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Apr 03

H α SOLAR FLARES

APRIL 2003

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	Obs See	Type	Area Measurement			Remarks
																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0001	HOLL	01	0001	0003	0015	S12	W50	10318	03	28.3	14	SF		3	E		10		F
			01 0140		0201														No Flare Patrol
			01 0346		0557														No Flare Patrol
0002	KANZ	01	0807	0808	0810	S18	W52	10318	03	28.5	3	SF		2	E				
0003	KANZ	01	0959	1000	1005	S11	E02	10324	04	1.6	6	SF		2	E				
0004	HOLL	01	1436	1437	1512	S14	W56	10318	03	28.5	36	SF		3	E		68		F
0005		01	1436	1444	1456	S13	W58	10318	03	28.3	20	1F					58		F
	KANZ	01	1436	1444	1459	S13	W57	10318	03	28.4	23	1F		2	E				
	RAMY	01	1437	1445	1454	S13	W59	10318	03	28.2	17	SF		3	E		58		F
0006	VORO	02	0012	0014	0023	S12	E07		04	2.5	11	SF		3	C	0014	134	1.4	
0007	HOLL	02	0012	0014	0020	S12	W07	10324	04	1.5	8	SF		3	E		45		
			02 0119		0455														No Flare Patrol
			02 0706		0850														No Flare Patrol
0008	SVTO	02	1129	1131	1138	S11	W14	10324	04	1.4	9	SF		3	E		19		
0009	SVTO	02	1511	1512U	1529	S10	W16	10324	04	1.4	18	SF		3	E		40		F
0010	HOLL	02	1527	1528U	1548	S11	W14	10324	04	1.6	21	SF		3	E		31		
			02 1848		2027														No Flare Patrol
0011	HOLL	02	2042	2043	2047	S12	W21	10324	04	1.3	5	SF		3	E		22		FH
			02 2100		2234														No Flare Patrol
0012	LEAR	03	0138	0139	0149	S07	W30	10324	03	31.8	11	SF		3	E		53		F
0013	LEAR	03	0434	0437	0443	S07	W32	10324	03	31.8	9	SF		3	E		13		
0014	SVTO	03	1017	1026	1050	S10	W25	10324	04	1.6	33	1F		3	E		147		F
0015	RAMY	03	1038E	1038U	1107	S11	W26	10324	04	1.5	29D	1F		3	E		110		F
			03 1630		1648														No Flare Patrol
0016	HOLL	03	1817	1818	1824	S12	W30	10324	04	1.5	7	SF		3	E		39		
0017	HOLL	03	2016	2017	2024	S12	W31	10324	04	1.5	8	SF		3	E		24		H
0018	HOLL	03	2235	2236	2243	S11	W35	10324	04	1.3	8	SF		3	E		10		
0019	LEAR	04	0134	0135	0142	N09	W62	10321	03	30.5	8	SF		3	E		15		F
0020	LEAR	04	0238	0241	0248	S04	W65	10323	03	30.3	10	SF		3	E		35		F
			04 0324		0734														No Flare Patrol
			04 0804		0814														No Flare Patrol
0021	SVTO	04	0837	0840	0847	S08	W40	10324	04	1.4	10	SF		3	E		51		F
0022	LEAR	04	0839	0840	0847	S08	W48	10324	03	31.8	8	SF		3	E		43		F
			04 1143		1153														No Flare Patrol
0023	RAMY	04	1213	1216	1223	S12	W40	10324	04	1.5	10	SF		3	E		13		F
0024		04	1347	1355	1402	N06	W62	10321	03	31.0	15	SF					20		
	HOLL	04	1347	1355	1402	N07	W63	10321	03	30.9	15	SF		3	E		20		
	KANZ	04	1352E	1353U	1356D	N06	W61	10321	03	31.0	4D	SF		2	E				

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																	Apparent (10-6 Disk)	Corr (Sq Deg)	
0025	HOLL	04	1415	1416	1427	S12	W43	10324	04	1.3	12	SF		3	E		92		F
0026	HOLL	04	1416	1421	1508	N08	W62	10321	03	31.0	52	SF		3	E		28		F
0027	HOLL	04	1436	1445	1454	S11	W40	10324	04	1.6	18	SF		3	E		37		F
0028		04	1702	17022	1714	N08	W66	10321	03	30.9	12	SF					58		FH
	RAMY	04	1702	1702	1718D	N09	W68	10321	03	30.7	16D	SF		2	E		48		FH
	HOLL	04	1702	1704	1714	N08	W64	10321	03	31.0	12	SF		3	E		68		F
0029	HOLL	04	1729	1732	1741	N08	W64	10321	03	31.0	12	SF		3	E		24		
0030	HOLL	04	1735	1739	1745	S12	W45	10324	04	1.3	10	SF		3	E		36		
0031	HOLL	04	1851	1851	1856	S11	W43	10324	04	1.5	5	SF		3	E		15		
0032	HOLL	04	1857	1858	1900	N08	W66	10321	03	30.9	3	SF		3	E		13		H
0033	HOLL	04	1907	1908	1922	N08	W65	10321	03	31.0	15	SF		3	E		35		F
0034	HOLL	04	1948	1949	1954	N08	W66	10321	03	31.0	6	SF		3	E		18		H
0035	HOLL	04	1950	2017	2123	S11	W40	10324	04	1.8	93	1F		3	E		155		FH
0036	HOLL	04	2050	2055	2109	N08	W66	10321	03	31.0	19	SF		3	E		39		F
		05	0137		0359	No Flare Patrol													
		05	0552		0727	No Flare Patrol													
0037	KANZ	05	0843	0853	0906	S11	W59	10324	03	31.9	23	SF		2	E				
0038	KANZ	05	0908	0922	0959	S11	W59	10324	03	31.9	51	SF		2	E				
0039	KANZ	05	1014	1016	1028	S11	W59	10324	04	1.0	14	SF		2	E				
0040	KANZ	05	1033	1037	1046	S11	W59	10324	04	1.0	13	SF		2	E				
0041		05	1503	1507	1520	S11	W56	10324	04	1.4	17	SF					61		F
	SVTO	05	1503	1506U	1524	S11	W53	10324	04	1.6	21	SF		3	E		95		F
	HOLL	05	1503	1507	1520	S12	W58	10324	04	1.2	17	SF		3	E		63		F
	RAMY	05	1506E	1506U	1515	S10	W56	10324	04	1.4	9D	SF		3	E		25		F
0042	HOLL	05	1723	1723	1726	S12	W59	10324	04	1.3	3	SF		3	E		10		
		06	0016		0042	No Flare Patrol													
		06	1049		1222	No Flare Patrol													
0043	HOLL	06	1922	1923	1947	S09	W71	10324	04	1.5	25	SF		3	E		40		F
		07	0727		0729	No Flare Patrol													
		07	0731		0733	No Flare Patrol													
		07	0738		0739	No Flare Patrol													
		07	0743		0747	No Flare Patrol													
		07	0750		0756	No Flare Patrol													
		07	0800		0802	No Flare Patrol													
		07	0846		0854	No Flare Patrol													
		08	0000		0009	No Flare Patrol													
		08	0029		0048	No Flare Patrol													
		08	0122		0125	No Flare Patrol													
		08	0532		0633	No Flare Patrol													
		08	0649		0657	No Flare Patrol													
		08	0705		0711	No Flare Patrol													
		08	0755		0859	No Flare Patrol													
0044	KANZ	08	1222	1223	1224	N04	E15	10330	04	9.6	2	SF		2	E				
0045	RAMY	08	1941E	1941U	1952D	S10	W63	10326	04	4.1	11D	SF		2	E		12		F
0046	LEAR	09	0117	0121	0130	S10	W71	10326	04	3.7	13	SF		3	E		65		F

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													Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0047	LEAR	09 0350	0352	0403	S08 W76	10326 04	3.5	13	SF		3	E		19			
		09 0938		1039	No Flare Patrol												
0048	HOLL	09 2327	2329	2335	S10 W78	10326 04	4.1	8	1F		3	E		130			
0049	HOLL	10 0030	0030	0120D	S10 E77	10334 04	15.8	50D	3F		3	E		732			
		10 0033		0039	No Flare Patrol												
		10 0731		1047	No Flare Patrol												
		10 1501		1550	No Flare Patrol												
		10 1652		2400	No Flare Patrol												
0050	VORO	10 2325	2330	2341	S08 E89		04 17.6	16	1N		3	C	2330	99	6.9		
		11 0000		0023	No Flare Patrol												
		11 0133		0140	No Flare Patrol												
		11 0200		0208	No Flare Patrol												
		11 0743		0806	No Flare Patrol												
		11 0825		0849	No Flare Patrol												
		11 0900		1204	No Flare Patrol												
		11 1213		1305	No Flare Patrol												
		12 0124		0320	No Flare Patrol												
		12 0336		0821	No Flare Patrol												
		12 0923		1105	No Flare Patrol												
		12 1209		1219	No Flare Patrol												
		12 1237		1257	No Flare Patrol												
		12 1910		1914	No Flare Patrol												
		12 2250		2258	No Flare Patrol												
0051		13 08492	08522	0902	N07 W50	10330 04	9.6	13	SF					53			
	KANZ	13 0849	0854	0902D	N05 W50	10330 04	9.6	13D	SM		2	E					
	SVTO	13 0851	0852	0859	N10 W52	10330 04	9.5	8	SF		3	E		30			
	LEAR	13 0851	0854	0906	N07 W49	10330 04	9.7	15	SF		3	E		76			
0052		14 08153	08194	0828	S04 E58		04 18.7	13	SF					19			
	KANZ	14 0815	0823	0828	S04 E56		04 18.5	13	SF		2	E					
	LEAR	14 0818	0819	0825D	S05 E60		04 18.8	7D	SF		3	E		19			
0053	KANZ	14 1310	1316	1323	S08 E22	10334 04	16.2	13	SF		2	E					
		14 1732		1738	No Flare Patrol												
		14 1743		1814	No Flare Patrol												
		14 1819		1833	No Flare Patrol												
		14 1852		1900	No Flare Patrol												
		14 2005		2027	No Flare Patrol												
		14 2110		2124	No Flare Patrol												
		14 2200		2229	No Flare Patrol												
		14 2331		2400	No Flare Patrol												
		15 0000		0439	No Flare Patrol												
		15 1608		1616	No Flare Patrol												
		15 1651		1809	No Flare Patrol												
		15 1822		2309	No Flare Patrol												
0054	KANZ	17 0838	0839	0843	S19 E10	10335 04	18.1	5	SN		2	E					
		17 0931		0945	No Flare Patrol												
		17 0954		0957	No Flare Patrol												
		17 1001		1005	No Flare Patrol												
		17 1139		1144	No Flare Patrol												
		17 1147		1157	No Flare Patrol												
		17 1159		1202	No Flare Patrol												
		17 1222		1415	No Flare Patrol												
		17 1421		1722	No Flare Patrol												
		17 1803		1848	No Flare Patrol												
		17 2255		2305	No Flare Patrol												
		18 1100		1107	No Flare Patrol												
		18 1112		1113	No Flare Patrol												
		18 1115		1116	No Flare Patrol												
		18 1847		2002	No Flare Patrol												

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)	
0055	RAMY	19	1440E	1440U	1447	N17	E27	10338	04	21.7	7D	SF		3	E		12		
			20 0000		0057														No Flare Patrol
0056	LEAR	20	0728	0730	0732	S13	E67	10337	04	25.4	4	SF		3	E		20		
0057	HOLL	20	1921	1922	1937	N18	W49	10339	04	17.1	16	SF		3	E		51		F
0058	HOLL	20	2146	2146	2155	N17	W42	10339	04	17.7	9	SF		3	E		11		F
0059	HOLL	21	0034	0038	0048	N17	W47	10339	04	17.4	14	SF		3	E		10		
			21 0926		1057														No Flare Patrol
			21 1227		1235														No Flare Patrol
0060		21	13024	13071	1330	N18	E02	10338	04	21.7	28	1N					116		F
	RAMY	21	1302	1308	1325	N18	E02	10338	04	21.7	23	1N		3	E		115		
	HOLL	21	1306	1307	1334	N17	E03	10338	04	21.8	28	1F		3	E		116		F
0061	HOLL	21	1554	1600	1610	S13	E47	10337	04	25.2	16	SF		3	E		47		F
0062	HOLL	21	1742	1742	1747	N16	W53	10339	04	17.7	5	SF		3	E		29		
0063	HOLL	21	1932	1939	1942	N18	W52	10339	04	17.8	10	SF		3	E		11		
			21 2110		2120														No Flare Patrol
0064	HOLL	21	2136	2141	2201	S08	E47	10340	04	25.4	25	SF		3	E		38		
0065	HOLL	21	2232	2232	2237	N18	W64	10339	04	17.1	5	SF		3	E		11		
			22 0202		0214														No Flare Patrol
0066	KANZ	22	0634	0650	0655	N17	W10	10338	04	21.5	21	SF		2	E				
			22 0927		1109														No Flare Patrol
			22 1115		1133														No Flare Patrol
			22 1156		1246														No Flare Patrol
0067		22	16151	1616	1623	N20	W18	10338	04	21.3	8	SF					30		F
	HOLL	22	1615	1616	1624	N20	W17	10338	04	21.4	9	SF		3	E		31		F
	RAMY	22	1616	1616	1622	N19	W18	10338	04	21.3	6	SF		3	E		30		F
0068		22	19574	20051	2020	N19	W14	10338	04	21.8	23	SF					26		F
	HOLL	22	1957	2006	2022	N20	W14	10338	04	21.8	25	SF		3	E		35		
	RAMY	22	2001	2005	2017	N18	W15	10338	04	21.7	16	SF		3	E		16		F
0069	HOLL	22	2106	2107	2112	N17	W70	10339	04	17.5	6	SF		3	E		26		
0070	LEAR	23	0045	0102	0140	N22	W25	10338	04	21.1	55	1N		3	E		187		FU
			23 0206		0318														No Flare Patrol
0071	HOLL	23	1541	1547	1629	N19	W23	10338	04	21.9	48	SF		3	E		82		FH
0072	SVTO	23	1543	1558	1625	N20	W22	10338	04	22.0	42	1F		3	E		157		F
0073	HOLL	23	1623	1624	1626	N17	W78	10339	04	17.7	3	SF		3	E		16		
0074	LEAR	24	0532	0533	0548	S15	E08	10337	04	24.8	16	SF		3	E		54		F
0075	KANZ	24	0559E	0559E	0615	S16	E12	10337	04	25.1	16D	1F		2	E				
			24 0842		0843														No Flare Patrol
			24 0845		0848														No Flare Patrol
			24 0943		0945														No Flare Patrol
			24 0947		0948														No Flare Patrol
			24 0951		0952														No Flare Patrol
			24 0954		1003														No Flare Patrol
			24 1007		1010														No Flare Patrol

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														Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
		24	1019	1020			No Flare	Patrol										
		24	1033	1034			No Flare	Patrol										
		24	1036	1043			No Flare	Patrol										
0076	RAMY	24	1250	1251	1312	N21 W39	10338	04	21.5	22	1N	3	E		132		FU	
0077	HOLL	24	1250	1310	1321	N19 W36	10338	04	21.8	31	SF	3	E		66		F	
0078	HOLL	24	1349	1355	1358	S18 E83	10345	04	30.9	9	SF	3	E		24			
0079	HOLL	24	1423	1435	1439	S18 E83	10345	04	30.9	16	SF	3	E		31			
		24	1616	1700			No Flare	Patrol										
0080	HOLL	24	2329	2332	2337	N21 W42	10338	04	21.7	8	SF	3	E		10		F	
0081	LEAR	25	0526	0533	0537	N14 E79	10346	05	1.2	11	SF	3	E		41		F	
0082	KANZ	25	0603E	0603E	0615	N12 E71	10346	04	30.6	12D	SF	2	E					
0083	KANZ	25	0823	0823	0832	N14 E32	10344	04	27.8	9	SF	2	E					
0084	KANZ	25	0824	0838	0853	N18 W37	10342	04	22.5	29	SF	2	E					
0085	KANZ	25	0921	0925	0927	N18 W45	10342	04	22.0	6	SF	2	E					
0086		25	1348	1415	1430	N22 W54	10338	04	21.4	42	SF				39		H	
	HOLL	25	1348	1415	1440	N22 W51	10338	04	21.6	52	SF	3	E		62			
	RAMY	25	1415E	1415U	1419	N22 W56	10338	04	21.3	4D	SF	3	E		16		H	
0087	RAMY	25	1424E	1424U	1430	N22 W57	10338	04	21.2	6D	SF	3	E		18		H	
0088		25	1715	1725	1733	N22 W56	10338	04	21.4	18	SF				14			
	HOLL	25	1715	1725	1735	N21 W54	10338	04	21.6	20	SF	3	E		14			
	RAMY	25	1720E	1720U	1731	N22 W59	10338	04	21.2	11D	SF	3	E		15			
0089	HOLL	25	1926	1930	1937	N20 W57	10338	04	21.4	11	SF	3	E		34		F	
0090	HOLL	25	1943	1953	2008	N19 W58	10338	04	21.4	25	SF	3	E		80		FH	
0091	HOLL	25	2054	2056	2113	N21 W62	10338	04	21.1	19	SF	3	E		36		FH	
0092	HOLL	26	0057	0058	0105	N20 W65	10338	04	21.1	8	SF	3	E		29			
0093	LEAR	26	0140	0145	0235	N21 W59	10338	04	21.5	55	1F	2	E		120		FH	
0094	LEAR	26	0305E	0309	0315	N20 W69	10338	04	20.8	10D	SN	3	E		52		EF	
		26	0435	0440			No Flare	Patrol										
		26	0449	0500			No Flare	Patrol										
		26	0617	0618			No Flare	Patrol										
0095	KANZ	26	0656	0702	0704	N13 W59	10338	04	21.8	8	SF	2	E					
0096	KANZ	26	0803	0809	0816	N18 W74	10338	04	20.7	13	1N	2	E					
		26	1032	1033			No Flare	Patrol										
0097		26	1423	1423	1428	N20 W74	10338	04	20.9	5	SF				20			
	RAMY	26	1422E	1422U	1429	N19 W74	10338	04	20.9	7D	SF	3	E		18			
	HOLL	26	1423	1423	1428	N20 W73	10338	04	21.0	5	SF	3	E		21			
0098		26	1444	1452	1456	N20 W70	10338	04	21.2	12	SF				20			
	RAMY	26	1444E	1444U	1456	N20 W74	10338	04	20.9	12D	SF	3	E		19			
	HOLL	26	1444	1452	1455	N21 W66	10338	04	21.5	11	SF	3	E		21			
0099	HOLL	26	1525	1527	1529	N21 W66	10338	04	21.6	4	SF	3	E		15			

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																Time (UT)	Apparent (10-6 Disk)	Corr (Sq Deg)		
0100		26	1634	1634	1638	N20	W72	10338	04	21.2	4	SF					26		H	
	RAMY	26	1634	1634	1638	N20	W76	10338	04	20.9	4	SF		3	E		26		H	
	HOLL	26	1634	1635	1638	N21	W67	10338	04	21.5	4	SF		3	E		27			
0101	RAMY	26	1758	1759U	1830D	N20	W75	10338	04	21.0	32D	SF		3	E		13		H	
0102	HOLL	26	1935	1938	1947	N21	W67	10338	04	21.7	12	SF		3	E		71		F	
0103	HOLL	26	2321	2321	2326	N20	W71	10338	04	21.5	5	SF		3	E		17			
0104	HOLL	27	0015	0017	0018	N21	W71	10338	04	21.6	3	SF		3	E		15			
0105	HOLL	27	0030	0033	0036	N20	W71	10338	04	21.6	6	SF		3	E		16			
0106		27	0044S	0059	0134	N20	W70	10338	04	21.7	50	2F					333		F	
	HOLL	27	0044	0059	0122	N21	W67	10338	04	21.9	38	2F		3	E		384		F	
	LEAR	27	0049	0059	0147	N20	W72	10338	04	21.5	58	2F		3	E		282			
0107	LEAR	27	0310	0314	0322	S16	E57	10349	05	1.4	12	SF		4	E		34			
		27	0853		1125	No Flare Patrol														
0108	HOLL	27	1531	1531	1550D	N21	W85	10338	04	21.1	19D	SF		3	E		26			
		28	0436		0450	No Flare Patrol														
0109	HOLL	28	1523	1523	1550	S14	W43	10337	04	25.4	27	SF		3	E		12		F	
0110	HOLL	28	1815	1815	1826	N16	W13	10344	04	27.8	11	SF		3	E		20		F	
0111	LEAR	29	0436	0442	0444	S12	W56	10337	04	25.0	8	SF		3	E		45		F	
0112	LEAR	29	0445	0448	0521D	S12	W55	10337	04	25.0	36D	1F		3	E		104		F	
		29	0453		0520	No Flare Patrol														
		29	0642		0823	No Flare Patrol														
		29	0832		0850	No Flare Patrol														
0113	KANZ	29	0907	0910	0925	S13	E28	10349	05	1.5	18	SF		2	E					
0114	KANZ	29	0926	0949	0953	S13	E28	10349	05	1.5	27	SF		2	E					
0115	KANZ	29	0957	1055	1215	S13	E27	10349	05	1.4	138	SF		2	E					
0116	KANZ	29	1245	1252	1419	S13	E24	10349	05	1.3	94	SF		2	E					
0117	HOLL	29	1401	1402	1410	S13	E27	10349	05	1.6	9	SF		3	E		14			
0118	KANZ	29	1420	1445	1502D	S13	E26	10349	05	1.5	42D	SF		2	E					
0119	HOLL	29	2117	2117	2128	S13	E24	10349	05	1.7	11	SF		3	E		11			
		29	2232		2238	No Flare Patrol														
0120	HOLL	29	2241	2242	2245	S13	E17	10349	05	1.2	4	SF		3	E		24			
		29	2308		2321	No Flare Patrol														
0121	HOLL	29	2337	2347	2436	S13	E22	10349	05	1.6	59	SF		3	E		59			
		30	0020		0027	No Flare Patrol														
		30	0137		0656	No Flare Patrol														
		30	0701		0710	No Flare Patrol														
		30	0713		0714	No Flare Patrol														
		30	0738		0739	No Flare Patrol														
		30	0741		0827	No Flare Patrol														
0122	SVTO	30	1251	1252	1259	S12	W52	10340	04	26.6	8	SF		3	E		10			