06	5.3	14	SF					32		F
	HOLL	07	1318	1325	1334	S10	W30	7518	06	5.3	16	SF		3	E		30		F
	SVTO	07	1319	1325	1331	S10	W29	7518	06	5.4	12	SF		3	E		34		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	Imp See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0105		07	1319	1319	1339	N04	W11	7519	06	6.7	20	SF					13		FH
	HOLL	07	1319	1319	1337	N05	W11	7519	06	6.7	18	SF		3	E		10		FH
	SVTO	07	1319	1319	1341	N04	W11	7519	06	6.7	22	SF		3	E		16		
0106		07	13541	14226	1635	S10	W30	7518	06	5.3	161	2B					273		EFUY
	HOLL	07	1354	1422	1712	S10	W30	7518	06	5.3	198	2B		3	E		271		UY
	SVTO	07	1355	1428	1623	S11	W29	7518	06	5.4	148	2B		3	E		303		UY
	RAMY	07	1358E	1423	1609	S09	W31	7518	06	5.2	131D	1B		3	E		245		FE
0107	KANZ	07	1537E		1717D	S10	W31	7518	06	5.3	100D	1N		2	C				
0108		07	1702*	1732	1800	S10	W32	7518	06	5.3	58	SF					50		F
	RAMY	07	1702	1732	1820	S09	W32	7518	06	5.3	78	SF		3	E		71		F
	HOLL	07	1732	1732	1739	S10	W33	7518	06	5.2	7	SF		3	E		30		
0109	RAMY	07	1825E	1825U	1854D	S10	W31	7518	06	5.4	29D	SF		3	E		50		F
0110	HOLL	07	1831	1844	1900	S11	W32	7518	06	5.4	29	SN		3	E		62		F
		07	1931		2147	No Flare Patrol													
0111	WATU	08	0033	0035	0044	S11	W37	7518	06	5.2	11	SN			C	0035	40	0.5	ET
		08	0202		0226	No Flare Patrol													
0112	WATU	08	0227E		0320	S11	W38	7518	06	5.2	53D	SB			P	0227	120	2.0	EFKTZ
		08	0228		0229	No Flare Patrol													
		08	0235		0238	No Flare Patrol													
		08	0240		0241	No Flare Patrol													
		08	0246		0253	No Flare Patrol													
		08	0301		0309	No Flare Patrol													
		08	0311		0313	No Flare Patrol													
0113	SVTO	08	0420E	0420U	0451D	N23	E60	7522	06	12.8	31D	SF		2	E		12		
0114		08	0438	0440	0508	S12	W38	7518	06	5.3	30	SN					38	0.5	EFT
	SVTO	08	0416E	0450U	0525	S13	W38	7518	06	5.3	69D	SN		2	E		35		F
	WATU	08	0438	0440	0451	S10	W39	7518	06	5.3	13	SF			P	0440	40	0.5	ET
0115		08	0555	05587	0619	S10	W40	7518	06	5.2	24	SF					32	0.5	EFT
	HTPR	08	0545E	0558	0735D	S10	W42	7518	06	5.1	110D	SF			C	0558	40	0.5	ET
	SVTO	08	0555	0605	0619	S11	W39	7518	06	5.3	24	SF		3	E		25		F
0116		08	06301	06332	0644	S10	W39	7518	06	5.3	14	SF					20		F
	SVTO	08	0630	0633	0645	S11	W39	7518	06	5.3	15	SF		3	E		20		F
	KANZ	08	0631	0635	0643	S09	W39	7518	06	5.3	12	SF		2	C				
0117	ISTA	08	0736		0738	S09	W43	7518	06	5.1	2	SF			P				D
0118	ISTA	08	0748		0752	S12	W39	7518	06	5.4	4	SN			P				D
0119		08	09025	09141	0922	S12	W42	7518	06	5.2	20	1N					340	3.7	DT
	HTPR	08	0902	0914	0924	S12	W42	7518	06	5.2	22	1N			C	0914	340	3.7	DT
	KANZ	08	0907	0915	0919	S13	W42	7518	06	5.2	12	SF		2	C				
0120		08	09456	09532	1017	S13	W42	7518	06	5.2	32	1N					194	4.6	FT
	HTPR	08	0945	0955	1011	S12	W43	7518	06	5.2	26	1B			C	0955	340	4.6	T
	KANZ	08	0947	0955	1011	S13	W42	7518	06	5.2	24	SN		2	C				
	SVTO	08	0948	0953	1011	S14	W42	7518	06	5.2	23	SF		3	E		48		F
	LARI	08	0951	0954	1035	S12	W40	7518	06	5.4	44	1F			P				
0121	LARI	08	1046	1048	1100	N16	W17		06	7.1	14	SF			P				
0122		08	1155	11563	1203	S09	W44	7518	06	5.2	8	SF					26		F
	RAMY	08	1155	1156	1200D	S09	W44	7518	06	5.2	5D	SF		3	E		26		F
	KANZ	08	1155	1159	1203	S09	W43	7518	06	5.3	8	SF		2	C				
0123	SVTO	08	1255	1301	1306	S12	W42	7518	06	5.4	11	SF		3	E		11		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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0124		08	1314	13143	1324	N09	W18	7519	06	7.2	10	SF					27		F
	KANZ	08	1314	1314	1322	N09	W18	7519	06	7.2	8	SF		2	C				
	SVTO	08	1314	1317	1325	N09	W19	7519	06	7.1	11	SF		3	E		27		F
0125	SVTO	08	1343	1343	1351	N09	W20	7519	06	7.1	8	SF		3	E		16		F
0126		08	14301	14324	1447	S11	W44	7518	06	5.3	17	SF					73	2.3	DFT
	RAMY	08	1430	1432	1441	S11	W44	7518	06	5.3	11	SF		3	E		33		F
	SVTO	08	1430	1436	1449	S12	W44	7518	06	5.3	19	SF		3	E		25		F
	HTPR	08	1431	1432	1450	S11	W44	7518	06	5.3	19	1N			C	1432	160	2.3	DT
0127	SVTO	08	1528	1544	1552	S10	W45	7518	06	5.3	24	SF		3	E		13		F
		08	1619		1813	No Flare Patrol													
0128	HOLL	08	1852	1858	1925	S09	W45	7518	06	5.4	33	SF		3	E		55		F
		09	0000		0000	No Flare Patrol													
		09	0321		0326	No Flare Patrol													
0129		09	06595	07025	0721	N23	E43	7522	06	12.6	22	SF					24		F
	SVTO	09	0659	0704	0727	N23	E44	7522	06	12.7	28	SF		3	E		26		F
	LEAR	09	0701	0702	0709	N23	E43	7522	06	12.6	8	SF		3	E		23		
	LARI	09	0704	0707	0728	N23	E43	7522	06	12.6	24	SF			P				
0130	SVTO	09	0724	0725	0739	S13	W52	7518	06	5.4	15	SF		3	E		14		F
0131		09	0757*	08174	0854	S11	W53	7518	06	5.3	57	1N					118	1.4	F
	SVTO	09	0757	0820	0857	S13	W53	7518	06	5.3	60	1N		3	E		131		F
	YUNN	09	0806	0821	0847	S10	W53	7518	06	5.3	41	SN			C		79	1.4	F
	LARI	09	0807	0817	0859	S11	W54	7518	06	5.3	52	1N			P				
	LEAR	09	0815	0817	0855	S10	W53	7518	06	5.4	40	1F		3	E		143		F
0132		09	1036	1039	1050	S10	W54	7518	06	5.4	14	SF					32		F
	KANZ	09	1035E	1035U	1051	S10	W54	7518	06	5.4	16D	SF		2	C				
	RAMY	09	1036	1039	1048	S10	W54	7518	06	5.4	12	SF		2	E		32		F
0133		09	1103	11055	1116	S11	W55	7518	06	5.3	13	SF					24		F
	RAMY	09	1103	1105	1117	S10	W55	7518	06	5.3	14	SF		3	E		24		F
	KANZ	09	1103	1107	1115	S10	W55	7518	06	5.3	12	SF		2	C				
	SVTO	09	1103	1110	1117	S13	W56	7518	06	5.2	14	SF		3	E		25		F
0134		09	11372	11373	1145	S11	W55	7518	06	5.3	8	SF					15		F
	SVTO	09	1137	1137	1144	S12	W56	7518	06	5.3	7	SF		3	E		10		F
	KANZ	09	1139	1139	1147	S11	W55	7518	06	5.3	8	SF		2	C				
	RAMY	09	1139	1140	1144	S10	W55	7518	06	5.3	5	SF		3	E		20		
0135	HTPR	09	1249	1251	1300	S09	W57	7518	06	5.2	11	SF			C	1251	110	2.0	
0136		09	1301*	13322	1349	S12	W58	7518	06	5.2	48	SF					22		F
	KANZ	09	1301	1333	1401	S12	W58	7518	06	5.2	60	SF		2	C				
	HOLL	09	1322	1332	1350	S12	W57	7518	06	5.3	28	SF		3	E		33		F
	RAMY	09	1328	1334	1337	S12	W58	7518	06	5.2	9	SF		3	E		12		
0137		09	14272	14281	1433	S10	W57	7518	06	5.3	6	SF					16		F
	RAMY	09	1427	1428	1433	S10	W57	7518	06	5.3	6	SF		3	E		16		F
	KANZ	09	1429	1429	1433	S11	W57	7518	06	5.3	4	SF		2	C				
0138		09	16103	16114	1622	S14	W60	7518	06	5.1	12	SF					14		F
	SVTO	09	1610	1611	1625	S15	W59	7518	06	5.2	15	SF		3	E		18		F
	HOLL	09	1613	1615	1619	S13	W60	7518	06	5.1	6	SF		3	E		10		
0139	RAMY	09	1652	1657	1710	S12	W60	7518	06	5.2	18	SF		3	E		15		F
0140		09	1807*	18341	1855	S12	W59	7518	06	5.3	48	2B					226		EF
	RAMY	09	1807	1835	1845D	S12	W59	7518	06	5.3	38D	2N		3	E		278		FE
	HOLL	09	1829	1834	1855	S12	W59	7518	06	5.3	26	1B		3	E		173		F
0141	HOLL	09	2106	2110	2124	S12	W61	7518	06	5.3	18	SN		3	E		60		F

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0142	HOLL	09	2206	2213	2221	S12	W62	7518	06	5.2	15	SF		3	E		34		F
0143	HOLL	09	2242	2243	2307	N18	W35		06	7.3	25	SF		3	E		20		U
0144		10	0230	0237	0242	N18	W37		06	7.3	12	SN					72	1.0	EG
	WATU	10	0230		0239	N17	W37		06	7.3	9	SF			P	0236	50	0.7	EG
	YUNN	10	0230	0237	0246	N18	W37		06	7.3	16	SN			P		94	1.3	G
0145		10	0557	06039	0644	S11	W67	7518	06	5.2	47	SF					47		F
	LARI	10	0557	0603	0643	S10	W67	7518	06	5.2	46	1F			P				
	SVTO	10	0557	0612	0642	S12	W67	7518	06	5.2	45	SF		3	E		47		F
	KANZ	10	0614E	0614U	0646	S11	W66	7518	06	5.3	32D	SN		2	C				
0146		10	08054	0809	0820	S10	W66	7518	06	5.4	15	SF					18		EF
	ISTA	10	0805		0815	S09	W64	7518	06	5.5	10	SF			P				E
	SVTO	10	0809	0809	0825	S11	W68	7518	06	5.2	16	SF		3	E		18		F
0147		10	10473	10502	1108	S12	W69	7518	06	5.2	21	SF					18		F
	RAMY	10	1047	1052	1120	S11	W69	7518	06	5.2	33	SF		3	E		21		
	SVTO	10	1050	1050	1057	S13	W70	7518	06	5.2	7	SF		3	E		14		F
	KANZ	10	1051E	1051U	1104D	S11	W69	7518	06	5.3	13D	SF		2	C				
0148	RAMY	10	1128	1128	1134	S12	W71	7518	06	5.1	6	SF		3	E		22		
0149	HTPR	10	1212E		1228D	S20	W73	7518	06	4.9	16D	F			C	1212	200		D
0150		10	12124	12144	1241	S12	W71	7518	06	5.1	29	SF					24		
	SVTO	10	1212	1214	1226	S13	W72	7518	06	5.1	14	SF		3	E		17		
	RAMY	10	1216	1218	1247	S11	W71	7518	06	5.2	31	SF		3	E		32		
	KANZ	10	1225E	1225U	1249	S11	W70	7518	06	5.2	24D	SF		2	C				
0151		10	13423	13432	1359	S12	W71	7518	06	5.2	17	SF					19		F
	RAMY	10	1342	1343	1357	S11	W70	7518	06	5.3	15	SF		3	E		17		
	HOLL	10	1342	1343	1404	S11	W71	7518	06	5.2	22	SF		3	E		22		F
	SVTO	10	1343	1343	1357	S13	W72	7518	06	5.1	14	SF		3	E		18		
	KANZ	10	1345	1345	1357	S11	W70	7518	06	5.3	12	SF		2	C				
0152		10	1409	14092	1427	N18	W44		06	7.2	18	SF					23		
	KANZ	10	1409	1409	1421D	N18	W44		06	7.2	12D	SF		2	C				
	HOLL	10	1409	1411	1427	N17	W45		06	7.2	18	SF		3	E		23		
0153		10	1417	14181	1428	S12	W72	7518	06	5.2	11	SF					43		F
	RAMY	10	1417	1418	1425	S10	W71	7518	06	5.3	8	SF		3	E		36		F
	HOLL	10	1417	1418	1430	S11	W73	7518	06	5.1	13	SN		3	E		53		F
	SVTO	10	1417	1419	1428	S14	W74	7518	06	5.0	11	SF		3	E		40		F
	KANZ	10	1417	1421U	1421D	S12	W71	7518	06	5.2	4D	SF		2	C				
0154	RAMY	10	1539	1554	1605	S12	W72	7518	06	5.2	26	SF		3	E		17		F
0155	RAMY	10	1933	1937	1943	S12	W75	7518	06	5.2	10	SF		3	E		17		F
0156	VORO	10	2255	2256	2302	S14	W80	7518	06	4.9	7	SF		1	C	2256	45	1.9	DJ
0157	VORO	10	2313		2316D	S14	W80	7518	06	4.9	3D	SF		1	C				DJ
0158	VORO	11	0032	0038	0048	S14	W80	7518	06	5.0	16	1F		1	C	0038	54	2.2	DJ
0159		11	06161	06231	0633	N16	W55		06	7.1	17	SF					49		F
	KANZ	11	0616	0624	0632	N16	W54		06	7.2	16	SF		2	C				
	SVTO	11	0617	0623	0634	N15	W56		06	7.0	17	SF		3	E		49		F
0160		11	10151	10222	1036	S12	W79	7518	06	5.5	21	SF					31		F
	SVTO	11	1015	1022	1037	S13	W80	7518	06	5.4	22	SF		3	E		31		F
	KANZ	11	1016	1024	1036	S11	W78	7518	06	5.5	20	SF		2	C				
0161		11	2019	2022	2026	S13	W90	7518	06	5.0	7	SN					49		F
	HOLL	11	2019	2022	2025	S12	W90	7518	06	5.1	6	SN		3	E		56		
	RAMY	11	2025E	2025U	2026	S14	W90	7518	06	5.0	1D	SF		3	E		42		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	Area Measurement Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0162	HOLL	11	2028	2029	2033	N22	E08	7522	06 12.5	5	SF		3	E		19		
0163	HOLL	11	2210	2213	2216	S13	W90	7518	06 5.1	6	SF		3	E		80		
0164	HOLL	11	2300	2302	2311	N22	E07	7522	06 12.5	11	SF		3	E		25		
0165	HOLL	11	2339	2340	2345	N18	W65		06 7.0	6	SF		3	E		25		
		12	0104		0143	No Flare Patrol												
0166	KANZ	12	0810	0815	0819D	S13	W80	7518	06 6.3	9D	SN		2	C				
0167	LEAR	12	0819	0822U	0826	S13	W89	7518	06 5.6	7	SF		3	E		33		
0168	SVTO	12	1446	1447	1450	N12	E68	7523	06 17.7	4	SF		3	E		12		
0169		12	1721	1723	1739	N22	W02	7522	06 12.6	18	SF					30		F
	HOLL	12	1721	1723	1739	N23	W03	7522	06 12.5	18	SF		3	E		35		
	SVTO	12	1722E	1724U	1726D	N22	W01	7522	06 12.6	4D	SF		2	E		25		F
0170	SVTO	13	0903	0905	0912	N25	W12	7522	06 12.4	9	SF		3	E		19		
0171	ABST	14	0430	0435	0440	N26	E22		06 15.9	10	SF			C	0435	87	1.1	D
0172	ABST	14	0450	0452	0500	N26	E22		06 15.9	10	SF			C	0452	140	2.0	E
0173	LEAR	14	0527	0527	0531	N10	E48	7522	06 17.8	4	SF		3	E		18		FH
0174		14	0534	05341	0541	N23	W23	7522	06 12.4	7	SF					26		F
	SVTO	14	0532E	0534	0542	N24	W23	7522	06 12.4	10D	SF		3	E		30		
	LEAR	14	0534	0535	0540	N22	W23	7522	06 12.5	6	SF		3	E		21		F
		14	1145		1153	No Flare Patrol												
		14	1815		1817	No Flare Patrol												
		14	1851		1951	No Flare Patrol												
		14	2043		2318	No Flare Patrol												
		15	1216		1312	No Flare Patrol												
		17	2247		2251	No Flare Patrol												
		17	2311		2321	No Flare Patrol												
		18	0000		0000	No Flare Patrol												
0175	LEAR	18	0343	0343	0347	S05	E66		06 23.1	4	SF		3	E		12		
0176	KANZ	18	0801	0801	0805	N07	E78	7527	06 24.2	4	SF		2	C				
0177	KANZ	18	0946	0950	1002	N05	E78	7527	06 24.2	16	SF		2	C				
0178	KANZ	18	1011	1011	1019	N06	E78	7527	06 24.3	8	SF		2	C				
0179	KANZ	18	1043	1043	1055	N07	E78	7527	06 24.3	12	SF		2	C				
0180		18	14483	14511	1455	N06	E74	7527	06 24.1	7	SF					18		
	KANZ	18	1448	1452	1456D	N07	E72	7527	06 24.0	8D	SF		2	C				
	RAMY	18	1451	1451	1455	N06	E75	7527	06 24.2	4	SF		3	E		18		
0181	RAMY	18	1512	1514	1520	N07	E77	7527	06 24.4	8	SF		3	E		18		
0182	HOLL	18	2328	2331	2339	N07	E75	7528	06 24.6	11	SF		3	E		13		
		19	0000		0000	No Flare Patrol												
		19	0002		0011	No Flare Patrol												
0183		19	00084	00143	0036	N10	E78	7527	06 24.9	28	SF					28		DG
	HOLL	19	0008	0017	0051	N09	E79	7527	06 24.9	43	SF		3	E		37		
	WATU	19	0012	0014	0021	N10	E76	7527	06 24.7	9	SF			C	0014	20		DG
0184		19	11136	11234	1214	N10	E68	7527	06 24.6	61	SF					54		
	SVTO	19	1113	1123	1221	N10	E69	7527	06 24.6	68	SF		3	E		54		
	KANZ	19	1119	1127	1207	N09	E67	7527	06 24.5	48	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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0185	HTPR	19	1122	1130	1154	N10	W72		06 14.1	32	N			C	1130	100		DK
0186	HOLL	19	2142	2147	2213	N09	E64	7527	06 24.7	31	SF		3	E		56		
0187		19	23454	23465	2416	N08	E62	7527	06 24.6	31	1N					144		F
	HOLL	19	2345	2346	2415	N08	E62	7527	06 24.6	30	1N		3	E		216		
	LEAR	19	2349	2351	2417	N08	E62	7527	06 24.6	28	SF		3	E		71		F
0188	WATU	20	0004	0007	0012	N09	E60	7527	06 24.5	8	SF			C	0007	20	0.4	DG
0189		20	08033	08074	0818	S18	W12	7525	06 19.4	15	SF					18		FH
	KANZ	20	0803	0807	0815	S18	W12	7525	06 19.4	12	SF		2	C				
	SVTO	20	0805	0807	0813	S18	W12	7525	06 19.4	8	SF		2	E		19		F
	LARI	20	0805	0811	0829	S17	W12	7525	06 19.4	24	1F			P				
	LEAR	20	0806	0807	0816	S18	W14	7525	06 19.3	10	SF		3	E		17		FH
0190	KANZ	20	1135	1139	1207	S18	W14	7525	06 19.4	32	SF		2	C				
0191	HOLL	20	1654	1655	1705	N05	E55	7527	06 24.8	11	SF		3	E		21		F
0192	HOLL	20	1929	1931	1936	S18	W20	7525	06 19.3	7	SF		3	E		29		
		20	2219		2324	No Flare Patrol												
0193	HOLL	21	1845	1846	1850	S17	W31	7525	06 19.4	5	SF		3	E		10		
		21	2351		2400	No Flare Patrol												
		22	0000		0000	No Flare Patrol												
		22	0027		0145	No Flare Patrol												
0194		22	1320*	13276	1348	S17	W41	7525	06 19.4	28	SF					23		FH
	HOLL	22	1320	1328	1352	S17	W41	7525	06 19.4	32	SF		3	E		27		FH
	SVTO	22	1324	1327	1345	S18	W41	7525	06 19.4	21	SF		3	E		20		F
	RAMY	22	1330	1333	1346	S17	W40	7525	06 19.5	16	SF		3	E		22		F
0195	HOLL	22	1835	1844	1852	S17	W44	7525	06 19.4	17	SF		3	E		12		F
0196		23	0440	0444	0452	S17	W51	7525	06 19.3	12	SF					25	0.2	DF
	LEAR	23	0438E	0438U	0458	S15	W52	7525	06 19.2	20D	SF		3	E		30		
	SVTO	23	0440E	0444U	0448	S19	W49	7525	06 19.4	8D	SF		2	E		36		F
	WATU	23	0440	0444	0451	S17	W52	7525	06 19.2	11	SF			C	0444	10	0.2	D
0197		23	1408	1443	1504	N08	W38		06 20.7	56	SF					28		E
	HOLL	23	1408	1443	1520	N09	W38		06 20.7	72	SF		3	E		39		E
	SVTO	23	1419E	1421U	1447	N08	W38		06 20.7	28D	SF		3	E		17		
0198		24	00195	0026*	0051	N02	E07	7528	06 24.5	32	SN					21	0.2	EF
	LEAR	24	0019	0033	0051	N03	E07	7528	06 24.5	32	SF		3	E		26		F
	HOLL	24	0020	0026	0059	N02	E07	7528	06 24.5	39	SF		3	E		17		F
	WATU	24	0024	0037	0043	N02	E07	7528	06 24.5	19	SB			C	0037	20	0.2	E
		24	0314		0324	No Flare Patrol												
0199		24	07185	07302	0912	S12	E65	7529	06 29.2	114	2B					248	8.9	EFYZ
	HTPR	24	0718	0732	0953	S13	E67	7529	06 29.3	155	2B			C	0732	360	8.9	E
	SVTO	24	0719	0741U	0946D	S11	E64	7529	06 29.1	147D	2B		2	E		333		ZY
	LEAR	24	0721	0732	0852D	S14	E65	7529	06 29.2	91D	1B		3	E		249		YF
	LARI	24	0723	0730	0831	S11	E63	7529	06 29.0	68	2B			P				
	WATU	24	0723	0732	0732D	S13	E65	7529	06 29.2	9D	1N			P	0732	50		E
0200	ISTA	24	0744E		0814	S11	E66	7529	06 29.3	30D	1N			P				BF
0201		24	16001	16015	1622	N02	W00	7528	06 24.7	22	1F					111	2.1	F
	HTPR	24	1600	1606	1627	N01	E01	7528	06 24.7	27	1F			C	1606	210	2.1	
	HOLL	24	1601	1601	1618	N02	W02	7528	06 24.5	17	SF		3	E		12		F
0202	RAMY	24	1722	1724	1734	S12	E90	7530	07 1.5	12	1F		3	E		176		
		25	0000		0000	No Flare Patrol												

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0203	YUNN	25	0120E	0143	0150D	S10	E78	7530	06	30.9	30D				P				A
0204	LEAR	25	0331E	0333U	0350D	S06	E90	7530	07	1.9	19D	SF		2	E		60		FY
0205		25	06061	06071	0624	N02	W08	7528	06	24.6	18	SF					62		F
	HTPR	25	0606	0608	0630	N02	W07	7528	06	24.7	24	SF			C	0608	90		
	LEAR	25	0607	0607	0618	N02	W09	7528	06	24.6	11	SF		3	E		35		F
0206	LEAR	25	0731E	0733U	0750D	S06	E90	7530	07	2.0	19D	SF		2	E		60		FY
0207	KANZ	25	1308	1316	1324	S10	E70	7530	06	30.8	16	SF		2	C				
0208		25	1405	14072	1414	S11	E72	7530	07	1.0	9	SF					35		
	RAMY	25	1405	1407	1415	S11	E73	7530	07	1.1	10	SF		3	E		35		
	KANZ	25	1405E	1409	1413	S11	E71	7530	06	30.9	8D	SF		2	C				
0209		25	1547	15501	1555	S12	E73	7530	07	1.1	8	SF					40		DT
	RAMY	25	1547	1550	1554	S12	E72	7530	07	1.1	7	SF		3	E		24		
	HOLL	25	1547	1550	1555	S13	E75	7530	07	1.3	8	SF		3	E		27		
	SVTO	25	1547	1551	1554	S10	E73	7530	07	1.1	7	SF		3	E		28		
	HTPR	25	1547	1551	1555	S12	E75	7530	07	1.3	8	N			C	1551	80		DT
	KANZ	25	1552E	1552U	1556	S11	E71	7530	07	1.0	4D	SF		2	C				
		25	1856		2031	No Flare Patrol													
0210	HOLL	25	1917	1921	1926	S13	E83	7530	07	2.1	9	SF		3	E		45		
0211	HOLL	25	1940	1944	1951	S12	E82	7530	07	2.0	11	SN		3	E		59		
0212	HOLL	25	1943	1951	2046	N02	W20	7528	06	24.3	63	SF		3	E		21		
0213	HOLL	25	2029	2032	2046	S09	E78	7530	07	1.7	17	SF		3	E		28		
		25	2033		2043	No Flare Patrol													
		25	2106		2139	No Flare Patrol													
		25	2158		2312	No Flare Patrol													
0214	LEAR	26	0147E	0148U	0151D	S10	E77	7530	07	1.9	4D	1N		2	E		128		F
		26	0208		0255	No Flare Patrol													
		26	0301		0329	No Flare Patrol													
0215		26	08096	08126	0848	S13	E39	7529	06	29.3	39	SF					114		FS
	SVTO	26	0809	0812	0847	S13	E39	7529	06	29.3	38	SF		3	E		98		FS
	LARI	26	0811	0815	0841	S12	E39	7529	06	29.3	30	SF			P				
	LEAR	26	0815	0818	0855	S14	E39	7529	06	29.3	40	1F		3	E		129		F
0216		26	0938	0942	1010	S08	E71	7530	07	1.7	32	1N					102		DEF
	SVTO	26	0938	0942	1020	S08	E71	7530	07	1.7	42	1N		3	E		187		FE
	URUM	26	0950E	0950U	1000	S09	E71	7530	07	1.7	10D	SF			C		16		D
0217		26	1032	1034	1054	S09	E68	7530	07	1.5	22	SF					33		DF
	URUM	26	1032	1034	1044	S09	E67	7530	07	1.5	12	SF			C		16		D
	SVTO	26	1032	1034	1103	S09	E69	7530	07	1.6	31	SF		3	E		50		F
0218		26	12296	12372	1249	S10	E64	7530	07	1.3	20	SF					51		EF
	SVTO	26	1229	1239	1252	S09	E68	7530	07	1.6	23	SF		3	E		37		E
	RAMY	26	1232E	1237	1246	S11	E62	7530	07	1.2	14D	SN		3	E		75		F
	HOLL	26	1235	1237U	1345D	S11	E61	7530	07	1.1	70D	SF		2	E		42		F
0219		26	1455	14569	1520	S10	E70	7530	07	1.9	25	SF					49		EFT
	SVTO	26	1455	1456	1524	S09	E64	7530	07	1.4	29	SF		3	E		15		F
	RAMY	26	1455	1505	1520	S11	E70	7530	07	1.9	25	SF		3	E		42		F
	HTPR	26	1507E		1517	S11	E75	7530	07	2.3	10D	N			C	1507	90		ET
0220		26	1454*	1535	1607	S10	E64	7530	07	1.4	73	SN					61		DEFT
	HOLL	26	1454	1535	1607	S11	E62	7530	07	1.3	73	SN		3	E		82		FE
	HTPR	26	1531	1535	1538D	S10	E67	7530	07	1.7	7D	N			C	1535	40		DT

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0221	RAMY	26	1612	1626	1629	S10	E66	7530	07	1.6	17	SF		3	E		17		F
0222	HOLL	26	1829	1833	1849	S11	E59	7530	07	1.2	20	SF		3	E		21		F
0223	RAMY	26	1833	1833	1850	S11	E66	7530	07	1.7	17	SF		3	E		13		F
0224	HOLL	26	1845	1845	1849	S11	E31	7529	06	29.1	4	SF		3	E		17		
0225	RAMY	26	1921	1921	2003	S10	E63	7530	07	1.5	42	SF		3	E		28		EF
		26	1929		2001	No Flare Patrol													
0226	HOLL	26	2134	2134	2140	S12	E57	7530	07	1.2	6	SF		3	E		20		
		26	2213		2229	No Flare Patrol													
0227	MITK	26	2248	2249	2251	S15	E56	7530	07	1.2	3	SN			C	2249	36	0.7	D
0228	MITK	26	2308	2311	2313	S14	E54	7530	07	1.0	5	SB			C	2311	84	1.6	D
0229	MITK	26	2358	2400	2406	S15	E55	7530	07	1.2	8	SB			C	2400	90	1.7	D
0230		27	00296	0036*	0048	S14	E56	7530	07	1.2	19	SN					52	1.0	DE
	MITK	27	0029	0047	0056	S15	E55	7530	07	1.2	27	SB			C	0047	84	1.6	D
	WATU	27	0035	0036	0040	S12	E57	7530	07	1.3	5	SF			C	0036	20	0.4	E
0231	URUM	27	0137	0140	0152	N05	E59		07	1.5	15	SF			C		32	0.6	D
0232	LEAR	27	0138	0210	0220	S12	E61	7530	07	1.7	42	SF		3	E		36		
0233	URUM	27	0155	0207	0222	N07	E58		07	1.4	27	SN			C		80	1.5	E
0234	MITK	27	0206	0206	0219	S15	E53	7530	07	1.1	13	SB			C	0206	89	1.6	D
0235		27	02371	02401	0244	S14	E54	7530	07	1.2	7	SN					30	0.6	D
	URUM	27	0237	0241	0247	S12	E55	7530	07	1.2	10	SF			C		32	0.6	D
	MITK	27	0238	0240	0242	S15	E52	7530	07	1.0	4	SN			C	0240	28	0.5	D
0236		27	04313	04331	0445	S11	E52	7530	07	1.1	14	SN					65	0.9	DE
	LEAR	27	0431	0433	0446	S10	E52	7530	07	1.1	15	SN		3	E		71		E
	SVTO	27	0431	0433	0449	S10	E53	7530	07	1.2	18	SF		3	E		98		
	WATU	27	0431	0434	0437	S11	E53	7530	07	1.2	6	SF			C	0434	20	0.4	D
	URUM	27	0432	0434	0445	S12	E52	7530	07	1.1	13	SN			C		48	0.8	D
	TACH	27	0434	0434	0446	S11	E52	7530	07	1.1	12	SB		2	C	0434	86	1.5	E
0237	SVTO	27	0519	0530	0538	S10	E53	7530	07	1.2	19	SF		3	E		21		
0238	SVTO	27	0543	0547	0606	S13	E55	7530	07	1.4	23	SF		3	E		21		
0239	URUM	27	0615E	0615	0622	S11	E53	7530	07	1.2	7D	SF			C		16	0.3	D
0240	SVTO	27	0632	0633	0640	S09	E57	7530	07	1.5	8	SF		3	E		20		
0241		27	08201	08221	0828	S10	E52	7530	07	1.2	8	SF					14	0.3	D
	SVTO	27	0820	0822	0828	S10	E52	7530	07	1.2	8	SF		3	E		11		
	URUM	27	0821	0823	0827	S11	E52	7530	07	1.3	6	SF			C		16	0.3	D
0242	SVTO	27	0952	1011	1036	S10	E57	7530	07	1.7	44	SF		3	E		23		F
0243	SVTO	27	1015	1020	1024	S10	E21	7529	06	29.0	9	SF		3	E		12		
0244		27	1115	1129	1214	S10	E56	7530	07	1.7	59	2N					284		EFU
	RAMY	27	1115E	1128U	1243D	S10	E55	7530	07	1.6	88D	2N		3	E		271		FE
	SVTO	27	1115	1129	1214	S09	E58	7530	07	1.8	59	2N		3	E		296		UF
0245	HOLL	27	1354	1356	1400	S10	E52	7530	07	1.5	6	SF		3	E		66		H
0246	HOLL	27	1414	1414	1420	S14	E22	7529	06	29.2	6	SF		3	E		11		

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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
0247	HOLL	27	1420	1421	1433	S09	E53	7530	07	1.6	13	SF		3	E		17		
0248		27	14442	1447	1500	S11	E46	7530	07	1.1	16	SF					18		
	HOLL	27	1444	1447	1506	S11	E46	7530	07	1.1	22	SF		3	E		23		
	RAMY	27	1446	1447	1455	S11	E46	7530	07	1.1	9	SF		3	E		13		
0249	HOLL	27	1532	1532	1540	S11	E54	7530	07	1.7	8	SF		3	E		13		
0250	HOLL	27	1649	1649	1655	N09	W27	7531	06	25.7	6	SF		3	E		11		H
0251	SVTO	27	1659	1710	1719	N04	E70	7535	07	2.9	20	SF		3	E		15		F
0252		27	18541	18551	1904	S11	E44	7530	07	1.1	10	SF					22		
	RAMY	27	1854	1855	1905	S11	E44	7530	07	1.1	11	SF		3	E		24		
	HOLL	27	1855	1856	1903	S11	E43	7530	07	1.0	8	SF		3	E		21		
0253	HOLL	27	2121	2125	2136	S14	E18	7529	06	29.2	15	SF		3	E		26		FS
0254	HOLL	27	2130	2140	2154	S11	E43	7530	07	1.1	24	SF		3	E		72		F
0255	VORO	27	2332	2334	2344	S10	E80		07	4.0	12	SF		2	C	2334	54	1.9	DIJT
0256	HOLL	27	2332	2332	2339	S12	E42	7530	07	1.1	7	SF		3	E		28		F
0257	HOLL	28	0012	0017	0051	S07	E49	7530	07	1.7	39	SF		3	E		52		F
0258	VORO	28	0013	0017	0033	S09	E15	7529	06	29.1	20	SF		2	C	0017	72	0.8	DIJT
0259		28	0059*	01074	0153	N01	E69	7535	07	3.2	54	1N					92	3.2	,EHJ
	VORO	28	0059	0108	0139	N02	E70	7535	07	3.3	40	1F		2	C	0108	116	3.2	EJH
	LEAR	28	0106	0107	0130	N03	E69	7535	07	3.2	24	SF		3	E		57		
	MITK	28	0109	0111	0231	S03	E67	7535	07	3.0	82	1B			C	0111	104		E,H
0260		28	01551	0157	0200	S10	E45	7530	07	1.5	5	SF					49	1.0	DIJT
	VORO	28	0155	0157	0159	S09	E45	7530	07	1.4	4	SF		2	C	0157	63	0.9	DIJT
	URUM	28	0155E	0157	0200	S10	E47	7530	07	1.6	5D	SF			C		64	1.0	D
	LEAR	28	0156	0157	0201	S10	E44	7530	07	1.4	5	SF		3	E		21		
0261		28	03152	03202	0344	S08	E55	7530	07	2.2	29	SF					45	0.9	DF
	URUM	28	0315	0320	0341	S09	E56	7530	07	2.3	26	SF			C		48	0.9	D
	LEAR	28	0317	0322	0347	S08	E54	7530	07	2.2	30	SF		3	E		42		F
0262	ABST	28	0446	0449	0452	S18	E60	7534	07	2.8	6	SN			C	0449	87	1.7	D
0263	SVTO	28	0512E	0514U	0517	S15	E58	7534	07	2.6	5D	SF		3	E		20		H
0264	URUM	28	0547	0551	0555	S12	E39	7530	07	1.2	8	SF			C		32	0.4	D
0265		28	05491	0550	0553	S14	E59	7534	07	2.7	4	SF					29		H
	SVTO	28	0549	0550	0554	S14	E60	7534	07	2.8	5	SF		3	E		36		H
	LEAR	28	0550	0550	0552	S15	E58	7534	07	2.6	2	SF		3	E		22		
0266		28	05557	06057	0622	S13	E14	7529	06	29.3	27	SF					30		F
	SVTO	28	0555	0612	0625	S14	E15	7529	06	29.4	30	SF		3	E		30		F
	LARI	28	0602	0605	0618	S12	E14	7529	06	29.3	16	SF			P				
0267		28	0913	09174	0947	S12	E13	7529	06	29.4	34	SF					56		FH
	LARI	28	0913	0917	0950	S12	E14	7529	06	29.4	37	SF			P				
	SVTO	28	0913	0921	0944	S13	E12	7529	06	29.3	31	SF		3	E		56		FH
0268	URUM	28	0914E	0921E	0950	N17	E15	7529A	06	29.5	36D	SN			C		113	1.2	E
0269	SVTO	28	1144	1146	1149	N00	W59	7528	06	24.1	5	SF		3	E		12		F
0270		28	1242*	12563	1318	S09	E39	7530	07	1.4	36	SF					80		FH
	SVTO	28	1242	1259	1321	S10	E35	7530	07	1.1	39	SF		3	E		89		FH
	RAMY	28	1254	1256	1313	S07	E43	7530	07	1.7	19	SF		3	E		66		FH
	HOLL	28	1258	1302U	1320	S10	E40	7530	07	1.5	22	SF		2	E		85		FH

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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	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0271	HOLL	28	1312	1314	1322	N01	W60	7528	06 24.1	10	SF		3	E		16		
0272	HOLL	28	1325	1326	1337	S10	E38	7530	07 1.4	12	SF		3	E		12		
0273		28	14024	14051	1409	S10	E30	7530	06 30.8	7	SF					28		FH
	HOLL	28	1402	1405	1408	S11	E30	7530	06 30.8	6	SF		3	E		27		
	SVTO	28	1405	1406	1408	S10	E31	7530	06 30.9	3	SF		3	E		30		FH
	KANZ	28	1406	1406	1410	S10	E29	7530	06 30.8	4	SF		2	C				
0274	KANZ	28	1430	1434	1438	N01	W60	7528	06 24.1	8	SF		2	C				
0275		28	15108	1511*	1526	N01	W61	7528	06 24.1	16	SF					45		F
	KANZ	28	1510	1522	1530	N02	W60	7528	06 24.1	20	SF		2	C				
	SVTO	28	1511	1511	1514	N00	W61	7528	06 24.1	3	SF		3	E		12		
	HOLL	28	1511	1520	1529	N02	W62	7528	06 24.0	18	SF		3	E		62		F
	SVTO	28	1518	1520	1529	N00	W61	7528	06 24.1	11	SF		3	E		62		F
0276		28	16042	16051	1609	N02	W54	7528	06 24.6	5	SF					19		
	HOLL	28	1604	1605	1608	N02	W55	7528	06 24.6	4	SF		3	E		19		
	KANZ	28	1606	1606	1610	N02	W52	7528	06 24.8	4	SF		2	C				
0277	HOLL	28	1648	1649	1651	N03	W62	7528	06 24.1	3	SF		3	E		17		
0278		28	16469	16566	1714	N02	W62	7528	06 24.1	28	SF					56		
	KANZ	28	1646	1702	1714	N02	W61	7528	06 24.1	28	SF		2	C				
	HOLL	28	1655	1656	1714	N03	W62	7528	06 24.1	19	SF		3	E		56		
0279	RAMY	28	1722	1724	1728	S12	E40	7530	07 1.7	6	SF		3	E		28		F
0280	HOLL	28	1821	1829	1835	S13	E06	7529	06 29.2	14	SF		3	E		23		F
		28	1948		2024	No Flare Patrol												
		28	2053		2206	No Flare Patrol												
0281	HOLL	28	2055	2100	2112	S16	E06	7529	06 29.3	17	SF		3	E		20		
0282	HOLL	28	2157	2159	2208	N03	W65	7528	06 24.0	11	SF		3	E		54		H
0283		29	00112	0014	0032	S14	E04	7529	06 29.3	21	SF					54	0.9	EFHIJ
	VORO	29	0011	0014	0038	S13	E04	7529	06 29.3	27	SF		2	C	0014	81	0.9	EIJH
	HOLL	29	0013	0014	0027	S15	E03	7529	06 29.2	14	SF		3	E		26		FH
0284		29	0109	0111	0118	N02	W68	7528	06 24.0	9	SF					35	1.4	D
	HOLL	29	0109	0111	0117	N03	W67	7528	06 24.0	8	SF		3	E		16		
	VORO	29	0109	0111	0118	N02	W68	7528	06 24.0	9	SF		2	C	0111	54	1.4	D
0285		29	07521	0753	0802	S11	W01	7529	06 29.2	10	SF					49		F
	LEAR	29	0752	0753	0801	S11	W02	7529	06 29.2	9	SF		3	E		37		F
	SVTO	29	0752	0753	0805	S12	E00	7529	06 29.3	13	SF		3	E		61		
	KANZ	29	0753	0753	0801	S11	W01	7529	06 29.2	8	SF		2	C				
0286		29	08564	09001	0906	S10	W05	7529	06 29.0	10	SF					34	0.5	DF
	LEAR	29	0856	0900	0905	S10	W04	7529	06 29.1	9	SF		3	E		19		F
	KANZ	29	0857	0901	0909	S11	W04	7529	06 29.1	12	SF		2	C				
	URUM	29	0900	0901	0904	S10	W06	7529	06 28.9	4	SF			C		48	0.5	D
0287		29	15541	1605	1622	S12	E21	7530	07 1.2	28	SF					28		F
	RAMY	29	1554	1605	1622	S13	E21	7530	07 1.2	28	SF		3	E		26		F
	HOLL	29	1555	1605	1621	S12	E21	7530	07 1.2	26	SF		3	E		31		F
0288	HOLL	29	1910	1910	1917	S12	W09	7529	06 29.1	7	SF		3	E		18		F
0289	HOLL	29	1932	1935	1939	S12	W07	7529	06 29.3	7	SF		3	E		17		
		30	0000		0000	No Flare Patrol												
0290	LEAR	30	0110	0112	0115	N02	W56	7531	06 25.9	5	SF		3	E		17		

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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	Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0291		30	0443	0452	0530	S12	E19	7530	07	1.6	47	SF					35		F
	LEAR	30	0443	0452	0529	S13	E19	7530	07	1.6	46	SF		3	E		30		F
	SVTO	30	0445E	0449U	0530	S12	E19	7530	07	1.6	45D	SF		2	E		40		F
0292	KANZ	30	0607	0607	0611	S15	E14	7530	07	1.3	4	SF		2	C				
		30	1706		1712	No Flare Patrol													
		30	1743		1752	No Flare Patrol													
		30	1804		1816	No Flare Patrol													
		30	1828		1837	No Flare Patrol													
		30	1928		1951	No Flare Patrol													
		30	2032		2039	No Flare Patrol													
		30	2117		2206	No Flare Patrol													
0293	VORO	30	2252E	2254	2311D	S12	E07	7530	07	1.5	19D	SF		2	C	2254	108	1.3	EIJT

"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