

Event #	Date (Origin)	Time[s] (or observed)	FI [deg, km]	LAMBDA [deg, km]	Z [km]	ML	# stat. for LOC.
0001	050106	10:02:32.60 (Pg)	02:35.74 (Sg)	LUBY	NO LOCATION		
0002	050111	08:36:30.40	50.298	12.164		0.0+-0.1	4
0003	050113	09:21:45.09	50.379	12.289		-0.2+-0.1	4
0004	050113	20:39:51.70 (Pg)	39:53.20 (Sg)	LUBY	NO LOCATION		
0005	050114	01:55:03.25	50.316	12.875		-0.4+-0.1	4
0006	050116	10:28:46.71	49.863	12.207		0.7+-0.1	5
0007	050117	23:20:51.41+-0.05	50.208+-0.2	12.458+-0.2	7.8+-0.3	-0.1+-0.1	4
0008	050118	02:47:48.06	50.308	12.194		0.0+-0.1	4
0009	050119	00:35:23.24+-0.04	50.245+-0.1	12.451+-0.1	9.1+-0.2	-0.3+-0.1	4
0010	050126	11:09:07.98	50.618	12.651		1.1+-0.1	5
0011	050128	20:45:33.52+-0.07	50.176+-0.2	12.480+-0.2	6.9+-0.4	-0.4+-0.1	5
0012	050129	02:53:40.62 (Pg)	53:42.21 (Sg)	LUBY	NO LOCATION		
0013	050129	02:56:05.23+-0.06	50.214+-0.2	12.459+-0.2	9.7+-0.3	-0.4+-0.1	4
0014	050129	02:59:50.51 (Pg)	59:52.08 (Sg)	LUBY	NO LOCATION		
0015	050129	03:02:34.45+-0.07	50.213+-0.2	12.460+-0.2	8.3+-0.3	-0.1+-0.1	4
0016	050129	03:07:15.71 (Pg)	07:17.30 (Sg)	LUBY	NO LOCATION		
0017	050129	03:10:10.74+-0.06	50.213+-0.2	12.460+-0.2	8.6+-0.3	-0.4+-0.1	4
0018	050129	03:13:12.20 (Pg)	13:13.79 (Sg)	LUBY	NO LOCATION		
0019	050129	03:13:22.41+-0.05	50.213+-0.2	12.461+-0.2	8.8+-0.2	-0.4+-0.1	4
0020	050129	03:13:38.83+-0.06	50.213+-0.2	12.461+-0.2	8.3+-0.3	-0.5+-0.1	4
0021	050129	03:22:30.01+-0.06	50.221+-0.1	12.462+-0.1	8.7+-0.3	0.4+-0.1	5
0022	050129	03:29:17.71 (Pg)	29:19.29 (Sg)	LUBY	NO LOCATION		
0023	050129	03:32:27.65+-0.04	50.215+-0.2	12.460+-0.1	8.7+-0.2	-0.0+-0.1	4
0024	050129	03:32:32.89+-0.06	50.212+-0.2	12.460+-0.2	8.4+-0.3	0.0+-0.1	4
0025	050129	04:03:35.89+-0.05	50.213+-0.2	12.460+-0.2	8.6+-0.2	-0.2+-0.1	4
0026	050131	03:02:40.00 (Pg)	02:41.52 (Sg)	LUBY	NO LOCATION		
0027	050131	03:14:42.80 (Pg)	14:44.32 (Sg)	LUBY	NO LOCATION		
0028	050131	03:13:52.61+-0.05	50.213+-0.2	12.451+-0.2	8.6+-0.3	-0.3+-0.1	4
0029	050131	03:13:56.04 (Pg)	13:57.56 (Sg)	LUBY	NO LOCATION		
0030	050207	23:52:15.82 (Pg)	52:17.25 (Sg)	LUBY	NO LOCATION		
0031	050208	05:50:17.59+-0.09	50.298+-0.2	12.422+-0.2	11.1+-0.4	0.1+-0.1	5
0032	050210	03:29:01.35 (Pg)	29:02.81 (Sg)	LUBY	NO LOCATION		
0033	050212	22:28:24.25	50.349	12.134		0.0+-0.1	4
0034	050219	04:41:02.81+-0.03	50.277+-0.1	12.652+-0.1	6.9+-0.1	0.1+-0.1	4
0035	050219	05:32:10.68 (Pg)	32:11.70 (Sg)	JIND	NO LOCATION		
0036	050220	23:07:15.61 (Pg)	07:16.64 (Sg)	JIND	NO LOCATION		
0037	050220	23:19:46.95 (Pg)	19:47.99 (Sg)	JIND	NO LOCATION		
0038	050222	19:58:41.90+-0.06	50.209+-0.1	12.459+-0.2	7.5+-0.4	-0.2+-0.1	5
0039	050304	19:24:26.68 (Pg)	24:28.18 (Sg)	LUBY	NO LOCATION		
0040	050308	02:19:43.52 (Pg)	19:45.03 (Sg)	LUBY	NO LOCATION		
0041	050308	02:21:02.03 (Pg)	21:03.54 (Sg)	LUBY	NO LOCATION		
0042	050308	20:23:37.09 (Pg)	23:38.58 (Sg)	LUBY	NO LOCATION		
0043	050309	23:05:56.11 (Pg)	05:58.07 (Sg)	JIND	NO LOCATION		
0044	050310	07:30:01.10 (Pg)	30:03.07 (Sg)	JIND	NO LOCATION		
0045	050314	01:15:58.74 (Pg)	15:59.99 (Sg)	LUBY	NO LOCATION		
0046	050314	12:41:52.80 (Pg)	41:55.71 (Sg)	POCA	NO LOCATION		
0047	050316	09:36:10.08+-0.08	50.214+-0.3	12.450+-0.3	9.3+-0.4	-0.3+-0.1	4
0048	050316	09:36:20.75+-0.07	50.216+-0.3	12.450+-0.3	9.3+-0.3	-0.4+-0.1	4
0049	050316	09:36:38.89 (Pg)	36:40.40 (Sg)	LUBY	NO LOCATION		
0050	050316	09:36:48.55 (Pg)	36:50.07 (Sg)	LUBY	NO LOCATION		
0051	050316	09:36:52.20 (Pg)	36:53.71 (Sg)	LUBY	NO LOCATION		

0052	050316	09:36:56.59 (Pg)	36:58.10 (Sg)	LUBY	NO LOCATION				
0053	050316	09:37:24.36 (Pg)	37:25.87 (Sg)	LUBY	NO LOCATION				
0054	050316	09:37:25.02 (Pg)	37:26.52 (Sg)	LUBY	NO LOCATION				
0055	050316	09:37:25.66+-0.07	50.215+-0.3		12.450+-0.3	9.1+-0.4	-0.1+-0.1	4	
0056	050316	09:37:47.36+-0.06	50.215+-0.2		12.449+-0.2	9.2+-0.3	-0.4+-0.2	4	
0057	050316	09:40:29.75 (Pg)	40:31.25 (Sg)	LUBY	NO LOCATION				
0058	050316	09:40:55.72+-0.05	50.219+-0.1		12.450+-0.1	9.2+-0.3	0.1+-0.1	5	
0059	050316	09:43:05.79+-0.07	50.215+-0.2		12.450+-0.2	9.3+-0.3	-0.2+-0.1	4	
0060	050316	09:44:26.41 (Pg)	44:27.92 (Sg)	LUBY	NO LOCATION				
0061	050316	09:47:12.24 (Pg)	47:13.75 (Sg)	LUBY	NO LOCATION				
0062	050316	09:51:00.47+-0.06	50.216+-0.1		12.451+-0.1	9.3+-0.3	0.1+-0.1	5	
0063	050316	11:39:08.08+-0.07	50.215+-0.3		12.449+-0.3	9.3+-0.4	-0.1+-0.2	4	
0064	050316	11:42:53.08 (Pg)	42:54.57 (Sg)	LUBY	NO LOCATION				
0065	050316	11:44:50.73+-0.06	50.215+-0.2		12.449+-0.2	9.2+-0.3	-0.3+-0.2	4	
0066	050316	12:11:38.90 (Pg)	11:40.43 (Sg)	LUBY	NO LOCATION				
0067	050316	13:42:52.41+-0.06	50.214+-0.2		12.450+-0.2	9.2+-0.3	-0.1+-0.2	4	
0068	050316	13:43:16.06+-0.06	50.214+-0.2		12.450+-0.2	9.2+-0.3	-0.2+-0.1	4	
0069	050316	16:41:33.44 (Pg)	41:34.96 (Sg)	LUBY	NO LOCATION				
0070	050316	16:41:38.01+-0.06	50.215+-0.2		12.449+-0.2	9.3+-0.3	-0.2+-0.1	4	
0071	050318	17:53:10.69	50.321		12.243		-0.1+-0.1	4	
0072	050318	17:58:51.94 (Pg)	58:54.55 (Sg)	POCA	NO LOCATION				
0073	050320	05:41:47.04 (Pg)	41:48.54 (Sg)	LUBY	NO LOCATION				
0074	050320	05:41:51.08 (Pg)	41:52.60 (Sg)	LUBY	NO LOCATION				
0075	050320	17:45:29.47 (Pg)	45:30.96 (Sg)	LUBY	NO LOCATION				
0076	050320	18:10:40.55 (Pg)	10:42.06 (Sg)	LUBY	NO LOCATION				
0077	050320	18:10:43.27 (Pg)	10:44.76 (Sg)	LUBY	NO LOCATION				
0078	050323	18:13:16.21	49.778		12.371		1.8+-0.1	5	
0079	050325	19:46:58.33	50.412		12.321		-0.2+-0.1	4	
0080	050327	13:05:28.40 (Pg)	05:29.64 (Sg)	LUBY	NO LOCATION				
0081	050327	13:05:55.94+-0.07	50.236+-0.2		12.451+-0.2	6.9+-0.4	-0.3+-0.1	4	
0082	050327	19:44:46.19 (Pg)	44:48.32 (Sg)	LUBY	NO LOCATION				
0083	050327	19:45:06.49+-0.05	50.146+-0.1		12.336+-0.2	12.0+-0.2	-0.4+-0.1	5	
0084	050330	14:07:01.55 (Pg)	07:04.01 (Sg)	LUBY	NO LOCATION				
0085	050330	14:08:22.77 (Pg)	08:25.24 (Sg)	LUBY	NO LOCATION				
0086	050330	14:08:53.56 (Pg)	08:56.03 (Sg)	LUBY	NO LOCATION				
0087	050330	14:09:29.65 (Pg)	09:32.16 (Sg)	LUBY	NO LOCATION				
0088	050330	16:11:37.03+-0.07	50.199+-0.1		12.465+-0.1	7.4+-0.4	-0.4+-0.2	5	
0089	050331	22:15:40.32 (Pg)	15:41.76 (Sg)	LUBY	NO LOCATION				
0090	050403	13:08:39.63	50.294		12.183		0.1+-0.1	4	
0091	050403	13:53:59.15 (Pg)	54:01.20 (Sg)	LUBY	NO LOCATION				
0092	050403	15:41:10.88	50.320		12.240		-0.2+-0.1	4	
0093	050409	05:07:09.76 (Pg)	07:11.26 (Sg)	LUBY	NO LOCATION				
0094	050411	10:44:01.04 (Pg)	44:02.53 (Sg)	LUBY	NO LOCATION				
0095	050411	11:00:19.24 (Pg)	00:20.48 (Sg)	LUBY	NO LOCATION				
0096	050411	11:00:19.76 (Pg)	00:21.03 (Sg)	LUBY	NO LOCATION				
0097	050421	00:46:33.39 (Pg)	46:34.88 (Sg)	LUBY	NO LOCATION				
0098	050424	16:01:29.88	50.255		12.292		-0.3+-0.1	4	
0099	050424	16:27:37.52 (Pg)	27:39.02 (Sg)	LUBY	NO LOCATION				
0100	050424	16:28:34.05 (Pg)	28:35.56 (Sg)	LUBY	NO LOCATION				
0101	050424	16:28:38.48 (Pg)	28:39.98 (Sg)	LUBY	NO LOCATION				
0102	050424	23:12:16.72 (Pg)	12:18.24 (Sg)	LUBY	NO LOCATION				
0103	050424	23:12:16.83 (Pg)	12:18.35 (Sg)	LUBY	NO LOCATION				
0104	050428	18:45:18.72+-0.10	50.200+-0.4		12.435+-0.4	11.3+-0.5	-0.4+-0.1	4	
0105	050428	18:49:03.53 (Pg)	49:05.24 (Sg)	LUBY	NO LOCATION				
0106	050428	18:49:19.52 (Pg)	49:21.23 (Sg)	LUBY	NO LOCATION				
0107	050429	05:27:22.13 (Pg)	27:23.35 (Sg)	LUBY	NO LOCATION				
0108	050430	05:41:16.56 (Pg)	41:20.74 (Sg)	LUBY	NO LOCATION				
0109	050430	05:41:17.73 (Pg)	41:21.92 (Sg)	LUBY	NO LOCATION				
0110	050430	05:41:18.39 (Pg)	41:22.64 (Sg)	LUBY	NO LOCATION				
0111	050501	01:56:22.67+-0.05	50.235+-0.1		12.459+-0.2	6.0+-0.4	0.1+-0.1	5	

0112	050501	01:56:55.50+-0.04	50.237+-0.1	12.460+-0.1	5.9+-0.3	-0.3+-0.1	5
0113	050501	04:05:25.27(Pg)	05:26.33(Sg)	LUBY	NO LOCATION		
0114	050501	23:09:07.23+-0.05	50.239+-0.1	12.461+-0.1	5.9+-0.4	-0.3+-0.1	5
0115	050501	23:19:01.68(Pg)	19:02.91(Sg)	LUBY	NO LOCATION		
0116	050501	23:19:04.14(Pg)	19:05.36(Sg)	LUBY	NO LOCATION		
0117	050501	23:40:06.27(Pg)	40:07.50(Sg)	LUBY	NO LOCATION		
0118	050504	05:17:03.56(Pg)	17:05.10(Sg)	LUBY	NO LOCATION		
0119	050505	01:35:19.82(Pg)	35:21.59(Sg)	LUBY	NO LOCATION		
0120	050505	01:45:09.80	50.327	12.303		-0.2+-0.1	4
0121	050505	01:52:02.52(Pg)	52:04.31(Sg)	LUBY	NO LOCATION		
0122	050505	01:52:40.41(Pg)	52:42.19(Sg)	LUBY	NO LOCATION		
0123	050505	16:56:57.37(Pg)	56:58.87(Sg)	LUBY	NO LOCATION		
0124	050505	16:57:22.10(Pg)	57:23.60(Sg)	LUBY	NO LOCATION		
0125	050505	16:57:24.26+-0.06	50.216+-0.2	12.449+-0.2	9.2+-0.3	-0.3+-0.2	4
0126	050505	16:59:18.21+-0.06	50.217+-0.2	12.449+-0.2	9.2+-0.3	-0.1+-0.2	4
0127	050505	16:59:21.17(Pg)	59:22.68(Sg)	LUBY	NO LOCATION		
0128	050505	16:59:28.58+-0.13	50.214+-0.4	12.449+-0.4	9.1+-0.6	-0.1+-0.2	4
0129	050505	16:59:40.61(Pg)	59:42.14(Sg)	LUBY	NO LOCATION		
0130	050505	21:56:01.67(Pg)	56:03.19(Sg)	LUBY	NO LOCATION		
0131	050505	21:56:09.04(Pg)	56:10.56(Sg)	LUBY	NO LOCATION		
0132	050508	05:20:35.55	50.438	12.305		-0.0+-0.1	4
0133	050509	21:18:09.43+-0.05	50.324+-0.2	12.452+-0.2	12.6+-0.2	-0.3+-0.1	4
0134	050514	16:37:42.52(Pg)	37:44.03(Sg)	LUBY	NO LOCATION		
0135	050514	16:37:45.29(Pg)	37:46.80(Sg)	LUBY	NO LOCATION		
0136	050514	16:38:41.36(Pg)	38:42.85(Sg)	LUBY	NO LOCATION		
0137	050514	16:38:44.64(Pg)	38:46.15(Sg)	LUBY	NO LOCATION		
0138	050515	08:47:50.08+-0.05	50.234+-0.1	12.453+-0.1	7.6+-0.4	-0.3+-0.1	5
0139	050519	19:14:33.99+-0.04	50.281+-0.1	12.660+-0.1	6.1+-0.1	-0.4+-0.1	4
0140	050524	23:05:59.63+-0.07	50.239+-0.2	12.461+-0.2	5.7+-0.4	-0.0+-0.1	4
0141	050525	17:19:50.41+-0.07	50.215+-0.2	12.448+-0.2	9.1+-0.4	-0.2+-0.1	4
0142	050529	03:53:21.48(Pg)	53:22.99(Sg)	LUBY	NO LOCATION		
0143	050606	08:13:20.37+-0.05	50.129+-0.3	12.361+-0.2	9.3+-0.7	-0.2+-0.1	4
0144	050606	08:13:34.24+-0.05	50.130+-0.3	12.361+-0.3	10.1+-0.7	0.1+-0.1	4
0145	050606	08:14:00.33+-0.06	50.130+-0.3	12.363+-0.3	9.8+-0.8	-0.0+-0.2	4
0146	050611	02:17:26.75(Pg)	17:28.24(Sg)	LUBY	NO LOCATION		
0147	050611	02:26:32.52(Pg)	26:34.01(Sg)	LUBY	NO LOCATION		
0148	050611	02:26:39.63(Pg)	26:41.12(Sg)	LUBY	NO LOCATION		
0149	050611	02:26:40.10(Pg)	26:41.59(Sg)	LUBY	NO LOCATION		
0150	050614	02:09:19.27(Pg)	09:21.31(Sg)	LUBY	NO LOCATION		
0151	050614	22:14:17.80(Pg)	14:19.30(Sg)	LUBY	NO LOCATION		
0152	050614	23:05:28.02(Pg)	05:29.53(Sg)	LUBY	NO LOCATION		
0153	050614	23:14:55.65(Pg)	14:57.15(Sg)	LUBY	NO LOCATION		
0154	050615	00:17:11.04(Pg)	17:12.56(Sg)	LUBY	NO LOCATION		
0155	050615	00:17:13.37(Pg)	17:14.90(Sg)	LUBY	NO LOCATION		
0156	050615	00:19:46.19(Pg)	19:47.71(Sg)	LUBY	NO LOCATION		
0157	050615	00:19:53.49(Pg)	19:54.99(Sg)	LUBY	NO LOCATION		
0158	050615	00:26:04.15(Pg)	26:05.65(Sg)	LUBY	NO LOCATION		
0159	050615	00:26:15.28+-0.07	50.213+-0.2	12.452+-0.3	9.0+-0.4	-0.3+-0.1	4
0160	050615	02:10:37.60(Pg)	10:39.11(Sg)	LUBY	NO LOCATION		
0161	050615	02:10:37.87(Pg)	10:39.38(Sg)	LUBY	NO LOCATION		
0162	050615	02:11:09.26(Pg)	11:10.77(Sg)	LUBY	NO LOCATION		
0163	050615	02:52:46.39+-0.06	50.210+-0.2	12.452+-0.2	8.3+-0.3	-0.0+-0.1	4
0164	050615	02:53:19.76(Pg)	53:21.28(Sg)	LUBY	NO LOCATION		
0165	050615	03:02:44.59(Pg)	02:46.10(Sg)	LUBY	NO LOCATION		
0166	050615	03:10:51.00+-0.04	50.211+-0.1	12.452+-0.1	8.5+-0.2	-0.4+-0.1	4
0167	050615	03:27:43.20(Pg)	27:44.69(Sg)	LUBY	NO LOCATION		
0168	050615	03:27:56.40(Pg)	27:57.90(Sg)	LUBY	NO LOCATION		
0169	050615	03:39:50.54+-0.05	50.213+-0.2	12.453+-0.2	8.6+-0.3	-0.4+-0.1	4
0170	050615	03:40:03.14+-0.08	50.211+-0.3	12.453+-0.3	8.5+-0.4	-0.5+-0.1	4
0171	050615	03:51:15.13(Pg)	51:16.66(Sg)	LUBY	NO LOCATION		

0172	050615	03:53:25.75(Pg)	53:27.27(Sg)	LUBY	NO LOCATION				
0173	050615	03:54:31.05(Pg)	54:32.56(Sg)	LUBY	NO LOCATION				
0174	050615	03:58:43.30(Pg)	58:44.81(Sg)	LUBY	NO LOCATION				
0175	050615	04:23:05.34(Pg)	23:06.85(Sg)	LUBY	NO LOCATION				
0176	050615	04:55:28.79+-0.05	50.213+-0.2		12.453+-0.2	8.4+-0.3	0.0+-0.1	4	
0177	050615	04:56:01.98+-0.07	50.214+-0.2		12.453+-0.2	8.7+-0.3	-0.0+-0.1	4	
0178	050615	04:56:07.26+-0.08	50.212+-0.3		12.452+-0.3	8.8+-0.4	-0.3+-0.1	4	
0179	050615	04:56:13.48+-0.07	50.213+-0.3		12.453+-0.3	8.7+-0.4	-0.3+-0.1	4	
0180	050615	04:58:52.48(Pg)	58:53.98(Sg)	LUBY	NO LOCATION				
0181	050615	05:08:02.61+-0.05	50.210+-0.2		12.453+-0.2	8.4+-0.3	-0.3+-0.1	4	
0182	050615	05:11:12.93+-0.05	50.211+-0.2		12.453+-0.2	8.4+-0.3	0.3+-0.1	4	
0183	050615	06:24:42.43(Pg)	24:43.95(Sg)	LUBY	NO LOCATION				
0184	050615	07:07:22.71+-0.05	50.210+-0.1		12.449+-0.1	8.7+-0.2	-0.4+-0.1	4	
0185	050615	07:07:38.10(Pg)	07:39.60(Sg)	LUBY	NO LOCATION				
0186	050615	07:09:44.30(Pg)	09:45.80(Sg)	LUBY	NO LOCATION				
0187	050615	07:27:05.03(Pg)	27:06.54(Sg)	LUBY	NO LOCATION				
0188	050615	07:27:07.63+-0.05	50.210+-0.2		12.453+-0.2	8.4+-0.3	-0.1+-0.1	4	
0189	050615	07:30:07.78+-0.06	50.210+-0.2		12.453+-0.2	8.6+-0.3	0.3+-0.1	4	
0190	050615	07:37:41.72(Pg)	37:43.21(Sg)	LUBY	NO LOCATION				
0191	050615	07:51:18.80(Pg)	51:20.31(Sg)	LUBY	NO LOCATION				
0192	050615	08:00:04.03+-0.05	50.209+-0.2		12.454+-0.2	8.1+-0.3	0.0+-0.1	4	
0193	050615	08:03:18.38(Pg)	03:19.90(Sg)	LUBY	NO LOCATION				
0194	050615	08:04:33.56(Pg)	04:35.08(Sg)	LUBY	NO LOCATION				
0195	050615	11:13:59.22+-0.06	50.211+-0.2		12.452+-0.2	8.7+-0.3	-0.2+-0.2	4	
0196	050615	11:33:57.76(Pg)	33:59.27(Sg)	LUBY	NO LOCATION				
0197	050615	12:26:35.41(Pg)	26:36.94(Sg)	LUBY	NO LOCATION				
0198	050615	12:30:53.61+-0.04	50.210+-0.1		12.452+-0.1	8.3+-0.2	-0.1+-0.1	4	
0199	050615	12:39:05.28(Pg)	39:06.80(Sg)	LUBY	NO LOCATION				
0200	050615	12:58:56.49(Pg)	58:58.00(Sg)	LUBY	NO LOCATION				
0201	050615	18:38:33.27(Pg)	38:34.80(Sg)	LUBY	NO LOCATION				
0202	050615	18:39:29.83(Pg)	39:31.35(Sg)	LUBY	NO LOCATION				
0203	050615	19:40:41.39(Pg)	40:42.92(Sg)	LUBY	NO LOCATION				
0204	050615	20:35:17.04+-0.05	50.209+-0.2		12.453+-0.2	8.3+-0.3	-0.3+-0.2	4	
0205	050615	20:38:12.68(Pg)	38:14.21(Sg)	LUBY	NO LOCATION				
0206	050615	21:01:31.10+-0.06	50.211+-0.2		12.453+-0.2	8.7+-0.3	-0.4+-0.1	4	
0207	050615	21:01:47.12+-0.04	50.211+-0.1		12.452+-0.1	8.4+-0.2	-0.4+-0.2	4	
0208	050615	21:04:46.46+-0.06	50.214+-0.1		12.454+-0.1	8.8+-0.3	-0.1+-0.1	5	
0209	050615	21:06:37.48(Pg)	06:39.02(Sg)	LUBY	NO LOCATION				
0210	050615	21:08:27.92(Pg)	08:29.45(Sg)	LUBY	NO LOCATION				
0211	050615	21:09:58.95+-0.06	50.215+-0.1		12.455+-0.1	8.4+-0.4	-0.3+-0.1	5	
0212	050615	21:15:54.85(Pg)	15:56.37(Sg)	LUBY	NO LOCATION				
0213	050615	21:23:14.79(Pg)	23:16.32(Sg)	LUBY	NO LOCATION				
0214	050615	21:38:56.31(Pg)	38:57.82(Sg)	LUBY	NO LOCATION				
0215	050615	22:14:56.64+-0.04	50.211+-0.1		12.451+-0.1	8.6+-0.2	-0.2+-0.2	4	
0216	050615	22:18:12.87+-0.04	50.215+-0.1		12.453+-0.1	8.4+-0.2	0.0+-0.2	5	
0217	050615	22:20:37.04(Pg)	20:38.58(Sg)	LUBY	NO LOCATION				
0218	050615	22:25:12.30+-0.05	50.210+-0.2		12.454+-0.2	8.5+-0.3	-0.4+-0.1	4	
0219	050615	22:28:49.80+-0.05	50.212+-0.2		12.453+-0.2	8.7+-0.3	-0.4+-0.1	4	
0220	050615	22:34:03.67+-0.04	50.216+-0.1		12.454+-0.1	8.7+-0.2	0.6+-0.2	5	
0221	050615	22:34:33.49+-0.04	50.215+-0.1		12.454+-0.1	8.7+-0.2	0.0+-0.1	5	
0222	050615	22:36:35.64(Pg)	36:37.17(Sg)	LUBY	NO LOCATION				
0223	050615	22:36:51.72+-0.06	50.209+-0.2		12.453+-0.2	8.6+-0.3	-0.4+-0.1	4	
0224	050615	22:40:04.10+-0.04	50.216+-0.1		12.455+-0.1	8.6+-0.3	0.4+-0.1	5	
0225	050615	22:43:09.85+-0.04	50.216+-0.1		12.454+-0.1	8.7+-0.3	0.4+-0.2	5	
0226	050615	22:45:11.13+-0.06	50.210+-0.2		12.453+-0.2	8.6+-0.3	-0.2+-0.1	4	
0227	050615	22:49:15.36(Pg)	49:16.90(Sg)	LUBY	NO LOCATION				
0228	050615	22:59:45.35+-0.04	50.216+-0.1		12.455+-0.1	8.5+-0.3	0.2+-0.1	5	
0229	050615	23:02:46.06+-0.06	50.212+-0.2		12.453+-0.2	8.6+-0.3	-0.2+-0.1	4	
0230	050615	23:02:51.29+-0.04	50.214+-0.1		12.451+-0.1	8.6+-0.2	0.0+-0.2	5	
0231	050615	23:02:54.87+-0.06	50.216+-0.1		12.454+-0.1	8.6+-0.3	0.2+-0.1	5	

0232	050615	23:03:00.92+-0.06	50.217+-0.1	12.455+-0.1	8.4+-0.4	0.3+-0.1	5
0233	050615	23:03:41.61(Pg) 03:43.14(Sg)	LUBY	NO LOCATION			
0234	050615	23:03:53.30+-0.06	50.215+-0.1	12.454+-0.1	8.5+-0.3	0.1+-0.1	5
0235	050615	23:10:58.31(Pg) 10:59.83(Sg)	LUBY	NO LOCATION			
0236	050615	23:14:45.98+-0.06	50.213+-0.2	12.454+-0.2	8.7+-0.3	-0.1+-0.1	4
0237	050615	23:15:13.71+-0.06	50.215+-0.2	12.453+-0.2	8.9+-0.3	-0.4+-0.1	4
0238	050615	23:15:38.68(Pg) 15:40.19(Sg)	LUBY	NO LOCATION			
0239	050615	23:16:17.91+-0.05	50.211+-0.2	12.454+-0.2	8.7+-0.3	-0.2+-0.1	4
0240	050615	23:16:27.69(Pg) 16:29.19(Sg)	LUBY	NO LOCATION			
0241	050615	23:23:30.47(Pg) 23:31.98(Sg)	LUBY	NO LOCATION			
0242	050615	23:28:39.13+-0.04	50.216+-0.1	12.455+-0.1	8.2+-0.3	0.0+-0.1	5
0243	050615	23:43:24.92(Pg) 43:26.43(Sg)	LUBY	NO LOCATION			
0244	050615	23:44:45.64(Pg) 44:47.14(Sg)	LUBY	NO LOCATION			
0245	050616	00:59:26.30+-0.06	50.215+-0.1	12.455+-0.1	8.8+-0.3	-0.4+-0.1	5
0246	050616	01:05:57.39(Pg) 05:58.89(Sg)	LUBY	NO LOCATION			
0247	050616	03:39:45.97(Pg) 39:47.50(Sg)	LUBY	NO LOCATION			
0248	050616	04:08:07.79(Pg) 08:09.30(Sg)	LUBY	NO LOCATION			
0249	050616	04:09:11.59(Pg) 09:13.09(Sg)	LUBY	NO LOCATION			
0250	050616	08:47:34.69(Pg) 47:36.19(Sg)	LUBY	NO LOCATION			
0251	050616	09:17:41.18(Pg) 17:42.69(Sg)	LUBY	NO LOCATION			
0252	050616	10:02:04.21(Pg) 02:05.71(Sg)	LUBY	NO LOCATION			
0253	050616	13:06:23.66+-0.04	50.209+-0.1	12.451+-0.1	8.3+-0.2	0.6+-0.1	4
0254	050616	13:07:07.71+-0.05	50.212+-0.2	12.453+-0.2	8.5+-0.2	-0.2+-0.1	4
0255	050616	13:07:18.06(Pg) 07:19.57(Sg)	LUBY	NO LOCATION			
0256	050616	13:07:25.85+-0.10	50.211+-0.3	12.453+-0.3	8.9+-0.5	-0.4+-0.1	4
0257	050616	13:08:31.05+-0.06	50.215+-0.2	12.453+-0.2	8.7+-0.3	-0.4+-0.1	4
0258	050616	13:09:38.12+-0.04	50.212+-0.1	12.450+-0.1	8.7+-0.2	-0.3+-0.1	4
0259	050616	13:11:31.85(Pg) 11:33.36(Sg)	LUBY	NO LOCATION			
0260	050616	13:12:49.40(Pg) 12:50.92(Sg)	LUBY	NO LOCATION			
0261	050616	13:17:36.11(Pg) 17:37.61(Sg)	LUBY	NO LOCATION			
0262	050616	13:20:10.08(Pg) 20:11.59(Sg)	LUBY	NO LOCATION			
0263	050616	13:22:26.73+-0.05	50.210+-0.2	12.451+-0.2	8.8+-0.3	-0.3+-0.1	4
0264	050616	13:44:16.98(Pg) 44:18.49(Sg)	LUBY	NO LOCATION			
0265	050616	17:57:10.51(Pg) 57:12.04(Sg)	LUBY	NO LOCATION			
0266	050616	18:08:04.04+-0.06	50.209+-0.2	12.453+-0.2	8.7+-0.3	-0.3+-0.1	4
0267	050616	18:12:15.02+-0.07	50.188+-0.2	12.466+-0.2	7.8+-0.4	1.0+-0.1	5
0268	050616	18:54:40.78(Pg) 54:42.31(Sg)	LUBY	NO LOCATION			
0269	050616	19:05:35.42(Pg) 05:37.09(Sg)	LUBY	NO LOCATION			
0270	050616	22:00:29.13+-0.05	50.216+-0.1	12.453+-0.1	8.9+-0.3	-0.3+-0.2	5
0271	050616	22:00:56.68+-0.04	50.215+-0.1	12.455+-0.1	8.4+-0.2	0.0+-0.1	5
0272	050616	22:03:11.43(Pg) 03:13.01(Sg)	LUBY	NO LOCATION			
0273	050616	22:32:33.66(Pg) 32:35.17(Sg)	LUBY	NO LOCATION			
0274	050616	23:05:22.97+-0.04	50.214+-0.1	12.454+-0.1	8.6+-0.3	-0.5+-0.1	5
0275	050616	23:07:44.56(Pg) 07:46.12(Sg)	LUBY	NO LOCATION			
0276	050616	23:35:45.56(Pg) 35:47.11(Sg)	LUBY	NO LOCATION			
0277	050617	02:14:06.57(Pg) 14:08.09(Sg)	LUBY	NO LOCATION			
0278	050617	07:07:09.07(Pg) 07:10.57(Sg)	LUBY	NO LOCATION			
0279	050617	07:09:35.63+-0.04	50.215+-0.1	12.453+-0.1	8.5+-0.3	0.2+-0.1	5
0280	050617	07:09:39.45+-0.06	50.216+-0.1	12.453+-0.2	8.5+-0.4	0.7+-0.1	5
0281	050617	07:11:35.63+-0.06	50.213+-0.2	12.453+-0.2	8.8+-0.3	-0.3+-0.1	4
0282	050617	07:12:29.25+-0.03	50.212+-0.1	12.451+-0.1	8.8+-0.2	-0.4+-0.2	4
0283	050617	07:12:32.70+-0.05	50.211+-0.2	12.451+-0.2	8.7+-0.2	-0.4+-0.1	4
0284	050617	07:12:56.79(Pg) 12:58.36(Sg)	LUBY	NO LOCATION			
0285	050617	07:16:50.79(Pg) 16:52.30(Sg)	LUBY	NO LOCATION			
0286	050617	07:29:39.70(Pg) 29:41.22(Sg)	LUBY	NO LOCATION			
0287	050617	07:29:52.83+-0.05	50.212+-0.2	12.453+-0.2	8.8+-0.3	-0.4+-0.2	4
0288	050617	07:34:07.91(Pg) 34:09.46(Sg)	LUBY	NO LOCATION			
0289	050617	07:34:20.05+-0.05	50.215+-0.1	12.455+-0.1	8.7+-0.3	0.5+-0.2	5
0290	050617	07:34:30.15+-0.05	50.215+-0.1	12.454+-0.1	8.6+-0.3	0.4+-0.1	5
0291	050617	07:35:34.33(Pg) 35:35.85(Sg)	LUBY	NO LOCATION			

0292	050617	07:41:07.88(Pg)	41:09.39(Sg)	LUBY	NO LOCATION				
0293	050617	07:44:23.47(Pg)	44:24.98(Sg)	LUBY	NO LOCATION				
0294	050617	09:10:57.52(Pg)	10:59.04(Sg)	LUBY	NO LOCATION				
0295	050617	09:10:57.09+-0.05	50.215+-0.1		12.455+-0.1	8.6+-0.3	0.4+-0.1	5	
0296	050617	15:34:16.22+-0.05	50.217+-0.1		12.450+-0.1	8.8+-0.3	0.2+-0.2	5	
0297	050617	20:42:12.01(Pg)	42:13.56(Sg)	LUBY	NO LOCATION				
0298	050618	16:51:13.32(Pg)	51:14.83(Sg)	LUBY	NO LOCATION				
0299	050619	16:55:40.62(Pg)	55:42.14(Sg)	LUBY	NO LOCATION				
0300	050619	23:45:28.39	50.417		12.179		-0.4+-0.1	5	
0301	050621	06:12:34.72(Pg)	12:35.76(Sg)	BERN	NO LOCATION				
0302	050621	06:12:51.59+-0.05	50.208+-0.2		12.471+-0.2	6.7+-0.4	0.3+-0.2	4	
0303	050621	12:53:21.61(Pg)	53:25.68(Sg)	LUBY	NO LOCATION				
0304	050623	03:54:38.53(Pg)	54:40.35(Sg)	LUBY	NO LOCATION				
0305	050626	00:20:46.72(Pg)	20:48.59(Sg)	POCA	NO LOCATION				
0306	050629	01:32:51.82(Pg)	32:53.31(Sg)	LUBY	NO LOCATION				
0307	050701	03:35:32.83+-0.05	50.210+-0.1		12.460+-0.1	7.6+-0.3	-0.2+-0.1	5	
0308	050702	04:35:22.23(Pg)	35:23.91(Sg)	LUBY	NO LOCATION				
0309	050704	16:43:31.22+-0.06	50.214+-0.2		12.450+-0.2	9.0+-0.3	-0.2+-0.1	4	
0310	050704	16:52:57.24(Pg)	52:58.74(Sg)	LUBY	NO LOCATION				
0311	050704	16:57:54.67(Pg)	57:56.18(Sg)	LUBY	NO LOCATION				
0312	050704	22:11:02.28(Pg)	11:03.78(Sg)	LUBY	NO LOCATION				
0313	050704	22:17:11.72+-0.06	50.217+-0.1		12.450+-0.1	9.0+-0.3	-0.1+-0.1	5	
0314	050705	07:47:06.99	50.451		12.194		0.1+-0.2	4	
0315	050705	12:56:41.84(Pg)	56:44.24(Sg)	LUBY	NO LOCATION				
0316	050706	16:09:26.16+-0.07	50.208+-0.2		12.434+-0.2	11.1+-0.4	0.4+-0.2	5	
0317	050706	16:10:55.34+-0.09	50.201+-0.3		12.433+-0.3	10.9+-0.4	-0.1+-0.2	4	
0318	050706	16:33:29.19+-0.11	50.209+-0.2		12.435+-0.3	11.1+-0.6	0.3+-0.1	4	
0319	050706	16:40:27.28+-0.06	50.201+-0.2		12.432+-0.2	11.2+-0.3	0.0+-0.2	4	
0320	050706	16:40:43.59(Pg)	40:45.25(Sg)	LUBY	NO LOCATION				
0321	050708	03:06:25.57(Pg)	06:26.78(Sg)	LUBY	NO LOCATION				
0322	050709	05:43:11.16(Pg)	43:12.29(Sg)	LUBY	NO LOCATION				
0323	050710	05:08:06.15	50.457		12.199		-0.2+-0.1	4	
0324	050711	17:22:31.12(Pg)	22:32.32(Sg)	LUBY	NO LOCATION				
0325	050713	15:53:21.17(Pg)	53:25.11(Sg)	LUBY	NO LOCATION				
0326	050713	18:29:12.27(Pg)	29:16.50(Sg)	BERN	NO LOCATION				
0327	050715	09:33:56.92(Pg)	33:58.36(Sg)	LUBY	NO LOCATION				
0328	050719	02:51:12.38(Pg)	51:13.71(Sg)	LUBY	NO LOCATION				
0329	050722	02:19:23.99+-0.06	50.144+-0.2		12.343+-0.2	11.5+-0.3	0.0+-0.1	5	
0330	050722	09:13:08.56+-0.06	50.147+-0.2		12.349+-0.3	11.2+-0.4	0.5+-0.1	5	
0331	050724	04:13:30.64(Pg)	13:32.21(Sg)	LUBY	NO LOCATION				
0332	050725	16:17:23.58(Pg)	17:24.90(Sg)	POCA	NO LOCATION				
0333	050728	01:40:18.83	50.698		12.382		0.3+-0.1	4	
0334	050728	01:43:46.34	50.694		12.365		0.4+-0.1	4	
0335	050730	09:50:37.24	50.448		12.139		0.5+-0.1	4	
0336	050730	17:43:38.78(Pg)	43:40.47(Sg)	LUBY	NO LOCATION				
0337	050730	17:45:49.15(Pg)	45:50.83(Sg)	LUBY	NO LOCATION				
0338	050730	18:32:53.83(Pg)	32:55.53(Sg)	LUBY	NO LOCATION				
0339	050730	19:20:01.38+-0.14	50.200+-0.2		12.440+-0.2	11.2+-0.7	-0.4+-0.1	5	
0340	050731	03:51:23.57(Pg)	51:25.27(Sg)	LUBY	NO LOCATION				
0341	050801	05:06:27.65(Pg)	06:30.96(Sg)	POCA	NO LOCATION				
0342	050803	10:05:21.43(Pg)	05:22.94(Sg)	LUBY	NO LOCATION				
0343	050803	10:05:24.30(Pg)	05:25.81(Sg)	LUBY	NO LOCATION				
0344	050808	23:19:27.72+-0.07	50.295+-0.2		12.575+-0.2	10.4+-0.3	-0.4+-0.1	4	
0345	050808	23:19:34.27(Pg)	19:36.49(Sg)	LUBY	NO LOCATION				
0346	050808	23:43:20.56(Pg)	43:22.76(Sg)	LUBY	NO LOCATION				
0347	050815	21:13:21.05	49.744		12.450		0.4+-0.1	5	
0348	050818	02:43:25.19(Pg)	43:26.45(Sg)	BERN	NO LOCATION				
0349	050819	23:58:40.02	50.450		12.199		0.0+-0.1	4	
0350	050821	08:36:06.13(Pg)	36:08.09(Sg)	JIND	NO LOCATION				
0351	050822	03:10:55.80(Pg)	10:57.39(Sg)	LUBY	NO LOCATION				

0352	050822	03:16:36.77(Pg)	16:38.35(Sg)	LUBY	NO LOCATION				
0353	050823	00:24:59.18+-0.07	50.203+-0.2		12.462+-0.2	7.6+-0.5	-0.1+-0.1	5	
0354	050830	07:01:00.70+-0.04	50.202+-0.1		12.471+-0.1	7.0+-0.3	0.1+-0.1	4	
0355	050830	07:01:11.08+-0.05	50.201+-0.2		12.467+-0.2	7.0+-0.4	-0.4+-0.1	4	
0356	050902	01:36:41.06(Pg)	36:45.54(Sg)	BERN	NO LOCATION				
0357	050902	06:04:43.19(Pg)	04:44.34(Sg)	LUBY	NO LOCATION				
0358	050912	03:07:17.39(Pg)	07:18.55(Sg)	LUBY	NO LOCATION				
0359	050912	03:07:25.00(Pg)	07:26.16(Sg)	LUBY	NO LOCATION				
0360	050912	04:29:39.36+-0.07	50.242+-0.2		12.460+-0.2	5.9+-0.5	-0.2+-0.1	4	
0361	050917	03:13:19.70(Pg)	13:20.87(Sg)	LUBY	NO LOCATION				
0362	050917	20:12:30.98(Pg)	12:32.22(Sg)	LUBY	NO LOCATION				
0363	050922	15:02:04.87(Pg)	02:06.06(Sg)	LUBY	NO LOCATION				
0364	050922	15:57:23.51(Pg)	57:25.01(Sg)	LUBY	NO LOCATION				
0365	050924	04:49:44.57+-0.06	50.200+-0.2		12.437+-0.2	10.7+-0.3	0.2+-0.1	4	
0366	050924	04:52:01.05(Pg)	52:02.74(Sg)	LUBY	NO LOCATION				
0367	050924	04:53:38.59+-0.06	50.199+-0.2		12.437+-0.2	10.6+-0.3	0.1+-0.2	4	
0368	050924	05:08:01.69(Pg)	08:03.37(Sg)	LUBY	NO LOCATION				
0369	050924	05:13:01.71(Pg)	13:03.39(Sg)	LUBY	NO LOCATION				
0370	050924	07:36:26.22	50.600		12.665		0.0+-0.1	4	
0371	050924	20:04:53.12+-0.06	50.211+-0.1		12.467+-0.1	6.6+-0.4	-0.2+-0.1	5	
0372	050925	10:09:04.55(Pg)	09:06.01(Sg)	LUBY	NO LOCATION				
0373	050927	15:38:16.46+-0.04	50.248+-0.1		12.452+-0.1	6.5+-0.3	0.5+-0.2	5	
0374	050927	15:38:35.07(Pg)	38:36.26(Sg)	LUBY	NO LOCATION				
0375	050927	15:39:12.36+-0.06	50.245+-0.2		12.451+-0.2	6.7+-0.4	0.2+-0.2	4	
0376	050927	15:39:21.20(Pg)	39:22.39(Sg)	LUBY	NO LOCATION				
0377	050927	15:43:15.54+-0.06	50.245+-0.2		12.451+-0.2	6.7+-0.3	-0.1+-0.2	4	
0378	050928	00:10:56.53(Pg)	10:58.00(Sg)	LUBY	NO LOCATION				
0379	050928	00:17:37.92+-0.07	50.212+-0.3		12.451+-0.2	9.0+-0.3	-0.2+-0.1	4	
0380	050928	00:21:21.70(Pg)	21:23.20(Sg)	LUBY	NO LOCATION				
0381	050928	00:21:24.88+-0.07	50.213+-0.2		12.451+-0.2	9.0+-0.3	-0.3+-0.1	4	
0382	051003	21:47:12.45(Pg)	47:13.95(Sg)	LUBY	NO LOCATION				
0383	051003	23:58:03.34	50.049		12.629		-0.2+-0.1	4	
0384	051004	18:31:54.05+-0.05	50.144+-0.1		12.347+-0.2	11.6+-0.3	0.4+-0.1	5	
0385	051004	18:34:27.87+-0.05	50.143+-0.1		12.347+-0.2	11.7+-0.3	0.9+-0.2	5	
0386	051005	09:53:32.95(Pg)	53:34.19(Sg)	LUBY	NO LOCATION				
0387	051005	12:35:33.85+-0.08	50.185+-0.2		12.469+-0.2	7.9+-0.4	0.1+-0.2	5	
0388	051006	19:34:07.40+-0.07	50.311+-0.2		12.433+-0.2	9.1+-0.3	-0.3+-0.1	4	
0389	051006	21:56:09.83+-0.08	50.185+-0.2		12.469+-0.2	8.2+-0.5	-0.4+-0.1	5	
0390	051007	03:31:07.15(Pg)	31:08.43(Sg)	POCA	NO LOCATION				
0391	051007	17:36:01.15(Pg)	36:02.77(Sg)	BERN	NO LOCATION				
0392	051009	02:29:04.97(Pg)	29:06.48(Sg)	LUBY	NO LOCATION				
0393	051009	02:39:02.86+-0.05	50.263+-0.2		12.333+-0.2	11.8+-0.2	0.2+-0.1	5	
0394	051009	02:39:55.38+-0.05	50.263+-0.2		12.333+-0.2	11.8+-0.2	-0.0+-0.1	5	
0395	051009	02:40:57.72(Pg)	40:59.23(Sg)	LUBY	NO LOCATION				
0396	051009	20:05:04.82(Pg)	05:06.60(Sg)	LUBY	NO LOCATION				
0397	051010	03:28:13.62(Pg)	28:14.91(Sg)	BERN	NO LOCATION				
0398	051010	03:46:33.24(Pg)	46:34.99(Sg)	JIND	NO LOCATION				
0399	051010	07:37:12.71+-0.05	50.236+-0.1		12.457+-0.1	8.4+-0.3	0.5+-0.1	5	
0400	051010	07:37:43.33(Pg)	37:44.98(Sg)	POCA	NO LOCATION				
0401	051010	07:38:07.63(Pg)	38:09.26(Sg)	POCA	NO LOCATION				
0402	051010	07:49:02.73+-0.06	50.232+-0.2		12.455+-0.2	8.6+-0.3	-0.2+-0.2	4	
0403	051010	12:25:03.60+-0.05	50.232+-0.2		12.455+-0.2	8.4+-0.3	0.0+-0.2	4	
0404	051010	12:26:21.84+-0.06	50.234+-0.1		12.456+-0.1	8.6+-0.3	0.3+-0.2	5	
0405	051010	16:49:02.74+-0.07	50.232+-0.2		12.454+-0.2	8.6+-0.4	-0.3+-0.2	4	
0406	051011	09:18:22.36+-0.08	50.310+-0.2		12.433+-0.2	9.2+-0.4	-0.4+-0.1	4	
0407	051011	13:59:11.95(Pg)	59:13.44(Sg)	LUBY	NO LOCATION				
0408	051012	00:18:22.70(Pg)	18:24.07(Sg)	LUBY	NO LOCATION				
0409	051012	01:14:06.38+-0.05	50.237+-0.1		12.455+-0.1	8.0+-0.3	0.3+-0.1	5	
0410	051012	09:08:13.44(Pg)	08:15.54(Sg)	JIND	NO LOCATION				
0411	051012	12:56:52.12(Pg)	56:53.87(Sg)	JIND	NO LOCATION				

0412	051012	13:01:02.72(Pg)	01:04.47(Sg)	JIND	NO LOCATION				
0413	051012	22:04:13.27(Pg)	04:15.02(Sg)	JIND	NO LOCATION				
0414	051012	22:09:02.27(Pg)	09:03.65(Sg)	LUBY	NO LOCATION				
0415	051012	23:06:45.79(Pg)	06:47.27(Sg)	LUBY	NO LOCATION				
0416	051013	00:14:54.04(Pg)	14:55.47(Sg)	LUBY	NO LOCATION				
0417	051013	00:37:22.72(Pg)	37:24.48(Sg)	JIND	NO LOCATION				
0418	051013	18:09:43.19+-0.06	50.232+-0.2		12.454+-0.2	8.3+-0.3	-0.4+-0.1	4	
0419	051013	18:11:21.46+-0.05	50.237+-0.1		12.455+-0.1	8.1+-0.3	0.4+-0.1	5	
0420	051013	21:33:27.98+-0.06	50.312+-0.2		12.434+-0.1	9.0+-0.3	0.1+-0.1	5	
0421	051013	23:34:29.39(Pg)	34:30.84(Sg)	LUBY	NO LOCATION				
0422	051014	20:11:20.70(Pg)	11:22.33(Sg)	POCA	NO LOCATION				
0423	051015	12:49:06.22+-0.06	50.233+-0.2		12.454+-0.2	8.3+-0.3	-0.0+-0.1	4	
0424	051015	19:43:40.12+-0.04	50.233+-0.1		12.456+-0.1	8.2+-0.2	-0.4+-0.1	4	
0425	051015	23:23:10.59+-0.06	50.233+-0.2		12.455+-0.2	8.3+-0.3	-0.1+-0.1	4	
0426	051016	14:54:41.32+-0.10	50.720		12.317		0.0+-0.1	4	
0427	051016	15:31:57.44(Pg)	31:58.73(Sg)	POCA	NO LOCATION				
0428	051017	13:08:52.25(Pg)	08:53.86(Sg)	BERN	NO LOCATION				
0429	051017	13:37:53.73(Pg)	37:55.40(Sg)	BERN	NO LOCATION				
0430	051017	14:53:55.50+-0.07	50.215+-0.2		12.451+-0.2	9.0+-0.3	0.0+-0.1	4	
0431	051017	15:11:59.06+-0.06	50.232+-0.2		12.455+-0.2	8.3+-0.3	0.3+-0.1	4	
0432	051017	16:40:08.30(Pg)	40:09.96(Sg)	BERN	NO LOCATION				
0433	051017	19:07:41.22(Pg)	07:42.61(Sg)	LUBY	NO LOCATION				
0434	051017	20:44:40.23(Pg)	44:41.61(Sg)	LUBY	NO LOCATION				
0435	051020	08:40:44.80(Pg)	40:46.20(Sg)	LUBY	NO LOCATION				
0436	051020	22:55:59.10(Pg)	56:00.50(Sg)	POCA	NO LOCATION				
0437	051020	22:56:48.01(Pg)	56:49.42(Sg)	POCA	NO LOCATION				
0438	051021	02:49:46.00(Pg)	49:47.39(Sg)	LUBY	NO LOCATION				
0439	051021	04:59:37.92+-0.07	50.213+-0.3		12.458+-0.2	7.4+-0.4	-0.3+-0.1	4	
0440	051022	09:40:15.07+-0.07	50.309+-0.2		12.432+-0.2	9.1+-0.3	-0.1+-0.1	4	
0441	051022	16:18:29.87	50.411		12.332		0.8+-0.2	5	
0442	051023	16:08:00.39(Pg)	08:01.76(Sg)	LUBY	NO LOCATION				
0443	051024	15:28:53.77+-0.06	50.232+-0.2		12.454+-0.2	8.4+-0.3	0.1+-0.1	4	
0444	051024	20:40:24.97(Pg)	40:26.44(Sg)	LUBY	NO LOCATION				
0445	051024	20:43:05.33+-0.07	50.311+-0.2		12.434+-0.2	8.4+-0.3	-0.4+-0.1	4	
0446	051024	20:47:07.38+-0.10	50.342+-0.5		12.423+-0.3	5.9+-0.4	-0.2+-0.1	4	
0447	051024	21:02:20.93(Pg)	02:22.40(Sg)	LUBY	NO LOCATION				
0448	051025	10:17:36.40(Pg)	17:37.72(Sg)	LUBY	NO LOCATION				
0449	051026	07:25:56.60+-0.07	50.308+-0.2		12.433+-0.2	8.9+-0.4	-0.3+-0.1	4	
0450	051026	20:25:46.02+-0.05	50.310+-0.2		12.434+-0.1	9.1+-0.3	0.1+-0.1	4	
0451	051026	21:06:23.86(Pg)	06:25.21(Sg)	LUBY	NO LOCATION				
0452	051028	13:30:56.11	50.005		12.154		0.8+-0.1	5	
0453	051029	00:56:22.27(Pg)	56:23.71(Sg)	LUBY	NO LOCATION				
0454	051029	01:36:42.35(Pg)	36:43.81(Sg)	LUBY	NO LOCATION				
0455	051029	08:39:47.09+-0.06	50.236+-0.1		12.457+-0.2	8.2+-0.4	0.2+-0.1	5	
0456	051029	15:24:25.84(Pg)	24:27.54(Sg)	LUBY	NO LOCATION				
0457	051030	21:39:31.99(Pg)	39:33.40(Sg)	LUBY	NO LOCATION				
0458	051030	21:40:04.41+-0.06	50.233+-0.2		12.455+-0.2	8.2+-0.3	0.1+-0.1	4	
0459	051102	17:24:58.20+-0.06	50.233+-0.2		12.455+-0.2	8.3+-0.3	-0.3+-0.1	4	
0460	051102	19:23:31.15(Pg)	23:32.64(Sg)	LUBY	NO LOCATION				
0461	051105	21:33:02.68(Pg)	33:04.46(Sg)	LUBY	NO LOCATION				
0462	051105	21:33:35.42(Pg)	33:37.20(Sg)	LUBY	NO LOCATION				
0463	051105	21:34:35.27(Pg)	34:37.04(Sg)	LUBY	NO LOCATION				
0464	051105	21:38:53.79+-0.05	50.192+-0.1		12.327+-0.2	11.7+-0.3	0.3+-0.1	5	
0465	051106	03:02:48.16+-0.07	50.231+-0.1		12.454+-0.2	8.5+-0.4	-0.0+-0.3	5	
0466	051106	03:03:29.26+-0.07	50.236+-0.1		12.456+-0.2	8.2+-0.4	-0.0+-0.2	5	
0467	051106	03:05:26.01(Pg)	05:27.64(Sg)	POCA	NO LOCATION				
0468	051106	03:07:27.03(Pg)	07:28.73(Sg)	POCA	NO LOCATION				
0469	051108	01:33:57.61(Pg)	33:58.91(Sg)	POCA	NO LOCATION				
0470	051108	03:01:27.07+-0.04	50.232+-0.1		12.455+-0.1	8.3+-0.2	-0.2+-0.1	4	
0471	051109	07:52:06.75(Pg)	52:08.92(Sg)	JIND	NO LOCATION				

0472	051109	15:55:43.43		49.760	12.398			0.4+-0.1	4
0473	051110	05:32:32.76(Pg)	32:34.04(Sg)	POCA	NO LOCATION				
0474	051110	10:09:36.53+-0.09		50.315+-0.3	12.436+-0.2	8.5+-0.4		0.5+-0.1	5
0475	051110	20:16:00.58+-0.08		50.312+-0.3	12.432+-0.2	9.3+-0.4		-0.2+-0.2	4
0476	051112	03:08:26.03(Pg)	08:27.48(Sg)	LUBY	NO LOCATION				
0477	051112	23:28:30.71+-0.05		50.310+-0.2	12.433+-0.1	9.1+-0.2		-0.3+-0.2	4
0478	051114	00:36:58.76(Pg)	37:00.85(Sg)	BERN	NO LOCATION				
0479	051115	00:25:40.83		50.467	12.103			0.4+-0.1	5
0480	051115	06:26:58.71(Pg)	27:00.16(Sg)	POCA	NO LOCATION				
0481	051115	17:51:32.78+-0.03		50.361+-0.1	12.441+-0.1	11.7+-0.2		-0.2+-0.2	4
0482	051115	18:00:11.68(Pg)	00:13.80(Sg)	LUBY	NO LOCATION				
0483	051115	18:01:07.16(Pg)	01:09.28(Sg)	LUBY	NO LOCATION				
0484	051116	07:29:20.61(Pg)	29:21.57(Sg)	BERN	NO LOCATION				
0485	051118	17:04:58.24(Pg)	04:59.64(Sg)	LUBY	NO LOCATION				
0486	051119	13:08:36.79+-0.07		50.232+-0.2	12.455+-0.2	8.4+-0.3		-0.3+-0.1	4
0487	051121	21:44:31.14(Pg)	44:32.53(Sg)	LUBY	NO LOCATION				
0488	051125	22:41:45.68(Pg)	41:47.20(Sg)	LUBY	NO LOCATION				
0489	051126	08:23:13.42(Pg)	23:14.82(Sg)	LUBY	NO LOCATION				
0490	051203	14:21:59.71(Pg)	22:01.59(Sg)	JIND	NO LOCATION				
0491	051203	14:22:01.26(Pg)	22:03.18(Sg)	JIND	NO LOCATION				
0492	051205	21:40:06.53+-0.06		50.215+-0.2	12.450+-0.2	9.1+-0.3		0.4+-0.2	4
0493	051205	21:44:54.43(Pg)	44:55.93(Sg)	LUBY	NO LOCATION				
0494	051206	15:01:47.59		50.454	12.143			0.1+-0.1	4
0495	051207	23:04:13.79(Pg)	04:15.21(Sg)	LUBY	NO LOCATION				
0496	051208	19:08:14.56(Pg)	08:16.05(Sg)	LUBY	NO LOCATION				
0497	051210	15:03:57.14+-0.06		50.237+-0.1	12.455+-0.1	8.3+-0.4		1.1+-0.2	5
0498	051210	15:04:13.90+-0.05		50.237+-0.1	12.455+-0.1	8.3+-0.3		0.8+-0.2	5
0499	051210	15:04:26.86+-0.06		50.236+-0.1	12.455+-0.1	8.3+-0.4		0.9+-0.2	5
0500	051210	15:05:11.40+-0.10		50.232+-0.3	12.454+-0.3	8.5+-0.5		-0.4+-0.2	4
0501	051210	15:18:55.48(Pg)	18:56.87(Sg)	LUBY	NO LOCATION				
0502	051210	15:26:04.76(Pg)	26:06.39(Sg)	POCA	NO LOCATION				
0503	051210	15:32:56.03+-0.06		50.236+-0.1	12.455+-0.1	8.3+-0.4		0.8+-0.2	5
0504	051210	15:35:53.84+-0.05		50.237+-0.1	12.456+-0.1	8.2+-0.4		-0.0+-0.2	5
0505	051210	15:36:48.11+-0.05		50.236+-0.1	12.456+-0.1	8.3+-0.3		-0.1+-0.2	5
0506	051210	15:36:49.35+-0.07		50.236+-0.1	12.457+-0.2	8.1+-0.4		-0.2+-0.2	5
0507	051210	15:39:46.15(Pg)	39:47.53(Sg)	LUBY	NO LOCATION				
0508	051210	15:46:03.84+-0.06		50.236+-0.1	12.456+-0.2	8.2+-0.4		0.9+-0.2	5
0509	051210	15:58:12.16+-0.06		50.235+-0.1	12.455+-0.2	8.3+-0.4		-0.1+-0.2	5
0510	051210	15:58:52.75+-0.08		50.232+-0.2	12.455+-0.3	8.5+-0.4		-0.2+-0.2	4
0511	051210	16:29:57.47+-0.06		50.236+-0.1	12.455+-0.1	8.0+-0.4		0.0+-0.2	5
0512	051210	16:30:16.64(Pg)	30:18.39(Sg)	JIND	NO LOCATION				
0513	051210	17:10:35.78(Pg)	10:37.52(Sg)	JIND	NO LOCATION				
0514	051210	20:17:46.05+-0.06		50.232+-0.2	12.455+-0.2	8.6+-0.3		-0.2+-0.2	4
0515	051210	20:18:08.13(Pg)	18:09.55(Sg)	LUBY	NO LOCATION				
0516	051210	20:24:58.17+-0.05		50.235+-0.1	12.456+-0.1	8.3+-0.3		0.2+-0.2	5
0517	051210	22:05:53.89(Pg)	05:55.28(Sg)	POCA	NO LOCATION				
0518	051211	07:47:42.55+-0.06		50.232+-0.2	12.457+-0.2	8.3+-0.3		-0.5+-0.2	4
0519	051211	11:52:26.11(Pg)	52:27.88(Sg)	JIND	NO LOCATION				
0520	051211	14:57:42.45+-0.07		50.232+-0.2	12.455+-0.2	8.7+-0.4		-0.4+-0.2	4
0521	051211	18:48:27.13(Pg)	48:29.00(Sg)	JIND	NO LOCATION				
0522	051214	09:48:47.75(Pg)	48:49.24(Sg)	LUBY	NO LOCATION				
0523	051215	03:11:55.49(Pg)	11:56.72(Sg)	LUBY	NO LOCATION				
0524	051216	02:26:14.96(Pg)	26:16.76(Sg)	LUBY	NO LOCATION				
0525	051218	07:02:55.41(Pg)	02:57.65(Sg)	LUBY	NO LOCATION				
0526	051218	07:16:25.89(Pg)	16:28.15(Sg)	LUBY	NO LOCATION				
0527	051219	10:15:44.55(Pg)	15:46.06(Sg)	LUBY	NO LOCATION				
0528	051220	08:51:54.94(Pg)	51:56.33(Sg)	LUBY	NO LOCATION				
0529	051220	08:56:55.72(Pg)	56:57.10(Sg)	LUBY	NO LOCATION				
0530	051220	22:36:30.42(Pg)	36:31.70(Sg)	POCA	NO LOCATION				
0531	051221	15:20:41.96(Pg)	20:43.36(Sg)	LUBY	NO LOCATION				

0532	051221	15:53:24.30+-0.05	50.234+-0.1	12.452+-0.2	7.6+-0.3	0.5+-0.1	4
0533	051221	15:55:35.15+-0.06	50.235+-0.1	12.450+-0.2	8.0+-0.4	-0.3+-0.2	4
0534	051221	15:56:49.00+-0.06	50.234+-0.1	12.450+-0.2	7.7+-0.4	0.0+-0.1	4
0535	051221	15:58:20.25(Pg) 58:21.67(Sg)	LUBY	NO LOCATION			
0536	051221	15:59:38.66+-0.05	50.234+-0.1	12.450+-0.1	7.7+-0.3	1.0+-0.1	4
0537	051221	15:59:45.96+-0.06	50.235+-0.1	12.452+-0.2	8.1+-0.4	0.3+-0.1	4
0538	051221	16:02:39.39(Pg) 02:40.72(Sg)	POCA	NO LOCATION			
0539	051221	16:06:08.09(Pg) 06:09.39(Sg)	BERN	NO LOCATION			
0540	051221	16:13:19.40+-0.06	50.234+-0.1	12.455+-0.2	6.6+-0.4	0.2+-0.1	4
0541	051221	16:15:33.88+-0.05	50.233+-0.1	12.451+-0.1	7.7+-0.3	-0.0+-0.1	4
0542	051221	16:33:53.94(Pg) 33:54.99(Sg)	BERN	NO LOCATION			
0543	051221	17:19:53.26(Pg) 19:54.94(Sg)	LUBY	NO LOCATION			
0544	051221	17:51:47.45+-0.05	50.234+-0.1	12.454+-0.2	6.4+-0.4	0.2+-0.1	4
0545	051222	07:08:18.25(Pg) 08:22.68(Sg)	POCA	NO LOCATION			
0546	051222	08:17:21.03(Pg) 17:25.44(Sg)	POCA	NO LOCATION			
0547	051223	19:36:47.18	50.424	12.309		0.6+-0.1	4
0548	051224	09:46:21.21(Pg) 46:22.63(Sg)	LUBY	NO LOCATION			
0549	051224	17:37:51.62(Pg) 37:53.13(Sg)	LUBY	NO LOCATION			
0550	051226	09:31:33.51	50.050	12.651		0.2+-0.1	4
0551	051226	23:02:16.08(Pg) 02:17.42(Sg)	LUBY	NO LOCATION			
0552	051227	14:58:58.08(Pg) 58:59.52(Sg)	LUBY	NO LOCATION			
0553	051227	15:40:07.55+-0.10	50.314+-0.3	12.438+-0.3	9.1+-0.5	-0.0+-0.1	4
0554	051228	09:12:39.51(Pg) 12:41.28(Sg)	POCA	NO LOCATION			
0555	051228	14:06:24.58(Pg) 06:26.63(Sg)	LUBY	NO LOCATION			
0556	051228	16:51:45.35(Pg) 51:46.64(Sg)	POCA	NO LOCATION			
0557	051228	23:58:20.27(Pg) 58:22.02(Sg)	POCA	NO LOCATION			
0558	051229	00:00:54.72(Pg) 00:56.16(Sg)	LUBY	NO LOCATION			
0559	051231	17:18:22.53(Pg) 18:24.03(Sg)	LUBY	NO LOCATION			
0560	051231	17:21:01.19+-0.04	50.218+-0.1	12.445+-0.1	8.8+-0.2	-0.1+-0.1	4
0561	051231	17:23:44.81(Pg) 23:46.30(Sg)	LUBY	NO LOCATION			
0562	051231	17:25:07.28(Pg) 25:08.78(Sg)	LUBY	NO LOCATION			
0563	051231	17:37:11.95(Pg) 37:13.45(Sg)	LUBY	NO LOCATION			
0564	051231	18:47:18.72(Pg) 47:20.23(Sg)	LUBY	NO LOCATION			
0565	051231	18:48:40.23(Pg) 48:41.72(Sg)	LUBY	NO LOCATION			
0566	051231	18:49:34.97+-0.04	50.219+-0.1	12.445+-0.1	8.8+-0.2	-0.3+-0.1	4
0567	051231	18:51:18.12(Pg) 51:19.63(Sg)	LUBY	NO LOCATION			
0568	051231	19:29:46.60(Pg) 29:48.10(Sg)	LUBY	NO LOCATION			
0569	051231	19:41:55.54+-0.05	50.217+-0.1	12.445+-0.2	8.8+-0.3	-0.3+-0.1	4
0570	051231	19:42:16.88+-0.03	50.217+-0.0	12.445+-0.1	8.8+-0.2	-0.4+-0.1	4
0571	051231	19:43:25.87(Pg) 43:27.38(Sg)	LUBY	NO LOCATION			
0572	051231	20:13:31.13+-0.04	50.219+-0.1	12.445+-0.1	8.8+-0.3	-0.1+-0.1	4
0573	051231	20:14:30.25+-0.05	50.218+-0.1	12.444+-0.2	8.9+-0.3	-0.4+-0.1	4
0574	051231	20:23:27.77(Pg) 23:29.27(Sg)	LUBY	NO LOCATION			
0575	051231	20:40:06.26(Pg) 40:07.76(Sg)	LUBY	NO LOCATION			
0576	051231	20:42:48.19+-0.05	50.218+-0.1	12.445+-0.2	8.7+-0.3	-0.1+-0.1	4
0577	051231	20:58:19.21+-0.05	50.217+-0.1	12.445+-0.2	8.6+-0.3	-0.0+-0.1	4
0578	051231	21:40:48.05(Pg) 40:49.54(Sg)	LUBY	NO LOCATION			
0579	051231	21:53:39.65(Pg) 53:41.15(Sg)	LUBY	NO LOCATION			
0580	051231	22:01:11.96(Pg) 01:13.46(Sg)	LUBY	NO LOCATION			