

Night 1						
target	start time (UTC)		end time (UTC)		duration (minutes)	ra dec
PSZ2_G086.35-13.94	2016-11-12	01:14:00.000	2016-11-12	02:08:48.000	54.8	327d26m04.2274s 35d42m37.4955s
TransitionBlock	2016-11-12	02:08:48.000	2016-11-12	02:09:11.717	0.395284447806	
PSZ2_G096.43-20.89	2016-11-12	02:09:11.717	2016-11-12	03:03:59.717	54.8	342d02m10.4251s 35d33m21.4764s
TransitionBlock	2016-11-12	03:03:59.717	2016-11-12	03:04:20.329	0.343533417858	
PSZ2_G093.71-30.90	2016-11-12	03:04:20.329	2016-11-12	03:59:08.329	54.8	345d11m02.1365s 25d36m40.9258s
TransitionBlock	2016-11-12	03:59:08.329	2016-11-12	03:59:43.121	0.579873072737	
PSZ2_G112.07-39.86	2016-11-12	03:59:43.121	2016-11-12	04:54:31.121	54.8	3d52m22.7272s 22d14m43.5081s
TransitionBlock	2016-11-12	04:54:31.121	2016-11-12	04:55:13.732	0.710182844909	
PSZ2_G131.27-25.82	2016-11-12	04:55:13.732	2016-11-12	05:50:01.732	54.8	22d12m17.7852s 36d26m41.0127s
TransitionBlock	2016-11-12	05:50:01.732	2016-11-12	05:50:31.612	0.49798869226	
PSZ2_G144.84-35.16	2016-11-12	05:50:31.612	2016-11-12	06:45:19.612	54.8	32d25m22.7214s 24d21m19.5643s
TransitionBlock	2016-11-12	06:45:19.612	2016-11-12	06:46:02.795	0.719722282241	
PSZ2_G150.64-14.21	2016-11-12	06:46:02.795	2016-11-12	07:40:50.795	54.8	49d19m55.37s 40d40m36.8006s
TransitionBlock	2016-11-12	07:40:50.795	2016-11-12	07:41:18.581	0.463098022001	
PSZ2_G164.85-16.55	2016-11-12	07:41:18.581	2016-11-12	08:36:06.581	54.8	60d45m18.2188s 30d19m18.3756s
TransitionBlock	2016-11-12	08:36:06.581	2016-11-12	08:36:10.577	0.0666049740673	
PSZ2_G166.56-17.69	2016-11-12	08:36:10.577	2016-11-12	09:30:58.577	54.8	61d11m39.5852s 28d21m38.1617s
TransitionBlock	2016-11-12	09:30:58.577	2016-11-12	09:32:05.329	1.11252226434	
PSZ2_G185.68+09.82	2016-11-12	09:32:05.329	2016-11-12	10:26:53.329	54.8	99d20m20.2669s 28d38m26.2156s
TransitionBlock	2016-11-12	10:26:53.329	2016-11-12	10:27:06.849	0.225339833909	
PSZ2_G183.92+16.36	2016-11-12	10:27:06.849	2016-11-12	11:21:54.849	54.8	105d29m21.7151s 32d51m35.3979s
TransitionBlock	2016-11-12	11:21:54.849	2016-11-12	11:22:29.713	0.581060655615	
PSZ2_G177.03+32.64	2016-11-12	11:22:29.713	2016-11-12	12:17:17.713	54.8	123d21m09.3341s 43d15m54.3501s
TransitionBlock	2016-11-12	12:17:17.713	2016-11-12	12:18:11.087	0.889572668623	

Night 2						
target	start time (UTC)		end time (UTC)		duration (minutes)	ra dec
PSZ2_G090.12-13.87	2016-11-13	01:14:00.000	2016-11-13	02:08:48.000	54.8	330d55m04.436s 38d05m22.1491s
TransitionBlock	2016-11-13	02:08:48.000	2016-11-13	02:08:55.972	0.132863240786	
PSZ2_G093.41-16.26	2016-11-13	02:08:55.972	2016-11-13	03:03:43.972	54.8	335d58m43.1267s 38d00m25.328s
TransitionBlock	2016-11-13	03:03:43.972	2016-11-13	03:04:32.897	0.815428218631	

PSZ2_G104.15-38.85	2016-11-13	03:04:32.897	2016-11-13	03:59:20.897	54.8	357d12m06.6132s	21d43m24.6029s
TransitionBlock	2016-11-13	03:59:20.897	2016-11-13	04:00:10.296	0.823313429006		
PSZ2_G128.15-24.71	2016-11-13	04:00:10.296	2016-11-13	04:54:58.296	54.8	18d52m36.6453s	37d54m48.459s
TransitionBlock	2016-11-13	04:54:58.296	2016-11-13	04:55:03.984	0.0947998076011		
PSZ2_G129.99-22.42	2016-11-13	04:55:03.984	2016-11-13	05:49:51.984	54.8	21d23m20.7315s	39d58m49.0773s
TransitionBlock	2016-11-13	05:49:51.984	2016-11-13	05:50:13.129	0.352403914533		
PSZ2_G139.72-17.13	2016-11-13	05:50:13.129	2016-11-13	06:45:01.129	54.8	34d58m49.9985s	42d49m53.9746s
TransitionBlock	2016-11-13	06:45:01.129	2016-11-13	06:45:47.570	0.774031765907		
PSZ2_G161.73-28.58	2016-11-13	06:45:47.570	2016-11-13	07:40:35.570	54.8	49d34m24.1782s	23d00m44.3638s
TransitionBlock	2016-11-13	07:40:35.570	2016-11-13	07:40:46.358	0.179788787751		
PSZ2_G166.27-25.02	2016-11-13	07:40:46.358	2016-11-13	08:35:34.358	54.8	55d26m04.5297s	23d11m00.4514s
TransitionBlock	2016-11-13	08:35:34.358	2016-11-13	08:36:18.930	0.742878478768		
PSZ2_G186.50-13.45	2016-11-13	08:36:18.930	2016-11-13	09:31:06.930	54.8	77d57m08.3845s	16d12m21.1815s
TransitionBlock	2016-11-13	09:31:06.930	2016-11-13	09:32:13.202	1.10452955785		
PSZ2_G171.48+16.17	2016-11-13	09:32:13.202	2016-11-13	10:27:01.202	54.8	99d31m16.9167s	43d50m58.0359s
TransitionBlock	2016-11-13	10:27:01.202	2016-11-13	10:27:46.926	0.762065558448		
PSZ2_G193.90+09.41	2016-11-13	10:27:46.926	2016-11-13	11:22:34.926	54.8	102d47m56.7233s	21d08m55.0406s
TransitionBlock	2016-11-13	11:22:34.926	2016-11-13	11:23:38.219	1.0548853227		
PSZ2_G165.41+25.93	2016-11-13	11:23:38.219	2016-11-13	12:18:26.219	54.8	110d59m18.3448s	52d09m16.3292s
TransitionBlock	2016-11-13	12:18:26.219	2016-11-13	12:19:42.801	1.27635918235		

Night 3

target	start time (UTC)		end time (UTC)		duration (minutes)	ra	dec
PSZ2_G089.06-11.79	2016-11-14	01:14:00.000	2016-11-14	02:08:48.000	54.8	328d13m17.3813s	39d03m52.5033s
TransitionBlock	2016-11-14	02:08:48.000	2016-11-14	02:09:07.306	0.321761628045		
PSZ2_G097.37-17.11	2016-11-14	02:09:07.306	2016-11-14	03:03:55.306	54.8	340d40m44.0285s	39d16m55.6153s
TransitionBlock	2016-11-14	03:03:55.306	2016-11-14	03:04:11.838	0.275546295222		
PSZ2_G105.94-16.14	2016-11-14	03:04:11.838	2016-11-14	03:58:59.838	54.8	350d01m26.0206s	43d41m32.1961s
TransitionBlock	2016-11-14	03:58:59.838	2016-11-14	03:59:40.390	0.675858784164		
PSZ2_G126.72-21.03	2016-11-14	03:59:40.390	2016-11-14	04:54:28.390	54.8	17d36m10.6934s	41d41m32.5029s
TransitionBlock	2016-11-14	04:54:28.390	2016-11-14	04:54:32.292	0.0650266390782		
PSZ2_G126.36-19.11	2016-11-14	04:54:32.292	2016-11-14	05:49:20.292	54.8	17d20m33.9698s	43d38m01.3364s
TransitionBlock	2016-11-14	05:49:20.292	2016-11-14	05:50:22.154	1.03103849926		
PSZ2_G157.07-33.63	2016-11-14	05:50:22.154	2016-11-14	06:45:10.154	54.8	42d55m32.8299s	21d08m50.0406s
TransitionBlock	2016-11-14	06:45:10.154	2016-11-14	06:45:45.516	0.589373043324		

PSZ2_G176.07-26.95	2016-11-14	06:45:45.516	2016-11-14	07:40:33.516	54.8	60d38m16.3498s	15d36m49.3851s
TransitionBlock	2016-11-14	07:40:33.516	2016-11-14	07:40:44.675	0.185974324796		
PSZ2_G179.33-22.22	2016-11-14	07:40:44.675	2016-11-14	08:35:32.675	54.8	66d22m31.9237s	16d27m52.78s
TransitionBlock	2016-11-14	08:35:32.675	2016-11-14	08:36:41.241	1.14277639634		
PSZ2_G165.39+09.22	2016-11-14	08:36:41.241	2016-11-14	09:31:29.241	54.8	86d59m37.8573s	46d08m39.2496s
TransitionBlock	2016-11-14	09:31:29.241	2016-11-14	09:31:34.767	0.0920871640203		
PSZ2_G163.89+11.55	2016-11-14	09:31:34.767	2016-11-14	10:26:22.767	54.8	88d56m42.7511s	48d34m13.7738s
TransitionBlock	2016-11-14	10:26:22.767	2016-11-14	10:27:40.491	1.29541405137		
PSZ2_G203.32+08.91	2016-11-14	10:27:40.491	2016-11-14	11:22:28.491	54.8	106d32m30.8861s	12d33m14.2148s
TransitionBlock	2016-11-14	11:22:28.491	2016-11-14	11:23:52.309	1.39696790928		
PSZ2_G203.71+50.82	2016-11-14	11:23:52.309	2016-11-14	12:18:40.309	54.8	148d46m23.2406s	26d19m51.2886s
TransitionBlock	2016-11-14	12:18:40.309	2016-11-14	12:19:01.580	0.354506113887		