Hα SOLAR FLARES

NOVEMBER 1999

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Imp Xray	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0001	LEAR	01	0022	0035	0048	N09	E12	8747	11	1.9	26	SF		4	E		27		
0002	LEAR	01	0133	0142	0221	S19	E15	8749	11	2.2	48	SF		3	E		85		
0003	LEAR	01	0443	0451	0511	S18	E14	8749	11	2.3	28	SF		3	E		65		
0004	LEAR	01	0649	0653	0707	S19	E13	8749	11	2.3	18	SF		3	E		68		
0005	RAMY	01	1144	1145	1200	S18	E09	8749	11	2.2	16	SF		3	E		62		F
0006	SVTO	01	1307E	1307U	1322D	N09	E05	8747	11	1.9	15D	SF		3	E		10		
		01	1316		1338	No Flare Patrol													
0007	HOLL	01	1413	1416	1440	S20	E10	8749	11	2.3	27	SF		3	E		31		
0008	HOLL	01	1517	1522	1528	S19	E10	8749	11	2.4	11	SF		3	E		22		
0009	RAMY	01	1854	1856	1901	S24	W71	8741	10	27.4	7	SF		3	E		14		
0010		01	19283	19331	1940	S24	W68	8741	10	27.6	12	SF					16		
	RAMY	01	1928	1933	1940	S24	W71	8741	10	27.4	12	SF		3	E		18		
	HOLL	01	1931	1934	1939	S24	W64	8741	10	28.0	8	SF		3	E		14		
0011	HOLL	01	2039	2040	2045	S23	W67	8741	10	27.8	6	SF		3	E		14		
0012		01	2116	2118	2123	S24	W70	8741	10	27.6	7	SF					30		
	RAMY	01	2116E	2117U	2123D	S23	W70	8741	10	27.6	7D	SF		2	E		28		
	HOLL	01	2116	2118	2123	S24	W69	8741	10	27.6	7	SF		3	E		32		
0013	HOLL	01	2234	2235	2241	S24	W71	8741	10	27.5	7	SF		3	E		27		
0014	HOLL	01	2310	2311	2316	S24	W70	8741	10	27.6	6	SF		3	E		17		
		01	2343		2400	No Flare Patrol													
		02	0000		0018	No Flare Patrol													
		02	0130		0145	No Flare Patrol													
		02	0153		0238	No Flare Patrol													
		02	0458		0614	No Flare Patrol													
0015		02	09425	09484	0958	S19	W03	8749	11	2.2	16	SF					51		
	LEAR	02	0942	0952	1002	S19	W03	8749	11	2.2	20	SF		2	E		54		
	SVTO	02	0947	0948	0955	S19	W03	8749	11	2.2	8	SF		3	E		48		
0016		02	1246	1250	1255	S20	W02	8749	11	2.4	9	SF					32		
	RAMY	02	1246	1250	1255	S19	W04	8749	11	2.2	9	SF		3	E		32		
	SVTO	02	1246	1250	1255	S22	E01	8749	11	2.6	9	SF		3	E		33		
		03	0153		0518	No Flare Patrol													
0017	LEAR	03	0830	0833	0843	N09	W16	8747	11	2.1	13	SF		3	E		30		F
		03	1017		1051	No Flare Patrol													
0018	RAMY	03	1214	1214	1220	N10	W17	8747	11	2.2	6	SF		3	E		12		
		03	1716		1742	No Flare Patrol													
0019	HOLL	03	1925	1926	1930	S14	W29	8749	11	1.6	5	SF		3	E		39		
0020	LEAR	03	2247	2248	2309	S19	W23	8749	11	2.2	22	1F		4	E		122		
0021	LEAR	04	0054	0103	0114	S19	W22	8749	11	2.3	20	SF		3	E		29		
0022	LEAR	04	0131	0143	0157	S19	W25	8749	11	2.1	26	SF		3	E		46		
0023	LEAR	04	0236	0300U	0300D	S19	W25	8749	11	2.2	24D	1F		3	E		132		
		04	0327		0349	No Flare Patrol													

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0024	LEAR	04	0423	0502	0533	S19	W26	8749	11	2.2	70	1N		3	E		181		
0025	LEAR	04	0434	0435	0440	N11	W26	8747	11	2.2	6	SF		3	E		24		F
0026	LEAR	04	0540	0540	0555	S19	W25	8749	11	2.3	15	SF		3	E		30		
		04	1015		1038	No Flare Patrol													
		04	1102		1114	No Flare Patrol													
		04	1949		2013	No Flare Patrol													
0027	HOLL	04	2123	2123	2128	S12	W48	8745	11	1.3	5	SF		3	E		13		
0028		04	22454	22531	2356	S18	W36	8749	11	2.2	71	SF					80		F
	HOLL	04	2245	2253	2359D	S18	W36	8749	11	2.2	74D	SF		3	E		91		
	LEAR	04	2249	2254	2356	S18	W36	8749	11	2.2	67	SF		3	E		70		F
		05	0959		1048	No Flare Patrol													
		05	1131		1140	No Flare Patrol													
0029	RAMY	05	1142	1144	1205	N09	W41	8747	11	2.4	23	SF		3	E		10		
		05	1155		1203	No Flare Patrol													
		05	1318		1337	No Flare Patrol													
0030		05	17151	17161	1811	S20	W46	8749	11	2.2	56	1N					108		F
	HOLL	05	1715	1716	1811	S19	W45	8749	11	2.3	56	1F		3	E		118		
	RAMY	05	1716	1717	1811	S20	W47	8749	11	2.1	55	SN		3	E		98		F
		05	1830		1840	No Flare Patrol													
		05	1902		1905	No Flare Patrol													
0031	HOLL	05	1905	1907	1910	S16	W61	8745	11	1.2	5	SF		3	E		15		
0032		05	19132	19183	2007	S14	W62	8745	11	1.1	54	SF					68		F
	HOLL	05	1913	1918	2007	S13	W64	8745	11	1.0	54	SF		3	E		71		
	RAMY	05	1915	1921	2007D	S14	W61	8745	11	1.2	52D	SF		3	E		64		F
0033	HOLL	05	2116	2118	2125	S24	W50	8749	11	2.0	9	SF		3	E		41		
0034	LEAR	06	0329	0331	0339	S17	W66	8745	11	1.1	10	SF		3	E		19		
0035	KHAR	06	0950E	0952U	1006U	N23	E36	8753	11	9.2	16U	SF		2	V				EH
		06	1000		1112	No Flare Patrol													
0036	KHAR	06	1037		1050D	N06	W56	8747	11	2.2	13D	SF		2	V				D
		06	1124		1149	No Flare Patrol													
		06	1214		1232	No Flare Patrol													
		06	1255		1342	No Flare Patrol													
0037	HOLL	06	2031	2038	2047	S22	W55	8749	11	2.6	16	SF		3	E		41		
		06	2210		2223	No Flare Patrol													
		06	2240		2241	No Flare Patrol													
0038	HOLL	06	2247	2302	2302D	N10	E66	8759	11	11.9	15D	1F		3	E		145		
0039	LEAR	06	2300	2301	2307	N09	E82	8759	11	13.1	7	SF		3	E		79		
0040	LEAR	07	0114	0136	0222	N38	W06	8757	11	6.6	68	SF		4	E		69		E
0041	LEAR	07	0254	0258	0311	N38	W05	8757	11	6.7	17	SF		4	E		18		
0042	LEAR	07	0312	0317	0348	N38	W05	8757	11	6.7	36	SF		3	E		30		
0043	LEAR	07	0338	0357	0402	S17	W65	8749	11	2.2	24	SF		3	E		16		
0044	LEAR	07	0425	0437	0502	N37	W06	8757	11	6.7	37	SF		4	E		28		

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0045	LEAR	07	0433	0437	0456	S18	W66	8749	11	2.2	23	SF		4	E		50		
		07	1021		1100	No Flare Patrol													
0046	RAMY	07	1105E	1107U	1137	N16	E53	8758	11	11.5	32D	SF		2	E		40		
		07	1829		1830	No Flare Patrol													
		07	1847		2005	No Flare Patrol													
		07	2016		2048	No Flare Patrol													
		07	2056		2106	No Flare Patrol													
		07	2137		2200	No Flare Patrol													
0047	LEAR	07	2302	2302	2313	N19	E64	8758	11	12.8	11	SF		3	E		30		
0048	LEAR	07	2343	2353	2407	N20	E18	8753	11	9.4	24	SF		3	E		42		E
		08	0000		0232	No Flare Patrol													
0049	LEAR	08	0003	0006	0011	N38	W18	8757	11	6.5	8	SF		3	E		24		
0050	LEAR	08	0036	0040	0045	N17	E50	8758	11	11.8	9	SF		3	E		20		
0051	LEAR	08	0101	0102	0106	N14	E73	8759	11	13.5	5	SF		3	E		13		
0052	LEAR	08	0114	0136	0222	N38	W06	8757	11	7.6	68	SF		4	E		69		E
0053	LEAR	08	0123	0124	0127	N19	E64	8758	11	12.9	4	SF		3	E		13		
0054	LEAR	08	0128	0132	0136	S17	W78	8749	11	2.1	8	SF		3	E		20		
0055	LEAR	08	0150	0155	0200	N18	E64	8758	11	12.9	10	SF		3	E		15		
0056	LEAR	08	0209	0209	0213	N37	W20	8757	11	6.5	4	SF		3	E		15		
0057	LEAR	08	0209	0209	0213	N11	E59	8759	11	12.5	4	SF		3	E		17		
0058	LEAR	08	0258	0302	0306	N20	E16	8753	11	9.3	8	SF		3	E		15		
0059	LEAR	08	0335	0338	0345	N20	E14	8753	11	9.2	10	SF		4	E		28		E
0060	LEAR	08	0433	0437	0456	S18	W66	8749	11	3.2	23	SF		4	E		50		
0061	LEAR	08	0440	0454	0505	N13	E32	8760	11	10.6	25	SF		4	E		16		
0062	LEAR	08	0514	0518	0532	N13	E32	8760	11	10.6	18	SF		4	E		26		
		08	0551		1047	No Flare Patrol													
0063	LEAR	08	0557	0558	0614	S18	W82	8749	11	2.0	17	SF		4	E		47		
0064	LEAR	08	0643	0646	0652	N09	E65	8759	11	13.1	9	SF		4	E		30		
0065	LEAR	08	0648	0652	0806	N12	E31	8760	11	10.6	78	SF		4	E		52		
0066	LEAR	08	0857	0900	0907	N13	E31	8760	11	10.7	10	SF		3	E		29		
		08	1054		1101	No Flare Patrol													
0067	RAMY	08	1116E	1117U	1139D	N12	E28	8760	11	10.6	23D	SN		3	E		62		F
0068	RAMY	08	1256	1309	1346	N07	E54	8759	11	12.6	50	SF		3	E		59		
0069		08	1609	1614	1644	N12	E24	8760	11	10.5	35	SF					38		F
	RAMY	08	1608E	1612U	1642	N11	E25	8760	11	10.5	34D	SF		3	E		45		
	HOLL	08	1609	1614	1646	N12	E24	8760	11	10.5	37	SF		3	E		32		F
0070	HOLL	08	1838	1852	1923	N12	E65	8759	11	13.7	45	SF		3	E		35		F
0071	HOLL	08	1957	1957	2001	N21	E45	8758	11	12.3	4	SF		3	E		21		

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		08	2056		2118	No Flare Patrol													
0072	HOLL	08	2240	2241	2244	N10	E49	8759	11	12.6	4	SF		3	E		12		
0073		08	2329	2337	2345	N10	E56	8759	11	13.2	16	SF					16		
	LEAR	08	2329	2337	2344	N09	E55	8759	11	13.1	15	SF		3	E		12		
	HOLL	08	2336E	2336U	2346	N10	E56	8759	11	13.2	10D	SF		2	E		19		
0074	LEAR	09	0122	0149U	0202D	N14	E24	8760	11	10.9	40D	SF		3	E		21		
0075	LEAR	09	0158	0159	0219	N20	E39	8758	11	12.1	21	SF		3	E		71		
0076	LEAR	09	0203	0206	0216	N12	E20	8760	11	10.6	13	SF		3	E		12		
0077	LEAR	09	0217	0218	0228	N12	E20	8760	11	10.6	11	SF		3	E		23		
0078		09	03242	03273	0343	N16	E39	8758	11	12.1	19	1N					166	2.4	D
	LEAR	09	0324	0327	0400	N17	E36	8758	11	11.9	36	1N		3	E		157		
	MITK	09	0325	0327	0331	N11	E41	8758	11	12.2	6	1N			C	0327	148	2.1	
	URUM	09	0326	0330	0338	N20	E40	8758	11	12.2	12	1N			C		193	2.7	D
0079	LEAR	09	0413	0606	0935	N12	E18	8760	11	10.5	322	2B		3	E		271		FT
0080	LEAR	09	0512	0602	0634	N09	E52	8759	11	13.1	82	SF		4	E		61		
0081	LEAR	09	0858	0859	0906	N23	W54	8751	11	5.2	8	SF		4	E		28		E
0082		09	09371	09402	0947	N16	E18	8760	11	10.8	10	SF					45		EF
	LEAR	09	0937	0942	1015D	N16	E18	8760	11	10.8	38D	SF		3	E		45		F
	KHAR	09	0938	0940	0947	N17	E17	8760	11	10.7	9	SF		2	V				E
		09	1021		1046	No Flare Patrol													
0083	RAMY	09	1332	1337	1355	N06	E44	8759	11	12.8	23	SF		3	E		78		
0084	HOLL	09	1446	1447	1500	N14	E14	8760	11	10.7	14	SF		3	E		22		
0085		09	1552	16211	1641	N12	E12	8760	11	10.6	49	SF					68		
	RAMY	09	1552	1621	1632	N11	E11	8760	11	10.5	40	SF		3	E		79		
	HOLL	09	1555E	1622	1650	N12	E12	8760	11	10.6	55D	SF		3	E		56		
0086	HOLL	09	1719	1720	1723	N14	E13	8760	11	10.7	4	SF		3	E		25		
0087	HOLL	09	1739	1749	1814	N14	E12	8760	11	10.6	35	SF		3	E		69		
0088	HOLL	09	1926	1927	1929	N12	E11	8760	11	10.6	3	SF		3	E		35		
0089	HOLL	09	1946	2007	2042	N10	E53	8759	11	13.8	56	1F		3	E		187		
0090		10	0143	0144	0150	N16	E08	8760	11	10.7	7	SN					75	0.6	D
	MITK	10	0143	0144	0145	N17	E08	8760	11	10.7	2	SN			C	0144	53	0.6	D
	LEAR	10	0143	0144	0154	N16	E09	8760	11	10.7	11	SN		3	E		97		
0091	LEAR	10	0208	0209	0212	N12	E07	8760	11	10.6	4	SF		4	E		18		
0092	LEAR	10	0223	0224	0227	N12	E07	8760	11	10.6	4	SF		3	E		19		
0093	LEAR	10	0246	0252	0317	N19	E37	8761	11	12.9	31	SF		4	E		49		
0094	LEAR	10	0249	0249	0253	N12	E07	8760	11	10.6	4	SF		4	E		25		
0095	LEAR	10	0250	0252	0305	N17	E23	8758	11	11.9	15	SF		4	E		17		
0096	LEAR	10	0331	0332	0350	N12	E06	8760	11	10.6	19	SF		3	E		67		
0097	LEAR	10	0345	0348	0400	N17	E22	8758	11	11.8	15	SF		4	E		28		
0098	LEAR	10	0538	0547	0605	N16	E06	8760	11	10.7	27	SF		4	E		39		

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0099	LEAR	10	0602	0605	0620	N06	E36	8759	11	12.9	18	SF		3	E		64		F
0100	LEAR	10	0605	0712	0840	N12	E04	8760	11	10.5	155	1N		3	E		146		
0101	LEAR	10	0659	0714	0818	N21	W15	8753	11	9.1	79	SF		3	E		68		F
0102	LEAR	10	0741	0751	0813	S18	E81	8763	11	16.5	32	1F		3	E		166		E
0103	LEAR	10	0914	0921	0942	N12	E03	8760	11	10.6	28	SF		3	E		45		
		10	1022		1258	No Flare Patrol													
		10	1304		1344	No Flare Patrol													
0104	HOLL	10	1439	1441	1455	S16	E73	8763	11	16.1	16	SF		3	E		26		
0105	HOLL	10	1524	1525	1527	N21	W18	8753	11	9.3	3	SF		3	E		12		
0106	HOLL	10	1544	1549	1558	N17	W21	8753	11	9.0	14	SF		3	E		99		
0107	HOLL	10	1604	1610	1627	N21	W22	8753	11	9.0	23	SF		3	E		69		
0108	HOLL	10	1633	1634	1647	S16	E79	8763	11	16.7	14	1F		3	E		119		
0109	HOLL	10	1708	1712	1720	S18	E74	8763	11	16.3	12	SF		3	E		21		
0110	HOLL	10	1728	1732	1737	S13	E75	8763	11	16.4	9	SF		3	E		38		
0111	HOLL	10	1814	1816	1827	N12	W05	8760	11	10.4	13	SF		3	E		15		
0112	HOLL	10	1937	2005	2025	N10	E35	8759	11	13.4	48	SF		3	E		68		
0113	HOLL	10	1947	1951	2019	N19	E26	8761	11	12.8	32	SF		3	E		93		
0114	HOLL	10	2010	2018	2029	S15	E73	8763	11	16.4	19	SF		3	E		45		
0115	HOLL	10	2135	2136	2140	S16	E71	8763	11	16.3	5	SF		3	E		29		
0116	HOLL	10	2138	2138	2140	N10	E33	8759	11	13.4	2	SF		3	E		13		
0117		10	2211	22123	2220	N18	W25	8753	11	9.0	9	1N					142		E
	HOLL	10	2211	2212	2220	N17	W25	8753	11	9.0	9	1N		3	E		143		
	LEAR	10	2214E	2215	2222D	N20	W25	8753	11	9.0	8D	1F		2	E		140		E
0118	HOLL	10	2244	2308	2321	N09	E33	8759	11	13.4	37	SF		3	E		22		
0119	LEAR	11	0118	0153	0214	N09	E32	8759	11	13.4	56	SF		3	E		44		
0120		11	01262	0129	0136	N18	W27	8753	11	9.0	10	SN					62	0.6	DE
	LEAR	11	0126	0129	0142	N18	W27	8753	11	9.0	16	SN		3	E		71		E
	MITK	11	0128	0129	0130	N17	W27	8753	11	9.0	2	SN			C	0129	53	0.6	D
0121	LEAR	11	0157	0201	0221	N37	W56	8757	11	6.6	24	SN		3	E		94		E
0122	LEAR	11	0248	0249	0327	N09	E27	8759	11	13.1	39	SF		3	E		31		
0123	LEAR	11	0300	0303	0338	S18	E69	8763	11	16.4	38	SF		3	E		61		
0124	LEAR	11	0427E	0445U	0448D	N09	E26	8759	11	13.1	21D	SF		2	E		12		
0125	LEAR	11	0444E	0458U	0507D	N20	W24	8753	11	9.4	23D	SF		3	E		36		
0126	LEAR	11	0456E	0457U	0521	S17	E69	8763	11	16.4	25D	1F		3	E		107		F
0127	LEAR	11	0510	0519	0522	N20	W24	8753	11	9.4	12	SF		3	E		15		
0128	LEAR	11	0512	0515	0518	N09	E26	8759	11	13.2	6	SF		3	E		15		
0129	LEAR	11	0548	0550	0557	N20	E21	8761	11	12.8	9	SF		3	E		21		

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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)	Corr (Sq Deg)	Remarks
0130	LEAR	11	0548	0549	0553	N20	W24	8753	11	9.4	5	SF		3	E		15		
		11	0606		1345	No Flare Patrol													
0131	HOLL	11	1441	1443	1512	N09	E19	8759	11	13.0	31	1N		3	E		139		
0132	HOLL	11	1500	1501	1508	S14	E62	8763	11	16.3	8	SF		3	E		18		
0133	HOLL	11	1503	1505	1531	N14	W14	8760	11	10.6	28	SF		3	E		72		
0134	HOLL	11	1719	1722	1735	N12	W15	8760	11	10.6	16	SF		3	E		11		
0135	HOLL	11	1755	1756	1801	N14	W17	8760	11	10.5	6	SF		3	E		19		
0136	HOLL	11	1758	1802	1820	S15	E63	8763	11	16.5	22	SF		3	E		20		
0137	HOLL	11	1945	1953	2007	N20	W38	8753	11	8.9	22	SF		3	E		28		
0138	HOLL	11	1958	1959	2029	N08	E18	8759	11	13.2	31	SF		3	E		78		
0139	HOLL	11	2053	2055	2057	S15	E61	8763	11	16.5	4	SF		3	E		17		
0140	HOLL	11	2115	2116	2119	N10	E23	8759	11	13.6	4	SF		3	E		35		
0141	HOLL	11	2144	2145	2149	S15	E61	8763	11	16.5	5	SF		3	E		96		
0142	HOLL	11	2152	2152	2156	N14	E21	8759	11	13.5	4	SF		3	E		22		
0143	HOLL	11	2247	2248	2258	N15	W20	8760	11	10.4	11	SF		3	E		29		
0144	HOLL	11	2253	2256	2301	S15	E60	8763	11	16.5	8	SF		3	E		69		
		11	2355		2400	No Flare Patrol													
		12	0000		0010	No Flare Patrol													
0145	LEAR	12	0004E	0015U	0026	S18	E59	8763	11	16.5	22D	SF		2	E		59		
		12	0030		0106	No Flare Patrol													
		12	0113		0402	No Flare Patrol													
0146	LEAR	12	0350E	0350U	0408D	S14	E55	8763	11	16.3	18D	SF		2	E		73		
0147	LEAR	12	0416	0450	0518	N18	W35	8753	11	9.5	62	SF		3	E		40		F
0148	LEAR	12	0441	0442	0458	N18	W30	8764	11	9.9	17	SF		3	E		16		
0149	LEAR	12	0450	0453	0457	N09	E12	8759	11	13.1	7	SF		3	E		20		
0150	LEAR	12	0515	0519	0524	S11	E67	8765	11	17.2	9	SF		3	E		19		
0151	LEAR	12	0526	0527	0531	N09	E12	8759	11	13.1	5	SF		3	E		13		
0152	LEAR	12	0532	0538	0551	N09	E12	8759	11	13.1	19	SF		3	E		19		
0153	LEAR	12	0555	0555	0602	N09	E12	8759	11	13.1	7	SF		3	E		12		
0154	LEAR	12	0536	0536	0550	N12	W21	8760	11	10.6	14	SF		3	E		27		
0155	LEAR	12	0557	0559	0617	N12	W22	8760	11	10.6	20	SF		3	E		41		
0156	LEAR	12	0621	0622	0640	N12	W22	8760	11	10.6	19	SF		3	E		23		
0157	LEAR	12	0636	0636	0640	S11	E66	8765	11	17.2	4	SF		3	E		15		
		12	0716		1104	No Flare Patrol													
		12	1128		1137	No Flare Patrol													
0158	RAMY	12	1152	1154	1200D	N10	E17	8759	11	13.8	8D	SF		3	E		23		
		12	1201		1237	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	See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Corr (Sq Deg)	Remarks
0159	RAMY	12	1238E	1238	1244	N08	E06	8759	11	13.0	6D	SF		3	E		30		
		12	1247		1335	No Flare Patrol													
		12	1343		1347	No Flare Patrol													
0160	HOLL	12	1424	1427	1438	N07	E12	8759	11	13.5	14	SF		3	E		22		
0161	HOLL	12	1427	1441	1507	S15	E53	8763	11	16.6	40	SF		3	E		96		
0162	RAMY	12	1429E	1430U	1439D	N15	E51	8763	11	16.5	10D	SF		2	E		36		
0163	HOLL	12	1440	1441	1450	N13	W27	8760	11	10.6	10	SF		3	E		49		
0164	HOLL	12	1617	1726	1820	S17	E48	8763	11	16.3	123	1F		3	E		171		F
0165	HOLL	12	1826	1828	1838	S14	E52	8763	11	16.7	12	SF		3	E		54		
0166	HOLL	12	1843	1843	1847	S15	E50	8763	11	16.6	4	SF		3	E		10		
0167	HOLL	12	1827	1827	1848	N11	E16	8759	11	14.0	21	SF		3	E		15		
0168	HOLL	12	1849	1849	1903	N12	E12	8759	11	13.7	14	SF		3	E		27		
0169	HOLL	12	2340	2341	2352	N07	E00	8759	11	13.0	12	SF		2	E		15		F
		12	2355		2400	No Flare Patrol													
		13	0000		0010	No Flare Patrol													
0170	LEAR	13	0200E	0219U	0300D	S09	E52	8765	11	17.0	60D	SF		2	E		80		F
0171	LEAR	13	0200E	0219U	0300D	S15	E44	8763	11	16.4	60D	1F		2	E		148		E
0172	URUM	13	0304	0311	0315D	S15	E43	8763	11	16.4	11D	1F			P		225	3.4	E
0173	LEAR	13	0336E	0357U	0404D	S09	E51	8765	11	17.0	28D	SF		2	E		31		
0174	LEAR	13	0417E	0419U	0423D	S15	E43	8763	11	16.4	6D	SF		2	E		20		
0175	LEAR	13	0424E	0424U	0429D	N20	W55	8753	11	9.0	5D	SF		2	E		16		
0176	LEAR	13	0438	0442	0449	S15	E42	8763	11	16.4	11	SF		3	E		52		
0177	LEAR	13	0534E	0535U	0542D	S15	E42	8763	11	16.4	8D	SF		2	E		36		E
		13	0719		0745	No Flare Patrol													
0178	LEAR	13	0806E	0808U	0839D	S15	E40	8763	11	16.4	33D	SF		2	E		73		
		13	0824		0832	No Flare Patrol													
		13	1024		1210	No Flare Patrol													
0179	RAMY	13	1235E	1235U	1246	N16	W48	8764	11	9.9	11D	SF		2	E		16		
0180	RAMY	13	1235E	1235U	1247D	N18	W57	8753	11	9.2	12D	SF		2	E		31		F
		13	1248		1256	No Flare Patrol													
0181	RAMY	13	1257E	1258U	1320	S18	E37	8763	11	16.3	23D	SF		2	E		18		
		13	1334		1345	No Flare Patrol													
0182	HOLL	13	1404E	1406U	1445	N12	E03	8759	11	13.8	41D	SF		2	E		51		
0183	HOLL	13	1517	1518	1535	N14	E00	8759	11	13.6	18	SF		3	E		26		
0184	HOLL	13	1544	1544	1550	S16	E39	8763	11	16.6	6	SF		3	E		40		
0185	HOLL	13	1551	1628	1725D	S16	E39	8763	11	16.6	94D	1F		3	E		196		

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0186	HOLL	13	1559	1601	1610	N11	E02	8759	11	13.8	11	SF		3	E		37		F
0187	HOLL	13	1614	1630	1645	S12	E51	8765	11	17.5	31	SF		3	E		35		
		13	1719		1724	No Flare Patrol													
0188		13	1725	1726	1740	S12	E47	8765	11	17.3	15	SF					40		
	HOLL	13	1725	1726	1744D	S12	E47	8765	11	17.3	19D	SF		3	E		51		
	RAMY	13	1727E	1727U	1740	S11	E47	8765	11	17.3	13D	SF		3	E		28		
0189	HOLL	13	1745	1746	1751	N15	W03	8759	11	13.5	6	SF		3	E		48		
0190	HOLL	13	1916	1916	1922	S13	E47	8765	11	17.3	6	SF		3	E		40		
0191	HOLL	13	1924	1925	1929	S13	E47	8765	11	17.3	5	SF		3	E		30		
0192		13	1924	1925	1936	N10	W02	8759	11	13.6	12	SF					66		F
	HOLL	13	1924	1925	1933	N10	W03	8759	11	13.6	9	SF		3	E		94		F
	RAMY	13	1924	1925	1938	N09	W01	8759	11	13.7	14	SF		3	E		37		
0193	HOLL	13	2101	2102	2104	S12	E45	8765	11	17.3	3	SF		3	E		27		
0194	LEAR	13	2328	2341	2412	S09	E40	8765	11	17.0	44	SN		3	E		60		F
0195	LEAR	13	2356		2521	S15	E32	8763	11	16.4	85	SF		3	E		25		F
0196	LEAR	13	2359		2403	N09	W12	8759	11	13.1	4	SF		3	E		14		
0197	LEAR	14	0015	0026	0030	S09	E40	8765	11	17.0	15	SF		3	E		18		
0198	LEAR	14	0037	0048	0104	S09	E40	8765	11	17.0	27	SF		3	E		46		
0199	LEAR	14	0111	0111	0114	S09	E40	8765	11	17.0	3	SF		3	E		16		
0200	LEAR	14	0122	0126	0137	S15	E31	8763	11	16.4	15	SF		3	E		29		
0201	LEAR	14	0142	0142	0149	N17	E65	8766	11	19.0	7	SF		3	E		13		
0202	LEAR	14	0156	0156	0200	N17	E65	8766	11	19.0	4	SF		3	E		12		
0203	LEAR	14	0142	0144	0207	S15	E31	8763	11	16.4	25	SF		3	E		32		
0204	LEAR	14	0147	0147	0155	S09	E39	8765	11	17.0	8	SF		3	E		21		
0205	LEAR	14	0212	0215	0217	S09	E39	8765	11	17.0	5	SF		3	E		14		
0206	LEAR	14	0256	0256	0300	S10	E44	8765	11	17.4	4	SF		3	E		13		F
0207	LEAR	14	0348	0352	0414	S10	E43	8765	11	17.4	26	SF		3	E		51		F
0208	LEAR	14	0435	0438	0522	N10	W09	8759	11	13.5	47	1F		3	E		156		E
0209	LEAR	14	0436	0438	0444	N17	E64	8766	11	19.0	8	SF		3	E		21		
0210	URUM	14	0446	0450	0452	N10	W28	8767B	11	12.1	6	1N			C		241	2.8	E
0211	LEAR	14	0449	0500	0505	N17	E63	8766	11	19.0	16	SF		3	E		26		
0212	LEAR	14	0528	0534	0543	S09	E37	8765	11	17.0	15	SF		3	E		20		
0213	LEAR	14	0532	0537	0543	N17	E63	8766	11	19.0	11	SF		3	E		21		
0214	LEAR	14	0610	0618	0644	S09	E37	8765	11	17.0	34	SF		3	E		89		
0215	LEAR	14	0627	0642	0706	N17	E62	8766	11	19.0	39	SF		3	E		52		
0216	LEAR	14	0714	0715	0717	N17	E62	8766	11	19.0	3	SF		3	E		40		
0217	LEAR	14	0720	0721	0723	N17	E62	8766	11	19.0	3	SF		3	E		44		

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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
0218	LEAR	14	0647	0650	0658	S09	E37	8765	11	17.0	11	SF		3	E		32		
0219	LEAR	14	0720	0720	0723	S09	E36	8765	11	17.0	3	SF		3	E		19		
0220	URUM	14	0830E	0830	0902	S15	E29	8763	11	16.5	32D	1N			P		289	3.6	E
		14	1022		1132	No Flare Patrol													
		14	1210		1350	No Flare Patrol													
0221	HOLL	14	1400E	1401U	1526	N18	E61	8766	11	19.2	86D	SF		2	E		86		
0222	HOLL	14	1400E	1402U	1519	S12	E38	8765	11	17.4	79D	SF		2	E		93		
0223	HOLL	14	1403E	1404U	1446	N09	W15	8759	11	13.4	43D	SF		2	E		21		F
0224	HOLL	14	1526	1528	1538	S12	E38	8765	11	17.5	12	SF		3	E		17		
0225		14	1536	16034	1803	N18	E62	8766	11	19.4	147	2B					256		
	HOLL	14	1536	1607	1803	N18	E63	8766	11	19.4	147	2N		3	E		319		
	RAMY	14	1554E	1603	1725D	N18	E60	8766	11	19.2	91D	1B		3	E		194		
0226	HOLL	14	1538	1810	1854	S11	E36	8765	11	17.3	196	1N		3	E		178		
0227	RAMY	14	1603	1604	1620	S13	E36	8765	11	17.4	17	SF		3	E		13		
0228	RAMY	14	1621	1623	1743D	S11	E36	8765	11	17.4	82D	SN		3	E		77		H
0229	HOLL	14	1714	1728	1840	N10	W13	8759	11	13.7	86	SF		3	E		39		
0230	HOLL	14	1750	1752	1800	S16	E18	8763	11	16.1	10	SF		3	E		37		
0231	HOLL	14	1819	1821	1824	N18	E60	8766	11	19.3	5	SF		3	E		17		
0232	HOLL	14	1851	1853	1857	N17	E55	8766	11	19.0	6	SF		3	E		19		
0233	HOLL	14	1910	1917	1926	S11	E36	8765	11	17.5	16	SF		3	E		28		
0234	HOLL	14	1944	1945	1948	S11	E36	8765	11	17.5	4	SF		3	E		21		
0235	HOLL	14	1949	1952	2028	S11	E36	8765	11	17.5	39	SF		3	E		56		
0236	HOLL	14	2045	2046	2053	S12	E36	8765	11	17.6	8	SF		3	E		10		F
0237	HOLL	14	2114	2116	2129	S12	E31	8765	11	17.2	15	SF		3	E		31		
0238	HOLL	14	2242	2246	2248	S12	E32	8765	11	17.3	6	SF		3	E		10		
0239		14	22403	22444	2358	S17	E18	8763	11	16.3	78	1F					120		F
	HOLL	14	2240	2248	2352D	S19	E18	8763	11	16.3	72D	1F		3	E		146		
	LEAR	14	2243	2244	2358	S15	E19	8763	11	16.4	75	SF		4	E		95		F
0240	LEAR	14	2246	2436	2559	S09	E27	8765	11	17.0	193	SF		3	E		83		T
0241		14	23131	23144	2320	N16	E54	8766	11	19.1	7	SF					27		
	HOLL	14	2313	2318	2320	N14	E56	8766	11	19.2	7	SF		3	E		19		
	LEAR	14	2314	2314	2320	N17	E53	8766	11	19.0	6	SF		3	E		35		
0242		14	23261	23278	2344	N17	E53	8766	11	19.0	18	SF					20		
	HOLL	14	2326	2327	2352D	N17	E53	8766	11	19.0	26D	SF		2	E		16		
	LEAR	14	2327	2335	2344	N17	E53	8766	11	19.0	17	SF		4	E		25		
0243	HOLL	14	2321	2325	2352D	S09	E28	8765	11	17.1	31D	SF		3	E		13		
0244	LEAR	15	0007E	0007	0032	N17	E53	8766	11	19.0	25D	SF		4	E		55		
0245	LEAR	15	0046	0051	0101	N09	W25	8759	11	13.1	15	SF		4	E		19		
0246	LEAR	15	0116	0127	0143	N17	E52	8766	11	19.0	27	SF		4	E		60		

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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
0247	LEAR	15	0147	0147	0155	N09	W26	8759	11	13.1	8	SF		3	E		33		
0248	LEAR	15	0218	0219	0223	S09	E26	8765	11	17.0	5	SF		3	E		45		
0249	LEAR	15	0219	0222	0223	N17	E52	8766	11	19.0	4	SF		3	E		32		
0250	LEAR	15	0238	0240	0252	N17	E51	8766	11	19.0	14	SF		3	E		23		
0251	LEAR	15	0241	0301	0334	S09	E25	8765	11	17.0	53	SF		4	E		69		
0252	URUM	15	0405	0413	0424	S11	E29	8765	11	17.3	19	SN			C		129	1.6	D
0253	LEAR	15	0436	0447	0526	N18	E57	8766	11	19.5	50	SF		2	E		56		F
0254	URUM	15	0455	0502	0506	N10	W19	8759	11	13.8	11	SN			C		48	0.5	D
0255	LEAR	15	0613	0615	0628	S16	E17	8763	11	16.5	15	SN		2	E		76		F
0256	LEAR	15	0651	0654	0706	S12	E29	8765	11	17.5	15	SF		2	E		14		
0257	LEAR	15	0721	0721	0737	S14	E23	8765	11	17.0	16	SF		2	E		80		F
0258		15	08165	08343	0903	S14	E27	8765	11	17.4	47	2B					360	5.0	EF
	LEAR	15	0816	0834	1014D	S13	E29	8765	11	17.5	118D	2N		2	E		302		F
	URUM	15	0821	0837	0903	S14	E25	8765	11	17.2	42	1B			C		418	5.0	E
0259	LEAR	15	1017E	1021U	1026D	N17	E47	8766	11	19.0	9D	SF		2	E		30		E
		15	1034		1351	No Flare Patrol													
0260	HOLL	15	1425	1430	1435	N17	E45	8766	11	19.0	10	SF		3	E		33		
0261	HOLL	15	1605	1607	1613	S09	E18	8765	11	17.0	8	SF		3	E		14		
0262	HOLL	15	1711	1714	1724	S15	E12	8763	11	16.6	13	1N		3	E		158		
0263	HOLL	15	1732	1735	1739	S09	E17	8765	11	17.0	7	SF		3	E		25		
0264	HOLL	15	1847	1857	1916	S13	E18	8765	11	17.1	29	1F		3	E		123		
0265	HOLL	15	1941	1942	1956	S13	E18	8765	11	17.2	15	SF		3	E		30		
0266	HOLL	15	2017	2024	2027	N17	E41	8766	11	19.0	10	SF		3	E		22		
0267	HOLL	15	2017	2023	2028	S09	E16	8765	11	17.0	11	SF		3	E		18		
0268	LEAR	15	2303	2307	2403	S12	E18	8765	11	17.3	60	SF		3	E		56		
0269	LEAR	15	2343	2344	2403	N17	E40	8766	11	19.0	20	SF		3	E		27		
0270	LEAR	16	0107	0111	0125	S14	E13	8765	11	17.0	18	SF		3	E		86		
0271	LEAR	16	0110	0111	0125	N16	E17	8768	11	17.3	15	SF		3	E		39		
0272	LEAR	16	0218	0219	0230	N13	W34	8759	11	13.5	12	1F		3	E		113		
0273	URUM	16	0236	0238	0250	N11	W29	8759	11	13.9	14	1F			C		273	3.3	E
0274		16	0238*	02468	0309	N17	E38	8766	11	19.0	31	1N					225	3.2	E
	LEAR	16	0238	0246	0312	N17	E38	8766	11	19.0	34	1B		3	E		209		
	URUM	16	0250	0254	0306	N17	E37	8766	11	18.9	16	1F			C		241	3.2	E
0275	LEAR	16	0240	0246	0254	N09	W40	8759	11	13.1	14	1F		3	E		122		
0276	LEAR	16	0255	0402	0448	S09	E11	8765	11	16.9	113	SF		3	E		78		
0277		16	04062	04102	0424	N14	W72	8760	11	10.7	18	1B					86		E
	LEAR	16	0406	0410	0420	N12	W74	8760	11	10.6	14	SN		3	E		44		
	URUM	16	0408	0412	0427	N15	W70	8760	11	10.9	19	1B			C		129		E

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0278	URUM	16	0423	0509	0540	N07	W36	8759	11	13.5	77	2B			C		804	10.3	E
0279	LEAR	16	0424	0608	0851	N09	W42	8759	11	13.0	267	3N		2	E		619		EU
0280	LEAR	16	0510	0510	0521	N18	E43	8766	11	19.5	11	SF		2	E		18		E
0281	LEAR	16	0514	0548	0617	S13	E14	8765	11	17.3	63	1F		3	E		140		
0282	MITK	16	0548	0551	0559	N07	W33	8759	11	13.8	11	SN			C	0551	53	0.7	B
0283	LEAR	16	0618	0622	0708	S14	E10	8765	11	17.0	50	1N		3	E		104		E
0284	LEAR	16	0728	0757	0822	S14	E11	8765	11	17.1	54	SF		2	E		59		F
0285	URUM	16	0748E	0748	0831	N09	W36	8759	11	13.6	43D	3N			P		1125	14.3	E
0286	LEAR	16	0754	0800	0810	N16	E13	8768	11	17.3	16	SF		2	E		16		
0287	LEAR	16	0852	0952	1025D	S09	E08	8765	11	17.0	93D	SF		2	E		45		F
0288	LEAR	16	0910	0922	1004	N15	E12	8768	11	17.3	54	SN		2	E		73		E
		16	1026		1351	No Flare Patrol													
0289	HOLL	16	1402	1402U	1508	S09	E06	8765	11	17.0	66	1N		2	E		235		
0290	HOLL	16	1547	1548	1558	S09	E05	8765	11	17.0	11	SF		3	E		23		
0291	HOLL	16	1601	1603	1608	S09	E05	8765	11	17.0	7	SF		3	E		30		
0292	HOLL	16	1643	1647	1706	S09	E05	8765	11	17.1	23	SF		3	E		52		
0293	HOLL	16	1754	1756	1801	N19	E33	8766	11	19.3	7	SF		3	E		20		
0294	HOLL	16	1834	1835	1841	S13	E09	8765	11	17.4	7	SF		3	E		17		
0295	HOLL	16	1925	1927	1934	N19	E34	8766	11	19.4	9	SF		3	E		18		
0296	HOLL	16	1938	1940	1947	N17	E29	8766	11	19.0	9	SF		3	E		27		
0297	HOLL	16	2006	2014	2016	N09	W51	8759	11	13.0	10	SF		3	E		19		
0298	HOLL	16	2012	2017	2020	N16	E30	8766	11	19.1	8	SF		3	E		57		
0299	HOLL	16	2120	2127	2220	S11	E08	8765	11	17.5	60	1N		3	E		215		
0300	HOLL	16	2122	2122	2131	N17	E29	8766	11	19.1	9	SF		3	E		11		
0301	HOLL	16	2122	2122	2128	N13	W39	8759	11	13.9	6	SF		3	E		19		
0302	HOLL	16	2146	2148	2150	S12	E69	8769	11	22.1	4	SF		3	E		14		
0303	HOLL	16	2223	2224	2227	N17	E27	8766	11	19.0	4	SF		3	E		12		
0304	HOLL	16	2230	2231	2309	N09	W52	8759	11	13.0	39	SF		3	E		22		
0305	LEAR	16	2232	2232	2241	N13	W40	8759	11	13.9	9	SF		3	E		10		
0306		16	22561	2301	2303	S14	E64	8769	11	21.8	7	SF					18		
	HOLL	16	2256	2301	2304	S13	E63	8769	11	21.7	8	SF		3	E		17		
	LEAR	16	2257	2301	2302	S14	E64	8769	11	21.8	5	SF		3	E		20		
0307		16	23124	2321	2334	N14	W42	8759	11	13.8	22	SF					43		
	LEAR	16	2312	2321	2334	N14	W45	8759	11	13.6	22	SF		3	E		42		
	HOLL	16	2316	2321	2351D	N13	W40	8759	11	13.9	35D	SF		3	E		44		
0308	LEAR	16	2332	2333	2343	S14	W04	8765	11	16.7	11	SN		3	E		69		
0309	LEAR	17	0112	0113	0115	N16	W40	8759	11	14.0	3	SF		3	E		14		

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0310	LEAR	17	0206	0207	0210	S09	W01	8765	11	17.0	4	SF		3	E		15		
0311	LEAR	17	0214	0216	0218	N09	W53	8759	11	13.1	4	SF		3	E		28		
0312	URUM	17	0218	0248	0315	N17	W43	8759	11	13.8	57	SN			C		129	1.9	E
0313	LEAR	17	0223	0229	0233	N14	W47	8759	11	13.5	10	SF		3	E		36		
0314	LEAR	17	0233	0236	0238	N14	W47	8759	11	13.5	5	SF		3	E		38		
0315	LEAR	17	0237	0239	0242	S15	W05	8765	11	16.7	5	SF		3	E		63		
0316	LEAR	17	0404	0406	0410	S14	W05	8765	11	16.8	6	SF		3	E		14		
0317	LEAR	17	0502	0503	0509	N15	E27	8766	11	19.2	7	SF		3	E		12		
0318	LEAR	17	0507	0507	0524	N16	E01	8768	11	17.3	17	SF		4	E		14		F
0319	LEAR	17	0548	0552	0614	S14	W01	8765	11	17.2	26	SF		3	E		65		
0320	LEAR	17	0707	0709	0722	N19	E26	8766	11	19.3	15	SF		3	E		49		
0321	LEAR	17	0826	0826	0835	N13	W45	8759	11	13.9	9	SF		3	E		16		
0322	LEAR	17	0846	0849	0853	S17	E74	8769	11	23.0	7	SF		3	E		30		E
0323		17	0930	0935	0939	S14	W02	8765	11	17.2	9	1N					153		F
	LEAR	17	0930	0935	1003D	S15	W02	8765	11	17.2	33D	1N		3	E		153		F
	KHAR	17	0935E		0939	S14	W01	8765	11	17.3	4D	SN		2	V				
0324	KHAR	17	0937U	0939U	1000U	N19	E21	8766	11	19.0	23U	1B		2	P	0939	190	2.2	
0325	LEAR	17	0951	0955	1024D	N17	E21	8766	11	19.0	33D	2B		3	E		369		E
		17	1025		1352	No Flare Patrol													
0326	HOLL	17	1414E	1430U	1458	N16	W03	8768	11	17.4	44D	SF		3	E		41		F
0327	HOLL	17	1456	1502	1507	S14	E59	8769	11	22.1	11	SF		3	E		56		
0328	HOLL	17	1515	1516	1529	S15	E60	8769	11	22.2	14	SF		3	E		12		
0329	HOLL	17	1558	1600	1611	S11	W03	8765	11	17.4	13	SF		3	E		30		
0330	HOLL	17	1725	1728	1735	S13	W34	8770	11	15.2	10	SF		3	E		17		
0331	HOLL	17	1741	1741	1754	S15	E60	8769	11	22.3	13	SF		3	E		29		
0332	HOLL	17	1743	1746	1748	S14	W33	8770	11	15.2	5	SF		3	E		14		
0333	HOLL	17	1755	1800	1805	N19	W04	8768	11	17.4	10	SF		3	E		11		
0334	HOLL	17	1945	1946	1948	N09	W63	8759	11	13.1	3	SF		3	E		19		
0335	HOLL	17	2016	2017	2027	S15	E70	8773	11	23.1	11	SF		3	E		19		H
0336	HOLL	17	2259	2301	2305	S06	W12	8765	11	17.0	6	SF		3	E		15		
0337	HOLL	17	2307	2310	2318	N16	W62	8758	11	13.3	11	SF		3	E		13		
0338	LEAR	17	2332	2405	2423	N18	W61	8759	11	13.3	51	SF		3	E		61		
0339	LEAR	17	2357	2358	2408	N18	W08	8768	11	17.4	11	SF		3	E		55		
0340	LEAR	18	0002	0019	0040	S13	W07	8765	11	17.5	38	SF		3	E		54		
0341	LEAR	18	0144	0146	0159	S17	E55	8771	11	22.2	15	1F		3	E		120		
0342	LEAR	18	0326	0335	0348	S16	E54	8771	11	22.2	22	SF		3	E		13		

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0343	LEAR	18	0337	0343	0354	S11	W41	8770	11	15.1	17	SF		3	E		15		
0344	LEAR	18	0434	0440	0448	S12	W42	8770	11	15.0	14	SF		3	E		23		
0345	LEAR	18	0451	0451	0509	S11	W11	8765	11	17.4	18	SF		3	E		21		
0346	LEAR	18	0512	0518	0531	S12	W42	8770	11	15.0	19	SF		3	E		36		
0347		18	0749*	0803*	0848	N13	W60	8759	11	13.8	59	2N					246	8.6	EF
	LEAR	18	0749	0803	0910	N14	W60	8759	11	13.8	81	2N		3	E		306		F
	URUM	18	0758	0806	0806D	N12	W61	8759	11	13.7	8D	2B			P		402	8.6	E
	SVTO	18	0759	0814	0827	N13	W60	8759	11	13.8	28	SF		3	E		30		F
0348	LEAR	18	0807	0810	0816	S13	E58	8771	11	22.7	9	SF		3	E		38		
0349	LEAR	18	0846	0847	0855	S11	W12	8765	11	17.5	9	SF		3	E		29		
		18	1020		1134	No Flare Patrol													
		18	1141		1203	No Flare Patrol													
		18	1246		1320	No Flare Patrol													
0350	RAMY	18	1351E	1351U	1352D	N19	E11	8766	11	19.4	1D	SF		1	E		15		
		18	1353		1451	No Flare Patrol													
		18	1525		1545	No Flare Patrol													
0351	HOLL	18	1712	1712	1719	S11	W14	8765	11	17.7	7	SF		3	E		43		F
0352	HOLL	18	1849	1852	1904	S14	W51	8770	11	14.9	15	SF		3	E		58		
0353	HOLL	18	1859	1901	1921	S11	W14	8765	11	17.7	22	1F		3	E		129		
0354	HOLL	18	2207	2217	2310D	N14	E03	8766	11	19.1	63D	SF		3	E		91		
0355		18	2311*	2312*	2326	S10	W24	8765	11	17.2	15	SF					15		
	HOLL	18	2311	2312	2323	S11	W21	8765	11	17.4	12	SF		3	E		19		
	LEAR	18	2323	2323	2330	S09	W26	8765	11	17.0	7	SF		3	E		11		
0356	LEAR	19	0123	0124	0128	S09	W27	8765	11	17.0	5	SF		3	E		20		
0357	LEAR	19	0157	0158	0200	S09	W28	8765	11	17.0	3	SF		3	E		17		
0358	LEAR	19	0315	0352	0359	S09	W29	8765	11	16.9	44	SF		3	E		37		
0359	LEAR	19	0406	0406	0409	S09	W29	8765	11	17.0	3	SF		3	E		11		
0360	LEAR	19	0317	0317	0343	S18	W39	8763	11	16.2	26	SF		3	E		30		
0361	LEAR	19	0317	0317	0343	S14	W51	8770	11	15.3	26	SF		3	E		35		
0362	URUM	19	0335	0345	0351	S12	W19	8765	11	17.7	16	1N			C		225	2.5	E
0363	LEAR	19	0420	0420	0430	N17	W06	8766	11	18.7	10	SF		3	E		11		
0364	URUM	19	0424E	0424	0440	N14	E01	8766	11	19.2	16D	SN			P		64	0.7	E
0365	LEAR	19	0541	0542	0545	S09	W30	8765	11	17.0	4	SF		4	E		17		
0366	LEAR	19	0624	0626	0631	S09	W30	8765	11	17.0	7	1F		4	E		101		
0367	LEAR	19	0636	0637	0700	S09	W30	8765	11	17.0	24	SF		4	E		67		
0368	LEAR	19	0706	0708	0709	S09	W30	8765	11	17.0	3	SF		4	E		28		
0369	LEAR	19	0625	0626	0629	S19	E33	8771	11	21.8	4	SF		4	E		21		
0370	LEAR	19	0640	0642	0653	S19	E33	8771	11	21.8	13	SF		4	E		23		
0371	LEAR	19	0706	0706	0709	S19	E33	8771	11	21.8	3	SF		4	E		27		

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0372	LEAR	19	0739	0743	0844	N18	W24	8768	11	17.5	65	1N		4	E		101		U
0373	LEAR	19	0739	0752	0814	S09	W31	8765	11	17.0	35	SF		4	E		57		
0374	LEAR	19	0824	0825	0829	S19	E32	8771	11	21.8	5	SF		4	E		28		
0375	LEAR	19	0940	0940	0952	N09	W85	8759	11	13.0	12	SF		3	E		23		
		19	1027		1356	No Flare Patrol													
		19	1418		1429	No Flare Patrol													
0376	HOLL	19	1503	1506	1515	S11	W26	8765	11	17.7	12	SF		3	E		80		
0377	HOLL	19	1600	1601	1604	S16	E38	8771	11	22.5	4	SF		3	E		24		
0378	HOLL	19	1601	1603	1604	S14	W59	8770	11	15.2	3	SF		3	E		10		
		19	1618		1658	No Flare Patrol													
0379	HOLL	19	1847	1849	1852	S14	W33	8765	11	17.3	5	SF		3	E		21		
		19	1923		2038	No Flare Patrol													
0380	LEAR	20	0055	0055	0100	S09	W40	8765	11	17.0	5	SF		3	E		13		
0381	LEAR	20	0113	0113	0127	S19	E23	8771	11	21.8	14	SF		3	E		14		
0382	LEAR	20	0154	0156	0204	S19	E22	8771	11	21.7	10	SF		4	E		14		
0383	LEAR	20	0312	0312	0315	S19	E22	8771	11	21.8	3	SF		4	E		13		
0384	LEAR	20	0334	0334	0338	S09	W42	8765	11	17.0	4	SF		4	E		11		
0385	LEAR	20	0404	0404	0409	S19	E21	8771	11	21.8	5	SF		4	E		12		
0386	LEAR	20	0424	0454	0542	S19	E21	8771	11	21.8	78	SF		5	E		70		
0387	LEAR	20	0427	0428	0440	N18	W35	8768	11	17.5	13	SF		4	E		19		
0388	URUM	20	0840	0856	0903	S13	W62	8770	11	15.7	23	SF			C		48	1.1	D
		20	1028		1250	No Flare Patrol													
		20	1342		1349	No Flare Patrol													
		20	1353		1356	No Flare Patrol													
0389	HOLL	20	1430	1436	1445	S14	E21	8771	11	22.2	15	SF		3	E		31		
0390	HOLL	20	1529	1531	1545	S16	E19	8771	11	22.1	16	SF		3	E		26		
0391	HOLL	20	1545	1546	1549	S16	E19	8771	11	22.1	4	SF		3	E		21		
0392	HOLL	20	1543	1544	1557	S15	E29	8773	11	22.8	14	SF		3	E		19		
0393	HOLL	20	1603	1603	1609	S14	E27	8773	11	22.7	6	SF		3	E		16		
		20	1825		1829	No Flare Patrol													
		20	1836		1839	No Flare Patrol													
		20	1950		1959	No Flare Patrol													
		20	2053		2100	No Flare Patrol													
		20	2125		2133	No Flare Patrol													
0394		20	2219	2232*	2425	S15	E19	8771	11	22.4	126	2B					466		ETU
	LEAR	20	2219	2232	2425	S15	E19	8771	11	22.4	126	2B		3	E		417		UET
	HOLL	20	2219	2243	2349D	S15	E19	8771	11	22.4	90D	2N		3	E		515		
0395	LEAR	20	2238	2238	2248	S09	W52	8765	11	17.0	10	SF		3	E		14		
0396	LEAR	21	0008	0011	0054	S09	W53	8765	11	17.0	46	1N		3	E		182		F

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0397	LEAR	21	0225	0229	0234	S19	E09	8771	11	21.8	9	SF		3	E		44		
0398	LEAR	21	0424	0425	0430	S14	W50	8765	11	17.4	6	SF		4	E		46		
0399		21	05023	05121	0529	S14	W50	8765	11	17.4	27	SN					70	1.3	DFH
	URUM	21	0502	0513	0521	S14	W48	8765	11	17.6	19	SN			C		80	1.3	D
	LEAR	21	0505	0512	0537	S15	W51	8765	11	17.3	32	SF		3	E		61		FH
0400	LEAR	21	0511	0512	0516	N15	W49	8768	11	17.5	5	SF		3	E		33		F
0401	LEAR	21	0717	0718	0720	S17	E14	8771	11	22.4	3	SF		3	E		15		
0402	LEAR	21	0754	0758	0807	N15	W55	8768	11	17.2	13	SF		3	E		23		
0403		21	0757	0804*	0825	S14	W50	8765	11	17.5	28	SN					92	1.5	E
	LEAR	21	0757	0804	0828D	S15	W52	8765	11	17.4	31D	SN		2	E		87		
	URUM	21	0817E	0817	0825	S12	W48	8765	11	17.7	8D	SF			P		96	1.5	E
0404	LEAR	21	0823	0828U	0859	S17	E14	8771	11	22.4	36	1N		2	E		140		U
0405	LEAR	21	0841E	0841U	0848	S15	W82	8770	11	15.1	7D	SF		2	E		56		
0406		21	08512	09002	0916	S15	W49	8775	11	17.6	25	SN					68	1.3	E
	URUM	21	0851	0900	0900D	S15	W46	8775	11	17.9	9D	SN			P		80	1.3	E
	LEAR	21	0853	0902	0916	S15	W52	8775	11	17.4	23	SF		3	E		57		
0407	LEAR	21	0927	1010U	1026D	S15	W53	8765	11	17.4	59D	SN		2	E		80		E
		21	1026		1159	No Flare Patrol													
		21	1211		1229	No Flare Patrol													
		21	1339		1357	No Flare Patrol													
0408	RAMY	21	1436	1437	1444	N16	W59	8768	11	17.1	8	SF		3	E		14		
0409	HOLL	21	1724	1725	1728	S15	W56	8765	11	17.5	4	SF		3	E		28		
0410	HOLL	21	1812	1822	1848	S15	W56	8765	11	17.5	36	2N		3	E		471		
0411	HOLL	21	1913	1914	1917	S15	W56	8765	11	17.6	4	SF		3	E		21		
0412	HOLL	21	1930	1932	1941	S14	W60	8765	11	17.3	11	SF		3	E		33		
0413		21	19511	1952	2003	S18	E08	8771	11	22.4	12	SF					18		S
	HOLL	21	1951	1952	2004	S17	E08	8771	11	22.4	13	SF		3	E		24		
	RAMY	21	1952	1952	2002	S18	E08	8771	11	22.4	10	SF		3	E		12		S
0414	HOLL	21	2045	2046	2053	N16	W62	8768	11	17.2	8	SF		3	E		32		
0415		21	22182	2222*	2250	N16	W61	8768	11	17.3	32	SF					20		
	HOLL	21	2218	2222	2233	N15	W64	8768	11	17.1	15	SF		3	E		13		
	LEAR	21	2220	2254	2306	N18	W58	8768	11	17.5	46	SF		3	E		27		
0416	LEAR	22	0147	0149	0154	S19	W04	8771	11	21.8	7	SF		3	E		25		
0417	LEAR	22	0216	0216	0223	S09	W67	8765	11	17.1	7	SN		3	E		94		
0418	LEAR	22	0344	0346	0351	S15	W67	8765	11	17.1	7	SF		3	E		42		
0419	LEAR	22	0408	0435	0501	S28	E09	8776	11	22.9	53	SF		3	E		40		
0420	LEAR	22	0445	0454	0535	S18	E01	8771	11	22.3	50	SF		3	E		26		
0421	LEAR	22	0508	0514	0515	N16	W67	8768	11	17.1	7	SF		3	E		16		
0422	LEAR	22	0618	0621	0627	S16	W01	8771	11	22.2	9	SF		2	E		56		F
0423	LEAR	22	0636	0636	0646	S15	W06	8771	11	21.8	10	SF		3	E		12		
0424	LEAR	22	0651	0658	0711	S19	W07	8771	11	21.7	20	SF		3	E		26		

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0425	LEAR	22	0841	0841	0851	S26	E36	8777	11	25.1	10	SF		3	E		20		
0426	LEAR	22	0948	0948	0954	S14	W65	8765	11	17.5	6	SF		3	E		14		
		22	1028		1110	No Flare Patrol													
		22	1113		1124	No Flare Patrol													
		22	1131		1427	No Flare Patrol													
0427	RAMY	22	1227	1227	1312D	S16	W75	8765	11	16.8	45D	SF		3	E		69		
0428	HOLL	22	1441	1442	1502D	N06	E23	8772	11	24.3	21D	SF		3	E		23		
		22	1453		1501	No Flare Patrol													
0429	HOLL	22	1652	1654	1656	N15	W78	8768	11	16.8	4	SF		3	E		31		
0430	HOLL	22	1702	1703	1713	S18	W03	8771	11	22.5	11	SF		3	E		27		F
0431	HOLL	22	1710	1711	1714	S14	E57	8778	11	27.0	4	SF		3	E		18		
		22	1717		1721	No Flare Patrol													
0432	HOLL	22	1723	1723	1733	N16	W47	8766	11	19.1	10	SF		3	E		15		
0433	HOLL	22	1723	1723	1728	S27	E01	8776	11	22.8	5	SF		3	E		22		
0434	HOLL	22	1755	1757	1806	S14	E56	8778	11	27.0	11	SF		3	E		21		
0435	HOLL	22	1941	1949	2017	S15	E54	8778	11	26.9	36	SF		3	E		70		
0436	HOLL	22	2115	2115	2120	S18	W08	8771	11	22.3	5	SF		3	E		20		
0437	HOLL	22	2154	2156	2204	S16	W05	8771	11	22.5	10	SF		3	E		30		
0438	HOLL	22	2302	2306	2313	N18	W50	8766	11	19.1	11	SF		3	E		14		
0439	LEAR	22	2344	2354	2415	N18	W49	8766	11	19.2	31	SF		3	E		43		
0440	LEAR	22	2345	2347	2347D	S15	E50	8778	11	26.8	2D	SF		3	E		38		
0441	LEAR	23	0222	0222	0234	S16	W15	8771	11	22.0	12	SF		3	E		26		
0442	LEAR	23	0229	0231	0236	N17	W77	8768	11	17.2	7	SF		3	E		22		
0443	LEAR	23	0342	0342	0350	S14	W10	8771	11	22.4	8	SF		3	E		43		F
0444	LEAR	23	0359	0405	0427	S16	W16	8771	11	21.9	28	SF		3	E		82		F
0445	LEAR	23	0441	0446	0506	S19	W19	8771	11	21.7	25	SF		3	E		17		
0446	LEAR	23	0509	0510	0512	S19	W19	8771	11	21.8	3	SF		3	E		12		
0447	LEAR	23	0615	0618	0620	S16	W15	8771	11	22.1	5	SF		3	E		33		E
0448	LEAR	23	0625	0626	0644	S19	W20	8771	11	21.7	19	SF		3	E		82		F
0449	LEAR	23	0654	0656	0659	N04	E13	8772	11	24.2	5	SF		3	E		14		
0450	LEAR	23	0749	0749	0754	S20	W16	8771	11	22.1	5	SF		3	E		14		
0451	LEAR	23	0937	0939	0941	S19	W22	8771	11	21.7	4	SF		3	E		37		E
0452	LEAR	23	0944	0945	0952	S26	E21	8777	11	25.0	8	SF		3	E		15		
		23	1035		1107	No Flare Patrol													
		23	1122		1357	No Flare Patrol													
0453	HOLL	23	1841	1841	1852	S19	W20	8771	11	22.2	11	SF		3	E		18		

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0454	HOLL	23	2216	2216	2226	S15	W25	8771	11	22.0	10	SF		3	E		24		
0455		23	2222	2225	2255	S16	E39	8778	11	26.9	33	SF					30		
	LEAR	23	2222	2224U	2256	S17	E39	8778	11	26.9	34	SF		3	E		36		
	HOLL	23	2222	2225	2254	S16	E39	8778	11	26.9	32	SF		3	E		23		
0456	HOLL	23	2333	2334	2340D	S15	E39	8778	11	26.9	7D	SF		3	E		17		F
0457	LEAR	24	0056	0057	0123	S15	E37	8778	11	26.8	27	SF		3	E		28		
0458	LEAR	24	0135	0136	0145	S15	W30	8771	11	21.8	10	SF		3	E		31		
0459	LEAR	24	0142	0207	0247	S14	E37	8778	11	26.9	65	SF		3	E		65		F
0460	LEAR	24	0213	0214	0221	N18	W75	8766	11	18.4	8	SF		3	E		45		E
0461	LEAR	24	0231	0231	0236	S16	W27	8771	11	22.0	5	SF		3	E		10		
0462	LEAR	24	0305	0309	0332	S19	W31	8771	11	21.8	27	SF		3	E		46		
0463	LEAR	24	0332	0354	0409	S14	W29	8771	11	21.9	37	SF		3	E		64		
0464	URUM	24	0452	0504	0516	S17	W27	8771	11	22.1	24	1F			C		321	3.9	E
0465	LEAR	24	0634	0636	0644	S19	W33	8771	11	21.7	10	SF		3	E		22		
0466	LEAR	24	0715	0716	0721	S19	W34	8771	11	21.7	6	SF		3	E		19		
0467	LEAR	24	0722	0723	0726	S19	W34	8771	11	21.7	4	SF		3	E		18		
0468	LEAR	24	0746	0748	0750	S14	E34	8778	11	26.9	4	SF		3	E		18		
0469	LEAR	24	0838	0839	0840	S14	W90	8765	11	17.5	2	SF		3	E		13		
0470	LEAR	24	1004	1010	1022	S14	E27	8778	11	26.4	18	SF		2	E		28		E
0471	HOLL	24	1501E	1507	1518	S15	E30	8778	11	26.9	17D	SF		3	E		49		
0472	HOLL	24	1540	1540	1547	S15	E30	8778	11	26.9	7	SF		3	E		13		
0473	HOLL	24	1547	1548	1558	S20	W32	8771	11	22.2	11	SF		3	E		11		
0474		24	1719	1724	1754	S16	E28	8778	11	26.8	35	SF					29		
	RAMY	24	1719	1724	1751	S16	E28	8778	11	26.8	32	SF		3	E		30		
	HOLL	24	1719	1724	1756	S16	E28	8778	11	26.8	37	SF		3	E		28		
0475	HOLL	24	1825	1825	1833	S16	W35	8771	11	22.1	8	SF		3	E		10		F
0476		24	18451	1847	1858	S15	E25	8778	11	26.7	13	SF					22		
	HOLL	24	1845	1847	1900	S15	E25	8778	11	26.7	15	SF		3	E		23		
	RAMY	24	1846	1847	1855	S15	E25	8778	11	26.7	9	SF		3	E		20		
0477		24	18575	1913*	2007	S13	W37	8771	11	22.0	70	1N					125		F
	HOLL	24	1857	1929	2010	S13	W38	8771	11	21.9	73	1N		3	E		156		
	RAMY	24	1902	1913	2004	S13	W36	8771	11	22.1	62	SF		3	E		94		F
0478	HOLL	24	2143	2143	2212	S14	W38	8771	11	22.0	29	SF		3	E		13		
0479	HOLL	24	2154	2156	2202	S13	E20	8778	11	26.4	8	1B		3	E		146		
0480	HOLL	24	2215	2239	2348D	S13	W35	8771	11	22.3	93D	SF		3	E		73		
0481	LEAR	24	2338	2401	2425	S19	W43	8771	11	21.7	47	SF		3	E		94		
0482	LEAR	25	0026	0028	0143	S19	W43	8771	11	21.7	77	SF		3	E		42		
0483	LEAR	25	0159	0235	0248	S19	W44	8771	11	21.7	49	SF		3	E		55		
0484	LEAR	25	0606	0621	0632	S19	W46	8771	11	21.7	26	SF		4	E		25		

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0485	LEAR	25	0628	0633	0638	S12	E21	8778	11	26.8	10	SF		4	E		17		
0486	LEAR	25	0641	0647	0658	S12	E20	8778	11	26.8	17	1N		4	E		130		
0487	LEAR	25	0819	0826	0834	S13	E15	8778	11	26.5	15	SF		3	E		61		H
0488	LEAR	25	1015	1020	1033D	S15	E15	8778	11	26.6	18D	SF		2	E		76		FH
		25	1034		1104	No Flare Patrol													
		25	1259		1309	No Flare Patrol													
0489	RAMY	25	1312	1313	1317	S13	E12	8778	11	26.4	5	SF		3	E		15		
0490	HOLL	25	1508	1509	1512	S14	E09	8778	11	26.3	4	SF		3	E		28		
0491	RAMY	25	1521	1523	1542	S13	W45	8771	11	22.2	21	SF		3	E		17		
0492		25	1714	1717	1812	S16	W45	8771	11	22.3	58	1F					89		
	HOLL	25	1714	1717	1806	S16	W45	8771	11	22.3	52	1F		3	E		103		
	RAMY	25	1714	1717	1819	S16	W45	8771	11	22.3	65	SF		3	E		75		
0493		25	1841	18412	1852	S17	W52	8771	11	21.8	11	SF					18		
	RAMY	25	1841	1841	1855	S15	W50	8771	11	22.0	14	SF		3	E		12		
	HOLL	25	1841	1843	1850	S19	W53	8771	11	21.7	9	SF		3	E		23		
0494		25	1901	19192	1958	S15	W48	8771	11	22.1	57	2N					302		F
	HOLL	25	1901	1919	1952	S15	W48	8771	11	22.1	51	2N		3	E		315		
	RAMY	25	1901	1921	2004	S15	W47	8771	11	22.2	63	2N		3	E		290		F
0495	HOLL	25	2110	2112	2117	S07	W56	8769	11	21.7	7	SF		3	E		22		
0496	HOLL	25	2118	2122	2125	S08	W55	8769	11	21.8	7	SF		3	E		16		
0497	HOLL	25	2135	2136	2142	S13	E06	8778	11	26.3	7	SF		3	E		38		H
0498	LEAR	25	2215	2222	2224	S10	W52	8769	11	22.0	9	SF		3	E		12		
0499	LEAR	25	2302	2302	2306	S12	E11	8778	11	26.8	4	SF		3	E		32		
0500	LEAR	25	2322	2322	2337	S19	W56	8771	11	21.7	15	SF		3	E		20		E
0501	LEAR	25	2339	2351	2356	S19	W56	8771	11	21.7	17	SF		3	E		23		E
0502	LEAR	25	2357	2403	2408	S19	W56	8771	11	21.7	11	SF		3	E		22		
0503	LEAR	25	2342	2343	2354	S12	E11	8778	11	26.8	12	SF		3	E		62		
0504	LEAR	26	0047	0049	0055	S19	W56	8771	11	21.7	8	SF		3	E		14		
0505	LEAR	26	0057	0131	0223	S14	W55	8771	11	21.9	86	3B		3	E		614		E
0506	LEAR	26	0105	0107	0110	S12	E10	8778	11	26.8	5	SF		3	E		13		
0507	LEAR	26	0352	0357	0502	S19	W58	8771	11	21.7	70	2B		3	E		269		F
0508	LEAR	26	0439	0443	0557	S12	E08	8778	11	26.8	78	SF		4	E		45		
0509	LEAR	26	0556	0558	0616	S19	W59	8771	11	21.7	20	SN		4	E		72		
0510		26	06591	0701	0752	S12	E04	8778	11	26.6	53	SF					72		FH
	LEAR	26	0659	0701	0751	S12	E07	8778	11	26.8	52	SF		3	E		76		H
	SVTO	26	0700	0700U	0754	S13	E01	8778	11	26.4	54	SF		3	E		67		F
0511		26	08423	0857	0932	S16	W58	8771	11	22.0	50	1N					84		
	LEAR	26	0842	0857	0939	S19	W61	8771	11	21.7	57	1N		3	E		147		
	SVTO	26	0845	0906U	0926	S14	W55	8771	11	22.2	41	SF		3	E		21		
0512	SVTO	26	1059	1101	1108	S19	W61	8771	11	21.8	9	SF		3	E		24		

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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
0513		26	13412	1343	1501	S15	W59	8771	11	22.1	80	2B					249		E
	SVTO	26	1341	1343U	1446D	S15	W59	8771	11	22.1	65D	1B		3	E		223		
	RAMY	26	1343	1343	1501	S15	W59	8771	11	22.1	78	2N		3	E		275		E
0514	HOLL	26	1400E	1425	1515	S19	W64	8771	11	21.7	75D	2N		3	E		370		
0515	SVTO	26	1406	1409U	1445D	S14	W02	8778	11	26.4	39D	SF		3	E		12		
0516	HOLL	26	1423	1425	1427	S12	E03	8778	11	26.8	4	SF		2	E		27		
0517	HOLL	26	1438	1441	1447	S12	E02	8778	11	26.8	9	SF		3	E		38		
0518	HOLL	26	1707	1731	1738	S15	W60	8771	11	22.2	31	SF		3	E		28		
0519		26	17384	1743	1755	S17	W60	8771	11	22.2	17	SF					40		
	HOLL	26	1738	1743	1802	S19	W66	8771	11	21.7	24	SF		3	E		63		
	RAMY	26	1742	1743	1748	S15	W55	8771	11	22.6	6	SF		3	E		16		
0520		26	1757	18046	1842	S12	W09	8778	11	26.1	45	SF					52		FS
	RAMY	26	1757	1804	1842	S12	W10	8778	11	26.0	45	SF		3	E		66		FS
	HOLL	26	1757	1810	1843	S12	W08	8778	11	26.1	46	SF		3	E		39		
0521		26	19402	1943	1955	S14	W04	8778	11	26.5	15	SF					36		F
	HOLL	26	1940	1943	1955	S14	W04	8778	11	26.5	15	SF		3	E		58		
	RAMY	26	1942	1943	1955	S14	W03	8778	11	26.6	13	SF		3	E		14		F
0522	HOLL	26	2030	2031	2034	S13	W57	8771	11	22.5	4	SF		3	E		20		
0523	HOLL	26	2058	2104	2123	S15	W60	8771	11	22.3	25	SF		3	E		28		
0524	HOLL	26	2152	2214	2221	S19	W68	8771	11	21.7	29	SF		3	E		34		
0525	HOLL	26	2214	2220	2223	S12	E40	8781	11	29.9	9	SF		3	E		21		
0526	LEAR	27	0022	0023	0027	S19	W69	8771	11	21.7	5	SF		4	E		28		H
0527	LEAR	27	0030	0042	0057	S19	W70	8771	11	21.7	27	SF		4	E		61		H
0528	LEAR	27	0204	0206	0220	S14	W63	8771	11	22.3	16	1N		4	E		139		H
0529	LEAR	27	0238	0241	0330	S19	W71	8771	11	21.7	52	1N		4	E		121		H
0530		27	0453	04543	0518	S13	W14	8778	11	26.1	25	1N					323	4.0	DEF
	MITK	27	0453	0454	0503	S12	W15	8778	11	26.1	10	SN			C	0454	166	1.8	D
	LEAR	27	0453	0455	0539	S12	W15	8778	11	26.1	46	1N		3	E		241		F
	URUM	27	0453	0457	0513	S14	W13	8778	11	26.2	20	2B			C		563	6.2	E
0531	URUM	27	0500E	0500	0516	S13	W60	8773	11	22.7	16D	SF			C		80	1.7	D
0532	LEAR	27	0541	0548	0623	S14	W66	8771	11	22.2	42	1N		3	E		141		E
0533	LEAR	27	0723	0739	0759	S15	W07	8778	11	26.8	36	SF		3	E		68		F
0534		27	07461	0748	0752	S12	W61	8771	11	22.7	6	SF					70	2.3	E
	SVTO	27	0746	0748	0800D	S12	W62	8771	11	22.6	14D	SF		3	E		42		
	LEAR	27	0747	0748	0751	S12	W62	8771	11	22.6	4	SF		3	E		55		
	URUM	27	0748E	0748	0752	S11	W58	8771	11	23.0	4D	1N			P		113	2.3	E
0535	SVTO	27	0809	0826	0837	S26	W63	8776	11	22.4	28	SF		3	E		16		F
0536		27	08152	08203	0838	N04	W38	8772	11	24.5	23	SF					40		F
	SVTO	27	0815	0820	0846	N05	W38	8772	11	24.5	31	SF		3	E		36		F
	LEAR	27	0817	0823	0831	N04	W37	8772	11	24.6	14	SF		3	E		43		F
0537	SVTO	27	0854	0900	0912	S19	W74	8771	11	21.7	18	SF		3	E		26		F
0538	RAMY	27	1114E	1114U	1138D	S15	W66	8771	11	22.5	24D	SF		3	E		29		

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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
0539		27	12081	12111	1308	S15	W70	8771	11	22.2	60	2B					236		FH
	RAMY	27	1208	1212	1319	S15	W68	8771	11	22.3	71	2B		3	E		299		H
	SVTO	27	1209	1211	1256	S15	W71	8771	11	22.1	47	1B		3	E		172		F
0540	HOLL	27	2055	2055	2100	S12	W60	8773	11	23.3	5	SF		3	E		18		
0541	HOLL	27	2106	2108	2111	S12	W60	8773	11	23.3	5	SF		3	E		12		
0542		27	2239	2240	2305	S14	W63	8773	11	23.2	26	SF					30		H
	LEAR	27	2239	2240	2303	S15	W65	8773	11	23.0	24	SF		3	E		28		H
	HOLL	27	2239	2240	2307	S12	W61	8773	11	23.3	28	SF		3	E		31		
0543	HOLL	27	2303	2304	2309	S14	W79	8771	11	22.0	6	SF		3	E		32		
0544	LEAR	28	0033	0051	0130	S19	W83	8771	11	21.7	57	SF		3	E		75		
0545	LEAR	28	0127	0129	0139	S12	W16	8778	11	26.8	12	SF		3	E		46		
0546	LEAR	28	0136	0143	0227	S19	W83	8771	11	21.7	51	SN		3	E		94		
0547	URUM	28	0300E	0304	0320	S13	W15	8778	11	27.0	20D	SN			P		161	1.8	E
0548	LEAR	28	0552	0557	0608	S15	W81	8771	11	22.1	16	SF		3	E		62		E
		28	1033		1049	No Flare Patrol													
0549	RAMY	28	1133	1135	1151	N04	W54	8772	11	24.4	18	SF		3	E		76		FU
0550	RAMY	28	1153	1153	1203	S16	W79	8771	11	22.5	10	SF		3	E		13		
0551	RAMY	28	1235	1235	1240	S13	W66	8773	11	23.5	5	SF		4	E		11		F
0552	HOLL	28	1432	1435	1445	S13	E28	8781	11	30.7	13	SF		3	E		24		
0553	HOLL	28	1438	1439	1445	S13	W72	8773	11	23.2	7	SF		3	E		14		
0554	HOLL	28	1546	1546	1549	S11	E04	8780	11	28.9	3	SF		3	E		17		
0555		28	1702	1704	1711	S14	W72	8773	11	23.3	9	SF					77		FH
	HOLL	28	1702	1704	1709	S13	W73	8773	11	23.2	7	SF		3	E		66		
	RAMY	28	1702	1704	1713	S14	W70	8773	11	23.4	11	SF		4	E		88		FH
0556	RAMY	28	1746	1747	1753	S13	W71	8773	11	23.4	7	SF		4	E		13		
0557		28	19497	19551	2003	S14	W34	8778	11	26.2	14	SF					13		
	HOLL	28	1949	1955	2000	S14	W34	8778	11	26.2	11	SF		3	E		14		
	RAMY	28	1956	1956	2006	S15	W33	8778	11	26.3	10	SF		4	E		12		
0558	HOLL	28	2024	2026	2030	S14	W34	8778	11	26.3	6	SF		3	E		17		
0559	HOLL	28	2121	2122	2131	S14	W35	8778	11	26.2	10	SF		3	E		31		
0560	HOLL	28	2132	2143	2158	S14	W34	8778	11	26.3	26	SF		3	E		14		
0561	HOLL	28	2133	2133	2140	N10	W15	8782	11	27.8	7	SF		3	E		18		
0562	HOLL	28	2217	2218	2220	S12	E25	8781	11	30.8	3	SF		3	E		18		
0563		28	2243	2259	2307	S14	W34	8778	11	26.4	24	SF					70		F
	HOLL	28	2243	2259	2307	S14	W36	8778	11	26.2	24	SF		3	E		77		
	LEAR	28	2252E	2255U	2311D	S13	W32	8778	11	26.5	19D	SF		3	E		62		F
0564	LEAR	29	0108	0108	0117	N11	W15	8782	11	27.9	9	SF		3	E		22		
0565	LEAR	29	0109	0115	0147	S14	W34	8778	11	26.5	38	SF		3	E		54		E
0566	LEAR	29	0129	0131U	0142	S13	W88	8771	11	22.4	13	SF		3	E		40		
0567	LEAR	29	0150	0150	0154	N10	W16	8782	11	27.9	4	SF		3	E		18		

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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
0568	LEAR	29	0157	0222	0252	N10	W16	8782	11	27.9	55	SF		3	E		37		
0569		29	03105	03149	0332	S13	W32	8778	11	26.7	22	1F					130	2.5	EF
	URUM	29	0310	0314	0314D	S14	W34	8778	11	26.6	4D	1F			P		193	2.5	E
	LEAR	29	0315	0323	0332	S12	W31	8778	11	26.8	17	SF		2	E		66		F
0570	LEAR	29	0413	0434	0436	N10	W17	8782	11	27.9	23	SF		3	E		28		
0571	LEAR	29	0422	0437	0501	S14	W36	8778	11	26.5	39	SF		3	E		86		F
0572	LEAR	29	0522	0523	0532	S12	W32	8778	11	26.8	10	SF		3	E		23		
0573	LEAR	29	0614	0617	0626	S12	W32	8778	11	26.8	12	SF		3	E		45		
0574	LEAR	29	0629	0630	0650	S14	W37	8778	11	26.5	21	SF		3	E		39		
0575	LEAR	29	0637	0641	0650	N10	W18	8782	11	27.9	13	SF		3	E		21		
0576	LEAR	29	0744	0754	0802	N10	W19	8782	11	27.9	18	SF		3	E		26		
0577	LEAR	29	0804	0818	0827	N10	W19	8782	11	27.9	23	SF		3	E		28		
0578	LEAR	29	0830	0832	0835	S12	W34	8778	11	26.8	5	SF		3	E		11		
0579	LEAR	29	0846	0850	0928	S11	W07	8780	11	28.8	42	1F		3	E		165		
0580	LEAR	29	0849	0850	0907	S12	W34	8778	11	26.8	18	SF		3	E		22		
0581	LEAR	29	1012	1022	1022D	S16	W36	8778	11	26.7	10D	SF		2	E		32		
		29	1022		1141	No Flare Patrol													
0582	RAMY	29	1143	1201	1209	S18	W38	8778	11	26.6	26	SF		2	E		19		
		29	1147		1158	No Flare Patrol													
		29	1315		1340	No Flare Patrol													
		29	1351		1401	No Flare Patrol													
0583	RAMY	29	1416	1416	1422	S14	W84	8773	11	23.2	6	SF		3	E		36		
0584	RAMY	29	1435	1436	1451	S14	W46	8778	11	26.1	16	SF		3	E		16		
0585	HOLL	29	1532	1533	1605	S15	W40	8778	11	26.6	33	SF		3	E		20		
0586	HOLL	29	1635	1637	1641	S14	W90	8771	11	22.9	6	SF		3	E		19		
0587	HOLL	29	1757	1757	1804	S16	W39	8778	11	26.8	7	SF		3	E		27		
		29	1821		1827	No Flare Patrol													
		29	1956		2013	No Flare Patrol													
		29	2037		2200	No Flare Patrol													
		29	2215		2217	No Flare Patrol													
		29	2240		2255	No Flare Patrol													
		29	2259		2400	No Flare Patrol													
		30	0000		0008	No Flare Patrol													
		30	0052		0110	No Flare Patrol													
0588	LEAR	30	0330	0342	0423	N10	W30	8782	11	27.9	53	1F		3	E		122		E
0589	LEAR	30	0620	0629	0629	N10	W31	8782	11	27.9	9	SF		3	E		16		
0590	LEAR	30	0704	0705	0713	S16	W45	8778	11	26.9	9	SF		3	E		86		
0591	LEAR	30	0725	0726	0729	S12	W46	8778	11	26.8	4	SF		3	E		29		
0592	LEAR	30	0739	0745	0755	N10	W32	8782	11	27.9	16	SF		2	E		81		
0593	LEAR	30	0830	0833	0953	N10	W33	8782	11	27.9	83	1F		2	E		138		

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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
0594	LEAR	30	0802	0802	0808	N10	W32	8782	11	27.9	6	SF		2	E		62		
0595	LEAR	30	0814	0822	0827	N10	W33	8782	11	27.9	13	SF		2	E		63		
		30	1044		1139	No Flare Patrol													
0596	RAMY	30	1425	1425	1437	N10	W35	8782	11	28.0	12	SF		3	E		24		
0597		30	16053	1608	1614	N10	W36	8782	11	28.0	9	SF					45		
	HOLL	30	1605	1608	1615	N11	W37	8782	11	27.9	10	SF		3	E		59		
	RAMY	30	1608	1608	1612	N10	W35	8782	11	28.0	4	SF		3	E		31		
0598		30	17393	17411	1754	N11	W36	8782	11	28.0	15	SF					34		F
	HOLL	30	1739	1741	1801	N11	W37	8782	11	27.9	22	SF		3	E		48		
	RAMY	30	1742	1742	1748	N11	W36	8782	11	28.0	6	SF		3	E		20		F
		30	2013		2234	No Flare Patrol													
		30	2334		2400	No Flare Patrol													

"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