

barnaul	Longitude= 83°46'00Eas t	Latitu de=+5 3°20'0 0	Time zone= 06:00: 00Eas t					
Date	Satellite	Magn.	Az	Alt	Range	RA	DE	+/-
2011-01-09 17:48:21	Iridium 59	-5.2	192	27	1464	23h53m	-9.0	8.3 E
2011-01-09 19:14:33	Iridium 8	-2.2	147	36	1219	03h48m	3.6	22.3 W
2011-01-10 19:08:33	Iridium 61	-2.5	147	35	1245	03h48m	2.6	20.7 E
2011-01-12 13:11:07	Iridium 72	-7.8	239	75	810	18h59m	43.9	3.3 E
2011-01-12 17:39:28	Iridium 58	-4.9	199	25	1551	23h31m	-10.5	10.0 E
2011-01-13 18:59:29	Iridium 37	-3.4	156	37	1204	03h21m	2.3	13.7 W
2011-01-14 5:52:48	Iridium 94	-2.1	355	34	1119	01h52m	69.9	19.6 E
2011-01-14 18:53:28	Iridium 34	-2.1	156	36	1220	03h19m	1.6	20.9 E
2011-01-16 7:46:30	Iridium 51	-8.5	339	66	821	12h54m	73.9	0.7 W
2011-01-17 17:27:45	Iridium 31	-4.2	210	19	1781	22h51m	-13.0	15.5 E
2011-01-18 5:36:14	Iridium 58	-4.9	358	23	1618	01h11m	59.6	8.4 W
2011-01-18 17:28:07	Iridium 33	-5.7	213	17	1890	22h43m	-13.7	4.6 E
2011-01-18 18:15:58	Iridium 94	-2.2	292	14	1831	19h05m	24.6	73.1 E
2011-01-18 18:24:49	Iridium 96	-2.5	294	12	1977	19h00m	24.1	70.5 W
2011-01-18 18:40:13	Iridium 36	-3.8	168	37	1202	02h44m	0.7	11.1 W
2011-01-19 14:59:40	Iridium 46	-7.4	261	52	960	19h18m	35.5	3.1 W
2011-01-19 18:32:05	Iridium 33	-3.0	296	12	2229	19h04m	25.1	73.1 E
2011-01-19 18:33:11	Iridium 57	-5.5	297	11	2241	19h02m	24.9	4.8 E
2011-01-20 7:25:21	Iridium 6	-2.1	344	59	899	11h33m	79.6	18.1 W
2011-01-20 18:18:14	Iridium 59	-3.5	293	14	2082	19h10m	24.8	46.6 W
2011-01-21 5:16:17	Iridium 28	-6.3	002	13	2127	00h37m	49.7	0.6 W
2011-01-21 9:21:53	Iridium 50	-6.7	250	80	796	15h59m	48.9	3.6 W
2011-01-21 17:54:21	Iridium 60	-3.7	288	19	1809	19h21m	25.5	35.1 E
2011-01-22 7:13:22	Iridium 19	-2.5	347	56	927	10h27m	82.3	15.9 W
2011-01-22 9:15:52	Iridium 53	-8.4	257	81	793	16h00m	50.5	1.8 E
2011-01-22 18:23:19	Iridium 6	-2.0	175	36	1218	02h22m	-0.5	19.5 E
2011-01-23 7:07:23	Iridium 97	-5.6	351	55	934	10h17m	84.2	6.5 E
2011-01-23 17:33:18	Iridium 30	-6.1	284	22	1647	19h31m	25.6	7.2 W
2011-01-24 7:01:22	Iridium 7	-5.2	352	53	951	09h03m	85.1	7.3 E
2011-01-24 9:03:48	Iridium 83	-8.4	279	82	792	15h56m	53.8	1.0 E