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OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
66 CULG	01	0001	0023	0110	N13	W25	.429		29.1	69	-F	C	0023	30	.3	
67 CULG	01	0050	0058	0120	N19	E14	.314	17880	2.1	30	-F	C	0058	40	.4	
68 CULG	01	0250E	0254	0311D	N12	E13	.240	17868	2.1	21D	-B	P	0254	40	.4	D
	01	0303	0305	NO FLARE PATROL												
	01	0313	0317	NO FLARE PATROL												
GRP98069	01	0318+2	0322+7	0344	S07	W06	.258	17871	30.7	26	-N			80	.8	K
CULG	01	0318E	0322U	0413	S07	W06	.258	17871	30.7	55D	-N	P	0322	90	.9	KF
LEAR	01	0320	0327	0344	S07	W06	.258	17871	30.7	24	-F 3	C		63		
YUNN	01	0328E	0329	0344	S07	W05	.252	17871	30.8	16D	-N	P		80	.9	D
	01	0319	0320	NO FLARE PATROL												
	01	0408	0412	NO FLARE PATROL												
70 CULG	01	0413E	0413U	0442	N14	E16	.298	17868	2.4	29D	-N	P	0413	100	1.1	F
GRP98071	01	0434+3	0438+1	0447	N11	E80	.981	17889	7.2	13	-N			40		
YUNN	01	0434	0438	0447	N11	E80	.981	17889	7.2	13	-N	C		64		
LEAR	01	0437	0439	0444	N07	E79	.979	17889	7.1	7	-F 3	C		23		
CULG	01	0438E	0438U	0447	N11	E87	.997	17889	7.7	9D	-N	P	0438	40		
72 ABST	01	0516E	0516	0521	S07	E79	.985	17878	7.1	5D	?F	P	0516	87		AD
			IMP.1 NO : CULG													
73 CULG	01	0518	0523	0536	N12	E33	.544	17876	3.7	18	-F	C	0523	50	.6	
GRP98074	01	0622E	0622	0634	N10	E83	.990	17889	7.5	12	-F					D
ABST	01	0622E	0622	0630	N10	E85	.994	17889	7.6	8D	-F	P	0622	87		D
YUNN	01	0628E		0637	N10	E82	.988	17889	7.4	9D	-N	P	0628	16		D
GRP98075	01	0622+7	0630+4	0648	N13	E33	.546	17876	3.7	26	-N					D
ABST	01	0622E	0634	0647	N13	E34	.560	17876	3.8	25D	1F *	P	0634	87		D
YUNN	01	0629	0630	0648	N13	E33	.546	17876	3.7	19	-N *	C		16	.2	
GRP98076	01	0804+3	0806+1	0825	N15	E16	.305	17868	2.5	21	-F			40	.4	HW
WEND	01	0804	0806	0823	N17	E17	.334	17868	2.6	19	-F	C	0806	28	.3	
YUNN	01	0805E	0807	0829	N16	E16	.312	17868	2.5	24D	-N	P		64	.7	HW
LEAR	01	0807	0807	0820	N15	E16	.305	17868	2.5	13	-F 3	C		25		
KANZ	01	0808E	0808	0826	N15	E13	.262	17868	2.3	18D	-N 2					
GRP98077	01	0911+1	0914+2	0921	N10	E77	.971	17889	7.2	10	-F					
WEND	01	0911	0914	0920	N10	E79	.978	17889	7.3	9	-F	C	0914	30		
KANZ	01	0912	0916	0922	N10	E75	.962	17889	7.0	10	-N 2					
78 KANZ	01	1057	1101	1111D	N12	E31	.515	17876	3.8	14D	-F 2					
GRP98079	01	1120+4	1126+1	1137	N10	E78	.975	17889	7.3	17	-N			50		
KHAR	01	1120E	1127	1138D	N10	E81	.985	17889	7.5	18D	-N	P	1127			
WEND	01	1122	1126	1132	N10	E78	.975	17889	7.3	10	-N	C	1126	38		
ATHN	01	1124	1126	1137	N08	E70	.936	17889	6.7	13	-B 3	V	1126	64		
80 KANZ	01	1137E	1137	1157	N13	E30	.503	17876	3.7	20D	-N 1					
	01	1416	1553	NO FLARE PATROL												
81 RAMY	01	1531	1533	1553	S16	E35	.662	17873	4.3	22	-N 3	C		78		
82 RAMY	01	1610	1619	1724	N13	E08	.175	17868	2.3	74	-N 3	C		35		
83 RAMY	01	1647	1652	1728	S15	W35	.655	17864	29.1	41	-N 3	C		82		
84 PALE	01	1949	2002	2023D	N10	E73	.952	17889	7.3	34D	?N 3	C		163		F
			IMP.1 NO : BIGB													
85 CULG	01	2100	2111	2159	N17	W02	.181	17880	1.7	59	?B	C	2111	240	2.4	F
			IMP.1 NO : BIGB													
86 CULG	01	2238	2242	2252	S16	E16	.465	17869	3.1	14	-F	C	2242	30	.3	

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87 LEAR	01	2306	2308	2315	N09	E70	.935	17889	7.2	9	-F	3	C		18		
88 CULG	01	2323	2326	2332	N14	E06	.163	17868	2.4	9	-F		C	2326	30	.3	
89 CULG	01	2341	2348	0004	S06	W19	.388	17871	30.6	23	-F		C	2348	50	.6	
GRP98090	01	2357+2	0000	0015	N09	E70	.935	17889	7.2	18	-F						F
CULG	01	2357	2400	0019	N10	E72	.947	17889	7.4	22	1F		C	2400	80		
LEAR	01	2359		0010	N08	E68	.923	17889	7.1	11	-F	3	C		47		F
91 CULG	02	0118	0125	0133	S05	W23	.435	17871	30.3	15	-F		C	0125	40	.5	
92 CULG	02	0121	0133	0210	S15	W39	.699	17864	29.1	49	?N		C	0133	220	3.1	IJ
			IMP.1 NO : MITK														
GRP98093	02	0200	0211+3	0244	N13	E03	.121	17868	2.3	44	-F						J
CULG	02	0200	0211	0233	N13	E03	.121	17868	2.3	33	-N		C	0211	60	.6	J
YUNN	02	0204D	0214	0255E	N14	E04	.145	17868	2.4	51D	-F		P		16	.2	
GRP98094	02	0204>9	0211 0229	0257	N11	E20	.346	17876	3.6	53	-F						JK
CULG	02	0204	0211	0310	N11	E18	.314	17876	3.4	66	-N		C	0211	70	.8	FJEK
YUNN	02	0225	0224	0229	N12	E23	.396	17876	3.8	4	-F		C		80	.9	
95 CULG	02	0238	0250	0311	S14	E26	.546	17873	4.1	33	-F		C	0250	30	.4	J
GRP98096	02	0335+3	0343+1 0354+2	0500	N13	E03	.121	17868	2.4	85	1N				420	4.2	EIJ
CULG	02	0315	0356	0540	N13	E01	.111	17868	2.2	145	2N		C	0356	520	5.2	IJT
MITK	02	0335	0343	0500	N14	E04	.145	17868	2.4	85	1N		C	0343	220	2.3	E
LEAR	02	0338	0344	0437	N13	E04	.130	17868	2.5	59	1N	3	C		421		F
YUNN	02	0352E	0354	0416D	N13	E03	.121	17868	2.4	24D	1N		P		321	3.3	E
LEAR	02	0452	0452	0457	N14	E03	.137	17868	2.4	5	-F	3	C		27		F
97 LEAR	02	0448	0450	0458	N11	E22	.377	17876	3.8	10	-F	3	C		49		
GRP98098	02	0451	0455+1	0516	S15	E25	.544	17873	4.1	25	-F				50	.6	F
LEAR	02	0451	0456	0502	S17	E25	.562	17873	4.1	11	-F	3	C		41		F
CULG	02	0455E	0455U	0529	S14	E26	.546	17873	4.2	34D	-N		P	0455	60	.7	
GRP98099	02	0502+3	0508+3	0514D	S15	W39	.699	17864	29.3	12	-F				40	.5	
CULG	02	0502	0511	0545	S15	W41	.720	17864	29.1	43	-F		C	0511	40	.6	
LEAR	02	0505	0508	0514	S16	W37	.683	17864	29.4	9	-F	3	C		38		
GRP98100	02	0552+2	0555+2	0605	S16	E31	.618	17873	4.6	13	-F				45	.6	EJ
CULG	02	0552	0556	0611	S16	E31	.618	17873	4.6	19	-N		C	0556	30	.4	
ABST	02	0553	0557	0600	S17	E32	.636	17873	4.6	7	-F		C	0557	105	1.4	EJ
LEAR	02	0554	0555	0604	S17	E31	.626	17873	4.6	10	-F	3	C		43		F
YUNN	02	0556E	0556	0606	S15	E31	.610	17873	4.6	10D	-N		P		48	.6	E
101 ABST	02	0657	0659	0754D	S06	W75	.970	17863	26.7	57D	?F		P	0659	87		EK
			IMP.1 NO : LEAR CULG TACH YUNN														
GRP98102	02	0716>9	0731+5	0754	N12	E20	.349	17876	3.8	38	-N						EHJ
ABST	02	0716	0736	0754D	N12	E20	.349	17876	3.8	38D	1N		P	0736	201	2.2	EJ
LEAR	02	0721	0732	0809	N11	E20	.346	17876	3.8	48	-N	3	C		149		FH
CULG	02	0725	0735	0736D	N13	E20	.353	17876	3.8	11D	-B		P	0735	70	.8	
YUNN	02	0726	0734	0750	N12	E20	.349	17876	3.8	24	-B		C		64	.7	E
ATHN	02	0728	0731	0757	N10	E18	.311	17876	3.7	29	-B	3	V	0731	159	1.7	
WEND	02	0729	0731	0738	N13	E20	.353	17876	3.8	9	-F		C	0731	53	.6	
103 ABST	02	0724	0726	0734	N08	W60	.861	17870	27.8	10	-F		C	0726	87	1.7	D
GRP98104	02	0727+1	0729+0	0732	S13	W53	.831	17864	28.3	5	-F						D
WEND	02	0727	0729	0731	S13	W52	.822	17864	28.4	4	-F		C	0729	18	.3	D
ABST	02	0728	0729	0732	S14	W54	.843	17864	28.3	4	-F		P	0729	70	1.3	D
GRP98105	02	0824	0828	0847	N10	E43	.677	17882	5.6	23	-N						GU
YUNN	02	0824	0828	0846	N10	E46	.714	17882	5.8	22	-N		C		48	.7	GU
KANZ	02	0833E	0833	0847	N11	E40	.639	17882	5.4	14D	-F	2					

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GRP98106	02	0838+2	0858+2 0918+3	0932	N13	E20	.353	17876	3.9	54	-N						K
LEAR	02	0838	0852	0950D	N11	E20	.346	17876	3.9	72D	-N	3	C		139		F
YUNN	02	0838	0858	0922	N13	E19	.338	17876	3.8	44	-N		C		177	1.9	K
YUNN	02	0838	0846	0922	N13	E19	.338	17876	3.8	44	-N		C		80	.9	E
YUNN	02	0838	0918	0922	N12	E20	.349	17876	3.9	44	-N	*	C		80	.9	E
KANZ	02	0840	0900	0903D	N13	E20	.353	17876	3.9	23D	-N	2					
WEND	02	0854E		0906	N13	E19	.338	17876	3.8	12D	-N		C	0854	56	.6	
WEND	02	0917	0921	0932D	N13	E19	.338	17876	3.8	15D	-F	*	C	0921	16	.2	
GRP98107	02	0840+4	0845+2	0849	S15	E30	.599	17873	4.6	9	-N				90	1.1	
YUNN	02	0840D	0858E	0846	S14	E30	.591	17873	4.6	6D	-N	*	P	0846	96	1.2	
KANZ	02	0844	0847	0849	S15	E31	.610	17873	4.7	5	-N	*					
LEAR	02	0844	0845	0853	S17	E29	.604	17873	4.5	9	-F	*	C		82		
108 LEAR	02	0842	0842	0845	S15	W54	.846	17864	28.3	3	-F	3	C		18		
109 WEND	02	0919	0926	0932	N08	E46	.715	17877	5.8	13	-F		C	0926	50	.7	
110 ATHN	02	1048	1051	1112	N08	E64	.894	17889	7.2	24	-B	3	V	1051	80	1.7	
111 ATHN	02	1125	1127	1139	N10	E15	.262	17876	3.6	14	-B	3	V	1127	95	1.0	
112 WEND	02	1316E		1323D	N13	E17	.307	17876	3.8	7D	-N		C	1318	30	.3	
	02	1401	1439	NO FLARE PATROL													
	02	1447	1455	NO FLARE PATROL													
113 HUAN	02	1608	1615	1630	N12	E16	.287	17876	3.9	22	-N	2	C	1615	60	.6	E
114 HUAN	02	1630	1637	1656	N12	E15	.271	17876	3.8	26	-N	2	C	1637	100	1.1	E
115 PALE	02	1852	1857	1917	N12	E13	.240	17876	3.8	25	-N	3	C		72		E
	02	1928	1936	NO FLARE PATROL													
116 PALE	02	1935E	1939U	1952	N12	E13	.240	17876	3.8	17D	-F	3	C		45		
	02	2023	2039	NO FLARE PATROL													
117 LEAR	02	2334	2334	2346	N11	E10	.187	17876	3.7	12	-F	3	C		38		
GRP98118	02	2353+3	2359+2	0036	N12	E07	.152	17876	3.5	43	-N						J
LEAR	02	2353	2401	0034	N11	E08	.157	17876	3.6	41	1N	3	C		205		F
VORO	02	2356	2359	0038	N13	E07	.162	17876	3.5	42	-F		C	2359	63	.6	EJ
GRP98119	03	0042+3	0045+1	0053	N12	E08	.166	17876	3.6	11	-F				50	.5	EJ
VORO	03	0042	0045	0052	N12	E08	.166	17876	3.6	10	-N		C	0045	45	.5	EJ
PALE	03	0045	0046	0054	N12	E09	.180	17876	3.7	9	-F	3	C		60		
GRP98120	03	0218	0221 0228	0230	N12	E11	.210	17876	3.9	12	-N						K
LEAR	03	0218	0228	0230	N12	E11	.210	17876	3.9	12	-N	3	C		45		K
LEAR	03	0218	0221	0230	N12	E11	.210	17876	3.9	12	-N	3	C		28		K
GRP98121	03	0227+3	0231+1	0252	S17	00	.401	17881	3.1	25	-N				180	1.9	EJ
LEAR	03	0227	0232	0308	S17	E00	.401	17881	3.1	41	-N	3	C		176		F
YUNN	03	0230E	0231	0242	S16	E00	.385	17881	3.1	12D	1N		P		193	2.2	E
VORO	03	0230	0231	0252	S17	E00	.401	17881	3.1	22	-N		C	0231	45	.5	EJ
122 LEAR	03	0230	0230	0241	N12	E08	.166	17876	3.7	11	-N	*	C		37		F
GRP98123	03	0346	0355+1	0409	N12	E07	.152	17876	3.7	23	-N				80	.8	
LEAR	03	0346	0356	0417	N11	E07	.142	17876	3.7	31	-N	3	C		83		F
YUNN	03	0351D	0355	0400	N13	E07	.163	17876	3.7	9D	-N		P		80	.8	E
GRP98124	03	0440+4	0451	0529	N07	W32	.527	17866	30.8	49	-N				35	.4	E
YUNN	03	0440		0450D	N07	W32	.527	17866	30.8	10D	-N		P	0450	32	.4	E
LEAR	03	0444	0451	0517	N05	W31	.513	17866	30.9	33	-N	3	C		39		
ABST	03	0457E	0457	0541	N07	W35	.570	17866	30.6	44D	-F		P	0457	122	1.5	BE

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GRP98125	03	0509+1	0511+2	0533	N11	E06	.128	17876	3.7	24	-N				180	1.8	EJ
ABST	03	0509	0511	0535	N11	E06	.128	17876	3.7	26	-N		C	0511	192	2.0	EJ
LEAR	03	0510	0513	0531	N11	E06	.128	17876	3.7	21	-B	3	C		171		FE
126 LEAR	03	0543	0544	0553	N05	E50	.763	17877	7.0	10	-F	3	C		26		
GRP98127	03	0621+7	0632+0	0639	S04	E47	.744	17878	6.8	18	-F						
ABST	03	0621	0632	0642	S05	E47	.747	17878	6.8	21	-F		C	0632	96	1.5	D
YUNN	03	0628	0632	0636	S03	E48	.753	17878	6.9	8	-N		C		32	.5	E
128 ABST	03	0626	0639	0750	S12	E29	.564	17885	5.4	84	-F		C	0639	79	1.0	D
129 ABST	03	0637	0642	0701	S07	E25	.476	17884	5.2	24	-F		C	0642	131	1.5	E
GRP98130	03	0648+9	0654+1 0701	0747	N11	E04	.103	17876	3.6	59	-N						FJK
ABST	03	0648	0655	0758	N11	E04	.103	17876	3.6	70	1N		C	0655	262	2.7	FJK
ATHN	03	0654E	0654	0711D	N13	E06	.151	17876	3.7	17D	-B	3	V	0654	95	1.0	
LEAR	03	0657	0701	0719	N11	E04	.103	17876	3.6	22	-N	3	C		52		F
LEAR	03	0725	0727	0735	N12	E05	.127	17876	3.7	10	-N	3	C		50		F
GRP98131	03	0714+2	0716+6	0738	N10	W16	.279	17868	2.1	24	-F						DJ
ABST	03	0714	0716	0746	N10	W16	.279	17868	2.1	32	-F		C	0716	114	1.2	DJ
LEAR	03	0716	0722	0729	N10	W17	.295	17868	2.0	13	-F	3	C		41		
132 LEAR	03	0720	0729	0739	S09	E46	.748	17878	6.8	19	-F	3	C		30		
133 KANZ	03	0747	0751	0759	N12	E03	.107	17876	3.5	12	-N	2					
GRP98134	03	0809+1	0818+1	0844	N13	E04	.130	17876	3.6	35	-N						E
YUNN	03	0809	0819	0844	N13	E05	.140	17876	3.7	35	-N		C		64	.7	E
KANZ	03	0810	0818	0841D	N13	E03	.122	17876	3.6	31D	-N	2					
135 ISTA	03	0827		0830	S06	E26	.483	17884	5.3	3	-F						E
GRP98136	03	0836+7	0845+4	0919	S15	W60	.893	17864	28.9	43	1N				110	2.3	
LEAR	03	0836	0845	0925	S15	W59	.886	17864	28.9	49	1N	3	C		125		F
YUNN	03	0837	0849	0903	S15	W60	.893	17864	28.9	26	-N		C		32	.7	E
ATHN	03	0843	0847	0919	S14	W65	.925	17864	28.5	36	1B	2	V	0847	111	2.9	
137 KANZ	03	0923	0923	0951D	N13	E03	.122	17876	3.6	28D	-N	2					
GRP98138	03	1025+0	1031+4	1128	S07	E45	.730	17878	6.8	63	1B				160	2.3	
CATA	03	1025	1035	1050D	S07	E45	.730	17878	6.8	25D	1	2	C	1035	169	2.5	
KANZ	03	1025	1033	1037D	S07	E45	.730	17878	6.8	12D	-B	2					
ATHN	03	1026E	1031	1128	S06	E48	.761	17878	7.0	62D	1B	2	V	1031	159	2.4	
GRP98139	03	1154+2	1203 1213	1341	N13	E05	.140	17876	3.9	107	-B						FK
RAMY	03	1154	1213	1341	N13	E05	.140	17876	3.9	107	1N	3	C		336		K
RAMY	03	1154	1245	1341	N13	E05	.140	17876	3.9	107	1B	3	C		291		FK
ATHN	03	1156	1203	1226D	N13	E06	.151	17876	3.9	30D	-N	2	V	1203	143	1.5	
140 RAMY	03	1219	1221	1236	S06	E25	.469	17884	5.4	17	-F	3	C		45		
141 RAMY	03	1248	1251	1311	S17	W85	.999		27.2	23	-F	3	C		52		
142 RAMY	03	1249	1252	1322	S06	E46	.739	17878	7.0	33	-N	3	C		33		
	03	1333	1339	NO FLARE PATROL													
143 RAMY	03	1358	1405	1409	S06	E23	.441	17884	5.3	11	-F	3	C		20		
144 RAMY	03	1359	1409	1421	N12	E03	.107	17876	3.8	22	-F	3	C		31		
145 RAMY	03	1424	1424	1430	N13	E02	.116	17876	3.7	6	-F	3	C		34		
146 RAMY	03	1533	1534	1601	S05	E41	.676	17878	6.7	28	-F	3	C		23		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type		Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98147	03	1616+1	1618	1627	N13	E01	.112	17876	3.8	11	-F						D
HUAN	03	1616E		1622	N13	E02	.116	17876	3.8	6D	-N	1	P	1618	20	.2	D
HOLL	03	1617	1618	1631	N13	E00	.111	17876	3.7	14	-F	3	C		57		
148 HOLL	03	1713	1714	1734	S07	E21	.423	17884	5.3	21	-F	3	C		28		
149 HOLL	03	1844	1848	1918	N13	E47	.728	17889	7.3	34	-F	3	C		36		
150 HOLL	03	1910	1913	1946	N10	E31	.513	17877	6.1	36	-N	3	C		180		UF
GRP98151	03	2006>9	2007 2032+1	2042	N13	W03	.122	17876	3.6	36	-N				50	.5	K
HOLL	03	2006	2033	2044	N13	W02	.116	17876	3.7	38	-N	3	C		60		K
HOLL	03	2006	2007	2044	N13	W02	.116	17876	3.7	38	-N	3	C		46		K
CULG	03	2026	2032	2040	N14	W04	.145	17876	3.6	14	-B		C	2032	40	.4	
152 HOLL	03	2052	2101	2122	S08	E41	.687	17878	6.9	30	-F	3	C		49		
GRP98153	03	2203+8	2223+2	2253	N13	W21	.369	17868	2.3	50	-F				150	1.6	F
CULG	03	2203	2225	2254	N14	W21	.373	17868	2.3	51	-N	*	C	2225	150	1.7	
HOLL	03	2211	2223	2251	N13	W21	.369	17868	2.3	40	-F	*	C		151		F
GRP98154	03	2205+2	2208+5	2253	S06	E38	.642	17878	6.8	48	-N				50	.6	J
CULG	03	2205	2213	2305	S06	E38	.642	17878	6.8	60	-N		C	2213	60	.8	J
HOLL	03	2207	2208	2240	S07	E38	.647	17878	6.8	33	-N	3	C		36		
155 HOLL	03	2208	2212	2223	N12	W03	.107	17876	3.7	15	-F	3	C		54		
156 CULG	03	2238	2246	2253	N14	W04	.145	17876	3.6	15	-N		C	2246	40	.4	J
GRP98157	04	0030+0	0032+1	0054	N06	W43	.679	17866	30.8	24	-F				30	.4	D
LEAR	04	0030	0032	0055	N06	W43	.679	17866	30.8	25	-F	3	C		29		
CULG	04	0030E	0033	0052	N07	W44	.691	17866	30.7	22D	-N		P	0033	30	.4	D
GRP98158	04	0056+4	0103+4 0123	0133	N13	E43	.679	17889	7.3	37	-N				130	1.8	FJ
CULG	04	0056	0106	0138	N13	E43	.679	17889	7.3	42	1B		C	0106	140	2.0	J
LEAR	04	0059	0107	0132	N11	E43	.678	17889	7.3	33	-N	3	C		173		F
PALE	04	0100	0103	0121	N13	E44	.692	17889	7.3	21	-F	3	C		93		
YUNN	04	0122E	0123	0134	N14	E44	.693	17889	7.4	12D	-F		P		64	.9	
159 CULG	04	0118	0124	0141	S21	E09	.484	17873	4.7	23	-F		C	0124	100	1.1	
160 CULG	04	0302	0311	0335	N14	E44	.693	17889	7.4	33	-N		C	0311	40	.6	J
GRP98161	04	0324>9	0335 0359+0	0419	S19	E06	.442	17873	4.6	55	-F				30	.3	
CULG	04	0324	0335	0403	S22	E08	.494	17873	4.7	39	-N	*	C	0335	80	.9	
CULG	04	0355	0359U	0427	S18	E06	.427	17873	4.6	32	-F	*	P	0359	30	.3	
LEAR	04	0358	0359	0411	S19	E06	.442	17873	4.6	13	-F	*	C		29		
GRP98162	04	0347+2	0353+2	0410	S08	E37	.638	17878	6.9	23	-F				30	.4	D
CULG	04	0347	0355	0414	S07	E38	.646	17878	7.0	27	-N		C	0355	30	.4	D
LEAR	04	0349	0353	0406	S09	E37	.643	17878	6.9	17	-F	3	C		34		
GRP98163	04	0353+5	0358+3	0413	N11	E41	.652	17889	7.2	20	-F				80	1.1	J
CULG	04	0353	0358	0415	N13	E41	.654	17889	7.2	22	-N		C	0358	90	1.2	JT
LEAR	04	0358	0401	0410	N10	E42	.665	17889	7.3	12	-F	3	C		73		
164 CULG	04	0432	0437	0445	N14	W05	.155	17876	3.8	13	-F		C	0437	40	.4	
165 CULG	04	0441	0452	0521	S10	E18	.413	17885	5.5	40	-N		C	0452	60	.7	E
166 CULG	04	0453	0500	0521	N15	W03	.155	17876	4.0	28	-F		C	0500	20	.2	
GRP98167	04	0601E	0603 0610	0628	S07	W87	.999	17865	27.7	27	1F						DK
ABST	04	0601E	0603	0631	S05	W85	.997	17865	27.9	30D	1F		P	0603	79		DK
CATA	04	0605E	0610	0625	S10	W90	1.000	17865	27.5	20D	-	2	P	0610	28		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
GRP98168	04	0631>9	0638+3	0657	N13	W05	.141	17876	3.9	26	-N			80	.8	
CULG	04	0631	0638	0647	N15	W05	.169	17876	3.9	16	-N	C	0638	60	.6	
ABST	04	0634	0639	0700	N14	W05	.155	17876	3.9	26	1N	C	0639	236	2.5	E
ATHN	04	0636	0641	0702	N13	E01	.113	17876	4.3	26	-B	3 V	0641	111	1.2	
LEAR	04	0641	0641	0653	N12	W08	.166	17876	3.7	12	-F	3 C		53		F
169 CATA	04	0935	0935	0940D	N15	W07	.189	17876	3.9	5D	-	2 C	0935	84	.9	
170 CATA	04	1130	1130	1140	N19	E34	.578	17887	7.0	10	-	2 C	1130	56	.7	
171 CATA	04	1230	1235	1245D	N13	E37	.602	17889	7.3	15D	1	2 P	1235	169	2.2	H
172 RAMY	04	1648	1650	1658	S04	E29	.512	17878	6.9	10	-F	3 C		44		
173 RAMY	04	1740	1747	1808D	N07	W56	.825	17866	30.5	28D	?F	3 C		168		
			IMP.1	NO : PALE												
174 HOLL	04	2053	2054	2114	N08	W58	.843	17866	30.5	21	-F	3 C		26		
GRP98175	04	2238+3	2241+1	2309	N11	W17	.298	17876	3.7	31	-N			50	.5	FH
CULG	04	2238	2241	2302	N11	W18	.314	17876	3.6	24	-N	C	2241	60	.7	
HOLL	04	2241	2242	2315	N11	W17	.298	17876	3.7	34	-N	2 C		47		FH
GRP98176	04	2310+4	2313	2333D	N08	E10	.174	17882	5.7	23	-F					G
			2323													
CULG	04	2310	2313	0009	N09	E10	.177	17882	5.7	59	-F	C	2313	110	1.1	G
HOLL	04	2314	2323	2333	N08	E10	.174	17882	5.7	19	-F	3 C		22		
177 CULG	05	0045E	0049	0120	N19	E25	.459	17887	6.9	35D	-N	C	0049	140	1.6	JT
178 CULG	05	0052	0102	0127	S04	E27	.484	17878	7.1	35	-N	C	0102	90	1.0	JT
179 CULG	05	0148	0156	0222	N04	W58	.846	17866	30.7	34	-F	C	0156	60	1.1	
GRP98180	05	0149+3	0152+3	0220	S15	W45	.761	17875	1.7	31	-N			80	1.2	
CULG	05	0149	0153	0220	S15	W46	.771	17875	1.6	31	-N	C	0153	80	1.3	E
LEAR	05	0151	0155	0222	S14	W45	.756	17875	1.7	31	-N	3 C		115		F
PALE	05	0152	0152	0207	S15	W45	.761	17875	1.7	15	-F	3 C		28		FE
GRP98181	05	0210+5	0215+1	0233	N10	W24	.407	17876	3.3	23	-F			50	.5	H
CULG	05	0210	0215	0245	N09	W29	.482	17876	2.9	35	-N	C	0215	70	.8	
LEAR	05	0215	0216	0221	N11	W20	.346	17876	3.6	6	-F	3 C		33		H
GRP98182	05	0238+6	0246+1	0253	S15	W47	.781	17875	1.6	15	-F			70	1.1	
CULG	05	0238	0246	0257	S15	W47	.781	17875	1.6	19	-F	C	0246	60	1.0	
LEAR	05	0244	0247	0249	S15	W47	.781	17875	1.6	5	-N	3 C		76		
GRP98183	05	0253>9	0257+6	0313	N19	E25	.459	17887	7.0	20	-F			60	.7	FJ
CULG	05	0253	0257	0317	N19	E24	.446	17887	6.9	24	-N	C	0257	60	.7	JT
LEAR	05	0303	0303	0308	N19	E26	.472	17887	7.1	5	-F	3 C		60		F
184 CULG	05	0317	0339	0401	N09	W29	.482	17876	3.0	44	-F	C	0339	50	.6	
185 YUNN	05	0400	0404	0405D	N20	E24	.452	17887	7.0	5D	-N	C		48	.6	E
GRP98186	05	0547+3	0552+4	0617	S11	E01	.302	17885	5.3	30	-N					EJ
CULG	05	0547	0552	0611	S11	E02	.303	17885	5.4	24	-N	C	0552	60	.6	E
ABST	05	0550	0556	0623	S11	E01	.302	17885	5.3	33	-N	C	0556	175	1.9	EJ
187 ABST	05	0725E	0730	0745	N14	W24	.419	17876	3.5	20D	-F	P	0730	87	1.0	DJ
GRP98188	05	0750+4	0753+1	0813	N11	E10	.188	17877	6.1	23	-F					F
ABST	05	0750	0753	0756D	N12	E11	.211	17877	6.2	6D	1F	P	0753	349	3.7	F
KANZ	05	0754	0754	0813	N11	E10	.188	17877	6.1	19	-F	2				
GRP98189	05	0920+0	0920+5	0947	S15	W51	.819	17875	1.6	27	-N			60	1.0	
WEND	05	0851	0914	0953	S14	W60	.891	17875	30.9	62	-N	C	0914	44	.9	
CATA	05	0920	0920	0930	S15	W51	.819	17875	1.6	10	-	2 C	0920	56	1.0	
LEAR	05	0920	0925	0947	S17	W49	.807	17875	1.7	27	-F	3 C		69		

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GRP98190	05	0944	0955	1010	N06	W59	.854	17866	1.0	26	-F						
WEND	05	0944	0955	1010	N08	W53	.794	17866	1.4	26	-F		C	0955	25	.4	
KANZ	05	0957E	0957	1009D	N04	W65	.904	17866	30.5	12D	-F	1					
191 CATA	05	1015E	1015	1025	N06	W64	.896	17866	30.6	10D	-	2	P	1015	56	1.3	
192 KANZ	05	1021E	1021	1025D	N19	E21	.406	17887	7.0	4D	-N	1					E
193 RAMY	05	1319	1319	1333	N20	E20	.401	17887	7.1	14	-F	3	C		35		
194 RAMY	05	1419	1421	1427	N12	W28	.472	17876	3.5	8	-N	3	C		61		
195 RAMY	05	1556	1634	1641	S15	W55	.854	17875	1.5	45	-N	3	C		36		
196 PALE	05	1828	1840	1844	S15	W57	.870	17875	1.5	16	-F	3	C		27		UF
197 PALE	05	1926	1929	1934	N13	W46	.716	17868	2.4	8	-F	3	C		17		
198 CULG	05	2136	2146	2157	N09	W30	.497	17876	3.6	21	-F		C	2146	60	.7	
199 CULG	05	2255	2303	2318	N06	E17	.291	17889	7.2	23	-F		C	2303	50	.5	E
GRP98200	05	2310	0049 2458	0210	S09	E30	.555	17890	8.2	180	-N						JK
YUNN	06	0046E	0049	0107	S09	E30	.554	17890	8.3	21D	-N		P		96	1.2	T
YUNN	06	0129D	0136	0137D	S09	E30	.554	17890	8.3	8D	-N		P		48	.6	ET
CULG	05	2310	2458	0210	S09	E31	.568	17890	8.3	180	1N		C	2458	210	2.5	KFJ
GRP98201	06	0038+3	0042+1 0049	0051	N10	W33	.542	17876	3.6	13	-N				45	.5	EJ
CULG	06	0038	0042	0055	N10	W33	.542	17876	3.6	17	-N		C	0042	40	.5	
VORO	06	0041	0043	0051	N10	W33	.542	17876	3.6	10	-N		C	0043	45	.5	EJ
YUNN	06	0046E	0049	0051	N11	W33	.543	17876	3.6	5D	-N		P		80	1.0	ET
GRP98202	06	0047	0103+4	0142	S15	W62	.907	17875	1.4	55	-F				40	.9	
CULG	06	0047	0103	0142	S15	W62	.907	17875	1.4	55	-F		C	0103	30	.7	
YUNN	06	0103E	0107	0107D	S15	W62	.907	17875	1.4	4D	-N		P		48	1.1	
203 CULG	06	0256	0304	0316	S11	W07	.322	17885	5.6	20	-F		C	0304	70	.8	
GRP98204	06	0258	0314 0612	0632	S09	E29	.541	17890	8.3	214	-N						EJK
CULG	06	0258	0314	0630	S10	E30	.561	17890	8.4	212	-N		C	0314	100	1.2	JTK
YUNN	06	0609E	0612	0634	S09	E28	.529	17890	8.4	25D	-N		P		64	.8	ET
205 CULG	06	0332	0336	0345	N07	W14	.240	17882	5.1	13	-N		C	0336	30	.3	G
206 CULG	06	0337	0346	0450	N09	W36	.584	17876	3.5	73	-N		C	0346	80	1.0	EK
207 CULG	06	0509	0515	0522	N09	W41	.652	17876	3.1	13	-F		C	0515	50	.7	
GRP98208	06	0546+3	0547 0602+1	0633	N11	W34	.558	17876	3.7	47	1B				220	2.7	K
LEAR	06	0546	0602	0642	N11	W33	.543	17876	3.8	56	1B	3	C		270		FEK
LEAR	06	0546	0547	0642	N11	W33	.543	17876	3.8	56	-F	3	C		65		K
CULG	06	0549	0603	0633	N10	W34	.557	17876	3.7	44	1B		C	0603	180	2.2	
YUNN	06	0609E		0615	N11	W34	.558	17876	3.7	6D	1N		P	0610	193	2.4	T
GRP98209	06	0651+1	0700	0706	N11	W38	.613	17876	3.4	15	-N						E
YUNN	06	0651D	0700	0707	N11	W38	.613	17876	3.4	16D	-N				32	.4	ET
ISTA	06	0652		0701	N11	W41	.653	17876	3.2	9	-F						E
ISTA	06	0658		0705	N11	W34	.558	17876	3.7	7	-N						D

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type		Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98210	06	0655>9	0727+4 0755	0801	S10	E27	.523	17890	8.3	66	-N						EK
ISTA	06	0643		0737	S12	E23	.491	17890	8.0	54	-N	*					E
YUNN	06	0655	0700	0702	S09	E27	.516	17890	8.3	7	-N	*	C		32	.4	ET
HTPR	06	0710	0727	0808	S11	E27	.531	17890	8.3	58	-N	*	C	0727	80	.9	E
LEAR	06	0718	0731	0747D	S11	E27	.531	17890	8.3	29D	1B	*	C		250		FE
YUNN	06	0725E	0727	0727D	S10	E27	.523	17890	8.3	2D	-N	*	P		161	1.9	T
YUNN	06	0725E	0731	0731D	S09	E27	.516	17890	8.3	6D	-N	*	P		129	1.6	ET
YUNN	06	0725E	0737	0803	S09	E28	.529	17890	8.4	38D	-N	*	P		32	.4	DKT
YUNN	06	0747	0755	0807	S09	E27	.516	17890	8.3	20	-N	*	C		48	.6	ET
KANZ	06	0757E	0757	0833	S10	E28	.536	17890	8.4	36D	-N	*					
211 LEAR	06	0712	0719	0740	S11	W11	.352	17885	5.5	28	-F	3	C		29		F
GRP98212	06	0855+5	0859+4	0916	N11	W35	.572	17876	3.7	21	-N				70	.9	E
YUNN	06	0855D	0859	0919	N11	W36	.586	17876	3.7	24D	-N		P		64	.8	ET
HTPR	06	0857	0900	0912	N12	W37	.600	17876	3.6	15	-F		C	0900	40	.5	
CATA	06	0900	0900	0920	N12	W34	.559	17876	3.8	20	-	2	C	0900	84	1.0	
ATHN	06	0900E	0903	0906	N11	W35	.572	17876	3.8	6D	-B	3	V	0903	127	1.7	
213 YUNN	06	0900	0906	0916D	S10	E26	.510	17890	8.3	16D	-N		P		96	1.2	
GRP98214	06	0940+0	0940	1003	N12	W35	.573	17876	3.8	23	-F				60	.7	
HTPR	06	0940		0954D	N12	W37	.600	17876	3.6	14D	-F		C	0944	40	.5	
CATA	06	0940	0940	1000	N12	W35	.573	17876	3.8	20	-	2	C	0940	84	1.1	
UPIC	06	0950E		1005	N12	W35	.573	17876	3.8	15D	-F		P	0950	41	.5	
215 HTPR	06	1050	1052	1057	N14	E12	.242	17887	7.4	7	-F		C	1052	30	.3	E
GRP98216	06	1059+2	1102+0	1125	N12	W35	.573	17876	3.8	26	-N				50	.6	EK
MONT	06	1059	1102	1110D	N11	W34	.558	17876	3.9	11D	-F		C	1102	50		
HTPR	06	1101	1102	1114	N12	W38	.614	17876	3.6	13	-B		C	1102	50	.6	E
UPIC	06	1105E	1105U	1135	N12	W35	.573	17876	3.8	30D	-N		P	1105	61	.8	K
217 HTPR	06	1111	1118	1200	S11	E25	.506	17890	8.3	49	-F		C	1118	80	.9	E
GRP98218	06	1237>9	1241 1247+3	1313	N12	W40	.640	17876	3.5	36	-F				30	.4	
HTPR	06	1237	1241	1253	N14	W38	.617	17876	3.7	16	-F		C	1241	20	.2	
HTPR	06	1237	1247	1301	N11	W41	.653	17876	3.5	24	-F		C	1247	20	.3	
RAMY	06	1250	1250	1324	N12	W40	.640	17876	3.5	34	-F	3	C		36		
GRP98219	06	1329+2	1335+0	1405	N12	W39	.627	17876	3.6	36	-N				80	1.0	E
RAMY	06	1329	1335	1405	N13	W40	.642	17876	3.6	36	-N	3	C		110		
UPIC	06	1330	1335	1340D	N11	W38	.613	17876	3.7	10D	-N		P	1335	61	.8	
HTPR	06	1331		1354D	N12	W39	.627	17876	3.6	23D	-N		C	1334	60	.8	E
	06	1413	1504	NO FLARE PATROL													
220 PALE	06	1818	1818	1825	N12	W40	.640	17876	3.8	7	-F	3	C		21		
221 CULG	06	2226	2229	2245	S10	E20	.436	17890	8.4	19	-N		C	2229	80	.9	
222 CULG	06	2234	2234	2236	N11	W44	.691	17876	3.6	2	-F		C	2234	30	.4	V
223 CULG	06	2256	2316	2321	S09	W24	.477	17884	5.2	25	-F		C	2316	20	.2	
224 CULG	06	2314	2319	2339	S10	E18	.412	17890	8.3	25	-N		C	2319	50	.5	
225 CULG	06	2350	2352	2356	N11	W43	.678	17876	3.8	6	-F		C	2352	70	.9	
226 CULG	07	0029	0032	0040	N06	E00	.007	17877	7.0	11	-F		C	0032	70	.7	
227 LEAR	07	0102	0104	0111	N12	W45	.704	17876	3.7	9	-F	3	C		22		
228 YUNN	07	0124	0126	0134	N11	W45	.703	17876	3.7	10	-N		C		16	.2	
229 VORO	07	0142	0143	0152	S15	W80	.990	17875	1.1	10	-N		C	0143	54		E
230 CULG	07	0145	0148	0149	N12	W48	.739	17876	3.5	4	-F		C	0148	40	.6	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
231 YUNN	07	0156	0208	0246D	N14	E90	1.000	17898	13.8	50D	-F		P				A
GRP98232	07	0302+8	0316+0	0330	S09	E16	.377	17890	8.3	28	-F				50	.5	E
YUNN	07	0302E	0316	0326	S09	E16	.377	17890	8.3	24D	-N		P		48	.5	E
LEAR	07	0310	0316	0334	S10	E16	.389	17890	8.3	24	-F	3	C		46		
233 YUNN	07	0317	0320	0323	S16	W85	.999	17875	30.8	6	-N		C		64		D
234 LEAR	07	0347	0348	0354	S10	E16	.389	17890	8.4	7	-F	3	C		23		
235 CULG	07	0421	0421	0424	S11	E13	.370	17890	8.2	3	-N		C	0421	50	.5	F
GRP98236	07	0448+0	0449+2	0458	N10	W51	.772	17876	3.4	10	-F				40	.6	F
LEAR	07	0448	0449	0458	N11	W51	.772	17876	3.4	10	-N	3	C		45		F
CULG	07	0448	0451U	0458D	N10	W52	.783	17876	3.3	10D	-F		P	0451	30	.4	F
GRP98237	07	0600+1	0603+0 0619+3	0624	N14	W49	.752	17876	3.6	24	-N						FK
LEAR	07	0600	0619	0624	N14	W48	.740	17876	3.7	24	-F	3	C		60		K
LEAR	07	0600	0603	0624	N14	W48	.740	17876	3.7	24	-N	3	C		118		FK
CULG	07	0601	0603	0607	N13	W49	.751	17876	3.6	6	-F		C	0603	40	.6	F
ABST	07	0621E	0622	0657D	N14	W50	.763	17876	3.5	36D	1N		P	0622	262	3.2	FK
238 YUNN	07	0614E	0615	0645	S14	E90	1.000	17906	14.0	31D	-F		P				A
GRP98239	07	0625+1	0627+1	0656	S08	W29	.535	17884	5.1	31	-N						FJ
YUNN	07	0625	0628	0645	S09	W29	.541	17884	5.1	20	-N		C		48	.6	E
LEAR	07	0626	0627	0658	S08	W27	.508	17884	5.2	32	-F	3	C		99		F
ABST	07	0627E	0628	0656	S06	W30	.536	17884	5.0	29D	1N		P	0628	174	2.1	FJ
240 ABST	07	0640	0645	0654	S14	W89	1.000	17875	30.6	14	1N		C	0645	131		DG
241 ABST	07	0647	0649	0657D	S06	W90	1.000	17871	30.5	10D	?N		P	0649	87		AGJ
			IMP.1 NO : LEAR CULG TACH YUNN														
GRP98242	07	0824+3	0832 0839+5	0904	S10	E13	.357	17890	8.3	40	-N				60	.6	EK
HTPR	07	0824	0844	0903	S11	E13	.370	17890	8.3	39	-B		C	0844	80	.8	E
KANZ	07	0827		0827	S10	E14	.367	17890	8.4		-N	1					
YUNN	07	0827	0832	0905	S09	E13	.344	17890	8.3	38	-N		C		64	.7	E
YUNN	07	0827	0844	0905	S09	E13	.344	17890	8.3	38	-N		C		48	.5	K
HTPR	07	0830	0839	0855	S09	E10	.315	17890	8.1	25	-B		C	0839	10	.1	
LEAR	07	0837	0841	0910	S10	E13	.357	17890	8.3	33	-N	3	C		77		F
243 HTPR	07	0926	0927	0937	S11	E12	.360	17890	8.3	11	-N		C	0927	20	.2	
244 HTPR	07	1004	1007	1012	N10	W52	.783	17876	3.5	8	-N		C	1007	30	.5	
GRP98245	07	1024+1	1040 1050	1120	S10	E11	.338	17890	8.3	56	-N						E
HTPR	07	1024	1050	1130	S11	E11	.351	17890	8.3	66	-N		C	1050	80	.8	E
CATA	07	1025	1040	1110	S10	E12	.347	17890	8.3	45	-	1	C	1040	112	1.2	
GRP98246	07	1235+5	1236+4	1246	S16	W88	1.000	17875	30.9	11	1N				90		
HTPR	07	1235	1236	1246	S16	W87	1.000	17875	1.0	11	-N		C	1236	70		
CATA	07	1240	1240	1245D	S16	W90	1.000	17875	30.8	5D	1	2	P	1240	112		
GRP98247	07	1318	1332+3	1400	S11	E12	.360	17890	8.5	42	-B				140	1.5	EK
HTPR	07	1318	1332	1409	S11	E13	.370	17890	8.5	51	-B		C	1332	150	1.5	EK
ATHN	07	1332E	1335	1350	S11	E11	.351	17890	8.4	18D	-B	2	V	1335	127	1.4	
	07	1535	1540	NO FLARE PATROL													
248 HTPR	07	1543E		1552	S11	E11	.351	17890	8.5	9D	-F		C	1543	40	.4	E
249 HTPR	07	1633		1635D	N13	W55	.814	17876	3.6	2D	-F		C	1635	60	1.1	E
250 HOLL	07	1642	1642	2025	N08	W48	.739	17876	4.1	223	?N	3	C		227		
			IMP.1 NO : BIGB														

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98251	07	1731+5	1739	1846	S10	E07	.306	17890	8.3	75	-B				90	.9	K
			1811+6														
RAMY	07	1731	1811	1846	S10	E07	.306	17890	8.3	75	-B	3	C		91		FE
HOLL	07	1736	1817	2025	S10	E06	.300	17890	8.2	169	1B	3	C		303		FEK
HOLL	07	1736	1739	2025	S10	E06	.300	17890	8.2	169	1B	3	C		327		K
PALE	07	1753E	1756	1800	S10	E08	.313	17890	8.3	7D	-F	3	C		23		E
PALE	07	1802	1812	1833	S10	E06	.300	17890	8.2	31	-N	3	C		68		FE
252 HOLL	07	1736	1738	1802	N21	W07	.277	17887	7.2	26	-F	3	C		98		
253 HOLL	07	1941	1942	1959	S06	W15	.333	17878	6.7	18	-F	3	C		27		
GRP98254	07	2032	2033	2048	S16	W64	.922	17881	3.1	16	?N						
HOLL	07	2032	2033	2048	S15	W64	.920	17881	3.1	16	?N	3	C		312		
			IMP.2	IMP.S													
PALE	07	2037E	2037U	2048	S17	W65	.929	17881	3.0	11D	-F	3	C		38		
GRP98255	07	2112	2126	2252	S10	E05	.295	17890	8.3	100	-N						FI
			2224+4														
CULG	07	2112	2126	2137	S09	E05	.279	17890	8.3	25	-B		C	2126	80	.8	
HOLL	07	2114E	2228U	2301	S10	E06	.300	17890	8.3	107D	-B	3	C		113		
CULG	07	2154	2224	2259	S11	E06	.316	17890	8.4	65	-N		C	2224	180	1.9	FTI
PALE	07	2224	2226	2239	S10	E03	.287	17890	8.2	15	-F	3	C		41		E
LEAR	07	2236E	2239U	2244	S09	E05	.279	17890	8.3	8D	-F	3	C		43		F
256 CULG	07	2202	2203	2211	N09	W62	.878	17876	3.3	9	-N		C	2203	50	1.0	
GRP98257	07	2259	2311	2336	S17	E83	.997	17906	14.2	37	1N						
CULG	07	2259	2311	2333	S16	E78	.986	17906	13.8	34	1F		C	2311	180		
HOLL	07	2315E	2315U	2338D	S19	E88	1.000	17906	14.6	23D	1B	3	C				
GRP98258	07	2317+3	2321+3	2342	S10	E03	.287	17890	8.2	25	-B				150	1.6	FI
CULG	07	2317	2321	2339	S10	E03	.287	17890	8.2	22	1B		C	2321	330	3.3	IF
HOLL	07	2319	2324	2338D	S10	E03	.287	17890	8.2	19D	-B	3	C		137		
LEAR	07	2320	2324	2345	S11	E03	.303	17890	8.2	25	-B	3	C		147		FE
GRP98259	07	2328+2	2332+0	2344	S08	W13	.332	17878	7.0	16	-F				100	1.1	F
CULG	07	2328	2332	2341	S09	W13	.344	17878	7.0	13	-F		C	2332	120	1.3	
LEAR	07	2330	2332	2346	S08	W13	.332	17878	7.0	16	-F	3	C		88		F
GRP98260	07	2346+2	2352+0	0001	S11	E08	.328	17890	8.6	15	-N				70	.7	F
CULG	07	2346	2352	0000	S11	E08	.328	17890	8.6	14	-N		C	2352	80	.9	F
LEAR	07	2348	2352	0001	S11	E08	.328	17890	8.6	13	-N	3	C		58		F
261 CULG	08	0010	0010	0011	N14	W63	.886	17876	3.3	1	-F		C	0010	30	.6	V
262 LEAR	08	0036	0037	0059	S06	W16	.345	17878	6.8	23	-F	3	C		72		F
263 CULG	08	0037	0054	0059D	N07	W16	.274	17877	6.8	22D	-F		P	0054	160	1.6	
264 CULG	08	0039	0041	0054	S17	E49	.807	17905	11.7	15	-F		C	0041	120	1.9	
GRP98265	08	0139>9	0144	0207	S18	E77	.984	17906	13.8	28	?N						
			0155														
CULG	08	0139	0144	0213	S17	E76	.980	17906	13.8	34	?N		C	0144	260		
			IMP.2	IMP.S													
LEAR	08	0154	0155	0200	S19	E78	.987	17906	13.9	6	-F	3	C				
GRP98266	08	0140+3	0144+1	0150	S10	E01	.282	17890	8.1	10	-N				50	.5	
CULG	08	0140	0144	0150	S10	E01	.282	17890	8.1	10	-N		C	0144	70	.7	
LEAR	08	0143	0145	0149	S10	E02	.284	17890	8.2	6	-B	3	C		33		
267 LEAR	08	0145	0146	0149	N08	W14	.242	17877	7.0	4	-F	3	C		37		
268 LEAR	08	0158	0210	0217	S10	E03	.286	17890	8.3	19	-F	3	C		60		F
269 CULG	08	0215	0220	0227	N08	W65	.902	17876	3.2	12	-F		C	0220	40	.9	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98270	08	0224+6	0234+1	0254	S11	E05	.310	17890	8.5	30	-B				110	1.1	F
CULG	08	0224	0234	0251	S10	E05	.294	17890	8.5	27	-B		C	0234	170	1.7	F
LEAR	08	0230	0235	0256	S11	E05	.310	17890	8.5	26	-B	3	C		106		FE
MANI	08	0237E	0237U	0240D	S11	E04	.306	17890	8.4	3D	-F	1	V		30	.3	F
271 CULG	08	0227	0228	0233	S19	E78	.987	17901	14.0	6	-F		C	0228	50		
272 LEAR	08	0242	0242	0249	N12	W61	.869	17876	3.5	7	-F	3	C		27		
GRP98273	08	0256+7	0306+1	0311	N12	W61	.869	17876	3.5	15	-F				50	1.0	
LEAR	08	0256	0306	0311	N13	W61	.869	17876	3.5	15	-F	3	C		38		
CULG	08	0303	0307	0310	N11	W62	.878	17876	3.5	7	-F		C	0307	60	1.2	
GRP98274	08	0307+3	0310+1	0326	S09	W15	.365	17878	7.0	19	-F				70	.7	F
CULG	08	0307	0310	0327	S09	W15	.365	17878	7.0	20	-N		C	0310	80	.9	F
LEAR	08	0310	0311	0324	S09	W15	.365	17878	7.0	14	-F	3	C		73		F
275 LEAR	08	0329	0330	0336	S10	E03	.286	17890	8.4	7	-F	3	C		24		
GRP98276	08	0630>9	0633 0701+1	0710	S10	00	.282	17890	8.3	40	-N				110	1.1	
HTPR	08	0630	0633	0707	S10	W01	.282	17890	8.2	37	-F	*	C	0633	50	.5	
LEAR	08	0654	0702	0709	S10	E02	.284	17890	8.4	15	-F	*	C		81		F
HTPR	08	0655	0701	0711	S11	W01	.299	17890	8.2	16	-B	*	C	0701	150	1.5	E
GRP98277	08	0632+6	0641+0	0647	S20	E76	.982	17906	14.0	15	-N						E
HTPR	08	0632	0641	0648	S20	E78	.988	17906	14.1	16	-B		C	0641	50		E
LEAR	08	0638	0641	0645	S21	E74	.976	17906	13.8	7	-F	3	C				
GRP98278	08	0636+1	0637+0	0641	N13	W61	.869	17876	3.7	5	-F				40	.8	FI
CULG	08	0636	0637	0641	N12	W62	.878	17876	3.6	5	-F		C	0637	50	1.0	IF
HTPR	08	0637	0637	0640	N14	W60	.861	17876	3.8	3	-F		C	0637	30	.6	
GRP98279	08	0644+1	0645+0	0652	N11	W65	.901	17876	3.4	8	-N				30	.7	
HTPR	08	0644	0645	0651	N11	W68	.922	17876	3.2	7	-B		C	0645	30	.7	
LEAR	08	0645	0645	0653	N12	W63	.886	17876	3.6	8	-N	3	C		27		
GRP98280	08	0648+4	0651+6	0710	S09	W19	.413	17878	6.9	22	-F						
HTPR	08	0648	0651	0717	S08	W20	.416	17878	6.8	29	-F		C	0651	100	1.0	E
LEAR	08	0652	0657	0703	S10	W18	.411	17878	6.9	11	-F	3	C		23		F
281 ABST	08	0718E	0724	0732D	S20	E80	.992	17906	14.3	14D	?N		P	0724	175		E
			IMP.1 NO : CULG TACH LEAR HTPR														
GRP98282	08	0718+5	0727+4 0748	0751	S09	W01	.265	17890	8.2	33	-N						E
ABST	08	0718E	0727	0732D	S09	E02	.267	17890	8.5	14D	-N		P	0727	175	1.7	E
HTPR	08	0723	0731	0745	S11	W01	.299	17890	8.2	22	-N		C	0731	70	.7	E
LEAR	08	0741	0748	0756	S09	W01	.265	17890	8.2	15	-F	3	C		48		
283 ABST	08	0743E	0743	0745D	N15	E64	.893	17898	13.1	2D	-N		P	0743	87		D
GRP98284	08	0820>9	0845 0852	1040	S18	W58	.884	17873	4.0	140	1N						FIK
CATA	08	0820	0845	0915D	S15	W61	.900	17873	3.8	55D	2	2	P	0845	225	5.3	
HTPR	08	0830	0900	1040	S18	W60	.899	17873	3.9	130	1N		C	0900	180	3.6	EIK
CATA	08	0835	0845	0915D	S21	W54	.863	17873	4.3	40D	-	2	P	0845	84	1.7	
LEAR	08	0836	0852	0950D	S20	W54	.860	17873	4.3	74D	-F	3	C		65		F
UPIC	08	0917E		0946D	S16	W58	.880	17873	4.0	29D	1N		P	0917	184	4.0	F
285 LEAR	08	0832	0929	0950D	S15	W67	.938	17869	3.3	78D	-F	3	C		42		F
286 HTPR	08	0935	0937	0945	S10	W02	.284	17890	8.2	10	-N		C	0937	30	.3	
GRP98287	08	1034+7	1041+3	1047	N15	W61	.869	17876	3.9	13	-N				60	1.3	
HTPR	08	1034	1041	1047	N15	W60	.861	17876	3.9	13	-B		C	1041	80	1.6	
KANZ	08	1037	1044	1047	N15	W61	.869	17876	3.9	10	-N	2					
MONT	08	1041	1043	1047	N15	W61	.869	17876	3.9	6	-F		C	1043	50		
288 HTPR	08	1122	1124	1128	N14	W67	.915	17876	3.4	6	-F		C	1124	40	.9	

H - ALPHA S O L A R F L A R E S

OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
GRP98289	08	1131+5	1139+3	1201	S10	W02	.284	17890	8.3	30	-F				90	.9	E
HTPR	08	1131	1139	1210	S10	W03	.286	17890	8.3	39	-N		C	1139	80	.8	E
LVOV	08	1136	1142	1152	S10	W02	.284	17890	8.3	16	-F		C	1142	100	1.1	E
GRP98290	08	1140+0	1142+1	1151	N12	W63	.886	17876	3.8	11	1N				110	2.4	E
HTPR	08	1140	1142	1148	N13	W66	.908	17876	3.5	8	-B		C	1142	70	1.5	E
LVOV	08	1140	1143	1153	N11	W61	.869	17876	3.9	13	1F		C	1143	150	3.7	E
291 HTPR	08	1244	1248	1256	S10	W03	.286	17890	8.3	12	-F		C	1248	80	.8	
292 HTPR	08	1301	1305	1319	S10	W03	.286	17890	8.3	18	-B		C	1305	60	.6	
293 HTPR	08	1401	1403	1409	S18	E58	.884	17905	12.9	8	-N		C	1403	30	.6	
294 HTPR	08	1415	1417	1430	S22	E73	.974	17906	14.1	15	-B		C	1417	20		
295 BOUL	08	1440E	1452U	1502	N13	W69	.928	17876	3.4	22D	?N	3	C		140		
			IMP.1 NO : HTPR RAMY														
296 HTPR	08	1445	1450	1525	S20	E70	.960	17901	13.9	40	-N		C	1450	80	1.9	E
297 HTPR	08	1502	1506	1516	S10	W08	.312	17890	8.0	14	-F		C	1506	30	.3	
GRP98298	08	1604+0	1605	1617D	S10	W04	.290	17890	8.4	13	-B				180	1.9	E
RAMY	08	1604	1605	1607D	S11	W03	.302	17890	8.4	3D	-B	3	C		177		
HTPR	08	1604		1617D	S10	W06	.299	17890	8.2	13D	-B		C	1608	180	1.8	E
299 CULG	08	2256	2306	2318	N22	E68	.922	17898	14.1	22	-F		C	2306	70		
300 VORO	08	2321E	2324	2332	N13	W74	.956	17876	3.4	11D	-N		C	2324	54		EJ
301 LEAR	08	2348	2352	0001	S11	E08	.327		9.6	13	-N	3	C		58		F
302 CULG	09	0124	0132	0138	N11	W74	.957	17876	3.5	14	?F		C	0132	80		KF
			IMP.1 NO : PURP LEAR PALE														
GRP98303	09	0301+0	0305+6	0323	S20	E64	.928	17906	13.9	22	-F				70		
LEAR	09	0301	0305	0323	S20	E64	.928	17906	13.9	22	-F	3	C		46		
CULG	09	0301	0306	0325	S18	E64	.925	17906	13.9	24	-F		C	0306	70	1.9	
PURP	09	0310E	0311	0323	S20	E64	.928	17906	13.9	13D	1N		C	0311	138		
304 LEAR	09	0431	0432	0440	N13	W73	.951	17876	3.7	9	-F	3	C				
305 CULG	09	0504	0519	0541	N19	W32	.554	17887	6.8	37	-F		C	0519	120	1.4	F
GRP98306	09	0510+2	0513+1	0528	S10	W10	.327	17890	8.5	18	-F				30	.3	F
CULG	09	0510	0513	0523	S11	W09	.333	17890	8.5	13	-N		C	0513	20	.2	
LEAR	09	0512	0514	0532	S10	W12	.345	17890	8.3	20	-F	3	C		35		F
GRP98307	09	0639+7	0703+7	0732	S18	E63	.919	17906	14.0	53	1N				150	3.6	FJK
ABST	09	0639	0705	0802D	S20	E66	.940	17906	14.2	83D	1N		P	0705	201		FJK
LEAR	09	0646	0703	0724	S18	E62	.912	17906	13.9	38	1N	3	C		110		F
CATA	09	0705E	0710	0735	S18	E62	.912	17906	13.9	30D	1	2	P	0710	197		T
ATHN	09	0706E	0708	0729	S19	E65	.932	17906	14.2	23D	1B	1	V	0708	111	2.2	
GRP98308	09	0710+1	0712+1	0726	S04	W54	.818	17884	5.2	16	-N				30	.5	FJ
CULG	09	0710	0713	0726	S06	W55	.831	17884	5.2	16	-N		C	0713	20	.3	
ABST	09	0710	0712	0735	S04	W54	.818	17884	5.2	25	1N		C	0712	157	2.8	FJ
LEAR	09	0711	0712	0726	S04	W54	.818	17884	5.2	15	-F	3	C		27		
GRP98309	09	0719+1	0720+1	0729D	N11	W75	.962	17876	3.7	10	-N						FJ
ABST	09	0719	0720	0802	N10	W76	.967	17876	3.6	43	1N		P	0720	175		FJ
LEAR	09	0720	0721	0729	N13	W75	.961	17876	3.7	9	-F	3	C				
310 UPIC	09	0820	0825U	0830	S21	E62	.918	17901	14.0	10	-F		P	0825	61	1.5	
GRP98311	09	0905>9	0915+0	0945	S19	E61	.908	17906	14.0	40	?N						K
UPIC	09	0905	0915	0940	S21	E62	.918	17906	14.0	35	?N		P	0915	82	2.1	K
			IMP.S IMP.2														
CATA	09	0915	0915	0950	S18	E61	.905	17906	14.0	35	2	2	C	0915	253	6.1	T

H - ALPHA SOLAR FLARES

OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Apparent (Disk)	Corrected (Sq Deg)	Remarks
GRP98312	09	1005	1029+1	1050	S19	E60	.901	17906	13.9	45	1N				110	2.4	
UPIC	09	1005	1030	1050	S21	E62	.918	17906	14.1	45	1N		P	1030	122	3.1	
HTPR	09	1017E		1025D	S20	E59	.896	17906	13.9	8D	-F		C	1020	50	1.0	
WEND	09	1027	1029	1040	S19	E60	.901	17906	13.9	13	-F		C	1029	50	1.1	
CATA	09	1030	1030	1050	S19	E60	.901	17906	13.9	20	1	2	C	1030	112	2.7	T
GRP98313	09	1104>9	1120 1152+3	1221	S20	E60	.903	17906	14.0	77	1N				160	3.5	
RAMY	09	1104	1152	1232	S18	E60	.899	17906	14.0	88	1N	4	C		216		
UPIC	09	1115	1120U	1130U	S21	E62	.918	17906	14.1	15D	-N		P	1120	61	1.5	
CATA	09	1140	1155	1210	S20	E59	.896	17906	13.9	30	1	2	C	1155	112	2.6	T
GRP98314	09	1300+3	1305+4	1331	S19	E60	.901	17906	14.0	31	1N				130	2.8	E
RAMY	09	1236	1306	1359	S18	E59	.891	17906	13.9	83	1B	4	C		231		FE
UPIC	09	1300	1305	1325U	S21	E62	.918	17906	14.2	25D	-N		P	1305	61	1.5	
LVOV	09	1303	1306	1328	S20	E60	.951	17906	14.0	25	1F		C	1306	150	3.7	E
WEND	09	1303	1307	1324	S19	E58	.887	17906	13.9	21	1N		C	1307	113	2.3	
ATHN	09	1308E	1309	1339	S19	E65	.932	17906	14.4	31D	1B	1	V	1309	127	2.6	
GRP98315	09	1511+1	1512+8	1528	S15	E39	.696	17905	12.6	17	-F						K
KANZ	09	1511	1515	1527	S15	E39	.696	17905	12.6	16	-F	2					
HOLL	09	1512	1520	1529	S16	E39	.702	17905	12.6	17	-F	3	C		23		K
HOLL	09	1512	1512	1529	S16	E39	.702	17905	12.6	17	-F	3	C		18		K
316 HOLL	09	1517	1520	1605	N08	W66	.910	17882	4.7	48	-F	3	C		18		
317 KANZ	09	1527E		1527D	N04	W38	.614	17877	6.8		-F	2					G
318 HOLL	09	1528	1532	1606	S20	E59	.896	17906	14.1	38	-N	3	C		84		
319 HOLL	09	1628	1637	1709	S21	E60	.905	17906	14.2	41	-N	3	C		26		
320 HOLL	09	1653	1657	1706	N11	W82	.988	17876	3.6	13	-F	3	C				
321 HOLL	09	1712	1715	1727	S21	E59	.899	17906	14.1	15	-F	3	C		16		
GRP98322	09	1745+6	1746+5 1832	1926	S19	E55	.864	17906	13.9	101	-N				20	.4	FK
HOLL	09	1745	1746	2132	S20	E55	.867	17906	13.9	227	-F	3	C		12		K
HOLL	09	1745	2118	2132	S20	E55	.867	17906	13.9	227	-B	3	C		97		FK
RAMY	09	1751	1832	1906	S13	E55	.847	17906	13.9	75	-N	3	C		64		K
RAMY	09	1751	1751	1906	S13	E55	.847	17906	13.9	75	-F	3	C		26		K
PALE	09	1913	1915	1926D	S19	E55	.864	17906	13.9	13D	-F	3	C		28		
323 HOLL	09	1745	1746	1805	S11	W17	.410	17890	8.5	20	-N	3	C		72		
324 HOLL	09	1812	1814	1821	N16	W79	.977	17876	3.8	9	-F	3	C				
325 HOLL	09	1904	1917	1930	S10	W20	.434	17890	8.3	26	-F	3	C		25		
326 HOLL	09	1951	1956	2001	N13	W78	.974	17876	4.0	10	-F	3	C				
GRP98327	09	2117+1	2118+2	2132	S15	E62	.906	17906	14.5	15	-F				60	1.4	F
PALE	09	2117	2118	2132	S16	E63	.915	17906	14.6	15	-F	3	C		51		
CULG	09	2118	2120	2132	S14	E62	.905	17906	14.5	14	-N		C	2120	70	1.6	F
GRP98328	09	2133	2158 2252+4	2358	S18	E54	.853	17906	13.9	145	-N						JK
HOLL	09	2133	2158	2355D	S20	E54	.859	17906	13.9	142D	-N	3	C		29		
PALE	09	2216E	2252U	2323	S19	E54	.856	17906	14.0	67D	-F	3	C		14		
CULG	09	2222E	2256	0004	S18	E54	.853	17906	14.0	102D	-N		P	2256	70	1.3	KJ
CULG	09	2341	2347	0000	S14	E46	.765	17906	13.4	19	-F		C	2347	40	.6	
329 CULG	09	2234	2238	2330	S14	E32	.611	17905	12.3	56	-N		C	2238	50	.7	J
330 CULG	09	2331	2352	0016	N20	E07	.264	17918	10.5	45	-F		C	2352	30	.3	G

H - ALPHA S O L A R F L A R E S

OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
GRP98331	10	0117+6	0124+3	0136	S19	E51	.831	17901	13.9	19	-F			60	1.0	EJ
VORO	10	0021	0126	0132D	S20	E52	.843	17901	13.9	71D	-N	C	0126	63	1.1	EJ
CULG	10	0117	0124	0140	S19	E49	.814	17901	13.7	23	-N	C	0124	80	1.4	J
LEAR	10	0122	0124	0146	S21	E51	.838	17901	13.9	24	-F	3 C		54		
PALE	10	0123	0127	0131	S19	E51	.831	17901	13.9	8	-F	3 C		59		
332 LEAR	10	0221	0221	0227	S10	W22	.458	17890	8.4	6	-F	3 C		20		
GRP98333	10	0229	0235+1	0244	S19	W45	.777	17907	6.7	15	-F			50	.8	D
CULG	10	0229	0236	0245	S20	W45	.782	17907	6.7	16	-N	C	0236	40	.6	
PEKG	10	0234E	0235	0242	S19	W45	.777	17907	6.7	8D	-F	P	0235	55	.9	D
334 PEKG	10	0418	0419	0435	S16	E30	.603	17905	12.4	17	-N	C	0419	34	.4	E
335 ABST	10	0526	0550	0559D	S19	E63	.920	17906	15.0	33D	?F	P	0550	175		E
			IMP.1 NO : CULG LEAR PEKG													
GRP98336	10	0526+4	0534+1 0551+1	0603	S21	E48	.813	17901	13.8	37	-B			120	2.0	FJKZ
ABST	10	0516E	0551	0559D	S22	E50	.834	17901	14.0	43D	1B	* P	0551	262	4.7	FK
CULG	10	0526	0552	0610	S19	E48	.805	17901	13.8	44	1B	* C	0552	120	2.0	JT
LEAR	10	0528	0552	0606	S21	E48	.813	17901	13.8	38	-B	* C		121		ZFK
LEAR	10	0528	0534	0606	S21	E48	.813	17901	13.8	38	-B	* C		79		K
PEKG	10	0530	0535	0546	S21	E48	.813	17901	13.8	16	-B	* C	0535	97	1.7	E
PEKG	10	0550	0552	0557	S21	E48	.813	17901	13.8	7	-N	* C	0552	84	1.5	E
GRP98337	10	0556+3	0600+3	0612	S17	E32	.633	17905	12.6	16	-B					DH
ABST	10	0516E	0516	0559D	S15	E31	.607	17905	12.5	43D	1F	* P	0516	183	2.3	E
CULG	10	0556	0602	0611	S17	E34	.654	17905	12.8	15	-N	* C	0602	30	.4	D
PEKG	10	0559	0603	0612	S19	E33	.658	17905	12.7	13	-B	* C	0603	13	.2	DH
ATHN	10	0600E	0600	0633	S17	E32	.633	17905	12.6	33D	-B	* V	0600	80	1.0	
GRP98338	10	0648+7	0654+5 0716	0727	S21	E49	.822	17906	14.0	39	-N					EK
LEAR	10	0648	0716	0731	S21	E49	.822	17906	14.0	43	-N	3 C		71		F
MANI	10	0654E	0654U	0700D	S21	E49	.822	17906	14.0	6D	-F	1 V		30	.5	
PEKG	10	0655	0659	0724	S21	E48	.813	17906	13.9	29	-N	P	0659	55	.9	E
ISTA	10	0715E		0725	S21	E51	.838	17906	14.1	10D	-F					BE
HTPR	10	0719E		0726D	S20	E46	.791	17906	13.8	7D	1B	C	0722	250	3.5	E
ABST	10	0720E	0720	0802D	S21	E50	.830	17906	14.1	42D	2N	P	0720	349	6.3	EK
GRP98339	10	0750+0	0806+2 0820	0855	S21	E49	.822	17906	14.0	65	-N			110	1.9	
PURP	10	0740	0806	0838D	S21	E49	.822	17906	14.0	58D	1B	C	0806	131	2.4	
LEAR	10	0750	0808	0854	S21	E48	.813	17906	13.9	64	-N	3 C		102		F
BUCA	10	0750		0855	S20	E47	.800	17906	13.9	65	-F	P	0810	86	1.5	
ATHN	10	0804	0808	0929	S19	E51	.831	17906	14.2	85	1B	2 V	0808	159	2.6	
MANI	10	0808E	0808U	0813D	S20	E51	.835	17906	14.2	5D	-N	1 V		50	.9	
CATA	10	0815E	0820	0835D	S21	E48	.813	17906	13.9	20D	1	2 P	0820	169	3.0	T
PEKG	10	0820	0828	0847	S22	E49	.826	17906	14.0	27	-N	P	0828	50	.9	D
340 PEKG	10	0850E	0854U	0859D	N17	E02	.190	17918	10.5	9D	-N	P	0854	105	1.1	E
GRP98341	10	0855+1	0900	0901	S18	E32	.640	17905	12.8	6	-F					D
ISTA	10	0855		0859	S18	E32	.640	17905	12.8	4	-F					D
LEAR	10	0856	0900	0903	S19	E33	.658	17905	12.8	7	-F	3 C		40		
GRP98342	10	0907>9	0936+4 1040	1103	S20	E47	.800	17906	13.9	116	1N			210	3.4	EUZ
LEAR	10	0907	0940	0945D	S21	E48	.813	17906	14.0	38D	1N	3 C		188		U
CATA	10	0925	0940	1020D	S20	E47	.800	17906	13.9	55D	1	2 P	0940	225	3.9	TZ
ATHN	10	0929	0936	1103	S19	E51	.831	17906	14.2	94	1B	2 V	0936	223	3.7	
KHAR	10	1034E	1040	1046D	S21	E47	.804	17906	14.0	12D	-F	P	1040	110	1.9	E
343 KHAR	10	1047E		1047D	S07	W50	.784	17878	6.7		-F	P	1047	60	1.0	E
344 ATHN	10	1244	1249	1324	S19	E51	.831	17906	14.4	40	1B	2 V	1249	271	4.5	
345 HTPR	10	1401E		1419D	S20	E44	.773	17901	13.9	18D	-B	C	1406	120	1.7	E
346 HTPR	10	1432E		1458	S17	E52	.833	17906	14.5	26D	-N	C	1435	60	.9	E

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OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
347 HTPR	10	1432E		1500	S20	E44	.773	17901	13.9	28D	?N		C	1434	200	2.8	E
			IMP.1	NO : RAMY													
348 HTPR	10	1506		1521D	S20	E43	.763	17901	13.9	15D	-B		C	1521	100	1.3	
349 HTPR	10	1530E		1534D	S20	E43	.763	17901	13.9	4D	-B		C	1534	80	1.0	
350 RAMY	10	1535	1537	1544	S06	W52	.802	17878	6.7	9	-F	3	C		23		
351 HOLL	10	1620E	1659	1704	S17	E52	.833	17906	14.6	44D	-N	2	C		47		
GRP98352	10	1658>9	1702	1752	S20	E43	.763	17901	13.9	54	-N						
			1738														
HOLL	10	1658E	1702U	1747D	S20	E43	.763	17901	13.9	49D	-B	2	C		62		
PALE	10	1738	1738	1752	S20	E43	.763	17901	14.0	14	-F	3	C		24		
GRP98353	10	1855>9	1918+1	1938	S10	W32	.585	17890	8.4	43	-F				60	.7	
RAMY	10	1855	1918	1947	S10	W32	.585	17890	8.4	52	-N	*	C		65		
HOLL	10	1908	1919	1928	S10	W33	.597	17890	8.3	20	-F	*	C		45		
354 RAMY	10	1857	1858	1909	S06	W55	.831	17878	6.7	12	-N	3	C		28		
GRP98355	10	1915>9	1953	2105	S20	E44	.773	17901	14.1	110	-N						
			2018														
HOLL	10	1915	2018	2038D	S16	E47	.783	17901	14.3	83D	-N	3	C		112		F
PALE	10	1953	1953	2001	S20	E42	.754	17901	14.0	8	-F	3	C		23		
HOLL	10	2015E	2029	2105D	S20	E41	.744	17901	13.9	50D	-N	2	C		71		F
CULG	10	2052	2111	2207	S21	E48	.813	17901	14.5	75	-B		C	2111	90	1.5	E
GRP98356	10	2023>9	2102+5	2209	S10	W34	.610	17890	8.3	106	1B				180	2.2	F
HOLL	10	2023	2103	2105D	S10	W35	.622	17890	8.2	42D	-B	3	C		166		F
CULG	10	2054	2102	2155	S10	W34	.610	17890	8.3	61	1B		.C	2102	180	2.3	F
RAMY	10	2107	2107	2223D	S10	W34	.610	17890	8.3	76D	1B	3	C		204		
357 CULG	10	2110	2128	2153	S17	E52	.833	17906	14.8	43	-N		C	2128	70	1.3	
358 CULG	10	2122	2140	2340	N18	E01	.205	17918	11.0	138	-F		C	2140	20	.2	J
359 CULG	10	2300	2303	2319	S07	W58	.860	17878	6.6	19	-F		C	2303	30	.6	
GRP98360	10	2300+3	2307+2	2338D	S16	E44	.753	17906	14.3	38	-B				110	1.6	EJK
			2319														
CULG	10	2300	2307	0028	S15	E46	.769	17906	14.4	88	1N		C	2307	130	2.1	FK
VORO	10	2303	2309	2333D	S16	E44	.753	17906	14.3	30D	-B		C	2309	99	1.5	EJ
PEKG	10	2315E	2319	2338	S17	E45	.768	17906	14.3	23D	-B		P	2319	101	1.6	E
PEKG	10	2317	2319	2335D	S21	E40	.741	17906	14.0	18D	-N		P	2319	50	.8	E
GRP98361	10	2340+2	2343+1	2359	S07	W59	.869	17878	6.6	19	-F				60	1.2	E
CULG	10	2340	2344	0005	S07	W58	.860	17878	6.6	25	-F		C	2344	80	1.5	
VORO	10	2342	2343	2353	S07	W60	.877	17878	6.5	11	-F		C	2343	45	1.0	E
GRP98362	10	2349+1	2352+2	0033	S17	E50	.815	17906	14.7	44	-N				50	.8	EJ
VORO	10	2349	2353	0033	S16	E48	.793	17906	14.6	44	-N	*	C	2353	72	1.1	BEJ
LEAR	10	2349	2352	0036	S18	E50	.819	17906	14.7	47	-N	*	C		43		
PEKG	10	2350	2354	0015	S17	E50	.815	17906	14.7	25	-N	*	P	2354	42	.7	E
363 CULG	11	0048	0051	0116	S21	E44	.777	17906	14.3	28	-N		C	0051	40	.6	J
364 CULG	11	0133	0136	0142	S10	W35	.622	17890	8.4	9	-F		C	0136	30	.4	J
365 CULG	11	0230	0235	0248	S09	W37	.641	17890	8.3	18	-F		C	0235	80	1.0	J
366 CULG	11	0247	0250	0303	S21	E44	.777	17906	14.4	16	-N		C	0250	20	.3	J
367 CULG	11	0332	0336	0430	S10	W39	.670	17890	8.2	58	2B		C	0336	400	5.2	VJT
368 CULG	11	0337	0346	0408	S18	E48	.800	17906	14.8	31	-F		C	0346	60	1.0	J

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OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp		Obs Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98369	11	0349>9	0418	0630	S14	E09	.376	17905	11.8	161	-N						FIJS
			0440														
CULG	11	0349	0418	0630	S14	E10	.382	17905	11.9	161	1N		C	0418	320	3.5	FVSI
PEKG	11	0433	0440	0458	S12	E09	.346	17905	11.9	25	-B		C	0440	42	.4	D
ABST	11	0510E	0513	0650	S13	E07	.348	17905	11.7	100D	-N		P	0513	175	1.9	FJ
ABST	11	0510E	0514	0642	S15	E12	.411	17905	12.1	92D	-F		P	0514	105	1.2	DJ
GRP98370	11	0433+2	0437+3	0456	S19	E37	.698	17906	14.0	23	-N				110	1.5	EJ
CULG	11	0433	0437	0500	S19	E37	.698	17906	14.0	27	-N		C	0437	110	1.6	JT
PEKG	11	0435	0440	0452	S20	E37	.705	17906	14.0	17	-B		C	0440	113	1.6	E
GRP98371	11	0500	0507+4	0545	S18	E48	.800	17906	14.8	45	-N				110	1.8	DJ
CULG	11	0500	0507	0533	S18	E48	.800	17906	14.8	33	1N		C	0507	130	2.2	JT
ABST	11	0510E	0511	0557	S18	E48	.800	17906	14.8	47D	-N		P	0511	96	1.6	DJ
GRP98372	11	0548+2	0551+7	0615	S09	W41	.689	17890	8.2	27	-N				130	1.8	EJK
ABST	11	0515	0551	0624	S09	W41	.689	17890	8.1	69	1N		C	0551	157	2.2	EJK
CULG	11	0548	0553	0615	S10	W40	.682	17890	8.2	27	-N		C	0553	70	.9	EJT
PEKG	11	0550	0558	0603	S09	W41	.689	17890	8.2	13	-B		C	0558	126	1.8	E
GRP98373	11	0624>9	0632	0734	S17	E44	.758	17906	14.6	70	-N						EJKU
			0708+1														
YUNN	11	0624	0632	0649	S18	E40	.723	17906	14.3	25	-N		C		48	.7	E
ABST	11	0642	0708	0744	S19	E47	.795	17906	14.8	62	1N	*	C	0708	201	2.8	FJK
ABST	11	0645	0647	0702	S21	E37	.711	17906	14.1	17	1F		C	0647	183	3.0	EU
YUNN	11	0700E	0709	0721	S16	E45	.763	17906	14.7	21D	-N	*	P		32	.5	
ABST	11	0705	0730	0747	S22	E43	.773	17906	14.5	42	1N	*	C	0730	210	3.3	FJK
CATA	11	0715	0715	0750	S17	E47	.787	17906	14.8	35	-	*	C	0715	112	1.9	
374 CATA	11	0625	0630	0630D	N10	E90	1.000	17921	18.0	5D	?	2	P	0630	84		
			IMP.1	NO : CULG	LEAR	PEKG	ABST	YUNN									
GRP98375	11	0744+6	0747+8	0801	S09	W41	.689	17890	8.2	17	1B				290	4.0	FJ
ABST	11	0744	0747	0807	S09	W42	.701	17890	8.2	23	1B		C	0747	357	5.1	FJ
ATHN	11	0748E	0750	0755	S09	W41	.689	17890	8.2	7D	1B	3	V	0750	223	3.2	
PEKG	11	0749E	0750	0757	S10	W42	.705	17890	8.2	8D	1B		C	0750	365	5.3	F
CATA	11	0750	0755	0805	S10	W41	.694	17890	8.3	15	1	2	C	0755	140	2.0	
GRP98376	11	0815E	0822+3	0835D	S10	W43	.717	17890	8.1	20	-N						EH
CATA	11	0815E	0825	0835D	S10	W42	.705	17890	8.2	20D	1	2	P	0825	197	2.8	
KHAR	11	0822E	0822	0830D	S10	W44	.728	17890	8.0	8D	-N		V	0822			EH
377 KHAR	11	0822E		0834D	S18	E42	.743	17906	14.5	12D	-F		V	0822			D
378 KHAR	11	0851E	0900	0907D	S16	E42	.733	17906	14.5	16D	-F		P	0900	50	.8	E
379 KHAR	11	0852E	0852	0903D	S10	W46	.750	17890	7.9	11D	-F		P	0852	30	.5	D
380 KHAR	11	0933E		0940D	S21	E35	.692	17901	14.0	7D	-F		P	0933	40	.6	E
381 KHAR	11	0936E	0938	0946D	S21	E45	.786	17906	14.8	10D	-F		P	0938			DH
382 KHAR	11	0937E	0937	0940D	S11	W42	.709	17890	8.3	3D	-F		P	0937	40	.6	D
383 KHAR	11	0945E	0952	1008D	S11	W43	.721	17890	8.2	23D	-N		P	0955	50	.8	H
384 KHAR	11	1005E	1022	1038D	S22	E38	.727	17906	14.3	33D	-N		P	1022	50	.8	E
385 KHAR	11	1022E	1032	1103D	S09	W44	.724	17890	8.1	41D	1N		P	1032	200	3.0	E
GRP98386	11	1222+3	1225+5	1814	S20	E40	.734	17906	14.5	352	1N				170	2.4	K
			1513														
RAMY	11	1222	1225	1814	S18	E41	.733	17906	14.6	352	1N	3	C		230		K
RAMY	11	1222	1513	1814	S18	E41	.733	17906	14.6	352	1N	3	C		264		K
CATA	11	1225	1230	1240D	S23	E39	.743	17906	14.4	15D	-	2	P	1230	124	1.9	
GRP98387	11	1224	1225+1	1331	S21	E31	.653	17901	13.8	67	1B				190	2.5	
RAMY	11	1224	1225	1331	S20	E31	.645	17901	13.8	67	1B	3	C		223		
ATHN	11	1225E	1226	1238D	S22	E32	.671	17901	13.9	13D	1B	3	V	1226	159	2.3	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98388	11	1237	1242+1	1256	S10	W42	.705	17890	8.4	19	-B						K
			1255														
RAMY	11	1237	1242	1304	S11	W43	.721	17890	8.3	27	1B	3	C		282		K
RAMY	11	1237	1255	1304	S11	W43	.721	17890	8.3	27	-N	3	C		24		K
ATHN	11	1242E	1243	1247	S09	W41	.689	17890	8.5	5D	-B	3	V	1243	127	1.8	
389 RAMY	11	1436	1437	1500	S19	E31	.637	17901	13.9	24	-N	3	C		62		
390 RAMY	11	1506	1513	1536	S19	E30	.627	17901	13.9	30	1B	3	C		283		
391 RAMY	11	1552	1601	1720	S20	E29	.625	17901	13.8	88	-B	3	C		165		
	11	1632	1648	NO FLARE PATROL													
	11	1705	1717	NO FLARE PATROL													
392 RAMY	11	1723	1747	1804	S11	W46	.754	17890	8.3	41	-F	3	C		67		
393 RAMY	11	1804	1804	1824	S20	E31	.645	17901	14.1	20	-N	3	C		30		
	11	1827	2111	NO FLARE PATROL													
394 VORO	11	2251	2352	2356	S20	E24	.577	17901	13.8	65	-N		C	2352	116	1.4	EJ
395 MITK	11	2325E		0007	N19	W13	.309	17918	11.0	42D	-N		P	2328			D
396 YUNN	12	0052	0059	0107	N19	W15	.334	17918	10.9	15	-N		C		32	.4	
GRP98397	12	0128	0206	0335	S18	E32	.639	17906	14.5	127	?B						K
			0314														
LEAR	12	0128	0206	0335	S18	E32	.639	17906	14.5	127	?N	3	C		216		K
			IMP.1	NO : VORO	MITK												
LEAR	12	0128	0314	0335	S18	E32	.639	17906	14.5	127	1B	3	C		303		FEK
GRP98398	12	0406	0410+0	0416	S17	E33	.642	17906	14.6	10	-N				80	1.0	
LEAR	12	0406	0410	0418	S18	E31	.629	17906	14.5	12	-N	3	C		54		F
PEKG	12	0409E	0410	0413	S17	E35	.664	17906	14.8	4D	-N		P	0410	105	1.4	E
399 LEAR	12	0426	0428	0437	S18	E31	.629	17906	14.5	11	-N	3	C		54		
400 LEAR	12	0428	0430	0434	S21	E24	.586	17901	14.0	6	-F	3	C		26		
GRP98401	12	0438	0445	0511	S21	E27	.614	17906	14.2	33	-F						K
			0456														
LEAR	12	0438	0439	0500	S21	E23	.577	17906	13.9	22	-F	3	C		46		K
LEAR	12	0438	0453	0500	S21	E23	.577	17906	13.9	22	-N	3	C		32		FK
PEKG	12	0444E	0445	0520	S22	E28	.633	17906	14.3	36D	-F		P	0445	42	.6	D
LEAR	12	0451	0456	0502	S18	E31	.629	17906	14.5	11	-N	3	C		89		F
GRP98402	12	0509+6	0513+3	0525	S20	E29	.625	17906	14.4	16	-N				60	.8	E
LEAR	12	0509	0513	0527	S22	E27	.624	17906	14.2	18	-N	3	C		67		F
PEKG	12	0512E	0513	0519	S21	E28	.624	17906	14.3	7D	-N		P	0513	55	.7	E
LEAR	12	0512	0513	0526	S18	E31	.629	17906	14.5	14	-N	3	C		45		F
PEKG	12	0515	0516	0525	S18	E34	.660	17906	14.8	10	-F		C	0516	50	.7	E
403 LEAR	12	0549	0551	0555	S17	E28	.588	17906	14.3	6	-N	3	C		26		F
GRP98404	12	0615+7	0620	0838	S18	E31	.629	17906	14.6	143	2B				900	11.4	IKUV
			0628+5														
ATHN	12	0615E	0620	0830	S22	E35	.699	17906	14.9	135D	2B	3	V	0620	477	5.8	
LEAR	12	0617	0647U	0923	S17	E32	.632	17906	14.7	186	3B	3	C		1801		ZF
ABST	12	0620E	0631	0731D	S20	E35	.684	17906	14.9	71D	2B		P	0631	725	9.8	D
TACH	12	0622	0628	0756	S18	E30	.618	17906	14.5	94	2B		C	0628	840	11.2	EUVZ
YUNN	12	0626E	0633	0830	S15	E31	.606	17906	14.6	124D	3B		P	0627	996	13.2	FUWZ
YUNN	12	0626E	0641	0830	S15	E31	.606	17906	14.6	124D	3B		P		1125	14.9	K
PEKG	12	0630E	0632	0830	S17	E30	.610	17906	14.5	120D	3B		P	0632	1052	13.7	FITU
CATA	12	0725E	0725	0815D	S17	E31	.621	17906	14.6	50D	2	2	P	0725	674	8.9	
KHAR	12	0837E	0840	1013D	S18	E30	.618	17906	14.6	96D	1N		P	0914	210	2.8	EK
98405	12	0626+0	0628+1	0636D	S21	E21	.560	17901	13.8	10	-N				80	1.0	
ABST	12	0626	0629	0636	S22	E19	.555	17901	13.7	10	-N		C	0629	87	1.1	D
LEAR	12	0626	0628	0714	S20	E23	.567	17901	14.0	48	-N	3	C		70		F

H - ALPHA SOLAR FLARES

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
406 ATHN	12	1005E	1010	1030	S12	E37	.656	17906	15.2	25D	-B	3	V	1010	95	1.2	
GRP98407	12	1033+2	1037	1203D	S21	E24	.586	17906	14.2	90	?N						E
			1100														
KHAR	12	1033E	1037	1203D	S22	E25	.606	17906	14.3	90D	?N		P	1037	120	1.5	E
			IMP.S	IMP.2													
CATA	12	1035	1100	1125D	S20	E23	.567	17906	14.2	50D	2	2	P	1100	562	7.0	
GRP98408	12	1033E	1045	1336D	S16	E32	.624	17906	14.8	183	1B						E
			1321														
ATHN	12	1033E	1045	1120D	S12	E37	.656	17906	15.2	47D	1B	3	V	1045	318	4.0	
KHAR	12	1120E		1205D	S18	E32	.639	17906	14.9	45D	-N		P	1140	110	1.4	E
RAMY	12	1147	1321	1336D	S16	E31	.613	17906	14.8	109D	1B	3	C		439		
	12	1359	1403	NO FLARE PATROL													
409 HOLL	12	1434	1612	1613	S17	E26	.567	17906	14.6	99	-N	3	C		158		
GRP98410	12	1434>9	1434	1623	S20	E18	.523	17906	14.0	109	-N						FK
			1618+0														
HOLL	12	1434	1618	1619	S20	E17	.515	17906	13.9	105	-N	*	C		131		FK
HOLL	12	1434	1434	1619	S20	E17	.515	17906	13.9	105	-F	*	C		24		K
RAMY	12	1609	1618	1626	S20	E19	.531	17906	14.1	17	-N	*	C		43		
411 RAMY	12	1442	1442	1454	S11	E78	.983	17923	18.5	12	-N	3	C		53		
GRP98412	12	1629	1632	1720	S21	E16	.520	17906	13.9	51	?N						F
			1711														
RAMY	12	1629	1632	1720	S23	E13	.526	17906	13.7	51	?N	3	C		32		
			IMP.S	IMP.2													
HOLL	12	1710E	1711	1713D	S20	E20	.540	17906	14.2	3D	2N	3	C		553		F
413 PALE	12	1715E	1715U	1722	S18	E32	.639	17915	15.1	7D	-F	3	C		83		
GRP98414	12	1808	1808	1825	S15	E23	.516	17906	14.5	17	-N						K
			1821														
PALE	12	1808	1808	1825	S15	E23	.516	17906	14.5	17	-N	3	C		21		FEK
PALE	12	1808	1821	1825	S15	E23	.516	17906	14.5	17	-F	3	C		30		K
415 PALE	12	1827	1850	1901	S15	E20	.484	17906	14.3	34	-F	3	C		82		FE
416 CULG	12	2018E	2018U	2024D	S14	E22	.495	17906	14.5	6D	-N		P	2018	90	1.1	
417 HOLL	12	2039E	2041U	2053	S20	E16	.507	17906	14.1	14D	-N	3	C		60		
418 HOLL	12	2044	2052	2124	S13	E89	1.000	17923	19.5	40	-F	3	C				
419 HOLL	12	2049	2103	2129	N22	E13	.346	17898	13.8	40	?F	3	C		208		
			IMP.1	NO : BIGB													
420 HOLL	12	2054	2111	2121	S20	E12	.479	17906	13.8	27	-F	3	C		61		
421 HOLL	12	2104	2113	2140	S16	E22	.515	17906	14.5	36	-B	3	C		165		
422 HOLL	12	2125	2133	2137	S20	E14	.493	17906	13.9	12	-F	3	C		31		
423 HOLL	12	2218E	2219U	2245D	S16	E20	.495	17906	14.4	27D	?B	3	C		306		
			IMP.1	NO : BIGB													
424 CULG	12	2344E	2344U	2347D	S23	E11	.515	17906	13.8	3D	-N		P	2344	60	.7	
GRP98425	13	0010	0013+4	0604	S16	E16	.456	17906	14.2	354	1N				240	2.7	IK
			0552														
PEKG	13	0010	0013	0016	S17	E17	.477	17906	14.3	6	1N		P	0013	252	3.0	F
CULG	13	0015E	0017U	0630	S16	E20	.494	17906	14.5	375D	1N		P	0017	230	2.8	IKT
ABST	13	0550E	0552	0601D	S17	E16	.469	17906	14.4	11D	1N		P	0552	349	4.0	BE
YUNN	13	0604E	0605	0607	S16	E13	.431	17906	14.2	3D	-N		P		32	.4	
426 CULG	13	0049	0057	0112D	S10	W65	.918	17890	8.2	23D	-N		P	0057	40	1.0	
	13	0137	0142	NO FLARE PATROL													

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
427 CULG	13	0156	0200	0217	S13	E85	.998	17923	19.5	21	1N	C	0200	60		
428 CULG	13	0408	0413	0418D	S13	W64	.916	17890	8.4	10D	-F	P	0413	30	.8	
429 CULG	13	0641	0645	0657	S11	W66	.926	17890	8.3	16	-F	P	0645	20		
430 CULG	13	0642	0644	0700	S09	E31	.564	17909	15.6	18	-N	C	0644	20	.3	D
431 PEKG	13	0715	0717	0725	S17	E17	.477	17906	14.6	10	-N	P	0717	67	.8	E
GRP98432	13	0715+2	0720+0	0744	S15	E88	1.000	17923	19.9	29	-N			35		
			0740													
HTPR	13	0715	0720	0745	S15	E88	1.000	17923	19.9	30	-B	C	0720	40		E
PEKG	13	0717	0720	0725	S15	E85	.998	17923	19.7	8	-F	P	0720	34		D
YUNN	13	0739	0740	0744D	S13	E89	1.000	17923	20.0	5D	-N	C		16		
433 YUNN	13	0738E	0739	0744	S23	E09	.505	17906	14.0	6D	-N	P		32	.4	E
GRP98434	13	0821+2	0824	0828D	S16	E18	.475	17906	14.7	7	-F					EK
HTPR	13	0821	0834	0900	S17	E19	.496	17906	14.8	39	-N	C	0834	180	1.8	EK
PEKG	13	0823	0824	0828	S16	E17	.465	17906	14.6	5	-F	C	0824	63	.7	E
GRP98435	13	0854+1	0855+3	0910	S15	W15	.435	17905	12.2	16	-N			50	.6	E
YUNN	13	0854	0858	0900	S15	W15	.435	17905	12.2	6	-N	C		32	.4	E
HTPR	13	0854	0857	0907	S15	W15	.435	17905	12.2	13	-N	C	0857	50	.5	E
CATA	13	0855	0855	0910	S15	W15	.435	17905	12.2	15	-	2 C	0855	84	1.0	
HTPR	13	0906		0940D	S13	W20	.462	17905	11.9	34D	-F	C	0926	40	.4	
436 KANZ	13	1110	1110	1113	S16	E13	.431	17906	14.4	3	-N	3				D
437 KANZ	13	1130	1130	1135	S06	E71	.950	17923	18.8	5	-F	2				
438 KANZ	13	1211	1214	1221	S12	W71	.956	17890	8.2	10	-F	2				
439 KANZ	13	1251	1257	1304	S15	E12	.409	17906	14.4	13	-F	2				
440 HTPR	13	1422E		1507D	S19	E17	.502	17906	14.9	45D	-N	C	1437	100	1.0	E
441 KANZ	13	1509	1509	1514	S16	E12	.423	17906	14.5	5	-N	3				
	13	1532	1546	NO FLARE PATROL												
442 CULG	13	2055	2127	2155	S16	E06	.388	17906	14.3	60	-N	C	2127	90	1.0	JK
443 CULG	13	2108	2115	2139	S06	E65	.913	17923	18.8	31	?N	C	2115	80	2.0	
			IMP.1	NO : BIGB												
444 CULG	13	2128	2131	2210	N20	W37	.623	17918	11.1	42	-F	C	2131	50	.7	
445 CULG	13	2207	2210	2215	N14	W03	.148	17898	13.7	8	-F	C	2210	40	.4	
GRP98446	13	2231>9	2245	2326	S19	E04	.428	17906	14.2	55	-N					EIJK
			2308+1													
CULG	13	2231	2308	0005	S19	E04	.428	17906	14.2	94	1N	C	2308	240	2.6	IKT
VORO	13	2241	2245	2304	S14	E06	.357	17906	14.4	23	-B	C	2245	72	.8	EJ
VORO	13	2307	2309	2325	S21	E02	.456	17906	14.1	18	-B	C	2309	45	.5	EJ
PEKG	13	2320E	2320	2326	S21	W01	.455	17906	13.9	6D	-N	P	2320	50	.6	E
GRP98447	13	2238+4	2247+0	2310	S14	E70	.952	17923	19.2	32	1N			90		E
CULG	13	2238	2247	2315	S14	E73	.966	17923	19.4	37	1N	C	2247	100		
VORO	13	2242	2247	2304	S14	E68	.942	17923	19.0	22	-N	C	2247	90		E
448 VORO	13	2333	2336	2337	S20	E08	.457	17906	14.6	4	-B	C	2336	81	.9	DJH
449 VORO	13	2346	2347	2356	S16	W02	.377	17906	13.8	10	-N	C	2347	72	.8	EJ
450 CULG	14	0014	0019	0027	N17	E09	.244	17899	14.7	13	-F	C	0019	20	.2	
451 CULG	14	0016	0020	0027	S21	E04	.458	17906	14.3	11	-N	C	0020	40	.4	
452 CULG	14	0020	0040	0120	S09	E21	.434	17909	15.6	60	-F	C	0034	110	1.2	F

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453 CULG	14	0100	0137	0230	N18	W43	.690	17918	10.8	90	-F	C	0137	30	.4	
GRP98454	14	0109+6	0114+2	0118D	S16	E04	.380	17906	14.3	9	-N					EIJK
CULG	14	0109	0114	0155	S16	E06	.387	17906	14.5	46	1N	C	0114	220	2.4	IJK
VORO	14	0115	0116	0118	S16	E03	.377	17906	14.3	3	-F	C	0116	54	.6	EJ
455 CULG	14	0123	0129	0145	N14	E11	.233	17919	14.9	22	-F	C	0129	20	.2	
GRP98456	14	0142+3	0145+1	0157	S06	E61	.883	17923	18.6	15	-F			45	.9	EJ
CULG	14	0142	0145	0202	S05	E60	.874	17923	18.6	20	-F	C	0145	30	.6	
VORO	14	0145	0146	0152	S08	E62	.894	17923	18.7	7	-N	C	0146	63		EJ
98457	14	0345	0354 0409	0412D	S23	E04	.488	17906	14.5	27	-B					F
CULG	14	0345	0354	0455	S23	E05	.490	17906	14.5	70	-B	C	0354	90	1.1	
PEKG	14	0408E	0409	0412	S24	E04	.503	17906	14.5	4D	-N	P	0409	84	1.0	F
GRP98458	14	0422+0	0424+5	0548	S16	E01	.374	17906	14.3	86	1B			270	2.9	IJK
MITK	14	0422	0424	0505D	S16	E01	.374	17906	14.3	43D	1N	C	0424	190	2.1	E
PEKG	14	0422	0428	0435	S16	E03	.377	17906	14.4	13	1B	C	0428	252	2.8	F
CULG	14	0424E	0429	0650	S15	E01	.358	17906	14.3	146D	1B	C	0429	380	4.2	IJKT
YUNN	14	0628	0629	0631D	S16	E02	.375	17906	14.4	3D	-N	P		32	.4	
459 CULG	14	0458	0503	0531	S07	E63	.900	17923	18.9	33	-N	C	0503	40	.8	
460 CULG	14	0707	0709	0714	S05	E61	.882	17923	18.9	7	-F	C	0709	40	.8	
GRP98461	14	0709	0715+2	0745	S04	E23	.423	17909	16.0	36	-N			170	1.9	E
CULG	14	0709	0717	0749D	S04	E22	.409	17909	15.9	40D	-N	P	0717	110	1.2	E
CATA	14	0715E	0715	0740	S05	E24	.444	17909	16.1	25D	1 2	P	0715	225	2.6	
GRP98462	14	0733+7	0739+1	0750	N18	E06	.232	17899	14.8	17	-N					E
CULG	14	0733	0739	0744D	N18	E06	.232	17899	14.8	11D	-B	P	0739	50	.5	E
CATA	14	0740	0740	0750	N18	E07	.239	17899	14.8	10	- 2	C	0740	140	1.5	
GRP98463	14	0802	0804+3	0833	S10	E64	.911	17923	19.1	31	1N					
ATHN	14	0802	0804	0836	S09	E61	.888	17923	18.9	34	2B 2	V	0804	255	5.8	
KANZ	14	0803E	0807	0830	S10	E65	.918	17923	19.2	27D	-N 2					
CATA	14	0810E	0810	0815D	S12	E64	.914	17923	19.1	5D	1 2	P	0810	112		
GRP98464	14	0923+0	0924+3	0943	S16	00	.374	17906	14.4	20	-N					F
KANZ	14	0923	0927	0945	S16	E00	.374	17906	14.4	22	-N 2					
LEAR	14	0923	0924	0940	S17	W01	.390	17906	14.3	17	-N 3	C		29		F
GRP98465	14	0928+6	0930+4	0943	S13	E53	.829	17923	18.4	15	-F					F
LEAR	14	0928	0930	0944D	S14	E52	.822	17923	18.3	16D	-F *	C		18		F
KANZ	14	0934	0934	0941	S13	E55	.846	17923	18.5	7	-N *					
GRP98466	14	0930+1	0934+1	0950	N17	E06	.216	17899	14.8	20	-N					F
KANZ	14	0930	0934	0957	N17	E06	.216	17899	14.8	27	-N 3					
LEAR	14	0931	0935	0943	N17	E06	.216	17899	14.8	12	-N 3	C		63		F
467 CATA	14	1015	1015	1020	S08	E56	.844	17923	18.6	5	- 2	C	1015	56	1.1	
GRP98468	14	1017+3	1033+2	1055	S15	00	.358	17906	14.4	38	-N			160	1.7	E
KANZ	14	1017	1033	1049	S16	E00	.374	17906	14.4	32	-N 2					
CATA	14	1020	1035	1100	S15	W01	.358	17906	14.4	40	1 2	C	1035	197	2.2	
HTPR	14	1034E		1406D	S16	E04	.380	17906	14.7	212D	-B	C	1039	110	1.1	E
UPIC	14	1035E		1050	S15	W01	.358	17906	14.4	15D	-N	P	1035	163	1.8	
GRP98469	14	1045+0	1055+5	1113	S05	E23	.430	17909	16.2	28	-N			170	1.9	
UPIC	14	1045	1055	1112	S05	E21	.401	17909	16.0	27	-N	P	1055	122	1.4	F
CATA	14	1045	1100	1115	S04	E23	.423	17909	16.2	30	1 2	C	1100	225	2.6	
KANZ	14	1045	1056	1112	S04	E23	.423	17909	16.2	27	-N 3					
WEND	14	1049E		1101D	S05	E24	.444	17909	16.3	12D	-F	C	1049	119	1.3	
HTPR	14	1052E		1114	S06	E23	.437	17909	16.2	22D	-B	C	1057	150	1.6	E
GRP98470	14	1053+0	1101+3	1114	S16	E64	.921	17923	19.3	21	-N					E
HTPR	14	1053	1101	1111	S16	E60	.893	17923	19.0	18	-B	C	1101	30	.6	E
KANZ	14	1053	1104	1116	S16	E68	.944	17923	19.6	23	-F 3					

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GRP98471	14	1110+5	1123+3	1143	S15	W02	.359	17906	14.3	33	-N			130	1.4	E
HTPR	14	1110		1130D	S16	E01	.374	17906	14.5	20D	-B	* C	1116	120	1.2	E
UPIC	14	1112E	1126	1140	S15	W03	.361	17906	14.2	28D	-N	* P	1126	102	1.1	
KANZ	14	1112	1123	1146	S15	W02	.359	17906	14.3	34	-N	*				
CATA	14	1115	1120	1120D	S15	W03	.361	17906	14.2	5D	-	* P	1120	140	1.6	
GRP98472	14	1155+1	1159+4	1211	S08	E59	.870	17923	18.9	16	-F					
KANZ	14	1155	1159	1207	S07	E59	.868	17923	18.9	12	-F	3				
RAMY	14	1156	1203	1215	S10	E59	.874	17923	18.9	19	-N	3 C		50		
GRP98473	14	1159E	1200+5	1210	S14	E02	.343	17906	14.6	11	-F			40	.4	E
RAMY	14	1124	1205	1209	S14	E02	.343	17906	14.6	45	-F	* C		37		
KANZ	14	1159	1203	1212	S15	E03	.361	17906	14.7	13	-F	*				
UPIC	14	1200E	1200U	1210	S13	E01	.325	17906	14.6	10D	-F	* P	1200	41	.5	E
474 RAMY	14	1213	1220	1239	S16	E00	.374	17906	14.5	26	-N	3 C		90		
GRP98475	14	1230>9	1240+1	1300	S05	E20	.387	17909	16.0	30	-F			110	1.2	F
UPIC	14	1230	1241	1300	S05	E21	.401	17909	16.1	30	-F	P	1241	122	1.4	F
CATA	14	1240	1240	1245D	S05	E20	.387	17909	16.0	5D	-	2 P	1240	112	1.2	
GRP98476	14	1255	1328	1346	S07	E58	.860	17923	18.9	51	-N					E
RAMY	14	1255	1328	1346	S07	E59	.868	17923	19.0	51	-N	3 C		51		
UPIC	14	1300E		1305U	S07	E58	.860	17923	18.9	5D	-F	P	1300	41	.8	E
GRP98477	14	1305+0	1306+3	1326	S17	W02	.391	17906	14.4	21	1N					FU
RAMY	14	1305	1306	1308D	S16	W01	.374	17906	14.5	3D	1B	* C		248		UF
KANZ	14	1305E	1309	1322D	S17	W02	.391	17906	14.4	17D	1N	*				F
RAMY	14	1306	1310	1325	S23	W09	.504	17906	13.9	19	-N	* C		68		
HTPR	14	1323E		1326D	S16	E04	.380	17906	14.9	3D	-F	* C	1324	30	.3	
478 HTPR	14	1324		1326D	S16	E59	.886	17923	19.0	2D	-B	C	1326	40	.8	E
479 RAMY	14	1349	1353	1405	S08	E56	.844	17923	18.8	16	-N	3 C		81		
480 RAMY	14	1355	1402	1415	S20	W08	.456	17906	14.0	20	-F	3 C		34		
GRP98481	14	1439	1444	1533	S06	E63	.899	17923	19.3	54	1B					
RAMY	14	1439	1444	1533	S07	E60	.877	17923	19.1	54	1B	3 C		177		
HTPR	14	1447E		1459D	S06	E66	.920	17923	19.6	12D	-B	C	1447	80	1.8	
GRP98482	14	1526+2	1527	1537	S16	00	.374	17906	14.6	11	-N			60	.6	E
RAMY	14	1526	1527	1537	S16	W01	.374	17906	14.6	11	-N	3 C		82		
HTPR	14	1528		1528D	S16	E01	.374	17906	14.7		-F	C	1528	50	.5	E
483 HOLL	14	1645E	1645U	1652D	S11	E59	.876	17923	19.1	7D	?B	2 C				E
			IMP.2 NO : BIGB													
484 RAMY	14	1705	1710	1803	S06	E86	.998	17926	21.2	58	-B	3 C				Y
GRP98485	14	1711	1807	1834	S19	W06	.433	17906	14.3	83	-B			110	1.2	EU
RAMY	14	1711	1807	1827	S17	W04	.396	17906	14.4	76	-B	3 C		149		FE
RAMY	14	1758	1803	1817	S23	W11	.513	17906	13.9	19	-F	3 C		34		
HOLL	14	1810E	1810U	1841D	S18	W04	.411	17906	14.5	31D	-B	2 C		80		UE
486 RAMY	14	1736	1739	1801	S17	W29	.598	17905	12.6	25	-F	3 C		26		
487 RAMY	14	1853	1859	1917	S16	W05	.383	17906	14.4	24	-N	3 C		97		
488 RAMY	14	1858	1900	1905	S08	E53	.816	17923	18.8	7	-N	3 C		23		
489 PALE	14	1923	1926	1929	S16	W05	.383	17906	14.4	6	-F	3 C		58		
490 CULG	14	2047	2057	2100D	S17	W06	.402	17906	14.4	13D	-B	P	2057	100	1.1	
491 CULG	14	2300	2304U	2317D	S23	W10	.509	17906	14.2	17D	-N	P	2304	70	.8	
492 LEAR	14	2306	2308	2324	S10	E55	.839	17923	19.1	18	-F	3 C		22		
493 VORO	15	0036	0037	0041	S20	E00	.437	17915	15.0	5	-N	C	0037	45	.5	D

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494 VORO	15	0043	0044	0057	S08	E80	.988	17926	21.0	14	-F		C	0044	72		EJ
495 VORO	15	0052	0055	0059	S15	E59	.884	17923	19.5	7	?N		C	0055	134	2.6	EJH
			IMP.1 NO : LEAR PALE														
496 VORO	15	0120	0122	0126	S08	E80	.988	17926	21.1	6	?F		C	0122	90		EJ
			IMP.1 NO : LEAR PALE														
GRP98497	15	0209+0	0210+0	0217	S08	E81	.990	17926	21.2	8	-N						DJ
YUNN	15	0209	0210	0212	S09	E82	.993	17926	21.2	3	-N		C		16		
VORO	15	0209	0210	0221	S08	E80	.988	17926	21.1	12	-N		C	0210	72		DJ
498 VORO	15	0233	0235	0242	S23	W18	.557	17906	13.8	9	-F		C	0235	54	.7	EJ
499 VORO	15	0235	0236	0241	S15	W07	.375	17906	14.6	6	-N		C	0236	81	.9	EJ
500 YUNN	15	0329E	0333	0357	S14	E53	.831	17923	19.1	28D	-N		P		48	.9	E
501 YUNN	15	0416	0417	0431	S22	W09	.489	17906	14.5	15	-N		C		32	.4	
GRP98502	15	0443E	0444+2	0500	S21	W15	.510	17906	14.1	17	1B						E
PURP	15	0443E	0444	0447D	S22	W14	.516	17906	14.1	4D	1B		V	0444	269	3.2	
MANI	15	0444E	0446	0453D	S21	W17	.525	17906	13.9	9D	-B	1	V		150	1.8	
YUNN	15	0449E		0500	S21	W15	.510	17906	14.1	11D	2N		P	0449	482	5.8	E
GRP98503	15	0600E	0600+2	0613	S22	W17	.537	17906	14.0	13	-B						
ATHN	15	0600E	0600	0613	S23	W16	.542	17906	14.1	13D	1B	3	V	0600	350	4.3	
MANI	15	0600E	0602	0604D	S21	W19	.541	17906	13.8	4D	-B	1	V		80	1.0	
GRP98504	15	0641E	0642	0650	S16	W15	.445	17906	14.2	9	-B				80	.9	E
HTPR	15	0641E		0650D	S17	W20	.504	17906	13.8	9D	-B		C	0641	50	.5	E
ATHN	15	0641E	0642	0650	S15	W11	.400	17906	14.5	9D	-B	3	V	0642	111	1.2	
505 HTPR	15	0707	0709	0712	S20	W20	.538	17906	13.8	5	-F		C	0709	10	.1	
GRP98506	15	0717+3	0721	0822	S19	W05	.429	17906	14.9	65	-N				140	1.5	FK
			0738+8														
HTPR	15	0717	0721	0845	S20	W10	.465	17906	14.6	88	-B		C	0739	120	1.2	EK
ISTA	15	0720		0823	S19	W02	.422	17906	15.2	63	-F						EF
CATA	15	0730E	0730	0740D	S17	W12	.435	17906	14.4	10D	1	2	P	0730	253	2.9	T
PEKG	15	0736	0738	0820	S19	W03	.424	17906	15.1	44	-N		P	0738	181	2.0	F
ATHN	15	0742	0743	0809	S18	W05	.413	17906	14.9	27	-B	3	V	0743	159	1.8	
MANI	15	0744E	0746U	0748D	S19	E00	.421	17906	15.3	4D	-N	1	V		120	1.4	F
GRP98507	15	0850	0900+2	0950	S20	W16	.504	17906	14.2	60	-N				70	.8	EK
			0931+0														
HTPR	15	0850	0850	0901	S24	W25	.623	17906	13.5	11	-N		C	0850	40	.4	E
YUNN	15	0900E	0900	0905	S19	W15	.484	17906	14.2	5D	-N		P		80	.9	E
HTPR	15	0901	0902	0911	S20	W20	.538	17906	13.9	10	-B		C	0901	50	.5	E
KHAR	15	0904E	0931	0954D	S20	W16	.504	17906	14.2	50D	-N		P	0931	100	1.2	EK
HTPR	15	0918	0931	0950	S20	W20	.538	17906	13.9	32	-B		C	0931	50	.5	E
508 HTPR	15	1003	1008	1014	S17	E50	.814	17923	19.2	11	-B		C	1008	40	.6	
GRP98509	15	1048+0	1048+1	1055	S13	E51	.810	17923	19.3	7	-N						
HTPR	15	1048	1049	1055	S17	E50	.814	17923	19.2	7	-B		C	1049	30	.5	
KANZ	15	1048	1048	1055	S10	E52	.811	17923	19.3	7	-N	3					
GRP98510	15	1101+2	1119+6	1134	S20	W19	.529	17906	14.0	33	-N						E
HTPR	15	1101	1125	1129	S20	W21	.546	17906	13.9	28	-B		C	1125	40	.4	E
KANZ	15	1103	1119	1138	S21	W17	.525	17906	14.2	35	-N	3					
GRP98511	15	1148+7	1204+1	1240	S09	E48	.767	17923	19.1	52	-N				110	1.7	E
HTPR	15	1148	1204	1240	S09	E40	.676	17923	18.5	52	-B		C	1204	120	1.6	E
KANZ	15	1150	1205	1235	S09	E50	.788	17923	19.2	45	-N	3					
CATA	15	1155	1205	1245D	S09	E48	.767	17923	19.1	50D	-	2	P	1205	112	1.8	T
512 HTPR	15	1247	1249	1255	S09	E39	.664	17923	18.5	8	-N		C	1249	60	.8	
513 HTPR	15	1254	1258	1310	S24	W27	.641	17906	13.5	16	-N		C	1258	70	.8	E

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
514 HTPR	15	1322		1331D	S15	E37	.672	17923	18.3	9D	-F	C	1324	40	.5	
515 HTPR	15	1353E		1400	S22	W17	.537	17906	14.3	7D	-F	C	1353	50	.5	E
516 HTPR	15	1358	1406	1411	S11	E90	1.000	17930	22.3	13	-F	C	1406	20		E
517 HTPR	15	1418	1433	1448	S11	E90	1.000	17930	22.3	30	-N	C	1433	40		E
518 HTPR	15	1419	1428	1433	S11	E68	.938	17926	20.7	14	-B	C	1428	40	.8	
519 HTPR	15	1458	1501	1523	S11	E88	1.000	17930	22.2	25	-B	C	1501	20		A
520 HTPR	15	1531	1533	1545	S22	W18	.545	17906	14.3	14	-B	C	1533	150	1.5	E
521 HTPR	15	1538	1542	1556	S22	W30	.650	17906	13.4	18	-B	C	1542	100	1.1	E
522 HTPR	15	1548		1624D	S11	E88	1.000	17930	22.3	36D	-F	C	1605	40		
523 HTPR	15	1558	1605	1607	S17	W18	.485	17906	14.3	9	-N	C	1605	150	1.5	E
524 HTPR	15	1607		1624D	S10	E45	.738	17923	19.0	17D	-F	C	1616	20	.3	
	15	1625	1644	NO FLARE PATROL												
525 CULG	15	2238	2247	2315	S19	W07	.436	17915	15.4	37	-B	C	2247	120	1.3	
GRP98526	15	2302	2304+0	2317	S06	E37	.627	17923	18.7	15	-B			110	1.4	FIK
CULG	15	2302	2304	2337D	S06	E37	.627	17923	18.7	35D	-B	P	2304	120	1.5	FKI
MANI	15	2304E	2304U	2316	S07	E37	.631	17923	18.7	12D	-B	1 V		100	1.3	F
MITK	15	2308E		2317D	S06	E37	.627	17923	18.7	9D	-N	P	2308			E
527 PEKG	16	0036E	0037	0037D	S11	E43	.719	17923	19.2	1D	-N	P	0037	101	1.7	E
528 VORO	16	0037	0038	0043	S18	W10	.435	17915	15.3	6	-N	C	0038	81	.9	E
529 VORO	16	0108	0110	0118	S09	E90	1.000		22.8	10	?N	C	0110	63		DJ
			IMP.1	NO : LEAR	PEKG	CULG										
530 VORO	16	0219	0221	0232	S08	E43	.708	17923	19.3	13	-F	C	0221	108	1.5	DJ
531 YUNN	16	0245	0248	0253	N14	W14	.276	17919	15.1	8	-F	C		96	1.0	
GRP98532	16	0305+2	0315+2	0343	S11	E41	.696	17923	19.2	38	1B					FI
			0323													
PEKG	16	0305E	0316	0327	S12	E43	.723	17923	19.4	22D	1B	C	0316	168	2.5	F
CULG	16	0307	0317	0343	S10	E40	.680	17923	19.1	36	1B	P	0317	280	3.9	FI
MANI	16	0314E	0315	0326D	S14	E45	.753	17923	19.5	12D	-N	1 V		60	.9	F
YUNN	16	0322E	0323	0345	S10	E40	.680	17923	19.1	23D	-N	P		133	1.6	E
GRP98533	16	0315+0	0316+1	0325	N12	W15	.277	17919	15.0	10	-N					
CULG	16	0315	0317	0327	N12	W16	.292	17919	14.9	12	-N	C	0317	120	1.2	F
PEKG	16	0315	0316	0322	N13	W15	.283	17919	15.0	7	-N	C	0316	42	.4	D
GRP98534	16	0320+4	0325+1	0329	S17	W21	.513	17906	14.6	9	-N			40	.5	D
CULG	16	0320	0325	0328	S18	W21	.523	17906	14.6	8	-N	C	0325	60	.7	
YUNN	16	0324	0326	0328D	S16	W20	.492	17906	14.6	4D	-N	P		32	.4	
PEKG	16	0324	0325	0330	S17	W21	.513	17906	14.6	6	-F	C	0325	42	.5	D
GRP98535	16	0349+1	0351+0	0402	S17	W21	.513	17906	14.6	13	-B					EV
PEKG	16	0349	0351	0400	S17	W21	.513	17906	14.6	11	-N	C	0351	105	1.2	E
CULG	16	0350	0351	0403	S17	W21	.513	17906	14.6	13	1B	C	0351	260	3.1	VFE
GRP98536	16	0401+2	0405+2	0416	S07	E67	.928	17926	21.2	15	-N					
CULG	16	0401	0407	0421	S06	E66	.920	17926	21.1	20	1F	C	0407	160	4.0	F
PEKG	16	0403	0405	0410	S09	E68	.936	17926	21.3	7	-N	P	0405	55		E

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GRP98537	16	0518>9	0635+5	0734	S09	E38	.652	17923	19.1	136	1B			300	3.9	FIJK
			0700+4													
ABST	16	0518	0635	0754D	S13	E39	.683	17923	19.1	156D	2N	P	0635	570	8.0	FJK
CULG	16	0555	0600U	0613D	S08	E37	.635	17923	19.0	18D	-N	P	0600	110	1.4	F
ATHN	16	0629	0637	0725	S10	E33	.594	17923	18.7	56	1B	3 V	0637	286	3.6	
ISTA	16	0630	0700	0725	S09	E40	.676	17923	19.3	55	1N					E
MANI	16	0636E	0639U	0643D	S10	E36	.632	17923	19.0	7D	-B	1 V		140	1.9	F
CULG	16	0637E	0640U	0731D	S09	E38	.652	17923	19.1	54D	1B	P	0640	310	4.0	FI
YUNN	16	0641E		0643D	S09	E36	.627	17923	19.0	2D	1N	P	0642	241	3.2	EF
MANI	16	0703E	0704U	0707D	S09	E36	.627	17923	19.0	4D	-N	1 V		40	.5	
YUNN	16	0730E	0734	0746D	S10	E40	.680	17923	19.3	16D	-N	P		64	.9	E
538 CULG	16	0527	0528	0531D	S28	W16	.604		15.0	4D	-N	P	0528	80	1.0	
GRP98539	16	0537+5	0540	0657	N14	W19	.349	17919	14.8	80	-N			180	1.9	EU
			0640+3													
CULG	16	0537E	0540	0712D	N14	W19	.349	17919	14.8	95D	1N	* P	0540	190	2.1	F
CULG	16	0542	0547	0552	N12	W16	.292	17919	15.0	10	-N	* C	0547	60	.6	
ISTA	16	0633	0640	0650	N16	W17	.334	17919	15.0	17	-N					U
ABST	16	0638E	0643	0704D	N15	W19	.355	17919	14.9	26D	1F	* P	0643	310	3.4	E
HTPR	16	0639E		0750	N14	W20	.364	17919	14.8	71D	1N	* C	0645	220	2.2	E
ATHN	16	0640	0642	0654	N15	W20	.370	17919	14.8	14	-B	* V	0642	143	1.6	
YUNN	16	0641E		0643D	N14	W18	.334	17919	14.9	2D	-N	* P	0642	80	.9	E
540 ABST	16	0604	0609	0616	S13	W25	.517	17906	14.4	12	-N	C	0609	87	1.0	D
541 ABST	16	0627	0631	0645D	S17	W24	.543	17906	14.5	18D	-N	P	0631	148	1.8	F
GRP98542	16	0642	0651	0724	S06	W06	.229	17909	15.8	42	-F					
			0702													
HTPR	16	0642	0651	0727	S06	W07	.237	17909	15.8	45	-F	C	0651	120	1.2	EF
CULG	16	0644E	0702U	0720	S06	W05	.222	17909	15.9	36D	-N	P	0702	100	1.0	
543 HTPR	16	0646	0648	0655	S11	E72	.959	17930	21.7	9	-F	C	0648	20		
544 HTPR	16	0650	0654	0706	S20	W11	.469	17915	15.5	16	-F	C	0654	40	.4	
GRP98545	16	0655+3	0658+0	0705	S19	W30	.624	17906	14.0	10	-N			60	.8	E
HTPR	16	0655	0658	0705	S22	W30	.649	17906	14.0	10	-N	C	0658	40	.4	E
ATHN	16	0657	0658	0708	S19	W35	.675	17906	13.7	11	-B	3 V	0658	80	1.1	
ISTA	16	0658		0705	S19	W28	.603	17906	14.2	7	-N					E
GRP98546	16	0754>9	0806+4	0817	S11	E39	.673	17923	19.3	23	-N					
KANZ	16	0754E	0806	0817	S11	E39	.673	17923	19.3	23D	-N	*				
CATA	16	0805	0810	0810D	S11	E40	.685	17923	19.3	5D	1	* P	0810	337	4.8	T
GRP98547	16	0800	0825+5	0900D	S07	W04	.232	17909	16.0	60	1F			210	2.2	EU
HTPR	16	0800	0825	0930	S08	W07	.267	17909	15.8	90	-F	C	0825	180	1.8	EU
CATA	16	0820E	0830	0900	S07	W02	.224	17909	16.2	40D	1	2 P	0830	253	2.7	T
GRP98548	16	0836+4	0844+6	0935	N15	W19	.355	17919	14.9	59	-B					I
			0904+2													
KANZ	16	0836	0844	0911	N14	W18	.334	17919	15.0	35	-B	3				
HTPR	16	0840	0845	0945	N13	W20	.358	17919	14.9	65	-B	C	0845	150	1.5	EI
CATA	16	0850	0850	0925	N15	W22	.398	17919	14.7	35	-	2 C	0850	56	.6	
ATHN	16	0902	0904	0949	N15	W19	.355	17919	15.0	47	-N	3 V	0904	80	.9	
YUNN	16	0905E	0906	0910D	N17	W17	.343	17919	15.1	5D	-N	P		48	.5	D
GRP98549	16	0855	0914	1105	S08	E31	.557	17923	18.7	130	1N					E
			1024													
KANZ	16	0855		1018D	S10	E36	.632	17923	19.1	83D	-N	2				
YUNN	16	0905E		0910D	S10	E38	.656	17923	19.2	5D	1N	P	0905	177	2.3	E
ATHN	16	0912	0914	1030	S10	E32	.582	17923	18.8	78	1N	3 V	0914	223	2.7	
HTPR	16	0956	0957	1000	S06	E27	.491	17923	18.4	4	-B	C	0957	20	.2	
HTPR	16	1023	1024	1110	S04	E26	.466	17923	18.4	47	-N	C	1024	70	.8	E
CATA	16	1025	1035	1105	S02	E23	.411	17923	18.2	40	1	2 C	1035	253	2.9	
550 HTPR	16	1017	1018	1027	S11	E57	.859	17926	20.7	10	-F	C	1018	20	.3	
551 HTPR	16	1021	1029	1049	S18	W28	.594	17906	14.3	28	-F	C	1029	40	.4	E

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552 HTPR	16	1036	1043	1113	S19	W12	.461	17915	15.5	37	-F		C	1043	30	.3	E
553 HTPR	16	1047	1056	1128	S12	E60	.885	17926	20.9	41	-B		C	1056	30	.6	E
554 HTPR	16	1136	1139	1149	S14	E25	.526	17923	18.4	13	-F		C	1139	20	.2	E
555 HTPR	16	1152	1154	1225	S14	E32	.608	17923	18.9	33	-N		C	1154	150	1.7	E
GRP98556	16	1207+3	1209+1	1213	S20	W31	.642	17906	14.2	6	-F						E
HTPR	16	1207	1209	1210	S21	W33	.670	17906	14.0	3	-F		C	1209	20	.2	E
CATA	16	1210	1210	1215	S20	W30	.632	17906	14.3	5	-	2	C	1210	56	.7	
GRP98557	16	1214+1	1225>9	1315	S18	W26	.574	17906	14.6	61	1B				340	4.1	FIY
HTPR	16	1214	1235	1315	S18	W30	.616	17906	14.3	61	1B		C	1235	350	3.9	EFI
CATA	16	1215	1235	1245D	S17	W26	.564	17906	14.6	30D	2	2	P	1235	562	7.0	
KANZ	16	1221E	1224	1224D	S18	W26	.574	17906	14.6	3D	1N	1					
ATHN	16	1223	1225	1327	S16	W23	.523	17906	14.8	64	1B	3	V	1225	255	2.9	
RAMY	16	1229	1230	1259	S19	W27	.593	17906	14.5	30	1B	3	C		330		YF
558 CATA	16	1230	1235	1245D	S25	W05	.518		16.1	15D	?	2	P	1235	225	2.7	
			IMP.1	NO : HTPR													
559 HTPR	16	1244	1246	1305	S12	E20	.449	17916	18.0	21	-N		C	1246	60	.6	E
98560	16	1244+0	1248+0	1316	S22	W37	.715	17906	13.8	32	1B						EK
RAMY	16	1244	1248	1323	S19	W36	.686	17906	13.8	39	2B	3	C		617		
HTPR	16	1244	1248	1308	S25	W39	.753	17906	13.6	24	1B		C	1248	300	3.9	EK
561 HTPR	16	1334	1344	1405	S25	W39	.753	17906	13.6	31	-N		C	1344	20	.3	
562 HTPR	16	1425	1441	1453	N14	W22	.393	17919	15.0	28	-F		C	1441	40	.4	E
GRP98563	16	1520+0	1523+2	1537	S05	E59	.865	17926	21.1	17	-F				35	.7	E
HOLL	16	1520	1525	1535	S06	E60	.875	17926	21.1	15	-F	3	C		33		
HTPR	16	1520	1523	1539	S05	E58	.856	17926	21.0	19	-F		C	1523	40	.8	E
564 HTPR	16	1553	1554	1557	S20	W36	.692	17906	14.0	4	-F		C	1554	60	.7	E
565 HOLL	16	1619	1622	1625	S17	W27	.575	17906	14.7	6	-F	3	C		38		
566 HOLL	16	1639	1647	1731	S09	E34	.602	17923	19.2	52	-F	3	C		113		F
GRP98567	16	1719	1721	1752	S18	W35	.668	17906	14.1	33	-B						FKZ
			1734														
HOLL	16	1719	1734	1752	S18	W35	.668	17906	14.1	33	-N	3	C		56		K
HOLL	16	1719	1721	1752	S18	W35	.668	17906	14.1	33	-B	3	C		63		ZFK
568 HOLL	16	1756	1757	1805	S13	E31	.589	17923	19.1	9	-F	3	C		30		F
569 HOLL	16	1842	1845	1930	S08	E30	.544	17923	19.0	48	-F	3	C		25		
570 HOLL	16	1847	1851	1857	S19	W38	.706	17906	13.9	10	-B	3	C		81		H
571 HOLL	16	1918	1929	1932	S19	W20	.525	17915	15.3	14	-F	3	C		39		
572 HOLL	16	1944	1952	2020	S19	W19	.516	17915	15.4	36	-F	3	C		56		
GRP98573	16	2034	2036	2119	S17	W35	.662	17906	14.2	45	-F						
HOLL	16	2034	2036	2049	S19	W37	.696	17906	14.1	15	-F	3	C		27		
HOLL	16	2035	2036	2119	S16	W34	.644	17906	14.3	44	-F	3	C		50		
574 HOLL	16	2037	2038	2135	S08	E27	.504	17923	18.9	58	-B	3	C		162		FE
575 HOLL	16	2212	2233	2338D	S09	E52	.808	17926	20.8	86D	?B	3	C		324		U
			IMP.1	NO : BIGB													
GRP98576	16	2356+0	2356+1	0006	S11	E24	.488	17923	18.8	10	-F						J
VORO	16	2356	2357	0006	S11	E24	.488	17923	18.8	10	-N		C	2357	152	1.9	EJ
LEAR	16	2356	2356	0005	S12	E24	.497	17923	18.8	9	-F	3	C		51		F
577 LEAR	17	0101	0101	0120	S10	E29	.565	17923	19.2	19	-N	3	C		29		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Corr (Sq Deg)	Remarks
578 VORO	17	0139	0144	0150	S06	W11	.315	17909	16.2	11	-F		C	0144	90	.9	EK
579 LEAR	17	0211	0213	0226	S20	W22	.588	17915	15.4	15	-F	3	C		47		
	17	0228	0234	NO FLARE PATROL													
GRP98580	17	0255	0304	0330	S18	W39	.730	17906	14.2	35	-N						F
LEAR	17	0255	0304	0322	S16	W37	.697	17906	14.3	27	-N	3	C		86		F
LEAR	17	0255	0304	0330	S20	W41	.761	17906	14.0	35	-N	3	C		54		
581 LEAR	17	0336	0339	0350	S08	E23	.475	17923	18.9	14	-N	3	C		121		F
582 PEKG	17	0439E	0439	0445	S19	W43	.773	17906	14.0	6D	-N		P	0439	42	.6	E
583 PEKG	17	0522	0525	0532	S10	E22	.482	17923	18.9	10	-N		P	0525	126	1.5	F
584 PEKG	17	0525E	0525	0529	S24	W37	.752	17906	14.5	4D	-N		P	0525	38	.6	D
GRP98585	17	0606	0607 0611	0635	S16	W41	.738	17906	14.2	29	1N						
ABST	17	0606	0607	0612	S17	W45	.781	17906	13.9	6	-F		C	0607	87	1.4	D
ABST	17	0607	0611	0635	S15	W38	.701	17906	14.4	28	1N		C	0611	174	2.4	D
586 ABST	17	0607	0612	0615	S14	E25	.554	17923	19.1	8	-F		C	0612	87	1.0	E
587 HTPR	17	0658E		0746	S10	E48	.781	17926	20.9	48D	-N		C	0713	40	.6	E
GRP98588	17	0730>9	0737+6	0812	S07	E18	.405	17923	18.7	42	-N				90	1.0	
HTPR	17	0730	0737	0818	S05	E17	.372	17923	18.6	48	-B		C	0737	60	.6	E
LEAR	17	0736	0738	0812	S07	E20	.429	17923	18.8	36	-N	3	C		99		F
KANZ	17	0739E	0739	0750D	S07	E19	.417	17923	18.7	11D	-N	2					
ATHN	17	0740	0743	0805	S08	E15	.382	17923	18.4	25	-N	3	V	0743	111	1.2	
GRP98589	17	0735+5	0722 0737+5	0752	S16	W45	.777	17906	13.9	17	-N				90	1.4	E
HTPR	17	0721	0722	0737	S24	W39	.768	17906	14.4	16	-F	*	C	0722	30	.4	E
HTPR	17	0735	0742	0756	S17	W43	.763	17906	14.1	21	-B	*	C	0742	80	1.1	E
LEAR	17	0736	0739	0754	S16	W47	.795	17906	13.8	18	1N	*	C		231		F
PEKG	17	0737E	0737	0748	S16	W45	.777	17906	13.9	11D	-N	*	P	0737	63	1.0	E
CATA	17	0740	0740	0750	S15	W46	.782	17906	13.9	10	-	*	C	0740	112	1.8	
GRP98590	17	0803+2	0805+2	0838	S17	W38	.714	17906	14.5	35	-F				30	.4	
HTPR	17	0803	0807	0840	S16	W39	.718	17906	14.4	37	-F		C	0807	20	.3	
LEAR	17	0805	0805	0836	S18	W38	.720	17906	14.5	31	-F	3	C		37		
GRP98591	17	0834+8	0834+1 0844+1	0858	S09	E20	.449	17923	18.9	24	-N						E
KANZ	17	0834	0834	0845	S15	E21	.524	17923	18.9	11	-F	2					
CATA	17	0835	0835	0910	S07	E18	.405	17923	18.7	35	1	2	C	0835	197	2.2	
KANZ	17	0841	0845	0856	S07	E19	.417	17923	18.8	15	-F	2					
HTPR	17	0842	0844	0858	S09	E23	.484	17923	19.1	16	-N		C	0844	50	.5	E
GRP98592	17	0853+1	0854+2	0907	N20	W87	.995	17918	10.8	14	-N						
KANZ	17	0841	0856	0908	N19	W87	.995	17918	10.8	27	-N	2					
LEAR	17	0853	0854	0907	N20	W83	.986	17918	11.1	14	1N	3	C				
HTPR	17	0854	0855	0906	N22	W90	.998	17918	10.6	12	-N		C	0855	40		
593 HTPR	17	0922	0923	0932	S22	W40	.764	17906	14.4	10	-F		C	0923	30	.4	E
GRP98594	17	0950+2	0952+0	1012	S14	E21	.513	17923	19.0	22	-F						E
HTPR	17	0950	0952	1017	S15	E20	.514	17923	18.9	27	-F		C	0952	50	.5	E
KANZ	17	0952	0952	1007	S13	E23	.523	17923	19.1	15	-F	2					
GRP98595	17	0951+6	0954+4	1007	S20	W44	.788	17906	14.1	16	-F						
ATHN	17	0951	0954	0959	S15	W40	.722	17906	14.4	8	-N	3	V	0954	64	.9	
KANZ	17	0956	0956	1007	S20	W44	.788	17906	14.1	11	-F	2					
HTPR	17	0957	0958	1018	S20	W47	.814	17906	13.9	21	-F		C	1002	20	.3	
596 HTPR	17	0957	1001	1012	S12	E42	.727	17926	20.6	15	-F		C	1001	20	.3	

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GRP98597	17	1012+3	1015+0	1033	S17	W37	.704	17906	14.6	21	-F			70	.9	
			1021													
HTPR	17	1012	1015	1019	S18	W36	.701	17906	14.7	7	-F	C	1015	60	.7	
HTPR	17	1013	1021	1045	S16	W40	.728	17906	14.4	32	-F	C	1021	30	.4	
CATA	17	1015	1015	1020	S18	W36	.701	17906	14.7	5	-	2 C	1015	84	1.2	
GRP98598	17	1032+4	1042+3	1112	S07	E19	.417	17923	18.9	40	1N			230	2.5	E
HTPR	17	1032	1044	1114	S09	E21	.461	17923	19.0	42	1B	C	1044	230	2.3	E
KANZ	17	1034	1042	1110	S08	E20	.439	17923	18.9	36	1N	3				
CATA	17	1035	1045	1115	S07	E19	.417	17923	18.9	40	1	2 C	1045	281	3.1	
MONT	17	1036	1043	1058	S07	E18	.405	17923	18.8	22	-N	C	1043	110		
599 HTPR	17	1053	1056	1103	S19	W37	.717	17906	14.7	10	-F	C	1056	20	.3	
GRP98600	17	1129+0	1129+1	1146	S09	E21	.461	17923	19.1	17	-F					E
HTPR	17	1129	1130	1155	S10	E22	.482	17923	19.1	26	-F	C	1130	60	.6	E
KANZ	17	1129	1129	1137	S08	E20	.439	17923	19.0	8	-F	3				
GRP98601	17	1156>9	1210+5	1228	S17	W44	.772	17906	14.2	32	-N					
KANZ	17	1156	1212	1228	S17	W44	.772	17906	14.2	32	-N	*				
CATA	17	1200	1210	1230	S19	W44	.782	17906	14.2	30	-	* C	1210	68	1.1	
HTPR	17	1208	1215	1220	S15	W43	.752	17906	14.3	12	-F	* C	1215	30	.4	
CATA	17	1210	1210	1225	S15	W45	.772	17906	14.1	15	-	* C	1210	84	1.3	
GRP98602	17	1158+2	1200+4	1216	S14	E16	.465	17923	18.7	18	-N			50	.6	E
HTPR	17	1158	1202	1217	S14	E16	.465	17923	18.7	19	-N	C	1202	50	.5	E
CATA	17	1200	1200	1210	S14	E16	.465	17923	18.7	10	-	2 C	1200	56	.6	
KANZ	17	1200	1204	1216	S14	E17	.474	17923	18.8	16	-N	3				
GRP98603	17	1238+2	1241+3	1252	S20	W45	.796	17906	14.2	14	-N					
HTPR	17	1238	1241	1252	S21	W46	.810	17906	14.1	14	-N	C	1241	10	.1	
KANZ	17	1240	1244	1252	S20	W44	.788	17906	14.2	12	-N	3				
604 HTPR	17	1316	1324	1339	S16	W60	.901	17905	13.1	23	-F	C	1324	20	.4	
GRP98605	17	1430>9	1447+5	1534	S03	E44	.712	17926	20.9	64	-N			80	1.1	F
HTPR	17	1430	1447	1546	S04	E45	.727	17926	21.0	76	-B	C	1447	60	.8	
HOLL	17	1443	1452	1521	S03	E43	.700	17926	20.8	38	-N	3 C		103		F
606 HTPR	17	1450	1451	1455	S16	W60	.901	17905	13.1	5	-F	C	1451	10	.2	
GRP98607	17	1458>9	1507+4	1519	S15	W42	.742	17906	14.5	21	-F			45	.6	E
HTPR	17	1458	1507	1516	S16	W41	.738	17906	14.5	18	-F	C	1507	50	.7	E
HOLL	17	1510	1511	1521	S15	W43	.752	17906	14.4	11	-N	3 C		40		
608 HOLL	17	1547	1556	1556	N20	W36	.595	17899	15.0	9	-F	3 C		24		
GRP98609	17	1552	1603	1650	S13	W60	.894	17905	13.2	58	-N					K
			1638													
HOLL	17	1552	1603	1650	S13	W60	.894	17905	13.2	58	-N	3 C		40		K
HOLL	17	1552	1638	1650	S13	W60	.894	17905	13.2	58	-N	3 C		29		K
GRP98610	17	1611	1616	1703	S08	E19	.427	17923	19.1	52	1B					FU
HOLL	17	1611	1616	1703	S07	E18	.405	17923	19.0	52	1B	3 C		312		UF
RAMY	17	1612E		1620D	S10	E20	.152	17923	19.2	8D	1B	3 C				UF
611 HOLL	17	1625E	1631	1640	N23	W82	.983	17918	11.5	15D	?B	3 C				
			IMP.2	NO : BIGB												
612 HOLL	17	1719	1720	1740	S13	W43	.742	17906	14.5	21	-N	3 C		52		
613 HOLL	17	1741	1748	1902	S16	W42	.748	17906	14.6	81	?B	3 C		223		UF
			IMP.1	NO : BIGB												
614 HOLL	17	1818	1834	1905	S11	E20	.470	17923	19.3	47	?B	3 C		527		ZU
			IMP.2	NO : BIGB												
615 HOLL	17	1916	1916	1932	S20	W33	.687	17915	15.3	16	-F	3 C		20		
616 HOLL	17	1921	1928	1946	S12	E10	.391	17923	18.6	25	-N	3 C		72		

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617 HOLL	17	1923	1927	1933	S16	W38	.707	17906	15.0	10	-F	3	C		34		
618 HOLL	17	1927E	1928U	2004	S10	E26	.529	17923	19.8	37D	-F	*	C		72		
619 HOLL	17	1934E	1938	1948	S07	E33	.594	17926	20.3	14D	-F	3	C		42		
620 HOLL	17	1934	1944	2004	S16	W45	.777	17906	14.4	30	-N	3	C		58		
621 HOLL	17	1936	1944	1956	S19	W32	.669	17915	15.4	20	-N	3	C		42		
622 HOLL	17	1944	1948	1959	S16	W67	.944	17905	12.8	15	-N	3	C		15		
623 HOLL	17	2000	2007	2015	S14	W65	.930	17905	13.0	15	-F	3	C		13		
624 HOLL	17	2101E	2101U	2116D	S14	E13	.441	17923	18.9	15D	-F	3	C		35		
GRP98625	17	2307	2314 2345	2358D	S16	W47	.795	17906	14.4	51	-N						K
HOLL	17	2307	2314	2358D	S16	W47	.795	17906	14.4	51D	-N	3	C		73		K
HOLL	17	2307	2345	2358D	S16	W47	.795	17906	14.4	51D	-	3	C		52		K
626 HOLL	17	2314	2315	2329	S19	W35	.698	17915	15.3	15	-N	3	C		50		
627 HOLL	17	2331	2331	2341	S11	E17	.438	17923	19.3	10	-N	3	C		26		F
GRP98628	17	2334>9	2335 2344	0018	S07	E41	.692	17926	21.1	44	-N						EK
HOLL	17	2334	2335	2358D	S08	E41	.697	17926	21.1	24D	-N	3	C		50		K
HOLL	17	2334	2344	2358D	S08	E41	.697	17926	21.1	24D	-N	3	C		80		K
MITK	17	2355	2356	0018	S07	E42	.704	17926	21.1	23	1N		C	2356	190	2.7	E
629 HOLL	17	2343	2345	2354	S19	W36	.708	17915	15.3	11	-N	3	C		30		
630 MITK	18	0021	0023	0041D	S12	E18	.425	17923	19.4	20D	-N		C	0023			E
GRP98631	18	0205E	0209	0234D	S17	W41	.724	17915	15.0	29	1N						
MITK	18	0205E	0209	0234D	S17	W40	.714	17915	15.1	29D	1N		C	0209	180	2.6	E
MANI	18	0215E	0215U	0218D	S18	W42	.740	17915	14.9	3D	-F	1	V		30	.5	F
GRP98632	18	0234	0236+1	0304	S15	E09	.383	17923	18.8	30	-N						E
MITK	18	0234	0236	0248D	S15	E09	.383	17923	18.8	14D	1N		C	0236	190	2.1	E
PEKG	18	0235E	0237	0304	S16	E09	.397	17923	18.8	29D	-N		P	0237	38	.4	E
633 PEKG	18	0417E	0417	0418	S09	E40	.675	17930	21.2	1D	-F		P	0417	55	.5	D
634 PEKG	18	0455E	0457	0500	S19	W37	.695	17915	15.4	5D	-N		P	0457	126	1.8	E
GRP98635	18	0528E	0530+5	0538	S11	E15	.381	17923	19.4	10	-N						E
YUNN	18	0528E	0530	0540	S11	E15	.381	17923	19.4	12D	-N		P		64	.7	
ABST	18	0530E	0535	0536	S12	E15	.393	17923	19.4	6D	-N		P	0536	174	1.9	E
636 ABST	18	0533	0536	0542D	S19	W37	.695	17915	15.5	9D	-N		P	0536	131	1.8	E
GRP98637	18	0551+0	0552+0	0607	S14	E07	.356	17923	18.8	16	-N						DV
ABST	18	0551	0552	0610	S15	E08	.377	17923	18.8	19	-N		C	0552	87	.9	DV
YUNN	18	0551	0552	0603	S14	E07	.356	17923	18.8	12	-N		C		16	.2	D
638 ABST	18	0634	0638	0742D	N17	W45	.712	17899	14.9	68D	-F		P	0638	87	1.2	DK
GRP98639	18	0659+0	0700+1	0706D	S06	E04	.213	17923	18.6	7	-F				100	1.0	V
LEAR	18	0659	0701	0802	S06	E04	.213	17923	18.6	63	-F	3	C		66		F
ABST	18	0659	0700	0706	S06	E05	.220	17923	18.7	7	-N		C	0700	131	1.3	EV
640 LEAR	18	0703	0706	0731	S16	W56	.862	17906	14.1	28	-F	3	C		46		
GRP98641	18	0748+5	0748 0757+2	0830	S19	W38	.705	17915	15.5	42	-N				60	.8	F
MANI	18	0748E	0748U	0755D	S19	W37	.695	17915	15.5	7D	-F	1	V		20	.3	
KANZ	18	0751E	0759	0830	S20	W37	.701	17915	15.6	39D	-N	2					
ATHN	18	0753	0757	0823	S19	W39	.743	17915	15.4	30	-B	2	V	0757	80	1.2	
MANI	18	0757E	0758	0810D	S19	W38	.705	17915	15.5	13D	-F	1	V		50	.7	F
WEND	18	0806E	0810	0830	S19	W38	.705	17915	15.5	24D	-F		C	0810	56	.8	

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GRP98642	18	0838+3	0844+1	0850	S10	E14	.358	17923	19.4	12	-F					
WEND	18	0838	0844	0851	S10	E14	.358	17923	19.4	13	-F	C	0844	38	.5	
KANZ	18	0841	0845	0849	S10	E15	.369	17923	19.5	8	-F	2				
98643	18	0851+2	0853	0930	S09	E07	.280	17923	18.9	39	-F					F
			0912+2													
LEAR	18	0851	0853	0937	S09	E07	.280	17923	18.9	46	-F	3 C		97		F
WEND	18	0853	0914	0929	S10	E07	.295	17923	18.9	36	-F	C	0914	119	1.2	
KANZ	18	0853	0912	0930	S08	E08	.273	17923	19.0	37	-N	2				
644 KANZ	18	0853	0904	0912	S11	W37	.648	17909	15.6	19	-F	3				
GRP98645	18	0914+1	0919+3	0941	S05	W34	.582	17909	15.8	27	-F					
WEND	18	0914	0922	0939	S04	W35	.592	17909	15.8	25	-F	C	0922	44	.6	
KANZ	18	0915	0919	0942	S06	W33	.573	17909	15.9	27	-F	3				
GRP98646	18	0917+2	0918+1	0922	S13	E02	.322	17923	18.5	5	-N					
WEND	18	0917	0918	0922	S12	E01	.304	17923	18.5	5	-F	C	0918	50	.5	
KANZ	18	0919	0919	0922	S14	E04	.343	17923	18.7	3	-B	3				
647 CATA	18	1050	1050	1100	S11	W46	.751	17909	15.0	10	-	2 C	1050	112	1.8	
GRP98648	18	1103+2	1112	1334	S17	W52	.830	17906	14.6	151	2B			560	9.8	
			1122+3													
KANZ	18	1103	1154	1301D	S18	W51	.825	17906	14.6	118D	2B	3				
CATA	18	1105	1125	1145D	S18	W51	.795	17906	14.6	40D	2	2 P	1125	618	10.5	
ATHN	18	1106E	1112	1337	S18	W51	.825	17906	14.6	151D	2B	1 V	1112	477	8.4	
LVOV	18	1117	1122	1215	S16	W55	.853	17906	14.3	58	2N	C	1122	500	9.2	F
WEND	18	1121E		1138D	S17	W54	.848	17906	14.4	17D	2B	C	1138	525	9.6	
WEND	18	1232E		1358D	S15	W56	.859	17906	14.3	86D	1F	C	1232	250	4.7	E
KANZ	18	1319E		1331D	S20	W48	.806	17906	15.0	12D	1N	2				
649 CATA	18	1120	1130	1145D	S28	W35	.739		15.8	25D	?	2 P	1130	337	5.2	
			IMP.2 NO : KANZ LVOV WEND													
GRP98650	18	1222+2	1226+2	1301	S08	E36	.621	17930	21.2	39	-N					
			1238													
KANZ	18	1222	1226	1301	S07	E36	.617	17930	21.2	39	-N	3				
ATHN	18	1224	1228	1323	S08	E36	.621	17930	21.2	59	-B	1 V	1228	111	1.5	
WEND	18	1230E	1238	1259	S08	E33	.583	17930	21.0	29D	-F	C	1238	75	.9	
651 WEND	18	1230E	1244	1257	S19	W41	.735	17915	15.4	27D	-F	C	1244	56	.8	
	18	1401	1422	NO FLARE PATROL												
	18	1442	1444	NO FLARE PATROL												
	18	1446	1505	NO FLARE PATROL												
652 HOLL	18	1504E	1507U	1517D	S13	W02	.322	17923	18.5	13D	-N	3 C		89		
GRP98653	18	1533	1539	1826	S17	W59	.887	17906	14.2	173	-N					K
			1655													
HOLL	18	1533	1655	1826	S17	W59	.887	17906	14.2	173	-N	3 C		115		K
HOLL	18	1533	1539	1826	S17	W59	.887	17906	14.2	173	-N	3 C		91		K
654 HOLL	18	1536	1539	1555	S19	W45	.774	17915	15.3	19	-N	2 C		27		
GRP98655	18	1546	1608	1813	S04	E28	.494	17926	20.8	147	?N					FK
			1809													
HOLL	18	1546	1608	1813	S04	E28	.494	17926	20.8	147	?N	3 C		318		FK
			IMP.1 NO : BIGB PALE													
HOLL	18	1546	1809	1813	S04	E28	.494	17926	20.8	147	1N	3 C		204		K
656 HOLL	18	1653	1655	1703	S18	W43	.750	17915	15.5	10	-N	3 C		16		
GRP98657	18	1720>9	1730+0	1733D	S13	E03	.324	17923	18.9	13	-N					F
HOLL	18	1720	1730	1803	S13	E03	.324	17923	18.9	43	-B	3 C		150		F
PALE	18	1730	1730	1733	S13	E03	.324	17923	19.0	3	-F	3 C		32		
658 HOLL	18	1735	1735	1741	S19	W45	.774	17915	15.4	6	-F	3 C		28		
659 HOLL	18	1749	1754	1803	S18	W43	.750	17915	15.5	14	-F	3 C		33		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
660 HOLL	18	1812	1852	2006D	S11	E07	.310	17923	19.3	114D	?N	2	C		255		F
			IMP.1 NO : BIGB PALE														
661 HOLL	18	1814	1814	1903	S04	E27	.479	17926	20.8	49	-F	3	C		186		
GRP98662	19	0033+2	0037+1	0049	S15	W60	.890	17906	14.5	16	-N				80	1.7	E
MITK	19	0033	0038	0047	S15	W58	.875	17906	14.7	14	1N		C	0038	130	3.1	E
LEAR	19	0035	0037	0051	S15	W60	.890	17906	14.5	16	-N	3	C		55		
PURP	19	0035	0037	0038D	S15	W61	.898	17906	14.4	3D	-N		C	0037	55		E
GRP98663	19	0038+0	0040+1	0049	S20	W48	.806	17915	15.4	11	-F				50	.8	
LEAR	19	0038	0040	0049	S20	W48	.806	17915	15.4	11	-F	3	C		50		
CULG	19	0038E	0041U	0043D	S20	W49	.814	17915	15.4	5D	-N		P	0041	50	.9	
664 LEAR	19	0056	0058	0115	S19	W48	.801	17915	15.4	19	-N	3	C		61		
GRP98665	19	0155+0	0155+1	0204	S13	W02	.320	17923	18.9	9	-N						
MITK	19	0155	0156	0204	S13	W04	.326	17923	18.8	9	-N		C	0156			E
LEAR	19	0155	0155	0204	S13	W02	.320	17923	18.9	9	-F	3	C		39		F
CULG	19	0155E	0155U	0211	S13	W02	.320	17923	18.9	16D	-N		P	0155	100	1.1	
GRP98666	19	0231+1	0232+1	0312	S19	W52	.837	17915	15.2	41	1N				130	2.3	EJV
			0259+2														
CULG	19	0231	0232	0256	S18	W54	.850	17915	15.1	25	-B	*	C	0232	80	1.5	V
MITK	19	0232	0233	0302	S16	W55	.853	17915	15.0	30	1B		C	0233	180	3.5	E
PALE	19	0241E	0301	0306	S20	W50	.823	17915	15.4	25D	-F	*	C		101		E
CULG	19	0245	0259	0330	S20	W50	.823	17915	15.4	45	1N	*	C	0259	110	2.0	J
MITK	19	0258	0300	0312	S19	W50	.819	17915	15.4	14	1N	*	C	0300	170	3.1	
GRP98667	19	0241>9	0318+5	0420	S07	E27	.496	17926	21.1	99	2B				520	6.0	FJUV
CULG	19	0241	0319	0420	S06	E27	.490	17926	21.1	99	2B		C	0319	560	6.2	JV
MITK	19	0307	0318	0415	S07	E27	.496	17926	21.2	68	2B		C	0318	450	5.4	FU
LEAR	19	0319	0323	0425	S08	E27	.502	17926	21.2	66	2B	3	C		562		UF
668 CULG	19	0242	0252	0315	S15	E00	.352	17923	19.1	33	-F		C	0252	60	.7	
669 CULG	19	0300	0308	0430	N19	E24	.453	17936	20.9	90	-N		C	0308	50	.6	JT
670 CULG	19	0339	0341	0348	S08	W09	.280	17923	18.5	9	-F		C	0341	40	.4	
671 CULG	19	0359	0402	0412	S15	W05	.361	17923	18.8	13	-N		C	0402	30	.3	
672 CULG	19	0400	0421	0452	N05	E77	.973	17937	24.9	52	?F		C	0421	120		
			IMP.1 NO : MITK LEAR														
GRP98673	19	0425+4	0433+6	0518	S20	W51	.832	17915	15.4	53	-N				110	1.9	JK
CULG	19	0425	0433	0518	S20	W50	.823	17915	15.4	53	-N		C	0433	90	1.6	KJ
LEAR	19	0428	0439	0524	S20	W51	.832	17915	15.4	56	-N	3	C		99		
MITK	19	0429	0435	0457	S19	W52	.837	17915	15.3	28	1N		C	0435	130	2.5	
GRP98674	19	0434+5	0442+1	0510	S06	W06	.226	17923	18.7	36	-F				50	.5	F
CULG	19	0434	0443	0501	S04	W08	.216	17923	18.6	27	-F		C	0443	50	.5	
LEAR	19	0439	0442	0519	S09	W04	.261	17923	18.9	40	-F	3	C		45		F
675 CULG	19	0555	0600	0610	S19	W69	.952	17906	14.1	15	-F		C	0600	40		
GRP98676	19	0559+7	0600	0626	S12	W04	.309	17923	18.9	27	-F				110	1.2	FJ
			0606+2														
ABST	19	0559	0600	0604	S11	W04	.293	17923	18.9	5	-N		C	0600	70	.8	D
ABST	19	0603	0606	0612	S16	W06	.381	17923	18.8	9	-N		C	0606	87	1.0	DJ
LEAR	19	0606	0608	0639	S10	W04	.277	17923	19.0	33	-F	3	C		134		F
677 CULG	19	0613	0616	0619	S22	W70	.960	17906	14.0	6	-N		C	0616	30		
678 CULG	19	0614	0618	0629	S06	E26	.476	17926	21.2	15	-F		C	0618	30	.3	
GRP98679	19	0641>9	0654+5	0724	S08	E23	.449	17926	21.0	43	-F				80	.9	DJ
CULG	19	0641	0654	0723	S06	E26	.476	17926	21.2	42	-N	*	C	0654	80	.9	
ABST	19	0652	0659	0724	S10	E21	.440	17926	20.9	32	-F	*	C	0659	87	1.0	DJ
680 CULG	19	0644	0646	0648	S19	W62	.912	17906	14.6	4	-N		C	0646	20	.5	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
GRP98681	19	0654+2	0655+3	0745	S10	W02	.271	17923	19.1	51	-N				70	.7	JKV
CULG	19	0654	0655	0745	S10	W02	.271	17923	19.1	51	-N		C	0655	60	.6	DV
ABST	19	0655	0658	0746	S11	W01	.286	17923	19.2	51	-N		C	0657	87	.9	EJK
LEAR	19	0656	0656	0743	S09	W03	.257	17923	19.1	47	-N	3	C		62		F
YUNN	19	0722E		0724D	S11	W02	.287	17923	19.2	2D	-N		P	0722	32	.4	D
GRP98682	19	0733+3	0738+0	0746	S20	W59	.894	17906	14.9	13	-F				50	1.1	
CULG	19	0733	0738	0745	S20	W59	.894	17906	14.9	12	-F		C	0738	50	1.1	
LEAR	19	0736	0738	0746	S20	W59	.894	17906	14.9	10	-F	3	C		50		
683 ABST	19	0755E	0755	0808D	S24	W60	.910	17906	14.8	13D	-N		P	0755	87	2.0	DJ
684 KANZ	19	0928	0942	0957	S20	W53	.848	17915	15.4	29	-F	3					
685 LEAR	19	0932	0933	0942	S19	W69	.952	17906	14.2	10	-F	3	C		37		
GRP98686	19	1005	1015 1028	1059	S09	E21	.431	17926	21.0	54	-N						
KANZ	19	1005		1019D	S09	E20	.418	17926	20.9	14D	-N	2					
CATA	19	1010E	1015	1045D	S11	E21	.449	17926	21.0	35D	-	2	P	1015	169	1.9	
ATHN	19	1024	1028	1059	S09	E22	.444	17926	21.1	35	-B	2	V	1028	127	1.4	
KANZ	19	1038E		1050D	S10	E20	.427	17926	20.9	12D	-N	2					
687 KANZ	19	1015		1019D	S21	W70	.959	17906	14.2	4D	-N	2					
GRP98688	19	1019+1	1020	1030	S14	W08	.360	17923	18.8	11	1N						
KANZ	19	1019		1019D	S14	W08	.360	17923	18.8		-N	2					
CATA	19	1020	1020	1030	S15	W08	.375	17923	18.8	10	1	2	C	1020	197	2.2	
689 CATA	19	1210	1215	1225	S17	W61	.901	17906	14.9	15	-	2	C	1215	56	1.3	
GRP98690	19	1318+1	1319+2	1334	N19	E19	.389	17936	21.0	16	-N						
ATHN	19	1318	1321	1332	N20	E20	.410	17936	21.1	14	-N	2	V	1321	95	1.1	
KANZ	19	1319	1319	1335	N18	E19	.380	17936	21.0	16	-N	3					
691 KANZ	19	1331	1335	1343	S23	W57	.887	17915	15.3	12	-F	3					
	19	1447	1510	NO FLARE PATROL													
692 HOLL	19	2145	2151	2246	N18	E16	.341	17936	21.1	61	-F	3	C		36		
693 HOLL	19	2230	2231	2247	S22	W79	.990	17906	14.0	17	-F	3	C				
GRP98694	19	2323+4	2327+0	2347	S13	W14	.394	17923	18.9	24	-N						F
HOLL	19	2323	2327	2347D	S13	W14	.394	17923	18.9	24D	-N	3	C		69		F
LEAR	19	2327	2327	2330	S13	W14	.394	17923	18.9	3	-F	3	C		22		F
CULG	19	2335E	2335U	2352	S12	W15	.392	17923	18.9	17D	-N		C	2335	60	.7	
695 CULG	20	0014	0020	0030	S14	E44	.741	17938	23.3	16	-F		C	0020	40	.6	G
696 CULG	20	0054	0117	0150	N06	E64	.896	17937	24.8	56	-F		C	0117	60	1.3	
GRP98697	20	0122+1	0123+3	0140	S14	W18	.445	17923	18.7	18	-N				120	1.3	F
CULG	20	0100	0105	0139	S14	W11	.380	17923	19.2	39	-N		C	0105	30	.3	
CULG	20	0121	0123	0140	S14	W20	.467	17923	18.6	19	-N		C	0123	90	1.0	
LEAR	20	0122	0125	0139	S14	W18	.445	17923	18.7	17	-N	3	C		147		F
VORO	20	0123	0126	0140	S14	W20	.467	17923	18.6	17	-N		C	0126	125	1.4	
GRP98698	20	0144+6	0151+1 0159	0219	S06	W19	.378	17923	18.6	35	-N				120	1.3	IK
CULG	20	0144	0151	0232	S07	W19	.386	17923	18.6	48	-N		C	0151	150	1.7	IF
YUNN	20	0148	0152	0202	S05	W20	.384	17923	18.6	14	-N		C	0152	64	.7	E
LEAR	20	0148	0151	0230D	S07	W18	.373	17923	18.7	42D	-N	3	C		115		F
VORO	20	0150	0159	0208	S04	W22	.406	17923	18.4	18	-F		C	0159	99	1.1	EK
699 YUNN	20	0236E	0240	0244	N19	E13	.318	17936	21.1	8D	-N		P		64	.7	E
700 CULG	20	0302	0309	0318	S18	W81	.993	17906	14.1	16	-F		C	0309	40		

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98701	20	0314+2	0319+4	0402D	S10	E10	.316	17926	20.9	48	1B						F
CULG	20	0314	0323	0435	S10	E10	.316	17926	20.9	81	2B		C	0323	480	5.3	F
MITK	20	0314	0319	0345D	S11	E10	.330	17926	20.9	31D	1N		C	0319	290	3.2	E
YUNN	20	0316	0323	0402	S10	E10	.316	17926	20.9	46	-B		C	0323	161	1.8	F
702 CULG	20	0404	0417	0442	N19	E11	.296	17936	21.0	38	-N		C	0417	80	.8	J
703 CULG	20	0422	0429	0443	S07	W20	.400	17923	18.7	21	-N		C	0429	110	1.2	IF
704 CULG	20	0428	0432	0441	S15	W84	.997	17906	13.9	13	-F		C	0432	30		
705 CULG	20	0435	0439	0455	N07	E63	.888	17937	24.9	20	-F		C	0439	40	.9	
706 LEAR	20	0455	0459	0520	S14	W21	.478	17923	18.6	25	-F	3	C		77		
707 CULG	20	0458	0504	0516	N16	W70	.935	17899	15.0	18	-F		C	0504	40		
708 ABST	20	0503E	0504	0617	S08	E09	.279	17926	20.9	74D	-N		P	0504	87	.9	D
GRP98709	20	0525	0529+6	0550	N17	E12	.283	17936	21.1	25	-F				70	.7	D
CULG	20	0525	0529	0552	N18	E12	.295	17936	21.1	27	-N		C	0529	50	.5	
ABST	20	0532E	0535	0548	N17	E13	.295	17936	21.2	16D	-F		P	0535	87	.9	D
710 CULG	20	0603	0613	0630	S13	W22	.479	17923	18.6	27	-F		C	0613	70	.8	J
711 ABST	20	0650	0652	0705	S27	E77	.988	17945	26.1	15	?F		C	0652	87		D
			IMP.1 NO : CULG LEAR YUNN														
GRP98712	20	0656+2	0658+1	0708	N18	W70	.935	17899	15.0	12	-F				60		
ABST	20	0656	0659	0708	N18	W70	.935	17899	15.0	12	1N		C	0659	87		D
CULG	20	0656	0658	0707	N18	W70	.935	17899	15.0	11	-F		C	0658	60		
LEAR	20	0658	0659	0712	N18	W67	.917	17899	15.3	14	-F	3	C		40		F
GRP98713	20	0713+2	0717+3 0730+3	0739	S08	E04	.243	17926	20.6	26	-N				130	1.3	F
CULG	20	0713	0720U	0748D	S08	E06	.255	17926	20.8	35D	-N		P	0720	160	1.6	F
LEAR	20	0714	0733	0743	S08	E04	.243	17926	20.6	29	-F	3	C		116		F
ABST	20	0715	0717	0725	S09	E02	.253	17926	20.5	10	-F		C	0717	87	.9	D
ABST	20	0719	0721	0722	S03	E07	.191	17926	20.8	3	-N		C	0721	87	.9	D
CATA	20	0725	0730	0735D	S08	E03	.239	17926	20.5	10D	-	2	P	0730	140	1.5	
714 ABST	20	0717	0721	0735	S19	W63	.918	17915	15.6	18	?N		C	0721	114		DJ
			IMP.1 NO : CULG LEAR CATA														
GRP98715	20	0731+3	0736+2	0745	N17	W71	.941	17899	15.0	14	-N				60		DJ
CULG	20	0731	0736U	0741D	N16	W70	.935	17899	15.1	10D	-N		P	0736	40		
ABST	20	0734	0738	0745	N16	W74	.957	17899	14.8	11	1N		C	0738	87		DJ
ATHN	20	0734	0737	0753	N18	W73	.952	17899	14.8	19	-B	2	V	0737	80		
LEAR	20	0734	0738	0742	N18	W68	.923	17899	15.2	8	-F	3	C		29		
716 ABST	20	0739	0742	0746	S14	W90	1.000	17906	13.6	7	?N		C	0742	87		ADJ
			IMP.1 NO : CULG LEAR														
717 WEND	20	0807	0809	0821	N16	W76	.966	17899	14.6	14	-F		C	0809	37		
GRP98718	20	0820	0826+1	0831	S14	W24	.512	17923	18.5	11	-F						
WEND	20	0820	0826	0830	S14	W25	.523	17923	18.5	10	-F		C	0826	63	.7	
KANZ	20	0823E	0827	0831	S14	W23	.500	17923	18.6	8D	-N	1					
GRP98719	20	0904+1	0904+1	0909	S04	W25	.450	17923	18.5	5	-N						
KANZ	20	0904	0904	0907	S04	W24	.435	17923	18.6	3	-N	1					
CATA	20	0905	0905	0910	S04	W26	.464	17923	18.4	5	-	2	C	0905	45	.5	
720 HTPR	20	1000E		1115	S14	W25	.523	17923	18.5	75D	-F		C	1034	30	.3	
GRP98721	20	1130+5	1137+3 1206+2	1218	S14	W25	.523	17923	18.6	48	-N						E
CATA	20	1130	1140	1215	S15	W25	.532	17923	18.6	45	1	2	C	1140	225	2.7	
WEND	20	1133	1137	1152	S14	W27	.547	17923	18.5	19	-F		C	1137	50	.6	
HTPR	20	1135	1206	1220	S14	W25	.523	17923	18.6	45	-B		C	1206	70	.7	E
KANZ	20	1203	1207	1218	S15	W25	.532	17923	18.6	15	-N	1					
WEND	20	1204	1208	1218	S14	W27	.547	17923	18.5	14	-F		C	1208	44	.5	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
722 HTPR	20	1229	1229	1238	S15	W22	.499	17923	18.9	9	-N		C	1229	40	.4	E
GRP98723	20	1241+4	1243+1	1252	S14	W21	.478	17923	19.0	11	-N				70	.8	E
HTPR	20	1241	1244	1253	S14	W21	.478	17923	19.0	12	-B		C	1244	70	.7	E
WEND	20	1241	1243	1250	S13	W21	.468	17923	19.0	9	-F		C	1243	56	.6	
CATA	20	1245	1245	1245D	S14	W21	.478	17923	19.0		-	2	P	1245	169	2.0	
GRP98724	20	1340+3	1351+0	1406	S04	W24	.435	17923	18.8	26	-F				45	.5	E
HTPR	20	1340	1351	1411	S05	W23	.427	17923	18.8	31	-N		C	1351	60	.6	E
WEND	20	1343	1351	1400	S04	W25	.450	17923	18.7	17	-F		C	1351	31	.4	
725 WEND	20	1347	1351	1408	S20	W80	.992	17906	14.6	21	-F		C	1351	56		A
726 HTPR	20	1404	1408	1437	S09	E22	.443	17930	22.2	33	-N		C	1408	80	.8	E
GRP98727	20	1422>9	1449+2	1527	S14	W27	.547	17923	18.6	65	1N				260	3.1	E
			1525														
HTPR	20	1422	1525	1531	S15	W25	.532	17923	18.7	69	-N	*	C	1525	40	.4	E
HTPR	20	1432		1446D	S15	W26	.544	17923	18.7	14D	-F	*	C	1442	60	.7	
HOLL	20	1439	1449	1527	S14	W27	.547	17923	18.6	48	1B	*	C		343		
KANZ	20	1441E	1450	1450D	S14	W27	.547	17923	18.6	9D	1B	*					
WEND	20	1447	1451	1504	S13	W28	.551	17923	18.5	17	1N	*	C	1451	175	2.1	
728 HTPR	20	1437		1446D	S05	E04	.195	17926	20.9	9D	-F		C	1438	80	.8	E
729 WEND	20	1510	1528	1533D	S11	E04	.292	17926	20.9	23D	?F		C	1528	181	2.2	
			IMP.1	NO : BIGB													
730 HOLL	20	1534	1536	1545	S12	W27	.531	17923	18.6	11	-F	3	C		25		F
	20	1942	2008	NO FLARE PATROL													
	20	2027	2133	NO FLARE PATROL													
GRP98731	20	2115	2125	2203	S10	W01	.268	17926	20.8	48	-N						F
HOLL	20	2115	2125	2200	S11	W01	.285	17926	20.8	45	-N	3	C		175		F
CULG	20	2134E	2134U	2205D	S10	W02	.269	17926	20.7	31D	1N		P	2134	210	2.1	F
732 HOLL	20	2131	2138	2208	S13	W28	.551	17923	18.8	37	-F	3	C		41		
733 CULG	20	2238	2242	2250	S16	W21	.499	17923	19.4	12	-F		C	2242	40	.5	
GRP98734	20	2302+7	2321+1	2346	S14	W28	.558	17923	18.9	44	-N				90	1.1	F
			2328														
HOLL	20	2302	2322	2344	S14	W29	.570	17923	18.8	42	-B	3	C		98		F
LEAR	20	2306	2328	2347	S13	W28	.551	17923	18.9	41	-N	3	C		165		F
CULG	20	2309	2321	2331D	S15	W28	.566	17923	18.9	22D	-N		P	2321	80	1.0	
GRP98735	21	0003+0	0021+4	0130	S03	W01	.147	17926	20.9	87	1N				250	2.5	F
			0049														
LEAR	21	0003	0025	0140	S05	W01	.182	17926	20.9	97	1N	3	C		274		F
CULG	21	0003	0021	0130	S03	W01	.147	17926	20.9	87	1B		C	0021	240	2.4	
YUNN	21	0046E	0049	0106	S03	W02	.150	17926	20.9	20D	1N		P		241	2.5	
736 CULG	21	0004	0012	0047	N08	E04	.083		21.3	43	-F		C	0012	30	.3	
GRP98737	21	0011>9	0011	0054	S15	W28	.566	17923	18.9	43	-F						
			0040														
LEAR	21	0011	0011	0040	S14	W28	.558	17923	18.9	29	-F	3	C		29		F
CULG	21	0033	0040	0107U	S16	W28	.574	17923	18.9	34D	-N		P	0040	90	1.1	E
738 CULG	21	0039E	0039U	0047	N19	E88	.998	17946	27.6	8D	-F		P	0039	40		
739 CULG	21	0247E	0247U	0254D	N10	E55	.816	17937	25.2	7D	-F		P	0247	70	1.2	
740 CULG	21	0259	0301U	0301D	S06	E47	.747	17939	24.6	2D	-F		P	0301	60	.9	
741 CULG	21	0350	0355	0409	S14	W22	.488	17923	19.5	19	-B		C	0355	50	.6	D
742 LEAR	21	0418	0419	0425	S14	W31	.593	17923	18.9	7	-F	3	C		26		F

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Measurement Corr (Sq Deg)	Remarks
GRP98743	21	0429+9	0433+8	0448	S14	W35	.640	17923	18.6	19	-N				70	.9	E
CULG	21	0429	0438	0501	S15	W32	.612	17923	18.8	32	-N		C	0438	80	1.0	
LEAR	21	0432	0433	0449	S14	W35	.640	17923	18.6	17	-N	3	C		84		F
YUNN	21	0434	0439	0446	S14	W36	.652	17923	18.5	12	-N		C		64	.9	T
PEKG	21	0435E	0441	0448	S13	W35	.634	17923	18.6	13D	-N		P	0441	84	1.1	E
PURP	21	0438	0439	0442	S11	W34	.610	17923	18.6	4	-N		C	0439	62	.8	E
GRP98744	21	0539+5	0549+1	0637	S14	W32	.605	17923	18.8	58	1N				250	3.1	EJK
			0620+3														
LEAR	21	0539	0549	0558	S14	W32	.605	17923	18.8	19	-N	3	C		127		F
YUNN	21	0544	0550	0634	S15	W33	.623	17923	18.8	40	-N		C		48	.6	ET
YUNN	21	0544	0620	0634	S14	W33	.617	17923	18.8	48	1N		C		321	4.2	EKT
LEAR	21	0614	0621	0623D	S14	W32	.605	17923	18.9	9D	-B	3	C		160		FE
ABST	21	0618	0623	0637	S15	W34	.635	17923	18.7	19	1N		C	0623	262	3.4	EJ
PEKG	21	0630E	0631	0640	S14	W32	.605	17923	18.9	10D	-N		P	0631	84	1.1	E
GRP98745	21	0638+0	0642+4	0720	S13	W31	.586	17923	19.0	42	-N				100	1.2	EJ
			0657+5														
ABST	21	0638	0646	0724	S13	W33	.610	17923	18.8	46	-F		C	0646	131	1.7	EJ
YUNN	21	0638	0642	0650	S13	W33	.610	17923	18.8	12	-N		C		96	1.2	ET
CULG	21	0641E	0642U	0656D	S14	W31	.593	17923	19.0	15D	-N		P	0642	70	.9	F
ABST	21	0654	0657	0724	S08	W30	.542	17923	19.0	30	-F		C	0657	87	1.1	EJ
YUNN	21	0700	0702	0716	S14	W33	.617	17923	18.8	16	1N		C		321	4.2	T
GRP98746	21	0736+2	0739+4	0800	S13	W36	.646	17923	18.6	24	1N				200	2.6	EJ
			0756														
ABST	21	0736	0739	0752D	S15	W37	.669	17923	18.5	16D	1N		P	0739	279	3.8	EJ
LEAR	21	0738	0742	0742D	S13	W36	.646	17923	18.6	4D	-N	3	C		167		
YUNN	21	0738	0743	0756	S13	W37	.658	17923	18.5	18	1N		C		161	2.2	T
YUNN	21	0753	0756	0800	S11	W31	.573	17923	19.0	7	-N		C		32	.4	T
98747	21	0739+3	0742+6	0757	S22	W40	.741	17916	18.3	18	-N				80	1.2	D
ABST	21	0739	0742	0752D	S23	W40	.747	17916	18.3	13D	-N		P	0742	87	1.3	D
PEKG	21	0742	0745	0757	S21	W42	.754	17916	18.2	15	-N		P	0745	46	.7	D
ABST	21	0745	0748	0751D	S23	W36	.710	17916	18.6	6D	-F		P	0748	87	1.2	D
748 LEAR	21	0818	0824	0830	S14	W35	.640	17923	18.7	12	-F	3	C		89		F
749 YUNN	21	0840E	0844	0852	S15	W35	.646	17923	18.7	12D	-N		P		113	1.5	T
	21	0947	1006	NO FLARE PATROL													
750 HTPR	21	1017		1020D	S13	W40	.692	17923	18.4	3D	-N		C	1019	70.	.9	E
	21	1021	1119	NO FLARE PATROL													
	21	1131	1224	NO FLARE PATROL													
	21	1241	1251	NO FLARE PATROL													
751 RAMY	21	1253	1310	1544	S12	W35	.628	17923	18.9	171	-N	3	C		167		
	21	1317	1350	NO FLARE PATROL													
752 HTPR	21	1351E		1402D	S12	W08	.328	17926	21.0	11D	1B		C	1355	450	4.5	EIU
	21	1403	1419	NO FLARE PATROL													
	21	1433	1509	NO FLARE PATROL													
753 RAMY	21	1854	1855	1908D	S03	W13	.267	17926	20.8	14D	-B	3	C		120		
	21	2117	2135	NO FLARE PATROL													
754 LEAR	21	2307E	2312U	2336	S08	W37	.633	17923	19.2	29D	?B	3	C		340		FE
			IMP.1 NO : BIGB														
755 ABST	22	0503E	0506	0512D	S06	W46	.735	17923	18.8	9D	-F		C	0506	87	1.3	D
756 ABST	22	0504	0506	0512	N14	E69	.930	17946	27.4	8	-F		C	0506	87		D
757 ABST	22	0549	0559	0605D	N14	E69	.930	17946	27.4	16D	-N		C	0559	87		DK

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GRP98758	22	0639	0641+5	0700	S12	W46	.754	17923	18.8	21	1N			150	2.3	EK
ABST	22	0639	0641	0700	S14	W47	.732	17923	18.8	21	1B	C	0641	174	2.8	EK
PEKG	22	0643E	0643	0650D	S12	W46	.754	17923	18.8	7D	-F	P	0643	126	2.0	E
ATHN	22	0644E	0646	0654	S11	W40	.682	17923	19.3	10D	-B	3 V	0646	127	1.8	
YUNN	22	0649E		0704	S13	W46	.757	17923	18.8	15D	1B	P	0649	161	2.6	E
759 HTPR	22	0910	0913	0924	S10	W48	.768	17923	18.8	14	-F	C	0913	20	.3	
760 HTPR	22	1105	1108	1116	S12	W22	.468	17926	20.8	11	-N	C	1108	30	.3	E
GRP98761	22	1217	1225+0	1234	S14	W54	.838	17923	18.5	17	-N			80	1.4	E
HTPR	22	1217	1225	1233	S14	W54	.838	17923	18.5	16	-N	C	1225	60	1.0	E
CATA	22	1225E	1225	1235D	S14	W54	.838	17923	18.5	10D	1	2 P	1225	112	2.1	
762 HTPR	22	1304	1305	1316	S15	W28	.565	17926	20.4	12	-B	C	1305	110	1.2	E
GRP98763	22	1402+1	1404+1	1414	S10	W25	.489	17926	20.7	12	-F			60	.7	E
HTPR	22	1402	1404	1410	S11	W25	.496	17926	20.7	8	-F	C	1404	60	.7	E
RAMY	22	1403	1405	1417	S10	W25	.489	17926	20.7	14	-N	3 C		60		
764 RAMY	22	1428	1437	1459	S27	E41	.779	17945	25.7	31	-F	3 C		39		
GRP98765	22	1453	1454	1527	S10	W49	.779	17923	18.9	34	-N					
HTPR	22	1453	1454	1522	S10	W51	.799	17923	18.8	29	-N	C	1454	70	1.1	E
HOLL	22	1502E	1502	1531	S10	W48	.768	17923	19.0	29D	-N	3 C		125		F
766 HOLL	22	1552	1558	1601	S10	W51	.799	17923	18.8	9	-F	3 C		24		
GRP98767	22	1630+1	1631+1	1707	S04	W28	.492	17926	20.6	37	-F			45	.5	
RAMY	22	1630	1631	1706	S05	W27	.483	17926	20.7	36	-N	3 C		56		
HOLL	22	1631	1632	1708D	S03	W30	.517	17926	20.4	37D	-F	3 C		33		
768 HOLL	22	1718	1734	1754	S10	W50	.789	17923	19.0	36	-N	3 C		95		
GRP98769	22	1928+4	1928+4	1945	S14	W49	.791	17923	19.1	17	-F					F
HOLL	22	1928	1928	1950	S14	W50	.801	17923	19.1	22	-N	3 C		55		F
PALE	22	1932	1932	1940	S14	W49	.791	17923	19.1	8	-F	3 C		20		F
770 HOLL	22	2028	2028	2052	S14	W50	.801	17923	19.1	24	-N	3 C		66		F
771 HOLL	22	2146	2153	2201	N09	W52	.785	17951	19.0	15	-F	3 C		20		
GRP98772	22	2250E	2253 2308	2339D	S16	E57	.869	17949	27.2	49	1B					EU
HOLL	22	2250E	2253	2339D	S16	E57	.869	17949	27.2	49D	1B	3 C		250		U
PALE	22	2306E	2308U	2318D	S16	E57	.869	17949	27.2	12D	-B	2 C		16		UE
773 PEKG	23	0031E	0032	0034	S15	W58	.874	17923	18.7	3D	-F	P	0032	25	.5	D
GRP98774	23	0105	0107+0	0115	N10	W51	.774	17951	19.2	10	-N					E
PURP	23	0105	0107	0115	N09	W52	.785	17951	19.1	10	1N	C	0107	193	3.3	
PEKG	23	0107E	0107	0114	N11	W51	.774	17951	19.2	7D	-N	P	0107	29	.5	E
775 PEKG	23	0116E	0118	0130	S05	W28	.497	17926	21.0	14D	-F	C	0118	84	1.0	E
776 PEKG	23	0239	0242	0250	S13	W54	.835	17923	19.1	11	-N	C	0242	67	1.2	F
	23	0544	0549	NO FLARE PATROL												
777 ABST	23	0623	0625	0633	N10	W56	.826	17951	19.1	10	-F	C	0625	87	1.7	E
GRP98778	23	1203	1210	1302	S11	E51	.802	17948	27.3	59	-N					E
HTPR	23	1203	1210	1310	S10	E51	.799	17948	27.3	67	-N	C	1210	80	1.2	E
WEND	23	1219E		1253	S12	E52	.814	17948	27.4	34D	1N	C	1219	144	2.4	
779 WEND	23	1235	1236	1255D	S11	W58	.866	17923	19.2	20D	-N	C	1236	41	.8	
780 HTPR	23	1236	1237	1304	S11	W37	.646	17926	20.7	28	-B	C	1237	30	.4	E
781 HTPR	23	1345	1349	1352	N19	W38	.636	17936	20.7	7	-B	C	1349	40	.5	E

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782 HOLL	23	2211	2214	2227	N20	W41	.675	17925	20.8	16	-F	3	C		23		
	23	2348	0000	NO FLARE PATROL													
	24	0000	0042	NO FLARE PATROL													
783 PEKG	24	0259E	0259	0308	N21	W47	.746	17936	20.6	9D	-F		C	0259	29	.4	E
GRP98784	24	0302	0312	0333	S31	E41	.802	17950	27.2	31	1N						E
PURP	24	0302	0312	0323	S31	E38	.780	17950	27.0	21	1N		C	0312	131	2.3	E
CULG	24	0321E	0321U	0342	S32	E45	.835	17950	27.5	21D	-N		P	0321	60	1.1	
785 CULG	24	0321E	0324	0416	S06	W04	.205	17939	23.8	55D	-F		P	0324	40	.4	
786 CULG	24	0402	0413U	0418D	N20	W49	.764	17936	20.5	16D	-F		P	0413	40	.6	
787 CULG	24	0507	0516	0526D	N20	W50	.775	17936	20.5	19D	-F		P	0516	90	1.4	
GRP98788	24	0540+6	0547+1	0603	S10	W47	.757	17926	20.7	23	1N						
CULG	24	0540	0547	0603	S11	W47	.760	17926	20.7	23	-N		C	0547	100	1.5	
YUNN	24	0546D	0548	0554	S10	W48	.768	17926	20.6	8D	1F		P	0548	129	2.1	E
LEAR	24	0546	0548	0603	S09	W46	.743	17926	20.8	17	1N	3	C		172		F
789 ABST	24	0627	0642	0655	N20	W50	.775	17936	20.5	28	?N		C	0642	174	2.7	EJ
			IMP.1	NO : LEAR PURP CULG YUNN													
790 ABST	24	0634	0637	0645	N07	W74	.959	17951	18.7	11	?F		C	0637	87		D
			IMP.1	NO : LEAR PURP CULG YUNN													
791 ABST	24	0712	0716	0748	N20	W50	.775	17936	20.5	36	?N		C	0716	174	2.7	EJ
			IMP.1	NO : LEAR PURP CULG YUNN CATA													
792 ABST	24	0736	0738	0745	S05	W06	.204	17939	23.9	9	-F		C	0738	87	.9	D
793 YUNN	24	0755	0757	0803	N21	W50	.777	17936	20.6	8	-N		C		64	1.0	E
GRP98794	24	0825+2	0828+2	0835	N20	W48	.754	17936	20.8	10	-N				45	.7	
PEKG	24	0825	0830	0835	N21	W48	.756	17936	20.8	10	-N		P	0830	42	.6	D
YUNN	24	0827	0828	0835	N20	W49	.764	17936	20.7	8	-N		C		48	.8	E
795 KHAR	24	1000E	1002	1010D	N07	E90	1.000	17956	31.2	10D	-F		P	1002			H
796 KHAR	24	1048E	1049	1100D	N07	E90	1.000	17956	31.2	12D	-F		V	1049			H
797 RAMY	24	1255	1338	1559	N19	W50	.773	17936	20.8	184	-N	3	C		81		
	24	1301	1307	NO FLARE PATROL													
GRP98798	24	1441+3	1447+1	1520	S13	W42	.713	17930	21.5	39	-F				50	.7	
RAMY	24	1441	1448	1524	S18	W42	.737	17930	21.5	43	-N	3	C		59		
HOLL	24	1444	1447	1515	S09	W43	.709	17930	21.4	31	-F	3	C		40		
799 HOLL	24	1642	1644	1655	S12	W77	.980	17923	18.9	13	-F	3	C		27		
800 HOLL	24	1848	1848	1856	N20	W54	.814	17936	20.7	8	-F	3	C		20		
	24	1908	1915	NO FLARE PATROL													
801 HOLL	24	2106	2106	2118	N20	W55	.823	17936	20.8	12	-F	3	C		17		
802 CULG	24	2148	2154	2204	N16	E25	.451	17946	26.8	16	-N		C	2154	80	.9	
	24	2228	2230	NO FLARE PATROL													
GRP98803	24	2325+9	2344	0053	S10	W56	.846	17926	20.8	88	1B						JKU
			2353														
PEKG	25	0014E	0015	0045	S09	W56	.844	17926	20.8	31D	-B		P	0015	92	1.8	E
CULG	24	2325	2344	0100	S11	W57	.857	17926	20.7	95	1B		C	2344	160	3.0	
LEAR	24	2333	2353	0145	S11	W55	.839	17926	20.9	132	1B	3	C		250		UF
VORO	24	2334	2405	0042	S10	W58	.864	17926	20.6	68	2B		C	2405	430	8.3	JK
804 CULG	24	2334	2344	0002	S28	E10	.567	17945	25.7	28	-F		C	2344	70	.8	

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98805	25	0012	0015+1	0026	S05	W16	.324	17939	23.8	14	-N				50	.5	D
CULG	25	0012	0016	0032	S06	W16	.333	17939	23.8	20	-N		C	0016	70	.8	
PEKG	25	0015E	0015	0020	S05	W16	.324	17939	23.8	5D	-N		P	0015	25	.3	D
806 CULG	25	0054	0057	0115	S19	E04	.413		25.3	21	-F		C	0057	50	.6	
807 CULG	25	0127	0131	0146	S28	E35	.734	17950	27.7	19	-F		C	0131	50	.8	
808 CULG	25	0147	0152	0206	S17	W01	.376		25.0	19	-F		C	0152	90	1.0	
809 PEKG	25	0252E	0253	0258	S15	W95	1.006	17923	18.0	6D	-N		C	0253	8		AD
GRP98810	25	0320+5	0322+4	0349	S06	W17	.346	17939	23.9	29	-F						DJK
CULG	25	0320	0322	0423	S06	W17	.346	17939	23.9	63	-N		C	0322	120	1.3	JKT
LEAR	25	0325	0326	0334	S06	W17	.346	17939	23.9	9	-F	3	C		32		
PEKG	25	0345E	0345	0349	S06	W19	.374	17939	23.7	4D	-F		C	0345	29	.3	D
811 CULG	25	0333	0337	0345	N17	E21	.403	17946	26.7	12	-F		C	0337	60	.7	
812 ABST	25	0536	0538	0550	S05	W23	.424	17939	23.5	14	-N		C	0538	174	1.9	EK
813 CULG	25	0611	0620	0638	S08	W62	.893	17926	20.6	27	-F		C	0620	40	.9	
GRP98814	25	0720+8	0725+5 0737	0758	S25	E05	.507	17945	25.7	38	-N						J
CULG	25	0700	0737U	0755D	S26	E06	.524	17945	25.7	55D	-N		P	0737	80	.8	E
ABST	25	0720	0729	0800	S25	E04	.505	17945	25.6	40	1N		C	0729	218	2.6	FJ
CATA	25	0725	0725	0800	S25	E05	.507	17945	25.7	35	-	2	C	0725	140	1.7	
YUNN	25	0728	0730	0744	S24	E07	.498	17945	25.8	16	-F		C		16	.2	
GRP98815	25	0850+1	0854+1	0904	S06	W61	.882	17926	20.8	14	-F						
KANZ	25	0850	0854	0902	S08	W63	.900	17926	20.6	12	-N	2					
WEND	25	0851	0855	0906D	S05	W60	.873	17926	20.9	15D	-F		C	0855	25	.5	
GRP98816	25	1024>9	1028 1040	1055	N12	E20	.357	17946	26.9	31	-N						
KANZ	25	1024E	1028	1055	N13	E20	.363	17946	26.9	31D	-N	1					B
CATA	25	1040	1040	1055	N12	E20	.357	17946	26.9	15	-	2	C	1040	45	.5	
817 RAMY	25	1314	1320	1411	S25	W01	.501	17945	25.5	57	-F	3	C		149		
818 HOLL	25	1703	1713	1720	S06	W25	.459	17939	23.8	17	-F	3	C		19		
819 HOLL	25	1707	1712	1734	N17	W65	.904	17936	20.8	27	-N	3	C		38		F
820 CULG	25	2156	2159	2207	N21	W74	.958	17936	20.4	11	-F		C	2159	20		
821 CULG	26	0542	0543	0602	S18	E14	.451	17949	27.3	20	-F		C	0543	40	.4	
822 CULG	26	0642	0643	0647	N11	E70	.936	17955	31.5	5	-F		C	0643	60		V
	26	0957	1005	NO FLARE PATROL													
	26	1149	1152	NO FLARE PATROL													
GRP98823	26	1726	1728 1738+2	1754	N16	E07	.225	17946	27.3	28	-F						K
HOLL	26	1726	1738	1754	N16	E08	.234	17946	27.3	28	-N	3	C		118		FK
HOLL	26	1726	1728	1754	N16	E08	.234	17946	27.3	28	-F	3	C		40		K
PALE	26	1735E	1740U	1748D	N16	E07	.225	17946	27.3	13D	-F	2	C		30		E
824 CULG	27	0125D	0132	0154	S00	W61	.876		22.5	29D	-F		P	0132	20	.4	
GRP98825	27	0323+6	0331+1	0338	S06	W44	.710	17939	23.8	15	-N				70	1.0	F
CULG	27	0323	0331U	0338	S07	W44	.713	17939	23.8	15	-B		P	0331	80	1.1	F
LEAR	27	0328	0331	0341	S06	W43	.698	17939	23.9	13	-F	3	C		69		F
YUNN	27	0329	0332	0335	S06	W44	.710	17939	23.8	6	-N		C		48	.7	E
826 LEAR	27	0406	0406	0413	S23	W21	.568	17945	25.6	7	-F	3	C		35		H
827 CULG	27	0438D	0447U	0513D	N07	E26	.437	17954	29.1	35D	?F		P	0447	180	2.0	IKF

IMP.1 NO : LEAR PURP

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Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs	Type	Area Time (UT)	Measurement Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98828	27	0447+6	0454+1	0508	N20	E87	.997	17963	2.7	21	-F						
CULG	27	0447E	0454U	0513D	N22	E87	.997	17963	2.7	26D	-F		P	0454	40		
LEAR	27	0453	0455	0503	N18	E88	.998	17963	2.8	10	-F	3	C				
829 CULG	27	0447E	0451U	0513D	N12	E61	.872	17955	31.8	26D	-F		P	0451	60	1.2	
GRP98830	27	0447+1	0447 0453+3	0502	N08	E53	.796	17956	31.2	15	-N				70	1.2	FG
CULG	27	0447E	0447U	0500	N09	E49	.752	17956	30.9	13D	-B		P	0447	120	1.8	F
PURP	27	0448	0453	0502	N08	E53	.796	17956	31.2	14	-N		C	0454	76	1.2	G
LEAR	27	0451E	0456U	0503	N06	E50	.763	17956	31.0	12D	-F	3	C		40		
LEAR	27	0453	0456	0503	N05	E59	.855	17956	31.6	10	-F	3	C		21		
831 CULG	27	0450	0501	0513D	S07	W42	.689	17939	24.1	23D	-B		P	0501	100	1.4	
GRP98832	27	0613+1	0614+2	0628	N08	E49	.752	17956	30.9	15	-F				70	1.1	D
CULG	27	0613	0614	0625	N09	E48	.741	17956	30.9	12	-N		C	0614	60	.9	
ABST	27	0614	0616	0630	N07	E50	.763	17956	31.0	16	-F		C	0616	87	1.4	D
833 KHAR	27	0933E	0948	1010D	N12	E78	.975	17963	2.2	37D	-F		P	0948			H
834 CATA	27	1025	1025	1035	S06	W48	.756	17939	23.8	10	1	2	C	1025	197	3.1	
835 RAMY	27	1340	1348	1402	S05	W49	.765	17939	23.9	22	-N	3	C		38		
GRP98836	27	1409>9	1431 1443+3	1458	S06	W50	.778	17939	23.8	49	-F						
RAMY	27	1409	1431	1440	S05	W47	.743	17939	24.1	31	-N	3	C		119		
HTPR	27	1430	1443	1455	S07	W52	.801	17939	23.7	25	-F		C	1443	50	.8	
RAMY	27	1443	1446	1501	S05	W48	.754	17939	24.0	18	-N	3	C		124		
GRP98837	27	1515+1	1517 1632+2	1641D	S05	W48	.754	17939	24.0	86	-B				120	1.8	FK
RAMY	27	1515	1555	1612	S05	W50	.776	17939	23.9	57	-F	3	C		96		
HOLL	27	1516	1517	1641D	S05	W48	.754	17939	24.0	85D	-F	3	C		18		K
HOLL	27	1516	1634	1641D	S05	W48	.754	17939	24.0	85D	-B	*	C		136		FEK
RAMY	27	1621	1632	1635D	S05	W48	.754	17939	24.1	14D	-B	*	C		110		F
838 HOLL	27	1547	1547	1557	N13	W09	.209	17946	27.0	10	-F	3	C		30		
GRP98839	27	1734>9	1837+3	1859D	S05	W50	.776	17939	24.0	85	-N						FU
HOLL	27	1734	1840	1935	S05	W51	.787	17939	23.9	121	-B	3	C		150		UF
PALE	27	1832	1837	1859	S06	W49	.767	17939	24.1	27	-F	3	C		54		F
	27	1754	1755	NO FLARE PATROL													
840 HOLL	27	1929	1931	1935	N20	E78	.975	17963	2.7	6	-F	3	C				
	27	2009	2034	NO FLARE PATROL													
	27	2046	2051	NO FLARE PATROL													
	28	0013	0019	NO FLARE PATROL													
841 LEAR	28	0029	0030	0036	N14	E80	.982	17963	3.0	7	-F	3	C				
842 CULG	28	0125	0127	0143	S16	W06	.368	17949	27.6	18	-F		C	0127	30	.3	F
843 CULG	28	0211	0225	0254	S21	W13	.481	17949	27.1	43	-F		C	0225	80	.9	F
844 PEKG	28	0257E	0257	0315	S06	W59	.865	17939	23.7	18D	-F		P	0257	42	.8	D
GRP98845	28	0350+9	0405+4	0447D	S06	W55	.829	17939	24.0	57	1N				220	3.9	UZ
CULG	28	0350	0405	0432D	S06	W56	.838	17939	24.0	42D	1N		P	0405	240	4.3	U
MITK	28	0353	0409	0447D	S07	W54	.821	17939	24.1	54D	1N		C	0409	240	4.2	E
PEKG	28	0359	0408	0437D	S04	W55	.826	17939	24.0	38D	1N		P	0408	181	3.3	FZ
846 ABST	28	0608	0609	0618	S22	E70	.959	17962	2.5	10	?F		C	0609	87		D
			IMP.1 NO : PEKG PURP CULG														
847 PEKG	28	0608E	0608U	0611	N17	E69	.931	17971	2.4	3D	-F		P	0608	25		E
848 CULG	28	0637	0642	0652	N08	E35	.572	17956	30.9	15	-F		C	0642	60	.7	

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GRP98849	28	0640+1	0651+2	0721	S04	W56	.835	17939	24.1	41	1N			150	2.7	J
ISTA	28	0640		0732	S05	W56	.837	17939	24.1	52	-F					E
ABST	28	0641	0653	0715D	S05	W57	.846	17939	24.0	34D	1N	P	0653	157	2.9	FJ
CULG	28	0641	0651	0716	S05	W56	.837	17939	24.1	35	1B	C	0651	140	2.5	F
PEKG	28	0647E	0652	0717D	S03	W56	.834	17939	24.1	30D	-N	C	0652	97	1.8	E
MITK	28	0647E		0701D	S04	W55	.826	17939	24.2	14D	1N	C	0647	200	3.7	
CATA	28	0705E	0705	0725	S04	W55	.826	17939	24.2	20D	1	2 P	0705	225	4.1	
850 ABST	28	0736	0741	0744	N18	E69	.931	17971	2.5	8	?F	C	0741	87		D
			IMP.1	NO : PEKG	PURP											
851 CATA	28	0855	0855	0910	N11	E25	.431	17960	30.2	15	-	2 C	0855	28	.3	
	28	1551	1557	NO FLARE PATROL												
	28	1602	1905	NO FLARE PATROL												
852 CULG	29	0128	0150	0222	S33	W22	.683	17950	27.4	54	1N	C	0150	300	4.2	FI
853 CULG	29	0133	0136	0152	N21	E69	.932	17963	3.2	19	-F	C	0136	40		FIW
854 ABST	29	0710	0713	0722	N30	E65	.914	17964	3.2	12	?F	C	0713	87		D
			IMP.1	NO : CULG	PURP	HTPR	CATA	YUNN								
GRP98855	29	0842	0848	0856	S11	E90	1.000	17969	5.1	14	-N			35		
HTPR	29	0842	0848	0857	S10	E90	1.000	17969	5.1	15	-N	C	0848	20		
CATA	29	0850E	0850	0855	S12	E90	1.000	17969	5.1	5D	1	2 P	0850	45		
GRP98856	29	0846>9	0900>9	0923	S20	E58	.884	17962	2.7	37	-F			50	1.0	
HTPR	29	0846	0900	0920	S21	E57	.879	17962	2.6	34	-F	C	0900	40	.7	
CATA	29	0855	0910	0925	S19	E59	.889	17962	2.8	30	-	2 C	0910	84	1.9	
WEND	29	0856	0906	0923	S20	E58	.884	17962	2.7	27	-F	C	0906	31	.6	
LEAR	29	0903E	0905	0911D	S20	E58	.884	17962	2.7	8D	-F	3 C		69		
GRP98857	29	1157+0	1157+2	1201	N07	E28	.469	17956	31.6	4	-N					
HTPR	29	1157	1159	1201	N06	E30	.498	17956	31.7	4	-B	C	1159	30	.3	
KANZ	29	1157	1157	1201	N08	E27	.454	17956	31.5	4	-N	2				
858 KANZ	29	1200	1205	1212	S07	W75	.969	17939	23.9	12	-F	2				
GRP98859	29	1243+1	1244+5	1257	N15	E60	.865	17963	3.0	14	-N					E
HTPR	29	1243	1249	1258	N15	E60	.865	17963	3.0	15	-N	C	1249	100	2.0	E
KANZ	29	1244	1244	1256	N16	E60	.865	17963	3.0	12	-N	3				
860 RAMY	29	1336	1340	1342	N06	E27	.453	17956	31.6	6	-B	3 C		69		
861 HOLL	29	2005	2006	2014	S07	W83	.994	17939	23.6	9	-N	3 C				
862 HOLL	29	2016	2016	2026	N30	E57	.860	17964	3.1	10	-F	3 C		15		
863 HOLL	29	2206	2209	2239	N19	E44	.710	17971	2.2	33	-F	3 C		52		
864 HOLL	29	2325	2334	2339	N16	E52	.791	17963	2.9	14	-F	3 C		48		F
GRP98865	29	2342>9		0006	N16	E50	.770	17963	2.7	24	-F					F
HOLL	29	2342	2357	2357D	N16	E52	.791	17963	2.9	15D	-F	2 C		75		F
LEAR	29	2355		0006	N16	E49	.759	17963	2.7	11	-F	3 C		27		
GRP98866	30	0354+2	0357+2	0404	N15	E48	.747	17963	2.8	10	-N			50	.8	E
PEKG	30	0354E	0357	0415	N15	E48	.747	17963	2.8	21D	-N	P	0357	50	.8	E
PURP	30	0356	0357	0359	N15	E47	.736	17963	2.7	3	-N	C	0357	41		E
YUNN	30	0356	0359	0404	N17	E48	.750	17963	2.8	8	-N	C		48	.8	
867 ABST	30	0818E	0820	0831	N21	W47	.748	17946	26.8	13D	-F	P	0820	87	1.3	D
GRP98868	30	0827+3	0831+2	0840	N16	E46	.726	17963	2.8	13	-N			30	.4	D
YUNN	30	0827	0832	0840	N16	E45	.715	17963	2.7	13	-F	C		32	.5	D
ABST	30	0829	0831	0843	N16	E46	.726	17963	2.8	14	-N	C	0831	79	1.0	D
HTPR	30	0830	0833	0838	N15	E50	.769	17963	3.1	8	-N	C	0833	20	.3	
869 KHAR	30	0932E		0950D	N26	E50	.792	17964	3.1	18D	-F	P	0932			EH

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	30	0956	1004	NO FLARE PATROL													
	30	1056	1109	NO FLARE PATROL													
870 KHAR	30	1124E		1135D	S13	E77	.980	17969	5.2	11D	-N		P	1132	80		
871 KHAR	30	1157E	1205	1209D	N20	E44	.713	17963	2.8	12D	-F		P	1205	50	.7	
	30	1217	1408	NO FLARE PATROL													
872 HOLL	30	1441	1528	1552	N29	E45	.755	17964	3.0	71	-F	3	C		34		
873 HOLL	30	1449	1516	1555	N18	E41	.672	17963	2.7	66	-F	3	C		48		
874 HOLL	30	1514	1514	1530	N12	W03	.139	17960	30.4	16	-F	3	C		35		
875 HOLL	30	1800	1807	1810	N17	E43	.693	17963	3.0	10	-F	3	C		35		
876 HOLL	30	2049	2057	2110	N16	E42	.679	17963	3.0	21	-F	3	C		37		
877 HOLL	30	2232	2234	2245	N19	E32	.565	17971	2.3	13	-F	3	C		28		F
878 HOLL	30	2251	2254	2326	N16	E37	.617	17963	2.7	35	-F	3	C		24		
879 VORO	31	0028	0037	0047	N14	E08	.214	17955	31.6	19	-N		C	0037	125	1.3	J
880 VORO	31	0159		0206	N14	E06	.194	17955	31.5	7	-F		P	0200	108	1.1	
GRP98881	31	0337+0	0339+1	0342	N13	E07	.190	17955	31.7	5	-N				60	.6	D
PURP	31	0337	0339	0342	N07	E07	.129	17955	31.7	5	-F		C	0339	83	.9	
LEAR	31	0337	0340	0346	N13	E07	.190	17955	31.7	9	-N	3	C		42		
YUNN	31	0337	0339	0342	N14	E06	.194	17955	31.6	5	-B		C		48	.5	D
GRP98882	31	0354+1	0356+0	0400	N14	E38	.624	17963	3.0	6	-F				20	.3	E
YUNN	31	0354	0356	0400	N15	E39	.640	17963	3.1	6	-F		C		16	.2	E
LEAR	31	0355	0356	0400	N14	E38	.624	17963	3.0	5	-F	3	C		21		
GRP98883	31	0439	0456	0655	N16	E34	.578	17963	2.7	136	1N						FJKU
			0608+4														
LEAR	31	0439	0456	0648	N14	E34	.571	17963	2.7	129	1N	3	C		258		K
LEAR	31	0439	0608	0648	N14	E34	.571	17963	2.7	129	2N	*	C		503		UFK
PEKG	31	0542E	0542	0625	N16	E35	.591	17963	2.9	43D	1N		P	0542	193	2.5	FK
PURP	31	0556	0610	0700	N15	E33	.561	17963	2.7	64	1F	*	C	0610	166	2.1	
ABST	31	0610E	0612	0658	N18	E33	.573	17963	2.7	48D	1N	*	P	0612	174	2.2	EJ
PEKG	31	0610E	0610	0610D	N16	E35	.591	17963	2.9		1B	*	P	0610	315	4.0	F
YUNN	31	0643E	0645	0658	N18	E36	.611	17963	3.0	15D	-F	*	P		48	.6	
GRP98884	31	0547+2	0548+5	0600	N12	E05	.156	17955	31.6	13	-F				35	.4	
PEKG	31	0547	0548	0600	N13	E05	.171	17955	31.6	13	-N		C	0548	42	.4	E
LEAR	31	0549	0553	0600	N12	E06	.166	17955	31.7	11	-F	3	C		30		F
GRP98885	31	0648+8	0656+2	0702	S11	E55	.838	17969	4.4	14	1N				120	2.2	DJ
YUNN	31	0648D	0658	0702	S11	E57	.855	17969	4.6	14D	1B		P	0658	145	3.1	
LEAR	31	0654	0657	0659D	S12	E55	.840	17969	4.4	5D	1N	3	C		263		
ABST	31	0654E	0656	0700	S10	E48	.766	17969	3.9	6D	-N		C	0656	87	1.3	DJ
PURP	31	0656	0657	0720D	S11	E56	.847	17969	4.5	24D	-B		C	0657	90	1.8	
886 LEAR	31	0709	0709	0714	N29	E36	.669	17964	3.0	5	-F	3	C		46		F
GRP98887	31	0710E	0730+1	0757	S14	E55	.844	17969	4.4	47	-N				80	1.5	E
CATA	31	0710E	0730	0810D	S15	E55	.847	17969	4.4	60D	-	*	P	0730	84	1.6	
ISTA	31	0715E		0743	S14	E54	.835	17969	4.4	28D	1N						E
BUCA	31	0725E		0810	S14	E55	.844	17969	4.4	45D	-N	*	C	0740	107	2.0	D
CATA	31	0725	0730	0745	S11	E55	.838	17969	4.4	20	-	*	C	0730	56	1.1	
YUNN	31	0729E	0731	0756	S13	E56	.851	17969	4.5	27D	1B	*	P	0731	161	3.2	E
PEKG	31	0730E	0730E	0730D	S15	E55	.847	17969	4.4		-N	*	P	0730	84	1.6	E
888 LEAR	31	0852	0857	0903	S12	E54	.831	17969	4.4	11	-F	3	C		41		
889 KANZ	31	1116E	1120	1139	S10	E52	.807	17969	4.4	23D	-N	2					
890 KANZ	31	1143	1147	1214	S11	E53	.819	17969	4.5	31	-N	2					

H - ALPHA S O L A R F L A R E S

OCTOBER 1981

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Cen Dist	Hale Plage Region	CMP Day	Dur (Min)	Imp	Obs Type		Area Measurement Time (UT)	Appar (Disk)	Corr (Sq Deg)	Remarks
GRP98891	31	1150+0	1158+2	1257	N15	W08	.227	17955	30.9	67	-N						
ATHN	31	1150E	1200	1212D	N17	W12	.295	17955	30.6	22D	-N	2	V	1200	191	2.1	
KANZ	31	1150	1158	1257	N15	W08	.227	17955	30.9	67	-B	3					
CATA	31	1215E	1220	1220D	N14	W05	.186	17955	31.1	5D	-	2	P	1220	112	1.2	
892 KANZ	31	1221	1225	1249	S11	E53	.819	17969	4.5	28	-F	3					
893 KANZ	31	1355	1355	1411	N11	W15	.279	17960	30.5	16	-N	2					
894 RAMY	31	1625	1637	1647	S13	E59	.876	17969	5.1	22	-F	3	C		28		
GRP98895	31	1753+3	1757+5	1817	S23	E23	.581	17962	2.5	24	-F				45	.6	F
HOLL	31	1753	1802	1822	S23	E24	.590	17962	2.5	29	-F	3	C		60		F
RAMY	31	1756	1757	1811	S24	E23	.591	17962	2.5	15	-N	3	C		31		F
896 HOLL	31	1839	1841	1847	N13	W03	.156	17955	31.6	8	-F	3	C		34		
897 HOLL	31	1906	1926	2035	S13	E48	.775	17969	4.4	89	-N	3	C		87		F
898 HOLL	31	2106	2109	2138	N18	E25	.468	17963	2.8	32	-F	3	C		44		F
899 HOLL	31	2114	2117	2145	N10	W21	.367	17960	30.3	31	-N	3	C		97		F
900 HOLL	31	2140	2141	2149	S10	E49	.776	17969	4.6	9	-N	3	C		40		F
901 HOLL	31	2233	2235	2307	N11	W20	.356	17960	30.4	34	-N	3	C		150		F

"Remarks":

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 high-speed dark filament.
I = Active region very extended.
J = Distinct variations of plage intensity before or after the flare.
K = Several intensity maxima.
L = Existing filaments show signs of sudden activity.
M = White-light flare.
N = Continuous spectrum shows effects of polarization.
O = Observations have been made in the H and K lines of Ca II.
P = Flare shows helium D3 in emission.
Q = Flare shows Balmer continuum in emission.
R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
S = Brightness follows disappearance of filament in same position.
T = Region active all day.
U = Two bright branches, parallel or converging.
V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.
W = Great increase in area after time of maximum intensity.
X = Unusually wide H-alpha line.
Y = System of loop-type prominences.
Z = Major sunspot umbra covered by flare.

D A I L Y F L A R E I N D I C E S
(Includes all Flares)

October 1981

Day	Flare Index*	Hours Observed	Day	Flare Index*	Hours Observed	Day	Flare Index*	Hours Observed
01	68.73	22.2	11	229.12	20.8	21	205.45	19.9
02	187.16	22.8	12	531.37	23.9	22	51.37	24.0
03	184.15	23.9	13	104.83	23.7	23	21.32	23.7
04	79.22	24.0	14	236.77	24.0	24	73.32	23.0
05	73.57	24.0	15	130.38	23.7	25	49.24	24.0
06	101.79	23.1	16	319.90	24.0	26	9.50	23.8
07	112.57	23.9	17	204.47	23.9	27	46.67	23.5
08	128.57	24.0	18	264.73	23.3	28	62.75	20.7
09	83.49	24.0	19	263.62	23.6	29	18.64	24.0
10	133.90	24.0	20	202.68	22.5	30	29.95	21.8
						31	86.37	24.0

*When no flare index is given, it is zero for that day.