Hα SOLAR FLARES

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp	Opt	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		01	1015		1043	No Flare Patrol														
0001	SVTO	01	1201E	1202U	1217	N17	E43	8375	11	4.8	16D	SF			3	E		28		F
0002	RAMY	01	1220	1220	1259	N16	E44	8375	11	4.8	39	SF			3	E		29		H
0003	RAMY	01	1321	1322	1327	S25	E25	8373	11	3.5	6	SF			3	E		17		F
		01	1446		1506	No Flare Patrol														
		01	1511		1551	No Flare Patrol														
		01	1636		1637	No Flare Patrol														
0004	HOLL	01	1643	1643	1652	S27	E58		11	6.2	9	SF			3	E		12		F
		02	0908		0921	No Flare Patrol														
0005	KANZ	02	0958	0958	1002	S29	E53		11	6.6	4	SF			2	C				
		02	1012		1016	No Flare Patrol														
		02	1026		1030	No Flare Patrol														
0006	KANZ	02	1155	1203	1219	S28	E52		11	6.6	24	SF			2	C				
0007		02	1243*	13582	1541	S26	E46		11	6.1	178	1F						164		FU
	KANZ	02	1243	1400	1408D	S27	E49		11	6.3	85D	1F			2	C				U
	RAMY	02	1348	1358	1518	S25	E45		11	6.1	90	1F			3	E		109		UF
	SVTO	02	1354E	1359U	1412D	S26	E47		11	6.2	18D	1F			3	E		162		UF
	HOLL	02	1402E	1406U	1604	S25	E44		11	6.0	122D	1N			3	E		220		UF
0008	HOLL	02	2017	2021	2029	N19	E16	8375	11	4.1	12	SF			3	E		13		
0009	URUM	03	0151E	0152	0157	N13	E13	8375	11	4.0	6D	SN				P		32	0.3	D
		03	1013		1023	No Flare Patrol														
		03	1029		1033	No Flare Patrol														
		03	1035		1049	No Flare Patrol														
0010		03	1330	1331	1335	N18	E07	8375	11	4.1	5	SF						16		H
	SVTO	03	1330	1331	1335	N20	E06	8375	11	4.0	5	SF			3	E		19		H
	RAMY	03	1330	1331	1335	N17	E08	8375	11	4.2	5	SF			4	E		13		H
0011	HOLL	03	1753	1756	1811	N18	E05	8375	11	4.1	18	SF			3	E		43		
0012		03	1832	1833	1836	N16	E08	8375	11	4.4	4	SF						56		
	HOLL	03	1832	1833	1836	N17	E08	8375	11	4.4	4	SF			3	E		54		
	RAMY	03	1832	1833	1836	N16	E09	8375	11	4.4	4	SF			3	E		58		
0013		03	1852	1924	2024	N20	E02	8375	11	3.9	92	1N						202		
	HOLL	03	1852	1924	2028	N21	E02	8375	11	3.9	96	2N			3	E		388		
	RAMY	03	2013E	2014U	2021	N20	E02	8375	11	4.0	8D	SF			2	E		16		
0014	HOLL	03	2135	2138	2140	N16	E06	8375	11	4.3	5	SF			3	E		22		
0015	HOLL	03	2336	2338	2342	N15	E01	8375	11	4.0	6	SF			3	E		27		
0016	LEAR	04	0033	0034	0037	N16	E05	8375	11	4.4	4	SF			3	E		20		
0017	URUM	04	0157	0200	0212	N17	E00	8375	11	4.1	15	SN				C		48	0.5	D
0018		04	0314	03175	0348	N17	W00	8375	11	4.1	34	SN						124	2.0	EH
	LEAR	04	0314	0317	0407	N17	E01	8375	11	4.2	53	SF			3	E		56		EH
	URUM	04	0318E	0322	0330	N17	W02	8375	11	4.0	12D	SB				P		193	2.0	E
0019	URUM	04	0330	0346	0350	N14	E13	8375	11	5.1	20	SB				C		161	1.7	E
0020	LEAR	04	0615	0620	0627	N17	W01	8375	11	4.2	12	SF			3	E		14		
0021	LEAR	04	0717	0719	0746	N17	W01	8375	11	4.2	29	SF			3	E		34		

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0022		04	0853	0902	0916	N18	W04	8375	11	4.1	23	SF					56		EFH
	LEAR	04	0853	0902	0916	N17	W03	8375	11	4.1	23	SF		3	E		26		EH
	SVTO	04	0855E	0906U	0916D	N18	W05	8375	11	4.0	21D	SF		2	E		86		F
0023	LEAR	04	0925	0925	0934	S28	E23	8376	11	6.2	9	SF		3	E		14		
		04	1013		1143	No Flare Patrol													
		04	1157		1201	No Flare Patrol													
0024	RAMY	04	1205	1206	1209	N15	W01	8375	11	4.4	4	SF		3	E		29		
0025	RAMY	04	1206	1208	1222	S19	W22	8379	11	2.8	16	SF		3	E		13		
0026	RAMY	04	1225	1231	1404	N16	W04	8375	11	4.2	99	1N		3	E		131		FH
0027	RAMY	04	1312	1312	1319	S19	W23	8379	11	2.8	7	SF		3	E		10		
0028		04	1525*	1548	1603	N18	W08	8375	11	4.0	38	SF					28		F
	HOLL	04	1525	1548	1605	N18	W08	8375	11	4.0	40	SF		3	E		30		F
	RAMY	04	1545	1548	1601	N17	W07	8375	11	4.1	16	SF		3	E		25		
0029		04	1623	1625	1634	N12	E67	8378	11	9.7	11	SF					27		
	RAMY	04	1623	1625	1633	N12	E67	8378	11	9.7	10	SF		3	E		19		
	HOLL	04	1623	1625	1634	N13	E67	8378	11	9.7	11	SF		3	E		35		
0030	HOLL	04	2002	2005	2011	N18	W11	8375	11	4.0	9	SF		3	E		96		
0031	HOLL	04	2208	2210	2230	N19	W08	8375	11	4.3	22	1F		3	E		105		
0032	HOLL	04	2242	2247	2256	N13	E64	8378	11	9.8	14	SF		3	E		64		
0033	HOLL	04	2242	2243	2254	N16	W12	8375	11	4.0	12	SF		3	E		25		
0034	LEAR	04	2344	2525	2532	N19	W10	8375	11	4.2	108	SN		3	E		95		T
0035	LEAR	05	0133	0134	0142	N19	W10	8375	11	4.3	9	SF		3	E		12		
0036	LEAR	05	0236	0236	0249	S29	E14	8376	11	6.2	13	SF		3	E		12		
0037		05	0259	03011	0307	N18	W12	8375	11	4.2	8	SN					84	1.4	D
	LEAR	05	0259	0302	0308	N19	W11	8375	11	4.3	9	SF		3	E		40		
	URUM	05	0301E	0301	0306	N17	W12	8375	11	4.2	5D	SB			P		129	1.4	D
0038	LEAR	05	0457	0459	0503	N19	W12	8375	11	4.3	6	SN		3	E		46		
0039	LEAR	05	0608	0615	0620	N16	W14	8375	11	4.2	12	SF		3	E		37		
0040	LEAR	05	0644	0644	0649	N19	W13	8375	11	4.3	5	SF		3	E		16		
0041	LEAR	05	0655	0656	0700	N19	W13	8375	11	4.3	5	SF		3	E		33		
0042	LEAR	05	0804	0806	0812	N19	W13	8375	11	4.3	8	SF		3	E		58		
0043	LEAR	05	0845	0847	0851	N19	W14	8375	11	4.3	6	SF		3	E		16		
0044	LEAR	05	0901	0902	0904	N19	W14	8375	11	4.3	3	SF		3	E		26		
0045	LEAR	05	0923	0923	0926	N16	W16	8375	11	4.2	3	SF		3	E		22		
0046	LEAR	05	0944	0945	0949	S23	E66	8380	11	10.5	5	SF		2	E		31		E
		05	1002		1038	No Flare Patrol													
0047	RAMY	05	1051E	1052U	1106	N16	W15	8375	11	4.3	15D	SF		2	E		14		
0048		05	1108	1109	1123	N16	W15	8375	11	4.3	15	SF					18		
	RAMY	05	1108	1109	1123	N16	W15	8375	11	4.3	15	SF		2	E		18		
	KANZ	05	1113E		1117D	N15	W15	8375	11	4.3	4D	SF		2	C				

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0049	RAMY	05	1138E	1139U	1158	N15	W17	8375	11	4.2	20D	SF		3	E		35		H
0050	RAMY	05	1303	1305	1321	N16	W17	8375	11	4.2	18	SF		3	E		35		
0051		05	1333	1335	1352	N15	W17	8375	11	4.3	19	1N					177		H
	RAMY	05	1333	1335	1345	N15	W17	8375	11	4.3	12	1B		3	E		177		H
	KANZ	05	1340E		1400	N15	W17	8375	11	4.3	20D	SF		2	C				
0052	HOLL	05	1510	1511	1515	N17	W15	8375	11	4.5	5	SF		3	E		10		
		05	1700		1725	No Flare Patrol													
		05	1729		1839	No Flare Patrol													
0053	HOLL	05	1831E	1950	2334D	N22	W18	8375	11	4.4	303D	2B		3	E		464		T
0054	HOLL	05	2101	2107	2115	S18	W41	8379	11	2.7	14	SF		3	E		28		
0055	HOLL	05	2157	2159	2212	S21	E58	8380	11	10.4	15	SF		3	E		21		
0056	LEAR	05	2215E	2219U	2239	N19	W21	8375	11	4.3	24D	SF		2	E		23		
0057	HOLL	05	2248	2249	2302	S18	W42	8379	11	2.7	14	SF		3	E		39		
0058	LEAR	05	2255	2301	2317	N19	W22	8375	11	4.3	22	SF		3	E		81		
0059	HOLL	05	2313	2314	2317	N11	E48	8378	11	9.6	4	SF		3	E		32		
0060		06	0242	02433	0254	N18	W26	8375	11	4.1	12	SN					61	0.8	E
	LEAR	06	0242	0243	0254	N19	W24	8375	11	4.3	12	SF		3	E		58		
	URUM	06	0242	0246	0253	N18	W28	8375	11	4.0	11	SB			C		64	0.8	E
0061	LEAR	06	0307	0307	0310	N19	W24	8375	11	4.3	3	SF		3	E		20		
0062	LEAR	06	0417	0417	0421	N19	W24	8375	11	4.3	4	SF		3	E		18		
0063	LEAR	06	0442	0446	0448	N19	W25	8375	11	4.3	6	SF		3	E		16		
0064	LEAR	06	0452	0458	0502	N19	W25	8375	11	4.3	10	SF		3	E		17		
0065		06	05087	05193	0528	N20	W26	8375	11	4.2	20	SN					70	1.1	D
	LEAR	06	0508	0522	0528	N19	W25	8375	11	4.3	20	SF		3	E		44		
	URUM	06	0515	0519	0527	N21	W26	8375	11	4.2	12	SB			C		96	1.1	D
0066	URUM	06	0756E	0756	0800	N10	W32		11	3.9	4D	SF			P		80	1.0	D
0067		06	07525	07591	0803	N20	W26	8375	11	4.3	11	SF					16		
	KANZ	06	0752	0800	0804	N19	W25	8375	11	4.4	12	SF		2	C				
	LEAR	06	0757	0759	0802	N20	W26	8375	11	4.3	5	SF		3	E		16		
0068		06	08311	08321	0838	N17	W29	8375	11	4.1	7	SN					126	2.6	E
	LEAR	06	0831	0833	0837	N19	W27	8375	11	4.3	6	SF		3	E		44		
	URUM	06	0832E	0832	0836	N18	W32	8375	11	3.9	4D	1B			P		209	2.6	E
	KANZ	06	0832	0832	0840	N15	W28	8375	11	4.2	8	SF		2	C				
0069		06	0852	0852	0856	N19	W31	8375	11	4.0	4	SN					130	2.9	E
	KANZ	06	0852	0852	0856	N18	W30	8375	11	4.1	4	SF		2	C				
	URUM	06	0852E	0852	0856	N19	W35	8375	11	3.7	4D	1B			P		225	2.9	E
	LEAR	06	0852	0852	0857	N19	W27	8375	11	4.3	5	SF		3	E		34		
0070		06	09081	09103	0921	N16	W29	8375	11	4.2	13	SN					210	3.9	DH
	URUM	06	0908	0912U	0912D	N15	W31	8375	11	4.0	4D	1B			P		321	3.9	D
	KANZ	06	0908	0913	0917	N15	W28	8375	11	4.3	9	SF		2	C				
	LEAR	06	0909	0910	0925	N19	W27	8375	11	4.3	16	SN		3	E		99		H
0071		06	0929	0929	0935	N19	W26	8375	11	4.4	6	SF					12		
	KANZ	06	0929	0929	0933	N19	W25	8375	11	4.5	4	SF		2	C				
	LEAR	06	0929	0929	0937	N19	W27	8375	11	4.3	8	SF		3	E		12		
0072	KANZ	06	0933	0937	0941	N14	W28	8375	11	4.3	8	SF		2	C				

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0073	KANZ	06	1025E	1029	1041	N16	W29	8375	11	4.2	16D	SF	2		C				
0074		06	1109	1109	1118	N16	W29	8375	11	4.3	9	SN					31		H
	KANZ	06	1109	1109	1117	N15	W29	8375	11	4.3	8	SF	2		C				
	RAMY	06	1109E	1110U	1119	N16	W29	8375	11	4.3	10D	SN	2		E		31		H
0075		06	12032	12041	1219	N15	W30	8375	11	4.2	16	SN					66		FH
	RAMY	06	1203	1204	1217	N15	W30	8375	11	4.2	14	SB	3		E		71		H
	SVTO	06	1204	1207U	1227	N15	W30	8375	11	4.2	23	SF	2		E		61		F
	KANZ	06	1205	1205	1213	N15	W29	8375	11	4.3	8	SF	2		C				
0076		06	13152	13171	1323	N15	W30	8375	11	4.3	8	SF					12		
	RAMY	06	1315	1318	1321	N15	W31	8375	11	4.2	6	SF	3		E		12		
	KANZ	06	1317	1317	1325	N15	W30	8375	11	4.3	8	SF	2		C				
0077		06	13174	13232	1340	N22	E26	8377	11	8.5	23	SF					17		
	KANZ	06	1317	1325	1341	N22	E27	8377	11	8.6	24	SF	2		C				
	RAMY	06	1321	1323	1339	N21	E26	8377	11	8.5	18	SF	3		E		17		
0078		06	15101	1511	1528	N15	W32	8375	11	4.2	18	1N					150		
	RAMY	06	1510	1511	1533	N15	W32	8375	11	4.2	23	1B	3		E		149		
	HOLL	06	1511	1511	1523	N15	W33	8375	11	4.1	12	1F	3		E		151		
0079	RAMY	06	1624	1624	1641	N19	W30	8375	11	4.4	17	SF	3		E		10		
0080	HOLL	06	1825	1825	1836	N18	W37	8375	11	3.9	11	SF	3		E		12		
0081		06	1849	18501	1857	N15	W35	8375	11	4.1	8	SF					46		
	RAMY	06	1849	1850	1856	N15	W35	8375	11	4.1	7	SF	3		E		44		
	HOLL	06	1849	1851	1858	N15	W35	8375	11	4.1	9	SF	3		E		47		
0082	RAMY	06	1903	1903	1916	N20	E24	8377	11	8.6	13	SF	3		E		10		
0083		06	1919	19201	1923	N14	W36	8375	11	4.1	4	SF					20		F
	HOLL	06	1919	1920	1923	N14	W37	8375	11	4.0	4	SF	3		E		24		F
	RAMY	06	1919	1921	1923	N14	W36	8375	11	4.1	4	SF	3		E		15		
0084	HOLL	06	1920	1921	1923	S20	W53	8379	11	2.7	3	SF	3		E		12		
0085		06	19551	1958	2006	N19	W34	8375	11	4.2	11	1F					88		F
	HOLL	06	1955	1958	2007	N19	W34	8375	11	4.2	12	1F	3		E		118		F
	RAMY	06	1956	1958	2004	N19	W33	8375	11	4.3	8	SF	3		E		58		
0086	HOLL	06	2007	2008	2016	S20	W54	8379	11	2.7	9	SF	3		E		12		
0087	HOLL	06	2046	2046	2053	N17	W36	8375	11	4.1	7	SF	3		E		12		
0088	HOLL	06	2057	2102	2111	N17	W36	8375	11	4.1	14	SF	3		E		15		F
0089	HOLL	06	2110	2110	2118	S20	W54	8379	11	2.7	8	SF	3		E		14		
0090	HOLL	06	2207	2211	2227	N13	E39	8378	11	9.9	20	SF	3		E		10		
0091	HOLL	06	2210	2219	2226	S19	W56	8379	11	2.6	16	SF	3		E		11		
0092	HOLL	06	2202	2209	2226	N15	W37	8375	11	4.1	24	SN	3		E		98		
0093	HOLL	06	2229	2229	2235	N16	W35	8375	11	4.3	6	SF	3		E		20		F
0094	HOLL	06	2241	2254	2300	N19	W35	8375	11	4.3	19	SF	3		E		25		
0095		06	23012	23031	2313	N20	W34	8375	11	4.3	12	SF					28		
	HOLL	06	2301	2304	2314	N20	W34	8375	11	4.3	13	SF	3		E		40		
	LEAR	06	2303	2303	2312	N19	W34	8375	11	4.4	9	SF	3		E		15		
0096	HOLL	06	2314	2325	2331	N18	W36	8375	11	4.2	17	SF	3		E		14		
0097		06	23331	2334	2339	N14	W34	8375	11	4.4	6	SF					60		
	HOLL	06	2333	2334	2339	N14	W34	8375	11	4.4	6	SF	3		E		66		
	LEAR	06	2334	2334	2339	N15	W33	8375	11	4.5	5	SF	3		E		55		

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0098		06	23292	23364	2350	N20	E20	8377	11	8.5	21	SF					66		EF
	HOLL	06	2329	2336	2359D	N20	E20	8377	11	8.5	30D	SF		3	E		91		
	LEAR	06	2331	2340	2350	N20	E21	8377	11	8.6	19	SF		3	E		41		FE
0099	LEAR	07	0112	0112	0115	N19	W36	8375	11	4.3	3	SF		3	E		22		
0100	LEAR	07	0202	0203	0206	N19	W36	8375	11	4.3	4	SF		3	E		23		
0101		07	05454	05492	0558	N16	W42	8375	11	4.0	13	SN					42	1.0	E
	URUM	07	0545	0549	0601	N18	W45	8375	11	3.8	16	SN			C		64	1.0	E
	LEAR	07	0549	0551	0554	N15	W40	8375	11	4.2	5	SF		4	E		21		E
0102	URUM	07	0656	0700	0704	N15	W45	8375	11	3.9	8	SN			C		64	0.9	E
0103	KANZ	07	0928	0928	0932	N20	E18	8377	11	8.8	4	SF		2	C				
0104	KANZ	07	0944	0944	0956	N15	W41	8375	11	4.3	12	SF		2	C				
0105	KANZ	07	1048	1052	1056	N13	W45	8375	11	4.0	8	SF		2	C				
0106	KANZ	07	1104	1108	1116	N14	W43	8375	11	4.2	12	SN		2	C				
0107	KANZ	07	1216	1216	1216	N19	W40	8375	11	4.4	12	SF		2	C				
0108		07	14142	1416	1418	N21	W44	8375	11	4.2	4	SF					13		
	HOLL	07	1414	1416	1420	N20	W44	8375	11	4.2	6	SF		3	E		13		
	KANZ	07	1416	1416	1416	N22	W44	8375	11	4.2	6	SF		2	C				
0109	HOLL	07	1426	1426	1436	N19	W44	8375	11	4.2	10	SF		3	E		12		F
0110		07	16034	16081	1618	N16	W46	8375	11	4.2	15	SF					21		F
	HOLL	07	1603	1609	1621	N18	W46	8375	11	4.2	18	SF		3	E		25		F
	RAMY	07	1607	1608	1616	N14	W46	8375	11	4.2	9	SF		3	E		17		
0111		07	1659	17001	1707	N18	W44	8375	11	4.3	8	SF					12		F
	RAMY	07	1659	1700	1707	N18	W43	8375	11	4.4	8	SF		3	E		12		
	HOLL	07	1659	1701	1707	N19	W45	8375	11	4.3	8	SF		3	E		13		F
0112		07	1742	17499	1814	N19	W48	8375	11	4.1	32	1F					98		F
	HOLL	07	1742	1749	1814	N19	W48	8375	11	4.1	32	1F		3	E		109		F
	RAMY	07	1742	1758	1813	N19	W47	8375	11	4.1	31	SF		3	E		88		F
0113	HOLL	07	1829	1830	1832	N19	W47	8375	11	4.2	3	SF		3	E		19		F
0114	HOLL	07	1934	1934	1945	N22	W48	8375	11	4.1	11	SF		3	E		16		F
0115		07	20091	2018	2032	S20	W68	8379	11	2.6	23	SF					34		F
	RAMY	07	2009	2018	2035	S20	W67	8379	11	2.7	26	SF		3	E		47		F
	HOLL	07	2010	2018	2028	S20	W68	8379	11	2.6	18	SF		3	E		21		F
0116	HOLL	07	2042	2043	2047	N19	W47	8375	11	4.3	5	SF		3	E		19		
0117	HOLL	07	2142	2142	2146	N19	W47	8375	11	4.3	4	SF		3	E		15		
0118	LEAR	08	0151	0152	0203	N22	W49	8375	11	4.3	12	SF		3	E		21		
0119		08	02191	02212	0234	N18	W54	8375	11	4.0	15	SF					37	0.9	E
	URUM	08	0219	0223	0235	N20	W54	8375	11	4.0	16	SF			C		48	0.9	E
	LEAR	08	0220	0221	0233	N15	W54	8375	11	4.0	13	SF		3	E		26		
0120	LEAR	08	0235	0236	0238	N20	W51	8375	11	4.2	3	SF		3	E		25		F
0121	LEAR	08	0311	0314	0317	N20	W53	8375	11	4.1	6	SF		3	E		26		E
0122		08	04242	0428*	0500	N20	W54	8375	11	4.0	36	1N					120	1.9	EFH
	URUM	08	0424	0428	0456	N21	W57	8375	11	3.8	32	SB			C		96	1.9	E
	LEAR	08	0426	0439	0505	N20	W52	8375	11	4.2	39	1F		3	E		145		FH

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0123		08	05123	05151	0519	N24	W50	8375	11	4.3	7	1N					94	2.9	D
	URUM	08	0512	0516	0520	N24	W52	8375	11	4.2	8	1N			C		161	2.9	D
	LEAR	08	0515	0515	0518	N23	W49	8375	11	4.4	3	SF		3	E		26		
0124	LEAR	08	0733	0734	0736	N19	W53	8375	11	4.3	3	SF		3	E		15		
0125		08	09131	09142	0930	N20	W52	8375	11	4.4	17	SF					18		H
	LEAR	08	0913	0916	0930	N21	W53	8375	11	4.3	17	SF		3	E		18		H
	KANZ	08	0914	0914	0930	N20	W52	8375	11	4.4	16	SF		2	C				
		08	1014		1027	No Flare Patrol													
0126	KANZ	08	1121E	1121U	1133D	S26	W30	8376	11	6.1	12D	SF		2	C				
0127	RAMY	08	1253	1254	1258	N15	W61	8375	11	3.9	5	SF		3	E		24		
0128	RAMY	08	1316	1322	1340	S22	W70	8373	11	3.2	24	1F		3	E		135		
0129		08	1337	1337	1404	N16	W58	8375	11	4.2	27	SF					40		F
	RAMY	08	1337	1337	1344	N14	W58	8375	11	4.2	7	SF		3	E		13		
	HOLL	08	1344E	1344U	1425	N18	W57	8375	11	4.2	41D	SF		2	E		67		F
0130		08	1427*	17122	1833	N19	W58	8375	11	4.2	246	2B					354		FHT
	HOLL	08	1427	1712	1921	N19	W58	8375	11	4.2	294	2B		3	E		480		FT
	RAMY	08	1708	1714	1745	N19	W58	8375	11	4.3	37	1N		3	E		227		FH
0131	RAMY	08	1529	1626	1651	N20	W59	8375	11	4.1	82	SF		3	E		68		
0132	RAMY	08	1750	1847	1905	N19	W60	8375	11	4.2	75	SF		3	E		45		
0133		08	19391	19412	1949	N20	W60	8375	11	4.2	10	SF					16		
	RAMY	08	1939	1943	1948	N20	W59	8375	11	4.3	9	SF		3	E		12		
	HOLL	08	1940	1941	1950	N20	W60	8375	11	4.2	10	SF		3	E		20		
0134		08	19561	20036	2056	N20	W58	8375	11	4.4	60	1F					101		F
	RAMY	08	1956	2009	2055	N20	W59	8375	11	4.3	59	1F		3	E		106		F
	HOLL	08	1957	2003	2056	N21	W57	8375	11	4.5	59	SF		3	E		96		
0135	HOLL	08	2112	2212	2219	N22	W59	8375	11	4.3	67	SF		3	E		38		
0136	HOLL	08	2155	2158	2203	S28	W35	8376	11	6.2	8	SF		3	E		17		
0137		08	22442	22486	2323	N20	W62	8375	11	4.2	39	1F					164		E
	HOLL	08	2244	2254	2331D	N20	W63	8375	11	4.1	47D	1F		3	E		183		
	LEAR	08	2246	2248	2323	N21	W61	8375	11	4.3	37	1F		3	E		144		E
0138		08	23207	23285	2350	N18	E16	8378	11	10.2	30	SF					48		FHS
	HOLL	08	2320	2328	2331D	N18	E14	8378	11	10.0	11D	SF		3	E		52		S
	LEAR	08	2327	2333	2350	N19	E17	8378	11	10.3	23	SF		3	E		45		FH
0139	LEAR	09	0002	0003	0019	N22	W61	8375	11	4.3	17	SF		3	E		22		
0140	LEAR	09	0022	0029	0056	N19	W62	8375	11	4.3	34	SF		3	E		32		
0141	LEAR	09	0122	0129	0151	N17	W61	8375	11	4.4	29	SF		4	E		97		E
0142	URUM	09	0242	0246	0249	N23	W65	8375	11	4.1	7	SF			C		48		D
0143	LEAR	09	0258	0310	0332	N19	W63	8375	11	4.3	34	SF		4	E		33		
0144	LEAR	09	0527	0528	0530	N19	W65	8375	11	4.3	3	SF		3	E		15		
		09	1003		1412	No Flare Patrol													
0145	HOLL	09	1441	1443	1448	N23	W68	8375	11	4.4	7	SF		3	E		13		
0146	HOLL	09	1453	1455	1506	N23	W69	8375	11	4.3	13	SF		3	E		71		
0147	HOLL	09	1506	1509	1517	N19	W70	8375	11	4.3	11	SF		3	E		22		

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		09	1530		1541	No Flare Patrol														
		09	1559		1639	No Flare Patrol														
		09	1713		2214	No Flare Patrol														
0148	LEAR	09	2219	2223	2226	N19	W74	8375	11	4.3	7	SF		3	E			97		
0149	LEAR	09	2326	2327	2332	N24	W71	8375	11	4.5	6	SF		3	E			44		
0150	LEAR	10	0003	0006	0009	N24	W71	8375	11	4.5	6	SF		3	E			37		
0151	LEAR	10	0013	0015	0020	N21	W75	8375	11	4.2	7	1N		3	E			100		
0152	LEAR	10	0157	0157	0201	N21	W61	8375	11	5.4	4	SF		3	E			22		
0153	LEAR	10	0225	0225	0228	S16	E58	8383	11	14.5	3	SF		3	E			19		
0154	LEAR	10	0539	0541	0546	N21	W63	8375	11	5.4	7	SF		3	E			27		
0155	LEAR	10	0652	0653	0657	N21	W64	8375	11	5.4	5	SF		3	E			32		
0156	KANZ	10	0922E	0922U	0926	N22	W72	8375	11	4.8	4D	SF		2	C					
		10	1016		1159	No Flare Patrol														
		10	1205		1224	No Flare Patrol														
0157	RAMY	10	1328	1332	1337	N20	W81	8375	11	4.4	9	SF		3	E			47		
		10	1342		1345	No Flare Patrol														
0158	HOLL	10	1429	1429	1435	N19	W83	8375	11	4.3	6	SF		3	E			18		
0159	HOLL	10	1442	1444	1447	N22	W76	8375	11	4.8	5	SF		3	E			21		
0160	HOLL	10	1452	1453	1459	N23	W77	8375	11	4.7	7	SF		3	E			23		F
0161	HOLL	10	1523	1545	1609	N23	W77	8375	11	4.7	46	SF		3	E			59		
		10	1629		1653	No Flare Patrol														
0162	RAMY	10	1635	1635	1655	N23	W22	8377	11	9.0	20	SF		3	E			11		
0163		10	18141	1815	1823	N22	W80	8375	11	4.6	9	SN						28		
	HOLL	10	1814	1815	1824	N23	W81	8375	11	4.5	10	SF		3	E			30		
	RAMY	10	1815	1815	1822	N20	W80	8375	11	4.6	7	SN		3	E			26		
0164	HOLL	10	1830	1831	1838	N23	W80	8375	11	4.6	8	SF		3	E			16		
0165	HOLL	10	1935	1935	1939	N23	W79	8375	11	4.7	4	SF		3	E			24		
0166		10	2047	2051	2058	N22	W82	8375	11	4.6	11	SN						49		
	RAMY	10	2047E	2048U	2058	N21	W81	8375	11	4.6	11D	SN		3	E			39		
	HOLL	10	2047	2051	2058	N23	W84	8375	11	4.4	11	SN		3	E			59		
0167	LEAR	11	0135	0136	0138	N25	W85	8375	11	4.5	3	SF		3	E			23		H
0168	LEAR	11	0159	0201	0211	N24	W84	8375	11	4.6	12	SF		3	E			56		
0169	LEAR	11	0212	0215	0218	N25	W86	8375	11	4.4	6	SF		3	E			67		
0170	LEAR	11	0707	0708	0716	N22	W71	8375	11	5.8	9	SF		3	E			33		
0171		11	0954	09561	1000	N24	W80	8375	11	5.2	6	SF						16		
	KANZ	11	0953E	0957	1001	N24	W78	8375	11	5.4	8D	SF		2	C					
	LEAR	11	0954	0956	0959	N24	W81	8375	11	5.1	5	SF		3	E			16		
0172	RAMY	11	1133E	1134U	1144	S15	E50	8383	11	15.3	11D	SF		2	E			13		
		11	1207		1213	No Flare Patrol														
		11	1327		1330	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	Xray	Obs See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0173	KANZ	11	1351	1355U	1407	S32	E57	8384	11	16.1	16	SF			2	C				
0174		11	1423	14231	1430	N23	W84	8375	11	5.1	7	SF						18		
	HOLL	11	1423	1423	1429	N23	W82	8375	11	5.3	6	SF			3	E		21		
	RAMY	11	1423	1424	1431	N23	W86	8375	11	5.0	8	SF			3	E		16		
0175	LEAR	12	0526	0528	0546	N21	W34	8385	11	9.6	20	1N			4	E		108		EH
0176	LEAR	12	0535	0537	0541	S16	E36	8383	11	15.0	6	SF			3	E		18		
0177		12	0708	0708	0715	S16	E40	8383	11	15.3	7	SF						28		
	LEAR	12	0708	0708	0715	S16	E39	8383	11	15.2	7	SF			3	E		32		
	KANZ	12	0708	0708	0716	S16	E41	8383	11	15.4	8	SF			2	C				
	SVTO	12	0708E	0709U	0715	S15	E39	8383	11	15.2	7D	SF			3	E		23		
		12	1637		1648	No Flare Patrol														
		12	1725		2205	No Flare Patrol														
0178	HOLL	12	2155	2200	2210	N19	W44	8385	11	9.5	15	SF			3	E		10		
0179	LEAR	12	2301	2307	2311	N22	W55	8385	11	8.7	10	SF			3	E		18		F
0180	LEAR	12	2352	2354	2405	N19	W44	8385	11	9.6	13	SF			3	E		69		F
0181	LEAR	13	0312	0312	0319	S16	E27	8383	11	15.2	7	SF			3	E		20		
0182		13	0812	08163	0825	N19	W51	8385	11	9.4	13	SF						42		
	KANZ	13	0812	0816	0824	N18	W51	8385	11	9.4	12	SF			2	C				
	LEAR	13	0812	0819	0826	N20	W51	8385	11	9.4	14	SF			3	E		42		
0183	KANZ	13	1136	1140	1148	N19	W52	8385	11	9.5	12	SF			2	C				
0184	KANZ	13	1304	1308	1312	N20	W53	8385	11	9.5	8	SF			2	C				
		13	1556		1612	No Flare Patrol														
		13	1626		1654	No Flare Patrol														
0185	HOLL	13	2058	2059	2128	N19	W59	8385	11	9.4	30	SF			3	E		55		
0186	LEAR	14	0518	0519	0522	N24	W69	8377	11	8.9	4	SF			3	E		11		
0187	LEAR	14	0518	0519	0529	N20	W60	8385	11	9.6	11	SF			3	E		43		
0188	LEAR	14	0545	0546	0553	S15	E13	8383	11	15.2	8	SF			3	E		22		
0189	LEAR	14	0641	0642	0653	N20	W62	8385	11	9.5	12	SF			3	E		19		
0190		14	08472	08491	0858	N20	W62	8385	11	9.6	11	SF						75		
	LEAR	14	0847	0850	0900	N20	W63	8385	11	9.5	13	SF			3	E		75		
	KANZ	14	0849	0849	0857	N20	W61	8385	11	9.7	8	SF			2	C				
0191		14	10112	1011	1014	N22	E52	8388	11	18.4	3	SF						16		
	SVTO	14	1011	1011	1014	N22	E50	8388	11	18.3	3	SF			3	E		16		
	KANZ	14	1013	1013U	1013D	N22	E53	8388	11	18.5	3D	SF			2	C				
		14	1016		1020	No Flare Patrol														
		14	1030		1037	No Flare Patrol														
		14	1159		1210	No Flare Patrol														
0192	RAMY	14	1440	1440	1448	S15	E06	8383	11	15.1	8	SF			3	E		36		
0193	HOLL	14	1955	1957	1959	N19	W71	8377	11	9.4	4	SF			3	E		12		
0194	HOLL	14	2334	2335	2339	S30	E17	8384	11	16.3	5	SF			3	E		15		
0195	LEAR	15	0455	0456	0459	N20	W69	8385	11	9.9	4	SF			3	E		27		
		15	1019		1059	No Flare Patrol														
		15	1104		1114	No Flare Patrol														
		16	1008		1046	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	Xray	See	Obs Type	Area Measurement Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
		17	0000		0013	No Flare Patrol														
0196	KANZ	17	0915	0915	0931	S14	W41	8383	11	14.3	16	SF			2	C				
		17	1142		1352	No Flare Patrol														
		17	2055		2201	No Flare Patrol														
		17	2209		2224	No Flare Patrol														
		18	0000		0204	No Flare Patrol														
		18	0419		0609	No Flare Patrol														
		19	1659		1703	No Flare Patrol														
		19	2030		2046	No Flare Patrol														
		19	2050		2149	No Flare Patrol														
		20	1029		1059	No Flare Patrol														
		20	2041		2232	No Flare Patrol														
		20	2236		2338	No Flare Patrol														
		20	2344		2356	No Flare Patrol														
		21	0040		0126	No Flare Patrol														
		21	0949		1045	No Flare Patrol														
0197	LEAR	22	0114	0116	0118	S17	E24	8391	11	23.9	4	SF			3	E		11		
		22	1012		1058	No Flare Patrol														
		22	1113		1139	No Flare Patrol														
0198	LEAR	23	0650	0653	0702	S28	W89	8384	11	16.3	12	SF			3	E		50		
		23	1026		1150	No Flare Patrol														
0199	RAMY	23	1151E	1153U	1325	S23	E58	8392	11	28.0	94D	1N			2	E		185		F
		23	1238		1316	No Flare Patrol														
		23	1335		1352	No Flare Patrol														
0200	RAMY	23	1421	1424	1428	S14	W05	8391	11	23.2	7	SF			3	E		26		
0201		23	1426	14261	1436	S20	W75	8386	11	17.9	10	SF						10		
	RAMY	23	1426	1426	1436	S20	W74	8386	11	17.9	10	SF			3	E		10		
	HOLL	23	1426	1427	1435	S21	W76	8386	11	17.8	9	SF			3	E		10		
0202	LEAR	24	0256	0256	0259	S30	W81	8384	11	17.7	3	SF			3	E		35		
0203	LEAR	24	0413	0413	0418	S18	W89	8386	11	17.4	5	SF			3	E		42		
0204	LEAR	24	0541	0542	0545	S18	W89	8386	11	17.4	4	SF			3	E		30		
		24	0549		0652	No Flare Patrol														
		24	1023		1128	No Flare Patrol														
		24	1155		1405	No Flare Patrol														
0205	RAMY	24	1627	1628	1632	S16	E62	8393	11	29.4	5	SF			4	E		24		
0206	RAMY	24	1652	1652	1656	S17	W47	8394	11	21.1	4	SF			3	E		13		
0207	RAMY	24	1653	1654	1700	S19	W89	8386	11	17.9	7	SF			3	E		23		
		24	1823		1840	No Flare Patrol														
		24	1913		1937	No Flare Patrol														
		24	1943		2020	No Flare Patrol														
		24	2031		2113	No Flare Patrol														
		24	2133		2212	No Flare Patrol														
0208	LEAR	24	2214	2215	2221	N17	E72	8395	11	30.4	7	1F			3	E		116		
0209	LEAR	24	2341	2342	2346	S16	E57	8393	11	29.3	5	SF			3	E		49		
0210	LEAR	25	0125	0126	0128	S17	E54	8393	11	29.2	3	SF			3	E		29		
0211	LEAR	25	0330	0335	0343	N17	E74	8395	11	30.8	13	SF			3	E		79		E

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0212	LEAR	25	0551	0556	0613	N18	E72	8395	11	30.7	22	SF		3	E		87		F
0213	LEAR	25	0651	0652	0708	S19	E58	8393	11	29.7	17	SF		3	E		23		
		25	0852		0902	No Flare Patrol													
0214	LEAR	25	0944	0947	0953	S19	E59	8393	11	29.9	9	SF		3	E		15		F
0215	LEAR	25	0955	1000	1005	S16	E51	8393	11	29.3	10	SF		3	E		21		
		25	1013		1106	No Flare Patrol													
		25	1245		1358	No Flare Patrol													
0216		25	1417	1420	1428	N19	E68	8395	11	30.8	11	1N					89		
	RAMY	25	1412E	1412U	1432D	N18	E68	8395	11	30.8	20D	1N		3	E		103		
	HOLL	25	1417	1420	1428	N20	E68	8395	11	30.8	11	SF		3	E		75		
0217	HOLL	25	1454	1455	1501	S19	E51	8393	11	29.5	7	SF		3	E		15		
0218	RAMY	25	1901	1908	1916	S24	E22	8392	11	27.5	15	SF		3	E		32		
0219		25	20088	20171	2028	S23	E21	8392	11	27.4	20	SF					26		H
	RAMY	25	2008	2018	2037	S24	E21	8392	11	27.5	29	SF		3	E		32		H
	HOLL	25	2016	2017	2020	S22	E21	8392	11	27.4	4	SF		3	E		20		
0220		25	22481	2251	2258	S23	E19	8392	11	27.4	10	SF					31		
	HOLL	25	2248	2251	2259	S23	E20	8392	11	27.5	11	SF		3	E		41		
	LEAR	25	2249	2251	2256	S23	E18	8392	11	27.3	7	SF		3	E		21		
0221	LEAR	26	0021	0024	0030	S24	E18	8392	11	27.4	9	SF		3	E		28		
0222	LEAR	26	0443	0443	0455	S24	E16	8392	11	27.4	12	SF		3	E		22		
0223		26	0436	04397	0455	N20	E60	8395	11	30.8	19	SF					51	0.7	D
	LEAR	26	0436	0439	0456	N19	E61	8395	11	30.8	20	SF		3	E		70		
	URUM	26	0446E	0446	0454	N20	E60	8395	11	30.8	8D	SF			P		32	0.7	D
0224	LEAR	26	0528	0529	0538	S20	E42	8393	11	29.4	10	SF		3	E		36		
0225		26	07591	0805	0814	S22	E12	8392	11	27.2	15	SF					32		F
	LEAR	26	0759	0805	0817	S23	E14	8392	11	27.4	18	SF		3	E		40		F
	SVTO	26	0800	0805	0811	S22	E09	8392	11	27.0	11	SF		3	E		24		F
0226	SVTO	26	0944	0947	0950	S18	E44	8393	11	29.7	6	SF		3	E		22		F
0227	LEAR	26	0944	0947	0951	S19	E36	8393	11	29.1	7	SF		3	E		49		
0228	SVTO	26	1028	1040	1051	N18	E57	8395	11	30.8	23	SF		3	E		126		F
0229	SVTO	26	1259	1259	1306	N27	W38	8396	11	23.6	7	SF		3	E		10		
0230	RAMY	26	1644	1644	1652	N15	E57	8395	12	1.0	8	SF		4	E		39		H
0231	RAMY	26	1747	1747	1757	N19	E54	8395	11	30.9	10	SF		4	E		58		F
0232	RAMY	26	1813	1817	1821	N25	W42	8396	11	23.5	8	SF		4	E		17		
		26	2144		2158	No Flare Patrol													
0233	LEAR	27	0302	0304	0310	N19	E47	8395	11	30.7	8	SF		3	E		24		
0234	LEAR	27	0452	0453	0503	S23	E03	8392	11	27.4	11	SF		3	E		33		
0235		27	07087	07383	0912	S25	E10	8392	11	28.1	124	2N					350		EU
	SVTO	27	0708	0738	0932	S26	E10	8392	11	28.1	144	2N		3	E		340		UE
	LEAR	27	0715	0741	0851	S24	E09	8392	11	28.0	96	2N		3	E		359		UE
0236	URUM	27	0748E	0748	0823	S24	E07	8392	11	27.9	35D	2N			P		723	8.3	E

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Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	CMP Day	Dur (Min)	Imp Opt	Xray	Obs See	Obs Type	Time (UT)	Area Measurement Apparent (10-6 Disk)	Area Measurement Corr (Sq Deg)	Remarks
0237	LEAR	27	0852	0853	0905	S22	E08	8392	11	28.0	13	SF		3	E		17		
0238		27	10523	1055	1102	N21	E52	8395	12	1.4	10	SF					13		
	SVTO	27	1052	1055	1102	N21	E51	8395	12	1.4	10	SF		3	E		13		
	KANZ	27	1055	1055	1103	N21	E54	8395	12	1.6	8	SF		2	C				
		27	1242		1303	No Flare Patrol													
		27	1321		1359	No Flare Patrol													
0239	RAMY	27	1801	1813	1830	N18	E63	8395	12	2.5	29	SF		3	E		47		
0240	HOLL	27	1819	1820	1826	N19	E53	8395	12	1.8	7	SF		3	E		69		
0241	RAMY	27	1926	1927	1932	S21	E25	8393	11	29.7	6	SF		3	E		12		
		27	2003		2018	No Flare Patrol													
		27	2022		2033	No Flare Patrol													
		27	2046		2054	No Flare Patrol													
		27	2350		2355	No Flare Patrol													
		28	0009		0049	No Flare Patrol													
		28	0056		0104	No Flare Patrol													
		28	0109		0350	No Flare Patrol													
		28	0518		0546	No Flare Patrol													
0242	URUM	28	0547E	0547	0705	N21	E43	8398	12	1.5	78D	3B			P		1527	22.7	E
0243	LEAR	28	0605E	0609U	0810	N17	E32	8395	11	30.7	125D	3N		3	E		983		FZ
		28	0731		0742	No Flare Patrol													
		28	0933		1009	No Flare Patrol													
0244	RAMY	28	1219	1225	1257	N18	E44	8395	12	1.9	38	SF		3	E		44		
0245	RAMY	28	1258	1319	1328	N22	E41	8395	12	1.7	30	SF		3	E		71		
0246	RAMY	28	1329	1338	1350	N18	E45	8395	12	2.0	21	SF		3	E		48		
		28	1605		1609	No Flare Patrol													
		28	1644		1708	No Flare Patrol													
0247	RAMY	28	1824E	1824U	1834D	N16	E44	8395	12	2.1	10D	SF		3	E		18		
		28	1835		1909	No Flare Patrol													
		28	1925		2043	No Flare Patrol													
		28	2137		2230	No Flare Patrol													
0248	LEAR	28	2258	2300	2309	N27	W67	8396	11	23.7	11	SF		3	E		19		
		29	1020		1118	No Flare Patrol													
0249	RAMY	29	1410	1415	1442	N17	E17	8395	11	30.9	32	SF		3	E		21		
0250	RAMY	29	1417	1418	1427	N25	E50		12	3.5	10	SF		3	E		35		
0251	RAMY	29	1425	1426	1430	N14	E87	8397	12	6.2	5	SF		3	E		14		
0252	RAMY	29	1449	1453	1510	N17	E17	8395	11	30.9	21	SF		3	E		12		
0253	RAMY	29	1516	1518	1522	N26	W72	8396	11	24.0	6	SF		3	E		39		
0254	RAMY	29	1547	1547	1551	N28	W73	8396	11	23.9	4	SF		3	E		11		
0255	RAMY	29	1553	1555	1558	N28	W74	8396	11	23.9	5	SF		3	E		17		
		29	1605		1610	No Flare Patrol													
		29	1639		1647	No Flare Patrol													
		29	1654		1713	No Flare Patrol													
		29	1748		1801	No Flare Patrol													

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0256		29	18387	18478	1905	N18	E26	8395	12	1.7	27	SF					41		F
	RAMY	29	1838	1847	1929D	N16	E27	8395	12	1.8	51D	SF		3	E		55		
	HOLL	29	1845	1855	1905	N19	E26	8395	12	1.8	20	SF		3	E		27		F
		29	1923		1931	No Flare Patrol													
		29	1945		2006	No Flare Patrol													
0257	RAMY	29	2051E	2051U	2116D	N23	E34	8395	12	2.5	25D	SF		2	E		22		
0258	LEAR	30	0009	0013	0017	N22	E31	8395	12	2.4	8	SF		3	E		24		
0259	LEAR	30	0026	0027	0035	N30	W84	8396	11	23.4	9	SF		3	E		28		
0260	LEAR	30	0042	0053	0058	N22	E30	8395	12	2.3	16	SF		3	E		37		
		30	0505		0525	No Flare Patrol													
0261	LEAR	30	0556	0558	0602	N22	E27	8395	12	2.3	6	SF		3	E		14		
0262	LEAR	30	0557	0558	0602	N26	W83	8396	11	23.8	5	SF		3	E		30		
0263	LEAR	30	0645	0656	0709	S22	W31	8392	11	27.9	24	SF		3	E		39		E
0264	LEAR	30	0649	0651	0715	N17	E32	8395	12	2.7	26	SF		3	E		91		U
0265	LEAR	30	0717	0717	0729	N24	E24	8395	12	2.1	12	SF		3	E		40		E
0266	LEAR	30	0936	0938	0941	S22	W33	8392	11	27.9	5	SF		3	E		10		
		30	1007		1109	No Flare Patrol													
		30	1118		1331	No Flare Patrol													
		30	1340		1401	No Flare Patrol													
0267	HOLL	30	2114	2115	2118	N17	E72	8397	12	6.3	4	SF		3	E		14		
0268	HOLL	30	2253	2300	2314	N16	E70	8397	12	6.3	21	SF		3	E		96		

"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