

SOLAR FLARES
REVISED

JANUARY 1967

OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS	
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MC MATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %
					LAT.	MER. DIST.												
GRP 2370	02 0755	0831	0756	N16	E43	.727	8631	5.6	36	1-							5 3 3	
ATHN	02 0753	0843		N17	E43	.731	8631	5.6	50	1N	1	0800	2.64	3.90	1.90			
ABST	02 0755F	0834D	0756	N16	E44	.737	8631	5.6	39D	-F	C	0756	.91	1.30		56	D	
KAND	02 0755	0836		N14	E45	.741	8631	5.7	41	-N		0759	1.22	1.49			H	
TACH	02 0757	0807	0757	N15	E43	.723	8631	5.6	10	-B	C	0757	.64	.90		108	D	
MANI	02 0827E	0837	0828	N17	E42	.720	8631	5.5	10D	-F	1	0828	.31	.46				
GRP 2371	02 0811	0815		N09	E53	.811	8633	6.3	4	1-			.50				1 1 1	
ATHN	02 0811E	0815		N09	E53	.811	8633	6.3	4D	-N	1	0811	.50	.80				
GRP 2372	02 0923	0929	0926	S24	W03	.360	8629	2.2	6	1-			1.16				1 1 1	
ATHN	02 0923	0929	0926	S24	W03	.360	8629	2.2	6	-N	2	0926	1.16	1.20	1.80			
GRP 2373	02 0923	0933	0924	N09	E52	.801	8633	6.3	10	1-			.33				1 1 1	
ATHN	02 0923	0933	0924	N09	E52	.801	8633	6.3	10	-N	2	0924	.33	.50	1.60			
GRP 2374	02 0940	0945	0940	N22	E57	.875	8635	6.7	5	1-			.33				1 1 1	
ATHN	02 0940	0945	0940	N22	E57	.875	8635	6.7	5	-N	2	0940	.33	.70	1.90			
GRP 2375	02 0943	0951	0944	S26	W01	.389	8629	2.3	8	1-			.50				1 1 1	
ATHN	02 0943	0951	0944	S26	W01	.389	8629	2.3	8	-B	2	0944	.50	.50	2.00			
GRP 2376	02 0946	0953		N14	E45	.741	8631	5.8	7	1-							1 1 0	
KAND	02 0946	0953		N14	E45	.741	8631	5.8	7	-N								
GRP 2377	02 0959	1019		N14	E45	.741	8631	5.8	20	1-							1 1 0	
KAND	02 0959	1019		N14	E45	.741	8631	5.8	20	-N								
GRP 2378	02 1040	1048	1043	S20	W05	.302	8629	2.1	8	1-			.45				1 1 1	
UCCL	02 1040	1048	1043	S20	W05	.302	8629	2.1	8	-N	C	1043	.72	.90			EL	
GRP 2379	02 1050	1059		S26	W03	.392	8629	2.2	9	1-			.33				1 1 1	
ATHN	02 1050	1059	1052	S26	W03	.392	8629	2.2	9	-N	2	1052	.33	.40	1.90			
GRP 2380	02 1136	1146	1138	S23	W04	.346	8629	2.2	10	1-			.62				3 3 3	
ATHN	02 1136	1143	1136	S26	W04	.394	8629	2.2	8	-N	2	1136	.66	.70	1.90			
HUAN	02 1136	1148	1139	S24	W03	.360	8629	2.3	12	-F	1 C	1144	.25	.25			D	
UCCL	02 1137	1141D	1139	S20	W04	.298	8629	2.2	4D	-N	P	1139	1.55	1.90			E	
GRP 2381	02 1154	1159	1155	S26	W04	.394	8629	2.2	5	1-			.50				1 1 1	
ATHN	02 1154	1159	1155	S26	W04	.394	8629	2.2	5	-N	2	1155	.50	.50	1.70			
GRP 2382	02 1210	1231		N24	E00	.456	8628	2.5	21	1-							1 1 0	
KAND	02 1210	1231		N24	E00	.456	8628	2.5	21	-F								
GRP 2383	02 1213	1222	1216	S26	W04	.394	8629	2.2	9	1-			.50				1 1 1	
ATHN	02 1213	1222	1216	S26	W04	.394	8629	2.2	9	-N	2	1216	.50	.50	1.60			
GRP 2384	02 1232	1251	1241	S26	W03	.392	8629	2.3	19	1-			.96				2 2 2	
HUAN	02 1226	1252	1241	S25	W02	.374	8629	2.4	26	-B	2 C	1241	1.03	1.03	2.00		H	
ATHN	02 1237	1249	1241	S26	W04	.394	8629	2.2	12	-R	2	1241	.99	1.10				
GRP 2385	02 1358	1423	1410	S25	W04	.378	8629	2.3	25	1-			.73				3 3 3	
LOCA	02 1350	1421D	1410	S25	W03	.376	8629	2.4	31D	-N	V	1410	1.26	1.40				
ATHN	02 1355	1422	1356	S26	W05	.397	8629	2.2	27	-N	2	1356	.33	.40	1.80			
HUAN	02 1409	1423	1413	S25	W04	.378	8629	2.3	14	-N	2 C	1413	.88	.88			E	
GRP 2386	02 1456	1500	1457	S23	W07	.358	8629	2.1	4	1-			.19				1 1 1	
HUAN	02 1456	1500	1457	S23	W07	.358	8629	2.1	4	-F	2 C	1457	.21	.21			D	
GRP 2387	02 1510	1542	1516	S25	W04	.378	8629	2.3	32	1-			1.09				2 2 2	
SACP	02 1510	1542	1516A	S25	W04	.378	8629	2.3	32	-N	C		1.65	1.65				
HUAN	02 1514E	1538D		S24	W03	.360	8629	2.4	24D	-N	1 P	1515	.75	.75			H	
GRP 2388	02 1520	1620	1559	N12	W16	.374	8628	1.4	60	1-			.63				3 2 2	
SACP	02 1520	1620	1557	N11	W16	.363	8628	1.4	60	-N	C		.83	.82				
HUAN	02 1521E	1550D		N12	W17	.386	8628	1.4	29D	-F	1 P	1536	.57	.57			E	
LOCK	02 1600E	1620	1600E	N12	W16	.374	8628	1.5	20D	-F	C	1600	.80	.90		10		
GRP 2389	02 1547	1625	1605	N15	E38	.666	8631	5.5	38	1-			.73				3 3 3	
SACP	02 1547	1627	1610	N16	E38	.671	8631	5.5	40	-N	C		.58	.65				
LOCK	02 1600E	1623	1600U	N15	E38	.666	8631	5.5	23D	-N	C	1600	1.00	1.40		10		
HUAN	02 1602E	1615D		N15	E39	.678	8631	5.6	13D	-N	1 P	1605	.70	.81			E	
GRP 2390	02 1600	1610	1605	S23	W07	.358	8629	2.1	10	1-			.94				1 1 1	
LOCK	02 1600E	1610	1605	S23	W07	.358	8629	2.1	10D	-F	C	1605	.90	1.00		10		
GRP 2391	02 1651	1656	1653	S20	E47	.753	8632	6.2	5	1-			.50				1 1 1	
LOCK	02 1651	1656	1653	S20	E47	.753	8632	6.2	5	-F	C	1653	.50	.80		10		
GRP 2392	02 1653	1716	1659	S25	W06	.385	8629	2.3	23	1-			.60				3 2 2	
SACP	02 1651	1718	1658	S26	W06	.400	8629	2.3	27	-N	C		.66	.65				
LOCK	02 1654	1714	1700	S25	W06	.385	8629	2.3	20	-N	C	1700	.60	.70		20		
HUAN	02 1700E	1703D		S25	W06	.385	8629	2.3	3D	-F	1 P	1701	.36	.36			E	
GRP 2393	02 1736	1821	1747	S18	E49	.769	8632	6.4	45	1-			.60				2 2 2	
LOCK	02 1730	1815	1745	S19	E48	.760	8632	6.3	45	-F	C	1745	.80	1.20		10		
SACP	02 1742	1826	1749	S17	E49	.766	8632	6.4	44	-N	C		.41	.51				
GRP 2394	02 1733	1753	1737	S28	E67	.929	8632	7.8	20	1-			.99				1 1 1	
LOCK	02 1733	1753	1737	S28	E67	.929	8632	7.8	20	1F	C	1737	1.00	2.30		10		
GRP 2395	02 1756	1800	1758	S25	W04	.378	8629	2.4	4	1-			.19				1 1 1	
LOCK	02 1756	1800	1758	S25	W04	.378	8629	2.4	4	-F	C	1758	.20	.21		10		

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	DATE 1967 JAN	START	END	MAX. PHASE	APPROX. LAT. MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY	TIME UT				MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %		
GRP 2423	03	0630	0652	0635	N16 W09	.362	8628	2.6	22	1-			.37				1 1 1	
CULG	03	0630	0652D	0635	N16 W09	.362	8628	2.6	22D	-N	P	0635	.41	.42			L	
GRP 2424	03	0646	0659	0651	S26 W13	.438	8629	2.3	13	1-			.67				2 2 2	
CULG	03	0643	0652D	0649	S25 W12	.417	8629	2.4	9D	-N	P	0649	.72	.77				
TACH	03	0648	0659	0652	S26 W14	.445	8629	2.2	11	-B	C	0652	.83	.90	2.30	75	D	
GRP 2425	03	0713	0724	0716	S26 W12	.431	8629	2.4	11	1-			.66				1 1 1	
ATHN	03	0713	0724	0716	S26 W12	.431	8629	2.4	11	-B	1	0716	.66	.70	2.00			
GRP 2426	03	0743	0801	0743	S20 E38	.652	8632	6.2	18	1-			.99				1 1 1	
ATHN	03	0743	0801	0743	S20 E38	.652	8632	6.2	18	-N	2	0743	.99	1.30	1.70			
GRP 2427	03	0820	0840		N30 E88	1.000	8637	9.9	20	1			.28				1 1 1	
ARCE	03	0820E	0840		N30 E88	1.000	8637	9.9	20D	-N	C	0820	.28	1.40				
GRP 2428	03	0836	0852	0840	S22 W23	.487	8629	1.6	16	1-			.82				4 4 4	
MONT	03	0831E	0850	0840	S22 W21	.465	8629	1.8	19D	-N	C	0833	.52	1.20			OT	
ARCE	03	0838	0850	0840	S22 W24	.499	8629	1.6	12	-N	C	0840	1.19	1.40			HC	
CATA	03	0839E	0900D	0840	S20 W24	.482	8629	1.6	21D	-B		0840	.95	1.10		204		
ATHN	03	0839	0848	0841	S23 W22	.486	8629	1.7	9	-B	2	0841	.50	.50	2.00			
GRP 2429	03	0836	0855	0843	S26 W14	.445	8629	2.3	19	1-			1.24				5 5 5	
MONT	03	0833	0850	0835	S26 W13	.438	8629	2.4	17	-B	C	0835	.52	1.20			OT	
ABST	03	0834E	0856D	0844	S26 W14	.445	8629	2.3	22D	-F	C	0844	1.36	1.50		69	DJ	
ATHN	03	0837E	0858	0842	S27 W12	.444	8629	2.5	21D	-B	2	0842	1.16	1.30	2.00			
ARCE	03	0838	0850	0842	S26 W14	.445	8629	2.3	12	1N	C	0842	1.88	2.10		224	C	
CATA	03	0840E	0900D	0842	S25 W15	.440	8629	2.2	20D	-B		0842	1.38	1.60				
GRP 2430	03	0859	1030	0847	N15 W13	.380	8628	2.4	91	1-			.39				2 1 1	
ARCE	03	0845	1000D	0847	N13 W13	.354	8628	2.4	75D	-N	C	0847	.40	.40			HC	
MONT	03	0912	1030	0918	N17 W13	.466	8628	2.4	78	-F	C	0918	.41	1.00			OT	
GRP 2431	03	0902	0915		S22 W24	.499	8629	1.6	13	1-			1.60				1 1 1	
ARCE	03	0902E	0915D		S22 W24	.499	8629	1.6	13D	-N	P	0904	1.44	1.60			O	
GRP 2432	03	0902	0920	0915	N30 E90	1.000	8637	10.1	18	1			.34				1 1 1	
ARCE	03	0902	0920	0915	N30 E90	1.000	8637	10.1	18	-N	C	0915	.34	1.90			C	
GRP 2433	03	1020	1025	1022	S23 W25	.519	8629	1.6	5	1-			.76				2 2 2	
ATHN	03	1019	1024	1021	S23 W24	.507	8629	1.6	5	-B	2	1021	.99	1.10	2.00			
MONT	03	1020	1025	1022	S22 W25	.510	8629	1.6	5	-B	C	1022	.52	1.30			OTH	
GRP 2434	03	1027	1031	1028	S21 W22	.467	8629	1.8	4	1-			.50				1 1 1	
ATHN	03	1027	1031	1028	S21 W22	.467	8629	1.8	4	-N	2	1028	.50	.50	1.70			
GRP 2435	03	1034	1102	1043	N16 W13	.393	8628	2.5	28	1-			1.05				5 4 4	
LOCA	03	1030E	1058	1040	N14 W12	.358	8628	2.5	28D	-N	V	1040	.85	.90			H	
MONT	03	1033	1107		N17 W12	.398	8628	2.5	34	1N	C	1035	.93	2.20			OTH	
ATHN	03	1039	1056	1043	N14 W14	.377	8628	2.4	17	-B	2	1043	.99	1.20	2.00			
CATA	03	1040E	1100D	1046	N17 W13	.406	8628	2.5	20D	-N		1046	1.55	1.70		174		
AROS	03	1046E	1105		N16 W16	.421	8628	2.2	19D	-N	V							
GRP 2436	03	1045	1115	1053	S23 W22	.486	8629	1.8	30	1-			.92				5 5 4	
ATHN	03	1043	1115	1051	S24 W19	.465	8629	2.0	32	-B	2	1051	.33	.40	2.00			
MONT	03	1045	1120	1047	S22 W25	.510	8629	1.6	35	-B	C	1047	.62	1.50			OT	
AROS	03	1046E	1112	1104	S24 W23	.506	8629	1.7	26D	-N	V							
LOCA	03	1046	1114	1102	S22 W20	.454	8629	1.9	28	1N	V	1102	2.10	2.40			H	
CATA	03	1050E	1100D	1055	S22 W25	.510	8629	1.6	10D	-N		1055	1.00	1.20		186		
GRP 2437	03	1051	1110	1058	S26 W15	.453	8629	2.3	19	1-							1 1 0	
AROS	03	1051	1110	1058	S26 W15	.453	8629	2.3	19	-N	V							
GRP 2438	03	1112	1121	1114	S18 E38	.643	8632	6.3	9	1-			.50				2 2 1	
ATHN	03	1109	1122	1112	S19 E38	.647	8632	6.3	13	-N	2	1112	.50	.70	1.70			
AROS	03	1114	1120	1115	S17 E37	.627	8632	6.2	6	-N	V							
GRP 2439	03	1134	1255	1138	N16 E27	.543	8631	5.5	81	1			1.68				5 4 3	
CAPS	03	1131E	1227D		N13 E28	.533	8631	5.6	56D	1B	1							
ATHN	03	1132	1210D	1138	N16 E25	.520	8631	5.4	38D	1N	2	1138	2.97	3.10	1.80			
HUAN	03	1133E	1250	1220	N16 E26	.532	8631	5.4	77D	-N	1	1139	1.39	1.46			E	
MONT	03	1137E	1300		N17 E28	.563	8631	5.6	83D	1N	C	1140	.83	2.20			O	
AROS	03	1140	1145D	1144	N17 E26	.540	8631	5.4	5D	-N	V							
GRP 2440	03	1140	1144		S22 W25	.510	8629	1.6	4	1-			.19				1 1 1	
HUAN	03	1140	1144		S22 W25	.510	8629	1.6	4	-F	1	1141	.21	.22			D	
GRP 2441	03	1154	1202	1157	S22 W25	.510	8629	1.6	8	1-			.45				4 3 3	
MONT	03	1154	1200	1156	S22 W25	.510	8629	1.6	6	-B	C	1156	.41	1.00			OT	
HUAN	03	1154	1203	1157	S22 W25	.510	8629	1.6	9	-N	1	1157	.31	.32			D	
ATHN	03	1155	1202	1157	S23 W24	.507	8629	1.7	7	-N	2	1157	.66	.70	1.70			
CAPS	03	1158E	1159D		S21 W24	.490	8629	1.7	10	-N	1							
GRP 2442	03	1202	1208	1204	S25 W15	.440	8629	2.4	6	1-			.45				4 4 3	
ATHN	03	1201	1207	1204	S26 W16	.461	8629	2.3	6	-N	1	1204	.66	.70	1.60			
MONT	03	1202	1205D		S26 W14	.445	8629	2.5	3D	-N	C	1205	.41	1.00			OT	
HUAN	03	1202	1208	1203	S25 W16	.449	8629	2.3	6	-N	2	1203	.31	.32			E	
CAPS	03	1204E	1205D		S21 W15	.391	8629	2.4	1D	-N	1						E	
GRP 2443	03	1218	1222	1220	S23 W22	.486	8629	1.9	4	1-			.41				1 1 1	
MONT	03	1218	1222	1220	S23 W22	.486	8629	1.9	4	-B	C	1220	.41	1.00			OTH	

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	DATE 1967 JAN	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH FLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
					LAT.	MER. DIST.													
GRP 2467	04	0622	0622		N15	W26	.524	8628	2.3		1-							1 1 1	
MANI	04	0622E	0622D		N15	W26	.524	8628	2.3		-N	2	0622	.69					
GRP 2468	04	0816	0830	0818	S20	W36	.627	8629	1.6	14	1-			.77	.89			1 1 1	
MONT	04	0816	0830	0818	S20	W36	.627	8629	1.6	14	-N	C	0818	.41	1.20			OT	
GRP 2469	04	0847	0924	0856	S20	W37	.639	8629	1.6	37	1-			1.65				4 4 4	
HUCA	04	0845E	0910D		S19	W37	.635	8629	1.6	25D	1N	P	0900	3.32	4.30			HC	
ARCE	04	0845	0940D	0857	S21	W35	.620	8629	1.7	55D	1N	C	0857	1.91	2.50			OTH	
MONT	04	0850	0925	0855	S20	W36	.627	8629	1.7	35	-R	C	0855	.62	1.60				
ATHN	04	0856E	0907	0856	S21	W38	.655	8629	1.5	110	-R	2	0856	1.32	1.70	2.00			
GRP 2470	04	0935	0950		N17	W90	1.000	8625	28.6	15	1-			.28				1 1 1	
ARCE	04	0935E	0950D		N17	W90	1.000	8625	28.6	150	-F	C	0935	.28	1.60				
GRP 2471	04	1000	1000		N17	W90	1.000	8625	28.7		1-			.25				1 1 1	
ARCE	04	1000E	1000D		N17	W90	1.000	8625	28.7		-N	C	1000	.25	1.40				
GRP 2472	04	1128	1138	1130	S19	E30	.548	8632	6.7	10	1-			.99				1 1 1	
ATHA	04	1128E	1138	1130	S19	E30	.548	8632	6.7	10D	-N	2	1130	.99	1.20	1.60			
GRP 2473	04	1146	1152	1147	S19	E29	.535	8632	6.7	6	1-			.50				1 1 1	
ATHA	04	1146	1152	1147	S19	E29	.535	8632	6.7	6	-N	2	1147	.50	.60	1.60			
GRP 2474	04	1147	1159	1150	S20	W38	.651	8629	1.6	12	1-			.55				3 3 3	
HUAN	04	1146	1159	1152	S19	W39	.658	8629	1.6	13	-N	2	C	1152	.46	.52			E
MONT	04	1146	1200	1148	S20	W38	.651	8629	1.6	14	-N	C	1148	.41	1.20			OT	
ATHA	04	1148	1157	1149	S21	W38	.655	8629	1.6	9	-N	2	1149	.83	1.00	1.50			
GRP 2475	04	1200	1209	1202	S23	W36	.642	8629	1.8	9	1-			.79				3 3 3	
HUAN	04	1200	1210	1202	S24	W38	.670	8629	1.7	10	-F	2	C	1202	.77	.88			E
MONT	04	1200	1210	1203	S22	W36	.637	8629	1.8	10	-N	C	1203	.52	1.40			OT	
ATHN	04	1201	1206	1202	S24	W33	.615	8629	2.0	5	-F	2	1202	1.16	1.40	1.40			
GRP 2476	04	1222	1228		N05	E28	.488	8633	6.6	6	1-			.53				2 2 2	
HUAN	04	1222	1227		N06	E26	.463	8633	6.5	5	-F	1	C	1224	.25	.25			D
ATHA	04	1224E	1228		N04	E29	.498	8633	6.7	4D	-N	2	1224	.83	.90	1.40			
GRP 2477	04	1319	1342	1325	S18	E22	.439	8632	6.2	23	1-			.65				3 3 3	
HUAN	04	1316	1345	1324	S18	E21	.427	8632	6.1	29	-N	2	C	1324	.25	.25			D
ATHN	04	1318E	1334D		S19	E23	.460	8632	6.3	16D	-R	1	V	1323	1.16	1.30	2.00		
LOCA	04	1322	1339	1326	S17	E21	.418	8632	6.1	17	-N	V	1326	.63	.70				
GRP 2478	04	1339	1357	1344	N16	E11	.378	8631	5.4	18	1-			.90				3 2 3	
HUAN	04	1335	1358	1342	N15	E12	.373	8631	5.5	23	-N	2	C	1342	1.08	1.08			E
LOCA	04	1342	1352	1345	N15	E12	.373	8631	5.5	10	-N	V	1345	.85	.90				
UCCL	04	1343E	1401D		N18	E08	.387	8631	5.2	18D	N	P	1357	1.55	2.50			E	
GRP 2479	04	1356	1401		N15	W30	.572	8628	2.3	5	1-			.72				1 1 1	
UCCL	04	1356	1401D		N15	W30	.572	8628	2.3	5D	-F	P	1357	1.03	1.70			HJ	
GRP 2480	04	1402	1412	1406	S20	W40	.674	8629	1.6	10	1-			.43				2 2 2	
HUAN	04	1402	1411	1406	S19	W41	.682	8629	1.5	9	-N	2	C	1406	.44	.51			E
MONT	04	1402	1413	1406	S20	W39	.662	8629	1.7	11	-N	C	1406	.46	1.90			OT	
GRP 2481	04	1424	1453	1438	S18	E20	.414	8632	6.1	29	1-			.83				2 2 2	
SACP	04	1422	1457	1439	S18	E20	.414	8632	6.1	35	-N	C		1.18	1.18				
HUAN	04	1426	1448	1437	S18	E20	.414	8632	6.1	22	-F	2	C	1437	.67	.68			E
GRP 2482	04	1445	1450	1447	S22	W42	.704	8629	1.5	5	1-			.66				1 1 1	
HUAN	04	1445	1450	1447	S22	W42	.704	8629	1.5	5	-F	2	C	1447	.75	.88			E
GRP 2483	04	1501	1524	1503	S18	E20	.414	8632	6.1	23	1-			.45				1 1 1	
HUAN	04	1501	1524	1503	S18	E20	.414	8632	6.1	23	-F	2	C	1503	.50	.50			E
GRP 2484	04	1528	1538	1532	S22	W36	.637	8629	1.9	10	1-			.61				2 2 2	
SACP	04	1527	1540	1532	S22	W36	.637	8629	1.9	13	-F	C		.99	1.10				
HUAN	04	1529	1535	1531	S22	W35	.626	8629	2.0	6	-F	2	C	1531	.36	.40			
GRP 2485	04	1531	1630	1541	N15	E11	.364	8631	5.5	59	1			1.78				3 2 2	
SACP	04	1530	1632U	1541A	N16	E11	.378	8631	5.5	62	1N	C		2.16	2.14				
HUAN	04	1531	1622	1540	N15	E11	.364	8631	5.5	51	1F	2	C	1540	1.86	1.86			E
LOCK	04	1555E	1635	1555U	N15	E11	.364	8631	5.5	40D	1F	C	1555	2.00	2.20			10	
GRP 2486	04	1603	1611	1605	S22	W42	.704	8629	1.5	8	1-			.61				1 1 1	
LOCK	04	1603	1611	1605	S22	W42	.704	8629	1.5	8	-F	C	1605	.60	.80			10	
GRP 2487	04	1635	1725	1650	N16	W28	.556	8628	2.6	50	1-			.37				2 2 2	
LOCK	04	1635	1725	1650	N16	W28	.556	8628	2.6	50	-F	C	1650	.40	.50			10	
HUAN	04	1646E	1701D		N15	W27	.536	8628	2.7	15D	-F	1	P	1648	.37	.39			E
GRP 2488	04	1722	1823	1727	S18	E19	.402	8632	6.1	61	1-			1.28				3 3 3	
LOCK	04	1720	1815	1726A	S18	E19	.402	8632	6.1	55	-N	C	1726	1.10	1.20			20	
SACP	04	1723	1830U	1728U	S19	E20	.423	8632	6.2	67U	-N	C		1.82	1.82				
HUAN	04	1727E	1804D		S18	E19	.402	8632	6.2	37D	-N	1	P	1728	1.13	1.15			E
GRP 2489	04	1733	1744	1738	N15	W31	.585	8628	2.4	11	1-			.50				1 1 1	
LOCK	04	1733	1744	1738	N15	W31	.585	8628	2.4	11	-F	C	1738	.50	.60			10	
GRP 2490	04	1815	1830	1824	N16	E14	.404	8631	5.8	15	1-			.61				1 1 1	
LOCK	04	1815	1830	1824	N16	E14	.404	8631	5.8	15	-F	C	1824	.60	.70			10	
GRP 2491	04	1822	1845	1830	N35	E82	.997	8637	10.9	23	1-			1.21				1 1 1	
LOCK	04	1822	1845	1830	N35	E82	.997	8637	10.9	23	1F	C	1830	1.30	2.70			10	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE 1967 JAN	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %		
					LAT.	MER. DIST.														
GRP 2543	07	0057	0128	0105	N29	E38	.754	8637	9.9	31	1-								2 2 2	
MITK	07	0054	0129	0105	N29	E37	.746	8637	9.8	35	1F								E	
HALE	07	0100	0127	0105	N29	E39	.762	8637	10.0	27	-N	2	C	0105	.46	2.70	.70			
GRP 2544	07	0242	0257	0246	S20	W11	.334	8632	6.3	15	1-								1 1 1	
HALE	07	0242	0257	0246	S20	W11	.334	8632	6.3	15	-F	1	C	0246	.31	.32				
GRP 2545	07	0418	0431	0423	N22	E30	.629	8639	9.4	13	1-								1 1 1	
MITK	07	0418	0431	0423	N22	E30	.629	8639	9.4	13	-F		C	0423	.93	1.20			E	
GRP 2546	07	0542	0627	0553	S25	W77	.973	8629	1.5	45	1+								2 2 2	
MITK	07	0535	0600	0552	S26	W79	.980	8629	1.3	25D	2F		C	0552	1.96				H	
MANI	07	0549	0627	0553	S23	W75	.965	8629	1.6	38	1N	1		0553	.93	2.20				
GRP 2547	07	0715	0752	0722	N23	E31	.647	8639	9.6	37	1-								2 1 1	
MANI	07	0715E	0752	0722	N22	E29	.619	8639	9.5	37D	-N	2		0722	.83	1.06				
KAND	07	0728E	0732D		N23	E32	.657	8639	9.7	4D										
	07	0910	0925																	NO FLARE PATROL
	07	0935	0940																	NO FLARE PATROL
	07	0945	1000																	NO FLARE PATROL
	07	1215	1250																	NO FLARE PATROL
	07	1255	1315																	NO FLARE PATROL
	07	1320	1345																	NO FLARE PATROL
	07	1410	1500																	NO FLARE PATROL
	07	1555	1620																	NO FLARE PATROL
GRP 2548	07	1719	1735	1723	N17	W29	.578	8631	5.5	16	1-				.63					3 3 3
LOCK	07	1715U	1735	1723	N19	W29	.594	8631	5.5	20U	-N				.80	1.00				20
MCMA	07	1720	1731	1724	N16	W30	.582	8631	5.5	11	-N				.41	.50				E
HALE	07	1721	1740	1723	N17	W29	.578	8631	5.5	19	-R	2	C	1723	.41	.50				
GRP 2549	07	1950	2020	2003	N21	E22	.541	8639	9.5	30	1-				.94					1 1 1
LOCK	07	1950	2020	2003	N21	E22	.541	8639	9.5	30	-F		C	2003	.90	1.10				10
GRP 2550	07	2116	2131	2121	N22	E24	.571	8639	9.7	15	1-				.83					2 2 2
LOCK	07	2115	2131	2119	N21	E22	.541	8639	9.5	16	-F		C	2119	1.20	1.40				10
HALE	07	2117	2131	2123	N23	E25	.590	8639	9.8	14	-R	2	C	2123	.31	.40				
GRP 2551	07	2140	2152	2145	S26	W89	.999	8629	1.2	12	1-				.81					2 1 2
LOCK	07	2139	2150	2145	S26	W90	1.000	8629	1.2	11	1F		C	2145	1.10	4.40				10
HALE	07	2140	2154	2144	S25	W88	.998	8629	1.3	14	-R	1	C	2144	.52					H
GRP 2552	07	2200	2210	2204	N21	E22	.541	8639	9.6	10	1-				.94					H
LOCK	07	2200	2210	2204	N21	E22	.541	8639	9.6	10	-F		C	2204	.90	1.10				10
GRP 2553	07	2240	2253	2242	N24	E24	.591	8639	9.7	13	1-				1.06					3 3 3
HALE	07	2240	2252	2241	N24	E24	.591	8639	9.7	12	-R	1	C	2241	.41	.50				
LOCK	07	2240	2253	2243	N22	E23	.561	8639	9.7	13	-N		C	2243	1.30	1.60				20
SACP	07	2240	2255	2243	N25	E25	.610	8639	9.8	15	-F		C		1.44	1.58				
GRP 2554	07	2258	2303	2300	S24	W83	.991	8629	1.7	5	1-				.25					1 1 1
LOCK	07	2258	2303	2300	S24	W83	.991	8629	1.7	5	-F		C	2300	.30	1.00				10
GRP 2555	08	0028	0050	0036	N23	E22	.564	8639	9.7	22	1-				.37					1 1 1
HALE	08	0028	0050	0036	N23	E22	.564	8639	9.7	22	-N	1	C	0036	.31	.40				
GRP 2556	08	0051	0108	0054	N23	E20	.547	8639	9.5	17	1-				1.00					1 1 1
HALE	08	0051	0108	0054	N23	E20	.547	8639	9.5	17	-N	1	C	0054	.83	1.00				E
GRP 2557	08	0200	0210	0203	N23	E21	.555	8639	9.7	10	1-				.31					1 1 1
HALE	08	0200	0210	0203	N23	E21	.555	8639	9.7	10	-N	1	C	0203	.26	.30				
GRP 2558	08	0313	0332	0318	S17	W90	1.000	8629	1.4	19	1-				.19					1 1 1
CULG	08	0313	0332	0318	S17	W90	1.000	8629	1.4	19	-N		C	0318	.21					
GRP 2559	08	0318	0336	0325	N23	E21	.555	8639	9.7	18	1-				.67					3 3 3
CULG	08	0317	0338	0323	N22	E22	.553	8639	9.8	21	-N		C	0323	.31	.36				L
MITK	08	0318	0333	0324	N23	E21	.555	8639	9.7	15	-F		C	0324	1.34	1.60				E
HALE	08	0319	0336	0328	N23	E21	.555	8639	9.7	17	-N	1	C	0328	.67	.80				
GRP 2560	08	0455	0526		S21	E28	.533	8632	10.3	31	1-				.28					1 1 1
CULG	08	0455	0526		S21	E28	.533	8632	10.3	31	-N		C		.31	.35				FK
GRP 2561	08	0513	0528	0519	S24	W90	1.000	8629	1.5	15	1-				.28					1 1 1
CULG	08	0513	0528	0519	S24	W90	1.000	8629	1.5	15	-N		C	0519	.31					
GRP 2562	08	0523	0535	0528	N28	E21	.611	8637	9.8	12	1-				.30					2 2 2
CULG	08	0523	0538	0527	N29	E19	.609	8637	9.6	15	-R		C	0527	.41	.50				
MANI	08	0526E	0531	0528	N27	E22	.608	8637	9.9	5D	-F	2		0528	.26	.35				
GRP 2563	08	0548	0557	0550	N24	E20	.558	8639	9.7	9	1-				.56					2 2 2
MITK	08	0548	0555	0550	N25	E20	.570	8639	9.7	7	-N		C	0550	.93	1.10				
CULG	08	0548	0558	0550	N23	E20	.547	8639	9.7	10	-R		C	0550	.52	.60				
GRP 2564	08	0718	0722	0718	N22	E18	.519	8639	9.7	4	1-				.66					1 1 1
ATHN	08	0718E	0722D	0718	N22	E18	.519	8639	9.7	4D	-N	2		0718	.66	.80	1.90			
GRP 2565	08	0754	0759	0755	N22	E18	.519	8639	9.7	5	1-				.66					1 1 1
ATHN	08	0754	0759	0755	N22	E18	.519	8639	9.7	5	-N	2		0755	.66	.80	1.80			
GRP 2566	08	0836	0842	0837	N23	E18	.531	8639	9.7	6	1-				.33					1 1 1
ATHN	08	0836	0842	0837	N23	E18	.531	8639	9.7	6	-N	2		0837	.33	.40	1.90			
GRP 2567	08	1130	1140	1133	N26	E20	.581	8637	10.0	10	1-				.83					2 2 1
ATHN	08	1130	1142	1133	N24	E21	.567	8637	10.1	12	-N	2		1133	.83	1.00	1.90			
ONDR	08	1132E	1138		N27	E18	.579	8637	9.8	6D	-N		V	1133		2.80				CDHT

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP 2568	08	1150	1200	1152	N24	E14	.514	8639	9.5	10	1-								1 1 1
CATA	08	1150E	1200D	1152	N24	E14	.514	8639	9.5	10D	-N		1152	1.09	1.30		182		1 1 1
GRP 2569	08	1255	1318		N22	E13	.481	8639	9.5	23	1-			.93					1 1 1
HUAN	08	1255E	1318		N22	E13	.481	8639	9.5	23D	-N	1	P	1256	1.03	1.06			E 1 1 1
GRP 2570	08	1323	1325		S22	W84	.993	8629	2.3	2	1			.17					1 1 1
HUAN	08	1323	1325D		S22	W84	.993	8629	2.3	2D	-N	1	P	1324	.25				D 1 1 1
GRP 2571	08	1423	1437		S23	W90	1.000	8629	1.8	14	1			.14					1 1 1
HUAN	08	1423	1437		S23	W90	1.000	8629	1.8	14	-F	1	C	1430	.21				D 1 1 1
GRP 2572	08	1601	1619	1605	N22	E64	.925	8643	13.5	18	1-			.45					1 1 1
SACP	08	1601	1619	1605	N22	E64	.925	8643	13.5	18	-F		C		.50	.86			
GRP 2573	08	1603	1612	1605	S28	W12	.450	8632	7.8	9	1-			.88					2 2 2
SACP	08	1603	1611	1605	S28	W12	.450	8632	7.8	8	-N		C		.90	.91			
LOCK	08	1604E	1613	1605	S28	W11	.444	8632	7.8	9D	-N		C	1605	.90	1.00		20	
GRP 2574	08	1701	1727	1705	N20	E16	.477	8639	9.9	26	1-			.82					1 1 1
LOCK	08	1701	1727	1705	N20	E16	.477	8639	9.9	26	-F		C	1705	.80	.90		10	L 4 3 3
GRP 2575	08	1749	1822	1758	N22	E12	.475	8639	9.6	33	1			1.73					
SACP	08	1744	1821	1759	N22	E12	.475	8639	9.6	37	1N		C		2.37	2.43			
LOCK	08	1745	1830	1755	N21	E11	.455	8639	9.6	45	1N		C	1755	2.20	2.40		20	
HALE	08	1758	1814	1801	N25	E14	.528	8639	9.8	16	-N	2	C	1801	.41	.50			
HUAN	08	1810E	1815D		N21	E12	.461	8639	9.7	5D	-F	1	P	1811	1.01	1.03			E
GRP 2576	08	1855	1916	1902	N26	E12	.530	8637	9.7	21	1-			.71					1 1 1
LOCK	08	1855	1916	1902	N26	E12	.530	8637	9.7	21	-F		C	1902	.70	.80		10	
GRP 2577	08	1908	1917	1910	N17	W33	.625	8631	6.3	9	1-			.50					1 1 1
LOCK	08	1908	1917	1910	N17	W33	.625	8631	6.3	9	-F		C	1910	.50	.70		10	
GRP 2578	08	2138	2151	2141	S23	W89	.999	8629	2.2	13	1-			.37					2 2 2
CULG	08	2137	2155	2140	S22	W90	1.000	8629	2.2	18	-N		C	2140	.41				
SACP	08	2138	2147	2141	S23	W88	.998	8629	2.3	9	-F		C		.41				
GRP 2579	08	2157	2211	2200	N25	E13	.522	8637	9.9	14	1-			.60					4 4 4
LOCK	08	2155	2220	2200	N24	E13	.508	8637	9.9	25	-N		C	2200	.90	1.10		20	
HALE	08	2157	2204	2159	N25	E13	.522	8637	9.9	7	-N	1	C	2159	.41	.50			
CULG	08	2157	2207	2200	N25	E12	.516	8637	9.8	10	-N		C	2200	.41	.46			
SACP	08	2157	2211	2200	N25	E12	.516	8637	9.8	14	-N		C		.66	.68			
GRP 2580	08	2257	2312	2300	N22	E09	.458	8639	9.6	15	1-			.71					1 1 1
LOCK	08	2257	2312	2300	N22	E09	.458	8639	9.6	15	-F		C	2300	.70	.80		10	
GRP 2581	08	2322	2349	2326	N17	W34	.636	8631	6.4	27	1-			.28					1 1 1
CULG	08	2322	2349	2326	N17	W34	.636	8631	6.4	27	-N		C	2326	.31	.39			
GRP 2582	09	0040	0045	0042	N23	E03	.455	8639	9.3	5	1-			.22					2 2 2
HALE	09	0039	0044	0042	N23	E03	.455	8639	9.3	5	-N	1	C	0042	.21	.21			
CULG	09	0040	0045	0042	N22	E03	.440	8639	9.3	5	-N		C	0042	.21	.22			
GRP 2583	09	0125	0132	0129	S22	W89	.999	8629	2.4	7	1-			.28					2 1 2
HALE	09	0125	0130	0128	S21	W88	.998	8629	2.5	5	-N	2	C	0128	.31				
CULG	09	0125	0134	0129	S22	W90	1.000	8629	2.3	9	-N		C	0129	.21				
GRP 2584	09	0133	0139	0135	N23	E03	.455	8639	9.3	6	1-			.25					1 1 1
HALE	09	0133	0139	0135	N23	E03	.455	8639	9.3	6	-B	1	C	0135	.21	.21			
GRP 2585	09	0156	0203	0158	N23	E07	.466	8639	9.6	7	1-			.37					1 1 1
HALE	09	0156	0203	0158	N23	E07	.466	8639	9.6	7	-N	1	C	0158	.31	.31			
GRP 2586	09	0252	0351	0258	N14	W14	.385	8638	8.1	59	1-			.25					1 1 1
HALF	09	0252	0351D	0258	N14	W14	.385	8638	8.1	59D	-B	1	P	0258	.21	.21			
GRP 2587	09	0339	0354	0342	N30	E06	.565	8637	9.6	15	1-			.44					3 3 3
CULG	09	0336	0405	0343	N30	E07	.567	8637	9.7	29	-B		C	0343	.52	.60			L
MITK	09	0340	0348	0342	N30	E05	.563	8637	9.5	8	-N		C	0342	.52	.60			E
HALE	09	0341	0349	0342	N30	E07	.567	8637	9.7	8	-N	1	C	0342	.41	.50			
GRP 2588	09	0415	0432	0417	N32	E03	.588	8637	9.4	17	1-			.37					1 1 1
CULG	09	0415	0432	0417	N32	E03	.588	8637	9.4	17	-N		C	0417	.41	.48			
GRP 2589	09	0451	0501	0452	S29	W90	.999	8629	2.5	10	1-			.19					1 1 1
CULG	09	0451	0501	0452	S29	W90	.999	8629	2.5	10	-N		C	0452	.21				
GRP 2590	09	0502	0542	0509	N23	E62	.915	8644	13.9	40	1-			.28					1 1 1
CULG	09	0502	0542	0509	N23	E62	.915	8644	13.9	40	-F		C	0509	.31	.68			FL
GRP 2591	09	0523	0755	0706	N27	E58	.898	8644	13.6	152	1-			1.49					1 1 1
CULG	09	0523E	0755D	0706	N27	E58	.898	8644	13.6	152D	-N		P	0706	1.65	2.88			FL
GRP 2592	09	0701	0714	0703	N19	W50	.812	8631	5.5	13	1-			.66					1 1 1
ATHN	09	0701	0714	0703	N19	W50	.812	8631	5.5	13	-N	2		.66	1.10	1.70			
GRP 2593	09	0910	0927	0910	N21	W53	.844	8631	5.4	17	1-			.46					2 2 1
ARCE	09	0910	0923	0910	N20	W52	.833	8631	5.5	13	-N		C	0910	.46	.80			
KAND	09	0910	0930		N21	W54	.852	8631	5.3	20	-N								
GRP 2594	09	1010	1020	1015	N14	W18	.427	8638	8.1	10	1-			.46					1 1 1
CATA	09	1010E	1020D	1015	N14	W18	.427	8638	8.1	10D	-N			.46	.50		155		1 1 1
GRP 2595	09	1010	1020	1015	N23	E03	.455	8639	9.6	10	1-			.33					1 1 1
CATA	09	1010E	1020D	1015	N23	E03	.455	8639	9.6	10D	-N			.33	.40		155		1 1 1
GRP 2596	09	1057	1110	1059	S19	W43	.702	8632	6.2	13	1-			.72					1 1 1
ATHN	09	1057	1110	1059	S19	W43	.702	8632	6.2	13	-N	2		.72	1.00	1.50			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
GRP 2597	09 1150	1214	1158	N23	E02	.454	8639	9.6	24	1-							3 3 3	
WEND	09 1150E	1215		N22	E01	.437	8639	9.6	25D	1N								
CATA	09 1157E	1200D	1158	N24	E02	.469	8639	9.6	3D	-N			1158	1.00	1.60		186	
ATHN	09 1158E	1212	1158	N22	E03	.440	8639	9.7	14D	-N	2		1158	1.05	1.20	1.40		
GRP 2598	09 1721	1730	1725	N18	W60	.891	8631	5.2	9	1-							1 1 1	
HALF	09 1721	1730	1725	N18	W60	.891	8631	5.2	9	-N	2	C	1725	.21	.50			
GRP 2599	09 1738	1746	1741	S26	W90	1.000	8629	3.0	8	1-							1 1 1	
LOCK	09 1738	1746	1741	S26	W90	1.000	8629	3.0	8	-F		C	1741	.40	1.60		10 H	
GRP 2600	09 1825	1839	1830	N30	W05	.563	8637	9.4	14	1-							3 3 3	
HALE	09 1825	1841	1830	N29	W05	.548	8637	9.4	16	-B	1	C	1830	.41	.50			
LOCK	09 1825	1841	1830	N30	W05	.563	8637	9.4	16	-B		C	1830	.90	1.10		20 H	
MCMA	09 1828E	1835	1830	N30	W06	.565	8637	9.3	7D	-B		C	1830	.36	.40		D	
GRP 2601	09 1914	1937	1921	N24	W03	.470	8639	9.6	23	1-							3 3 3	
HALE	09 1910	1937	1922	N24	W03	.470	8639	9.6	27	-N	1	C	1922	.52	.60			
LOCK	09 1915	1936	1923	N24	W03	.470	8639	9.6	21	-N		C	1923	.70	.80		20	
MCMA	09 1916	1922D	1918	N23	W04	.457	8639	9.5	6D	-B		P	1918	.31	.40		D	
GRP 2602	09 1920	1940	1924	S18	W32	.564	8632	7.4	20	1-							1 1 1	
LOCK	09 1920	1940	1924	S18	W32	.564	8632	7.4	20	-F		C	1924	.82	1.00		10	
GRP 2603	09 1939	2021	1950	N28	E00	.529	8637	9.8	42	1-				1.18			2 2 2	
HALE	09 1938	2039	1951	N28	E01	.529	8637	9.9	61	-B	1	C	1951	.77	.90			
MCMA	09 1940	2002	1949	N28	W02	.529	8637	9.7	22	-N		P	1949	1.03	1.30		F	
GRP 2604	09 1948	1959	1951	N20	W59	.888	8631	5.4	11	1-				.31			1 1 1	
HALE	09 1948	1959	1951	N20	W59	.888	8631	5.4	11	-B	1	C	1951	.26	.60			
GRP 2605	09 2010	2017	2013	S28	W89	.999	8629	3.2	7	1-				.29			2 1 2	
HALE	09 2009	2014	2012	S30	W88	.998	8629	3.2	5	-N	2	C	2012	.21				
LOCK	09 2010	2020	2013	S26	W90	1.000	8629	3.1	10	-N		C	2013	.40	1.60		20 H	
GRP 2606	09 2022	2102	2047	S22	W89	.999	8629	3.2	40	1				.70			3 3 3	
HALE	09 2018	2054	2047	S22	W88	.998	8629	3.2	36	1R	1	C	2047	.62				
CULG	09 2019	2118	2047	S22	W90	1.000	8629	3.1	59	-B		C	2047	.52				
LOCK	09 2028	2055	2033A	S22	W90	1.000	8629	3.1	27	1N		C	2033	1.00	4.00		20 HK	
GRP 2607	09 2114	2119	2116	N29	W05	.548	8637	9.5	5	1-				.40			1 1 1	
LOCK	09 2114	2119	2116	N29	W05	.548	8637	9.5	5	-F		C	2116	.40	.50		10	
GRP 2608	09 2129	2147	2132	S24	W90	1.000	8629	3.1	18	1-				.17			2 2 2	
HUAN	09 2129	2143	2132	S22	W90	1.000	8629	3.1	14	-N	2	C	2132	.25			D	
LOCK	09 2129	2150	2132	S25	W90	1.000	8629	3.1	21	-F		C	2132	.20	.80		10 H	
GRP 2609	09 2200	2211	2205	N14	W21	.461	8638	8.3	11	1-				.71			1 1 1	
LOCK	09 2200	2211	2205	N14	W21	.461	8638	8.3	11	-F		C	2205	.70	.80		10	
GRP 2610	09 2203	2223	2209	S22	W90	1.000	8629	3.2	20	1-				.54			4 3 4	
LOCK	09 2201	2228	2209	S21	W90	1.000	8629	3.2	27	1N		C	2209	.90	3.60		20 H	
HUAN	09 2203	2224D	2210	S22	W90	1.000	8629	3.2	21D	-N	1	C	2210	.70				
CULG	09 2203	2224	2209	S22	W90	1.000	8629	3.2	21	-N		C	2209	.41				
HALE	09 2204	2218	2209	S23	W88	.998	8629	3.3	14	-N	2	C	2209	.46				
GRP 2611	09 2215	2220	2217	N29	W05	.548	8637	9.6	5	1-				.40			1 1 1	
LOCK	09 2215	2220	2217	N29	W05	.548	8637	9.6	5	-F		C	2217	.40	.50		10	
GRP 2612	09 2234	2258	2245	S22	W89	.999	8629	3.3	24	1+				.75			3 3 3	
HALE	09 2232	2253	2245	S23	W88	.998	8629	3.3	21	1R	2	C	2245	.41				
LOCK	09 2236	2257	2245	S21	W90	1.000	8629	3.2	21	2N		C	2245	1.30	5.20		20 H	
CULG	09 2237E	2304	2245	S22	W90	1.000	8629	3.2	27D	-N		P	2245	.62				
GRP 2613	09 2240	2300	2244	N29	W07	.553	8637	9.4	20	1-				.60			2 2 2	
LOCK	09 2240	2252	2245	N27	W05	.519	8637	9.6	12	-N				.80	1.00		10	
HALE	09 2240	2307	2242	N30	W08	.570	8637	9.3	27	-N	1	C	2242	.31	.40			
GRP 2614	09 2304	2314	2308	N26	W01	.499	8637	9.9	10	1-				.61			1 1 1	
LOCK	09 2304	2314	2308	N26	W01	.499	8637	9.9	10	-N		C	2308	.60	.70		10	
GRP 2615	09 2326	2352	2343	S22	W90	1.000	8629	3.2	26	1-				.40			2 2 2	
CULG	09 2322	2358	2345	S22	W90	1.000	8629	3.2	36	-N		C	2345	.41				
LOCK	09 2330	2345	2340U	S21	W90	1.000	8629	3.2	15	-N		C	2340	.50	2.00		10 H	
GRP 2616	09 2325	2330	2327	N29	W05	.548	8637	9.6	5	1-				.29			1 1 1	
LOCK	09 2325	2330	2327	N29	W05	.548	8637	9.6	5	-F		C	2327	.30	.40		10	
GRP 2617	09 2349	0026	0001	N21	E05	.429	8639	10.4	37	1-				.37			1 1 1	
CULG	09 2349	0026	0001	N21	E05	.429	8639	10.4	37	-N		C	0001	.41	.44			
GRP 2618	09 2358	0015	0001	N20	W06	.417	8639	9.5	17	1-				.36			2 2 2	
MANI	09 2358	0017		N20	W06	.417	8639	9.5	19	-F	2		0002	.52	.57			
HALE	10 0000E	0013	0001U	N20	W06	.418	8639	9.6	13D	-N	1	P	0001	.21	.21			
GRP 2619	10 0035	0043	0036	N18	W64	.919	8631	5.2	8	1-				.71			3 3 3	
CULG	10 0034	0045	0037	N18	W64	.919	8631	5.2	11	-B		C	0037	.83	1.80			
MITK	10 0035	0041	0036	N18	W64	.919	8631	5.2	6	1F		C	0036	.93				
HALE	10 0035	0043	0036	N17	W63	.911	8631	5.3	8	-R	1	C	0036	.62				
GRP 2620	10 0051	0102	0052	N27	W02	.516	8637	9.9	11	1-				.37			1 1 1	
HALE	10 0051	0102	0052	N27	W02	.516	8637	9.9	11	-F	1	C	0052	.31	.40			
GRP 2621	10 0300	0609	0321	N26	W27	.640	8637	8.1	189	1-				1.29			2 2 2	
CULG	10 0247	0609D	0334	N28	W25	.644	8637	8.2	202D	-N		P	0334	1.75	2.21		FUS	
HALE	10 0312	0352D	0321	N24	W29	.640	8637	8.0	40D	-F	1	P	0321	.83	1.10		F	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %			
	1967 JAN																			
		11 1140	1230																	
		11 1235	1300																	
GRP 2652		11 1400	1406	1400	S22	E62	.887	8647	16.2	6	1-				.66				1 1 1	
ATHN		11 1400E	1406D	1400	S22	E62	.887	8647	16.2	6D	-R	1		1400	.66	1.20	2.00			
GRP 2653		11 1424	1444	1428	S20	W75	.964	8632	6.0	20	1				1.04				1 1 1	
SACP		11 1424	1444	1428	S20	W75	.964	8632	6.0	20	1N		C		1.16	2.50			1 1 1	
GRP 2654		11 1428	1514	1446	N17	W76	.978	8631	5.9	46	1-				.51				1 1 1	
SACP		11 1428	1514	1446	N17	W76	.978	8631	5.9	46	-N		C		.57	1.38			1 1 1	
GRP 2655		11 1502	1520	1510	S28	W53	.826	8632	7.7	18	1-				.67				1 1 1	
SACP		11 1502	1520	1510	S28	W53	.826	8632	7.7	18	-N		C		.74	1.01			1 1 1	
		11 1525	1555																	
GRP 2656		11 1558	1618		N17	W88	1.000	8631	5.1	20	1				.14				1 1 1	
HUAN		11 1558E	1618		N17	W88	1.000	8631	5.1	20D	-F	1	P	1605	.21				D	
GRP 2657		11 1609	1622	1613	N28	W26	.653	8637	9.7	13	1-				.51				1 1 1	
SACP		11 1609	1622	1613	N28	W26	.653	8637	9.7	13	-N		C		.57	.63			1 1 1	
GRP 2658		11 1629	1641	1634	N21	W82	.995	8631	5.5	12	1-				.61				1 1 1	
LOCK		11 1629	1641	1634	N21	W82	.995	8631	5.5	12	1N		C	1634	.70	2.40		20	H	
GRP 2659		11 1639	1652	1647	N12	W47	.760	8638	8.2	13	1-				.29				1 1 1	
LOCK		11 1639	1652	1647	N12	W47	.760	8638	8.2	13	-F		C	1647	.30	.50		10	H	
GRP 2660		11 1651	1710	1647	N16	W85	.998	8631	5.3	19	1-				.34				2 1 1	
LOCK		11 1640	1710	1647	N15	W82	.993	8631	5.5	30	-N		C	1647	.40	1.40		10	H	
HUAN		11 1701	1710		N16	W88	1.000	8631	5.1	9	-N		1	C	1705	.41				
GRP 2661		11 1726	1830	1735	N14	W84	.996	8631	5.4	64	1-				.89				1 1 1	
LOCK		11 1726	1830	1735	N14	W84	.996	8631	5.4	64	-N		C	1735	1.00	1.50		20	H	
GRP 2662		11 1728	1747	1737	N12	W47	.760	8638	8.2	19	1-				.57				2 2 2	
SACP		11 1727	1747	1737	N12	W46	.749	8638	8.3	20	-N		C		.85	1.04			2 2 2	
HUAN		11 1729	1746		N12	W47	.760	8638	8.2	17	-N		1	P	1736	.41	.51			E
GRP 2663		11 1733	1751	1740	N25	W34	.695	8637	9.2	18	1-				.51				2 2 2	
SACP		11 1733	1754	1740	N24	W34	.688	8637	9.2	21	-N		C		.66	.76			E	
HUAN		11 1736E	1747		N25	W34	.695	8637	9.2	11D	-F		1	P	1738	.46	.54			E
GRP 2664		11 2016	2034		N16	W88	1.000	8631	5.2	18	1				.30				1 1 1	
HUAN		11 2016	2034D		N16	W88	1.000	8631	5.2	18D	-B		1	P	2032	.46				
GRP 2665		11 2104	2117	2108	S22	E57	.848	8647	16.2	13	1-				.42				1 1 1	
SACP		11 2104	2117	2108	S22	E57	.848	8647	16.2	13	-N		C		.47	.67			1 1 1	
GRP 2666		11 2210	2237	2218	N17	W82	.994	8631	5.8	27	1-				.34				1 1 1	
LOCK		11 2210	2237	2218	N17	W82	.994	8631	5.8	27	-F		C	2218	.40	1.40		10	H	
GRP 2667		11 2246	2300	2249	N11	W50	.788	8638	8.2	14	1-				.63				3 3 3	
LOCK		11 2245	2305	2249	N11	W49	.778	8638	8.3	20	-N		C	2249	.90	1.40		20	H	
CULG		11 2246	2259	2249	N12	W50	.791	8638	8.2	13	-N		C	2249	.41	.64				
SACP		11 2247	2256	2249	N11	W50	.788	8638	8.2	9	-N		C		.66	.85				
GRP 2668		11 2245	2355	2252	N17	W82	.994	8631	5.8	70	1-				.34				1 1 1	
LOCK		11 2245	2355	2252A	N17	W82	.994	8631	5.8	70	-F		C	2252	.40	1.40		10	H	
GRP 2669		11 2306	2318	2310	S24	E55	.834	8647	16.1	12	1-				.94				2 2 2	
SACP		11 2304	2320	2309	S23	E55	.832	8647	16.1	16	-N		C		1.03	1.43			2 2 2	
LOCK		11 2307	2316	2310	S24	E54	.825	8647	16.0	9	-F		C	2310	.90	1.60		10		
GRP 2670		11 2327	2340	2331	N22	W32	.653	8639	9.6	13	1-				.40				1 1 1	
LOCK		11 2327	2340	2331	N22	W32	.653	8639	9.6	13	-F		C	2331	.40	.50		10		
		12 0225	0230																	
GRP 2671		12 0231	0305		N16	W90	1.000	8631	5.4	34	1				.79				1 1 1	
MITK		12 0231E	0305D		N16	W90	1.000	8631	5.4	34D	1F		P	0234	1.13				AH	
		12 0240	0250																	
		12 0255	0300																	
		12 0305	0330																	
		12 0350	0410																	
GRP 2672		12 0815	0917		S23	E50	.785	8647	16.1	62	1-				1.02				2 2 2	
ARCF		12 0815E	1000D		S23	E50	.785	8647	16.1	105D	1N		C	0945	1.40	2.30				
MANT		12 0823E	0833		S22	E50	.783	8647	16.1	10D	-F		2		0825	.72	1.14			
		12 1105	1120																	
GRP 2673		12 1120	1150		S22	E50	.783	8647	16.2	30	1				1.03				1 1 1	
MONT		12 1120E	1150		S22	E50	.783	8647	16.2	30D	1N		C	1120	1.03	3.40			OTH	
		12 1155	1220																	
GRP 2674		12 1220	1230	1225	S22	E49	.773	8647	16.2	10	1-				.52				1 1 1	
MONT		12 1220	1230	1225	S22	E49	.773	8647	16.2	10	-N		C	1225	.52	1.70			OT	
GRP 2675		12 1235	1325		S22	E49	.773	8647	16.2	50	1-				.52				1 1 1	
MONT		12 1235	1325D		S22	E49	.773	8647	16.2	50D	-R		C	1258	.52	1.70			OT	
GRP 2676		12 1320	1340	1326	S21	W85	.994	8632	6.2	20	1-				1.53				1 1 1	
LOCA		12 1320	1340	1326	S21	W85	.994	8632	6.2	20	1N		V	1326	1.68				A	
GRP 2677		12 1405	1411		N16	W90	1.000	8631	5.8	6	1				.17				1 1 1	
HUAN		12 1405	1411D		N16	W90	1.000	8631	5.8	6D	-F		1	P	1408	.25				D
GRP 2678		12 1536	1604	1545	N22	W39	.723	8639	9.7	28	1-				.43				1 1 1	
SACP		12 1536	1604	1545	N22	W39	.723	8639	9.7	28	-N		C		.48	.62				

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OBSERVATORY	OBSERVED UT			LOCATION					DURATION MIN.	IM-POR-TANCE	OBS.		MEASUREMENTS				REMARKS
	DATE	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION			CMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	
GRP 2679	12	1619	1627	1621	S25	E45	.742	8647	16.1	8	1-		.94				1 1 1
LOCK	12	1619	1627	1621	S25	E45	.742	8647	16.1	8	-F	C	1621	.90	1.40		10
GRP 2680	12	1640	1703	1645	S22	E44	.721	8647	16.0	23	1-		.69				1 1 1
SACP	12	1640	1703U	1645U	S22	E44	.721	8647	16.0	23U	-F	C		.77	.98		
GRP 2681	12	1704	1715		N16	W90	1.000	8631	6.0	11	1		.24				1 1 1
HUAN	12	1704F	1715D		N16	W90	1.000	8631	6.0	11D	-N	1	1706	.36			D
GRP 2682	12	1730	1750	1742	S25	E45	.742	8647	16.1	20	1-		1.05				1 1 1
LOCK	12	1730	1750	1742	S25	E45	.742	8647	16.1	20	-N	C	1742	1.00	1.50		20
GRP 2683	12	1755	1830	1825	S21	W90	1.000	8632	6.0	35	1-		.33				1 1 1
LOCK	12	1755	1830	1825A	S21	W90	1.000	8632	6.0	35	-F	C	1825	.40	1.40		10
GRP 2684	12	1855	1905	1857	N19	W46	.776	8639	9.3	10	1-		.50				1 1 1
LOCK	12	1855	1905	1857	N19	W46	.776	8639	9.3	10	-F	C	1857	.50	.80		10
GRP 2685	12	1907	1927	1918	S21	E44	.718	8647	16.1	20	1-		.70				2 2 2
LOCK	12	1907	1925	1917	S22	E44	.721	8647	16.1	18	-N	C	1917	.70	1.10		20
SACP	12	1907	1929	1918	S20	E44	.715	8647	16.1	22	-N	C		.77	.99		
GRP 2686	12	1948	2018	1953	S22	E44	.721	8647	16.1	30	1-		.57				3 3 3
HALF	12	1945	2033	1951	S21	E44	.718	8647	16.1	48	-F	1	1951	.31	.40		
LOCK	12	1948	2010	1955	S24	E45	.739	8647	16.2	22	-F	C	1955	.80	1.20		10
SACP	12	1950	2011	1953	S21	E43	.707	8647	16.1	21	-N	C		.58	.73		
GRP 2687	12	2032	2040	2035	S19	W89	.999	8632	6.2	8	1-		.20				3 2 3
LOCK	12	2031	2040	2035	S18	W90	1.000	8632	6.1	9	-N	C	2035	.30	1.20		20
HALF	12	2032	2039	2035	S20	W88	.998	8632	6.3	7	-N	2	2035	.15			
HUAN	12	2035F	2035D		S19	W90	1.000	8632	6.1	7	-F	1	2035	.25			D
GRP 2688	12	2052	2100	2055	S25	E45	.742	8647	16.2	8	1-		.61				1 1 1
LOCK	12	2052	2100	2055	S25	E45	.742	8647	16.2	8	-F	C	2055	.60	.90		10
GRP 2689	12	2107	2135	2115	N14	W14	.389	8644	11.8	28	1-		.60				2 2 2
LOCK	12	2107	2134	2115	N14	W14	.389	8644	11.8	27	-F	C	2115	.90	1.00		10
HALF	12	2107	2135	2115	N14	W14	.389	8644	11.8	28	-F	1	2115	.21	.21		J
GRP 2690	12	2155	2204	2158	S23	E40	.681	8647	15.9	9	1-		.19				1 1 1
LOCK	12	2155	2204	2158	S23	E40	.681	8647	15.9	9	-N	C	2158	.20	.30		20
GRP 2691	12	2216	2234	2223	S19	W89	.999	8632	6.3	18	1-		.37				2 1 2
HALF	12	2213	2235	2222	S20	W88	.998	8632	6.3	22	-N	2	2222	.26			
LOCK	12	2218	2233	2223	S18	W90	1.000	8632	6.2	15	-N	C	2223	.50	2.00		20
GRP 2692	12	2235	2245	2239	S23	E40	.681	8647	15.9	10	1-		.19				1 1 1
LOCK	12	2235	2245	2239	S23	E40	.681	8647	15.9	10	-N	C	2239	.20	.30		20
GRP 2693	12	2243	2310	2253	N13	W68	.938	8638	7.8	27	1-		.40				2 2 2
HALF	12	2241	2322D	2255	N13	W67	.932	8638	7.9	41D	-N	1	2255	.36			
LOCK	12	2245	2258	2251	N12	W69	.942	8638	7.8	13	-F	C	2251	.40	.90		10
GRP 2694	12	2300	0000	2330	N23	E68	.949	8648	18.1	60	1-		.46				1 1 1
LOCK	12	2300	0000U	2330	N23	E68	.949	8648	18.1	60U	-F	C	2330	.50	1.40		10
GRP 2695	13	0059	0114	0102	S20	E41	.680	8647	16.1	15	1-		.37				J
HALF	13	0059	0112	0102	S20	E40	.669	8647	16.0	13	-N	1	0102	.31	.40		2 2 2
CULG	13	0059	0115	0102	S19	E41	.677	8647	16.1	16	-N	C	0102	.41	.56		
GRP 2696	13	0147	0239	0159	N32	W51	.871	8637	9.2	52	1-		.64				3 3 3
CULG	13	0145	0315	0205	N31	W51	.867	8637	9.2	90	-N	C	0205	.62	1.20		
HALF	13	0147	0230	0153	N32	W49	.857	8637	9.4	43	-N	1	0153	.83	1.60		
MITK	13	0149	0211	0159	N33	W53	.887	8637	9.1	22	-N	C	0159	.52	1.10		E
GRP 2697	13	0242	0358	0314	N13	W16	.399	8644	11.9	76	1-		.49				1 1 1
HALF	13	0242E	0358	0314	N13	W16	.399	8644	11.9	76D	-N	1	0314	.41	.42		
GRP 2698	13	0345	0353	0347	S19	E40	.665	8647	16.2	8	1-		.66				3 3 3
MITK	13	0345	0349	0346	S20	E40	.669	8647	16.2	4	-R	C	0346	1.03	1.40		D
MANI	13	0345E	0354	0348	S17	E39	.646	8647	16.1	9D	-N	1	0348	.67	.99		
CULG	13	0346	0355D	0347	S19	E41	.677	8647	16.2	9D	-N	P	0347	.72	.98		
GRP 2699	13	0345	0353	0346	S27	E34	.637	8647	15.7	8	1-		.74				1 1 1
HALF	13	0345	0353D	0346	S27	E34	.637	8647	15.7	8D	-R	1	0346	.62	.80		
GRP 2700	13	0423	0431	0425	S23	E41	.692	8647	16.3	8	1-		.37				1 1 1
CULG	13	0423	0431	0425	S23	E41	.692	8647	16.3	8	-N	C	0425	.41	.56		
GRP 2701	13	0519	0530		S23	E62	.888	8647	17.9	11	1-		.64				1 1 1
MANI	13	0519F	0530D		S23	E62	.888	8647	17.9	11D	-F	1	0523	.77	1.50		
GRP 2702	13	0537	0547	0540	S22	E40	.676	8647	16.2	10	1-		.37				1 1 1
CULG	13	0537E	0547	0540	S22	E40	.676	8647	16.2	10D	-N	P	0540	.41	.56		
GRP 2703	13	0735	0751	0746	N27	E68	.954	8648	18.4	16	1-		.19				1 1 1
CULG	13	0735	0751	0746	N27	E68	.954	8648	18.4	16	-N	C	0746	.21			J
GRP 2704	13	0805	0820	0810	S28	E39	.694	8647	16.3	15	1-		.19				1 1 1
CULG	13	0805	0820D	0810	S28	E39	.694	8647	16.3	15D	-N	P	0810	.21	.28		L
GRP 2705	13	0915	0925		N24	E66	.941	8648	18.3	10	1-		.63				1 1 1
ARCF	13	0915E	0925D		N24	E66	.941	8648	18.3	10D	-N	C	0920	.63	1.30		
GRP 2706	13	0915	1000		S23	E38	.658	8647	16.2	45	1-		.46				1 1 1
ARCF	13	0915E	1000D		S23	E38	.658	8647	16.2	45D	-N	C	1000	.46	.60		H
GRP 2707	13	1046	1100		S20	E35	.609	8647	16.1	14	1-		.41				1 1 1
MONT	13	1046	1100		S20	E35	.609	8647	16.1	14	-R	C	1048	.41	1.10		0

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	DATE 1967 JAN	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MC MATH PLAGE REGION			OMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	
GRP 2708	13	1220	1235		N28	W60	.914	8637	9.0	15	1-		.41				1 1 1
MONT	13	1220	1235		N28	W60	.914	8637	9.0	15	-R	C	1222	.41	.50		0
GRP 2709	13	1425	1435		S24	W90	1.000	8632	6.9	10	1		.17				1 1 1
HUAN	13	1425	1435		S24	W90	1.000	8632	6.9	10	-F	1 C	1427	.25			D
	13	1435	1450		NO FLARE PATROL												
GRP 2710	13	1652	1702	1657	S21	E33	.589	8647	16.2	10	1-		.50				1 1 1
LOCK	13	1652	1702	1657	S21	E33	.589	8647	16.2	10	-F	C	1657	.50	.70		10
GRP 2711	13	1802	1826	1805	N17	W86	.999	8638	7.3	24	1-		.22				2 2 2
HUAN	13	1802	1818		N17	W90	1.000	8638	7.0	16	-F	1 C	1804	.25			D
SACP	13	1803E	1834D	1805U	N17	W82	.994	8638	7.6	31D	-N	C		.29			
GRP 2712	13	1803	1838	1807	S22	E32	.583	8647	16.2	35	1-		.52				1 1 1
SACP	13	1803E	1838	1807	S22	E32	.583	8647	16.2	35D	-N	C		.58	.66		
GRP 2713	13	1819	1940	1832	S32	W81	.985	8632	7.7	81	1		.80				4 2 2
SACP	13	1819U	1856D	1830	S31	W79	.979	8632	7.8	37D	1N	C		.95	2.60		
HUAN	13	1827E	1905D		S31	W80	.982	8632	7.8	38D	1N	1 C	1832	1.24			
LOCK	13	1833E	1940	1833U	S32	W83	.990	8632	7.5	67D	1N	C	1833	1.20	4.10		20
MCMA	13	1833E	1850D		S32	W80	.982	8632	7.8	70	-F	C	1845	.52			
GRP 2714	13	1824	1840	1827	N16	W27	.553	8644	11.7	16	1-		.61				1 1 1
SACP	13	1824	1840D	1827	N16	W27	.553	8644	11.7	16D	-N	C		.68	.77		
GRP 2715	13	1845	1854	1847	N16	W28	.564	8644	11.7	9	1-		.74				4 4 4
LOCK	13	1842	1854	1847	N16	W29	.576	8644	11.6	12	-N	C	1847	.90	1.10		20
HUAN	13	1845	1850D		N16	W27	.553	8644	11.8	5D	-F	1 C	1846	.77	.82		E
SACP	13	1845	1856D	1846U	N16	W27	.553	8644	11.8	11D	-N	C		.76	.87		
MCMA	13	1846	1851		N16	W28	.564	8644	11.7	5	-N	C	1847	.46	.60		E
GRP 2716	13	1848	1855	1849	N29	W62	.928	8637	9.1	7	1-		.28				1 1 1
LOCK	13	1848	1855	1849	N29	W62	.928	8637	9.1	7	-F	C	1849	.30	.70		10
GRP 2717	13	1940	2030	1947	N26	W66	.944	8637	8.9	50	1-		.46				1 1 1
LOCK	13	1940	2030	1947	N26	W66	.944	8637	8.9	50	-F	C	1947	.50	1.30		10
GRP 2718	13	2015	2031	2018	N16	W26	.542	8644	11.9	16	1-		.34				2 2 2
LOCK	13	2015	2027	2018	N15	W26	.533	8644	11.9	12	-F	C	2018	.40	.50		10
CULG	13	2015	2035	2017	N16	W26	.542	8644	11.9	20	-N	C	2017	.31	.35		
GRP 2719	13	2039	2110	2044	N26	W66	.944	8637	8.9	31	1-		.46				1 1 1
LOCK	13	2039	2110	2044	N26	W66	.944	8637	8.9	31	-F	C	2044	.50	1.30		10
GRP 2720	13	2104	2156	2121	N16	W73	.966	8638	8.4	52	1-		.73				2 2 2
CULG	13	2103	2149	2122	N15	W78	.984	8638	8.0	46	-N	C	2122	.41			
LOCK	13	2105	2203	2120	N16	W68	.941	8638	8.8	58	1N	C	2120	1.10	2.80		20
GRP 2721	13	2105	2130	2118	S31	W84	.992	8632	7.6	25	1-		.52				1 1 1
LOCK	13	2105	2130	2118	S31	W84	.992	8632	7.6	25	-F	C	2118	.60	2.00		10
GRP 2722	13	2149	2225	2200	N14	W28	.549	8644	11.8	36	1-		.42				2 2 2
LOCK	13	2145	2220	2200	N15	W29	.568	8644	11.7	35	-F	C	2200	.50	.60		10
SACP	13	2153	2229	2159	N12	W27	.521	8644	11.9	36	-N	C		.38	.43		
GRP 2723	13	2319	2352	2334	S32	W85	.994	8632	7.6	33	1-		.50				2 2 2
CULG	13	2315	2341	2337	S32	W87	.996	8632	7.4	26	-N	C	2337	.21			
LOCK	13	2322	0003	2331	S32	W83	.990	8632	7.7	41	1F	C	2331	.90	3.10		10
GRP 2724	13	2323	2355	2334	S23	E29	.554	8647	16.1	32	1-		.82				1 1 1
LOCK	13	2323	2355	2334	S23	E29	.554	8647	16.1	32	-N	C	2334	.80	1.00		20
GRP 2725	13	2359	0025	0007	N25	E54	.866	8648	18.0	26	1-		.29				1 1 1
LOCK	13	2359	0025U	0007	N25	E54	.866	8648	18.0	26U	-F	C	0007	.30	.60		10
GRP 2726	14	0118	0133	0126	S31	W89	.998	8632	7.4	15	1-		.19				1 1 1
CULG	14	0118	0133	0126	S31	W89	.998	8632	7.4	15	-N	C	0126	.21			
GRP 2727	14	0142	0152	0145	S31	W89	.998	8632	7.4	10	1-		.19				1 1 1
CULG	14	0142	0152	0145	S31	W89	.998	8632	7.4	10	-N	C	0145	.21			
GRP 2728	14	0327	0358	0334	N15	W77	.980	8638	8.4	31	1		.78				2 2 2
CULG	14	0321	0405	0333	N15	W80	.989	8638	8.1	44	-R	C	0333	.41			
KODA	14	0333	0350	0335	N14	W74	.969	8638	8.6	17	1B	V	0335	1.29	2.48		DB
GRP 2729	14	0352	0423	0406	N29	W75	.982	8637	8.5	31	1-		.28				1 1 1
CULG	14	0352	0423D	0406	N29	W75	.982	8637	8.5	31D	-N	P	0406	.31			
GRP 2730	14	0409	0417	0412	S31	W89	.998	8632	7.5	8	1-		.28				1 1 1
CULG	14	0409	0417	0412	S31	W89	.998	8632	7.5	8	-N	C	0412	.31			
GRP 2731	14	0645	0717	0706	N23	W64	.928	8639	9.5	32	1-		.37				1 1 1
CULG	14	0645	0717	0706	N23	W64	.928	8639	9.5	32	-N	C	0706	.41			
GRP 2732	14	0750	0810		S22	E20	.441	8647	15.8	20	1-		.31				1 1 1
MONT	14	0750	0810		S22	E20	.441	8647	15.8	20	-N	C	0754	.31	.70		0
GRP 2733	14	0955	1008	0959	N29	E85	.999	8649	20.8	13	1-		.50				1 1 1
ATHN	14	0955	1008	0959	N29	E85	.999	8649	20.8	13	-N	1	0959	.50	1.30		
GRP 2734	14	1027	1047	1031	N13	W78	.983	8638	8.6	20	1		.85				2 2 2
CAPS	14	1027	1039		N14	W80	.989	8638	8.4	12	1N	3	1031	.70			182
ATHN	14	1027E	1054	1031	N12	W76	.976	8638	8.7	27D	1B	1	1031	.99	2.00		

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	DATE 1967 JAN	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME - UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
GRP 2735	14	105A	1142	1130	N30	E88	1.000	8649	21.1	44	1							4 4 3	
ATHN	14	1056	1124	1115	N30	E83	.998	8649	20.7	28	-N	1	1115	1.19		1.90			
MONT	14	1100	1200		N31	E90	1.001	8649	21.2	60	1N			.50				0	
CATA	14	1115E	1150D	1130	N32	E90	1.001	8649	21.2	35D	1N		1130	.59			174		
MERS	14	1126E	1148D	1140U	N28	E90	1.001	8649	21.2	22D	1	2	1133	1.55				AD	
GRP 2736	14	1143	1152		N30	E88	1.000	8649	21.1	9	1			.24				1 1 1	
HUAN	14	1143E	1152		N30	E88	1.000	8649	21.1	9D	-N	1	P 1143	.36				D	
GRP 2737	14	1305	1328	1307	N14	W37	.657	8644	11.8	23	1-			1.16				1 1 1	
ATHN	14	1305E	1328	1307	N14	W37	.657	8644	11.8	23D	-N	1	1307	1.16	1.50	1.50			
GRP 2738	14	1514	1601	1549	N29	E80	.993	8649	20.6	47	1-			1.04				1 1 1	
SACP	14	1514	1601	1549	N29	E80	.993	8649	20.6	47	-N			1.16					
GRP 2739	14	1536	1547	1539	S22	E17	.408	8647	15.9	11	1-			.20				2 2 2	
SACP	14	1534	1550	1539	S22	E17	.408	8647	15.9	16	-N			.18	.17				
HUAN	14	1537	1544		S21	E17	.397	8647	15.9	7	-F	1	C 1539	.25	.25			D	
GRP 2740	14	1611	1634	1620	N30	E84	.999	8649	21.0	23	1-			.54				2 2 2	
SACP	14	1610	1635	1620	N29	E79	.992	8649	20.6	25	-N			.98					
HUAN	14	1612	1632		N30	E88	1.000	8649	21.3	20	-F	1	C 1620	.31				D	
GRP 2741	14	1637	1730	1702	N29	E82	.996	8649	20.8	53	1			.13				3 3 3	
LOCK	14	1635	1750	1700	N28	E83	.997	8649	20.9	75	2N		C 1700	2.00	6.80		20	L	
HUAN	14	1637	1718		N31	E85	.999	8649	21.1	41	-N	1	C 1702	.67					
SACP	14	1640	1723	1703	N29	E77	.987	8649	20.5	43	1N			1.87					
GRP 2742	14	1650	1730	1700	S22	E16	.398	8647	15.9	40	1-			.50				1 1 1	
LOCK	14	1650	1730	1700	S22	E16	.398	8647	15.9	40	-F			.50	.60		10		
GRP 2743	14	1735	1830	1750	S22	E16	.398	8647	15.9	55	1-			.29				1 1 1	
LOCK	14	1735	1830	1750A	S22	E16	.398	8647	15.9	55	-F			.30	.33		10		
GRP 2744	14	1738	1848	1753	N15	W40	.696	8644	11.7	70	1+			2.32				3 3 3	
SACP	14	1737	1858	1805	N15	W40	.696	8644	11.7	81	1N			3.03	3.53				
HUAN	14	1739	1842	1748	N15	W39	.685	8644	11.8	63	1N	1	C 1748	1.91	2.24			E	
LOCK	14	1739	1845	1753	N15	W40	.696	8644	11.7	66	1B			2.30	3.20		30		
GRP 2745	14	1917	1926	1919	N15	W40	.696	8644	11.8	9	1-			.40				1 1 1	
LOCK	14	1917	1926	1919	N15	W40	.696	8644	11.8	9	-F			.40	.60		10		
GRP 2746	14	2005	2020	2017	N20	W68	.946	8639	9.7	15	1-			.36				1 1 1	
LOCK	14	2005	2020	2017	N20	W68	.946	8639	9.7	15	-F			.40	1.00		10		
GRP 2747	14	2011	2022	2014	N29	W78	.990	8637	9.0	11	1-			.25				1 1 1	
LOCK	14	2011	2022	2014	N29	W78	.990	8637	9.0	11	-F			.30	.90		10		
GRP 2748	14	2110	2148	2140	N23	W69	.954	8639	9.7	38	1-			.47				2 2 2	
LOCK	14	2110	2150	2140	N22	W68	.948	8639	9.8	40	-F			.50	1.30		10	J	
HUAN	14	2118E	2146		N23	W69	.954	8639	9.7	28D	-F	1	P 2123	.70					
GRP 2749	14	2257	2306	2300	N26	W70	.962	8637	9.7	9	1-			.23				3 3 3	
SACP	14	2256	2307	2300	N25	W68	.952	8637	9.9	11	-N			.27	.54				
LOCK	14	2257	2304	2300	N26	W69	.958	8637	9.8	7	-N			.30	.80		10		
CULG	14	2258	2307	2300	N27	W72	.971	8637	9.6	9	-N			.21					
GRP 2750	14	2317	0011	2325	N22	W71	.962	8639	9.6	54	2-			2.27				3 2 2	
SACP	14	2314	2359	2325	N23	W69	.954	8639	9.8	45	2N			2.67	5.46				
LOCK	14	2320	0005	2326	N20	W70	.956	8639	9.7	45	2B			2.10	5.70		30		
CULG	14	2329E	0029	0002	N24	W75	.979	8637	9.4	60D	-N			.83					
GRP 2751	15	0043	0145	0053	N24	W75	.979	8637	9.4	62	1-			.56				1 1 1	
CULG	15	0043	0145	0053	N24	W75	.979	8637	9.4	62	-N			.62					
GRP 2752	15	0316	0404	0322	N27	E80	.993	8649	21.1	48	1-			.65				1 1 1	
CULG	15	0316	0404	0322	N27	E80	.993	8649	21.1	48	-F			.72					
GRP 2753	15	0436	0502	0442	N16	W47	.775	8644	11.7	26	1-			1.37				1 1 1	
MITK	15	0436	0502	0442	N16	W47	.775	8644	11.7	26	1F			1.86	2.80			E	
GRP 2754	15	0757	0818		N15	W48	.782	8644	11.7	21	1-			.92				1 1 1	
BUCA	15	0757E	0818D		N15	W48	.782	8644	11.7	21D	1F			1.32	2.10				
GRP 2755	15	0850	1010	0905	N15	W47	.772	8644	11.8	80	1-			1.08				4 2 2	
ARCE	15	0850E	0910D	0900	N16	W49	.795	8644	11.7	20D	-F			1.12	1.80				
MONT	15	0905E	0950		N15	W47	.772	8644	11.9	45D	1N			1.03	3.50			0	
ATHN	15	0906E	0929D	0909	N13	W48	.775	8644	11.8	23D	1N	2		1.65	2.40				
BUCA	15	0930E	1029D		N14	W45	.747	8644	12.0	59D	-F			.88	1.30				
GRP 2756	15	0947	1013		S22	E04	.307	8647	15.7	26	1-			.39				1 1 1	
BUCA	15	0947E	1013D		S22	E04	.307	8647	15.7	26D	-F			.55	.60				
GRP 2757	15	1046	1104	1049	N16	W41	.713	8644	12.4	18	1-			1.13				4 4 4	
ATHN	15	1045	1103	1048	N15	W40	.697	8644	12.4	18	1N	2		1.82	2.50	1.80			
MONT	15	1047	1105	1050	N16	W42	.724	8644	12.3	18	-R			.52	1.70			0	
CAPS	15	1048E	1053D		N17	W41	.718	8644	12.4	5D	-F	3		1.00	1.40		147	C	
BUCA	15	1048E	1059D		N16	W40	.702	8644	12.5	11D	1N			1.66	2.30				
GRP 2758	15	1054	1105	1056	S20	E02	.269	8647	15.6	11	1-			.33				1 1 1	
ATHN	15	1054	1105	1056	S20	E02	.269	8647	15.6	11	-N	2		.33	.30	1.40			
GRP 2759	15	1250	1255	1251	S22	E03	.304	8647	15.8	5	1-			.26				1 1 1	
ATHN	15	1250	1255	1251	S22	E03	.304	8647	15.8	5	-N	2		.26	.30	1.80			

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE 1967 JAN	START	END	MAX. PHASE	APPROX. LAT.	MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
GRP 2760	15	1610	1630	1618	S22	W01	.300	8647	15.6	20	1-							1 1 1	
LOCK	15	1610E	1630	1618	S22	W01	.300	8647	15.6	20D	-F	C	1618	.82	.90			H	
GRP 2761	15	1634	1644	1638	N13	W51	.805	8644	11.9	10	1-							1 1 1	
LOCK	15	1634	1644	1638	N13	W51	.805	8644	11.9	10	-F	C	1638	.40	.70				
GRP 2762	15	1732	1805	1742	S25	E09	.378	8647	16.4	33	1-							1 1 1	
LOCK	15	1732	1805	1742	S25	E09	.378	8647	16.4	33	-N	C	1742	.29	.32				
GRP 2763	15	1737	1748	1740	N13	W52	.814	8644	11.8	11	1-							1 1 1	
LOCK	15	1737	1748	1740	N13	W52	.814	8644	11.8	11	-F	C	1740	.29	.50				
GRP 2764	15	1819	1828	1821	S22	W02	.302	8647	15.6	9	1-							1 1 1	
LOCK	15	1819	1828	1821	S22	W02	.302	8647	15.6	9	-N	C	1821	.40	.42			H	
GRP 2765	15	1820	1835	1823	N16	E90	1.000	8650	22.5	15	1-							1 1 1	
LOCK	15	1820	1835	1823	N16	E90	1.000	8650	22.5	15	-F	C	1823	.25	1.20			H	
GRP 2766	15	1925	1945	1945	S22	W02	.302	8647	15.7	20	1-							1 1 1	
LOCK	15	1925	1945D	1945	S22	W02	.302	8647	15.7	20D	-F	C	1945	.50	.60			H	
GRP 2767	15	1957	2005	2000	S22	W02	.302	8647	15.7	8	1-							1 1 1	
LOCK	15	1957	2005	2000	S22	W02	.302	8647	15.7	8	-N	C	2000	.50	.60				
GRP 2768	15	2009	2014	2010	S22	W00	.300	8647	15.8	5	1-							1 1 1	
SACP	15	2009	2014	2010	S22	W00	.300	8647	15.8	5	-N	C		.41	.44				
GRP 2769	15	2027	2033	2030	S22	W02	.302	8647	15.7	6	1-							1 1 1	
LOCK	15	2027	2033	2030	S22	W02	.302	8647	15.7	6	-N	C	2030	.40	.42				
GRP 2770	15	2047	2103	2048	S22	W01	.300	8647	15.8	16	1-							3 3 3	
LOCK	15	2046	2055	2048	S22	W02	.302	8647	15.7	9	-R	C	2048	.50	.80			30	
HUAN	15	2047	2050		S22	W00	.300	8647	15.9	3	-F	1	C	2048	.70	.47			D
CULG	15	2047	2125	2048	S21	W01	.284	8647	15.8	38	-R	C	2048	.46	.42				
GRP 2771	15	2051	2058	2053	S27	E11	.419	8647	16.7	7	1-							1 1 1	
LOCK	15	2051	2058	2053	S27	E11	.419	8647	16.7	7	-F	C	2053	.40	.42				
GRP 2772	15	2123	2130	2126	S22	W04	.307	8647	15.6	7	1-							1 1 1	
LOCK	15	2123	2130	2126	S22	W04	.307	8647	15.6	7	-F	C	2126	.29	.80				
GRP 2773	15	2242	2304	2251	S22	W02	.302	8647	15.8	22	1-							1 1 1	
LOCK	15	2242	2304	2251	S22	W02	.302	8647	15.8	22	-F	C	2251	.71	.80				
GRP 2774	15	2306	2327	2316	N24	W90	1.001	8637	9.2	21	1-							2 2 2	
LOCK	15	2303	2315	2305	N28	W90	1.001	8637	9.2	12	-F	C	2305	.32	.80			10	
CULG	15	2308	2339	2316	N20	W90	1.000	8639	9.2	31	-B	C	2316	.20	.52				
GRP 2775	15	2311	2333	2316	N18	E83	.996	8650	22.2	22	1-							2 2 2	
LOCK	15	2308	2330	2313	N16	E82	.994	8650	22.1	22	1N	C	2313	1.05	4.40			20	
SACP	15	2313	2335	2319	N20	E83	.996	8650	22.2	22	-N	C		.30					
GRP 2776	15	2311	2340	2320	N14	W59	.878	8644	11.5	29	1-							1 1 1	
LOCK	15	2311	2340	2320	N14	W59	.878	8644	11.5	29	-N	C	2320	.50	1.00			20	
GRP 2777	16	0032	0101	0042	N16	W58	.874	8644	11.7	29	1							2 2 2	
MITK	16	0032	0100	0040	N16	W58	.874	8644	11.7	28	1R	C	0040	1.38	3.30			E	
MANI	16	0034E	0102	0043	N16	W57	.866	8644	11.7	28D	1N	1	0043	1.55	3.38				
GRP 2778	16	0331	0353	0338	S22	W06	.314	8647	15.7	22	1-							2 2 2	
CULG	16	0324E	0353	0338	S21	W06	.298	8647	15.7	29D	-N	P	0338	.33	.32			L	
HALE	16	0337	0342D	0338	S22	W06	.314	8647	15.7	50	-N	3	0338	.31	.32			F	
GRP 2779	16	0950	1000		N17	E88	1.000	8650	23.0	10	1-							1 1 1	
ARCE	16	0950E	1000D		N17	E88	1.000	8650	23.0	10D	-N	C	0950	.31	1.50				
GRP 2780	16	1031	1045	1037	S27	E00	.380	8647	16.4	14	1-							2 2 2	
MONT	16	1025	1050		S26	E02	.366	8647	16.6	25	-N	C	1030	.30	.60			O	
UCCL	16	1036	1040	1037	S27	W02	.382	8647	16.3	4	-N	C	1037	.26	.60			EIL	
GRP 2781	16	1146	1200		S25	E01	.348	8647	16.6	14	1-							1 1 1	
MONT	16	1146	1200		S25	E01	.348	8647	16.6	14	-F	C	1150	.36	.80			O	
GRP 2782	16	1230	1330		N19	E85	.998	8650	22.9	60	1-							1 1 1	
HUAN	16	1230E	1330D		N19	E85	.998	8650	22.9	60D	-F	1	C	1242	.17	.25			E.
GRP 2783	16	1245	1308		N26	W90	1.001	8644	9.8	23	1							1 1 1	
HUAN	16	1245	1308		N26	W90	1.001	8644	9.8	23	-N	1	C	1254	.53	.88			
GRP 2784	16	1251	1258	1254	N19	W90	1.000	8644	9.8	7	1							1 1 1	
HUAN	16	1251	1258	1254	N19	W90	1.000	8644	9.8	7	-N	2	C	1254	.42	.67			
GRP 2785	16	1457	1500	1459	S27	W02	.382	8647	16.5	3	1-							1 1 1	
SACP	16	1457	1500	1459	S27	W02	.382	8647	16.5	3	-N	C		.77	.86				
GRP 2786	16	1514	1517	1516	S21	W12	.343	8647	15.7	3	1-							1 1 1	
SACP	16	1514	1517	1516	S21	W12	.343	8647	15.7	3	-F	C		.43	.47				
GRP 2787	16	1527	1534	1530	S27	W01	.381	8647	16.6	7	1-							1 1 1	
SACP	16	1527	1534	1530	S27	W01	.381	8647	16.6	7	-F	C		.94	1.04				
GRP 2788	16	1813	1828	1820	N27	W88	1.000	8644	10.2	15	1-							1 1 1	
SACP	16	1813	1828U	1820	N27	W88	1.000	8644	10.2	15U	-N	C		.34	.38				
GRP 2789	16	1933	2000	1943	S28	W03	.399	8647	16.6	27	1-							3 3 3	
LOCK	16	1930	2000	1945	S28	W03	.399	8647	16.6	30	-N	C	1945	.86	.90			H	
SACP	16	1931	2009	1943	S28	W03	.399	8647	16.6	38	-N	C		.80	1.17	1.16		20	
HUAN	16	1939	1951	1942	S28	W03	.399	8647	16.6	12	-F	1	C	1942	.80	.81			D

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMT PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.												
GRP	1967 JAN																	
GRP	2790	16 2006	2022	2011	N19	E82	.994	8650	23.0	16	1-						3 3 3	
LOCK	16 2005	2027	2012	N19	E82	.994	8650	23.0	22	-N	C	2012	.40	1.40		20	H	
SACP	16 2006	2012	2009	N19	E80	.991	8650	22.8	6	-N	C		.20					
HUAN	16 2006	2026		N20	E85	.999	8650	23.2	20	-N	1 C	2009	.25				E	
GRP	2791	16 2105	2134	2114	N14	E78	.983	8650	22.7	29	1-		.34				1 1 1	
LOCK	16 2105	2134	2114	N14	E78	.983	8650	22.7	29	-N	C	2114	.40	1.20		10	H	
GRP	2792	16 2234	2252	2237	N15	E79	.987	8650	22.9	18	1-		.53				2 2 2	
LOCK	16 2233	2251	2237	N14	E78	.983	8650	22.8	18	-N	C	2237	.60	1.90		20	H	
SACP	16 2234	2253	2236	N15	E79	.987	8650	22.9	19	-N	C		.58					
GRP	2793	17 0036	0041	0038	N15	W82	.994	8644	10.9	5	1		.43				1 1 1	
MITK	17 0036	0041	0038	N15	W82	.994	8644	10.9	5	1F	C	0038	.62				E	
GRP	2794	17 0313	0320		N16	W79	.987	8644	11.2	7	1-		.32				1 1 1	
MANI	17 0313F	0320		N16	W79	.987	8644	11.2	7D	-N	2	0315	.41	1.10				
GRP	2795	17 0854	0911	0859	N13	E55	.843	8650	21.5	17	1-		.65				4 4 4	
ARCE	17 0850	0910	0900	N13	E54	.834	8650	21.4	20	-N	C	0900	.60	1.00				
UCCL	17 0855	0915		N11	E57	.856	8650	21.6	20	1N	P	0906	1.03				D	
ATHA	17 0856	0908	0858	N12	E53	.822	8650	21.3	12	-N	1	0858	.76	1.30	1.90			
CATA	17 0858E	0906D	0900	N15	E54	.839	8650	21.4	8D	-N		0900	.51	1.00		166		
GRP	2796	17 0922	0927	0925	S22	W27	.520	8647	15.4	5	1-		.71				1 1 1	
UCCL	17 0922	0927	0925	S22	W27	.520	8647	15.4	5	-N	C	0925	1.03	1.50			DI	
GRP	2797	17 1025	1033	1027	N20	W85	.999	8644	11.1	8	1-		.72				1 1 1	
UCCL	17 1025	1033	1027	N20	W85	.999	8644	11.1	8	1N	C	1027	1.03				D	
GRP	2798	17 1237	1243	1239	S25	E80	.981	8652	23.5	6	1-		.72				1 1 1	
UCCL	17 1237F	1243	1239	S25	E80	.981	8652	23.5	6D	1N	P	1239	1.03				EG	
GRP	2799	17 1254	1254		N28	E58	.904	8655	21.9	1-							1 1 0	
CAPS	17 1254F	1254D		N28	E58	.904	8655	21.9	1-	-F	2						G	
GRP	2800	17 1455	1510	1502	N15	E71	.956	8650	22.9	15	1-		.46				2 2 2	
SACP	17 1453	1510	1502	N14	E71	.956	8650	22.9	17	-N	C		.77	1.58				
HUAN	17 1457	1510	1502	N15	E71	.956	8650	22.9	13	-F	1 C	1502	.31				E	
GRP	2801	17 1650	1657	1653	S26	W28	.562	8647	15.6	7	1-		.63				3 3 3	
LOCK	17 1648	1658	1653	S26	W27	.551	8647	15.7	10	-N	C	1653	1.00	1.20		20		
HUAN	17 1650E	1656D	1652	S26	W28	.562	8647	15.6	6D	-F	2 C	1652	.31	.33			E	
MCMA	17 1652	1656	1653	S27	W28	.570	8647	15.6	4	-N	C	1653	.41	.50			E	
GRP	2802	17 1740	1750	1743	N18	E65	.927	8650	22.6	10	1-		.51				3 3 3	
SACP	17 1740	1750	1743	N19	E64	.922	8650	22.5	10	-F	C		.76	1.34				
LOCK	17 1740	1750	1743	N17	E66	.932	8650	22.7	10	-F	C	1743	.70	1.60		10	H	
HUAN	17 1741	1749		N19	E66	.934	8650	22.7	8	-F	1 C	1743	.25				E	
GRP	2803	17 1820	1838	1826	N17	W84	.997	8644	11.5	18	1-		.33				4 3 3	
LOCK	17 1820	1837	1825	N16	W82	.994	8644	11.6	17	-F	C	1825	.40	1.40		10		
SACP	17 1820	1840	1827	N18	W81	.992	8644	11.7	20	-F	C		.48					
HUAN	17 1821	1838		N18	W88	1.000	8644	11.2	17	-N	1 C	1826	.31				E	
MCMA	17 1828E	1830D		N15	W85	.998	8644	11.4	2D	-F	C	1829	.31				D	
GRP	2804	17 2059	2110	2103	N14	E67	.934	8650	22.9	11	1-		.47				3 3 3	
SACP	17 2058	2110	2103	N15	E67	.935	8650	22.9	12	-N	C		.67	1.22				
HUAN	17 2059	2109		N15	E68	.941	8650	23.0	10	-F	1 P	2102	.31				E	
LOCK	17 2059	2110	2102	N13	E67	.933	8650	22.9	11	-F	C	2102	.60	1.40		20		
GRP	2805	17 2115	2135	2123	S26	E70	.939	8652	23.1	20	1-		.47				1 1 1	
LOCK	17 2115	2135	2123	S26	E70	.939	8652	23.1	20	-F	C	2123	.50	1.20		10		
GRP	2806	17 2239	2305	2245	N20	E60	.898	8650	22.4	26	1-		.29				1 1 1	
LOCK	17 2239	2305	2245	N20	E60	.898	8650	22.4	26	-F	C	2245	.30	.60		10		
GRP	2807	17 2307	2339	2321	N17	E60	.892	8650	22.5	32	1		1.06				4 3 3	
LOCK	17 2307	2335	2320	N17	E61	.899	8650	22.5	28	1N	C	2320	1.00	2.10		20		
MANI	17 2315F	2336	2317	N16	E57	.867	8650	22.2	21D	1N	1	2317	1.55	2.85				
HALE	17 2317F	2342	2320	N18	E60	.894	8650	22.5	25D	-N	3 P	2320	.62	1.40			F	
SACP	17 2324F	2342	2325	N17	E60	.892	8650	22.5	18D	-F	C		.97	1.54				
GRP	2808	18 0030	0049		N19	E59	.889	8650	22.4	19	1		1.24				1 1 1	
HALF	18 0030E	0049		N19	E59	.889	8650	22.4	19D	1F	2 P	0030	1.03	2.30			F	
GRP	2809	18 0123	0355	0142	N16	E63	.911	8650	22.8	152	1-		.55				1 1 1	
HALF	18 0123	0355D	0142U	N16	E63	.911	8650	22.8	152D	-N	3 P	0142	.46				F	
GRP	2810	18 0138	0146	0142	S25	E65	.909	8652	22.9	8	1-		.12				1 1 1	
HALE	18 0138	0146	0142	S25	E65	.909	8652	22.9	8	-N	3 C	0142	.10					
GRP	2811	18 0252	0300		S26	E62	.889	8652	22.8	8	1-		.16				1 1 1	
MANT	18 0252	0300		S26	E62	.889	8652	22.8	8	-F	2	0253	.21	.40				
GRP	2812	18 0256	0310	0259	S26	W24	.518	8647	16.3	14	1-		.74				1 1 1	
HALE	18 0256	0310	0259U	S26	W24	.518	8647	16.3	14	-F	3 C	0259	.62	.70			F	
GRP	2813	18 0450	0512	0453	N15	W87	1.000	8644	11.7	22	1-		.42				1 1 1	
MANT	18 0450E	0512	0453	N15	W87	1.000	8644	11.7	22D	-N	2	0453	.52	1.60				
GRP	2814	18 0616	0654	0623	N18	E56	.864	8650	22.5	38	1		1.60				4 4 4	
MITK	18 0616F	0640D	0622	N17	E55	.853	8650	22.4	24D	1F	C	0622	1.34	2.60			F	
ATHA	18 0616F	0645	0616	N18	E58	.879	8650	22.6	29D	1R	1	0616	1.65	3.20	2.00			
SIBE	18 0617E	0650D	0624	N17	E56	.861	8650	22.5	33D	1N	C	0624	1.90	3.50		84	EC	
MANI	18 0617	0707	0624	N16	E54	.842	8650	22.3	50	1R	2	0624	2.17	3.80			FK	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IMPOR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 2815	18	0636	0705	0652	N24	E58	.894	8650	22.6	29	1+			1.65				2 2 2	
MITK	18	0635E	0700D		N20	E58	.884	8650	22.6	25D	1N	C	0638	1.55	3.10			F	
KODA	18	0637	0705	0652	N27	E58	.902	8650	22.6	28	2N	C	0642	2.26	5.30	2.08			
GRP 2816	18	0741	0755	0745	N14	W88	1.000	8644	11.7	14	1-			.20				1 1 1	
MANI	18	0741E	0755	0745	N14	W88	1.000	8644	11.7	14D	-F	2	0745	.26	.80				
GRP 2817	18	1127	1136	1129	S22	W28	.531	8647	16.4	9	1-			.26				2 2 2	
HUAN	18	1126	1136	1128	S21	W32	.574	8647	16.1	10	-F	2	C	1128	.21	.22		E	
ATHN	18	1128	1136	1130	S23	W24	.492	8647	16.7	8	-F	2	C	1130	.33	.40	1.10		
GRP 2818	18	1131	1141	1135	N16	W90	1.000	8644	11.7	10	1-			.24				1 1 1	
HUAN	18	1131	1141	1135	N16	W90	1.000	8644	11.7	10	-F	2	C	1135	.36			E	
GRP 2819	18	1435	1452		N19	E53	.842	8650	22.6	17	1-			.43				1 1 1	
HUAN	18	1435	1452		N19	E53	.842	8650	22.6	17	-F	1	C	1439	.52	.72		E	
GRP 2820	18	1520	1532		S17	E57	.839	8651	22.9	12	1-			.76				1 1 1	
MCMA	18	1520E	1532		S17	E57	.839	8651	22.9	12D	-F	C	1526	.52	1.00			EL	
GRP 2821	18	1618	1623	1620	N21	E90	1.000	8659	25.4	5	1-			.25				1 1 1	
LOCK	18	1618	1623	1620	N21	E90	1.000	8659	25.4	5	-F	C	1620	.30	1.20		10		
GRP 2822	18	1633	1652	1637	S23	W32	.585	8647	16.3	19	1-			1.06				2 2 2	
LOCK	18	1631	1655	1637	S23	W33	.597	8647	16.2	24	-N	C	1637	1.10	1.40		20		
MCMA	18	1635	1648	1637	S23	W30	.562	8647	16.4	13	-N	C	1637	.67	.90			E	
GRP 2823	18	1658	1712	1702	N18	E53	.839	8650	22.7	14	1-			.61				1 1 1	
LOCK	18	1658	1712	1702	N18	E53	.839	8650	22.7	14	-N	C	1702	.60	1.10		20		
GRP 2824	18	1755	1807	1800	S17	E55	.821	8651	22.9	12	1-			.40				1 1 1	
LOCK	18	1755	1807	1800	S17	E55	.821	8651	22.9	12	-F	C	1800	.40	.70		10		
GRP 2825	18	2003	2021	2010	N21	E89	1.000	8659	25.5	18	1			1.22				4 3 4	
SACP	18	2002	2026	2010	N22	E88	1.000	8659	25.4	24	1B	C		1.05					
LOCK	18	2003	2022	2011	N21	E90	1.000	8659	25.6	19	1N	C	2011	1.10	4.40		20		
HALE	18	2004	2015	2008	N22	E88	1.000	8659	25.4	11	1N	3	C	2008	1.03				
MCMA	18	2005E	2017D	2009	N18	E90	1.000	8659	25.6	12D	1B	P	2009	1.03					
GRP 2826	18	2011	2017	2014	N14	E51	.809	8650	22.7	6	1-			.29				1 1 1	
LOCK	18	2011	2017	2014	N14	E51	.809	8650	22.7	6	-F	C	2014	.30	.50		10		
GRP 2827	18	2021	2032	2024	S24	W36	.637	8647	16.1	11	1-			.50				2 2 2	
LOCK	18	2021	2027	2022	S25	W36	.643	8647	16.1	6	-F	C	2022	.80	1.00		10		
HALE	18	2021	2037	2026	S23	W35	.620	8647	16.2	16	-N	3	C	2026	.15	.20			
GRP 2828	18	2033	2044	2038	N28	E54	.879	8655	22.9	11	1-			.27				2 2 2	
LOCK	18	2029	2045	2037	N27	E54	.875	8655	22.9	16	-F	C	2037	.30	.60		10		
HALE	18	2037	2042	2038	N28	E53	.872	8655	22.8	5	-F	3	C	2038	.21	.40			
GRP 2829	18	2039	2055	2042	N20	E51	.828	8650	22.7	16	1-			.61				1 1 1	
LOCK	18	2039	2055	2042	N20	E51	.828	8650	22.7	16	-F	C	2042	.60	1.00		10		
GRP 2830	18	2052	2101	2054	N17	E76	.979	8659	24.6	9	1-			.35				1 1 1	
LOCK	18	2052	2101	2054	N17	E76	.979	8659	24.6	9	-F	C	2054	.40	1.10		10		
GRP 2831	18	2100	2115	2112	N14	E51	.809	8650	22.7	15	1-			.26				1 1 1	
SACP	18	2100	2115	2112	N14	E51	.809	8650	22.7	15	-F	C		.29	.38				
GRP 2832	18	2114	2129	2120	S16	E53	.800	8651	22.9	15	1-			.71				1 1 1	
LOCK	18	2114	2129	2120	S16	E53	.800	8651	22.9	15	-F	C	2120	.70	1.20		10		
GRP 2833	18	2119	2135	2122	N15	E85	.998	8659	25.3	16	1-			.40				2 2 2	
CULG	18	2118	2135	2122	N15	E87	1.000	8659	25.4	17	-N	C	2122	.21					
LOCK	18	2119	2134	2122	N14	E82	.993	8659	25.0	15	1N	C	2122	.70	2.40		20		
GRP 2834	18	2225	2303	2250	N21	E90	1.000	8659	25.7	38	1-			.51				1 1 1	
LOCK	18	2225	2303	2250	N21	E90	1.000	8659	25.7	38	1F	C	2250	.60	2.40		10		
GRP 2835	18	0002	0023	0010	N20	E83	.996	8659	25.2	21	1-			.57				2 2 2	
LOCK	18	2359	0023	0012	N20	E90	1.000	8659	25.7	24	1F	C	0012	.60	2.40		10		
SACP	19	0004	0011D	0008	N20	E76	.980	8659	24.7	7D	-N	C		.70					
GRP 2836	19	0612	0648	0629	N17	E44	.751	8650	22.6	36	1+			2.71				5 5 5	
CULG	19	0605	0823D		N20	E45	.774	8650	22.6	138D	1B	C		1.55	2.25				
MITK	19	0608	0640D	0625	N18	E43	.746	8650	22.5	32D	2N	C	0625	4.02	6.10			F	
ATHN	19	0613F	0648	0617	N17	E45	.761	8650	22.6	35D	1B		0617	2.48	3.70	2.00			
MANI	19	0615	0646	0630	N14	E43	.727	8650	22.5	31	1N	1	0630	2.89	3.97			F	
SIBE	19	0620	0651	0631	N16	E43	.736	8650	22.5	31	2N	C	0631	4.17	6.10		111	E	
GRP 2837	19	0759	0805	0801	N28	E45	.813	8655	22.7	6	1-			.33				1 1 1	
ATHN	19	0759	0805	0801	N28	E45	.813	8655	22.7	6	-N	2	0801	.33	.60	1.50			
GRP 2838	19	1456	1510	1501	S23	W47	.752	8647	16.1	14	1-			.52				1 1 1	
SACP	19	1456	1510	1501	S23	W47	.752	8647	16.1	14	-F	C		.58	.71				
GRP 2839	19	1717	1749	1721	N18	E67	.939	8659	24.7	32	1-			.79				4 3 3	
SACP	19	1716	1741	1721	N17	E66	.932	8659	24.7	25	-N	C		.86	1.55				
HUAN	19	1717	1730D		N17	E68	.943	8659	24.8	13D	-B	1	P	1721	.93				
MCMA	19	1718	1752	1721	N18	E66	.933	8659	24.7	34	-B	C	1721	.62	1.60			E	
HALE	19	1730E	1755	1730U	N18	E69	.950	8659	24.9	25D	1N	1	P	1730	.62				
GRP 2840	19	1730	1920	1850	N12	E19	.428	8654	21.2	110	1-			.37				1 1 1	
HALE	19	1730E	1920	1850	N12	E19	.428	8654	21.2	110D	-N	1	P	1850	.31	.32			
GRP 2841	19	1820	1828	1823	N19	E44	.760	8650	23.1	8	1-			.25				1 1 1	
HALE	19	1820	1828	1823	N19	E44	.760	8650	23.1	8	-F	1	C	1823	.21	.30			

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS		
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMAATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %			
					LAT.	MER. DIST.														
	1967 JAN																			
GRP 2842	19	1910	1930	1914	N30	W53	.879	8646	15.8	20	1-							1	1	1
HALE	19	1910	1930	1914	N30	W53	.879	8646	15.8	20	-N	1	C	1914	.25	.40				
GRP 2843	19	2052	2116	2103	S17	E48	.749	8651	23.5	24	1-							1	1	1
LOCK	19	2052	2116	2103	S17	E48	.749	8651	23.5	24	-F		C	2103	.20	.30		10		
GRP 2844	19	2107	2125	2110	N12	E15	.384	8654	21.0	18	1-							1	1	1
LOCK	19	2107	2125	2110	N12	E15	.384	8654	21.0	18	-F		C	2110	.50	.60		10		
GRP 2845	19	2112	2125	2117	N21	E90	1.000	8659	26.6	13	1-							1	1	1
LOCK	19	2112	2125	2117	N21	E90	1.000	8659	26.6	13	-F		C	2117	.25	.30		10		
GRP 2846	20	0237	0303	0250	N11	E14	.362	8654	21.2	26	1-							1	1	1
HALE	20	0237	0303	0250	N11	E14	.362	8654	21.2	26	-R	2	C	0250	.49	.41	.42		F	
GRP 2847	20	0706	0718	0707	N18	E31	.619	8650	22.6	12	1-							1	1	1
CULG	20	0706	0718	0707	N18	E31	.619	8650	22.6	12	-N		C	0707	.47	.52	.65		F	
GRP 2848	20	0829	0837		N11	E07	.300	8654	20.9	8	1-							1	1	0
WEND	20	0829F	0837D		N11	E07	.300	8654	20.9	8D	-F									
GRP 2849	20	1103	1119		S21	W60	.868	8647	16.0	16	1-				1.24			2	2	1
WEND	20	1100F	1120D		S20	W58	.850	8647	16.1	20D	1F				3.09					
KAND	20	1105	1118		S21	W61	.876	8647	15.9	13	-N									
GRP 2850	20	1511	1554	1543	N16	E62	.905	8659	25.3	43	1F				1.81			3	3	3
WEND	20	1508F	1535D		N16	E62	.905	8659	25.3	27D	1F				4.13					
SACP	20	1511	1554	1543	N15	E62	.903	8659	25.3	43	1N		C		2.01	3.28				
MCMA	20	1514	1554	1542A	N16	E62	.905	8659	25.3	40	1B		C	1542	1.29	3.00			EKL	
GRP 2851	20	1525	1552	1535	N18	E27	.576	8650	22.7	27	1-				.43			1	1	1
SACP	20	1525	1552	1535	N18	E27	.576	8650	22.7	27	-N		C		.48	.51				
GRP 2852	20	1644	1658	1647	N16	E60	.891	8659	25.2	14	1-				.71			1	1	1
LOCK	20	1644	1658	1647	N16	E60	.891	8659	25.2	14	-N		C	1647	.70	1.40		20		
GRP 2853	20	1740	1754	1744	N17	E28	.579	8650	22.8	14	1-				.36			2	2	2
SACP	20	1737	1759	1742U	N18	E28	.587	8650	22.8	22	-F		C		.58	.62				
LOCK	20	1743	1748	1745	N15	E28	.562	8650	22.8	5	-F		C	1745	.20	.22		10		
GRP 2854	20	1752	1816	1759	N16	E61	.898	8659	25.3	24	1-				.85			4	4	4
LOCK	20	1752	1816	1759	N16	E61	.898	8659	25.3	24	-N		C	1758	.90	1.90		20	H	
HALE	20	1752	1814	1759	N15	E62	.903	8659	25.4	22	-N	2	C	1759	.31	.70				
SACP	20	1752	1815	1800	N15	E61	.896	8659	25.3	23	-N		C		1.14	1.84				
MCMA	20	1756F	1816	1800	N16	E60	.891	8659	25.2	20D	-N		C	1800	.72	1.60			EL	
GRP 2855	20	2044	2130	2050	N23	E63	.924	8659	25.6	46	1-				1.10			4	3	3
HALE	20	2043	2138	2049	N24	E62	.920	8659	25.5	55	-N	2	C	2049	.41				F	
SACP	20	2044	2114	2052	N23	E64	.930	8659	25.7	30	1N		C		2.10	3.76				
CULG	20	2045	2139	2049	N23	E64	.930	8659	25.7	54	1N		C	2049	1.03	2.25			FH	
LOCK	20	2057E	2127		N22	E63	.922	8659	25.6	30D	1B		C	2100	1.80	4.00		30		
GRP 2856	20	2123	2150	2130	N16	E61	.898	8659	25.5	27	1-				.47			2	2	2
CULG	20	2119	2200	2129	N16	E61	.898	8659	25.5	41	-N		C	2129	.62	1.20			J	
HALE	20	2126	2139	2131	N16	E60	.891	8659	25.4	13	-B	2	C	2131	.31	.70				
GRP 2857	20	2203	2220	2211	N11	W01	.276	8654	20.8	17	1-				.51			3	3	3
SACP	20	2200	2223U	2211	N11	W01	.276	8654	20.8	23U	-F				.67	.65				
LOCK	20	2204	2220	2211	N11	W01	.276	8654	20.8	16	-F		C	2211	.50	.60		10		
HALE	20	2205	2218	2210	N12	W01	.293	8654	20.8	13	-N	2	C	2210	.36	.40				
GRP 2858	20	2205	2330	2230	S17	E33	.566	8651	23.4	85	1-				.40			1	1	1
LOCK	20	2205	2330	2230	S17	E33	.566	8651	23.4	85	-F		C	2230	.40	.50		10	J	
GRP 2859	20	2216	2240	2224	N16	E63	.912	8659	25.7	24	1-				.48			2	2	2
HALE	20	2215	2235	2222	N17	E67	.938	8659	26.0	20	-N	2	C	2222	.21				F	
LOCK	20	2217	2245	2225	N14	E58	.871	8659	25.3	28	-F		C	2225	.70	1.40		10		
GRP 2860	20	2231	2244	2235	N21	W36	.693	8648	18.2	13	1-				.40			1	1	1
LOCK	20	2231	2244	2235	N21	W36	.693	8648	18.2	13	-F		C	2235	.40	.60		10		
GRP 2861	20	2320	2340	2325	N16	E62	.905	8659	25.6	20	1-				.78			2	2	2
LOCK	20	2320	2330	2325U	N14	E58	.871	8659	25.3	10	-F		C	2325	.70	1.40		10		
CULG	20	2320	2350	2341	N18	E65	.928	8659	25.8	30	-F		C	2341	.93					
GRP 2862	21	0120	0127	0123	N16	E61	.898	8659	25.6	7	1-				.37			1	1	1
CULG	21	0120	0127	0123	N16	E61	.898	8659	25.6	7	-N		C	0123	.41	.80				
GRP 2863	21	0216	0238	0223	N17	E61	.900	8659	25.7	22	1-				.43			2	2	2
CULG	21	0214	0238	0223	N18	E63	.915	8659	25.8	24	-N		C	0223	.41	1.40				
HALE	21	0217	0237	0223	N16	E58	.876	8659	25.4	20	-F	1	C	0223	.41	.90				
GRP 2864	21	0219	0238	0221	N15	E23	.506	8650	22.8	19	1-				.66			2	2	2
MITK	21	0218	0233	0222	N15	E23	.506	8650	22.8	15	-N		C	0222	.83	1.00			E	
HALE	21	0219	0242	0220	N15	E22	.495	8650	22.7	23	-N	1	C	0220	.62	.70			F	
GRP 2865	21	0321	0342	0330	N16	E55	.851	8659	25.3	21	1-				.55			2	2	2
CULG	21	0320	0332D	0330	N16	E56	.860	8659	25.3	12D	-N		P	0330	.41	.72				
MITK	21	0322	0342	0330	N16	E53	.834	8659	25.1	20	-N		C	0330	1.03	2.00				
GRP 2866	21	0425	0503	0437	N18	E56	.865	8659	25.4	38	1-				.74			3	3	3
CULG	21	0425	0459	0438	N18	E56	.865	8659	25.4	34	-N		C	0438	.83	1.62			F	
MITK	21	0425	0506	0435	N19	E56	.867	8659	25.4	41	1N		C	0435	1.75	3.30				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMA PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 2867	21	0531	0608	0537	N15	E24	.517	8650	23.0	37	1-						1 1 1		
MITK	21	0531	0608	0537	N15	E24	.517	8650	23.0	37	-F	C	0537	1.09					
GRP 2868	21	0608	0632		N15	E55	.849	8659	25.4	24	1-			1.55	1.80				
MITK	21	0608	0632 ^D		N15	E55	.849	8659	25.4	24	1-			1.76				1 1 1	
GRP 2869	21	0723	0750	0735	N12	W04	.302	8654	21.0	27	1-			2.27	4.10			2 2 2	
CULG	21	0723	0753 ^D	0738	N12	W05	.306	8654	20.9	30	-N	P	0738	.86	.60				
ATHN	21	0730 ^E	0746	0732	N12	W02	.296	8654	21.2	16	-N		1	0732	1.16	1.20	1.70		
GRP 2870	21	0838	0905	0841	N15	E54	.840	8659	25.4	27	1-			.76				4 4 3	
MONT	21	0838	0850 ^D	0841	N16	E55	.851	8659	25.5	12	-N	C	0841	.62	.80				
KAND	21	0838	0908		N12	E57	.859	8659	25.6	30	-N								
MANI	21	0839 ^E	0903	0841	N14	E49	.791	8659	25.0	24	-N			0841	.57	.91			
ATHN	21	0839	0905	0842	N16	E54	.843	8659	25.4	26	1B	2	2	0842	1.16	2.10	2.00		
GRP 2871	21	0926	0937	0921	N16	E55	.851	8659	25.5	11	1-			.83				2 1 1	
ATHN	21	0920	0931	0921	N16	E54	.843	8659	25.4	11	-N	2		0921	.83	1.50	1.70		
MONT	21	0931	0943	0934	N16	E55	.851	8659	25.5	12	-N	C	0934	.52	2.00				
GRP 2872	21	1344	1355	1347	N16	E53	.834	8659	25.5	11	1-			.62				1 1 1	
MONT	21	1344	1355 ^D	1347	N16	E53	.834	8659	25.5	11	-F	C	1347	.62	.80				
GRP 2873	21	1423	1443	1425	N16	E50	.807	8659	25.3	20	1-			.59				1 1 1	
MCMA	21	1423 ^E	1443 ^D	1425	N16	E50	.807	8659	25.3	20	-N	C	1425	.41	.70			E	
GRP 2874	21	1523	1605	1525	N16	E50	.807	8659	25.4	42	1-			.89				1 1 1	
MCMA	21	1523 ^E	1605 ^D	1525	N16	E50	.807	8659	25.4	42	-N	C	1525	.62	1.10			E	
GRP 2875	21	1655	1735	1703	N11	W10	.325	8654	21.0	40	1-			1.13				3 1 1	
SACP	21	1655	1720	1703	N10	W10	.311	8654	21.0	25	-F	C		1.25	1.23				
HALE	21	1714 ^E	1750	1716 ^U	N12	W11	.347	8654	20.9	36	-N	1	P	1716	.83	.90			F
MCMA	21	1715 ^E	1723 ^D		N12	W10	.339	8654	21.0	8	-F	C	1715	.31	.32			D	
GRP 2876	21	1734	1747	1736	N18	E13	.445	8650	22.7	13	1-			.57				1 1 1	
MCMA	21	1734 ^E	1747	1736	N18	E13	.445	8650	22.7	13	-F	P	1736	.41	.50			E	
GRP 2877	21	1749	1812	1800	N18	E37	.685	8659	24.5	23	1-			.47				2 2 2	
HALE	21	1749	1815	1756	N17	E35	.657	8659	24.4	26	-N	1	C	1756	.31	.40			F
MCMA	21	1800 ^E	1809	1803	N18	E38	.695	8659	24.6	9	-F	P	1803	.41	.60			EH	
GRP 2878	21	1840	1928	1859	N16	E48	.788	8659	25.4	48	1-			.61				3 3 3	
MCMA	21	1833 ^E	1905 ^D		N18	E46	.776	8659	25.2	32	-N	C	1840	.36	.60			E	
LOCK	21	1840	1915	1900	N14	E49	.791	8659	25.5	35	-F	C	1900	.80	1.30			10	
HALE	21	1847	1940	1857	N17	E48	.791	8659	25.4	53	-N	1	C	1857	.41	.60			F
GRP 2879	21	1845	1917	1901	S17	W82	.987	8647	15.6	32	1-			.25				1 1 1	
LOCK	21	1845	1917	1901	S17	W82	.987	8647	15.6	32	-F	C	1901	.30	1.00			10	
GRP 2880	21	1901	1914	1905	N15	E90	1.000	8663	28.5	13	1-			.25				1 1 1	
LOCK	21	1901	1914	1905	N15	E90	1.000	8663	28.5	13	-F	C	1905	.30	1.20			10	
GRP 2881	21	1903	1920	1907	N19	E13	.459	8650	22.8	17	1-			.76				2 2 2	
LOCK	21	1901	1930	1907	N19	E12	.452	8650	22.7	29	-N	C	1907	.90	1.00			20	
MCMA	21	1904	1910	1906	N18	E13	.445	8650	22.8	6	-N	C	1906	.41	.50			E	
GRP 2882	21	1910	1927	1915	N19	E54	.851	8659	25.8	17	1-			.71				1 1 1	
LOCK	21	1910	1927	1915	N19	E54	.851	8659	25.8	17	-N	C	1915	.70	1.30			20	
GRP 2883	21	1930	2000	1940	S17	W82	.987	8647	15.7	30	1-			.25				1 1 1	
LOCK	21	1930	2000	1940	S17	W82	.987	8647	15.7	30	-F	C	1940	.30	1.00			10	
GRP 2884	21	2001	2024	2008	N15	E48	.784	8659	25.4	23	1-			.67				2 2 2	
LOCK	21	2000	2020	2010	N15	E49	.794	8659	25.5	20	-F	C	2010	.70	1.10			10	
HALE	21	2001	2028	2006	N15	E46	.764	8659	25.3	27	-B	1	C	2006	.52	.80			J
GRP 2885	21	2025	2115	2029	N17	E12	.424	8650	22.8	50	1-			.49				1 1 1	
HALE	21	2025	2115	2029	N17	E12	.424	8650	22.8	50	-N	1	C	2029	.41	.50			
GRP 2886	21	2131	2224	2149	N23	E47	.807	8659	25.4	53	2-			3.14				5 5 5	
CULG	21	2128	2250	2149	N24	E48	.820	8659	25.5	82	1B	C	2149	3.09	4.80			F	
LOCK	21	2131	2200	2150	N20	E48	.803	8659	25.5	29	1B	C	2150	2.10	3.60			30	
HUAN	21	2131	2219 ^D		N22	E48	.811	8659	25.5	48	2N	1	C	2145	4.85	6.35			
HALE	21	2132	2225 ^D	2146	N22	E47	.803	8659	25.4	53	1B	2	P	2146	2.99	5.00			F
SACP	21	2133	2223	2150	N25	E45	.800	8659	25.3	50	1N	C		3.35	4.43				
GRP 2887	21	2307	2320	2312	N20	E72	.966	8659	27.4	13	1-			.69				1 1 1	
SACP	21	2307	2320	2312	N20	E72	.966	8659	27.4	13	-N	C		.77	1.71				
GRP 2888	21	2321	2346	2322	N18	E41	.726	8659	25.0	25	1-			1.12				1 1 1	
HALE	21	2321	2346	2322	N18	E41	.726	8659	25.0	25	-F	1	C	2322	.93	1.40			F
GRP 2889	22	0030	0137	0112	N27	E40	.770	8659	25.0	67	1-			1.40				1 1 1	
CULG	22	0030	0137	0112	N27	E40	.770	8659	25.0	67	1N	C	0112	1.55	2.40			F	
GRP 2890	22	0055	0141	0112	N15	E41	.712	8659	25.1	46	1-			1.86				2 2 2	
HALE	22	0042	0141	0111	N16	E38	.684	8659	24.9	59	-N	1	C	0111	.83	1.20			
MITK	22	0108	0140	0112	N14	E43	.729	8659	25.3	32	1N	C	0112	3.40	5.10				
GRP 2891	22	0125	0147		N15	E46	.764	8659	25.5	22	1-			.23				1 1 1	
IKOM	22	0125	0147 ^D		N15	E46	.764	8659	25.5	22	-F	V	0125	.72	1.10			75	
GRP 2892	22	0128	0133	0129	S36	W76	.969	8647	16.4	5	1-			.18				1 1 1	
HALE	22	0128	0133	0129	S36	W76	.969	8647	16.4	5	-F	1	C	0129	.15				

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	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MGMATH PLAGE REGION			OMP DAY	COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %
GRP 2893	22	0153	0222	0159	N21	E74	.975	8663	27.6	29	1-			.28					2 2 2
HALF	22	0151	0228	0158	N20	E73	.970	8663	27.6	37	-N	1	C	0158	.31				
CULG	22	0154	0216	0159	N21	E75	.978	8663	27.7	22	-N		C	0159	.21				
GRP 2894	22	0633	0638	0635	S23	E90	.999	8667	29.0	5	1-			.37					1 1 1
MANI	22	0633F	0638D	0635	S23	E90	.999	8667	29.0	50	-N	2		0635	.46	1.51			
GRP 2895	22	0750	0759	0752	N14	E44	.740	8659	25.6	9	1-			.17					1 1 1
ATHN	22	0750	0759	0752	N14	E44	.740	8659	25.6	9	-N	2		0752	.17	.20			
GRP 2896	22	0831	0850	0835	N15	E07	.364	8650	22.9	19	1-			1.58					5 4 4
MONT	22	0829E	0850	0833	N17	E08	.400	8650	23.0	21D	-N		C	0833	.62	1.40			
CATA	22	0830E	0850D	0835	N16	E04	.368	8650	22.7	20D	1R			0835	2.53	2.70			276
ATHN	22	0833	0845	0836	N15	E06	.359	8650	22.8	12	-N	2		0836	1.32	1.40			
CAPS	22	0835E	0850D		N14	E07	.349	8650	22.9	15D	-F	2		0837	1.70	1.80			143
MANI	22	0837E	0855		N15	E08	.370	8650	23.0	18D	-F	2		0839	.83	.89			CE
GRP 2897	22	0829	0900		N17	E43	.742	8659	25.6	31	1-			.52					1 1 1
MONT	22	0829E	0900		N17	E43	.742	8659	25.6	31D	-N		C	0829	.52	1.60			
GRP 2898	22	0918	0945	0922	N17	E40	.711	8659	25.4	27	1-			.52					1 1 1
MONT	22	0918	0945	0922	N17	E40	.711	8659	25.4	27	-N		C	0922	.52	1.50			
GRP 2899	22	1046	1053		N10	W15	.364	8650	21.3	7	1-			.26					1 1 1
ATHN	22	1046	1053		N10	W15	.364	8650	21.3	7	-N	2		1047	.26	.30			
GRP 2900	22	1108	1127	1110	N20	E38	.708	8659	25.3	19	1-			.59					2 2 2
MONT	22	1107	1138	1110	N20	E40	.728	8659	25.5	31	-N		C	1110	.52	1.70			
ATHN	22	1109	1115		N19	E36	.681	8659	25.2	6	-N	2		1111	.66	.90			
GRP 2901	22	1500	1526	1505	N16	E36	.662	8659	25.3	26	1-			.61					1 1 1
SACP	22	1500	1526	1505	N16	E36	.662	8659	25.3	26	-N		C		.68	.76			
GRP 2902	22	1638	1704	1656	N17	E31	.613	8659	25.0	26	1-			1.20					1 1 1
SACP	22	1638	1704	1656	N17	E31	.613	8659	25.0	26	-N		C		1.33	1.46			
GRP 2903	22	1800	1816	1805	N18	E23	.537	8659	24.5	16	1-			.31					1 1 1
HALF	22	1800	1816	1805	N18	E23	.537	8659	24.5	16	-N	1	C	1805	.26	.30			
GRP 2904	22	1900	1930	1915	N23	E04	.477	8650	23.1	30	1-			.62					2 2 2
SACP	22	1858	1928	1915	N24	E05	.494	8650	23.2	30	-F		C		.96	.98			
HALF	22	1901	1932	1914	N22	E02	.458	8650	22.9	31	-N	1	C	1914	.31	.31			
GRP 2905	22	2003	2029	2009	N16	W30	.595	8654	20.6	26	1-			.45					2 2 2
SACP	22	2003	2020	2010	N16	W30	.595	8654	20.6	17	-N		C		.58	.62			
HALF	22	2008E	2038	2008U	N15	W30	.587	8654	20.6	30D	-N	1	P	2008	.31	.40			
GRP 2906	22	2035	2043	2038	N14	E35	.639	8659	25.5	8	1-			.52					1 1 1
SACP	22	2035	2043	2038	N14	E35	.639	8659	25.5	8	-N		C		.58	.64			
GRP 2907	22	2054	2119	2108	N13	E27	.536	8659	24.9	25	1-			1.81					1 1 1
SACP	22	2054	2119	2108	N13	E27	.536	8659	24.9	25	1N		C		2.01	2.12			
GRP 2908	22	2123	2157	2139	N13	E26	.524	8659	24.8	34	1-			.43					1 1 1
HALF	22	2123	2157	2139	N13	E26	.524	8659	24.8	34	-N	1	C	2135	.36	.40			
GRP 2909	22	2228	2233	2230	N22	E49	.820	8659	26.6	5	1-			.18					1 1 1
SACP	22	2228	2233	2230	N22	E49	.820	8659	26.6	5	-N		C		.20	.26			
GRP 2910	22	2228	2241	2232	N10	W26	.501	8650	21.0	13	1-			.25					1 1 1
HALF	22	2228	2241	2232	N10	W26	.501	8650	21.0	13	-F	1	C	2232	.21	.22			
GRP 2911	22	2252	2305	2257	N10	W27	.514	8654	20.9	13	1-			.70					2 2 2
HALF	22	2251	2304	2257	N10	W27	.514	8654	20.9	13	-N	1	C	2257	.52	.60			
SACP	22	2252	2306	2257	N10	W27	.514	8654	20.9	14	-F		C		.87	.90			
GRP 2912	22	2253	2303	2258	N21	W63	.921	8648	18.2	10	1-			.25					1 1 1
HALF	22	2253	2303	2258	N21	W63	.921	8648	18.2	10	-N	1	C	2258	.21				
GRP 2913	23	0015	0020	0015	N15	E00	.347	8650	23.0	5	1-			.61					2 2 2
HALF	23	0014	0023	0015	N15	E00	.347	8650	23.0	9	-N	1	C	0015	.41	.42			
MITK	23	0015	0017	0015	N15	E00	.347	8650	23.0	2	-F		C		1.03	1.10			F D
GRP 2914	23	0056	0131	0113	N20	E31	.637	8659	25.4	35	1-			.75					3 3 3
HALF	23	0034	0135	0114U	N19	E31	.630	8659	25.3	61	-N	1	C	0114	.52	.70			
MANI	23	0102	0135	0111	N20	E28	.607	8659	25.1	33	-F	2		0111	.93	1.16			F E
MITK	23	0111	0122	0113	N22	E35	.692	8659	25.7	11	-F		C	0113	1.13	1.50			
GRP 2915	23	0224	0240	0227	N16	E33	.629	8659	25.6	16	1-			.37					1 1 1
HALF	23	0224	0240	0227	N16	E33	.629	8659	25.6	16	-N	1	C	0227	.31	.40			
GRP 2916	23	0309	0325	0311	S22	E77	.970	8667	28.9	16	1-			.25					1 1 1
HALF	23	0309	0325	0311	S22	E77	.970	8667	28.9	16	-B	1	C	0311	.21				
GRP 2917	23	0641	0703	0646	N12	W32	.591	8654	20.9	22	1-			.60					1 1 1
MANI	23	0641	0703	0646	N12	W32	.591	8654	20.9	22	-N	2		0646	.67	.83			
GRP 2918	23	0707	0714	0710	N12	W32	.591	8654	20.9	7	1-			.26					1 1 1
MANI	23	0707	0714	0710	N12	W32	.591	8654	20.9	7	-N	2		0710	.29	.36			
GRP 2919	23	0717	0731	0722	N12	E27	.529	8659	25.3	14	1-			1.86					1 1 1
MANI	23	0717	0731	0722	N12	E27	.529	8659	25.3	14	1F	2		0722	1.96	2.40			F
GRP 2920	23	0719	0730	0723	N12	W32	.591	8654	20.9	11	1-			.32					1 1 1
MANI	23	0719	0730	0723	N12	W32	.591	8654	20.9	11	-N	2		0723	.35	.44			
GRP 2921	23	0815	0826	0818	N12	W33	.603	8654	20.9	11	1-			.56					1 1 1
MANI	23	0815	0826	0818	N12	W33	.603	8654	20.9	11	-N	2		0818	.62	.78			

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	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME — UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
GRP 2922	23	1115	1122		N10	W36	.629	8654	20.8	7	1-							1 1 0	
ONDR	23	1115E	1122		N10	W36	.629	8654	20.8	7D	-N							CH	
	23	1200	1215	NO FLARE PATROL															
GRP 2923	23	1214	1224		N14	E25	.521	8659	25.4	10	1+							1 1 0	
ONDR	23	1214E	1224D		N14	E25	.521	8659	25.4	10D	1R								
	23	1230	1235	NO FLARE PATROL															
	23	1305	1320	NO FLARE PATROL															
GRP 2924	23	1324	1359		N24	E26	.626	8659	25.5	35	1-			.43				1 1 1	
HUAN	23	1324	1359		N24	E26	.626	8659	25.5	35	-N	1	C	1328	.48	.54		D	
GRP 2925	23	1512	1546	1518	N11	W31	.572	8654	21.3	34	1-			1.55				2 2 2	
HUAN	23	1512	1530D		N11	W31	.572	8654	21.3	18D	1F	1	P	1517	1.80	1.93		E	
SACP	23	1512	1546	1518	N10	W31	.566	8654	21.3	34	-N			1.72	1.83				
GRP 2926	23	1524	1539	1528	N17	W13	.434	8650	22.7	15	1-			.60				1 1 1	
SACP	23	1524	1539	1528	N17	W13	.434	8650	22.7	15	-F			.67	.68				
GRP 2927	23	1554	1601	1557	S24	E67	.920	8667	28.7	7	1-			.68				1 1 1	
SACP	23	1554	1601D	1557	S24	E67	.920	8667	28.7	7D	-N			.76	1.31				
GRP 2928	23	1602	1616		N23	W10	.499	8650	22.9	14	1-			.79				1 1 1	
HUAN	23	1602E	1616D		N23	W10	.499	8650	22.9	14D	-F	1	P	1610	.88	.90		E	
	23	1615	1620	NO FLARE PATROL															
GRP 2929	23	1633	1650	1639	N14	E25	.521	8659	25.6	17	1-			.63				3 3 3	
MCMA	23	1633	1635D		N14	E25	.521	8659	25.6	20	-R			.41	.50			E	
HUAN	23	1633	1649D		N14	E26	.533	8659	25.6	16D	-N	1	C	1637	.57	.59		E	
LOCK	23	1635E	1650	1639U	N13	E25	.513	8659	25.6	15D	-R			.80	1.00		30	E	
GRP 2930	23	1645	1800	1707	S25	E71	.943	8667	29.0	75	1-			.48				2 2 2	
HUAN	23	1644E	1649D		S23	E71	.942	8667	29.0	5D	-F	1	P	1647	.25			D	
LOCK	23	1645	1800	1707	S26	E70	.938	8667	28.9	75	-N			.80	1.80		20		
GRP 2931	23	1652	1706	1658	N10	W38	.654	8654	20.9	14	1-			.61				1 1 1	
LOCK	23	1652	1706	1658	N10	W38	.654	8654	20.9	14	-F			.60	.80		10		
GRP 2932	23	1723	1728	1724	N15	W12	.399	8650	22.8	5	1-			.37				1 1 1	
HALE	23	1723	1728	1724	N15	W12	.399	8650	22.8	5	-F	2	C	1724	.31	.32			
GRP 2933	23	1804	1828	1812	N16	E20	.486	8659	25.3	24	1-			.94				1 1 1	
LOCK	23	1804	1828	1812	N16	E20	.486	8659	25.3	24	-F			.90	1.00		10		
GRP 2934	23	1819	1847	1832	S26	E70	.938	8667	29.0	28	1-			.47				1 1 1	
LOCK	23	1819	1847	1832	S26	E70	.938	8667	29.0	28	-F			.50	1.20		10	J	
GRP 2935	23	1837	1901	1839	N14	E24	.510	8659	25.6	24	1-			.90				2 2 2	
LOCK	23	1836	1900	1838	N13	E24	.501	8659	25.6	24	-R			1.10	1.30		30		
HALE	23	1837	1902	1840	N14	E23	.498	8659	25.5	25	-R	1	C	1838	.52	.60		F	
GRP 2936	23	1858	1907	1900	N11	W41	.694	8654	20.7	9	1-			.30				2 2 2	
HALE	23	1857	1908	1900	N11	W41	.694	8654	20.7	11	-R	1	C	1900	.26	.40			
LOCK	23	1858	1905	1900	N10	W41	.690	8654	20.7	7	-F			.30	.40		10		
GRP 2937	23	1907	1920	1910	N16	E20	.486	8659	25.3	13	1-			.71				1 1 1	
LOCK	23	1907	1920	1910	N16	E20	.486	8659	25.3	13	-F			.70	.80		10		
GRP 2938	23	1941	1958	1943	N16	E02	.365	8659	24.0	17	1-			.71				3 2 2	
MCMA	23	1940	2002	1942	N16	E03	.366	8659	24.0	22	-N			.83	.90			E	
HALE	23	1941	1951	1943	N16	E01	.363	8659	23.9	10	-N	1	C	1942	.21	.21			
HUAN	23	1949E	2002		N16	E03	.366	8659	24.1	13D	-F	1	P	1952	.31	.31		D	
GRP 2939	23	1957	2012	2001	N10	W36	.629	8650	21.1	15	1-			.19				1 1 1	
LOCK	23	1957	2012	2001	N10	W36	.629	8650	21.1	15	-F			.20	.30		10		
GRP 2940	23	2024	2036	2028	S20	E66	.911	8667	28.8	12	1-			.25				1 1 1	
HALE	23	2024	2036	2028	S20	E66	.911	8667	28.8	12	-N	1	C	2028	.21				
GRP 2941	23	2029	2103	2036	N15	E19	.465	8659	25.3	34	1			1.65				2 2 2	
LOCK	23	2028	2100	2037	N14	E19	.454	8659	25.3	32	1N			2.10	2.30		20		
HALE	23	2029	2106	2034	N16	E18	.466	8659	25.2	37	-R	1	C	2034	.72	.80			
GRP 2942	23	2039	2050	2041	N17	W14	.442	8650	22.8	11	1-			.62				1 1 1	
HALE	23	2039	2050	2041	N17	W14	.442	8650	22.8	11	-R	1	C	2041	.52	.60			
GRP 2943	23	2259	2307	2300	N10	W43	.713	8654	20.7	8	1-			.49				1 1 1	
HALE	23	2259	2307	2300	N10	W43	.713	8654	20.7	8	-N	1	C	2300	.41	.60			
GRP 2944	23	2321	2333	2325	N24	E21	.584	8659	25.5	12	1-			.49				1 1 1	
HALE	23	2321	2333	2325	N24	E21	.584	8659	25.5	12	-N	1	C	2325	.41	.50		F	
GRP 2945	23	2336	2356	2339	N14	E21	.476	8659	25.6	20	1-			1.60				4 4 4	
HALE	23	2335	0013	2339	N14	E21	.476	8659	25.6	38	1R	1	C	2339	1.86	2.10		F	
MITK	23	2336	2347	2338	N14	E22	.487	8659	25.6	11	1N			2.37	2.70				
SACP	23	2336	2354	2339	N13	E21	.466	8659	25.6	18	-N			1.55	1.58				
MANI	23	2337E	2351		N15	E19	.465	8659	25.4	14D	-N	2		.98	1.09				
GRP 2946	23	2352	0005	2355	N18	W12	.440	8650	23.1	13	1-			.49				1 1 1	
HALE	23	2352	0005	2355	N18	W12	.440	8650	23.1	13	-F	1	C	2355	.41	.50			
GRP 2947	24	0100	0120	0104	N22	E20	.554	8659	25.5	20	1-			.93				3 3 3	
HALE	24	0059	0124	0103	N23	E21	.574	8659	25.6	25	-R	2	C	0103	.93	1.10		H	
MITK	24	0100	0116	0103	N23	E22	.582	8659	25.7	16	-N			1.13	1.40			EH	
MANI	24	0100	0121	0106	N20	E18	.514	8659	25.4	21	-N	3		0106	.98	1.07		H	

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OBSERVATORY	OBSERVED UT				LOCATION				DURATION MIN.	IM- POR- TANCE	OBS. COND. TYPE	MEASUREMENTS					REMARKS			
	DATE 1967 JAN	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION				CMP DAY	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH Ha		MAX. INT. %		
GRP 2997	26	2054	2110	2102	N26	W27	.656	8659	24.8	16	1-			.40					1 1 1	
LOCK	26	2054	2110	2102	N26	W27	.656	8659	24.8	16	-F	C	2102	.40	.50			10	1 1 1	
GRP 2998	26	2119	2143	2126	S12	W47	.729	8669	23.4	24	1-			.82					1 1 1	
LOCK	26	2119	2143	2126	S12	W47	.729	8669	23.4	24	-F	C	2126	.80	1.20			10	1 1 1	
GRP 2999	26	2222	2227	2224	S09	E38	.613	8667	29.8	5	1-			.50					1 1 1	
LOCK	26	2222	2227	2224	S09	E38	.613	8667	29.8	5	-F	C	2224	.50	.70			10	1 1 1	
GRP 3000	26	2247	2301	2250	N23	E72	.969	8670	1.3	14	1-			.80					2 2 2	
SACP	26	2246	2302	2250	N22	E71	.964	8670	1.3	16	-N	C		.86	1.90					
LOCK	26	2247	2259	2250	N24	E72	.970	8670	1.3	12	1-	C	2250	.90	2.40			20		
GRP 3001	26	2306	2306	2303	S12	E30	.505	8667	29.2	6	1-			.19					1 1 1	
LOCK	26	2300	2306	2303	S12	E30	.505	8667	29.2	6	-F	C	2303	.20	.22			10		
GRP 3002	26	2305	2330	2318	N27	W19	.607	8659	25.5	25	1-			1.17					1 1 1	
LOCK	26	2305	2330	2318	N27	W19	.607	8659	25.5	25	-N	C	2318	1.10	1.20			20		
GRP 3003	26	2357	0023	0006	N22	W23	.582	8659	25.3	26	1-			.51					3 3 3	
CULG	26	2353	0023	0006	N22	W23	.582	8659	25.3	30	-N			.62	.75					
IKOM	27	0000	0010D		N20	W23	.562	8659	25.3	10D	-F	V	0006	.52	.60			75	E	
SACP	27	0004E	0020D	0005U	N23	W22	.585	8659	25.4	16D	-F	C	0002	.89	.95					
GRP 3004	26	2359	0022	0003	N35	W25	.730	8659	25.1	23	1-			.94					1 1 1	
LOCK	26	2359	0022	0003	N35	W25	.730	8659	25.1	23	-N	C	0003	.90	1.20			20		
GRP 3005	27	0007	0016	0010	S13	E29	.493	8667	29.2	9	1-			.29					1 1 1	
LOCK	27	0007	0016	0010	S13	E29	.493	8667	29.2	9	-F	C	0010	.30	.40			10		
GRP 3006	27	0201	0213	0203	N15	W29	.579	8659	24.9	12	1-			.36					2 2 2	
MANI	27	0200	0216	0203	N16	W29	.587	8659	24.9	16	-N			.31	.39					
MITK	27	0201	0210	0203	N14	W29	.571	8659	24.9	9	-N	3	C	0203	.62	.80				E
GRP 3007	27	0208	0218	0209	S22	E32	.573	8667	29.5	10	1-			.31					2 2 2	
MITK	27	0207	0218	0209	S20	E31	.550	8667	29.4	11	-F	C	0209	.62	.70				D	
IKOM	27	0208	0212D		S23	E32	.579	8667	29.5	4D	-F	V	0208	.62	.70			70	D	
	27	1200			NO FLARE PATROL															
	27	1310			NO FLARE PATROL															
GRP 3008	27	1511	1550	1520	N20	W59	.894	8650	23.2	39	1			1.99					1 1 1	
SACP	27	1511	1550	1520	N20	W59	.894	8650	23.2	39	1N	C		2.21	3.49					
GRP 3009	27	1558	1630	1607	N23	W31	.665	8659	25.3	32	1-			1.20					1 1 1	
SACP	27	1558	1630	1607	N23	W31	.665	8659	25.3	32	-N	C		1.33	1.51					
GRP 3010	27	1821	1836	1823	N19	W31	.632	8659	25.4	15	1-			.28					1 1 1	
HUAN	27	1821	1836	1823	N19	W31	.632	8659	25.4	15	-F	2	C	1823	.31	.35				E
GRP 3011	27	1839	1850	1844	N16	E77	.982	8670	2.6	11	1-			.34					1 1 1	
LOCK	27	1839	1850	1844	N16	E77	.982	8670	2.6	11	-F	C	1844	.40	1.20			10	J	
GRP 3012	27	2002	2032		N26	W32	.699	8659	25.4	30	1-			1.17					1 1 1	
LOCK	27	2002	2032		N26	W32	.699	8659	25.4	30	-N	C		1.10	1.40			20		
GRP 3013	27	2004	2122	2011	N16	W31	.609	8659	25.5	78	1			1.49					3 3 3	
SACP	27	2002	2121U	2015U	N16	W31	.609	8659	25.5	79U	1N	C		2.12	2.32					
HALF	27	2004	2122	2007	N16	W31	.609	8659	25.5	78	-N	2	C	2007	.72	.90				F
HUAN	27	2005	2038D		N17	W31	.617	8659	25.5	33D	1-	1	P	2010	2.12	2.33				E
GRP 3014	27	2010	2018	2013	N16	E77	.982	8670	2.6	8	1-			.34					1 1 1	
LOCK	27	2010	2018	2013	N16	E77	.982	8670	2.6	8	-N	C	2013	.40	1.20			20		
GRP 3015	27	2026	2033		S24	E26	.515	8667	29.8	7	1-			.23					1 1 1	
HUAN	27	2026E	2033		S24	E26	.515	8667	29.8	7D	-F	1	P	2026	.25	.26				D
GRP 3016	27	2145	2215	2147	N16	E72	.963	8670	2.3	30	1-			.26					1 1 1	
LOCK	27	2145	2215U	2147	N16	E72	.963	8670	2.3	30U	-F	C	2147	.30	.90			10		
GRP 3017	27	2223	2234	2226	N27	W68	.958	8650	22.8	11	1-			.66					2 2 2	
SACP	27	2222	2234	2225	N25	W65	.941	8650	23.1	12	-N	C		.97	1.82					
LOCK	27	2223	2234	2227	N29	W71	.972	8650	22.6	11	-F	C	2227	.50	1.30			10		
GRP 3018	27	2320	2359	2330	N16	W31	.609	8659	25.6	39	1			1.52					3 3 3	
SACP	27	2317U	2356D	2331U	N16	W32	.620	8659	25.6	39D	1N	C		2.04	2.25					
HALF	27	2322	0009D	2330	N15	W30	.590	8659	25.7	47D	-N	1	P	2330	.93	1.10				F
MANI	27	2325E	2351	2330	N17	W32	.628	8659	25.6	26D	1N	2	C	2330	1.75	2.30				
GRP 3019	27	2319	2345	2326	N25	W35	.717	8659	25.3	26	1-			2.44					1 1 1	
LOCK	27	2319	2345D	2326	N25	W35	.717	8659	25.3	26D	1N	C	2326	2.10	2.70			20		
GRP 3020	28	0158	0225	0207	N19	W65	.931	8650	23.2	27	1-			.18					1 1 1	
HALF	28	0158	0225	0207	N19	W65	.931	8650	23.2	27	-F	2	C	0207	.15					F
GRP 3021	28	0303	0328	0307	N18	W33	.646	8659	25.7	25	1-			.49					1 1 1	
HALF	28	0303	0328	0307	N18	W33	.646	8659	25.7	25	-N	2	C	0307	.41	.50				F
GRP 3022	28	0456	0509	0458	N17	W32	.628	8659	25.8	13	1-			.65					1 1 1	
MANI	28	0456	0509	0458	N17	W32	.628	8659	25.8	13	-N	2	C	0458	.72	.93				
GRP 3023	28	0514	0605		N17	E58	.887	8670	1.6	51	1-			1.32					2 2 2	
MANI	28	0514E	0631D		N17	E58	.880	8670	1.6	17D	-N	1	C	0514	.52	.97				
SIBF	28	0526E	0605D		N17	E60	.895	8670	1.7	45D	2F	P	0528	2.46	5.30			68	C	
GRP 3024	28	0537	0616	0546	N17	W50	.813	8659	24.5	39	1-			.70					1 1 1	
TACH	28	0537	0616	0546	N17	W50	.813	8659	24.5	39	-N	C	0546	.83	1.40	2.50		69	D	
GRP 3025	28	0645	0702		N22	W53	.855	8659	24.3	17	1-			.65					1 1 1	
MANI	28	0645E	0702		N22	W53	.855	8659	24.3	17D	-N	1	C	0646	.77	1.41				

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS					
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	GMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H _c	MAX. INT. %						
					LAT.	MER. DIST.																		
GRP 3026	28	0743	0856	0754	S23	E19	.426	8667	29.7	73	1-			1.72								5 4 4		
TACH	28	0743	0820D	0751	S24	E19	.436	8667	29.7	37D	-B		0751	1.56	1.70	1.90	87					E		
MANI	28	0753E	0857	0758	S23	E21	.448	8667	29.9	64D	1N	2	0758	1.65	2.10									
CAPS	28	0804E	0840		S24	E19	.436	8667	29.8	36D	1N	3	0808	2.20	2.40							185		
CATA	28	0815E	0845D	0815	S22	E17	.393	8667	29.6	30D	-B		0815	1.58	1.70							224		
CAPP	28	0840E	0912	0840	S22	E19	.416	8667	29.8	32D	-N		0840	1.18	1.31									
GRP 3027	28	0943	0955		S24	E19	.436	8667	29.8	12	1			2.17								1 1 1		
CAPS	28	0943E	0955		S24	E19	.436	8667	29.8	12D	1F	3	0950	2.00	2.20							152		
GRP 3028	28	1007	1014		N22	W33	.676	8659	25.9	7	1-			1.00								1 1 1		
CAPS	28	1007	1014		N22	W33	.676	8659	25.9	7	-N	3	1008	1.00	1.30								E	
GRP 3029	28	1705	1722	1710	S28	E15	.445	8667	29.8	17	1-			1.22								3 1 1		
SACP	28	1705	1722	1710	S28	E14	.438	8667	29.8	17	-N			1.36	1.38									
HUAN	28	1711E	1713D		S29	E15	.458	8667	29.8	2D	-N	1	P	1712	.31	.32						D		
MCMA	28	1716E	1722		S28	E15	.445	8667	29.8	6D	-N		P	1716	.31	.40						D		
GRP 3030	28	1732	1738	1733	S27	E14	.425	8667	29.8	6	1-			.37								1 1 1		
HALE	28	1732	1738	1733	S27	E14	.425	8667	29.8	6	-N	3	C	1733	.31	.31							F	
GRP 3031	28	1740	1757	1744	N21	E48	.810	8670	1.3	17	1-			.45								2 1 1		
MCMA	28	1740	1758	1744	N22	E47	.806	8670	1.3	18	-F		C	1744	.31	.50							D	
HUAN	28	1751E	1756		N19	E48	.802	8670	1.3	5D	-F	1	P	1752	.25	.32							D	
GRP 3032	28	1854	1911	1859	S23	E05	.308	8667	29.2	17	1-			.60								1 1 1		
SACP	28	1854	1911	1859	S23	E05	.308	8667	29.2	17	-F		C	.67	.66									
GRP 3033	28	1900	1931	1920	N17	E65	.928	8671	2.7	31	1-			.40								1 1 1		
MCMA	28	1900	1931	1920A	N17	E65	.928	8671	2.7	31	-N		C	1903	.26	.70							D	
GRP 3034	28	1904	1920	1908	N30	W54	.890	8659	24.7	16	1-			.94								1 1 1		
LOCK	28	1904	1920	1908	N30	W54	.890	8659	24.7	16	-F		C	1908	.90	1.50							20	
GRP 3035	28	1946	2018	1952	S23	E05	.308	8667	29.2	32	1-			.18								1 1 1		
HALE	28	1946	2018	1952	S23	E05	.308	8667	29.2	32	-F	1	C	1952	.15	.20								
GRP 3036	28	2132	2215	2140	N27	W48	.836	8659	25.3	43	1-			.61								1 1 1		
LOCK	28	2132	2215	2140	N27	W48	.836	8659	25.3	43	-N		C	2140	.60	1.00							20	
GRP 3037	28	2133	2213	2141	N19	W46	.784	8659	25.4	40	1-			.63								3 3 3		
HALE	28	2132	2225	2144	N19	W47	.793	8659	25.4	53	-R	2	C	2144	.41	.70							F	
SACP	28	2133	2205	2141	N19	W45	.774	8659	25.5	32	-N		C	2138	1.05	1.34								
HUAN	28	2135	2209	2138	N18	W47	.789	8659	25.4	34	-N	1	C	2138	.50	.67							E	
GRP 3038	28	2208	2329	2151	S25	E10	.367	8667	29.7	81	1-			.57								4 2 2		
HALE	28	2143	2359D	2152	S23	E04	.304	8667	29.2	136D	-N	1	P	2152	.52	.52								
HUAN	28	2148	2241D	2151	S24	E08	.339	8667	29.5	53D	-F	2	C	2151	.57	.57							E	
CULG	28	2226	2317	2239	S28	E14	.438	8667	30.0	51	-N		C	2239	.72	.77								
SACP	28	2233	2312	2240	S25	E12	.382	8667	29.8	39	1N		C		2.10	2.09								
GRP 3039	28	2230	2250	2241	S14	E13	.263	8667	29.9	20	1+			3.00								1 1 1		
LOCK	28	2230	2250D	2241	S14	E13	.263	8667	29.9	20D	1N		C	2241	2.50	2.80							20	
GRP 3040	28	2251	2326	2310	N16	W50	.809	8659	25.2	35	1-			.56								1 1 1		
CULG	28	2251	2326	2310	N16	W50	.809	8659	25.2	35	-N		C	2310	.62	.96								F
GRP 3041	29	0003	0038	0019	N23	W45	.794	8659	25.6	35	1-			.37								1 1 1		
CULG	29	0003	0038	0019	N23	W45	.794	8659	25.6	35	-N		C	0019	.41	.64								
GRP 3042	29	0132	0201	0138	N23	W45	.794	8659	25.7	29	1-			.92								1 1 1		
HALE	29	0132	0201	0138	N23	W45	.794	8659	25.7	29	-N	2	C	0138	.77	1.30								
GRP 3043	29	0143	0155	0147	N15	E61	.898	8671	2.6	12	1-			.31								1 1 1		
HALE	29	0143	0155	0147	N15	E61	.898	8671	2.6	12	-R	2	C	0147	.26	.60								
GRP 3044	29	0418	0433	0423	N17	W55	.856	8659	25.1	15	1-			.93								1 1 1		
CULG	29	0418	0433	0423	N17	W55	.856	8659	25.1	15	-N		C	0423	1.03	1.90								
GRP 3045	29	0608	0635	0619	S24	W01	.313	8667	29.2	27	1-			.56								1 1 1		
CULG	29	0608	0635	0619	S24	W01	.313	8667	29.2	27	-N		C	0619	.62									
GRP 3046	29	0637	0654	0643	N21	W49	.819	8659	25.6	17	1-			.47								1 1 1		
CULG	29	0637	0654	0643	N21	W49	.819	8659	25.6	17	-N		P	0643	.52	.85								
GRP 3047	29	0814	0828	0817	N16	W55	.854	8659	25.2	14	1-			.25								2 2 1		
CAPS	29	0813E	0828D		N15	W55	.851	8659	25.2	15D	-N													
MANI	29	0814	0828	0817	N17	W55	.856	8659	25.2	14	-F	2		0817	.31	.56								
GRP 3048	29	1154	1156	1154	S22	W05	.291	8667	29.1	2	1-			.24								1 1 1		
MEUD	29	1154	1156	1154	S22	W05	.291	8667	29.1	2	-F		C	1154	.31	.31							E	
GRP 3049	29	1209	1213	1210	S27	E60	.872	8673	3.0	4	1-			.24								1 1 1		
MEUD	29	1209	1213	1210	S27	E60	.872	8673	3.0	4	-F		C	1210	.31	.70							D	
GRP 3050	29	1300	1316	1301	N18	W57	.875	8659	25.3	16	1-			.32								3 1 1		
MEUD	29	1300	1310	1301	N16	W60	.893	8659	25.0	10	-N		C	1301	.41	.90								
KAND	29	1302E	1320D		N23	W52	.851	8659	25.6	18D	-N											E		
HUAN	29	1304E	1317		N16	W59	.885	8659	25.1	13D	-F	1	C											

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION MIN.	IM-POR-TANCE	OBS. COND. TYPE	MEASUREMENTS				REMARKS		
	DATE	START	END	MAX. PHASE	APPROX. LAT.	APPROX. MER. DIST.	CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY				TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α		MAX. INT. %	
GRP 3102	31	0040	0115		N18	W50	.817	8663	27.3	35	1-							1 1 1	
MITK	31	0040	0115		N18	W50	.817	8663	27.3	35	1F	C	0054	1.27	2.90			FG	
GRP 3103	31	0204	0222	0213	N28	E90	1.001	8680	6.8	18	2+			2.56				1 1 1	
MITK	31	0204	0222	0213	N28	E90	1.001	8680	6.8	18	3F	C	0213	3.20					
GRP 3104	31	0247	0309	0252	S26	W18	.445	8667	29.8	22	1-			1.58				3 2 2	
HALF	31	0246	0304	0251	S25	W19	.444	8667	29.7	18	-N	2	P	0251	1.65	1.80			FZ
MITK	31	0248	0312	0252	S25	W18	.434	8667	29.8	24	-N	C	0252	1.65	1.80			F	
KODA	31	0253	0305	0253	S27	W18	.456	8667	29.8	12	1R	C	0253	1.93	2.20	1.60			
GRP 3105	31	0405	0423	0416	N28	E90	1.001	8680	6.9	18	1-			.37				1 1 1	
CULG	31	0405	0423	0416	N28	E90	1.001	8680	6.9	18	-N	C	0416	.41					
GRP 3106	31	0446	0501	.0449	N21	E17	.525	8670	1.5	15	1-			.51				2 2 2	
CULG	31	0445	0510	0448	N21	E17	.525	8670	1.5	25	-N	C	0448	.41	.46				
MITK	31	0447	0452	0450	N20	E17	.513	8670	1.5	5	-N	C	0450	.93	1.10				
GRP 3107	31	0512	0530	0516	N18	W90	1.001	8659	24.5	18	1-			.37				1 1 1	
CULG	31	0512	0530	0516	N18	W90	1.001	8659	24.5	18	-N	C	0516	.41					
GRP 3108	31	0625	0640	0628	N28	E90	1.001	8680	7.0	15	1-			.28				1 1 1	
CULG	31	0625	0640	0628	N28	E90	1.001	8680	7.0	15	-N	C	0628	.31					
GRP 3109	31	0744	0801	0746	N28	E90	1.001	8680	7.1	17	1-			.37				1 1 1	
CULG	31	0744	0801	0746	N28	E90	1.001	8680	7.1	17	-N	C	0746	.41					
GRP 3110	31	0850	0945	0909	N21	W68	.950	8663	26.3	55	1			.92				3 3 3	
ARCF	31	0850	0920	0910	N22	W70	.961	8663	26.1	30	-N	C	0910	.75	1.90			C	
CAPS	31	0907	0930		N20	W65	.933	8663	26.5	23	1R	3	P	0912	1.00				C
CAPP	31	0908	1025	0908	N21	W69	.955	8659	26.2	77	1N	P	0914	1.18				200	
GRP 3111	31	0858	0921	0859	N14	E27	.550	8671	2.4	23	1-			1.33				4 3 3	
CAPP	31	0856	0917	0856	N14	E26	.539	8671	2.3	21	1N	P	0904	1.76	2.05			H	
MONT	31	0857	0925	0900	N17	E28	.587	8671	2.5	28	-N	C	0900	.52	1.40			O	
ARCF	31	0858	0917	0900	N12	E28	.546	8671	2.5	19	1N	C	0900	2.34	2.80			HC	
CAPS	31	0900	0900		N14	E26	.539	8671	2.3	90	1F	3		2.00	2.40			147	
GRP 3112	31	0908	0919	0908	N20	E12	.477	8671	1.3	11	1-			.44				1 1 1	
CAPP	31	0908	0919	0908	N20	E12	.477	8671	1.3	11	-N	P	0914	.88	.98				
GRP 3113	31	0924	0928		N26	E80	.994	8680	6.4	4	1			.46				2 2 2	
CAPS	31	0923	0928		N28	E80	.995	8680	6.4	5	1N	3		.60				165	
ARCF	31	0925	0925		N24	E80	.993	8680	6.4		-N	C	0925	.31	1.00			C	
GRP 3114	31	0953	0955	0953	N19	W90	1.001	8659	24.7	2	1-			.33				1 1 1	
ARCF	31	0953	0955	0953	N19	W90	1.001	8659	24.7	2	-N	C	0953	.33	1.90			AC	
GRP 3115	31	1040	1100		N15	W90	1.000	8659	24.7	20								1 0 0	
CAPP	31	1040	1100		N15	W90	1.000	8659	24.7	20		P						A	
GRP 3116	31	1208	1220	1210	N21	W70	.960	8663	26.3	12	1			.52				1 1 1	
MONT	31	1208	1220	1210	N21	W70	.960	8663	26.3	12	1N	C	1210	.52				O	
GRP 3117	31	1234	1300		N15	W90	1.000	8659	24.8	26								1 0 0	
CAPP	31	1234	1300		N15	W90	1.000	8659	24.8	26		P						A	
GRP 3118	31	1315	1401	1336	N19	E08	.441	8670	1.2	46	1-			1.27				3 3 3	
CAPS	31	1301	1359		N20	E10	.465	8670	1.3	58	-N	3		1.30	1.50			164	
HUAN	31	1313	1402	1337	N19	E09	.446	8670	1.2	49	1N	2	C	1337	2.63	2.68			E
MEUD	31	1330	1342	1335	N19	E05	.429	8670	31.9	12	-N	C	1335	.52	.60			E	
GRP 3119	31	1419	1458		N20	E08	.456	8670	1.2	39	1-			.91				1 1 1	
HUAN	31	1419	1458		N20	E08	.456	8670	1.2	39	-N	1	C	1424	1.01	1.03			E
GRP 3120	31	1600	1616	1605	N26	E74	.980	8680	6.2	16	1-			.77				1 1 1	
SACP	31	1600	1616	1605	N26	E74	.980	8680	6.2	16	1F	C		.86	2.15				
GRP 3121	31	1816	1819		N21	E06	.463	8670	1.2	3	1-			.28				1 1 1	
HUAN	31	1816	1819		N21	E06	.463	8670	1.2	3	-F	1	P	1817	.31	.31			D
GRP 3122	31	1833	1842	1835	N16	W90	1.000	8659	25.0	9	1+			1.08				2 2 2	
LOCK	31	1833	1841	1835	N15	W90	1.000	8659	25.0	8	2R			2.10	8.40			30	
HUAN	31	1833	1842		N16	W90	1.000	8659	25.0	9	-R	1	C	1835	.36				H
GRP 3123	31	1908	1917	1911	N20	W77	.985	8663	26.0	9	1-			.17				1 1 1	
LOCK	31	1908	1917	1911	N20	W77	.985	8663	26.0	9	-F	C	1911	.20	.60			10	
GRP 3124	31	1920	1935	1927	S16	W24	.432	8667	30.0	15	1-			.50				1 1 1	
LOCK	31	1920	1935	1927	S16	W24	.432	8667	30.0	15	-F	C	1927	.50	.60			10	
GRP 3125	31	1955	2001	1957	N33	E07	.636	8670	1.4	6	1-			.40				1 1 1	
LOCK	31	1955	2001	1957	N33	E07	.636	8670	1.4	6	-F	C	1957	.40	.42			10	
GRP 3126	31	2040	2047	2042	N33	E07	.636	8670	1.4	7	1-			.61				1 1 1	
LOCK	31	2040	2047	2042	N33	E07	.636	8670	1.4	7	-N	C	2042	.60	.70			20	
GRP 3127	31	2040	2049	2043	N18	W78	.986	8663	26.0	9	1-			.17				1 1 1	
LOCK	31	2040	2049	2043	N18	W78	.986	8663	26.0	9	-F	C	2043	.20	.60			10	
GRP 3128	31	2040	2054	2043	N20	E06	.448	8670	1.3	14	1-			.86				1 1 1	
SACP	31	2040	2054	2043	N20	E06	.448	8670	1.3	14	-F	C		.96	.97				
GRP 3129	31	2100	2125	2110	S16	W25	.446	8667	30.0	25	1-			.71				1 1 1	
LOCK	31	2100	2125	2110	S16	W25	.446	8667	30.0	25	-F	C	2110	.70	.80			10	
GRP 3130	31	2107	2116	2111	N20	W78	.987	8663	26.0	9	1-			.34				1 1 1	
LOCK	31	2107	2116	2111	N20	W78	.987	8663	26.0	9	-F	C	2111	.40	1.20			10	

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OBSERVATORY	OBSERVED UT				LOCATION					DURATION — MIN.	IM- POR- TANCE	OBS.		MEASUREMENTS					REMARKS
	DATE	START	END	MAX. PHASE	APPROX.		CENTRAL DISTANCE	MCMATH PLAGE REGION	CMP DAY			COND.	TYPE	TIME UT	MEAS. AREA Sq. Deg.	CORR. AREA Sq. Deg.	MAX. WIDTH H α	MAX. INT. %	
					LAT.	MER. DIST.													
	1967																		
	JAN																		
GRP 3131	31	2131	2145	2135	N17	W76	.980	8663	26.2	14	1-		.26				1 1 1		
LOCK	31	2131	2145	2135	N17	W76	.980	8663	26.2	14	-F	C	2135	.30	.90		10		
GRP 3132	31	2150	2225	2156	S14	W29	.495	8667	29.7	35	1-		.71				1 1 1		
LOCK	31	2150	2225	2156A	S14	W29	.495	8667	29.7	35	-N	C	2207	.70	.80		20 K		
GRP 3133	31	2157	2205	2159	N15	W90	1.000	8663	25.2	8	1-		.25				1 1 1		
LOCK	31	2157	2205	2159	N15	W90	1.000	8663	25.2	8	-F	C	2159	.30	1.20		10 H		
GRP 3134	31	2214	2236	2221	N26	E70	.966	8680	6.2	22	1-		.78				1 1 1		
SACP	31	2214	2236	2221	N26	E70	.966	8680	6.2	22	-F	C		.87	1.92				
GRP 3135	31	2216	2231	2222	N20	E33	.663	8671	3.4	15	1-		.61				1 1 1		
LOCK	31	2216	2231	2222	N20	E33	.663	8671	3.4	15	-F	C	2222	.60	.70		10		
GRP 3136	31	2238	2315	2246	S16	E30	.516	8673	3.2	37	1-		1.05				1 1 1		
LOCK	31	2238	2315	2246	S16	E30	.516	8673	3.2	37	-F	C	2246	1.00	1.30		10		
GRP 3137	31	2318	2339	2323	S26	W34	.618	8667	29.4	21	1-		1.35				2 2 2		
SACP	31	2317	2339	2323	S25	W33	.600	8667	29.5	22	-N	C		1.74	1.89				
CULG	31	2318	2339	2323	S26	W34	.618	8667	29.4	21	-N	C	2323	1.24	1.50		HL		