Hα SOLAR FLARES
Confirmed

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OBSERVATORY	OBSERVED UT DATE APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. fs	REMARKS
	01	0551	0558	NO FLARE PATROL															
	01	0616	0640	NO FLARE PATROL															
674 BOUL	01	1350E	1413D	1359	N09	W89	1.000	12834	22.9	23D	--F		C	1359	.11	.42			3
675 BOUL	01	1436	1444	1439	N09	W89	1.000	12834	22.9	8	--F		C	1439	.11	.42			3
GRP50676	01	1502	1539	1508	N09	W90	1.000	12834	25.9	37	--F				.21				2 2 1 3
BOUL	01	1500	1522D	1508	N09	W89	1.000	12834	22.9	220	-F		C	1508	.21	.84			
RAMY	01	1504	1539		N08	W90	1.000	12834	22.9	35	-N	3	C						
GRP50677	01	1605	1623	1616	N08	W90	1.000	12834	25.9	18	-N				.51				3 3 2 4
BOUL	01	1605	1624	1616	N08	W89	1.000	12834	23.0	19	1N		C	1616	.75	2.95			
RAMY	01	1612E	1623D		N08	W90	1.000	12834	22.9	11D	-N	3	C						
HUAN	01	1613E	1621	1616	N08	W90	1.000	12834	22.9	8D	-N	1	C	1616	.26				C
GRP50678	01	1703	1715	1708	N09	W90	1.000	12834	26.0	12	--F				.43				2 2 1 2
BOUL	01	1703	1716	1708	N09	W89	1.000	12834	23.0	13	-F		C	1708	.43	1.69			
RAMY	01	1703	1714		N08	W90	1.000	12834	23.0	11	-N	3	C						
GRP50679	01	1856	1916	1901	N09	W90	1.000	12834	26.0	20	--F								2 2 0 4
PALE	01	1855	1926	1900	N10	W90	1.000	12834	23.0	31	-N	3	C						
HUAN	01	1857	1905	1901	N08	W90	1.000	12834	23.0	8	-F	1	C						C
	02	2112	2146	NO FLARE PATROL															
	02	2149	2155	NO FLARE PATROL															
	03	0324	0327	NO FLARE PATROL															
	03	0348	0356	NO FLARE PATROL															
	03	0500	0502	NO FLARE PATROL															
	03	0506	0518	NO FLARE PATROL															
	03	0555	0615	NO FLARE PATROL															
	03	2016	2021	NO FLARE PATROL															
	03	2117	2132	NO FLARE PATROL															
	03	2144	2206	NO FLARE PATROL															
	03	2210	2230	NO FLARE PATROL															
	04	0102	0130	NO FLARE PATROL															
	04	0200	0208	NO FLARE PATROL															
	04	0209	0220	NO FLARE PATROL															
680 MANI	04	0556	0617	0604	N12	E19	.444	12837	5.7	21	--F	2		0604	.62	.69			F 3
	04	2049	2117	NO FLARE PATROL															
	05	0636	0641	NO FLARE PATROL															
682 UPIC	05	1135U	1212U	1142U	S04	W32	.529	12835	3.1	37D	--F	3	P	1142	.42				K 2
GRP50683	05	1715	1753	1727	S12	W34	.559	12835	3.2	38	--F				.85				2 2 2 3
RAMY	05	1715	1741	1723U	S12	W33	.545	12835	3.2	26	-F	4	C		.46				DE
PALE	05	1730E	1805D	1731U	S11	W35	.572	12835	3.1	35D	-F	2	V		1.24				U F
684 PALE	05	1909E	1913	1910U	N12	W03	.318	12837	5.6	4D	--F	2	V		.41				DE 2
685 BOUL	05	1914	1933	1924	N20	W88	1.000	12828	27.2	19	--F		C	1924	.32	1.24			3
686 PALE	05	2111E	2121	2111U	N12	W05	.325	12837	5.5	10D	--F	2	C		.21				F 2
690 MONT	06	1106	1118	1109	S18	E61	.871	12848	11.0	12	--F		C	1109	.21				4
GRP50692	06	2347	0003	2352	N13	W20	.464	12837	5.5	16	--F				.62				2 2 2 4
MANI	06	2347	0008	2350	N13	W21	.476	12837	5.4	21	-N	2		2350	.62	.71			F
PALE	06	2351E	2357	2353	N13	W18	.443	12837	5.6	6D	-F	2	V		.62				F

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GRP50693	07	0651	0719	0703	N13	W23	.498	12837	5.6	28	--F				.76				2 2 2 2
ABST	07	0651	0713	0659	N13	W23	.498	12837	5.6	22	-F		C	0659	.90	10.00		74	D
MANI	07	0705E	0725	0707	N13	W23	.498	12837	5.6	20D	-N	2		0707	.62	.71			
GRP50694	07	1443	1453	1446	S09	E50	.762	12848	11.4	10	--F				.41				2 2 2 5
MEUD	07	1443	1449	1444	S10	E50	.762	12848	11.4	6	-F		C	1444	.31	.50			D
ATHN	07	1446E	1456	1448	S07	E49	.751	12848	11.3	10D	-F	2	V		.50				F
695 ATHN	07	1528	1558	1531	S08	E46	.715	12848	11.1	30	--F	1		1531	.34	.41			2
696 MEUD	07	1615E	1635D	1619	S10	E49	.750	12848	11.4	20D	-N		C						E 1
	07	1727	1802	NO FLARE PATROL															
697 RAMY	07	1807E	1826	1809U	S13	E49	.751	12848	11.4	19D	--F	4	V		.33				DE 2
698 HUAN	07	2039	2041D		S10	E46	.715	12848	11.3	2D	--F	1	P	2041	.26	.36			2
GRP50700	08	0625	0636	0633	S14	E61	.870	12849	12.8	11	--F				.46				2 2 2 3
MANI	08	0625	0635	0632	S15	E61	.870	12849	12.8	10	-F	2		0632	.41	.76			
ATHN	08	0632E	0637	0633	S12	E60	.861	12849	12.8	5D	-N	3	V		.50				DE
GRP50701	08	0802	0812	0806	S15	E59	.853	12849	12.8	10	--N				.41				4 4 4 7
MANI	08	0800	0812	0806	S16	E59	.853	12849	12.8	12	-N	2		0806	.62	1.11			
MONT	08	0804	0811	0808	S14	E59	.853	12849	12.8	7	-N		C	0808	.41				D
ATHN	08	0805E	0805D	0805U	S14	E59	.853	12849	12.8		-N	2	C		.33				DE
ARCE	08	0808E	0808D		S14	E60	.861	12849	12.8		-N		P	0808	.26	.50			
GRP50702	08	0839	0851	0841	N08	E35	.611	12852	11.0	12	--F				.32				2 2 2 5
MONT	08	0839	0846	0841	N08	E35	.611	12852	11.0	7	-F		C	0841	.21				
UPIC	08	0842E	0855		N07	E35	.606	12852	11.0	13D	-F		P	0842	.42				
GRP50703	08	0839	0852	0844	S13	E40	.643	12848	11.4	13	--N				.70				4 4 4 5
ATHN	08	0838	0853D	0844	S12	E41	.654	12848	11.4	15D	-N	2	C		.50				F
MONT	08	0839	0851	0842	S12	E40	.641	12848	11.4	12	-N		C	0842	.41				E
MEUD	08	0840	0850	0845	S12	E40	.641	12848	11.4	10	-F		C	0845	.41	.50			E
UPIC	08	0842E	0855	0845	S14	E39	.631	12848	11.3	13D	-N	3	P	0845	1.47				F
707 MONT	08	1151	1200	1153	S09	E38	.612	12848	11.3	9	--N		C	1153	.41				E 4
GRP50708	08	1256	1303	1259	S16	E58	.844	12849	12.9	7	-N				.59				3 3 3 4
UPIC	08	1254U	1305	1300	S18	E57	.836	12849	12.8	11D	-N	3	P	1300	.85				
MEUD	08	1257	1302	1258	S15	E58	.844	12849	12.9	5	-N		C	1258	.52	.90			D
HUAN	08	1257	1302	1259	S16	E58	.844	12849	12.9	5	-F	1	C	1259	.41	.78			
710 PALE	08	1752	1812	1755	S11	E35	.573	12848	11.4	20	--F	3	C		.19				F 3
712 HUAN	08	2159	2205	2201	S13	E35	.576	12848	11.5	6	--F	1	C						3
GRP50715	09	0001	0011	0004	S14	E37	.605	12848	11.8	10	--F				.79				2 2 2 3
MANI	09	0000E	0008D	0004	S13	E33	.548	12848	11.5	8D	-N	1		0004	.62	.75			H
BOUL	09	0001	0011	0003	S15	E41	.659	12848	12.1	10	-F		C	0003	.96	1.28			
GRP50716	09	0014	0032	0018	S14	E33	.551	12848	11.5	18	--F				.42				2 2 2 2
BOUL	09	0014	0027	0019	S14	E33	.551	12848	11.5	13	-F		C	0019	.21	.26			
MANI	09	0015E	0037	0017	S13	E32	.534	12848	11.4	22D	-F	2		0017	.62	.74			F
	09	0220	0228	NO FLARE PATROL															
	09	0233	0305	NO FLARE PATROL															
719 MANI	09	0322E	0337D	0322U	S14	E29	.494	12848	11.3	15D	--F	2		0322	.41	.47			F 3
723 MANI	09	0643	0659	0646	S12	E29	.488	12848	11.5	16	--N	2		0646	.31	.35			3
GRP50726	09	0903	0933	0913	S13	E27	.462	12848	11.4	30	--N				.74				4 4 4 7
ARCE	09	0900E	0944D		S13	E26	.447	12848	11.3	44D	-B		C	0917	.76	.80			
ZURI	09	0904	0924	0914	S14	E26	.451	12848	11.3	20	-F		C	0914	1.26	1.40			
MEUD	09	0904	0930	0912	S13	E26	.447	12848	11.3	26	-N		C	0905	.31	.30			
MEUD	09	0904	0930	0905	S13	E26	.447	12848	11.3	26	-N		C	0905	.31	.30			
MANI	09	0911E	0916D	0912U	S12	E28	.474	12848	11.5	5D	-N	1		0912	.62	.71			
GRP50727	09	1105	1121	1111	S13	E25	.432	12848	11.3	16	--F				.61				3 3 3 8
RAMY	09	1100	1131	1111	S11	E24	.410	12848	11.3	31	-F	4	C		.56				DE
ZURI	09	1106	1116	1112	S14	E25	.436	12848	11.3	10	-F		C	1112	.85	.90			
MEUD	09	1108	1115	1111	S13	E25	.432	12848	11.3	7	-F		C	1111	.41	.40			

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GRP50729	09	1348	1411	1359	S13	E23	.402	12848	11.3	23	--F				.54				3 2 2 8
BOUL	09	1348	1400	1354	S12	E12	.229	12848	10.5	12	-F		V	1354		.60			
MEUD	09	1356	1408	1358	S13	E23	.402	12848	11.3	12	-F		C	1358	.41	.40			
ATHN	09	1400E	1413D	1400U	S13	E23	.402	12848	11.3	13D	-N	3	C		.66				F
GRP50731	09	1516	1531	1523	S11	E23	.395	12848	11.4	15	--F				.84				4 4 3 6
ZURI	09	1510	1532	1520	S13	E23	.402	12848	11.4	22	-F		C	1520	1.47	1.60			
RAMY	09	1514	1541	1529	S12	E23	.398	12848	11.4	27	-N	4	C		.74				DE
MEUD	09	1518	1524	1520	S11	E22	.379	12848	11.3	6	-F		C						
MCMA	09	1520	1526	1522	S09	E23	.390	12848	11.4	6	-N		C	1522	.31	.50			E
	09	2127	2134	NO FLARE PATROL															
	10	0239	0245	NO FLARE PATROL															
	10	0250	0258	NO FLARE PATROL															
	10	0310	0338	NO FLARE PATROL															
	10	0341	0346	NO FLARE PATROL															
736 MANI	10	0348E	0418	0354U	S11	E11	.207	12848	11.0	30D	--N	2		0354	.41	.42			1
	10	0353	0358	NO FLARE PATROL															
GRP50737	10	0420	0447	0432	S11	E13	.238	12848	11.2	27	-N				1.10				2 2 2 2
MANI	10	0420	0447	0427U	S10	E13	.233	12848	11.2	27	-N	2		0427	1.03	1.06			F
ATHN	10	0426E	0440D	0436	S12	E12	.230	12848	11.1	14D	-N	1	C		1.16				F
738 MANI	10	0510	0512D	0512U	S10	E13	.233	12848	11.2	2D	--F	2		0512	.41	.42			2
GRP50739	10	0710	0805	0714	S14	E15	.289	12848	11.4	55	--B				.40				4 3 3 6
ATHN	10	0710E	0732D	0713	S13	E15	.282	12848	11.4	22D	-B	2	C		.33				DE
BUCA	10	0711E	0805		S14	E16	.303	12848	11.5	54D	-N		P	0715	.55	.60			D
MANI	10	0715E	0727D	0715U	S14	E14	.274	12848	11.4	12D	-B	1		0715	.31	.32			H
MEUD	10	0731E	0735		S13	E16	.297	12848	11.5	4D	-F		C	0731	.31	.30			D
GRP50740	10	0813	0835	0817	S13	E12	.238	12848	11.2	22	-F				1.75				4 4 4 5
MEUD	10	0811	0830	0818	S12	E12	.230	12848	11.2	19	-N		C	0818	1.24	1.20			E
ZURI	10	0812	0838	0818	S12	E12	.230	12848	11.2	26	-F		C	0818	1.47	1.60			
BUCA	10	0815	0838		S13	E12	.238	12848	11.2	23	1F		C	0819	2.21	2.30			E
MANI	10	0816E	0819D	0816U	S13	E12	.238	12848	11.2	3D	1N	1		0816	2.06	2.12			F
GRP50741	10	0847	0920	0856	S13	E13	.252	12848	11.3	33	--N				.45				4 3 3 6
BUCA	10	0842	0932D		S14	E15	.289	12848	11.5	50D	-N		P	0852	.55	.60			D
MEUD	10	0851	0902	0853	S13	E15	.282	12848	11.5	11	-N		C	0853	.31	.30			D
ATHN	10	0858E	0916D	0858U	S13	E15	.282	12848	11.5	18D	-B	2	C		.50				DE
WEND	10	0917E	0928D		S11	E08	.163	12848	11.0	11D	-N								
GRP50743	10	1016	1032	1022	S13	E12	.238	12848	11.3	16	--N				.79				4 3 2 6
MEUD	10	1011	1035	1019	S13	E14	.267	12848	11.5	24	-F		C	1019	.31	.30			DH
HURB	10	1020	1028	1024	S13	E12	.238	12848	11.3	8	-N						1.64		H
UPIC	10	1023E	1034U		S14	E15	.289	12848	11.6	11D	-N	3	P	1023	.63				IT
UPIC	10	1023E	1028		S12	E07	.159	12848	11.0	5D	-F	3	P	1023	.63				IT
UPIC	10	1023E	1028		S11	E10	.192	12848	11.2	5D	-F	3	P	1023	.42				IT
RAMY	10	1025E	1045D	1033U	S13	E14	.267	12848	11.5	20D	-N	3	V		.46				DE H
744 MCMA	10	1129	1204	1131	S13	E13	.252	12848	11.5	35	--N		C	1131	.21	.20			DT 4
GRP50745	10	1248	1307	1251	S11	E08	.163	12848	11.1	19	--F				.51				4 3 2 5
RAMY	10	1243	1316	1249	S12	E06	.147	12848	11.0	33	-F	4	C		.65				DE
MCMA	10	1250	1308	1253	S12	E06	.147	12848	11.0	18	-N		C	1253	.36	.40			E
HURB	10	1252	1258	1252	S10	E10	.185	12848	11.3	6	-F						1.60		
MCMA	10	1257	1306	1301	S13	E13	.252	12848	11.5	9	-N		C	1301	.21	.20			DL
HUAN	10	1310	1314	1312	S14	E13	.260	12848	11.5	4	-F	1	C						
GRP50747	10	1428	1433	1429	S13	E13	.252	12848	11.6	5	--N				.21				2 2 2 4
HUAN	10	1427	1430	1428	S13	E13	.252	12848	11.6	3	-F	1	C	1428	.21	.21			
MCMA	10	1428	1436	1429	S13	E13	.252	12848	11.6	8	-B		C	1429	.21	.20			DH
GRP50750	10	1632	1641	1637	S14	E11	.233	12848	11.5	9	--N				.33				4 4 4 5
UPIC	10	1627	1639D		S15	E11	.243	12848	11.5	12D	-N	3	P	1639	.42				IT
RAMY	10	1630E	1641	1636	S13	E11	.223	12848	11.5	11D	-N	4	V		.28				DE
MCMA	10	1634	1642	1637	S14	E11	.233	12848	11.5	8	-N		C	1637	.31	.30			EH
MEUD	10	1637	1641	1638	S13	E11	.223	12848	11.5	4	-F		C	1638	.31	.30			D
751 MCMA	10	1645	1725D		S14	E10	.220	12848	11.4	40D	--N		C	1716	.52	.50			EHK 3

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GRP50752	10	1707	1720	1709	S16	E29	.502	12849	12.9	13	--N		C		.56				4 4 3 5
MCMA	10	1707	1720	1708	S16	E27	.474	12849	12.7	13	-N		C	1708	.52	.60			E
RAMY	10	1707E	1720D	1710	S15	E30	.512	12849	13.0	13D	-N	4	V		.33				DE
MEUD	10	1707	1713D	1710	S15	E30	.512	12849	13.0	6D	-N		C	1710	.83	.90			
HUAN	10	1710E	1714D		S16	E29	.502	12849	12.9	4D	-F	1	P						
753 MCMA	10	1745E	1811D		S14	E10	.220	12848	11.5	26D	--N		C	1803	.41	.40			EHK 1
GRP50754	10	1819	1855	1829	S03	W29	.486	12850	8.6	36	--F				.48				2 2 2 3
BOUL	10	1819E	1837D	1829	S02	W31	.518	12850	8.4	18D	-N		C	1829	.54	.63			
PALE	10	1829E	1859D	1829U	S04	W26	.438	12850	8.8	30D	-F	2	V		.41				F
PALE	10	1830E	1855D	1831U	S04	W28	.469	12850	8.7	25D	-F	2	C		.36				F
GRP50755	10	1820	1853	1828	S11	E04	.111	12848	11.1	33	--N				.82				2 2 2 3
MCMA	10	1820	1855D	1825	S10	E05	.111	12848	11.1	35D	-N		C	1825	.83	.80			E
PALE	10	1830E	1850	1831U	S11	E03	.101	12848	11.0	20D	-N	2	C		.81				F
GRP50756	10	2010	2017	2014	S13	E10	.209	12848	11.6	7	--N				.21				2 2 2 2
MCMA	10	2010	2017	2013	S13	E10	.209	12848	11.6	7	-N		C	2013	.15	.20			OH
PALE	10	2012E	2015	2014	S12	E09	.186	12848	11.5	4D	-N	2	V		.26				DE
GRP50757	10	2023	2101	2027	S10	E05	.111	12848	11.2	38	--F				.62				2 2 2 2
PALE	10	2022E	2102	2027	S10	E05	.111	12848	11.2	40D	-N	2	C		.72				F
PALE	10	2022E	2102	2053	S10	E05	.111	12848	11.2	40D	-F	2	C		.64				F
MCMA	10	2023	2059	2027	S10	E04	.098	12848	11.1	36	-F		C	2027	.52	.50			E
758 MCMA	10	2118	2133	2125	S14	E08	.195	12848	11.5	15	--N		C	2125	.21	.20			OH 1
759 MCMA	10	2122	2126	2123	S04	W31	.514	12850	8.6	4	--F		C	2123	.26	.30			D 1
2 STATIONS REPORTING GROUP 50760. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP50760	10	2247	2258	2249	S13	E09	.196	12848	11.6	11	--B				.39				2 2 2 3
PALE	10	2246	2257	2248	S13	E10	.209	12848	11.7	11	-B	3	V		.46				H
MANI	10	2247	2259	2249	S13	E08	.183	12848	11.5	12	-B	1		2249	.31	.32			H
760 PALE	10	2246	2250D	2248	S31	E10	.449	12848	11.7	4D	*-B	3	V		.46				3
GRP50761	11	0002	0028	0011	S13	E08	.184	12848	11.6	26	--B				.39				2 2 2 3
PALE	11	0000	0025	0014	S13	E08	.184	12848	11.6	25	-B	2	C		.36				H
PALE	11	0000	0025	0003	S13	E08	.184	12848	11.6	25	-N	2	C		.27				H
MANI	11	0004	0030	0008	S12	E08	.173	12848	11.6	26	-N	2		0008	.41	.42			
GRP50762	11	0003	0033	0007	S04	W30	.499	12850	8.8	30	-B				1.48				2 2 2 2
MANI	11	0002	0034	0005	S04	W29	.484	12850	8.8	32	1B	2		0005	1.96	2.24			F
PALE	11	0003	0032	0008	S04	W31	.514	12850	8.7	29	-B	2	C		.99				DE
GRP50763	11	0159	0224	0203	S12	E07	.160	12848	11.6	25	-N				.93				2 2 2 2
PALE	11	0159E	0203D	0203U	S11	E02	.095	12848	11.2	4D	-N	2	V		.93				FOE
MANI	11	0159	0223	0203	S12	E09	.187	12848	11.8	24	-N	2		0203	.93	.95			F
MANI	11	0200	0225	0205	S13	E13	.253	12848	12.1	25	-N	2		0205	.62	.64			F
764 MANI	11	0252	0332	0300	S04	W33	.544	12850	8.6	40	-B	2		0300	1.34	1.63			E 1
GRP50765	11	0545	0616	0602	S12	E03	.118	12848	11.5	31	-F				1.36				2 2 2 2
MANI	11	0545	0643	0550	S13	W01	.124	12848	11.2	58	1F	2		0550	2.17	2.18			F
MANI	11	0559	0617	0602	S12	E05	.136	12848	11.6	18	-N	2		0602	.31	.31			H
BUCA	11	0600E	0615		S13	E04	.141	12848	11.6	15D	-N		P	0602	.55	.60			D
MANI	11	0627	0640	0628	S11	E00	.088	12848	11.3	13	-F	2		0628	.41	.42			F
766 MANI	11	0555	0619	0558	S04	W33	.544	12850	8.8	24	--N	2		0558	.52	.63			F 2
3 STATIONS REPORTING GROUP 50770. 4 STATIONS OBSERVING AND NOT REPORTING.																			
GRP50770	11	0948	1024	0950	S12	W05	.136	12848	11.0	36	-N				2.40				3 3 3 7
KHAR	11	0948E	1024D		S12	W03	.118	12848	11.2	36D	1F		C	0956	5.10	5.10	1.50		EH
UPIC	11	0950E	1001D	0950U	S12	W06	.147	12848	11.0	11D	-N	3	P	0950	1.68				ITF
MANI	11	0950E	0954D	0950U	S12	W06	.147	12848	11.0	4D	-N	1		0950	.41	.42			
770 UPIC	11	0950E	1001D	0950U	S14	W01	.141	12848	11.3	11D	*-N	3	P	0950	1.26				ITF 7
GRP50779	11	1539	1606	1542	S13	W07	.172	12848	11.1	27	-N				2.29				2 2 1 4
HUAN	11	1538	1540D		S13	W07	.172	12848	11.1	2D	-F	1	P						
UPIC	11	1540	1606	1542	S13	W06	.160	12848	11.2	26	1B	3	P	1542	2.29				ITF
	11	1633	1723	NO FLARE PATROL															
	11	2103	2113	NO FLARE PATROL															
781 HUAN	11	2117	2122	2119	S12	W09	.187	12848	11.2	5	--N	2	C	2119	.41	.42			1

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OBSERVATORY	DATE APR	OBSERVED UT START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
	11	2129	2130	NO FLARE PATROL															
GRP50782	11	2220	2255	2239	S04	W43	.680	12850	8.7	35	1N				1.86				2 1 1 2
MANI	11	2220	2255	2239	S04	W43	.680	12850	8.7	35	1N	2		2239	1.86	2.57			F
VORO	11	2224	2246	2229	S18	W43	.690	12850	8.7	22	-B		C	2229	1.11	1.50		75	EJ
GRP50783	12	0017	0034	0020	S15	E11	.245	12849	12.8	17	--B				.58				2 2 2 2
VORO	12	0015	0029	0019	S15	E11	.245	12849	12.8	14	-B		C	0019	.74	.80		62	D
MANI	12	0018	0038	0020	S14	E10	.221	12849	12.8	20	-N	2		0020	.41	.42			
	12	0130	0145	NO FLARE PATROL															
	12	0146	0150	NO FLARE PATROL															
785 MANI	12	0155E	0215D	0157	S12	W10	.202	12848	11.3	20D	--F	2		0157	.72	.74			F 2
786 MANI	12	0215E	0230	0215U	S12	W13	.246	12848	11.1	15D	--N	2		0215	.31	.32			1
	12	0530	0539	NO FLARE PATROL															
4 STATIONS REPORTING GROUP 50791. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP50791	12	0557	0717	0601	S11	W13	.239	12848	11.3	80	-N				1.65				3 3 3 5
MITK	12	0557	0614	0559	S11	W10	.193	12848	11.5	17	-N		C	0559	.72	.70			49
BUCA	12	0600E	0725		S11	W15	.271	12848	11.1	85D	1N		P	0603	3.32	3.40			
ABST	12	0603E	0708D	0603	S11	W11	.209	12848	11.4	65D	-N		P	0603	.90	.90			BD
ABST	12	0603E	0616	0603	S11	W15	.271	12848	11.1	13D	-F		P	0603	.90	.90			BE
50791	12	0539	0606	0554	S12	W17	.307	12848	11.0	27	*-B				1.70				3 2 2 4
MITK	12	0539	0606		S11	W18	.318	12848	10.9	27	-B		C	0539	1.44	1.50			59
MANI	12	0544E	0605D	0544U	S12	W16	.292	12848	11.0	21D	1N	2		0544	1.96	2.07			F
ABST	12	0603E	0708D	0603	S13	W20	.358	12848	10.8	65D	-N		P	0603	.90	1.00			BDZ
GRP50792	12	1334	1340	1335	S13	W23	.403	12848	10.8	6	--F				.36				2 2 2 3
HUAN	12	1333	1340	1335	S12	W23	.399	12848	10.9	7	-F	1	C	1335	.31	.34			
HEUD	12	1334	1340		S13	W23	.403	12848	10.8	6	-F		C	1336	.41	.40			
	12	1359	1400	NO FLARE PATROL															
GRP50794	12	1436	1448	1442	S13	W23	.403	12848	10.9	12	--F				.28				2 2 1 3
HUAN	12	1436	1445	1441	S12	W23	.399	12848	10.9	9	-F	1	C						
RAMY	12	1441E	1450D	1442	S13	W23	.403	12848	10.9	9D	-F	4	V		.28				DE
GRP50795	12	1525	1535	1532	S17	W20	.383	12848	11.1	10	--N				.83				2 2 2 3
CATA	12	1525E	1535D	1535	S15	W19	.355	12848	11.2	10D	-B	3	P	1535	1.16	1.24		(263)	
RAMY	12	1526E	1534D	1528U	S19	W20	.399	12848	11.1	8D	-F	4	V		.50				DE
GRP50796	12	1540	1553	1543	S13	W24	.418	12848	10.9	13	--F				.37				2 2 2 3
RAMY	12	1540E	1552	1543	S13	W24	.418	12848	10.9	12D	-F	4	V		.33				DE
HUAN	12	1544E	1553D		S12	W23	.399	12848	10.9	9D	-N	1	P	1544	.41	.45			
797 BOUL	12	1634	1645	1640	N01	W53	.802	12850	8.7	11	--F		C	1640	.32	.53			3
GRP50798	12	1759	1810	1803	S13	W24	.418	12848	10.9	11	--F				.31				2 2 1 3
PALE	12	1759	1807	1800	S13	W26	.448	12848	10.8	8	-F	3	C		.31				DE
BOUL	12	1803E	1813E	1805U	S12	W22	.384	12848	11.1	10D	-N		V	1805		1.00			
799 PALE	12	1859E	1906	1900	S11	W20	.349	12848	11.3	7D	--F	3	C		.41				DE 3
800 PALE	12	1938	1944D	1940	S09	W22	.375	12848	11.2	6D	--F	3	C		.21				DE 2
801 PALE	12	2158E	2205	2158U	S11	W25	.427	12848	11.0	7D	--F	2	C		.55				DE 2
	12	2224	2225	NO FLARE PATROL															
	12	2232	2312	NO FLARE PATROL															
802 MANI	12	2333E	2340D	2335U	S08	W22	.374	12848	11.3	7D	--N	1		2335	.31	.33			1
GRP50803	13	0013	2452	2426	S11	W28	.472	12848	10.9	919	1B				3.09				2 1 1 2
MANI	12	2357	0052D	0026	S11	W28	.472	12848	10.9	55D	1B			0026	3.09	3.54			
MANI	12	2357	0052D	0007	S11	W28	.472	12848	10.9	55D	-N	2		0007	1.13	1.29			
PALE	13	0013E	0053D	0018U	S11	W27	.457	12848	11.0	40D	1N	2	V		2.58				U F
4 STATIONS REPORTING GROUP 50803. 0 STATIONS OBSERVING AND NOT REPORTING.																			
50803	13	0019	0213	0115	S14	W26	.452	12848	11.1	114	*-B				1.96				2 2 2 2
MANI	13	0019	0226	0117	S13	W25	.433	12848	11.1	127	1B			0117	2.37	2.62			
MANI	13	0019	0226	0106	S13	W25	.433	12848	11.1	127	1B			0106	2.17	2.39			
PALE	13	0111E	0159	0112U	S14	W26	.452	12848	11.1	48D	-N	2	V		1.55				F

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OBSERVATORY	OBSERVED UT				LOCATION						DURATION	IMPORTANCE	OBS.		MEASUREMENTS					REMARKS
	DATE APR	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY		MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
50803	13	0125	0200	0130	S12	W28	.475	12848	11.0		35	*1B				2.78				2 1 1 3
MITK	13	0125	0210	0130	S12	W28	.475	12848	11.0		45	1B		C	0130	2.78	3.20			59
KODA	13	0142	0150	0142	S13	W27	.463	12848	11.0		8	1N		P	0150	2.89	2.70	1.36		EH
50803	13	0019	0234	0231	S13	W27	.463	12848	11.0		135	*1N								2 1 0 3
MANI	13	0019	0226	0041	S13	W25	.433	12848	11.1		127	-B	2		0041	.93	1.03			
KODA	13	0221	0242	0231	S13	W27	.463	12848	11.1		21	1N		V				1.76		CEH
GRP50805	13	0238	0302	0244	S16	W07	.213	12849	12.6		24	--F				.83				2 2 2 3
MANI	13	0238	0258D	0244	S16	W06	.204	12849	12.7		200	-N	2		0244	.83	.84			F
PALE	13	0243E	0301	0243U	S17	W07	.227	12849	12.6		180	-F	2	V		.83				U
PALE	13	0253E	0304		S16	W07	.213	12849	12.6		110	-N	2	C						F
GRP50808	13	0505	0655	0553	S12	W31	.518	12848	10.9		110	1B				4.53				2 2 2 5
MANI	13	0405	0505D	0420	S11	W29	.487	12848	11.0		600	1B	2		0420	3.09	3.57			FE
MANI	13	0505E	0642D	0553	S11	W29	.487	12848	11.0		970	2B			0553	4.64	5.36			
MANI	13	0505E	0642D	0527	S11	W29	.487	12848	11.0		970	2B	2		0527	6.19	7.14			FE
BUCA	13	0600E	0655		S12	W32	.533	12848	10.8		550	1N		P	0600	4.42	5.10			
GRP50809	13	0656	0740	0705	S13	W31	.521	12848	11.0		44	1B				2.17				6 6 6 7
MANI	13	0649E	0738	0702	S11	W32	.531	12848	10.9		490	1B	2		0702	3.09	3.69			FE
ZURI	13	0658	0738	0704	S12	W30	.504	12848	11.0		40	1N		C	0704	2.10	2.40			
BUCA	13	0700	0745		S12	W29	.489	12848	11.1		45	1B		C	0705	3.32	3.80			E
TEHR	13	0705E	0707D	0705U	S13	W32	.535	12848	10.9		20	-B	1	V		1.30				F
ATHN	13	0705E	0707D	0706	S12	W32	.533	12848	10.9		20	-N	3	C		1.49				F
CATA	13	0710E	0710D	0710	S15	W32	.541	12848	10.9			1B	3	P	0710	1.73	2.06		(389)	T
GRP50811	13	0749	0833	0758	S12	W29	.489	12848	11.2		44	1B				4.17				4 4 4 6
ZURI	13	0748	0832	0800	S12	W29	.489	12848	11.2		44	1N		C	0800	2.73	3.10			
BUCA	13	0750	0825D		S13	W27	.463	12848	11.3		350	1N		P	0800	4.42	4.90			E
ATHN	13	0750	0818D	0757	S12	W31	.518	12848	11.0		280	1B	2	C		2.31				F
MANI	13	0754E	0834D	0757	S12	W30	.504	12848	11.1		400	2B	2		0757	7.22	8.47			FH
50811	13	0837	0902	0847	S11	W32	.531	12848	11.0		25	*1N				2.23				4 4 4 7
KHAR	13	0815E	1036D		S12	W31	.518	12848	11.0		141D	2N		C	0839	5.47	6.10			ECH
MANI	13	0834E	0905	0848	S11	W31	.516	12848	11.0		310	-N	2		0848	1.55	1.83			F
ZURI	13	0840	0858	0846	S11	W31	.516	12848	11.0		18	-F		C	0846	1.26	1.50			
MEUD	13	0850E	0902		S11	W33	.545	12848	10.9		120	-N		C	0850	.62	.70			E
GRP50812	13	0924	0957	0934	S11	W32	.531	12848	11.0		33	-N				.88				3 3 3 8
UPIC	13	0923E	1057U		S10	W32	.529	12848	11.0		94D	-N	3	P	0933	1.47				ITF8
MEUD	13	0925	0955		S11	W33	.545	12848	10.9		30	-F		C	0933	.52	.60			
ATHN	13	0932E	0959	0934	S12	W32	.533	12848	11.0		27D	-B	3	C		.66				DE
GRP50813	13	1047	1110	1050	S12	W33	.547	12848	11.0		23	1N				4.69				5 5 5 6
WEND	13	1046	1107		S13	W32	.535	12848	11.0		21	1N		V		5.16				
MEUD	13	1047	1100	1050	S11	W32	.531	12848	11.0		13	1N		C	1050	2.78	3.20			
ZURI	13	1048	1108	1050	S12	W33	.547	12848	11.0		20	1N		C	1050	2.53	3.00			
ATHN	13	1048E	1052D	1051	S12	W34	.561	12848	10.9		40	-B	3	V		1.65				DE
KHAR	13	1054E	1125		S11	W33	.545	12848	11.0		31D	3N		P	1054	11.34	13.00			ECH
GRP50815	13	1155	1214	1158	S11	W33	.545	12848	11.0		19	-1N				.54				4 4 3 5
ATHN	13	1153	1218	1156	S12	W33	.547	12848	11.0		25	-N	3		1156	.68	.70			
MEUD	13	1153	1210	1155	S11	W34	.559	12848	10.9		17	-F		C	1155	.41	.50			
ZURI	13	1154	1208	1202	S10	W32	.529	12848	11.1		14	-N		C	1202	.53	.60			
KHAR	13	1158	1220D		S12	W34	.561	12848	10.9		220	2N		V						EH
GRP50817	13	1317	1335	1320	S12	W35	.575	12848	10.9		18	1N				1.75				4 4 4 4
ZURI	13	1312	1330	1316	S12	W34	.561	12848	11.0		18	1N		C	1316	2.10	2.50			
MEUD	13	1315	1330	1319	S11	W35	.573	12848	10.9		15	-F		C	1319	.72	.80			
MCMA	13	1318E	1350	1320	S12	W36	.589	12848	10.9		32D	1N		C	1320	1.80	2.20			E
ATHN	13	1324	1328	1324	S12	W35	.575	12848	10.9		4	1N	3		1324	2.38	2.47			
GRP50818	13	1541	1611	1545	S12	W36	.589	12848	11.0		30	-B				1.73				4 4 4 4
MEUD	13	1541	1555	1544	S11	W36	.587	12848	11.0		14	1N		C	1544	2.06	2.40			
RAMY	13	1541	1607D	1548	S13	W34	.563	12848	11.1		26D	-N	3	C		1.39				F
ATHN	13	1542E	1544D	1544D	S12	W36	.589	12848	11.0		20	-B	3	V		1.65				F
MCMA	13	1548E	1632		S12	W37	.602	12848	10.9		44D	1B		C	1552	1.80	2.20			E
GRP50819	13	1714	1805	1748	S12	W37	.602	12848	10.9		51	-1N				1.75				3 1 1 4
RAMY	13	1712	1726	1715	S13	W35	.577	12848	11.1		14	-F	3	C		.37				DE
MCMA	13	1714	1805	1748	S12	W38	.616	12848	10.9		51	1N		C	1748	1.75	2.10			EH
HUAN	13	1721E	1723D		S11	W36	.587	12848	11.0		20	-F	1	F						
GRP50820	13	1806	1832	1811	S13	W36	.591	12848	11.1		26	-B				1.02				3 3 3 3
RAMY	13	1805	1829	1809	S14	W36	.593	12848	11.1		24	-B	3	C		1.30				DE H
MCMA	13	1807	1835	1809	S13	W35	.577	12848	11.1		28	-B		C	1809	.93	1.10			E
PALE	13	1813E	1814D	1814D	S13	W36	.591	12848	11.1		10	-B	3	V		.83				DE

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823 HUAN	13	2050	2121	2054U	S11	W38	.615	12848	11.0	31	--N	1	C	2054	.52	.65			2
GRP50824	13	2218	2230	2218	S11	W39	.628	12848	11.0	12	-B				.72				2 2 1 3
MANI	13	2218E	2239	2218U	S11	W39	.628	12848	11.0	21D	-N	1		2218	.72	.95			F
PALE	13	2218E	2220		S11	W39	.628	12848	11.0	2D	-B	2	C						F
	13	2252	2255	NO FLARE PATROL															
GRP50826	14	0012	0020	0015	S14	W40	.646	12848	11.0	8	-B				.73				2 2 2 4
MANI	14	0012	0023	0015	S13	W39	.631	12848	11.1	11	-N	2		0015	.72	.95			F
VORO	14	0012	0017	0014	S15	W41	.660	12848	10.9	5	-B		C	0014	.74	1.00		84	DJ
GRP50827	14	0046	0110	0057	S12	W39	.629	12848	11.1	24	-N				1.03				3 3 3 3
VORO	14	0044	0112	0053	S13	W40	.644	12848	11.0	28	-B		C	0053	.93	1.30		84	EJ
MANI	14	0046	0115	0058	S12	W38	.616	12848	11.2	29	-N			0058	.83	1.06			
MANI	14	0046	0115	0050	S12	W38	.616	12848	11.2	29	-N	2		0050	.62	.80			F
PALE	14	0049	0055	0051	S10	W39	.627	12848	11.1	6	-F	2	C		.55				F
PALE	14	0057	0104	0059U	S13	W41	.657	12848	11.0	7	-F	3	V		1.34				F
GRP50829	14	0231	0401		S13	W42	.669	12848	11.0	90	-N				1.47				2 2 2 3
VORO	14	0231	0401D	0324	S13	W42	.669	12848	11.0	90D	1N		C	0340	2.22	2.90		74	EJK
MANI	14	0233E	0235D	0235U	S15	W44	.697	12848	10.8	2D	-N	2		0235	.41	.58			
MANI	14	0248E	0312D	0257U	S13	W44	.694	12848	10.8	24D	-N	2		0257	.72	1.02			F
MANI	14	0337E	0338D	0337U	S12	W36	.589	12848	11.5	1D	-N	1		0337	.52	.65			
830 ATHN	14	0441E	0451	0442	S12	W47	.729	12848	10.7	10D	--F	3	V		.50				DE 3
833 ATHN	14	0515E	0535	0517	S12	W45	.705	12848	10.8	20D	--F	4	V		.83				F 2
834 MANI	14	0551E	0623	0556U	S12	W41	.655	12848	11.2	32D	-N	2		0556	.83	1.11			F 2
GRP50835	14	0639	0704	0642	S11	W42	.667	12848	11.1	25	1N				2.02				4 4 4 6
MANI	14	0639	0642D	0642U	S13	W43	.682	12848	11.1	3D	1N	2		0642	1.55	2.15			F
MITK	14	0639	0706	0642	S10	W44	.692	12848	11.0	27	1F		C	0642	1.55	2.10			9
ATHN	14	0639	0658	0642	S12	W42	.668	12848	11.1	19	-N	4	C		.83				F
WENO	14	0639	0708		S09	W40	.640	12848	11.3	29	1N		V		4.13				
GRP50837	14	0748	0755	0748	S11	W42	.667	12848	11.1	7	--N				2.02				5 4 4 6
UPIC	14	0646	0720		S11	W44	.689	12848	11.0	34	-N		P	0646	1.50				
MANI	14	0747	0749D	0748	S12	W44	.693	12848	11.0	2D	-N	1		0748	.83	1.16			
MEUD	14	0748	0755	0748	S13	W46	.718	12848	10.9	7	-F		C	0748	.41	.60			
GRP50838	14	0759	0809	0800	S12	W45	.705	12848	11.0	10	-N				.90				3 3 3 4
MEUD	14	0759	0805	0800	S12	W45	.705	12848	11.0	6	-F		C	0800	.41	.50			
ATHN	14	0759	0811	0800	S12	W44	.693	12848	11.0	12	-N	1		0800	1.02	1.13			
UPIC	14	0804E	0810D		S13	W46	.718	12848	10.9	6D	-N	3	P	0804	1.26				ITF
GRP50840	14	0923	0935	0925	S12	W46	.717	12848	10.9	12	-N				.86				3 3 3 4
MEUD	14	0921	0933		S12	W46	.717	12848	10.9	12	-F		C	0925	.31	.40			
ATHN	14	0925	0936	0925	S12	W44	.693	12848	11.1	11	-N	1		0925	1.02	1.13			
UPIC	14	0926E	0928D		S12	W47	.729	12848	10.9	2D	-N	3	P	0926	1.26				IF
841 RAMY	14	1111	1133	1118	S11	W47	.728	12848	10.9	22	--F	3	C		.65				DE 3
GRP50842	14	1230	1244	1234	S12	W47	.729	12848	11.0	14	--F				.50				2 2 2 4
RAMY	14	1228	1243	1233	S12	W49	.752	12848	10.8	15	-F	3	C		.31				DE
ATHN	14	1231	1244	1235	S12	W45	.705	12848	11.1	13	-N	1		1235	.68	.76			
GRP50843	14	1439	1505	1443	S12	W48	.741	12848	11.0	26	-N				.84				3 3 2 7
RAMY	14	1436	1503	1444	S12	W48	.741	12848	11.0	27	-N	3	C		.65				DE
HUAN	14	1440	1446	1440	S12	W48	.741	12848	11.0	6	-F	1	C						
ATHN	14	1441	1504	1444	S12	W46	.717	12848	11.2	23	-N	1		1444	1.02	1.13			
HUAN	14	1501	1509	1503	S11	W51	.774	12848	10.8	8	-F	1	C	1503	.41	.62			
GRP50845	14	1913	1935	1916	S13	W52	.785	12848	10.9	22	-N				.65				5 5 5 5
MCMA	14	1912	1917D	1913	S13	W51	.775	12848	11.0	5D	-N		P	1913	1.03	1.70			E
RAMY	14	1913	1937	1915	S14	W51	.775	12848	11.0	24	-F	3	C		.50				DE
HUAN	14	1914E	1922D		S13	W52	.785	12848	10.9	8D	-F	1	P	1915	.26	.42			C
BOUL	14	1915E	1937	1917	S13	W53	.796	12848	10.8	22D	-N		C	1917	.54	.90			
PALE	14	1920E	1932	1920U	S12	W52	.785	12848	10.9	12D	-N	2	C		.91				DE
GRP50855	15	0525	0540	0528	S10	W54	.805	12848	11.2	15	-N				.91				3 3 3 7
MANI	15	0522E	0543D	0526	S08	W57	.835	12848	10.9	21D	-B	1		0526	.83	1.42			F
MANI	15	0526	0555D	0529	S12	W57	.835	12848	11.0	29D	-N	1		0529	.31	.53			
ABST	15	0527	0536	0529	S08	W52	.784	12848	11.3	9	-N		C	0529	.90	1.40			FJ
ATHN	15	0529E	0531D	0529U	S11	W54	.805	12848	11.2	2D	-N	2	V		.99				F

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GRP50858	15	0816	0844	0824	S15	W57	.836	12848	11.1	28	1N				1.45				5 5 5 7
MANI	15	0800E	0815D	0803	S13	W60	.862	12848	10.8	15D	-N	1		0803	.83	1.50			F
CATA	15	0815	0830D	0825	S18	W58	.847	12848	11.0	15D	1B	3	P	0825	2.31	4.36		(324)	
MEUD	15	0817	0840	0820	S14	W57	.835	12848	11.1	23	-N		C	0820	1.03	1.70			
MANI	15	0817E	0823D	0823U	S13	W60	.862	12848	10.8	6D	1N	1		0823	1.34	2.44			F
TEHR	15	0822E	0825D	0822U	S16	W56	.827	12848	11.1	3D	-F	3	V		.25				F
ATHN	15	0829E	0846D	0829U	S13	W56	.826	12848	11.2	19D	1N	3	V		2.31				F
GRP50860	15	0938	1005	0945	S16	W37	.612	12849	12.6	27	--B				.67				2 2 2 3
MEUD	15	0938	1005		S15	W37	.609	12849	12.6	27	-N		C	0946	.83	1.00			
TEHR	15	0943E	1000D	0945U	S16	W36	.599	12849	12.7	17D	-B	3	V		.50				DE
861 MEUD	15	1019	1026		N08	W53	.815	12867	11.5	7	--F		C	1020	.31	.50			D 3
GRP50863	15	1041	1101	1048	S15	W59	.854	12848	11.0	20	-B				.62				2 2 2 3
RAMY	15	1036	1104	1050	S13	W59	.853	12848	11.0	28	-F	3	C		.65				OE
CATA	15	1045	1045D	1045	S17	W59	.855	12848	11.0		-B	3	P	1045	.58	1.11		(316)	
RAMY	15	1048E	1058	1050U	S12	W59	.853	12848	11.0	10D	-N	3	V		.66				DE
GRP50864	15	1056	1114	1101	S15	W38	.622	12849	12.6	18	--N				.46				3 3 3 4
RAMY	15	1056	1114	1103	S16	W38	.625	12849	12.6	18	-N	3	V		.66				F
TEHR	15	1057E	1114	1058	S15	W37	.609	12849	12.7	17D	-N	3	V		.33				OE
ARCE	15	1108E	1108D		S14	W39	.633	12849	12.5		-N		P	1108	.38	.50			
GRP50865	15	1124	1212	1130	S18	W68	.923	12848	10.4	48	-B				1.19				2 2 2 3
RAMY	15	1117	1212	1129	S18	W68	.923	12848	10.4	55	-N	3	C		.93				DE
CATA	15	1130	1130D	1130	S18	W68	.923	12848	10.4		1B	3	P	1130	1.44			(214)	
GRP50866	15	1158	1217	1204	S15	W38	.622	12849	12.6	19	--F				.50				2 2 2 2
TEHR	15	1158E	1220D	1202U	S14	W38	.620	12849	12.6	22D	-N	3	V		.50				DE
RAMY	15	1203E	1214	1205U	S16	W37	.612	12849	12.7	11D	-F	4	V		.50				DE
GRP50867	15	1254	1338	1300	S17	W62	.880	12848	10.9	44	-F				.96				3 2 2 4
RAMY	15	1254	1338	1259	S17	W64	.895	12848	10.7	44	-F	3	C		.93				DE
TEHR	15	1300E	1307D	1300U	S16	W60	.863	12848	11.0	7D	-N	2	V		.99				DE
HUAN	15	1308	1331	1312U	S13	W61	.870	12848	11.0	23	-N	1	C						
GRP50868	15	1308	1429	1318	S14	W38	.620	12849	12.7	81	-N				1.35				3 3 3 5
BOUL	15	1308	1440	1317	S14	W36	.593	12849	12.8	92	-N		C	1317	1.07	1.33			
HUAN	15	1308	1417	1319	S14	W37	.607	12849	12.8	69	-N	1	C	1319	1.44	1.82			
HUAN	15	1308	1417	1314	S14	W37	.607	12849	12.8	69	-N	1	C	1314	.77	1.13			E
MCMA	15	1321E	1410D		S14	W40	.646	12849	12.6	49D	1N		P	1321	1.55	2.00			E
GRP50869	15	1555	1610	1558	S08	E69	.930	12864	20.8	15	--F				.32				2 2 2 3
BOUL	15	1555	1600D	1557	S09	E71	.942	12864	21.0	5D	-F		C	1557	.32	.87			
RAMY	15	1557E	1610	1558U	S07	E67	.917	12864	20.7	13D	-N	3	V		.31				DE
870 HUAN	15	1717	1725	1722	S13	W64	.894	12848	10.9	8	--F	1	C						2
871 HUAN	15	1741	1752D	1745	S14	W63	.887	12848	11.0	11D	-N	1	P	1745	.83	1.74			CE 3
GRP50872	15	1758	1809	(1800)	S12	W61	.870	12848	11.2	11	-N				.83				1 1 1 3
HUAN	15	1758E	1809D		S09	W62	.879	12848	11.1	11D	-N	1	P	1800	.83	1.74			C
HUAN	15	1807E	1809D		S15	W61	.871	12848	11.2	2D	-F	1	P						CE
GRP50873	15	1824	1845	1840	S11	W64	.895	12848	11.0	21	--N				.59				2 2 2 3
HUAN	15	1824	1845D	1839	S09	W64	.895	12848	11.0	21D	-N	1	C	1839	.41	.90			
RAMY	15	1838C	1845D	1840U	S12	W63	.887	12848	11.1	7D	-N	3	V		.77				DE
874 HUAN	15	1851E	1904	1853	S12	W64	.894	12848	11.0	13D	--F	1	P						2
GRP50875	15	1858	1907	1859	S14	W41	.659	12849	12.7	9	--F				.43				2 2 2 3
HUAN	15	1854	1907	1856	S14	W42	.671	12849	12.6	13	-F	1	C	1856	.41	.55			
PALE	15	1901	1907D	1902	S14	W40	.646	12849	12.8	6D	-F	3	C		.44				F
877 HUAN	15	1940	1944	1941	S11	W61	.870	12848	11.2	4	--F	1	C	1941	.52	1.01			3
878 HUAN	15	2006	2008D		S13	W64	.894	12848	11.0	2D	--F	1	P						2
879 HUAN	15	2126	2134	2131	S11	W65	.902	12848	11.0	8	--F	1	C						E 2
	15	2315	2318	NO FLARE PATROL															
GRP50880	15	2351	0029	2353	S08	W65	.903	12848	11.1	38	-N				1.08				2 2 2 2
PALE	15	2351	0022	2353	S06	W64	.896	12848	11.2	31	-N	3	C		.60				OE
MANI	15	2352E	0035	2352U	S09	W65	.902	12848	11.1	43D	-N	1		2352	.93	1.83			F
MANI	15	2352E	0035	0020	S09	W65	.902	12848	11.1	43D	1N			0020	1.59	3.09			

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GRP50882	16	0043	0115	0052	S14	W45	.708	12849	12.7	32	-N				.80				2 2 2 4
PALE	16	0034	0116	0051	S13	W44	.695	12849	12.7	42	-N	3	C		.65				F
PALE	16	0034	0116	0036	S13	W44	.695	12849	12.7	42	-N	3	C		.43				F
PALE	16	0035E	0116	0051U	S14	W44	.696	12849	12.7	41D	-N	3	V		.67				F
MANI	16	0050	0114	0053	S14	W46	.720	12849	12.6	24	-N	2		0053	.93	1.37			
885 PALE	16	0220	0233	0222	S13	W45	.707	12849	12.7	13	--F	3	C		.46				F 3
GRP50887	16	0236	0305	0239	S15	W48	.744	12849	12.5	29	-N				1.65				2 2 2 3
MANI	16	0236	0305D	0240	S13	W49	.753	12849	12.4	29D	1N	2		0240	2.06	3.18			FU
PALE	16	0237E	0242D	0238	S14	W48	.743	12849	12.5	5D	-N	3	C		1.24				DE U
MANI	16	0255	0305D	0300	S18	W45	.715	12849	12.7	10D	-N	2		0300	.21	.30			
GRP50888	16	0238	0246	0240	S10	W66	.910	12848	11.2	8	-N				.67				2 2 2 3
PALE	16	0237E	0242D	0238	S09	W65	.903	12848	11.2	5D	-N	3	C		.72				F
MANI	16	0238	0246	0241	S10	W67	.917	12848	11.1	8	-N	2		0241	.62	1.26			
	16	0325	0328	NO FLARE PATROL															
	16	0359	0409	NO FLARE PATROL															
GRP50890	16	0537	0612	0559	S12	W71	.941	12848	10.9	35	--F				.59				2 2 2 5
TEHR	16	0537E	0612D	0558U	S11	W70	.936	12848	11.0	35D	-F	2	C		.25				F
MANI	16	0559E	0612D	0600U	S12	W71	.941	12848	10.9	13D	-N	1		0600	.93	2.02			
GRP50891	16	0541	0622	0545	S13	W50	.764	12849	12.5	41	-N				.85				2 1 1 5
ATHN	16	0541	0622	0545	S13	W50	.764	12849	12.5	41	-N	1		0545	.85	.95			
MANI	16	0559E	0612D	0600U	S12	W50	.763	12849	12.5	13D	-N	1		0600	1.03	1.59			
GRP50892	16	0732	0807	0740	S13	W50	.764	12849	12.6	35	1B				2.04				2 2 2 3
ATHN	16	0732	0739D	0739D	S14	W51	.776	12849	12.5	7D	1B	4	V		1.98				F
TEHR	16	0740E	0807D	0740U	S12	W49	.752	12849	12.6	27D	1B	2	C		2.09				F
893 ARCE	16	0822E	0831		S14	W51	.776	12849	12.5	9D	--F		C	0823	.61	1.00			B 3
GRP50895	16	0856	0905	0857	S11	W73	.953	12848	10.9	9	-F				.77				3 2 2 4
ATHN	16	0855	0910	0857	S13	W73	.952	12848	10.9	15	-N	1		0857	1.02	1.11			
MEUD	16	0856	0900	0857	S09	W72	.948	12848	11.0	4	-F		C	0857	.52				D
ARCE	16	0906E	0920D		S09	W75	.963	12848	10.8	14D	-N		C	0910	.51				
GRP50896	16	0927	0932	0929	S14	W70	.935	12848	11.1	5	--F				.42				2 2 2 3
MEUD	16	0927	0933	0928	S15	W67	.916	12848	11.4	6	-F		C	0928	.31				D
ATHN	16	0927	0931	0930	S13	W73	.952	12848	10.9	4	-N	1		0930	.52	.84			
GRP50897	16	1000	1015	1004	S14	W52	.786	12849	12.5	15	-N				1.08				4 4 4 4
MEUD	16	0956	1010	1001	S14	W52	.786	12849	12.5	14	-N		C	1001	1.13	1.80			
TEHR	16	0959E	1009D	0959U	S14	W50	.765	12849	12.7	10D	-N	2	C		1.09				F
ARCE	16	1000E	1106D		S13	W53	.796	12849	12.4	66D	-N		C	1000	1.08	1.80			
ATHN	16	1005	1020	1007	S14	W52	.786	12849	12.5	15	-N	1		1007	1.02	1.13			
GRP50899	16	1102	1121	1108	S09	W73	.953	12848	11.0	19	-N				.73				5 5 5 6
MEUD	16	1102	1107D		S09	W73	.953	12848	11.0	5D	-N		C	1106	.52				
CATA	16	1102E	1110D	1110	S10	W73	.953	12848	11.0	8D	-B	1	P	1110	.58			(240)	
ATHN	16	1103	1119	1105	S10	W72	.948	12848	11.1	16	-N	1		1105	.85	1.50			
RAMY	16	1105E	1122	1109U	S10	W71	.942	12848	11.1	17D	-N	3	V		.83				DE
ARCE	16	1106E	1106D		S08	W75	.963	12848	10.8		-B		P	1106	.89				C
GRP50900	16	1202	1212	1205	S16	W69	.929	12848	11.3	10	-B				.52				2 2 2 4
MCMA	16	1200	1216	1205	S16	W70	.935	12848	11.3	16	-B		C	1205	.52	1.50			E
MEUD	16	1203	1208	1204	S15	W68	.923	12848	11.4	5	-N		C	1204	.52				
GRP50901	16	1210	1220	1212	S16	W50	.767	12849	12.8	10	--F				.52				3 3 3 5
MCMA	16	1209	1224	1212	S18	W50	.770	12849	12.8	15	-N		C	1212	.57	.90			ET
RAMY	16	1210E	1220D	1213U	S13	W49	.753	12849	12.8	10D	-F	4	V		.46				DE
MEUD	16	1210	1217	1212	S18	W50	.770	12849	12.8	7	-F		C	1212	.52	.80			
GRP50905	16	1311	1325	1315	S14	E61	.871	12868	21.1	14	--F				.29				2 2 2 7
MCMA	16	1310	1325	1315	S14	E60	.862	12868	21.0	15	-N		C	1315	.26	.50			D
BOUL	16	1312	1325	1315	S14	E61	.871	12868	21.1	13	-F		C	1315	.32	.66			
GRP50907	16	1349	1402	1349	S14	W55	.817	12849	12.5	13	--N				.56				3 3 3 6
BOUL	16	1330U	1420U	1348	S13	W55	.816	12849	12.4	50D	-N		C	1348	.64	1.13			
MEUD	16	1349	1352	1350	S14	W54	.807	12849	12.5	3	-N		C	1350	.52	.80			
MCMA	16	1349	1355	1350	S14	W55	.817	12849	12.5	6	-N		C	1350	.52	.90			E

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GRP50908	16	1430	1451	1432	S13	W54	.806	12849	12.6	21	--N				.57				5 5 5 5
RAMY	16	1430E	1458D	1432U	S13	W55	.816	12849	12.5	28D	-B	4	V		.62				DE
MCMA	16	1430	1458	1435	S14	W55	.817	12849	12.5	28	-N		C	1435	.31	.50			D
ATHN	16	1430	1442D	1432	S14	W54	.807	12849	12.6	12D	-B	4	V		.33				F
MEUD	16	1430	1440	1431	S12	W55	.816	12849	12.5	10	-N		C	1431	.52	.80			
BOUL	16	1430	1458	1431	S14	W53	.797	12849	12.6	28	-N		C	1431	1.07	1.79			
GRP50909	16	1620	1649	1625	S13	W55	.816	12849	12.6	29	1B				1.60				5 5 5 5
BOUL	16	1616	1645	1625	S13	W55	.816	12849	12.6	29	1B		C	1625	1.29	2.26			
MCMA	16	1620	1800D	1625	S14	W56	.826	12849	12.5	100D	1B		C	1625	1.65	3.00			EJK
MCMA	16	1620	1800D	1710	S14	W56	.826	12849	12.5	100D	1B		C	1625	1.65	3.00			EJK
RAMY	16	1623	1655	1625	S14	W55	.817	12849	12.6	32	1B	4	V		2.31				F
UPIC	16	1629E	1646D		S13	W55	.816	12849	12.6	17D	1B	3	P	1629	2.10				
HUAN	16	1632E	1633D		S12	W55	.816	12849	12.6	1D	-N	1	P	1632	.67	1.14			E
GRP50910	16	1714	1735	1717	S16	W74	.957	12848	11.2	21	--F				.28				3 3 3 4
MCMA	16	1713	1735	1716	S16	W73	.952	12848	11.2	22	-F		C	1716	.26	.70			D
HUAN	16	1714	1717D		S15	W73	.952	12848	11.2	3D	-F	1	P	1716	.26				D
RAMY	16	1715	1722D	1717	S16	W75	.962	12848	11.1	7D	-F	4	V		.33				DE
GRP50911	16	1728	1749	1738	S14	E58	.845	12868	21.1	21	--F				.27				2 2 2 3
MCMA	16	1728	1750	1738	S13	E57	.835	12868	21.0	22	-F		C	1738	.26	.50			D
RAMY	16	1738E	1747	1738U	S14	E58	.845	12868	21.1	9D	-F	4	V		.28				DE
GRP50912	16	1815	1845	1824	S13	W57	.835	12849	12.5	30	--F				.27				3 3 3 4
BOUL	16	1813	1835D	1824	S12	W58	.844	12849	12.4	22D	-F		C	1824	.21	.40			
PALE	16	1817	1832D	1819	S14	W56	.826	12849	12.6	15D	-F	2	C		.31				F
RAMY	16	1827E	1845D	1830	S14	W58	.845	12849	12.4	18D	-F	4	V		.28				DE
GRP50913	16	1906	1919	1911	S17	W54	.809	12849	12.7	13	--F				.42				3 3 3 5
BOUL	16	1906	1919	1912	S18	W54	.810	12849	12.7	13	-F		C	1912	.32	.55			
PALE	16	1908E	1916	1909U	S17	W54	.809	12849	12.7	8D	-F	2	V		.62				DE
RAMY	16	1910E	1917	1911U	S19	W54	.811	12849	12.7	7D	-F	4	V		.33				DE
BOUL	16	1912	1924	1919	S14	W55	.817	12849	12.7	12	-F		C	1919	.11	.19			
GRP50914	16	1916	1952	1922	S14	W57	.836	12849	12.5	36	--N				.43				3 3 3 5
MCMA	16	1910E	2000		S14	W57	.836	12849	12.5	50D	-N		C	1921	.62	1.10			EK
HUAN	16	1918	1952		S13	W59	.853	12849	12.4	34	-F	1	P	1923	.21	.37			D
PALE	16	1919	1945	1922	S15	W56	.827	12849	12.6	26	-N	2	C		.46				DE
GRP50916	16	2019	2042	2021	S15	W60	.863	12849	12.3	23	-N				.50				2 2 2 3
PALE	16	2018	2056	2019	S13	W59	.853	12849	12.4	38	-N	2	V		.36				F
BOUL	16	2020	2028	2022	S16	W61	.871	12849	12.3	8	-N		C	2022	.64	1.32			
50916	16	2032	2145	2036	S14	W57	.836	12849	12.6	73	*-F				.37				2 2 2 3
BOUL	16	2032	2039	2035	S14	W56	.826	12849	12.7	7	-F		C	2035	.21	.39			
MCMA	16	2032	2145D	2036	S14	W57	.836	12849	12.6	73D	-N		C	2036	.52	1.00			E
GRP50917	16	2147	2214	2151	S15	W58	.845	12849	12.6	27	-B				.97				2 2 2 4
MCMA	16	2147	2215	2151	S14	W57	.836	12849	12.6	28	-B		C	2151	.83	1.40			E
VORO	16	2150E	2212		S15	W59	.854	12849	12.5	22D	1N		C	2150	1.11	2.10		80	CEJ
GRP50918	16	2238	2249	2241	S12	W82	.988	12848	10.8	11	1F				.68				2 2 2 4
VORO	16	2238	2251	2240	S14	W84	.992	12848	10.6	13	2F		C	2240	.93	6.30		72	EHJ
BOUL	16	2241E	2246	2242	S09	W79	.979	12848	11.0	5D	-F		C	2242	.43	1.41			
GRP50922	17	0054	0118	0102	S15	W59	.854	12849	12.6	24	-N				.82				3 3 3 4
MANI	17	0047	0116	0102	S14	W60	.863	12849	12.5	29	-N	2		0102	.93	1.69			F
PALE	17	0056	0109	0102	S15	W58	.845	12849	12.7	13	-F	2	C		.60				F
VORO	17	0059	0130D	0103	S15	W60	.863	12849	12.5	31D	-B		C	0103	.93	1.70		74	EJ
GRP50925	17	0423	0502	0431	S14	W85	.994	12848	10.8	39	-N				.83				2 2 2 4
MITK	17	0423	0501	0425	S14	W88	.998	12848	10.6	38	1N		C	0425	1.24				9
MANI	17	0437E	0503D	0437U	S14	W86	.996	12848	10.7	26D	-N	2		0437	.41	1.20			
MANI	17	0453	0456	0454	S12	W78	.975	12848	11.4	3	-N	2		0454	.10	.26			
926 MANI	17	0440	0503D	0453	S15	W61	.871	12849	12.6	23D	--N	2		0453	.62	1.16			F 2
GRP50927	17	0558	0608	0600	S13	W64	.895	12849	12.4	10	1F				2.14				2 2 2 2
UPIC	17	0555E	0606D		S12	W63	.887	12849	12.5	11D	-F	3	P	0600	.63				
TACH	17	0600	0608	0600	S13	W65	.902	12849	12.4	8	2F		V	0600	3.65		2.17	54	E
	17	0615	0617	NO FLARE PATROL															
928 MANI	17	0617E	0622		S13	W62	.879	12849	12.6	5D	--F	1			.72	1.36			F 2
	17	0623	0700	NO FLARE PATROL															

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	DATE APR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP50929	17	0700	0725	0720	S15	W90	1.000	12848	10.5	25	1N				.87				2 1 1 2
CATA	17	0700E	0725D	0720	S15	W90	1.000	12848	10.5	25D	1N	3	P	0720	.87			(178)	
ABST	17	0704E	0709D	0705	S14	W90	1.000	12848	10.5	5D	1F		P	0705	.90				AD
930 ABST	17	0704E	0709D	0705	S13	W62	.879	12849	12.6	5D	1N		P	0705	1.79	3.80			E 2
GRP50932	17	0825	0915	0825	S17	W90	1.000	12848	10.6	50	1N				.87				1 1 1 3
CATA	17	0825	0915	0825	S20	W90	.999	12848	10.6	50	1N	3	C	0825	.87			(158)	A
CATA	17	0825	0845	0825	S15	W90	1.000	12848	10.6	20	1N	3	C	0825	.58			(166)	
GRP50934	17	1140	1415	1200	S14	W66	.909	12849	12.5	155	--F				.72				3 1 1 6
RAMY	17	1137	1145	1143	S13	W64	.895	12849	12.7	8	-N	3	C		.31				DE
MCMA	17	1140E	1415	1216	S14	W66	.909	12849	12.5	155D	-F		C	1216	.72	1.80			E
UPIC	17	1156E	1223		S13	W66	.909	12849	12.5	27D	-F	3	P	1156	.42				
GRP50936	17	1405	1414	1407	S10	W90	1.000	12848	10.8	9	--F				.11				2 2 1 6
BOUL	17	1404	1415	1407	S10	W90	1.000	12848	10.8	11	-F		C	1407	.11	.44			
MCMA	17	1405	1412	1407	S10	W90	1.000	12848	10.8	7	-F		C	1407					
4 STATIONS REPORTING GROUP 50939. 2 STATIONS OBSERVING AND NOT REPORTING.																			
GRP50939	17	1518	1543	1527	S16	W66	.910	12849	12.7	25	--F				.19				2 2 2 5
BOUL	17	1518	1528	1526	S16	W66	.910	12849	12.7	10	-F		C	1526	.11	.26			
MCMA	17	1520E	1545	1528	S16	W66	.910	12849	12.7	25D	-N		C	1528	.26	.60			E
BOUL	17	1532	1540	1535	S16	W66	.910	12849	12.7	8	-F		C	1535	.11	.26			
50939	17	1510	1533	1513	S13	W68	.923	12849	12.5	23	*-F				.42				2 2 1 6
HUAN	17	1509	1518	1511	S11	W69	.930	12849	12.5	9	-F	1	P						
UPIC	17	1511	1548	1515	S15	W67	.916	12849	12.6	37	-F	3	P	1515	.42				F
GRP50940	17	1835	1859	1838	S15	W70	.935	12849	12.5	24	--F				.53				4 4 4 4
PALE	17	1834	1858	1838	S14	W73	.952	12849	12.3	24	-F	3	C		.62				F
MCMA	17	1835	1854	1836	S15	W69	.929	12849	12.6	19	-N		C	1836	.41	1.20			E
RAMY	17	1835E	1858	1839	S16	W68	.923	12849	12.7	23D	-N	3	V		.66				DE
BOUL	17	1835	1904	1840	S14	W71	.941	12849	12.4	29	-F		C	1840	.43	1.17			
GRP50941	17	1923	1932	1927	S13	W70	.936	12849	12.6	9	--F				.40				4 4 3 4
PALE	17	1922	1927D	1927	S15	W72	.947	12849	12.4	5D	-F	3	C		.36				DE
MCMA	17	1924	1931	1926	S13	W69	.929	12849	12.6	7	-N		C	1926	.31	.90			D
BOUL	17	1924	1935	1927	S12	W69	.930	12849	12.6	11	-F		C	1927	.54	1.40			
HUAN	17	1925E	1931D		S12	W69	.930	12849	12.6	6D	-F	1	P						C
942 BOUL	17	2012	2026	2018	S09	W90	1.000	12848	11.1	14	--F		C	2018	.11	.43			3
GRP50946	18	0200	0222	0202	S15	W90	1.000	12848	11.3	22	--N				.16				2 2 2 3
PALE	18	0159	0206D	0202	S16	W90	1.000	12848	11.3	7D	-N	3	C		.21				
MANI	18	0201	0210	0202	S16	W90	1.000	12848	11.3	9	-N	2		0202	.10	.34			
MANI	18	0210E	0235D	0216	S12	W90	1.000	12848	11.3	25D	-F	2		0216	.15	.50			
GRP50947	18	0445	0452	0448	S13	W76	.967	12849	12.5	7	--F				.68				2 2 2 4
MITK	18	0445	0451	0447	S13	W76	.967	12849	12.5	6	-F		C	0447	.83				4
MANI	18	0445	0453	0448	S12	W76	.967	12849	12.5	8	-N	2		0448	.52	1.22			
GRP50948	18	0537	0658	0548	S12	W35	.576	12856	15.6	81	-F				1.16				2 2 2 4
UPIC	18	0527	0720D	0547U	S11	W34	.561	12856	15.7	113D	1N	3	P	0547	1.90				K
MANI	18	0547	0602	0548	S12	W35	.576	12856	15.6	15	-F	2		0548	.41	.51			F
MANI	18	0606	0620	0609	S13	W36	.592	12856	15.6	14	-F	2		0609	.62	.77			F
MANI	18	0623	0635	0629	S13	W35	.578	12856	15.6	12	-F	2		0629	.31	.38			F
GRP50950	18	1050	1054	1052	S12	W77	.971	12849	12.7	4	-F				.36				2 2 2 6
MONT	18	1050	1054	1052	S12	W77	.971	12849	12.7	4	-N		C	1052	.41				D
MEUD	18	1050	1050D		S12	W77	.971	12849	12.7		-F		C	1050	.31				D
GRP50952	18	1115	1145	1123	S17	W74	.957	12849	12.9	30	-F				.52				3 2 2 5
MONT	18	1115	1145D	1127	S16	W73	.952	12849	13.0	30D	-N		C	1127	.52				E
MEUD	18	1115	1132D	1118	S18	W74	.957	12849	12.9	17D	-F		C	1118	.52				E
CATA	18	1130E	1135D	1135	S19	W74	.957	12849	12.9	5D	-N	3	P	1135	.58			(182)	
GRP50956	18	1512	1519	1514	S13	W82	.988	12849	12.5	7	--F				.30				2 2 2 5
HUAN	18	1512	1515	1513	S12	W82	.988	12849	12.5	3	-F	1	C	1513	.31				
RAMY	18	1513E	1522	1514	S13	W82	.988	12849	12.5	9D	-N	4	V		.28				DE
	18	1719	1926	NO FLARE PATROL															
960 BOUL	18	1733	1744	1734	S13	W39	.632	12856	15.8	11	-N		V	1734		.40			1
	18	2020	2024	NO FLARE PATROL															
961 HUAN	18	2047	2052	2049	S11	W45	.705	12856	15.5	5	--F	1	C						1

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	18	2115	2120	NO FLARE PATROL															
962 BOUL	18	2152	2209	2157	S15	W41	.661	12856	15.8	17	--F		C	2157	.21	.28			1
GRP50965	19	0854	0904	0857	S12	W51	.775	12856	15.5	10	--F				.52				2 2 2 5
MONT	19	0853	0907	0857	S11	W51	.774	12856	15.5	14	-N		C	0857	.41				
MEUD	19	0855	0900	0857	S12	W50	.764	12856	15.6	5	-F		C	0857	.62	.90			
4 STATIONS REPORTING GROUP 50966. 1 STATIONS OBSERVING AND NOT REPORTING.																			
GRP50966	19	1006	1034	1011	S12	W51	.775	12856	15.6	28	-N				.73				3 3 3 4
UPIC	19	0946E	1058U	1011U	S12	W52	.786	12856	15.5	72D	-N	3	P	1011	1.26				K
MEUD	19	1006	1012	1011	S12	W51	.775	12856	15.6	6	-N		C	1011	.52	.80			
MONT	19	1006	1032	1010	S11	W50	.763	12856	15.7	26	-N		C	1010	.41				H
50966	19	1021	1035	1022	S12	W53	.796	12856	15.5	14	*-F				.65				2 2 2 7
MEUD	19	1021	1030	1022	S12	W52	.786	12856	15.5	9	-F		C	1022	.83	1.20			
ARCE	19	1034E	1040D		S12	W53	.796	12856	15.5	6D	-N		C	1040	.47	.80			
GRP50968	19	1444	1500	1447	S17	W89	.999	12849	12.9	16	-N								2 2 0 3
RAMY	19	1443	1505		S19	W88	.998	12849	13.0	22	-N	4	C						
ATHN	19	1444	1455	1447	S15	W90	1.000	12849	12.9	11	-N	2	C						DE
GRP50969	19	1515	1546	1523	S16	W56	.828	12856	15.4	31	1F				1.70				3 3 3 6
RAMY	19	1512	1555	1523	S17	W53	.800	12856	15.7	43	1F	4	C		1.86				F
UPIC	19	1514	1548U	1521	S12	W54	.806	12856	15.6	34D	1F	3	P	1521	2.29				F
ATHN	19	1520	1536	1523	S19	W62	.882	12856	15.0	16	-F	2	C		.50				F
RAMY	19	1524E	1524D	1524D	S17	W53	.800	12856	15.7		1F	4	V		2.31				F
	19	2101	2113	NO FLARE PATROL															
970 VORO	20	0121	0147	0126	S09	W45	.704	12870	16.7	26	--B		C	0126	.56	.80		64	E 4
	20	0207	0215	NO FLARE PATROL															
	20	0641	0645	NO FLARE PATROL															
GRP50972	20	0742	0810	0744	S13	W62	.879	12856	15.7	28	-N				.62				2 1 1 5
MANI	20	0742E	0810D	0744U	S13	W62	.879	12856	15.7	28D	-N	1		0744	.62	1.16			F
ARCE	20	0800E	0810D		S13	W62	.879	12856	15.7	10D	-N		P	0800	1.11				B
GRP50973	20	0836	0905	0842	S13	W63	.887	12856	15.6	29	-N				.47				3 3 3 4
MONT	20	0830	0859	0839	S12	W62	.879	12856	15.7	29	-N		C	0839	.21				HK
ARCE	20	0835E	0920D		S12	W64	.895	12856	15.6	45D	-B		C	0848	.51				
ATHN	20	0843	0855	0844	S14	W63	.888	12856	15.6	12	-F	1		0844	.68	1.03			
GRP50975	20	1053	1105	1055	S13	W63	.887	12856	15.7	12	--F				.36				2 2 2 6
MONT	20	1052	1112	1054	S12	W63	.887	12856	15.7	20	-N		C	1054	.41				E
MEUD	20	1053	1058	1055	S13	W63	.887	12856	15.7	5	-F		C	1055	.31	.60			
979 BOUL	20	1757	1810	1803	S13	W74	.958	12856	15.2	13	--F		C	1803	.21	.64			3
	20	2007	2042	NO FLARE PATROL															
	20	2057	2104	NO FLARE PATROL															
	20	2113	2117	NO FLARE PATROL															
	20	2118	2121	NO FLARE PATROL															
	20	2217	0012	NO FLARE PATROL															
980 MANI	21	0018E	0025D	0023	S13	W73	.953	12856	15.5	7D	-N	1		0023	.62	1.38			3
	21	0039	0044	NO FLARE PATROL															
	21	0050	0105	NO FLARE PATROL															
GRP50984	21	1449	1454	1449	S14	W80	.982	12856	15.6	5	-B				.50				2 2 2 4
MEUD	21	1448	1452	1448	S13	W79	.979	12856	15.7	4	-N		C	1448	.41				D
CATA	21	1450	1455	1450	S15	W80	.982	12856	15.6	5	1B	3	C	1450	.58			(214)	
985 PALE	22	0126	0137	0128	S05	W83	.992	12856	15.8	11	--F	2	C		.19				2
	22	0205	0220	NO FLARE PATROL															
986 MANI	22	0612E	0615D	0612U	S15	W90	1.000	12856	15.5	3D	--N	1		0612	.21	.67			2
987 MONT	22	0809	0813	0810	S14	W90	1.000	12856	15.6	4	--F		C	0810	.21				3

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OBSERV-ATORY	OBSERVED UT				LOCATION					DURA-TION	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE APR	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	MIN.		COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
989 BOUL	22	1346	1402	1349	S07	W90	1.000	12856	15.8	16	--F		C	1349	.43	1.73			2
	23	2142	2148	NO FLARE PATROL															
	23	2156	2235	NO FLARE PATROL															
	24	0053	0055	NO FLARE PATROL															
	24	0057	0059	NO FLARE PATROL															
	24	0210	0215	NO FLARE PATROL															
	24	0905	1000	NO FLARE PATROL															
993 ARCE	24	0950E	1029		S09	E18	.315	12884	25.8	39D	--N		C	1013	.90	.90			K 1
	24	1013	1019	NO FLARE PATROL															
GRP50998	24	1717	1731	1722	S09	E16	.283	12884	25.9	14	--F				.26				2 2 1 4
HUAN	24	1716	1726	1718	S09	E16	.283	12884	25.9	10	-F	1	C						
MCMA	24	1718	1735D	1725	S08	E15	.263	12884	25.8	17D	-F		C	1725	.26	.30			D
	24	2212	2220	NO FLARE PATROL															
999 MANI	25	0027E	0055	0032	S08	E10	.181	12884	25.8	28D	-N	2		0032	1.03	1.05			F 1
	25	0200	0202	NO FLARE PATROL															
GRP51001	25	1344	1357	1351	S10	W84	.993	12892	19.3	13	--F				.11				2 2 1 5
HUAN	25	1340	1352		S09	W85	.995	12892	19.2	12	-F	1	C						T
BOUL	25	1348	1401	1351	S10	W83	.991	12892	19.3	13	-F		C	1348	.11	.38			
	25	1443	1444	NO FLARE PATROL															
GRP51003	25	1602	1622	1610	S10	W86	.997	12892	19.2	20	--F				.35				2 2 2 3
BOUL	25	1559	1625	1610	S11	W83	.991	12892	19.4	26	-F		C	1610	.43	1.50			
HUAN	25	1605	1618	1609U	S09	W88	.999	12892	19.1	13	-F	1	C	1609	.26				
004 HUAN	25	1904	1909	1906	S10	W88	.999	12892	19.2	5	--F	1	C	1906	.15				D 1
005 HUAN	25	1931	1942	1933U	S09	E02	.081	12884	26.0	11	--F	2	C	1933	.36				E 2
006 HUAN	25	1950	2007	2000	S09	E02	.081	12884	26.0	17	--F	1	C	2000	.26				D 2
007 HUAN	25	2013	2029	2018U	S09	E01	.076	12884	25.9	16	--N	1	C	2018	.41				E 2
	25	2356	0008	NO FLARE PATROL															
GRP51008	26	0155	0225	0200	S07	W04	.080	12884	25.8	30	-N				1.24				2 1 1 2
MANI	26	0155	0225D	0200	S07	W04	.080	12884	25.8	30D	-N	2		0200	1.24	1.24			FE
KODA	26	0206E	0227	0219	S08	W05	.104	12884	25.7	21D	-N		P	0206	.97	1.00	1.64		E
009 MANI	26	0651E	0654D	0652U	S08	W07	.134	12884	25.8	30	--F	1		0652	.41	.42			1
	26	0654	0700	NO FLARE PATROL															
	26	0835	0850	NO FLARE PATROL															
	26	0900	0910	NO FLARE PATROL															
	26	0915	0920	NO FLARE PATROL															
	27	0210	0217	NO FLARE PATROL															
010 MANI	27	0218	0238	0221	S07	W18	.310	12884	25.7	20	--N	2		0221	.41	.44			F 2
013 MANI	27	0810E	0848	0810U	S06	W20	.341	12884	25.8	38D	--N	1		0810	.41	.44			2
014 MANI	27	0810E	0848	0825	S06	W20	.341	12884	25.8	38D	--N			0825	.41	.44			2
GRP51015	27	1507	1538	1512	S08	W25	.424	12884	25.8	31	--F				.73				3 2 2 4
RAMY	27	1506E	1531	1511	S08	W25	.424	12884	25.8	25D	-F	3	C		.84				DE
MCMA	27	1508	1545	1513	S08	W24	.408	12884	25.8	37	-N		C	1513	.62	.70			E
HUAN	27	1521E	1535		S07	W24	.407	12884	25.8	14D	-F	1	C	1524	.36				E

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OBSERVATORY	OBSERVED UT DATE APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
GRP51016	27	1744	1817	1756	S07	W26	.438	12884	25.8	33	--N				.72				5 4 4 5
HUAN	27	1742	1819D		S06	W26	.437	12884	25.8	37D	-N	1	P	1755	.31				
BOUL	27	1744	1811	1754	S06	W26	.437	12884	25.8	27	-N		C	1754	.86	.95			
MCMA	27	1745	1822D	1753	S08	W25	.424	12884	25.9	37D	-N		C	1753	.62	.70			E
PALE	27	1749E	1807D	1749U	S07	W26	.438	12884	25.8	18D	-N	3	C		1.08				F
RAMY	27	1805E	1824	1807U	S08	W27	.455	12884	25.7	19D	-N	3	C		.84				DE
	27	2328	2335	NO FLARE PATROL															
017 MANI	27	2338	2359D	2340	S06	W28	.468	12884	25.9	21D	--F	1		2340	.62	.70			2
	27	2400	0001	NO FLARE PATROL															
	28	0234	0235	NO FLARE PATROL															
018 MANI	28	0441	0501	0448	S06	W32	.528	12884	25.8	20	--F	2		0448	.52	.61			F 2
	28	1000	1010	NO FLARE PATROL															
	28	1728	1733	NO FLARE PATROL															
GRP51020	29	0126	0140	0126	S06	W44	.693	12884	25.8	14	--F				.70				2 1 1 3
PALE	29	0126E	0140	0126U	S06	W44	.693	12884	25.8	14D	-F	2	C		.70				F
MANI	29	0137E	0146D	0140U	S08	W44	.693	12884	25.8	9D	-F	2		0140	.62	.86			F
021 PALE	29	0224E	0230	0225	S06	E85	.996	12904	4.5	6D	--F	2	C		.54				F 3
	29	0359	0404	NO FLARE PATROL															
	29	0414	0418	NO FLARE PATROL															
	29	0420	0422	NO FLARE PATROL															
	29	0428	0430	NO FLARE PATROL															
	29	0610	0650	NO FLARE PATROL															
	29	0702	0705	NO FLARE PATROL															
GRP51023	29	1255	1305	1257	S07	W51	.775	12884	25.7	10	--F				.32				2 2 2 3
RAMY	29	1254	1305	1257	S07	W52	.786	12884	25.6	11	-F	4	C		.37				DE
HUAN	29	1255	1305	1257	S06	W50	.764	12884	25.8	10	-F	2	C	1257	.26				
024 HUAN	29	1349	1355	1351	S11	E90	1.000	12906	5.3	6	--F	2	C	1351	.21				D 3
	29	2008	2018	NO FLARE PATROL															
	29	2025	2033	NO FLARE PATROL															
	29	2044	2049	NO FLARE PATROL															
	29	2118	2159	NO FLARE PATROL															
	29	2225	2230	NO FLARE PATROL															
	29	2235	2300	NO FLARE PATROL															
027 ABST	30	0610	0627	0612	S13	E80	.983	12906	5.3	17	1F		C	0612	.90				D 2
	30	0840	0850	NO FLARE PATROL															
028 CATA	30	0945	1015	0955	S03	E68	.926	12904	4.5	30	1N	3	C	0955	1.16			(195)	1
	30	1035	1056	NO FLARE PATROL															
	30	1101	1110	NO FLARE PATROL															
GRP51029	30	1304	1325	1307	S09	E90	1.000	12906	7.3	21	-N				.45				3 3 2 3
HUAN	30	1302	1325	1308	S10	E90	1.000	12906	6.3	23	-N	2	C	1308	.36				
RAMY	30	1304	1325	1306	S07	E90	1.000	12906	6.3	21	-B	3	C						
BOUL	30	1306	1325	1308	S11	E90	1.000	12906	6.3	19	1N		C	1308	.54	2.17			
030 RAMY	30	1430	1456D	1431	S07	E90	1.000	12906	6.4	26D	--F	3	C						3
031 HUAN	30	1459	1508	1500	S03	E68	.926	12904	4.7	9	--F	2	C						2
032 BOUL	30	1512	1530	1520	S07	E90	1.000	12906	6.4	18	--F		C	1520	.21	.86			2

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION	IMPORTANCE	OBS.			MEASUREMENTS					REMARKS
	DATE APR	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	MIN.		COND.		TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
GRP51033	30	1604	1616	1608	S10	E85	.995	12906	7.0	12	--F					.21				2 2 2 3
BOUL	30	1603	1615	1607	S10	E82	.989	12906	5.8	12	-F			C	1607	.21	.75			
HUAN	30	1604	1617	1609	S10	E88	.999	12906	6.3	13	-F	1		C	1609	.21				D
GRP51035	30	1757	1825	1804	S10	E86	.997	12906	7.2	28	-B					.63				4 4 3 4
HUAN	30	1755	1821	1802U	S10	E88	.999	12906	6.3	26	-B	1		P	1802	.57				Y
RAMY	30	1755	1819	1802	S07	E88	.999	12906	6.3	24	-B	4		C						F
PALE	30	1758	1822	1810	S10	E85	.995	12906	6.1	24	-B	3		C		.77				DE
BOUL	30	1759	1836	1801	S11	E83	.991	12906	6.0	37	-B			C	1801	.54	1.88			

A = Eruptive prominence whose base is less than 90° 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 a 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 calcium II lines H and K.
P = Flare shows helium D_3 in emission.
Q = Flare shows the Balmer continuum in emission.
R = Marked assymetry in Hα line suggests ejection of high velocity material.
S = Brightness follows disappearance of filament (same position).
T = Region active all day.
U = Two bright branches, parallel (||) or converging (Y).
V = Occurrence of an explosive phase: important and abrupt expansion in about a minute with or without important intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide Hα line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

Note:
A line of explanation has been added before each flare event having more than one maxima. The total number of stations reporting some part of the event is given. The number of stations observing at the time of the principal maximum but not reporting the event is given in the second statement. Care should be exercised in utilizing the numbers in the remarks column. The first number is the number of stations reporting the individual maximum, and not the total number of stations reporting some part of the flare event. The last number is the number of stations reporting at the time of the individual maximum and not necessarily the total number of stations observing during the flare event. GRP numbers may appear several times in order to indicate secondary maxima. An asterisk beside an importance indicates a secondary maximum. The word "GRP" has also been omitted to aid in pointing to this condition.
When it is impossible to determine the time of Maximum Phase from the individual reports the time of Area Measurements is used. This time appears in parentheses. For Flares reported by only one station the last 3 digits of the group number appear to the left of the station code.

In the importance column "--" signifies the subflare has been confirmed by the NOAA grouping program but is not included in the I.A.U. Quarterly Bulletin on Solar Activity. These subflares are also not included in the Flare Index below.

DAILY FLARE INDICES

Date	Flare Index	HR OBS	Date	Flare Index	HR OBS	Date	Flare Index	HR OBS
740401	1.35	23.5	740412	14.37	22.8	740422	0.23	23.5
740402	0.00	23.5	740413	451.85	24.0	740423	0.00	23.3
740403	0.00	22.2	740414	59.12	24.0	740424	0.00	22.7
740404	0.00	22.5	740415	52.56	24.0	740425	5.60	23.8
740405	3.00	23.9	740416	41.65	23.8	740426	6.12	23.4
740407	1.62	23.4	740417	57.35	23.4	740427	0.00	23.8
740408	1.44	24.0	740418	13.01	21.7	740428	0.00	23.7
740409	0.00	23.2	740419	16.91	23.5	740429	0.00	21.5
740410	22.64	23.1	740420	3.42	21.1	740430	14.54	23.3
740411	112.44	23.5	740421	3.37	23.7			

When no Flare Index is given, it is 0 for that day.

Hα SOLAR FLARES
Unconfirmed

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OBSERVATORY	OBSERVED UT DATE APR	START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. S	REMARKS
681 MONT	04	1046	1058	1048	S11	W16	.284	12835	3.2	12	-F		C	1048	.21				5
687 MANI	06	0416	0428	0421	S10	E68	.923	12848	11.3	12	-F	2		0421	.31	.65			H 3
688 MANI	06	0523	0539	0527	S10	E68	.923	12848	11.3	16	-N	2		0527	.72	1.53			H 3
689 MANI	06	0925	0935	0928	N12	W12	.372	12837	5.5	10	-N	2		0928	.52	.56			F 5
691 MANI	06	2320	2326	2321	S11	E56	.824	12848	11.2	6	-N	2		2321	.31	.53			3
699 MANI	07	2352	0007	0000	S11	E44	.691	12848	11.3	15	-N	2		0000	.31	.44			5
704 MONT	08	0938	0945	0940	N08	E35	.611	12852	11.0	7	-F		C	0940	.21				6
705 MONT	08	1016	1033	1025	N08	E34	.598	12852	11.0	17	-F		C	1025	.21				6
706 MONT	08	1121	1130	1124	N08	E34	.598	12852	11.0	9	-N		C	1124	.21				D 5
GRP50709	08	1406	1413	1407	S17	E57	.836	12849	12.9	7	-F				.58				2 2 2 6
MEUD	08	1406	1411	1407	S15	E57	.835	12849	12.9	5	-F		C	1407	.31	.50			
UPIC	08	1409E	1415		S18	E56	.827	12849	12.8	6D	-F	3	P	1409	.85				
711 HUAN	08	1959E	2005D		S13	E37	.603	12848	11.6	6D	-F	1	P						3
713 MANI	08	2245E	2252	2247	S13	E34	.562	12848	11.5	7D	-N	1		2247	.41	.50			3
714 PALE	08	2318	2322	2320	S13	E33	.548	12848	11.4	4	-F	2	C		.27				4
717 MANI	09	0053	0120	0100	S13	E32	.534	12848	11.4	27	-N	2		0100	1.03	1.23			FH 3
718 MANI	09	0134	0143D	0139	S13	E32	.534	12848	11.5	9D	-N	2		0139	.83	.98			3
720 MANI	09	0423E	0435	0425	S13	E31	.520	12848	11.5	12D	-F	2		0425	.31	.37			4
721 MANI	09	0459	0509	0503	N12	W51	.807	12837	5.4	10	-N	2		0503	.52	.86			F 4
722 MANI	09	0516	0534	0520	S12	E30	.503	12848	11.5	18	-B	2		0520	1.13	1.33			H 4
724 MANI	09	0726	0740D	0729	S11	E25	.426	12848	11.2	14D	-N	2		0729	.21	.23			H 4
725 MONT	09	0745	0759	0748	S11	E23	.395	12848	11.0	14	-N		C	0748	.41				E 6
728 ATHN	09	1305E	1308D	1305U	S13	E23	.402	12848	11.3	3D	-N	3	C		1.16				F 8
730 BOUL	09	1428	1436	1429	S12	E12	.229	12848	10.5	8	-N		V	1436		.40			7
732 ZURI	09	1602	1614	1608	S11	E23	.395	12848	11.4	12	-F		C	1608	.85	.90			4
733 BOUL	09	1637	1642	1639	S12	E10	.200	12848	10.4	5	-F		V	1639		.50			6
734 RAMY	09	1645	1655	1647	S11	E21	.364	12848	11.3	10	-N	4	C		.33				DE 5
735 BOUL	09	1822	1838	1828	S10	E02	.077	12850	9.9	16	-F		V	1828		.80			4
742 WEND	10	0950E	0955D		S13	E14	.267	12848	11.5	5D	-N								4
746 MCMA	10	1348	1355	1350	S13	E13	.252	12848	11.6	7	-N		C	1350	.21	.20			D 4
GRP50748	10	1440	1502	1444	S12	E08	.172	12848	11.2	22	-N				.99				2 2 2 6
RAMY	10	1440E	1500D	1442U	S10	E10	.185	12848	11.4	20D	-N	4	V		1.13				DE H
UPIC	10	1445E	1502D	1445U	S13	E06	.159	12848	11.1	17D	-N	3	P	1445	.85				IT
749 RAMY	10	1450E	1505D	1450U	S04	W24	.407	12850	8.8	15D	-F	4	V		.62				DE 6
767 UPIC	11	0804E	0804D		S16	E21	.389	12849	12.9		-F	3	P	0804	.85				5
768 MANI	11	0832	0858	0836	S08	W03	.063	12848	11.1	26	-N	2		0836	1.34	1.34			F 5
769 MANI	11	0930E	0938D	0930U	S12	E01	.107	12848	11.5	8D	-N	2		0930	.52	.52			F 6
771 UPIC	11	0950	1001D		S01	W38	.619	12850	8.6	11D	-F	3	P	1001	.63				5
772 KHAR	11	1045E	1130D		S12	W03	.118	12848	11.2	45D	1F		C	1100	3.40	3.40	1.50		EH 7
773 KHAR	11	1050E	1103D		S06	W37	.599	12850	8.7	13D	-F		C	1050	1.24	1.60			E 7
774 KHAR	11	1113E	1137D	1125	S06	W38	.613	12850	8.6	24D	-F		C	1125	.83	1.10			E 6
775 KHAR	11	1156E	1216D		S12	W06	.147	12848	11.0	20D	2F		C	1156	9.64	9.60			E 5

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OBSERV-ATORY	DATE APR	OBSERVED UT START	OBSERVED UT END	OBSERVED UT MAX. PHASE	LOCATION APPROX. LAT.	LOCATION APPROX. MER. DIST.	LOCATION CENTRAL DISTANCE	LOCATION McMATH PLAGE REGION	LOCATION CMP DAY	DURATION MIN.	IMPORTANCE	OBS. COND.	OBS. TYPE	MEASUREMENTS TIME UT	MEASUREMENTS MEAS. AREA Sq. Deg.	MEASUREMENTS CORR. AREA Sq. Deg.	MEASUREMENTS MAX. WIDTH Hα	MEASUREMENTS MAX. INT. %	REMARKS	
776 UPIC	11	1409E	1409D		S04	W39	.628	12850	8.7		-F	3	P	1409	.85					5
777 UPIC	11	1456	1507D	1501	S12	W05	.136	12848	11.2	11D	1B	3	P	1501	2.10				ITF	4
778 UPIC	11	1456E	1507D	1502	S05	W39	.627	12850	8.7	11D	-F	3	P	1502	.63					4
780 UPIC	11	1541	1548	1542	S04	W40	.641	12850	8.7	7	-F	3	P	1542	1.05					4
784 MANI	12	0019	0059	0028	S12	W08	.174	12848	11.4	40	-N	2		0028	.62	.63			F	3
787 MANI	12	0230E	0240D	0230U	S04	W45	.705	12850	8.7	10D	-N	2		0230	.41	.58			F	3
788 MANI	12	0232	0240D	0234	S13	W15	.283	12848	11.0	8D	-N	2		0234	.62	.65				3
789 MANI	12	0403E	0408D	0406U	S13	W10	.211	12848	11.4	5D	-N	2		0406	.31	.32				3
790 MANI	12	0403E	0408D	0406U	S15	E09	.220	12849	12.8	5D	-N	2		0406	.31	.32				3
793 BOUL	12	1410E	1432	1420	S10	W17	.298	12848	11.3	22D	-F		C	1420	.11	.11				6
804 MANI	13	0225E	0245D	0230	S06	W61	.872	12850	8.5	20D	-F	2		0230	1.03	1.94			F	4
806 MANI	13	0305E	0318	0308	S15	W06	.190	12849	12.7	13D	-N	2		0308	1.03	1.05			F	4
807 MANI	13	0309	0325D	0315	S03	W61	.873	12850	8.6	16D	-N	2		0315	.52	.97				3
810 MANI	13	0700E	0754	0722	S06	W62	.880	12850	8.6	54D	-F	2		0722	.72	1.36			F	7
814 ATHN	13	1131	1135	1133	S04	W62	.881	12850	8.8	4	-N	1		1133	.52	.72				4
816 UPIC	13	1230E	1245D		S09	W33	.543	12848	11.0	15D	1N	3	P	1235	3.16				ITF	4
821 HUAN	13	1842	1846D		S11	W36	.587	12848	11.1	4D	-F	1	P							3
822 HUAN	13	1910E	1917D		S11	W37	.601	12848	11.0	7D	-N	1	P							5
825 MANI	13	2352	2358	2353	S06	W74	.959	12850	8.4	6	-F	2		2353	.10	.24				3
828 MANI	14	0143	0150D	0145	S12	W40	.643	12848	11.1	7D	-F	2		0145	.41	.55				3
831 ATHN	14	0500E	0524	0501	S04	W75	.965	12850	8.6	24D	-F	4	V		.33				DE	4
832 MANI	14	0506E	0512D	0512U	S13	W41	.657	12848	11.1	6D	-N	2		0512	.62	.83			FH	4
836 ATHN	14	0721	0736	0723	S11	W44	.692	12848	11.0	15	-N	1		0723	.34	.37				5
839 UPIC	14	0810E	0810D		S16	W25	.448	12849	12.5		-F	3	P	0810	.85					3
844 HUAN	14	1645	1647D		S11	W50	.763	12848	10.9	2D	-F	1	P							5
846 BOUL	14	2123	2124D	2124	S14	W29	.496	12849	12.7	1D	-F		C	2124	.11	.12				5
847 MANI	14	2325	2338	2327	S09	W51	.773	12848	11.2	13	-N	1		2327	.83	1.29			F	3
848 PALE	14	2357	0003D	0000	S12	W52	.785	12848	11.1	6D	-F	2	C		.72				F	4
849 MANI	15	0108E	0127D	0110U	S12	W53	.795	12848	11.1	19D	-N	1		0110	1.13	1.83			F	3
850 MANI	15	0222E	0248	0225U	S12	W54	.806	12848	11.0	26D	-N	1		0225	.93	1.52			F	3
851 MANI	15	0253	0312	0255	S12	W54	.806	12848	11.1	19	-F	1		0255	.41	.67			F	3
852 MANI	15	0321	0338D	0323	S08	W55	.815	12848	11.0	17D	-N	1		0323	.83	1.37			F	3
853 MANI	15	0435E	0436D	0436U	S11	W56	.825	12848	11.0	1D	-N	1		0436	.62	1.05			F	7
854 KODA	15	0445	0505	0455	S12	W52	.785	12848	11.3	20	-B		V				2.16		OC	7
856 MANI	15	0621E	0651D	0624	S12	W57	.835	12848	11.0	30D	1N	1		0624	1.24	2.14			F	4
857 MANI	15	0708E	0713D	0708U	S09	W56	.825	12848	11.1	5D	-N	1		0708	.83	1.40			F	6
GRP50859	15	0915	0936	0924	S13	W61	.870	12848	10.8	21	-N				1.34				2 2 1 4	
MANI	15	0915E	0936D	0924	S13	W60	.862	12848	10.9	21D	1N	1		0924	1.34	2.44			F	
WENO	15	0920E	0932D		S13	W61	.870	12848	10.9	12D	-N									
GRP50862	15	1033	1033	(1033)	S13	W38	.618	12849	12.6		-N				.29				1 1 1 5	
ARCE	15	1033E	1033D		S12	W40	.643	12849	12.4		-N	2	P	1033	.29	.40			TB	
ARCE	15	1033E	1033D		S14	W36	.593	12849	12.7		-F		P	1033	.58	.70				

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OBSERV-ATORY	DATE APR	OBSERVED UT START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	McMATH PLAGE REGION	CMP DAY	DURATION MIN.	IMPORTANCE	COND.	TYPE	MEASUREMENTS TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	REMARKS
876 HUAN	15	1901	1908	1904	S14	W64	.895	12848	11.0	7	-N	1	C						3
881 MANI	16	0043	0100	0048	S08	W65	.903	12848	11.2	17	-N	2		0048	.93	1.83			F 4
883 MANI	16	0132	0133D	0133U	S07	W68	.924	12848	11.0	1D	-N	2		0133	.41	.86			3
884 MANI	16	0215	0219D	0217	S13	W67	.916	12848	11.1	4D	-F	2		0217	.31	.64			3
886 PALE	16	0221E	0228	0222U	S12	W68	.923	12848	11.0	7D	-F	2	V		.52				F 3
889 MANI	16	0351E	0358D	0351U	S12	W69	.929	12848	11.0	7D	-N	2		0351	.62	1.31			F 2
894 ARCE	16	0831	0841	0831	S13	W75	.962	12848	10.7	10	-B		C	0831	.23				5
898 ATHN	16	1040	1047	1043	S13	W11	.228	12856	15.6	7	-F	1		1043	.34	.33			6
GRP50902	16	1245	1300	1248	S14	W70	.935	12848	11.3	15	-N				.31				2 1 1 6
RAMY	16	1245E	1300D	1248U	S14	W70	.935	12848	11.3	15D	-N	4	V		.31				DE
UPIC	16	1254	1308	1305	S09	W73	.953	12848	11.1	14	-N	3	P	1305	.42				IF
903 ATHN	16	1246	1252	1246	S15	W53	.797	12849	12.6	6	-N	1		1246	.34	.43			5
904 UPIC	16	1300	1316U	1306U	S13	W54	.806	12849	12.5	16D	-F	3	P	1306	.42				7
906 ATHN	16	1316	1321	1316	S15	W62	.879	12848	11.9	5	-F	1		1316	.34	.51			6
915 PALE	16	2002	2015	2004	S11	W79	.979	12848	10.9	13	-F	2	V		.72				DE 5
919 MANI	16	2250E	2317D	2250U	S12	W60	.862	12849	12.5	27D	-N	1		2250	.52	.94			4
920 MANI	16	2300E	2315	2305U	S09	W79	.979	12848	11.0	15D	-F	1		2305	.21	.52			5
921 MANI	16	2310	2317D	2312	S16	W85	.994	12848	10.6	7D	-N	1		2312	.31	.88			4
923 MANI	17	0223E	0225	0223U	S13	W79	.978	12848	11.2	2D	-N	2		0223	.21	.52			4
924 MANI	17	0257	0318D	0258	S14	W85	.994	12848	10.7	21D	-N	2		0258	.72	2.06			F 5
931 MANI	17	0740E	0750D		S13	W63	.887	12849	12.6	10D	-N	1			1.03	1.97			F 3
933 UPIC	17	1130U	1141U		S14	W85	.994	12848	11.1	11D	-F	3	P	1135	.21				5
935 CATA	17	1200E	1215D	1200	S19	W90	1.000	12848	10.8	15D	1F	3	P	1200	.87			(148)	6
937 UPIC	17	1420E	1421		S12	W67	.916	12849	12.6	1D	-F	3	P	1420	.42				4
938 BOUL	17	1442	1447	1446	S14	W90	1.000	12848	10.9	5	-F		C	1446	.21	.88			6
943 BOUL	17	2300	2320	2309	S13	W90	1.000	12848	11.2	20	-F		C	2309	.21	.88			5
944 PALE	17	2321	2332	2323	S13	W74	.957	12849	12.4	11	-N	3	C		.21				5
945 BOUL	17	2344	2355	2349	S13	W90	1.000	12848	11.2	11	-F		C	2349	.11	.44			4
949 MONT	18	1039	1046	1042	S12	W77	.971	12849	12.7	7	-F		C	1042	.21				7
951 MONT	18	1101	1106	1103	S16	W73	.952	12849	13.0	5	-N		C	1103	.21				O 5
953 UPIC	18	1256E	1302U		S11	W41	.655	12856	15.5	6D	1N	3	P	1256	2.95				B 5
954 BOUL	18	1305	1315	1310	S15	W77	.971	12849	12.8	10	-N		C	1310	.21	.67			5
955 UPIC	18	1416	1425	1416	S10	W39	.628	12856	15.7	9	-N	3	P	1416	.42				5
GRP50957	18	1512	1515	1514	S10	W38	.615	12856	15.8	3	1N				1.89				1 1 1 5
UPIC	18	1512E	1515D	1514	S12	W41	.656	12856	15.6	3D	1N	3	P	1514	1.68				
UPIC	18	1512E	1515D		S08	W36	.586	12856	15.9	3D	-F	3	P	1515	.21				
958 BOUL	18	1530	1546	1534	S13	W39	.632	12856	15.7	16	-N		V	1534		.50			5
959 BOUL	18	1707	1713	1709	S13	W40	.645	12856	15.7	6	-N		V	1709		.30			3
963 MONT	19	0805	0811	0807	S13	W49	.754	12856	15.7	6	-F		C	0807	.21				5
964 MONT	19	0812	0814	0813	S13	W54	.807	12856	15.3	2	-F		C	0813	.21				4
967 MCMA	19	1342	1405	1346	S14	W52	.787	12856	15.7	23	-N		C	1346	.52	.80			E 5
971 MANI	20	0457E	0523	0500	S13	W61	.871	12856	15.6	26D	-N	2		0500	.62	1.13			4

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974 ARCE	20	0940E	0957		N04	W43	.694	12876	17.2	17D	-N		C	0950	.35	.50				5
976 MEUD	20	1105	1120		N02	W43	.689	12876	17.2	15	-F		C	1107	.41	.50				6
977 HUAN	20	1428	1434	1430	S13	W68	.923	12856	15.5	6	-F	1	C							7
978 HUAN	20	1550	1559	1554	S13	W68	.923	12856	15.6	9	-F	1	C							6
981 MANI	21	0204E	02120	0205U	S13	W73	.953	12856	15.6	8D	-F	1		0205	.31	.69				3
982 ABST	21	0554E	0610	0554	S14	W75	.962	12856	15.6	16D	1N		P	0554	.90				CD	5
983 ABST	21	0825E	08470	0828	N03	W55	.825	12876	17.2	22D	-F		P	0828	.90	1.50			E	5
988 MONT	22	0840	0848	0844	S13	W90	1.000	12856	15.6	8	-N		C	0844	.21				E	3
990 MONT	23	0818	0834	0823	S06	W52	.785	12892	19.4	16	-F		C	0823	.21					5
991 PALE	23	2044	2050D	2046	S08	E27	.454	12884	25.9	6D	-F	2	C		.19					4
992 ABST	24	0621E	0628D	0624	S08	E23	.392	12884	26.0	7D	1N		P	0624	2.69	2.80			F	3
994 MCMA	24	1255	1309	1258	S08	E17	.295	12884	25.8	14	-N		C	1258	.41	.40			E	5
995 HUAN	24	1323	1328	1326	S09	E16	.283	12884	25.8	5	-F	1	C							4
996 HUAN	24	1612	1617	1615	S09	E16	.283	12884	25.9	5	-F	1	C							4
997 HUAN	24	1640	1651	1644	S09	E16	.283	12884	25.9	11	-F	1	C							4
000 ABST	25	0530	0550	0534	S08	E07	.133	12884	25.8	20	-N		C	0534	1.35	1.40		76	EH	4
002 BOUL	25	1412	1429	1416	S10	W83	.991	12892	19.4	17	-F		C	1416	.21	.75				5
011 MANI	27	0530	0533D	0532U	S07	W19	.326	12884	25.8	3D	-N	2		0532	.41	.44			F	3
012 MANI	27	0615	0621	0618U	S09	W17	.300	12884	26.0	6	-F	2		0618	.31	.35				5
019 MANI	29	0122E	0125D	0122U	S07	W44	.693	12884	25.8	3D	-F	1		0122	.31	.43			F	4
022 RAMY	29	1141	1155	1142	S04	E80	.984	12904	4.5	14	-F	2	C		.19				DE	4
025 MANI	30	0207E	0218	0210	S08	E90	1.000	12906	5.8	11D	1B	1		0210	1.03	3.35				4
026 ABST	30	0516	0525	0519	S07	W60	.864	12884	25.7	9	1N		C	0519	1.35	2.70		96	DJ	5
034 HUAN	30	1743	1747	1746	S09	E88	.999	12906	6.3	4	-F	1	C	1746	.26				D	4
036 BOUL	30	2114	2130	2117	S04	E62	.881	12904	4.5	16	-F		C	2117	.32	.68				4
037 BOUL	30	2247	2301	2250	S09	E90	1.000	12906	6.7	14	-F		C	2250	.11	.43				4