

OBSERVING SCHEDULE (Times are in U.T.)								
Date		Satellite	Start	End	Elev	Direction	Observer	
Aug	1	Thu	lares	0613	0624	77	199 36 S -NE	RS
Aug	1	Thu	swot	0621	0629	73	336 173 NW-S	
Aug	1	Thu	hy2b	0637	0644	76	25 188 NE-S	
Aug	1	Thu	starlette	0642	0650	54	270 139 W -SE	
Aug	1	Thu	lageos2	0658	0750	86	260 87 W -E	
Aug	1	Thu	paz	0706	0711	37	340 229 N -SW	
Aug	1	Thu	lares	0813	0822	39	277 18 W -N	
Aug	1	Thu	stella	0909	0915	66	28 184 NE-S	
Aug	1	Thu	gracefo1	1006	1010	34	39 133 NE-SE	
Aug	1	Thu	sentinel3a	1006	1013	50	37 168 NE-S	
Aug	1	Thu	cryosat2	1031	1037	72	172 356 S -N	
Aug	1	Thu	icesat2	1048	1051	34	246 330 SW-NW	
Aug	1	Thu	lageos2	1104	1153	69	296 152 NW-SE	
Aug	1	Thu	sentinel3b	1109	1115	55	352 220 N -SW	
Aug	1	Thu	swarma	1114	1117	57	23 163 NE-S	
Aug	1	Thu	swarmc	1114	1117	68	17 165 N -S	
Aug	1	Thu	jason3	1133	1140	32	141 72 SE-E	
Aug	1	Thu	lageos1	1200	1243	72	34 199 NE-S	
Aug	1	Thu	ajisai	1217	1228	47	198 83 S -E	
Aug	1	Thu	sentinel6a	1235	1245	64	192 47 S -NE	
Aug	1	Thu	beaconc	1236	1243	36	205 122 SW-SE	
Aug	1	Thu	hy2c	1302	1309	66	200 45 S -NE	
Aug	1	Thu	jason3	1327	1338	79	227 36 SW-NE	
Aug	1	Thu	lares2	1344	1416	38	125 39 SE-NE	
Aug	1	Thu	lares	1413	1425	66	335 131 NW-SE	
Aug	1	Thu	ajisai	1418	1430	78	251 84 W -E	
Aug	1	Thu	beaconc	1429	1437	38	235 134 SW-SE	
Aug	1	Thu	sentinel6a	1432	1441	47	268 27 W -NE	
Aug	1	Thu	hy2c	1451	1457	37	288 23 W -NE	
Aug	1	Thu	jason3	1526	1533	35	297 21 NW-N	
Aug	1	Thu	lageos1	1533	1611	58	40 273 NE-W	
Aug	1	Thu	swarmb	1539	1543	50	150 20 SE-N	
Aug	1	Thu	larets	1601	1607	52	357 217 N -SW	

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Date		Satellite	Start	End	Elev	Direction	Observer	
Aug	1	Thu	lares	1612	1621	38	301 203 NW-SW	MW
Aug	1	Thu	ajisai	1620	1632	78	275 108 W -E	
Aug	1	Thu	hy2b	1641	1648	54	128 356 SE-N	
Aug	1	Thu	tandemx	1644	1647	34	107 19 E -N	
Aug	1	Thu	terrasarx	1644	1647	34	107 19 E -N	
Aug	1	Thu	lares2	1726	1816	76	222 36 SW-NE	
Aug	1	Thu	paz	1751	1754	41	216 318 SW-NW	
Aug	1	Thu	ajisai	1822	1831	47	272 156 W -SE	
Aug	1	Thu	hy2b	1826	1830	31	231 310 SW-NW	

Aug	1	Thu	sentinel6a	1830	1837	34	349	71	N	-E
Aug	1	Thu	saral	1850	1856	64	4	215	N	-SW
Aug	1	Thu	stella	1855	1859	31	91	16	E	-N
Aug	1	Thu	lageos1	1859	1937	58	85	319	E	-NW
Aug	1	Thu	jason3	1922	1931	46	340	97	N	-E
Aug	1	Thu	hy2d	1933	1941	75	229	34	SW	-NE
Aug	1	Thu	swot	1944	1951	58	167	28	S	-NE
Aug	1	Thu	hy2c	2017	2024	58	338	117	N	-SE
Aug	1	Thu	sentinel6a	2025	2036	77	326	133	NW	-SE
Aug	1	Thu	stella	2033	2039	46	210	324	SW	-NW
Aug	1	Thu	sentinel3b	2054	2100	63	138	353	SE	-N
Aug	1	Thu	jason3	2118	2128	66	311	163	NW	-S
Aug	1	Thu	hy2d	2124	2127	28	320	5	NW	-N
Aug	1	Thu	swot	2130	2134	29	280	344	W	-N
Aug	1	Thu	sentinel3a	2131	2137	63	185	336	S	-NW
Aug	1	Thu	lares2	2137	2222	53	304	82	NW	-E
Aug	1	Thu	hy2c	2203	2209	37	292	195	W	-S
Aug	1	Thu	icesat2	2208	2212	46	38	163	NE	-S
Aug	1	Thu	gracefol	2220	2224	38	134	19	SE	-N
Aug	1	Thu	sentinel6a	2222	2229	33	288	209	W	-SW
Aug	1	Thu	lageos1	2227	2310	72	162	327	S	-NW
Aug	1	Thu	cryosat2	2228	2233	57	29	164	NE	-S
Aug	1	Thu	swarma	2325	2329	39	141	22	SE	-N
Aug	1	Thu	swarmc	2325	2329	45	145	17	SE	-N
Aug	2	Fri	hy2d	0102	0106	31	5	68	N	-E
Aug	2	Fri	lageos2	0118	0146	33	139	70	SE	-E
Aug	2	Fri	larets	0132	0137	39	117	7	SE	-N
Aug	2	Fri	starlette	0135	0142	45	200	86	S	-E
Aug	2	Fri	lares2	0140	0228	79	328	170	NW	-S
Aug	2	Fri	hy2d	0248	0256	81	322	142	NW	-SE
Aug	2	Fri	swarmb	0303	0307	36	33	143	NE	-SE
Aug	2	Fri	larets	0311	0313	28	254	298	W	-NW
Aug	2	Fri	starlette	0323	0331	75	253	87	W	-E
Aug	2	Fri	saral	0434	0440	49	130	0	SE	-N

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Date	Satellite	Start	End	Elev	Direction	Observer	
Aug	2	Fri	lageos2	0503	0554	82	231 70 SW-E CP
Aug	2	Fri	lares	0510	0520	44	162 48 S -NE
Aug	2	Fri	starlette	0512	0521	75	273 111 W -E
Aug	2	Fri	swot	0623	0630	65	330 180 NW-S
Aug	2	Fri	paz	0650	0654	55	354 211 N -SW
Aug	2	Fri	hy2b	0659	0706	78	11 206 N -SW
Aug	2	Fri	starlette	0702	0709	41	258 156 W -SE
Aug	2	Fri	lares	0707	0718	59	241 24 SW-NE
Aug	2	Fri	tandemx	0717	0720	32	328 244 NW-SW
Aug	2	Fri	terrasarx	0717	0720	32	328 244 NW-SW
Aug	2	Fri	stella	0843	0848	43	53 160 NE-S
Aug	2	Fri	lageos2	0909	1000	87	286 119 W -SE
Aug	2	Fri	sentinel3a	0942	0946	32	62 139 NE-SE
Aug	2	Fri	cryosat2	0942	0946	35	106 22 E -N
Aug	2	Fri	icesat2	1021	1025	62	192 346 S -N
Aug	2	Fri	stella	1023	1027	33	328 250 NW-W
Aug	2	Fri	lageos1	1038	1116	48	40 165 NE-S
Aug	2	Fri	sentinel3b	1043	1049	78	13 200 N -S
Aug	2	Fri	swarmc	1044	1046	32	60 127 NE-SE
Aug	2	Fri	gracefol	1115	1117	32	291 231 W -SW
Aug	2	Fri	cryosat2	1121	1125	33	247 328 SW-NW
Aug	2	Fri	sentinel3a	1121	1127	43	349 231 N -SW

Aug	2	Fri	ajisai	1125	1133	36	176	91	S	-E
Aug	2	Fri	beaconc	1153	1159	33	195	117	S	-SE
Aug	2	Fri	jason3	1155	1204	47	170	54	S	-NE
Aug	2	Fri	sentinel6a	1257	1308	86	216	39	SW	-NE
Aug	2	Fri	lares	1310	1319	43	350	98	N	-E
Aug	2	Fri	lageos2	1315	1351	40	294	200	NW	-S
Aug	2	Fri	hy2c	1320	1328	79	225	36	SW	-NE
Aug	2	Fri	ajisai	1324	1336	71	237	81	SW	-E
Aug	2	Fri	beaconc	1345	1352	39	228	132	SW	-SE
Aug	2	Fri	jason3	1350	1400	59	248	30	W	-NE
Aug	2	Fri	lageos1	1411	1453	71	34	246	NE	-SW
Aug	2	Fri	sentinel6a	1456	1504	38	292	27	W	-NE
Aug	2	Fri	larets	1501	1505	42	55	159	NE	-S
Aug	2	Fri	lares	1507	1518	68	320	169	NW	-S
Aug	2	Fri	swarmb	1521	1524	35	122	32	SE	-NE
Aug	2	Fri	ajisai	1526	1538	84	270	98	W	-E

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Aug	2	Fri	jason3	1550	1556	30	316 23 NW-NE	TS
Aug	2	Fri	lares2	1556	1643	79	189 32 S -NE	
Aug	2	Fri	hy2b	1704	1711	75	149 348 SE-N	
Aug	2	Fri	ajisai	1728	1739	59	275 138 W -SE	
Aug	2	Fri	paz	1733	1738	65	182 339 S -N	
Aug	2	Fri	lageos1	1740	1816	52	63 307 NE-NW	
Aug	2	Fri	jason3	1749	1755	30	349 56 N -NE	
Aug	2	Fri	tandemx	1801	1804	33	232 317 SW-NW	
Aug	2	Fri	terrasarx	1801	1804	33	232 316 SW-NW	
Aug	2	Fri	hy2d	1806	1812	41	161 58 S -NE	
Aug	2	Fri	saral	1820	1826	67	25 186 NE-S	
Aug	2	Fri	sentinel6a	1852	1901	41	340 90 N -E	
Aug	2	Fri	jason3	1944	1954	60	331 115 NW-SE	
Aug	2	Fri	swot	1944	1951	69	181 26 S -NE	
Aug	2	Fri	hy2d	1952	1959	52	253 25 W -NE	
Aug	2	Fri	lares2	2000	2045	53	279 56 W -NE	
Aug	2	Fri	stella	2007	2013	72	176 339 S -N	
Aug	2	Fri	sentinel3b	2028	2034	40	117 4 SE-N	
Aug	2	Fri	hy2c	2035	2043	78	324 139 NW-SE	
Aug	2	Fri	sentinel6a	2048	2058	76	317 153 NW-SE	
Aug	2	Fri	lageos1	2105	2148	83	132 328 SE-NW	
Aug	2	Fri	sentinel3a	2106	2112	73	155 348 SE-N	
Aug	2	Fri	swot	2132	2133	25	304 320 NW-NW	
Aug	2	Fri	jason3	2141	2150	45	297 184 NW-S	
Aug	2	Fri	icesat2	2143	2144	26	80 109 E -E	
Aug	2	Fri	sentinel3b	2209	2213	35	236 315 SW-NW	
Aug	2	Fri	swarmc	2256	2257	25	85 58 E -NE	
Aug	2	Fri	cryosat2	2316	2321	51	343 216 N -SW	
Aug	2	Fri	icesat2	2317	2318	26	288 260 W -W	
Aug	2	Fri	gracefo1	2328	2330	28	262 319 W -NW	
Aug	3	Sat	lares2	0007	0056	76	325 137 NW-SE	
Aug	3	Sat	swarmc	0030	0031	25	276 304 W -NW	
Aug	3	Sat	swarma	0030	0032	28	270 325 W -NW	
Aug	3	Sat	lageos1	0049	0118	34	226 313 SW-NW	
Aug	3	Sat	hy2d	0120	0126	40	354 94 N -E	

Aug	3	Sat	starlette	0153	0201	58	226	85	SW-E
Aug	3	Sat	larets	0208	0213	76	157	349	SE-N
Aug	3	Sat	swarmb	0245	0247	27	58	112	NE-E
Aug	3	Sat	hy2d	0306	0314	61	310	163	NW-S
Aug	3	Sat	lageos2	0311	0358	62	197	63	S -NE
Aug	3	Sat	starlette	0342	0351	80	264	93	W -E
Aug	3	Sat	lares2	0407	0439	39	320	234	NW-SW
Aug	3	Sat	swot	0440	0444	30	24	92	NE-E

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Date	Satellite	Start	End	Elev	Direction	Observer	
Aug	3	Sat	starlette	0531	0540	65	274 124 W -SE
Aug	3	Sat	hy2b	0539	0543	30	66 130 NE-SE
Aug	3	Sat	saral	0542	0548	47	200 328 S -NW
Aug	3	Sat	lares	0603	0614	84	206 33 SW-NE
Aug	3	Sat	swot	0624	0630	54	321 191 NW-S
Aug	3	Sat	paz	0633	0637	75	17 193 N -S
Aug	3	Sat	terrasarx	0700	0703	48	338 226 N -SW
Aug	3	Sat	tandemx	0700	0703	48	337 226 NW-SW
Aug	3	Sat	lageos2	0712	0804	86	266 92 W -E
Aug	3	Sat	hy2b	0721	0728	57	359 223 N -SW
Aug	3	Sat	starlette	0722	0726	30	242 187 SW-S
Aug	3	Sat	lares	0803	0811	36	283 13 W -N
Aug	3	Sat	icesat2	0955	0959	63	157 5 SE-N
Aug	3	Sat	stella	0956	1001	52	349 227 N -SW
Aug	3	Sat	sentinel3b	1017	1023	58	33 177 NE-S
Aug	3	Sat	cryosat2	1029	1035	73	177 354 S -N
Aug	3	Sat	gracefo1	1047	1051	58	338 196 N -S
Aug	3	Sat	sentinel3a	1055	1101	67	5 211 N -SW
Aug	3	Sat	lageos2	1118	1205	64	297 161 NW-S
Aug	3	Sat	sentinel6a	1126	1134	38	155 59 SE-NE
Aug	3	Sat	swarmc	1147	1150	34	315 223 NW-SW
Aug	3	Sat	swarma	1147	1150	38	323 220 NW-SW
Aug	3	Sat	hy2c	1153	1159	38	158 60 S -NE
Aug	3	Sat	lares	1206	1212	30	357 61 N -NE
Aug	3	Sat	jason3	1217	1227	67	195 45 S -NE
Aug	3	Sat	ajisai	1230	1242	61	222 79 SW-E
Aug	3	Sat	lageos1	1248	1332	87	32 219 NE-SW
Aug	3	Sat	beaconc	1301	1308	39	220 124 SW-SE
Aug	3	Sat	sentinel6a	1320	1331	68	238 35 SW-NE
Aug	3	Sat	hy2c	1339	1347	55	249 31 W -NE
Aug	3	Sat	lares	1403	1414	73	334 136 NW-SE
Aug	3	Sat	jason3	1414	1423	46	272 28 W -NE
Aug	3	Sat	lares2	1429	1511	54	155 33 SE-NE
Aug	3	Sat	ajisai	1431	1444	85	263 90 W -E
Aug	3	Sat	beaconc	1454	1500	31	230 158 SW-S
Aug	3	Sat	sentinel6a	1520	1526	32	312 22 NW-N
Aug	3	Sat	larets	1537	1542	84	15 197 N -S
Aug	3	Sat	lares	1602	1610	34	295 211 NW-SW

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Date		Satellite	Start	End	Elev	Direction	Observer
Aug 3 Sat		lageos1	1620	1657	53	47 289 NE-W	MW
Aug 3 Sat		ajisai	1633	1645	70	278 123 W -SE	
Aug 3 Sat		paz	1716	1720	76	159 350 S -N	
Aug 3 Sat		hy2b	1726	1733	78	172 340 S -N	
Aug 3 Sat		terrasarx	1743	1747	50	196 330 S -NW	
Aug 3 Sat		tandemx	1743	1747	50	196 330 S -NW	
Aug 3 Sat		saral	1749	1754	41	52 157 NE-SE	
Aug 3 Sat		jason3	1811	1819	35	341 73 N -E	
Aug 3 Sat		lares2	1822	1910	63	246 42 SW-NE	
Aug 3 Sat		hy2d	1823	1831	63	196 46 S -NE	
Aug 3 Sat		ajisai	1836	1844	34	262 180 W -S	
Aug 3 Sat		hy2c	1907	1913	38	355 92 N -E	
Aug 3 Sat		sentinel6a	1914	1924	53	333 106 NW-E	
Aug 3 Sat		saral	1929	1933	34	325 246 NW-SW	
Aug 3 Sat		stella	1940	1946	68	147 353 SE-N	
Aug 3 Sat		lageos1	1944	2025	66	104 324 E -NW	
Aug 3 Sat		swot	1945	1952	80	189 21 S -N	
Aug 3 Sat		jason3	2007	2018	79	325 137 NW-SE	
Aug 3 Sat		hy2d	2011	2018	39	275 24 W -NE	
Aug 3 Sat		sentinel3a	2040	2046	50	130 1 SE-N	
Aug 3 Sat		hy2c	2053	2101	65	312 160 NW-S	
Aug 3 Sat		sentinel6a	2111	2120	55	304 176 NW-S	
Aug 3 Sat		sentinel3b	2142	2148	55	197 333 S -NW	
Aug 3 Sat		jason3	2204	2210	30	285 217 W -SW	
Aug 3 Sat		sentinel3a	2222	2225	28	252 305 W -NW	
Aug 3 Sat		cryosat2	2226	2231	62	25 167 NE-S	
Aug 3 Sat		lares2	2234	2321	59	316 106 NW-E	
Aug 3 Sat		icesat2	2250	2254	44	331 211 NW-SW	
Aug 3 Sat		gracefo1	2300	2304	52	217 348 SW-N	
Aug 3 Sat		lageos1	2318	2358	56	184 324 S -NW	
Aug 3 Sat		swarmc	2358	0002	45	216 346 SW-N	
Aug 3 Sat		swarma	2358	0002	54	206 349 SW-N	
Aug 4 Sun		starlette	0025	0030	34	180 100 S -E	
Aug 4 Sun		larets	0109	0111	25	73 33 E -NE	
Aug 4 Sun		lageos2	0127	0201	39	154 67 SE-NE	
Aug 4 Sun		hy2d	0138	0145	55	341 114 N -SE	
Aug 4 Sun		starlette	0212	0220	71	243 85 SW-E	
Aug 4 Sun		lares2	0233	0318	61	327 194 NW-S	
Aug 4 Sun		larets	0245	0250	47	208 330 SW-NW	
Aug 4 Sun		hy2d	0325	0331	40	293 192 NW-S	
Aug 4 Sun		swarmb	0401	0404	36	308 220 NW-SW	
Aug 4 Sun		starlette	0401	0410	81	271 102 W -E	
Aug 4 Sun		swot	0441	0446	35	26 112 NE-E	

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Aug 4 Sun		lares	0459	0509	50	171 48 S -NE	
Aug 4 Sun		saral	0510	0517	85	166 344 S -N	
Aug 4 Sun		lageos2	0516	0608	86	238 73 SW-E	

Aug	4	Sun	starlette	0551	0559	52	265	139	W	-SE
Aug	4	Sun	hy2b	0600	0607	43	44	161	NE	-S
Aug	4	Sun	paz	0616	0620	55	46	177	NE	-S
Aug	4	Sun	swot	0625	0631	47	312	196	NW	-S
Aug	4	Sun	tandemx	0642	0647	76	7	201	N	-S
Aug	4	Sun	terrasarx	0642	0647	76	7	201	N	-S
Aug	4	Sun	lares	0657	0708	54	249	24	W	-NE
Aug	4	Sun	hy2b	0743	0749	41	350	245	N	-SW
Aug	4	Sun	lageos2	0923	1014	84	290	127	W	-SE
Aug	4	Sun	stella	0929	0935	73	12	202	N	-S
Aug	4	Sun	icesat2	0930	0933	35	110	22	E	-N
Aug	4	Sun	cryosat2	0940	0944	37	110	21	E	-N
Aug	4	Sun	sentinel3b	0951	0956	37	47	148	NE	-SE
Aug	4	Sun	gracefo1	1020	1024	71	17	173	N	-S
Aug	4	Sun	sentinel3a	1029	1036	76	22	189	N	-S
Aug	4	Sun	swarma	1116	1120	82	354	183	N	-S
Aug	4	Sun	swarmc	1116	1120	68	348	190	N	-S
Aug	4	Sun	cryosat2	1119	1122	31	248	313	W	-NW
Aug	4	Sun	lageos1	1126	1208	64	35	188	NE	-S
Aug	4	Sun	sentinel3b	1131	1136	38	342	243	N	-SW
Aug	4	Sun	ajisai	1137	1147	49	202	83	S	-E
Aug	4	Sun	sentinel6a	1147	1157	57	185	49	S	-NE
Aug	4	Sun	hy2c	1210	1218	58	192	47	S	-NE
Aug	4	Sun	beaconc	1216	1223	38	222	124	SW	-SE
Aug	4	Sun	jason3	1239	1250	87	220	38	SW	-NE
Aug	4	Sun	lares	1259	1309	47	345	105	N	-E
Aug	4	Sun	lares2	1310	1336	33	111	42	E	-NE
Aug	4	Sun	lageos2	1331	1400	34	288	214	W	-SW
Aug	4	Sun	ajisai	1337	1349	81	253	85	W	-E
Aug	4	Sun	sentinel6a	1343	1353	52	257	29	W	-NE
Aug	4	Sun	hy2c	1358	1405	41	272	24	W	-NE
Aug	4	Sun	beaconc	1410	1416	33	224	148	SW	-SE
Aug	4	Sun	jason3	1438	1445	37	295	22	NW	-N
Aug	4	Sun	lares	1457	1508	61	316	174	NW	-S
Aug	4	Sun	lageos1	1459	1539	61	37	264	NE	-W
Aug	4	Sun	ajisai	1539	1551	78	276	111	W	-E
Aug	4	Sun	hy2b	1606	1611	32	96	16	E	-N
Aug	4	Sun	larets	1613	1618	44	347	230	N	-SW
Aug	4	Sun	swarmb	1618	1622	37	231	341	SW	-N

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Aug	4	Sun	lares2	1648	1737	82	214 35 SW-NE	VS
Aug	4	Sun	paz	1659	1703	49	134 2 SE-N	
Aug	4	Sun	terrasarx	1726	1730	65	172 344 S -N	
Aug	4	Sun	tandemx	1726	1730	65	172 344 S -N	
Aug	4	Sun	ajisai	1741	1751	45	272 160 W -S	
Aug	4	Sun	sentinel6a	1742	1748	32	350 61 N -NE	
Aug	4	Sun	hy2b	1748	1755	56	193 330 S -NW	
Aug	4	Sun	lageos1	1826	1903	55	78 316 E -NW	
Aug	4	Sun	jason3	1834	1843	43	341 93 N -E	
Aug	4	Sun	hy2d	1841	1849	82	221 37 SW-NE	
Aug	4	Sun	saral	1856	1902	59	1 219 N -SW	
Aug	4	Sun	stella	1914	1919	43	118 9 SE-N	
Aug	4	Sun	hy2c	1925	1932	51	342 111 N -E	
Aug	4	Sun	sentinel6a	1937	1948	69	328 127 NW-SE	
Aug	4	Sun	swot	1945	1953	76	199 17 S -N	
Aug	4	Sun	sentinel3a	2015	2020	33	102 12 E -N	

Aug	4	Sun	jason3	2029	2040	73	316	156	NW-SE
Aug	4	Sun	hy2d	2031	2035	30	304	7	NW-N
Aug	4	Sun	stella	2055	2059	32	240	314	SW-NW
Aug	4	Sun	lares2	2058	2143	52	299	75	NW-E
Aug	4	Sun	hy2c	2112	2119	43	295	182	NW-S
Aug	4	Sun	sentinel3b	2116	2122	80	165	344	S -N
Aug	4	Sun	sentinel6a	2134	2142	37	291	197	W -S
Aug	4	Sun	cryosat2	2137	2138	25	78	97	E -E
Aug	4	Sun	lageos1	2153	2236	80	152	328	SE-NW
Aug	4	Sun	sentinel3a	2154	2200	43	204	325	SW-NW
Aug	4	Sun	icesat2	2224	2228	73	3	188	N -S
Aug	4	Sun	gracefo1	2232	2237	82	174	2	S -N
Aug	4	Sun	cryosat2	2314	2319	47	341	220	N -SW
Aug	4	Sun	swarma	2328	2332	67	164	8	S -N
Aug	4	Sun	swarmc	2328	2332	81	175	4	S -N
Aug	5	Mon	hy2d	0010	0014	28	7	65	N -NE
Aug	5	Mon	starlette	0043	0050	47	208	88	SW-E
Aug	5	Mon	lares2	0101	0150	86	327	161	NW-S
Aug	5	Mon	larets	0144	0149	48	121	359	SE-N
Aug	5	Mon	hy2d	0156	0204	76	327	135	NW-SE
Aug	5	Mon	starlette	0231	0240	80	256	88	W -E
Aug	5	Mon	lageos2	0324	0412	68	205	63	SW-NE
Aug	5	Mon	swarmb	0342	0346	51	327	200	NW-S
Aug	5	Mon	starlette	0421	0429	74	272	113	W -SE
Aug	5	Mon	saral	0439	0445	54	134	359	SE-N
Aug	5	Mon	swot	0441	0447	39	14	120	N -SE

OBSERVING SCHEDULE (Times are in U.T.)										
Date	Satellite	Start	End	Elev	Direction	Observer				
Aug	5	Mon	lares	0552	0604	83	214	32	SW-NE	CP
Aug	5	Mon	paz	0559	0602	35	69	154	E -SE	
Aug	5	Mon	starlette	0610	0617	39	261	161	W -S	
Aug	5	Mon	hy2b	0622	0629	60	32	176	NE-S	
Aug	5	Mon	swot	0625	0631	40	314	208	NW-SW	
Aug	5	Mon	tandemx	0625	0629	67	25	182	NE-S	
Aug	5	Mon	terrasarx	0625	0629	67	25	182	NE-S	
Aug	5	Mon	lageos2	0726	0818	86	272	98	W -E	
Aug	5	Mon	lares	0753	0801	33	290	15	W -N	
Aug	5	Mon	hy2b	0806	0810	30	333	268	NW-W	
Aug	5	Mon	stella	0902	0909	62	29	180	NE-S	
Aug	5	Mon	gracefo1	0953	0956	38	53	145	NE-SE	
Aug	5	Mon	sentinel3a	1004	1009	48	48	164	NE-S	
Aug	5	Mon	lageos1	1005	1039	41	44	152	NE-SE	
Aug	5	Mon	cryosat2	1027	1033	72	182	351	S -N	
Aug	5	Mon	icesat2	1038	1041	33	244	328	SW-NW	
Aug	5	Mon	ajisai	1044	1052	38	180	91	S -E	
Aug	5	Mon	swarmc	1046	1050	54	22	162	N -S	
Aug	5	Mon	swarma	1046	1050	45	25	155	NE-SE	
Aug	5	Mon	sentinel3b	1105	1111	56	357	218	N -SW	
Aug	5	Mon	jason3	1107	1116	41	164	57	S -NE	
Aug	5	Mon	beaonc	1132	1139	36	214	118	SW-SE	
Aug	5	Mon	lageos2	1132	1218	58	298	169	NW-S	
Aug	5	Mon	sentinel3a	1144	1148	30	328	254	NW-W	
Aug	5	Mon	lares	1156	1203	32	1	75	N -E	
Aug	5	Mon	sentinel6a	1209	1220	80	208	41	SW-NE	
Aug	5	Mon	hy2c	1228	1236	85	217	39	SW-NE	
Aug	5	Mon	ajisai	1243	1255	73	240	81	SW-E	
Aug	5	Mon	jason3	1302	1312	65	242	32	SW-NE	

Aug	5	Mon	beaconc	1325	1331	35	229	146	SW-SE
Aug	5	Mon	lageos1	1337	1419	77	33	238	NE-SW
Aug	5	Mon	lares	1353	1404	80	332	143	NW-SE
Aug	5	Mon	sentinel6a	1407	1416	41	280	28	W -NE
Aug	5	Mon	hy2c	1418	1423	31	303	18	NW-N
Aug	5	Mon	ajisai	1445	1457	82	272	100	W -E
Aug	5	Mon	jason3	1502	1508	31	315	23	NW-NE
Aug	5	Mon	larets	1512	1517	55	36	172	NE-S
Aug	5	Mon	lares2	1518	1604	72	180	32	S -NE
Aug	5	Mon	lares	1552	1558	30	289	226	W -SW
Aug	5	Mon	swarmb	1559	1603	51	211	347	SW-N
Aug	5	Mon	hy2b	1628	1634	44	109	2	E -N

OBSERVING SCHEDULE (Times are in U.T.)										
Date	Satellite	Start	End	Elev	Direction	Observer				
Aug	5	Mon	paz	1643	1645	32	87	25	E -NE	TS
Aug	5	Mon	ajisai	1647	1658	57	275	141	W -SE	
Aug	5	Mon	lageos1	1707	1743	51	57	302	NE-NW	
Aug	5	Mon	tandemx	1709	1713	60	141	355	SE-N	
Aug	5	Mon	terrasarx	1709	1713	60	142	355	SE-N	
Aug	5	Mon	hy2d	1714	1720	36	154	61	SE-NE	
Aug	5	Mon	sentinel6a	1804	1812	38	342	80	N -E	
Aug	5	Mon	hy2b	1811	1817	39	219	321	SW-NW	
Aug	5	Mon	saral	1825	1831	72	21	190	N -S	
Aug	5	Mon	jason3	1856	1906	55	333	109	NW-E	
Aug	5	Mon	hy2d	1900	1907	59	246	28	SW-NE	
Aug	5	Mon	lares2	1920	2005	55	271	51	W -NE	
Aug	5	Mon	hy2c	1943	1951	72	329	132	NW-SE	
Aug	5	Mon	swot	1946	1953	74	209	13	SW-N	
Aug	5	Mon	sentinel6a	2000	2010	80	320	146	NW-SE	
Aug	5	Mon	stella	2027	2033	51	197	330	S -NW	
Aug	5	Mon	lageos1	2031	2113	77	122	327	SE-NW	
Aug	5	Mon	sentinel3b	2050	2056	57	136	356	SE-N	
Aug	5	Mon	jason3	2052	2102	52	307	178	NW-S	
Aug	5	Mon	hy2d	2052	2053	25	345	359	N -N	
Aug	5	Mon	sentinel3a	2128	2134	68	179	337	S -NW	
Aug	5	Mon	hy2c	2132	2135	27	264	219	W -SW	
Aug	5	Mon	icesat2	2158	2202	48	36	164	NE-S	
Aug	5	Mon	gracefo1	2206	2209	43	121	20	SE-N	
Aug	5	Mon	cryosat2	2224	2229	67	21	171	N -S	
Aug	5	Mon	swarmc	2258	2301	39	115	23	SE-NE	
Aug	5	Mon	swarma	2258	2301	35	116	28	SE-NE	
Aug	5	Mon	starlette	2317	2318	25	135	120	SE-SE	
Aug	5	Mon	lares2	2328	0017	71	323	129	NW-SE	
Aug	6	Tue	lageos1	0011	0045	41	210	318	SW-NW	
Aug	6	Tue	hy2d	0028	0033	36	357	82	N -E	
Aug	6	Tue	starlette	0102	0110	61	227	83	SW-E	
Aug	6	Tue	lageos2	0137	0216	44	166	64	S -NE	
Aug	6	Tue	hy2d	0214	0222	69	314	156	NW-SE	
Aug	6	Tue	larets	0220	0225	80	172	342	S -N	
Aug	6	Tue	starlette	0251	0259	82	265	94	W -E	
Aug	6	Tue	swarmb	0323	0327	64	348	187	N -S	
Aug	6	Tue	lares2	0328	0404	44	322	222	NW-SW	
Aug	6	Tue	saral	0409	0413	32	93	16	E -N	

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 6 Tue	starlette	0440	0448	62	271 128 W -SE	MW
Aug 6 Tue	swot	0442	0448	46	14 129 N -SE	
Aug 6 Tue	lares	0449	0459	56	175 43 S -NE	
Aug 6 Tue	lageos2	0530	0622	89	246 77 SW-E	
Aug 6 Tue	saral	0548	0553	43	217 325 SW-NW	
Aug 6 Tue	terrasarx	0608	0612	41	44 165 NE-S	
Aug 6 Tue	tandemx	0608	0612	41	44 165 NE-S	
Aug 6 Tue	swot	0626	0631	34	306 220 NW-SW	
Aug 6 Tue	hy2b	0644	0652	80	19 195 N -S	
Aug 6 Tue	lares	0647	0657	49	257 21 W -N	
Aug 6 Tue	paz	0716	0718	32	308 248 NW-W	
Aug 6 Tue	stella	0836	0841	38	49 150 NE-SE	
Aug 6 Tue	lageos2	0937	1027	79	292 135 W -SE	
Aug 6 Tue	cryosat2	0938	0942	40	113 20 SE-N	
Aug 6 Tue	sentinel3a	0939	0942	30	77 134 E -SE	
Aug 6 Tue	icesat2	1011	1015	59	194 345 S -N	
Aug 6 Tue	stella	1016	1021	38	339 241 N -SW	
Aug 6 Tue	sentinel6a	1039	1045	34	141 69 SE-E	
Aug 6 Tue	sentinel3b	1039	1045	77	16 196 N -S	
Aug 6 Tue	beaconc	1048	1054	33	204 120 SW-SE	
Aug 6 Tue	gracefo1	1100	1102	30	300 240 NW-SW	
Aug 6 Tue	hy2c	1101	1106	33	152 73 SE-E	
Aug 6 Tue	sentinel3a	1117	1123	46	353 230 N -SW	
Aug 6 Tue	jason3	1129	1139	60	188 47 S -NE	
Aug 6 Tue	ajisai	1149	1201	63	226 80 SW-E	
Aug 6 Tue	lageos1	1214	1257	80	33 209 NE-SW	
Aug 6 Tue	sentinel6a	1232	1243	75	231 36 SW-NE	
Aug 6 Tue	beaconc	1241	1247	37	223 137 SW-SE	
Aug 6 Tue	hy2c	1247	1255	63	242 33 SW-NE	
Aug 6 Tue	lares	1249	1259	51	345 112 N -E	
Aug 6 Tue	jason3	1325	1335	49	261 29 W -NE	
Aug 6 Tue	ajisai	1351	1403	85	265 92 W -E	
Aug 6 Tue	lares2	1353	1432	48	144 34 SE-NE	
Aug 6 Tue	sentinel6a	1431	1438	34	301 22 NW-N	
Aug 6 Tue	lares	1447	1457	54	310 182 NW-S	

OBSERVING SCHEDULE			(Times are in U.T.)						
Date		Satellite	Start	End	Elev	Direction		Observer	
Aug	6 Tue	swarmb	1540	1544	74	189 357	S -N	VS	
Aug	6 Tue	lageos1	1547	1624	55	43 281	NE-W		
Aug	6 Tue	larets	1548	1554	65	6 206	N -SW		
Aug	6 Tue	ajisai	1552	1604	69	279 126	W -SE		
Aug	6 Tue	hy2b	1649	1656	61	137 355	SE-N		
Aug	6 Tue	terrasarx	1652	1655	41	115 14	SE-N		
Aug	6 Tue	tandemx	1652	1655	41	115 14	SE-N		
Aug	6 Tue	jason3	1723	1730	33	342 64	N -NE		
Aug	6 Tue	hy2d	1731	1739	55	187 49	S -NE		
Aug	6 Tue	lares2	1743	1831	67	238 40	SW-NE		
Aug	6 Tue	saral	1754	1759	45	48 160	NE-S		
Aug	6 Tue	ajisai	1756	1803	32	254 183	W -S		
Aug	6 Tue	paz	1759	1802	34	225 313	SW-NW		
Aug	6 Tue	hy2c	1815	1820	35	358 79	N -E		
Aug	6 Tue	sentinel6a	1826	1836	48	334 101	NW-E		
Aug	6 Tue	lageos1	1912	1951	61	94 322	E -NW		
Aug	6 Tue	jason3	1919	1929	72	328 129	NW-SE		
Aug	6 Tue	hy2d	1919	1926	43	270 25	W -NE		
Aug	6 Tue	saral	1934	1938	32	324 250	NW-W		
Aug	6 Tue	swot	1947	1954	64	220 10	SW-N		
Aug	6 Tue	stella	2000	2007	82	167 343	S -N		
Aug	6 Tue	hy2c	2001	2009	74	316 153	NW-SE		
Aug	6 Tue	sentinel6a	2022	2033	62	312 166	NW-S		
Aug	6 Tue	sentinel3b	2025	2030	38	104 7	E -N		
Aug	6 Tue	sentinel3a	2102	2108	73	151 351	SE-N		
Aug	6 Tue	jason3	2116	2123	35	287 205	W -SW		
Aug	6 Tue	icesat2	2133	2134	27	83 112	E -E		
Aug	6 Tue	cryosat2	2135	2137	26	77 115	E -SE		
Aug	6 Tue	gracefol	2140	2141	25	71 47	E -NE		
Aug	6 Tue	lares2	2154	2240	56	312 96	NW-E		
Aug	6 Tue	sentinel3b	2205	2209	36	229 314	SW-NW		
Aug	6 Tue	lageos1	2242	2324	64	173 326	S -NW		
Aug	6 Tue	icesat2	2307	2308	25	284 258	W -W		
Aug	6 Tue	cryosat2	2312	2317	43	339 223	N -SW		
Aug	6 Tue	gracefol	2314	2315	27	284 311	W -NW		
Aug	6 Tue	starlette	2333	2339	36	189 94	S -E		
Aug	7 Wed	swarmc	0002	0004	29	271 326	W -NW		
Aug	7 Wed	swarma	0002	0004	32	263 327	W -NW		
Aug	7 Wed	hy2d	0046	0053	49	345 109	N -E		
Aug	7 Wed	larets	0120	0123	31	90 23	E -NE		
Aug	7 Wed	starlette	0121	0129	72	244 85	SW-E		
Aug	7 Wed	lares2	0155	0240	68	327 185	NW-S		
Aug	7 Wed	hy2d	0233	0240	46	297 178	NW-S		
Aug	7 Wed	larets	0257	0301	37	225 319	SW-NW		
Aug	7 Wed	swarmb	0304	0308	68	7 171	N -S		
Aug	7 Wed	starlette	0310	0318	76	271 104	W -E		
Aug	7 Wed	lageos2	0337	0426	73	214 65	SW-NE		
Aug	7 Wed	lares	0347	0354	31	133 60	SE-NE		

OBSERVING SCHEDULE (Times are in U.T.)							
Date	Satellite	Start	End	Elev	Direction	Observer	
Aug 7 Wed	swot	0442	0449	54	2 138 N -SE	CP	
Aug 7 Wed	starlette	0459	0507	49	268 144 W -SE		
Aug 7 Wed	saral	0516	0522	78	174 341 S -N		
Aug 7 Wed	lares	0542	0553	78	222 29 SW-NE		
Aug 7 Wed	paz	0658	0702	48	343 218 N -SW		
Aug 7 Wed	hy2b	0706	0714	68	8 211 N -SW		
Aug 7 Wed	lageos2	0741	0832	87	277 105 W -E		
Aug 7 Wed	lares	0743	0750	31	296 10 NW-N		
Aug 7 Wed	icesat2	0945	0949	61	157 3 SE-N		
Aug 7 Wed	stella	0949	0955	57	359 218 N -SW		

Aug	7	Wed	beaconc	1004	1009	30	195	124	S -SE
Aug	7	Wed	sentinel3b	1013	1019	55	34	173	NE-S
Aug	7	Wed	cryosat2	1025	1031	69	186	349	S -N
Aug	7	Wed	gracefol	1032	1036	50	339	201	N -S
Aug	7	Wed	sentinel3a	1051	1058	73	8	206	N -SW
Aug	7	Wed	lageos1	1052	1132	56	37	177	NE-S
Aug	7	Wed	ajisai	1056	1106	51	205	83	SW-E
Aug	7	Wed	sentinel6a	1100	1109	50	172	52	S -NE
Aug	7	Wed	swarma	1119	1123	44	331	203	NW-SW
Aug	7	Wed	swarmc	1119	1122	40	322	218	NW-SW
Aug	7	Wed	hy2c	1119	1126	51	176	50	S -NE
Aug	7	Wed	lares	1145	1153	34	354	81	N -E
Aug	7	Wed	lageos2	1147	1229	52	296	179	NW-S
Aug	7	Wed	jason3	1151	1202	84	212	40	SW-NE
Aug	7	Wed	beaconc	1156	1203	37	227	129	SW-SE
Aug	7	Wed	sentinel6a	1255	1305	56	252	30	W -NE
Aug	7	Wed	ajisai	1256	1308	83	255	86	W -E
Aug	7	Wed	hy2c	1306	1313	45	267	26	W -NE
Aug	7	Wed	lares	1342	1354	83	328	149	NW-SE
Aug	7	Wed	jason3	1349	1357	39	283	23	W -NE
Aug	7	Wed	lageos1	1425	1506	66	35	256	NE-W
Aug	7	Wed	larets	1448	1452	33	63	149	NE-SE
Aug	7	Wed	ajisai	1458	1510	77	277	113	W -SE
Aug	7	Wed	swarmb	1521	1526	72	169	7	S -N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer		
Aug	7	Wed	lares2	1609	1658	88	205 33 SW-NE	MW
Aug	7	Wed	larets	1625	1629	35	336 245 NW-SW	
Aug	7	Wed	sentinel6a	1653	1700	31	341 59 N -NE	
Aug	7	Wed	ajisai	1701	1710	43	266 163 W -S	
Aug	7	Wed	hy2b	1711	1718	82	157 346 SE-N	
Aug	7	Wed	paz	1741	1745	52	193 329 S -NW	
Aug	7	Wed	jason3	1746	1754	40	343 83 N -E	
Aug	7	Wed	hy2d	1749	1757	81	213 40 SW-NE	
Aug	7	Wed	lageos1	1753	1830	53	70 312 E -NW	
Aug	7	Wed	hy2c	1833	1840	46	346 106 N -E	
Aug	7	Wed	sentinel6a	1849	1859	63	331 119 NW-SE	
Aug	7	Wed	saral	1902	1907	54	350 224 N -SW	
Aug	7	Wed	stella	1934	1940	60	137 354 SE-N	
Aug	7	Wed	hy2d	1939	1944	32	303 19 NW-N	
Aug	7	Wed	jason3	1941	1952	81	319 149 NW-SE	
Aug	7	Wed	swot	1948	1954	53	232 3 SW-N	
Aug	7	Wed	lares2	2017	2102	52	291 67 W -NE	
Aug	7	Wed	hy2c	2020	2027	50	300 175 NW-S	
Aug	7	Wed	sentinel3a	2037	2042	47	119 4 SE-N	
Aug	7	Wed	sentinel6a	2046	2054	42	294 191 NW-S	
Aug	7	Wed	lageos1	2118	2202	87	142 328 SE-NW	
Aug	7	Wed	sentinel3b	2138	2144	57	190 333 S -NW	
Aug	7	Wed	sentinel3a	2218	2221	30	247 303 SW-NW	

Aug	7	Wed	cryosat2	2222	2227	73	17	175	N	-S
Aug	7	Wed	icesat2	2240	2243	44	324	219	NW	-SW
Aug	7	Wed	gracefo1	2245	2249	45	216	344	SW	-N
Aug	7	Wed	hy2d	2318	2321	27	8	52	N	-NE
Aug	7	Wed	swarma	2330	2334	65	197	354	S	-N
Aug	7	Wed	swarmc	2330	2334	53	206	350	SW	-N
Aug	7	Wed	starlette	2352	2359	48	207	85	SW	-E
Aug	8	Thu	lares2	0022	0111	86	327	153	NW	-SE
Aug	8	Thu	hy2d	0104	0112	69	331	129	NW	-SE
Aug	8	Thu	lageos1	0110	0128	28	248	300	W	-NW
Aug	8	Thu	starlette	0140	0148	75	257	89	W	-E
Aug	8	Thu	lageos2	0148	0231	50	177	62	S	-NE
Aug	8	Thu	larets	0155	0200	60	141	357	SE	-N
Aug	8	Thu	swarmb	0245	0249	52	20	154	N	-SE
Aug	8	Thu	hy2d	0252	0256	29	278	217	W	-SW
Aug	8	Thu	starlette	0329	0337	71	273	117	W	-SE
Aug	8	Thu	lares2	0424	0445	30	312	258	NW	-W

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer		
Aug	8	Thu	lares	0438	0449	64	185 40 S -NE	TS
Aug	8	Thu	swot	0443	0450	61	359 146 N -SE	
Aug	8	Thu	saral	0444	0450	59	139 357 SE-N	
Aug	8	Thu	starlette	0519	0525	36	254 167 W -S	
Aug	8	Thu	lageos2	0544	0636	88	253 81 W -E	
Aug	8	Thu	hy2b	0546	0551	34	58 141 NE-SE	
Aug	8	Thu	lares	0637	0647	45	264 22 W -N	
Aug	8	Thu	paz	0640	0645	76	8 201 N -S	
Aug	8	Thu	tandemx	0708	0711	40	330 233 NW-SW	
Aug	8	Thu	terrasarx	0708	0711	40	330 234 NW-SW	
Aug	8	Thu	hy2b	0728	0735	50	358 230 N -SW	
Aug	8	Thu	icesat2	0920	0923	35	101 18 E -N	
Aug	8	Thu	stella	0922	0929	86	17 196 N -S	
Aug	8	Thu	lageos1	0932	1001	34	49 137 NE-SE	
Aug	8	Thu	cryosat2	0935	0940	43	133 18 SE-N	
Aug	8	Thu	sentinel3b	0948	0952	35	60 143 NE-SE	
Aug	8	Thu	lageos2	0951	1040	75	294 143 NW-SE	
Aug	8	Thu	ajisai	1003	1012	40	183 86 S -E	
Aug	8	Thu	gracefo1	1005	1009	70	9 176 N -S	
Aug	8	Thu	jason3	1020	1027	36	151 66 SE-NE	
Aug	8	Thu	sentinel3a	1025	1032	71	24 186 NE-S	
Aug	8	Thu	swarmc	1048	1052	78	355 182 N -S	
Aug	8	Thu	swarma	1049	1052	83	5 174 N -S	
Aug	8	Thu	beaconc	1112	1118	37	219 129 SW-SE	
Aug	8	Thu	sentinel6a	1121	1132	72	201 43 S -NE	
Aug	8	Thu	sentinel3b	1127	1132	39	347 243 N -SW	
Aug	8	Thu	hy2c	1136	1144	78	209 42 SW-NE	
Aug	8	Thu	ajisai	1202	1214	75	243 82 SW-E	
Aug	8	Thu	jason3	1214	1224	71	235 34 SW-NE	
Aug	8	Thu	lares	1238	1249	56	340 119 N -SE	
Aug	8	Thu	lageos1	1302	1346	84	33 228 NE-SW	
Aug	8	Thu	beaconc	1305	1310	30	229 163 SW-S	
Aug	8	Thu	sentinel6a	1319	1328	44	276 29 W -NE	
Aug	8	Thu	hy2c	1325	1331	33	287 19 W -N	
Aug	8	Thu	ajisai	1404	1416	80	273 102 W -E	
Aug	8	Thu	jason3	1413	1420	33	304 24 NW-NE	

Aug	8	Thu	lares	1436	1446	48	310	190	NW-S
Aug	8	Thu	lares2	1440	1525	66	172	33	S -NE
Aug	8	Thu	swarmb	1503	1507	49	139	16	SE-N
Aug	8	Thu	larets	1524	1529	69	29	184	NE-S
Aug	8	Thu	ajisai	1606	1617	55	275	144	W -SE
Aug	8	Thu	hy2d	1623	1627	31	136	73	SE-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer			
Aug	8	Thu	lageos1	1634	1710	52	51 296 NE-NW	VS	
Aug	8	Thu	sentinel6a	1716	1724	36	343 77 N -E		
Aug	8	Thu	paz	1724	1728	70	171 344 S -N		
Aug	8	Thu	hy2b	1733	1741	69	178 338 S -N		
Aug	8	Thu	tandemx	1751	1755	41	206 325 SW-NW		
Aug	8	Thu	terrasarx	1751	1755	41	206 325 SW-NW		
Aug	8	Thu	swot	1805	1810	33	132 48 SE-NE		
Aug	8	Thu	hy2d	1808	1816	67	239 34 SW-NE		
Aug	8	Thu	jason3	1808	1818	50	335 104 NW-E		
Aug	8	Thu	saral	1830	1836	76	17 195 N -S		
Aug	8	Thu	lares2	1839	1926	57	262 48 W -NE		
Aug	8	Thu	hy2c	1851	1859	65	333 126 NW-SE		
Aug	8	Thu	stella	1908	1913	39	107 8 E -N		
Aug	8	Thu	sentinel6a	1912	1922	80	324 139 NW-SE		
Aug	8	Thu	swot	1949	1955	47	245 2 SW-N		
Aug	8	Thu	lageos1	1958	2039	71	113 326 SE-NW		
Aug	8	Thu	jason3	2004	2014	59	309 171 NW-S		
Aug	8	Thu	sentinel3a	2012	2016	31	88 15 E -N		
Aug	8	Thu	hy2c	2039	2044	32	280 203 W -SW		
Aug	8	Thu	stella	2048	2052	36	226 311 SW-NW		
Aug	8	Thu	sentinel6a	2110	2114	28	271 226 W -SW		
Aug	8	Thu	sentinel3b	2112	2118	75	161 346 S -N		
Aug	8	Thu	cryosat2	2132	2135	28	55 116 NE-SE		
Aug	8	Thu	sentinel3a	2151	2156	47	211 325 SW-NW		
Aug	8	Thu	icesat2	2213	2217	83	2 190 N -S		
Aug	8	Thu	gracefo1	2218	2222	80	179 360 S -N		
Aug	8	Thu	starlette	2225	2227	26	144 114 SE-SE		
Aug	8	Thu	lares2	2249	2337	66	321 120 NW-SE		
Aug	8	Thu	swarmc	2300	2303	69	159 12 S -N		
Aug	8	Thu	swarma	2300	2304	57	152 12 SE-N		
Aug	8	Thu	cryosat2	2311	2315	40	322 227 NW-SW		
Aug	8	Thu	lageos1	2334	0012	49	197 322 S -NW		
Aug	8	Thu	hy2d	2336	2341	33	359 78 N -E		
Aug	9	Fri	starlette	0010	0018	62	233 84 SW-E		
Aug	9	Fri	lageos2	0011	0029	27	122 79 SE-E		
Aug	9	Fri	hy2d	0122	0130	77	318 149 NW-SE		
Aug	9	Fri	starlette	0159	0207	80	267 96 W -E		
Aug	9	Fri	swarmb	0227	0230	37	49 138 NE-SE		
Aug	9	Fri	larets	0231	0237	60	183 337 S -NW		
Aug	9	Fri	lares2	0248	0328	50	325 211 NW-SW		
Aug	9	Fri	lares	0336	0344	35	142 55 SE-NE		
Aug	9	Fri	starlette	0348	0356	60	273 132 W -SE		

OBSERVING SCHEDULE (Times are in U.T.)							
Date		Satellite	Start	End	Elev	Direction	Observer
Aug 9 Fri		lageos2	0400	0440	78	222 67 SW-NE	CP
Aug 9 Fri		saral	0414	0418	34	96 15 E -N	
Aug 9 Fri		swot	0443	0450	72	350 152 N -SE	
Aug 9 Fri		lares	0531	0543	70	227 28 SW-NE	
Aug 9 Fri		saral	0553	0558	40	220 323 SW-NW	
Aug 9 Fri		hy2b	0608	0614	47	47 163 NE-S	
Aug 9 Fri		paz	0623	0627	67	25 180 NE-S	
Aug 9 Fri		tandemx	0650	0654	61	359 213 N -SW	
Aug 9 Fri		terrasarx	0650	0654	61	359 213 N -SW	
Aug 9 Fri		lares	0734	0740	30	311 13 NW-N	
Aug 9 Fri		hy2b	0751	0757	37	341 244 N -SW	
Aug 9 Fri		lageos2	0755	0846	88	282 112 W -E	
Aug 9 Fri		stella	0856	0902	52	37 173 NE-S	
Aug 9 Fri		ajisai	0910	0916	30	163 102 S -E	
Aug 9 Fri		gracefol	0938	0941	41	45 146 NE-SE	
Aug 9 Fri		sentinel3a	1000	1005	45	47 159 NE-S	
Aug 9 Fri		swarmc	1018	1021	46	32 147 NE-SE	
Aug 9 Fri		swarma	1018	1021	39	33 137 NE-SE	
Aug 9 Fri		cryosat2	1023	1029	65	190 347 S -N	
Aug 9 Fri		icesat2	1028	1030	32	259 319 W -NW	
Aug 9 Fri		beaconc	1028	1034	36	211 123 SW-SE	
Aug 9 Fri		jason3	1041	1051	53	180 50 S -NE	
Aug 9 Fri		sentinel3b	1101	1107	61	1 216 N -SW	
Aug 9 Fri		ajisai	1108	1120	65	229 80 SW-E	
Aug 9 Fri		lares	1134	1143	37	349 87 N -E	
Aug 9 Fri		lageos1	1140	1223	72	34 199 NE-S	
Aug 9 Fri		sentinel3a	1140	1144	32	333 255 NW-W	
Aug 9 Fri		sentinel6a	1144	1155	82	223 38 SW-NE	
Aug 9 Fri		hy2c	1155	1203	71	235 35 SW-NE	
Aug 9 Fri		lageos2	1201	1241	46	296 188 NW-S	
Aug 9 Fri		beaconc	1221	1226	32	223 153 SW-SE	
Aug 9 Fri		jason3	1237	1247	53	256 30 W -NE	
Aug 9 Fri		ajisai	1310	1322	84	266 93 W -E	
Aug 9 Fri		lares2	1317	1352	42	133 37 SE-NE	
Aug 9 Fri		lares	1332	1343	83	325 156 NW-SE	
Aug 9 Fri		sentinel6a	1343	1350	36	299 23 NW-NE	
Aug 9 Fri		swarmb	1444	1447	33	128 38 SE-NE	

OBSERVING SCHEDULE (Times are in U.T.)							
Date		Satellite	Start	End	Elev	Direction	Observer
Aug 9 Fri		ajisai	1512	1523	67	277 129 W -SE	VS
Aug 9 Fri		lageos1	1513	1551	58	40 274 NE-W	
Aug 9 Fri		larets	1600	1605	57	356 219 N -SW	
Aug 9 Fri		hy2b	1613	1619	35	104 8 E -N	

Aug 9 Fri	jason3	1635	1642	32	343	61	N -NE
Aug 9 Fri	hy2d	1640	1646	47	171	57	S -NE
Aug 9 Fri	lares2	1703	1752	72	229	38	SW-NE
Aug 9 Fri	paz	1707	1711	58	141	356	SE-N
Aug 9 Fri	ajisai	1715	1721	30	254	193	W -S
Aug 9 Fri	hy2c	1723	1728	32	360	76	N -E
Aug 9 Fri	tandemx	1734	1738	59	186	338	S -N
Aug 9 Fri	terrasarx	1734	1738	59	186	338	S -N
Aug 9 Fri	sentinel6a	1739	1748	44	343	96	N -E
Aug 9 Fri	hy2b	1756	1802	49	205	325	SW-NW
Aug 9 Fri	saral	1759	1804	49	44	164	NE-S
Aug 9 Fri	swot	1805	1811	39	146	42	SE-NE
Aug 9 Fri	hy2d	1827	1834	47	265	27	W -NE
Aug 9 Fri	jason3	1831	1841	65	330	122	NW-SE
Aug 9 Fri	lageos1	1839	1917	58	86	319	E -NW
Aug 9 Fri	hy2c	1909	1917	80	320	145	NW-SE
Aug 9 Fri	sentinel6a	1934	1945	70	315	159	NW-S
Aug 9 Fri	swot	1950	1955	41	256	353	W -N
Aug 9 Fri	stella	2020	2026	59	186	331	S -NW
Aug 9 Fri	jason3	2028	2036	40	290	193	W -S
Aug 9 Fri	sentinel3b	2046	2052	55	135	359	SE-N
Aug 9 Fri	lares2	2114	2200	54	308	89	NW-E
Aug 9 Fri	sentinel3a	2124	2131	75	174	341	S -N
Aug 9 Fri	icesat2	2147	2151	50	27	161	NE-S
Aug 9 Fri	gracefo1	2151	2154	48	130	20	SE-N
Aug 9 Fri	lageos1	2207	2250	72	162	327	S -NW
Aug 9 Fri	cryosat2	2220	2225	78	13	179	N -S
Aug 9 Fri	sentinel3b	2229	2230	25	272	289	W -W
Aug 9 Fri	swarmc	2230	2232	32	105	39	E -NE
Aug 9 Fri	swarma	2230	2232	29	108	47	E -NE
Aug 9 Fri	starlette	2242	2248	37	186	90	S -E
Aug 9 Fri	hy2d	2354	0000	43	348	97	N -E
Aug 10 Sat	starlette	0030	0037	74	245	86	SW-E
Aug 10 Sat	lares2	0116	0203	74	328	176	NW-S
Aug 10 Sat	larets	0131	0135	37	109	14	E -N
Aug 10 Sat	hy2d	0141	0148	54	301	171	NW-S
Aug 10 Sat	lageos2	0200	0245	56	186	62	S -NE
Aug 10 Sat	swarmb	0209	0210	27	79	106	E -E
Aug 10 Sat	starlette	0218	0227	79	272	105	W -E
Aug 10 Sat	larets	0309	0312	30	239	306	SW-NW
Aug 10 Sat	swarmb	0344	0345	27	274	248	W -W
Aug 10 Sat	starlette	0408	0415	46	263	149	W -SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 10 Sat	lares	0427	0439	70	193 37 S	-NE
Aug 10 Sat	swot	0444	0451	84	345 160 N	-S
Aug 10 Sat	saral	0521	0527	71	181 339 S	-N
Aug 10 Sat	lageos2	0558	0650	86	260 86 W	-E
Aug 10 Sat	paz	0606	0610	41	45 164 NE	-S
Aug 10 Sat	lares	0627	0636	42	272 18 W	-N
Aug 10 Sat	hy2b	0629	0637	65	26 184 NE	-S
Aug 10 Sat	terrasarx	0633	0637	74	17 192 N	-S
Aug 10 Sat	tandemx	0633	0637	74	17 192 N	-S
Aug 10 Sat	stella	0830	0834	33	59 139 NE	-SE
Aug 10 Sat	cryosat2	0933	0938	46	137 16 SE	-N
Aug 10 Sat	beaconc	0944	0949	34	202 125 S	-SE
Aug 10 Sat	icesat2	1001	1005	61	204 347 SW	-N
Aug 10 Sat	lageos2	1005	1053	70	296 151 NW	-SE
Aug 10 Sat	stella	1009	1015	41	349 233 N	-SW
Aug 10 Sat	sentinel6a	1012	1021	44	166 54 S	-NE
Aug 10 Sat	ajisai	1015	1026	54	209 80 SW	-E

Aug 10 Sat	lageos1	1018	1056	49	40	165	NE-S
Aug 10 Sat	hy2c	1027	1033	44	168	59	S -NE
Aug 10 Sat	sentinel3b	1035	1042	82	19	194	N -S
Aug 10 Sat	jason3	1103	1114	76	204	42	SW-NE
Aug 10 Sat	sentinel3a	1114	1119	50	347	229	N -SW
Aug 10 Sat	beaconc	1136	1142	34	229	144	SW-SE
Aug 10 Sat	sentinel6a	1207	1217	61	246	32	SW-NE
Aug 10 Sat	hy2c	1214	1221	50	262	28	W -NE
Aug 10 Sat	ajisai	1215	1228	84	257	86	W -E
Aug 10 Sat	lares	1228	1239	61	340	126	N -SE
Aug 10 Sat	jason3	1301	1309	42	280	24	W -NE
Aug 10 Sat	lageos1	1351	1433	71	34	247	NE-SW
Aug 10 Sat	sentinel6a	1407	1413	31	318	25	NW-NE
Aug 10 Sat	ajisai	1417	1429	76	278	116	W -SE
Aug 10 Sat	lares	1426	1435	43	305	199	NW-S
Aug 10 Sat	larets	1459	1504	42	46	160	NE-S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 10 Sat	lares2	1531	1619	84	196 33 S -NE	RS
Aug 10 Sat	sentinel6a	1605	1611	30	342 49 N -NE	
Aug 10 Sat	ajisai	1620	1629	41	266 167 W -S	
Aug 10 Sat	hy2b	1635	1641	48	119 2 SE-N	
Aug 10 Sat	paz	1650	1653	40	114 15 SE-N	
Aug 10 Sat	hy2d	1657	1705	73	205 44 SW-NE	
Aug 10 Sat	jason3	1658	1706	37	344 80 N -E	
Aug 10 Sat	terrasarx	1717	1721	74	155 350 SE-N	
Aug 10 Sat	tandemx	1717	1721	74	154 350 SE-N	
Aug 10 Sat	lageos1	1720	1756	52	63 308 NE-NW	
Aug 10 Sat	hy2c	1741	1747	41	349 94 N -E	
Aug 10 Sat	sentinel6a	1801	1811	57	333 113 NW-SE	
Aug 10 Sat	swot	1806	1812	46	149 35 SE-NE	
Aug 10 Sat	hy2b	1819	1824	35	232 315 SW-NW	
Aug 10 Sat	hy2d	1846	1852	35	287 20 W -N	
Aug 10 Sat	jason3	1853	1904	85	322 143 NW-SE	
Aug 10 Sat	saral	1907	1912	49	347 228 N -SW	
Aug 10 Sat	hy2c	1928	1935	58	304 168 NW-S	
Aug 10 Sat	lares2	1937	2022	52	285 62 W -NE	
Aug 10 Sat	swot	1951	1956	35	267 353 W -N	
Aug 10 Sat	stella	1954	2000	77	159 346 S -N	
Aug 10 Sat	sentinel6a	1957	2007	48	304 180 NW-S	
Aug 10 Sat	sentinel3b	2021	2026	36	105 10 E -N	
Aug 10 Sat	lageos1	2045	2128	84	132 328 SE-NW	
Aug 10 Sat	jason3	2052	2055	26	268 235 W -SW	
Aug 10 Sat	sentinel3a	2058	2105	70	149 351 SE-N	
Aug 10 Sat	icesat2	2122	2124	27	72 127 E -SE	
Aug 10 Sat	gracefol	2125	2126	27	74 48 E -NE	
Aug 10 Sat	cryosat2	2130	2134	30	53 132 NE-SE	
Aug 10 Sat	sentinel3b	2201	2206	39	222 323 SW-NW	

Aug 10 Sat	hy2d	2227	2228	25	24	39	NE-NE
Aug 10 Sat	gracefol	2259	2300	25	280	307	W -NW
Aug 10 Sat	starlette	2300	2307	51	215	87	SW-E
Aug 10 Sat	cryosat2	2309	2313	37	320	230	NW-SW
Aug 10 Sat	swarma	2333	2336	39	232	335	SW-NW
Aug 10 Sat	swarmc	2333	2336	35	243	334	SW-NW
Aug 10 Sat	lares2	2343	0032	80	326	144	NW-SE
Aug 11 Sun	hy2d	0012	0019	61	335	119	NW-SE
Aug 11 Sun	lageos2	0018	0046	33	140	71	SE-E
Aug 11 Sun	lageos1	0030	0058	34	228	313	SW-NW
Aug 11 Sun	starlette	0049	0057	82	259	90	W -E
Aug 11 Sun	hy2d	0200	0205	34	281	200	W -S
Aug 11 Sun	larets	0207	0212	76	153	349	SE-N
Aug 11 Sun	starlette	0238	0246	69	271	118	W -SE
Aug 11 Sun	swarmb	0324	0327	37	313	222	NW-SW
Aug 11 Sun	lares	0325	0334	40	151	51	SE-NE
Aug 11 Sun	lares2	0344	0412	35	316	242	NW-SW

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 11 Sun	lageos2	0403	0454	82	230 69	SW-E
Aug 11 Sun	starlette	0428	0433	34	247 173	SW-S
Aug 11 Sun	swot	0444	0452	75	339 168	N -S
Aug 11 Sun	saral	0449	0455	64	144 354	SE-N
Aug 11 Sun	lares	0521	0532	64	235 25	SW-NE
Aug 11 Sun	terrasarx	0616	0620	50	39 173	NE-S
Aug 11 Sun	tandemx	0616	0620	50	39 173	NE-S
Aug 11 Sun	hy2b	0651	0659	81	15 200	N -S
Aug 11 Sun	lageos2	0809	0900	87	286 119	W -SE
Aug 11 Sun	beaconc	0900	0904	31	192 130	S -SE
Aug 11 Sun	ajisai	0921	0931	42	194 86	S -E
Aug 11 Sun	jason3	0933	0939	31	137 68	SE-E
Aug 11 Sun	icesat2	0934	0938	69	161 4	S -N
Aug 11 Sun	stella	0943	0949	67	0 211	N -SW
Aug 11 Sun	sentinel3b	1009	1015	53	34 168	NE-S
Aug 11 Sun	gracefol	1017	1021	48	337 205	NW-SW
Aug 11 Sun	cryosat2	1021	1027	61	194 345	S -N
Aug 11 Sun	sentinel6a	1034	1044	64	191 46	S -NE
Aug 11 Sun	hy2c	1044	1052	69	201 45	S -NE
Aug 11 Sun	sentinel3a	1048	1054	77	8 204	N -SW
Aug 11 Sun	swarmc	1051	1054	49	323 206	NW-SW
Aug 11 Sun	swarma	1051	1055	56	335 195	NW-S
Aug 11 Sun	beaconc	1052	1058	35	223 136	SW-SE
Aug 11 Sun	ajisai	1121	1133	77	246 83	SW-E
Aug 11 Sun	lares	1124	1133	40	350 93	N -E
Aug 11 Sun	jason3	1126	1136	77	228 36	SW-NE
Aug 11 Sun	lageos2	1216	1251	40	293 200	NW-S
Aug 11 Sun	lageos1	1228	1312	87	32 219	NE-SW
Aug 11 Sun	sentinel6a	1230	1240	47	265 30	W -NE
Aug 11 Sun	hy2c	1233	1239	37	284 21	W -N
Aug 11 Sun	lares	1321	1333	73	323 162	NW-S
Aug 11 Sun	ajisai	1323	1335	82	274 104	W -E
Aug 11 Sun	jason3	1325	1332	35	302 24	NW-NE
Aug 11 Sun	lares2	1403	1446	59	162 33	S -NE
Aug 11 Sun	ajisai	1525	1536	53	275 147	W -SE
Aug 11 Sun	larets	1535	1541	72	16 195	N -S
Aug 11 Sun	swarmb	1541	1545	37	228 340	SW-N

OBSERVING SCHEDULE (Times are in U.T.)							
Date	Satellite	Start	End	Elev	Direction	Observer	
Aug 11 Sun	lageos1	1600	1637	53	48 289 NE-W	TS	
Aug 11 Sun	sentinel6a	1628	1635	34	344 67 N -NE		
Aug 11 Sun	hy2b	1656	1704	65	145 350 SE-N		
Aug 11 Sun	terrasarx	1700	1703	50	121 7 SE-N		
Aug 11 Sun	tandemx	1700	1703	50	120 7 SE-N		
Aug 11 Sun	hy2d	1716	1723	76	231 34 SW-NE		
Aug 11 Sun	jason3	1720	1730	46	336 99 NW-E		
Aug 11 Sun	lares2	1759	1846	60	254 44 W -NE		
Aug 11 Sun	hy2c	1759	1806	58	337 116 NW-SE		
Aug 11 Sun	swot	1806	1813	54	164 30 S -NE		
Aug 11 Sun	sentinel6a	1824	1834	75	327 132 NW-SE		
Aug 11 Sun	saral	1835	1841	77	13 199 N -S		
Aug 11 Sun	jason3	1916	1926	66	313 164 NW-S		
Aug 11 Sun	lageos1	1924	2005	66	104 324 E -NW		
Aug 11 Sun	stella	1927	1933	54	134 360 SE-N		
Aug 11 Sun	hy2c	1947	1952	37	283 198 W -S		
Aug 11 Sun	swot	1952	1956	31	277 344 W -N		
Aug 11 Sun	sentinel6a	2021	2027	33	284 213 W -SW		
Aug 11 Sun	sentinel3a	2033	2038	44	119 8 SE-N		
Aug 11 Sun	stella	2109	2111	26	251 288 W -W		
Aug 11 Sun	starlette	2133	2136	27	154 107 SE-E		
Aug 11 Sun	sentinel3b	2134	2140	62	185 334 S -NW		
Aug 11 Sun	lares2	2210	2257	62	319 112 NW-E		
Aug 11 Sun	sentinel3a	2214	2218	32	241 314 SW-NW		
Aug 11 Sun	cryosat2	2218	2224	83	9 184 N -S		
Aug 11 Sun	icesat2	2229	2232	42	329 223 NW-SW		
Aug 11 Sun	gracefo1	2230	2234	41	219 341 SW-N		
Aug 11 Sun	hy2d	2244	2248	31	2 65 N -NE		
Aug 11 Sun	lageos1	2258	2338	56	185 324 S -NW		
Aug 11 Sun	swarma	2302	2306	63	188 360 S -N		
Aug 11 Sun	swarmc	2302	2306	66	199 357 S -N		
Aug 11 Sun	starlette	2319	2327	65	234 83 SW-E		
Aug 12 Mon	hy2d	0030	0038	79	322 142 NW-SE		
Aug 12 Mon	starlette	0108	0116	80	267 97 W -E		
Aug 12 Mon	lares2	0209	0252	56	326 201 NW-S		
Aug 12 Mon	lageos2	0212	0259	62	195 62 S -NE		
Aug 12 Mon	larets	0243	0248	50	197 327 S -NW		
Aug 12 Mon	starlette	0257	0305	57	270 133 W -SE		
Aug 12 Mon	swot	0303	0304	25	50 66 NE-NE		
Aug 12 Mon	swarmb	0305	0309	51	330 200 NW-S		

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 12 Mon	lares	0417	0428	79	200 35 S -NE	MW
Aug 12 Mon	saral	0419	0423	37	99 13 E -N	
Aug 12 Mon	swot	0445	0452	70	333 177 NW-S	
Aug 12 Mon	saral	0558	0603	36	223 320 SW-NW	
Aug 12 Mon	tandemx	0559	0602	34	59 148 NE-SE	
Aug 12 Mon	terrasarx	0559	0602	34	59 148 NE-SE	
Aug 12 Mon	lageos2	0613	0705	86	266 92 W -E	
Aug 12 Mon	lares	0617	0626	38	279 19 W -N	
Aug 12 Mon	paz	0706	0709	41	327 231 NW-SW	
Aug 12 Mon	hy2b	0714	0721	62	0 217 N -SW	
Aug 12 Mon	ajisai	0829	0836	31	166 95 S -E	
Aug 12 Mon	icesat2	0909	0912	36	107 19 E -N	
Aug 12 Mon	stella	0916	0922	72	23 189 NE-S	
Aug 12 Mon	cryosat2	0931	0937	50	141 8 SE-N	
Aug 12 Mon	sentinel3b	0944	0948	33	58 137 NE-SE	
Aug 12 Mon	gracefol	0950	0954	71	4 179 N -S	
Aug 12 Mon	jason3	0953	1003	47	174 52 S -NE	
Aug 12 Mon	beaconc	1008	1013	36	216 136 SW-SE	
Aug 12 Mon	lageos2	1019	1106	64	297 160 NW-S	
Aug 12 Mon	swarma	1020	1024	62	10 167 N -S	
Aug 12 Mon	swarmc	1020	1024	65	5 174 N -S	
Aug 12 Mon	sentinel3a	1022	1028	65	30 182 NE-S	
Aug 12 Mon	ajisai	1027	1039	68	232 80 SW-E	
Aug 12 Mon	sentinel6a	1056	1107	85	216 39 SW-NE	
Aug 12 Mon	hy2c	1103	1111	80	226 37 SW-NE	
Aug 12 Mon	lageos1	1106	1148	64	35 189 NE-S	
Aug 12 Mon	sentinel3b	1124	1129	42	338 233 N -SW	
Aug 12 Mon	jason3	1149	1159	59	250 32 W -NE	
Aug 12 Mon	lares	1217	1228	67	335 130 NW-SE	
Aug 12 Mon	ajisai	1229	1241	82	268 95 W -E	
Aug 12 Mon	lares2	1242	1313	37	121 38 SE-NE	
Aug 12 Mon	sentinel6a	1254	1302	38	287 24 W -NE	
Aug 12 Mon	jason3	1349	1355	30	320 27 NW-NE	
Aug 12 Mon	lares	1416	1424	38	299 208 NW-SW	
Aug 12 Mon	ajisai	1431	1442	64	277 132 W -SE	
Aug 12 Mon	lageos1	1439	1519	61	37 264 NE-W	
Aug 12 Mon	swarmb	1522	1526	53	209 348 SW-N	
Aug 12 Mon	jason3	1547	1553	30	344 52 N -NE	
Aug 12 Mon	hy2d	1548	1554	41	164 60 S -NE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 12 Mon	laretst	1612	1617	45	343 226 N -SW	VS
Aug 12 Mon	lares2	1624	1712	78	221 35 SW-NE	
Aug 12 Mon	terrasarx	1643	1646	33	98 15 E -N	
Aug 12 Mon	tandemx	1643	1646	33	97 15 E -N	
Aug 12 Mon	sentinel6a	1651	1659	41	344 86 N -E	
Aug 12 Mon	hy2b	1718	1726	78	164 343 S -N	
Aug 12 Mon	hy2d	1734	1742	52	251 29 W -NE	
Aug 12 Mon	jason3	1743	1753	60	333 117 NW-SE	
Aug 12 Mon	paz	1749	1753	41	208 327 SW-NW	
Aug 12 Mon	saral	1804	1810	54	40 174 NE-S	
Aug 12 Mon	swot	1806	1813	62	177 28 S -NE	

Aug 12 Mon	lageos1	1806	1843	55	78	316	E -NW
Aug 12 Mon	hy2c	1817	1825	78	324	138	NW-SE
Aug 12 Mon	sentinel6a	1846	1857	78	318	153	NW-SE
Aug 12 Mon	stella	1902	1906	34	96	15	E -N
Aug 12 Mon	jason3	1939	1948	46	301	187	NW-S
Aug 12 Mon	lares2	2034	2119	52	303	80	NW-E
Aug 12 Mon	stella	2041	2046	41	213	320	SW-NW
Aug 12 Mon	sentinel3b	2108	2114	79	157	348	SE-N
Aug 12 Mon	cryosat2	2128	2132	32	51	134	NE-SE
Aug 12 Mon	lageos1	2133	2216	80	152	328	SE-NW
Aug 12 Mon	sentinel3a	2147	2152	50	204	325	SW-NW
Aug 12 Mon	starlette	2150	2156	39	196	93	S -E
Aug 12 Mon	icesat2	2203	2207	82	359	189	N -S
Aug 12 Mon	gracefo1	2203	2207	77	185	358	S -N
Aug 12 Mon	swarmc	2231	2235	52	156	15	SE-N
Aug 12 Mon	swarma	2232	2235	48	132	21	SE-N
Aug 12 Mon	hy2d	2302	2308	39	351	92	N -E
Aug 12 Mon	cryosat2	2307	2311	35	319	233	NW-SW
Aug 12 Mon	starlette	2338	2346	74	249	86	W -E
Aug 13 Tue	lageos2	0027	0102	38	154	66	SE-NE
Aug 13 Tue	lares2	0037	0125	81	328	168	NW-S
Aug 13 Tue	hy2d	0049	0056	62	306	164	NW-S
Aug 13 Tue	starlette	0127	0135	73	272	108	W -E
Aug 13 Tue	larets	0142	0147	46	127	4	SE-N
Aug 13 Tue	swarmb	0246	0250	66	350	186	N -S
Aug 13 Tue	swot	0303	0306	28	39	88	NE-E
Aug 13 Tue	lares	0314	0323	45	161	51	S -NE
Aug 13 Tue	starlette	0316	0323	43	266	155	W -SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 13 Tue	lageos2	0417	0508	86	238 73 SW-E	CP
Aug 13 Tue	swot	0446	0453	60	325 183 NW-S	
Aug 13 Tue	lares	0511	0522	59	243 25 SW-NE	
Aug 13 Tue	saral	0526	0532	65	186 337 S -NW	
Aug 13 Tue	hy2b	0553	0559	37	51 151 NE-SE	
Aug 13 Tue	paz	0648	0652	60	359 210 N -SW	
Aug 13 Tue	tandemx	0716	0719	33	319 237 NW-SW	
Aug 13 Tue	terrasarx	0716	0719	33	319 238 NW-SW	
Aug 13 Tue	hy2b	0736	0742	45	350 238 N -SW	
Aug 13 Tue	lageos2	0823	0914	84	289 126 W -SE	
Aug 13 Tue	stella	0850	0855	48	47 164 NE-S	
Aug 13 Tue	beaconc	0923	0929	35	220 129 SW-SE	
Aug 13 Tue	gracefo1	0923	0926	44	42 149 NE-SE	
Aug 13 Tue	sentinel6a	0924	0932	39	160 63 S -NE	
Aug 13 Tue	ajisai	0934	0945	56	213 80 SW-E	
Aug 13 Tue	hy2c	0935	0941	38	161 62 S -NE	
Aug 13 Tue	lageos1	0945	1019	41	44 152 NE-SE	
Aug 13 Tue	swarmc	0950	0953	38	53 145 NE-SE	
Aug 13 Tue	swarma	0950	0953	34	49 137 NE-SE	
Aug 13 Tue	sentinel3a	0956	1001	41	47 154 NE-SE	
Aug 13 Tue	jason3	1015	1026	68	197 44 S -NE	
Aug 13 Tue	icesat2	1017	1019	32	258 318 W -NW	
Aug 13 Tue	cryosat2	1020	1025	57	208 343 SW-N	
Aug 13 Tue	stella	1030	1034	30	328 255 NW-W	

Aug 13	Tue	sentinel3b	1057	1104	67	5	210	N	-SW
Aug 13	Tue	lares	1113	1123	43	345	100	N	-E
Aug 13	Tue	sentinel6a	1119	1129	67	239	33	SW-NE	
Aug 13	Tue	hy2c	1121	1129	55	248	30	W	-NE
Aug 13	Tue	ajisai	1135	1147	83	259	88	W	-E
Aug 13	Tue	sentinel3a	1136	1141	35	337	245	NW-SW	
Aug 13	Tue	jason3	1212	1222	45	268	30	W	-NE
Aug 13	Tue	lageos2	1231	1301	35	289	213	W	-SW
Aug 13	Tue	lares	1311	1322	67	319	169	NW-S	
Aug 13	Tue	lageos1	1317	1359	77	33	238	NE-SW	
Aug 13	Tue	sentinel6a	1318	1325	32	307	25	NW-NE	
Aug 13	Tue	ajisai	1337	1349	75	277	117	W	-SE
Aug 13	Tue	lares2	1452	1540	77	188	32	S	-NE
Aug 13	Tue	swarmb	1503	1507	73	187	358	S	-N
Aug 13	Tue	larets	1511	1516	52	43	172	NE-S	
Aug 13	Tue	ajisai	1539	1548	39	266	170	W	-S
Aug 13	Tue	hy2d	1605	1613	64	197	47	S	-NE
Aug 13	Tue	jason3	1610	1617	35	346	70	N	-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer	
Aug 13	Tue	lageos1	1647	1723	51	57 302 NE-NW	RS
Aug 13	Tue	hy2c	1649	1655	38	352 90 N -E	
Aug 13	Tue	sentinel6a	1713	1723	52	335 108 NW-E	
Aug 13	Tue	paz	1732	1736	67	187 340 S -N	
Aug 13	Tue	saral	1733	1737	30	65 139 NE-SE	
Aug 13	Tue	hy2b	1741	1748	62	189 334 S -NW	
Aug 13	Tue	hy2d	1754	1800	39	283 22 W -N	
Aug 13	Tue	terrasarx	1800	1803	33	244 322 SW-NW	
Aug 13	Tue	tandemx	1800	1803	33	244 322 SW-NW	
Aug 13	Tue	jason3	1805	1816	80	324 136 NW-SE	
Aug 13	Tue	swot	1807	1814	75	184 23 S -NE	
Aug 13	Tue	hy2c	1836	1843	66	309 161 NW-S	
Aug 13	Tue	lares2	1856	1942	53	276 56 W -NE	
Aug 13	Tue	sentinel6a	1909	1919	55	307 174 NW-S	
Aug 13	Tue	saral	1912	1917	45	344 232 N -SW	
Aug 13	Tue	jason3	2003	2009	30	280 213 W -SW	
Aug 13	Tue	lageos1	2011	2053	77	122 327 SE-NW	
Aug 13	Tue	stella	2014	2020	64	182 336 S -NW	
Aug 13	Tue	sentinel3b	2043	2048	52	123 2 SE-N	
Aug 13	Tue	sentinel3a	2120	2127	80	170 342 S -N	
Aug 13	Tue	gracefo1	2136	2139	51	134 17 SE-N	
Aug 13	Tue	icesat2	2136	2140	50	27 162 NE-S	
Aug 13	Tue	swarmc	2202	2204	28	85 35 E -NE	
Aug 13	Tue	starlette	2209	2216	52	215 85 SW-E	
Aug 13	Tue	cryosat2	2216	2222	84	5 187 N -S	
Aug 13	Tue	sentinel3b	2224	2227	27	249 302 W -NW	
Aug 13	Tue	lares2	2304	2353	75	324 136 NW-SE	
Aug 13	Tue	hy2d	2320	2327	55	339 113 N -SE	
Aug 13	Tue	swarma	2336	2337	25	269 298 W -NW	
Aug 13	Tue	lageos1	2351	0025	41	210 318 SW-NW	
Aug 13	Tue	starlette	2357	0005	77	261 91 W -E	
Aug 14	Wed	hy2d	0107	0114	40	296 186 NW-S	
Aug 14	Wed	starlette	0146	0154	66	273 121 W -SE	
Aug 14	Wed	larets	0218	0224	71	168 344 S -N	
Aug 14	Wed	lageos2	0224	0313	67	205 63 SW-NE	
Aug 14	Wed	swarmb	0227	0231	63	9 170 N -S	

Aug 14	Wed	swot	0303	0308	32	26	108	NE-E
Aug 14	Wed	lares2	0304	0337	40	320	230	NW-SW
Aug 14	Wed	starlette	0336	0341	31	252	180	W -S
Aug 14	Wed	lares	0406	0418	81	208	33	SW-NE
Aug 14	Wed	swot	0447	0453	50	316	193	NW-S
Aug 14	Wed	saral	0454	0500	70	150	352	SE-N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer	
Aug 14	Wed	lares	0607	0615	36	286 15 W -N	TS
Aug 14	Wed	hy2b	0615	0622	54	39 172 NE-S	
Aug 14	Wed	lageos2	0627	0719	86	272 98 W -E	
Aug 14	Wed	paz	0631	0635	68	19 191 N -S	
Aug 14	Wed	tandemx	0658	0702	48	349 220 N -SW	
Aug 14	Wed	terrasarx	0658	0702	48	350 220 N -SW	
Aug 14	Wed	hy2b	0759	0804	33	330 251 NW-W	
Aug 14	Wed	stella	0824	0827	30	70 128 E -SE	
Aug 14	Wed	beaconc	0839	0844	34	212 132 SW-SE	
Aug 14	Wed	ajisai	0840	0850	44	197 86 S -E	
Aug 14	Wed	cryosat2	0929	0935	54	145 6 SE-N	
Aug 14	Wed	sentinel6a	0946	0956	57	183 48 S -NE	
Aug 14	Wed	icesat2	0950	0953	61	207 342 SW-N	
Aug 14	Wed	hy2c	0953	1000	60	187 48 S -NE	
Aug 14	Wed	stella	1003	1008	47	347 232 N -SW	
Aug 14	Wed	lares	1010	1016	30	360 64 N -NE	
Aug 14	Wed	sentinel3b	1031	1038	78	20 190 N -S	
Aug 14	Wed	beaconc	1032	1037	31	224 152 SW-SE	
Aug 14	Wed	lageos2	1033	1118	58	297 169 NW-S	
Aug 14	Wed	jason3	1038	1048	81	220 38 SW-NE	
Aug 14	Wed	ajisai	1040	1053	79	248 83 W -E	
Aug 14	Wed	swarmc	1053	1056	30	309 225 NW-SW	
Aug 14	Wed	swarma	1053	1056	34	318 225 NW-SW	
Aug 14	Wed	sentinel3a	1110	1116	53	352 221 N -SW	
Aug 14	Wed	hy2c	1141	1147	41	281 22 W -N	
Aug 14	Wed	sentinel6a	1142	1152	51	260 31 W -NE	
Aug 14	Wed	lageos1	1154	1238	80	33 209 NE-SW	
Aug 14	Wed	lares	1207	1218	74	334 137 NW-SE	
Aug 14	Wed	jason3	1236	1244	37	290 25 W -NE	
Aug 14	Wed	ajisai	1242	1254	82	275 106 W -E	
Aug 14	Wed	lares2	1326	1407	53	153 34 SE-NE	
Aug 14	Wed	lares	1406	1413	33	292 216 W -SW	
Aug 14	Wed	swarmb	1444	1448	68	166 10 S -N	
Aug 14	Wed	ajisai	1444	1455	50	275 151 W -SE	
Aug 14	Wed	lageos1	1527	1604	55	43 281 NE-W	
Aug 14	Wed	sentinel6a	1540	1547	32	345 64 N -NE	
Aug 14	Wed	larets	1547	1552	74	6 206 N -SW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 14 Wed	hy2b	1620	1626	40	112 9 E -N	MW
Aug 14 Wed	hy2d	1624	1631	85	222 37 SW-NE	
Aug 14 Wed	jason3	1632	1641	43	338 90 N -E	
Aug 14 Wed	hy2c	1707	1714	52	340 110 N -E	
Aug 14 Wed	paz	1714	1719	75	156 350 SE-N	
Aug 14 Wed	lares2	1719	1807	64	245 42 SW-NE	
Aug 14 Wed	sentinel6a	1736	1746	69	330 126 NW-SE	
Aug 14 Wed	tandemx	1742	1746	53	203 335 SW-NW	
Aug 14 Wed	terrasarx	1742	1746	53	203 334 SW-NW	
Aug 14 Wed	hy2b	1803	1810	44	207 326 SW-NW	
Aug 14 Wed	swot	1808	1815	79	194 19 S -N	
Aug 14 Wed	hy2d	1813	1818	30	301 15 NW-N	
Aug 14 Wed	jason3	1828	1839	74	316 156 NW-SE	
Aug 14 Wed	saral	1840	1846	74	10 204 N -SW	
Aug 14 Wed	lageos1	1852	1931	61	94 322 E -NW	
Aug 14 Wed	hy2c	1854	1901	43	298 183 NW-S	
Aug 14 Wed	sentinel6a	1932	1940	37	295 200 NW-S	
Aug 14 Wed	stella	1947	1954	76	153 348 SE-N	
Aug 14 Wed	sentinel3b	2018	2022	34	90 13 E -N	
Aug 14 Wed	starlette	2041	2045	28	164 102 S -E	
Aug 14 Wed	sentinel3a	2055	2101	64	140 353 SE-N	
Aug 14 Wed	gracefo1	2109	2111	28	103 45 E -NE	
Aug 14 Wed	icesat2	2111	2113	27	77 130 E -SE	
Aug 14 Wed	cryosat2	2126	2130	35	48 137 NE-SE	
Aug 14 Wed	lares2	2130	2217	58	315 103 NW-E	
Aug 14 Wed	hy2d	2152	2156	28	3 63 N -NE	
Aug 14 Wed	sentinel3b	2157	2202	43	216 323 SW-NW	
Aug 14 Wed	lageos1	2222	2304	64	173 326 S -NW	
Aug 14 Wed	starlette	2228	2235	66	234 85 SW-E	
Aug 14 Wed	swarma	2304	2308	46	215 346 SW-N	
Aug 14 Wed	swarmc	2304	2307	40	226 334 SW-NW	
Aug 14 Wed	cryosat2	2305	2309	32	318 236 NW-SW	
Aug 14 Wed	hy2d	2338	2346	73	326 135 NW-SE	
Aug 15 Thu	starlette	0017	0024	81	268 99 W -E	
Aug 15 Thu	lageos2	0038	0116	44	164 64 S -NE	
Aug 15 Thu	larets	0119	0122	30	81 19 E -N	
Aug 15 Thu	hy2d	0128	0129	25	252 237 W -SW	
Aug 15 Thu	lares2	0130	0215	63	327 192 NW-S	
Aug 15 Thu	starlette	0206	0213	54	265 137 W -SE	
Aug 15 Thu	swarmb	0208	0212	48	23 154 NE-SE	
Aug 15 Thu	larets	0255	0300	40	213 324 SW-NW	VS
Aug 15 Thu	lares	0303	0313	51	170 46 S -NE	
Aug 15 Thu	swot	0303	0309	37	14 116 N -SE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 15 Thu	saral	0423	0428	40	118 11 SE-N	VS
Aug 15 Thu	lageos2	0431	0522	89	245 76 SW-E	
Aug 15 Thu	swot	0447	0453	43	317 205 NW-SW	
Aug 15 Thu	lares	0501	0511	53	251 22 W -N	
Aug 15 Thu	saral	0603	0607	33	226 307 SW-NW	

Aug 15 Thu	paz	0614	0618	52	48	174	NE-S
Aug 15 Thu	hy2b	0637	0644	76	25	188	NE-S
Aug 15 Thu	terrasarx	0641	0645	66	7	200	N -S
Aug 15 Thu	tandemx	0641	0645	67	6	200	N -S
Aug 15 Thu	ajisai	0748	0755	33	169	95	S -E
Aug 15 Thu	beaconc	0755	0800	32	204	126	SW-SE
Aug 15 Thu	lageos2	0837	0928	80	292	134	W -SE
Aug 15 Thu	jason3	0906	0914	41	161	60	S -NE
Aug 15 Thu	icesat2	0923	0927	64	159	3	S -N
Aug 15 Thu	stella	0936	0942	72	9	207	N -SW
Aug 15 Thu	ajisai	0946	0958	70	235	81	SW-E
Aug 15 Thu	beaconc	0948	0953	33	218	143	SW-SE
Aug 15 Thu	gracefo1	1002	1006	43	332	207	NW-SW
Aug 15 Thu	sentinel3b	1006	1011	49	44	163	NE-S
Aug 15 Thu	sentinel6a	1008	1019	79	208	41	SW-NE
Aug 15 Thu	hy2c	1011	1019	88	217	39	SW-NE
Aug 15 Thu	cryosat2	1018	1023	53	212	340	SW-N
Aug 15 Thu	swarma	1022	1026	66	348	189	N -S
Aug 15 Thu	swarmc	1022	1026	55	339	194	N -S
Aug 15 Thu	lageos1	1032	1112	56	37	177	NE-S
Aug 15 Thu	sentinel3a	1044	1050	75	12	201	N -S
Aug 15 Thu	jason3	1101	1111	65	244	33	SW-NE
Aug 15 Thu	lares	1103	1113	47	346	107	N -E
Aug 15 Thu	sentinel3b	1146	1150	30	330	258	NW-W
Aug 15 Thu	ajisai	1148	1200	82	269	96	W -E
Aug 15 Thu	hy2c	1200	1205	31	299	15	NW-N
Aug 15 Thu	sentinel6a	1206	1214	40	284	25	W -NE
Aug 15 Thu	lares2	1208	1232	32	107	44	E -NE
Aug 15 Thu	jason3	1300	1307	31	309	27	NW-NE
Aug 15 Thu	lares	1301	1311	60	314	177	NW-S
Aug 15 Thu	ajisai	1350	1402	62	277	133	W -SE
Aug 15 Thu	lageos1	1405	1446	66	35	256	NE-W
Aug 15 Thu	swarmb	1426	1429	48	131	23	SE-NE
Aug 15 Thu	larets	1447	1450	32	72	139	E -SE
Aug 15 Thu	hy2d	1456	1502	35	157	63	SE-NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 15 Thu	lares2	1545	1633	83	212 34	SW-NE TS
Aug 15 Thu	sentinel6a	1603	1611	39	346 83	N -E
Aug 15 Thu	larets	1624	1628	37	329 239	NW-SW
Aug 15 Thu	hy2d	1642	1650	58	245 31	SW-NE
Aug 15 Thu	hy2b	1642	1649	54	128 356	SE-N
Aug 15 Thu	jason3	1655	1705	55	335 111	NW-E
Aug 15 Thu	paz	1657	1701	47	131 4	SE-N
Aug 15 Thu	tandemx	1724	1729	84	169 345	S -N
Aug 15 Thu	terrasarx	1724	1729	84	169 345	S -N
Aug 15 Thu	hy2c	1725	1733	70	328 131	NW-SE
Aug 15 Thu	lageos1	1733	1810	53	70 312	E -NW
Aug 15 Thu	sentinel6a	1758	1809	86	320 146	NW-SE
Aug 15 Thu	swot	1808	1815	78	204 15	SW-N
Aug 15 Thu	saral	1809	1815	59	36 178	NE-S
Aug 15 Thu	hy2b	1826	1831	31	231 309	SW-NW
Aug 15 Thu	jason3	1851	1901	52	304 176	NW-S
Aug 15 Thu	stella	1921	1927	47	124 360	SE-N
Aug 15 Thu	lares2	1954	2039	52	297 73	NW-E

Aug 15 Thu	sentinel3a	2029	2035	41	118	3	SE-N
Aug 15 Thu	lageos1	2058	2142	87	142	328	SE-NW
Aug 15 Thu	starlette	2059	2105	41	194	89	S -E
Aug 15 Thu	stella	2102	2105	29	240	298	SW-NW
Aug 15 Thu	sentinel3b	2130	2137	68	180	338	S -N
Aug 15 Thu	sentinel3a	2210	2214	34	235	313	SW-NW
Aug 15 Thu	hy2d	2210	2216	36	354	88	N -E
Aug 15 Thu	cryosat2	2214	2220	80	1	190	N -S
Aug 15 Thu	gracefol	2215	2219	39	224	341	SW-N
Aug 15 Thu	icesat2	2218	2221	43	321	219	NW-SW
Aug 15 Thu	swarma	2233	2237	78	176	6	S -N
Aug 15 Thu	swarmc	2233	2237	67	184	1	S -N
Aug 15 Thu	starlette	2247	2254	77	251	87	W -E
Aug 15 Thu	hy2d	2357	0004	71	311	157	NW-SE
Aug 15 Thu	lares2	2358	0046	87	327	159	NW-S
Aug 16 Fri	starlette	0036	0044	76	271	109	W -E
Aug 16 Fri	lageos1	0050	0108	28	248	300	W -NW

Aug 16 Fri	swarmb	0150	0153	35	58	140	NE-SE
Aug 16 Fri	larets	0154	0159	59	135	356	SE-N
Aug 16 Fri	lares	0202	0207	28	123	71	SE-E
Aug 16 Fri	starlette	0225	0232	41	261	154	W -SE
Aug 16 Fri	lageos2	0237	0327	73	213	64	SW-NE
Aug 16 Fri	swot	0304	0310	43	15	125	N -SE
Aug 16 Fri	saral	0354	0355	25	64	45	NE-NE
Aug 16 Fri	lares	0356	0407	84	215	31	SW-NE
Aug 16 Fri	lares2	0403	0415	26	303	272	NW-W
Aug 16 Fri	swot	0448	0454	36	309	209	NW-SW
Aug 16 Fri	saral	0531	0537	59	192	335	S -NW
Aug 16 Fri	lares	0557	0604	33	293	10	NW-N
Aug 16 Fri	paz	0557	0600	33	72	153	E -SE
Aug 16 Fri	tandemx	0624	0628	65	35	183	NE-S
Aug 16 Fri	terrasarx	0624	0628	65	34	183	NE-S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 16 Fri	lageos2	0641	0733	87	277 104 W -E	CP
Aug 16 Fri	hy2b	0659	0706	78	11 206 N -SW	
Aug 16 Fri	beaconc	0711	0715	30	194 132 S -SE	
Aug 16 Fri	sentinel6a	0837	0844	34	146 65 SE-NE	
Aug 16 Fri	hy2c	0844	0849	33	143 65 SE-NE	
Aug 16 Fri	ajisai	0853	0904	59	217 80 SW-E	
Aug 16 Fri	icesat2	0857	0900	35	124 28 SE-NE	
Aug 16 Fri	beaconc	0903	0909	34	225 135 SW-SE	
Aug 16 Fri	stella	0909	0916	68	25 184 NE-S	
Aug 16 Fri	lageos1	0912	0941	35	49 137 NE-SE	
Aug 16 Fri	jason3	0927	0938	61	190 46 S -NE	
Aug 16 Fri	cryosat2	0927	0933	58	149 5 SE-N	
Aug 16 Fri	gracefol	0935	0939	78	360 182 N -S	
Aug 16 Fri	sentinel3b	0941	0944	31	73 132 E -SE	
Aug 16 Fri	swarmc	0951	0955	60	12 165 N -S	
Aug 16 Fri	swarma	0952	0955	55	31 156 NE-SE	
Aug 16 Fri	lares	0959	1006	32	354 70 N -E	
Aug 16 Fri	sentinel3a	1018	1024	59	32 178 NE-S	
Aug 16 Fri	hy2c	1029	1037	61	241 32 SW-NE	
Aug 16 Fri	sentinel6a	1031	1041	74	232 35 SW-NE	
Aug 16 Fri	lageos2	1047	1130	52	297 178 NW-S	
Aug 16 Fri	ajisai	1054	1106	82	261 89 W -E	
Aug 16 Fri	sentinel3b	1120	1125	46	343 232 N -SW	
Aug 16 Fri	jason3	1124	1134	49	264 31 W -NE	
Aug 16 Fri	lares	1156	1208	79	330 144 NW-SE	
Aug 16 Fri	sentinel6a	1230	1237	34	305 26 NW-NE	
Aug 16 Fri	lageos1	1242	1326	83	33 228 NE-SW	
Aug 16 Fri	ajisai	1256	1308	73	277 120 W -SE	
Aug 16 Fri	swarmb	1407	1410	33	119 34 SE-NE	
Aug 16 Fri	lares2	1415	1501	71	178 32 S -NE	
Aug 16 Fri	ajisai	1458	1507	37	266 173 W -S	

Aug 16 Fri	hy2d	1514	1521	55	182	50	S -NE
Aug 16 Fri	larets	1522	1528	63	27	183	NE-S
Aug 16 Fri	jason3	1522	1529	33	347	67	N -NE
Aug 16 Fri	hy2c	1557	1602	35	354	77	N -E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Aug 16 Fri	lageos1	1614	1650	52	51 296	NE-NW	RS
Aug 16 Fri	sentinel6a	1625	1635	48	337 103	NW-E	
Aug 16 Fri	paz	1641	1643	31	82 24	E -NE	
Aug 16 Fri	hy2d	1701	1708	43	268 24	W -NE	
Aug 16 Fri	hy2b	1704	1711	75	149 348	SE-N	
Aug 16 Fri	terrasarx	1707	1711	58	143 358	SE-N	
Aug 16 Fri	tandemx	1707	1711	58	143 358	SE-N	
Aug 16 Fri	jason3	1717	1728	73	326 130	NW-SE	
Aug 16 Fri	saral	1738	1742	32	62 142	NE-SE	
Aug 16 Fri	hy2c	1744	1751	76	314 153	NW-SE	
Aug 16 Fri	swot	1809	1816	69	215 11	SW-N	
Aug 16 Fri	lares2	1816	1902	55	269 51	W -NE	
Aug 16 Fri	sentinel6a	1821	1831	62	310 167	NW-S	
Aug 16 Fri	stella	1856	1859	31	84 25	E -NE	
Aug 16 Fri	jason3	1914	1922	35	292 201	W -S	
Aug 16 Fri	saral	1917	1922	42	342 236	N -SW	
Aug 16 Fri	lageos1	1938	2019	71	113 326	SE-NW	
Aug 16 Fri	stella	2034	2040	46	201 327	S -NW	
Aug 16 Fri	sentinel3b	2104	2111	76	154 349	SE-N	
Aug 16 Fri	starlette	2117	2124	55	223 87	SW-E	
Aug 16 Fri	cryosat2	2124	2128	38	46 139	NE-SE	
Aug 16 Fri	sentinel3a	2143	2149	53	198 332	S -NW	
Aug 16 Fri	gracefo1	2148	2152	77	193 356	S -N	
Aug 16 Fri	icesat2	2151	2155	68	1 190	N -S	
Aug 16 Fri	swarmc	2203	2206	45	128 22	SE-N	
Aug 16 Fri	swarma	2203	2206	39	130 30	SE-NE	
Aug 16 Fri	lares2	2225	2313	70	323 127	NW-SE	
Aug 16 Fri	hy2d	2228	2235	49	342 107	N -E	
Aug 16 Fri	cryosat2	2303	2307	30	316 239	NW-SW	
Aug 16 Fri	starlette	2306	2314	81	262 92	W -E	
Aug 16 Fri	lageos1	2314	2352	48	197 322	S -NW	
Aug 17 Sat	hy2d	0015	0022	46	299 180	NW-S	
Aug 17 Sat	lageos2	0049	0131	50	175 62	S -NE	
Aug 17 Sat	starlette	0055	0103	64	271 123	W -SE	
Aug 17 Sat	swarmb	0132	0133	25	89 113	E -SE	
Aug 17 Sat	lares2	0224	0301	45	323 220	NW-SW	
Aug 17 Sat	larets	0230	0235	67	183 336	S -NW	
Aug 17 Sat	starlette	0245	0249	29	245 187	SW-S	
Aug 17 Sat	lares	0252	0303	58	179 42	S -NE	
Aug 17 Sat	swot	0304	0311	50	3 134	N -SE	
Aug 17 Sat	swarmb	0306	0308	27	293 240	NW-SW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 17 Sat	lageos2	0445	0537	88	253 81 W -E	
Aug 17 Sat	swot	0449	0454	31	301 220 NW-SW	
Aug 17 Sat	lares	0451	0501	49	259 22 W -N	
Aug 17 Sat	saral	0459	0505	76	155 349 SE-N	
Aug 17 Sat	hy2b	0539	0543	30	65 130 NE-SE	
Aug 17 Sat	tandemx	0607	0610	41	63 160 NE-S	
Aug 17 Sat	terrasarx	0607	0610	42	63 160 NE-S	
Aug 17 Sat	paz	0713	0716	34	332 243 NW-SW	
Aug 17 Sat	hy2b	0721	0728	57	359 223 N -SW	
Aug 17 Sat	ajisai	0759	0809	47	201 86 S -E	
Aug 17 Sat	beaconc	0819	0824	34	218 136 SW-SE	
Aug 17 Sat	stella	0843	0849	41	45 162 NE-S	
Aug 17 Sat	lageos2	0851	0941	75	294 142 NW-SE	
Aug 17 Sat	sentinel6a	0858	0908	50	176 50 S -NE	
Aug 17 Sat	hy2c	0901	0908	52	178 51 S -NE	
Aug 17 Sat	gracefo1	0908	0911	47	45 154 NE-SE	
Aug 17 Sat	swarmc	0921	0924	32	52 136 NE-SE	
Aug 17 Sat	jason3	0950	1000	80	212 40 SW-NE	
Aug 17 Sat	sentinel3a	0952	0957	38	46 149 NE-SE	
Aug 17 Sat	ajisai	1000	1012	80	250 83 W -E	
Aug 17 Sat	icesat2	1005	1008	32	242 326 SW-NW	
Aug 17 Sat	cryosat2	1016	1021	49	216 338 SW-N	
Aug 17 Sat	stella	1023	1028	34	339 246 N -SW	
Aug 17 Sat	hy2c	1048	1055	45	265 24 W -NE	
Aug 17 Sat	lares	1052	1103	52	341 114 N -SE	
Aug 17 Sat	sentinel3b	1053	1100	71	8 208 N -SW	
Aug 17 Sat	sentinel6a	1054	1104	56	254 32 W -NE	
Aug 17 Sat	lageos1	1120	1203	72	34 199 NE-S	
Aug 17 Sat	sentinel3a	1132	1137	37	342 244 N -SW	
Aug 17 Sat	jason3	1148	1156	39	287 26 W -NE	
Aug 17 Sat	ajisai	1201	1214	81	276 108 W -E	
Aug 17 Sat	lares2	1250	1328	47	142 35 SE-NE	
Aug 17 Sat	lares	1250	1301	54	313 182 NW-S	
Aug 17 Sat	sentinel6a	1254	1259	30	323 20 NW-N	
Aug 17 Sat	ajisai	1404	1414	48	270 154 W -SE	
Aug 17 Sat	sentinel6a	1452	1458	31	346 54 N -NE	
Aug 17 Sat	lageos1	1453	1531	58	40 274 NE-W	
Aug 17 Sat	hy2d	1532	1539	84	212 41 SW-NE	
Aug 17 Sat	jason3	1544	1553	40	339 86 N -E	
Aug 17 Sat	larets	1559	1604	59	353 215 N -SW	
Aug 17 Sat	hy2c	1615	1622	46	343 104 N -E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer

Aug 17 Sat	lares2	1639	1727	68	236	38	SW-NE	MW
Aug 17 Sat	sentinel6a	1648	1658	63	333	120	NW-SE	
Aug 17 Sat	tandemx	1650	1654	38	118	7	SE-N	
Aug 17 Sat	terrasarx	1650	1654	37	119	7	SE-N	
Aug 17 Sat	hy2d	1721	1726	32	299	17	NW-N	
Aug 17 Sat	hy2b	1726	1733	78	172	340	S -N	
Aug 17 Sat	jason3	1740	1751	82	319	149	NW-SE	
Aug 17 Sat	paz	1757	1800	36	230	318	SW-NW	
Aug 17 Sat	hy2c	1802	1809	50	302	176	NW-S	
Aug 17 Sat	swot	1810	1817	58	227	9	SW-N	
Aug 17 Sat	lageos1	1819	1857	58	86	319	E -NW	
Aug 17 Sat	sentinel6a	1844	1853	43	298	189	NW-S	
Aug 17 Sat	saral	1845	1851	69	7	208	N -SW	
Aug 17 Sat	starlette	1950	1953	30	160	107	S -E	
Aug 17 Sat	stella	2007	2014	76	173	340	S -N	
Aug 17 Sat	sentinel3b	2039	2045	49	122	359	SE-N	
Aug 17 Sat	lares2	2051	2137	56	312	95	NW-E	
Aug 17 Sat	hy2d	2100	2103	27	5	49	N -NE	
Aug 17 Sat	sentinel3a	2117	2123	79	167	343	S -N	
Aug 17 Sat	gracefol	2120	2124	54	153	14	SE-N	
Aug 17 Sat	icesat2	2125	2128	50	37	158	NE-S	
Aug 17 Sat	starlette	2136	2144	67	240	84	SW-E	
Aug 17 Sat	lageos1	2147	2230	72	162	327	S -NW	
Aug 17 Sat	cryosat2	2212	2218	75	357	194	N -S	
Aug 17 Sat	sentinel3b	2220	2223	29	244	300	SW-NW	
Aug 17 Sat	hy2d	2246	2254	67	330	128	NW-SE	
Aug 17 Sat	swarma	2307	2309	29	261	321	W -NW	
Aug 17 Sat	swarmc	2307	2308	26	273	303	W -NW	
Aug 17 Sat	lageos2	2312	2329	27	120	79	SE-E	
Aug 17 Sat	starlette	2325	2333	77	270	101	W -E	
Aug 18 Sun	hy2d	0035	0039	29	268	208	W -SW	
Aug 18 Sun	lares2	0051	0137	69	328	183	NW-S	
Aug 18 Sun	starlette	0114	0121	51	269	143	W -SE	
Aug 18 Sun	larets	0130	0134	36	100	10	E -N	
Aug 18 Sun	lares	0151	0157	31	131	65	SE-NE	
Aug 18 Sun	swarmb	0246	0250	38	326	215	NW-SW	
Aug 18 Sun	lageos2	0250	0341	78	222	67	SW-NE	
Aug 18 Sun	swot	0305	0312	57	1	142	N -SE	
Aug 18 Sun	larets	0307	0311	32	227	312	SW-NW	
Aug 18 Sun	lares	0345	0357	76	221	29	SW-NE	
Aug 18 Sun	saral	0428	0434	44	122	1	SE-N	
Aug 18 Sun	lares	0547	0554	31	299	12	NW-N	
Aug 18 Sun	hy2b	0600	0607	43	44	161	NE-S	
Aug 18 Sun	saral	0609	0612	30	245	304	SW-NW	

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 18 Sun	lageos2	0655	0747	88	282 111 W -E	
Aug 18 Sun	paz	0656	0659	52	339 221 N -SW	
Aug 18 Sun	ajisai	0707	0715	35	172 89 S -E	
Aug 18 Sun	beaconc	0735	0740	34	210 130 SW-SE	
Aug 18 Sun	hy2b	0743	0749	41	350 245 N -SW	
Aug 18 Sun	jason3	0819	0826	36	146 63 SE-NE	
Aug 18 Sun	ajisai	0906	0917	72	236 81 SW-E	
Aug 18 Sun	hy2c	0919	0926	79	207 42 SW-NE	
Aug 18 Sun	sentinel6a	0920	0931	72	200 43 S -NE	
Aug 18 Sun	cryosat2	0925	0931	62	154 3 SE-N	
Aug 18 Sun	icesat2	0938	0942	57	200 346 S -N	
Aug 18 Sun	lares	0949	0957	35	357 83 N -E	

Aug 18 Sun	stella	0956	1002	53	357 224 N -SW
Aug 18 Sun	lageos1	0958	1036	49	40 165 NE-S
Aug 18 Sun	jason3	1012	1023	71	233 35 SW-NE
Aug 18 Sun	swarma	1024	1028	40	328 207 NW-SW
Aug 18 Sun	swarmc	1024	1027	37	316 220 NW-SW
Aug 18 Sun	sentinel3b	1028	1034	72	26 187 NE-S
Aug 18 Sun	lageos2	1101	1141	47	296 189 NW-S
Aug 18 Sun	sentinel3a	1106	1112	55	356 219 N -SW
Aug 18 Sun	ajisai	1107	1119	84	270 98 W -E
Aug 18 Sun	hy2c	1108	1113	34	297 17 NW-N
Aug 18 Sun	sentinel6a	1117	1126	44	272 26 W -NE
Aug 18 Sun	lares	1146	1157	87	328 150 NW-SE
Aug 18 Sun	jason3	1212	1218	33	308 20 NW-N
Aug 18 Sun	ajisai	1309	1321	60	277 136 W -SE
Aug 18 Sun	lageos1	1331	1413	71	34 247 NE-SW
Aug 18 Sun	hy2d	1405	1409	31	139 76 SE-E
Aug 18 Sun	larets	1458	1502	39	53 153 NE-SE
Aug 18 Sun	swarmb	1504	1507	41	237 335 SW-NW
Aug 18 Sun	lares2	1506	1554	88	203 33 SW-NE
Aug 18 Sun	sentinel6a	1515	1522	36	347 73 N -E
Aug 18 Sun	hy2d	1550	1558	65	238 33 SW-NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 18 Sun	hy2b	1606	1611	32	97 17 E -N	VS
Aug 18 Sun	jason3	1607	1616	51	337 102 NW-E	
Aug 18 Sun	swot	1628	1632	31	117 51 SE-NE	
Aug 18 Sun	hy2c	1633	1641	63	331 125 NW-SE	
Aug 18 Sun	larets	1636	1639	30	317 254 NW-W	
Aug 18 Sun	lageos1	1700	1736	52	64 308 NE-NW	
Aug 18 Sun	sentinel6a	1710	1721	85	323 139 NW-SE	
Aug 18 Sun	paz	1739	1743	52	194 333 S -NW	
Aug 18 Sun	hy2b	1748	1755	56	193 330 S -NW	
Aug 18 Sun	jason3	1803	1813	58	307 170 NW-S	
Aug 18 Sun	swot	1811	1817	50	239 3 SW-N	
Aug 18 Sun	saral	1814	1820	64	32 182 NE-S	
Aug 18 Sun	hy2c	1821	1826	32	283 206 W -SW	
Aug 18 Sun	lares2	1914	1959	52	291 67 W -NE	
Aug 18 Sun	stella	1941	1947	64	144 352 SE-N	
Aug 18 Sun	starlette	2007	2013	43	204 93 SW-E	
Aug 18 Sun	sentinel3b	2014	2018	31	92 17 E -N	
Aug 18 Sun	lageos1	2025	2108	84	132 328 SE-NW	
Aug 18 Sun	sentinel3a	2051	2057	58	138 355 SE-N	
Aug 18 Sun	gracefo1	2054	2056	29	97 38 E -NE	
Aug 18 Sun	icesat2	2059	2101	27	68 125 E -SE	
Aug 18 Sun	hy2d	2118	2123	33	356 76 N -E	
Aug 18 Sun	cryosat2	2122	2127	41	43 152 NE-SE	
Aug 18 Sun	sentinel3b	2153	2158	46	210 323 SW-NW	
Aug 18 Sun	starlette	2155	2203	73	254 87 W -E	

Aug 18 Sun	swarma	2235	2239	57	203	351	SW-N
Aug 18 Sun	swarmc	2235	2239	49	216	350	SW-N
Aug 18 Sun	cryosat2	2301	2304	28	315	255	NW-W
Aug 18 Sun	hy2d	2304	2312	80	318	149	NW-SE
Aug 18 Sun	lares2	2319	0008	85	327	151	NW-SE
Aug 18 Sun	starlette	2344	2352	71	273	112	W -E
Aug 19 Mon	lageos1	0010	0038	34	228	313	SW-NW
Aug 19 Mon	lageos2	0100	0145	56	186	62	S -NE
Aug 19 Mon	starlette	0134	0140	38	255	160	W -S
Aug 19 Mon	larets	0205	0211	67	152	350	SE-N
Aug 19 Mon	swarmb	0227	0231	54	339	201	N -S
Aug 19 Mon	lares	0242	0253	64	185	39	S -NE
Aug 19 Mon	swot	0305	0312	66	352	147	N -SE
Aug 19 Mon	lares2	0320	0343	31	314	254	NW-W
Aug 19 Mon	saral	0359	0401	27	64	28	NE-NE

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 19 Mon	lares	0441	0450	45	267 18 W -N	RS
Aug 19 Mon	lageos2	0459	0551	86	259 86 W -E	
Aug 19 Mon	saral	0536	0542	53	197 332 S -NW	
Aug 19 Mon	hy2b	0622	0629	60	32 176 NE-S	
Aug 19 Mon	paz	0638	0642	74	10 199 N -S	
Aug 19 Mon	beaconc	0651	0656	33	201 124 S -SE	
Aug 19 Mon	tandemx	0706	0709	42	334 233 NW-SW	
Aug 19 Mon	terrasarx	0706	0709	41	335 234 NW-SW	
Aug 19 Mon	hy2b	0806	0810	30	333 268 NW-W	
Aug 19 Mon	ajisai	0812	0823	61	220 81 SW-E	
Aug 19 Mon	jason3	0840	0849	54	178 52 S -NE	
Aug 19 Mon	beaconc	0844	0848	30	213 152 SW-SE	
Aug 19 Mon	lageos2	0905	0954	70	296 150 NW-SE	
Aug 19 Mon	icesat2	0911	0915	68	160 4 S -N	
Aug 19 Mon	stella	0929	0936	81	14 200 N -S	
Aug 19 Mon	hy2c	0937	0945	69	234 34 SW-NE	
Aug 19 Mon	sentinel6a	0942	0953	81	223 37 SW-NE	
Aug 19 Mon	gracefol	0947	0950	43	324 217 NW-SW	
Aug 19 Mon	swarma	0953	0957	77	357 180 N -S	
Aug 19 Mon	swarmc	0953	0957	65	349 185 N -S	
Aug 19 Mon	sentinel3b	1002	1008	45	44 166 NE-S	
Aug 19 Mon	ajisai	1013	1025	81	263 90 W -E	
Aug 19 Mon	cryosat2	1014	1019	45	219 336 SW-NW	
Aug 19 Mon	jason3	1036	1046	54	259 32 W -NE	
Aug 19 Mon	sentinel3a	1040	1046	77	15 198 N -S	
Aug 19 Mon	lares	1042	1053	57	341 120 N -SE	
Aug 19 Mon	sentinel6a	1141	1149	36	294 26 NW-NE	
Aug 19 Mon	sentinel3b	1142	1146	32	335 258 NW-W	
Aug 19 Mon	lageos1	1208	1252	87	32 219 NE-SW	
Aug 19 Mon	ajisai	1215	1227	71	277 122 W -SE	
Aug 19 Mon	lares	1240	1250	47	308 190 NW-S	
Aug 19 Mon	lares2	1337	1422	64	170 32 S -NE	
Aug 19 Mon	ajisai	1418	1426	35	259 177 W -S	
Aug 19 Mon	hy2d	1422	1429	48	174 52 S -NE	
Aug 19 Mon	jason3	1434	1440	32	348 57 N -NE	
Aug 19 Mon	swarmb	1445	1449	59	217 352 SW-N	
Aug 19 Mon	hy2c	1505	1510	32	356 74 N -E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 19 Mon	larets	1534	1539	83	19 192 N -S	TS
Aug 19 Mon	sentinel6a	1537	1546	45	338 93 N -E	
Aug 19 Mon	lageos1	1540	1617	53	48 289 NE-W	
Aug 19 Mon	hy2d	1609	1616	48	263 26 W -NE	
Aug 19 Mon	hy2b	1628	1634	44	109 2 E -N	
Aug 19 Mon	swot	1628	1633	36	131 44 SE-NE	
Aug 19 Mon	jason3	1629	1640	67	329 124 NW-SE	
Aug 19 Mon	hy2c	1651	1659	85	320 145 NW-SE	
Aug 19 Mon	paz	1722	1726	81	167 346 S -N	
Aug 19 Mon	sentinel6a	1733	1743	69	313 160 NW-S	
Aug 19 Mon	lares2	1735	1822	58	260 47 W -NE	
Aug 19 Mon	saral	1743	1747	36	60 145 NE-SE	
Aug 19 Mon	tandemx	1749	1753	44	203 325 SW-NW	
Aug 19 Mon	terrasarx	1749	1753	44	202 325 S -NW	
Aug 19 Mon	swot	1811	1818	44	240 2 SW-N	
Aug 19 Mon	hy2b	1811	1817	39	219 321 SW-NW	
Aug 19 Mon	jason3	1826	1834	40	295 196 NW-S	
Aug 19 Mon	lageos1	1904	1945	66	104 324 E -NW	
Aug 19 Mon	stella	1915	1920	43	113 6 SE-N	
Aug 19 Mon	saral	1922	1927	38	340 240 N -SW	
Aug 19 Mon	starlette	2026	2033	57	224 85 SW-E	
Aug 19 Mon	sentinel3a	2026	2031	39	105 6 E -N	
Aug 19 Mon	stella	2055	2059	33	228 307 SW-NW	
Aug 19 Mon	sentinel3b	2126	2133	73	175 340 S -N	
Aug 19 Mon	hy2d	2136	2143	44	346 102 N -E	
Aug 19 Mon	lares2	2146	2234	65	321 119 NW-SE	
Aug 19 Mon	gracefol	2200	2203	38	234 331 SW-NW	
Aug 19 Mon	swarmc	2204	2208	61	171 7 S -N	
Aug 19 Mon	swarma	2204	2208	65	165 13 S -N	
Aug 19 Mon	sentinel3a	2206	2210	35	230 313 SW-NW	
Aug 19 Mon	icesat2	2206	2209	43	326 220 NW-SW	
Aug 19 Mon	cryosat2	2210	2216	70	354 197 N -S	
Aug 19 Mon	starlette	2215	2222	80	263 94 W -E	
Aug 19 Mon	lageos1	2238	2318	56	185 324 S -NW	
Aug 19 Mon	lageos2	2319	2346	32	138 71 SE-E	
Aug 19 Mon	hy2d	2323	2330	54	303 173 NW-S	
Aug 20 Tue	starlette	0004	0011	61	268 127 W -SE	
Aug 20 Tue	lares	0140	0147	36	140 60 SE-NE	
Aug 20 Tue	lares2	0145	0225	51	325 209 NW-SW	
Aug 20 Tue	starlette	0154	0157	26	238 195 SW-S	
Aug 20 Tue	swarmb	0208	0212	77	354 185 N -S	
Aug 20 Tue	larets	0242	0247	53	200 331 S -NW	
Aug 20 Tue	lageos2	0304	0355	82	230 69 SW-E	
Aug 20 Tue	swot	0306	0313	79	348 156 N -SE	
Aug 20 Tue	lares	0335	0346	70	229 27 SW-NE	
Aug 20 Tue	saral	0504	0510	81	160 347 S -N	
Aug 20 Tue	beaconc	0607	0611	31	192 128 S -SE	
Aug 20 Tue	paz	0621	0625	59	34 180 NE-S	
Aug 20 Tue	hy2b	0644	0652	80	19 195 N -S	
Aug 20 Tue	tandemx	0648	0652	65	2 211 N -SW	

Aug 20 Tue terrasarx 0648 0653 65 2 207 N -SW

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 20 Tue	lageos2	0709	0801	87	286 118 W -SE	CP
Aug 20 Tue	ajisai	0718	0729	49	204 82 SW-E	
Aug 20 Tue	beaconc	0759	0804	32	221 144 SW-SE	
Aug 20 Tue	hy2c	0809	0816	45	171 54 S -NE	
Aug 20 Tue	sentinel6a	0810	0819	44	169 57 S -NE	
Aug 20 Tue	icesat2	0845	0848	34	125 30 SE-NE	
Aug 20 Tue	jason3	0902	0912	74	204 43 SW-NE	
Aug 20 Tue	stella	0903	0909	59	32 177 NE-S	
Aug 20 Tue	gracefo1	0919	0923	80	357 185 N -S	
Aug 20 Tue	ajisai	0919	0931	80	252 84 W -E	
Aug 20 Tue	swarmc	0922	0926	48	21 157 N -SE	
Aug 20 Tue	swarma	0923	0926	44	41 148 NE-SE	
Aug 20 Tue	cryosat2	0923	0929	66	158 1 S -N	
Aug 20 Tue	lares	0938	0947	37	350 89 N -E	
Aug 20 Tue	hy2c	0956	1003	50	260 26 W -NE	
Aug 20 Tue	sentinel6a	1005	1016	62	244 33 SW-NE	
Aug 20 Tue	sentinel3a	1014	1020	57	33 174 NE-S	
Aug 20 Tue	lageos1	1046	1128	64	35 189 NE-S	
Aug 20 Tue	jason3	1059	1108	42	276 27 W -NE	
Aug 20 Tue	sentinel3b	1116	1121	48	348 231 N -SW	
Aug 20 Tue	lageos2	1116	1152	41	293 199 NW-S	
Aug 20 Tue	ajisai	1121	1133	79	276 110 W -E	
Aug 20 Tue	lares	1135	1147	80	325 156 NW-SE	
Aug 20 Tue	sentinel6a	1205	1211	31	312 21 NW-N	
Aug 20 Tue	lares2	1214	1249	41	132 37 SE-NE	
Aug 20 Tue	ajisai	1323	1333	46	270 157 W -SE	
Aug 20 Tue	sentinel6a	1404	1410	30	346 53 N -NE	
Aug 20 Tue	lageos1	1419	1459	61	38 264 NE-W	
Aug 20 Tue	swarmb	1425	1430	85	184 1 S -N	
Aug 20 Tue	hy2d	1440	1447	74	202 44 S -NE	
Aug 20 Tue	jason3	1456	1504	37	340 76 N -E	
Aug 20 Tue	hy2c	1523	1529	42	346 92 N -E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 20 Tue	lares2	1559	1648	73	227 37 SW-NE	MW
Aug 20 Tue	sentinel6a	1600	1610	58	335 115 NW-SE	
Aug 20 Tue	larets	1610	1615	47	352 228 N -SW	
Aug 20 Tue	hy2d	1628	1634	35	284 18 W -N	
Aug 20 Tue	swot	1628	1634	42	146 38 SE-NE	
Aug 20 Tue	hy2b	1649	1656	61	137 355 SE-N	

Aug 20 Tue	jason3	1652	1703	86	322	143	NW-SE
Aug 20 Tue	paz	1704	1708	58	142	0	SE-N
Aug 20 Tue	hy2c	1710	1717	57	306	169	NW-S
Aug 20 Tue	terrasarx	1732	1736	61	182	340	S -N
Aug 20 Tue	tandemx	1732	1736	62	183	340	S -N
Aug 20 Tue	lageos1	1746	1823	55	78	316	E -NW
Aug 20 Tue	sentinel6a	1756	1805	49	301	182	NW-S
Aug 20 Tue	swot	1812	1818	38	250	354	W -N
Aug 20 Tue	saral	1850	1856	64	3	213	N -SW
Aug 20 Tue	starlette	1858	1902	31	172	102	S -E
Aug 20 Tue	hy2d	2009	2010	25	21	35	N -NE
Aug 20 Tue	lares2	2011	2056	54	307	86	NW-E
Aug 20 Tue	stella	2028	2034	53	200	332	S -NW
Aug 20 Tue	starlette	2045	2052	71	242	85	SW-E
Aug 20 Tue	sentinel3b	2101	2107	71	146	351	SE-N
Aug 20 Tue	lageos1	2113	2156	80	152	328	SE-NW
Aug 20 Tue	cryosat2	2120	2125	45	40	155	NE-SE
Aug 20 Tue	gracefo1	2132	2136	67	192	353	S -N
Aug 20 Tue	swarma	2134	2137	32	122	34	SE-NE
Aug 20 Tue	swarmc	2134	2137	36	115	26	SE-NE
Aug 20 Tue	icesat2	2139	2143	69	2	189	N -S
Aug 20 Tue	sentinel3a	2139	2145	56	192	333	S -NW
Aug 20 Tue	hy2d	2154	2202	60	334	122	NW-SE
Aug 20 Tue	starlette	2234	2241	80	270	103	W -E
Aug 20 Tue	cryosat2	2300	2302	26	295	257	NW-W
Aug 20 Tue	hy2d	2342	2347	34	284	203	W -SW
Aug 21 Wed	lares2	0012	0059	76	328	175	NW-S
Aug 21 Wed	starlette	0023	0030	48	264	143	W -SE
Aug 21 Wed	lageos2	0112	0159	61	195	62	S -NE
Aug 21 Wed	larets	0141	0146	45	120	2	SE-N
Aug 21 Wed	swarmb	0149	0153	68	9	167	N -S
Aug 21 Wed	lares	0231	0242	72	194	38	S -NE
Aug 21 Wed	swot	0307	0314	80	342	164	N -S
Aug 21 Wed	larets	0320	0322	25	259	299	W -NW
Aug 21 Wed	lares	0431	0440	41	275	19	W -N
Aug 21 Wed	saral	0433	0439	48	126	360	SE-N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 21 Wed	lageos2	0513	0605	85	266 91 W -E	VS
Aug 21 Wed	paz	0604	0607	40	61 157 NE-SE	
Aug 21 Wed	ajisai	0625	0634	37	183 89 S -E	
Aug 21 Wed	terrasarx	0631	0635	72	19 189 N -S	
Aug 21 Wed	tandemx	0631	0635	71	19 189 N -S	
Aug 21 Wed	hy2b	0706	0714	68	8 211 N -SW	
Aug 21 Wed	beaconc	0715	0720	33	214 136 SW-SE	
Aug 21 Wed	jason3	0731	0737	32	142 73 SE-E	
Aug 21 Wed	ajisai	0825	0837	74	239 81 SW-E	
Aug 21 Wed	hy2c	0827	0834	69	198 46 S -NE	
Aug 21 Wed	sentinel6a	0832	0842	64	193 47 S -NE	
Aug 21 Wed	stella	0837	0842	37	54 153 NE-SE	
Aug 21 Wed	gracefo1	0852	0856	47	26 160 NE-S	
Aug 21 Wed	lageos2	0919	1006	64	297 159 NW-S	
Aug 21 Wed	jason3	0924	0935	79	227 36 SW-NE	
Aug 21 Wed	lageos1	0925	0959	42	44 152 NE-SE	
Aug 21 Wed	sentinel3a	0949	0953	36	60 144 NE-SE	
Aug 21 Wed	icesat2	0953	0956	33	243 327 SW-NW	
Aug 21 Wed	cryosat2	1012	1017	42	223 334 SW-NW	

Aug 21	Wed	hy2c	1015	1021	37	281	19	W	-N
Aug 21	Wed	stella	1017	1022	38	335	238	NW	-SW
Aug 21	Wed	ajisai	1026	1039	85	272	100	W	-E
Aug 21	Wed	sentinel6a	1029	1038	47	268	27	W	-NE
Aug 21	Wed	lares	1031	1042	62	337	124	NW	-SE
Aug 21	Wed	sentinel3b	1050	1056	72	7	205	N	-SW
Aug 21	Wed	jason3	1123	1130	35	297	20	NW	-N
Aug 21	Wed	sentinel3a	1128	1133	39	346	244	N	-SW
Aug 21	Wed	ajisai	1228	1240	57	277	139	W	-SE
Aug 21	Wed	lares	1230	1239	42	302	198	NW	-S
Aug 21	Wed	lageos1	1257	1339	77	33	238	NE	-SW
Aug 21	Wed	swarmb	1407	1411	66	154	9	SE	-N
Aug 21	Wed	sentinel6a	1427	1434	34	348	70	N	-E
Aug 21	Wed	lares2	1427	1516	83	194	33	S	-NE
Aug 21	Wed	hy2d	1458	1506	74	230	35	SW	-NE
Aug 21	Wed	larets	1509	1514	49	37	166	NE	-S
Aug 21	Wed	jason3	1519	1528	47	339	97	N	-E
Aug 21	Wed	hy2c	1541	1549	57	335	119	NW	-SE

OBSERVING SCHEDULE (Times are in U.T.)									
Date	Satellite	Start	End	Elev	Direction	Observer			
Aug 21	Wed	sentinel6a	1622	1633	77	326 133	NW-SE	RS	
Aug 21	Wed	lageos1	1627	1703	51	57 302	NE-NW		
Aug 21	Wed	swot	1628	1635	50	160 32	S -NE		
Aug 21	Wed	paz	1647	1651	36	118 8	SE-N		
Aug 21	Wed	hy2b	1711	1718	82	157 346	SE-N		
Aug 21	Wed	jason3	1715	1725	66	311 163	NW-S		
Aug 21	Wed	tandemx	1715	1719	73	149 351	SE-N		
Aug 21	Wed	terrasarx	1715	1719	72	150 351	SE-N		
Aug 21	Wed	hy2c	1729	1735	37	286 191	W -S		
Aug 21	Wed	swot	1814	1818	33	274 344	W -N		
Aug 21	Wed	saral	1819	1825	70	28 186	NE-S		
Aug 21	Wed	sentinel6a	1819	1826	33	289 209	W -SW		
Aug 21	Wed	lares2	1833	1918	52	283 60	W -NE		
Aug 21	Wed	starlette	1916	1922	44	204 89	SW-E		
Aug 21	Wed	lageos1	1951	2033	77	123 327	SE-NW		
Aug 21	Wed	stella	2001	2007	74	166 343	S -N		
Aug 21	Wed	hy2d	2026	2031	31	358 73	N -E		
Aug 21	Wed	sentinel3b	2035	2041	45	122 1	SE-N		
Aug 21	Wed	starlette	2104	2111	79	256 89	W -E		
Aug 21	Wed	gracefol	2105	2109	57	151 10	SE-N		
Aug 21	Wed	sentinel3a	2113	2119	74	163 345	S -N		
Aug 21	Wed	icesat2	2113	2116	50	41 158	NE-S		
Aug 21	Wed	cryosat2	2208	2214	65	351 200	N -S		
Aug 21	Wed	hy2d	2212	2220	85	322 142	NW-SE		
Aug 21	Wed	sentinel3b	2216	2220	31	239 312	SW-NW		
Aug 21	Wed	swarma	2237	2240	36	232 330	SW-NW		
Aug 21	Wed	swarmc	2237	2240	32	247 333	SW-NW		
Aug 21	Wed	lares2	2240	2329	79	326 142	NW-SE		
Aug 21	Wed	starlette	2253	2300	71	272 116	W -SE		
Aug 21	Wed	lageos2	2328	0002	38	152 66	SE-NE		
Aug 21	Wed	lageos1	2331	0005	41	210 318	SW-NW		

Aug 22 Thu	starlette	0043	0048	35	247 167	SW-S
Aug 22 Thu	lares	0128	0137	40	157 54	SE-NE
Aug 22 Thu	swarmb	0130	0134	47	22 150	N -SE
Aug 22 Thu	larets	0217	0222	86	166 344	S -N
Aug 22 Thu	lares2	0240	0309	36	318 240	NW-SW
Aug 22 Thu	swot	0307	0314	75	336 173	NW-S
Aug 22 Thu	lageos2	0317	0409	86	237 73	SW-E
Aug 22 Thu	lares	0325	0336	64	237 26	SW-NE
Aug 22 Thu	saral	0403	0406	29	85 27	E -NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Aug 22 Thu	saral	0541	0547	49	201 330 S -NW	TS
Aug 22 Thu	hy2b	0546	0551	34	58 141 NE-SE	
Aug 22 Thu	tandemx	0614	0618	49	44 172 NE-S	
Aug 22 Thu	terrasarx	0614	0618	49	43 172 NE-S	
Aug 22 Thu	beaconc	0630	0635	34	221 138 SW-SE	
Aug 22 Thu	lageos2	0723	0814	84	289 126 W -SE	
Aug 22 Thu	hy2b	0728	0735	50	358 230 N -SW	
Aug 22 Thu	ajisai	0731	0742	63	224 81 SW-E	
Aug 22 Thu	jason3	0752	0801	47	171 55 S -NE	
Aug 22 Thu	hy2c	0845	0853	77	226 37 SW-NE	
Aug 22 Thu	sentinel6a	0854	0905	84	216 39 SW-NE	
Aug 22 Thu	cryosat2	0921	0927	70	163 359 S -N	
Aug 22 Thu	icesat2	0926	0930	61	201 347 S -N	
Aug 22 Thu	lares	0928	0937	40	352 95 N -E	
Aug 22 Thu	ajisai	0932	0944	84	264 91 W -E	
Aug 22 Thu	jason3	0947	0958	59	248 33 W -NE	
Aug 22 Thu	stella	0950	0956	60	357 216 N -SW	
Aug 22 Thu	swarma	0955	0959	50	332 198 NW-S	
Aug 22 Thu	swarmc	0955	0958	46	315 208 NW-SW	
Aug 22 Thu	sentinel3b	1024	1030	65	28 183 NE-S	
Aug 22 Thu	sentinel6a	1053	1101	38	291 27 W -NE	
Aug 22 Thu	sentinel3a	1102	1108	59	0 217 N -SW	
Aug 22 Thu	lares	1125	1136	74	322 164 NW-S	
Aug 22 Thu	lageos2	1131	1202	35	290 211 W -SW	
Aug 22 Thu	lageos1	1134	1218	80	33 209 NE-SW	
Aug 22 Thu	ajisai	1134	1146	68	278 125 W -SE	
Aug 22 Thu	jason3	1147	1153	30	315 23 NW-NE	
Aug 22 Thu	lares2	1300	1343	58	160 33 S -NE	
Aug 22 Thu	hy2d	1330	1336	41	166 62 S -NE	
Aug 22 Thu	ajisai	1337	1344	33	259 187 W -S	
Aug 22 Thu	jason3	1346	1352	30	348 56 N -NE	
Aug 22 Thu	swarmb	1348	1351	45	132 26 SE-NE	
Aug 22 Thu	sentinel6a	1449	1458	41	340 89 N -E	
Aug 22 Thu	lageos1	1507	1544	55	43 282 NE-W	
Aug 22 Thu	hy2d	1517	1524	53	257 28 W -NE	
Aug 22 Thu	jason3	1541	1552	60	331 118 NW-SE	
Aug 22 Thu	larets	1545	1551	74	10 203 N -SW	
Aug 22 Thu	hy2c	1559	1607	82	324 138 NW-SE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 22 Thu	swot	1629	1635	57	166 31 S -NE	MW
Aug 22 Thu	sentinel6a	1645	1655	76	317 153 NW-SE	
Aug 22 Thu	lares2	1655	1743	61	251 44 W -NE	
Aug 22 Thu	tandemx	1658	1701	47	113 7 SE-N	
Aug 22 Thu	terrasarx	1658	1701	47	113 7 SE-N	
Aug 22 Thu	hy2b	1733	1741	69	178 338 S -N	
Aug 22 Thu	jason3	1738	1747	45	298 184 NW-S	
Aug 22 Thu	saral	1748	1753	39	57 158 NE-S	
Aug 22 Thu	paz	1804	1807	30	232 312 SW-NW	
Aug 22 Thu	lageos1	1832	1911	62	94 322 E -NW	
Aug 22 Thu	saral	1927	1932	35	338 243 N -SW	
Aug 22 Thu	stella	1934	1941	60	140 353 SE-N	
Aug 22 Thu	starlette	1935	1941	58	224 87 SW-E	
Aug 22 Thu	sentinel3b	2010	2014	30	93 20 E -N	
Aug 22 Thu	gracefo1	2038	2041	32	114 30 SE-NE	
Aug 22 Thu	hy2d	2044	2050	40	348 90 N -E	
Aug 22 Thu	icesat2	2047	2049	26	75 128 E -SE	
Aug 22 Thu	sentinel3a	2047	2053	56	136 358 SE-N	
Aug 22 Thu	lares2	2106	2154	61	318 110 NW-E	
Aug 22 Thu	cryosat2	2118	2123	48	37 158 NE-S	
Aug 22 Thu	starlette	2123	2131	78	266 95 W -E	
Aug 22 Thu	sentinel3b	2149	2155	49	204 330 SW-NW	
Aug 22 Thu	lageos1	2202	2244	64	173 326 S -NW	
Aug 22 Thu	swarma	2206	2210	64	193 358 S -N	
Aug 22 Thu	swarmc	2206	2209	65	210 351 SW-N	
Aug 22 Thu	icesat2	2221	2222	25	291 263 W -W	
Aug 22 Thu	hy2d	2231	2238	62	308 165 NW-S	
Aug 22 Thu	cryosat2	2258	2259	25	295 276 NW-W	
Aug 22 Thu	starlette	2312	2319	58	271 132 W -SE	
Aug 23 Fri	lares2	0106	0149	58	326 199 NW-S	
Aug 23 Fri	swarmb	0112	0115	33	55 137 NE-SE	
Aug 23 Fri	larets	0117	0120	29	91 28 E -NE	
Aug 23 Fri	swot	0125	0128	27	38 85 NE-E	
Aug 23 Fri	lageos2	0125	0213	67	204 63 SW-NE	
Aug 23 Fri	lares	0220	0232	78	202 35 S -NE	
Aug 23 Fri	larets	0254	0258	41	218 320 SW-NW	
Aug 23 Fri	swot	0308	0315	65	329 180 NW-S	
Aug 23 Fri	lares	0421	0429	38	282 15 W -N	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer

Aug 23 Fri	saral	0509	0515	82	165	344	S -N	CP
Aug 23 Fri	lageos2	0527	0619	86	271	97	W -E	
Aug 23 Fri	beaconc	0546	0551	34	213	131	SW-SE	
Aug 23 Fri	tandemx	0557	0600	33	66	149	NE-SE	
Aug 23 Fri	terrasarx	0557	0600	33	65	149	NE-SE	
Aug 23 Fri	hy2b	0608	0614	47	47	163	NE-S	
Aug 23 Fri	ajisai	0637	0648	51	208	82	SW-E	
Aug 23 Fri	paz	0703	0706	44	334	230	NW-SW	
Aug 23 Fri	hy2c	0717	0723	39	164	64	S -NE	
Aug 23 Fri	sentinel6a	0723	0731	38	156	60	SE-NE	
Aug 23 Fri	hy2b	0751	0757	37	341	244	N -SW	
Aug 23 Fri	jason3	0814	0824	67	196	45	S -NE	
Aug 23 Fri	cryosat2	0832	0835	30	100	37	E -NE	
Aug 23 Fri	ajisai	0838	0850	79	255	85	W -E	
Aug 23 Fri	icesat2	0859	0903	61	157	3	SE-N	
Aug 23 Fri	hy2c	0904	0911	56	253	29	W -NE	
Aug 23 Fri	sentinel6a	0917	0928	68	237	34	SW-NE	
Aug 23 Fri	stella	0923	0929	80	18	194	N -S	
Aug 23 Fri	swarma	0924	0928	61	8	171	N -S	
Aug 23 Fri	swarmc	0924	0928	85	2	177	N -S	
Aug 23 Fri	gracefo1	0932	0935	39	308	214	NW-SW	
Aug 23 Fri	lageos2	0933	1019	59	297	168	NW-S	
Aug 23 Fri	sentinel3b	0958	1004	42	44	162	NE-S	
Aug 23 Fri	cryosat2	1010	1015	39	226	332	SW-NW	
Aug 23 Fri	jason3	1011	1020	46	272	28	W -NE	
Aug 23 Fri	lageos1	1012	1052	57	37	177	NE-S	
Aug 23 Fri	lares	1021	1032	69	336	131	NW-SE	
Aug 23 Fri	sentinel3a	1036	1042	82	18	194	N -S	
Aug 23 Fri	ajisai	1040	1052	77	276	112	W -E	
Aug 23 Fri	sentinel6a	1117	1123	32	311	21	NW-N	
Aug 23 Fri	sentinel3b	1138	1143	34	339	247	N -SW	
Aug 23 Fri	lares2	1139	1209	36	120	40	SE-NE	
Aug 23 Fri	lares	1220	1228	37	296	207	NW-SW	
Aug 23 Fri	ajisai	1242	1252	43	270	161	W -S	
Aug 23 Fri	swarmb	1329	1332	32	119	36	SE-NE	
Aug 23 Fri	lageos1	1345	1426	66	36	256	NE-W	
Aug 23 Fri	hy2d	1348	1355	65	193	47	S -NE	
Aug 23 Fri	jason3	1408	1416	35	341	73	N -E	
Aug 23 Fri	hy2c	1431	1437	38	349	88	N -E	
Aug 23 Fri	larets	1445	1449	30	62	143	NE-SE	
Aug 23 Fri	sentinel6a	1512	1521	53	338	105	N -E	

OBSERVING SCHEDULE (Times are in U.T.)							
Date	Satellite	Start	End	Elev	Direction	Observer	
Aug 23 Fri	lares2	1520	1609	79	218 35	SW-NE	VS
Aug 23 Fri	hy2d	1536	1542	38	280 20	W -N	
Aug 23 Fri	jason3	1604	1615	80	325 136	NW-SE	
Aug 23 Fri	hy2b	1613	1619	35	104 9	E -N	
Aug 23 Fri	hy2c	1618	1625	66	310 161	NW-S	
Aug 23 Fri	larets	1622	1627	39	341 234	N -SW	
Aug 23 Fri	swot	1629	1636	69	180 25	S -NE	
Aug 23 Fri	terrasarx	1641	1643	31	90 29	E -NE	
Aug 23 Fri	tandemx	1641	1643	31	89 29	E -NE	
Aug 23 Fri	sentinel6a	1708	1717	55	305 176	NW-S	
Aug 23 Fri	lageos1	1713	1750	53	70 312	E -NW	
Aug 23 Fri	paz	1746	1750	45	202 328	S -NW	
Aug 23 Fri	hy2b	1756	1802	49	205 325	SW-NW	

Aug 23 Fri	jason3	1802	1807	30	275	218	W	-SW
Aug 23 Fri	starlette	1806	1811	33	184	97	S	-E
Aug 23 Fri	saral	1855	1901	59	0	217	N	-SW
Aug 23 Fri	stella	1909	1914	37	101	5	E	-N
Aug 23 Fri	lares2	1931	2016	52	302	79	NW	-E
Aug 23 Fri	starlette	1954	2001	69	243	85	SW	-E
Aug 23 Fri	sentinel3a	2022	2027	37	105	9	E	-N
Aug 23 Fri	lageos1	2038	2122	87	142	328	SE	-NW
Aug 23 Fri	stella	2048	2053	37	216	316	SW	-NW
Aug 23 Fri	hy2d	2102	2109	54	337	112	NW	-E
Aug 23 Fri	sentinel3b	2123	2129	76	174	341	S	-N
Aug 23 Fri	swarma	2135	2139	48	151	17	SE	-N
Aug 23 Fri	swarmc	2135	2138	60	151	16	SE	-N
Aug 23 Fri	starlette	2143	2150	74	269	105	W	-E
Aug 23 Fri	gracefo1	2145	2148	35	250	335	W	-NW
Aug 23 Fri	icesat2	2153	2157	43	339	215	N	-SW
Aug 23 Fri	sentinel3a	2202	2207	38	224	323	SW	-NW
Aug 23 Fri	cryosat2	2206	2211	60	348	208	N	-SW
Aug 23 Fri	hy2d	2250	2256	40	287	188	W	-S
Aug 23 Fri	starlette	2332	2338	44	259	149	W	-SE
Aug 23 Fri	lares2	2333	0021	82	328	166	NW	-S
Aug 23 Fri	lageos2	2338	0017	44	165	63	S	-NE
Aug 24 Sat	lageos1	0031	0048	28	251	300	W	-NW
Aug 24 Sat	lares	0118	0127	46	159	49	S	-NE
Aug 24 Sat	swot	0125	0129	30	26	94	NE	-E
Aug 24 Sat	larets	0152	0158	54	138	356	SE	-N
Aug 24 Sat	swarmb	0228	0230	28	294	239	NW	-SW
Aug 24 Sat	swot	0309	0315	54	320	190	NW	-S
Aug 24 Sat	lares	0315	0326	57	245	26	SW	-NE
Aug 24 Sat	lageos2	0331	0423	88	245	76	SW	-E
Aug 24 Sat	saral	0438	0444	52	131	358	SE	-N
Aug 24 Sat	beaconc	0502	0507	33	204	126	SW	-SE
Aug 24 Sat	ajisai	0544	0553	40	187	89	S	-E
Aug 24 Sat	hy2b	0629	0637	65	26	184	NE	-S
Aug 24 Sat	paz	0645	0649	66	2	207	N	-SW
Aug 24 Sat	beaconc	0655	0659	30	216	153	SW	-SE
Aug 24 Sat	terrasarx	0714	0717	34	312	233	NW	-SW
Aug 24 Sat	tandemx	0714	0717	34	311	232	NW	-SW

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction		Observer	
Aug 24 Sat	hy2c	0735	0742	60	189	49	S -NE	
Aug 24 Sat	lageos2	0737	0828	80	292	134	W -SE	
Aug 24 Sat	sentinel6a	0744	0754	57	185	50	S -NE	
Aug 24 Sat	ajisai	0744	0756	75	242	81	SW-E	
Aug 24 Sat	icesat2	0833	0836	35	115	24	SE-NE	
Aug 24 Sat	jason3	0836	0847	86	220	38	SW-NE	
Aug 24 Sat	lageos1	0852	0921	35	49	137	NE-SE	
Aug 24 Sat	swarmc	0853	0856	41	39	143	NE-SE	
Aug 24 Sat	swarma	0854	0856	34	61	130	NE-SE	
Aug 24 Sat	stella	0857	0903	53	41	173	NE-S	
Aug 24 Sat	gracefo1	0904	0908	68	352	187	N -S	
Aug 24 Sat	lares	0917	0927	44	347	102	N -E	
Aug 24 Sat	cryosat2	0919	0925	73	168	358	S -N	
Aug 24 Sat	hy2c	0923	0929	40	278	21	W -N	
Aug 24 Sat	sentinel6a	0941	0950	52	263	28	W -NE	
Aug 24 Sat	ajisai	0946	0958	84	272	101	W -E	
Aug 24 Sat	sentinel3a	1010	1016	54	34	170	NE-S	
Aug 24 Sat	jason3	1035	1043	37	295	28	NW-NE	
Aug 24 Sat	sentinel3b	1112	1118	51	352	223	N -SW	
Aug 24 Sat	lares	1115	1126	66	318	169	NW-S	
Aug 24 Sat	lageos2	1147	1210	30	284	227	W -SW	
Aug 24 Sat	ajisai	1148	1159	55	273	142	W -SE	
Aug 24 Sat	lageos1	1223	1306	83	33	229	NE-SW	
Aug 24 Sat	sentinel6a	1339	1345	32	349	60	N -NE	
Aug 24 Sat	lares2	1349	1437	76	186	32	S -NE	

Aug 24 Sat	hy2d	1406	1414	82	221	38	SW-NE
Aug 24 Sat	jason3	1431	1440	43	341	93	N -E
Aug 24 Sat	swarmb	1445	1448	31	249	329	W -NW
Aug 24 Sat	hy2c	1449	1456	51	338	108	N -E
Aug 24 Sat	larets	1521	1526	64	32	179	NE-S

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 24 Sat	sentinel6a	1534	1545	70	328 127 NW-SE	TS
Aug 24 Sat	lageos1	1554	1630	52	52 296 NE-NW	
Aug 24 Sat	hy2d	1556	1600	30	312 13 NW-N	
Aug 24 Sat	jason3	1627	1637	73	315 156 NW-SE	
Aug 24 Sat	swot	1630	1637	77	189 21 S -N	
Aug 24 Sat	hy2b	1635	1641	48	119 2 SE-N	
Aug 24 Sat	hy2c	1637	1643	42	290 185 W -S	
Aug 24 Sat	paz	1729	1733	71	181 342 S -N	
Aug 24 Sat	sentinel6a	1731	1739	37	291 197 W -S	
Aug 24 Sat	lares2	1753	1838	54	276 54 W -NE	
Aug 24 Sat	terrasarx	1757	1800	36	222 315 SW-NW	
Aug 24 Sat	tandemx	1757	1800	37	223 315 SW-NW	
Aug 24 Sat	hy2b	1819	1824	35	232 315 SW-NW	
Aug 24 Sat	saral	1824	1830	75	23 190 NE-S	
Aug 24 Sat	starlette	1825	1831	47	203 86 SW-E	
Aug 24 Sat	lageos1	1918	1959	71	113 326 SE-NW	
Aug 24 Sat	sentinel3a	1958	1959	25	63 45 NE-NE	
Aug 24 Sat	starlette	2013	2020	78	257 89 W -E	
Aug 24 Sat	stella	2021	2027	59	188 333 S -NW	
Aug 24 Sat	sentinel3b	2057	2103	64	143 353 SE-N	
Aug 24 Sat	swarmc	2105	2107	30	93 37 E -NE	
Aug 24 Sat	swarma	2106	2107	26	76 50 E -NE	
Aug 24 Sat	cryosat2	2116	2121	52	34 161 NE-S	
Aug 24 Sat	gracefol	2117	2121	66	202 353 S -N	
Aug 24 Sat	hy2d	2120	2128	77	326 134 NW-SE	
Aug 24 Sat	icesat2	2127	2131	82	2 188 N -S	
Aug 24 Sat	sentinel3a	2135	2141	60	187 334 S -NW	
Aug 24 Sat	lares2	2201	2249	74	324 134 NW-SE	
Aug 24 Sat	starlette	2202	2209	68	270 117 W -SE	
Aug 24 Sat	lageos1	2254	2332	48	197 322 S -NW	
Aug 24 Sat	hy2d	2310	2312	25	255 226 W -SW	
Aug 24 Sat	starlette	2352	2356	32	240 175 SW-S	
Aug 25 Sun	swot	0126	0131	34	29 113 NE-SE	
Aug 25 Sun	lageos2	0137	0227	72	213 64 SW-NE	
Aug 25 Sun	lares2	0200	0234	41	322 228 NW-SW	
Aug 25 Sun	swarmb	0208	0212	39	327 212 NW-SW	
Aug 25 Sun	lares	0210	0221	86	208 33 SW-NE	
Aug 25 Sun	larets	0228	0234	68	177 339 S -N	

Aug 25 Sun	swot	0309	0316	47	320 195	NW-S
Aug 25 Sun	saral	0408	0412	31	87 13	E -N
Aug 25 Sun	lares	0411	0419	35	289 17	W -N
Aug 25 Sun	beaconc	0418	0422	31	195 131	S -SE

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 25 Sun	lageos2	0541	0633	87	277 104 W -E	
Aug 25 Sun	saral	0546	0552	44	206 328 SW-NW	
Aug 25 Sun	beaconc	0610	0615	32	224 145 SW-SE	
Aug 25 Sun	paz	0628	0632	67	24 187 NE-S	
Aug 25 Sun	ajisai	0650	0702	65	227 79 SW-E	
Aug 25 Sun	hy2b	0651	0659	81	15 200 N -S	
Aug 25 Sun	tandemx	0656	0700	52	346 215 N -SW	
Aug 25 Sun	terrasarx	0656	0700	52	346 215 N -SW	
Aug 25 Sun	jason3	0704	0713	41	165 57 S -NE	
Aug 25 Sun	hy2c	0753	0801	82	217 39 SW-NE	
Aug 25 Sun	sentinel6a	0806	0817	79	209 41 SW-NE	
Aug 25 Sun	lares	0814	0820	31	3 67 N -NE	
Aug 25 Sun	cryosat2	0830	0834	32	102 23 E -NE	
Aug 25 Sun	stella	0831	0835	32	65 142 NE-SE	
Aug 25 Sun	gracefol	0837	0840	54	36 159 NE-S	
Aug 25 Sun	ajisai	0851	0903	85	266 93 W -E	
Aug 25 Sun	jason3	0859	0910	65	241 34 SW-NE	
Aug 25 Sun	icesat2	0940	0943	33	231 321 SW-NW	
Aug 25 Sun	hy2c	0942	0947	31	296 13 NW-N	
Aug 25 Sun	sentinel3a	0945	0949	34	58 139 NE-SE	
Aug 25 Sun	lageos2	0947	1031	53	297 177 NW-S	
Aug 25 Sun	swarma	0957	0959	32	299 233 NW-SW	
Aug 25 Sun	sentinel6a	1004	1013	41	279 28 W -NE	
Aug 25 Sun	cryosat2	1008	1013	36	229 330 SW-NW	
Aug 25 Sun	stella	1010	1015	43	346 238 N -SW	
Aug 25 Sun	lares	1010	1022	74	332 138 NW-SE	
Aug 25 Sun	sentinel3b	1046	1052	73	11 202 N -S	
Aug 25 Sun	ajisai	1053	1105	66	278 128 W -SE	
Aug 25 Sun	jason3	1059	1105	31	314 23 NW-NE	
Aug 25 Sun	lageos1	1100	1143	73	34 199 NE-S	
Aug 25 Sun	sentinel3a	1125	1130	41	336 234 NW-SW	
Aug 25 Sun	lares	1210	1217	33	290 215 W -SW	
Aug 25 Sun	lares2	1223	1304	51	151 34 SE-NE	
Aug 25 Sun	hy2d	1239	1244	36	147 65 SE-NE	
Aug 25 Sun	ajisai	1257	1303	31	251 190 W -S	
Aug 25 Sun	sentinel6a	1401	1409	39	341 79 N -E	
Aug 25 Sun	hy2d	1424	1432	59	244 30 SW-NE	
Aug 25 Sun	swarmb	1426	1429	43	238 338 SW-N	
Aug 25 Sun	lageos1	1433	1511	58	40 274 NE-W	
Aug 25 Sun	jason3	1453	1503	55	333 109 NW-E	
Aug 25 Sun	hy2c	1507	1515	73	327 131 NW-SE	

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 25 Sun	larets	1557	1602	61	0 216 N -SW	RS
Aug 25 Sun	sentinel6a	1557	1607	82	320 146 NW-SE	
Aug 25 Sun	lares2	1615	1703	65	243 40 SW-NE	
Aug 25 Sun	swot	1630	1637	80	199 17 S -N	
Aug 25 Sun	jason3	1649	1659	52	307 178 NW-S	
Aug 25 Sun	hy2b	1656	1704	65	145 350 SE-N	
Aug 25 Sun	paz	1711	1715	68	151 355 SE-N	
Aug 25 Sun	tandemx	1739	1743	57	190 332 S -NW	
Aug 25 Sun	terrasarx	1739	1743	57	190 332 S -NW	
Aug 25 Sun	saral	1753	1758	43	54 162 NE-S	
Aug 25 Sun	lageos1	1759	1837	58	86 319 E -NW	
Aug 25 Sun	starlette	1843	1850	62	232 85 SW-E	
Aug 25 Sun	saral	1932	1936	33	336 257 NW-W	
Aug 25 Sun	hy2d	1952	1958	36	351 86 N -E	
Aug 25 Sun	stella	1954	2001	84	159 346 S -N	
Aug 25 Sun	lares2	2027	2113	58	315 101 NW-E	
Aug 25 Sun	sentinel3b	2031	2037	42	121 4 SE-N	
Aug 25 Sun	starlette	2032	2039	82	267 97 W -E	
Aug 25 Sun	gracefo1	2049	2053	61	160 10 S -N	
Aug 25 Sun	icesat2	2100	2104	45	34 162 NE-S	
Aug 25 Sun	sentinel3a	2109	2115	78	158 347 S -N	
Aug 25 Sun	lageos1	2127	2210	72	162 327 S -NW	
Aug 25 Sun	hy2d	2139	2146	71	312 157 NW-SE	
Aug 25 Sun	cryosat2	2204	2209	55	345 211 N -SW	
Aug 25 Sun	swarmc	2207	2210	39	229 333 SW-NW	
Aug 25 Sun	swarma	2208	2211	45	237 343 SW-N	
Aug 25 Sun	sentinel3b	2212	2216	32	234 311 SW-NW	
Aug 25 Sun	starlette	2221	2228	56	268 133 W -SE	
Aug 25 Sun	lageos2	2349	0031	49	175 63 S -NE	
Aug 26 Mon	lares2	0027	0112	64	327 190 NW-S	
Aug 26 Mon	lares	0107	0117	52	169 45 S -NE	
Aug 26 Mon	swot	0126	0132	40	16 122 N -SE	
Aug 26 Mon	larets	0128	0132	35	108 18 E -N	
Aug 26 Mon	swarmb	0149	0153	55	339 198 N -S	
Aug 26 Mon	lares	0305	0315	53	253 22 W -N	
Aug 26 Mon	larets	0306	0310	33	234 318 SW-NW	
Aug 26 Mon	swot	0310	0316	40	312 206 NW-SW	
Aug 26 Mon	beaconc	0334	0338	29	185 126 S -SE	
Aug 26 Mon	lageos2	0345	0437	87	252 81 W -E	
Aug 26 Mon	saral	0514	0520	78	171 341 S -N	
Aug 26 Mon	beaconc	0526	0531	34	217 137 SW-SE	
Aug 26 Mon	ajisai	0556	0607	54	212 82 SW-E	

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 26 Mon	paz	0611	0614	48	56 165 NE-S	RS
Aug 26 Mon	hy2c	0626	0631	33	146 67 SE-NE	
Aug 26 Mon	sentinel6a	0636	0643	34	142 62 SE-NE	
Aug 26 Mon	tandemx	0638	0643	84	11 197 N -S	
Aug 26 Mon	terrasarx	0638	0643	84	11 197 N -S	
Aug 26 Mon	hy2b	0714	0721	62	0 217 N -SW	
Aug 26 Mon	jason3	0726	0736	60	188 48 S -NE	

Aug 26 Mon	lageos2	0751	0841	75	294	142	NW-SE
Aug 26 Mon	ajisai	0757	0809	81	257	86	W -E
Aug 26 Mon	hy2c	0811	0819	62	240	31	SW-NE
Aug 26 Mon	sentinel6a	0829	0840	75	231	36	SW-NE
Aug 26 Mon	lares	0907	0917	48	348	109	N -E
Aug 26 Mon	icesat2	0913	0917	56	195	346	S -N
Aug 26 Mon	cryosat2	0917	0923	75	172	356	S -N
Aug 26 Mon	jason3	0922	0932	49	261	29	W -NE
Aug 26 Mon	swarma	0925	0929	65	347	192	N -S
Aug 26 Mon	swarmc	0925	0929	56	334	195	NW-S
Aug 26 Mon	lageos1	0938	1016	49	40	165	NE-S
Aug 26 Mon	stella	0943	0949	68	5	212	N -SW
Aug 26 Mon	ajisai	0959	1011	75	277	115	W -SE
Aug 26 Mon	sentinel3b	1020	1026	62	30	179	NE-S
Aug 26 Mon	sentinel6a	1028	1035	34	300	22	NW-N
Aug 26 Mon	sentinel3a	1058	1104	65	4	215	N -SW
Aug 26 Mon	lares	1104	1115	59	316	177	NW-S
Aug 26 Mon	lares2	1105	1129	31	106	44	E -NE
Aug 26 Mon	ajisai	1201	1211	41	270	164	W -S
Aug 26 Mon	hy2d	1256	1303	56	184	51	S -NE
Aug 26 Mon	lageos1	1311	1353	71	34	247	NE-SW
Aug 26 Mon	jason3	1320	1327	33	342	63	N -NE
Aug 26 Mon	hy2c	1339	1345	34	351	84	N -E
Aug 26 Mon	swarmb	1406	1410	62	201	350	S -N
Aug 26 Mon	sentinel6a	1424	1433	48	340	100	N -E
Aug 26 Mon	lares2	1441	1530	85	210	34	SW-NE
Aug 26 Mon	hy2d	1444	1450	43	276	22	W -N
Aug 26 Mon	larets	1457	1501	38	63	155	NE-SE
Aug 26 Mon	jason3	1516	1526	72	328	129	NW-SE
Aug 26 Mon	hy2c	1526	1533	76	315	153	NW-SE

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 26 Mon	sentinel6a	1620	1630	62	308 166 NW-S	VS
Aug 26 Mon	swot	1631	1638	75	210 13 SW-N	
Aug 26 Mon	larets	1634	1638	31	329 247 NW-SW	
Aug 26 Mon	lageos1	1640	1716	52	64 308 NE-NW	
Aug 26 Mon	paz	1654	1658	42	124 4 SE-N	
Aug 26 Mon	jason3	1713	1720	35	288 205 W -SW	
Aug 26 Mon	starlette	1715	1720	35	182 93 S -E	
Aug 26 Mon	hy2b	1718	1726	78	164 343 S -N	
Aug 26 Mon	tandemx	1722	1726	68	165 347 S -N	
Aug 26 Mon	terrasarx	1722	1726	67	165 347 S -N	
Aug 26 Mon	lares2	1850	1935	52	295 71 NW-E	
Aug 26 Mon	saral	1900	1906	54	357 221 N -SW	
Aug 26 Mon	starlette	1902	1909	73	248 87 W -E	
Aug 26 Mon	stella	1928	1934	51	130 358 SE-N	
Aug 26 Mon	lageos1	2005	2048	84	132 328 SE-NW	
Aug 26 Mon	sentinel3b	2007	2010	28	78 24 E -NE	
Aug 26 Mon	hy2d	2010	2017	49	340 106 N -E	
Aug 26 Mon	gracefo1	2022	2025	33	125 34 SE-NE	
Aug 26 Mon	icesat2	2034	2036	26	69 123 E -SE	
Aug 26 Mon	sentinel3a	2043	2049	53	134 0 SE-N	

Aug 26 Mon	starlette	2051	2058	76	271 107 W -E
Aug 26 Mon	stella	2110	2112	26	257 294 W -NW
Aug 26 Mon	cryosat2	2114	2119	57	30 164 NE-S
Aug 26 Mon	swarmc	2136	2140	73	188 0 S -N
Aug 26 Mon	swarma	2136	2140	79	179 4 S -N
Aug 26 Mon	sentinel3b	2145	2151	51	198 331 S -NW
Aug 26 Mon	hy2d	2157	2204	46	301 181 NW-S
Aug 26 Mon	icesat2	2208	2209	25	298 269 NW-W
Aug 26 Mon	lageos2	2213	2228	27	119 83 SE-E
Aug 26 Mon	sentinel3a	2225	2227	26	251 288 W -W
Aug 26 Mon	starlette	2240	2246	42	264 156 W -SE
Aug 26 Mon	lares2	2254	2343	88	327 157 NW-SE
Aug 26 Mon	lageos1	2350	0018	34	228 313 SW-NW
Aug 27 Tue	lares	0006	0011	28	120 69 SE-E
Aug 27 Tue	swot	0126	0133	46	5 130 N -SE
Aug 27 Tue	swarmb	0130	0134	69	356 181 N -S
Aug 27 Tue	lageos2	0151	0241	77	221 66 SW-NE
Aug 27 Tue	lares	0200	0211	83	216 31 SW-NE
Aug 27 Tue	larets	0204	0209	71	148 352 SE-N
Aug 27 Tue	beaconc	0250	0253	27	176 133 S -SE
Aug 27 Tue	lares2	0258	0314	27	307 266 NW-W
Aug 27 Tue	swot	0311	0316	34	304 218 NW-SW
Aug 27 Tue	lares	0401	0408	33	295 12 NW-N
Aug 27 Tue	beaconc	0441	0447	34	222 130 SW-SE
Aug 27 Tue	saral	0443	0449	57	135 356 SE-N
Aug 27 Tue	ajisai	0503	0513	42	191 84 S -E

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 27 Tue	hy2b	0553	0559	37	51 151 NE-SE	MW
Aug 27 Tue	paz	0554	0556	30	82 139 E -SE	
Aug 27 Tue	lageos2	0555	0647	89	281 111 W -E	
Aug 27 Tue	tandemx	0621	0625	57	31 178 NE-S	
Aug 27 Tue	terrasarx	0621	0625	58	31 178 NE-S	
Aug 27 Tue	hy2c	0643	0650	52	180 52 S -NE	
Aug 27 Tue	sentinel6a	0657	0706	50	173 52 S -NE	
Aug 27 Tue	ajisai	0703	0715	75	245 82 SW-E	
Aug 27 Tue	hy2b	0736	0742	45	350 237 N -SW	
Aug 27 Tue	jason3	0748	0759	84	212 40 SW-NE	
Aug 27 Tue	lares	0803	0810	33	356 72 N -E	
Aug 27 Tue	cryosat2	0828	0832	35	105 22 E -N	
Aug 27 Tue	hy2c	0830	0837	45	263 23 W -NE	
Aug 27 Tue	icesat2	0846	0850	63	156 5 SE-N	
Aug 27 Tue	sentinel6a	0852	0902	56	251 30 W -NE	
Aug 27 Tue	swarma	0854	0858	57	14 159 N -S	
Aug 27 Tue	swarmc	0854	0858	63	14 168 N -S	
Aug 27 Tue	ajisai	0905	0917	82	273 103 W -E	
Aug 27 Tue	gracefol	0916	0919	38	316 220 NW-SW	
Aug 27 Tue	stella	0917	0923	74	25 189 NE-S	
Aug 27 Tue	jason3	0946	0955	39	283 29 W -NE	
Aug 27 Tue	sentinel3b	0955	1000	39	58 158 NE-S	
Aug 27 Tue	lares	1000	1012	81	330 145 NW-SE	
Aug 27 Tue	lageos2	1001	1042	47	297 187 NW-S	
Aug 27 Tue	cryosat2	1007	1010	33	249 317 W -NW	
Aug 27 Tue	sentinel3a	1032	1039	80	20 192 N -S	
Aug 27 Tue	sentinel6a	1052	1058	30	318 24 NW-NE	
Aug 27 Tue	ajisai	1107	1118	53	273 145 W -SE	
Aug 27 Tue	sentinel3b	1134	1139	36	342 246 N -SW	
Aug 27 Tue	lageos1	1148	1232	87	32 219 NE-SW	
Aug 27 Tue	sentinel6a	1251	1257	31	350 58 N -NE	
Aug 27 Tue	lares2	1312	1358	69	176 32 S -NE	
Aug 27 Tue	hy2d	1314	1322	82	212 40 SW-NE	

Aug 27 Tue	jason3	1343	1351	40	343	83	N -E
Aug 27 Tue	swarmb	1347	1351	77	180	2	S -N
Aug 27 Tue	hy2c	1357	1404	46	341	103	N -E
Aug 27 Tue	sentinel6a	1446	1456	63	330	118	NW-SE
Aug 27 Tue	hy2d	1503	1508	33	296	14	NW-N
Aug 27 Tue	lageos1	1520	1557	53	48	289	NE-W
Aug 27 Tue	larets	1532	1538	74	19	191	N -S
Aug 27 Tue	jason3	1538	1549	80	319	149	NW-SE
Aug 27 Tue	hy2c	1544	1551	49	303	178	NW-S

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Aug 27 Tue	swot	1632	1639	63	221 11 SW-N	TS
Aug 27 Tue	paz	1637	1640	30	99 20 E -N	
Aug 27 Tue	sentinel6a	1643	1651	42	294 192 NW-S	
Aug 27 Tue	tandemx	1705	1709	57	130 357 SE-N	
Aug 27 Tue	terrasarx	1705	1709	56	131 357 SE-N	
Aug 27 Tue	lares2	1712	1758	56	267 50 W -NE	
Aug 27 Tue	starlette	1733	1739	49	213 89 SW-E	
Aug 27 Tue	hy2b	1741	1748	62	189 335 S -NW	
Aug 27 Tue	saral	1829	1835	80	19 194 N -S	
Aug 27 Tue	lageos1	1844	1925	66	104 324 E -NW	
Aug 27 Tue	stella	1903	1907	34	89 12 E -N	
Aug 27 Tue	starlette	1921	1928	75	260 91 W -E	
Aug 27 Tue	sentinel3a	2018	2023	35	105 12 E -N	
Aug 27 Tue	hy2d	2028	2036	68	329 128 NW-SE	
Aug 27 Tue	stella	2042	2047	42	217 323 SW-NW	
Aug 27 Tue	swarmc	2105	2109	46	142 17 SE-N	
Aug 27 Tue	swarma	2106	2109	41	125 25 SE-NE	
Aug 27 Tue	starlette	2110	2117	65	273 122 W -SE	
Aug 27 Tue	sentinel3b	2119	2125	75	169 342 S -N	
Aug 27 Tue	lares2	2122	2210	69	323 125 NW-SE	
Aug 27 Tue	gracefo1	2129	2132	34	242 330 SW-NW	
Aug 27 Tue	icesat2	2141	2144	46	320 215 NW-SW	
Aug 27 Tue	sentinel3a	2158	2203	41	218 323 SW-NW	
Aug 27 Tue	cryosat2	2202	2207	51	342 215 N -SW	
Aug 27 Tue	hy2d	2217	2221	29	271 210 W -SW	
Aug 27 Tue	lageos1	2218	2258	56	185 324 S -NW	
Aug 27 Tue	starlette	2300	2304	30	248 184 W -S	
Aug 28 Wed	lageos2	0001	0045	55	185 62 S -NE	
Aug 28 Wed	lares	0056	0107	58	179 41 S -NE	
Aug 28 Wed	swarmb	0111	0115	57	15 166 N -S	
Aug 28 Wed	lares2	0121	0159	47	323 216 NW-SW	
Aug 28 Wed	swot	0127	0134	53	3 138 N -SE	
Aug 28 Wed	lares2	0240	0245	54	192 329 S -NW	
Aug 28 Wed	lares	0254	0305	48	255 23 W -NE	
Aug 28 Wed	swot	0312	0316	29	295 230 NW-SW	
Aug 28 Wed	beaconc	0357	0402	35	214 133 SW-SE	

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 28 Wed	lageos2	0400	0451	86	259 86 W -E	RS
Aug 28 Wed	ajisai	0411	0417	31	162 100 S -E	
Aug 28 Wed	saral	0413	0417	34	89 12 E -N	
Aug 28 Wed	saral	0551	0556	40	210 317 SW-NW	
Aug 28 Wed	terrasarx	0604	0607	38	54 151 NE-SE	
Aug 28 Wed	tandemx	0604	0607	39	55 152 NE-SE	
Aug 28 Wed	ajisai	0609	0621	67	231 80 SW-E	
Aug 28 Wed	hy2b	0615	0622	54	39 172 NE-S	
Aug 28 Wed	jason3	0617	0625	36	151 60 SE-NE	
Aug 28 Wed	hy2c	0701	0709	77	208 42 SW-NE	
Aug 28 Wed	paz	0710	0713	37	325 235 NW-SW	
Aug 28 Wed	sentinel6a	0719	0729	72	199 44 S -NE	
Aug 28 Wed	hy2b	0759	0804	33	330 251 NW-W	
Aug 28 Wed	lageos2	0805	0854	70	296 150 NW-SE	
Aug 28 Wed	ajisai	0811	0823	86	267 94 W -E	
Aug 28 Wed	jason3	0811	0822	71	235 36 SW-NE	
Aug 28 Wed	icesat2	0820	0823	34	115 26 SE-NE	
Aug 28 Wed	swarmc	0823	0826	33	42 132 NE-SE	
Aug 28 Wed	gracefol	0848	0852	65	351 190 N -S	
Aug 28 Wed	hy2c	0850	0855	34	294 15 NW-N	
Aug 28 Wed	stella	0850	0856	46	40 165 NE-S	
Aug 28 Wed	lares	0856	0907	52	342 115 N -SE	
Aug 28 Wed	cryosat2	0915	0921	74	177 354 S -N	
Aug 28 Wed	sentinel6a	0916	0925	44	275 28 W -NE	
Aug 28 Wed	sentinel3a	1007	1012	51	45 165 NE-S	
Aug 28 Wed	jason3	1010	1017	33	303 23 NW-NE	
Aug 28 Wed	ajisai	1012	1024	65	279 131 W -SE	
Aug 28 Wed	lageos1	1026	1108	65	35 189 NE-S	
Aug 28 Wed	stella	1031	1035	32	323 251 NW-W	
Aug 28 Wed	lares	1054	1104	53	312 185 NW-S	
Aug 28 Wed	sentinel3b	1108	1114	54	356 221 N -SW	
Aug 28 Wed	hy2d	1147	1152	31	142 68 SE-E	
Aug 28 Wed	lares2	1147	1225	46	140 35 SE-NE	
Aug 28 Wed	sentinel6a	1313	1321	36	342 76 N -E	
Aug 28 Wed	swarmb	1328	1332	59	159 13 S -N	
Aug 28 Wed	hy2d	1332	1340	65	237 33 SW-NE	
Aug 28 Wed	lageos1	1359	1439	61	38 265 NE-W	
Aug 28 Wed	jason3	1405	1415	50	334 104 NW-E	
Aug 28 Wed	hy2c	1415	1423	64	330 124 NW-SE	
Aug 28 Wed	sentinel6a	1509	1519	80	323 139 NW-SE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 28 Wed	lares2	1535	1624	70	234 38 SW-NE	MW

Aug 28 Wed	jason3	1601	1611	59	310	172	NW-S
Aug 28 Wed	hy2c	1604	1608	31	273	208	W -SW
Aug 28 Wed	larets	1609	1614	50	348	223	N -SW
Aug 28 Wed	hy2b	1620	1626	40	112	9	E -N
Aug 28 Wed	swot	1632	1639	54	226	4	SW-N
Aug 28 Wed	tandemx	1648	1651	37	100	12	E -N
Aug 28 Wed	terrasarx	1648	1651	37	101	12	E -N
Aug 28 Wed	lageos1	1726	1803	55	78	316	E -NW
Aug 28 Wed	starlette	1752	1759	63	233	84	SW-E
Aug 28 Wed	paz	1753	1757	37	213	325	SW-NW
Aug 28 Wed	saral	1757	1803	47	38	165	NE-S
Aug 28 Wed	hy2b	1803	1810	44	207	326	SW-NW
Aug 28 Wed	hy2d	1900	1905	33	353	73	N -E
Aug 28 Wed	saral	1938	1941	30	317	260	NW-W
Aug 28 Wed	starlette	1941	1948	76	267	98	W -E
Aug 28 Wed	lares2	1947	2033	55	311	93	NW-E
Aug 28 Wed	stella	2014	2021	69	178	338	S -N
Aug 28 Wed	hy2d	2047	2054	81	317	149	NW-SE
Aug 28 Wed	lageos1	2053	2136	80	152	328	SE-NW
Aug 28 Wed	sentinel3b	2053	2059	60	140	355	SE-N
Aug 28 Wed	gracefo1	2101	2105	56	202	351	S -N
Aug 28 Wed	cryosat2	2111	2117	62	18	168	N -S
Aug 28 Wed	icesat2	2114	2118	84	5	186	N -S
Aug 28 Wed	starlette	2130	2136	51	263	138	W -SE
Aug 28 Wed	sentinel3a	2131	2137	66	182	335	S -NW
Aug 28 Wed	swarmc	2209	2211	25	267	320	W -NW
Aug 28 Wed	swarma	2210	2212	29	278	329	W -NW
Aug 28 Wed	lageos2	2220	2246	32	137	72	SE-E
Aug 28 Wed	lares2	2348	0034	71	327	181	NW-S
Aug 28 Wed	lares	2354	0001	32	138	63	SE-NE
Aug 29 Thu	swarmb	0052	0056	43	31	152	NE-SE
Aug 29 Thu	swot	0127	0134	61	354	143	N -SE
Aug 29 Thu	larets	0140	0144	42	110	8	E -N
Aug 29 Thu	lares	0149	0201	75	223	30	SW-NE
Aug 29 Thu	lageos2	0204	0255	82	229	69	SW-E
Aug 29 Thu	beaconc	0313	0318	34	205	127	SW-SE
Aug 29 Thu	swot	0314	0315	25	272	256	W -W
Aug 29 Thu	larets	0318	0320	27	247	290	SW-W
Aug 29 Thu	lares	0351	0358	31	301	14	NW-N
Aug 29 Thu	beaconc	0506	0510	31	219	155	SW-SE
Aug 29 Thu	ajisai	0515	0526	56	215	82	SW-E
Aug 29 Thu	saral	0519	0525	73	176	338	S -N

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 29 Thu	lageos2	0610	0701	88	286 118 W -SE	CP
Aug 29 Thu	hy2b	0637	0644	76	25 188 NE-S	
Aug 29 Thu	jason3	0638	0648	53	181 50 S -NE	
Aug 29 Thu	paz	0652	0656	53	353 214 N -SW	
Aug 29 Thu	ajisai	0716	0728	84	259 87 W -E	
Aug 29 Thu	hy2c	0719	0727	69	233 34 SW-NE	
Aug 29 Thu	tandemx	0721	0723	30	314 256 NW-W	
Aug 29 Thu	terrasarx	0721	0723	30	315 257 NW-W	
Aug 29 Thu	sentinel6a	0741	0752	82	223 37 SW-NE	
Aug 29 Thu	lares	0752	0800	35	350 78 N -E	
Aug 29 Thu	gracefo1	0821	0825	58	27 166 NE-S	
Aug 29 Thu	cryosat2	0825	0830	38	124 20 SE-N	
Aug 29 Thu	jason3	0834	0844	53	256 30 W -NE	
Aug 29 Thu	lageos1	0905	0939	42	44 152 NE-SE	

Aug 29 Thu	ajisai	0918	0930	74	278	117	W -SE
Aug 29 Thu	swarmc	0926	0929	35	317	222	NW-SW
Aug 29 Thu	swarma	0927	0930	41	311	212	NW-SW
Aug 29 Thu	icesat2	0927	0930	35	231	324	SW-NW
Aug 29 Thu	sentinel6a	0940	0947	36	298	22	NW-N
Aug 29 Thu	sentinel3a	0941	0945	32	58	134	NE-SE
Aug 29 Thu	lares	0950	1001	87	328	151	NW-SE
Aug 29 Thu	stella	1003	1009	48	355	229	N -SW
Aug 29 Thu	cryosat2	1005	1008	31	251	315	W -NW
Aug 29 Thu	lageos2	1016	1053	41	294	198	NW-S
Aug 29 Thu	sentinel3b	1042	1048	80	14	199	N -S
Aug 29 Thu	ajisai	1121	1130	39	264	167	W -S
Aug 29 Thu	sentinel3a	1121	1126	44	341	233	N -SW
Aug 29 Thu	hy2d	1204	1211	48	176	54	S -NE
Aug 29 Thu	jason3	1232	1239	32	343	61	N -NE
Aug 29 Thu	lageos1	1237	1319	77	33	238	NE-SW
Aug 29 Thu	hy2c	1247	1252	32	354	72	N -E
Aug 29 Thu	swarmb	1309	1313	41	140	23	SE-NE
Aug 29 Thu	sentinel6a	1336	1345	45	342	96	N -E
Aug 29 Thu	hy2d	1351	1358	47	261	24	W -NE
Aug 29 Thu	lares2	1403	1451	88	201	33	S -NE
Aug 29 Thu	jason3	1428	1438	66	330	122	NW-SE
Aug 29 Thu	hy2c	1434	1442	85	320	145	NW-SE
Aug 29 Thu	swot	1450	1455	33	129	47	SE-NE
Aug 29 Thu	larets	1508	1513	48	44	168	NE-S
Aug 29 Thu	sentinel6a	1531	1542	70	315	159	NW-S

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 29 Thu	lageos1	1607	1643	51	57 302	NE-NW VS
Aug 29 Thu	starlette	1623	1628	37	194 98	S -E
Aug 29 Thu	jason3	1625	1633	40	291 193	W -S
Aug 29 Thu	swot	1633	1640	47	236 3	SW-N
Aug 29 Thu	hy2b	1642	1649	54	128 356	SE-N
Aug 29 Thu	paz	1735	1740	62	184 338	S -N
Aug 29 Thu	terrasarx	1805	1807	30	250 307	W -NW
Aug 29 Thu	tandemx	1805	1807	30	251 308	W -NW
Aug 29 Thu	lares2	1810	1855	52	289 65	W -NE
Aug 29 Thu	starlette	1811	1818	75	249 87	W -E
Aug 29 Thu	hy2b	1826	1831	31	231 309	SW-NW
Aug 29 Thu	saral	1905	1911	50	355 225	N -SW
Aug 29 Thu	hy2d	1918	1925	44	343 101	N -E
Aug 29 Thu	lageos1	1931	2013	77	123 327	SE-NW
Aug 29 Thu	stella	1948	1954	70	150 350	SE-N
Aug 29 Thu	starlette	2000	2007	74	271 109	W -E
Aug 29 Thu	cryosat2	2023	2024	25	80 100	E -E
Aug 29 Thu	sentinel3b	2028	2033	40	107 6	E -N
Aug 29 Thu	gracefo1	2033	2037	68	165 9	S -N
Aug 29 Thu	icesat2	2047	2051	45	39 162	NE-S
Aug 29 Thu	sentinel3a	2105	2112	77	155 348	SE-N
Aug 29 Thu	hy2d	2105	2112	53	305 174	NW-S
Aug 29 Thu	swarmc	2137	2141	48	218 349	SW-N
Aug 29 Thu	swarma	2138	2141	58	219 348	SW-N
Aug 29 Thu	starlette	2149	2155	38	259 156	W -SE
Aug 29 Thu	cryosat2	2200	2205	48	339 218	N -SW
Aug 29 Thu	sentinel3b	2208	2212	35	229 311	SW-NW

Aug 29 Thu	lares2	2215	2304	84	326 149	NW-SE
Aug 29 Thu	lageos1	2311	2345	41	211 317	SW-NW
Aug 30 Fri	lageos2	0013	0059	61	194 62	S -NE
Aug 30 Fri	swarmb	0033	0036	31	44 128	NE-SE
Aug 30 Fri	lares	0045	0056	65	188 40	S -NE
Aug 30 Fri	swot	0128	0135	73	350 152	N -SE
Aug 30 Fri	larets	0215	0221	76	163 346	S -N
Aug 30 Fri	lares2	0217	0241	32	314 250	NW-W
Aug 30 Fri	beaconc	0229	0234	32	196 122	S -SE
Aug 30 Fri	lares	0244	0254	44	263 19	W -N

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 30 Fri	lageos2	0413	0505	86	265 91 W -E	CP
Aug 30 Fri	beaconc	0421	0426	33	226 147 SW-SE	
Aug 30 Fri	ajisai	0422	0432	44	194 84 S -E	
Aug 30 Fri	saral	0448	0454	62	141 354 SE-N	
Aug 30 Fri	hy2c	0551	0558	45	173 55 S -NE	
Aug 30 Fri	sentinel6a	0609	0618	44	166 55 S -NE	
Aug 30 Fri	ajisai	0622	0634	77	247 83 SW-E	
Aug 30 Fri	paz	0634	0639	83	14 195 N -S	
Aug 30 Fri	hy2b	0659	0706	78	11 206 N -SW	
Aug 30 Fri	jason3	0700	0711	76	205 42 SW-NE	
Aug 30 Fri	terrasarx	0703	0707	42	342 223 N -SW	
Aug 30 Fri	tandemx	0703	0707	43	342 222 N -SW	
Aug 30 Fri	hy2c	0738	0745	50	258 25 W -NE	
Aug 30 Fri	gracefol	0754	0756	30	64 126 NE-SE	
Aug 30 Fri	sentinel6a	0804	0814	61	245 31 SW-NE	
Aug 30 Fri	lageos2	0819	0907	65	297 159 NW-S	
Aug 30 Fri	ajisai	0824	0836	79	274 105 W -E	
Aug 30 Fri	lares	0846	0856	57	342 118 N -SE	
Aug 30 Fri	swarma	0855	0859	83	356 181 N -S	
Aug 30 Fri	swarmc	0855	0859	69	347 186 N -S	
Aug 30 Fri	jason3	0858	0907	42	279 29 W -NE	
Aug 30 Fri	icesat2	0900	0904	64	194 348 S -N	
Aug 30 Fri	cryosat2	0913	0919	72	182 352 S -N	
Aug 30 Fri	stella	0937	0943	73	8 205 N -SW	
Aug 30 Fri	sentinel6a	1004	1010	31	317 24 NW-NE	
Aug 30 Fri	sentinel3b	1016	1022	59	31 175 NE-S	
Aug 30 Fri	ajisai	1026	1037	51	274 149 W -SE	
Aug 30 Fri	lares	1044	1054	47	306 189 NW-S	
Aug 30 Fri	sentinel3a	1054	1101	70	7 209 N -SW	
Aug 30 Fri	lageos1	1114	1158	81	33 210 NE-SW	
Aug 30 Fri	sentinel6a	1203	1208	30	351 48 N -NE	
Aug 30 Fri	hy2d	1222	1230	74	203 43 SW-NE	
Aug 30 Fri	lares2	1234	1319	63	168 32 S -NE	
Aug 30 Fri	jason3	1255	1303	37	344 79 N -E	
Aug 30 Fri	hy2c	1305	1312	42	344 98 N -E	
Aug 30 Fri	sentinel6a	1358	1408	57	333 113 NW-SE	
Aug 30 Fri	hy2d	1411	1416	35	294 16 NW-N	
Aug 30 Fri	lageos1	1447	1524	55	43 282 NE-W	
Aug 30 Fri	swot	1450	1456	39	143 40 SE-NE	
Aug 30 Fri	jason3	1450	1501	84	322 143 NW-SE	

Aug 30 Fri hy2c 1452 1500 57 307 166 NW-S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Aug 30 Fri	larets	1544	1550	77	11 201 N -S	MW
Aug 30 Fri	sentinel6a	1554	1604	48	304 181 NW-S	
Aug 30 Fri	lares2	1632	1719	58	259 47 W -NE	
Aug 30 Fri	swot	1634	1640	41	246 355 SW-N	
Aug 30 Fri	starlette	1642	1648	51	213 87 SW-E	
Aug 30 Fri	hy2b	1704	1711	75	149 348 SE-N	
Aug 30 Fri	paz	1718	1722	66	160 349 S -N	
Aug 30 Fri	terrasarx	1747	1750	48	215 325 SW-NW	
Aug 30 Fri	tandemx	1747	1750	48	216 325 SW-NW	
Aug 30 Fri	lageos1	1811	1851	62	96 322 E -NW	
Aug 30 Fri	starlette	1830	1837	81	262 92 W -E	
Aug 30 Fri	saral	1834	1840	81	14 198 N -S	
Aug 30 Fri	stella	1922	1927	47	119 5 SE-N	
Aug 30 Fri	hy2d	1936	1944	60	332 121 NW-SE	
Aug 30 Fri	sentinel3b	2003	2006	27	80 27 E -NE	
Aug 30 Fri	gracefol	2007	2010	34	104 22 E -N	
Aug 30 Fri	starlette	2019	2026	64	271 123 W -SE	
Aug 30 Fri	icesat2	2021	2022	25	77 105 E -E	
Aug 30 Fri	sentinel3a	2040	2045	50	122 3 SE-N	
Aug 30 Fri	lares2	2042	2130	64	320 117 NW-SE	
Aug 30 Fri	stella	2103	2106	30	246 303 SW-NW	
Aug 30 Fri	swarmc	2106	2110	73	170 6 S -N	
Aug 30 Fri	swarma	2106	2110	67	167 12 S -N	
Aug 30 Fri	cryosat2	2109	2115	67	15 172 N -S	
Aug 30 Fri	hy2d	2124	2130	34	287 196 W -S	
Aug 30 Fri	sentinel3b	2141	2147	54	193 332 S -NW	
Aug 30 Fri	lageos1	2142	2225	64	173 327 S -NW	
Aug 30 Fri	icesat2	2155	2156	26	289 260 W -W	
Aug 30 Fri	starlette	2210	2212	27	225 193 SW-S	
Aug 30 Fri	sentinel3a	2221	2224	28	247 302 SW-NW	
Aug 30 Fri	lageos2	2229	2302	37	151 67 SE-NE	
Aug 30 Fri	lares	2343	2351	36	146 58 SE-NE	
Aug 31 Sat	lares2	0041	0122	53	326 207 NW-SW	
Aug 31 Sat	larets	0116	0119	28	82 22 E -N	
Aug 31 Sat	swot	0129	0136	80	345 160 N -S	
Aug 31 Sat	lares	0139	0150	69	230 27 SW-NE	
Aug 31 Sat	beaconc	0144	0149	30	198 128 S -SE	
Aug 31 Sat	swarmb	0149	0152	31	306 227 NW-SW	
Aug 31 Sat	lageos2	0218	0309	85	237 72 SW-E	
Aug 31 Sat	larets	0252	0257	44	207 325 SW-NW	
Aug 31 Sat	ajisai	0329	0337	33	174 93 S -E	
Aug 31 Sat	beaconc	0337	0342	35	219 138 SW-SE	
Aug 31 Sat	lares	0341	0347	29	307 9 NW-N	
Aug 31 Sat	saral	0417	0422	37	108 10 E -N	
Aug 31 Sat	ajisai	0528	0540	68	234 80 SW-E	
Aug 31 Sat	jason3	0530	0536	31	137 69 SE-E	
Aug 31 Sat	hy2b	0539	0543	30	66 130 NE-SE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 31 Sat	saral	0557	0601	37	229 315 SW-NW	
Aug 31 Sat	hy2c	0609	0617	69	199 44 S -NE	
Aug 31 Sat	paz	0617	0621	54	34 174 NE-S	
Aug 31 Sat	lageos2	0624	0715	84	289 125 W -SE	
Aug 31 Sat	sentinel6a	0631	0641	64	191 46 S -NE	
Aug 31 Sat	tandemx	0645	0650	70	5 204 N -SW	
Aug 31 Sat	terrasarx	0646	0650	69	357 204 N -SW	
Aug 31 Sat	hy2b	0721	0728	57	359 223 N -SW	
Aug 31 Sat	jason3	0723	0734	77	228 37 SW-NE	
Aug 31 Sat	ajisai	0730	0742	84	269 96 W -E	
Aug 31 Sat	lares	0742	0750	38	352 85 N -E	
Aug 31 Sat	hy2c	0757	0803	37	279 17 W -N	
Aug 31 Sat	cryosat2	0823	0828	40	127 18 SE-N	
Aug 31 Sat	swarmc	0824	0827	52	28 152 NE-SE	
Aug 31 Sat	swarma	0825	0828	45	43 150 NE-SE	
Aug 31 Sat	sentinel6a	0827	0837	47	264 29 W -NE	
Aug 31 Sat	icesat2	0833	0837	55	150 5 SE-N	
Aug 31 Sat	gracefol	0900	0903	36	318 224 NW-SW	
Aug 31 Sat	stella	0910	0916	66	27 181 NE-S	
Aug 31 Sat	jason3	0922	0929	35	301 24 NW-NE	
Aug 31 Sat	ajisai	0932	0943	63	276 134 W -SE	
Aug 31 Sat	lares	0939	0951	78	325 157 NW-SE	
Aug 31 Sat	sentinel3b	0951	0956	37	57 154 NE-SE	
Aug 31 Sat	lageos1	0952	1032	57	37 177 NE-S	
Aug 31 Sat	sentinel3a	1028	1035	75	22 188 N -S	
Aug 31 Sat	lageos2	1031	1102	36	291 212 W -SW	
Aug 31 Sat	lares2	1112	1145	40	128 38 SE-NE	
Aug 31 Sat	sentinel3b	1131	1135	37	332 246 NW-SW	
Aug 31 Sat	sentinel6a	1225	1232	34	343 66 N -NE	
Aug 31 Sat	hy2d	1240	1248	72	229 35 SW-NE	
Aug 31 Sat	jason3	1317	1327	46	336 99 NW-E	
Aug 31 Sat	hy2c	1323	1331	57	334 118 NW-SE	
Aug 31 Sat	lageos1	1325	1406	66	36 256 NE-W	
Aug 31 Sat	swarmb	1406	1409	32	239 325 SW-NW	
Aug 31 Sat	sentinel6a	1421	1431	74	327 132 NW-SE	
Aug 31 Sat	swot	1450	1457	46	157 34 SE-NE	
Aug 31 Sat	lares2	1456	1545	75	225 37 SW-NE	
Aug 31 Sat	hy2c	1511	1517	36	289 193 W -S	
Aug 31 Sat	jason3	1513	1524	66	313 162 NW-S	

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Date	Satellite	Start	End	Elev	Direction	Observer
Aug 31 Sat	sentinel6a	1618	1625	33	285 206 W -SW	MW
Aug 31 Sat	larets	1621	1625	39	334 237 NW-SW	
Aug 31 Sat	swot	1635	1641	35	256 355 W -N	
Aug 31 Sat	lageos1	1653	1730	53	71 312 E -NW	
Aug 31 Sat	paz	1701	1705	53	125 358 SE-N	
Aug 31 Sat	starlette	1701	1707	64	234 86 SW-E	
Aug 31 Sat	hy2b	1726	1733	78	172 340 S -N	
Aug 31 Sat	tandemx	1729	1733	64	177 341 S -N	

Aug 31 Sat	terrasarx	1729	1733	66	177 341 S -N
Aug 31 Sat	saral	1802	1808	52	35 169 NE-S
Aug 31 Sat	hy2d	1808	1813	31	355 71 N -E
Aug 31 Sat	starlette	1849	1856	78	269 100 W -E
Aug 31 Sat	stella	1856	1900	30	95 21 E -N
Aug 31 Sat	lares2	1907	1953	53	306 86 NW-E
Aug 31 Sat	saral	1943	1946	28	316 262 NW-W
Aug 31 Sat	hy2d	1955	2002	87	322 142 NW-SE
Aug 31 Sat	sentinel3a	2015	2019	32	90 15 E -N
Aug 31 Sat	lageos1	2018	2102	87	142 328 SE-NW
Aug 31 Sat	cryosat2	2021	2023	27	80 118 E -SE
Aug 31 Sat	swarmc	2035	2038	37	129 32 SE-NE
Aug 31 Sat	stella	2035	2041	48	204 329 SW-NW
Aug 31 Sat	swarma	2036	2039	33	117 31 SE-NE
Aug 31 Sat	starlette	2038	2045	49	268 139 W -SE
Aug 31 Sat	gracefo1	2113	2116	32	240 327 SW-NW
Aug 31 Sat	sentinel3b	2115	2121	77	164 344 S -N
Aug 31 Sat	icesat2	2127	2131	46	337 209 NW-SW
Aug 31 Sat	sentinel3a	2154	2159	45	213 323 SW-NW
Aug 31 Sat	cryosat2	2158	2203	44	337 222 NW-SW
Aug 31 Sat	lares2	2309	2356	77	328 173 NW-S
Sep 1 Sun	lageos1	0011	0028	28	251 300 W -NW
Sep 1 Sun	lageos2	0025	0113	67	204 63 SW-NE
Sep 1 Sun	lares	0035	0046	73	194 37 S -NE
Sep 1 Sun	beaconc	0101	0104	28	176 134 S -SE
Sep 1 Sun	swot	0129	0136	78	339 168 N -S
Sep 1 Sun	swarmb	0130	0133	44	314 213 NW-SW
Sep 1 Sun	larets	0151	0156	54	131 359 SE-N
Sep 1 Sun	lares	0234	0243	41	270 15 W -N
Sep 1 Sun	beaconc	0252	0258	36	223 131 SW-SE
Sep 1 Sun	lageos2	0427	0519	86	271 97 W -E
Sep 1 Sun	ajisai	0434	0446	58	219 79 SW-E
Sep 1 Sun	saral	0524	0530	67	181 335 S -NW

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Date	Satellite	Start	End	Elev	Direction	Observer
Sep 1 Sun	jason3	0551	0600	47	168 52 S -NE	
Sep 1 Sun	hy2b	0600	0607	43	44 161 NE-S	
Sep 1 Sun	paz	0600	0603	36	59 150 NE-SE	
Sep 1 Sun	hy2c	0627	0635	75	225 36 SW-NE	
Sep 1 Sun	tandemx	0628	0632	69	23 185 NE-S	
Sep 1 Sun	terrasarx	0628	0632	71	22 185 N -S	
Sep 1 Sun	ajisai	0635	0648	85	261 88 W -E	
Sep 1 Sun	sentinel6a	0653	0704	86	216 39 SW-NE	
Sep 1 Sun	hy2b	0743	0749	41	350 245 N -SW	
Sep 1 Sun	jason3	0746	0756	58	250 31 W -NE	
Sep 1 Sun	icesat2	0807	0809	31	100 36 E -NE	
Sep 1 Sun	gracefo1	0832	0836	65	349 193 N -S	
Sep 1 Sun	lageos1	0832	0901	35	49 137 NE-SE	
Sep 1 Sun	lageos2	0833	0919	59	298 168 NW-S	
Sep 1 Sun	lares	0835	0846	63	337 126 NW-SE	
Sep 1 Sun	ajisai	0837	0849	73	278 120 W -SE	
Sep 1 Sun	stella	0844	0849	41	49 155 NE-SE	
Sep 1 Sun	sentinel6a	0851	0859	38	286 23 W -NE	
Sep 1 Sun	cryosat2	0911	0917	68	187 350 S -N	
Sep 1 Sun	jason3	0946	0952	30	320 26 NW-NE	
Sep 1 Sun	sentinel3a	1003	1008	47	45 161 NE-S	

Sep	1	Sun	stella	1024	1028	35	335	253	NW-W
Sep	1	Sun	lares	1034	1043	41	300	197	NW-S
Sep	1	Sun	ajisai	1040	1049	37	264	171	W -S
Sep	1	Sun	sentinel3b	1104	1110	59	360	219	N -SW
Sep	1	Sun	hy2d	1112	1119	42	168	57	S -NE
Sep	1	Sun	sentinel3a	1143	1147	31	332	257	NW-W
Sep	1	Sun	jason3	1144	1150	30	343	51	N -NE
Sep	1	Sun	lageos1	1203	1246	83	33	229	NE-SW
Sep	1	Sun	sentinel6a	1248	1256	41	343	86	N -E
Sep	1	Sun	hy2d	1259	1306	53	255	27	W -NE
Sep	1	Sun	lares2	1324	1412	81	192	32	S -NE
Sep	1	Sun	jason3	1340	1350	60	333	116	NW-SE
Sep	1	Sun	hy2c	1342	1349	83	325	138	NW-SE
Sep	1	Sun	swarmb	1347	1351	46	227	347	SW-N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 1 Tue	lageos1	0411	0450	55	77 315 E -NW	RS
Jul 1 Tue	saral	0447	0453	61	135 354 SE-N	
Jul 1 Tue	cryosat2	0536	0540	39	44 139 NE-SE	
Jul 1 Tue	hy2b	0553	0559	38	54 154 NE-SE	
Jul 1 Tue	swarma	0600	0602	35	302 213 NW-SW	
Jul 1 Tue	paz	0600	0602	35	76 157 E -SE	
Jul 1 Tue	tandemx	0626	0630	63	26 184 NE-S	
Jul 1 Tue	terrasarx	0626	0630	62	26 184 NE-S	
Jul 1 Tue	icesat2	0637	0640	74	2 188 N -S	
Jul 1 Tue	cryosat2	0715	0719	30	318 240 NW-SW	
Jul 1 Tue	hy2b	0735	0742	45	346 235 N -SW	
Jul 1 Tue	lageos1	0738	0823	81	150 328 SE-NW	
Jul 1 Tue	hy2c	0753	0801	79	208 41 SW-NE	
Jul 1 Tue	stella	0912	0917	38	47 150 NE-SE	
Jul 1 Tue	hy2c	0942	0947	34	296 16 NW-N	
Jul 1 Tue	gracefo1	0947	0952	64	347 191 N -S	
Jul 1 Tue	lares2	1003	1051	72	181 32 S -NE	
Jul 1 Tue	sentinel3b	1010	1016	52	40 172 NE-S	
Jul 1 Tue	sentinel3a	1048	1054	72	9 205 N -SW	
Jul 1 Tue	stella	1052	1057	37	340 243 N -SW	
Jul 1 Tue	swarmb	1129	1133	75	189 356 S -N	
Jul 1 Tue	starlette	1133	1140	36	185 91 S -E	
Jul 1 Tue	hy2d	1239	1243	31	145 70 SE-E	
Jul 1 Tue	starlette	1321	1328	73	243 86 SW-E	
Jul 1 Tue	lares2	1406	1451	55	270 52 W -NE	
Jul 1 Tue	hy2d	1424	1432	66	236 32 SW-NE	
Jul 1 Tue	beaconc	1504	1511	37	207 113 SW-SE	
Jul 1 Tue	hy2c	1507	1515	64	331 125 NW-SE	
Jul 1 Tue	starlette	1510	1518	80	272 104 W -E	
Jul 1 Tue	jason3	1524	1531	34	150 67 SE-NE	
Jul 1 Tue	swot	1545	1552	59	170 29 S -NE	
Jul 1 Tue	larets	1622	1628	65	7 206 N -SW	

OBSERVING SCHEDULE (Times are in U.T.)								
Date		Satellite	Start	End	Elev	Direction	Observer	
Jul 1 Tue		lageos2	1633	1720	76	220 66 SW-NE	VS	
Jul 1 Tue		sentinel6a	1633	1643	70	200 44 S -NE		
Jul 1 Tue		paz	1643	1646	34	110 21 E -N		
Jul 1 Tue		hy2c	1656	1700	32	271 207 W -SW		
Jul 1 Tue		beaconc	1657	1705	42	231 131 SW-SE		
Jul 1 Tue		starlette	1700	1707	48	264 148 W -SE		
Jul 1 Tue		terrasarx	1710	1713	64	140 354 SE-N		
Jul 1 Tue		tandemx	1710	1713	64	141 354 SE-N		
Jul 1 Tue		jason3	1718	1729	75	230 36 SW-NE		
Jul 1 Tue		hy2b	1739	1748	62	184 335 S -NW		
Jul 1 Tue		ajisai	1802	1813	51	208 82 SW-E		
Jul 1 Tue		swarma	1805	1810	55	204 350 SW-N		
Jul 1 Tue		swarmc	1805	1810	45	214 348 SW-N		
Jul 1 Tue		lares2	1815	1903	71	323 129 NW-SE		
Jul 1 Tue		cryosat2	1828	1833	49	214 337 SW-NW		
Jul 1 Tue		lares	1828	1840	84	212 32 SW-NE		
Jul 1 Tue		sentinel6a	1830	1839	44	273 27 W -NE		
Jul 1 Tue		saral	1831	1837	85	16 195 N -S		
Jul 1 Tue		icesat2	1850	1854	33	239 325 SW-NW		
Jul 1 Tue		jason3	1916	1924	33	304 26 NW-NE		
Jul 1 Tue		lageos1	1951	2025	41	44 149 NE-SE		
Jul 1 Tue		hy2d	1952	1958	33	351 81 N -E		
Jul 1 Tue		ajisai	2003	2015	80	255 85 W -E		
Jul 1 Tue		lares	2029	2037	34	286 13 W -N		
Jul 1 Tue		sentinel3a	2033	2039	44	123 3 SE-N		
Jul 1 Tue		stella	2036	2043	82	168 342 S -N		
Jul 1 Tue		lageos2	2037	2126	88	281 110 W -E		
Jul 1 Tue		sentinel3b	2134	2141	63	183 336 S -NW		
Jul 1 Tue		hy2d	2139	2147	79	318 149 NW-SE		
Jul 1 Tue		gracefo1	2159	2202	64	207 348 SW-N		
Jul 1 Tue		ajisai	2205	2216	78	276 112 W -E		
Jul 1 Tue		lares2	2214	2251	44	323 221 NW-SW		
Jul 1 Tue		sentinel3a	2214	2218	31	234 309 SW-NW		
Jul 1 Tue		sentinel6a	2227	2235	36	340 74 N -E		
Jul 1 Tue		swarmb	2251	2254	68	8 170 N -S		
Jul 1 Tue		jason3	2311	2320	47	338 98 N -E		
Jul 1 Tue		lageos1	2323	0006	78	33 236 NE-SW		
Jul 2 Wed		ajisai	0007	0017	43	269 160 W -S		
Jul 2 Wed		sentinel6a	0023	0034	84	323 140 NW-SE		
Jul 2 Wed		lares	0032	0039	32	358 72 N -E		
Jul 2 Wed		lageos2	0041	0121	48	296 186 NW-S		
Jul 2 Wed		swot	0042	0044	26	47 79 NE-E		
Jul 2 Wed		jason3	0106	0116	63	311 166 NW-S		

OBSERVING SCHEDULE (Times are in U.T.)								
Date		Satellite	Start	End	Elev	Direction	Observer	
Jul 2 Wed		larets	0155	0158	31	89 22 E -N		
Jul 2 Wed		sentinel6a	0221	0226	28	275 220 W -SW		
Jul 2 Wed		swot	0224	0231	64	331 181 NW-S		
Jul 2 Wed		lares	0229	0240	79	332 141 NW-SE		

Jul	2	Wed	lageos1	0253	0330	52	57	300	NE-NW	
Jul	2	Wed	larets	0332	0336	38	227	320	SW-NW	
Jul	2	Wed	saral	0416	0420	35	99	16	E -N	
Jul	2	Wed	lares	0429	0435	30	283	220	W -SW	
Jul	2	Wed	swarmc	0520	0524	73	354	182	N -S	
Jul	2	Wed	swarma	0521	0524	81	4	175	N -S	
Jul	2	Wed	saral	0555	0600	39	218	321	SW-NW	MW
Jul	2	Wed	tandemx	0609	0613	42	45	166	NE-S	
Jul	2	Wed	terrasarx	0609	0613	42	46	167	NE-S	
Jul	2	Wed	icesat2	0611	0615	48	29	162	NE-S	
Jul	2	Wed	hy2b	0614	0621	52	34	168	NE-S	
Jul	2	Wed	lageos1	0617	0700	76	121	327	SE-NW	
Jul	2	Wed	cryosat2	0624	0630	71	358	194	N -S	
Jul	2	Wed	paz	0717	0719	31	304	247	NW-SW	
Jul	2	Wed	hy2b	0758	0803	33	339	257	N -W	
Jul	2	Wed	hy2c	0811	0819	68	233	34	SW-NE	
Jul	2	Wed	lares2	0840	0918	48	144	35	SE-NE	
Jul	2	Wed	gracefo1	0916	0920	51	21	160	N -S	
Jul	2	Wed	sentinel3b	0945	0949	33	68	145	E -SE	
Jul	2	Wed	lageos1	0957	1032	42	208	319	SW-NW	
Jul	2	Wed	sentinel3a	1022	1028	66	27	181	NE-S	
Jul	2	Wed	stella	1025	1031	56	358	220	N -SW	
Jul	2	Wed	swarmb	1106	1110	64	163	12	S -N	
Jul	2	Wed	sentinel3b	1124	1129	43	344	237	N -SW	
Jul	2	Wed	starlette	1152	1159	50	213	88	SW-E	
Jul	2	Wed	lares2	1229	1317	68	237	39	SW-NE	
Jul	2	Wed	hy2d	1256	1303	48	178	55	S -NE	
Jul	2	Wed	hy2c	1339	1344	32	355	73	N -E	
Jul	2	Wed	starlette	1341	1349	81	257	89	W -E	
Jul	2	Wed	beaconc	1420	1427	34	196	114	S -SE	
Jul	2	Wed	hy2d	1443	1450	47	259	23	W -NE	
Jul	2	Wed	lageos2	1443	1524	54	184	63	S -NE	
Jul	2	Wed	larets	1523	1526	33	68	138	E -SE	
Jul	2	Wed	hy2c	1526	1533	86	320	146	NW-SE	
Jul	2	Wed	starlette	1530	1538	71	272	116	W -SE	
Jul	2	Wed	jason3	1539	1548	46	169	53	S -NE	
Jul	2	Wed	swot	1546	1553	66	177	24	S -NE	
Jul	2	Wed	beaconc	1612	1621	42	231	122	SW-SE	
Jul	2	Wed	hy2b	1620	1626	39	109	7	E -N	

OBSERVING SCHEDULE (Times are in U.T.)										
Date		Satellite	Start	End	Elev	Direction		Observer		
Jul	2	Wed	lares2	1641	1727	56	313	96	NW-E	TS
Jul	2	Wed	tandemx	1653	1656	42	115	13	SE-N	
Jul	2	Wed	terrasarx	1653	1656	42	114	13	SE-N	
Jul	2	Wed	sentinel6a	1655	1706	82	223	37	SW-NE	
Jul	2	Wed	larets	1700	1704	35	332	242	NW-SW	
Jul	2	Wed	ajisai	1709	1718	39	187	89	S -E	
Jul	2	Wed	starlette	1719	1725	36	260	172	W -S	
Jul	2	Wed	lares	1725	1735	55	176	45	S -NE	
Jul	2	Wed	swarmc	1727	1731	56	161	13	S -N	
Jul	2	Wed	swarma	1728	1731	50	136	18	SE-N	
Jul	2	Wed	jason3	1734	1744	59	251	33	W -NE	
Jul	2	Wed	cryosat2	1737	1743	63	156	4	SE-N	
Jul	2	Wed	paz	1800	1803	33	227	313	SW-NW	
Jul	2	Wed	saral	1801	1806	50	43	164	NE-S	
Jul	2	Wed	hy2b	1803	1809	44	210	321	SW-NW	
Jul	2	Wed	beaconc	1806	1812	32	234	164	SW-S	
Jul	2	Wed	icesat2	1825	1829	59	201	346	S -N	

Jul	2	Wed	lageos2	1841	1930	86	259	85	W	-E
Jul	2	Wed	sentinel6a	1854	1902	36	295	28	NW	-NE
Jul	2	Wed	ajisai	1909	1921	75	242	81	SW	-E
Jul	2	Wed	lares	1923	1933	50	254	20	W	-N
Jul	2	Wed	jason3	1933	1938	30	320	18	NW	-N
Jul	2	Wed	sentinel3a	2009	2012	30	81	24	E	-NE
Jul	2	Wed	stella	2010	2016	61	138	354	SE	-N
Jul	2	Wed	hy2d	2010	2017	44	341	100	N	-E
Jul	2	Wed	lares2	2041	2127	68	328	185	NW	-S
Jul	2	Wed	sentinel3b	2108	2115	80	158	347	S	-N
Jul	2	Wed	ajisai	2111	2123	84	272	101	W	-E
Jul	2	Wed	gracefo1	2127	2131	53	152	10	SE	-N
Jul	2	Wed	lares	2128	2129	25	344	354	N	-N
Jul	2	Wed	jason3	2131	2136	30	350	48	N	-NE
Jul	2	Wed	sentinel3a	2147	2153	48	199	329	S	-NW
Jul	2	Wed	hy2d	2157	2205	52	306	170	NW	-S
Jul	2	Wed	lageos1	2200	2244	79	33	207	NE	-SW
Jul	2	Wed	swarmb	2228	2232	43	27	150	NE	-SE
Jul	2	Wed	lageos2	2246	2333	71	295	149	NW	-SE
Jul	2	Wed	sentinel6a	2250	2259	45	340	94	N	-E
Jul	2	Wed	ajisai	2313	2324	55	273	142	W	-SE
Jul	2	Wed	jason3	2326	2336	58	335	116	NW	-SE
Jul	3	Thu	swot	0042	0046	30	34	100	NE	-E
Jul	3	Thu	sentinel6a	0046	0056	69	313	160	NW	-S
Jul	3	Thu	jason3	0121	0130	47	303	185	NW	-S
Jul	3	Thu	lares	0125	0135	50	344	109	N	-E
Jul	3	Thu	lageos1	0133	0211	55	43	280	NE	-W
Jul	3	Thu	swot	0225	0232	55	324	188	NW	-S
Jul	3	Thu	larets	0230	0235	61	138	356	SE	-N
Jul	3	Thu	lares	0323	0333	55	313	182	NW	-S
Jul	3	Thu	swarmc	0442	0445	36	49	143	NE	-SE
Jul	3	Thu	swarma	0442	0445	31	48	136	NE	-SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer		
Jul	3	Thu	lageos1	0458	0537	61	93 322 E -NW	RS
Jul	3	Thu	saral	0523	0529	71	182 339 S -N	
Jul	3	Thu	cryosat2	0534	0539	42	38 150 NE-SE	
Jul	3	Thu	hy2b	0636	0644	73	23 189 NE-S	
Jul	3	Thu	hy2c	0643	0650	45	172 55 S -NE	
Jul	3	Thu	paz	0659	0703	46	342 219 N -SW	
Jul	3	Thu	lageos1	0829	0911	65	172 327 S -NW	
Jul	3	Thu	hy2c	0830	0837	50	259 26 W -NE	
Jul	3	Thu	sentinel3a	0957	1002	42	55 159 NE-S	
Jul	3	Thu	stella	0958	1005	86	16 197 N -S	
Jul	3	Thu	swarmb	1044	1047	39	120 26 SE-NE	
Jul	3	Thu	lares2	1056	1145	88	205 33 SW-NE	
Jul	3	Thu	sentinel3b	1058	1104	64	1 212 N -SW	
Jul	3	Thu	sentinel3a	1137	1141	34	328 249 NW-W	
Jul	3	Thu	starlette	1211	1219	63	231 83 SW-E	
Jul	3	Thu	lageos2	1303	1325	31	134 75 SE-E	
Jul	3	Thu	hy2d	1314	1322	72	204 43 SW-NE	
Jul	3	Thu	beaconc	1336	1342	30	184 116 S -SE	
Jul	3	Thu	hy2c	1357	1404	42	345 99 N -E	
Jul	3	Thu	starlette	1400	1408	80	267 96 W -E	
Jul	3	Thu	hy2d	1503	1508	35	291 14 W -N	
Jul	3	Thu	lares2	1504	1549	52	292 68 W -E	
Jul	3	Thu	sentinel6a	1523	1532	44	168 56 S -NE	
Jul	3	Thu	beaconc	1527	1536	42	230 120 SW-SE	
Jul	3	Thu	hy2c	1544	1551	57	306 170 NW-S	
Jul	3	Thu	swot	1546	1553	80	190 21 S -N	
Jul	3	Thu	starlette	1549	1557	58	270 131 W -SE	
Jul	3	Thu	jason3	1553	1603	61	190 47 S -NE	
Jul	3	Thu	larets	1558	1604	65	26 185 NE-S	

Jul 3 Thu lares 1624 1630 30 126 63 SE-NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Jul 3 Thu	hy2b	1642	1649	53	125 355 SE-N	VS
Jul 3 Thu	lageos2	1646	1734	81	229 69 SW-E	
Jul 3 Thu	sentinel6a	1718	1729	62	244 34 SW-NE	
Jul 3 Thu	beaconc	1721	1728	35	236 153 SW-SE	
Jul 3 Thu	paz	1743	1746	51	212 327 SW-NW	
Jul 3 Thu	jason3	1749	1758	48	266 27 W -NE	
Jul 3 Thu	icesat2	1759	1803	62	159 2 S -N	
Jul 3 Thu	ajisai	1815	1826	65	227 81 SW-E	
Jul 3 Thu	lares	1818	1829	79	220 29 SW-NE	
Jul 3 Thu	hy2b	1826	1831	31	235 312 SW-NW	
Jul 3 Thu	cryosat2	1826	1831	45	215 333 SW-NW	
Jul 3 Thu	lares2	1909	1958	86	327 153 NW-SE	
Jul 3 Thu	saral	1909	1914	49	344 227 N -SW	
Jul 3 Thu	sentinel6a	1918	1924	31	314 22 NW-N	
Jul 3 Thu	stella	1944	1949	40	108 7 E -N	
Jul 3 Thu	ajisai	2016	2028	84	266 93 W -E	
Jul 3 Thu	lares	2020	2026	32	302 8 NW-N	
Jul 3 Thu	hy2d	2029	2036	61	337 121 NW-SE	
Jul 3 Thu	lageos1	2038	2119	55	37 176 NE-S	
Jul 3 Thu	sentinel3b	2043	2049	51	129 358 SE-N	
Jul 3 Thu	lageos2	2051	2140	88	285 117 W -SE	
Jul 3 Thu	sentinel6a	2117	2123	30	348 54 N -NE	
Jul 3 Thu	sentinel3a	2121	2127	73	172 341 S -N	
Jul 3 Thu	stella	2124	2128	36	227 311 SW-NW	
Jul 3 Thu	jason3	2146	2152	33	351 63 N -NE	
Jul 3 Thu	swarmb	2206	2208	27	64 120 NE-SE	
Jul 3 Thu	hy2d	2217	2222	34	276 197 W -S	
Jul 3 Thu	ajisai	2218	2230	66	278 128 W -SE	
Jul 3 Thu	sentinel3b	2225	2227	26	259 296 W -NW	
Jul 3 Thu	lares2	2311	2332	30	312 257 NW-W	
Jul 3 Thu	sentinel6a	2312	2322	58	331 111 NW-E	
Jul 3 Thu	jason3	2340	2351	73	326 130 NW-SE	
Jul 4 Fri	lageos1	0011	0053	67	35 254 NE-W	
Jul 4 Fri	lares	0021	0029	34	352 78 N -E	
Jul 4 Fri	ajisai	0021	0028	30	258 189 W -S	
Jul 4 Fri	swot	0042	0047	35	21 109 N -E	
Jul 4 Fri	lageos2	0056	0132	42	293 196 NW-S	
Jul 4 Fri	sentinel6a	0109	0118	49	300 182 NW-S	
Jul 4 Fri	jason3	0137	0144	35	286 203 W -SW	
Jul 4 Fri	lares	0218	0230	84	329 148 NW-SE	
Jul 4 Fri	swot	0226	0232	46	315 198 NW-S	
Jul 4 Fri	larets	0306	0311	65	186 335 S -NW	

Jul	4	Fri	lageos1	0339	0416	53	70	312	E	-NW
Jul	4	Fri	saral	0451	0457	63	143	353	SE	-N
Jul	4	Fri	swarmc	0537	0539	35	295	223	NW	-SW
Jul	4	Fri	swarma	0537	0540	41	306	206	NW	-SW

OBSERVING SCHEDULE (Times are in U.T.)											
Date	Satellite	Start	End	Elev	Direction	Observer					
Jul	4	Fri	cryosat2	0622	0628	66	355	198	N	-S	CP
Jul	4	Fri	paz	0642	0646	70	2	202	N	-S	
Jul	4	Fri	icesat2	0654	0657	41	327	223	NW	-SW	
Jul	4	Fri	hy2b	0658	0706	76	12	206	N	-SW	
Jul	4	Fri	hy2c	0701	0708	69	199	46	S	-NE	
Jul	4	Fri	lageos1	0705	0748	89	140	328	SE	-NW	
Jul	4	Fri	terrasarx	0709	0712	39	332	236	NW	-SW	
Jul	4	Fri	tandemx	0709	0712	38	333	237	NW	-SW	
Jul	4	Fri	hy2c	0849	0855	37	280	17	W	-N	
Jul	4	Fri	lares2	0927	1012	65	171	32	S	-NE	
Jul	4	Fri	stella	0932	0938	54	36	174	NE	-S	
Jul	4	Fri	gracefo1	0947	0951	47	330	203	NW	-SW	
Jul	4	Fri	sentinel3b	1032	1038	71	22	190	N	-S	
Jul	4	Fri	starlette	1042	1048	38	194	94	S	-E	
Jul	4	Fri	sentinel3a	1110	1116	52	356	224	N	-SW	
Jul	4	Fri	starlette	1230	1238	73	248	85	W	-E	
Jul	4	Fri	lares2	1326	1412	57	262	47	W	-NE	
Jul	4	Fri	hy2d	1332	1340	74	229	35	SW	-NE	
Jul	4	Fri	hy2c	1415	1423	57	334	118	NW	-SE	
Jul	4	Fri	starlette	1419	1427	74	272	106	W	-E	
Jul	4	Fri	beaconc	1443	1451	41	220	119	SW	-SE	
Jul	4	Fri	lageos2	1455	1538	60	194	63	S	-NE	

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 4 Fri	sentinel6a	1545	1555	63	192 47 S -NE	MW
Jul 4 Fri	swot	1547	1554	84	200 17 S -N	
Jul 4 Fri	hy2c	1603	1609	37	288 192 W -S	
Jul 4 Fri	jason3	1607	1618	81	209 41 SW-NE	
Jul 4 Fri	starlette	1608	1616	45	267 147 W -SE	
Jul 4 Fri	larets	1634	1640	55	359 215 N -SW	
Jul 4 Fri	beaconc	1636	1644	38	238 142 SW-SE	
Jul 4 Fri	hy2b	1703	1711	71	151 348 SE-N	
Jul 4 Fri	lares	1714	1725	62	184 41 S -NE	
Jul 4 Fri	ajisai	1721	1732	54	211 82 SW-E	
Jul 4 Fri	paz	1725	1729	77	172 343 S -N	
Jul 4 Fri	icesat2	1734	1737	37	116 22 SE-N	
Jul 4 Fri	cryosat2	1736	1741	71	156 2 SE-N	
Jul 4 Fri	lares2	1736	1824	66	321 120 NW-SE	
Jul 4 Fri	sentinel6a	1742	1751	47	269 28 W -NE	
Jul 4 Fri	swarmc	1743	1747	53	205 353 SW-N	
Jul 4 Fri	swarma	1743	1747	62	194 356 S -N	
Jul 4 Fri	tandemx	1753	1756	41	225 321 SW-NW	
Jul 4 Fri	terrasarx	1753	1756	41	226 322 SW-NW	
Jul 4 Fri	jason3	1805	1813	40	286 26 W -NE	
Jul 4 Fri	saral	1837	1843	81	13 199 N -S	
Jul 4 Fri	lageos2	1855	1944	85	265 90 W -E	
Jul 4 Fri	hy2d	1901	1905	31	6 69 N -E	
Jul 4 Fri	lares	1913	1923	46	261 20 W -N	
Jul 4 Fri	lageos1	1919	1947	34	51 134 NE-SE	
Jul 4 Fri	ajisai	1922	1934	80	257 86 W -E	
Jul 4 Fri	sentinel3b	2018	2022	34	98 18 E -N	
Jul 4 Fri	hy2d	2047	2055	83	322 142 NW-SE	
Jul 4 Fri	sentinel3a	2055	2101	64	144 354 SE-N	
Jul 4 Fri	stella	2056	2102	58	188 330 S -NW	
Jul 4 Fri	ajisai	2124	2136	76	277 115 W -SE	
Jul 4 Fri	lares2	2135	2215	50	325 211 NW-SW	
Jul 4 Fri	sentinel6a	2139	2147	34	341 71 N -E	
Jul 4 Fri	sentinel3b	2157	2202	42	210 318 SW-NW	
Jul 4 Fri	gracefo1	2158	2201	44	229 338 SW-N	
Jul 4 Fri	jason3	2200	2208	38	341 79 N -E	
Jul 4 Fri	lageos1	2249	2332	85	32 227 NE-SW	
Jul 4 Fri	lageos2	2300	2346	65	296 157 NW-SE	
Jul 4 Fri	swarmb	2317	2320	37	313 221 NW-SW	
Jul 4 Fri	lares	2318	2321	26	6 37 N -NE	
Jul 4 Fri	ajisai	2326	2336	41	269 163 W -S	
Jul 4 Fri	sentinel6a	2335	2346	76	326 133 NW-SE	
Jul 4 Fri	jason3	2355	0006	87	321 145 NW-SE	

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 5 Sat	swot	0042	0048	40	10 118 N -SE	
Jul 5 Sat	lares	0114	0125	55	339 116 N -SE	
Jul 5 Sat	sentinel6a	0132	0139	33	287 208 W -SW	
Jul 5 Sat	jason3	0154	0155	25	258 247 W -SW	
Jul 5 Sat	larets	0205	0210	37	113 7 SE-N	
Jul 5 Sat	lageos1	0220	0257	52	51 294 NE-NW	
Jul 5 Sat	swot	0227	0232	40	306 211 NW-SW	
Jul 5 Sat	lares	0313	0323	49	307 186 NW-S	
Jul 5 Sat	larets	0343	0346	30	233 302 SW-NW	
Jul 5 Sat	saral	0420	0425	38	108 8 E -N	
Jul 5 Sat	swarma	0457	0501	66	8 167 N -S	

Jul	5	Sat	swarmc	0457	0501	68	3	174	N	-S
Jul	5	Sat	cryosat2	0532	0537	45	32	151	NE	-SE
Jul	5	Sat	hy2b	0539	0543	30	70	134	E	-SE
Jul	5	Sat	lageos1	0544	0626	70	111	325	E	-NW
Jul	5	Sat	saral	0600	0604	36	232	316	SW	-NW
Jul	5	Sat	paz	0625	0629	69	31	185	NE	-S
Jul	5	Sat	icesat2	0628	0632	66	359	192	N	-S
Jul	5	Sat	tandemx	0652	0656	59	349	210	N	-SW
Jul	5	Sat	terrasarx	0652	0656	59	348	210	N	-SW
Jul	5	Sat	hy2c	0719	0727	74	225	36	SW	-NE
Jul	5	Sat	hy2b	0721	0728	56	357	222	N	-SW
Jul	5	Sat	lares2	0804	0839	42	133	36	SE	-NE
Jul	5	Sat	stella	0906	0910	34	59	140	NE	-SE
Jul	5	Sat	gracefo1	0915	0919	69	7	174	N	-S
Jul	5	Sat	lageos1	0920	0959	50	195	323	S	-NW
Jul	5	Sat	sentinel3b	1006	1012	48	39	168	NE	-S
Jul	5	Sat	sentinel3a	1044	1051	82	12	201	N	-S
Jul	5	Sat	stella	1045	1051	40	348	234	N	-SW
Jul	5	Sat	starlette	1101	1108	51	212	85	SW	-E
Jul	5	Sat	swarmb	1132	1136	40	228	343	SW	-N
Jul	5	Sat	sentinel3b	1147	1150	30	321	264	NW	-W
Jul	5	Sat	lares2	1150	1238	72	229	37	SW	-NE
Jul	5	Sat	hy2d	1205	1211	42	160	58	S	-NE
Jul	5	Sat	hy2c	1247	1252	30	356	70	N	-E
Jul	5	Sat	starlette	1249	1257	76	260	90	W	-E
Jul	5	Sat	lageos2	1311	1341	36	150	69	SE	-E
Jul	5	Sat	hy2d	1351	1358	52	253	25	W	-NE
Jul	5	Sat	beaconc	1359	1406	39	210	119	SW	-SE
Jul	5	Sat	jason3	1430	1436	31	137	68	SE	-E
Jul	5	Sat	hy2c	1434	1441	83	325	138	NW	-SE
Jul	5	Sat	starlette	1438	1446	68	273	120	W	-SE
Jul	5	Sat	lares2	1533	1538	40	45	158	NE	-S
Jul	5	Sat	swot	1547	1555	70	208	14	SW	-N
Jul	5	Sat	beaconc	1551	1600	40	239	133	SW	-SE

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 5 Sat	lares2	1601	1647	54	308 89 NW-E	RS
Jul 5 Sat	sentinel6a	1607	1618	87	216 39 SW-NE	
Jul 5 Sat	lares	1612	1620	34	144 58 SE-NE	
Jul 5 Sat	jason3	1622	1633	79	226 37 SW-NE	
Jul 5 Sat	starlette	1628	1634	33	253 169 W -S	
Jul 5 Sat	ajisai	1628	1637	42	190 89 S -E	
Jul 5 Sat	lageos2	1700	1748	85	237 72 SW-E	
Jul 5 Sat	swarmc	1704	1708	45	150 17 SE-N	
Jul 5 Sat	swarma	1705	1708	41	123 22 SE-N	
Jul 5 Sat	paz	1708	1712	62	147 357 SE-N	
Jul 5 Sat	hy2b	1725	1733	75	170 340 S -N	
Jul 5 Sat	terrasarx	1735	1739	62	185 336 S -NW	
Jul 5 Sat	tandemx	1735	1739	63	184 335 S -NW	
Jul 5 Sat	sentinel6a	1805	1814	38	284 28 W -NE	
Jul 5 Sat	saral	1805	1811	52	36 172 NE-S	
Jul 5 Sat	lares	1808	1819	72	227 28 SW-NE	
Jul 5 Sat	jason3	1820	1828	34	295 27 NW-NE	
Jul 5 Sat	cryosat2	1825	1829	40	230 328 SW-NW	
Jul 5 Sat	ajisai	1828	1840	76	245 82 SW-E	
Jul 5 Sat	icesat2	1843	1845	30	262 319 W -NW	
Jul 5 Sat	hy2d	1918	1925	40	344 95 N -E	
Jul 5 Sat	lares2	2002	2049	74	328 176 NW-S	
Jul 5 Sat	lares	2010	2016	30	307 11 NW-N	
Jul 5 Sat	stella	2030	2036	79	161 345 S -N	

Jul	5	Sat	ajisai	2030	2042	83	273	103	W	-E
Jul	5	Sat	sentinel3a	2030	2035	42	112	7	E	-N
Jul	5	Sat	lageos2	2104	2154	85	289	124	W	-SE
Jul	5	Sat	hy2d	2105	2113	60	310	163	NW	-S
Jul	5	Sat	lageos1	2126	2210	71	34	198	NE	-S
Jul	5	Sat	gracefo1	2126	2130	70	173	2	S	-N
Jul	5	Sat	sentinel3b	2131	2137	66	183	337	S	-NW
Jul	5	Sat	sentinel6a	2202	2211	41	341	90	N	-E
Jul	5	Sat	sentinel3a	2210	2214	33	227	307	SW	-NW
Jul	5	Sat	jason3	2215	2224	45	340	96	N	-E
Jul	5	Sat	ajisai	2232	2242	53	273	148	W	-SE
Jul	5	Sat	swarmb	2254	2258	59	332	195	NW	-S
Jul	5	Sat	sentinel6a	2358	0008	76	317	153	NW	-SE
Jul	6	Sun	jason3	0010	0020	68	313	162	NW	-S
Jul	6	Sun	lares	0011	0019	36	354	84	N	-E
Jul	6	Sun	swot	0043	0049	45	9	127	N	-SE
Jul	6	Sun	lageos1	0059	0138	58	40	272	NE	-W
Jul	6	Sun	lageos2	0111	0142	36	289	208	W	-SW
Jul	6	Sun	lares	0208	0220	83	326	154	NW	-SE
Jul	6	Sun	swot	0228	0233	34	297	214	NW	-SW
Jul	6	Sun	larets	0241	0246	76	152	350	SE	-N

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Date	Satellite	Start	End	Elev	Direction	Observer	
Jul	6	Sun	lageos1	0425	0504	57	85 318 E -NW
Jul	6	Sun	saral	0527	0533	62	184 336 S -NW
Jul	6	Sun	hy2c	0552	0557	39	153 66 SE-NE
Jul	6	Sun	hy2b	0600	0606	42	47 156 NE-SE
Jul	6	Sun	icesat2	0603	0606	54	41 163 NE-S
Jul	6	Sun	paz	0608	0611	44	57 161 NE-S
Jul	6	Sun	cryosat2	0621	0626	64	346 203 N -SW
Jul	6	Sun	terrasarx	0634	0639	85	15 194 N -S
Jul	6	Sun	tandemx	0635	0639	83	16 194 N -S
Jul	6	Sun	hy2c	0738	0745	56	252 28 W -NE
Jul	6	Sun	hy2b	0743	0749	41	347 243 N -SW
Jul	6	Sun	lageos1	0754	0837	73	161 328 S -NW
Jul	6	Sun	gracefo1	0844	0847	35	48 141 NE-SE
Jul	6	Sun	sentinel3b	0941	0945	31	64 139 NE-SE
Jul	6	Sun	lares2	1017	1106	84	196 33 S -NE
Jul	6	Sun	sentinel3a	1018	1025	63	28 181 NE-S
Jul	6	Sun	stella	1018	1025	65	5 212 N -SW
Jul	6	Sun	swarmb	1109	1113	64	203 355 SW-N
Jul	6	Sun	sentinel3b	1120	1126	44	349 229 N -SW
Jul	6	Sun	starlette	1120	1127	65	232 85 SW-E
Jul	6	Sun	hy2d	1222	1230	63	195 46 S -NE
Jul	6	Sun	hy2c	1305	1311	38	347 87 N -E
Jul	6	Sun	starlette	1308	1316	80	268 98 W -E
Jul	6	Sun	beaconc	1315	1321	35	198 120 S -SE
Jul	6	Sun	hy2d	1410	1416	39	275 16 W -N
Jul	6	Sun	lares2	1424	1509	52	285 62 W -NE
Jul	6	Sun	sentinel6a	1436	1444	39	154 59 SE-NE
Jul	6	Sun	jason3	1443	1452	42	164 54 S -NE
Jul	6	Sun	hy2c	1452	1500	65	311 159 NW-S
Jul	6	Sun	starlette	1458	1505	56	266 135 W -SE
Jul	6	Sun	lageos2	1507	1552	65	203 63 SW-NE
Jul	6	Sun	beaconc	1507	1515	41	232 130 SW-SE
Jul	6	Sun	ajisai	1536	1542	31	161 99 S -E
Jul	6	Sun	swot	1548	1555	64	218 9 SW-N
Jul	6	Sun	hy2b	1606	1611	32	93 13 E -N
Jul	6	Sun	larets	1609	1615	74	18 194 N -S

OBSERVING SCHEDULE (Times are in U.T.)							
Date		Satellite	Start	End	Elev	Direction	Observer
Jul 6 Sun		sentinel6a	1630	1641	68	238 35 SW-NE	TS
Jul 6 Sun		jason3	1637	1647	63	243 31 SW-NE	
Jul 6 Sun		paz	1651	1655	41	125 8 SE-N	
Jul 6 Sun		lares	1704	1715	69	190 38 S -NE	
Jul 6 Sun		tandemx	1718	1722	74	160 350 S -N	
Jul 6 Sun		terrasarx	1718	1722	71	159 350 S -N	
Jul 6 Sun		saral	1734	1738	30	62 137 NE-SE	
Jul 6 Sun		ajisai	1734	1746	67	230 80 SW-E	
Jul 6 Sun		cryosat2	1734	1740	77	163 359 S -N	
Jul 6 Sun		hy2b	1748	1755	56	195 332 S -NW	
Jul 6 Sun		swarma	1800	1802	31	262 327 W -NW	
Jul 6 Sun		icesat2	1816	1820	51	201 343 S -N	
Jul 6 Sun		lares2	1830	1919	80	326 144 NW-SE	
Jul 6 Sun		sentinel6a	1830	1836	32	313 23 NW-NE	
Jul 6 Sun		jason3	1836	1842	31	310 20 NW-N	
Jul 6 Sun		lares	1903	1912	42	269 16 W -N	
Jul 6 Sun		lageos2	1909	1958	85	271 96 W -E	
Jul 6 Sun		saral	1913	1918	45	346 233 N -SW	
Jul 6 Sun		ajisai	1935	1947	86	268 94 W -E	
Jul 6 Sun		hy2d	1937	1944	54	341 115 N -SE	
Jul 6 Sun		stella	2003	2009	55	135 359 SE-N	
Jul 6 Sun		lageos1	2004	2043	48	39 164 NE-S	
Jul 6 Sun		gracefo1	2055	2058	37	115 23 SE-NE	
Jul 6 Sun		sentinel3b	2105	2111	70	153 349 SE-N	
Jul 6 Sun		hy2d	2124	2130	40	292 191 W -S	
Jul 6 Sun		ajisai	2137	2149	64	278 130 W -SE	
Jul 6 Sun		sentinel3a	2143	2149	53	193 329 S -NW	
Jul 6 Sun		stella	2146	2147	25	271 289 W -W	
Jul 6 Sun		sentinel6a	2224	2234	53	333 106 NW-E	
Jul 6 Sun		lares2	2230	2259	35	318 241 NW-SW	
Jul 6 Sun		jason3	2230	2239	55	337 109 NW-E	
Jul 6 Sun		swarmb	2230	2235	82	1 177 N -S	
Jul 6 Sun		lares	2307	2312	27	360 51 N -NE	
Jul 6 Sun		lageos2	2314	2358	60	296 166 NW-S	
Jul 6 Sun		lageos1	2337	0019	72	34 246 NE-SW	
Jul 6 Sun		ajisai	2341	2346	29	250 200 W -S	
Jul 7 Mon		sentinel6a	0020	0030	55	309 175 NW-S	
Jul 7 Mon		jason3	0025	0034	51	304 181 NW-S	
Jul 7 Mon		swot	0043	0050	54	359 136 N -SE	
Jul 7 Mon		lares	0104	0115	60	339 123 N -SE	

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 7 Mon	swot	0229	0233	29	288 225 W -SW	
Jul 7 Mon	lares	0302	0312	44	307 194 NW-S	
Jul 7 Mon	lageos1	0306	0343	52	63 306 NE-NW	
Jul 7 Mon	larets	0317	0322	51	198 329 S -NW	
Jul 7 Mon	saral	0455	0501	70	149 352 SE-N	
Jul 7 Mon	swarmc	0513	0516	44	327 212 NW-SW	
Jul 7 Mon	swarma	0513	0517	48	336 198 NW-S	
Jul 7 Mon	cryosat2	0530	0536	48	27 160 NE-S	
Jul 7 Mon	icesat2	0538	0540	30	83 136 E -SE	
Jul 7 Mon	hy2c	0609	0616	60	190 50 S -NE	
Jul 7 Mon	terrasarx	0617	0621	56	31 171 NE-S	
Jul 7 Mon	tandemx	0618	0622	56	46 177 NE-S	
Jul 7 Mon	hy2b	0622	0629	60	34 177 NE-S	
Jul 7 Mon	lageos1	0631	0714	83	131 328 SE-NW	MW
Jul 7 Mon	hy2c	0757	0803	40	276 19 W -N	
Jul 7 Mon	hy2b	0806	0810	30	329 265 NW-W	
Jul 7 Mon	lares2	0850	0933	59	162 33 S -NE	
Jul 7 Mon	gracefo1	0946	0949	34	318 225 NW-SW	
Jul 7 Mon	starlette	0951	0957	39	191 89 S -E	
Jul 7 Mon	stella	0952	0958	72	22 191 N -S	
Jul 7 Mon	sentinel3a	0953	0958	39	52 154 NE-SE	
Jul 7 Mon	lageos1	1015	1044	35	224 312 SW-NW	
Jul 7 Mon	swarmb	1046	1050	72	166 6 S -N	
Jul 7 Mon	sentinel3b	1054	1100	68	6 210 N -SW	
Jul 7 Mon	sentinel3a	1133	1138	36	335 240 NW-SW	
Jul 7 Mon	starlette	1139	1146	76	249 87 W -E	
Jul 7 Mon	beaconc	1231	1236	32	186 122 S -SE	
Jul 7 Mon	hy2d	1240	1248	81	221 37 SW-NE	
Jul 7 Mon	lares2	1246	1333	60	254 44 W -NE	
Jul 7 Mon	lageos2	1321	1356	42	163 66 S -NE	
Jul 7 Mon	hy2c	1323	1331	51	337 113 NW-SE	
Jul 7 Mon	starlette	1328	1336	77	271 108 W -E	
Jul 7 Mon	beaconc	1422	1431	42	231 122 SW-SE	
Jul 7 Mon	hy2d	1430	1434	30	305 7 NW-N	
Jul 7 Mon	jason3	1457	1507	57	184 48 S -NE	
Jul 7 Mon	sentinel6a	1457	1507	56	184 49 S -NE	
Jul 7 Mon	hy2c	1511	1517	42	292 186 W -S	
Jul 7 Mon	starlette	1517	1524	42	261 152 W -SE	
Jul 7 Mon	swot	1549	1556	55	229 6 SW-N	
Jul 7 Mon	lares	1601	1610	39	153 53 SE-NE	
Jul 7 Mon	beaconc	1616	1623	33	234 155 SW-SE	

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 7 Mon	hy2b	1627	1634	44	117 0 SE-N	AS
Jul 7 Mon	ajisai	1640	1651	56	215 82 SW-E	
Jul 7 Mon	cryosat2	1645	1648	31	97 34 E -NE	
Jul 7 Mon	larets	1646	1650	46	339 230 N -SW	
Jul 7 Mon	sentinel6a	1653	1703	52	258 29 W -NE	

Jul	7	Mon	jason3	1653	1702	51	263	28	W	-NE
Jul	7	Mon	lares2	1656	1744	62	318	112	NW	-E
Jul	7	Mon	terrasarx	1701	1705	49	134	2	SE	-N
Jul	7	Mon	tandemx	1701	1705	50	135	2	SE	-N
Jul	7	Mon	lageos2	1713	1802	88	244	75	SW	-E
Jul	7	Mon	swarma	1720	1724	66	183	2	S	-N
Jul	7	Mon	swarmc	1720	1724	69	194	358	S	-N
Jul	7	Mon	icesat2	1750	1754	74	165	1	S	-N
Jul	7	Mon	lares	1757	1809	65	233	27	SW	-NE
Jul	7	Mon	hy2b	1811	1816	39	223	315	SW	-NW
Jul	7	Mon	cryosat2	1823	1828	38	230	333	SW	-NW
Jul	7	Mon	ajisai	1841	1853	82	259	87	W	-E
Jul	7	Mon	saral	1841	1847	73	10	203	N	-SW
Jul	7	Mon	stella	1938	1942	35	95	14	E	-N
Jul	7	Mon	hy2d	1955	2003	77	327	135	NW	-SE
Jul	7	Mon	sentinel3b	2039	2045	49	128	1	SE	-N
Jul	7	Mon	ajisai	2043	2055	73	277	117	W	-SE
Jul	7	Mon	jason3	2049	2056	32	343	63	N	-NE
Jul	7	Mon	sentinel6a	2051	2058	32	342	62	N	-NE
Jul	7	Mon	lares2	2056	2138	56	326	201	NW	-S
Jul	7	Mon	sentinel3a	2117	2124	83	167	343	S	-N
Jul	7	Mon	stella	2117	2122	41	215	320	SW	-NW
Jul	7	Mon	lageos2	2118	2207	81	291	132	W	-SE
Jul	7	Mon	hy2d	2145	2146	25	247	232	SW	-SW
Jul	7	Mon	gracefo1	2157	2200	32	243	330	SW	-NW
Jul	7	Mon	swarmb	2208	2211	51	35	152	NE	-SE
Jul	7	Mon	lageos1	2214	2259	87	32	218	NE	-SW
Jul	7	Mon	sentinel3b	2221	2224	28	253	306	W	-NW
Jul	7	Mon	jason3	2244	2255	69	328	126	NW	-SE
Jul	7	Mon	ajisai	2246	2254	39	262	172	W	-S
Jul	7	Mon	sentinel6a	2247	2257	69	329	125	NW	-SE
Jul	8	Tue	lares	0000	0009	39	348	91	N	-E
Jul	8	Tue	jason3	0041	0048	38	287	199	W	-S
Jul	8	Tue	swot	0044	0051	63	356	145	N	-SE
Jul	8	Tue	sentinel6a	0044	0052	37	290	196	W	-S
Jul	8	Tue	lageos2	0127	0151	31	283	222	W	-SW
Jul	8	Tue	lageos1	0147	0224	53	46	287	NE	-W
Jul	8	Tue	lares	0158	0209	76	322	161	NW	-S
Jul	8	Tue	larets	0216	0221	45	122	2	SE	-N
Jul	8	Tue	swot	0231	0232	25	265	250	W	-W
Jul	8	Tue	saral	0424	0429	41	116	10	SE	-N
Jul	8	Tue	swarma	0434	0438	51	17	160	N	-S
Jul	8	Tue	swarmc	0434	0438	57	13	167	N	-S

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Date	Satellite	Start	End	Elev	Direction	Observer		
Jul	8	Tue	lageos1	0511	0551	65	102 324 E -NW	RS
Jul	8	Tue	tandemx	0601	0604	36	65 153 NE-SE	
Jul	8	Tue	terrasarx	0601	0604	36	67 154 NE-SE	
Jul	8	Tue	saral	0604	0608	33	228 309 SW-NW	
Jul	8	Tue	cryosat2	0619	0624	59	345 208 N -SW	
Jul	8	Tue	hy2c	0627	0635	78	217 39 SW-NE	
Jul	8	Tue	hy2b	0644	0651	84	20 194 N -S	
Jul	8	Tue	icesat2	0645	0649	37	330 218 NW-SW	
Jul	8	Tue	paz	0707	0711	38	342 230 N -SW	
Jul	8	Tue	lares2	0729	0759	37	121 40 SE-NE	
Jul	8	Tue	hy2c	0817	0821	31	308 11 NW-N	
Jul	8	Tue	lageos1	0844	0925	57	183 325 S -NW	
Jul	8	Tue	gracefo1	0914	0918	66	352 189 N -S	
Jul	8	Tue	stella	0926	0931	49	48 166 NE-S	
Jul	8	Tue	starlette	1009	1016	53	220 87 SW-E	
Jul	8	Tue	swarmb	1023	1026	45	135 26 SE-NE	
Jul	8	Tue	sentinel3b	1028	1034	73	23 186 NE-S	
Jul	8	Tue	stella	1106	1110	30	326 255 NW-W	

Jul	8	Tue	sentinel3a	1107	1112	57	352	223	N	-SW
Jul	8	Tue	lares2	1110	1159	78	220	35	SW	-NE
Jul	8	Tue	hy2d	1113	1119	36	154	61	SE	-NE
Jul	8	Tue	starlette	1158	1206	82	261	91	W	-E
Jul	8	Tue	hy2d	1259	1306	59	247	28	SW	-NE
Jul	8	Tue	beaconc	1338	1346	41	222	120	SW	-SE
Jul	8	Tue	hy2c	1342	1349	74	330	131	NW	-SE
Jul	8	Tue	starlette	1347	1355	66	271	121	W	-SE
Jul	8	Tue	swot	1407	1411	33	123	52	SE	-NE
Jul	8	Tue	jason3	1511	1522	76	204	42	SW	-NE
Jul	8	Tue	sentinel6a	1519	1530	80	208	41	SW	-NE
Jul	8	Tue	lageos2	1520	1606	71	212	64	SW	-NE
Jul	8	Tue	lares2	1521	1606	52	303	80	NW	-E
Jul	8	Tue	beaconc	1531	1538	36	237	152	SW	-SE
Jul	8	Tue	starlette	1537	1542	30	245	175	SW	-S
Jul	8	Tue	larets	1544	1549	50	38	167	NE	-S
Jul	8	Tue	ajisai	1547	1557	44	194	83	S	-E
Jul	8	Tue	swot	1550	1556	46	240	359	SW	-N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer		
Jul	8	Tue	swarmc	1641	1644	38	138 32 SE-NE	VS
Jul	8	Tue	swarma	1642	1644	33	109 39 E -NE	
Jul	8	Tue	terrasarx	1645	1648	33	90 11 E -N	
Jul	8	Tue	tandemx	1645	1648	34	92 12 E -N	
Jul	8	Tue	hy2b	1649	1656	61	135 354 SE-N	
Jul	8	Tue	lares	1653	1704	76	199 36 S -NE	
Jul	8	Tue	jason3	1708	1717	42	276 27 W -NE	
Jul	8	Tue	sentinel6a	1717	1726	41	281 29 W -NE	
Jul	8	Tue	icesat2	1725	1728	39	125 23 SE-NE	
Jul	8	Tue	cryosat2	1732	1738	77	169 357 S -N	
Jul	8	Tue	ajisai	1747	1759	77	247 83 SW-E	
Jul	8	Tue	paz	1751	1755	40	214 328 SW-NW	
Jul	8	Tue	saral	1809	1815	58	31 174 NE-S	
Jul	8	Tue	hy2d	1827	1832	36	358 82 N -E	
Jul	8	Tue	lares	1853	1902	39	276 18 W -N	
Jul	8	Tue	lageos2	1923	2012	86	276 102 W -E	
Jul	8	Tue	lares2	1923	2011	81	328 168 NW-S	
Jul	8	Tue	ajisai	1949	2001	81	274 105 W -E	
Jul	8	Tue	hy2d	2013	2021	69	314 156 NW-SE	
Jul	8	Tue	sentinel3b	2015	2019	32	84 12 E -N	
Jul	8	Tue	stella	2050	2056	64	185 336 S -NW	
Jul	8	Tue	lageos1	2052	2135	63	35 188 NE-S	
Jul	8	Tue	sentinel3a	2052	2058	62	135 354 SE-N	
Jul	8	Tue	jason3	2104	2112	36	343 78 N -E	
Jul	8	Tue	sentinel6a	2114	2122	38	343 80 N -E	
Jul	8	Tue	gracefo1	2125	2129	64	198 354 S -N	
Jul	8	Tue	swarmb	2145	2148	32	53 135 NE-SE	
Jul	8	Tue	ajisai	2151	2201	50	273 152 W -SE	
Jul	8	Tue	sentinel3b	2153	2159	44	203 326 SW-NW	
Jul	8	Tue	lares	2257	2302	28	3 56 N -NE	
Jul	8	Tue	jason3	2259	2310	85	323 141 NW-SE	

Jul	8	Tue	sentinel6a	2310	2320	82	320	146	NW-SE
Jul	8	Tue	lageos2	2328	0010	54	296	176	NW-S
Jul	9	Wed	lageos1	0025	0105	62	37	264	NE-W
Jul	9	Wed	swot	0045	0052	71	352	153	N -SE
Jul	9	Wed	lares	0053	0105	66	335	130	NW-SE
Jul	9	Wed	jason3	0057	0101	27	268	224	W -SW
Jul	9	Wed	lares	0252	0301	39	301	202	NW-S
Jul	9	Wed	larets	0252	0257	86	167	344	S -N
Jul	9	Wed	lageos1	0352	0430	55	77	315	E -NW
Jul	9	Wed	hy2c	0500	0505	33	148	69	SE-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Jul	9	Wed	cryosat2	0529	0534	54	33	162	NE-S	TS
Jul	9	Wed	saral	0531	0537	60	186	332	S -NW	
Jul	9	Wed	icesat2	0619	0623	71	357	196	N -S	
Jul	9	Wed	hy2c	0646	0653	63	245	30	SW-NE	
Jul	9	Wed	paz	0650	0654	56	355	212	N -SW	
Jul	9	Wed	hy2b	0706	0713	70	6	212	N -SW	
Jul	9	Wed	terrasarx	0718	0720	31	313	252	NW-W	
Jul	9	Wed	tandemx	0718	0721	31	315	238	NW-SW	
Jul	9	Wed	lageos1	0719	0803	81	150	328	SE-NW	
Jul	9	Wed	gracefo1	0843	0846	50	38	155	NE-SE	
Jul	9	Wed	stella	0900	0903	30	71	130	E -SE	
Jul	9	Wed	lares2	0939	1027	77	187	32	S -NE	
Jul	9	Wed	sentinel3b	1003	1008	46	50	163	NE-S	
Jul	9	Wed	starlette	1028	1035	67	238	86	SW-E	
Jul	9	Wed	stella	1039	1044	46	345	232	N -SW	
Jul	9	Wed	sentinel3a	1040	1047	83	15	198	N -S	
Jul	9	Wed	hy2d	1130	1138	55	187	48	S -NE	
Jul	9	Wed	sentinel3b	1143	1147	31	328	253	NW-W	
Jul	9	Wed	hy2c	1213	1219	35	349	83	N -E	
Jul	9	Wed	starlette	1217	1225	79	269	99	W -E	
Jul	9	Wed	beaconc	1254	1301	39	212	119	SW-SE	
Jul	9	Wed	hy2d	1318	1325	43	271	26	W -NE	
Jul	9	Wed	lageos2	1332	1411	48	174	63	S -NE	
Jul	9	Wed	lares2	1343	1429	53	277	56	W -NE	
Jul	9	Wed	sentinel6a	1348	1355	34	149	68	SE-E	
Jul	9	Wed	hy2c	1400	1408	74	315	152	NW-SE	
Jul	9	Wed	starlette	1406	1414	53	269	136	W -SE	
Jul	9	Wed	swot	1407	1412	39	138	45	SE-NE	
Jul	9	Wed	beaconc	1447	1454	38	230	141	SW-SE	
Jul	9	Wed	ajisai	1454	1502	33	173	92	S -E	
Jul	9	Wed	jason3	1526	1537	83	222	38	SW-NE	
Jul	9	Wed	sentinel6a	1542	1553	74	231	36	SW-NE	
Jul	9	Wed	lares	1550	1600	44	162	48	S -NE	
Jul	9	Wed	swot	1551	1557	40	251	358	W -N	
Jul	9	Wed	larets	1620	1626	71	9	203	N -SW	

OBSERVING SCHEDULE (Times are in U.T.)							
Date		Satellite	Start	End	Elev	Direction	Observer
Jul 9 Wed		cryosat2	1643	1647	33	104 23 E -NE	MW
Jul 9 Wed		ajisai	1653	1705	69	234 80 SW-E	
Jul 9 Wed		hy2b	1711	1718	83	157 346 SE-N	
Jul 9 Wed		jason3	1724	1731	36	294 20 NW-N	
Jul 9 Wed		lageos2	1727	1816	88	251 80 W -E	
Jul 9 Wed		paz	1734	1738	63	192 339 S -N	
Jul 9 Wed		swarmc	1736	1739	34	241 335 SW-NW	
Jul 9 Wed		swarma	1736	1739	39	231 336 SW-NW	
Jul 9 Wed		saral	1739	1743	33	72 147 E -SE	
Jul 9 Wed		sentinel6a	1741	1748	34	301 23 NW-NE	
Jul 9 Wed		lares	1747	1758	60	240 24 SW-NE	
Jul 9 Wed		lares2	1751	1840	75	325 136 NW-SE	
Jul 9 Wed		terrasarx	1802	1804	32	249 309 W -NW	
Jul 9 Wed		tandemx	1802	1804	32	246 307 SW-NW	
Jul 9 Wed		cryosat2	1821	1826	35	229 330 SW-NW	
Jul 9 Wed		hy2d	1845	1852	48	345 109 N -E	
Jul 9 Wed		ajisai	1855	1907	85	269 96 W -E	
Jul 9 Wed		saral	1917	1923	41	349 232 N -SW	
Jul 9 Wed		lageos1	1931	2005	41	44 149 NE-SE	
Jul 9 Wed		stella	2023	2029	75	154 349 SE-N	
Jul 9 Wed		sentinel3a	2026	2031	39	114 11 SE-N	
Jul 9 Wed		hy2d	2032	2039	46	297 178 NW-S	
Jul 9 Wed		gracefo1	2053	2057	50	152 13 SE-N	
Jul 9 Wed		ajisai	2056	2108	62	278 133 W -SE	
Jul 9 Wed		jason3	2119	2127	43	342 88 N -E	
Jul 9 Wed		sentinel3b	2127	2133	70	177 338 S -N	
Jul 9 Wed		lageos2	2132	2221	76	294 140 NW-SE	
Jul 9 Wed		sentinel6a	2136	2146	48	335 101 NW-E	
Jul 9 Wed		lares2	2150	2224	40	321 229 NW-SW	
Jul 9 Wed		sentinel3a	2206	2211	36	220 317 SW-NW	
Jul 9 Wed		swarmb	2257	2259	32	289 230 W -SW	
Jul 9 Wed		ajisai	2301	2305	27	241 202 SW-S	
Jul 9 Wed		lageos1	2303	2346	78	33 237 NE-SW	
Jul 9 Wed		jason3	2314	2324	72	315 157 NW-SE	
Jul 9 Wed		sentinel6a	2332	2343	62	311 166 NW-S	
Jul 9 Wed		lares	2350	2359	43	350 97 N -E	
Jul 10 Thu		swot	0045	0052	80	344 160 N -S	
Jul 10 Thu		lageos2	0146	0156	25	269 245 W -SW	
Jul 10 Thu		lares	0147	0158	68	320 168 NW-S	
Jul 10 Thu		larets	0152	0155	29	85 23 E -NE	
Jul 10 Thu		lageos1	0233	0310	52	57 301 NE-NW	
Jul 10 Thu		larets	0328	0333	41	208 323 SW-NW	
Jul 10 Thu		swarma	0450	0454	62	342 189 N -S	
Jul 10 Thu		swarmc	0450	0453	56	331 200 NW-S	

OBSERVING SCHEDULE (Times are in U.T.)							
Date		Satellite	Start	End	Elev	Direction	Observer

Jul 10 Thu	saral	0500	0506	76	152 349	SE-N	CP
Jul 10 Thu	hy2c	0517	0524	52	182 53	S -NE	
Jul 10 Thu	hy2b	0546	0551	34	62 144	NE-SE	
Jul 10 Thu	icesat2	0554	0558	58	32 171	NE-S	
Jul 10 Thu	lageos1	0557	0640	76	121 327	SE-NW	
Jul 10 Thu	cryosat2	0617	0622	53	344 213	N -SW	
Jul 10 Thu	paz	0633	0637	66	16 193	N -S	
Jul 10 Thu	tandemx	0700	0704	46	349 222	N -SW	
Jul 10 Thu	terrasarx	0700	0704	46	347 221	N -SW	
Jul 10 Thu	hy2c	0705	0711	44	271 21	W -N	
Jul 10 Thu	hy2b	0728	0735	51	356 228	N -SW	
Jul 10 Thu	lares2	0813	0854	53	152 34	SE-NE	
Jul 10 Thu	starlette	0859	0905	41	201 92	S -E	
Jul 10 Thu	lageos1	0937	1012	42	209 319	SW-NW	
Jul 10 Thu	stella	1012	1018	68	7 208	N -SW	
Jul 10 Thu	sentinel3a	1015	1021	58	36 177	NE-S	
Jul 10 Thu	starlette	1047	1055	74	253 87	W -E	
Jul 10 Thu	swarmb	1112	1115	35	253 338	W -N	
Jul 10 Thu	sentinel3b	1116	1122	48	354 228	N -SW	
Jul 10 Thu	hy2d	1148	1156	80	213 40	SW-NE	
Jul 10 Thu	lares2	1206	1253	64	245 41	SW-NE	
Jul 10 Thu	beaconc	1209	1216	36	211 120	SW-SE	
Jul 10 Thu	hy2c	1231	1238	46	340 102	N -E	
Jul 10 Thu	starlette	1236	1244	71	273 111	W -E	
Jul 10 Thu	hy2d	1338	1343	32	303 19	NW-N	
Jul 10 Thu	jason3	1347	1355	39	160 61	S -NE	
Jul 10 Thu	beaconc	1402	1410	40	232 132	SW-SE	
Jul 10 Thu	swot	1407	1413	45	153 38	SE-NE	
Jul 10 Thu	sentinel6a	1409	1419	50	178 52	S -NE	
Jul 10 Thu	hy2c	1419	1426	49	296 174	NW-S	
Jul 10 Thu	starlette	1426	1432	40	254 158	W -S	
Jul 10 Thu	larets	1520	1523	30	72 137	E -SE	

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 10 Thu	lageos2	1533	1620	76	220 66	SW-NE AS
Jul 10 Thu	jason3	1541	1551	66	239 33	SW-NE
Jul 10 Thu	swot	1552	1557	35	262 350	W -N
Jul 10 Thu	ajisai	1559	1610	58	218 82	SW-E
Jul 10 Thu	sentinel6a	1605	1615	56	252 30	W -NE
Jul 10 Thu	lares2	1617	1704	58	315 103	NW-E
Jul 10 Thu	lares	1643	1654	84	206 34	SW-NE
Jul 10 Thu	larets	1657	1701	38	332 238	NW-SW
Jul 10 Thu	swarma	1657	1701	72	168 6	S -N
Jul 10 Thu	swarmc	1657	1700	87	180 3	S -N
Jul 10 Thu	paz	1716	1721	80	160 349	S -N
Jul 10 Thu	cryosat2	1730	1736	74	174 355	S -N

Jul 10 Thu	hy2b	1733	1740	71	179	336	S -NW
Jul 10 Thu	jason3	1740	1746	31	311	21	NW-N
Jul 10 Thu	tandemx	1744	1748	49	203	332	SW-NW
Jul 10 Thu	terrasarx	1744	1748	50	205	333	SW-NW
Jul 10 Thu	ajisai	1800	1812	84	261	89	W -E
Jul 10 Thu	sentinel6a	1805	1811	30	319	26	NW-NE
Jul 10 Thu	icesat2	1807	1811	51	202	339	S -N
Jul 10 Thu	lares	1843	1851	36	283	13	W -N
Jul 10 Thu	saral	1845	1852	74	8	206	N -SW
Jul 10 Thu	hy2d	1903	1911	69	331	129	NW-SE
Jul 10 Thu	lageos2	1937	2026	88	281	109	W -E
Jul 10 Thu	stella	1957	2003	48	124	359	SE-N
Jul 10 Thu	ajisai	2002	2014	72	278	120	W -SE
Jul 10 Thu	sentinel6a	2003	2010	31	342	60	N -NE
Jul 10 Thu	lares2	2017	2101	63	327	192	NW-S
Jul 10 Thu	sentinel3b	2101	2107	71	150	352	SE-N
Jul 10 Thu	jason3	2133	2143	52	333	106	NW-E
Jul 10 Thu	stella	2138	2141	29	243	299	SW-NW
Jul 10 Thu	lageos1	2140	2224	79	33	208	NE-SW
Jul 10 Thu	sentinel3a	2140	2146	57	196	334	S -NW
Jul 10 Thu	sentinel6a	2159	2209	63	331	119	NW-SE
Jul 10 Thu	ajisai	2205	2213	37	262	175	W -S
Jul 10 Thu	swarmb	2233	2237	49	331	201	NW-S
Jul 10 Thu	lares	2246	2252	30	357	61	N -NE
Jul 10 Thu	jason3	2329	2339	55	306	172	NW-S
Jul 10 Thu	lageos2	2342	0022	48	295	185	NW-S
Jul 10 Thu	sentinel6a	2355	0004	43	300	190	NW-S
Jul 11 Fri	lares	0043	0054	73	334	135	NW-SE
Jul 11 Fri	swot	0046	0053	82	338	168	N -S
Jul 11 Fri	lageos1	0113	0151	55	43	280	NE-W
Jul 11 Fri	larets	0227	0232	56	132	357	SE-N
Jul 11 Fri	lares	0242	0250	34	295	211	NW-SW
Jul 11 Fri	swarmc	0411	0414	52	28	153	NE-SE
Jul 11 Fri	swarma	0411	0414	43	30	144	NE-SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 11 Fri	saral	0429	0434	43	110 3 E -N	MW
Jul 11 Fri	lageos1	0438	0517	61	93 322 E -NW	
Jul 11 Fri	cryosat2	0527	0532	59	26 165 NE-S	
Jul 11 Fri	icesat2	0529	0531	31	75 134 E -SE	
Jul 11 Fri	hy2c	0535	0543	74	208 42 SW-NE	
Jul 11 Fri	hy2b	0607	0614	48	40 165 NE-S	
Jul 11 Fri	saral	0609	0612	31	242 302 SW-NW	
Jul 11 Fri	paz	0616	0620	53	40 175 NE-S	
Jul 11 Fri	tandemx	0643	0647	67	5 203 N -SW	
Jul 11 Fri	terrasarx	0643	0647	64	5 203 N -SW	
Jul 11 Fri	lares2	0654	0719	32	109 44 E -NE	
Jul 11 Fri	hy2c	0724	0729	34	292 13 W -N	
Jul 11 Fri	hy2b	0751	0756	37	337 250 NW-W	
Jul 11 Fri	lageos1	0809	0851	65	172 327 S -NW	
Jul 11 Fri	gracefo1	0913	0917	47	337 202 NW-S	
Jul 11 Fri	starlette	0918	0925	55	220 84 SW-E	
Jul 11 Fri	stella	0945	0952	70	25 186 NE-S	
Jul 11 Fri	sentinel3a	0949	0954	36	50 148 NE-SE	
Jul 11 Fri	hy2d	1022	1026	31	136 73 SE-E	
Jul 11 Fri	lares2	1031	1120	84	211 34 SW-NE	
Jul 11 Fri	swarmb	1048	1052	53	207 350 SW-N	
Jul 11 Fri	sentinel3b	1050	1057	75	9 205 N -SW	
Jul 11 Fri	starlette	1106	1114	76	263 93 W -E	
Jul 11 Fri	beaconc	1125	1131	33	200 122 S -SE	
Jul 11 Fri	sentinel3a	1129	1134	39	341 241 N -SW	

Jul 11 Fri	hy2d	1207	1214	67	239	31	SW-NE
Jul 11 Fri	hy2c	1250	1257	65	335	124	NW-SE
Jul 11 Fri	starlette	1255	1303	62	273	125	W -SE
Jul 11 Fri	beaconc	1317	1325	40	233	129	SW-SE
Jul 11 Fri	lageos2	1344	1425	53	183	62	S -NE
Jul 11 Fri	jason3	1401	1411	53	179	49	S -NE
Jul 11 Fri	swot	1407	1414	54	167	32	S -NE
Jul 11 Fri	sentinel6a	1431	1442	72	201	43	S -NE
Jul 11 Fri	hy2c	1438	1443	32	276	201	W -S
Jul 11 Fri	lares2	1441	1526	52	297	73	NW-E
Jul 11 Fri	ajisai	1506	1516	46	197	83	S -E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 11 Fri	lares	1539	1549	50	171 48 S -NE	TS
Jul 11 Fri	swot	1553	1557	31	271 339 W -N	
Jul 11 Fri	larets	1555	1600	61	30 177 NE-S	
Jul 11 Fri	jason3	1556	1606	53	255 30 W -NE	
Jul 11 Fri	hy2b	1613	1618	36	101 15 E -N	
Jul 11 Fri	swarmc	1618	1621	32	123 32 SE-NE	
Jul 11 Fri	sentinel6a	1629	1638	44	277 29 W -NE	
Jul 11 Fri	cryosat2	1641	1645	35	110 23 E -NE	
Jul 11 Fri	paz	1700	1703	52	120 5 SE-N	
Jul 11 Fri	ajisai	1706	1718	78	250 84 W -E	
Jul 11 Fri	tandemx	1727	1731	75	175 344 S -N	
Jul 11 Fri	terrasarx	1727	1731	78	175 344 S -N	
Jul 11 Fri	hy2d	1735	1740	33	360 79 N -E	
Jul 11 Fri	lares	1737	1748	54	248 24 W -NE	
Jul 11 Fri	lageos2	1741	1830	86	258 84 W -E	
Jul 11 Fri	icesat2	1742	1746	81	165 357 S -N	
Jul 11 Fri	hy2b	1755	1802	50	198 327 S -NW	
Jul 11 Fri	saral	1814	1820	62	32 180 NE-S	
Jul 11 Fri	cryosat2	1820	1824	32	245 325 SW-NW	
Jul 11 Fri	lares2	1844	1933	87	327 159 NW-S	
Jul 11 Fri	ajisai	1908	1920	79	275 108 W -E	
Jul 11 Fri	hy2d	1921	1929	76	318 149 NW-SE	
Jul 11 Fri	stella	1931	1935	32	98 22 E -N	
Jul 11 Fri	jason3	1953	1959	31	344 54 N -NE	
Jul 11 Fri	lageos1	2018	2059	56	37 176 NE-S	
Jul 11 Fri	sentinel6a	2026	2034	36	344 77 N -E	
Jul 11 Fri	sentinel3b	2036	2041	46	117 5 SE-N	
Jul 11 Fri	ajisai	2110	2120	48	273 155 W -SE	
Jul 11 Fri	stella	2110	2116	45	204 327 SW-NW	
Jul 11 Fri	sentinel3a	2113	2120	84	163 345 S -N	
Jul 11 Fri	gracefo1	2124	2127	47	221 338 SW-N	
Jul 11 Fri	lageos2	2146	2234	71	295 148 NW-SE	
Jul 11 Fri	jason3	2148	2158	65	330 121 NW-SE	
Jul 11 Fri	swarmb	2210	2214	72	355 182 N -S	
Jul 11 Fri	sentinel3b	2217	2220	30	246 304 SW-NW	
Jul 11 Fri	sentinel6a	2221	2232	81	323 139 NW-SE	
Jul 11 Fri	lares2	2249	2302	26	305 272 NW-W	
Jul 11 Fri	swot	2305	2306	25	60 75 NE-E	

Jul 11 Fri	lares	2339	2349	46	345 104	N -E
Jul 11 Fri	jason3	2344	2352	41	296 195	NW-S
Jul 11 Fri	lageos1	2351	0033	66	35 254	NE-W
Jul 12 Sat	sentinel6a	0020	0024	28	270 225	W -SW
Jul 12 Sat	swot	0047	0054	68	330 175	NW-S
Jul 12 Sat	lares	0137	0148	62	316 174	NW-S
Jul 12 Sat	larets	0303	0308	70	181 338	S -N
Jul 12 Sat	lageos1	0319	0356	53	70 312	E -NW
Jul 12 Sat	swarma	0506	0508	31	304 237	NW-SW

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 12 Sat	saral	0536	0542	55	196 333	S -NW
Jul 12 Sat	hy2c	0553	0601	71	232 33	SW-NE
Jul 12 Sat	paz	0559	0602	35	59 149	NE-SE
Jul 12 Sat	cryosat2	0615	0621	48	344 212	N -SW
Jul 12 Sat	tandemx	0626	0630	62	26 184	NE-S
Jul 12 Sat	terrasarx	0626	0630	61	27 184	NE-S
Jul 12 Sat	hy2b	0629	0636	67	28 182	NE-S
Jul 12 Sat	icesat2	0637	0640	35	306 222	NW-SW
Jul 12 Sat	lageos1	0645	0728	89	141 328	SE-NW
Jul 12 Sat	starlette	0750	0754	30	168 101	S -E
Jul 12 Sat	gracefo1	0841	0845	70	9 171	N -S
Jul 12 Sat	lares2	0901	0948	71	179 32	S -NE
Jul 12 Sat	stella	0919	0924	43	46 156	NE-SE
Jul 12 Sat	starlette	0937	0944	68	239 85	SW-E
Jul 12 Sat	sentinel3b	1024	1031	69	25 185	NE-S
Jul 12 Sat	swarmb	1025	1029	67	177 3	S -N
Jul 12 Sat	hy2d	1039	1045	48	171 57	S -NE
Jul 12 Sat	stella	1059	1103	33	335 256	NW-W
Jul 12 Sat	sentinel3a	1103	1109	59	357 216	N -SW
Jul 12 Sat	hy2c	1122	1126	32	4 69	N -E
Jul 12 Sat	starlette	1126	1133	79	269 101	W -E
Jul 12 Sat	lageos2	1203	1226	30	134 74	SE-E
Jul 12 Sat	hy2d	1226	1233	47	266 27	W -NE
Jul 12 Sat	beaconc	1233	1240	40	225 127	SW-SE
Jul 12 Sat	lares2	1303	1349	55	269 51	W -NE
Jul 12 Sat	hy2c	1308	1316	80	320 145	NW-SE
Jul 12 Sat	starlette	1315	1322	50	263 141	W -SE
Jul 12 Sat	swot	1408	1415	64	174 26	S -NE
Jul 12 Sat	ajisai	1413	1421	35	176 92	S -E
Jul 12 Sat	jason3	1415	1426	71	200 43	S -NE
Jul 12 Sat	beaconc	1427	1433	32	226 154	SW-SE
Jul 12 Sat	sentinel6a	1454	1505	81	224 38	SW-NE

OBSERVING SCHEDULE		(Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction			Observer
Jul 12 Sat	lageos2	1547	1634	81	228	69	SW-E	AS
Jul 12 Sat	jason3	1612	1621	44	274	29	W -NE	
Jul 12 Sat	ajisai	1612	1624	70	237	81	SW-E	
Jul 12 Sat	larets	1631	1637	60	2	211	N -SW	
Jul 12 Sat	lares	1632	1644	82	213	32	SW-NE	
Jul 12 Sat	hy2b	1634	1641	49	125	0	SE-N	
Jul 12 Sat	paz	1643	1646	34	99	15	E -N	
Jul 12 Sat	sentinel6a	1652	1700	36	291	24	W -NE	
Jul 12 Sat	tandemx	1710	1714	64	140	354	SE-N	
Jul 12 Sat	terrasarx	1710	1714	65	138	354	SE-N	
Jul 12 Sat	lares2	1712	1800	69	323	127	NW-SE	
Jul 12 Sat	swarma	1713	1716	48	231	346	SW-N	
Jul 12 Sat	swarmc	1713	1716	40	246	343	SW-N	
Jul 12 Sat	icesat2	1716	1720	41	131	12	SE-N	
Jul 12 Sat	cryosat2	1728	1734	80	179	353	S -N	
Jul 12 Sat	saral	1743	1747	35	63	146	NE-SE	
Jul 12 Sat	hy2d	1753	1759	43	348	97	N -E	
Jul 12 Sat	ajisai	1814	1826	84	270	98	W -E	
Jul 12 Sat	hy2b	1818	1824	35	223	318	SW-NW	
Jul 12 Sat	lares	1833	1841	34	289	15	W -N	
Jul 12 Sat	lageos1	1859	1927	34	51	134	NE-SE	
Jul 12 Sat	saral	1922	1927	39	338	237	N -SW	
Jul 12 Sat	hy2d	1940	1947	53	301	171	NW-S	
Jul 12 Sat	lageos2	1951	2040	88	285	116	W -SE	
Jul 12 Sat	jason3	2008	2015	35	345	70	N -E	
Jul 12 Sat	sentinel3b	2011	2015	30	88	16	E -N	
Jul 12 Sat	ajisai	2016	2027	60	275	136	W -SE	
Jul 12 Sat	stella	2043	2049	73	175	338	S -N	
Jul 12 Sat	sentinel6a	2048	2058	44	336	97	NW-E	
Jul 12 Sat	sentinel3a	2048	2054	56	134	356	SE-N	
Jul 12 Sat	gracefo1	2052	2056	62	170	4	S -N	
Jul 12 Sat	lares2	2111	2148	46	323	219	NW-SW	
Jul 12 Sat	swarmb	2147	2151	57	23	163	NE-S	
Jul 12 Sat	sentinel3b	2150	2155	48	209	325	SW-NW	
Jul 12 Sat	jason3	2203	2213	80	324	136	NW-SE	
Jul 12 Sat	ajisai	2221	2223	25	232	213	SW-SW	
Jul 12 Sat	lageos1	2229	2312	85	33	227	NE-SW	
Jul 12 Sat	lares	2236	2243	32	0	75	N -E	
Jul 12 Sat	sentinel6a	2244	2255	70	314	159	NW-S	
Jul 12 Sat	swot	2304	2308	28	32	96	NE-E	
Jul 12 Sat	lageos2	2356	0033	42	294	195	NW-S	
Jul 13 Sun	jason3	0000	0005	30	279	221	W -SW	
Jul 13 Sun	lares	0033	0044	80	332	142	NW-SE	
Jul 13 Sun	swot	0047	0054	60	328	185	NW-S	
Jul 13 Sun	lageos1	0200	0237	52	51	294	NE-NW	
Jul 13 Sun	larets	0203	0206	34	89	18	E -N	
Jul 13 Sun	lares	0232	0238	30	289	226	W -SW	
Jul 13 Sun	larets	0340	0344	33	233	318	SW-NW	
Jul 13 Sun	hy2c	0425	0432	45	174	57	S -NE	
Jul 13 Sun	swarmc	0426	0430	66	348	189	N -S	
Jul 13 Sun	swarma	0427	0430	82	351	182	N -S	

OBSERVING SCHEDULE (Times are in U.T.)							Observer
Date	Satellite	Start	End	Elev	Direction		
Jul 13 Sun	saral	0504	0510	73	158 347 S	-N	
Jul 13 Sun	lageos1	0524	0606	70	112 325 E	-NW	
Jul 13 Sun	cryosat2	0525	0531	63	20 172 N	-S	
Jul 13 Sun	tandemx	0609	0613	42	46 166 NE	-S	
Jul 13 Sun	terrasarx	0609	0613	43	48 167 NE	-S	
Jul 13 Sun	icesat2	0611	0614	68	344 200 N	-S	

Jul 13 Sun	hy2c	0612	0619	49	256	24	W -NE
Jul 13 Sun	hy2b	0651	0659	80	15	200	N -S
Jul 13 Sun	paz	0716	0719	32	321	240	NW-SW
Jul 13 Sun	lares2	0737	0815	47	142	35	SE-NE
Jul 13 Sun	starlette	0808	0814	43	199	88	S -E
Jul 13 Sun	gracefo1	0810	0813	33	46	136	NE-SE
Jul 13 Sun	lageos1	0900	0939	49	195	323	S -NW
Jul 13 Sun	starlette	0956	1003	79	254	88	W -E
Jul 13 Sun	sentinel3b	0959	1004	43	48	157	NE-SE
Jul 13 Sun	swarmb	1002	1006	49	146	15	SE-N
Jul 13 Sun	stella	1032	1038	50	354	224	N -SW
Jul 13 Sun	sentinel3a	1037	1043	74	18	195	N -S
Jul 13 Sun	hy2d	1056	1104	73	205	43	SW-NE
Jul 13 Sun	lares2	1126	1214	69	236	39	SW-NE
Jul 13 Sun	hy2c	1139	1146	42	342	97	N -E
Jul 13 Sun	sentinel3b	1139	1143	33	334	255	NW-W
Jul 13 Sun	starlette	1145	1152	73	271	114	W -SE
Jul 13 Sun	beaconc	1149	1156	39	215	120	SW-SE
Jul 13 Sun	hy2d	1245	1251	35	287	20	W -N
Jul 13 Sun	sentinel6a	1322	1331	44	165	54	S -NE
Jul 13 Sun	hy2c	1326	1334	57	308	167	NW-S
Jul 13 Sun	starlette	1334	1340	37	259	164	W -S
Jul 13 Sun	beaconc	1342	1348	35	230	151	SW-SE
Jul 13 Sun	lageos2	1356	1439	59	193	62	S -NE
Jul 13 Sun	swot	1408	1415	72	186	24	S -NE
Jul 13 Sun	jason3	1430	1440	83	217	39	SW-NE
Jul 13 Sun	sentinel6a	1517	1527	61	246	32	SW-NE
Jul 13 Sun	ajisai	1518	1530	60	221	79	SW-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 13 Sun	lares	1529	1539	56	175 44 S -NE	MW
Jul 13 Sun	larets	1530	1535	37	48 156 NE-SE	
Jul 13 Sun	lares2	1537	1623	56	311 94 NW-E	
Jul 13 Sun	jason3	1628	1635	37	293 22 NW-N	
Jul 13 Sun	swarmc	1633	1637	62	169 9 S -N	
Jul 13 Sun	swarma	1634	1637	59	145 14 SE-N	
Jul 13 Sun	cryosat2	1639	1643	38	118 24 SE-NE	
Jul 13 Sun	terrasarx	1653	1656	42	111 11 E -N	
Jul 13 Sun	tandemx	1653	1656	42	114 13 SE-N	
Jul 13 Sun	hy2b	1656	1703	67	143 352 SE-N	
Jul 13 Sun	larets	1708	1712	32	327 245 NW-SW	
Jul 13 Sun	sentinel6a	1717	1723	31	319 26 NW-NE	
Jul 13 Sun	ajisai	1719	1731	85	263 90 W -E	
Jul 13 Sun	lares	1727	1737	49	256 21 W -N	
Jul 13 Sun	lageos2	1755	1844	86	265 90 W -E	
Jul 13 Sun	paz	1800	1803	33	240 320 SW-NW	
Jul 13 Sun	hy2d	1811	1818	62	335 119 NW-SE	
Jul 13 Sun	cryosat2	1818	1822	30	243 321 SW-NW	
Jul 13 Sun	saral	1850	1856	66	2 210 N -SW	

Jul 13 Sun	sentinel6a	1915	1921	30	343	50	N	-NE
Jul 13 Sun	ajisai	1921	1933	71	278	122	W	-SE
Jul 13 Sun	lares2	1938	2024	69	327	183	NW	-S
Jul 13 Sun	hy2d	1959	2004	34	281	200	W	-S
Jul 13 Sun	stella	2017	2023	68	143	351	SE	-N
Jul 13 Sun	gracefo1	2021	2024	35	117	26	SE	-NE
Jul 13 Sun	sentinel3a	2023	2028	37	101	6	E	-N
Jul 13 Sun	jason3	2023	2031	41	344	87	N	-E
Jul 13 Sun	lageos1	2106	2150	71	34	198	NE	-S
Jul 13 Sun	sentinel6a	2111	2121	57	333	113	NW	-SE
Jul 13 Sun	sentinel3b	2123	2130	77	172	341	S	-N
Jul 13 Sun	ajisai	2124	2132	35	262	179	W	-S
Jul 13 Sun	swarmb	2124	2127	36	44	136	NE	-SE
Jul 13 Sun	lares	2133	2134	25	15	25	N	-NE
Jul 13 Sun	lageos2	2200	2246	66	296	157	NW	-SE
Jul 13 Sun	sentinel3a	2202	2207	38	214	315	SW	-NW
Jul 13 Sun	jason3	2218	2228	76	317	153	NW	-SE
Jul 13 Sun	swot	2304	2309	32	20	104	N	-E
Jul 13 Sun	sentinel6a	2307	2316	48	303	184	NW	-S
Jul 13 Sun	lares	2329	2339	51	345	111	N	-E
Jul 14 Mon	lageos1	0039	0118	58	40	272	NE	-W
Jul 14 Mon	swot	0048	0055	51	320	191	NW	-S
Jul 14 Mon	lares	0127	0137	55	311	182	NW	-S
Jul 14 Mon	larets	0238	0243	69	146	352	SE	-N
Jul 14 Mon	swarma	0348	0351	36	46	142	NE	-SE
Jul 14 Mon	swarmc	0348	0351	41	48	149	NE	-SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 14 Mon	lageos1	0405	0444	57	85 318 E	CP
Jul 14 Mon	saral	0433	0438	47	119 4 SE	
Jul 14 Mon	hy2c	0443	0451	67	200 44 S	
Jul 14 Mon	icesat2	0545	0549	60	25 173 NE	
Jul 14 Mon	cryosat2	0614	0619	45	332 217 NW	
Jul 14 Mon	hy2c	0632	0637	37	288 14 W	
Jul 14 Mon	paz	0658	0702	48	351 223 N	
Jul 14 Mon	hy2b	0713	0721	62	4 216 N	
Jul 14 Mon	lageos1	0734	0817	73	161 328 S	
Jul 14 Mon	starlette	0826	0833	57	227 86 SW	
Jul 14 Mon	gracefo1	0912	0915	36	322 225 NW	
Jul 14 Mon	swarmb	0940	0942	31	98 38 E	
Jul 14 Mon	lares2	0953	1041	88	203 33 SW	
Jul 14 Mon	stella	1005	1012	82	13 201 N	
Jul 14 Mon	sentinel3a	1011	1017	53	35 172 NE	
Jul 14 Mon	starlette	1015	1022	82	264 94 W	
Jul 14 Mon	beaconc	1104	1111	37	215 120 SW	
Jul 14 Mon	sentinel3b	1113	1118	51	349 228 N	
Jul 14 Mon	hy2d	1115	1122	75	231 34 SW	
Jul 14 Mon	hy2c	1158	1205	58	339 117 N	
Jul 14 Mon	starlette	1204	1211	61	270 129 W	
Jul 14 Mon	lageos2	1212	1242	36	149 68 SE	
Jul 14 Mon	jason3	1252	1259	36	146 62 SE	
Jul 14 Mon	beaconc	1257	1304	37	233 141 SW	
Jul 14 Mon	sentinel6a	1343	1354	64	194 45 S	
Jul 14 Mon	hy2c	1345	1351	37	291 195 W	
Jul 14 Mon	lares2	1400	1445	52	290 66 W	
Jul 14 Mon	swot	1409	1416	87	195 19 S	
Jul 14 Mon	ajisai	1425	1435	48	201 83 S	
Jul 14 Mon	lares	1427	1433	31	133 69 SE	
Jul 14 Mon	jason3	1445	1455	69	235 34 SW	

Jul 14 Mon sentinel6a 1540 1550 47 265 30 W -NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Jul 14 Mon	lageos2	1600	1648	85	236 72 SW-E	RS
Jul 14 Mon	larets	1606	1612	73	21 190 N -S	
Jul 14 Mon	lares	1622	1633	79	221 29 SW-NE	
Jul 14 Mon	ajisai	1625	1637	80	252 84 W -E	
Jul 14 Mon	jason3	1643	1650	32	301 22 NW-N	
Jul 14 Mon	hy2d	1643	1647	30	2 65 N -NE	
Jul 14 Mon	hy2b	1718	1726	83	164 343 S -N	
Jul 14 Mon	cryosat2	1727	1732	76	186 350 S -N	
Jul 14 Mon	paz	1742	1746	48	200 332 S -NW	
Jul 14 Mon	icesat2	1759	1802	48	224 336 SW-NW	
Jul 14 Mon	lares2	1806	1854	85	327 150 NW-SE	
Jul 14 Mon	saral	1818	1824	66	27 183 NE-S	
Jul 14 Mon	lares	1823	1830	31	295 10 NW-N	
Jul 14 Mon	ajisai	1827	1839	78	276 110 W -E	
Jul 14 Mon	hy2d	1829	1837	79	322 142 NW-SE	
Jul 14 Mon	sentinel6a	1938	1945	34	345 67 N -NE	
Jul 14 Mon	lageos1	1944	2023	48	39 165 NE-S	
Jul 14 Mon	stella	1951	1956	43	110 4 E -N	
Jul 14 Mon	lageos2	2005	2054	85	288 124 W -SE	
Jul 14 Mon	ajisai	2029	2039	46	273 159 W -S	
Jul 14 Mon	jason3	2037	2047	49	335 104 NW-E	
Jul 14 Mon	sentinel3b	2057	2104	68	147 352 SE-N	
Jul 14 Mon	gracefo1	2123	2126	34	239 330 SW-NW	
Jul 14 Mon	stella	2131	2135	32	232 310 SW-NW	
Jul 14 Mon	sentinel6a	2133	2144	76	325 133 NW-SE	
Jul 14 Mon	sentinel3a	2136	2142	60	189 334 S -NW	
Jul 14 Mon	lares2	2207	2230	31	314 254 NW-W	
Jul 14 Mon	lares	2225	2233	34	354 80 N -E	
Jul 14 Mon	jason3	2233	2243	60	307 168 NW-S	
Jul 14 Mon	swarmb	2236	2238	28	294 238 NW-SW	
Jul 14 Mon	swot	2305	2310	37	22 113 N -SE	
Jul 14 Mon	lageos1	2317	2359	72	34 246 NE-SW	
Jul 14 Mon	sentinel6a	2331	2337	32	283 212 W -SW	
Jul 15 Tue	lageos2	0011	0043	37	290 207 W -SW	
Jul 15 Tue	lares	0022	0034	82	328 149 NW-SE	
Jul 15 Tue	swot	0049	0055	43	311 201 NW-S	
Jul 15 Tue	lares	0223	0226	26	274 243 W -SW	
Jul 15 Tue	lageos1	0246	0323	52	63 306 NE-NW	
Jul 15 Tue	larets	0314	0319	56	194 332 S -NW	
Jul 15 Tue	swarma	0443	0445	36	294 222 NW-SW	
Jul 15 Tue	swarmc	0443	0445	32	284 224 W -SW	
Jul 15 Tue	hy2c	0501	0509	79	225 36 SW-NE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 15 Tue	icesat2	0520	0522	32	69 134 E -SE	TS
Jul 15 Tue	cryosat2	0523	0529	64	15 175 N -S	
Jul 15 Tue	saral	0540	0546	50	196 329 S -NW	
Jul 15 Tue	hy2b	0553	0559	38	55 154 NE-SE	
Jul 15 Tue	lageos1	0611	0654	83	131 328 SE-NW	
Jul 15 Tue	paz	0641	0645	71	6 203 N -SW	
Jul 15 Tue	starlette	0658	0703	32	179 95 S -E	
Jul 15 Tue	tandemx	0709	0712	39	332 236 NW-SW	
Jul 15 Tue	terrasarx	0709	0712	39	329 234 NW-SW	
Jul 15 Tue	hy2b	0736	0742	45	346 235 N -SW	
Jul 15 Tue	lares2	0824	0909	64	169 32 S -NE	
Jul 15 Tue	gracefo1	0840	0844	72	356 186 N -S	
Jul 15 Tue	starlette	0845	0852	69	244 86 SW-E	
Jul 15 Tue	stella	0939	0945	60	33 179 NE-S	
Jul 15 Tue	sentinel3a	0946	0950	34	62 142 NE-SE	
Jul 15 Tue	hy2d	0947	0953	41	164 60 S -NE	
Jul 15 Tue	lageos1	0955	1024	35	224 312 SW-NW	
Jul 15 Tue	beaconc	1020	1026	34	205 122 SW-SE	
Jul 15 Tue	hy2c	1030	1034	30	6 67 N -NE	
Jul 15 Tue	starlette	1034	1042	76	271 103 W -E	
Jul 15 Tue	sentinel3b	1047	1053	77	10 203 N -SW	
Jul 15 Tue	swarmb	1051	1054	32	251 332 W -NW	
Jul 15 Tue	sentinel3a	1125	1130	41	346 241 N -SW	
Jul 15 Tue	hy2d	1134	1141	52	259 29 W -NE	
Jul 15 Tue	beaconc	1213	1220	38	225 132 SW-SE	
Jul 15 Tue	hy2c	1216	1224	79	324 139 NW-SE	
Jul 15 Tue	lares2	1222	1309	58	260 47 W -NE	
Jul 15 Tue	starlette	1223	1230	47	267 146 W -SE	
Jul 15 Tue	jason3	1305	1314	49	175 54 S -NE	
Jul 15 Tue	ajisai	1332	1340	37	179 92 S -E	
Jul 15 Tue	sentinel6a	1406	1417	83	216 39 SW-NE	
Jul 15 Tue	lageos2	1408	1453	65	202 63 S -NE	
Jul 15 Tue	swot	1410	1417	77	206 15 SW-N	
Jul 15 Tue	jason3	1500	1510	56	252 31 W -NE	
Jul 15 Tue	lares	1518	1529	63	184 40 S -NE	
Jul 15 Tue	ajisai	1531	1543	72	239 81 SW-E	
Jul 15 Tue	sentinel6a	1604	1612	38	288 25 W -NE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer

Jul 15 Tue	lares2	1632	1720	65	320 118	NW-SE	VS
Jul 15 Tue	cryosat2	1637	1642	42	125 15	SE-N	
Jul 15 Tue	larets	1642	1647	50	355 226	N -SW	
Jul 15 Tue	swarma	1649	1653	56	205 354	SW-N	
Jul 15 Tue	swarmc	1649	1652	51	218 343	SW-N	
Jul 15 Tue	hy2d	1701	1707	39	351 92	N -E	
Jul 15 Tue	lares	1717	1727	46	264 22	W -N	
Jul 15 Tue	paz	1725	1729	72	173 344	S -N	
Jul 15 Tue	icesat2	1733	1737	81	172 356	S -N	
Jul 15 Tue	ajisai	1733	1745	82	271 99	W -E	
Jul 15 Tue	hy2b	1740	1748	62	184 336	S -NW	
Jul 15 Tue	saral	1747	1752	38	55 155	NE-SE	
Jul 15 Tue	terrasarx	1753	1756	40	230 324	SW-NW	
Jul 15 Tue	tandemx	1753	1756	41	226 322	SW-NW	
Jul 15 Tue	lageos2	1809	1858	86	270 96	W -E	
Jul 15 Tue	hy2d	1848	1855	62	306 164	NW-S	
Jul 15 Tue	jason3	1857	1903	30	345 54	N -NE	
Jul 15 Tue	saral	1926	1931	36	342 243	N -SW	
Jul 15 Tue	ajisai	1935	1946	58	275 140	W -SE	
Jul 15 Tue	sentinel6a	2000	2009	41	337 87	NW-E	
Jul 15 Tue	lares2	2032	2112	51	325 209	NW-SW	
Jul 15 Tue	sentinel3b	2032	2038	43	118 2	SE-N	
Jul 15 Tue	gracefo1	2051	2055	67	193 355	S -N	
Jul 15 Tue	jason3	2052	2102	60	332 117	NW-SE	
Jul 15 Tue	stella	2103	2109	52	194 328	S -NW	
Jul 15 Tue	sentinel3a	2110	2116	74	159 347	S -N	
Jul 15 Tue	lares	2122	2125	26	9 39	N -NE	
Jul 15 Tue	lageos1	2154	2239	87	32 218	NE-SW	
Jul 15 Tue	sentinel6a	2156	2207	78	317 153	NW-SE	
Jul 15 Tue	swarmb	2212	2216	42	329 207	NW-SW	
Jul 15 Tue	sentinel3b	2213	2217	32	239 314	SW-NW	
Jul 15 Tue	lageos2	2214	2259	60	297 165	NW-S	
Jul 15 Tue	jason3	2248	2257	44	297 185	NW-S	
Jul 15 Tue	swot	2305	2311	43	9 122	N -SE	
Jul 15 Tue	lares	2318	2329	56	340 118	N -SE	
Jul 16 Wed	swot	0050	0055	37	302 213	NW-SW	
Jul 16 Wed	lares	0116	0126	49	310 190	NW-S	
Jul 16 Wed	lageos1	0127	0204	53	46 288	NE-W	
Jul 16 Wed	larets	0213	0218	42	117 3	SE-N	
Jul 16 Wed	hy2c	0334	0340	38	158 60	S -NE	
Jul 16 Wed	swarmc	0403	0407	72	356 180	N -S	
Jul 16 Wed	swarma	0403	0407	62	4 174	N -S	

OBSERVING SCHEDULE (Times are in U.T.)							
Date	Satellite	Start	End	Elev	Direction	Observer	
Jul 16 Wed	lageos1	0451	0532	65	102 323	E -NW	AS
Jul 16 Wed	saral	0508	0515	86	163 345	S -N	
Jul 16 Wed	hy2c	0520	0527	56	250 26	W -NE	
Jul 16 Wed	cryosat2	0612	0617	42	333 222	NW-SW	
Jul 16 Wed	hy2b	0614	0621	53	34 168	NE-S	
Jul 16 Wed	paz	0624	0628	62	27 183	NE-S	
Jul 16 Wed	icesat2	0628	0631	34	309 225	NW-SW	
Jul 16 Wed	terrasarx	0651	0656	60	359 210	N -SW	
Jul 16 Wed	tandemx	0652	0656	59	348 210	N -SW	
Jul 16 Wed	lares2	0701	0736	41	131 36	SE-NE	
Jul 16 Wed	starlette	0716	0722	45	209 91	SW-E	
Jul 16 Wed	hy2b	0758	0803	33	339 257	N -W	
Jul 16 Wed	gracefo1	0809	0812	46	40 151	NE-SE	

Jul 16 Wed	lageos1	0824	0905	57	183	325	S -NW
Jul 16 Wed	starlette	0905	0912	73	255	89	W -E
Jul 16 Wed	stella	0913	0918	38	58	156	NE-SE
Jul 16 Wed	beaconc	0936	0941	30	194	125	S -SE
Jul 16 Wed	hy2d	1004	1012	64	197	47	S -NE
Jul 16 Wed	sentinel3b	1021	1027	63	31	181	NE-S
Jul 16 Wed	swarmb	1027	1031	49	212	345	SW-N
Jul 16 Wed	lares2	1046	1135	74	227	37	SW-NE
Jul 16 Wed	hy2c	1048	1054	38	356	92	N -E
Jul 16 Wed	stella	1052	1057	37	344	245	N -SW
Jul 16 Wed	starlette	1053	1101	67	273	115	W -SE
Jul 16 Wed	sentinel3a	1059	1105	62	2	214	N -SW
Jul 16 Wed	beaconc	1128	1135	39	227	130	SW-SE
Jul 16 Wed	hy2d	1153	1159	39	283	22	W -N
Jul 16 Wed	lageos2	1222	1257	41	161	65	S -NE
Jul 16 Wed	hy2c	1234	1242	65	312	160	NW-S
Jul 16 Wed	sentinel6a	1234	1242	39	159	62	S -NE
Jul 16 Wed	starlette	1243	1248	34	252	171	W -S
Jul 16 Wed	jason3	1319	1329	66	195	47	S -NE
Jul 16 Wed	swot	1410	1417	67	213	10	SW-N
Jul 16 Wed	lares	1416	1424	35	142	56	SE-NE
Jul 16 Wed	sentinel6a	1429	1439	67	240	34	SW-NE
Jul 16 Wed	ajisai	1437	1449	62	225	80	SW-E
Jul 16 Wed	lares2	1457	1543	54	306	86	NW-E
Jul 16 Wed	jason3	1516	1525	46	273	30	W -NE
Jul 16 Wed	larets	1541	1546	46	42	164	NE-S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 16 Wed	swarmc	1610	1613	56	150 18	SE-N MW
Jul 16 Wed	swarma	1610	1614	45	146 16	SE-N
Jul 16 Wed	lares	1611	1623	70	227 28	SW-NE
Jul 16 Wed	lageos2	1614	1702	88	244 75	SW-E
Jul 16 Wed	hy2b	1620	1626	39	109 7	E -N
Jul 16 Wed	sentinel6a	1628	1635	32	308 26	NW-NE
Jul 16 Wed	ajisai	1639	1651	85	264 91	W -E
Jul 16 Wed	icesat2	1707	1711	43	136 12	SE-N
Jul 16 Wed	paz	1708	1712	63	139 355	SE-N
Jul 16 Wed	hy2d	1719	1726	55	339 113	N -SE
Jul 16 Wed	cryosat2	1725	1731	68	190 349	S -N
Jul 16 Wed	terrasarx	1735	1739	59	186 337	S -NW
Jul 16 Wed	tandemx	1735	1739	62	185 336	S -NW
Jul 16 Wed	hy2b	1803	1809	44	210 322	SW-NW
Jul 16 Wed	lares	1814	1820	30	311 13	NW-N
Jul 16 Wed	ajisai	1841	1852	69	276 125	W -SE
Jul 16 Wed	saral	1854	1900	62	2 215	N -SW
Jul 16 Wed	lares2	1859	1946	76	328 174	NW-S
Jul 16 Wed	hy2d	1907	1913	40	284 186	W -S
Jul 16 Wed	jason3	1912	1919	34	346 69	N -E
Jul 16 Wed	lageos2	2019	2108	81	291 131	W -SE
Jul 16 Wed	gracefo1	2019	2023	48	148 15	SE-N
Jul 16 Wed	sentinel6a	2023	2033	52	336 108	NW-E
Jul 16 Wed	lageos1	2032	2115	64	35 188	NE-S
Jul 16 Wed	stella	2037	2043	82	168 343	S -N
Jul 16 Wed	sentinel3a	2044	2050	53	133 359	SE-N

Jul 16 Wed	ajisai	2044	2051	33	254 182	W -S
Jul 16 Wed	jason3	2107	2117	74	326 132	NW-SE
Jul 16 Wed	sentinel3b	2146	2152	52	201 332	S -NW
Jul 16 Wed	swarmb	2149	2153	62	349 187	N -S
Jul 16 Wed	lares	2214	2223	37	348 87	N -E
Jul 16 Wed	sentinel6a	2219	2229	55	306 173	NW-S
Jul 16 Wed	sentinel3a	2226	2228	26	254 290	W -W
Jul 16 Wed	jason3	2304	2310	32	279 209	W -SW
Jul 16 Wed	swot	2306	2312	49	9 131	N -SE
Jul 17 Thu	lageos1	0005	0045	62	38 264	NE-W
Jul 17 Thu	lares	0012	0023	83	325 155	NW-SE
Jul 17 Thu	lageos2	0027	0051	31	284 223	W -SW
Jul 17 Thu	swot	0051	0055	31	293 225	NW-SW
Jul 17 Thu	laretts	0249	0254	83	161 346	S -N
Jul 17 Thu	swarmc	0324	0327	34	39 135	NE-SE
Jul 17 Thu	lageos1	0332	0410	55	77 315	E -NW
Jul 17 Thu	hy2c	0351	0359	59	192 47	S -NE
Jul 17 Thu	saral	0437	0443	50	127 358	SE-N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 17 Thu	cryosat2	0521	0527	74	11 178 N -S	CP
Jul 17 Thu	hy2c	0539	0546	41	273 24 W -NE	
Jul 17 Thu	icesat2	0602	0606	63	342 199 N -S	
Jul 17 Thu	paz	0607	0611	42	47 166 NE-S	
Jul 17 Thu	tandemx	0634	0639	85	15 194 N -S	
Jul 17 Thu	terrasarx	0634	0639	85	15 193 N -S	
Jul 17 Thu	hy2b	0636	0644	73	23 189 NE-S	
Jul 17 Thu	lageos1	0659	0743	81	151 328 SE-NW	
Jul 17 Thu	starlette	0735	0742	60	228 84 SW-E	
Jul 17 Thu	lares2	0914	1002	82	194 33 S -NE	
Jul 17 Thu	starlette	0924	0931	79	265 95 W -E	
Jul 17 Thu	sentinel3b	0955	1000	40	46 151 NE-SE	
Jul 17 Thu	swarmb	1004	1008	68	186 360 S -N	
Jul 17 Thu	hy2d	1023	1030	85	222 37 SW-NE	
Jul 17 Thu	stella	1025	1031	58	1 220 N -SW	
Jul 17 Thu	sentinel3a	1033	1039	79	20 191 N -S	
Jul 17 Thu	beaconc	1044	1051	38	219 122 SW-SE	
Jul 17 Thu	hy2c	1106	1113	52	343 111 N -E	
Jul 17 Thu	starlette	1113	1120	57	266 130 W -SE	
Jul 17 Thu	sentinel3b	1135	1140	36	340 245 N -SW	
Jul 17 Thu	hy2d	1212	1217	30	301 15 NW-N	
Jul 17 Thu	beaconc	1237	1243	31	229 154 SW-SE	
Jul 17 Thu	hy2c	1253	1300	43	295 182 NW-S	
Jul 17 Thu	sentinel6a	1256	1306	57	182 48 S -NE	
Jul 17 Thu	lares2	1320	1405	52	283 60 W -NE	
Jul 17 Thu	jason3	1334	1344	80	212 40 SW-NE	
Jul 17 Thu	ajisai	1344	1354	50	205 84 SW-E	
Jul 17 Thu	swot	1411	1418	59	223 7 SW-N	
Jul 17 Thu	lageos2	1421	1507	71	211 64 SW-NE	
Jul 17 Thu	sentinel6a	1452	1502	51	260 31 W -NE	
Jul 17 Thu	lares	1507	1519	69	193 37 S -NE	
Jul 17 Thu	jason3	1531	1539	39	284 23 W -NE	
Jul 17 Thu	ajisai	1544	1556	82	254 85 W -E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 17 Thu	larets	1617	1623	76	13 199 N -S	TS
Jul 17 Thu	cryosat2	1635	1640	46	132 15 SE-N	
Jul 17 Thu	hy2b	1642	1648	53	125 359 SE-N	
Jul 17 Thu	paz	1651	1654	41	112 13 E -N	
Jul 17 Thu	lares	1707	1716	42	271 18 W -N	
Jul 17 Thu	tandemx	1718	1722	71	159 350 S -N	
Jul 17 Thu	terrasarx	1718	1722	65	158 350 S -N	
Jul 17 Thu	lares2	1727	1815	79	326 142 NW-SE	
Jul 17 Thu	hy2d	1737	1745	74	326 135 NW-SE	
Jul 17 Thu	ajisai	1746	1758	78	277 112 W -E	
Jul 17 Thu	saral	1822	1829	74	22 188 N -S	
Jul 17 Thu	lageos2	1823	1912	86	276 102 W -E	
Jul 17 Thu	hy2b	1826	1831	31	235 313 SW-NW	
Jul 17 Thu	sentinel6a	1850	1857	32	346 65 N -NE	
Jul 17 Thu	lageos1	1911	1946	41	44 151 NE-SE	
Jul 17 Thu	jason3	1927	1935	39	346 85 N -E	
Jul 17 Thu	ajisai	1949	1958	44	266 162 W -S	
Jul 17 Thu	stella	2010	2016	60	139 356 SE-N	
Jul 17 Thu	sentinel3a	2019	2024	35	104 10 E -N	
Jul 17 Thu	sentinel6a	2045	2056	69	327 126 NW-SE	
Jul 17 Thu	lares	2111	2116	27	3 53 N -NE	
Jul 17 Thu	sentinel3b	2120	2126	79	170 342 S -N	
Jul 17 Thu	jason3	2122	2132	81	319 148 NW-SE	
Jul 17 Thu	gracefo1	2123	2124	25	280 308 W -NW	
Jul 17 Thu	swarmb	2126	2130	61	15 167 N -S	
Jul 17 Thu	lares2	2127	2156	36	318 240 NW-SW	
Jul 17 Thu	sentinel3a	2159	2204	40	222 324 SW-NW	
Jul 17 Thu	lageos2	2228	2311	54	296 174 NW-S	
Jul 17 Thu	sentinel6a	2242	2250	37	294 200 NW-S	
Jul 17 Thu	lageos1	2243	2326	78	33 237 NE-SW	
Jul 17 Thu	swot	2306	2313	58	358 140 N -SE	
Jul 17 Thu	lares	2308	2319	61	340 125 N -SE	
Jul 18 Fri	swot	0052	0055	27	285 237 W -SW	
Jul 18 Fri	lares	0106	0115	43	305 199 NW-S	
Jul 18 Fri	larets	0149	0151	27	82 39 E -NE	
Jul 18 Fri	lageos1	0213	0250	52	57 301 NE-NW	
Jul 18 Fri	larets	0325	0330	45	205 326 SW-NW	
Jul 18 Fri	saral	0407	0410	30	80 22 E -N	
Jul 18 Fri	hy2c	0409	0417	84	217 39 SW-NE	
Jul 18 Fri	swarma	0419	0422	46	320 207 NW-SW	
Jul 18 Fri	swarmc	0419	0422	39	307 210 NW-SW	
Jul 18 Fri	cryosat2	0432	0435	30	58 121 NE-SE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 18 Fri	icesat2	0536	0540	62	20 175 N -S	VS
Jul 18 Fri	lageos1	0537	0620	76	121 327 SE-NW	
Jul 18 Fri	saral	0545	0550	47	207 324 SW-NW	
Jul 18 Fri	hy2c	0559	0604	31	303 18 NW-N	
Jul 18 Fri	starlette	0607	0611	34	175 100 S -E	
Jul 18 Fri	cryosat2	0610	0615	39	333 227 NW-SW	
Jul 18 Fri	tandemx	0617	0621	56	31 171 NE-S	
Jul 18 Fri	terrasarx	0617	0621	55	33 172 NE-S	
Jul 18 Fri	hy2b	0658	0706	76	12 206 N -SW	
Jul 18 Fri	lares2	0747	0830	58	160 33 S -NE	
Jul 18 Fri	starlette	0754	0801	73	245 86 SW-E	
Jul 18 Fri	gracefol	0839	0843	51	340 199 N -S	
Jul 18 Fri	hy2d	0855	0901	36	158 63 S -NE	
Jul 18 Fri	lageos1	0917	0952	42	209 319 SW-NW	
Jul 18 Fri	swarmb	0941	0945	53	155 13 SE-N	
Jul 18 Fri	starlette	0943	0950	78	270 105 W -E	
Jul 18 Fri	stella	0959	1005	77	17 196 N -S	
Jul 18 Fri	beaconc	1000	1006	37	208 122 SW-SE	
Jul 18 Fri	sentinel3a	1007	1013	51	35 167 NE-S	
Jul 18 Fri	hy2d	1041	1049	58	245 31 SW-NE	
Jul 18 Fri	sentinel3b	1109	1115	54	354 221 N -SW	
Jul 18 Fri	hy2c	1124	1132	73	329 132 NW-SE	
Jul 18 Fri	starlette	1132	1138	43	262 152 W -SE	
Jul 18 Fri	lares2	1142	1229	61	251 43 W -NE	
Jul 18 Fri	beaconc	1152	1159	34	234 144 SW-SE	
Jul 18 Fri	jason3	1156	1202	33	143 70 SE-E	
Jul 18 Fri	swot	1229	1233	31	124 56 SE-NE	
Jul 18 Fri	lageos2	1233	1311	47	172 64 S -NE	
Jul 18 Fri	ajisai	1251	1300	39	183 86 S -E	
Jul 18 Fri	sentinel6a	1318	1328	78	208 42 SW-NE	
Jul 18 Fri	jason3	1349	1359	74	231 35 SW-NE	
Jul 18 Fri	lares	1405	1414	39	151 51 SE-NE	
Jul 18 Fri	swot	1412	1419	50	235 6 SW-N	
Jul 18 Fri	ajisai	1450	1502	74	242 82 SW-E	
Jul 18 Fri	sentinel6a	1516	1524	41	285 25 W -NE	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 18 Fri	jason3	1547	1554	34	301 23 NW-NE	AS
Jul 18 Fri	lares2	1553	1640	61	318 109 NW-E	
Jul 18 Fri	lares	1601	1612	65	234 25 SW-NE	
Jul 18 Fri	hy2d	1609	1615	36	353 88 N -E	
Jul 18 Fri	swarmc	1625	1629	59	199 354 S -N	
Jul 18 Fri	swarma	1625	1629	74	190 357 S -N	
Jul 18 Fri	lageos2	1628	1716	88	251 79 W -E	

Jul 18 Fri	ajisai	1652	1704	80	272	101	W -E
Jul 18 Fri	larets	1654	1658	41	333	234	NW-SW
Jul 18 Fri	tandemx	1701	1705	49	134	2	SE-N
Jul 18 Fri	terrasarx	1701	1705	48	131	1	SE-N
Jul 18 Fri	hy2b	1703	1711	71	151	348	SE-N
Jul 18 Fri	cryosat2	1723	1729	61	193	347	S -N
Jul 18 Fri	icesat2	1750	1753	45	225	333	SW-NW
Jul 18 Fri	saral	1751	1756	41	47	155	NE-SE
Jul 18 Fri	hy2d	1756	1803	71	311	157	NW-SE
Jul 18 Fri	ajisai	1854	1905	56	275	143	W -SE
Jul 18 Fri	sentinel6a	1912	1921	39	338	83	N -E
Jul 18 Fri	saral	1931	1935	33	330	250	NW-W
Jul 18 Fri	jason3	1941	1950	47	336	96	NW-E
Jul 18 Fri	stella	1944	1949	39	112	11	E -N
Jul 18 Fri	lares2	1953	2036	58	326	199	NW-S
Jul 18 Fri	lageos2	2033	2121	76	293	139	NW-SE
Jul 18 Fri	gracefo1	2050	2053	51	218	341	SW-N
Jul 18 Fri	sentinel3b	2054	2100	61	140	354	SE-N
Jul 18 Fri	swarmb	2103	2106	40	37	139	NE-SE
Jul 18 Fri	sentinel6a	2108	2119	86	320	146	NW-SE
Jul 18 Fri	lageos1	2120	2204	80	33	208	NE-SW
Jul 18 Fri	stella	2124	2129	37	221	319	SW-NW
Jul 18 Fri	sentinel3a	2132	2138	64	183	335	S -NW
Jul 18 Fri	jason3	2137	2147	64	309	164	NW-S
Jul 18 Fri	lares	2204	2213	40	350	93	N -E
Jul 18 Fri	swot	2307	2314	67	354	149	N -SE
Jul 18 Fri	sentinel6a	2308	2309	25	254	243	W -SW
Jul 19 Sat	lares	0001	0013	74	323	161	NW-S
Jul 19 Sat	lageos2	0045	0057	26	273	243	W -SW
Jul 19 Sat	lageos1	0053	0131	55	43	280	NE-W
Jul 19 Sat	larets	0224	0229	51	127	359	SE-N
Jul 19 Sat	hy2c	0242	0247	33	152	72	SE-E
Jul 19 Sat	swarmc	0339	0343	70	5	171	N -S
Jul 19 Sat	swarma	0340	0343	63	22	163	N -S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 19 Sat	lageos1	0418	0458	61	94 321 E -NW	
Jul 19 Sat	hy2c	0428	0436	63	243 33 SW-NE	
Jul 19 Sat	icesat2	0511	0514	35	66 150 NE-SE	
Jul 19 Sat	saral	0513	0519	80	168 343 S -N	
Jul 19 Sat	cryosat2	0520	0525	82	10 182 N -S	
Jul 19 Sat	hy2b	0539	0543	30	70 134 E -SE	
Jul 19 Sat	tandemx	0601	0604	36	67 154 NE-SE	
Jul 19 Sat	terrasarx	0601	0604	35	73 156 E -SE	
Jul 19 Sat	starlette	0625	0631	47	208 88 SW-E	
Jul 19 Sat	lares2	0626	0656	36	119 40 SE-NE	
Jul 19 Sat	paz	0707	0710	40	329 233 NW-SW	
Jul 19 Sat	hy2b	0721	0728	56	356 222 N -SW	
Jul 19 Sat	lageos1	0749	0831	65	172 327 S -NW	
Jul 19 Sat	gracefo1	0807	0811	65	12 167 N -S	
Jul 19 Sat	starlette	0813	0820	80	258 90 W -E	
Jul 19 Sat	hy2d	0913	0920	56	183 50 S -NE	
Jul 19 Sat	beaconc	0915	0921	34	210 123 SW-SE	
Jul 19 Sat	swarmb	0918	0921	35	131 37 SE-NE	
Jul 19 Sat	stella	0932	0938	54	34 171 NE-S	
Jul 19 Sat	sentinel3a	0942	0946	32	59 136 NE-SE	

Jul 19 Sat	hy2c	0956	1001	35	358	80	N -E
Jul 19 Sat	starlette	1002	1009	68	272	119	W -SE
Jul 19 Sat	lares2	1007	1056	79	218	35	SW-NE
Jul 19 Sat	sentinel3b	1043	1049	75	13	200	N -S
Jul 19 Sat	hy2d	1100	1107	43	268	23	W -NE
Jul 19 Sat	beaconc	1108	1114	35	227	142	SW-SE
Jul 19 Sat	sentinel3a	1122	1127	44	339	232	N -SW
Jul 19 Sat	hy2c	1142	1150	74	316	153	NW-SE
Jul 19 Sat	sentinel6a	1147	1154	34	145	65	SE-NE
Jul 19 Sat	starlette	1152	1156	31	244	179	SW-S
Jul 19 Sat	jason3	1209	1218	45	170	55	S -NE
Jul 19 Sat	swot	1229	1234	36	138	49	SE-NE
Jul 19 Sat	sentinel6a	1340	1351	74	230	35	SW-NE
Jul 19 Sat	ajisai	1356	1408	64	228	80	SW-E
Jul 19 Sat	jason3	1404	1414	60	249	32	W -NE
Jul 19 Sat	swot	1413	1419	43	246	358	SW-N
Jul 19 Sat	lares2	1417	1503	52	301	79	NW-E
Jul 19 Sat	lageos2	1434	1521	76	219	66	SW-NE
Jul 19 Sat	lares	1457	1508	78	199	36	S -NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 19 Sat	sentinel6a	1540	1547	34	306 27 NW-NE	MW
Jul 19 Sat	swarmc	1547	1550	43	122 19 SE-N	
Jul 19 Sat	swarma	1547	1550	38	123 25 SE-NE	
Jul 19 Sat	larets	1552	1557	57	34 174 NE-S	
Jul 19 Sat	ajisai	1558	1610	84	266 93 W -E	
Jul 19 Sat	jason3	1603	1609	30	317 25 NW-NE	
Jul 19 Sat	hy2d	1627	1634	49	342 107 N -E	
Jul 19 Sat	cryosat2	1633	1638	49	138 14 SE-N	
Jul 19 Sat	terrasarx	1644	1647	33	111 23 E -NE	
Jul 19 Sat	tandemx	1645	1648	33	90 11 E -N	
Jul 19 Sat	lares	1657	1706	39	279 19 W -N	
Jul 19 Sat	icesat2	1724	1728	78	177 354 S -N	
Jul 19 Sat	hy2b	1725	1733	74	170 340 S -N	
Jul 19 Sat	paz	1750	1754	41	206 325 SW-NW	
Jul 19 Sat	ajisai	1800	1811	67	277 128 W -SE	
Jul 19 Sat	hy2d	1814	1821	46	299 180 NW-S	
Jul 19 Sat	lares2	1820	1908	83	328 166 NW-S	
Jul 19 Sat	lageos2	1837	1927	88	280 109 W -E	
Jul 19 Sat	saral	1859	1904	58	353 220 N -SW	
Jul 19 Sat	sentinel6a	1935	1944	48	337 98 NW-E	
Jul 19 Sat	jason3	1956	2006	57	334 114 NW-SE	
Jul 19 Sat	lageos1	1958	2039	56	37 176 NE-S	
Jul 19 Sat	ajisai	2003	2009	31	254 192 W -S	
Jul 19 Sat	gracefo1	2018	2022	62	164 6 S -N	
Jul 19 Sat	sentinel3b	2029	2034	40	106 5 E -N	
Jul 19 Sat	stella	2057	2103	59	192 334 S -NW	
Jul 19 Sat	sentinel3a	2106	2112	77	155 349 SE-N	
Jul 19 Sat	sentinel6a	2131	2141	61	310 167 NW-S	
Jul 19 Sat	jason3	2152	2201	48	299 181 NW-S	
Jul 19 Sat	sentinel3b	2209	2213	34	232 312 SW-NW	
Jul 19 Sat	swarmb	2215	2217	25	294 242 NW-SW	
Jul 19 Sat	lageos2	2242	2322	48	296 185 NW-S	
Jul 19 Sat	lares	2257	2308	67	336 129 NW-SE	

Jul 19 Sat	swot	2307	2315	73	346 157 N -SE
Jul 19 Sat	lageos1	2331	0013	66	36 255 NE-W
Jul 20 Sun	lares	0056	0104	38	299 207 NW-SW
Jul 20 Sun	hy2c	0259	0307	51	184 50 S -NE
Jul 20 Sun	lageos1	0259	0336	53	70 312 E -NW
Jul 20 Sun	larets	0300	0305	75	176 340 S -N
Jul 20 Sun	swarmc	0301	0303	28	59 121 NE-SE
Jul 20 Sun	swarma	0302	0303	25	85 112 E -E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 20 Sun	cryosat2	0430	0434	32	52 134 NE-SE	
Jul 20 Sun	saral	0441	0447	54	135 358 SE-N	
Jul 20 Sun	hy2c	0447	0454	45	268 26 W -NE	
Jul 20 Sun	hy2b	0600	0606	42	47 156 NE-SE	
Jul 20 Sun	cryosat2	0609	0613	36	319 232 NW-SW	
Jul 20 Sun	icesat2	0619	0622	32	309 228 NW-SW	
Jul 20 Sun	lageos1	0625	0708	89	141 328 SE-NW	
Jul 20 Sun	starlette	0644	0650	60	228 86 SW-E	
Jul 20 Sun	paz	0649	0653	61	360 213 N -SW	
Jul 20 Sun	terrasarx	0718	0720	31	307 248 NW-W	
Jul 20 Sun	tandemx	0718	0720	31	313 252 NW-W	
Jul 20 Sun	gracefol	0736	0739	31	50 135 NE-SE	
Jul 20 Sun	hy2b	0743	0749	41	347 242 N -SW	
Jul 20 Sun	beaconc	0831	0836	31	200 127 S -SE	
Jul 20 Sun	starlette	0832	0839	78	267 97 W -E	
Jul 20 Sun	lares2	0836	0923	76	185 32 S -NE	
Jul 20 Sun	stella	0906	0911	34	55 148 NE-SE	
Jul 20 Sun	hy2d	0931	0938	84	212 41 SW-NE	
Jul 20 Sun	hy2c	1014	1021	46	346 106 N -E	
Jul 20 Sun	sentinel3b	1017	1023	59	31 176 NE-S	
Jul 20 Sun	starlette	1021	1028	54	270 135 W -SE	
Jul 20 Sun	beaconc	1023	1030	37	230 133 SW-SE	
Jul 20 Sun	stella	1046	1051	42	339 235 N -SW	
Jul 20 Sun	sentinel3a	1055	1102	69	6 209 N -SW	
Jul 20 Sun	hy2d	1120	1125	32	298 16 NW-N	
Jul 20 Sun	hy2c	1201	1208	50	299 175 NW-S	
Jul 20 Sun	sentinel6a	1208	1217	50	175 54 S -NE	
Jul 20 Sun	jason3	1223	1233	61	190 48 S -NE	
Jul 20 Sun	swot	1229	1235	42	152 41 SE-NE	
Jul 20 Sun	lares2	1239	1325	54	274 55 W -NE	
Jul 20 Sun	lageos2	1244	1325	53	183 63 S -NE	
Jul 20 Sun	ajisai	1303	1313	53	208 84 SW-E	
Jul 20 Sun	lares	1354	1403	45	160 51 S -NE	
Jul 20 Sun	sentinel6a	1404	1414	56	255 32 W -NE	
Jul 20 Sun	swot	1414	1419	38	256 349 W -N	
Jul 20 Sun	jason3	1419	1429	48	263 31 W -NE	
Jul 20 Sun	ajisai	1504	1516	83	256 86 W -E	
Jul 20 Sun	lares	1551	1602	59	242 25 SW-NE	
Jul 20 Sun	sentinel6a	1604	1609	30	324 21 NW-N	
Jul 20 Sun	hy2b	1606	1611	32	92 13 E -N	
Jul 20 Sun	larets	1628	1634	66	4 208 N -SW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 20 Sun	swarmc	1642	1644	30	273 330 W -NW	RS
Jul 20 Sun	lageos2	1642	1730	87	258 84 W -E	
Jul 20 Sun	swarma	1642	1644	34	263 330 W -NW	
Jul 20 Sun	hy2d	1645	1653	66	330 128 NW-SE	
Jul 20 Sun	lares2	1648	1736	73	325 133 NW-SE	
Jul 20 Sun	icesat2	1658	1702	45	140 10 SE-N	
Jul 20 Sun	ajisai	1705	1717	77	277 115 W -SE	
Jul 20 Sun	cryosat2	1721	1727	59	196 343 S -N	
Jul 20 Sun	paz	1733	1737	58	186 338 S -N	
Jul 20 Sun	hy2b	1748	1755	56	195 332 S -NW	
Jul 20 Sun	terrasarx	1801	1804	33	225 312 SW-NW	
Jul 20 Sun	tandemx	1802	1804	32	248 309 W -NW	
Jul 20 Sun	sentinel6a	1802	1808	31	347 55 N -NE	
Jul 20 Sun	jason3	1816	1822	33	348 60 N -NE	
Jul 20 Sun	saral	1827	1833	74	21 191 N -S	
Jul 20 Sun	lageos1	1839	1907	34	51 134 NE-SE	
Jul 20 Sun	ajisai	1908	1917	42	266 165 W -S	
Jul 20 Sun	gracefo1	1947	1950	33	111 26 E -NE	
Jul 20 Sun	sentinel6a	1957	2008	63	329 120 NW-SE	
Jul 20 Sun	jason3	2011	2021	71	329 129 NW-SE	
Jul 20 Sun	stella	2030	2036	77	160 346 S -N	
Jul 20 Sun	sentinel3a	2041	2046	51	122 3 SE-N	
Jul 20 Sun	lares2	2047	2121	41	321 228 NW-SW	
Jul 20 Sun	lageos2	2047	2134	71	295 148 NW-SE	
Jul 20 Sun	sentinel3b	2142	2148	54	194 332 S -NW	
Jul 20 Sun	swarmb	2151	2155	38	326 212 NW-SW	
Jul 20 Sun	lares	2153	2203	43	345 100 N -E	
Jul 20 Sun	sentinel6a	2154	2203	43	297 188 NW-S	
Jul 20 Sun	jason3	2207	2214	35	289 205 W -SW	
Jul 20 Sun	lageos1	2209	2252	84	33 227 NE-SW	
Jul 20 Sun	sentinel3a	2222	2225	28	248 302 W -NW	
Jul 20 Sun	swot	2308	2315	86	341 164 N -S	
Jul 20 Sun	lares	2351	0002	68	319 168 NW-S	
Jul 21 Mon	lageos1	0140	0217	52	51 294 NE-NW	
Jul 21 Mon	larets	0200	0203	32	85 19 E -N	
Jul 21 Mon	hy2c	0317	0325	78	209 42 SW-NE	
Jul 21 Mon	larets	0337	0341	36	233 321 SW-NW	
Jul 21 Mon	swarmc	0355	0358	49	327 207 NW-SW	
Jul 21 Mon	swarma	0355	0359	53	338 194 N -S	
Jul 21 Mon	saral	0411	0415	32	88 13 E -N	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 21 Mon	lageos1	0504	0546	71	112 325 E -NW	CP

Jul 21 Mon	hy2c	0506	0512	33	288	19	W	-N
Jul 21 Mon	starlette	0515	0520	36	187	95	S	-E
Jul 21 Mon	cryosat2	0518	0524	82	6	186	N	-S
Jul 21 Mon	saral	0549	0555	43	207	327	SW	-NW
Jul 21 Mon	icesat2	0553	0557	59	339	201	N	-S
Jul 21 Mon	hy2b	0622	0629	60	34	177	NE	-S
Jul 21 Mon	paz	0632	0636	78	16	192	N	-S
Jul 21 Mon	tandemx	0700	0704	46	348	221	N	-SW
Jul 21 Mon	terrasarx	0700	0704	46	344	220	N	-SW
Jul 21 Mon	starlette	0703	0709	69	246	87	SW	-E
Jul 21 Mon	lares2	0710	0751	51	150	34	SE	-NE
Jul 21 Mon	hy2d	0804	0808	31	140	77	SE	-E
Jul 21 Mon	hy2b	0806	0810	30	328	264	NW	-W
Jul 21 Mon	gracefo1	0838	0841	40	322	220	NW	-SW
Jul 21 Mon	lageos1	0840	0919	49	195	323	S	-NW
Jul 21 Mon	starlette	0852	0859	71	269	107	W	-E
Jul 21 Mon	beaconc	0939	0945	37	223	132	SW	-SE
Jul 21 Mon	hy2d	0949	0957	65	238	33	SW	-NE
Jul 21 Mon	sentinel3b	0952	0957	37	58	155	NE	-SE
Jul 21 Mon	swarmb	1006	1010	44	217	342	SW	-N
Jul 21 Mon	stella	1019	1025	64	2	212	N	-SW
Jul 21 Mon	sentinel3a	1029	1036	76	21	189	N	-S
Jul 21 Mon	hy2c	1032	1040	65	333	126	NW	-SE
Jul 21 Mon	starlette	1041	1047	41	255	152	W	-SE
Jul 21 Mon	lares2	1102	1150	65	243	41	SW	-NE
Jul 21 Mon	lageos2	1104	1126	30	133	75	SE	-E
Jul 21 Mon	sentinel3b	1131	1136	37	345	245	N	-SW
Jul 21 Mon	ajisai	1210	1219	41	186	86	S	-E
Jul 21 Mon	hy2c	1220	1225	32	280	204	W	-SW
Jul 21 Mon	sentinel6a	1230	1240	71	200	44	S	-NE
Jul 21 Mon	swot	1230	1236	49	156	35	SE	-NE
Jul 21 Mon	jason3	1238	1248	77	207	42	SW	-NE
Jul 21 Mon	ajisai	1409	1421	77	245	82	SW	-E
Jul 21 Mon	swot	1415	1420	33	266	350	W	-N
Jul 21 Mon	sentinel6a	1427	1436	44	273	26	W	-NE
Jul 21 Mon	jason3	1435	1443	40	283	24	W	-NE
Jul 21 Mon	lares	1446	1458	81	207	33	SW	-NE
Jul 21 Mon	lageos2	1447	1535	80	228	68	SW	-E
Jul 21 Mon	lares2	1514	1600	58	315	101	NW	-E
Jul 21 Mon	hy2d	1517	1522	33	355	75	N	-E
Jul 21 Mon	larets	1528	1531	35	70	142	E	-SE
Jul 21 Mon	swarma	1602	1606	76	178	4	S	-N
Jul 21 Mon	swarmc	1602	1605	81	190	359	S	-N
Jul 21 Mon	ajisai	1611	1623	81	273	103	W	-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 21 Mon	hy2b	1627	1634	44	117 0	SE-N VS
Jul 21 Mon	cryosat2	1631	1637	52	144 8	SE-N
Jul 21 Mon	lares	1647	1655	36	286 15	W -N
Jul 21 Mon	hy2d	1704	1711	81	317 149	NW-SE
Jul 21 Mon	larets	1705	1709	34	328 242	NW-SW
Jul 21 Mon	paz	1716	1720	70	156 350	SE-N
Jul 21 Mon	tandemx	1744	1748	50	204 333	SW-NW
Jul 21 Mon	terrasarx	1744	1748	51	209 334	SW-NW
Jul 21 Mon	saral	1755	1801	44	40 163	NE-S
Jul 21 Mon	hy2b	1811	1816	39	224 315	SW-NW
Jul 21 Mon	ajisai	1813	1824	53	275 146	W -SE
Jul 21 Mon	sentinel6a	1824	1832	36	339 74	N -E
Jul 21 Mon	jason3	1831	1838	38	348 77	N -E
Jul 21 Mon	lageos2	1851	1940	88	285 116	W -SE

Jul 21 Mon	lares2	1914	1959	64	327 189	NW-S
Jul 21 Mon	saral	1935	1939	32	334 257	NW-W
Jul 21 Mon	stella	2004	2010	54	127 356	SE-N
Jul 21 Mon	sentinel3a	2016	2020	33	90 14	E -N
Jul 21 Mon	sentinel6a	2020	2031	84	323 140	NW-SE
Jul 21 Mon	jason3	2025	2036	85	321 144	NW-SE
Jul 21 Mon	lageos1	2046	2130	72	34 198	NE-S
Jul 21 Mon	gracefo1	2049	2052	37	240 334	SW-NW
Jul 21 Mon	lares	2050	2056	30	360 64	N -NE
Jul 21 Mon	sentinel3b	2116	2122	75	165 344	S -N
Jul 21 Mon	swarmb	2128	2132	57	343 193	N -S
Jul 21 Mon	stella	2146	2148	26	265 299	W -NW
Jul 21 Mon	sentinel3a	2155	2200	44	214 323	SW-NW
Jul 21 Mon	sentinel6a	2218	2223	28	276 221	W -SW
Jul 21 Mon	jason3	2224	2226	25	261 239	W -SW
Jul 21 Mon	lares	2247	2258	74	334 137	NW-SE
Jul 21 Mon	lageos2	2257	2333	42	293 195	NW-S
Jul 21 Mon	swot	2309	2316	75	335 172	NW-S
Jul 22 Tue	lageos1	0019	0058	58	40 273	NE-W
Jul 22 Tue	lares	0046	0053	33	293 216	NW-SW
Jul 22 Tue	hy2c	0151	0155	28	135 75	SE-E
Jul 22 Tue	larets	0235	0240	63	139 354	SE-N
Jul 22 Tue	swarmc	0316	0319	59	22 159	N -S
Jul 22 Tue	swarma	0316	0320	48	25 159	NE-S
Jul 22 Tue	hy2c	0336	0344	71	235 35	SW-NE
Jul 22 Tue	lageos1	0345	0424	58	85 318	E -NW
Jul 22 Tue	cryosat2	0428	0432	35	46 134	NE-SE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 22 Tue	saral	0517	0523	74	172 341 S -N	TS
Jul 22 Tue	icesat2	0527	0531	64	16 178 N -S	
Jul 22 Tue	starlette	0533	0539	50	217 91 SW-E	
Jul 22 Tue	lares2	0552	0615	31	105 45 E -NE	
Jul 22 Tue	cryosat2	0607	0611	33	321 237 NW-SW	
Jul 22 Tue	paz	0615	0619	51	36 173 NE-S	
Jul 22 Tue	tandemx	0643	0647	65	5 203 N -SW	
Jul 22 Tue	terrasarx	0643	0647	67	3 202 N -S	
Jul 22 Tue	hy2b	0644	0651	84	20 194 N -S	
Jul 22 Tue	lageos1	0714	0757	73	162 328 S -NW	
Jul 22 Tue	starlette	0722	0729	77	260 91 W -E	
Jul 22 Tue	gracefo1	0806	0810	68	359 183 N -S	
Jul 22 Tue	hy2d	0821	0828	48	175 53 S -NE	
Jul 22 Tue	beaconc	0855	0901	36	213 125 SW-SE	
Jul 22 Tue	hy2c	0904	0909	32	360 76 N -E	
Jul 22 Tue	starlette	0911	0918	64	269 120 W -SE	
Jul 22 Tue	lares2	0928	1017	85	210 34 SW-NE	
Jul 22 Tue	swarmb	0943	0947	65	193 356 S -N	
Jul 22 Tue	stella	0952	0958	77	22 189 N -S	
Jul 22 Tue	sentinel3a	1004	1009	48	45 162 NE-S	
Jul 22 Tue	hy2d	1008	1015	47	262 25 W -NE	
Jul 22 Tue	beaconc	1048	1053	30	224 156 SW-SE	
Jul 22 Tue	hy2c	1050	1058	80	320 146 NW-SE	
Jul 22 Tue	jason3	1100	1106	30	139 71 SE-E	
Jul 22 Tue	sentinel3b	1105	1111	57	359 219 N -SW	
Jul 22 Tue	ajisai	1117	1124	31	165 96 S -E	
Jul 22 Tue	sentinel3a	1144	1148	31	332 257 NW-W	

Jul 22 Tue	swot	1230	1237	59	170	29	S -NE
Jul 22 Tue	jason3	1252	1303	79	225	37	SW-NE
Jul 22 Tue	sentinel6a	1252	1303	82	223	37	SW-NE
Jul 22 Tue	lageos2	1256	1339	59	193	63	S -NE
Jul 22 Tue	ajisai	1315	1327	67	231	80	SW-E
Jul 22 Tue	lares2	1337	1422	52	295	71	NW-E
Jul 22 Tue	lares	1343	1353	50	170	46	S -NE
Jul 22 Tue	jason3	1451	1458	35	301	25	NW-NE
Jul 22 Tue	sentinel6a	1451	1459	36	294	27	NW-NE
Jul 22 Tue	ajisai	1517	1529	82	267	94	W -E
Jul 22 Tue	swarmc	1523	1526	36	125	28	SE-NE
Jul 22 Tue	swarma	1524	1526	31	95	35	E -NE
Jul 22 Tue	hy2d	1535	1542	44	345	102	N -E
Jul 22 Tue	lares	1541	1551	53	250	22	W -N
Jul 22 Tue	larets	1603	1608	70	25	184	NE-S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 22 Tue	hy2b	1649	1656	60	135 354	SE-N MW
Jul 22 Tue	lageos2	1656	1744	86	264 89	W -E
Jul 22 Tue	paz	1659	1703	50	125 360	SE-N
Jul 22 Tue	ajisai	1719	1730	65	277 131	W -SE
Jul 22 Tue	cryosat2	1720	1725	55	208 340	SW-N
Jul 22 Tue	hy2d	1722	1729	53	304 173	NW-S
Jul 22 Tue	terrasarx	1726	1731	81	171 344	S -N
Jul 22 Tue	tandemx	1727	1731	77	175 344	S -N
Jul 22 Tue	lares2	1741	1830	89	327 157	NW-SE
Jul 22 Tue	icesat2	1741	1744	42	228 331	SW-NW
Jul 22 Tue	jason3	1845	1854	45	338 94	N -E
Jul 22 Tue	sentinel6a	1847	1856	45	339 94	N -E
Jul 22 Tue	saral	1903	1909	53	354 221	N -SW
Jul 22 Tue	lageos1	1924	2003	48	39 165	NE-S
Jul 22 Tue	stella	1938	1942	34	99 18	E -N
Jul 22 Tue	gracefol	2017	2021	78	188 357	S -N
Jul 22 Tue	jason3	2040	2051	69	314 160	NW-S
Jul 22 Tue	sentinel6a	2043	2053	68	313 160	NW-S
Jul 22 Tue	sentinel3b	2050	2056	58	138 357	SE-N
Jul 22 Tue	lageos2	2100	2147	66	297 156	NW-SE
Jul 22 Tue	swarmb	2105	2109	66	8 173	N -S
Jul 22 Tue	stella	2117	2122	41	210 318	SW-NW
Jul 22 Tue	swot	2127	2129	26	46 79	NE-E
Jul 22 Tue	sentinel3a	2128	2135	70	178 339	S -N
Jul 22 Tue	lares	2143	2153	47	346 106	N -E
Jul 22 Tue	lares2	2145	2201	27	307 266	NW-W
Jul 22 Tue	lageos1	2257	2339	72	34 246	NE-SW
Jul 22 Tue	swot	2309	2316	63	331 182	NW-S
Jul 22 Tue	lares	2341	2351	60	314 176	NW-S
Jul 23 Wed	hy2c	0208	0214	44	168 59	S -NE
Jul 23 Wed	lageos1	0226	0303	52	63 307	NE-NW
Jul 23 Wed	larets	0311	0316	61	191 335	S -NW
Jul 23 Wed	hy2c	0355	0402	50	262 28	W -NE

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 23 Wed	saral	0446	0451	60	133 358 SE-N	AS
Jul 23 Wed	icesat2	0501	0505	37	37 152 NE-SE	
Jul 23 Wed	cryosat2	0516	0522	73	2 190 N -S	
Jul 23 Wed	lageos1	0551	0634	83	131 328 SE-NW	
Jul 23 Wed	starlette	0552	0559	65	235 85 SW-E	
Jul 23 Wed	paz	0558	0601	34	54 144 NE-SE	
Jul 23 Wed	terrasarx	0626	0630	66	30 184 NE-S	
Jul 23 Wed	tandemx	0626	0630	60	27 184 NE-S	
Jul 23 Wed	hy2b	0706	0713	70	6 212 N -SW	
Jul 23 Wed	gracefo1	0735	0738	43	48 150 NE-SE	
Jul 23 Wed	starlette	0741	0748	81	268 99 W -E	
Jul 23 Wed	lares2	0758	0845	69	177 32 S -NE	
Jul 23 Wed	beaconc	0811	0816	35	203 126 SW-SE	
Jul 23 Wed	hy2d	0839	0846	74	203 44 SW-NE	
Jul 23 Wed	swarmb	0920	0924	59	162 10 S -N	
Jul 23 Wed	hy2c	0922	0928	41	349 94 N -E	
Jul 23 Wed	stella	0926	0931	48	44 162 NE-S	
Jul 23 Wed	starlette	0930	0937	51	266 136 W -SE	
Jul 23 Wed	lageos1	0935	1004	35	224 312 SW-NW	
Jul 23 Wed	sentinel3a	0939	0942	30	72 130 E -SE	
Jul 23 Wed	beaconc	1003	1009	32	229 146 SW-SE	
Jul 23 Wed	hy2d	1027	1033	35	283 17 W -N	
Jul 23 Wed	sentinel3b	1039	1046	85	16 196 N -S	
Jul 23 Wed	stella	1106	1110	30	331 257 NW-W	
Jul 23 Wed	hy2c	1109	1116	58	304 168 NW-S	
Jul 23 Wed	jason3	1113	1122	42	165 56 S -NE	
Jul 23 Wed	lageos2	1113	1142	35	147 69 SE-E	
Jul 23 Wed	sentinel3a	1118	1123	47	345 232 N -SW	
Jul 23 Wed	sentinel6a	1120	1129	44	169 57 S -NE	
Jul 23 Wed	lares2	1159	1245	56	267 50 W -NE	
Jul 23 Wed	ajisai	1222	1233	55	212 80 SW-E	
Jul 23 Wed	swot	1231	1238	67	178 24 S -NE	
Jul 23 Wed	jason3	1308	1318	64	245 33 SW-NE	
Jul 23 Wed	sentinel6a	1315	1326	62	244 33 SW-NE	
Jul 23 Wed	ajisai	1423	1435	83	258 87 W -E	
Jul 23 Wed	lares	1436	1447	85	214 31 SW-NE	
Jul 23 Wed	lageos2	1500	1549	84	236 71 SW-E	
Jul 23 Wed	jason3	1507	1513	31	317 26 NW-NE	
Jul 23 Wed	sentinel6a	1515	1521	31	313 22 NW-N	
Jul 23 Wed	hy2d	1553	1601	60	333 122 NW-SE	

OBSERVING SCHEDULE (Times are in U.T.)										
Date			Satellite	Start	End	Elev	Direction			Observer
Jul 23	Wed		lares2	1608	1657	68	322	125	NW-SE	RS
Jul 23	Wed		swarmc	1618	1620	35	257	330	W -NW	
Jul 23	Wed		swarma	1618	1621	42	243	344	SW-N	
Jul 23	Wed		ajisai	1625	1636	75	276	117	W -SE	
Jul 23	Wed		cryosat2	1629	1635	57	150	7	SE-N	
Jul 23	Wed		lares	1637	1644	33	292	10	W -N	
Jul 23	Wed		larets	1639	1644	54	357	221	N -SW	
Jul 23	Wed		paz	1642	1645	33	104	19	E -N	
Jul 23	Wed		terrasarx	1709	1713	64	147	357	SE-N	
Jul 23	Wed		tandemx	1710	1714	65	138	354	SE-N	
Jul 23	Wed		hy2b	1711	1718	82	157	346	SE-N	
Jul 23	Wed		sentinel6a	1714	1720	30	347	54	N -NE	
Jul 23	Wed		icesat2	1715	1719	76	183	353	S -N	
Jul 23	Wed		hy2d	1741	1746	34	285	204	W -SW	
Jul 23	Wed		ajisai	1827	1836	39	266	169	W -S	
Jul 23	Wed		saral	1831	1837	81	17	194	N -S	
Jul 23	Wed		jason3	1900	1910	54	335	111	NW-E	
Jul 23	Wed		lageos2	1905	1954	85	288	123	W -SE	
Jul 23	Wed		sentinel6a	1909	1920	58	331	115	NW-SE	
Jul 23	Wed		gracefo1	1945	1949	43	141	16	SE-N	
Jul 23	Wed		lares2	2007	2046	47	324	216	NW-SW	
Jul 23	Wed		sentinel3b	2025	2030	38	108	9	E -N	
Jul 23	Wed		lares	2039	2046	32	354	70	N -E	
Jul 23	Wed		swarmb	2042	2046	46	33	155	NE-SE	
Jul 23	Wed		stella	2050	2056	65	181	336	S -NW	
Jul 23	Wed		jason3	2055	2105	52	306	177	NW-S	
Jul 23	Wed		sentinel3a	2102	2109	74	152	349	SE-N	
Jul 23	Wed		sentinel6a	2106	2115	49	300	182	NW-S	
Jul 23	Wed		swot	2127	2131	30	34	100	NE-E	
Jul 23	Wed		lageos1	2135	2219	87	33	218	NE-SW	
Jul 23	Wed		sentinel3b	2205	2210	37	224	321	SW-NW	
Jul 23	Wed		lares	2236	2248	78	331	143	NW-SE	
Jul 23	Wed		swot	2310	2317	55	324	188	NW-S	
Jul 23	Wed		lageos2	2311	2343	37	291	207	W -SW	
Jul 24	Thu		lares	0036	0042	29	286	224	W -SW	
Jul 24	Thu		lageos1	0107	0144	53	46	288	NE-W	
Jul 24	Thu		larets	0210	0214	39	112	14	E -N	
Jul 24	Thu		hy2c	0225	0233	69	201	45	S -NE	
Jul 24	Thu		swarmc	0331	0335	53	342	193	N -S	
Jul 24	Thu		swarma	0331	0335	68	350	187	N -S	

OBSERVING SCHEDULE		(Times are in U.T.)					Observer
Date	Satellite	Start	End	Elev	Direction		
Jul 24 Thu	hy2c	0414	0420	37	284	21 W -N	VS
Jul 24 Thu	saral	0415	0419	34	97	16 E -N	
Jul 24 Thu	starlette	0423	0429	37	198	91 S -E	
Jul 24 Thu	cryosat2	0426	0431	38	40	145 NE-SE	
Jul 24 Thu	lageos1	0431	0512	65	103	323 E -NW	
Jul 24 Thu	hy2b	0546	0551	34	63	144 NE-SE	
Jul 24 Thu	saral	0554	0559	40	219	323 SW-NW	
Jul 24 Thu	cryosat2	0606	0609	31	304	243 NW-SW	

Jul 24 Thu	terrasarx	0609	0612	44	53	159	NE-S
Jul 24 Thu	tandemx	0609	0613	43	47	167	NE-S
Jul 24 Thu	icesat2	0610	0612	30	307	246	NW-SW
Jul 24 Thu	starlette	0611	0618	76	251	87	W -E
Jul 24 Thu	lares2	0634	0712	45	140	35	SE-NE
Jul 24 Thu	paz	0715	0718	33	327	242	NW-SW
Jul 24 Thu	beaconc	0726	0731	32	206	129	SW-SE
Jul 24 Thu	hy2b	0728	0735	51	356	228	N -SW
Jul 24 Thu	starlette	0800	0807	74	272	110	W -E
Jul 24 Thu	lageos1	0804	0845	57	183	325	S -NW
Jul 24 Thu	hy2d	0857	0905	72	230	35	SW-NE
Jul 24 Thu	swarmb	0857	0901	39	135	21	SE-N
Jul 24 Thu	beaconc	0919	0924	34	222	145	SW-SE
Jul 24 Thu	hy2c	0940	0947	58	336	116	NW-SE
Jul 24 Thu	starlette	0950	0955	38	248	159	W -S
Jul 24 Thu	sentinel3b	1013	1019	57	32	171	NE-S
Jul 24 Thu	lares2	1022	1111	70	234	38	SW-NE
Jul 24 Thu	stella	1039	1045	47	349	227	N -SW
Jul 24 Thu	sentinel3a	1052	1058	72	5	207	N -SW
Jul 24 Thu	jason3	1127	1137	56	185	49	S -NE
Jul 24 Thu	ajisai	1128	1138	43	196	86	S -E
Jul 24 Thu	hy2c	1128	1133	37	283	198	W -S
Jul 24 Thu	sentinel6a	1142	1152	64	192	47	S -NE
Jul 24 Thu	swot	1231	1238	79	190	21	S -N
Jul 24 Thu	lageos2	1308	1353	65	202	63	S -NE
Jul 24 Thu	jason3	1323	1332	51	261	27	W -NE
Jul 24 Thu	ajisai	1329	1340	78	246	83	SW-E
Jul 24 Thu	lares	1332	1343	57	179	42	S -NE
Jul 24 Thu	sentinel6a	1339	1348	47	268	27	W -NE
Jul 24 Thu	hy2d	1425	1430	31	357	72	N -E
Jul 24 Thu	lares2	1434	1520	55	311	93	NW-E
Jul 24 Thu	ajisai	1530	1542	82	274	105	W -E
Jul 24 Thu	lares	1531	1541	49	259	22	W -N
Jul 24 Thu	swarma	1538	1542	58	166	9	S -N
Jul 24 Thu	swarmc	1538	1542	70	174	5	S -N
Jul 24 Thu	larets	1538	1543	43	45	161	NE-S
Jul 24 Thu	hy2d	1611	1619	87	322	142	NW-SE
Jul 24 Thu	icesat2	1649	1653	48	143	8	SE-N
Jul 24 Thu	tandemx	1653	1656	42	112	12	E -N
Jul 24 Thu	terrasarx	1653	1656	41	104	9	E -N

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 24 Thu	lageos2	1710	1759	85	270 95 W -E	AS
Jul 24 Thu	cryosat2	1718	1723	50	209 336 SW-NW	
Jul 24 Thu	jason3	1720	1726	32	349 60 N -NE	
Jul 24 Thu	ajisai	1732	1743	51	275 149 W -SE	
Jul 24 Thu	hy2b	1733	1740	71	179 336 S -NW	
Jul 24 Thu	sentinel6a	1736	1744	34	340 71 N -E	
Jul 24 Thu	paz	1759	1802	34	233 318 SW-NW	
Jul 24 Thu	saral	1800	1805	48	45 164 NE-S	
Jul 24 Thu	lares2	1835	1921	71	327 181 NW-S	
Jul 24 Thu	jason3	1915	1925	68	331 125 NW-SE	
Jul 24 Thu	sentinel6a	1932	1943	77	326 133 NW-SE	
Jul 24 Thu	saral	1940	1943	30	322 264 NW-W	
Jul 24 Thu	lageos1	2012	2055	64	35 188 NE-S	
Jul 24 Thu	stella	2023	2030	76	153 349 SE-N	
Jul 24 Thu	sentinel3a	2037	2043	47	123 360 SE-N	
Jul 24 Thu	jason3	2111	2118	38	290 201 W -S	
Jul 24 Thu	lageos2	2114	2159	60	297 165 NW-S	
Jul 24 Thu	swot	2127	2132	35	21 108 N -E	
Jul 24 Thu	sentinel6a	2129	2136	33	288 208 W -SW	
Jul 24 Thu	lares	2132	2143	51	341 113 N -SE	
Jul 24 Thu	sentinel3b	2138	2144	59	188 332 S -NW	

Jul 24 Thu	sentinel3a	2218	2221	29	241 299	SW-NW
Jul 24 Thu	swot	2311	2317	46	316 199	NW-S
Jul 24 Thu	lares	2330	2341	54	314 181	NW-S
Jul 24 Thu	lageos1	2345	0025	62	38 264	NE-W
Jul 25 Fri	hy2c	0244	0252	80	226 37	SW-NE
Jul 25 Fri	larets	0246	0251	76	154 348	SE-N
Jul 25 Fri	swarmc	0252	0256	45	26 156	NE-SE
Jul 25 Fri	swarma	0253	0256	39	54 149	NE-SE
Jul 25 Fri	lageos1	0312	0350	55	77 315	E -NW
Jul 25 Fri	starlette	0442	0448	51	217 88	SW-E

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 25 Fri	cryosat2	0514	0520	73	359 194 N -S	CP
Jul 25 Fri	saral	0521	0528	73	176 340 S -N	
Jul 25 Fri	icesat2	0544	0547	55	335 210 NW-SW	
Jul 25 Fri	hy2b	0607	0614	48	40 165 NE-S	
Jul 25 Fri	starlette	0630	0637	78	262 92 W -E	
Jul 25 Fri	lageos1	0639	0723	81	151 328 SE-NW	
Jul 25 Fri	paz	0658	0701	50	337 224 NW-SW	
Jul 25 Fri	hy2d	0729	0736	42	167 56 S -NE	
Jul 25 Fri	hy2b	0751	0756	37	336 250 NW-W	
Jul 25 Fri	gracefol	0805	0809	59	340 195 N -S	
Jul 25 Fri	starlette	0819	0826	62	272 124 W -SE	
Jul 25 Fri	beaconc	0834	0840	35	227 136 SW-SE	
Jul 25 Fri	lares2	0849	0938	88	201 33 S -NE	
Jul 25 Fri	hy2d	0916	0923	53	256 27 W -NE	
Jul 25 Fri	sentinel3b	0948	0953	35	55 150 NE-SE	
Jul 25 Fri	hy2c	0958	1006	78	324 138 NW-SE	
Jul 25 Fri	stella	1012	1018	74	9 207 N -SW	
Jul 25 Fri	sentinel3a	1026	1032	68	27 185 NE-S	
Jul 25 Fri	ajisai	1036	1043	32	168 96 S -E	
Jul 25 Fri	lageos2	1123	1157	41	160 65 S -NE	
Jul 25 Fri	sentinel3b	1128	1133	40	337 236 NW-SW	
Jul 25 Fri	jason3	1142	1152	74	202 43 S -NE	
Jul 25 Fri	sentinel6a	1204	1215	86	216 39 SW-NE	
Jul 25 Fri	lares	1231	1237	31	131 66 SE-NE	
Jul 25 Fri	swot	1232	1239	84	200 17 S -N	
Jul 25 Fri	ajisai	1235	1246	69	232 81 SW-E	
Jul 25 Fri	lares2	1257	1342	52	289 65 W -NE	
Jul 25 Fri	jason3	1338	1347	42	273 26 W -NE	
Jul 25 Fri	sentinel6a	1403	1411	38	292 27 W -NE	
Jul 25 Fri	lares	1426	1437	77	222 30 SW-NE	
Jul 25 Fri	ajisai	1436	1448	82	269 96 W -E	
Jul 25 Fri	hy2d	1443	1449	40	347 90 N -E	
Jul 25 Fri	lageos2	1514	1603	87	243 75 SW-E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 25 Fri	hy2b	1613	1618	36	100 15 E -N	TS
Jul 25 Fri	larets	1614	1620	80	16 196 N -S	
Jul 25 Fri	lares	1627	1634	31	298 12 NW-N	
Jul 25 Fri	cryosat2	1628	1633	64	149 5 SE-N	
Jul 25 Fri	hy2d	1630	1637	61	308 166 NW-S	
Jul 25 Fri	ajisai	1638	1649	63	277 134 W -SE	
Jul 25 Fri	lares2	1702	1751	84	326 149 NW-SE	
Jul 25 Fri	jason3	1734	1742	36	340 76 N -E	
Jul 25 Fri	paz	1741	1745	51	196 331 S -NW	
Jul 25 Fri	hy2b	1755	1802	50	198 327 S -NW	
Jul 25 Fri	sentinel6a	1759	1808	41	341 90 N -E	
Jul 25 Fri	lageos1	1851	1926	41	44 152 NE-SE	
Jul 25 Fri	saral	1907	1913	49	355 226 N -SW	
Jul 25 Fri	lageos2	1919	2008	81	291 131 W -SE	
Jul 25 Fri	jason3	1929	1940	85	323 140 NW-SE	
Jul 25 Fri	sentinel6a	1955	2005	75	317 153 NW-SE	
Jul 25 Fri	stella	1957	2003	47	126 1 SE-N	
Jul 25 Fri	sentinel3a	2012	2016	31	94 19 E -N	
Jul 25 Fri	gracefo1	2015	2019	56	202 346 S -N	
Jul 25 Fri	lares	2029	2036	35	357 76 N -E	
Jul 25 Fri	lares2	2103	2128	32	315 250 NW-W	
Jul 25 Fri	sentinel3b	2112	2119	83	161 346 S -N	
Jul 25 Fri	jason3	2127	2131	27	272 226 W -SW	
Jul 25 Fri	swot	2127	2133	40	10 117 N -SE	
Jul 25 Fri	swarmb	2130	2133	34	322 229 NW-SW	
Jul 25 Fri	stella	2138	2142	29	237 309 SW-NW	
Jul 25 Fri	sentinel3a	2151	2156	47	206 322 SW-NW	
Jul 25 Fri	lageos1	2223	2306	78	33 237 NE-SW	
Jul 25 Fri	lares	2226	2237	87	328 149 NW-SE	
Jul 25 Fri	swot	2312	2317	40	307 211 NW-SW	
Jul 25 Fri	lageos2	2327	2352	31	285 221 W -SW	
Jul 26 Sat	lares	0027	0030	26	271 240 W -SW	
Jul 26 Sat	hy2c	0116	0122	38	161 62 S -NE	
Jul 26 Sat	larets	0147	0148	25	58 38 NE-NE	
Jul 26 Sat	lageos1	0153	0230	52	57 301 NE-NW	
Jul 26 Sat	hy2c	0302	0310	55	248 30 W -NE	
Jul 26 Sat	starlette	0314	0317	28	165 112 S -E	
Jul 26 Sat	larets	0322	0327	49	203 329 SW-NW	
Jul 26 Sat	swarma	0347	0350	34	311 219 NW-SW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 26 Sat	cryosat2	0424	0429	41	35 147 NE-SE	
Jul 26 Sat	saral	0450	0456	62	141 353 SE-N	
Jul 26 Sat	starlette	0501	0507	64	236 87 SW-E	
Jul 26 Sat	lageos1	0517	0600	77	121 327 SE-NW	
Jul 26 Sat	icesat2	0518	0522	68	13 180 N -S	
Jul 26 Sat	hy2b	0629	0636	67	28 182 NE-S	
Jul 26 Sat	paz	0640	0645	77	8 200 N -S	
Jul 26 Sat	starlette	0650	0656	73	268 101 W -E	
Jul 26 Sat	tandemx	0709	0712	39	330 235 NW-SW	
Jul 26 Sat	terrasarx	0709	0712	39	322 231 NW-SW	
Jul 26 Sat	lares2	0721	0806	63	167 32 S -NE	
Jul 26 Sat	gracefo1	0733	0737	55	18 166 N -S	
Jul 26 Sat	hy2d	0747	0754	65	194 48 S -NE	
Jul 26 Sat	beaconc	0750	0756	35	219 128 SW-SE	
Jul 26 Sat	hy2c	0830	0836	38	351 90 N -E	
Jul 26 Sat	starlette	0839	0845	48	260 141 W -SE	
Jul 26 Sat	lageos1	0857	0932	42	209 319 SW-NW	
Jul 26 Sat	hy2d	0935	0941	38	279 19 W -N	
Jul 26 Sat	swarmb	0946	0949	39	248 339 W -N	
Jul 26 Sat	stella	0946	0952	68	30 184 NE-S	
Jul 26 Sat	sentinel3a	1000	1006	44	43 164 NE-S	
Jul 26 Sat	hy2c	1017	1024	66	309 161 NW-S	
Jul 26 Sat	sentinel6a	1033	1041	39	155 59 SE-NE	
Jul 26 Sat	sentinel3b	1101	1108	63	3 213 N -SW	
Jul 26 Sat	lares2	1119	1206	58	259 47 W -NE	
Jul 26 Sat	sentinel3a	1140	1145	33	337 248 NW-W	
Jul 26 Sat	ajisai	1141	1152	58	216 80 SW-E	
Jul 26 Sat	jason3	1156	1207	85	221 38 SW-NE	
Jul 26 Sat	sentinel6a	1227	1238	68	238 35 SW-NE	
Jul 26 Sat	swot	1232	1240	70	208 14 SW-N	
Jul 26 Sat	lageos2	1321	1407	70	211 64 SW-NE	
Jul 26 Sat	lares	1322	1333	63	184 39 S -NE	
Jul 26 Sat	ajisai	1342	1354	82	260 88 W -E	
Jul 26 Sat	jason3	1354	1402	36	291 26 W -NE	
Jul 26 Sat	sentinel6a	1427	1433	32	312 22 NW-N	
Jul 26 Sat	hy2d	1501	1509	54	336 116 NW-SE	
Jul 26 Sat	lares	1521	1530	45	267 18 W -N	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 26 Sat	lares2	1529	1617	64	320 117 NW-SE	RS
Jul 26 Sat	ajisai	1544	1556	73	277 119 W -SE	

Jul 26 Sat	swarmc	1554	1557	44	240	346	SW-N
Jul 26 Sat	swarma	1554	1557	54	223	348	SW-N
Jul 26 Sat	hy2b	1634	1641	49	125	360	SE-N
Jul 26 Sat	hy2d	1649	1655	39	289	189	W -S
Jul 26 Sat	larets	1650	1655	45	350	231	N -SW
Jul 26 Sat	cryosat2	1716	1722	45	211	339	SW-N
Jul 26 Sat	paz	1724	1728	67	171	344	S -N
Jul 26 Sat	lageos2	1724	1813	86	276	102	W -E
Jul 26 Sat	icesat2	1732	1735	40	232	330	SW-NW
Jul 26 Sat	ajisai	1746	1755	37	266	172	W -S
Jul 26 Sat	jason3	1749	1758	43	340	92	N -E
Jul 26 Sat	terrasarx	1752	1756	39	210	326	SW-NW
Jul 26 Sat	tandemx	1753	1756	41	229	323	SW-NW
Jul 26 Sat	hy2b	1818	1824	35	223	318	SW-NW
Jul 26 Sat	sentinel6a	1821	1831	53	333	106	NW-E
Jul 26 Sat	saral	1835	1842	85	14	198	N -S
Jul 26 Sat	lares2	1928	2009	53	326	207	NW-SW
Jul 26 Sat	stella	1932	1936	31	86	14	E -N
Jul 26 Sat	gracefo1	1944	1948	65	155	7	SE-N
Jul 26 Sat	jason3	1944	1955	74	316	155	NW-SE
Jul 26 Sat	sentinel6a	2018	2027	55	304	176	NW-S
Jul 26 Sat	sentinel3b	2047	2052	56	128	0	SE-N
Jul 26 Sat	lageos1	2100	2144	80	33	208	NE-SW
Jul 26 Sat	swarmb	2107	2111	53	336	197	NW-S
Jul 26 Sat	stella	2110	2116	47	200	326	S -NW
Jul 26 Sat	lares	2122	2133	56	341	120	N -SE
Jul 26 Sat	sentinel3a	2125	2131	73	177	340	S -N
Jul 26 Sat	lageos2	2128	2211	54	297	174	NW-S
Jul 26 Sat	swot	2128	2134	46	9	127	N -SE
Jul 26 Sat	sentinel3b	2229	2230	25	266	284	W -W
Jul 26 Sat	swot	2313	2318	34	297	214	NW-SW
Jul 26 Sat	lares	2320	2330	48	308	189	NW-S
Jul 27 Sun	lageos1	0033	0111	55	43	280	NE-W
Jul 27 Sun	hy2c	0134	0141	60	187	48	S -NE
Jul 27 Sun	larets	0221	0226	47	121	0	SE-N
Jul 27 Sun	swarmc	0307	0311	71	352	184	N -S
Jul 27 Sun	swarma	0308	0311	87	359	178	N -S
Jul 27 Sun	hy2c	0322	0328	40	280	22	W -N
Jul 27 Sun	starlette	0332	0337	41	196	95	S -E
Jul 27 Sun	lageos1	0358	0438	61	94	321	E -NW
Jul 27 Sun	saral	0419	0424	37	105	8	E -N
Jul 27 Sun	icesat2	0452	0456	39	37	155	NE-SE

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 27 Sun	cryosat2	0512	0518	71	357 198 N -S	
Jul 27 Sun	starlette	0520	0527	75	252 87 W -E	
Jul 27 Sun	saral	0558	0603	37	217 317 SW-NW	
Jul 27 Sun	lares2	0559	0632	40	128 38 SE-NE	
Jul 27 Sun	paz	0623	0627	64	26 181 NE-S	
Jul 27 Sun	terrasarx	0651	0655	59	357 213 N -SW	
Jul 27 Sun	hy2b	0651	0659	80	15 200 N -S	
Jul 27 Sun	tandemx	0652	0656	60	346 210 N -SW	
Jul 27 Sun	beaconc	0706	0711	35	210 130 SW-SE	
Jul 27 Sun	starlette	0709	0716	70	270 112 W -E	
Jul 27 Sun	lageos1	0729	0811	65	173 327 S -NW	
Jul 27 Sun	hy2d	0805	0813	79	221 38 SW-NE	
Jul 27 Sun	hy2c	0848	0855	52	340 110 N -E	
Jul 27 Sun	starlette	0858	0903	35	255 167 W -S	
Jul 27 Sun	stella	0919	0925	41	43 161 NE-S	

Jul 27 Sun	swarmb	0922	0926	57	202	353	S -N
Jul 27 Sun	lares2	0943	1032	75	225	37	SW-NE
Jul 27 Sun	hy2d	0955	0959	30	310	11	NW-N
Jul 27 Sun	jason3	1018	1025	39	153	63	SE-NE
Jul 27 Sun	sentinel3b	1035	1042	82	18	193	N -S
Jul 27 Sun	hy2c	1035	1042	43	298	184	NW-S
Jul 27 Sun	ajisai	1047	1057	46	200	86	S -E
Jul 27 Sun	sentinel6a	1054	1104	57	185	49	S -NE
Jul 27 Sun	stella	1100	1104	34	324	247	NW-SW
Jul 27 Sun	sentinel3a	1114	1120	49	351	225	N -SW
Jul 27 Sun	lageos2	1133	1211	47	173	64	S -NE
Jul 27 Sun	jason3	1211	1222	68	237	34	SW-NE
Jul 27 Sun	lares	1220	1227	35	140	60	SE-NE
Jul 27 Sun	swot	1233	1240	63	218	8	SW-N
Jul 27 Sun	ajisai	1248	1300	80	249	83	W -E
Jul 27 Sun	sentinel6a	1250	1300	52	257	29	W -NE
Jul 27 Sun	lares2	1354	1439	53	306	84	NW-E
Jul 27 Sun	jason3	1410	1416	32	307	18	NW-N
Jul 27 Sun	lares	1415	1426	70	228	27	SW-NE
Jul 27 Sun	ajisai	1449	1501	81	275	107	W -E
Jul 27 Sun	swarmc	1514	1518	54	162	11	S -N
Jul 27 Sun	swarma	1515	1518	52	135	16	SE-N
Jul 27 Sun	hy2d	1519	1527	78	325	135	NW-SE

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Date	Satellite	Start	End	Elev	Direction	Observer
Jul 27 Sun	lageos2	1528	1617	88	250 79 W -E	VS
Jul 27 Sun	larets	1549	1554	53	38 170 NE-S	
Jul 27 Sun	cryosat2	1626	1631	69	156 4 SE-N	
Jul 27 Sun	sentinel6a	1648	1655	32	341 61 N -NE	
Jul 27 Sun	ajisai	1652	1702	49	270 152 W -SE	
Jul 27 Sun	hy2b	1656	1703	67	143 352 SE-N	
Jul 27 Sun	icesat2	1706	1710	75	189 351 S -N	
Jul 27 Sun	paz	1707	1711	59	139 356 SE-N	
Jul 27 Sun	tandemx	1735	1739	61	185 336 S -NW	
Jul 27 Sun	terrasarx	1735	1739	61	189 338 S -N	
Jul 27 Sun	lares2	1756	1843	77	328 172 NW-S	
Jul 27 Sun	jason3	1804	1813	52	337 104 NW-E	
Jul 27 Sun	saral	1804	1810	51	38 172 NE-S	
Jul 27 Sun	sentinel6a	1844	1855	69	328 127 NW-SE	
Jul 27 Sun	gracefo1	1913	1915	30	98 38 E -NE	
Jul 27 Sun	lageos2	1933	2021	77	293 139 NW-SE	
Jul 27 Sun	lageos1	1938	2019	56	37 176 NE-S	
Jul 27 Sun	jason3	1959	2009	55	308 172 NW-S	
Jul 27 Sun	lares	2018	2027	37	351 89 N -E	
Jul 27 Sun	sentinel3b	2022	2026	36	94 13 E -N	
Jul 27 Sun	sentinel6a	2041	2049	37	290 197 W -S	
Jul 27 Sun	stella	2043	2050	76	172 340 S -N	
Jul 27 Sun	swarmb	2044	2048	74	1 178 N -S	
Jul 27 Sun	sentinel3a	2059	2105	67	146 352 SE-N	
Jul 27 Sun	swot	2128	2135	54	359 136 N -SE	
Jul 27 Sun	sentinel3b	2201	2206	40	217 320 SW-NW	
Jul 27 Sun	lares	2215	2227	81	325 156 NW-SE	
Jul 27 Sun	lageos1	2311	2353	66	36 255 NE-W	

Jul 27 Sun	swot	2314	2318	29	289 226 W -SW
Jul 27 Sun	lageos2	2345	2358	26	274 241 W -SW
Jul 28 Mon	hy2c	0152	0200	87	217 39 SW-NE
Jul 28 Mon	swarma	0229	0232	32	53 140 NE-SE
Jul 28 Mon	swarmc	0229	0232	36	58 147 NE-SE
Jul 28 Mon	lageos1	0239	0316	53	70 312 E -NW
Jul 28 Mon	larets	0257	0302	78	171 343 S -N
Jul 28 Mon	hy2c	0341	0346	31	299 15 NW-N
Jul 28 Mon	starlette	0351	0357	55	216 86 SW-E
Jul 28 Mon	cryosat2	0422	0428	43	30 156 NE-SE

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 28 Mon	saral	0526	0532	65	183 337 S -NW	AS
Jul 28 Mon	starlette	0539	0546	82	263 93 W -E	
Jul 28 Mon	lageos1	0605	0648	89	141 328 SE-NW	
Jul 28 Mon	paz	0606	0610	40	46 164 NE-S	
Jul 28 Mon	beaconc	0622	0627	33	200 123 S -SE	
Jul 28 Mon	terrasarx	0634	0638	73	16 193 N -S	
Jul 28 Mon	tandemx	0634	0639	87	15 193 N -S	
Jul 28 Mon	hy2d	0638	0643	36	150 66 SE-NE	
Jul 28 Mon	hy2b	0713	0720	62	4 219 N -SW	
Jul 28 Mon	starlette	0728	0735	59	269 126 W -SE	
Jul 28 Mon	gracefol	0804	0807	43	316 213 NW-SW	
Jul 28 Mon	lares2	0811	0859	81	192 32 S -NE	
Jul 28 Mon	beaconc	0814	0819	31	226 151 SW-SE	
Jul 28 Mon	hy2d	0824	0831	59	249 29 W -NE	
Jul 28 Mon	swarmb	0859	0903	68	169 6 S -N	
Jul 28 Mon	hy2c	0906	0914	71	328 131 NW-SE	
Jul 28 Mon	ajisai	0955	1003	34	172 89 S -E	
Jul 28 Mon	sentinel3b	1010	1016	52	40 172 NE-S	
Jul 28 Mon	jason3	1031	1041	52	180 50 S -NE	
Jul 28 Mon	stella	1032	1038	52	357 224 N -SW	
Jul 28 Mon	sentinel3a	1048	1054	72	9 204 N -SW	
Jul 28 Mon	sentinel6a	1116	1127	80	209 41 SW-NE	
Jul 28 Mon	ajisai	1154	1205	71	235 81 SW-E	
Jul 28 Mon	lares2	1216	1302	52	281 59 W -NE	
Jul 28 Mon	jason3	1227	1236	54	258 29 W -NE	
Jul 28 Mon	swot	1234	1241	55	229 6 SW-N	
Jul 28 Mon	lares	1311	1322	71	193 38 S -NE	
Jul 28 Mon	sentinel6a	1314	1323	41	280 28 W -NE	
Jul 28 Mon	lageos2	1334	1421	75	219 66 SW-NE	
Jul 28 Mon	hy2d	1351	1357	36	349 85 N -E	
Jul 28 Mon	ajisai	1355	1407	84	270 97 W -E	
Jul 28 Mon	lares	1511	1520	41	274 19 W -N	
Jul 28 Mon	hy2d	1538	1546	70	313 156 NW-SE	
Jul 28 Mon	ajisai	1557	1608	60	277 137 W -SE	

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 28 Mon	lares2	1623	1712	78	325 140 NW-SE	TS
Jul 28 Mon	jason3	1624	1630	31	351 60 N -NE	
Jul 28 Mon	larets	1625	1631	72	7 204 N -SW	
Jul 28 Mon	icesat2	1640	1644	53	145 6 SE-N	
Jul 28 Mon	paz	1650	1653	40	113 15 SE-N	
Jul 28 Mon	sentinel6a	1711	1719	38	342 80 N -E	
Jul 28 Mon	cryosat2	1715	1720	42	225 336 SW-NW	
Jul 28 Mon	tandemx	1718	1722	67	159 350 S -N	
Jul 28 Mon	terrasarx	1718	1722	74	156 349 SE-N	
Jul 28 Mon	hy2b	1718	1726	84	164 343 S -N	
Jul 28 Mon	lageos2	1738	1827	87	280 108 W -E	
Jul 28 Mon	jason3	1818	1829	64	329 122 NW-SE	
Jul 28 Mon	lageos1	1819	1847	34	51 134 NE-SE	
Jul 28 Mon	sentinel6a	1907	1917	80	320 146 NW-SE	
Jul 28 Mon	saral	1912	1917	46	346 232 N -SW	
Jul 28 Mon	jason3	2014	2023	41	299 190 NW-S	
Jul 28 Mon	gracefo1	2014	2018	38	222 340 SW-N	
Jul 28 Mon	stella	2017	2023	63	144 353 SE-N	
Jul 28 Mon	swarmb	2021	2025	52	31 160 NE-S	
Jul 28 Mon	lares2	2023	2054	37	319 236 NW-SW	
Jul 28 Mon	sentinel3a	2033	2039	44	123 3 SE-N	
Jul 28 Mon	lares	2111	2122	61	337 124 NW-SE	
Jul 28 Mon	swot	2129	2136	63	356 145 N -SE	
Jul 28 Mon	sentinel3b	2134	2141	64	183 337 S -NW	
Jul 28 Mon	lageos2	2143	2223	49	295 183 NW-S	
Jul 28 Mon	lageos1	2149	2233	84	33 228 NE-SW	
Jul 28 Mon	sentinel3a	2214	2218	31	235 310 SW-NW	
Jul 28 Mon	lares	2310	2319	42	303 198 NW-S	
Jul 28 Mon	swot	2316	2317	25	265 250 W -W	
Jul 29 Tue	hy2c	0025	0030	33	143 66 SE-NE	
Jul 29 Tue	lageos1	0120	0157	52	51 295 NE-NW	
Jul 29 Tue	larets	0157	0200	30	82 19 E -N	
Jul 29 Tue	hy2c	0210	0218	61	241 32 SW-NE	
Jul 29 Tue	starlette	0222	0226	30	177 106 S -E	
Jul 29 Tue	swarmc	0323	0326	36	310 216 NW-SW	
Jul 29 Tue	swarma	0323	0326	41	322 213 NW-SW	
Jul 29 Tue	larets	0333	0338	40	213 324 SW-NW	
Jul 29 Tue	starlette	0409	0416	68	242 86 SW-E	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 29 Tue	lageos1	0444	0526	71	112 325 E -NW	RS
Jul 29 Tue	saral	0454	0500	68	148 353 SE-N	
Jul 29 Tue	cryosat2	0511	0516	66	350 203 N -SW	
Jul 29 Tue	icesat2	0535	0538	52	329 212 NW-SW	
Jul 29 Tue	beaconc	0538	0542	31	189 127 S -SE	
Jul 29 Tue	hy2b	0553	0559	38	55 154 NE-SE	
Jul 29 Tue	starlette	0558	0605	79	270 103 W -E	
Jul 29 Tue	terrasarx	0617	0621	51	37 174 NE-S	
Jul 29 Tue	tandemx	0617	0621	55	32 172 NE-S	
Jul 29 Tue	lares2	0644	0727	56	158 33 S -NE	
Jul 29 Tue	hy2d	0655	0702	56	185 51 S -NE	
Jul 29 Tue	beaconc	0730	0735	33	219 141 SW-SE	
Jul 29 Tue	gracefo1	0732	0736	78	4 180 N -S	
Jul 29 Tue	hy2b	0736	0742	45	346 235 N -SW	
Jul 29 Tue	hy2c	0738	0743	35	354 76 N -E	
Jul 29 Tue	starlette	0747	0753	45	265 148 W -SE	
Jul 29 Tue	lageos1	0820	0859	49	195 323 S -NW	
Jul 29 Tue	swarmb	0836	0840	46	138 17 SE-N	
Jul 29 Tue	hy2d	0843	0849	42	275 21 W -N	
Jul 29 Tue	hy2c	0925	0932	76	314 153 NW-SE	
Jul 29 Tue	sentinel3b	0945	0949	33	69 145 E -SE	
Jul 29 Tue	sentinel6a	0946	0952	34	141 69 SE-E	
Jul 29 Tue	stella	1006	1012	80	12 201 N -S	
Jul 29 Tue	sentinel3a	1022	1028	65	28 181 NE-S	
Jul 29 Tue	lares2	1039	1126	62	250 43 W -NE	
Jul 29 Tue	jason3	1046	1056	69	197 44 S -NE	
Jul 29 Tue	swot	1052	1056	33	123 52 SE-NE	
Jul 29 Tue	ajisai	1100	1111	60	219 81 SW-E	VS
Jul 29 Tue	sentinel3b	1124	1129	43	343 236 N -SW	
Jul 29 Tue	sentinel6a	1139	1150	75	231 36 SW-NE	
Jul 29 Tue	lageos2	1145	1226	53	182 62 S -NE	
Jul 29 Tue	lares	1209	1217	40	149 55 SE-NE	
Jul 29 Tue	swot	1235	1241	46	240 359 SW-N	
Jul 29 Tue	jason3	1242	1251	44	271 27 W -NE	
Jul 29 Tue	ajisai	1301	1313	81	262 90 W -E	
Jul 29 Tue	sentinel6a	1338	1345	34	301 23 NW-NE	
Jul 29 Tue	lares	1405	1416	64	236 26 SW-NE	
Jul 29 Tue	hy2d	1409	1416	49	339 105 N -E	
Jul 29 Tue	lares2	1450	1537	60	318 108 NW-E	
Jul 29 Tue	ajisai	1503	1515	71	277 121 W -SE	
Jul 29 Tue	larets	1525	1528	32	74 140 E -SE	
Jul 29 Tue	swarmc	1529	1533	57	203 350 SW-N	
Jul 29 Tue	swarma	1530	1533	69	204 354 SW-N	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 29 Tue	lageos2	1542	1631	86	257 84 W -E	VS
Jul 29 Tue	hy2d	1557	1603	45	293 182 NW-S	
Jul 29 Tue	icesat2	1615	1617	31	101 38 E -NE	
Jul 29 Tue	cryosat2	1624	1630	71	162 360 S -N	
Jul 29 Tue	jason3	1638	1646	35	342 74 N -E	
Jul 29 Tue	terrasarx	1701	1705	51	125 359 SE-N	
Jul 29 Tue	tandemx	1701	1705	48	132 1 SE-N	
Jul 29 Tue	larets	1702	1706	37	328 239 NW-SW	
Jul 29 Tue	ajisai	1706	1714	35	259 175 W -S	

Jul 29 Tue	sentinel6a	1733	1743	48	334	101	NW-E
Jul 29 Tue	hy2b	1740	1747	62	184	332	S -NW
Jul 29 Tue	jason3	1833	1844	81	324	136	NW-SE
Jul 29 Tue	saral	1840	1846	72	11	202	N -S
Jul 29 Tue	lares2	1849	1933	59	327	197	NW-S
Jul 29 Tue	sentinel6a	1929	1940	62	312	166	NW-S
Jul 29 Tue	gracefo1	1942	1946	75	181	359	S -N
Jul 29 Tue	lageos2	1947	2034	72	295	147	NW-SE
Jul 29 Tue	stella	1951	1956	43	114	7	SE-N
Jul 29 Tue	swarmb	1958	2001	33	51	135	NE-SE
Jul 29 Tue	lares	2008	2017	40	353	95	N -E
Jul 29 Tue	sentinel3a	2009	2012	30	80	24	E -NE
Jul 29 Tue	lageos1	2026	2110	72	34	198	NE-S
Jul 29 Tue	jason3	2030	2036	30	282	214	W -SW
Jul 29 Tue	sentinel3b	2108	2115	81	158	347	S -N
Jul 29 Tue	swot	2130	2137	71	352	153	N -SE
Jul 29 Tue	stella	2131	2135	33	227	306	SW-NW
Jul 29 Tue	sentinel3a	2147	2153	49	200	329	S -NW
Jul 29 Tue	lares	2205	2216	74	322	163	NW-S
Jul 29 Tue	lageos1	2359	0038	58	40	273	NE-W
Jul 30 Wed	hy2c	0042	0049	52	179	51	S -NE
Jul 30 Wed	hy2c	0229	0236	45	265	24	W -NE
Jul 30 Wed	larets	0232	0237	58	133	355	SE-N
Jul 30 Wed	starlette	0240	0246	43	206	91	SW-E
Jul 30 Wed	swarmc	0243	0247	79	1	175	N -S
Jul 30 Wed	swarma	0244	0247	70	14	167	N -S
Jul 30 Wed	lageos1	0325	0404	58	85	319	E -NW
Jul 30 Wed	cryosat2	0421	0426	48	37	158	NE-S
Jul 30 Wed	saral	0423	0428	40	113	9	SE-N
Jul 30 Wed	starlette	0429	0435	74	254	89	W -E
Jul 30 Wed	icesat2	0509	0513	75	10	183	N -S

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 30 Wed	lares2	0524	0552	35	116 41 SE-NE	CP
Jul 30 Wed	terrasarx	0600	0603	34	54 145 NE-SE	
Jul 30 Wed	tandemx	0601	0604	35	70 155 E -SE	
Jul 30 Wed	saral	0603	0607	34	229 311 SW-NW	
Jul 30 Wed	hy2b	0614	0621	53	34 169 NE-S	
Jul 30 Wed	starlette	0617	0624	69	273 115 W -SE	
Jul 30 Wed	beaconc	0645	0651	34	224 133 SW-SE	
Jul 30 Wed	lageos1	0654	0737	73	162 328 S -NW	
Jul 30 Wed	gracefo1	0700	0704	38	35 151 NE-SE	
Jul 30 Wed	paz	0706	0709	41	331 233 NW-SW	
Jul 30 Wed	hy2d	0713	0721	79	213 40 SW-NE	
Jul 30 Wed	hy2c	0756	0803	47	343 104 N -E	
Jul 30 Wed	hy2b	0758	0803	34	339 257 N -W	
Jul 30 Wed	starlette	0807	0811	32	248 176 W -S	
Jul 30 Wed	hy2d	0902	0907	32	294 13 NW-N	
Jul 30 Wed	lares2	0904	0953	80	217 35 SW-NE	
Jul 30 Wed	stella	0939	0945	59	32 177 NE-S	
Jul 30 Wed	hy2c	0943	0950	50	302 177 NW-S	
Jul 30 Wed	sentinel3a	0957	1002	41	56 159 NE-S	
Jul 30 Wed	lageos2	1005	1026	30	131 76 SE-E	
Jul 30 Wed	ajisai	1006	1017	48	203 82 SW-E	
Jul 30 Wed	sentinel6a	1007	1016	50	172 52 S -NE	

Jul 30 Wed	swot	1052	1057	39	138	45	SE-NE
Jul 30 Wed	sentinel3b	1058	1104	65	1	211	N -SW
Jul 30 Wed	jason3	1100	1111	89	216	39	SW-NE
Jul 30 Wed	sentinel3a	1137	1141	34	327	249	NW-W
Jul 30 Wed	sentinel6a	1202	1212	56	252	30	W -NE
Jul 30 Wed	ajisai	1207	1219	80	251	84	W -E
Jul 30 Wed	swot	1236	1242	40	251	358	W -N
Jul 30 Wed	jason3	1258	1306	37	290	27	W -NE
Jul 30 Wed	lares	1301	1312	78	200	35	S -NE
Jul 30 Wed	lares2	1314	1359	52	301	77	NW-E
Jul 30 Wed	lageos2	1347	1435	80	227	68	SW-E
Jul 30 Wed	ajisai	1409	1421	80	275	109	W -E
Jul 30 Wed	hy2d	1427	1435	69	328	127	NW-SE
Jul 30 Wed	swarmc	1450	1454	47	152	17	SE-N
Jul 30 Wed	swarma	1451	1454	42	128	23	SE-NE
Jul 30 Wed	lares	1501	1509	38	282	15	W -N
Jul 30 Wed	cryosat2	1535	1538	30	101	38	E -NE

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
Jul 30 Wed	larets	1600	1605	66	29 180	NE-S AS
Jul 30 Wed	sentinel6a	1600	1607	31	341 59	N -NE
Jul 30 Wed	ajisai	1611	1621	46	270 156	W -SE
Jul 30 Wed	hy2b	1620	1626	39	108 6	E -N
Jul 30 Wed	terrasarx	1644	1647	34	105 18	E -N
Jul 30 Wed	tandemx	1645	1647	33	87 24	E -NE
Jul 30 Wed	jason3	1653	1701	41	341 84	N -E
Jul 30 Wed	cryosat2	1713	1718	39	225 332	SW-NW
Jul 30 Wed	lares2	1717	1805	84	328 164	NW-S
Jul 30 Wed	icesat2	1723	1726	37	239 330	SW-NW
Jul 30 Wed	paz	1749	1753	42	205 325	SW-NW
Jul 30 Wed	lageos2	1752	1841	88	284 115	W -SE
Jul 30 Wed	sentinel6a	1756	1806	63	331 119	NW-SE
Jul 30 Wed	hy2b	1803	1809	44	210 322	SW-NW
Jul 30 Wed	saral	1808	1814	56	32 173	NE-S
Jul 30 Wed	jason3	1848	1858	79	318 152	NW-SE
Jul 30 Wed	lageos1	1904	1943	48	39 165	NE-S
Jul 30 Wed	gracefo1	1911	1914	43	128 23	SE-NE
Jul 30 Wed	sentinel6a	1953	2001	42	294 191	NW-S
Jul 30 Wed	sentinel3b	2043	2049	51	128 358	SE-N
Jul 30 Wed	lares	2101	2112	68	336 131	NW-SE
Jul 30 Wed	stella	2104	2110	53	200 332	S -NW
Jul 30 Wed	swarmb	2109	2112	31	315 230	NW-SW
Jul 30 Wed	sentinel3a	2121	2127	72	172 341	S -N
Jul 30 Wed	swot	2130	2137	80	344 160	N -S
Jul 30 Wed	lageos2	2157	2234	43	293 194	NW-S
Jul 30 Wed	sentinel3b	2225	2227	27	261 297	W -NW
Jul 30 Wed	lageos1	2237	2319	72	34 246	NE-SW
Jul 30 Wed	lares	2300	2308	37	296 206	NW-SW
Jul 31 Thu	hy2c	0100	0108	79	208 41	SW-NE
Jul 31 Thu	swarmc	0205	0207	30	59 124	NE-SE
Jul 31 Thu	swarma	0206	0207	27	86 115	E -SE
Jul 31 Thu	lageos1	0206	0243	52	63 307	NE-NW
Jul 31 Thu	hy2c	0249	0254	34	296 16	NW-N

Jul 31 Thu	starlette	0259	0305	57	226	88	SW-E
Jul 31 Thu	larets	0308	0313	66	186	337	S -NW

OBSERVING SCHEDULE (Times are in U.T.)

Date	Satellite	Start	End	Elev	Direction	Observer
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Jul 31 Thu	icesat2	0443	0447	42	37 159	NE-S	TS
Jul 31 Thu	starlette	0448	0454	74	264 95	W -E	
Jul 31 Thu	cryosat2	0509	0515	59	349 204	N -SW	
Jul 31 Thu	saral	0530	0536	61	186 333	S -NW	
Jul 31 Thu	lageos1	0531	0614	83	131 328	SE-NW	
Jul 31 Thu	hy2d	0546	0551	31	145 70	SE-E	
Jul 31 Thu	beaconc	0601	0606	34	216 134	SW-SE	
Jul 31 Thu	hy2b	0636	0644	72	23 189	NE-S	
Jul 31 Thu	starlette	0637	0643	55	265 131	W -SE	
Jul 31 Thu	paz	0648	0652	63	1 212	N -SW	
Jul 31 Thu	terrasarx	0717	0720	32	328 243	NW-SW	
Jul 31 Thu	tandemx	0718	0720	31	310 250	NW-W	
Jul 31 Thu	hy2d	0731	0739	66	236 32	SW-NE	
Jul 31 Thu	lares2	0733	0820	74	183 32	S -NE	
Jul 31 Thu	gracefo1	0803	0805	31	295 233	NW-SW	
Jul 31 Thu	hy2c	0814	0822	63	331 125	NW-SE	
Jul 31 Thu	stella	0913	0918	37	54 153	NE-SE	
Jul 31 Thu	ajisai	0914	0922	36	175 89	S -E	
Jul 31 Thu	lageos1	0916	0944	35	227 312	SW-NW	
Jul 31 Thu	jason3	0922	0929	35	149 64	SE-NE	
Jul 31 Thu	swarmb	0925	0928	34	258 338	W -N	
Jul 31 Thu	hy2c	1002	1007	32	284 207	W -SW	
Jul 31 Thu	sentinel6a	1028	1039	72	201 43	S -NE	
Jul 31 Thu	sentinel3b	1032	1038	72	22 190	N -S	
Jul 31 Thu	swot	1052	1058	45	153 38	SE-NE	
Jul 31 Thu	stella	1053	1058	38	335 238	NW-SW	
Jul 31 Thu	sentinel3a	1110	1116	52	356 223	N -SW	
Jul 31 Thu	ajisai	1113	1125	73	238 80	SW-E	
Jul 31 Thu	jason3	1115	1126	72	234 36	SW-NE	
Jul 31 Thu	lares2	1136	1222	54	273 54	W -NE	
Jul 31 Thu	lageos2	1157	1240	59	192 62	S -NE	
Jul 31 Thu	lares	1158	1207	45	159 49	S -NE	
Jul 31 Thu	sentinel6a	1226	1235	44	276 29	W -NE	
Jul 31 Thu	swot	1237	1242	35	261 349	W -N	
Jul 31 Thu	hy2d	1259	1305	33	351 82	N -E	
Jul 31 Thu	jason3	1314	1320	32	308 20	NW-N	
Jul 31 Thu	ajisai	1314	1326	85	271 99	W -E	
Jul 31 Thu	lares	1355	1406	58	244 26	SW-NE	
Jul 31 Thu	hy2d	1446	1454	79	317 149	NW-SE	
Jul 31 Thu	ajisai	1516	1528	58	277 138	W -SE	
Jul 31 Thu	lares2	1544	1633	72	324 132	NW-SE	
Jul 31 Thu	swarma	1546	1548	32	267 329	W -NW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Jul 31 Thu	lageos2	1556	1645	86	264 89 W -E	MW
Jul 31 Thu	cryosat2	1622	1628	72	168 358 S -N	
Jul 31 Thu	sentinel6a	1623	1631	36	343 77 N -E	
Jul 31 Thu	larets	1636	1641	59	359 217 N -SW	
Jul 31 Thu	hy2b	1642	1648	53	125 359 SE-N	
Jul 31 Thu	icesat2	1656	1700	71	186 347 S -N	
Jul 31 Thu	jason3	1708	1717	49	339 102 N -E	
Jul 31 Thu	paz	1732	1736	59	184 339 S -N	
Jul 31 Thu	saral	1737	1741	32	57 135 NE-SE	
Jul 31 Thu	terrasarx	1801	1804	34	232 317 SW-NW	
Jul 31 Thu	tandemx	1801	1804	33	223 311 SW-NW	
Jul 31 Thu	sentinel6a	1819	1829	80	324 139 NW-SE	
Jul 31 Thu	hy2b	1826	1831	31	235 313 SW-NW	
Jul 31 Thu	jason3	1903	1913	60	309 168 NW-S	
Jul 31 Thu	saral	1916	1921	42	348 238 N -SW	
Jul 31 Thu	lares2	1943	2019	42	323 225 NW-SW	
Jul 31 Thu	lares	1957	2007	43	347 102 N -E	
Jul 31 Thu	lageos2	2001	2047	66	296 156 NW-SE	
Jul 31 Thu	sentinel3b	2018	2022	34	97 18 E -N	
Jul 31 Thu	stella	2037	2043	74	166 343 S -N	
Jul 31 Thu	swarmb	2046	2050	50	327 201 NW-S	
Jul 31 Thu	sentinel3a	2055	2101	64	143 354 SE-N	
Jul 31 Thu	lageos1	2115	2159	87	33 218 NE-SW	
Jul 31 Thu	swot	2131	2138	82	338 168 N -S	
Jul 31 Thu	lares	2155	2206	67	318 169 NW-S	
Jul 31 Thu	sentinel3b	2157	2202	42	210 319 SW-NW	
Jul 31 Thu	hy2c	2333	2337	29	139 79 SE-E	
Aug 1 Fri	lageos1	0047	0124	53	46 288 NE-W	
Aug 1 Fri	hy2c	0118	0126	68	234 34 SW-NE	
Aug 1 Fri	starlette	0131	0135	33	173 100 S -E	
Aug 1 Fri	larets	0207	0211	36	107 15 E -N	
Aug 1 Fri	swarma	0259	0302	51	332 205 NW-SW	
Aug 1 Fri	swarmc	0259	0302	45	320 208 NW-SW	
Aug 1 Fri	hy2c	0309	0312	27	325 9 NW-N	
Aug 1 Fri	starlette	0318	0325	71	243 85 SW-E	
Aug 1 Fri	larets	0345	0348	32	238 307 SW-NW	

OBSERVING SCHEDULE (Times are in U.T.)						
Date	Satellite	Start	End	Elev	Direction	Observer
Aug 1 Fri	lageos1	0411	0452	66	103 324 E -NW	VS
Aug 1 Fri	cryosat2	0419	0424	53	31 160 NE-S	
Aug 1 Fri	saral	0458	0505	75	153 349 SE-N	

Aug	1	Fri	starlette	0507	0514	76	270	104	W	-E
Aug	1	Fri	beaconc	0517	0522	34	207	127	SW	-SE
Aug	1	Fri	hy2d	0603	0610	48	177	55	S	-NE
Aug	1	Fri	lares2	0608	0647	50	147	35	SE	-NE
Aug	1	Fri	paz	0631	0635	76	18	190	N	-S
Aug	1	Fri	hy2c	0646	0651	32	355	73	N	-E
Aug	1	Fri	starlette	0656	0702	42	260	148	W	-SE
Aug	1	Fri	hy2b	0658	0706	76	12	206	N	-SW
Aug	1	Fri	terrasarx	0700	0704	49	338	217	N	-SW
Aug	1	Fri	tandemx	0700	0704	45	346	220	N	-SW
Aug	1	Fri	gracefol	0730	0734	65	349	194	N	-S
Aug	1	Fri	lageos1	0744	0825	57	183	325	S	-NW
Aug	1	Fri	hy2d	0750	0757	47	260	23	W	-NE
Aug	1	Fri	hy2c	0833	0840	86	320	146	NW	-SE
Aug	1	Fri	swarmb	0901	0905	55	212	351	SW	-N
Aug	1	Fri	jason3	0935	0945	48	176	51	S	-NE
Aug	1	Fri	lares2	0959	1047	66	241	40	SW	-NE
Aug	1	Fri	sentinel3b	1006	1012	48	40	168	NE	-S
Aug	1	Fri	lageos2	1013	1042	35	148	70	SE	-E
Aug	1	Fri	ajisai	1019	1030	62	223	81	SW	-E
Aug	1	Fri	stella	1026	1032	59	357	216	N	-SW
Aug	1	Fri	sentinel3a	1044	1051	81	12	201	N	-S
Aug	1	Fri	sentinel6a	1051	1102	81	224	38	SW	-NE
Aug	1	Fri	swot	1052	1059	54	167	32	S	-NE
Aug	1	Fri	jason3	1130	1140	57	250	30	W	-NE
Aug	1	Fri	sentinel3b	1147	1150	30	320	263	NW	-W
Aug	1	Fri	ajisai	1220	1232	83	264	91	W	-E
Aug	1	Fri	swot	1238	1242	31	271	339	W	-N
Aug	1	Fri	lares	1250	1301	85	208	33	SW	-NE
Aug	1	Fri	sentinel6a	1250	1257	36	299	23	NW	-NE
Aug	1	Fri	hy2d	1317	1324	44	342	100	N	-E
Aug	1	Fri	lageos2	1401	1449	84	235	71	SW	-E
Aug	1	Fri	lares2	1410	1457	57	314	100	NW	-E
Aug	1	Fri	ajisai	1422	1434	69	278	124	W	-SE
Aug	1	Fri	lares	1451	1459	36	289	17	W	-N
Aug	1	Fri	hy2d	1504	1512	52	306	170	NW	-S
Aug	1	Fri	swarmc	1505	1509	71	191	357	S	-N
Aug	1	Fri	swarma	1506	1509	86	185	1	S	-N
Aug	1	Fri	jason3	1528	1533	30	353	51	N	-NE
Aug	1	Fri	cryosat2	1533	1537	32	107	26	E	-NE
Aug	1	Fri	larets	1535	1540	39	49	159	NE	-S