SOLAR FLARES

JUNE 1963

OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
MANILA	01	0320	0335	0324	N13	W13	6815	15	1							
HAUTE PROV	01	0848	0925	0853	N10	E50	6821	37	2		0853	6.10	9.30			
HAUTE PROV	01	1121	1149 D	1132	N13	W19	6815	28 D	1		1132	3.00	3.20			
OTTAWA	01	1123	1139	1133	N14	W18			1-	1	1133	.61	.61			
CAPRI S	01	1135 F	1144		N12	W12			1-	1	1135	1.00	1.00			
	01	1830	1840	NO FLARE	PATROL											
	01	2325	2400	NO FLARE	PATROL											
	02	0000	0510	NO FLARE	PATROL											
	02	0520	0535	NO FLARE	PATROL											
	02	0800	0850	NO FLARE	PATROL											
	02	0900	0955	NO FLARE	PATROL											
	02	1000	1030	NO FLARE	PATROL											
OTTAWA	02	1702	1715 D	1708	N11	W10			1-	3	1708	.70	.70			
SAC PEAK	02	2125	2141 D	2133	N09	E28			1-	3		1.73	1.79		17	
	02	2310	2400	NO FLARE	PATROL											
	03	0000	0600	NO FLARE	PATROL											
	03	0915	1020	NO FLARE	PATROL											
OTTAWA	03	1538	1546	1543	N12	W88			1-	3	1543	.41	1.74			
OTTAWA	03	1554	1615	1600	N12	W22			1-	3	1600	.64	.64			
SAC PEAK	03	1557	1617	1559	N13	W22			1-	3		.29	.29		16	
	03	2310	2400	NO FLARE	PATROL											
	04	0000	0605	NO FLARE	PATROL											
	04	0910	1115	NO FLARE	PATROL											
	04	2245	2255	NO FLARE	PATROL											
	04	2315	2400	NO FLARE	PATROL											
	05	0000	0450	NO FLARE	PATROL											
	05	0515	0525	NO FLARE	PATROL											
	05	0530	0540	NO FLARE	PATROL											
	05	0550	0600	NO FLARE	PATROL											
	05	0900	1105	NO FLARE	PATROL											
	05	2315	2400	NO FLARE	PATROL											
	06	0000	0600	NO FLARE	PATROL											
ATHENES	06	0647	0654		S07	W47			1-	1		.70	1.00			
	06	0900	1035	NO FLARE	PATROL											
	06	1040	1110	NO FLARE	PATROL											
	06	1140	1145	NO FLARE	PATROL											
	06	1150	1210	NO FLARE	PATROL											
	06	2105	2120	NO FLARE	PATROL											
	06	2135	2400	NO FLARE	PATROL											
	07	0000	0335	NO FLARE	PATROL											
	07	0400	0450	NO FLARE	PATROL											
	07	0905	0910	NO FLARE	PATROL											
	07	0935	0950	NO FLARE	PATROL											
	07	1000	1010	NO FLARE	PATROL											
SALTSJOBADN	07	1227 E	1238 D		S12	E04			1-	3		1.20	1.20			

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OTTAWA	07	1334	1349	1338	S11	E21			1-	2	1338	.47	.47			
SAC PEAK	07	1337	1347	1344	S11	E21			1-	3		.27	.29		15	
SAC PEAK	07	1947	1954	1950	S12	E18			1-	3		.83	.85		16	
SAC PEAK	07	2046	2056	2048	S12	E18			1-	3		.27	.29		17	
	07	2305	2400	NO FLARE	PATROL											
	08	0000	0550	NO FLARE	PATROL											
MANILA	08	0010 E	0024		S10	E12	6827	14 D	1							
MANILA	08	0500	0515		N16	E48			1-							
MANILA	08	0500	0520		S10	E11			1-							
	08	0555	0600	NO FLARE	PATROL											
HAUTE PROV	08	0659 E	0710 D		S11	E12			1-		0700	.80	.80			
CAPRI S	08	0803	0813		N15	E50			1-	2	0805	1.00	1.70			
CAPRI S	08	0828 E	0849		N14	E50			1-	2	0832	1.20	2.00			
	08	0900	0910	NO FLARE	PATROL											
CAPRI S	08	0932 E	1016		N15	E50	6832	44 D	1	2	0932	2.00	3.40			
	08	0935	0945	NO FLARE	PATROL											
	08	1030	1040	NO FLARE	PATROL											
HAUTE PROV	08	1153	1203 D		N13	E48			1-		1154	.60	.90			
	08	1205	1210	NO FLARE	PATROL											
CAPRI S	08	1227	1243	1233	N16	E47			1-	2	1227	.80	1.40			
SAC PEAK	08	1423	1432	1426	S12	E07			1-	2		.54	.52		17	
CAPRI S	08	1424 E	1431		S11	E08			1-	2	1427	.90	.90			
OTTAWA	08	1448	1454	1450	N15	E47			1-	2	1450	.35	.42			
SAC PEAK	08	1448	1454	1451	N13	E47			1-	2		.91	1.11		16	
	08	1800	1805	NO FLARE	PATROL											
SAC PEAK	08	1836	1843	1838	S10	E02			1-	2		.27	.25		15	
	08	2120	2245	NO FLARE	PATROL											
	08	2315	2400	NO FLARE	PATROL											
	09	0000	0505	NO FLARE	PATROL											
HAUTE PROV	09	0850	0916		N11	E30			1-		0854	.40	.50			
CAPRI S	09	0856 E	0909		N10	E30			1-	2	0858	.80	1.00			
HAUTE PROV	09	1022	1048		N14	E33			1-		1033	.30	.40			
	09	1125	1130	NO FLARE	PATROL											
SAC PEAK	09	1556	1607	1558	N13	E36			1-	3		.50	.54		17	
SAC PEAK	09	1825	1836	1827	N10	E28	6832	11	1	3		2.00	2.04		22	
SAC PEAK	09	2203	2211	2205	N09	E26			1-	3		1.71	1.73		18	
	09	2315	2400	NO FLARE	PATROL											
	10	0000	0530	NO FLARE	PATROL											
ATHENES	10	0637	0655		N13	E23			1-	2		1.60	1.70			
CAPRI S	10	0651 F	0737		N13	E28			1-	3	0700	1.00	1.20			
MANILA	10	0840	0845	0842	N11	E23			1-							
MANILA	10	0858	0902		N11	E22			1-							
MANILA	10	0904	0909	0906	N11	E22			1-							
	10	1000	1020	NO FLARE	PATROL											
	10	1025	1105	NO FLARE	PATROL											
CAPRI S	10	1246	1252		N10	E20			1-	1	1246	.40	.40			
SAC PEAK	10	1312	1322	1314	N15	E24			1-	3		.58	.58		17	
SAC PEAK	10	1412	1422	1417	N10	E18			1-	3		.58	.58		18	
SAC PEAK	10	1700	1717	1702	N12	E19			1-	3		1.07	1.07		18	
SAC PEAK	10	1814	1820	1816	N06	E62			1-	3		.43	.66		17	
	10	2315	2400	NO FLARE	PATROL											

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	11	0000	0600	NO FLARE	PATROL											
MANILA	11	0847	0854	0850	N04	E50			1-							
CAPRI S	11	0849	0855		N09	E35	6833	6	1	1	0850	1.80	2.90			
	11	0925	0935	NO FLARE	PATROL											
	11	0940	0945	NO FLARE	PATROL											
	11	0950	1000	NO FLARE	PATROL											
HAUTE PROV	11	1014 E	1019 D		N14	E10	6832	5 D	1		1017	2.10	2.20			
CAPRI S	11	1017	1027 D		N15	E09			1-	1	1017	2.00	2.00			
	11	1035	1040	NO FLARE	PATROL											
	11	1115	1120	NO FLARE	PATROL											
	11	1125	1130	NO FLARE	PATROL											
	11	1140	1145	NO FLARE	PATROL											
	11	1150	1200	NO FLARE	PATROL											
	11	1205	1215	NO FLARE	PATROL											
CAPRI S	11	1205	1225 D		N18	E12			1-	1	1216	1.00	1.10			
	11	1225	1230	NO FLARE	PATROL											
	11	1250	1255	NO FLARE	PATROL											
SAC PEAK	11	1722 F	1728	1723	N13	F04			1-	2		.43	.41		16	
SAC PEAK	11	1946 F	1948 D	1948	N13	W02			1-	2		.58	.56		16	
SAC PEAK	11	2032 E	2037 D	2032	N12	W01			1-	2		.87	.85		17	
SAC PEAK	11	2222 U	2235 D	~2233	S11	W38			1-	2		.52	.50		17	
SAC PEAK	11	2257 E	2315	2312	N12	E00	6832	18 D	1	2		2.31	2.27		19	
	11	2315	2400	NO FLARE	PATROL											
	12	0000	0600	NO FLARE	PATROL											
MANILA	12	0309	0329		N12	W02			1-							
MANILA	12	0416	0421	0418	N12	W02			1-							
MANILA	12	0526	0534	0529	N13	W00			1-							
MANILA	12	0541	0553	0545	N05	E38			1-							
MANILA	12	0558	0621	0615	N12	W03	6832	23	1							
MANILA	12	0751 E	0756		N12	W03	6832	5 D	1							
	12	0900	0920	NO FLARE	PATROL											
	12	0950	1020	NO FLARE	PATROL											
	12	1030	1050	NO FLARE	PATROL											
CAPRI S	12	1055 E	1105		N12	W06			1-	1	1055	1.00	1.00			
	12	1055	1245	NO FLARE	PATROL											
CAPRI S	12	1121	1134		N13	W06	6832	13	1+	1	1127	2.50	2.50			
CAPRI S	12	1215	1221		N14	W03			1-	1	1215	1.50	1.50			
	12	1250	1255	NO FLARE	PATROL											
SAC PEAK	12	1357	1415	1359	N15	W06			1-	3		.43	.43		16	
SAC PEAK	12	1502 E	1510	1504	N12	W14			1-	3		.58	.58		17	
CAPRI S	12	1504	1507		N12	W08			1-	1	1504	1.30	1.30			
SAC PEAK	12	1553	1559 D	~1554	N10	E42			1-	3		.43	.50		16	
	12	1605	1640	NO FLARE	PATROL											
CAPRI S	12	1615	1623		N08	E44	6834	8	1	2	1608	2.50	3.50			
	12	1800	1855	NO FLARE	PATROL											
	12	2015	2115	NO FLARE	PATROL											
	12	2230	2255	NO FLARE	PATROL											
	12	2305	2400	NO FLARE	PATROL											
	13	0000	0710	NO FLARE	PATROL											

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MANILA	13	0040	0047	0043	N08	E31			1-							
MANILA	13	0104	0118	0107	N08	E30			1-							
MANILA	13	0133	0147	0136	N08	E30			1-							
MANILA	13	0158	0204	0200	N14	W07			1-							
MANILA	13	0412	0433	0415	N12	W15	6832	21	1							
MANILA	13	0556	0605	0600	N12	W14			1-							
MANILA	13	0610	0635	0613	N12	W14	6832	25	1							
CAPRI S	13	0646	0651	0649	N17	W10			1-	2	0650	.60	.60			
MANILA	13	0646	0651	0648	N13	W08			1-							
	13	0900	1105	NO FLARE	PATROL											
OTTAWA	13	1414	1424	1418	N15	W25			1-	2	1418	1.75	1.77			
OTTAWA	13	1430	1441	1432	N15	W26			1-	2	1432	1.22	1.23			
SAC PEAK	13	1431	1437	1432	N15	W27			1-	2		.43	.45		17	
OTTAWA	13	1620	1659		S12	W63	6827	39	1	2	1635	1.69	2.67			
	13	1805	1945	NO FLARE	PATROL											
	13	1955	2005	NO FLARE	PATROL											
	13	2110	2400	NO FLARE	PATROL											
	14	0000	0700	NO FLARE	PATROL											
MANILA	14	0220	0247	0230	N12	W30	6832	27	1							S - SWF
MANILA	14	0326	0337	0330	N08	E30			1-							
MANILA	14	0619	0655	0629	N03	E01	6833	36	2							
CAPRI S	14	0620	0736		N03	E02	6833	76	2	1	0621	6.50	6.50			
HAUTE PROV	14	0700 E	0723 D		N03	W03	6833	23 D	1		0705	5.20	5.20			
	14	0725	0730	NO FLARE	PATROL											
HAUTE PROV	14	0929 E	0934		N08	E20			1-		0929	.70	.70			
SALTSJOBADN	14	1055 F	1155 D		S09	E68			1-	1						
HAUTE PROV	14	1245	1256		N14	W36			1-		1247	1.20	1.60			
HAUTE PROV	14	1518 E	1530		N12	W39			1-		1522	.70	.90			
	14	1940	1945	NO FLARE	PATROL											
	14	2040	2045	NO FLARE	PATROL											
	14	2100	2105	NO FLARE	PATROL											
	14	2110	2130	NO FLARE	PATROL											
SAC PEAK	14	2133 E	2205	2134	N10	W44			1-	2		1.01	1.16		17	
	14	2315	2400	NO FLARE	PATROL											
	15	0000	0520	NO FLARE	PATROL											
MANILA	15	0346 E	0355	0348	N14	W44	6832	9 D	1							
MANILA	15	0431	0450		N12	W45			1-							
MANILA	15	0510	0518	0513	N03	W13			1-							
	15	0530	0550	NO FLARE	PATROL											
	15	0930	0950	NO FLARE	PATROL											
	15	1010	1015	NO FLARE	PATROL											
	15	2315	2400	NO FLARE	PATROL											
	16	0000	0510	NO FLARE	PATROL											
	16	0930	0935	NO FLARE	PATROL											
HAUTE PROV	16	1100	1117 D		N12	W63			1-		1103	1.00				
CAPRI S	16	1101	1110		N15	W59	6832	9	1	2	1103	1.00	2.10			
OTTAWA	16	1157	1259		N09	W65	6832	62	1+	3	1239	3.03	5.03			
HAUTE PROV	16	1158	1310	1237	N12	W65	6832	72	1		1237	2.20				
CAPRI S	16	1207	1249		N16	W58	6832	42	2	1	1241	6.10	11.00			
OTTAWA	16	1445	1452	1447	N13	W70			1-	3	1447	.76	1.44			
OTTAWA	16	1711	1726	1720	N09	W66	6832	15	1	3	1720	1.34	2.28			

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SAC PEAK	16	1715	1728	1719	N11	W66			1-	3		1.16	1.96		16	
SAC PEAK	16	1926	1935	1929	N11	W68			1-	3		.43	.83		16	
SAC PEAK	16	2004	2030	2008	N10	W67			1-	3		.29	.52		16	
SAC PEAK	16	2143	2157	2146	N08	W22			1-	3		.52	.52		17	
	16	2310	2400	NO FLARE	PATROL											
	17	0000	0530	NO FLARE	PATROL											
CAPRI S	17	0747	0812		N12	E90			1-	3	0758	.30				
SAC PEAK	17	1350	1404	1353	N11	W82			1-	2		.52	1.30		17	
OTTAWA	17	1350	1414	1352	N09	W78			1-	3	1352	.47	1.16			
CAPRI S	17	1532	1544 D		N34	E90			1-	2	1539	.20				
OTTAWA	17	1628	1643	1634	N18	W34			1-	3	1634	.64	.68			
HAUTE PROV	17	1629 E	1650		N09	W33			1-		1740	1.00	1.20			
	17	2305	2400	NO FLARE	PATROL											
	18	0000	0500	NO FLARE	PATROL											
ATHENES	18	0555	0601		N13	E43			1-	2		.50	.70			
OTTAWA	18	1149	1205	1156	N15	E71			1-	3	1156	.23	.45			
SAC PEAK	18	1918	1943	1925	N18	W90			1-	3		.58	.58		18	
	18	2315	2400	NO FLARE	PATROL											
	19	0000	0450	NO FLARE	PATROL											
	19	0900	0905	NO FLARE	PATROL											
	19	0940	1010	NO FLARE	PATROL											
	19	1535	1545	NO FLARE	PATROL											
	19	2300	2320	NO FLARE	PATROL											
	19	2350	2400	NO FLARE	PATROL											
	20	0000	0550	NO FLARE	PATROL											
HAUTE PROV	20	0807	0858	0812	N12	E49	6840	51	2		0812	5.90	9.60			
CAPRI S	20	0810 E	0827		N12	E43	6840	17 D	1	1	0810	1.70	2.40			
CAPRI S	20	1027	1033		N12	E42	6840	6	1	1	1028	1.90	2.60			
SAC PEAK	20	1722 F	1737	1726	N13	E44			1-	3		.45	.54		16	
	20	2315	2400	NO FLARE	PATROL											
	21	0000	0455	NO FLARE	PATROL											
	21	1045	1050	NO FLARE	PATROL											
SALTSJOBADN	21	1205	1216		N07	W24			1-	2		1.00	1.10			
SAC PEAK	21	2146	2205	2158	N16	E28			1-	3		.87	.89		16	
	21	2315	2400	NO FLARE	PATROL											
	22	0000	0035	NO FLARE	PATROL											
	22	0130	0505	NO FLARE	PATROL											
	22	2315	2400	NO FLARE	PATROL											
	23	0000	0030	NO FLARE	PATROL											
	23	0130	0430	NO FLARE	PATROL											
	23	0555	0600	NO FLARE	PATROL											
	23	0900	1000	NO FLARE	PATROL											
	23	1005	1110	NO FLARE	PATROL											
HAUTE PROV	23	1454	1511		N14	E08			1-		1458	.60	.60			

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SAC PEAK	23	1456	1510	1500	N14	E09			1-	3		.52	.47		17	
OTTAWA	23	1456	1517	1501	N15	E09			1-	2	1501	.35	.35			
	23	2320	2400	NO FLARE	PATROL											
	24	0000	0555	NO FLARE	PATROL											
	24	2345	2400	NO FLARE	PATROL											
	25	0000	0600	NO FLARE	PATROL											
MANILA	25	0900 E	0910		N09	E38			1-							
	25	0900	1005	NO FLARE	PATROL											
HAUTE PROV	25	1038 E	1225		N09	E37	6854	107 D	1		1040	2.40	3.10			
OTTAWA	25	1404	1408	1406	N12	E38			1-	3	1406	.52	.57			
HAUTE PROV	25	1448	1454		N09	E37			1-		1449	.90	1.30			
HAUTE PROV	25	1547	1703		N09	E37			1-		1601	.60	.80			
OTTAWA	25	1654	1704	1656	N12	E35			1-	2	1656	.58	.62			
SAC PEAK	25	2033	2103	2037	N10	E37			1-	2		.29	.31		17	
	26	0010	0315	NO FLARE	PATROL											
MANILA	26	0252	0324	0305	N07	W67	6847	32	1+							
HAUTE PROV	26	0550	0610		N10	E28			1-		0559	.90	1.00			
CAPRI S	26	0601 E	0615		N08	E34			1-	2	0606	.70	.80			
HAUTE PROV	26	0650	0659		N10	E31			1-		0656	.50	.60			
CAPRI S	26	0655	0727		N08	E34			1-	2	0706	1.60	1.90			
ISTANBUL	26	0730 E	0740		N11	E30			1-							
HAUTE PROV	26	1210	1222		N10	E28			1-		1211	.90	1.00			
OTTAWA	26	1215	1220 D		N11	E28			1-	1	1217	1.11	1.13			
CAPRI S	26	1215 E	1225		N08	E31			1-	3	1222	.80	1.00			
SAC PEAK	26	2051 E	2051 D		N10	E20			1-			.29	.29		16	
	26	2205	2250	NO FLARE	PATROL											
	26	2310	2400	NO FLARE	PATROL											
	27	0000	0240	NO FLARE	PATROL											
	27	0300	0430	NO FLARE	PATROL											
CAPRI S	27	0752 E	0803		N03	W60			1-	2	0756	1.20	2.30			
SALTSJOBADN	27	1030	1047		N17	E47	6858	11	1	3		1.50	2.20			
CAPRI S	27	1140	1152		N03	W90	6847	12	1	2		.70				
SALTSJOBADN	27	1346	1350		N13	E46			1-	3						
	27	2140	2145	NO FLARE	PATROL											
	27	2205	2400	NO FLARE	PATROL											
	28	0000	0020	NO FLARE	PATROL											
	28	0115	0240	NO FLARE	PATROL											
	28	0300	0530	NO FLARE	PATROL											
HAUTE PROV	28	1010	1040	1014	N13	W68	6840	30	1		1014	3.00				
CAPRI S	28	1020	1047		N15	W70	6840	27	1	2	1023	1.00	2.80			
OTTAWA	28	1607	1621	1614	N17	E41			1-	2	1614	.93	1.02			
	28	2145	2155	NO FLARE	PATROL											
	28	2205	2215	NO FLARE	PATROL											
	28	2315	2345	NO FLARE	PATROL											
IKOMASAN	29	0030	0052 D	0034	N12	W60	6861	22 D	1	1	0034	1.00	1.90	1.42	100	
	29	0100	0420	NO FLARE	PATROL											
	29	0445	0455	NO FLARE	PATROL											
	29	0515	0535	NO FLARE	PATROL											

SOLAR FLARES

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OBSERVATORY	DATE	OBSERVED UNIVERSAL TIME			LOCATION			DURATION	IMPORTANCE	OBS. COND.	MEASUREMENTS					PROVISIONAL IONOSPHERIC EFFECT
					APPROX.		McMATH PLAGE REGION									
	JUNE 1963	START	END	MAX. PHASE	LAT.	MER. DIST.		— MINUTES			TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	
CAPRI S	29	1405	1445		N08	W70	6861	40	1	1	1412	2.00	4.50			
SAC PEAK	29	1530	1601	1536	N13	E23			1-	3		.93	.93		17	
HAUTE PROV	29	1532	1558	1544	N14	E23	6858	26	2		1544	5.50	6.20			
CAPRI S	29	1540	1602 D		N15	E30			1-	2	1546	.50	.60			
	29	2225	2230	NO FLARE	PATROL											
	29	2300	2400	NO FLARE	PATROL											
	30	0000	0615	NO FLARE	PATROL											
CAPRI S	30	0615	0759		N02	W81	6861	104	1	2	0657	1.30	3.60			
	30	0900	1135	NO FLARE	PATROL											
	30	2250	2400	NO FLARE	PATROL											

COMMERCE - STANDARDS - BOULDER

ATHENES	ATHENS, GREECE
BAKOU	PIRCULI, USSR
CAPETOWN	ROYAL OBSERVATORY, CAPE OF GOOD HOPE
CAPRI F	CAPRI, ITALY (GERMAN)
CAPRI S	CAPRI, ITALY (SWEDISH)
CRIMÉE	SIMEIZ, USSR
HERSTMONCEU	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX, ENGLAND
HTE-PROVEN	HAUTE-PROVENCE
HONOLULU	HAWAII, USA
IKOMASAN	KYOTO, JAPAN
KIEV KO	KIEV GAO, USSR
KIEV KY	KIEV UNIVERSITY, USSR
LOCKHEED	LOS ANGELES, CALIF., USA
MCMATH	MCMATH-HULBERT PONTIAC, MICH., USA
MOSCOU	MOSCOW-GAISH, USSR
NEW SCHAUIN	FREIBURG, GFR
NERA	NEDERHORST den BERGH, NETHERLANDS
NIZMIR	KRASNAYA PAKHRA, USSR
SAC PEAK	SACRAMENTO PEAK, N.MEX. USA
SALTSJÖBADEN	STOCKHOLM, SWEDEN
SCHAUINS	SCHAUINSLAND, GFR
TACHKENT	TASHKENT, USSR
WENDEL	WENDELSTEIN, GFR

ALL VALUES IN THE MAXIMUM INTENSITY COLUMN FOR SAC PEAK ARE ARBITRARY UNITS, (0-40) AND FOR LOCKHEED ARE ARBITRARY UNITS (10-40), NOT PERCENT OF CONTINUOUS SPECTRUM.

SEE DESCRIPTIVE TEXT PUBLISHED NOVEMBER 1961 FOR DEFINITION OF CORRECTED AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SACRAMENTO PEAK.

E = LESS THAN D = GREATER THAN U = APPROXIMATE □ = NOT REPORTED.

SOLAR FLARES

JUNE 1963

OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
NEW SCHAUIN	01	0850 E	0930 D		N08	E53	6821	40 D	1			2.00	3.20			
ONDREJOV	01	0852 E	0925 D		N10	E45	6821	33 D	2	2	0903			2.60		
ARCETRI	01	0855 E	0918 D		N06	E49	6821	23 D	1	2	0900	1.47	2.24			
CAPETOWN	01	0906 E	0927		N10	E50	6821	21 D	1		0906	2.20	3.50			
KHARKOV	01	1126 E	1159		N13	W17	6815	33 D	2	1	1145	10.31	11.30	2.00		
	01	1830	1840	NO FLARE	PATROL											
LOCKHEED	01	2329	2336	2332	N11	W18			1-	2	2332	.20	.20		10	
	02	0105	0150	NO FLARE	PATROL											
	02	0200	0210	NO FLARE	PATROL											
	02	0940	0945	NO FLARE	PATROL											
	03	0055	0140	NO FLARE	PATROL											
	03	0150	0200	NO FLARE	PATROL											
	03	0205	0215	NO FLARE	PATROL											
CAPRI-F	03	1557 E	1612 D	1557	N09	E24			1-	2	1557	.25	.27			
	03	2310	2330	NO FLARE	PATROL											
	03	2350	2400	NO FLARE	PATROL											
	04	0000	0100	NO FLARE	PATROL											
	04	0120	0220	NO FLARE	PATROL											
	04	0230	0240	NO FLARE	PATROL											
CAPETOWN	04	0951	1030	0958	N11	E12			1-		0958	1.20	1.30			
	04	2355	2400	NO FLARE	PATROL											
	05	0000	0015	NO FLARE	PATROL											
	05	0100	0120	NO FLARE	PATROL											
	05	0200	0245	NO FLARE	PATROL											
	05	1025	1030	NO FLARE	PATROL											
	06	0115	0255	NO FLARE	PATROL											
	06	2105	2120	NO FLARE	PATROL											
	06	2135	2250	NO FLARE	PATROL											
	06	2345	2400	NO FLARE	PATROL											
	07	0000	0010	NO FLARE	PATROL											
	07	0205	0255	NO FLARE	PATROL											
HONOLULU	07	1924	1936	1928	S12	E18			1-	1	1928	.82	.82			
CLIMAX	07	1926	1935	1928	S11	E20			1-			.20	.20			
HONOLULU	07	1946	1950 D	1948	N12	E18			1-	1	1948	.72	.72			
CLIMAX	07	1946	1954	1951	S11	E20			1-			.30	.30			
	07	2305	2335	NO FLARE	PATROL											
CLIMAX	07	2337 E	0034 D	0010	S11	E14			1-			1.00	1.00			
HONOLULU	08	0006 E	0102 D	0015	S11	E11	6827	56 D	1	2	0015	2.50	2.50			
HONOLULU	08	0025	0050	0027	S13	E16			1-	2	0027	.72	.72			
	08	0135	0200	NO FLARE	PATROL											
	08	0300	0310	NO FLARE	PATROL											
CAPRI-F	08	0655 E	0705	0655	S11	E12			1-	2	0655	1.00	1.03			
KODAIKNL	08	0749 E	0819		N14	E52	6832	30 D	1	2	0749	1.90	3.20	1.60	100	
NIZMIR	08	0819	0947 D	0932	N17	E53	6832	88 D	1			2.68			70	

SOLAR FLARES

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OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
ARCETRI	08	0834 E	0928 D		N14	E50	6832	54 D	1	3	0834	1.27	1.98			
HONOLULU	08	1948 E	2054	1948	S13	E07			1-	1	1948	.61	.61			
CLIMAX	09	0015	0025 D	0019	S15	E04			1-			.60	.60			
LOCKHEED	09	0015	0029	0020	S13	E04			1-	2	0020	.50	.50		20	
HONOLULU	09	0018	0028	0020	S13	E08			1-	1	0020	.82	.82			
	09	0200	0300	NO FLARE	PATROL											
CLIMAX	09	1829 E	1833		N09	E29			1-		1829	1.30	1.30			
HONOLULU	09	1900 E	1942	1930	S13	W08			1-	1	1930	.93	.93			
HONOLULU	09	1948	1956	1950	S11	W12			1-	1	1950	.31	.31			
HONOLULU	09	2012	2030	2022	N10	E58			1-	1	2022	.82	1.24			
HONOLULU	09	2016	2032	2020	N09	E25			1-	1	2020	1.75	1.84			
HONOLULU	09	2038	2130	2116	N10	E58			1-	1	2116	.62	.93			
HONOLULU	09	2126	2212	2206	N08	E26	6832	46	1	1	2206	2.03	2.08			
HONOLULU	09	2202	2208	2204	N10	E24			1-	2	2204	1.45	1.47			
HONOLULU	09	2150	2220	2200	N10	E58			1-	1	2200	1.24	1.85			
HONOLULU	09	2240	2320	2256	N10	E58			1-	1	2256	1.34	2.01			
HONOLULU	09	2342	0006	2350	N10	E58			1-	1	2350	.72	1.08			
	10	0035	0055	NO FLARE	PATROL											
	10	0130	0140	NO FLARE	PATROL											
	10	0150	0225	NO FLARE	PATROL											
UCCLE	10	1651	1700 D		N12	E18			1-	4						
HONOLULU	10	1818 E	1820		N06	E60			1-	1	1818	1.03	1.64			
HONOLULU	10	1846 E	1858 D		S12	W24			1-	1	1848	.62	.64			
HONOLULU	10	2236	2246 D	2242	S13	W24			1-	1	2242	1.44	1.47			
HONOLULU	10	2308	2314	2310	S11	W26			1-	1	2310	.41	.44			
HONOLULU	10	2350	0002	2356	S11	W26			1-	1	2356	.72	.76			
HONOLULU	11	0016 E	0022	0018	S11	W26			1-	1	0018	.62	.65			
HONOLULU	11	0122 E	0200 D	0150	S12	W27	6827	38 D	1	2	0150	2.24	2.34			
	11	0305	0515	NO FLARE	PATROL											
	11	0535	0600	NO FLARE	PATROL											
UCCLE	11	0808	0830		N12	E12			1-	4						
UCCLE	11	0845	0854		N06	E50			1-	4						
TACHKENT	11	0846	0900	0847	N07	E56			1-	2	0847	.45	.90		85	
NIZMIR	11	0848	0853	0852	N08	E58			1-			1.34			80	
TACHKENT	11	0932	0958	0941	N14	E07			1-	2	0941	1.45	1.60	3.60	85	
TACHKENT	11	1009	1034	1015	N15	E08			1-	2	1015	2.05	2.30		85	
UCCLE	11	1010	1035		N14	E09			1-	4						
ZURICH	11	1015 E	1030 D		N12	E09	6832	15 D	1	1						
UCCLE	11	1132	1141		N11	E06			1-	4						
UCCLE	11	1225	1246		N11	E06			1-	4						
UCCLE	11	1351	1356		N11	E10			1-	4						
UCCLE	11	1526	1548		N11	E04			1-	4						
HONOLULU	11	1810 E	1836	1830	S09	W36			1-	1	1830	.93	1.02			
HONOLULU	11	1822	1830	1826	N11	E02			1-	2	1826	.52	.52			
HONOLULU	11	1944	1950 D	1948	N13	W01			1-	3	1948	.62	.62			
HONOLULU	11	1958	2002	2000	S08	W37			1-	2	2000	.31	.35			
HONOLULU	11	2028	2038	2032	N13	E03			1-	2	2032	1.34	1.34			
CLIMAX	11	2029 E	2039	2032	N13	E02			1-			1.00	1.00			

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OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
VOROSHILOV	11	2228	2258	2236	S11	W39			1-	2		.72			50	
VOROSHILOV	11	2300	2306	2303	N12	W02			1-	2		1.26			50	
VOROSHILOV	11	2306	2316 D		N14	E03			1-	2	2314	.80			54	
	11	2315	2345	NO FLARE	PATROL											
	12	0155	0200	NO FLARE	PATROL											
TACHKENT	12	0206	0221	0212	N14	E02			1-	3	0212	1.00	1.00		125	
TACHKENT	12	0244	0337	0256	N14	E00			1-	3	0309	.64	.70	2.00	80	
TACHKENT	12	0244	0337	0324	N14	E00			1-							
TACHKENT	12	0505	0520	0511	N12	W09	6832	15	1	3	0511	5.47	6.00		65	
ONDREJOV	12	0526 E	0530		N13	E01			1-	3	0527			2.00		
TACHKENT	12	0526 E	0548	0529	N15	W01			1-	3	0528	.64	.70	1.80	85	
ONDREJOV	12	0542	0544		N09	W07			1-	3	0543			1.40		
UCCLE	12	0842 E	□		N11	W07			1-	3						
UCCLE	12	1103	1137		N11	W10			1-	3						
NEW SCHAUIN	12	1104	1143		N13	W04	6832	39	1			2.30	2.40			
ZURICH	12	1105	1132		N12	W10	6832	27	2	2	1105		6.00			
ONDREJOV	12	1107	1122	1115	N12	W05	6832	15	1+	3	1115			2.70		
UCCLE	12	1107	1123		N11	W08			1-	3						
KIEV KO	12	1110 E	1130 D	1116	N15	W03			1-		1116	4.13			60	
UCCLE	12	1116	1130 D		N10	W12			1-	3						
ONDREJOV	12	1118	1127 D	1123	N08	W12	6832	9 D	2	2	1123			3.80		
KIEV KO	12	1120	1130	1122	N13	W12	6832	10	1+		1122	2.06			80	
UCCLE	12	1212	1218		N10	W12			1-	3						
NIZMIR	12	1213	□		N14	W08			1-			.90			70	
NIZMIR	12	1253	1303 D		N12	W12			1-			2.27			60	
UCCLE	12	1503	1505 D		N11	W13			1-	3						
UCCLE	12	1550	1556 D		N10	E40			1-	3						
UCCLE	12	1609	1630 D		N14	E42			1-	3						
NEW SCHAUIN	12	1614 E	1630		N04	E41			1-			.50	.80			
HONOLULU	12	1816	1834	1820	N17	W07			1-	2	1820	.31	.31			
HONOLULU	12	1832	1838	1834	N14	W06			1-	2	1834	.51	.51			
	12	1845	1855	NO FLARE	PATROL											
HONOLULU	12	2040 E	2044 D	2042	N12	W17			1-	2	2042	.82	.82			
CLIMAX	13	0037	0051	0042	N10	E33			1-			.90	1.00			
HONOLULU	13	0044	0058	0046	N09	E30			1-	2	0046	.52	.53			
CLIMAX	13	0103	0112	0106	N11	E34			1-			.70	.80			
HONOLULU	13	0136	0148	0140	N10	E31			1-	2	0140	.52	.54			
HONOLULU	13	0158	0200 D	0200	N17	W08			1-	2	0200	1.55	1.55			
	13	0300	0320	NO FLARE	PATROL											
	13	0325	0420	NO FLARE	PATROL											
ONDREJOV	13	0420 E	0445		N12	W14	6832	25 D	1+	3	0420			3.20		
ABASTUMANI	13	0546 E	0555 D	0548	N16	W10	6832	9 D	1	2		1.08				
NIZMIR	13	0620	0641 D	0624 D	N13	W21			1-			.90			75	
NIZMIR	13	0644 E	0654 D	0646	N18	W11			1-			1.34			60	
ONDREJOV	13	0646	0650	0647	N14	W11			1-	3	0647			3.00		
NEW SCHAUIN	13	0647 E	0652		N14	W13			1-			.40	.50			
ZURICH	13	0647 E	0653		N16	W09	6832	6 D	1	3	0647		2.00			
ONDREJOV	13	0751 E	0758		N12	W16			1-	3	0751			3.40		
ONDREJOV	13	0848 E	0859		N13	W22			1-	2	0857			1.80		

COMMERCE - STANDARDS - BOULDER

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OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
NEW SCHAUIN	13	0852 E	0900		N13	W23			1-			.40	.50			
CRIMEE	13	0853	0904	0855	N14	W24			1-	1	0855	.90				
TACHKENT	13	0854	0908		N15	W23			1-	2		.73	.80		85	
TACHKENT	13	0935	1010	0946	N16	W15			1-	2	0946	.91	1.00		115	
NEW SCHAUIN	13	0940	0950		N14	W17			1-			.60	.60			
TACHKENT	13	1111	1227	1132	N12	W25			1-	2	1132	1.09	1.20		85	
TACHKENT	13	1111	1227	1148	N12	W25			1-							
ONDREJOV	13	1144 E	1153		N08	W23			1-	3	1148			2.10		
CLIMAX	13	1312	1317	1314	N16	W25			1-			.40	.40			
CLIMAX	13	1431	1438 D	1434	N16	W27			1-			.70	.70			
CLIMAX	13	1621	1639	1632	S12	W64			1-			.40	.60			
HONOLULU	13	1836	1840	1838	N14	W22			1-	1	1838	.51	.53			
HONOLULU	13	1852	1936	1920	N16	W22			1-	1	1920	1.85	1.90			
	13	1855	1910	NO FLARE	PATROL											
HONOLULU	13	1916 E	1918	1916	S11	W64			1-	1	1916	.31	.53			
HONOLULU	13	1940 E	1954	1942	N17	W22			1-	1	1942	1.24	1.27			
HONOLULU	13	1946	1952	1950	N13	W25			1-	1	1950	.31	.32			
HONOLULU	13	1946	1954	1946	N15	W28			1-	1	1946	.31	.33			
HONOLULU	13	2004	2010	2006	N14	W24			1-	1	2006	.41	.43			
HONOLULU	13	2024	2030	2028	N11	W28			1-	1	2028	.21	.22			
HONOLULU	13	2046 E	2050	2046	N00	E24			1-	1	2046	.21	.21			
HONOLULU	13	2052	2108	2058	N10	E25			1-	1	2058	1.65	1.70			
HONOLULU	13	2054	2104	2100	N12	W26			1-	1	2100	.41	.43			
HONOLULU	13	2216	2224	2218	N15	W25			1-	1	2218	.31	.33			
HONOLULU	13	2312	2320	2314	S11	W66			1-	1	2314	.41	.73			
HONOLULU	13	2334	2340	2338	S11	W66			1-	1	2338	.31	.55			
HONOLULU	13	2340	2348	2346	N16	W29			1-	1	2346	.52	.54			
	14	0015	0100	NO FLARE	PATROL											
	14	0115	0145	NO FLARE	PATROL											
	14	0150	0155	NO FLARE	PATROL											
	14	0200	0225	NO FLARE	PATROL											
KODAIKNL	14	0225 E	0245	0228	N09	W34	6832	20 D	1	2	0228	1.90	2.35	2.00	114	S-SWF
TACHKENT	14	0247 E	0330		N09	W35	6832	43 D	1	2	0304	2.09	2.60	2.10	115	
NIZMIR	14	0522 E	0532	0522 U	N11	W34			1-		0522	.90			70	
TACHKENT	14	0522	0533	0529	N11	W34			1-	2	0529	.62	.70	1.50	115	
NIZMIR	14	0619 E	0744 D	0636	N03	W00	6833	85 D	1+			7.63			90	
KODAIKNL	14	0622 E	0712		N03	E01	6833	50 D	1+	2	0632	4.50	4.50	1.80	122	
TACHKENT	14	0624	0725		N02	W01	6833	61	2	2	0632	9.57	10.60	2.00	115	
CAPRI-F	14	0643 E	0722 D	0643	N03	E01	6833	39 D	2	2	0647	6.50	6.50			
CRIMEE	14	0643 E	0738 D	0738 U	N03	E00	6833	55 D	1+	1	0643	8.11				
ONDREJOV	14	0657 E	0732 D		N00	E01	6833	35 D	1+	1	0722			2.10		
HONOLULU	14	2042	2048	2042	N11	W40			1-	3	2042	.21	.23			
LOCKHEED	14	2051	2150	2108	N09	W43			1-	2	2108	1.50	1.80		20	
HONOLULU	14	2054	2110	2056	N12	W45	6832	16	1	3	2056	3.10	3.70			
HONOLULU	14	2056	2154	2116	N10	W43	6832	58	1	3	2116	1.65	2.00			
HONOLULU	14	2204	2210	2200	N18	W50			1-	3	2206	.41	.56			
VOROSHILOV	15	0042	0053	0046	N11	E31			1-	1		.72			52	
LOCKHEED	15	0113	0133	0120	N16	W48			1-	2	0120	.30	.30		10	
HONOLULU	15	0116	0124	0120	N16	W44			1-	3	0120	.72	.87			

COMMERCE - STANDARDS - BOULDER

SOLAR FLARES

JUNE 1963

OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
VOROSHILOV	15	0200	0203	0202	N16	W08			1-	1		.63			53	
	15	0220	0240	NO FLARE	PATROL											
TACHKENT	15	0341 E	0414	0348	N15	W47	6832	33	1+	2	0346	1.19	1.40	2.50	140	
TACHKENT	15	0430	0500	0434	N10	W47	6832	30	1+	2	0434	1.37	1.50	2.30	125	
NIZMIR	15	0431	0442 E	0435 D	N11	W47	6832	11 D	1+			4.49			110	
NEW SCHAUIN	16	0845 E	0849 D		N11	W62			1-			.20	.40			
CAPETOWN	16	0912	0940	0918	N07	W30			1-		0918	.80	.90			
CAPETOWN	16	1057	1130	1104	N11	W64	6832	33	1		1104	1.00	2.40			
CAPETOWN	16	1156	1259	1211	N11	W64	6832	63	2		1238	3.00	7.10			
CAPETOWN	16	1156	1259	1238	N11	W64			2							
CRIMEE	16	1157 E	1213 D	1214	N08	W64	6832	16 D	1	1	1214	1.34				
NEW SCHAUIN	16	1228 E	1235 D		N11	W65	6832	7 D	1			1.30	3.00			
HONOLULU	16	1926	1940	1928	N11	W70			1-	3	1928	.72	1.35			
HONOLULU	16	2004	2026	2008	N10	W63			1-	3	2008	.31	.54			
LOCKHEED	16	2143	2156	2148	N07	W23			1-	2	2148	.30	.30		10	
HONOLULU	16	2146	2154	2148	N08	W22			1-	3	2148	.41	.41			
	17	0200	0220	NO FLARE	PATROL											
	17	0230	0240	NO FLARE	PATROL											
TACHKENT	17	0329	0420	0346	N11	W74	6832	51	1	2	0348	1.45	5.00	2.30	55	
KODAIKNL	17	0343	0355	0345	N10	W75			1-	2	0345	.43	1.70	1.52	100	
CAPETOWN	17	1032	1050	1035	N12	W78	6832	18	1		1035	.50				
LOCARNO	17	1345	1410		N12	W77	6832	25	1	2						
CAPRI-F	17	1554 E	1413 D		N12	W77	6832	19 D	1	2	1554	1.50	4.11			
CAPRI-F	17	1632 E	1642 D		N08	W32	6833	10 D	1	2	1632	1.80	2.90			
	18	0230	0235	NO FLARE	PATROL											
	18	0245	0255	NO FLARE	PATROL											
NEW SCHAUIN	18	0754 E	0800 D		N07	W44			1-			.50	.70			
CAPETOWN	18	0754	0804	0756	N09	W41			1-		0756	1.10	1.50			
HONOLULU	18	1918 E	1946 D	1928	N09	W90			1-	2	1928	.41	1.44			
	19	0245	0250	NO FLARE	PATROL											
	20	0115	0220	NO FLARE	PATROL											
	20	0230	0235	NO FLARE	PATROL											
	20	0250	0300	NO FLARE	PATROL											
CAPRI-F	20	0822 E	0838 D		N14	E45	6840	16 D	1	2	0822	2.00	2.80			
HONOLULU	21	0030	0040	0034	N12	E41			1-	2	0034	.62	.74			
	21	2355	2400	NO FLARE	PATROL											
	22	0000	0005	NO FLARE	PATROL											
	22	0130	0155	NO FLARE	PATROL											
	22	0205	0245	NO FLARE	PATROL											
	23	0200	0300	NO FLARE	PATROL											
CAPRI-F	23	1506 E	1517 D		N14	E02			1-	3	1507	.50	.51			
	24	0215	0235	NO FLARE	PATROL											

SOLAR FLARES

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OBSERVATORY	DATE JUNE 1963	OBSERVED UNIVERSAL TIME START	END	MAX. PHASE	LOCATION APPROX. LAT.	MER. DIST.	McMATH PLAGE REGION	DURATION — MINUTES	IMPORTANCE	OBS. COND.	MEASUREMENTS TIME — U T	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Hα	MAX. INT. %	PROVISIONAL IONOSPHERIC EFFECT
	24	0255	0300	NO FLARE	PATROL											
	25	0210	0230	NO FLARE	PATROL											
	25	0235	0245	NO FLARE	PATROL											
	25	0250	0345	NO FLARE	PATROL											
NEW SCHAUIN	25	1452 E	1456 D		N13	E34			1-			.40	.50			
CLIMAX	25	1654	1700	1656	N10	E36			1-			.60	.70			
HONOLULU	25	2030	2040 D	2032	N10	W63			1-	1	2032	.62	1.02			
LOCKHEED	25	2258	2318	2300	N09	E34			1-	1	2300	.30	.30		20	
	26	0210	0300	NO FLARE	PATROL											
TACHKENT	26	0300 E	0346	0306	N07	W70	6847	46 D	1	2	0305	.62	.80	3.00	130	
KODAIKNL	26	0307 E	0319		N06	W66			1-	1	0310	.64	1.65	1.80	114	
ONDREJOV	26	0656	0701		N08	E30			1-	3	0657			1.70		
LOCARNO	26	1213	1225		N12	E30	6854	12	1	2						
CAPRI-F	26	1216	1227 D		N11	E28			1-	3	1217	1.50	1.72			
CLIMAX	26	1218 E	1227	1220	N11	E29			1-			.40	.40			
HONOLULU	26	1814	1818	1816	S04	E46			1-	1	1816	.31	.37			
HONOLULU	27	0128	0132 D	0132	N13	E20			1-	2	0132	1.13	1.13			
LOCKHEED	27	0128	0140	0132	N10	E20			1-	2	0132	.40	.40		20	
	27	0215	0240	NO FLARE	PATROL											
KHARKOV	27	1130	1150	1138	N07	W90	6847	20	1+	3	1138			2.00		
	28	0130	0210	NO FLARE	PATROL											
CAPETOWN	28	1008	1053	1015	N17	W65	6840	45	1		1015	1.00	2.40			
LOCKHEED	28	1611	1619	1614	N15	E40			1-	2	1614	.20	.20		20	
UCCLE	28	1613	1615		N15	E42			1-	3						
NEW SCHAUIN	28	1714 E	1732		N10	W03			1-			1.00	1.00			
HONOLULU	28	1854	1908	1902	N08	W06			1-	3	1902	1.44	1.44			
HONOLULU	28	1914	1930	1916	N09	W06			1-	3	1916	1.03	1.03			
HONOLULU	28	1926	1934	1928	N11	W57			1-	3	1928	.62	.89			
HONOLULU	28	1940	1948 D	1942	N11	W57			1-	3	1942	.82	1.23			
HONOLULU	28	2012	2044	2031	N11	W57			1-	3	2031	.52	.77			
HONOLULU	28	2050	2058	2052	N11	W57			1-	3	2052	1.03	1.54			
HONOLULU	28	2100	2110	2102	N12	W58	6861	10	1	3	2102	1.44	2.16			
HONOLULU	28	2154	2158 D	2156	N12	W57			1-	3	2156	1.03	1.55			
HONOLULU	29	0032	0040	0034	N12	W57			1-	3	0034	.52	.77			
HONOLULU	29	0043	0045 D	0044	N12	W57			1-	3	0044	.31	.46			
CAPETOWN	29	1205	1221	1208 U	N11	W66	6861	16	1		1208	1.20	2.90			
HONOLULU	29	1740	1744 D	1744	N12	W69	6861	4 D	1	1	1744	1.13	2.10			
HONOLULU	29	1818	1826 D	1824	N12	W69			1-	2	1824	.41	.76			
CLIMAX	29	1819	1841	1828	N13	W67			1-			.10	.20			
HONOLULU	29	1834 E	1842	1834	N12	W69			1-	2	1834	.93	1.72			
HONOLULU	29	1848	1900	1850	N12	W69			1-	2	1850	.62	1.14			
HONOLULU	29	1912	1918 D	1914	N12	W69			1-	2	1914	.41	.76			
HONOLULU	29	1912 E	1920	1914	N12	W21			1-	2	1914	.31	.31			
HONOLULU	29	2020	2026	2022	N12	E22			1-	2	2022	.51	.51			
HONOLULU	29	2340	2346	2340	N16	E22			1-	2	2340	1.13	1.13			
HONOLULU	30	0036	0056	0046	N12	W70	6861	20	1	2	0046	1.44	2.88			

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CLIMAX	30 30	0039 0245	0052 0250	0045 NO FLARE	N11 PATROL	W70			1-			.30	.60			

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These flare reports are addenda to the June 1963 flare published in CRPL-F 227 B for July 1963.

ATHENES	ATHENS, GREECE	HONOLULU	HAWAII, USA	NERA	NEDERHORST den BERGH, NETHERLANDS
BAKOU	PIRCULI, USSR	IKOMASAN	KYOTO, JAPAN	NIZMIR	KRASNAYA PAKHRA, USSR
CAPETOWN	ROYAL OBSERVATORY, CAPE OF GOOD HOPE	KIEV KO	KIEV GAO, USSR	SAC PEAK	SACRAMENTO PEAK, N.MEX. USA
CAPRI F	CAPRI, ITALY (GERMAN)	KIEV KY	KIEV UNIVERSITY, USSR	SALTSJÖBADEN	STOCKHOLM, SWEDEN
CAPRI S	CAPRI, ITALY (SWEDISH)	LOCKHEED	LOS ANGELES, CALIF., USA	SCHAUINS	SCHAUINSLAND, GFR
CRIMÉE	SIMEIZ, USSR	MCMATH	MCMATH-HULBERT PONTIAC, MICH., USA	TACHKENT	TASHKENT, USSR
HERSTMONCEU	ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX, ENGLAND	MOSCOU	MOSCOW-GAISH, USSR	WENDEL	WENDELSTEIN, GFR
HTE-PROVEN	HAUTE-PROVENCE	NEW SCHAUIN	FREIBURG, GFR		

ALL VALUES IN THE MAXIMUM INTENSITY COLUMN FOR SAC PEAK ARE ARBITRARY UNITS (0-40) AND FOR LOCKHEED ARE ARBITRARY UNITS (10-40), NOT PERCENT OF CONTINUOUS SPECTRUM.

SEE DESCRIPTIVE TEXT PUBLISHED NOVEMBER 1961 FOR DEFINITION OF CORRECTED AREA VALUES LISTED FOR CLIMAX, HAWAII, LOCKHEED AND SACRAMENTO PEAK.

E = LESS THAN D = GREATER THAN U = APPROXIMATE □ = NOT REPORTED.