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Dec 98

H α S O L A R F L A R E S

DECEMBER 1998

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF		CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
								Region									Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	LEAR	01	0409	0411	0416	S23	W44	8392		11	27.9	7	SF		3	E		37		
0002	LEAR	01	0526	0529	0532	N22	E14	8395		12	2.3	6	SF		3	E		16		
0003	LEAR	01	0649	0649	0654	N22	E13	8395		12	2.3	5	SF		3	E		26		
		01	1107		1113	No Flare Patrol														
0004	SVTO	01	1120E	1120U	1132D	N22	E09	8395		12	2.2	12D	SF		2	E		26		F
		01	1137		1226	No Flare Patrol														
		01	1232		1239	No Flare Patrol														
		01	1324		1329	No Flare Patrol														
0005		01	16222	16231	1655	N15	E58	8397		12	6.1	33	SF					47		F
	HOLL	01	1622	1623	1632	N15	E58	8397		12	6.1	10	SF		3	E		58		
	RAMY	01	1624	1624	1718	N15	E57	8397		12	6.0	54	SF		3	E		36		F
0006	HOLL	01	1632	1633	1637	N16	E57	8397		12	6.0	5	SF		3	E		39		
		01	1707		1756	No Flare Patrol														
0007	RAMY	01	1802	1803	1816	N22	E68	8402		12	7.0	14	SF		3	E		32		
0008	HOLL	01	1810	1812	1821	N17	E67	8402		12	6.8	11	SF		3	E		15		
0009	HOLL	01	1822	1824	1850	N18	E68	8402		12	6.9	28	SF		3	E		67		
0010	HOLL	01	1807	1809	1854	N21	W01	8395		12	1.7	47	1F		3	E		137		FU
		01	1950		1955	No Flare Patrol														
		01	2006		2011	No Flare Patrol														
		01	2016		2020	No Flare Patrol														
		01	2142		2152	No Flare Patrol														
		01	2210		2212	No Flare Patrol														
0011	LEAR	02	0110	0114	0119	N23	W05	8395		12	1.7	9	SF		3	E		25		F
0012	LEAR	02	0722	0728	0752	N21	W05	8395		12	1.9	30	SF		3	E		17		
0013	LEAR	02	0755	0756	0805	N21	W10	8395		12	1.6	10	SF		3	E		12		
0014	LEAR	02	0906	0910	0918	N17	E59	8402		12	6.9	12	SF		3	E		62		
		02	1013		1306	No Flare Patrol														
		02	1334		1351	No Flare Patrol														
		02	1355		1359	No Flare Patrol														
		02	1405		1520	No Flare Patrol														
0015	RAMY	02	1521E	1521U	1528D	N16	W14	8395		12	1.6	7D	SF		3	E		37		
		02	1534		1614	No Flare Patrol														
0016	RAMY	02	1624	1625	1638	N19	E53	8402		12	6.7	14	SF		3	E		53		
0017	RAMY	02	1702	1704	1724	N16	W14	8395		12	1.6	22	SF		3	E		16		H
		02	1738		1817	No Flare Patrol														
		02	1825		1845	No Flare Patrol														
		02	1924		2204	No Flare Patrol														
		02	2217		2220	No Flare Patrol														
0018	LEAR	03	0439	0440	0443	N14	E34	8397		12	5.8	4	SF		3	E		16		F
		03	0549		0617	No Flare Patrol														
		03	1013		1028	No Flare Patrol														
		03	1037		1203	No Flare Patrol														
0019	RAMY	03	1204	1205	1237	N19	W25	8395		12	1.6	33	SF		2	E		79		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	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
			03 1211		1218			No Flare Patrol											
			03 1225		1236			No Flare Patrol											
			03 1243		1330			No Flare Patrol											
			03 1335		1404			No Flare Patrol											
			03 1541		1553			No Flare Patrol											
			03 1608		1835			No Flare Patrol											
			03 1906		2017			No Flare Patrol											
0020	HOLL	03	2019	2019	2025	N12	W15	8401	12	2.7	6	SF		3	E			42	
0021	HOLL	03	2115	2119	2125	N14	E43	8402	12	7.1	10	SF		3	E			29	
0022	HOLL	03	2211	2219	2235	N20	E38	8402	12	6.8	24	SF		3	E			34	
			03 2348		2400			No Flare Patrol											
			04 0122		0137			No Flare Patrol											
			04 0229		0240			No Flare Patrol											
			04 0311		0347			No Flare Patrol											
			04 0402		0907			No Flare Patrol											
0023	SVTO	04	1105	1106	1115	N15	E25	8402	12	6.3	10	SF		3	E			40	
			04 1651		1713			No Flare Patrol											
0024	RAMY	04	1714E	1715U	1737	N27	W24	8399	12	2.8	23D	SF		2	E			54	
			04 2127		2157			No Flare Patrol											
			04 2231		2257			No Flare Patrol											
			05 1046		1231			No Flare Patrol											
0025	HOLL	05	1745	1747	1757	N31	W38	8399	12	2.7	12	SF		3	E			21	
0026	HOLL	05	1801	1803	1806	S19	W78	8393	11	29.9	5	SF		3	E			23	
0027	HOLL	05	1819	1820	1832	N29	W41	8399	12	2.5	13	SF		3	E			12	
			05 2104		2110			No Flare Patrol											
			05 2345		2400			No Flare Patrol											
			06 0000		0018			No Flare Patrol											
			06 0406		0426			No Flare Patrol											
			06 0457		1037			No Flare Patrol											
			06 1103		1107			No Flare Patrol											
0028	KANZ	06	1108E	1108	1112	N14	E06	8402	12	6.9	4D	SF		2	C				
			06 1217		1406			No Flare Patrol											
0029	HOLL	06	1442	1442	1446	N19	E02	8402	12	6.8	4	SF		3	E			16	
0030	HOLL	06	1446	1448	1501	N19	E01	8402	12	6.7	15	SF		3	E			25	
0031	HOLL	06	1515	1516	1518	N22	W60	8398	12	2.0	3	SF		3	E			14	
0032	HOLL	06	1601	1610	1631	S16	E68	8412	12	11.8	30	SF		3	E			77	
0033	HOLL	06	1617	1622	1650	N15	W16	8397	12	5.5	33	SF		3	E			19	
0034		06	19031	19051	1909	N14	E01	8402	12	6.9	6	SF						27	
	RAMY	06	1903	1905	1914D	N14	E01	8402	12	6.9	11D	SF		3	E			34	
	HOLL	06	1904	1905	1909	N14	E01	8402	12	6.9	5	SF		3	E			20	
			06 2349		2400			No Flare Patrol											
			07 0000		0235			No Flare Patrol											
0035	LEAR	07	0400	0409	0434	N16	W08	8402	12	6.5	34	SF		3	E			94	F
0036	LEAR	07	0616	0616	0620	S16	E58	8405	12	11.7	4	SF		3	E			15	

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0037		07	08552	08561	0903	N17	W08	8402	12	6.8	8	SF					20		
	LEAR	07	0855	0856	0901	N17	W08	8402	12	6.8	6	SF		3	E		20		
	KANZ	07	0857	0857	0905	N17	W09	8402	12	6.7	8	SF		2	C				
0038		07	0902	0903	0908	N18	W10	8402	12	6.6	6	SF					27		F
	SVTO	07	0902E	0902U	0908	N18	W11	8402	12	6.5	60	SF		3	E		13		F
	LEAR	07	0902	0903	0907	N17	W08	8402	12	6.8	5	SF		3	E		41		
0039		07	0949	09503	0956	N20	W08	8402	12	6.8	7	SF					16		
	LEAR	07	0949	0950	0955	N17	W09	8402	12	6.7	6	SF		3	E		16		
	KANZ	07	0949	0953	0957	N23	W06	8402	12	6.9	8	SF		2	C				
0040		07	0953	09561	1003	S23	W02	8404	12	7.2	10	SF					13		
	LEAR	07	0953	0956	1001	S23	W03	8404	12	7.2	8	SF		2	E		13		
	KANZ	07	0953	0957	1005	S23	W01	8404	12	7.3	12	SF		2	C				
0041	KANZ	07	1009	1013	1017	S13	E55	8412	12	11.6	8	SF		2	C				
		07	1304		1344	No Flare Patrol													
		07	1454		1501	No Flare Patrol													
0042	HOLL	07	1537	1538	1543	S16	E55	8405	12	11.8	6	SF		3	E		22		
0043	HOLL	07	1632	1634	1643	S13	E53	8405	12	11.7	11	SF		3	E		13		
0044	HOLL	07	2146	2150	2217	S15	E51	8405	12	11.8	31	SF		3	E		95		
		07	2349		2400	No Flare Patrol													
		08	0000		0013	No Flare Patrol													
		08	0130		0134	No Flare Patrol													
		08	0149		0239	No Flare Patrol													
		08	0248		0340	No Flare Patrol													
		08	0344		0358	No Flare Patrol													
		08	0514		0517	No Flare Patrol													
0045	LEAR	08	0751	0753	0758	S21	W21	8404	12	6.7	7	SF		3	E		14		
0046	LEAR	08	0804	0805	0808	S17	E15	8407	12	9.5	4	SF		3	E		11		
0047	KANZ	08	1017	1017	1021	S32	E74	8409	12	14.3	4	SF		2	C				
0048	KANZ	08	1117	1117	1121	S32	E74	8409	12	14.3	4	SF		2	C				
0049	SVTO	08	1122	1132	1137	S15	E38	8405	12	11.3	15	SF		2	E		14		
0050	KANZ	08	1141	1141	1145	N15	W34	8397	12	5.9	4	SF		2	C				
0051		08	12322	12331	1326	S24	W18	8404	12	7.1	54	SF					33		F
	SVTO	08	1232	1233	1324	S25	W18	8404	12	7.1	52	SF		3	E		33		F
	KANZ	08	1234	1234	1329	S23	W18	8404	12	7.1	55	SF		2	C				
0052	KANZ	08	1237	1237	1253	S14	E39	8405	12	11.5	16	SF		2	C				
0053	KANZ	08	1321	1321	1329	S17	E11	8407	12	9.4	8	SF		2	C				
0054	RAMY	08	1403E	1403U	1431D	S14	E40	8405	12	11.6	28D	SF		2	E		29		HT
0055	RAMY	08	1528	1833	1940D	S23	W24	8404	12	6.8	252D	1F		3	E		120		FT
		08	1603		1744	No Flare Patrol													
0056	HOLL	08	1808	1851	1924	S24	W27	8404	12	6.7	76	1F		3	E		135		
0057	HOLL	08	1931	1936	1940	S23	W23	8404	12	7.0	9	SF		3	E		35		
0058	HOLL	08	1940	1944	1947	S23	W23	8404	12	7.0	7	SF		3	E		14		
0059	RAMY	08	1940	1940	1956	S14	E38	8405	12	11.7	16	SF		3	E		22		

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Grp #	Sta	Start Day (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area (10 ⁻⁶ Disk)	Measurement Apparent (Sq Deg)	Corr (Sq Deg)	Remarks
0060	RAMY	08 2012	2012	2044	N27	W75	8399	12	3.0	32	SF		3	E		12			
		08 2015		2109			No Flare Patrol												
0061	HOLL	08 2128	2144	2210	S14	E37	8405	12	11.7	42	SF		3	E		20			
0062	LEAR	08 2233	2236	2240	N29	W75	8395	12	3.0	7	SF		3	E		16			
		09 0019		0026			No Flare Patrol												
		09 0034		0042			No Flare Patrol												
0063	LEAR	09 0124	0126	0131	S14	E38	8405	12	11.9	7	SF		3	E		18			
0064	LEAR	09 0328	0330	0335	N23	W81	8395	12	2.9	7	SF		3	E		21			
0065	LEAR	09 0416	0416	0419	N28	W77	8395	12	3.1	3	SF		3	E		10			
0066	LEAR	09 0507	0508	0520	N17	W34	8402	12	6.6	13	SF		3	E		31			E
		09 0611		0649			No Flare Patrol												
		09 0654		0715			No Flare Patrol												
0067	KANZ	09 0803	0807	0815	N28	W75	8399	12	3.5	12	SF		2	C					
0068	LEAR	09 0815	0816	0836	S14	E30	8405	12	11.6	21	SF					46			E
	KANZ	09 0815	0819	0835	S14	E29	8405	12	11.5	20	SF		3	E		46			E
0069	KANZ	09 0939	0939	0943	N27	W81	8399	12	3.1	4	SF		2	C					
0070	SVTO	09 1050	1056	1059	N28	W85	8399	12	2.8	9	SF		3	E		22			
	KANZ	09 1051	1051	1055	N27	W81	8399	12	3.1	4	SF		2	C		22			
0071	KANZ	09 1115	1123	1135	S21	W32	8404	12	7.0	20	SF		2	C					
0072	SVTO	09 1147	1147	1150	N33	W82	8399	12	3.0	3	SF		3	E		23			
	KANZ	09 1147	1147	1155	N29	W80	8399	12	3.2	8	SF		2	C		23			
0073	SVTO	09 1206	1211U	1227D	S15	E29	8405	12	11.7	21D	SF		3	E		19			F
		09 1408		1409			No Flare Patrol												
0074	HOLL	09 1536	1546	1603	N19	W40	8402	12	6.6	27	SF		3	E		64			F
		09 1629		1729			No Flare Patrol												
0075	HOLL	09 1737	1741	1843	S14	E26	8405	12	11.7	66	1N		3	E		148			
0076	HOLL	09 2210E	2217	2231	S19	E40	8406	12	13.0	21D	SF		3	E		37			
0077	LEAR	09 2220	2222	2230	S25	E48	8406	12	13.6	10	SF		2	E		22			E
		10 0033		0047			No Flare Patrol												
		10 0052		0138			No Flare Patrol												
0078	LEAR	10 0318	0323	0329	S16	E25	8405	12	12.0	11	SF		3	E		16			E
0079	SVTO	10 0805	0815	0820	S19	E34	8408	12	12.9	15	SF		3	E		12			
0080	SVTO	10 0821	0824	0826	S19	E34	8408	12	12.9	5	SF		3	E		13			
		10 1145		1308			No Flare Patrol												
0081	RAMY	10 1550	1556	1600	S23	W45	8404	12	7.2	10	SF		3	E		17			
0082	RAMY	10 1739	1742	1746	S24	W47	8404	12	7.1	7	SF		4	E		18			

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Apparent (10-6 Disk)	Measurement Corr (Sq Deg)	Remarks
0083	RAMY	10	1906	1909	1930	S15	E14	8405	12	11.8	24	SF		3	E		11		
		10	2110		2202			No Flare Patrol											
0084	LEAR	10	2348	2349	2353	S22	W51	8404	12	7.1	5	SF		3	E		27		
0085	LEAR	11	0324	0325	0330	S34	E40	8409	12	14.3	6	SF		3	E		16		
0086	LEAR	11	0325	0326	0331	S23	W54	8404	12	7.0	6	SF		3	E		16		
0087	LEAR	11	0333	0334	0343	S23	W54	8404	12	7.0	10	SF		3	E		19		
0088	LEAR	11	0429	0431	0448	S17	E07	8405	12	11.7	19	SF		3	E		48		F
0089	LEAR	11	0542	0601	0614	S22	W55	8404	12	7.0	32	SF		3	E		46		
0090	LEAR	11	0719	0721	0723	S15	E05	8405	12	11.7	4	SF		3	E		11		
0091		11	0909	0917	0930	S14	E04	8405	12	11.7	21	SF					38		F
	KANZ	11	0909	0917	0925	S14	E04	8405	12	11.7	16	SF		2	C				
	LEAR	11	0912	0917	0935	S15	E04	8405	12	11.7	23	SF		2	E		38		F
0092	LEAR	11	0927	0927	0936	S21	E22	8408	12	13.1	9	SF		2	E		11		F
0093	LEAR	11	0955	0956	0958	S19	E19	8408	12	12.9	3	SF		2	E		17		
		11	1035		1139			No Flare Patrol											
0094		11	1147E	1148U	1209	S18	E20	8408	12	13.0	22D	SF					34		F
	RAMY	11	1147E	1148U	1203D	S17	E20	8408	12	13.0	16D	SF		2	E		34		F
	KANZ	11	1157E	1157U	1209	S18	E20	8408	12	13.0	12D	SF		2	C				
0095	SVTO	11	1157E	1216U	1222D	S20	E20	8408	12	13.0	25D	SF		3	E		22		F
0096		11	1653	1656	1706	S19	E16	8408	12	12.9	13	SF					30		F
	RAMY	11	1653	1656	1706	S19	E16	8408	12	12.9	13	SF		3	E		29		
	HOLL	11	1653	1656	1707	S19	E15	8408	12	12.8	14	SF		3	E		32		F
0097		11	1657	1657	1715	S30	E31	8409	12	14.1	18	SF					11		
	HOLL	11	1657	1657	1715	S30	E30	8409	12	14.1	18	SF		3	E		10		
	RAMY	11	1658	1658	1715	S29	E32	8409	12	14.2	17	SF		3	E		12		
0098		11	1729*	17475	1817	S18	E16	8408	12	12.9	48	SF					70		F
	RAMY	11	1729	1752	1819	S19	E17	8408	12	13.0	50	SF		3	E		67		F
	HOLL	11	1740	1747	1815	S18	E14	8408	12	12.8	35	SF		3	E		72		F
0099		11	2009	2010	2016	S29	E30	8409	12	14.2	7	SF					19		F
	HOLL	11	2009	2010	2015	S29	E29	8409	12	14.1	6	SF		3	E		15		
	RAMY	11	2009	2010	2018	S29	E31	8409	12	14.3	9	SF		3	E		23		F
0100	LEAR	12	0205	0208	0216	S20	E13	8408	12	13.1	11	SF		3	E		20		H
0101	LEAR	12	0237	0239	0245	S20	E12	8408	12	13.0	8	SF		3	E		20		H
0102	LEAR	12	0246	0248	0255	S20	E12	8408	12	13.0	9	SF		3	E		17		
0103	LEAR	12	0353	0409	0415	S16	W09	8405	12	11.5	22	SF		3	E		27		H
0104	LEAR	12	0418	0420	0425	S26	E20	8409	12	13.7	7	SF		3	E		21		
0105	LEAR	12	0425	0429	0439	S20	E12	8408	12	13.1	14	SF		3	E		37		
0106	LEAR	12	0511	0513	0519	S28	E21	8409	12	13.8	8	SF		3	E		41		
0107	LEAR	12	0611	0616	0622	S28	E20	8409	12	13.8	11	SF		3	E		10		
0108	LEAR	12	0626	0632	0636	S27	E20	8409	12	13.8	10	SF		3	E		16		E
0109	LEAR	12	0701	0703	0710	S30	E62	8411	12	17.2	9	SF		3	E		15		

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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	Area Measurement			Remarks
																Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0110	LEAR	12	0737	0738	0743	S26	E19	8409	12	13.8	6	SF		3	E		21		
0111		12	09425	09466	1005	S17	W11	8405	12	11.6	23	SF					75		
	KANZ	12	0942	0946	1006	S17	W10	8405	12	11.6	24	SF		2	C				
	LEAR	12	0947	0952	1004	S17	W12	8405	12	11.5	17	SF		2	E		75		
0112	LEAR	12	0943	0943	0946	S17	E07	8408	12	12.9	3	SF		2	E		11		
0113	KANZ	12	0946	0946	0950	S29	E25	8409	12	14.4	4	SF		2	C				
0114	RAMY	12	1250E	1250U	1254D	S29	E26	8409	12	14.6	40	SF		3	E		18		
0115	RAMY	12	1459	1500	1505D	S22	W74	8404	12	6.9	60	SF		3	E		24		
0116	RAMY	12	1603	1603	1613	S18	E04	8408	12	13.0	10	SF		3	E		11		
0117	HOLL	12	1920	1922	1927	S20	W69	8404	12	7.5	7	SF		3	E		37		
0118		12	23048	23111	2320	S20	W72	8404	12	7.4	16	SF					22		
	HOLL	12	2304	2311	2321	S19	W70	8404	12	7.6	17	SF		3	E		29		
	LEAR	12	2312	2312	2319	S22	W73	8404	12	7.3	7	SF		3	E		16		
0119		12	2325	23271	2340	S16	W18	8405	12	11.6	15	1F					112		
	LEAR	12	2325	2327	2341	S16	W18	8405	12	11.6	16	1F		3	E		101		
	HOLL	12	2325	2328	2339	S15	W18	8405	12	11.6	14	1F		3	E		123		
0120	LEAR	13	0149	0150	0153	S18	E01	8408	12	13.1	4	SF		3	E		18		
0121	LEAR	13	0153	0156	0159	S21	W80	8404	12	6.9	6	SF		3	E		99		
0122	LEAR	13	0155	0200	0206	S28	E16	8409	12	14.3	11	SF		3	E		23		
0123	LEAR	13	0432	0436	0450	S16	W04	8408	12	12.9	18	SF		3	E		44		
0124	LEAR	13	0711	0711	0719	S22	W85	8404	12	6.8	8	SF		3	E		90		
0125	SVTO	13	0946	0946	0950	S29	E49	8411	12	17.2	4	SF		3	E		12		F
0126	SVTO	13	1032	1034	1057	S19	W04	8408	12	13.1	25	SF		3	E		50		EF
0127	SVTO	13	1245	1246	1256	S19	W06	8408	12	13.1	11	SF		3	E		26		
0128	SVTO	13	1354	1358	1402	S19	W06	8408	12	13.1	8	SF		3	E		12		
0129	RAMY	13	1532E	1532U	1556D	S16	W10	8408	12	12.9	24D	SF		3	E		25		
0130	HOLL	13	1817	1821	1828	S16	W12	8408	12	12.8	11	SF		3	E		15		F
0131	HOLL	13	2042	2049	2103	S18	W10	8408	12	13.1	21	SF		3	E		48		
0132		14	00072	0010	0020	S19	W12	8408	12	13.1	13	SB					86	0.9	D
	LEAR	14	0007	0010	0029	S19	W12	8408	12	13.1	22	SN		3	E		94		
	MITK	14	0009	0010	0011	S19	W12	8408	12	13.1	2	SB				0010	79	0.9	D
0133	LEAR	14	0152	0153	0201	S16	W14	8408	12	13.0	9	SF		3	E		31		
0134	LEAR	14	0358	0400	0407	S20	W15	8408	12	13.0	9	1F		3	E		100		
		14	0614		0704	No Flare Patrol													
0135		14	07349	07358	0742	S20	W17	8408	12	13.0	8	SF					14		F
	SVTO	14	0734	0735	0739	S19	W17	8408	12	13.0	5	SF		3	E		16		F
	LEAR	14	0743	0743	0746	S20	W17	8408	12	13.0	3	SF		3	E		12		
0136	SVTO	14	0847	0847	0854	S19	W16	8408	12	13.1	7	SF		3	E		12		
0137		14	0941	09431	1008	S18	W20	8408	12	12.9	27	SN					57		F
	LEAR	14	0941	0943	1007	S18	W20	8408	12	12.9	26	SF		2	E		61		F
	SVTO	14	0941	0944	1008	S19	W19	8408	12	12.9	27	SN		3	E		53		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	Obs See	Type	Area Measurement			Remarks
															Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
		14	1115		1231			No Flare Patrol										
0138	RAMY	14	1425	1425	1430	S19	W20	8408	12 13.1	5	SF		3	E		11		
0139	HOLL	14	1654	1655	1703	S18	W24	8408	12 12.9	9	SF		3	E		11		F
		14	2148		2400			No Flare Patrol										
		15	0000		0023			No Flare Patrol										
		15	0052		0116			No Flare Patrol										
		15	0201		0204			No Flare Patrol										
		15	0508		0655			No Flare Patrol										
0140		15	07371	0738	0742	S18	W30	8408	12 13.0	5	SF					19		
	SVTO	15	0737	0738	0742	S17	W31	8408	12 13.0	5	SF		3	E		19		
	LEAR	15	0738	0738	0742	S20	W30	8408	12 13.0	4	SF		3	E		19		
0141		15	08253	08272	0834	S19	W30	8408	12 13.1	9	SF					12		F
	LEAR	15	0825	0829	0835	S20	W30	8408	12 13.0	10	SF		3	E		13		
	KANZ	15	0827	0827	0831	S19	W30	8408	12 13.1	4	SF		2	C				
	SVTO	15	0828	0828	0837	S19	W30	8408	12 13.1	9	SF		3	E		11		F
0142	SVTO	15	1052E	1052U	1055	S28	W15	8409	12 14.3	3D	SF		3	E		17		F
0143		15	1302	1306	1318	N24	E48		12 19.2	16	SF					44		F
	KANZ	15	1302	1306	1314	N24	E47		12 19.2	12	SF		2	C				
	SVTO	15	1309E	1310U	1323	N24	E49		12 19.3	14D	SF		3	E		44		F
0144		15	19255	19264	1940	S18	W38	8408	12 12.9	15	SF					42		
	HOLL	15	1925	1926	1934	S19	W37	8408	12 13.0	9	SF		3	E		38		
	RAMY	15	1930	1930	1945	S18	W38	8408	12 12.9	15	SF		3	E		45		
0145	RAMY	15	2040E	2041U	2049D	S18	W36	8408	12 13.1	9D	SF		2	E		14		
0146	LEAR	16	0133	0133	0141	N21	E21	8410	12 17.7	8	SF		3	E		20		F
0147	LEAR	16	0208	0209	0217	S19	W40	8408	12 13.0	9	SF		3	E		28		
0148		16	10453	1047	1057	S25	W32	8409	12 14.0	12	SN					52		
	SVTO	16	1045	1047	1057	S25	W33	8409	12 13.9	12	SF		3	E		52		
	KANZ	16	1048	1048U	1048D	S25	W32	8409	12 14.0	12D	SN		2	C				
0149	SVTO	16	1200	1203	1209	S28	W28	8409	12 14.3	9	SF		3	E		15		
0150	KANZ	16	1200	1204	1208	S27	W36	8406B	12 13.7	8	SF		2	C				
0151	KANZ	16	1241	1241	1253	N25	E35		12 19.2	12	SF		2	C				
0152		16	16122	16131	1632	S18	W50	8408	12 12.9	20	SF					16		
	RAMY	16	1612	1613	1630D	S18	W50	8408	12 12.9	18D	SF		3	E		16		
	HOLL	16	1614	1614	1632	S17	W50	8408	12 12.9	18	SF		3	E		16		
0153		16	1905	19082	1924	S28	W40	8409	12 13.7	19	SN					34		
	HOLL	16	1905	1908	1923	S28	W39	8409	12 13.7	18	SF		3	E		32		
	RAMY	16	1905	1910	1925	S28	W40	8409	12 13.7	20	SN		4	E		36		
0154	HOLL	16	2153	2201	2227	S18	W53	8408	12 12.9	34	1F		3	E		111		
0155	LEAR	17	0213	0216	0219	S16	W55	8408	12 12.9	6	SF		3	E		10		F
0156	LEAR	17	0226	0229	0241	S17	W54	8408	12 13.0	15	SF		3	E		74		
0157	SVTO	17	0742	0747	0812	S28	W38	8409	12 14.3	30	1B		3	E		141		
0158	LEAR	17	0743	0746	0804	S27	W46	8409	12 13.7	21	1N		3	E		116		
0159		17	1101	1101	1109	S28	W48	8409	12 13.7	8	SF					11		
	SVTO	17	1101	1101	1105	S28	W50	8409	12 13.5	4	SF		3	E		11		
	KANZ	17	1101	1101U	1113	S27	W47	8409	12 13.8	12	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	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0160		17	1125	1125U	1133	S28	W47	8409	12	13.8	8	SF					28		
	RAMY	17	1124E	1125U	1131D	S29	W47	8409	12	13.8	7D	SF		2	E		28		
	KANZ	17	1125	1125U	1133	S28	W47	8409	12	13.8	8	SF		2	C				
0161		17	1240	1241	1244	S30	W49	8409	12	13.7	4	SF					12		
	RAMY	17	1240	1241	1244	S30	W48	8409	12	13.7	4	SF		3	E		14		
	SVTO	17	1240	1241	1245	S29	W50	8409	12	13.6	5	SF		3	E		11		
0162	RAMY	17	1339	1344	1348	N19	E78	8415	12	23.5	9	SF		3	E		63		H
0163		17	1416	1416	1442	S27	W48	8409	12	13.8	26	SN					78		F
	HOLL	17	1415E	1415U	1442	S26	W45	8409	12	14.1	27D	SF		2	E		71		
	RAMY	17	1416	1416	1442	S28	W51	8409	12	13.6	26	SN		3	E		85		F
0164	RAMY	17	1425	1425	1428	N19	E78	8415	12	23.5	3	SF		3	E		14		
0165	RAMY	17	1459	1501	1504	S29	W50	8409	12	13.7	5	SF		3	E		18		
0166	RAMY	17	1548	1549	1551	S30	W46	8409	12	14.0	3	SF		3	E		26		
0167	HOLL	17	1716	1717	1722	N19	E79	8415	12	23.7	6	SF		3	E		24		
0168		17	1739I	1751	1802	N18	E73	8415	12	23.3	23	1N					114		
	HOLL	17	1739	1751	1802	N17	E70	8415	12	23.0	23	1F		3	E		119		
	RAMY	17	1740	1751	1759D	N19	E76	8415	12	23.5	19D	1N		3	E		109		
0169	HOLL	17	1808	1840	1911	S16	W66	8408	12	12.7	63	SF		3	E		62		
0170	HOLL	17	1812	1813	1828	S28	W53	8409	12	13.6	16	SF		3	E		31		
0171	HOLL	17	1841	1843	1849	N19	E75	8415	12	23.5	8	SF		3	E		30		
0172	HOLL	17	1900	1902	1914	N19	E75	8415	12	23.5	14	SF		3	E		26		
0173	HOLL	17	1956	1957	2005	N19	E75	8415	12	23.5	9	SF		3	E		47		
0174	HOLL	17	2043	2055	2102	N19	E73	8415	12	23.4	19	SF		3	E		43		
		17	2237		2245	No Flare Patrol													
0175	HOLL	17	2246	2246	2251	N19	E72	8415	12	23.4	5	SF		3	E		22		
0176		17	2253	2301	2315	N18	E72	8415	12	23.4	22	1F					130		
	HOLL	17	2253	2301	2315	N19	E71	8415	12	23.4	22	1F		3	E		123		
	LEAR	17	2254E	2302U	2315	N17	E72	8415	12	23.4	21D	1F		1	E		136		
0177	LEAR	18	0127	0127	0130	S31	W54	8409	12	13.8	3	SF		3	E		20		
0178	LEAR	18	0302	0305	0315	N18	E71	8415	12	23.5	13	SF		3	E		67		
0179	LEAR	18	0344	0346	0400	N18	E69	8415	12	23.4	16	SF		3	E		68		
0180	LEAR	18	0354	0357	0402	S27	W64	8406	12	13.2	8	SF		3	E		15		
0181	LEAR	18	0450	0453	0500	N19	E69	8415	12	23.5	10	SF		3	E		15		
0182	LEAR	18	0527	0527	0529	N18	E69	8415	12	23.5	2	SF		3	E		13		
0183		18	0748*	0751*	0804	N19	E70	8415	12	23.7	16	SF					24		F
	SVTO	18	0748	0751	0759	N19	E73	8415	12	23.9	11	SF		3	E		19		F
	LEAR	18	0805	0806	0810	N19	E67	8415	12	23.4	5	SF		3	E		28		
0184	SVTO	18	0804	0806	0812	N19	E69	8415	12	23.6	8	SF		3	E		21		
0185	KANZ	18	0923	0923	0932	N35	E44		12	21.9	9	SF		2	C				
0186		18	0937I	0939I	0944	N19	E67	8415	12	23.5	7	SF					28		
	LEAR	18	0937	0939	0943	N19	E68	8415	12	23.6	6	SF		3	E		28		
	KANZ	18	0940	0940	0944	N19	E66	8415	12	23.4	4	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	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0187		18	0944	0945	0952	S30	W55	8409	12	14.1	8	SF					30		F
	SVTO	18	0944	0945	0952	S30	W57	8409	12	13.9	8	SF		3	E		30		F
	KANZ	18	0944	0948	0952	S31	W53	8409	12	14.2	8	SF		2	C				
0188		18	1251	1252	1256	S28	W65	8409	12	13.4	5	SF					18		H
	SVTO	18	1251	1252	1256	S28	W68	8409	12	13.2	5	SF		3	E		20		
	RAMY	18	1251	1253	1257	S29	W66	8409	12	13.4	6	SF		4	E		15		H
	KANZ	18	1252	1252	1256	S27	W62	8409	12	13.7	4	SF		2	C				
0189	SVTO	18	1333	1338	1342	N18	E67	8415	12	23.7	9	SF		3	E		17		
0190		18	1344	1345	1356	N18	E66	8415	12	23.6	12	SF					23		F
	SVTO	18	1344	1345	1401	N18	E66	8415	12	23.6	17	SF		2	E		25		F
	RAMY	18	1346	1346	1350	N19	E67	8415	12	23.7	4	SF		4	E		21		
0191		18	1532	1535	1544	N20	E64	8415	12	23.5	12	SF					26		
	RAMY	18	1532	1535	1545	N20	E63	8415	12	23.5	13	SF		3	E		22		
	HOLL	18	1533	1535	1544	N19	E64	8415	12	23.5	11	SF		3	E		29		
0192		18	1601	1601*	1616	N19	E66	8415	12	23.7	15	SF					22		
	RAMY	18	1601	1601	1616	N19	E66	8415	12	23.7	15	SF		3	E		22		
	HOLL	18	1601	1611	1616	N19	E65	8415	12	23.6	15	SF		3	E		21		
0193		18	1714	1726	2000	N28	E34	8414	12	21.4	166	1F					165		U
	RAMY	18	1714	1726	1951	N29	E33	8414	12	21.3	157	1F		3	E		167		U
	HOLL	18	1720	1726	2010	N28	E35	8414	12	21.4	170	1F		3	E		163		U
0194		18	1717	1720	1845	N20	E66	8415	12	23.8	88	2B					410		FHU
	HOLL	18	1717	1722	1845	N19	E64	8415	12	23.6	88	2N		3	E		451		F
	RAMY	18	1718	1720	1755D	N21	E69	8415	12	24.0	37D	2B		3	E		368		UH
0195		18	2028	2029	2032	N20	E60	8415	12	23.4	4	SF					14		
	HOLL	18	2028	2029	2032	N20	E60	8415	12	23.4	4	SF		3	E		13		
	RAMY	18	2028	2029	2033	N19	E60	8415	12	23.4	5	SF		3	E		16		
0196	HOLL	18	2118	2119	2123	N20	E68	8415	12	24.1	5	SF		3	E		15		
0197	HOLL	18	2150	2151	2155	N20	E67	8415	12	24.0	5	SF		3	E		18		
0198	HOLL	18	2228	2232	2240	N20	E66	8415	12	24.0	12	SF		3	E		11		
0199	HOLL	18	2233	2235	2237	N23	W16	8410	12	17.7	4	SF		3	E		11		
0200	SVTO	19	0949	0950	0952	S27	W84	8406	12	12.9	3	SF		3	E		17		
0201		19	1004	1005	1010	S30	W72	8409	12	13.7	6	SF					26		
	SVTO	19	1004	1005	1009	S30	W75	8409	12	13.5	5	SF		3	E		26		
	KANZ	19	1006	1006	1010	S30	W69	8409	12	14.0	4	SF		2	C				
0202	KANZ	19	1056	1056	1100	S28	W74	8409	12	13.7	4	SF		2	C				
0203		19	1425	1428	1454D	N20	E54	8415	12	23.7	29D	SF					32		
	SVTO	19	1425	1428	1428D	N19	E54	8415	12	23.7	3D	SF		3	E		24		
	RAMY	19	1426E	1440U	1454D	N20	E55	8415	12	23.8	28D	SF		3	E		40		
		19	1533		1558	No Flare Patrol													
		19	1654		1827	No Flare Patrol													
0204	RAMY	19	1835	1835	1838	N19	E57	8415	12	24.1	3	SF		3	E		17		
		19	1923		2014	No Flare Patrol													
		19	2027		2203	No Flare Patrol													
0205	LEAR	19	2315	2325	2332	N20	E50	8415	12	23.8	17	SF		3	E		21		
0206	LEAR	20	0415	0417	0439	N24	W33	8410	12	17.6	24	SF		3	E		25		
0207	LEAR	20	0442	0447	0454	N24	W33	8410	12	17.6	12	SF		3	E		17		

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Time (UT)	Area Apparent (10 ⁻⁶ Disk)	Measurement Corr (Sq Deg)	Remarks
0208	LEAR	20	0511	0525	0535	N20	E44	8415	12	23.6	24	SF		3	E		14		
0209	LEAR	20	0557	0557	0607	N18	E44	8415	12	23.6	10	SF		4	E		16		F
0210		20	08463	08581	0916	N20	E46	8415	12	23.9	30	1N					128		
	SVTO	20	0846	0858	0921D	N20	E45	8415	12	23.8	35D	1N		3	E		151		
	LEAR	20	0849	0859	0916	N21	E46	8415	12	23.9	27	1N		3	E		105		
		20	1108		1314														No Flare Patrol
		20	1321		1330														No Flare Patrol
		20	1336		1340														No Flare Patrol
		20	1509		1531														No Flare Patrol
0211	RAMY	20	1854	1854	1857	N18	E73	8416	12	26.3	3	SF		3	E		11		
0212		20	20271	2028	2034	N19	E86	8416	12	27.4	7	SF					24		
	RAMY	20	2027	2028	2036	N18	E83	8416	12	27.2	9	SF		3	E		23		
	HOLL	20	2028	2028	2033	N20	E89	8416	12	27.7	5	SF		3	E		25		
0213	HOLL	20	2157	2158	2204	N20	E89	8416	12	27.7	7	SF		3	E		34		
0214	VORO	21	0131	0140	0159	N24	W75		12	15.3	28	SF		3	C	0140	54	0.1	
		21	1048		1251														No Flare Patrol
		21	1300		1325														No Flare Patrol
0215	RAMY	21	1333	1333	1343	N19	E63	8416	12	26.4	10	SF		3	E		37		
		21	1356		1359														No Flare Patrol
0216	RAMY	21	1533	1543	1552	N20	E61	8416	12	26.3	19	SF		3	E		17		
0217	RAMY	21	1621	1624	1626	N20	E61	8416	12	26.3	5	SF		3	E		10		
		21	1812		1929														No Flare Patrol
0218	RAMY	21	1836E	1837U	1850D	N20	E62	8416	12	26.5	14D	SF		2	E		28		
		21	1941		1951														No Flare Patrol
0219	HOLL	21	1942E	1942U	2015D	N21	E26	8415	12	23.8	33D	SF		3	E		32		
		21	2052		2114														No Flare Patrol
0220	RAMY	21	2123E	2125U	2127D	N18	E20	8415	12	23.4	4D	SF		2	E		12		
		21	2143		2236														No Flare Patrol
		21	2320		2322														No Flare Patrol
0221	LEAR	22	0912	0915	0920	N16	E48	8416	12	26.0	8	SF		3	E		14		F
		22	1051		1117														No Flare Patrol
		22	1147		1207														No Flare Patrol
		22	1225		1229														No Flare Patrol
		22	1250		1301														No Flare Patrol
		22	1315		1322														No Flare Patrol
0222		22	15321	1533	1537	N18	E11	8415	12	23.5	5	SF					20		
	RAMY	22	1532	1533	1538	N18	E11	8415	12	23.5	6	SF		3	E		27		
	HOLL	22	1533	1533	1536	N19	E11	8415	12	23.5	3	SF		3	E		14		
0223	RAMY	22	1825	1834	1843	N19	E58	8416	12	27.2	18	SF		3	E		22		
0224		22	2046*	2114	2119	N18	E09	8415	12	23.5	33	SN					37		
	RAMY	22	2046	2111U	2120D	N18	E08	8415	12	23.5	34D	SN		2	E		42		
	HOLL	22	2111	2114	2119	N19	E10	8415	12	23.6	8	SF		3	E		32		
0225	HOLL	22	2048	2050	2106	N19	E08	8415	12	23.5	18	SF		3	E		42		

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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		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0226	LEAR	23	0230	0231	0252	N26	W23	8414	12	21.3	22	SF		3	E		28		F
0227	LEAR	23	0308	0309	0314	N26	W23	8414	12	21.3	6	SF		3	E		19		F
0228	KANZ	23	1034	1034	1042	N18	E43	8416	12	26.7	8	SF		2	C				
		23	1359		1417	No Flare Patrol													
		23	1440		1451	No Flare Patrol													
		23	1509		1514	No Flare Patrol													
		23	1601		1617	No Flare Patrol													
		23	1642		1658	No Flare Patrol													
0229	HOLL	23	1800	1800	1813	N28	E86	8421	12	30.5	13	SF		3	E		21		
		23	1805		1813	No Flare Patrol													
0230	RAMY	23	1812E	1812U	1841D	N19	E36	8416	12	26.5	29D	SF		2	E		28		FS
		23	1914		1933	No Flare Patrol													
0231	RAMY	23	2000	2002	2007	N26	E30	8419	12	26.2	7	SF		3	E		20		H
		23	2126		2207	No Flare Patrol													
0232	LEAR	24	0122	0126	0156	N19	E32	8416	12	26.5	34	SF		3	E		73		F
0233	LEAR	24	0437	0441	0444	N17	E31	8416	12	26.5	7	SF		4	E		13		
0234	LEAR	24	0813	0822	0831	N17	E29	8416	12	26.5	18	SF		4	E		17		
0235	LEAR	24	0820	0823	0826	N28	E73	8421	12	30.0	6	SF		4	E		14		
		24	1132		1136	No Flare Patrol													
0236		24	1140	1147U	1229D	N28	E76	8421	12	30.4	49D	SF					68		
	SVTO	24	1140	1148U	1229D	N29	E79	8421	12	30.7	49D	SF		3	E		68		
	RAMY	24	1143E	1147U	1213D	N28	E73	8421	12	30.2	30D	SF		3	E		69		
		24	1217		1231	No Flare Patrol													
		24	1245		1339	No Flare Patrol													
		24	1347		1359	No Flare Patrol													
0237		24	1904	1910	1924	N17	E22	8416	12	26.5	20	SF					32		
	HOLL	24	1904	1910	1922	N17	E22	8416	12	26.5	18	SF		3	E		26		
	RAMY	24	1911E	1911U	1925	N17	E22	8416	12	26.5	14D	SF		3	E		39		
0238	HOLL	24	2048	2122	2216	N28	E62	8421	12	29.7	88	1F		3	E		166		
0239	LEAR	25	0031	0031	0040	N28	E60	8421	12	29.7	9	SF		3	E		13		
0240	LEAR	25	0541	0541	0546	N29	E58	8421	12	29.8	5	SF		3	E		17		
0241	LEAR	25	0614	0630	0705	N30	E66	8421	12	30.4	51	SF		3	E		70		
		25	1046		1105	No Flare Patrol													
		25	1127		1235	No Flare Patrol													
0242	HOLL	25	1803	1804	1809	N30	E58	8421	12	30.3	6	SF		3	E		14		
0243	RAMY	25	1833	1833	1836	N25	E01	8419	12	25.8	3	SF		3	E		13		
0244	HOLL	25	2005	2006	2013	N29	E57	8421	12	30.3	8	SF		3	E		15		
0245	HOLL	25	2050	2051	2058	N29	E59	8421	12	30.5	8	SF		3	E		26		
0246	LEAR	26	0137	0137	0149	N29	E56	8421	12	30.4	12	SF		3	E		15		E
0247	LEAR	26	0337	0337	0341	N29	E54	8421	12	30.4	4	SF		4	E		14		

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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		Remarks
																Apparent (10-6 Disk)	Corr (Sq Deg)	
0248	LEAR	26	0510	0511	0520	N28	E52	8421	12 30.3	10	SF		4	E		41		E
0249	LEAR	26	0558	0558	0602	S21	E64	8422	12 31.1	4	SF		4	E		38		
0250	LEAR	26	0922	0924	0929	N27	E53	8421	12 30.5	7	SF		3	E		22		F
0251	KANZ	26	1217	1217	1221	N27	E41	8421	12 29.7	4	SF		2	C				
0252		26	14472	14561	1550	N26	E47	8421	12 30.3	63	1F					88		EF
	RAMY	26	1447	1457	1559	N25	E46	8421	12 30.2	72	1F		3	E		102		FE
	HOLL	26	1449	1456	1541	N27	E48	8421	12 30.3	52	SF		3	E		74		F
0253	HOLL	26	1619	1619	1623	N32	E53	8421	12 30.9	4	SF		3	E		17		F
0254		26	16286	16341	1648	N26	W08	8419	12 26.1	20	SF					34		
	HOLL	26	1628	1634	1645	N27	W08	8419	12 26.1	17	SF		3	E		19		
	RAMY	26	1634	1635	1652	N26	W08	8419	12 26.1	18	SF		3	E		49		
0255	RAMY	26	1634	1635	1639	N26	E42	8421	12 29.9	5	SF		3	E		11		
0256	RAMY	26	1705	1710	1716	N28	E44	8421	12 30.1	11	SF		3	E		15		
0257		26	17111	1713	1717	N20	W36	8415	12 24.0	6	SF					22		
	RAMY	26	1711	1713	1718	N20	W36	8415	12 24.0	7	SF		3	E		28		
	HOLL	26	1712	1713	1716	N21	W36	8415	12 23.9	4	SF		3	E		17		
0258	RAMY	26	1721	1721	1727	N21	W09	8416	12 26.0	6	SF		3	E		13		
0259		26	18231	18252	1854	N26	W10	8419	12 26.0	31	SF					52		
	HOLL	26	1823	1827	1853	N26	W10	8419	12 26.0	30	SF		3	E		61		
	RAMY	26	1824	1825	1854	N25	W09	8419	12 26.1	30	SF		3	E		42		
0260		26	19201	19204	1930	N28	E47	8421	12 30.5	10	SF					14		
	RAMY	26	1920	1920	1931	N27	E47	8421	12 30.5	11	SF		3	E		10		
	HOLL	26	1921	1924	1930	N28	E47	8421	12 30.5	9	SF		3	E		18		
0261		26	19351	19391	1950	N28	E46	8421	12 30.4	15	SF					20		
	RAMY	26	1935	1939	1952	N27	E46	8421	12 30.4	17	SF		3	E		21		
	HOLL	26	1936	1940	1948	N28	E46	8421	12 30.4	12	SF		3	E		20		
0262	RAMY	26	2030	2030	2033	N18	W39	8415	12 23.9	3	SF		3	E		10		
0263		26	20312	20373	2119	N26	W10	8419	12 26.1	48	SF					46		
	HOLL	26	2031	2040	2119	N27	W10	8419	12 26.1	48	SF		3	E		40		
	RAMY	26	2033	2037	2102D	N25	W10	8419	12 26.1	29D	SF		3	E		51		
		26	2156		2220	No Flare Patrol												
0264	LEAR	26	2338	2344	2403	N26	W11	8419	12 26.1	25	SF		4	E		67		F
0265	LEAR	27	0117	0117	0124	N26	W11	8419	12 26.2	7	SF		4	E		33		F
0266	LEAR	27	0131	0134	0140	N26	W14	8419	12 26.0	9	SF		4	E		31		E
0267	LEAR	27	0310	0312	0322	N26	E37	8421	12 30.0	12	SF		4	E		59		EF
0268	LEAR	27	0420	0421	0430	N26	W15	8419	12 26.0	10	SF		4	E		15		E
0269	LEAR	27	0459	0507	0510	N28	E37	8421	12 30.1	11	SF		4	E		15		F
0270	LEAR	27	0522	0524	0527	N28	E37	8421	12 30.1	5	SF		4	E		15		F
0271	LEAR	27	0555	0556	0601	N28	E37	8421	12 30.1	6	SF		4	E		25		F
0272	LEAR	27	0650	0652	0700	N26	E38	8421	12 30.2	10	SF		4	E		15		
0273		27	09161	09173	0932	N26	E36	8421	12 30.2	16	SF					22		EF
	LEAR	27	0916	0920	0936	N28	E35	8421	12 30.1	20	SF		4	E		22		FE
	KANZ	27	0917	0917	0929	N25	E36	8421	12 30.2	12	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	Obs See	Type	Time (UT)	Area Measurement Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	Remarks
0274	RAMY	27	1542	1542	1546	S24	E39	8422	12 30.7	4	SF		3	E		12		
0275	RAMY	27	1759	1801U	1805D	N15	W90		12 20.9	6D	SF		3	E		38		
0276	RAMY	27	1808	1810	1815	S25	E38	8422	12 30.7	7	SF		3	E		25		S
		27	1819		1845	No Flare Patrol												
0277	HOLL	27	2015	2018	2033	N30	E33	8421	12 30.4	18	SF		3	E		47		
0278	HOLL	27	2153	2153	2157	N21	W19	8416	12 26.4	4	SF		3	E		21		
0279	LEAR	27	2340	2342	2346	N21	W30	8423	12 25.7	6	SF		3	E		19		
0280	LEAR	27	2355	2358	2419	N18	W19	8416	12 26.5	24	SF		3	E		41		
0281	LEAR	28	0047	0054	0103	N25	W24	8419	12 26.2	16	SF		3	E		11		
0282	LEAR	28	0056	0059	0101	N27	E25	8421	12 30.0	5	SF		3	E		11		F
0283	VORO	28	0151E	0153	0158	N26	W25	8419	12 26.1	7D	SN		3	C	0153	36		
0284	LEAR	28	0233	0317	0328	N25	W26	8419	12 26.1	55	SF		3	E		20		
0285	LEAR	28	0357	0403	0438	N25	W26	8419	12 26.1	41	SF		4	E		21		F
0286	LEAR	28	0446	0506	0520	N25	W27	8419	12 26.1	34	SF		4	E		17		
0287	LEAR	28	0516	0521	0633	N28	E26	8421	12 30.2	77	SF		4	E		62		EH
0288	LEAR	28	0635	0637	0640	N27	E24	8421	12 30.1	5	SF		4	E		11		
0289	LEAR	28	0536	0548	0623	N25	W27	8419	12 26.1	47	1B		4	E		118		EZ
0290	LEAR	28	0547	0547	0620	N22	W27	8416	12 26.2	33	SF		4	E		69		E
0291	LEAR	28	0618	0626	0659	S22	E31	8422	12 30.6	41	SF		4	E		65		E
0292		28	08424	08451	0850	N24	W30	8419	12 26.0	8	SF					22		F
	SVTO	28	0842	0845	0851	N24	W30	8419	12 26.0	9	SF		3	E		24		F
	LEAR	28	0843	0845	0850	N24	W30	8419	12 26.0	7	SF		4	E		21		
	KANZ	28	0846	0846	0850	N24	W30	8419	12 26.0	4	SF		2	C				
0293		28	0934*	09371	0950	N24	W31	8419	12 26.0	16	SF					24		E
	KANZ	28	0934	0938	0950	N25	W32	8419	12 25.9	16	SF		2	C				
	LEAR	28	0935	0937	0949	N25	W32	8419	12 25.9	14	SF		3	E		13		E
	SVTO	28	0949	0950U	0955D	N23	W29	8419	12 26.2	6D	SF		3	E		35		
0294		28	10211	1030	1039	N25	W32	8419	12 25.9	18	SF					24		F
	SVTO	28	1021	1030	1040	N25	W30	8419	12 26.1	19	SF		3	E		24		F
	KANZ	28	1022	1030	1038	N25	W34	8419	12 25.8	16	SF		2	C				
0295	KANZ	28	1106	1106	1110	N24	W31	8423	12 26.1	4	SF		2	C				
0296		28	1150	11571	1218	N26	W34	8419	12 25.8	28	1F					75		
	RAMY	28	1149E	1157	1221	N26	W35	8419	12 25.8	32D	SF		3	E		75		
	KANZ	28	1150	1158	1214	N25	W34	8419	12 25.8	24	1F		2	C				
0297	SVTO	28	1312	1313	1315	N24	W33	8419	12 26.0	3	SF		3	E		13		F
0298	SVTO	28	1359	1402U	1406D	N26	E21	8421	12 30.2	7D	SF		3	E		19		
		28	1406		1513	No Flare Patrol												
0299	RAMY	28	1515	1517	1539	S20	E27	8422	12 30.7	24	SF		3	E		31		
0300	RAMY	28	1525	1527	1544	N27	E17	8421	12 30.0	19	SF		3	E		40		

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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		Remarks
																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0301		28	17151	1718	1743	N24	W34	8419	12	26.1	28	1N					110		FH
	RAMY	28	1715	1718	1741D	N23	W34	8419	12	26.1	26D	1N		3	E		106		H
	HOLL	28	1716	1718	1743	N24	W34	8419	12	26.1	27	1F		3	E		115		F
		28	1737		1742	No Flare Patrol													
		28	1802		1809	No Flare Patrol													
0302		28	18114	18132	1828	N24	W34	8419	12	26.1	17	SF					29		
	HOLL	28	1811	1813	1833	N25	W33	8419	12	26.2	22	SF		3	E		26		
	RAMY	28	1815	1815	1823	N24	W34	8419	12	26.1	8	SF		3	E		32		
		28	1856		1859	No Flare Patrol													
		28	1911		1930	No Flare Patrol													
0303	HOLL	28	2149	2150	2155	N26	E13	8421	12	29.9	6	SF		3	E		22		
0304	HOLL	28	2211	2214	2224	N26	W41	8419	12	25.7	13	SF		3	E		24		
0305		28	2235*	23235	2435	N26	E13	8421	12	29.9	120	1F					157		
	HOLL	28	2235	2328	2356D	N26	E12	8421	12	29.9	81D	1F		3	E		175		
	LEAR	28	2301	2323	2435	N27	E14	8421	12	30.0	94	1F		3	E		139		
0306	HOLL	28	2324	2335	2356D	N24	W36	8419	12	26.2	32D	1F		3	E		148		
0307	LEAR	29	0044	0044	0048	N27	E14	8421	12	30.1	4	SF		3	E		25		
0308	LEAR	29	0059	0102	0105	N27	E14	8421	12	30.1	6	SF		3	E		15		
0309	LEAR	29	0120	0124	0133	N24	E11	8421	12	29.9	13	SF		3	E		23		
0310	LEAR	29	0218	0221	0223	N25	W38	8419	12	26.1	5	SF		3	E		20		F
0311	LEAR	29	0231	0233	0236	N25	E09	8421	12	29.8	5	SF		3	E		11		F
0312	LEAR	29	0552	0552	0607	N27	W42	8419	12	26.0	15	SF		4	E		17		
0313	LEAR	29	0552	0554	0600	N24	E07	8421	12	29.8	8	SF		4	E		24		E
0314	LEAR	29	0601	0605	0607	N24	E07	8421	12	29.8	6	SF		4	E		15		
0315	LEAR	29	0608	0610	0613	N25	E09	8421	12	29.9	5	SF		4	E		16		
0316	LEAR	29	0619	0624	0627	N26	E10	8421	12	30.0	8	SF		4	E		17		E
0317		29	07412	0743	0751	N26	E10	8421	12	30.1	10	SF					27		EF
	LEAR	29	0741	0743	0751	N26	E10	8421	12	30.1	10	SF		4	E		28		E
	SVTO	29	0741	0743	0752	N26	E10	8421	12	30.1	11	SF		3	E		26		F
	KANZ	29	0743	0743	0751	N26	E10	8421	12	30.1	8	SF		2	C				
0318		29	08341	08381	0848	N25	W42	8419	12	26.1	14	SF					29		
	SVTO	29	0834	0838	0852	N26	W43	8419	12	26.0	18	SF		3	E		29		
	KANZ	29	0835	0839	0843	N24	W40	8419	12	26.3	8	SF		2	C				
0319	SVTO	29	0855	0904	0911	N27	W45	8419	12	25.9	16	SF		3	E		18		
0320	LEAR	29	0926	0929	1006	N27	E13	8421	12	30.4	40	SF		2	E		51		
0321		29	0828*	09363	1031	N26	E02	8421	12	29.5	123	SF					99		F
	SVTO	29	0828	0939	1042	N24	E05	8421	12	29.7	134	SF		3	E		99		F
	KANZ	29	0927	0936	1020	N27	W01	8421	12	29.3	53	SF		2	C				
0322		29	10102	10122	1017	N26	W41	8419	12	26.2	7	SF					28		E
	SVTO	29	1010	1014	1018	N26	W41	8419	12	26.2	8	SF		3	E		30		
	KANZ	29	1012	1012	1016	N26	W40	8419	12	26.3	4	SF		2	C				
	LEAR	29	1012	1014	1017	N25	W41	8419	12	26.2	5	SF		2	E		25		E
0323	KANZ	29	1012	1016	1024	N25	W11	8420	12	28.6	12	SF		2	C				
0324	LEAR	29	1006	1010	1013	N27	E09	8421	12	30.1	7	SF		2	E		32		

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Dec 98

H α S O L A R F L A R E S

DECEMBER 1998

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	Area Measurement			Remarks
													Time (UT)	Apparent (10 ⁻⁶ Disk)	Corr (Sq Deg)	
0325	LEAR	29	1014	1016	1018	N28	E11	8421	12 30.3	4	SF	2 E		16		
0326	SVTO	29	1056	1109	1119D	N24	E04	8421	12 29.8	230	SF	3 E		15		
0327		29	11071	1112	1132	S20	E16	8422	12 30.7	25	SF			38		F
	SVTO	29	1107	1113U	1142D	S20	E17	8422	12 30.8	350	SF	3 E		38		F
	KANZ	29	1108	1112	1132	S20	E16	8422	12 30.7	24	SF	2 C				
0328	SVTO	29	1210	1216	1219	N24	E07	8421	12 30.0	9	SF	3 E		11		
0329		29	1222*	12311	1248	N24	E06	8421	12 30.0	26	SF			55		
	SVTO	29	1222	1231	1300	N24	E06	8421	12 30.0	38	SF	3 E		55		
	KANZ	29	1232	1232	1236	N23	E07	8421	12 30.1	4	SF	2 C				
0330		29	1304	1304I	1312	N24	E04	8421	12 29.8	8	SF			83		
	SVTO	29	1303E	1305	1331D	N24	E06	8421	12 30.0	280	SF	3 E		83		
	KANZ	29	1304	1304	1312	N24	E03	8421	12 29.8	8	SF	2 C				
		29	1400		1420	No Flare Patrol										
0331	HOLL	29	1509	1509	1515	N27	E08	8421	12 30.2	6	SF	2 E		13		
0332	HOLL	29	1518	1552	1641	N27	E06	8421	12 30.1	83	SF	3 E		63		
0333	HOLL	29	1647	1719	1736	N25	E01	8421	12 29.8	49	SF	3 E		35		
0334	HOLL	29	1824	1824	1836	N27	E05	8421	12 30.1	12	SF	3 E		36		
0335	HOLL	29	1952	2028	2042	N25	E01	8421	12 29.9	50	SF	3 E		38		
0336	HOLL	29	2059	2118	2129	N27	E02	8421	12 30.0	30	SF	3 E		44		
0337	HOLL	29	2231	2232	2237	N29	E04	8421	12 30.2	6	SF	3 E		20		
0338	HOLL	29	2255	2257	2304	N28	E06	8421	12 30.4	9	SF	3 E		42		
0339	LEAR	29	2329	2331	2333	N26	E00	8421	12 30.0	4	SF	3 E		23		
0340	LEAR	30	0138	0138	0145	N27	E01	8421	12 30.1	7	SF	3 E		13		
0341	LEAR	30	0149	0150	0155	N24	W06	8421	12 29.6	6	SF	3 E		24		
0342	LEAR	30	0238	0240	0245	N27	W01	8421	12 30.0	7	SF	3 E		24		
0343	LEAR	30	0528	0530	0532	N27	W01	8421	12 30.1	4	SF	3 E		22		
0344	LEAR	30	0532	0539	0630	N28	E03	8421	12 30.5	58	SF	3 E		97		EF
0345		30	07464	07501	0755	N27	W03	8421	12 30.1	9	SF			38		F
	KANZ	30	0746	0750	0754	N27	W03	8421	12 30.1	8	SF	2 C				
	LEAR	30	0750	0751	0754	N26	W03	8421	12 30.1	4	SF	3 E		39		
	SVTO	30	0750	0751	0756	N27	W02	8421	12 30.2	6	SF	3 E		37		F
0346	KANZ	30	0758	0758	0802	N24	W56	8423	12 26.0	4	SF	2 C				
0347		30	08244	0829	0834	N27	W02	8421	12 30.2	10	SF			17		
	SVTO	30	0824	0829	0838	N27	W02	8421	12 30.2	14	SF	3 E		24		
	LEAR	30	0828	0829	0831	N27	W03	8421	12 30.1	3	SF	3 E		10		
0348	LEAR	30	0940	0940	0944	N27	W04	8421	12 30.1	4	SF	2 E		22		
0349	LEAR	30	1016	1017	1020	N27	W04	8421	12 30.1	4	SF	2 E		20		
0350	KANZ	30	1102	1106	1110	N23	W58	8423	12 26.0	8	SF	2 C				
0351		30	1218	12251	1257	N28	W04	8421	12 30.2	39	SF			29		
	RAMY	30	1218	1225	1256	N27	W05	8421	12 30.1	38	SF	3 E		29		
	KANZ	30	1218	1226	1258	N28	W02	8421	12 30.3	40	SF	2 C				

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/	CMP	Dur	Imp	Obs	Time	Area Measurement		Remarks	
								USAF Region						Mo	Day		(Min)
0352	RAMY	30	1507	1508	1512	N24	W12	8421	12	29.7	5	SF		3	E	17	
0353	RAMY	30	1515	1520	1547D	N24	W10	8421	12	29.9	32D	SF		3	E	24	
		30	1531		1546	No	Flare	Patrol									
		30	1612		1644	No	Flare	Patrol									
		30	1707		1725	No	Flare	Patrol									
0354		30	1807	1807	1856	N27	W08	8421	12	30.1	49	SF				32	F
	HOLL	30	1807	1807	1856	N28	W06	8421	12	30.3	49	SF	3	E		23	F
	RAMY	30	1807E	1808U	1809D	N26	W11	8421	12	29.9	2D	SF	3	E		42	F
		30	1829		1853	No	Flare	Patrol									
		30	1902		1913	No	Flare	Patrol									
		30	1920		1935	No	Flare	Patrol									
		30	1939		1943	No	Flare	Patrol									
		30	1947		2101	No	Flare	Patrol									
0355	HOLL	30	2058	2100	2102	N26	W12	8421	12	29.9	4	SF		3	E	10	
		30	2358		2400	No	Flare	Patrol									
		31	0000		0020	No	Flare	Patrol									
0356	LEAR	31	0054	0055	0104D	N27	W12	8421	12	30.1	10D	1F		3	E	125	
		31	0105		0109	No	Flare	Patrol									
0357	LEAR	31	0132	0138	0148	N27	W12	8421	12	30.1	16	SF		3	E	25	
0358	LEAR	31	0412E	0414U	0416D	N28	W11	8421	12	30.3	4D	SF		3	E	72	
		31	0502		0705	No	Flare	Patrol									
0359	SVTO	31	0719	0719	0725	N25	W19	8421	12	29.8	6	SF		2	E	17	F
0360		31	08322	08391	0852	N27	W19	8421	12	29.9	20	SF				73	F
	KANZ	31	0832	0840	0852	N27	W17	8421	12	30.0	20	SF	2	C			
	SVTO	31	0834	0839	0849D	N27	W21	8421	12	29.7	15D	SF	3	E		73	F
0361	LEAR	31	0936	0939	0944	N27	W16	8421	12	30.1	8	SF		2	E	13	F
0362		31	09491	09491	1005	N26	W21	8421	12	29.8	16	SF				20	
	SVTO	31	0949	0949	1006	N28	W22	8421	12	29.7	17	SF	3	E		21	
	LEAR	31	0949	0950	1003	N25	W21	8421	12	29.8	14	SF	2	E		19	
	KANZ	31	0950	0950	1006	N24	W21	8421	12	29.8	16	SF	2	C			
0363	LEAR	31	1015	1015	1019	N27	W17	8421	12	30.1	4	SF		2	E	17	
0364		31	11531	11571	1202	N26	W23	8421	12	29.7	9	SF				12	
	SVTO																