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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
		01	0009		0230	No Flare Patrol													
0001	KANZ	01	0811E		0830	N15	E25	10175	11	3.2	19D	SF		2	E				
0002	KANZ	01	0857	0859	0908	S29	E28	10174	11	3.6	11	SF		2	E				
0003	KANZ	01	0942	0944	0950	N15	E26	10175	11	3.4	8	SF		2	E				
0004		01	1034*	1039*	1057	N16	E24	10175	11	3.3	23	SN					17		F
	KANZ	01	1034	1039	1053	N15	E25	10175	11	3.3	19	SN		2	E				
	RAMY	01	1053	1057	1101	N16	E24	10175	11	3.3	8	SF		3	E		17		F
0005	RAMY	01	1221	1221	1230	S15	E89	10182	11	8.2	9	SF		3	E		14		
0006	RAMY	01	1614	1620	1640	N18	E41	10177	11	4.8	26	SF		3	E		18		F
0007	RAMY	01	1931	1931	1935	N10	W76		10	27.2	4	SF		3	E		34		F
		01	2056		2211	No Flare Patrol													
0008	LEAR	02	0811	0813	0816	S09	E62	10180	11	7.0	5	SF		3	E		35		F
0009		02	1355	1355	1359	N14	E37	10177	11	5.4	4	SF					17		F
	SVTO	02	1355	1355	1359	N12	E37	10177	11	5.4	4	SF		3	E		17		F
	RAMY	02	1355	1355	1359	N15	E37	10177	11	5.4	4	SF		3	E		17		F
		02	1917		1924	No Flare Patrol													
		02	1932		2001	No Flare Patrol													
		02	2014		2024	No Flare Patrol													
0010		02	2208	2219	2250	S10	E55	10180	11	7.0	42	1F					132		F
	HOLL	02	2208	2219	2300D	S09	E52	10180	11	6.8	52D	1F		3	E		185		
	LEAR	02	2215E	2215U	2250	S12	E58	10180	11	7.3	35D	SF		3	E		78		F
0011	LEAR	03	0554	0605	0641	N15	E25	10177	11	5.1	47	SF		3	E		90		F
0012	LEAR	03	0951	0957	1005	N17	E24	10177	11	5.2	14	SF		3	E		41		F
		03	1007		1041	No Flare Patrol													
0013		03	1257	1258	1312	S09	E44	10180	11	6.8	15	SF					11		
	SVTO	03	1257E	1258U	1305D	S11	E43	10180	11	6.8	8D	SF		2	E		11		
	RAMY	03	1257	1258	1312	S07	E45	10180	11	6.9	15	SF		3	E		11		
0014	RAMY	03	1344	1350	1442	N15	E26	10177	11	5.5	58	1F		3	E		187		FH
0015		03	1400	1401	1438	N14	E22	10177	11	5.2	38	1F					242		FH
	SVTO	03	1356E	1406U	1445D	N15	E20	10177	11	5.1	49D	1F		2	E		261		FH
	HOLL	03	1400	1401	1438	N14	E25	10177	11	5.5	38	1F		3	E		223		FH
0016	HOLL	03	1445	1446	1454	S08	E43	10180	11	6.8	9	SF		3	E		16		F
0017	RAMY	03	1734	1801	1817	S06	E43	10180	11	6.9	43	SF		3	E		31		FH
0018	HOLL	03	1914	1922	1930	S09	E41	10180	11	6.9	16	SF		3	E		34		
0019	HOLL	03	1952	1953	1958	S08	E40	10180	11	6.8	6	SF		3	E		20		F
0020	LEAR	04	0122	0127	0136	S09	E37	10180	11	6.8	14	SF		3	E		36		F
0021	LEAR	04	0324	0330	0346	N14	E19	10177	11	5.6	22	SF		3	E		25		F
0022	LEAR	04	0511	0515	0535	S10	E33	10180	11	6.7	24	SF		3	E		14		
0023	LEAR	04	0642	0646	0650	S10	E32	10180	11	6.7	8	SF		3	E		13		
0024	LEAR	04	0716	0728	0732	S11	E33	10180	11	6.8	16	SF		3	E		11		
0025	LEAR	04	0733	0735	0738	S10	E36	10180	11	7.0	5	SF		3	E		20		F

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0026	LEAR	04	0752	0755	0809	S10	E31	10180	11	6.6	17	SF		3	E		17		H
0027	LEAR	04	0837	0838	0846	S10	E31	10180	11	6.7	9	SF		3	E		15		
0028	LEAR	04	0930	0931	0938	S10	E30	10180	11	6.6	8	SF		3	E		11		
		04	0952		1048	No Flare Patrol													
		04	1103		1124	No Flare Patrol													
0029	RAMY	04	1125E	1127U	1136	S08	E31	10180	11	6.8	11D	SF		3	E		14		F
		04	1529		1543	No Flare Patrol													
0030	RAMY	04	1625	1634	1708	N16	E03	10177	11	4.9	43	SF		3	E		19		F
		04	1711		1809	No Flare Patrol													
0031	RAMY	04	1811E	1822U	1906	S09	E26	10180	11	6.7	55D	SF		3	E		47		F
		04	1836		1901	No Flare Patrol													
		04	2007		2210	No Flare Patrol													
0032	LEAR	05	0330	0331	0425	S12	E29	10180	11	7.3	55	SF		4	E		16		
0033	LEAR	05	0449	0456	0457	S10	E19	10180	11	6.6	8	SF		3	E		15		
0034	LEAR	05	0458	0511	0514	S10	E19	10180	11	6.6	16	SF		3	E		27		F
0035	LEAR	05	0552	0554	0557	N19	W01	10177	11	5.2	5	SF		3	E		52		FH
0036	SVTO	05	0945	0947	0949D	N13	E02	10177	11	5.5	4D	SF		3	E		20		F
		05	1055		1056	No Flare Patrol													
0037		05	12591	12592	1305	N20	W05	10177	11	5.1	6	SF					19		FH
	KANZ	05	1259	1259	1304D	N20	W06	10177	11	5.1	5D	SF		2	E				
	RAMY	05	1300	1301	1305	N20	W04	10177	11	5.2	5	SF		3	E		19		FH
0038		05	12563	12575	1313	S10	E22	10180	11	7.2	17	SF					52		FH
	RAMY	05	1256	1257	1313	S10	E24	10180	11	7.3	17	SN		3	E		83		FH
	SVTO	05	1258E	1302U	1303D	S12	E22	10180	11	7.2	5D	SF		2	E		21		
	KANZ	05	1259	1302	1304D	S09	E21	10180	11	7.1	5D	SF		2	E				
0039		05	1344*	1350*	1401	S10	E15	10180	11	6.7	17	SF					16		F
	RAMY	05	1344	1350	1356	S09	E15	10180	11	6.7	12	SF		3	E		17		F
	RAMY	05	1400	1401	1406	S10	E15	10180	11	6.7	6	SF		3	E		15		
0040	RAMY	05	1609	1610	1620	N20	W07	10177	11	5.1	11	SN		3	E		46		H
0041	RAMY	05	1636	1638	1704	S11	E15	10180	11	6.8	28	SF		3	E		63		F
0042	HOLL	05	1818	1822	1835	S14	E57	10185	11	10.1	17	SF		3	E		49		F
0043	HOLL	05	2043	2044	2054	N21	W09	10177	11	5.2	11	SF		3	E		21		FH
0044	HOLL	05	2103	2109	2136	N15	W06	10177	11	5.4	33	SF		3	E		52		F
0045	HOLL	05	2152	2153	2219	N15	W07	10177	11	5.4	27	SF		3	E		23		F
0046	LEAR	06	0509	0528	0559	S13	E13	10180	11	7.2	50	SF		3	E		93		FH
0047	KANZ	06	0801	0806	0813	N15	W13	10177	11	5.3	12	SF		2	E				
0048	LEAR	06	0801	0812	0819	N17	W15	10177	11	5.2	18	SF		3	E		24		F
0049		06	0833	0833	0839	S08	E02	10180	11	6.5	6	SF					20		
	LEAR	06	0833	0833	0839	S08	E02	10180	11	6.5	6	SF		3	E		20		
	KANZ	06	0836E	0836U	0839	S08	E03	10180	11	6.6	3D	SF		2	E				

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0050		06	0838	0838	0848	S04	W10	10181	11	5.6	10	SF					10		
	KANZ	06	0836E	0838	0848	S05	W10	10181	11	5.6	12D	SF		2	E				
	LEAR	06	0838	0838	0847	S04	W10	10181	11	5.6	9	SF		3	E		10		
0051	KANZ	06	1159	1207	1221	N15	W15	10177	11	5.4	22	SF		2	E				
0052		06	1434	1438	1448	N12	E26	10188	11	8.6	14	SF					42		FH
	HOLL	06	1434	1438	1445	N12	E26	10188	11	8.6	11	SF		3	E		37		H
	RAMY	06	1434	1438	1452	N11	E26	10188	11	8.6	18	SF		3	E		47		F
0053	RAMY	06	1444	1446	1456	S08	E03	10180	11	6.8	12	SF		3	E		15		F
0054	HOLL	06	1524	1533	1555	N11	E26	10188	11	8.6	31	SF		3	E		19		FH
0055	RAMY	06	1532	1543	1554	N11	E25	10188	11	8.5	22	SF		3	E		29		FH
0056		06	16411	1643	1648	S08	E06	10180	11	7.1	7	SF					28		FH
	HOLL	06	1641	1643	1648	S08	E06	10180	11	7.1	7	SF		3	E		19		F
	RAMY	06	1642	1643	1648	S08	E06	10180	11	7.1	6	SF		3	E		36		H
0057		06	1646	1647	1654	N16	W16	10177	11	5.5	8	SF					24		FH
	HOLL	06	1646	1647	1654	N16	W16	10177	11	5.5	8	SF		3	E		22		F
	RAMY	06	1646	1647	1654	N16	W17	10177	11	5.4	8	SF		3	E		25		FH
0058	RAMY	06	1756	1758	1807	S09	E02	10180	11	6.9	11	SF		3	E		21		
0059	RAMY	06	1818	1819	1822	S08	E01	10180	11	6.8	4	SF		3	E		10		
0060		06	18275	18341	1848	N12	E24	10188	11	8.6	21	SF					18		F
	RAMY	06	1827	1834	1851	N11	E23	10188	11	8.5	24	SF		3	E		24		F
	HOLL	06	1832	1835	1846	N12	E24	10188	11	8.6	14	SF		3	E		13		F
0061		06	19431	19441	2008	N06	E10	10187	11	7.6	25	SF					40		F
	RAMY	06	1943	1945	2023	N05	E09	10187	11	7.5	40	SF		3	E		66		
	HOLL	06	1944	1944	1952	N06	E10	10187	11	7.6	8	SF		3	E		14		F
0062	RAMY	06	1945	1946	2024	N11	E22	10188	11	8.5	39	SF		3	E		15		
0063	HOLL	06	2018	2018	2023	N12	E23	10188	11	8.6	5	SF		3	E		28		
0064	HOLL	06	2140	2140	2144	S08	W04	10180	11	6.6	4	SF		3	E		14		F
0065	HOLL	06	2154	2156	2158	S08	W02	10180	11	6.8	4	SF		3	E		14		F
0066		06	2311	23155	2338	N16	W22	10177	11	5.3	27	SF					77		F
	LEAR	06	2311	2315	2334	N16	W23	10177	11	5.2	23	SF		2	E		76		F
	HOLL	06	2311	2320	2341	N16	W21	10177	11	5.4	30	SF		3	E		78		F
0067	HOLL	06	2320	2320	2329	N11	E21	10188	11	8.5	9	SF		3	E		13		F
0068	LEAR	07	0125	0125	0137	N09	E20	10188	11	8.6	12	SF		2	E		13		F
0069	LEAR	07	0343	0344	0351	S10	W05	10180	11	6.8	8	SF		2	E		34		F
0070	LEAR	07	0525	0533	0601	S10	W06	10180	11	6.8	36	SF		3	E		72		F
0071	LEAR	07	0622	0807	0830	S10	W07	10180	11	6.7	128	SF		3	E		43		F
0072		07	0626*	06334	0648	N18	W30	10177	11	5.0	22	SF					49		F
	LEAR	07	0626	0633	0654	N17	W30	10177	11	5.0	28	SF		3	E		78		F
	SVTO	07	0636	0637	0641	N18	W29	10177	11	5.1	5	SF		3	E		20		F
0073	LEAR	07	0827	0827	0841	N10	E16	10188	11	8.5	14	SF		3	E		17		
0074	SVTO	07	0903	0904	0908	S10	W11	10180	11	6.5	5	SF		3	E		51		F
0075	RAMY	07	1140	1145	1152	S12	W16	10180	11	6.3	12	SF		3	E		34		F
0076	RAMY	07	1156	1159	1208	S08	W07	10180	11	7.0	12	SF		3	E		23		F

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0077	RAMY	07	1328	1329	1335	S22	E62	10190	11	12.3	7	SF		3	E		14		
0078	RAMY	07	1350	1354	1359	S22	E62	10190	11	12.3	9	SF		3	E		19		
0079		07	1427*	1448	1452	S22	E60	10190	11	12.2	25	SF					24		F
	HOLL	07	1427	1448	1452	S22	E60	10190	11	12.2	25	SF		3	E		31		F
	RAMY	07	1448	1448	1452	S22	E61	10190	11	12.3	4	SF		3	E		16		
0080	RAMY	07	2034	2034	2045	S06	W16	10180	11	6.6	11	SF		3	E		10		
0081	LEAR	08	0203	0204	0224	S08	W19	10180	11	6.7	21	SF		3	E		30		F
0082	LEAR	08	0502	0504	0518	S07	W22	10180	11	6.6	16	SF		2	E		59		F
0083		08	0820	08444	0930	S09	W22	10180	11	6.7	70	SF					70		F
	KANZ	08	0820	0844	0928	S08	W24	10180	11	6.5	68	SF		2	E				
	LEAR	08	0820	0848	0933	S10	W19	10180	11	6.9	73	SF		3	E		70		F
0084	KANZ	08	1004	1009	1017	S08	W24	10180	11	6.6	13	SF		2	E				
		08	1038		1041	No Flare Patrol													
0085	RAMY	08	1059	1059	1109	S08	W26	10180	11	6.5	10	SF		3	E		20		
0086	RAMY	08	1222	1223	1231	S09	W26	10180	11	6.6	9	SF		3	E		14		
0087	HOLL	08	1427	1428	1433	S08	W27	10180	11	6.6	6	SF		3	E		53		F
0088	RAMY	08	1447	1448	1456	S09	W27	10180	11	6.6	9	SF		3	E		13		
0089	RAMY	08	1457	1458	1502	S08	W27	10180	11	6.6	5	SF		3	E		14		
0090	RAMY	08	1758	1807	1900	S11	W18	10180	11	7.4	62	SF		3	E		90		FH
0091	HOLL	08	1802	1818	1903	S12	W19	10180	11	7.3	61	1F		3	E		127		FH
		08	1958		2158	No Flare Patrol													
		09	0946		1006	No Flare Patrol													
0092	RAMY	09	1148	1148	1218	S11	W36	10180	11	6.8	30	SF		3	E		23		FH
0093	RAMY	09	1317	1317	1322	S12	W01	10185	11	9.5	5	SF		3	E		10		
0094	RAMY	09	1350	1402	1428	N10	W14	10188	11	8.5	38	SF		3	E		49		F
0095	RAMY	09	1309	1322	1428	S12	W29	10180	11	7.4	79	2B		3	E		555		FU
0096	SVTO	09	1416E	1416U	1422	S07	W32	10180	11	7.2	6D	SF		2	E		37		F
0097	RAMY	09	1522	1526	1530	S10	W38	10180	11	6.8	8	SF		3	E		21		F
0098	HOLL	09	1533	1551	1604	N15	W81	10175	11	3.5	31	SF		3	E		91		
0099	RAMY	09	1620	1620	1629	S11	W40	10180	11	6.7	9	SF		3	E		15		F
0100	HOLL	09	1622	1622	1625	S12	W32	10180	11	7.3	3	SF		3	E		13		
0101		09	1742	17422	1748	S20	E70	10191	11	15.1	6	SF					30		FH
	RAMY	09	1742	1742	1747	S20	E69	10191	11	15.0	5	SF		3	E		22		H
	HOLL	09	1742	1744	1748	S19	E70	10191	11	15.1	6	SF		3	E		39		F
0102	RAMY	09	1817	1828	1834	S11	W41	10180	11	6.7	17	SF		3	E		21		
0103	RAMY	09	1835	1835	1838	S19	E64	10191	11	14.6	3	SF		3	E		11		
0104	RAMY	09	1919	1920	1925	S11	W42	10180	11	6.6	6	SF		3	E		15		F
0105	RAMY	09	1956	2004	2025	S10	W42	10180	11	6.7	29	SF		3	E		17		

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0106	RAMY	09	2012	2013	2016	S17	E67	10191	11	14.9	4	SF		3	E		10		
0107	HOLL	09	2034	2035	2045	S18	E67	10191	11	14.9	11	SF		3	E		45		
0108	HOLL	09	2109	2117	2123	S10	W44	10180	11	6.6	14	SF		3	E		12		
		09	2256		2310	No Flare Patrol													
0109	LEAR	10	0307	0314	0358	S12	W37	10180	11	7.3	51	2N		3	E		522		FU
0110		10	07412	0743	0746	S10	W47	10180	11	6.8	5	SF					23		
	KANZ	10	0741	0743	0745	S10	W45	10180	11	6.9	4	SF		2	E				
	LEAR	10	0743	0743	0746	S10	W49	10180	11	6.6	3	SF		3	E		23		
0111	KANZ	10	0839	0840	0841	S18	E58	10191	11	14.8	2	SF		2	E				
0112	LEAR	10	0939	0939	0943	S17	E60	10191	11	15.0	4	SF		2	E		21		
		10	1010		1021	No Flare Patrol													
0113	KANZ	10	1045	1046	1049	S22	E19	10190	11	11.9	4	SF		2	E				
0114		10	1136	11371	1144	S18	E60	10191	11	15.0	8	SF					23		
	KANZ	10	1136	1137	1139	S19	E60	10191	11	15.1	3	SF		2	E				
	RAMY	10	1136	1138	1149	S18	E60	10191	11	15.0	13	SF		3	E		23		
0115		10	1143*	12125	1236	S08	W48	10180	11	6.9	53	SF					70		F
	RAMY	10	1143	1217	1242	S08	W48	10180	11	6.9	59	SF		3	E		70		F
	KANZ	10	1208	1212	1230	S08	W48	10180	11	6.9	22	SF		2	E				
0116	KANZ	10	1149	1150	1206	S07	W48	10181	11	6.9	17	SF		2	E				
0117	RAMY	10	1419	1419	1424	S12	W43	10180	11	7.3	5	SF		3	E		12		F
0118	RAMY	10	1458	1459	1507	S19	E55	10191	11	14.8	9	SF		3	E		15		
0119	RAMY	10	1459	1504	1531	S10	W54	10180	11	6.6	32	SF		3	E		21		
0120	RAMY	10	1508	1509	1515	S14	E38	10191	11	13.5	7	SF		3	E		14		
		10	1809		2202	No Flare Patrol													
0121	LEAR	11	0037	0037	0043	S12	W49	10180	11	7.3	6	SF		3	E		27		F
0122	LEAR	11	0235	0236	0238	S10	W51	10180	11	7.3	3	SF		2	E		14		F
0123	LEAR	11	0344	0355	0411	S11	W52	10180	11	7.2	27	SF		3	E		45		H
0124		11	06483	06513	0658	S12	W53	10180	11	7.3	10	SF					30		
	LEAR	11	0648	0651	0700	S11	W54	10180	11	7.2	12	SF		3	E		45		
	SVTO	11	0651	0654	0656	S12	W52	10180	11	7.4	5	SF		3	E		15		
0125		11	0710*	07312	0842	S10	W54	10180	11	7.2	92	2B					369		EF
	SVTO	11	0710	0733	0917	S07	W55	10180	11	7.2	127	2B		3	E		546		FE
	LEAR	11	0729	0731	0807	S12	W53	10180	11	7.3	38	1N		3	E		192		FE
0126	KANZ	11	1029	1030	1034	N10	W38	10188	11	8.6	5	SF		2	E				
0127	RAMY	11	1135	1142	1157	S12	W56	10180	11	7.3	22	SF		3	E		52		F
0128		11	12289	12491	1337	S10	W57	10180	11	7.2	69	1F					144		FH
	KANZ	11	1228	1249	1340	S11	W56	10180	11	7.3	72	1F		2	E				
	RAMY	11	1236	1250	1353	S12	W57	10180	11	7.2	77	1F		3	E		145		FH
	SVTO	11	1237	1249	1318	S07	W59	10180	11	7.1	41	1F		3	E		143		FH
0129	RAMY	11	1411	1416	1418	S12	W59	10180	11	7.1	7	SF		3	E		12		
0130	SVTO	11	1437	1439	1457	S07	W59	10180	11	7.2	20	SF		3	E		43		F

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0131	RAMY	11	1437	1519	1739	S13	W60	10180	11	7.1	182	1N		3	E		112		FH
0132	RAMY	11	1732	1732	1740	S14	W28	10185	11	9.6	8	SF		3	E		16		
0133	LEAR	11	2241	2325	2443	S23	E34	10191	11	14.6	122	SF		3	E		42		F
0134	LEAR	12	0028	0030	0051	S10	W66	10180	11	7.1	23	SF		3	E		28		F
0135	LEAR	12	0211	0212	0233	S11	W67	10180	11	7.0	22	SF		3	E		35		F
		12	0303		0446	No Flare Patrol													
0136		12	07451	07475	0757	S12	W66	10180	11	7.3	12	SF					55		F
	KANZ	12	0745	0747	0754	S11	W65	10180	11	7.4	9	SF		2	E				
	LEAR	12	0746	0752	0800	S12	W66	10180	11	7.3	14	SF		3	E		55		F
0137	KANZ	12	0920	0921	0927	S18	E35	10191	11	15.0	7	SF		2	E				
0138	KANZ	12	0938	0938	0949	S23	W07	10190	11	11.9	11	SF		2	E				
0139	RAMY	12	1130	1130	1135	S14	W67	10180	11	7.4	5	SF		3	E		23		F
0140		12	11321	11351	1141	S18	E34	10191	11	15.1	9	SF					13		F
	RAMY	12	1132	1136	1142	S17	E33	10191	11	15.0	10	SF		3	E		13		F
	KANZ	12	1133	1135	1140	S18	E34	10191	11	15.1	7	SF		2	E				
0141	RAMY	12	1523	1524	1529	S23	W09	10190	11	11.9	6	SF		3	E		11		
0142	HOLL	12	1732	1737	1740	S11	W74	10180	11	7.2	8	SF		3	E		12		
0143		12	17551	18171	1836	S12	W76	10180	11	7.0	41	2N					380		H
	RAMY	12	1755	1817	1834	S12	W77	10180	11	6.9	39	2N		3	E		343		H
	HOLL	12	1756	1818	1839	S11	W75	10180	11	7.1	43	2N		3	E		417		
0144	RAMY	12	1801	1801	1813	S19	E28	10191	11	14.9	12	SF		3	E		13		
0145	HOLL	12	1808	1808	1811	S14	E10	10191	11	13.5	3	SF		3	E		11		
0146		12	18442	18553	1934	S12	W77	10180	11	7.0	50	1N					122		F
	HOLL	12	1844	1855	1934	S11	W76	10180	11	7.1	50	1N		3	E		135		F
	RAMY	12	1846	1858	1935	S12	W78	10180	11	6.9	49	1N		3	E		109		
0147	LEAR	13	0627	0627	0630	N07	W66	10187	11	8.3	3	SF		3	E		16		FH
		13	0938		0942	No Flare Patrol													
		13	1005		1009	No Flare Patrol													
		13	1041		1043	No Flare Patrol													
0148		13	14383	14411	1511	S20	E15	10191	11	14.7	33	SF					16		F
	RAMY	13	1438	1442	1511	S19	E14	10191	11	14.7	33	SF		3	E		16		F
	HOLL	13	1441	1441	1511	S20	E16	10191	11	14.8	30	SF		3	E		17		F
0149	RAMY	13	1728	1730	1827	S20	E15	10191	11	14.9	59	SF		3	E		21		
0150	RAMY	13	1828	1837	1840	S18	E14	10191	11	14.8	12	SF		3	E		20		F
0151	RAMY	13	1844	1847	1850	S18	E14	10191	11	14.8	6	SF		3	E		13		F
		13	1905		2021	No Flare Patrol													
		13	2121		2133	No Flare Patrol													
		14	1001		1050	No Flare Patrol													
0152	RAMY	14	1333	1336	1339	S13	E66	10195	11	19.5	6	SF		3	E		10		F
0153	RAMY	14	1341	1345	1404	S13	E68	10195	11	19.7	23	1N		3	E		167		FU
0154	HOLL	14	1520	1522	1524	S13	W66	10185	11	9.6	4	SF		3	E		15		
0155	RAMY	14	1600	1602	1609	S13	E68	10195	11	19.8	9	SF		3	E		32		

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0156	HOLL	14	1844	1845	1850	S13	E67	10195	11	19.8	6	SF		3	E		19		
		14	1916		1952	No Flare Patrol													
0157	HOLL	14	2007	2009	2011	N10	W33	10192	11	12.3	4	SF		3	E		29		
		14	2215		2243	No Flare Patrol													
0158		14	22532	2257	2307	S14	E62	10195	11	19.6	14	SF					30		F
	HOLL	14	2253	2257	2306	S13	E63	10195	11	19.7	13	SF		3	E		17		
	LEAR	14	2255	2257	2308	S15	E62	10195	11	19.6	13	SF		3	E		43		F
0159	LEAR	14	2315	2316	2321	N12	W34	10192	11	12.4	6	SF		3	E		11		
0160	LEAR	15	0226	0229	0240	N12	W36	10192	11	12.4	14	SF		3	E		31		F
0161	LEAR	15	0545	0548	0552	N13	W36	10192	11	12.5	7	SF		3	E		21		F
0162	LEAR	15	0656	0701	0704	N13	W37	10192	11	12.5	8	SF		3	E		15		
0163	LEAR	15	0720	0728	0734	N12	W37	10192	11	12.5	14	SF		3	E		27		FH
0164	LEAR	15	0828	0833	0914	S14	E58	10195	11	19.7	46	SF		2	E		76		F
		15	0956		1049	No Flare Patrol													
0165	RAMY	15	1133E	1155	1211	N11	W40	10192	11	12.5	38D	1F		3	E		157		F
0166	RAMY	15	1225	1226	1235	S11	E58	10195	11	19.9	10	SF		3	E		18		
0167	RAMY	15	1345	1347	1357	N11	W41	10192	11	12.5	12	SF		3	E		33		F
0168	RAMY	15	1700	1702	1711	N12	W44	10192	11	12.4	11	SF		3	E		19		
0169	RAMY	15	1803	1804	1808	N11	W46	10192	11	12.3	5	SF		3	E		26		
0170	RAMY	15	1833	1833	1840	N11	W43	10192	11	12.5	7	SF		3	E		21		
		15	1906		1911	No Flare Patrol													
0171	HOLL	15	1943	1944	1947	S14	E51	10195	11	19.7	4	SF		3	E		13		
		15	2016		2021	No Flare Patrol													
0172	HOLL	15	2235	2235	2240	N13	W45	10192	11	12.5	5	SF		3	E		23		F
0173	LEAR	16	0258	0259	0306	S16	E51	10195	11	20.0	8	SF		3	E		18		F
0174	LEAR	16	0404	0411	0414	S16	E47	10195	11	19.7	10	SF		3	E		22		F
0175	LEAR	16	0623	0624	0632	S15	E45	10195	11	19.7	9	SF		3	E		74		F
0176	LEAR	16	0634	0635	0644	S19	W18	10191	11	14.9	10	SF		3	E		25		F
0177	LEAR	16	0645	0647	0653	S16	E45	10195	11	19.7	8	SF		3	E		34		F
0178	LEAR	16	0741	0811	0824	N12	W53	10192	11	12.3	43	SF		3	E		16		F
0179	LEAR	16	0851	0852	0856	N12	W53	10192	11	12.4	5	SF		3	E		15		
0180	LEAR	16	0926	0926	0930	S18	E67	10198	11	21.5	4	SF		3	E		21		
0181	LEAR	16	0934	0937	0942	N12	W53	10192	11	12.4	8	SF		3	E		18		
		16	1006		1054	No Flare Patrol													
0182	RAMY	16	1100E	1102U	1113D	N13	W50	10192	11	12.7	13D	SF		3	E		20		
0183	RAMY	16	1226	1227	1232	S15	E73	10198	11	22.0	6	SF		3	E		29		

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0184	RAMY	16	1358	1359	1415	S20	W21	10191	11	15.0	17	SF		3	E		44		F
0185	HOLL	16	1406	1407	1411	S19	W21	10191	11	15.0	5	SF		3	E		17		F
0186	HOLL	16	1421	1421	1428	S19	W22	10191	11	14.9	7	SF		3	E		19		
0187	HOLL	16	1422	1426	1435	S14	E42	10195	11	19.8	13	SF		3	E		28		
0188	HOLL	16	1515	1515	1521	S13	E42	10195	11	19.8	6	SF		3	E		14		
0189		16	15362	15383	1546	S12	E41	10195	11	19.7	10	SF					20		
	HOLL	16	1536	1541	1546	S13	E41	10195	11	19.7	10	SF		3	E		19		
	RAMY	16	1538	1538	1546	S12	E41	10195	11	19.7	8	SF		3	E		21		
0190	RAMY	16	1609	1612	1623	S14	E40	10195	11	19.7	14	SF		3	E		57		
0191		16	1617*	1640	1647	N14	W56	10192	11	12.4	30	SF					18		
	RAMY	16	1617	1640	1649	N13	W56	10192	11	12.4	32	SF		3	E		22		
	HOLL	16	1638	1640	1645	N15	W55	10192	11	12.5	7	SF		3	E		13		
0192	HOLL	16	1951	1952	2002	S14	E39	10195	11	19.8	11	SF		3	E		33		FH
0193	LEAR	17	0104	0105	0122	N16	W60	10192	11	12.5	18	SF		3	E		49		FH
0194	LEAR	17	0714	0719	0725	N15	W63	10192	11	12.5	11	SF		3	E		19		
		17	1014		1021	No Flare Patrol													
0195	HOLL	17	1435	1452	1516	S18	E62	10198	11	22.3	41	SF		3	E		57		
0196		17	1442	1444	1447	N16	W67	10192	11	12.5	5	SF					24		
	HOLL	17	1442	1444	1447	N15	W67	10192	11	12.5	5	SF		3	E		28		
	SVTO	17	1444E	1444U	1450D	N16	W67	10192	11	12.5	6D	SF		2	E		20		
0197	HOLL	17	1508	1508	1512	S19	W35	10191	11	14.9	4	SF		3	E		11		
0198	HOLL	17	1528	1529	1541	S17	W38	10191	11	14.7	13	SF		3	E		11		
0199	HOLL	17	1529	1529	1541	S18	E65	10198	11	22.6	12	SF		3	E		10		
0200	HOLL	17	1603	1608	1610	S18	W38	10191	11	14.8	7	SF		3	E		19		
0201	HOLL	17	1609	1611	1613	N11	W70	10192	11	12.4	4	SF		3	E		15		
0202	HOLL	17	1635	1635	1639	S17	W39	10191	11	14.7	4	SF		3	E		18		
0203	HOLL	17	1720	1721	1724	S21	W37	10191	11	14.9	4	SF		3	E		24		
0204	HOLL	17	1729	1729	1734	N12	W70	10192	11	12.4	5	SF		3	E		15		
		17	1852		1933	No Flare Patrol													
0205	HOLL	17	2134	2136	2143	S16	E59	10198	11	22.4	9	SF		3	E		16		F
0206	HOLL	17	2143	2145	2205	N10	W73	10192	11	12.4	22	SF		3	E		21		F
0207	LEAR	18	0024	0025	0029	S20	W33	10191	11	15.5	5	SF		3	E		31		F
0208		18	02045	02064	0216	S16	E56	10198	11	22.3	12	1N					54	0.1	EFH
	LEAR	18	0204	0206	0222	S17	E56	10198	11	22.3	18	1F		3	E		101		FE
	MITK	18	0209	0210	0210	S16	E56	10198	11	22.3	1	SN			C	0210	7	0.1	H
0209	LEAR	18	0437	0440	0445	N13	W80	10192	11	12.1	8	SF		3	E		35		H
0210	LEAR	18	0707	0710	0715	N15	W75	10192	11	12.6	8	1F		3	E		112		H
		18	1021		1029	No Flare Patrol													

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0211		18	16151	16161	1624	N14	W80	10192	11	12.6	9	SF					26		
	RAMY	18	1615	1617	1626	N14	W80	10192	11	12.6	11	SF		3	E		41		
	HOLL	18	1616	1616	1621	N15	W79	10192	11	12.7	5	SF		3	E		10		
0212		18	16506	1657	1704	N15	W82	10192	11	12.5	14	SF					48		
	RAMY	18	1650	1650U	1705	N15	W82	10192	11	12.5	15	SF		3	E		52		
	HOLL	18	1656	1657	1702	N15	W81	10192	11	12.6	6	SF		3	E		44		
0213	LEAR	19	0207	0208	0211	N32	E43	10199	11	22.5	4	SF		3	E		11		
0214	LEAR	19	0216	0217	0220	N31	E41	10199	11	22.3	4	SF		3	E		23		F
0215	LEAR	19	0351	0351	0406	S21	E37	10198	11	22.0	15	SF		3	E		21		F
		19	1004		1009	No Flare Patrol													
		19	1116		1125	No Flare Patrol													
0216	RAMY	19	1344	1348U	1351	S20	W66	10191	11	14.5	7	SF		3	E		29		F
0217	RAMY	19	1438	1445U	1454D	S18	W64	10191	11	14.7	16D	SF		3	E		42		F
0218	RAMY	19	1528E	1528U	1532	S20	E32	10198	11	22.1	4D	SF		3	E		10		
0219		19	1950	1951*	1957	S19	E36	10198	11	22.6	7	SF					27		F
	HOLL	19	1950	1951	1957	S19	E36	10198	11	22.6	7	SF		3	E		27		F
	RAMY	19	1953E	2002	2016D	S19	E36	10198	11	22.6	23D	SF		3	E		27		F
0220	RAMY	19	2050E	2052	2101	S19	E30	10198	11	22.1	11D	SF		3	E		21		
		20	1009		1054	No Flare Patrol													
0221	RAMY	20	1110E	1122U	1141D	S19	E22	10198	11	22.1	31D	SF		3	E		30		F
0222	RAMY	20	1522E	1522U	1529	S16	E20	10198	11	22.1	7D	SF		3	E		16		F
0223		20	1718*	1806	1819	S19	E21	10198	11	22.3	61	SN					80		FH
	RAMY	20	1718	1809U	1827D	S19	E18	10198	11	22.1	69D	SF		3	E		82		FH
	HOLL	20	1800	1806	1819	S19	E24	10198	11	22.6	19	SN		3	E		77		FH
0224	HOLL	20	1927	1929	1934	S19	E21	10198	11	22.4	7	SF		3	E		42		F
		20	1955		2026	No Flare Patrol													
		20	2033		2104	No Flare Patrol													
0225	LEAR	20	2356	2356	2359	S19	E12	10198	11	21.9	3	SF		3	E		14		
0226	LEAR	21	0134	0134	0147	S17	E15	10198	11	22.2	13	SF		4	E		31		
0227	LEAR	21	0305	0310	0316	S17	E16	10198	11	22.3	11	SF		4	E		29		F
0228	LEAR	21	0639	0642U	0735D	S18	E13	10198	11	22.3	56D	SF		3	E		33		F
0229	LEAR	21	0809	0809	0821	S20	E11	10198	11	22.2	12	SF		3	E		19		FH
		21	0951		1041	No Flare Patrol													
0230		21	11022	11041	1112	S18	E12	10198	11	22.4	10	SF					44		F
	SVTO	21	1102	1105	1111	S19	E11	10198	11	22.3	9	SF		3	E		41		
	RAMY	21	1104	1104	1114	S17	E12	10198	11	22.4	10	SF		3	E		48		F
0231	RAMY	21	1252	1252	1256	S17	E06	10198	11	22.0	4	SF		3	E		27		
0232	HOLL	21	1644	1646	1655	S17	E10	10198	11	22.4	11	SF		3	E		33		
0233	HOLL	21	1902	1902	1907	S18	E08	10198	11	22.4	5	SF		3	E		12		
0234	HOLL	21	1953	1954	2004	S17	E08	10198	11	22.4	11	SF		3	E		30		F
0235	HOLL	21	2025	2033	2042	S15	E00	10198	11	21.8	17	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
0236	LEAR	22	0217	0217	0222	S15	W03	10198	11	21.9	5	SF		2	E		31		
		22	1006		1020	No Flare Patrol													
0237	RAMY	22	1157	1158	1204	S15	W09	10198	11	21.8	7	SF		3	E		24		F
		22	1326		1348	No Flare Patrol													
0238	HOLL	22	1540	1540	1546	S17	W07	10198	11	22.1	6	SF		3	E		14		F
0239	RAMY	22	2008	2027	2049D	S19	W12	10198	11	21.9	41D	2F		3	E		327		
		22	2128		2136	No Flare Patrol													
		22	2144		2203	No Flare Patrol													
0240		23	08391	08421	0845	S17	W14	10198	11	22.3	6	SF					89		F
	KANZ	23	0839	0843	0844	S17	W13	10198	11	22.4	5	SF		2	E				
	SVTO	23	0840	0842	0846	S17	W15	10198	11	22.2	6	SF		3	E		89		F
0241		23	10492	1051	1058	S18	W12	10198	11	22.5	9	SF					13		
	KANZ	23	1049	1051	1058	S18	W12	10198	11	22.5	9	SF		2	E				
	SVTO	23	1051	1051	1058	S17	W13	10198	11	22.5	7	SF		3	E		13		
0242	RAMY	23	1138E	1148U	1200D	S14	W18	10198	11	22.1	22D	SF		3	E		25		F
0243		23	13551	13557	1408	S19	W17	10198	11	22.3	13	SF					22		
	KANZ	23	1355	1355	1404D	S19	W16	10198	11	22.3	9D	SF		2	E				
	SVTO	23	1356	1402	1408	S19	W18	10198	11	22.2	12	SF		3	E		22		
0244	RAMY	23	1356	1414U	1432D	S16	W18	10198	11	22.2	36D	SF		3	E		66		FH
		23	2143		2152	No Flare Patrol													
0245	KANZ	24	1003	1004	1010	N27	W52	10197	11	20.4	7	SF		2	E				
		24	1025		1111	No Flare Patrol													
0246	RAMY	24	1127E	1127U	1145	N26	W42	10197	11	21.2	18D	SF		3	E		58		F
		24	1243		1252	No Flare Patrol													
0247	RAMY	24	1432E	1432U	1436	N14	E75	10202	11	30.3	4D	SF		3	E		16		H
0248	RAMY	24	1728E	1728U	1832	S19	W37	10198	11	21.9	64D	SF		3	E		46		F
0249	RAMY	24	2035E	2035U	2110D	S17	W37	10198	11	22.0	35D	SF		3	E		83		FU
		25	0955		1118	No Flare Patrol													
0250	RAMY	25	1536	1537	1541	N25	W68	10197	11	20.4	5	SF		3	E		29		
		26	1000		1128	No Flare Patrol													
0251	RAMY	26	1210	1211	1216	N25	W81	10197	11	20.2	6	SF		3	E		40		
0252		24	1625*	1625*	7113	S02	E04	10202	11	25.0	3288	SF					18		F
	RAMY	24	1625	1625	1630D	N13	E73	10202	11	30.2	5D	SF		3	E		13		
	LEAR	26	2305	2306	2313	S16	W65	10198	11	22.0	8	SF		3	E		24		F
		26	1839		2223	No Flare Patrol													
0253	LEAR	27	0243	0246	0307	S18	W66	10198	11	22.1	24	SF		3	E		41		F
0254	KANZ	27	1129	1131	1157D	N15	E45	10204	11	30.9	28D	SF		2	E				
0255	RAMY	27	1138	1144	1152	S19	E90	10207	12	4.3	14	SF		3	E		39		
0256	RAMY	27	1153	1205	1211	S19	E69	10207	12	2.8	18	SF		3	E		57		F

Hα SOLAR FLARES

NOVEMBER 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
0257	RAMY	27	1224	1226	1231	S19	E90	10207	12	4.4	7	SF		3	E		13		
0258	RAMY	27	1224	1229	1231	S17	W60	10198	11	22.9	7	SF		3	E		12		
0259	HOLL	27	1556	1606	1615	S17	E72	10207	12	3.1	19	SF		3	E		42		F
0260	RAMY	27	1609	1609	1612	S19	E90	10207	12	4.5	3	SF		3	E		26		
0261	RAMY	27	1620	1638	1702	S19	E89	10207	12	4.5	42	SF		3	E		68		F
0262	RAMY	27	1621	1643	1652	N15	E48	10202	12	1.3	31	SF		3	E		13		F
0263	RAMY	27	1637	1643	1653	S20	W72	10198	11	22.2	16	SF		3	E		86		F
0264	RAMY	27	1653	1720	1733	N14	E40	10202	11	30.7	40	SF		3	E		16		F
0265	RAMY	27	1700	1707	1734	S18	W63	10198	11	22.9	34	SF		3	E		23		
0266	RAMY	27	1720	1730	1742	S19	E86	10207	12	4.3	22	SF		3	E		47		
0267	HOLL	27	2127	2127	2130	S18	E71	10207	12	3.3	3	SF		3	E		12		F
0268	HOLL	27	2220	2224	2231	S19	W71	10198	11	22.5	11	SF		3	E		57		F
0269	HOLL	27	2258	2302	2316	S18	W72	10198	11	22.5	18	SF		3	E		34		FH
		27	2348		2400	No Flare Patrol													
		28	0000		0016	No Flare Patrol													
0270	LEAR	28	0106	0106	0113	S17	W71	10198	11	22.6	7	1F		3	E		105		
0271	LEAR	28	0258	0258	0301	S17	W72	10198	11	22.6	3	SF		3	E		22		
0272	KANZ	28	1050	1050	1056	N13	E21	10202	11	30.0	6	SF		2	E				
0273	RAMY	28	1134E	1134U	1217D	S20	W74	10198	11	22.8	43D	SF		3	E		55		FH
0274		28	13581	14026	1421	S20	E64	10207	12	3.5	23	SF					54		F
	RAMY	28	1358	1408	1428	S18	E64	10207	12	3.4	30	SF		3	E		65		F
	SVTO	28	1359	1402	1414	S23	E64	10207	12	3.5	15	SF		3	E		44		F
0275	HOLL	28	1525	1526	1529	S20	E67	10207	12	3.8	4	SF		3	E		33		
		28	1927		2040	No Flare Patrol													
0276	RAMY	28	2049E	2049U	2054D	S19	E60	10207	12	3.4	5D	SF		3	E		38		F
		28	2055		2203	No Flare Patrol													
0277	RAMY	29	1506	1507	1519	N19	E52	10207	12	3.6	13	SF		3	E		22		
0278	RAMY	29	1817	1819	1834	S20	E78	10209	12	5.7	17	SF		3	E		31		
		29	2122		2212	No Flare Patrol													
		30	1015		1106	No Flare Patrol													
0279	RAMY	30	1123	1124	1133	S19	E67	10209	12	5.6	10	SF		3	E		43		FH
		30	2039		2114	No Flare Patrol													
		30	2133		2141	No Flare Patrol													
		30	2146		2158	No Flare Patrol													